



Graduate Physics Seminar
Monday, 21 March 2011 from 4 PM
University of Nova Gorica, Ajdovščina site
Auditorium

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Exploring the structure of nucleons by electron scattering

Abstract

The proton is the simplest atomic nucleus, yet only by using an appropriate probe – high-energy electron beams – does it reveal its fundamental properties. The proton's nucleonic partner, the neutron, is even a tougher nut to crack as it is electrically neutral and no free neutron targets exist. In the past decade experimental techniques have matured to a point where the properties of both particles can be studied with great precision. A few such methods will be illustrated.