Perugia

INFN

Istituto Nazionale
di Fisica Nucleare

Avviso di Seminario

MERCOLEDI' 5 DICEMBRE – ORE 15

Prof. Alessandro De Angelis - Dip.to di Fisica Università di Udine

Terrà un seminario dal titolo

"High Energy Gamma Astrophysics"

Abstract: High energy photons are a powerful probe for astrophysics and for fundamental physics under extreme conditions. During the recent years, our knowledge or the most violent phenomena in the Universe has impressively progressed thanks to the advent of new detectors for high energy gamma rays. The Cherenkov telescopes (H.E.S.S. and MAGIC in particular) discovered in the recent years more than 60 new very-high energy sources. The progress achieved with the latest generation of Cherenkov telescopes is comparable to the one drawn by EGRET satellite-borne observatory with respect to the previous gamma-ray satellite detectors. This seminar reviews the present status of high-energy gamma astrophysics, with emphasis on the recent results and on the experimental developments.

CV Prof. De Angelis: Professor of experimental physics at the University of Udine and at the Politecnical University of Lisbon, chairs the M.S. in Computational Physics in Udine. Research interests: fundamental physics (astroparticle physics and accelerator physics in particular). Lectures on electromagnetism and elementary quantum mechanics. After classical high-school, he graduated cum laude in physics in Padova in 1983. Technical officer at the Terrestrial Weapons headquarters, Roma, in 1983/1984, and unpaid associate at Istituto Superiore di Sanità; then as a post-doc in Padova and CERN he studied the properties of charmed particles using bubble-chamber detectors and worked in Padova and Udine at the preparation of the DELPHI experiment at the CERN LEP electron-positron collider. From 1993 to 1999 at CERN, Geneva; as staff member, coordinated the data analysis software of DELPHI and the QCD group. Responsible of the software for the INFN project on Artificial Neural Networks. Back to Italy in 1999, he founded in Udine a group (presently composed by 10 researchers) on astroparticle physics, working to GLAST and MAGIC (detection of high-energy gamma rays with, respectively, satellite and ground-based telescope), and giving a primary contribution to simulation, event display and data acquisition. He is presently Physics
Coordinator and Italian PI of the MAGIC telescope.

Sala Riunioni - Dipartimento di Fisica

Il Direttore
Dr. Pasquale Lubrano