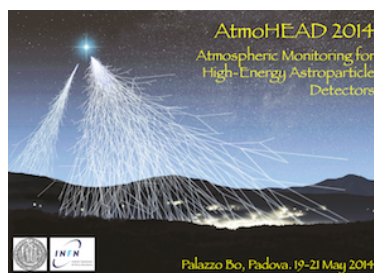


AtmoHEAD 2014:
 Atmospheric Monitoring for High Energy AstroParticle Detectors



Contribution ID: 49

Type: Oral

Atmospheric Monitoring With An Infrared Radiometer

Wednesday, 21 May 2014 11:55 (20 minutes)

The molecular atmosphere has a number of windows where it is effectively transparent to electromagnetic radiation, one of these being in the infrared 8-14 micron region. The presence of clouds and aerosols, which are more effective emitters of infrared radiation, in the atmosphere show up as an increase in the effective brightness temperature compared to the clear sky. This talk will cover the results from operating a scanning radiometer at the H.E.S.S. site in Namibia in determining atmospheric conditions.

Primary author: Dr DANIEL, Michael (University of Liverpool)

Co-author: Prof. CHADWICK, Paula (University of Durham)

Presenter: Dr DANIEL, Michael (University of Liverpool)

Session Classification: Instruments and Techniques Developments