

Highlights of Astroparticle Physics

In memory of Gianni Navarra



Commemorating Gianni through Science:

- 1968- 1972

Measurements of showers of particles
performed at Laboratorio del Monte dei
Cappuccini (Torino, 70 m.w.e.depth)



• 1971 – 1976

EAS Cherenkov light measurements at Pic du Midi (Hautes-Pyrénées – France)
within the Torino - Kiel collaboration



- 1979 – 1990

Plateau Rosa (~3500 m a.s.l.)

“An air shower array designed for cosmic ray variation measurements and high energy γ -ray astronomy”



- 1986 – 2000

EAS-Top - Campo Imperatore

2000 m a.s.l. Laboratori Nazionali del Gran Sasso

- Spectrum (knee detection in e.m. and μ EAS components)

- γ -ray astronomy and anisotropy



- 2001 - 2009

KASCADE and KASCADE-Grande arrays:

10^{15} - 10^{18} eV region



- From 2000

The Pierre-Auger Experiment:

- Region beyond 10^{18} eV
- GZK effect
- Cosmic Ray Astronomy

