

TABLE 1: Comparison of Mass Chain Yields–Part 1

mass	th227t	th229t	pa231f	pa231h	th232f	th232h	th232s
4	—	—	—	—	—	7.18E-02	—
53	—	—	—	—	—	2.40E-13	—
54	—	—	—	—	—	1.50E-12	—
55	—	—	—	—	—	8.88E-12	—
56	—	—	—	—	—	5.01E-11	—
57	—	—	—	—	—	2.68E-10	—
58	—	—	—	—	—	1.37E-09	—
59	—	—	7.27E-13	—	—	6.63E-09	—
60	4.39E-13	—	5.16E-12	—	—	3.06E-08	2.76E-13
61	5.55E-12	—	3.42E-11	—	3.60E-13	1.34E-07	1.84E-12
62	6.31E-11	—	2.13E-10	—	3.31E-12	5.58E-07	1.14E-11
63	6.45E-10	3.64E-13	1.24E-09	—	2.81E-11	2.21E-06	6.65E-11
64	5.94E-09	4.00E-12	6.75E-09	—	2.20E-10	8.32E-06	3.63E-10
65	4.92E-08	3.95E-11	3.44E-08	—	1.59E-09	2.98E-05	1.85E-09
66	0.85-3.67E-07	0.04-3.02E-08	0.02-9.85E-05	—	0.01-1.13E-06	1.01-1.29E-04	8.83E-09
67	0.22-2.47E-06	0.28-7.18E-08	7.32E-07-1.77E-04	—	0.07-3.90E-06	1.80-2.24E-04	3.95E-08
68	0.08-1.49E-05	0.20-2.71E-07	0.03-3.45E-04	—	0.04-1.43E-05	3.91-7.60E-04	1.65E-07
69	0.23-8.10E-05	0.13-1.15E-06	0.12-6.89E-04	—	0.19-3.30E-05	0.81-1.51E-03	6.46E-07
70	0.05-3.97E-04	0.77-3.64E-06	0.04-1.28E-03	—	0.94-6.54E-05	1.59-2.78E-03	2.37E-06
71	0.01-1.75E-03	0.40-1.56E-05	0.15-2.46E-03	—	0.42-1.66E-04	2.98-5.30E-03	8.13E-06
72	0.06-6.93E-03	1.90-7.18E-05	0.48-4.43E-03	—	1.72-4.14E-04	5.30-7.87E-03	2.61E-05
73	9.37E-05-2.47E-02	0.81-2.60E-04	1.45-8.90E-03	—	4.51-6.21E-04	1.10-1.63E-02	7.84E-05
74	0.03-7.94E-02	0.31-1.04E-03	0.41-1.67E-02	—	1.13-1.15E-03	2.17-3.02E-02	2.21E-04
75	7.84E-04-2.30E-01	1.06-3.38E-03	1.07-3.15E-02	—	2.60-2.83E-03	4.08-5.30E-02	5.81E-04
76	0.02-5.98E-01	0.33-1.20E-02	2.64-5.91E-02	—	5.54-6.74E-03	7.29-9.06E-02	1.43E-03
77	0.01-1.40E+00	0.92-4.21E-02	6.07-9.89E-02	—	1.09-1.18E-02	1.24-1.31E-01	3.30E-03
78	0.04-2.68E+00	2.03-2.56E-01	1.31-1.97E-01	—	3.11-3.53E-02	2.49-2.95E-01	7.13E-03
79	0.64-4.63E+00	4.23-4.30E-01	2.65-3.97E-01	—	7.69-8.22E-02	4.14-9.03E-01	1.44E-02
80	1.88-7.18E+00	1.64-2.78E+00	5.00-6.89E-01	—	1.94-2.00E-01	0.69-1.33E+00	2.72E-02
81	0.35-1.00E+01	2.30-3.41E+00	8.85-9.89E-01	—	4.49-4.70E-01	1.06-1.86E+00	4.82E-02
82	0.49-1.26E+01	3.46-4.20E+00	1.47-1.69E+00	—	0.93-1.08E+00	1.37-2.47E+00	7.99E-02
83	0.57-1.43E+01	5.15-5.20E+00	2.27-2.30E+00	—	1.78-2.17E+00	1.73-3.12E+00	1.24E-01
84	0.61-1.45E+01	0.94-1.05E+01	1.52-4.23E+00	2.78E+00	3.91-4.03E+00	2.41-3.76E+00	1.80E-01
85	0.67-1.33E+01	9.21-9.83E+00	1.01-4.48E+00	—	4.17-4.25E+00	4.31-4.50E+00	3.93E-01
86	0.71-1.10E+01	6.33-8.31E+00	1.78-5.15E+00	—	6.00-6.59E+00	4.70-5.39E+00	8.60E-01
87	7.04-8.18E+00	6.36-7.24E+00	2.94-5.96E+00	—	6.26-7.07E+00	4.88-4.97E+00	1.03E+00
88	5.55-7.08E+00	7.09-8.19E+00	4.53-6.63E+00	—	6.64-7.26E+00	4.84-5.34E+00	1.16E+00
89	7.59-8.00E+00	8.89-9.05E+00	6.99-7.25E+00	—	7.08-7.47E+00	5.80-5.94E+00	1.34E+00
90	7.68-8.72E+00	8.37-8.37E+00	6.85-7.26E+00	—	7.49-7.92E+00	5.54-6.08E+00	1.29E+00
91	6.17-6.21E+00	6.52-6.59E+00	6.45-7.27E+00	5.56E+00	6.54-7.36E+00	5.88-5.99E+00	1.11E+00
92	4.74-8.37E+00	5.93-5.97E+00	6.51-6.77E+00	6.07E+00	6.92-7.01E+00	5.32-5.52E+00	1.01E+00
93	4.37-6.53E+00	4.84-4.94E+00	6.23-6.72E+00	6.63E+00	6.12-6.70E+00	5.51-5.58E+00	9.73E-01
94	2.51-3.66E+00	3.38-4.11E+00	5.09-6.36E+00	—	5.49-5.56E+00	5.14-5.36E+00	8.02E-01
95	3.38-3.40E+00	2.67-2.68E+00	4.93-6.36E+00	—	5.61-5.65E+00	4.80-4.94E+00	7.86E-01
96	2.61-2.86E+00	1.37-1.38E+00	4.94-4.97E+00	—	4.78-5.00E+00	3.77-3.83E+00	7.95E-01
97	2.38-2.41E+00	6.98-7.31E-01	4.35-4.51E+00	4.29E+00	4.43-4.46E+00	3.05-3.36E+00	7.37E-01
98	1.37-1.86E+00	2.71-2.92E-01	3.18-3.42E+00	—	3.63-3.68E+00	2.45-2.71E+00	9.05E-01
99	1.43-1.44E+00	1.23-1.52E-01	2.53-2.59E+00	—	2.94-2.95E+00	1.96-2.05E+00	3.64E-01
100	0.94-1.15E+00	3.28-3.60E-02	1.37-1.98E+00	—	1.37-1.70E+00	1.64-1.73E+00	1.31E-01
101	7.49-9.22E-01	1.18-1.31E-02	0.64-1.38E+00	—	7.14-8.47E-01	1.36-1.52E+00	3.90E-02
102	5.82-7.34E-01	6.55-7.23E-03	3.70-6.43E-01	—	3.68-3.72E-01	1.02-1.16E+00	1.24E-02
103	5.70-5.80E-01	5.93-6.00E-03	3.49-3.71E-01	—	1.55-1.55E-01	8.86-8.87E-01	5.79E-03
104	3.14-4.03E-01	0.69-1.01E-02	1.97-2.32E-01	—	0.90-1.05E-01	9.46-9.62E-01	4.20E-03
105	2.77-2.80E-01	8.02-8.09E-03	1.46-1.54E-01	1.31E+00	5.15-7.11E-02	1.01-1.08E+00	3.85E-03
106	1.73-1.90E-01	1.18-1.20E-02	1.03-1.10E-01	—	4.86-5.44E-02	1.12-1.19E+00	3.90E-03
107	0.94-1.06E-01	1.00-1.08E-02	0.96-1.00E-01	—	5.11-5.42E-02	1.06-1.18E+00	4.08E-03
108	5.39-5.91E-02	0.85-1.17E-02	7.88-9.09E-02	—	5.39-6.13E-02	1.01-1.28E+00	4.29E-03
109	3.30-3.38E-02	0.72-1.29E-02	7.97-8.26E-02	—	5.36-6.62E-02	0.96-1.41E+00	4.51E-03
110	3.53-4.10E-02	1.23-1.69E-02	6.89-9.08E-02	—	5.89-7.10E-02	1.07-1.38E+00	4.72E-03
111	4.10-5.10E-02	2.11-2.16E-02	9.53-9.97E-02	—	6.48-7.16E-02	1.19-1.30E+00	4.90E-03
112	2.87-2.90E-02	2.08-2.11E-02	5.85-5.89E-02	2.05E+00	6.93-7.83E-02	1.14-1.47E+00	5.05E-03
113	3.40-3.67E-02	1.48-1.70E-02	7.70-8.10E-02	2.46E+00	6.83-7.81E-02	1.19-1.42E+00	5.17E-03
114	3.03-7.76E-02	1.66-2.15E-02	6.11-7.85E-02	—	6.74-7.34E-02	1.18-1.33E+00	5.26E-03
115	0.30-1.77E-01	1.86-1.98E-02	8.00-8.33E-02	—	6.64-7.70E-02	1.17-1.31E+00	5.31E-03
116	0.32-2.06E-01	1.75-1.96E-02	6.47-8.13E-02	—	6.62-7.38E-02	1.14-1.27E+00	5.33E-03
117	0.38-2.37E-01	1.65-2.27E-02	6.57-8.20E-02	—	6.55-7.38E-02	1.11-1.43E+00	5.31E-03
118	0.47-2.72E-01	1.69-1.74E-02	6.67-8.21E-02	—	6.33-6.43E-02	1.07-1.11E+00	5.25E-03
119	0.63-3.09E-01	1.54-1.57E-02	6.88-8.17E-02	—	5.72-6.27E-02	1.02-1.06E+00	5.16E-03
120	0.84-3.49E-01	1.36-1.47E-02	7.29-8.07E-02	—	5.43-6.07E-02	9.69-9.75E-01	5.03E-03
121	1.14-3.92E-01	1.20-1.33E-02	7.90-7.92E-02	—	4.88-5.84E-02	9.18-9.49E-01	4.88E-03
122	1.09-4.36E-01	1.03-1.37E-02	7.63-8.72E-02	—	3.65-5.57E-02	8.48-9.09E-01	4.70E-03
123	2.21-4.83E-01	0.87-1.29E-02	7.32-9.86E-02	—	2.94-5.28E-02	8.06-9.04E-01	4.53E-03
124	3.14-5.30E-01	0.73-1.11E-02	0.70-1.16E-01	—	2.65-5.01E-02	7.97-9.13E-01	4.40E-03
125	5.00-5.79E-01	5.64-6.17E-03	0.68-1.46E-01	—	3.30-4.88E-02	7.21-9.44E-01	4.45E-03
126	5.69-6.28E-01	0.55-1.90E-02	0.69-1.93E-01	—	4.81-5.38E-02	0.88-1.01E+00	5.01E-03
127	6.73-6.80E-01	0.5-3.89E-02	0.80-2.92E-01	—	0.80-1.01E-01	1.08-1.14E+00	7.35E-03
128	9.27-9.62E-01	2.57-5.19E-02	3.07-5.29E-01	—	1.83-1.85E-01	1.17-1.42E+00	1.69E-02
129	1.36-1.43E+00	1.19-1.29E-01	1.03-1.18E+00	5.80E-01	2.52-4.30E-01	1.25-1.78E+00	5.57E-02
130	1.86-1.88E+00	4.17-5.92E-01	1.78-2.08E+00	1.40E+00	8.08-9.46E-01	2.03-2.45E+00	1.86E-01

TABLE 1: Comparison of Mass Chain Yields–Part 1

mass	th227t	th229t	pa231f	pa231h	th232f	th232h	th232s
131	2.61–2.63E+00	5.80–6.04E-01	2.67–2.70E+00	3.37E+00	1.52–1.62E+00	2.32–2.82E+00	5.09E-01
132	3.30–3.39E+00	1.20–1.20E+00	3.48–3.58E+00	4.80E+00	2.59–2.97E+00	2.99–3.43E+00	3.63E+00
133	4.80–4.84E+00	2.97–3.08E+00	5.09–5.29E+00	5.95E+00	4.05–4.50E+00	4.11–4.66E+00	4.31E+00
134	5.73–9.29E+00	5.68–5.97E+00	6.14–6.38E+00	9.18E+00	5.35–5.68E+00	5.78–6.64E+00	5.12E+00
135	0.68–1.02E+01	5.09–5.81E+00	6.67–7.12E+00	6.50E+00	5.53–5.54E+00	5.17–5.25E+00	5.54E+00
136	7.67–7.68E+00	3.20–5.97E+00	7.22–7.48E+00	—	5.57–5.62E+00	6.40–6.58E+00	6.00E+00
137	6.93–6.97E+00	5.99–7.17E+00	7.02–7.33E+00	—	5.84–6.50E+00	5.60–6.15E+00	5.48E+00
138	7.18–7.25E+00	7.50–7.89E+00	7.24–7.45E+00	—	6.39–6.45E+00	5.76–5.91E+00	5.81E+00
139	7.44–7.55E+00	8.49–8.64E+00	7.15–7.35E+00	—	7.10–7.32E+00	5.68–5.80E+00	6.46E+00
140	7.71–7.75E+00	7.94–8.14E+00	6.72–7.07E+00	—	7.76–7.88E+00	5.70–5.99E+00	6.95E+00
141	7.62–7.64E+00	7.46–7.46E+00	6.84–7.18E+00	—	7.22–7.46E+00	5.72–6.11E+00	7.05E+00
142	7.29–7.45E+00	7.30–7.53E+00	6.21–6.46E+00	—	6.51–6.54E+00	5.08–5.41E+00	6.70E+00
143	6.97–6.99E+00	8.31–8.90E+00	5.33–5.81E+00	3.00E+00	6.59–6.65E+00	4.94–5.12E+00	5.96E+00
144	5.95–5.97E+00	0.98–1.04E+01	4.69–4.99E+00	—	7.82–7.92E+00	4.22–5.12E+00	4.96E+00
145	3.11–4.39E+00	5.02–5.72E+00	3.21–3.80E+00	—	5.34–5.52E+00	2.45–2.63E+00	3.87E+00
146	1.04–2.91E+00	3.38–3.44E+00	2.61–2.90E+00	—	4.37–4.55E+00	2.08–2.45E+00	2.82E+00
147	0.18–1.74E+00	2.01–2.11E+00	2.03–2.21E+00	—	2.98–3.10E+00	1.76–1.86E+00	1.93E+00
148	0.31–9.34E-01	1.02–1.36E+00	1.55–1.56E+00	—	2.01–2.01E+00	1.07–1.18E+00	1.23E+00
149	0.10–4.52E-01	5.88–7.10E-01	0.92–1.08E+00	—	1.08–1.19E+00	7.85–8.13E-01	7.37E-01
150	0.02–1.97E-01	1.78–1.81E-01	5.51–6.21E-01	—	0.56–1.04E+00	3.54–4.11E-01	4.13E-01
151	0.05–7.71E-02	3.80–4.60E-02	3.16–3.34E-01	—	3.64–4.22E-01	1.60–2.33E-01	2.16E-01
152	0.02–2.72E-02	0.98–1.66E-02	1.68–1.79E-01	—	0.76–2.96E-01	1.17–1.29E-01	1.06E-01
153	0.10–8.64E-03	2.06–5.40E-03	7.70–7.90E-02	—	0.31–2.08E-01	8.55–8.96E-02	4.87E-02
154	0.04–2.47E-03	0.48–1.58E-03	3.39–4.15E-02	—	0.69–4.78E-02	5.52–6.41E-02	2.10E-02
155	0.10–6.35E-04	0.98–4.15E-04	1.36–2.07E-02	—	0.36–1.10E-02	3.17–4.80E-02	8.43E-03
156	0.05–1.47E-04	2.60–9.84E-05	0.51–1.04E-02	—	2.52–2.69E-03	1.83–3.60E-02	3.17E-03
157	0.15–3.06E-05	0.72–2.10E-05	1.81–5.19E-03	—	7.80–9.32E-04	1.06–1.20E-02	1.12E-03
158	0.58–5.74E-06	1.79–4.02E-06	0.60–3.22E-03	—	2.23–4.64E-04	6.25–7.27E-03	3.69E-04
159	2.02–9.69E-07	5.28–6.95E-07	0.18–1.56E-03	—	5.87–9.77E-05	4.40–4.55E-03	1.14E-04
160	0.10–1.47E-07	1.08–1.34E-07	0.53–7.37E-04	—	1.43–6.92E-05	1.72–2.16E-03	3.29E-05
161	0.61–2.01E-08	1.51–3.58E-08	0.14–3.73E-04	—	0.32–1.45E-05	1.06–1.06E-03	8.91E-06
162	2.48–3.03E-09	1.90–8.86E-09	0.04–1.97E-04	—	0.66–7.98E-06	3.50–5.10E-04	2.26E-06
163	0.27–1.01E-09	0.22–2.68E-09	8.60E-07–1.04E-04	—	0.13–4.64E-06	1.10–2.55E-04	5.35E-07
164	0.27–6.06E-10	0.22–8.95E-10	0.02–4.15E-05	—	0.02–2.04E-06	0.33–1.32E-04	1.19E-07
165	0.02–3.02E-10	0.02–2.68E-10	3.95E-08–2.05E-05	—	0.04–3.53E-07	0.93–7.28E-05	2.46E-08
166	1.98E-13–1.01E-10	0.02–7.16E-11	7.68E-09–9.34E-06	—	5.40E-10–1.38E-07	0.25–2.97E-05	4.79E-09
167	6.06E-11	1.79E-11	1.40E-09–3.63E-06	—	7.47E-11–9.77E-08	0.06–1.59E-05	8.71E-10
168	3.03E-11	6.27E-12	2.37E-10–1.56E-06	—	9.52E-12–5.30E-08	0.16–8.01E-06	1.48E-10
169	1.01E-11	1.79E-12	3.78E-11–6.22E-07	—	1.12E-12–2.69E-08	0.04–3.88E-06	2.36E-11
170	6.06E-12	1.61E-12	5.63E-12–3.11E-07	—	1.22E-13–1.07E-08	7.98E-09–1.74E-06	3.53E-12
171	3.02E-12	1.34E-12	7.86E-13–1.56E-07	—	4.64E-09	0.02–8.19E-07	4.92E-13
172	1.11E-12	1.16E-12	1.03E-13–1.04E-07	—	2.39E-09	3.33E-10–3.81E-07	—
173	—	—	—	—	—	6.31E-11	—
174	—	—	—	—	—	1.14E-11	—
175	—	—	—	—	—	1.94E-12	—
176	—	—	—	—	—	3.16E-13	—

TABLE 1: Comparison of Mass Chain Yields–Part 2

mass	u232t	u233t	u233f	u233h	u234f	u234h	u235t
1	—	6.54E-03	—	9.02E-03	—	—	1.71E-03
2	—	8.47E-04	—	—	—	—	8.40E-04
3	—	9.69E-03	—	2.48E-02	—	—	9.31E-03
4	—	2.06E-01	2.00E-01	1.96E-01	—	—	1.70E-01
6	—	2.15E-03	—	—	—	—	2.67E-03
7	—	7.64E-05	—	—	—	—	6.89E-05
8	—	3.72E-05	—	—	—	—	7.29E-05
9	—	7.43E-05	—	—	—	—	4.07E-05
10	—	8.88E-04	—	—	—	—	5.20E-04
12	—	—	—	—	—	—	1.26E-05
13	—	—	—	—	—	—	3.36E-06
14	—	—	—	—	—	—	1.58E-04
15	—	—	—	—	—	—	2.53E-05
17	—	—	—	—	—	—	2.38E-06
18	—	—	—	—	—	—	9.53E-07
21	—	—	—	—	—	—	2.15E-04
50	—	—	—	1.60E-10	—	—	—
51	—	—	—	5.14E-10	—	—	—
52	—	—	—	1.61E-09	—	—	—
53	—	—	—	4.89E-09	—	—	—
54	—	—	—	1.45E-08	—	—	—
55	—	—	—	4.15E-08	—	—	—
56	—	—	—	1.16E-07	—	—	—
57	—	—	1.11E-13	3.15E-07	—	—	—
58	3.75E-13	4.32E-13	6.87E-13	8.33E-07	—	—	—
59	2.43E-12	2.69E-12	4.04E-12	2.14E-06	—	—	1.43E-13
60	1.48E-11	1.59E-11	2.25E-11	5.34E-06	—	—	8.72E-13
61	8.50E-11	8.84E-11	1.19E-10	1.30E-05	—	—	5.03E-12
62	4.60E-10	4.65E-10	5.93E-10	3.06E-05	—	—	2.75E-11
63	2.34E-09	2.32E-09	2.81E-09	7.03E-05	—	—	1.42E-10
64	1.13E-08	1.09E-08	1.26E-08	1.57E-04	—	—	6.98E-10
65	5.09E-08	4.86E-08	5.34E-08	3.40E-04	—	—	3.24E-09
66	2.17E-07-6.99E-03	2.05-2.50E-07	2.15-3.99E-07	6.70-7.18E-04	3.92E-06	4.46E-04	1.43-7.22E-08
67	8.70E-07-8.99E-03	0.82-1.12E-06	0.82-1.60E-06	1.51-1.66E-03	9.29E-06	1.05E-03	0.60-3.61E-07
68	3.29E-06-1.30E-02	3.08-3.43E-06	2.95-4.88E-06	1.80-2.67E-03	2.68E-05	1.47E-03	2.35-7.16E-07
69	1.17E-05-1.80E-02	0.94-1.10E-05	1.01-1.33E-05	2.90-4.19E-03	6.19E-05	2.06E-03	0.88-1.57E-06
70	3.93E-05-2.50E-02	3.67-3.69E-05	3.26-5.32E-05	4.70-6.38E-03	2.07E-04	3.44E-03	3.12-3.62E-06
71	0.01-3.50E-02	1.18-1.62E-04	1.00-2.31E-04	7.44-9.46E-03	5.16E-04	5.30E-03	0.84-1.05E-05
72	0.04-4.70E-02	3.54-4.16E-04	2.90-6.83E-04	1.30-1.36E-02	6.34E-04	1.04E-02	2.65-3.33E-05
73	0.10-6.80E-02	1.01-1.15E-03	0.80-1.56E-03	1.87-2.37E-02	1.07E-03	1.48E-02	1.00-1.02E-04
74	0.27-8.99E-02	2.71-2.72E-03	2.08-3.72E-03	2.81-4.01E-02	4.14E-03	2.26E-02	3.39-3.40E-04
75	0.07-1.30E-01	6.92-7.98E-03	0.51-1.11E-02	4.35-6.59E-02	1.18E-02	3.43E-02	0.83-1.07E-03
76	0.16-1.71E-01	1.38-1.67E-02	1.20-1.97E-02	0.67-1.05E-01	2.61E-02	5.51E-02	3.10-4.62E-03
77	0.35-2.50E-01	2.60-3.80E-02	2.65-3.73E-02	1.02-1.64E-01	5.68E-02	8.39E-02	7.96-8.38E-03
78	0.73-3.50E-01	5.38-6.20E-02	5.55-6.21E-02	1.55-2.49E-01	8.88E-02	1.35E-01	2.03-2.10E-02
79	1.43-4.80E-01	1.25-1.44E-01	0.98-1.10E-01	2.31-3.67E-01	1.45E-01	2.06E-01	4.47-4.71E-02
80	2.64-6.40E-01	2.34-2.48E-01	2.07-2.12E-01	3.38-5.27E-01	2.17E-01	2.60E-01	1.26-1.29E-01
81	4.60-7.99E-01	3.68-3.70E-01	3.69-3.70E-01	5.41-7.36E-01	3.61E-01	4.73E-01	1.97-2.04E-01
82	0.75-1.14E+00	5.86-5.89E-01	5.92-6.23E-01	0.84-1.00E+00	6.54E-01	8.28E-01	3.25-3.29E-01
83	1.16-1.50E+00	1.01-1.07E+00	9.93-9.95E-01	1.31-1.33E+00	1.21E+00	1.17E+00	5.36-5.57E-01
84	1.69-1.80E+00	1.68-1.69E+00	1.64-1.65E+00	1.74-2.06E+00	1.96E+00	1.49E+00	1.00-1.00E+00
85	2.31-2.67E+00	2.18-2.24E+00	2.12-2.12E+00	2.13-2.21E+00	2.17E+00	2.32E+00	1.32-1.33E+00
86	2.97-3.36E+00	2.84-3.04E+00	2.78-2.79E+00	2.68-2.75E+00	3.49E+00	2.27E+00	1.96-1.97E+00
87	3.61-4.38E+00	3.97-4.02E+00	3.84-4.21E+00	3.33-3.38E+00	2.99E+00	3.18E+00	2.53-2.56E+00
88	5.54-6.21E+00	5.43-5.47E+00	5.07-5.12E+00	3.97-4.25E+00	3.97E+00	3.77E+00	3.49-3.58E+00
89	6.92-7.27E+00	6.11-6.34E+00	5.75-6.25E+00	4.62-4.82E+00	5.39E+00	4.30E+00	4.73-4.76E+00
90	6.60-7.19E+00	6.70-6.79E+00	6.39-6.45E+00	4.76-4.91E+00	6.04E+00	4.71E+00	5.78-5.78E+00
91	7.10-7.16E+00	6.49-6.58E+00	6.25-6.45E+00	5.01-5.18E+00	6.43E+00	5.00E+00	5.83-5.86E+00
92	6.53-6.85E+00	6.55-6.55E+00	6.41-6.54E+00	5.02-5.48E+00	6.11E+00	5.18E+00	5.98-6.02E+00
93	6.94-7.29E+00	6.91-6.98E+00	6.92-6.94E+00	5.38-5.78E+00	6.16E+00	5.04E+00	6.31-6.35E+00
94	5.23-6.23E+00	6.83-6.86E+00	6.74-6.75E+00	5.03-5.45E+00	6.42E+00	5.17E+00	6.47-6.47E+00
95	5.86-6.20E+00	6.35-6.41E+00	6.28-6.30E+00	5.05-5.13E+00	6.33E+00	5.03E+00	6.50-6.52E+00
96	5.54-5.83E+00	5.68-5.74E+00	5.70-5.72E+00	4.82-4.99E+00	6.22E+00	5.29E+00	6.27-6.34E+00
97	5.23-5.43E+00	5.52-5.54E+00	5.43-5.44E+00	4.83-4.85E+00	6.04E+00	5.04E+00	5.91-6.00E+00
98	4.70-4.71E+00	5.18-5.19E+00	5.14-5.14E+00	3.95-4.36E+00	5.77E+00	4.86E+00	5.74-5.79E+00
99	4.21-4.24E+00	4.91-5.02E+00	4.70-4.85E+00	3.78-3.92E+00	5.08E+00	4.25E+00	6.11-6.13E+00
100	2.06-3.00E+00	4.39-4.46E+00	4.36-4.38E+00	3.09-3.62E+00	4.14E+00	3.51E+00	6.20-6.29E+00
101	0.80-2.00E+00	3.17-3.21E+00	3.09-3.89E+00	2.74-3.30E+00	3.39E+00	3.17E+00	5.13-5.17E+00
102	0.28-1.50E+00	2.40-2.43E+00	2.18-2.94E+00	2.51-2.99E+00	2.67E+00	2.97E+00	4.26-4.30E+00
103	0.10-1.06E+00	1.45-1.57E+00	1.54-1.66E+00	2.53-2.72E+00	2.42E+00	2.30E+00	3.03-3.08E+00
104	0.52-3.50E-01	9.74-9.80E-01	0.88-1.28E+00	1.98-2.24E+00	1.32E+00	2.08E+00	1.87-1.88E+00
105	0.36-2.43E-01	4.96-5.00E-01	5.03-8.55E-01	1.80-1.84E+00	1.24E+00	2.13E+00	9.47-9.64E-01
106	3.21-9.99E-02	2.46-2.51E-01	2.88-3.25E-01	1.39-1.52E+00	4.29E-01	1.53E+00	4.02-4.09E-01
107	2.60-3.25E-02	1.15-1.16E-01	1.46-2.11E-01	1.42-1.51E+00	2.68E-01	1.23E+00	1.39-1.46E-01
108	0.82-3.49E-02	7.58-7.97E-02	0.98-1.72E-01	1.43-1.49E+00	1.86E-01	1.42E+00	5.41-5.72E-02
109	0.90-3.81E-02	3.94-4.23E-02	0.85-1.46E-01	1.48-1.50E+00	1.23E-01	1.26E+00	2.88-3.12E-02
110	0.83-4.17E-02	3.87-3.99E-02	0.80-1.26E-01	1.32-1.41E+00	1.03E-01	1.42E+00	2.54-2.55E-02
111	0.91-4.56E-02	2.16-2.48E-02	0.74-1.09E-01	1.35-1.41E+00	5.82E-02	1.32E+00	1.74-1.97E-02
112	1.10-4.94E-02	1.33-1.44E-02	6.49-9.43E-02	1.64-1.69E+00	7.23E-02	1.47E+00	1.19-1.30E-02

TABLE 1: Comparison of Mass Chain Yields–Part 2

mass	u232t	u233t	u233f	u233h	u234f	u234h	u235t
113	1.40–5.32E-02	1.36–1.59E-02	6.26–8.09E-02	1.31–1.70E+00	5.97E-02	1.30E+00	1.42–1.60E-02
114	1.60–5.70E-02	1.29–1.76E-02	5.59–6.89E-02	1.23–1.25E+00	5.89E-02	1.32E+00	1.18–1.29E-02
115	1.88–6.06E-02	1.50–1.94E-02	5.48–5.83E-02	1.20–1.45E+00	6.85E-02	1.33E+00	1.14–1.26E-02
116	1.55–6.39E-02	1.32–1.71E-02	5.91–6.55E-02	1.18–1.38E+00	5.68E-02	1.18E+00	1.32–1.61E-02
117	1.45–6.70E-02	1.41–1.50E-02	6.00–6.57E-02	1.17–1.32E+00	5.48E-02	1.19E+00	1.22–1.28E-02
118	1.14–6.97E-02	1.54–1.55E-02	6.00–7.07E-02	1.15–1.29E+00	5.48E-02	1.19E+00	1.13–1.32E-02
119	0.87–7.21E-02	1.58–1.86E-02	7.40–7.49E-02	1.12–1.22E+00	5.98E-02	1.17E+00	1.29–1.49E-02
120	0.81–7.42E-02	1.75–2.18E-02	7.09–8.30E-02	1.10–1.16E+00	6.46E-02	1.15E+00	1.26–1.44E-02
121	0.86–7.60E-02	1.85–2.31E-02	8.03–8.30E-02	1.09–1.71E+00	6.96E-02	1.34E+00	1.26–1.30E-02
122	1.44–7.82E-02	1.95–4.10E-02	7.26–8.30E-02	1.14–1.24E+00	8.16E-02	1.22E+00	1.55–1.80E-02
123	1.91–8.22E-02	2.51–6.04E-02	7.58–9.98E-02	1.23–1.35E+00	9.95E-02	1.30E+00	1.50–1.57E-02
124	3.16–9.23E-02	3.22–7.46E-02	1.03–1.20E-01	1.34–1.51E+00	1.19E-01	1.43E+00	2.68–3.15E-02
125	1.20–1.58E-01	1.16–1.17E-01	1.46–1.50E-01	1.51–1.52E+00	1.57E-01	1.61E+00	2.60–3.40E-02
126	2.00–2.29E-01	2.26–2.30E-01	2.85–3.40E-01	1.80–2.31E+00	2.59E-01	2.14E+00	5.85–5.94E-02
127	3.83–4.70E-01	4.56–5.55E-01	5.64–7.40E-01	2.14–2.23E+00	3.89E-01	2.20E+00	1.20–1.57E-01
128	0.86–1.06E+00	8.37–8.80E-01	1.18–1.43E+00	2.52–2.54E+00	6.48E-01	2.51E+00	3.31–3.49E-01
129	1.57–1.77E+00	1.54–1.59E+00	1.74–1.79E+00	2.83–2.97E+00	1.62E+00	3.19E+00	5.43–7.07E-01
130	1.94–3.01E+00	2.09–2.45E+00	2.59–2.79E+00	3.20–3.50E+00	2.54E+00	3.48E+00	1.78–1.81E+00
131	2.40–3.75E+00	3.55–3.60E+00	3.74–3.86E+00	4.07–4.08E+00	3.74E+00	3.71E+00	2.88–2.89E+00
132	4.99–5.17E+00	4.77–4.95E+00	4.70–5.04E+00	3.89–3.98E+00	4.36E+00	5.26E+00	4.30–4.31E+00
133	5.61–5.80E+00	5.94–5.95E+00	5.69–6.04E+00	4.38–4.56E+00	6.46E+00	5.01E+00	6.55–6.70E+00
134	4.14–5.24E+00	6.21–6.31E+00	6.29–6.31E+00	4.65–4.99E+00	5.75E+00	5.54E+00	7.74–7.87E+00
135	5.28–5.32E+00	5.34–6.27E+00	6.24–6.42E+00	4.96–5.13E+00	5.58E+00	5.46E+00	6.54–6.56E+00
136	5.24–7.20E+00	6.91–7.04E+00	6.76–7.04E+00	4.96–5.71E+00	6.49E+00	6.50E+00	6.28–6.32E+00
137	5.20–7.80E+00	6.21–6.76E+00	6.51–6.75E+00	4.96–5.08E+00	5.86E+00	5.03E+00	6.19–6.21E+00
138	5.15–5.64E+00	5.85–5.91E+00	6.51–6.58E+00	5.36–6.40E+00	6.59E+00	5.26E+00	6.71–6.77E+00
139	6.91–7.12E+00	5.61–6.31E+00	5.89–6.36E+00	5.79–5.87E+00	6.00E+00	5.28E+00	6.37–6.41E+00
140	7.30–7.72E+00	6.34–6.42E+00	6.01–6.16E+00	4.70–5.03E+00	5.79E+00	3.93E+00	6.22–6.34E+00
141	6.91–7.28E+00	6.20–6.48E+00	6.25–6.44E+00	4.46–4.49E+00	6.51E+00	3.68E+00	5.79–5.85E+00
142	6.35–6.35E+00	6.65–6.67E+00	6.12–6.34E+00	3.78–4.40E+00	5.99E+00	4.33E+00	5.80–5.85E+00
143	5.09–5.25E+00	5.87–5.97E+00	5.31–5.52E+00	3.18–3.22E+00	6.14E+00	3.29E+00	5.94–5.96E+00
144	3.77–4.33E+00	4.63–4.73E+00	4.38–4.47E+00	2.48–2.62E+00	5.44E+00	2.70E+00	5.46–5.50E+00
145	3.08–3.12E+00	3.38–3.44E+00	3.20–3.20E+00	2.03–2.11E+00	3.99E+00	2.34E+00	3.93–3.94E+00
146	2.42–2.50E+00	2.52–2.59E+00	2.38–2.39E+00	1.63–1.65E+00	3.07E+00	1.91E+00	2.98–3.00E+00
147	1.21–1.65E+00	1.74–1.80E+00	1.69–1.74E+00	1.24–1.26E+00	2.02E+00	1.28E+00	2.22–2.25E+00
148	0.95–1.06E+00	1.29–1.30E+00	1.20–1.20E+00	0.88–1.05E+00	1.43E+00	1.05E+00	1.67–1.68E+00
149	6.45–6.67E-01	7.66–7.78E-01	7.11–7.18E-01	6.17–8.53E-01	1.04E+00	6.23E-01	1.05–1.08E+00
150	3.68–5.11E-01	4.88–5.06E-01	4.66–4.70E-01	4.46–6.75E-01	6.37E-01	4.83E-01	6.51–6.53E-01
151	1.98–3.43E-01	3.16–3.35E-01	3.08–3.12E-01	3.42–5.20E-01	3.18E-01	3.36E-01	4.18–4.19E-01
152	1.00–2.67E-01	1.98–2.14E-01	1.92–1.94E-01	2.17–2.75E-01	2.49E-01	2.37E-01	2.52–2.67E-01
153	0.48–1.91E-01	1.04–1.30E-01	1.03–1.15E-01	1.43–1.46E-01	1.49E-01	1.82E-01	1.51–1.58E-01
154	0.21–1.34E-01	4.62–4.67E-02	4.36–6.07E-02	9.77–9.80E-02	8.06E-02	8.92E-02	7.28–7.44E-02
155	0.09–1.05E-01	2.14–2.29E-02	2.27–3.20E-02	6.54–6.60E-02	5.07E-02	6.42E-02	3.10–3.21E-02
156	0.36–7.62E-02	1.13–1.28E-02	1.69–1.76E-02	4.36–4.45E-02	2.09E-02	4.71E-02	1.34–1.49E-02
157	0.14–5.24E-02	6.30–7.09E-03	1.01–1.16E-02	2.78–2.78E-02	1.09E-02	3.26E-02	6.15–6.63E-03
158	0.05–3.33E-02	2.06–2.61E-03	3.32–4.69E-03	1.71–1.73E-02	6.36E-03	1.98E-02	1.97–3.29E-03
159	0.02–2.10E-02	8.86–9.59E-04	1.73–1.89E-03	1.06–1.08E-02	2.09E-03	1.16E-02	1.01–1.06E-03
160	5.05E-05–1.45E-02	3.16–3.38E-04	4.19–9.65E-04	7.16–7.17E-03	1.09E-03	7.02E-03	2.93–3.19E-04
161	0.01–8.57E-03	1.19–1.22E-04	0.95–4.93E-04	4.67–4.75E-03	4.38E-04	4.55E-03	8.11–8.53E-05
162	4.16E-06–5.72E-03	1.27–3.69E-05	0.23–1.56E-04	2.75–2.77E-03	1.59E-04	2.77E-03	1.59–2.66E-05
163	1.09E-06–3.52E-03	0.59–1.08E-05	1.04–4.70E-05	1.57–1.71E-03	4.97E-05	1.68E-03	6.11–8.27E-06
164	2.70E-07–2.38E-03	1.95–2.98E-06	0.35–1.34E-05	0.87–1.05E-03	2.88E-05	9.90E-04	1.88–2.44E-06
165	6.29E-08–1.71E-03	6.32–7.80E-07	1.16–3.60E-06	4.65–6.26E-04	9.46E-06	5.83E-04	6.80–9.52E-07
166	1.38E-08–1.14E-03	1.93–3.68E-07	6.73–9.18E-07	2.43–2.64E-04	2.49E-06	2.57E-04	1.80–3.63E-07
167	2.85E-09–7.62E-04	4.51–5.09E-08	0.94–2.22E-07	1.71–2.18E-04	5.97E-07	2.08E-04	0.45–2.47E-07
168	5.55E-10–4.76E-04	1.00–1.29E-08	2.46–5.08E-08	1.21–1.33E-04	2.69E-07	1.19E-04	1.07–5.71E-08
169	1.02E-10–3.05E-04	2.09–4.40E-09	0.82–1.10E-08	8.29–8.49E-05	9.45E-08	7.91E-05	0.24–2.38E-08
170	1.76E-11–2.12E-04	0.41–1.62E-09	2.26–2.46E-09	4.37–5.09E-05	2.49E-08	3.91E-05	0.51–5.01E-09
171	2.86E-12–1.43E-04	0.77–4.47E-10	4.40–7.58E-10	2.37–3.05E-05	7.96E-09	2.08E-05	0.10–2.35E-09
172	4.38E-13–9.53E-05	0.14–1.51E-10	0.81–2.84E-10	1.83–2.28E-05	1.19E-09	1.68E-05	0.20–7.69E-10
173	—	2.28E-12	1.41E-11	8.63E-06	—	—	3.57E-12
174	—	3.60E-13	2.34E-12	4.07E-06	—	—	6.11E-13
175	—	—	3.66E-13	1.92E-06	—	—	—
176	—	—	—	6.73E-07	—	—	—
177	—	—	—	2.29E-07	—	—	—
178	—	—	—	7.59E-08	—	—	—
179	—	—	—	2.44E-08	—	—	—
180	—	—	—	7.65E-09	—	—	—
181	—	—	—	2.33E-09	—	—	—
182	—	—	—	6.88E-10	—	—	—
183	—	—	—	1.98E-10	—	—	—
184	—	—	—	5.53E-11	—	—	—
185	—	—	—	1.50E-11	—	—	—
186	—	—	—	3.98E-12	—	—	—
187	—	—	—	1.02E-12	—	—	—
188	—	—	—	2.55E-13	—	—	—

TABLE 1: Comparison of Mass Chain Yields–Part 3

mass	u235f	u235h	u236f	u236h	np237t	np237f	np237h
1	—	6.34E-03	—	—	—	—	1.90E-02
3	1.35E-02	1.74E-02	—	—	—	—	3.33E-02
4	1.98E-01	1.67E-01	—	—	—	—	2.01E-01
39	—	—	—	—	—	—	1.37E+00
50	—	4.21E-12	—	—	—	—	—
51	—	1.67E-11	—	—	—	—	—
52	—	6.43E-11	—	—	—	—	—
53	—	2.39E-10	—	—	—	—	—
54	—	8.60E-10	—	—	—	—	—
55	—	3.00E-09	—	—	2.72E-13	3.08E-13	—
56	—	1.01E-08	4.70E-13	—	1.25E-12	1.41E-12	—
57	1.01E-13	3.30E-08	2.27E-12	—	5.51E-12	6.22E-12	—
58	5.80E-13	1.04E-07	1.05E-11	—	2.34E-11	2.64E-11	—
59	3.15E-12	3.19E-07	4.66E-11	—	9.57E-11	1.08E-10	—
60	1.63E-11	9.43E-07	1.99E-10	—	3.76E-10	4.24E-10	—
61	8.05E-11	2.70E-06	8.11E-10	—	1.43E-09	1.60E-09	—
62	3.78E-10	7.49E-06	3.18E-09	—	5.19E-09	5.83E-09	—
63	1.69E-09	2.01E-05	1.19E-08	—	1.82E-08	2.04E-08	—
64	7.19E-09	5.22E-05	4.30E-08	—	6.14E-08	6.88E-08	—
65	2.91E-08	1.31E-04	1.49E-07	—	1.99E-07	2.23E-07	—
66	1.12-7.23E-07	2.88-3.19E-04	4.93-8.30E-07	1.85E-04	0.49-6.22E-07	1.87-6.96E-07	5.00E-03
67	0.41-2.32E-06	6.04-6.50E-04	1.57-2.08E-06	4.06E-04	0.09-1.87E-06	0.37-2.09E-06	7.00E-03
68	1.44-4.03E-06	0.89-1.07E-03	4.15-4.78E-06	7.87E-04	0.49-5.41E-06	1.88-6.03E-06	9.00E-03
69	4.81-8.70E-06	1.32-1.70E-03	0.93-1.40E-05	1.10E-03	0.20-1.50E-05	6.89E-08-1.68E-05	1.20E-02
70	1.53-1.89E-05	2.36-2.62E-03	2.08-3.92E-05	1.99E-03	0.59-4.03E-05	2.44-4.49E-05	1.50E-02
71	4.61-4.65E-05	3.91-3.95E-03	0.52-1.06E-04	3.09E-03	0.15-1.04E-04	0.62-1.15E-04	2.00E-02
72	1.33-1.66E-04	5.65-6.01E-03	1.87-2.73E-04	4.69E-03	0.29-2.57E-04	1.50-2.86E-04	2.50E-02
73	3.63-5.24E-04	1.13-1.15E-02	6.75-7.19E-04	8.18E-03	0.88-6.14E-04	3.69-6.82E-04	3.30E-02
74	0.95-1.19E-03	1.70-1.88E-02	1.60-3.11E-03	1.39E-02	0.26-1.41E-03	0.66-1.56E-03	4.30E-02
75	2.35-3.53E-03	2.70-2.99E-02	3.65-8.30E-03	1.99E-02	0.44-3.11E-03	1.32-3.45E-03	5.30E-02
76	0.55-1.76E-02	4.00-4.58E-02	0.80-2.28E-02	2.89E-02	1.85-6.62E-03	6.01-7.33E-03	7.01E-02
77	1.25-3.18E-02	6.66-6.80E-02	1.67-4.52E-02	5.98E-02	0.43-1.36E-02	1.04-1.50E-02	9.50E-02
78	2.67-5.71E-02	1.00-1.18E-01	3.36-5.81E-02	1.10E-01	1.27-2.67E-02	2.44-2.94E-02	1.20E-01
79	5.45-9.09E-02	1.68-1.99E-01	0.65-1.14E-01	1.69E-01	2.64-5.05E-02	5.57-5.64E-02	1.60E-01
80	1.06-1.76E-01	2.53-3.24E-01	1.20-1.87E-01	2.39E-01	3.52-9.21E-02	1.01-1.11E-01	2.00E-01
81	1.96-2.28E-01	3.42-5.12E-01	2.12-2.70E-01	3.49E-01	1.17-1.62E-01	1.78-3.36E-01	2.60E-01
82	3.40-3.44E-01	5.93-7.81E-01	3.61-3.84E-01	5.40E-01	1.76-2.73E-01	2.99-3.57E-01	3.52E-01
83	5.77-5.77E-01	1.10-1.15E+00	5.65-5.89E-01	6.38E-01	3.42-4.43E-01	4.83-4.86E-01	4.50E-01
84	1.03-1.04E+00	1.50-1.51E+00	0.92-1.04E+00	1.07E+00	5.05-6.92E-01	7.64-7.69E-01	5.85E-01
85	1.33-1.36E+00	1.67-1.87E+00	1.38-1.40E+00	1.35E+00	1.00-1.04E+00	9.44-9.51E-01	7.30E-01
86	1.95-1.95E+00	1.83-2.27E+00	1.77-1.84E+00	1.74E+00	1.14-1.40E+00	1.31-1.31E+00	9.19E-01
87	2.54-2.55E+00	2.45-2.67E+00	2.30-2.33E+00	2.58E+00	1.86-1.88E+00	1.75-1.76E+00	1.21E+00
88	3.49-3.56E+00	3.43-3.76E+00	2.85-2.90E+00	2.66E+00	2.24-2.25E+00	2.16-2.20E+00	1.53E+00
89	4.37-4.39E+00	4.10-4.12E+00	3.33-3.87E+00	3.66E+00	2.64-2.82E+00	2.23-2.54E+00	2.02E+00
90	5.23-5.47E+00	4.53-4.59E+00	4.16-4.73E+00	3.82E+00	3.11-3.44E+00	3.33-3.34E+00	2.50E+00
91	5.37-5.73E+00	4.62-4.82E+00	5.21-5.50E+00	4.25E+00	3.66-3.67E+00	3.85-3.93E+00	2.67-2.80E+00
92	5.77-5.85E+00	4.99-5.10E+00	5.44-5.61E+00	4.82E+00	4.18-4.18E+00	4.39-4.43E+00	3.72-4.02E+00
93	5.85-6.25E+00	5.19-5.40E+00	5.07-5.53E+00	5.07E+00	4.80-4.82E+00	5.12-5.12E+00	4.92-4.94E+00
94	6.17-6.30E+00	5.10-5.26E+00	5.02-5.33E+00	5.36E+00	5.02-5.02E+00	5.12-5.14E+00	5.04E+00
95	6.34-6.43E+00	5.13-5.18E+00	5.59-6.36E+00	5.26E+00	5.68-5.72E+00	5.66-5.67E+00	5.54E+00
96	6.13-6.20E+00	5.16-5.21E+00	5.40-6.05E+00	5.31E+00	5.68-5.80E+00	5.49-5.53E+00	5.51E+00
97	5.85-6.00E+00	5.20-5.52E+00	5.21-5.45E+00	5.45E+00	5.85-5.88E+00	6.14-6.23E+00	5.38-5.43E+00
98	5.92-5.98E+00	5.13-5.44E+00	5.30-6.03E+00	5.23E+00	5.91-6.25E+00	6.11-6.11E+00	5.20-5.31E+00
99	5.83-5.94E+00	5.07-5.14E+00	5.40-5.82E+00	5.13E+00	6.61-6.65E+00	6.12-6.98E+00	4.86-4.97E+00
100	6.30-6.39E+00	3.95-4.83E+00	5.30-5.78E+00	4.79E+00	5.34-6.72E+00	6.44-6.55E+00	5.20E+00
101	5.12-5.20E+00	3.45-4.41E+00	5.21-5.23E+00	4.20E+00	6.64-6.80E+00	6.12-6.17E+00	5.00E+00
102	4.36-4.45E+00	3.25-3.84E+00	4.36-5.20E+00	3.55E+00	5.09-6.32E+00	5.77-5.88E+00	4.60E+00
103	3.24-3.25E+00	3.21-3.21E+00	3.64-4.16E+00	3.21E+00	5.78-5.87E+00	5.11-5.56E+00	4.33-5.07E+00
104	2.07-2.21E+00	2.39-2.48E+00	2.26-3.54E+00	2.82E+00	3.88-3.89E+00	4.13-4.19E+00	4.00-4.22E+00
105	1.20-1.28E+00	1.78-1.87E+00	1.40-2.47E+00	2.50E+00	2.60-2.65E+00	2.91-3.10E+00	3.44-3.51E+00
106	4.65-5.32E-01	1.61-1.70E+00	0.87-1.01E+00	1.81E+00	1.53-3.30E+00	2.18-2.33E+00	3.00E+00
107	2.06-3.02E-01	1.29-1.54E+00	4.14-6.16E-01	1.59E+00	0.82-2.41E+00	1.14-1.71E+00	2.50E+00
108	0.93-1.31E-01	1.18-1.39E+00	2.05-3.84E-01	1.38E+00	0.42-1.78E+00	0.60-1.30E+00	1.90E+00
109	5.02-8.15E-02	1.17-1.26E+00	1.15-1.54E-01	1.20E+00	0.21-1.10E+00	3.14-6.38E-01	1.46-1.48E+00
110	3.60-6.49E-02	1.08-1.24E+00	0.75-1.14E-01	1.30E+00	1.13-5.37E-01	1.70-3.01E-01	1.30-1.35E+00
111	3.22-4.26E-02	1.08-1.21E+00	5.69-6.73E-02	1.11E+00	0.63-1.37E-01	9.24-9.53E-02	1.21-1.23E+00
112	2.59-3.77E-02	0.80-1.08E+00	4.96-5.29E-02	1.16E+00	3.74-5.85E-02	6.36-7.35E-02	1.21-1.24E+00
113	3.26-3.42E-02	1.09-1.14E+00	4.11-4.69E-02	1.09E+00	2.38-3.90E-02	4.50-5.16E-02	1.23-1.24E+00
114	3.02-3.23E-02	1.06-1.06E+00	3.63-4.65E-02	1.05E+00	1.66-3.42E-02	4.42-5.28E-02	1.23-1.23E+00
115	2.67-3.39E-02	0.98-1.09E+00	3.84-4.72E-02	1.04E+00	1.31-1.63E-02	4.35-4.89E-02	1.23-1.23E+00
116	3.40-3.59E-02	1.02-1.06E+00	3.74-4.83E-02	1.27E+00	1.03-1.97E-02	4.28-4.78E-02	1.23E+00
117	3.57-3.68E-02	1.05-1.07E+00	3.77-4.94E-02	1.14E+00	0.88-1.78E-02	4.29-4.30E-02	1.23E+00
118	3.36-3.53E-02	1.08-1.08E+00	3.63-5.04E-02	1.10E+00	0.80-1.67E-02	4.35-5.29E-02	1.23E+00
119	3.47-3.50E-02	1.08-1.10E+00	3.53-5.14E-02	1.02E+00	0.78-1.62E-02	4.44-5.33E-02	1.23E+00
120	3.40-3.53E-02	1.09-1.12E+00	3.82-5.25E-02	1.05E+00	0.82-1.43E-02	4.60-5.30E-02	1.23E+00
121	3.34-3.68E-02	1.05-1.14E+00	3.75-5.44E-02	1.16E+00	0.97-1.59E-02	4.93-5.26E-02	1.26E+00
122	3.34-4.04E-02	1.15-1.18E+00	5.06-5.83E-02	1.10E+00	1.28-1.77E-02	4.95-6.07E-02	1.30E+00
123	3.52-4.41E-02	1.19-1.24E+00	6.65-7.12E-02	1.17E+00	1.89-1.96E-02	5.43-7.57E-02	1.35E+00
124	4.30-6.33E-02	1.29-1.35E+00	8.38-9.40E-02	1.29E+00	2.61-3.01E-02	6.64-7.27E-02	1.41E+00
125	6.80-6.84E-02	1.46-1.54E+00	1.21-1.64E-01	1.47E+00	2.95-5.08E-02	0.92-1.31E-01	1.50E+00

TABLE 1: Comparison of Mass Chain Yields–Part 3

mass	u235f	u235h	u236f	u236h	np237t	np237f	np237h
126	0.10–0.10E+00	1.86–1.87E+00	2.43–2.90E-01	1.60E+00	7.10–9.07E-02	1.50–1.65E-01	1.90E+00
127	3.01–3.06E-01	2.06–2.18E+00	2.10–3.53E-01	1.96E+00	1.70–1.83E-01	3.56–4.42E-01	2.50–2.54E+00
128	4.95–5.05E-01	1.80–2.46E+00	5.44–5.75E-01	2.23E+00	4.10–5.23E-01	0.80–1.50E+00	1.42–2.90E+00
129	0.84–1.09E+00	1.58–3.38E+00	9.31–9.60E-01	2.81E+00	9.71–9.90E-01	1.76–1.93E+00	2.56–3.30E+00
130	1.79–2.00E+00	2.52–3.60E+00	1.74–1.92E+00	3.35E+00	1.84–1.90E+00	2.37–2.73E+00	1.06–3.62E+00
131	3.22–3.36E+00	4.02–4.10E+00	2.95–3.05E+00	3.81E+00	3.16–3.63E+00	3.60–3.74E+00	3.36–4.09E+00
132	4.67–4.69E+00	4.38–4.89E+00	4.07–4.38E+00	4.87E+00	4.32–4.57E+00	4.70–4.85E+00	4.25–4.40E+00
133	6.59–6.72E+00	5.43–5.53E+00	6.67–6.89E+00	5.39E+00	6.48–6.55E+00	6.47–6.70E+00	4.46–4.50E+00
134	7.65–7.67E+00	5.58–5.72E+00	7.66–7.74E+00	5.84E+00	6.62–7.35E+00	7.07–7.34E+00	4.68–5.45E+00
135	6.30–6.60E+00	5.32–5.73E+00	6.08–6.18E+00	5.57E+00	7.68–7.77E+00	7.26–7.60E+00	4.69–5.00E+00
136	6.11–6.23E+00	5.08–5.30E+00	6.20–6.59E+00	6.11E+00	7.18–7.22E+00	6.71–6.90E+00	4.34–5.01E+00
137	5.96–6.22E+00	4.95–4.98E+00	5.91–6.00E+00	5.14E+00	6.18–6.71E+00	6.25–6.35E+00	4.01–5.11E+00
138	6.51–6.68E+00	4.59–4.84E+00	5.99–6.64E+00	5.07E+00	6.22–6.23E+00	6.14–6.25E+00	3.71–5.00E+00
139	6.34–6.38E+00	4.70–4.81E+00	6.06–6.34E+00	5.20E+00	6.13–6.17E+00	5.63–5.69E+00	4.76–4.84E+00
140	5.86–5.98E+00	4.43–4.53E+00	5.64–5.70E+00	4.12E+00	6.02–6.11E+00	5.49–5.73E+00	4.83–4.89E+00
141	5.71–5.95E+00	4.41–4.49E+00	5.25–5.38E+00	4.05E+00	6.02–6.14E+00	4.82–5.34E+00	4.30–4.80E+00
142	5.54–5.70E+00	4.13–4.21E+00	5.15–5.42E+00	4.26E+00	4.97–5.03E+00	4.80–4.91E+00	3.78–4.50E+00
143	5.61–5.67E+00	3.82–3.87E+00	4.43–5.76E+00	3.94E+00	5.04–5.10E+00	4.65–4.71E+00	3.54–3.60E+00
144	4.95–5.27E+00	3.15–3.17E+00	4.63–5.11E+00	3.49E+00	4.21–4.85E+00	4.10–4.14E+00	2.71–3.00E+00
145	3.78–3.81E+00	2.53–2.71E+00	3.69–4.15E+00	2.55E+00	3.48–3.61E+00	3.21–3.45E+00	2.04–2.50E+00
146	2.92–2.93E+00	2.04–2.20E+00	3.41–3.46E+00	2.00E+00	2.81–2.87E+00	2.80–2.81E+00	2.80–2.00E+00
147	2.10–2.14E+00	1.62–1.64E+00	2.02–2.30E+00	1.73E+00	2.50–2.57E+00	2.22–2.23E+00	1.70–1.73E+00
148	1.68–1.69E+00	0.59–1.20E+00	1.73–1.80E+00	1.27E+00	1.66–2.09E+00	1.72–1.74E+00	1.20–2.46E+00
149	1.04–1.07E+00	5.18–8.13E-01	1.34–1.47E+00	8.81E-01	1.55–1.70E+00	1.27–1.30E+00	0.90–3.50E+00
150	6.86–7.04E-01	4.44–5.12E-01	0.74–1.02E+00	6.85E-01	0.74–1.17E+00	9.86–9.94E-01	0.70–4.97E+00
151	4.12–4.33E-01	3.58–3.67E-01	4.15–9.06E-01	4.85E-01	7.42–8.10E-01	7.11–7.27E-01	0.53–1.99E+00
152	2.71–3.09E-01	2.58–2.95E-01	3.15–5.60E-01	3.56E-01	3.64–5.97E-01	4.57–4.60E-01	4.00–7.98E-01
153	1.55–1.67E-01	2.04–2.29E-01	2.53–2.86E-01	2.80E-01	1.96–4.24E-01	2.91–3.65E-01	3.15–3.20E-01
154	0.72–1.13E-01	1.27–1.40E-01	1.31–1.40E-01	1.42E-01	1.05–2.89E-01	1.85–1.87E-01	2.50E-01
155	3.95–4.54E-02	7.87–8.55E-02	6.59–9.37E-02	9.20E-02	0.79–1.90E-01	1.29–1.42E-01	1.80E-01
156	1.82–2.03E-02	5.23–5.79E-02	2.97–3.37E-02	7.05E-02	0.61–1.20E-01	0.90–1.00E-01	1.40E-01
157	1.02–1.06E-02	3.26–3.77E-02	1.36–2.34E-02	4.95E-02	2.43–6.41E-02	3.22–4.80E-02	9.26–9.40E-02
158	5.69–6.49E-03	2.04–2.35E-02	0.60–1.12E-02	2.77E-02	1.29–3.30E-02	1.28–2.47E-02	7.99E-02
159	3.01–3.18E-03	1.21–1.27E-02	2.51–4.40E-03	1.63E-02	0.10–1.63E-02	0.65–1.22E-02	6.79E-02
160	0.99–1.13E-03	7.21–7.95E-03	1.01–1.97E-03	9.92E-03	0.37–7.76E-03	2.51–5.79E-03	5.01E-02
161	3.10–3.33E-04	4.98–5.26E-03	3.93–4.93E-04	6.47E-03	0.23–3.55E-03	0.78–2.65E-03	3.50E-02
162	0.58–1.11E-04	2.78–2.99E-03	1.62–2.06E-04	3.86E-03	0.14–1.57E-03	0.30–1.17E-03	2.70E-02
163	0.96–3.78E-05	1.58–1.74E-03	0.64–1.12E-04	2.28E-03	0.56–6.64E-04	1.30–4.94E-04	2.00E-02
164	0.58–1.23E-05	9.76–9.77E-04	2.44–4.50E-05	1.39E-03	0.23–2.71E-04	0.56–2.02E-04	1.60E-02
165	2.31–3.79E-06	5.32–5.38E-04	0.89–1.72E-05	7.54E-04	0.11–1.06E-04	1.92–7.91E-05	1.20E-02
166	0.96–1.12E-06	2.79–2.80E-04	0.31–1.03E-05	4.20E-04	0.25–4.02E-05	1.12–2.98E-05	9.49E-03
167	3.12–3.85E-07	1.84–1.85E-04	1.04–4.87E-06	2.57E-04	0.09–1.46E-05	0.16–1.08E-05	6.99E-03
168	8.32–9.62E-08	1.07–1.22E-04	0.33–1.22E-06	1.48E-04	0.19–5.12E-06	0.40–3.79E-06	5.50E-03
169	2.11–5.77E-08	7.80–8.00E-05	1.03–3.00E-07	1.19E-04	0.07–1.72E-06	0.13–1.27E-06	4.20E-03
170	0.51–1.92E-08	3.25–4.87E-05	3.05–9.08E-08	4.46E-05	0.09–5.58E-07	4.08–4.12E-07	3.20E-03
171	1.18–6.73E-09	1.76–2.96E-05	0.86–3.00E-08	2.47E-05	0.05–1.74E-07	1.21–1.28E-07	2.39E-03
172	0.26–1.92E-09	1.66–1.80E-05	2.35–8.05E-09	1.38E-05	0.09–5.22E-08	0.38–4.68E-07	1.90E-03
173	5.38E-11	6.09E-06	6.13E-10	—	1.51E-08	1.11E-08	—
174	1.07E-11	1.99E-06	1.54E-10	—	4.19E-09	3.08E-09	—
175	2.02E-12	6.31E-07	3.68E-11	—	1.12E-09	8.22E-10	—
176	3.64E-13	1.94E-07	8.49E-12	—	2.88E-10	2.11E-10	—
177	—	5.74E-08	1.87E-12	—	7.12E-11	5.22E-11	—
178	—	1.65E-08	3.97E-13	—	1.70E-11	1.24E-11	—
179	—	4.58E-09	—	—	3.89E-12	2.84E-12	—
180	—	1.23E-09	—	—	8.57E-13	6.26E-13	—
181	—	3.21E-10	—	—	1.82E-13	1.33E-13	—
182	—	8.10E-11	—	—	—	—	—
183	—	1.98E-11	—	—	—	—	—
184	—	4.67E-12	—	—	—	—	—
185	—	1.07E-12	—	—	—	—	—
186	—	2.36E-13	—	—	—	—	—

TABLE 1: Comparison of Mass Chain Yields–Part 4

mass	u237f	np238t	np238f	pu238t	pu238f	u238f	u238h
3	—	—	—	—	—	—	6.50E-03
4	—	—	—	—	—	—	8.23E-02
50	—	—	—	—	—	—	4.76E-12
51	—	—	—	—	—	—	1.67E-11
52	—	—	—	—	—	—	5.69E-11
53	—	—	—	—	—	—	1.89E-10
54	—	1.73E-13	—	—	—	2.30E-13	6.08E-10
55	—	7.57E-13	—	2.72E-13	—	1.15E-12	1.90E-09
56	—	3.21E-12	—	1.15E-12	—	5.51E-12	5.80E-09
57	—	1.31E-11	—	4.67E-12	—	2.54E-11	1.72E-08
58	—	5.17E-11	—	1.84E-11	—	1.12E-10	4.95E-08
59	—	1.97E-10	—	6.96E-11	—	4.78E-10	1.39E-07
60	—	7.23E-10	—	2.55E-10	—	1.96E-09	3.77E-07
61	—	2.56E-09	—	9.00E-10	—	7.70E-09	9.98E-07
62	—	8.76E-09	—	3.07E-09	—	2.91E-08	2.57E-06
63	—	2.89E-08	—	1.01E-08	—	1.06E-07	6.43E-06
64	—	9.21E-08	—	3.20E-08	—	3.70E-07	1.56E-05
65	—	2.83E-07	—	9.82E-08	—	1.24E-06	3.70E-05
66	4.46E-07	8.39E-07	1.29E-07	2.90E-07	1.22E-06	3.71-4.01E-06	7.82-8.50E-05
67	1.39E-06	2.40E-06	5.47E-07	8.28E-07	2.04E-06	0.70-2.15E-05	1.39-1.40E-04
68	1.98E-06	6.64E-06	2.29E-06	2.28E-06	6.12E-06	1.19-2.80E-05	2.73-2.99E-04
69	5.95E-06	1.77E-05	6.97E-06	6.06E-06	2.04E-05	1.93-3.58E-05	5.01-5.19E-04
70	1.19E-05	4.55E-05	1.59E-05	1.55E-05	7.14E-05	3.02-4.41E-05	9.01-9.58E-04
71	2.78E-05	1.13E-04	4.38E-05	3.84E-05	1.83E-04	4.53-4.95E-05	1.59-1.72E-03
72	4.96E-05	2.71E-04	1.59E-04	9.18E-05	4.28E-04	6.05-6.54E-05	2.71-3.00E-03
73	2.98E-04	6.26E-04	2.99E-04	2.11E-04	4.61E-04	1.53-2.06E-04	5.23-5.40E-03
74	9.91E-04	1.40E-03	6.48E-04	4.70E-04	1.27E-03	2.77-3.43E-04	8.01-8.79E-03
75	3.17E-03	3.01E-03	2.89E-03	1.01E-03	2.43E-03	4.62-7.39E-04	1.39-1.39E-02
76	7.33E-03	6.25E-03	5.23E-03	2.09E-03	7.86E-03	0.80-1.53E-03	2.14-2.20E-02
77	1.79E-02	1.25E-02	1.45E-02	4.18E-03	2.13E-02	3.06-3.30E-03	3.13-3.20E-02
78	4.66E-02	2.43E-02	3.04E-02	8.06E-03	3.65E-02	0.71-1.12E-02	4.12-5.71E-02
79	7.53E-02	4.53E-02	5.78E-02	1.50E-02	6.74E-02	1.58-3.27E-02	0.83-1.33E-01
80	1.29E-01	8.16E-02	9.87E-02	2.69E-02	1.12E-01	3.39-4.27E-02	1.68-2.13E-01
81	2.08E-01	1.42E-01	1.69E-01	4.67E-02	1.82E-01	6.99-8.62E-02	3.33-3.40E-01
82	3.07E-01	2.38E-01	2.39E-01	7.81E-02	2.75E-01	1.39-2.14E-01	4.53-4.95E-01
83	4.77E-01	3.86E-01	3.89E-01	1.26E-01	3.79E-01	2.64-3.96E-01	6.68-7.20E-01
84	9.27E-01	6.03E-01	6.83E-01	1.97E-01	6.13E-01	4.83-8.26E-01	1.12-1.26E+00
85	9.65E-01	9.10E-01	7.08E-01	2.95E-01	7.10E-01	7.43-8.51E-01	1.01-1.06E+00
86	1.55E+00	1.12E+00	1.15E+00	4.29E-01	1.04E+00	1.17-1.30E+00	1.57-1.76E+00
87	1.79E+00	1.38E+00	1.44E+00	6.00E-01	1.19E+00	1.62-1.63E+00	1.69-1.83E+00
88	2.74E+00	1.89E+00	1.80E+00	9.42E-01	1.60E+00	2.03-2.14E+00	2.01-2.18E+00
89	3.39E+00	2.27E+00	2.30E+00	1.48E+00	2.07E+00	2.76-2.90E+00	2.77-2.92E+00
90	3.92E+00	3.03E+00	2.67E+00	1.94E+00	2.43E+00	3.25-3.31E+00	3.19-3.27E+00
91	4.39E+00	3.46E+00	3.22E+00	2.55E+00	2.95E+00	4.04-4.26E+00	3.69-3.87E+00
92	4.81E+00	4.09E+00	3.68E+00	3.22E+00	3.48E+00	4.31-4.36E+00	3.78-3.88E+00
93	5.30E+00	4.64E+00	4.38E+00	3.60E+00	4.11E+00	4.91-5.18E+00	4.32-4.53E+00
94	5.46E+00	5.09E+00	4.85E+00	4.75E+00	4.74E+00	4.61-5.14E+00	4.69-4.95E+00
95	5.61E+00	5.30E+00	5.04E+00	5.53E+00	4.42E+00	5.14-5.24E+00	4.70-4.89E+00
96	5.80E+00	5.45E+00	5.42E+00	5.63E+00	5.34E+00	6.02-6.05E+00	4.94-5.58E+00
97	5.88E+00	5.80E+00	5.65E+00	5.73E+00	5.66E+00	5.56-5.69E+00	5.20-5.28E+00
98	5.94E+00	5.76E+00	5.70E+00	5.92E+00	5.62E+00	5.82-5.94E+00	5.46-5.49E+00
99	6.20E+00	6.35E+00	6.16E+00	6.11E+00	6.11E+00	6.17-6.25E+00	5.71-5.79E+00
100	5.94E+00	6.52E+00	6.10E+00	6.47E+00	6.11E+00	6.63-6.70E+00	5.00-5.80E+00
101	5.80E+00	6.53E+00	6.06E+00	6.84E+00	6.05E+00	6.21-6.46E+00	5.70-5.80E+00
102	5.69E+00	6.54E+00	6.15E+00	7.36E+00	6.14E+00	6.24-6.45E+00	4.33-4.62E+00
103	4.95E+00	6.40E+00	5.82E+00	7.91E+00	5.90E+00	6.04-6.28E+00	4.49-4.62E+00
104	4.64E+00	5.66E+00	5.71E+00	6.87E+00	5.71E+00	4.76-5.04E+00	3.59-4.03E+00
105	2.69E+00	4.45E+00	4.24E+00	5.80E+00	4.76E+00	3.76-4.05E+00	3.15-3.22E+00
106	2.06E+00	3.26E+00	3.84E+00	4.64E+00	4.24E+00	2.49-2.54E+00	2.45-2.53E+00
107	1.12E+00	1.98E+00	2.44E+00	3.34E+00	3.01E+00	1.45-1.79E+00	1.69-1.76E+00
108	4.96E-01	1.16E+00	1.66E+00	2.21E+00	2.14E+00	5.44-6.01E-01	1.22-1.53E+00
109	1.79E-01	6.20E-01	8.98E-01	1.40E+00	1.22E+00	1.65-2.52E-01	1.12-1.33E+00
110	1.29E-01	3.10E-01	4.78E-01	6.88E-01	6.08E-01	1.06-1.41E-01	1.03-1.16E+00
111	6.94E-02	1.62E-01	2.29E-01	3.48E-01	3.06E-01	6.85-7.12E-02	0.99-1.01E+00
112	5.95E-02	8.82E-02	1.29E-01	1.82E-01	1.63E-01	4.13-5.59E-02	1.02-1.03E+00
113	4.37E-02	4.94E-02	6.99E-02	9.81E-02	8.24E-02	3.20-4.61E-02	9.10-9.14E-01
114	3.67E-02	2.85E-02	7.36E-02	5.46E-02	8.16E-02	3.49-3.93E-02	7.19-9.05E-01
115	4.16E-02	1.73E-02	7.12E-02	3.19E-02	8.34E-02	3.75-3.81E-02	8.57-8.99E-01
116	3.47E-02	1.14E-02	6.08E-02	2.05E-02	7.51E-02	3.40-3.93E-02	6.76-8.93E-01
117	3.48E-02	8.59E-03	6.09E-02	1.50E-02	7.50E-02	3.06-3.77E-02	6.05-8.86E-01
118	3.58E-02	7.65E-03	5.98E-02	1.31E-02	7.44E-02	2.75-4.32E-02	8.31-8.80E-01
119	3.47E-02	8.15E-03	5.83E-02	1.36E-02	7.29E-02	2.46-3.97E-02	7.26-9.37E-01
120	3.47E-02	1.03E-02	5.93E-02	1.68E-02	7.49E-02	2.21-3.87E-02	7.77-9.97E-01
121	3.66E-02	1.51E-02	6.15E-02	2.39E-02	7.78E-02	2.00-3.69E-02	0.83-1.06E+00
122	4.45E-02	2.44E-02	6.44E-02	3.73E-02	8.24E-02	1.80-4.11E-02	0.85-1.09E+00
123	5.64E-02	4.18E-02	7.21E-02	6.17E-02	9.28E-02	1.72-4.45E-02	0.92-1.12E+00
124	7.13E-02	7.41E-02	8.32E-02	1.05E-01	1.10E-01	1.79-4.65E-02	1.03-1.19E+00
125	1.19E-01	1.35E-01	1.26E-01	1.85E-01	1.50E-01	2.08-4.85E-02	1.20-1.27E+00
126	1.78E-01	2.55E-01	1.85E-01	3.36E-01	2.30E-01	5.41-9.00E-02	1.33-1.36E+00





TABLE 1: Comparison of Mass Chain Yields–Part 5

mass	u238s	pu239t	pu239f	pu239h	pu239e	pu240t	pu240f
1	—	4.08E-03	—	—	—	—	—
2	—	1.35E-03	—	—	—	—	—
3	—	1.44E-02	1.41E-02	—	—	—	—
4	—	2.08E-01	2.03E-01	—	—	—	—
6	—	4.10E-03	—	—	—	—	—
7	—	1.40E-04	—	—	—	—	—
8	—	6.87E-05	—	—	—	—	—
9	—	1.14E-04	—	—	—	—	—
10	—	1.05E-03	—	—	—	—	—
11	—	7.52E-05	—	—	—	—	—
12	—	4.73E-05	—	—	—	—	—
13	—	2.79E-05	—	—	—	—	—
14	—	3.01E-04	—	—	—	—	—
15	—	7.52E-05	—	—	—	—	—
16	—	7.52E-05	—	—	—	—	—
20	—	1.72E-05	—	—	—	—	—
53	—	—	1.63E-13	—	—	—	1.38E-13
54	—	3.19E-13	6.84E-13	—	—	—	5.37E-13
55	—	1.25E-12	2.77E-12	—	—	—	2.03E-12
56	—	4.75E-12	1.09E-11	—	—	—	7.41E-12
57	2.89E-13	1.75E-11	4.12E-11	—	—	—	2.63E-11
58	1.24E-12	6.22E-11	1.51E-10	—	—	—	9.03E-11
59	5.15E-12	2.15E-10	5.36E-10	—	—	—	3.01E-10
60	2.05E-11	7.17E-10	1.84E-09	—	—	—	9.75E-10
61	7.88E-11	2.32E-09	6.12E-09	—	—	—	3.06E-09
62	2.91E-10	7.27E-09	1.97E-08	—	—	—	9.29E-09
63	1.03E-09	2.21E-08	6.12E-08	—	—	—	2.74E-08
64	3.53E-09	6.48E-08	1.84E-07	—	—	—	7.84E-08
65	1.16E-08	1.85E-07	5.36E-07	—	—	—	2.17E-07
66	8.13E-11-3.68E-08	2.21-5.09E-07	0.87-1.51E-06	6.23E-05	—	1.60E-07	5.85-8.88E-07
67	2.45E-10-1.12E-07	0.45-1.36E-06	2.87-4.12E-06	9.82E-05	—	3.10E-07	1.33-1.52E-06
68	8.13E-10-3.28E-07	1.62-3.51E-06	0.84-1.09E-05	2.17E-04	—	9.39E-07	3.11-3.86E-06
69	0.02-9.26E-07	5.89-8.80E-06	2.77-3.12E-05	3.71E-04	—	2.98E-06	4.88-9.46E-06
70	8.13E-09-2.51E-06	1.99-2.13E-05	6.83-8.69E-05	6.70E-04	—	9.99E-06	1.19-2.25E-05
71	0.02-6.56E-06	3.67-5.01E-05	1.63-2.03E-04	1.20E-03	—	1.80E-05	3.41-5.19E-05
72	8.13E-08-1.65E-05	1.14-1.22E-04	3.77-5.20E-04	2.18E-03	1.01E-04	5.99E-05	1.09-1.16E-04
73	0.03-3.99E-05	2.62-2.82E-04	7.06-8.42E-04	3.76E-03	—	1.50E-04	2.69-3.09E-04
74	0.08-9.27E-05	6.36-6.77E-04	1.74-1.82E-03	5.88E-03	—	3.00E-04	6.07-7.84E-04
75	0.02-2.08E-04	1.37-1.57E-03	2.55-3.81E-03	1.02E-02	—	8.99E-04	1.32-1.70E-03
76	0.08-4.47E-04	2.94-3.53E-03	5.81-7.71E-03	1.64E-02	—	1.80E-03	2.81-4.09E-03
77	0.25-9.27E-04	7.23-7.70E-03	1.27-1.51E-02	2.37E-02	—	5.89E-03	0.58-1.08E-02
78	0.08-1.85E-03	1.88-2.92E-02	2.29-2.73E-02	4.15E-02	—	1.70E-02	1.15-2.22E-02
79	0.34-3.55E-03	4.37-5.40E-02	4.76-6.08E-02	8.63E-02	—	1.60E-02	2.22-4.17E-02
80	0.82-6.56E-03	9.39-9.97E-02	8.04-9.25E-02	1.57E-01	—	3.90E-02	4.16-7.11E-02
81	0.40-1.17E-02	1.84-1.84E-01	1.31-1.42E-01	2.72E-01	—	1.10E-01	0.75-1.18E-01
82	1.22-1.99E-02	2.28-2.30E-01	2.08-2.19E-01	3.50E-01	—	1.20E-01	1.33-1.73E-01
83	2.91-3.28E-02	2.82-2.97E-01	3.16-3.18E-01	4.74E-01	—	2.50E-01	2.26-2.27E-01
84	1.07-1.22E-01	4.70-4.80E-01	4.99-5.01E-01	7.98E-01	—	4.22E-01	3.87-3.90E-01
85	0.81-3.33E-01	5.74-5.90E-01	6.04-6.16E-01	9.66E-01	—	4.70E-01	4.33-4.37E-01
86	9.09-9.85E-01	7.66-7.68E-01	7.89-7.94E-01	1.14E+00	—	6.84E-01	6.26-6.30E-01
87	1.42-1.55E+00	0.95-1.00E+00	1.01-1.04E+00	1.10-1.31E+00	8.53E-01	8.38E-01	8.56-8.63E-01
88	2.21-2.59E+00	1.29-1.33E+00	1.33-1.40E+00	1.41-1.91E+00	1.26E+00	1.20E+00	9.75-9.79E-01
89	3.45-3.96E+00	1.69-1.72E+00	1.69-1.73E+00	1.82-2.07E+00	—	1.32E+00	1.41-1.49E+00
90	5.43-6.24E+00	1.99-2.10E+00	2.05-2.06E+00	1.92-2.10E+00	—	1.84E+00	1.80-1.82E+00
91	5.82-8.30E+00	2.44-2.49E+00	2.52-2.57E+00	2.04-2.24E+00	—	2.21E+00	2.19-2.24E+00
92	0.59-1.10E+01	3.00-3.01E+00	3.03-3.04E+00	2.91E+00	—	2.68E+00	2.68-2.69E+00
93	6.22-9.62E+00	3.80-3.85E+00	3.82-3.83E+00	3.23E+00	—	3.46E+00	3.51-3.60E+00
94	6.50-9.16E+00	4.32-4.36E+00	4.23-4.30E+00	3.49E+00	—	3.90E+00	3.93-3.95E+00
95	6.61-8.45E+00	4.82-4.96E+00	4.65-4.67E+00	3.93-3.96E+00	—	4.69E+00	4.44-4.47E+00
96	6.68-7.61E+00	4.89-4.95E+00	4.86-4.89E+00	4.07-4.37E+00	—	4.73E+00	4.73-4.76E+00
97	6.54-6.82E+00	5.23-5.41E+00	4.89-5.30E+00	4.19-4.56E+00	5.23E+00	5.17E+00	5.17-5.22E+00
98	6.24-6.50E+00	5.83-6.18E+00	5.63-5.69E+00	4.59-4.86E+00	—	5.95E+00	5.50-5.54E+00
99	5.89-6.07E+00	6.20-6.21E+00	5.86-5.98E+00	4.75-5.03E+00	—	5.97E+00	5.93-6.18E+00
100	5.12-6.13E+00	6.77-7.39E+00	6.54-6.66E+00	5.12E+00	—	6.70E+00	6.81-6.88E+00
101	4.32-6.54E+00	6.02-6.27E+00	6.67-6.88E+00	5.00E+00	—	5.93E+00	6.48-6.62E+00
102	3.37-6.16E+00	6.13-6.30E+00	6.73-6.97E+00	5.48E+00	—	6.16E+00	6.67-6.82E+00
103	2.35-4.56E+00	6.96-6.99E+00	6.59-6.83E+00	5.21-5.35E+00	—	5.97E+00	6.61-7.09E+00
104	1.64-3.74E+00	6.09-6.19E+00	6.58-6.77E+00	4.80-5.44E+00	—	6.11E+00	6.84-7.03E+00
105	0.79-1.15E+00	5.64-5.82E+00	5.29-5.36E+00	4.27-4.30E+00	5.78E+00	5.66E+00	5.58-5.74E+00
106	2.70-3.30E-01	4.21-4.35E+00	4.14-4.37E+00	3.58-4.16E+00	4.18E+00	5.27E+00	5.09-5.23E+00
107	1.39-1.75E-01	3.23-3.33E+00	2.98-3.22E+00	2.86-3.38E+00	3.02E+00	4.20E+00	3.66-3.93E+00
108	8.13-8.72E-02	2.09-2.16E+00	2.00-2.15E+00	2.40-2.75E+00	—	3.27E+00	2.57-2.80E+00
109	1.19-4.34E-02	1.48-1.84E+00	1.04-1.55E+00	2.24-2.48E+00	—	2.15E+00	1.75-1.80E+00
110	0.98-2.30E-02	6.30-6.45E-01	6.47-7.78E-01	1.74-1.92E+00	—	1.46E+00	9.41-9.50E-01
111	0.86-1.34E-02	2.96-3.08E-01	3.57-3.91E-01	1.55-1.65E+00	2.37E-01	3.99E-01	4.87-5.01E-01
112	5.86-8.83E-03	1.29-1.29E-01	1.40-1.89E-01	1.19-1.39E+00	—	2.00E-01	2.28-2.34E-01
113	5.10-6.52E-03	8.12-8.17E-02	1.28-1.33E-01	1.19-1.30E+00	—	1.10E-01	1.50-1.59E-01
114	4.11-5.36E-03	5.40-6.03E-02	9.43-9.87E-02	1.20-1.26E+00	—	9.99E-02	0.91-1.02E-01
115	3.83-4.79E-03	3.65-4.26E-02	7.76-8.14E-02	1.20-1.27E+00	2.41E-02	6.99E-02	6.13-6.50E-02



TABLE 1: Comparison of Mass Chain Yields–Part 6

mass	pu240h	pu240s	am241t	am241f	am241h	pu241t	pu241f
3	—	—	—	—	—	1.41E-02	—
4	—	3.19E-01	—	—	—	2.01E-01	—
52	—	—	1.92E-13	3.08E-13	—	—	2.00E-13
53	—	—	7.17E-13	1.15E-12	—	—	7.49E-13
54	—	—	2.61E-12	4.17E-12	—	1.63E-13	2.73E-12
55	—	3.90E-13	9.20E-12	1.47E-11	—	5.77E-13	9.66E-12
56	—	1.55E-12	3.16E-11	5.05E-11	—	1.99E-12	3.32E-11
57	—	5.95E-12	1.05E-10	1.68E-10	—	6.65E-12	1.11E-10
58	—	2.21E-11	3.42E-10	5.45E-10	—	2.16E-11	3.61E-10
59	—	7.95E-11	1.08E-09	1.72E-09	—	6.82E-11	1.14E-09
60	—	2.76E-10	3.29E-09	5.24E-09	—	2.09E-10	3.49E-09
61	—	9.31E-10	9.80E-09	1.56E-08	—	6.25E-10	1.04E-08
62	—	3.03E-09	2.83E-08	4.50E-08	—	1.81E-09	3.01E-08
63	—	9.55E-09	7.95E-08	1.26E-07	—	5.10E-09	8.47E-08
64	—	2.91E-08	2.17E-07	3.44E-07	—	1.40E-08	2.32E-07
65	—	8.58E-08	5.75E-07	9.12E-07	—	3.71E-08	6.16E-07
66	6.04–6.18E-05	2.45E-07	0.14–1.48E-06	0.93–2.35E-06	3.39E-04	0.96–1.67E-07	0.19–1.59E-06
67	1.31–1.32E-04	6.76E-07	0.25–3.71E-06	1.87–5.88E-06	7.26E-04	2.41–5.05E-07	1.31–3.99E-06
68	2.45E-04	1.81E-06	0.58–9.04E-06	0.57–1.43E-05	1.16E-03	0.59–1.41E-06	2.82–9.72E-06
69	5.01E-04	4.67E-06	0.13–2.14E-05	0.93–3.37E-05	1.94E-03	1.39–3.64E-06	1.03–2.30E-05
70	1.00E-03	1.17E-05	0.46–4.91E-05	2.08–7.74E-05	3.20E-03	0.32–1.40E-05	3.28–5.30E-05
71	2.15E-03	2.82E-05	0.07–1.10E-04	0.33–1.73E-04	4.84E-03	0.72–5.24E-05	0.85–1.19E-04
72	4.47–4.57E-03	6.61E-05	0.10–2.38E-04	1.35–3.74E-04	8.72E-03	1.56–2.43E-05	1.50–2.58E-04
73	8.34–8.40E-03	1.50E-04	0.40–5.01E-04	3.49–7.89E-04	1.36E-02	3.31–5.78E-05	4.78–5.45E-04
74	1.63E-02	3.28E-04	0.09–1.03E-03	0.68–1.61E-03	2.13E-02	6.80–9.48E-05	1.12–1.13E-03
75	3.27E-02	6.95E-04	0.25–2.04E-03	1.35–3.21E-03	2.71E-02	1.36–2.84E-04	2.23–2.82E-03
76	5.22E-02	1.43E-03	0.52–3.96E-03	3.64–6.20E-03	3.89E-02	2.63–9.48E-04	4.32–5.63E-03
77	7.62E-02	2.83E-03	3.38–7.44E-03	0.87–1.16E-02	5.87E-02	0.50–1.90E-03	8.14–9.69E-03
78	1.10E-01	5.43E-03	0.71–1.36E-02	1.85–2.13E-02	7.75E-02	0.14–1.15E-02	1.49–1.84E-02
79	1.59E-01	1.01E-02	1.19–2.41E-02	3.44–3.77E-02	1.07E-01	0.41–1.50E-02	2.65–3.59E-02
80	2.22E-01	1.81E-02	2.18–4.16E-02	6.16–6.50E-02	1.81E-01	1.13–2.92E-02	4.58–6.49E-02
81	2.99E-01	3.15E-02	4.37–6.97E-02	0.96–1.09E-01	2.49E-01	3.02–6.21E-02	7.69–9.24E-02
82	4.02E-01	5.30E-02	0.64–1.13E-01	1.58–1.77E-01	3.54E-01	0.78–1.37E-01	1.25–1.43E-01
83	5.08E-01	8.62E-02	1.77–1.80E-01	2.36–2.80E-01	4.64E-01	1.98–2.02E-01	1.99–2.04E-01
84	6.60E-01	1.36E-01	2.76–2.78E-01	3.54–4.30E-01	5.94E-01	3.51–3.53E-01	3.49–3.57E-01
85	8.33E-01	2.07E-01	3.18–3.40E-01	5.10–6.42E-01	7.82E-01	3.89–4.06E-01	4.09–4.47E-01
86	1.05E+00	3.05E-01	4.19–4.44E-01	6.55–9.32E-01	9.49E-01	5.95–6.01E-01	5.58–5.99E-01
87	1.22–1.25E+00	4.34E-01	5.49–6.98E-01	0.85–1.31E+00	1.05–1.08E+00	7.27–7.53E-01	7.66–8.02E-01
88	1.39–1.49E+00	5.99E-01	7.19–7.69E-01	1.27–1.80E+00	1.07–1.21E+00	9.72–9.90E-01	9.67–9.89E-01
89	1.74–1.75E+00	8.00E-01	0.99–1.05E+00	1.36–2.12E+00	1.33–1.54E+00	1.19–1.23E+00	1.22–1.28E+00
90	1.94–1.95E+00	1.10E+00	1.37–1.37E+00	1.72–2.41E+00	1.65–1.74E+00	1.50–1.54E+00	1.54–1.55E+00
91	2.44–2.45E+00	1.51E+00	1.77–1.85E+00	2.13–2.68E+00	2.04–2.04E+00	1.69–1.86E+00	1.91–1.93E+00
92	2.84–2.87E+00	2.08E+00	2.01–2.13E+00	2.89–2.94E+00	2.15–2.22E+00	2.22–2.31E+00	2.36–2.39E+00
93	2.88–2.90E+00	2.77E+00	2.69–2.71E+00	2.82–3.39E+00	2.34–2.42E+00	2.87–2.98E+00	2.98–2.98E+00
94	3.26–3.49E+00	3.58E+00	3.19–3.29E+00	3.69–3.86E+00	2.55–2.60E+00	3.31–3.39E+00	3.31–3.39E+00
95	3.68–3.70E+00	4.47E+00	3.98–3.98E+00	3.75–4.28E+00	3.12–3.14E+00	3.93–3.94E+00	3.79–3.89E+00
96	3.92–4.14E+00	5.44E+00	4.26–4.47E+00	4.63–4.74E+00	3.26–3.28E+00	4.30–4.40E+00	4.29–4.37E+00
97	4.18–4.28E+00	6.48E+00	5.01–5.27E+00	4.64–4.89E+00	3.39–3.55E+00	4.70–4.80E+00	4.46–4.62E+00
98	4.50–4.76E+00	6.65E+00	5.75–5.88E+00	5.12–5.45E+00	3.85–3.94E+00	5.04–5.24E+00	4.80–4.93E+00
99	4.85–4.87E+00	6.82E+00	6.59–6.62E+00	5.36–5.40E+00	4.34–4.36E+00	5.83–5.96E+00	5.53–5.53E+00
100	5.21E+00	7.31E+00	6.25–6.70E+00	5.57–5.91E+00	4.57E+00	6.25–7.13E+00	5.96–6.20E+00
101	5.40E+00	7.94E+00	6.00–6.89E+00	5.86–6.10E+00	4.78E+00	5.94–6.23E+00	6.35–6.47E+00
102	5.44E+00	8.51E+00	6.18–7.12E+00	6.06–6.19E+00	4.89E+00	6.42–6.66E+00	6.72–6.87E+00
103	5.27–5.29E+00	8.70E+00	6.23–7.23E+00	6.42–6.45E+00	5.04–5.07E+00	6.78–7.02E+00	6.51–6.94E+00
104	4.97–5.22E+00	8.25E+00	6.22–6.89E+00	5.35–6.02E+00	4.63–4.73E+00	6.97–7.18E+00	7.16–7.31E+00
105	4.70–4.75E+00	7.10E+00	6.57–6.64E+00	5.29–5.34E+00	4.73–4.76E+00	5.95–6.07E+00	6.58–6.62E+00
106	4.00–4.02E+00	4.97E+00	5.53–5.96E+00	4.76–4.81E+00	4.10–4.12E+00	6.08–6.10E+00	6.12–6.24E+00
107	3.15–3.32E+00	3.13E+00	4.27–5.27E+00	3.73–5.13E+00	3.78–3.80E+00	4.88–4.89E+00	4.79–4.91E+00
108	2.64–2.76E+00	1.78E+00	3.02–4.25E+00	2.93–4.12E+00	3.51–3.51E+00	3.77–3.89E+00	3.44–3.54E+00
109	2.29–2.30E+00	9.40E-01	1.96–2.49E+00	2.30–2.34E+00	3.22–3.24E+00	2.59–2.73E+00	2.26–2.35E+00
110	1.95–1.95E+00	1.81E-01	1.28–1.49E+00	1.51–2.05E+00	2.74–2.88E+00	1.13–1.33E+00	1.39–1.40E+00
111	1.66–1.67E+00	3.50E-02	8.37–9.51E-01	0.99–1.00E+00	2.31–2.33E+00	4.66–5.86E-01	6.45–8.02E-01
112	1.56–1.57E+00	2.19E-02	5.47–5.60E-01	7.44–7.44E-01	2.42–2.42E+00	1.93–2.18E-01	3.18–4.50E-01
113	1.41–1.72E+00	1.46E-02	1.97–2.50E-01	2.86–4.45E-01	2.21–2.47E+00	1.52–1.84E-01	2.13–2.50E-01
114	1.25–1.28E+00	1.05E-02	1.06–1.49E-01	1.35–2.67E-01	1.84–1.96E+00	0.71–1.37E-01	1.17–1.41E-01
115	1.16–1.19E+00	8.16E-03	4.49–5.11E-02	1.60–1.60E-01	1.72–1.73E+00	0.38–1.03E-01	0.81–1.09E-01
116	1.00–1.07E+00	6.93E-03	2.83–3.98E-02	0.94–1.03E-01	1.54E+00	2.78–7.71E-02	4.72–9.69E-02
117	8.58–8.62E-01	6.42E-03	1.78–3.19E-02	5.65–9.24E-02	1.50E+00	2.36–5.78E-02	2.83–8.80E-02
118	4.95–9.85E-01	6.44E-03	1.16–3.60E-02	3.66–9.24E-02	1.45E+00	2.32–4.46E-02	1.81–8.34E-02
119	1.00E+00	6.91E-03	0.90–2.79E-02	2.79–8.73E-02	1.45E+00	2.32–4.00E-02	1.35–8.24E-02
120	1.07E+00	7.90E-03	1.00–2.59E-02	2.75–8.73E-02	1.54E+00	2.56–5.07E-02	1.30–8.65E-02
121	1.17E+00	9.66E-03	1.57–2.62E-02	3.48–9.36E-02	1.60E+00	2.59–9.20E-02	1.60–9.16E-02
122	1.25E+00	1.28E-02	2.84–2.94E-02	5.06–9.92E-02	1.79E+00	0.26–1.06E-01	2.30–9.47E-02
123	1.37E+00	1.86E-02	3.98–5.30E-02	0.78–1.14E-01	1.91E+00	0.27–1.38E-01	0.35–1.02E-01
124	1.54E+00	2.93E-02	5.04–9.86E-02	1.24–1.26E-01	2.30E+00	0.32–1.86E-01	0.56–1.13E-01
125	1.57–1.61E+00	5.02E-02	0.82–1.84E-01	1.93–2.00E-01	2.35E+00	0.47–2.62E-01	0.90–1.51E-01
126	1.75–2.07E+00	9.25E-02	1.70–3.45E-01	2.62–3.25E-01	3.58E+00	0.82–3.82E-01	1.55–2.24E-01
127	1.95–2.00E+00	1.80E-01	5.86–6.50E-01	3.80–5.29E-01	2.23–2.32E+00	2.32–5.83E-01	3.05–3.32E-01
128	2.92E+00	3.62E-01	9.27–9.30E-01	6.04–6.14E-01	2.91E+00	3.79–8.60E-01	5.70–6.59E-01

TABLE 1: Comparison of Mass Chain Yields–Part 6

mass	pu240h	pu240s	am241t	am241f	am241h	pu241t	pu241f
129	2.86E+00	<b>7.18E-01</b>	<b>1.32</b> -1.36E+00	<b>1.02</b> - <b>1.34E+00</b>	3.60E+00	<b>0.82</b> - <b>1.38E+00</b>	<b>1.17</b> - <b>1.61E+00</b>
130	4.31E+00	<b>1.35E+00</b>	<b>2.12</b> -2.23E+00	<b>1.87</b> - <b>2.40E+00</b>	4.60E+00	<b>1.82</b> - <b>2.16E+00</b>	<b>1.86</b> - <b>2.26E+00</b>
131	<b>4.45</b> -4.46E+00	<b>2.34E+00</b>	<b>3.40</b> -3.56E+00	<b>4.16</b> -4.17E+00	<b>4.45</b> -4.47E+00	<b>3.07</b> -3.10E+00	<b>3.17</b> -3.36E+00
132	<b>3.55</b> -4.59E+00	<b>4.38E+00</b>	<b>4.34</b> -4.78E+00	<b>4.32</b> - <b>5.80E+00</b>	<b>3.77</b> - <b>4.52E+00</b>	<b>4.53</b> -4.56E+00	<b>4.60</b> -4.71E+00
133	<b>5.38</b> -5.55E+00	<b>8.20E+00</b>	<b>5.51</b> - <b>5.74E+00</b>	<b>5.82</b> - <b>5.86E+00</b>	<b>4.60</b> -4.63E+00	<b>6.60</b> -6.73E+00	<b>6.46</b> - <b>6.68E+00</b>
134	<b>5.47</b> - <b>5.58E+00</b>	<b>7.54E+00</b>	<b>6.11</b> -7.24E+00	<b>7.35</b> -7.83E+00	<b>4.55</b> -5.28E+00	<b>7.58</b> -7.92E+00	<b>7.54</b> - <b>7.72E+00</b>
135	<b>5.34</b> - <b>5.79E+00</b>	<b>6.94E+00</b>	<b>6.56</b> -7.01E+00	<b>6.51</b> - <b>7.46E+00</b>	<b>4.49</b> -4.74E+00	<b>7.09</b> -7.17E+00	<b>7.07</b> - <b>7.30E+00</b>
136	<b>5.09</b> -5.78E+00	<b>6.93E+00</b>	<b>7.23</b> -7.93E+00	<b>6.90</b> -7.80E+00	<b>4.37</b> -6.22E+00	<b>6.78</b> -7.11E+00	<b>6.69</b> - <b>6.93E+00</b>
137	<b>4.48</b> -4.54E+00	<b>6.64E+00</b>	<b>6.42</b> - <b>7.21E+00</b>	<b>5.84</b> - <b>6.29E+00</b>	<b>4.25</b> -4.39E+00	<b>6.41</b> -6.65E+00	<b>6.39</b> - <b>6.55E+00</b>
138	<b>5.19</b> -5.45E+00	<b>6.32E+00</b>	<b>6.92</b> -6.93E+00	<b>6.30</b> -6.66E+00	<b>4.13</b> -4.40E+00	<b>6.49</b> -6.61E+00	<b>6.15</b> - <b>6.31E+00</b>
139	<b>4.56</b> -4.58E+00	<b>6.10E+00</b>	<b>6.67</b> - <b>7.21E+00</b>	<b>6.36</b> -6.75E+00	<b>4.02</b> -4.08E+00	<b>6.04</b> -6.22E+00	<b>6.21</b> -6.31E+00
140	<b>3.77</b> -3.85E+00	<b>5.99E+00</b>	<b>5.84</b> -5.94E+00	<b>5.84</b> -5.94E+00	<b>3.34</b> -3.53E+00	<b>5.77</b> - <b>5.78E+00</b>	<b>5.31</b> - <b>5.36E+00</b>
141	<b>3.57</b> -3.59E+00	<b>6.02E+00</b>	<b>4.79</b> - <b>4.80E+00</b>	<b>4.66</b> -4.72E+00	<b>3.23</b> -3.24E+00	<b>4.88</b> -4.91E+00	<b>4.68</b> -5.08E+00
142	<b>3.88</b> -3.90E+00	<b>5.36E+00</b>	<b>4.72</b> - <b>4.80E+00</b>	<b>4.05</b> -5.45E+00	<b>2.96</b> -3.04E+00	<b>4.73</b> -4.75E+00	<b>4.63</b> - <b>4.66E+00</b>
143	<b>3.09</b> -3.10E+00	<b>4.78E+00</b>	<b>3.67</b> - <b>3.80E+00</b>	<b>3.67</b> -3.89E+00	<b>2.69</b> -2.70E+00	<b>4.41</b> -4.58E+00	<b>4.61</b> -4.67E+00
144	<b>2.65</b> -2.67E+00	<b>3.57E+00</b>	<b>3.37</b> -3.49E+00	<b>3.38</b> -3.41E+00	<b>2.49</b> -2.53E+00	<b>4.12</b> -4.23E+00	<b>4.17</b> - <b>4.19E+00</b>
145	<b>2.69</b> - <b>2.69E+00</b>	<b>2.58E+00</b>	<b>3.21</b> -3.31E+00	<b>3.01</b> -3.45E+00	<b>2.24</b> -2.25E+00	<b>3.15</b> -3.26E+00	<b>3.29</b> -3.33E+00
146	<b>2.13</b> - <b>2.19E+00</b>	<b>1.80E+00</b>	<b>2.55</b> -2.65E+00	<b>2.65</b> -2.92E+00	<b>2.01</b> -2.03E+00	<b>2.65</b> -2.77E+00	<b>2.74</b> -2.81E+00
147	<b>1.78</b> -1.79E+00	<b>1.22E+00</b>	<b>2.02</b> -2.03E+00	<b>2.13</b> -2.15E+00	<b>1.81</b> -1.82E+00	<b>2.28</b> -2.28E+00	<b>2.22</b> - <b>2.23E+00</b>
148	<b>1.51</b> - <b>1.56E+00</b>	<b>9.72E-01</b>	<b>1.61</b> -1.83E+00	<b>1.77</b> -1.90E+00	<b>1.53</b> -1.59E+00	<b>1.88</b> -1.93E+00	<b>1.95</b> -1.96E+00
149	<b>1.36</b> -1.37E+00	<b>7.49E-01</b>	<b>1.27</b> -1.43E+00	<b>1.55</b> -1.57E+00	<b>1.30</b> -1.31E+00	<b>1.47</b> -1.47E+00	<b>1.46</b> -1.46E+00
150	<b>1.05</b> -1.07E+00	<b>5.58E-01</b>	<b>1.01</b> -1.15E+00	<b>1.20</b> -1.24E+00	<b>1.07</b> -1.24E+00	<b>1.15</b> -1.21E+00	<b>1.20</b> -1.23E+00
151	<b>8.05</b> -8.12E-01	<b>4.03E-01</b>	<b>8.03</b> -8.39E-01	<b>9.42</b> -9.46E-01	<b>8.85</b> -8.97E-01	<b>8.74</b> -9.13E-01	<b>9.11</b> - <b>9.12E-01</b>
152	6.53E-01	<b>2.81E-01</b>	<b>6.78</b> -7.23E-01	<b>8.11</b> - <b>8.50E-01</b>	<b>7.69</b> -8.15E-01	<b>7.18</b> - <b>7.38E-01</b>	<b>7.12</b> -7.32E-01
153	5.80E-01	<b>1.90E-01</b>	<b>5.72</b> -6.02E-01	<b>6.26</b> -6.29E-01	<b>6.68</b> -6.72E-01	<b>5.41</b> - <b>5.47E-01</b>	<b>5.15</b> -5.51E-01
154	4.00E-01	<b>1.24E-01</b>	<b>3.77</b> - <b>4.13E-01</b>	<b>4.27</b> - <b>5.06E-01</b>	<b>4.76</b> -5.30E-01	<b>3.79</b> - <b>4.15E-01</b>	<b>3.72</b> -3.81E-01
155	<b>2.78</b> -2.79E-01	<b>7.83E-02</b>	<b>2.98</b> -3.08E-01	<b>3.98</b> - <b>4.09E-01</b>	<b>3.39</b> -3.42E-01	<b>2.41</b> - <b>4.58E-01</b>	<b>2.49</b> -3.36E-01
156	<b>2.25</b> -2.26E-01	<b>4.79E-02</b>	<b>1.91</b> - <b>2.38E-01</b>	<b>2.62</b> -2.62E-01	<b>2.70</b> -2.74E-01	<b>1.72</b> - <b>3.57E-01</b>	<b>1.61</b> - <b>2.44E-01</b>
157	<b>1.58</b> -1.60E-01	<b>2.83E-02</b>	<b>1.59</b> -1.64E-01	<b>1.46</b> - <b>1.76E-01</b>	<b>1.69</b> -1.79E-01	<b>1.35</b> - <b>2.76E-01</b>	<b>1.02</b> -1.63E-01
158	<b>1.04</b> -1.10E-01	<b>1.62E-02</b>	<b>0.86</b> - <b>1.06E-01</b>	<b>0.97</b> - <b>1.18E-01</b>	<b>1.49</b> -1.54E-01	<b>0.92</b> - <b>2.06E-01</b>	<b>0.62</b> -1.12E-01
159	<b>6.80</b> -7.03E-02	<b>8.97E-03</b>	<b>7.06</b> -7.30E-02	<b>7.94</b> - <b>7.94E-02</b>	<b>1.31</b> -1.33E-01	<b>0.48</b> - <b>1.42E-01</b>	<b>3.72</b> -6.51E-02
160	<b>4.85</b> -5.22E-02	<b>4.81E-03</b>	<b>3.46</b> - <b>3.91E-02</b>	<b>5.45</b> -6.30E-02	<b>8.76</b> - <b>8.87E-02</b>	<b>0.20</b> - <b>1.08E-01</b>	<b>2.15</b> -3.97E-02
161	<b>3.46</b> -3.48E-02	<b>2.49E-03</b>	<b>2.16</b> -2.21E-02	<b>3.74</b> -3.77E-02	<b>6.01</b> -6.07E-02	<b>0.85</b> - <b>7.60E-02</b>	<b>1.21</b> -2.34E-02
162	2.35E-02	<b>1.25E-03</b>	<b>1.05</b> - <b>1.18E-02</b>	<b>0.87</b> - <b>2.04E-02</b>	3.46E-02	<b>1.27E-05</b> - <b>5.20E-02</b>	<b>0.66</b> -1.18E-02
163	1.63E-02	<b>6.06E-04</b>	<b>2.83</b> - <b>6.25E-03</b>	<b>0.26</b> - <b>1.08E-02</b>	2.45E-02	<b>5.90E-06</b> - <b>2.77E-02</b>	<b>3.51</b> -5.23E-03
164	1.02E-02	<b>2.85E-04</b>	<b>0.32</b> - <b>3.22E-03</b>	<b>1.04</b> - <b>5.66E-03</b>	1.74E-02	<b>1.97E-06</b> - <b>1.43E-02</b>	<b>1.81</b> -3.31E-03
165	6.94E-03	<b>1.29E-04</b>	<b>0.10</b> - <b>1.61E-03</b>	<b>0.62</b> - <b>2.78E-03</b>	1.02E-02	<b>6.15E-07</b> - <b>7.17E-03</b>	<b>0.91</b> -1.54E-03
166	4.49E-03	<b>5.68E-05</b>	<b>0.68</b> - <b>7.84E-04</b>	<b>0.24</b> - <b>1.35E-03</b>	7.13E-03	<b>4.14E-07</b> - <b>3.50E-03</b>	<b>4.43</b> -6.21E-04
167	2.86E-03	<b>2.42E-05</b>	<b>0.30</b> - <b>3.70E-04</b>	<b>1.04</b> - <b>6.38E-04</b>	4.08E-03	<b>1.04E-07</b> - <b>1.66E-03</b>	<b>2.10</b> -3.11E-04
168	1.84E-03	<b>9.93E-06</b>	<b>0.14</b> - <b>1.70E-04</b>	<b>0.42</b> - <b>2.93E-04</b>	2.96E-03	<b>0.09</b> - <b>7.64E-04</b>	<b>0.97</b> -1.24E-04
169	<b>1.15</b> -1.15E-03	<b>3.95E-06</b>	<b>0.59</b> - <b>7.59E-05</b>	<b>0.15</b> - <b>1.31E-04</b>	1.94E-03	<b>0.04</b> - <b>3.42E-04</b>	<b>4.32</b> -5.90E-05
170	7.41E-04	<b>1.52E-06</b>	<b>0.17</b> - <b>3.29E-05</b>	<b>0.83</b> - <b>5.65E-05</b>	1.17E-03	<b>0.02</b> - <b>1.49E-04</b>	<b>1.66</b> - <b>1.88E-05</b>
171	5.31E-04	<b>5.67E-07</b>	<b>0.03</b> - <b>1.39E-05</b>	<b>0.49</b> - <b>2.38E-05</b>	7.74E-04	<b>0.02</b> - <b>6.28E-05</b>	<b>5.80</b> - <b>7.93E-06</b>
172	3.67E-04	<b>2.04E-07</b>	<b>0.10</b> - <b>5.68E-06</b>	<b>1.98</b> - <b>9.74E-06</b>	5.10E-04	<b>7.31E-08</b> - <b>2.58E-05</b>	<b>1.66</b> - <b>3.25E-06</b>
173	—	<b>7.13E-08</b>	<b>2.26E-06</b>	<b>3.87E-06</b>	—	<b>1.03E-05</b>	<b>1.30E-06</b>
174	—	<b>2.40E-08</b>	<b>8.75E-07</b>	<b>1.50E-06</b>	—	<b>4.00E-06</b>	<b>5.03E-07</b>
175	—	<b>7.85E-09</b>	<b>3.29E-07</b>	<b>5.62E-07</b>	—	<b>1.51E-06</b>	<b>1.89E-07</b>
176	—	<b>2.48E-09</b>	<b>1.20E-07</b>	<b>2.05E-07</b>	—	<b>5.51E-07</b>	<b>6.92E-08</b>
177	—	<b>7.57E-10</b>	<b>4.26E-08</b>	<b>7.26E-08</b>	—	<b>1.96E-07</b>	<b>2.46E-08</b>
178	—	<b>2.24E-10</b>	<b>1.47E-08</b>	<b>2.50E-08</b>	—	<b>6.78E-08</b>	<b>8.50E-09</b>
179	—	<b>6.40E-11</b>	<b>4.92E-09</b>	<b>8.38E-09</b>	—	<b>2.28E-08</b>	<b>2.85E-09</b>
180	—	<b>1.77E-11</b>	<b>1.60E-09</b>	<b>2.72E-09</b>	—	<b>7.44E-09</b>	<b>9.31E-10</b>
181	—	<b>4.74E-12</b>	<b>5.07E-10</b>	<b>8.61E-10</b>	—	<b>2.36E-09</b>	<b>2.95E-10</b>
182	—	<b>1.23E-12</b>	<b>1.56E-10</b>	<b>2.65E-10</b>	—	<b>7.28E-10</b>	<b>9.09E-11</b>
183	—	<b>3.08E-13</b>	<b>4.65E-11</b>	<b>7.89E-11</b>	—	<b>2.18E-10</b>	<b>2.72E-11</b>
184	—	—	<b>1.35E-11</b>	<b>2.29E-11</b>	—	<b>6.35E-11</b>	<b>7.92E-12</b>
185	—	—	<b>3.81E-12</b>	<b>6.45E-12</b>	—	<b>1.80E-11</b>	<b>2.24E-12</b>
186	—	—	<b>1.05E-12</b>	<b>1.77E-12</b>	—	<b>4.94E-12</b>	<b>6.14E-13</b>
187	—	—	<b>2.78E-13</b>	<b>4.70E-13</b>	—	<b>1.32E-12</b>	<b>1.64E-13</b>
188	—	—	—	<b>1.22E-13</b>	—	<b>3.43E-13</b>	—

TABLE 1: Comparison of Mass Chain Yields–Part 7

mass	am242t	cm242f	cm242s	pu242t	pu242f	pu242h	pu242s
4	—	—	3.60E-01	—	—	—	2.74E-01
51	2.17E-13	—	—	—	1.55E-13	—	—
52	7.81E-13	—	—	—	5.59E-13	—	2.24E-13
53	2.74E-12	—	1.92E-13	—	1.96E-12	—	8.52E-13
54	9.34E-12	—	7.03E-13	—	6.72E-12	—	3.14E-12
55	3.10E-11	—	2.50E-12	—	2.24E-11	—	1.13E-11
56	1.00E-10	—	8.67E-12	—	7.26E-11	—	3.91E-11
57	3.16E-10	—	2.92E-11	—	2.29E-10	—	1.32E-10
58	9.69E-10	—	9.54E-11	—	7.04E-10	—	4.35E-10
59	2.89E-09	—	3.03E-10	—	2.11E-09	—	1.39E-09
60	8.40E-09	—	9.36E-10	—	6.14E-09	—	4.32E-09
61	2.38E-08	—	2.81E-09	—	1.74E-08	—	1.30E-08
62	6.55E-08	—	8.19E-09	—	4.80E-08	—	3.82E-08
63	1.76E-07	—	2.32E-08	—	1.29E-07	—	1.09E-07
64	4.58E-07	—	6.39E-08	—	3.38E-07	—	3.01E-07
65	1.16E-06	—	1.71E-07	—	8.60E-07	—	8.09E-07
66	2.88-9.57E-06	9.98E-07	4.44E-07	4.97E-08	2.13-2.90E-06	2.08E-07	2.11E-06
67	0.69-1.91E-05	2.99E-06	1.12E-06	9.95E-08	5.15-5.79E-06	4.17E-07	5.37E-06
68	1.62-2.87E-05	3.99E-06	2.75E-06	2.29E-07	0.87-1.21E-05	7.33E-07	1.32E-05
69	3.71-5.74E-05	5.99E-06	6.57E-06	4.97E-07	1.16-2.77E-05	1.56E-06	3.18E-05
70	8.24-9.57E-05	1.50E-05	1.52E-05	1.79E-06	2.90-6.17E-05	3.12E-06	7.41E-05
71	1.78-1.91E-04	2.59E-05	3.43E-05	2.69E-06	0.58-1.34E-04	5.22E-06	1.68E-04
72	3.76-4.78E-04	6.39E-05	7.51E-05	9.95E-06	1.25-2.83E-04	1.14E-05	3.69E-04
73	7.70-9.57E-04	2.00E-04	1.60E-04	2.99E-05	2.41-5.81E-04	1.86E-05	7.89E-04
74	1.54-1.72E-03	3.99E-04	3.30E-04	7.96E-05	0.77-1.16E-03	5.22E-05	1.64E-03
75	2.87-2.99E-03	8.98E-04	6.63E-04	1.99E-04	1.16-2.26E-03	5.22E-05	3.31E-03
76	5.65-5.75E-03	1.36E-03	1.29E-03	4.18E-04	2.41-4.29E-03	2.09E-04	6.49E-03
77	0.97-1.04E-02	4.94E-03	2.45E-03	2.69E-03	6.83-7.93E-03	5.18E-03	1.24E-02
78	1.87-1.91E-02	1.30E-02	4.52E-03	6.47E-03	1.35-1.43E-02	1.46E-02	2.29E-02
79	2.94-3.26E-02	2.80E-02	8.10E-03	7.46E-03	2.50-3.38E-02	2.92E-02	4.13E-02
80	4.79-5.54E-02	4.75E-02	1.41E-02	1.99E-02	4.25-5.51E-02	5.54E-02	7.22E-02
81	6.70-9.16E-02	8.59E-02	2.38E-02	4.08E-02	7.05-9.17E-02	9.20E-02	1.23E-01
82	1.15-1.48E-01	1.25E-01	3.91E-02	6.07E-02	1.14-1.26E-01	1.35E-01	2.03E-01
83	2.32-2.48E-01	1.91E-01	6.25E-02	1.40E-01	1.79-1.79E-01	2.19E-01	3.25E-01
84	3.12-3.91E-01	2.90E-01	9.70E-02	2.86E-01	3.44-3.44E-01	3.54E-01	5.07E-01
85	4.21-4.50E-01	4.09E-01	1.46E-01	3.29E-01	3.23-3.23E-01	6.75E-01	7.69E-01
86	5.67-5.71E-01	5.67E-01	2.14E-01	5.01E-01	5.41-5.42E-01	8.30E-01	1.13E+00
87	6.75-7.45E-01	7.90E-01	3.05E-01	6.85E-01	6.23-6.33E-01	0.99-1.00E+00	1.62E+00
88	9.21-9.78E-01	9.60E-01	4.22E-01	8.68E-01	8.26-8.35E-01	1.16-1.18E+00	2.26E+00
89	1.19-1.28E+00	1.22E+00	5.67E-01	9.24E-01	1.10-1.16E+00	1.33-1.35E+00	3.05E+00
90	1.38-1.50E+00	1.52E+00	7.40E-01	1.24E+00	1.36-1.63E+00	1.53-1.66E+00	4.00E+00
91	1.75-1.86E+00	1.89E+00	9.40E-01	1.69E+00	1.80-1.80E+00	2.07-2.12E+00	5.11E+00
92	2.10-2.30E+00	2.27E+00	1.10E+00	2.05E+00	2.15-2.18E+00	2.38-2.40E+00	6.33E+00
93	2.58-2.86E+00	2.66E+00	1.50E+00	2.68E+00	2.81-2.84E+00	2.60-2.65E+00	7.63E+00
94	2.72-3.19E+00	3.36E+00	1.99E+00	3.16E+00	3.13-3.13E+00	2.79-2.83E+00	8.94E+00
95	3.29-3.56E+00	4.02E+00	2.56E+00	3.78E+00	3.60-3.62E+00	3.37-3.39E+00	1.02E+01
96	3.62-4.09E+00	4.63E+00	3.22E+00	4.26E+00	4.28-4.29E+00	3.77-3.86E+00	1.13E+01
97	4.28-4.71E+00	4.84E+00	3.94E+00	4.51E+00	4.46-4.50E+00	4.22-4.25E+00	1.22E+01
98	4.61-5.23E+00	5.21E+00	4.76E+00	5.62E+00	4.83-4.84E+00	4.52-4.56E+00	1.30E+01
99	5.35-5.82E+00	5.43E+00	5.70E+00	6.00E+00	5.43-5.44E+00	4.84-5.13E+00	1.37E+01
100	5.48-6.21E+00	5.65E+00	6.27E+00	6.15E+00	6.08-6.10E+00	5.06E+00	1.44E+01
101	5.87-6.69E+00	5.95E+00	6.98E+00	6.09E+00	5.99-6.03E+00	5.09E+00	1.54E+01
102	6.65-7.25E+00	5.97E+00	7.82E+00	6.13E+00	6.42-6.48E+00	5.37E+00	1.66E+01
103	7.07-7.82E+00	5.94E+00	8.69E+00	6.23E+00	6.54-6.66E+00	5.68E+00	1.78E+01
104	6.95-8.04E+00	5.95E+00	9.35E+00	6.25E+00	6.49-6.84E+00	5.45-5.51E+00	1.85E+01
105	6.95-7.89E+00	5.79E+00	9.50E+00	6.01E+00	6.30-6.97E+00	5.50-5.55E+00	1.82E+01
106	6.16-7.28E+00	5.48E+00	7.40E+00	5.93E+00	5.76-5.81E+00	4.57-5.06E+00	1.68E+01
107	5.38-6.23E+00	5.13E+00	5.41E+00	5.49E+00	4.78-5.03E+00	3.80-3.83E+00	1.42E+01
108	4.11-4.93E+00	4.49E+00	3.96E+00	4.45E+00	3.63-4.40E+00	3.04-3.10E+00	1.10E+01
109	3.59-3.75E+00	3.41E+00	2.90E+00	3.51E+00	2.55-3.19E+00	2.53-2.55E+00	7.84E+00
110	2.12-2.42E+00	2.41E+00	2.00E+00	2.60E+00	1.65-2.08E+00	2.33-2.36E+00	5.16E+00
111	1.18-1.53E+00	1.43E+00	1.38E+00	1.11E+00	1.01-1.22E+00	2.20-2.23E+00	3.19E+00
112	6.22-6.43E-01	7.39E-01	9.50E-01	3.98E-01	5.84-6.54E-01	1.92-1.93E+00	1.90E+00
113	2.52-3.20E-01	3.51E-01	3.10E-01	2.59E-01	3.18-3.29E-01	1.65-1.78E+00	1.13E+00
114	1.05-1.63E-01	1.80E-01	1.01E-01	1.49E-01	1.33-1.83E-01	1.36-1.43E+00	6.80E-01
115	7.37-8.33E-02	1.11E-01	3.30E-02	1.20E-01	1.03-1.09E-01	1.12-1.24E+00	4.27E-01
116	3.88-5.06E-02	9.98E-02	2.42E-02	7.97E-02	5.81-9.75E-02	8.55-9.16E-01	2.82E-01
117	2.94-3.09E-02	9.98E-02	1.89E-02	4.99E-02	3.33-9.83E-02	6.52-8.10E-01	1.98E-01
118	1.94-2.71E-02	8.99E-02	1.60E-02	4.98E-02	1.96-8.78E-02	7.13E-01	1.50E-01
119	1.35-2.33E-02	8.99E-02	1.51E-02	4.98E-02	1.27-8.78E-02	6.11E-01	1.26E-01
120	1.21-2.33E-02	8.49E-02	1.61E-02	3.59E-02	1.04-8.29E-02	6.11E-01	1.19E-01
121	1.50-1.95E-02	8.28E-02	1.95E-02	2.47E-02	1.14-8.20E-02	6.48-6.96E-01	1.28E-01
122	2.32-3.29E-02	9.27E-02	2.65E-02	2.47E-02	1.57-8.39E-02	7.76E-01	1.28E-01
123	3.85-4.38E-02	1.07E-01	3.95E-02	3.17E-02	2.35-8.84E-02	8.81E-01	1.69E-01
124	5.48-6.49E-02	1.18E-01	6.33E-02	4.06E-02	0.36-1.01E-01	1.08E+00	2.36E-01
125	1.04-1.10E-01	1.56E-01	1.07E-01	5.56E-02	0.56-1.29E-01	1.33-1.35E+00	3.17E-01
126	1.69-2.07E-01	2.69E-01	1.90E-01	1.19E-01	1.68-1.75E-01	1.57-1.59E+00	4.37E-01
127	2.67-3.88E-01	3.73E-01	3.50E-01	2.08E-01	2.77-3.40E-01	1.88-1.99E+00	6.84E-01
128	4.14-7.20E-01	6.04E-01	6.74E-01	4.16E-01	5.18-5.46E-01	1.47-2.46E+00	1.12E+00

TABLE 1: Comparison of Mass Chain Yields–Part 7

mass	am242t	cm242f	cm242s	pu242t	pu242f	pu242h	pu242s
129	1.29-1.47E+00	1.01E+00	1.30E+00	8.44E-01	1.16-1.23E+00	2.09-2.66E+00	1.97E+00
130	2.00-2.19E+00	1.91E+00	2.14E+00	1.63E+00	1.92-2.01E+00	1.61-2.94E+00	2.95E+00
131	3.48-3.49E+00	3.46E+00	3.52E+00	2.62E+00	3.11-3.11E+00	3.55-3.78E+00	4.07E+00
132	4.61-4.81E+00	4.89E+00	5.80E+00	3.97E+00	4.48-4.50E+00	5.06-5.27E+00	5.08E+00
133	5.65-5.98E+00	5.65E+00	5.70E+00	5.86E+00	6.65-6.86E+00	5.56-5.58E+00	5.55E+00
134	6.39-7.00E+00	6.30E+00	6.90E+00	7.47E+00	7.32-7.43E+00	5.83-5.93E+00	6.86E+00
135	6.65-6.74E+00	6.76E+00	7.47E+00	7.49E+00	6.96-7.00E+00	5.74-6.18E+00	5.47E+00
136	6.55-6.69E+00	8.30E+00	7.56E+00	7.39E+00	6.88-6.92E+00	5.49-5.56E+00	7.70E+00
137	6.14-6.38E+00	6.98E+00	7.32E+00	6.72E+00	6.32-6.34E+00	5.16-5.25E+00	7.60E+00
138	5.98-6.23E+00	6.44E+00	6.95E+00	6.62E+00	6.20-6.22E+00	5.02-5.23E+00	6.89E+00
139	5.77-6.09E+00	5.78E+00	6.60E+00	6.35E+00	6.01-6.02E+00	4.89-4.96E+00	5.98E+00
140	5.41-5.90E+00	5.37E+00	5.90E+00	6.02E+00	5.45-5.67E+00	4.88-4.91E+00	5.56E+00
141	5.24-5.52E+00	4.77E+00	5.60E+00	5.30E+00	5.02-5.26E+00	4.82-4.86E+00	4.94E+00
142	4.49-5.09E+00	5.38E+00	5.31E+00	4.68E+00	4.60-4.64E+00	4.22-4.31E+00	4.23E+00
143	4.64-4.69E+00	4.97E+00	4.97E+00	4.55E+00	4.55-4.60E+00	3.63-3.66E+00	3.63E+00
144	3.97-4.43E+00	3.95E+00	4.56E+00	4.20E+00	4.26-4.28E+00	3.17E+00	3.19E+00
145	3.35-3.48E+00	3.30E+00	4.07E+00	3.44E+00	3.37-3.41E+00	2.56E+00	2.80E+00
146	2.88-3.05E+00	2.79E+00	3.55E+00	3.55E+00	2.91-2.92E+00	2.16E+00	2.17E+00
147	2.47-2.67E+00	2.18E+00	3.00E+00	2.39E+00	2.37-2.38E+00	1.96E+00	1.66E+00
148	2.13-2.28E+00	1.81E+00	2.47E+00	1.99E+00	2.00-2.02E+00	1.76E+00	1.32E+00
149	1.72-1.94E+00	1.49E+00	1.97E+00	1.60E+00	1.57-1.58E+00	1.59E+00	1.10E+00
150	1.48-1.60E+00	1.24E+00	1.53E+00	1.26E+00	1.32-1.32E+00	1.27E+00	8.30E-01
151	1.13-1.22E+00	9.33E-01	1.15E+00	1.02E+00	9.88-9.98E-01	9.05-9.20E-01	5.46E-01
152	0.94-1.02E+00	7.50E-01	8.46E-01	8.02E-01	7.74-7.90E-01	8.73E-01	3.55E-01
153	7.88-8.29E-01	5.46E-01	6.03E-01	6.24E-01	5.77-6.23E-01	6.59E-01	2.68E-01
154	5.47-5.69E-01	4.08E-01	4.17E-01	4.35E-01	4.30-4.36E-01	4.56E-01	2.11E-01
155	3.61-4.10E-01	2.92E-01	2.81E-01	3.17E-01	2.96-3.28E-01	3.68E-01	1.70E-01
156	2.96-3.28E-01	2.05E-01	1.83E-01	2.38E-01	1.98-2.37E-01	2.71E-01	1.18E-01
157	1.55-1.75E-01	1.36E-01	1.16E-01	1.68E-01	1.29-1.64E-01	1.78E-01	7.20E-02
158	0.88-1.06E-01	8.87E-02	7.19E-02	1.19E-01	0.82-1.09E-01	1.19E-01	5.20E-02
159	5.47-6.25E-02	5.36E-02	4.31E-02	7.92E-02	5.07-6.56E-02	7.36E-02	3.60E-02
160	3.59-3.83E-02	3.42E-02	2.51E-02	5.15E-02	3.05-4.10E-02	4.58E-02	2.30E-02
161	2.00-2.02E-02	1.85E-02	1.42E-02	2.47E-02	1.79-2.37E-02	2.69E-02	1.10E-02
162	1.14-1.31E-02	7.36E-03	7.83E-03	8.91E-03	1.02-1.28E-02	1.40E-02	1.20E-02
163	6.31-6.57E-03	2.46E-03	4.19E-03	3.96E-03	5.47-5.66E-03	6.12E-03	6.45E-03
164	2.19-3.40E-03	1.08E-03	2.18E-03	1.49E-03	1.37-3.06E-03	3.05E-03	3.37E-03
165	1.07-1.79E-03	5.26E-04	1.10E-03	2.98E-04	0.94-1.61E-03	2.03E-03	1.71E-03
166	5.47-9.13E-04	2.14E-04	5.39E-04	1.39E-04	4.56-8.25E-04	1.03E-03	8.44E-04
167	2.19-4.54E-04	7.80E-05	2.57E-04	3.96E-05	1.82-4.11E-04	3.98E-04	4.05E-04
168	1.09-2.20E-04	2.44E-05	1.19E-04	1.29E-05	0.73-2.00E-04	1.73E-04	1.88E-04
169	0.88-1.04E-04	1.46E-05	5.37E-05	3.46E-06	4.38-9.44E-05	9.68E-05	8.53E-05
170	4.38-4.76E-05	1.01E-05	2.35E-05	1.98E-06	2.10-4.35E-05	4.59E-05	3.75E-05
171	2.13-2.19E-05	4.48E-06	9.98E-06	9.90E-07	1.19-1.95E-05	1.97E-05	1.60E-05
172	0.93-1.09E-05	2.73E-06	4.13E-06	4.95E-07	6.38-8.49E-06	1.53E-05	6.66E-06
173	3.92E-06	—	1.66E-06	—	3.61E-06	—	2.69E-06
174	1.62E-06	—	6.46E-07	—	1.49E-06	—	1.05E-06
175	6.49E-07	—	2.45E-07	—	6.00E-07	—	4.02E-07
176	2.54E-07	—	9.02E-08	—	2.35E-07	—	1.49E-07
177	9.66E-08	—	3.23E-08	—	8.97E-08	—	5.35E-08
178	3.58E-08	—	1.12E-08	—	3.33E-08	—	1.87E-08
179	1.29E-08	—	3.80E-09	—	1.20E-08	—	6.36E-09
180	4.53E-09	—	1.25E-09	—	4.24E-09	—	2.10E-09
181	1.55E-09	—	3.98E-10	—	1.45E-09	—	6.74E-10
182	5.15E-10	—	1.23E-10	—	4.85E-10	—	2.10E-10
183	1.67E-10	—	3.72E-11	—	1.57E-10	—	6.37E-11
184	5.26E-11	—	1.09E-11	—	4.98E-11	—	1.87E-11
185	1.62E-11	—	3.10E-12	—	1.53E-11	—	5.36E-12
186	4.83E-12	—	8.57E-13	—	4.59E-12	—	1.49E-12
187	1.41E-12	—	2.30E-13	—	1.34E-12	—	4.03E-13
188	3.98E-13	—	—	—	3.80E-13	—	1.06E-13
189	1.10E-13	—	—	—	1.05E-13	—	—

TABLE 1: Comparison of Mass Chain Yields–Part 8

mass	am243f	cm243t	cm243f	cm244f	cm244s	cm245t	cm246f
1	—	—	—	—	1.22E-02	—	—
3	—	—	—	—	2.20E-02	—	—
4	—	—	—	—	2.85E-01	—	—
50	—	—	—	—	—	6.43E-13	1.71E-12
51	—	2.56E-13	—	—	1.20E-13	1.99E-12	5.04E-12
52	—	8.67E-13	—	—	4.08E-13	6.01E-12	1.45E-11
53	—	2.86E-12	—	—	1.36E-12	1.78E-11	4.11E-11
54	—	9.20E-12	—	—	4.41E-12	5.14E-11	1.14E-10
55	—	2.89E-11	—	—	1.40E-11	1.45E-10	3.08E-10
56	—	8.83E-11	—	—	4.32E-11	4.02E-10	8.18E-10
57	—	2.63E-10	—	—	1.30E-10	1.09E-09	2.13E-09
58	—	7.66E-10	—	—	3.82E-10	2.88E-09	5.41E-09
59	—	2.17E-09	—	—	1.09E-09	7.45E-09	1.35E-08
60	—	6.02E-09	—	—	3.05E-09	1.89E-08	3.29E-08
61	—	1.62E-08	—	—	8.31E-09	4.67E-08	7.87E-08
62	—	4.27E-08	—	—	2.21E-08	1.13E-07	1.84E-07
63	—	1.10E-07	—	—	5.72E-08	2.68E-07	4.23E-07
64	—	2.74E-07	—	—	1.45E-07	6.20E-07	9.49E-07
65	—	6.69E-07	—	—	3.56E-07	1.40E-06	2.09E-06
66	4.99E-07	1.59–3.42E-06	9.50E-06	7.30E-06	0.09–3.98E-05	1.04–3.11E-06	4.11–4.49E-06
67	8.98E-07	3.70–8.56E-06	1.80E-05	1.30E-05	0.20–6.57E-05	2.09–6.74E-06	7.53–9.47E-06
68	2.20E-06	0.84–2.12E-05	3.40E-05	2.50E-05	0.46–9.96E-05	0.42–1.43E-05	1.40–1.96E-05
69	4.99E-06	1.85–4.70E-05	6.70E-05	4.80E-05	0.10–1.49E-04	1.04–2.96E-05	2.91–3.95E-05
70	1.60E-05	3.97–8.56E-05	1.40E-04	9.61E-05	0.22–2.49E-04	2.61–6.01E-05	5.72–7.83E-05
71	2.50E-05	0.83–1.70E-04	2.70E-04	1.90E-04	0.47–3.98E-04	0.58–1.19E-04	1.10–1.52E-04
72	4.99E-05	1.71–3.76E-04	5.30E-04	3.80E-04	0.97–6.57E-04	1.04–2.31E-04	2.31–2.89E-04
73	1.20E-04	3.41–6.70E-04	1.00E-03	7.30E-04	1.95–9.97E-04	2.09–4.38E-04	4.51–5.37E-04
74	2.80E-04	0.66–1.71E-03	2.00E-03	1.40E-03	0.38–1.49E-03	4.60–8.13E-04	8.63–9.77E-04
75	6.99E-04	1.26–4.24E-03	3.70E-03	2.60E-03	0.73–2.57E-03	0.77–1.48E-03	1.60–1.74E-03
76	1.30E-03	2.33–8.58E-03	6.65E-03	4.82E-03	1.37–3.99E-03	2.09–2.62E-03	3.01–3.04E-03
77	2.90E-03	0.42–1.78E-02	1.20E-02	8.50E-03	2.50–4.75E-03	4.54–5.16E-03	5.21–5.31E-03
78	4.99E-03	0.74–2.99E-02	2.00E-02	1.50E-02	5.05–9.96E-03	0.85–1.04E-02	8.72–9.43E-03
79	1.90E-02	1.27–5.13E-02	3.40E-02	2.50E-02	0.99–1.69E-02	1.55–2.04E-02	1.43–1.61E-02
80	3.90E-02	2.13–8.56E-02	5.50E-02	4.10E-02	1.91–2.69E-02	2.77–3.66E-02	2.30–2.71E-02
81	6.49E-02	0.35–1.59E-01	8.70E-02	6.60E-02	3.57–4.48E-02	4.85–6.27E-02	3.62–4.32E-02
82	1.00E-01	0.55–2.46E-01	1.33E-01	1.01E-01	6.52–7.07E-02	0.83–1.05E-01	5.57–6.84E-02
83	1.70E-01	0.86–3.56E-01	2.00E-01	1.60E-01	1.16–1.16E-01	1.39–1.91E-01	0.84–1.00E-01
84	2.53E-01	1.30–4.22E-01	3.01E-01	2.31E-01	1.16–1.66E-01	2.70–2.90E-01	1.24–1.63E-01
85	3.60E-01	1.92–4.07E-01	4.20E-01	3.30E-01	2.21–2.34E-01	2.94–3.48E-01	1.80–2.31E-01
86	5.03E-01	2.76–5.51E-01	5.86E-01	4.64E-01	2.03–3.21E-01	4.17–4.74E-01	2.55–3.24E-01
87	6.74E-01	3.87–7.18E-01	7.83E-01	6.34E-01	3.69–4.30E-01	5.00–5.08E-01	3.53–4.57E-01
88	8.76E-01	5.30–7.77E-01	1.00E+00	8.44E-01	4.49–5.62E-01	6.15–6.45E-01	4.80–6.21E-01
89	1.12E+00	0.71–1.06E+00	1.30E+00	1.10E+00	7.15–7.16E-01	7.90–8.57E-01	6.39–8.09E-01
90	1.37E+00	0.92–1.14E+00	1.60E+00	1.40E+00	8.07–8.08E-01	0.91–1.08E+00	0.83–1.00E+00
91	1.75E+00	1.16–1.17E+00	1.90E+00	1.70E+00	8.25–8.25E-01	0.88–1.09E+00	1.06–1.30E+00
92	2.11E+00	1.38–1.45E+00	2.30E+00	2.01E+00	1.01–1.10E+00	1.29–1.46E+00	1.33–1.61E+00
93	2.58E+00	1.76–1.79E+00	2.61E+00	2.42E+00	1.22–1.30E+00	1.69–1.82E+00	1.63–1.95E+00
94	3.14E+00	2.21–2.34E+00	3.00E+00	2.80E+00	1.43–1.50E+00	1.64–2.00E+00	1.95–2.21E+00
95	3.74E+00	2.81–2.89E+00	3.23E+00	3.02E+00	1.63–1.63E+00	2.35–2.38E+00	2.29–2.33E+00
96	4.45E+00	3.24–3.35E+00	3.62E+00	3.61E+00	2.23–2.50E+00	2.70–2.82E+00	2.56–2.91E+00
97	4.68E+00	3.73–3.96E+00	4.00E+00	4.10E+00	3.04–3.06E+00	2.90–3.06E+00	2.81–3.31E+00
98	5.09E+00	4.44–4.74E+00	4.40E+00	4.61E+00	3.38–3.50E+00	3.34–3.68E+00	3.02–3.82E+00
99	5.40E+00	5.02–5.28E+00	4.90E+00	5.10E+00	3.76–3.90E+00	3.65–4.17E+00	3.20–4.31E+00
100	5.45E+00	5.43–5.87E+00	5.50E+00	5.70E+00	4.36–4.99E+00	4.56–4.94E+00	3.36–4.91E+00
101	5.92E+00	5.95–6.53E+00	6.10E+00	6.20E+00	5.06–5.79E+00	5.70–5.76E+00	3.51–5.41E+00
102	5.99E+00	6.62–8.70E+00	6.60E+00	6.50E+00	5.91–6.89E+00	5.80–5.96E+00	3.65–6.01E+00
103	5.91E+00	6.08–6.42E+00	6.90E+00	6.70E+00	6.93–6.94E+00	6.29–6.33E+00	3.82–6.41E+00
104	5.99E+00	6.71–7.02E+00	6.90E+00	6.70E+00	7.69–8.01E+00	6.67–6.75E+00	3.99–6.72E+00
105	5.87E+00	6.20–6.38E+00	6.60E+00	6.40E+00	9.24–9.29E+00	6.40–6.41E+00	4.15–6.81E+00
106	5.62E+00	5.53–5.91E+00	6.00E+00	5.90E+00	7.40–7.40E+00	5.56–5.74E+00	4.25–6.61E+00
107	5.25E+00	5.67–5.78E+00	5.20E+00	5.20E+00	6.50–6.99E+00	5.50–5.58E+00	4.21–6.21E+00
108	4.94E+00	3.33–4.31E+00	4.20E+00	4.30E+00	5.71–5.99E+00	5.50–5.74E+00	4.01–5.51E+00
109	3.78E+00	4.11–4.34E+00	3.20E+00	3.40E+00	5.01–5.02E+00	4.61–4.66E+00	3.62–4.71E+00
110	2.82E+00	2.63–3.42E+00	2.20E+00	2.60E+00	3.80–3.99E+00	4.01–4.72E+00	3.10–3.81E+00
111	1.75E+00	1.85–2.69E+00	1.50E+00	1.90E+00	2.87–2.88E+00	3.49–4.01E+00	2.50–2.90E+00
112	9.29E-01	2.12–2.36E+00	9.60E-01	1.30E+00	2.03–2.05E+00	3.01–3.42E+00	1.91–2.11E+00
113	4.21E-01	0.47–1.16E+00	5.90E-01	8.50E-01	7.90–8.81E-01	2.04–2.48E+00	1.38–1.50E+00
114	2.20E-01	1.78–6.38E-01	3.50E-01	5.40E-01	3.98–4.51E-01	1.09–1.80E+00	0.95–1.00E+00
115	1.02E-01	1.63–3.50E-01	2.10E-01	3.40E-01	2.58–2.58E-01	5.60–6.00E-01	6.28–6.51E-01
116	9.98E-02	0.69–2.13E-01	1.30E-01	2.10E-01	0.70–1.58E-01	2.17–2.56E-01	4.01–4.05E-01
117	9.99E-02	0.46–1.31E-01	8.80E-02	1.40E-01	0.30–1.00E-01	1.09–1.43E-01	2.50–2.58E-01
118	9.49E-02	3.23–8.21E-02	6.80E-02	9.50E-02	1.00–6.71E-02	4.77–8.46E-02	1.50–1.65E-01
119	8.99E-02	2.73–5.4E-02	6.00E-02	7.40E-02	0.50–4.83E-02	2.17–5.26E-02	0.98–1.08E-01
120	8.49E-02	3.52–4.45E-02	5.70E-02	6.50E-02	0.20–3.88E-02	1.08–3.71E-02	7.02–7.44E-02
121	8.48E-02	3.74–4.69E-02	5.90E-02	6.40E-02	0.13–3.62E-02	0.63–3.11E-02	5.72–5.78E-02
122	9.47E-02	5.41–6.28E-02	6.54E-02	7.03E-02	0.24–3.91E-02	0.96–5.33E-02	5.41–5.62E-02
123	9.97E-02	6.11–9.52E-02	7.94E-02	8.62E-02	0.49–4.80E-02	1.75–6.33E-02	6.18–6.42E-02
124	1.20E-01	0.73–1.51E-01	1.10E-01	1.19E-01	0.88–6.40E-02	3.51–7.10E-02	8.15–8.60E-02
125	1.30E-01	1.02–2.43E-01	2.11E-01	1.79E-01	1.55–9.03E-02	7.41–9.35E-02	1.16–1.17E-01





TABLE 1: Comparison of Mass Chain Yields–Part 9

mass	cm246s	cm248f	cm248s	cf249t	cf250s	cf251t	cf252s
1	—	—	—	—	9.00E-03	—	6.09E-03
2	—	—	—	—	—	—	1.50E-03
3	—	—	—	—	2.70E-02	—	2.24E-02
4	—	—	—	—	3.98E-01	—	3.10E-01
6	—	—	—	—	—	—	5.30E-03
8	—	—	—	—	—	—	1.53E-04
50	4.42E-13	9.78E-12	1.62E-12	4.15E-11	1.26E-11	7.58E-11	2.15E-11
51	1.38E-12	2.63E-11	4.59E-12	1.07E-10	3.25E-11	1.81E-10	5.15E-11
52	4.19E-12	6.96E-11	1.27E-11	2.70E-10	8.25E-11	4.26E-10	1.21E-10
53	1.25E-11	1.81E-10	3.46E-11	6.71E-10	2.06E-10	9.85E-10	2.82E-10
54	3.63E-11	4.59E-10	9.23E-11	1.64E-09	5.05E-10	2.24E-09	6.43E-10
55	1.04E-10	1.15E-09	2.41E-10	3.93E-09	1.22E-09	5.02E-09	1.45E-09
56	2.89E-10	2.81E-09	6.18E-10	9.26E-09	2.89E-09	1.11E-08	3.20E-09
57	7.86E-10	6.77E-09	1.55E-09	2.14E-08	6.71E-09	2.40E-08	6.96E-09
58	2.10E-09	1.60E-08	3.82E-09	4.87E-08	1.54E-08	5.14E-08	1.49E-08
59	5.46E-09	3.71E-08	9.23E-09	1.09E-07	3.45E-08	1.08E-07	3.15E-08
60	1.39E-08	8.44E-08	2.18E-08	2.39E-07	7.60E-08	2.24E-07	6.53E-08
61	3.47E-08	1.88E-07	5.07E-08	5.16E-07	1.65E-07	4.55E-07	1.33E-07
62	8.47E-08	4.13E-07	1.15E-07	1.09E-06	3.51E-07	9.13E-07	2.68E-07
63	2.02E-07	8.89E-07	2.57E-07	2.28E-06	7.35E-07	1.80E-06	5.31E-07
64	4.72E-07	1.88E-06	5.63E-07	4.66E-06	1.51E-06	3.50E-06	1.03E-06
65	1.08E-06	3.89E-06	1.21E-06	9.36E-06	3.05E-06	6.68E-06	1.98E-06
66	0.24–2.16E-05	2.08–7.91E-06	0.03–4.39E-04	0.03–1.85E-05	6.05E-06–1.96E-03	1.26–9.35E-05	0.05–3.74E-06
67	0.05–4.41E-04	0.37–1.58E-05	0.05–5.49E-04	0.05–3.58E-05	0.01–2.46E-03	0.23–1.40E-04	0.14–6.94E-06
68	0.11–4.21E-04	0.68–3.10E-05	0.11–7.69E-04	0.30–6.83E-05	0.02–2.95E-03	0.42–1.87E-04	0.04–1.27E-05
69	0.23–8.15E-04	1.29–5.95E-05	0.21–9.88E-04	0.06–1.28E-04	0.04–3.73E-03	0.76–2.81E-04	0.10–2.28E-05
70	0.48–8.01E-04	0.26–1.12E-04	0.04–1.39E-03	0.31–2.35E-04	0.08–4.92E-03	1.34–3.74E-04	0.24–4.03E-05
71	0.10–1.11E-03	0.53–2.08E-04	0.08–1.87E-03	0.54–4.25E-04	0.14–5.90E-03	2.33–4.68E-04	0.60–7.03E-05
72	0.19–1.50E-03	1.09–3.79E-04	0.14–2.42E-03	1.09–7.55E-04	0.25–7.86E-03	3.98–6.55E-04	0.14–1.20E-04
73	0.36–2.10E-03	2.08–6.76E-04	0.27–3.21E-03	0.21–1.32E-03	0.45–9.88E-03	6.69–9.54E-04	0.32–2.03E-04
74	0.66–2.87E-03	0.40–1.18E-03	0.48–4.39E-03	0.53–2.26E-03	0.08–1.28E-02	1.11–1.22E-03	0.71–3.38E-04
75	1.22–4.16E-03	0.76–2.04E-03	0.84–5.93E-03	0.96–3.80E-03	0.13–1.67E-02	1.78–1.80E-03	1.52–5.52E-04
76	2.17–5.71E-03	1.39–3.44E-03	1.45–7.69E-03	1.91–6.29E-03	0.22–1.97E-02	2.34–2.89E-03	3.17–8.87E-04
77	3.80–7.49E-03	2.58–5.69E-03	0.25–1.07E-02	0.46–1.02E-02	0.35–2.55E-02	3.34–4.57E-03	0.62–1.40E-03
78	0.65–1.19E-02	4.65–9.26E-03	0.41–1.43E-02	0.82–1.63E-02	0.57–3.24E-02	4.68–7.09E-03	2.06–2.19E-03
79	1.09–1.72E-02	0.80–1.48E-02	0.66–1.87E-02	1.85–2.56E-02	0.89–4.23E-02	0.58–1.08E-02	3.44–4.24E-03
80	1.78–2.56E-02	1.39–2.31E-02	1.05–2.53E-02	3.03–3.95E-02	1.39–5.01E-02	0.84–1.63E-02	4.78–8.09E-03
81	2.84–3.92E-02	2.28–3.56E-02	1.65–3.51E-02	4.80–5.98E-02	2.11–6.88E-02	1.12–2.42E-02	0.83–1.52E-02
82	4.45–5.71E-02	3.67–5.37E-02	2.53–4.63E-02	7.58–8.89E-02	3.15–8.96E-02	1.56–3.52E-02	1.53–2.81E-02
83	6.81–8.31E-02	5.76–7.95E-02	3.80–4.56E-02	1.30–1.30E-01	4.63–9.66E-02	2.19–5.05E-02	4.14–5.10E-02
84	1.00–1.02E-01	0.92–1.15E-01	7.40–7.67E-02	1.71–1.90E-01	0.82–1.60E-01	2.85–7.13E-02	6.58–8.50E-02
85	1.49–1.60E-01	1.29–1.65E-01	0.96–1.00E-01	2.26–2.51E-01	1.12–2.23E-01	4.30–9.91E-02	1.09–1.10E-01
86	1.84–2.13E-01	1.90–2.31E-01	1.61–1.66E-01	2.62–3.37E-01	1.40–2.87E-01	0.57–1.36E-01	1.27–1.56E-01
87	2.93–2.99E-01	2.81–3.17E-01	2.15–2.22E-01	3.65–4.22E-01	2.11–2.87E-01	0.75–1.82E-01	2.15–2.16E-01
88	3.65–4.09E-01	3.86–4.28E-01	2.78–3.05E-01	4.52–5.21E-01	3.18–3.46E-01	1.04–2.41E-01	2.99–3.16E-01
89	5.49–5.69E-01	5.27–5.66E-01	4.20–4.35E-01	4.55–5.53E-01	4.77–4.80E-01	1.51–3.15E-01	3.35–3.63E-01
90	6.35–7.19E-01	6.78–7.36E-01	4.82–5.00E-01	5.89–5.96E-01	5.14–5.27E-01	2.96–4.04E-01	4.36–5.22E-01
91	7.01–9.21E-01	8.76–9.38E-01	5.94–5.96E-01	6.63–8.28E-01	5.67–5.79E-01	5.10–5.20E-01	5.69–5.97E-01
92	0.97–1.15E+00	1.10–1.17E+00	7.84–8.59E-01	6.68–8.91E-01	7.41–7.73E-01	5.81–6.06E-01	6.48–6.84E-01
93	1.24–1.41E+00	1.44–1.44E+00	1.01–1.20E+00	1.04–1.08E+00	9.33–9.52E-01	7.02–7.20E-01	9.16–9.23E-01
94	1.46–1.70E+00	1.72–1.74E+00	1.29–1.50E+00	1.20–1.25E+00	1.14–1.15E+00	7.50–8.44E-01	1.05–1.08E+00
95	1.98–1.99E+00	2.05–2.06E+00	1.60–1.63E+00	1.48–1.51E+00	1.40–1.48E+00	9.79–9.90E-01	1.23–1.24E+00
96	2.17–2.28E+00	2.29–2.30E+00	2.03–2.10E+00	1.67–1.68E+00	1.50–1.53E+00	1.26–1.43E+00	1.42–1.60E+00
97	2.36–2.37E+00	2.50–2.69E+00	2.57–2.62E+00	2.08–2.09E+00	1.58–1.61E+00	1.61–1.65E+00	1.65–1.67E+00
98	3.17–3.33E+00	2.68–3.09E+00	3.22–3.29E+00	2.31–2.32E+00	2.30–2.48E+00	2.20–2.28E+00	2.08–2.30E+00
99	4.23–4.24E+00	2.84–3.59E+00	4.12–4.20E+00	2.80–2.80E+00	3.28–3.30E+00	3.22–3.29E+00	2.63–2.64E+00
100	4.72–4.79E+00	2.97–4.09E+00	4.50–4.51E+00	3.22–3.24E+00	3.57–3.63E+00	3.39–3.49E+00	3.23–3.45E+00
101	5.39–5.47E+00	3.07–4.68E+00	4.78–5.25E+00	3.62–3.69E+00	3.99–4.01E+00	3.75–3.87E+00	3.93–3.95E+00
102	6.07–6.14E+00	3.17–5.37E+00	5.06–5.46E+00	4.19–4.21E+00	4.59–4.96E+00	4.00–4.26E+00	4.04–4.70E+00
103	6.84–6.86E+00	3.26–5.97E+00	5.37–5.51E+00	4.79–4.93E+00	5.27–5.30E+00	4.25–4.35E+00	5.45–5.59E+00
104	6.84–6.95E+00	3.36–6.50E+00	5.83–6.31E+00	5.09–5.13E+00	6.47–6.56E+00	4.52–4.55E+00	5.49–5.66E+00
105	6.80–6.82E+00	3.46–6.88E+00	6.32–6.40E+00	5.34–5.43E+00	6.42–6.59E+00	4.79–4.84E+00	6.14–6.21E+00
106	6.73–7.23E+00	3.55–6.96E+00	6.17–6.18E+00	5.41–5.62E+00	6.83–7.03E+00	4.93–4.96E+00	6.27–6.31E+00
107	6.61–7.38E+00	3.57–6.76E+00	6.09–6.29E+00	5.70–5.70E+00	7.27–7.33E+00	5.11–5.22E+00	6.62–6.62E+00
108	6.01–7.19E+00	3.50–6.37E+00	6.00–6.09E+00	5.73–5.77E+00	6.83–6.94E+00	5.19–5.32E+00	6.11–6.30E+00
109	5.51–6.61E+00	3.32–5.79E+00	5.91–6.06E+00	5.55–5.58E+00	6.33–6.37E+00	5.16–5.23E+00	5.94–5.99E+00
110	4.85–5.71E+00	3.02–4.97E+00	5.54–5.77E+00	5.38–5.41E+00	5.63–5.95E+00	5.04–5.23E+00	5.57–5.90E+00
111	4.31–4.64E+00	2.61–4.08E+00	5.19–5.42E+00	5.09–5.50E+00	4.93–4.97E+00	4.93–5.02E+00	5.19–5.19E+00
112	4.03–4.05E+00	2.15–3.18E+00	4.27–4.68E+00	4.64–4.93E+00	3.72–4.10E+00	5.24–5.33E+00	4.14–5.14E+00
113	1.75–2.86E+00	1.68–2.39E+00	2.66–2.82E+00	4.17–4.22E+00	3.51–3.56E+00	3.65–4.46E+00	4.62–4.78E+00
114	1.24–1.94E+00	1.26–1.69E+00	1.98–2.10E+00	3.53–3.62E+00	2.47–2.63E+00	3.98–4.51E+00	3.33–3.65E+00
115	0.81–1.28E+00	0.90–1.09E+00	1.39–1.39E+00	2.90–2.99E+00	1.95–2.05E+00	4.34–4.56E+00	2.88–2.90E+00
116	0.71–8.36E-01	6.17–7.35E-01	0.77–6.81E-01	2.19–2.20E+00	0.99–1.19E+00	3.17–3.63E+00	1.98–2.13E+00
117	0.25–5.52E-01	4.13–4.58E-01	0.21–3.28E-01	1.58–1.83E+00	4.85–4.94E-01	2.24–2.90E+00	1.37–1.50E+00
118	0.09–3.75E-01	2.73–2.78E-01	0.07–1.58E-01	1.02–1.04E+00	1.97–2.35E-01	1.54–1.91E+00	7.08–9.94E-01
119	0.04–2.67E-01	1.69–1.80E-01	0.32–7.78E-02	6.10–6.15E-01	1.14–1.18E-01	1.05–1.24E+00	3.61–3.84E-01
120	0.02–2.06E-01	1.09–1.22E-01	0.21–4.00E-02	3.85–4.27E-01	5.62–5.90E-02	7.11–7.63E-01	1.84–2.39E-01
121	0.02–1.79E-01	7.25–8.74E-02	0.18–2.21E-02	2.06–2.07E-01	2.70–2.90E-02	4.92–4.97E-01	0.96–1.18E-01
122	0.02–1.79E-01	5.74–6.98E-02	0.16–1.36E-02	1.65–1.80E-01	1.97–2.31E-02	2.81–3.38E-01	6.91–8.85E-02

TABLE 1: Comparison of Mass Chain Yields–Part 9

mass	cm246s	cm248f	cm248s	cf249t	cf250s	cf251t	cf252s
123	0.03–2.06E-01	5.54–6.49E-02	1.87–9.49E-03	1.41–1.68E-01	1.87–2.03E-02	1.96–2.50E-01	4.09–5.31E-02
124	0.04–2.65E-01	6.63–7.09E-02	2.06–7.52E-03	1.37–1.80E-01	1.88–2.00E-02	1.87–2.06E-01	2.54–4.47E-02
125	0.10–3.66E-01	8.73–8.76E-02	6.51–6.60E-03	2.07–2.30E-01	2.13–2.20E-02	1.90–3.81E-01	1.77–4.16E-02
126	0.35–5.29E-01	1.37–1.48E-01	1.33–1.43E-02	3.60–4.46E-01	4.40–5.01E-02	3.35–5.07E-01	2.77–4.26E-02
127	1.05–7.85E-01	2.20–2.38E-01	3.10–3.12E-02	5.64–5.89E-01	1.13–1.14E-01	5.90–6.09E-01	0.47–1.06E-01
128	0.25–1.17E+00	3.58–3.95E-01	1.00–1.02E-01	7.84–7.93E-01	2.13–2.15E-01	7.09–7.29E-01	1.93–2.46E-01
129	0.57–1.73E+00	5.77–6.34E-01	3.20–3.22E-01	1.63–2.19E+00	3.97–4.00E-01	9.00–9.30E-01	5.65–5.89E-01
130	1.79–2.47E+00	9.07–9.91E-01	0.86–2.03E+00	1.49–1.97E+00	6.98–8.80E-01	1.22–1.26E+00	8.47–9.90E-01
131	3.33–3.39E+00	1.38–1.49E+00	2.32–2.62E+00	3.13–3.17E+00	1.22–1.70E+00	1.77–1.84E+00	1.60–1.74E+00
132	4.65–4.68E+00	2.01–2.08E+00	3.90–4.34E+00	4.16–4.18E+00	1.80–2.46E+00	3.22–4.30E+00	2.15–2.31E+00
133	5.71–5.81E+00	2.79–2.88E+00	5.10–5.26E+00	4.95–5.25E+00	3.74–3.90E+00	3.88–3.91E+00	3.15–3.34E+00
134	5.83–6.05E+00	3.69–3.80E+00	4.89–4.99E+00	4.57–5.39E+00	2.81–4.16E+00	3.97–4.85E+00	3.90–4.33E+00
135	6.31–6.63E+00	4.64–4.70E+00	5.62–5.74E+00	3.84–5.42E+00	4.03–4.64E+00	4.06–4.43E+00	4.08–4.19E+00
136	6.80–7.00E+00	5.55–5.76E+00	4.55–4.85E+00	4.45–5.66E+00	3.30–4.98E+00	4.43–5.67E+00	4.19–4.50E+00
137	6.76–6.99E+00	6.36–6.36E+00	6.05–6.08E+00	5.15–5.70E+00	4.09–5.45E+00	4.64–5.71E+00	4.97–5.02E+00
138	6.66–6.95E+00	6.65–6.75E+00	6.12–6.53E+00	4.34–5.40E+00	5.08–5.74E+00	4.69–5.78E+00	5.31–5.56E+00
139	6.29–6.77E+00	6.76–6.97E+00	6.20–6.22E+00	6.03–6.11E+00	6.19–6.30E+00	4.58–5.66E+00	5.85–5.90E+00
140	6.37–6.54E+00	6.74–6.86E+00	5.82–5.97E+00	5.18–5.32E+00	5.25–5.42E+00	4.36–4.51E+00	5.81–5.96E+00
141	5.32–5.47E+00	6.62–6.65E+00	5.61–5.76E+00	5.43–5.54E+00	5.85–5.89E+00	4.79–4.92E+00	5.97–6.25E+00
142	5.53–5.74E+00	6.08–6.09E+00	6.28–6.30E+00	4.39–4.47E+00	6.54–6.66E+00	4.85–5.46E+00	5.91–6.03E+00
143	5.31–5.46E+00	5.56–5.59E+00	5.44–5.48E+00	4.70–4.72E+00	5.57–5.66E+00	4.91–5.08E+00	6.25–6.41E+00
144	5.05–5.19E+00	5.05–5.08E+00	5.83–5.89E+00	4.32–4.41E+00	4.74–4.89E+00	4.52–5.05E+00	5.90–6.05E+00
145	3.51–4.13E+00	4.28–4.58E+00	4.44–4.76E+00	3.54–3.56E+00	4.51–4.94E+00	4.15–4.95E+00	5.05–5.60E+00
146	2.91–3.29E+00	3.78–4.10E+00	3.74–3.86E+00	3.22–3.35E+00	4.16–4.45E+00	3.82–4.24E+00	4.43–5.46E+00
147	2.57–2.62E+00	3.28–3.63E+00	3.12–3.13E+00	2.75–2.86E+00	3.81–3.83E+00	3.49–3.51E+00	4.28–4.30E+00
148	1.98–2.27E+00	2.79–3.16E+00	2.52–2.63E+00	2.26–2.43E+00	3.46–3.54E+00	3.24–3.35E+00	3.95–4.81E+00
149	1.54–1.93E+00	2.38–2.72E+00	1.99–2.03E+00	2.05–2.15E+00	3.26–3.27E+00	3.00–3.02E+00	2.61–2.72E+00
150	1.12–1.61E+00	2.08–2.29E+00	1.52–1.55E+00	1.76–1.90E+00	2.37–2.61E+00	1.93–2.42E+00	2.24–2.44E+00
151	0.86–1.30E+00	1.69–1.90E+00	1.18–1.18E+00	1.60–1.68E+00	2.07–2.08E+00	1.24–2.02E+00	1.93–1.95E+00
152	0.57–1.04E+00	1.39–1.54E+00	9.65–9.69E-01	1.26–1.42E+00	1.57–1.59E+00	1.09–1.52E+00	1.72–2.47E+00
153	5.90–8.06E-01	1.19–1.23E+00	7.90–7.93E-01	1.20–1.21E+00	1.22–1.22E+00	0.95–1.22E+00	1.29–1.32E+00
154	3.36–6.13E-01	9.42–9.66E-01	4.08–6.27E-01	8.63–8.93E-01	0.84–1.00E+00	8.07–9.12E-01	0.97–1.07E+00
155	2.29–4.56E-01	7.38–7.43E-01	2.55–4.87E-01	6.16–6.20E-01	6.84–8.05E-01	6.78–7.13E-01	7.20–7.93E-01
156	1.81–3.31E-01	5.63–5.75E-01	2.04–3.71E-01	6.77–6.95E-01	5.08–6.36E-01	5.60–5.66E-01	6.25–6.77E-01
157	1.21–2.36E-01	4.15–4.37E-01	1.33–2.78E-01	4.00–4.21E-01	4.10–4.95E-01	4.08–4.50E-01	5.33–5.38E-01
158	0.83–1.64E-01	3.06–3.26E-01	1.02–2.04E-01	3.78–3.81E-01	3.42–3.78E-01	3.06–3.55E-01	4.38–4.70E-01
159	0.58–1.12E-01	2.17–2.39E-01	0.71–1.46E-01	3.58–3.64E-01	2.54–2.83E-01	2.04–2.76E-01	3.40–3.60E-01
160	3.93–7.43E-02	1.48–1.72E-01	0.51–1.03E-01	2.33–2.67E-01	2.09–2.16E-01	1.53–2.12E-01	2.69–2.86E-01
161	2.68–4.84E-02	0.99–1.21E-01	3.57–7.12E-02	1.93–1.99E-01	1.51–1.66E-01	1.02–1.59E-01	1.94–2.00E-01
162	2.05–3.08E-02	6.52–8.38E-02	3.06–4.82E-02	1.11–1.41E-01	1.08–1.27E-01	0.82–1.18E-01	1.20–1.49E-01
163	1.43–1.92E-02	4.15–5.70E-02	2.34–3.20E-02	6.69–9.79E-02	0.75–1.07E-01	6.11–8.62E-02	0.76–1.09E-01
164	1.07–1.17E-02	2.57–3.80E-02	1.84–2.08E-02	4.35–6.69E-02	5.16–7.82E-02	4.08–6.19E-02	4.72–7.86E-02
165	6.96–7.39E-03	1.59–2.49E-02	1.32–1.33E-02	2.80–4.49E-02	3.48–6.30E-02	3.04–4.38E-02	2.86–5.57E-02
166	4.06–5.36E-03	0.95–1.60E-02	0.83–1.02E-02	1.67–2.96E-02	2.31–5.08E-02	2.04–3.04E-02	1.84–3.89E-02
167	2.31–4.46E-03	0.54–1.01E-02	5.11–8.16E-03	0.74–1.92E-02	1.50–4.01E-02	1.53–2.08E-02	0.96–2.67E-02
168	1.29–2.68E-03	3.06–6.24E-03	3.07–6.12E-03	0.42–1.22E-02	0.96–3.22E-02	1.02–1.40E-02	0.53–1.80E-02
169	0.70–1.78E-03	1.68–3.79E-03	1.81–4.59E-03	1.69–7.64E-03	0.60–2.44E-02	8.15–9.31E-03	0.17–1.20E-02
170	0.37–1.70E-03	0.92–2.26E-03	1.05–3.57E-03	0.86–4.69E-03	0.37–2.05E-02	6.08–6.11E-03	1.40–7.86E-03
171	0.20–1.16E-03	0.48–1.32E-03	0.59–2.55E-03	0.48–2.83E-03	0.23–1.56E-02	3.90–4.08E-03	0.71–5.06E-03
172	1.00–9.82E-04	2.47–7.59E-04	0.33–2.04E-03	0.36–1.68E-03	0.13–1.27E-02	2.47–3.06E-03	0.35–3.21E-03
173	4.96E-05	4.28E-04	1.80E-04	9.79E-04	7.88E-04	1.54E-03	2.00E-03
174	2.42E-05	2.37E-04	9.62E-05	5.60E-04	4.53E-04	9.41E-04	1.23E-03
175	1.15E-05	1.29E-04	5.04E-05	3.15E-04	2.56E-04	5.74E-04	7.44E-04
176	5.39E-06	6.85E-05	2.59E-05	1.74E-04	1.42E-04	3.36E-04	4.43E-04
177	2.46E-06	3.59E-05	1.30E-05	9.45E-05	7.76E-05	1.96E-04	2.59E-04
178	1.10E-06	1.84E-05	6.43E-06	5.04E-05	4.16E-05	1.13E-04	1.49E-04
179	4.79E-07	9.28E-06	3.11E-06	2.64E-05	2.19E-05	6.38E-05	8.47E-05
180	2.05E-07	4.59E-06	1.48E-06	1.36E-05	1.13E-05	3.55E-05	4.73E-05
181	8.55E-08	2.23E-06	6.88E-07	6.87E-06	5.76E-06	1.95E-05	2.60E-05
182	3.49E-08	1.06E-06	3.14E-07	3.42E-06	2.88E-06	1.05E-05	1.41E-05
183	1.40E-08	4.97E-07	1.40E-07	1.67E-06	1.41E-06	5.56E-06	7.48E-06
184	5.45E-09	2.28E-07	6.16E-08	8.00E-07	6.80E-07	2.91E-06	3.92E-06
185	2.08E-09	1.03E-07	2.65E-08	3.77E-07	3.22E-07	1.49E-06	2.02E-06
186	7.78E-10	4.54E-08	1.12E-08	1.74E-07	1.50E-07	7.55E-07	1.02E-06
187	2.85E-10	1.97E-08	4.61E-09	7.93E-08	6.85E-08	3.76E-07	5.12E-07
188	1.02E-10	8.40E-09	1.87E-09	3.55E-08	3.08E-08	1.84E-07	2.52E-07
189	3.56E-11	3.51E-09	7.43E-10	1.56E-08	1.36E-08	8.89E-08	1.22E-07
190	1.22E-11	1.44E-09	2.89E-10	6.71E-09	5.88E-09	4.22E-08	5.79E-08
191	4.07E-12	5.81E-10	1.10E-10	2.84E-09	2.50E-09	1.97E-08	2.71E-08
192	1.33E-12	2.30E-10	4.14E-11	1.18E-09	1.05E-09	9.06E-09	1.25E-08
193	4.26E-13	8.91E-11	1.52E-11	4.84E-10	4.31E-10	4.10E-09	5.68E-09
194	1.33E-13	3.39E-11	5.47E-12	1.95E-10	1.74E-10	1.82E-09	2.54E-09
195	—	1.27E-11	1.93E-12	7.68E-11	6.90E-11	8.00E-10	1.11E-09
196	—	4.65E-12	6.68E-13	2.98E-11	2.69E-11	3.45E-10	4.82E-10
197	—	1.67E-12	2.27E-13	1.14E-11	1.03E-11	1.46E-10	2.05E-10
198	—	5.92E-13	—	4.25E-12	3.88E-12	6.12E-11	8.61E-11
199	—	2.05E-13	—	1.56E-12	1.43E-12	1.52E-11	3.55E-11
200	—	—	—	5.65E-13	5.21E-13	1.02E-11	1.44E-11

TABLE 1: Comparison of Mass Chain Yields—Part 10

mass	es253s	es254t	fm254s	fm255t	fm256s	fm257t	fm257s
1	—	—	—	—	7.00E-03	—	—
3	—	—	—	—	3.90E-02	—	—
4	—	—	—	—	4.74E-01	—	3.99E-01
50	—	1.21E-10	1.04E-10	1.52E-09	6.04E-10	3.66E-09	2.64E-09
51	—	2.61E-10	2.33E-10	3.19E-09	1.27E-09	7.28E-09	5.42E-09
52	—	5.57E-10	5.15E-10	6.59E-09	2.65E-09	1.43E-08	1.10E-08
53	—	1.17E-09	1.12E-09	1.35E-08	5.43E-09	2.77E-08	2.19E-08
54	—	2.43E-09	2.40E-09	2.72E-08	1.10E-08	5.32E-08	4.33E-08
55	—	4.98E-09	5.06E-09	5.41E-08	2.20E-08	1.01E-07	8.44E-08
56	—	1.01E-08	1.05E-08	1.06E-07	4.34E-08	1.89E-07	1.62E-07
57	—	2.00E-08	2.16E-08	2.06E-07	8.46E-08	3.49E-07	3.09E-07
58	—	3.94E-08	4.37E-08	3.94E-07	1.63E-07	6.39E-07	5.80E-07
59	—	7.63E-08	8.71E-08	7.44E-07	3.09E-07	1.15E-06	1.08E-06
60	—	1.46E-07	1.71E-07	1.39E-06	5.78E-07	2.06E-06	1.97E-06
61	—	2.75E-07	3.32E-07	2.55E-06	1.07E-06	3.63E-06	3.56E-06
62	—	5.11E-07	6.33E-07	4.63E-06	1.95E-06	6.33E-06	6.36E-06
63	—	9.38E-07	1.19E-06	8.30E-06	3.51E-06	1.09E-05	1.12E-05
64	—	1.70E-06	2.21E-06	1.47E-05	6.23E-06	1.85E-05	1.95E-05
65	—	3.03E-06	4.04E-06	2.56E-05	1.09E-05	3.12E-05	3.36E-05
66	2.67E-04	9.39E-09-5.33E-06	0.73-2.83E-05	0.44-1.58E-04	0.19-1.01E-04	5.18E-05	5.70E-05
67	3.59E-04	0.02-9.24E-06	1.29-3.84E-05	0.75-2.05E-04	0.32-1.62E-04	8.50E-05	9.57E-05
68	5.13E-04	3.75E-08-1.58E-05	2.26-5.26E-05	1.26-2.52E-04	0.54-2.22E-04	1.38E-04	1.58E-04
69	6.77E-04	7.51E-08-2.67E-05	3.90-7.48E-05	2.09-3.26E-04	0.91-3.03E-04	2.21E-04	2.59E-04
70	9.46E-04	0.01-4.45E-05	0.66-1.02E-04	3.41-4.38E-04	1.49-4.05E-04	3.50E-04	4.19E-04
71	1.33E-03	0.02-7.32E-05	1.11-1.52E-04	5.51-5.78E-04	2.41-5.25E-04	5.47E-04	6.68E-04
72	1.85E-03	1.45E-07-1.19E-04	1.84-2.02E-04	7.46-8.77E-04	3.86-7.07E-04	8.45E-04	1.05E-03
73	2.34E-03	9.69E-07-1.90E-04	2.82-3.00E-04	0.95-1.38E-03	0.61-1.01E-03	1.29E-03	1.64E-03
74	3.39E-03	0.02-2.99E-04	3.84-4.81E-04	1.30-2.14E-03	0.95-1.31E-03	1.95E-03	2.52E-03
75	4.62E-03	0.03-4.64E-04	5.05-7.61E-04	1.58-3.27E-03	1.46-1.82E-03	2.91E-03	3.81E-03
76	6.20E-03	0.07-7.13E-04	0.72-1.19E-03	2.15-4.94E-03	2.22-2.54E-03	4.28E-03	5.72E-03
77	8.15E-03	0.01-1.08E-03	1.01-1.83E-03	2.80-7.37E-03	3.32-3.42E-03	6.23E-03	8.46E-03
78	1.13E-02	0.02-1.61E-03	1.52-2.77E-03	0.37-1.09E-02	4.64-4.91E-03	8.96E-03	1.24E-02
79	1.54E-02	0.05-2.37E-03	2.32-4.13E-03	0.47-1.58E-02	7.07-7.16E-03	1.27E-02	1.78E-02
80	2.26E-02	0.09-3.44E-03	3.55-6.09E-03	0.63-2.26E-02	0.91-1.03E-02	1.79E-02	2.54E-02
81	3.08E-02	0.23-4.92E-03	5.05-8.84E-03	0.80-3.20E-02	1.21-1.47E-02	2.48E-02	3.58E-02
82	4.20E-02	0.42-6.95E-03	0.86-1.26E-02	1.04-4.47E-02	1.65-2.06E-02	3.40E-02	4.97E-02
83	6.16E-02	0.87-9.68E-03	1.21-1.78E-02	1.33-6.16E-02	2.22-2.85E-02	4.61E-02	6.82E-02
84	8.26E-02	0.17-1.33E-02	1.72-2.48E-02	1.68-8.38E-02	3.04-3.89E-02	6.17E-02	9.24E-02
85	1.12E-01	0.34-1.80E-02	2.63-3.39E-02	0.24-1.12E-01	4.03-5.25E-02	8.16E-02	1.24E-01
86	1.55E-01	0.71-2.41E-02	4.10-4.58E-02	0.30-1.49E-01	5.51-6.99E-02	1.07E-01	1.63E-01
87	2.04E-01	1.42-3.18E-02	5.65-6.10E-02	0.40-1.95E-01	7.47-9.18E-02	1.38E-01	2.13E-01
88	2.89E-01	2.86-4.13E-02	8.00-9.56E-02	0.51-2.52E-01	1.11-1.19E-01	1.76E-01	2.75E-01
89	3.69E-01	5.19-5.30E-02	1.32-1.34E-01	0.65-3.20E-01	1.52-1.52E-01	2.22E-01	3.50E-01
90	4.58E-01	1.13-1.22E-01	2.02-2.26E-01	0.86-4.03E-01	1.92-2.01E-01	2.76E-01	4.40E-01
91	5.33E-01	2.76-2.80E-01	3.80-3.95E-01	1.12-5.00E-01	2.40-2.42E-01	3.40E-01	5.47E-01
92	6.16E-01	3.58-3.62E-01	4.27-4.45E-01	1.40-3.16E-01	3.00-3.03E-01	4.13E-01	6.70E-01
93	6.81E-01	4.61-4.71E-01	4.80-4.83E-01	1.91-2.00E-01	3.70-4.04E-01	4.97E-01	8.11E-01
94	9.69E-01	5.65-5.80E-01	4.95-5.02E-01	2.33-2.79E-01	4.50-5.25E-01	5.90E-01	9.70E-01
95	1.15E+00	7.09-7.20E-01	5.22-5.26E-01	3.08-3.84E-01	5.40-6.67E-01	6.92E-01	1.15E+00
96	1.53E+00	7.52-8.44E-01	0.81-1.02E+00	4.11-5.22E-01	6.41-7.47E-01	8.03E-01	1.34E+00
97	1.87E+00	9.76-9.90E-01	1.26-1.26E+00	6.87-7.00E-01	7.50-7.68E-01	9.21E-01	1.54E+00
98	2.23E+00	1.34-1.52E+00	1.39-1.51E+00	0.70-1.04E+00	0.92-1.01E+00	1.04E+00	1.75E+00
99	3.10E+00	2.30-2.34E+00	1.54-1.75E+00	0.86-1.56E+00	1.12-1.21E+00	1.17E+00	1.98E+00
100	3.45E+00	2.42-2.55E+00	1.87-2.22E+00	0.95-1.71E+00	1.35-1.51E+00	1.30E+00	2.21E+00
101	3.85E+00	2.49-2.75E+00	2.24-2.71E+00	1.14-1.85E+00	1.61-1.81E+00	1.44E+00	2.44E+00
102	4.56E+00	2.71-2.95E+00	2.67-3.02E+00	1.24-1.99E+00	1.91-2.01E+00	1.58E+00	2.68E+00
103	5.86E+00	3.13-3.15E+00	3.17-3.17E+00	1.33-2.13E+00	2.21-2.25E+00	1.72E+00	2.92E+00
104	6.28E+00	3.40-3.68E+00	3.94-4.02E+00	1.52-2.28E+00	2.64-2.72E+00	1.87E+00	3.18E+00
105	6.24E+00	4.25-4.29E+00	4.91-4.93E+00	2.39-2.43E+00	3.10-3.11E+00	2.03E+00	3.45E+00
106	6.53E+00	4.02-4.07E+00	5.10-5.56E+00	2.42-2.49E+00	3.24-3.62E+00	2.20E+00	3.74E+00
107	6.28E+00	3.88-3.96E+00	5.28-5.43E+00	2.54-2.61E+00	3.38-4.52E+00	2.37E+00	4.06E+00
108	5.88E+00	3.68-3.86E+00	5.47-5.63E+00	2.59-2.71E+00	3.50-5.23E+00	2.55E+00	4.37E+00
109	5.52E+00	3.72-3.76E+00	5.67-5.70E+00	2.60-2.90E+00	3.60-5.42E+00	2.71E+00	4.67E+00
110	5.27E+00	3.88-3.99E+00	5.58-6.46E+00	2.72-3.28E+00	4.41-5.62E+00	2.86E+00	4.94E+00
111	4.73E+00	4.19-4.23E+00	5.50-5.53E+00	2.85-3.19E+00	5.40-5.43E+00	2.97E+00	5.13E+00
112	3.98E+00	4.34-4.40E+00	6.23-6.42E+00	3.63-3.74E+00	4.55-5.63E+00	3.02E+00	5.22E+00
113	3.65E+00	3.89-4.72E+00	5.73-5.94E+00	3.24-4.25E+00	4.00-6.03E+00	3.56E+00	5.18E+00
114	3.24E+00	4.94-5.16E+00	5.03-5.49E+00	4.16-4.83E+00	4.63-6.03E+00	4.10E+00	5.01E+00
115	2.83E+00	5.57-5.64E+00	5.08-5.08E+00	5.33-5.59E+00	5.36-6.13E+00	4.58E+00	4.70E+00
116	2.57E+00	5.29-5.48E+00	3.88-4.24E+00	5.28-5.66E+00	5.47-5.66E+00	4.97E+00	4.28E+00
117	2.23E+00	4.80-5.09E+00	2.87-3.52E+00	5.07-5.86E+00	4.72-5.59E+00	5.25E+00	3.78E+00
118	1.22E+00	4.24-4.46E+00	2.06-2.62E+00	4.74-5.89E+00	4.02-5.70E+00	5.39E+00	3.25E+00
119	6.62E-01	3.65-3.91E+00	1.45-1.81E+00	4.32-5.95E+00	3.22-4.33E+00	5.40E+00	2.72E+00
120	3.16E-01	3.10-3.39E+00	1.01-1.11E+00	3.87-5.80E+00	2.62-3.29E+00	5.30E+00	2.23E+00
121	1.52E-01	2.62-2.70E+00	7.05-7.97E-01	3.44-5.70E+00	2.50-2.72E+00	5.13E+00	1.81E+00
122	6.57E-02	1.89-2.30E+00	3.59-4.09E-01	2.69-5.33E+00	1.57-1.64E+00	4.94E+00	1.47E+00
123	3.18E-02	1.40-1.94E+00	1.91-2.53E-01	2.15-4.93E-01	0.91-1.10E+00	4.79E+00	1.20E+00
124	2.00E-02	1.11-1.34E+00	1.08-1.60E-01	1.79-3.88E+00	4.68-7.63E-01	4.74E+00	1.00E+00
125	1.90E-02	9.03-9.40E-01	0.66-1.27E-01	1.60-3.02E+00	4.43-5.60E-01	4.90E+00	8.80E-01
126	2.99E-02	8.45-9.45E-01	1.30-1.64E-01	1.96-2.40E+00	4.19-4.96E-01	5.36E+00	8.20E-01

TABLE 1: Comparison of Mass Chain Yields–Part 10

mass	es253s	es254t	fm254s	fm255t	fm256s	fm257t	fm257s
127	6.34E-02	9.45-9.50E-01	2.39-2.57E-01	2.32-2.39E+00	4.29-4.40E-01	6.30E+00	8.21E-01
128	1.55E-01	1.29-1.36E+00	4.55-4.75E-01	2.17-2.36E+00	5.71-6.22E-01	5.61E+00	8.81E-01
129	3.10E-01	1.94-1.96E+00	8.71-8.80E-01	2.26-2.33E+00	8.59-8.80E-01	5.32E+00	1.00E+00
130	5.81E-01	2.46-2.73E+00	1.47-1.51E+00	2.48-2.80E+00	1.51-1.55E+00	5.29E+00	1.20E+00
131	1.14E+00	3.79-3.84E+00	2.44-2.44E+00	3.21-3.37E+00	2.54-2.60E+00	5.40E+00	1.47E+00
132	2.53E+00	4.76-4.80E+00	2.97-3.52E+00	4.81-4.90E+00	3.90-4.02E+00	5.57E+00	1.82E+00
133	2.67E+00	5.06-5.09E+00	4.34-4.74E+00	5.42-5.64E+00	3.83-3.90E+00	5.75E+00	2.24E+00
134	2.95E+00	5.20-5.35E+00	4.51-5.19E+00	5.86-5.89E+00	4.10-4.59E+00	5.86E+00	2.72E+00
135	4.70E+00	5.31-5.48E+00	4.30-4.48E+00	6.15-6.16E+00	5.40-6.21E+00	5.86E+00	3.25E+00
136	4.36E+00	5.14-5.36E+00	4.74-5.81E+00	6.29-6.37E+00	4.91-5.86E+00	5.73E+00	3.78E+00
137	4.53E+00	4.70-5.24E+00	5.04-5.54E+00	6.24-6.29E+00	5.09-6.16E+00	5.45E+00	4.28E+00
138	4.82E+00	4.47-4.94E+00	5.17-5.73E+00	5.99-6.06E+00	5.28-6.28E+00	5.04E+00	4.70E+00
139	5.87E+00	4.16-4.52E+00	4.99-5.13E+00	5.57-5.66E+00	6.10-6.20E+00	4.52E+00	5.01E+00
140	5.66E+00	4.00-4.01E+00	5.22-5.54E+00	4.83-5.03E+00	5.96-6.00E+00	3.95E+00	5.18E+00
141	5.74E+00	4.58-4.61E+00	5.48-5.56E+00	4.54-4.62E+00	5.76-7.10E+00	4.01E+00	5.22E+00
142	5.80E+00	4.59-4.75E+00	5.03-5.14E+00	4.10-4.34E+00	5.27-6.58E+00	3.96E+00	5.13E+00
143	6.44E+00	4.83-4.89E+00	5.33-5.45E+00	3.14-3.70E+00	4.88-6.10E+00	3.84E+00	4.93E+00
144	5.11E+00	3.89-3.92E+00	4.62-4.85E+00	3.21-3.23E+00	4.49-5.63E+00	3.66E+00	4.67E+00
145	5.80E+00	3.52-3.56E+00	4.11-4.24E+00	2.80-2.83E+00	3.90-5.20E+00	3.44E+00	4.37E+00
146	5.41E+00	3.15-3.26E+00	3.72-3.88E+00	2.41-2.48E+00	3.42-4.43E+00	3.21E+00	4.05E+00
147	4.82E+00	2.81-2.97E+00	3.45-3.66E+00	2.02-2.08E+00	3.12-3.76E+00	2.98E+00	3.74E+00
148	3.83E+00	2.51-2.66E+00	2.87-3.26E+00	1.75-1.78E+00	2.70-3.19E+00	2.75E+00	3.45E+00
149	3.13E+00	2.23-2.26E+00	2.86-2.98E+00	1.47-1.53E+00	2.65-2.70E+00	2.54E+00	3.18E+00
150	2.47E+00	1.97-1.98E+00	2.20-2.52E+00	1.29-1.43E+00	2.24-2.38E+00	2.33E+00	2.92E+00
151	1.91E+00	1.70-1.73E+00	1.69-2.10E+00	1.29-1.34E+00	2.05-2.10E+00	2.14E+00	2.67E+00
152	1.56E+00	1.62-1.67E+00	1.50-1.74E+00	1.10-1.18E+00	1.64-1.72E+00	1.96E+00	2.44E+00
153	1.48E+00	1.59-1.62E+00	1.39-1.42E+00	1.00-1.04E+00	1.35-1.40E+00	1.78E+00	2.20E+00
154	1.08E+00	1.28-1.28E+00	1.03-1.18E+00	7.09-8.23E-01	1.06-1.11E+00	1.60E+00	1.98E+00
155	9.27E-01	0.98-1.01E+00	8.01-9.65E-01	5.32-6.44E-01	8.37-8.82E-01	1.43E+00	1.75E+00
156	7.73E-01	7.96-8.00E-01	6.64-7.79E-01	4.43-4.98E-01	7.00-7.22E-01	1.27E+00	1.54E+00
157	7.44E-01	7.54-7.60E-01	6.19-6.20E-01	3.65-3.80E-01	5.20-5.30E-01	1.11E+00	1.33E+00
158	5.80E-01	6.31-6.85E-01	4.73-5.22E-01	2.66-3.20E-01	4.00-5.15E-01	9.58E-01	1.14E+00
159	5.64E-01	4.89-5.17E-01	4.33-4.40E-01	1.95-2.65E-01	3.04-5.00E-01	8.19E-01	9.68E-01
160	4.40E-01	3.92-4.17E-01	2.18-3.50E-01	1.51-2.18E-01	2.31-4.12E-01	6.92E-01	8.10E-01
161	2.90E-01	2.93-3.32E-01	1.18-2.75E-01	1.15-1.76E-01	1.62-3.35E-01	5.78E-01	6.69E-01
162	2.13E-01	1.96-2.13E-01	0.73-2.13E-01	0.89-1.41E-01	1.14-2.68E-01	4.77E-01	5.45E-01
163	1.45E-01	0.98-2.02E-01	0.55-1.62E-01	0.71-1.11E-01	0.80-2.12E-01	3.89E-01	4.39E-01
164	1.06E-01	0.48-1.55E-01	0.38-1.22E-01	5.32-8.62E-02	0.57-1.66E-01	3.13E-01	3.49E-01
165	7.73E-02	0.20-1.17E-01	2.46-9.03E-02	4.60-6.62E-02	0.43-1.28E-01	2.49E-01	2.74E-01
166	5.80E-02	0.88-8.68E-02	1.82-6.59E-02	3.54-5.01E-02	3.33-9.75E-02	1.96E-01	2.13E-01
167	4.06E-02	0.39-6.37E-02	1.18-4.74E-02	2.66-3.75E-02	2.47-7.32E-02	1.52E-01	1.63E-01
168	2.90E-02	0.20-4.61E-02	0.55-3.37E-02	1.77-2.77E-02	1.90-5.43E-02	1.17E-01	1.23E-01
169	2.22E-02	0.10-3.29E-02	0.36-2.35E-02	1.51-2.02E-02	1.33-3.97E-02	8.87E-02	9.22E-02
170	1.66E-02	0.05-2.31E-02	0.28-1.62E-02	1.24-1.45E-02	0.96-2.87E-02	6.64E-02	6.80E-02
171	1.06E-02	0.02-1.61E-02	0.18-1.10E-02	0.89-1.03E-02	0.70-2.04E-02	4.92E-02	4.95E-02
172	7.73E-03	9.78E-05-1.10E-02	0.91-7.38E-03	7.09-7.20E-03	0.48-1.44E-02	3.60E-02	3.56E-02
173	—	7.43E-03	4.87E-03	4.97E-03	9.99E-03	2.60E-02	2.53E-02
174	—	4.95E-03	3.17E-03	3.39E-03	6.84E-03	1.86E-02	1.78E-02
175	—	3.25E-03	2.03E-03	2.28E-03	4.63E-03	1.31E-02	1.23E-02
176	—	2.11E-03	1.28E-03	1.52E-03	3.09E-03	9.17E-03	8.43E-03
177	—	1.35E-03	8.00E-04	9.95E-04	2.03E-03	6.32E-03	5.69E-03
178	—	8.50E-04	4.91E-04	6.44E-04	1.32E-03	4.30E-03	3.80E-03
179	—	5.29E-04	2.97E-04	4.11E-04	8.49E-04	2.89E-03	2.50E-03
180	—	3.24E-04	1.77E-04	2.59E-04	5.38E-04	1.92E-03	1.63E-03
181	—	1.96E-04	1.04E-04	1.61E-04	3.36E-04	1.26E-03	1.05E-03
182	—	1.17E-04	6.05E-05	9.91E-05	2.07E-04	8.21E-04	6.65E-04
183	—	6.90E-05	3.46E-05	6.01E-05	1.26E-04	5.26E-04	4.17E-04
184	—	4.00E-05	1.95E-05	3.60E-05	7.59E-05	3.34E-04	2.58E-04
185	—	2.29E-05	1.08E-05	2.12E-05	4.50E-05	2.09E-04	1.58E-04
186	—	1.30E-05	5.91E-06	1.24E-05	2.64E-05	1.29E-04	9.52E-05
187	—	7.22E-06	3.19E-06	7.11E-06	1.52E-05	7.90E-05	5.67E-05
188	—	3.97E-06	1.70E-06	4.04E-06	8.69E-06	4.77E-05	3.34E-05
189	—	2.15E-06	8.88E-07	2.26E-06	4.89E-06	2.85E-05	1.94E-05
190	—	1.15E-06	4.59E-07	1.25E-06	2.71E-06	1.68E-05	1.12E-05
191	—	6.06E-07	2.34E-07	6.83E-07	1.49E-06	9.80E-06	6.32E-06
192	—	3.15E-07	1.17E-07	3.68E-07	8.06E-07	5.64E-06	3.54E-06
193	—	1.62E-07	5.80E-08	1.95E-07	4.30E-07	3.21E-06	1.96E-06
194	—	8.19E-08	2.83E-08	1.03E-07	2.27E-07	1.80E-06	1.07E-06
195	—	4.09E-08	1.36E-08	5.31E-08	1.18E-07	1.00E-06	5.76E-07
196	—	2.01E-08	6.43E-09	2.71E-08	6.06E-08	5.50E-07	3.07E-07
197	—	9.77E-09	3.00E-09	1.37E-08	3.07E-08	2.98E-07	1.61E-07
198	—	4.68E-09	1.38E-09	6.82E-09	1.54E-08	1.60E-07	8.38E-08
199	—	2.21E-09	6.27E-10	3.35E-09	7.58E-09	8.46E-08	4.30E-08
200	—	1.03E-09	2.80E-10	1.62E-09	3.69E-09	4.43E-08	2.18E-08