

Research interest:

Properties of Hot Nuclear Matter & Nuclei far from stability

Research Objectives:

I. Study of the density dependent asymmetry terms in the EOS

Iso-scaling in fragment production

*a. General systematics*

*b. Effect of EOS on multifragmentation*

II. Understanding the nuclear caloric curve (liquid-gas phase transition in nuclear matter)

*c. Temperature measurements*

III. Rare isotope production mechanisms

*d. Isotope scaling for fragmentation*

*e. Isospin dependenc in Fragmentation*