

DESY Seminar

Tuesday, 29.1.2008, 17h

DESY Hörsaal

Astrophysics at the Terascale

Status and Highlights of ground-based Gamma-Ray Observatories

Dieter Horns

(University of Hamburg)

In Astrophysics, whenever a new observational window has been opened, the results have changed our view of the Universe dramatically and sometimes in quite a surprising and unexpected way. Most recently, ground based observation of TeV photons has provided us with a completely new view to the very energetic Universe. The most sensitive and successful detection technique is the stereoscopic Cherenkov imaging of air showers. Current instruments like the H.E.S.S. and MAGIC experiments have discovered a diverse population of Gamma-ray sources, some of which do not have a counterpart at other wave lengths. I will present selected highlights and provide an outlook towards future ground based gamma-ray observatories.

- **Tea and cookies will be served at 16.45h in the lobby**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**