



Next week at GSSI

FEBRUARY 1-7, 2016

TUESDAY 2

5.30 pm | GSSI Main Lecture Hall

Le donne, la fabbrica, il territorio nell'esperienza Italtel

Screening of the documentary “Donne al lavoro”, first event of the project “Prospettive Rosee. Storie di donne che hanno lasciato un segno all’Aquila”, organized by Assessorato alla Cultura del Comune dell’Aquila. The event will be held in Italian.

More information is available [here](#).

WEDNESDAY 3

3 pm | GSSI Main Lecture Hall

Signatures of 1 EeV protons from the Galaxy

Speaker: Federico Urban (National Institute of Chemical Physics and Biophysics, Tallin, Estonia)

It is widely believed that Cosmic Rays (CR) at the highest energies are of extra-Galactic origin, whereas the low-energy CR flux should be mostly Galactic: the exact spectral location of the transition between the two is however unknown. I will present a study for signatures that would be produced in the spectrum and sky distribution of UHECR by a population of Galactic sources of high-energy protons in the energy range around 1 EeV, i.e., around the diffusive-to-ballistic transition. There are two generic features which appear at this energy: a spectral dip and a peculiar anisotropy. A few percent admixture of the Galactic protons can in principle be detected by current UHECR experiments.

WEDNESDAY 3-FRIDAY 5

GSSI Room C

Master Class: Urban Welfare

Speakers: Massimo Bricocoli (University of Luxemburg), Stefania Sabatinelli (Polimi)