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## Interdisciplinary Science with Large Aperture Cosmic Ray Detectors

*Thursday, 16 February 2012 10:40 (20 minutes)*

Large aperture detector systems to measure high energy cosmic rays, also offer unique opportunities in other areas of science. Disciplines include geophysics such as seismic and volcanic activity, and atmospheric science ranging from clouds to lightening to aerosols to optical transients. This talk will discuss potential opportunities based on the ongoing experience of the Pierre Auger Observatory.

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**Session Classification:** New detection techniques and detector designs