

XII International Workshop on "Neutrino Telescopes"

Twenty years after the Supernova 1987A neutrino bursts discovery

Cosmic Rays

- 1 detection: the atmosphere | electromagnetic vs hadronic showers / shower theory: hadrons, muons, neutrinos
- 2 present detectors: Auger...
- 3 main science issues: end of the cosmic ray spectrum, the composition, the sources

TeV gamma-rays

- 1 detection: the atmosphere (pointing ↔ all-sky),
Synchrotron, inverse Compton
- 2 present detectors: HESS et al., HAWK
- 3 main science issues: active galaxies (protons versus electrons), supernova remnants

Neutrinos

- 1 detection: the Earth / atmosphere | interaction, muon energy loss
- 2 detection techniques: water & ice, radio, HAS
- 3 main science issues: sources of CR (supernova, agn and grb), neutrino physics with atm. ν's

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