

Avviso di Seminario

Mercoledì 05 ottobre 15:15 Sala Riunioni (1)

Ernst Zinner

Professor
Washington University of St Louis, USA

Terrà un seminario dal titolo :

" What are our ultimate roots? Tiny dust grains give an answer."

Abstract :

Life on Earth and our existence depends on nuclear reactions. On the one hand, nuclear reactions are the reason the Sun shines, on the other hand nuclear reactions in previous generations of stars produced the elements we are made of. While in the past all information on stars came to us in the form of electromagnetic radiations, today we can study pieces of stars in the laboratory. This stardust, tiny grains that condensed in stellar atmospheres and the ejecta of stellar explosions, was preserved in primitive meteorites. The isotopic analysis of grains as small as a micrometer can provide information on the stellar production of the elements.

Il Direttore
Dr. Pasquale Lubrano