
Kolloquium Lasertechnik

Gastvortrag

Vortragender: **HERA and the “wee” partons**
Prof. Dr. Alan Caldwell
Max-Planck-Institut für Physik, München

NEUER TERMIN: **Donnerstag, 30.10.2008**

Uhrzeit: **17.00 Uhr**

Ort: **ILT Aachen, Schulungsraum**

The HERA accelerator ceased operations at the end of June, 2007, after a 15 year span of very successful operation. In this seminar, the physics of the “wee” partons, is reviewed. This is the physics of very short-lived virtual quarks, antiquarks and gluons, found at the heart of all matter, which has been so fascinatingly elucidated by the HERA data. A parton is a basic constituent of a hadron, particles held together by the strong force, such as a proton or neutron. The current understanding of the structure of matter in terms of these partons will be discussed, and recent conceptual developments highlighted.

Ansprechpartner im ILT: Dr. E. W. Kreuz, DW -146