

”Other” Indirect Methods in Nuclear Astrophysics

Wednesday, 11 September 2024 09:25 (25 minutes)

It is a widely accepted and used idea that when we cannot make direct measurements for nuclear reactions that are important in nuclear astrophysics due to very small cross sections and/or for impossible/difficult projectile combinations, we resort to indirect methods. There are many Indirect Methods in Nuclear astrophysics, some well known. I will discuss here two less known ones: fusion of light ions at sub_coulomb energies and the nuclear breakup of unstable projectiles at intermediate energies.

Presenter: TRACHE, Livius (IFIN-HH)

Session Classification: Experimental Nuclear Physics for Astrophysics