



Avviso di Seminario

08-07-2019, Ore 10:00 - Aula F - ex biblioteca Palazzo delle Scienze

Trappitsch Reto

Lawrence Livermore National Laboratory

STUDYING PRESOLAR GRAINS AT LAWRENCE LIVERMORE NATIONAL LABORATORY

Presolar grains, recovered from meteorites, are micrometer-sized particles that formed in the outflows of dying stars. These bona fide stardust grains represent unique samples to study stellar nucleosynthesis as well as galactical chemical evolution using laboratory analyses. In this talk I will discuss the experimental techniques used to study presolar grains and specifically focus on the capabilities that are available at Lawrence Livermore National Laboratory. I will present applications with regard to the slow neutron capture process and galactic chemical evolution and discuss recent results that were obtained using resonance ionization mass spectrometry. Finally, I will elaborate on ongoing and future work at Livermore.

Il Direttore
Maurizio Maria Busso