

Physikalisches Kolloquium Universität Kiel Sommersemester 2016

Dienstag, 12. Juli 2016

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The nature and origin of ultra high-energy cosmic rays

High-energy cosmic rays (ionized atomic nuclei) impinge continuously on the atmosphere of the Earth. Most of the cosmic rays are assumed to originate within our Milky Way, most likely being accelerated by supernova remnants. At the highest energies, an extra-galactic origin is favored by present theories. A key to understand the origin of cosmic rays is to precisely measure the properties of these particles - their nature (atomic mass), their energy, and their arrival direction. Recent results concerning the properties of cosmic rays are reviewed and their implications for our understanding of the origin of cosmic rays will be discussed.

Der Vortrag beginnt um 12:15 Uhr im Max-Planck-Hörsaal (LS13-R.8) des Physikzentrums.

Ab **12:00 Uhr** werden **Kaffee** und **Tee** angeboten.

B. Heber
für die Dozenten der Physik

Gastgeber: Prof. Dr. Bernd Heber