

Università degli Studi di Trieste

PROGRAMMA DI GIOVEDÌ 18 GIUGNO 2009

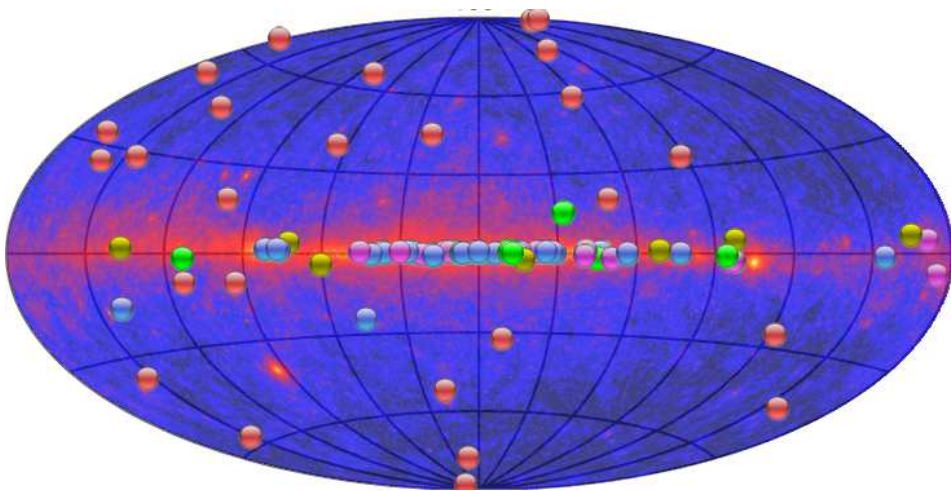
Aula B Dipartimento di Fisica ore 11.00

The golden years of very high energy gamma astrophysics:

a selection of recent results from the Cherenkov gamma detectors and a look to the future

Alessandro De Angelis

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The gamma sky seen by Fermi (background) and by the Cherenkov telescope above 100 GeV (dots).

The Fermi telescope is releasing data since August 2008, and the two main Cherenkov telescopes, MAGIC and H.E.S.S., are undergoing major improvements. A large gamma detector for the next decade, the CTA, is being planned. The panorama of the study of the production and of the propagation of (very) high energy photons is changing dramatically and is likely to provide new results in the forthcoming years.

High-energy gamma-ray

astrophysics, besides providing an exciting new astronomical picture of the Universe through the many new objects discovered, and probing the production of cosmic rays below the knee, is a powerful tool for fundamental physics.

Alessandro De Angelis, professor of physics at the University of Udine and at the Instituto Superior Técnico of Lisboa, is Deputy Chairman and Italian coordinator of the MAGIC gamma-ray telescope in La Palma (Canary Islands), and member of the collaboration managing the Fermi gamma-ray satellite (formerly known as Glast). His main interests are high-energy particle astrophysics and fundamental physics with accelerators. After starting his activity in Padova, from 1993 to 1999 he was at CERN in the DELPHI experiment at LEP. He has served as scientific PI of the MAGIC collaboration between 2005 and 2007.

Comitato organizzatore: prof. Edoardo Milotti, dott.ssa Anna Gregorio e dott. Lorenzo Vitale

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Gli interessati sono invitati a partecipare

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