



Contribution ID: 9

Type: **not specified**

Challenges in data management for the IceCube and CTA observatories

Thursday 26 March 2015 09:15 (45 minutes)

The challenges in data management for large-scale astroparticle physics instruments like the IceCube neutrino observatory and the future gamma-ray observatory CTA are very different to particle physics experiments, despite the similarity of their data structure with classical particle physics instruments. Examples for the challenges are the generation of large amounts of data in remote places (e.g. the South Pole in the Antarctica) and the requirement to generate fast alerts to transient phenomena like Gamma Ray bursts. CTA will also serve a wider community, giving open data access and user support to non-expert scientists. I will give a detailed overview of the data management activities in the IceCube and CTA observatories in this talk.

Presenter: Dr MAIER, Gernot (DESY)