



Università degli Studi di Cagliari
Dipartimento di Fisica



Istituto Nazionale di Fisica Nucleare
Sezione di Cagliari
High Energy Theory Group

Avviso di Seminario

Martedì 13 Maggio 2008
h. 15:00 – Aula D

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Trinity College - Dublin

POLARIZED ANTI PROTONS, FORM FACTORS AND TRANSVERSE SPIN

An outline is provided of methods for polarizing antiprotons in the context of seeking the partonic structure of a nucleon. As indicated by the PAX collaboration, there is a distinct need for studies of the nucleon using antiquarks as probes and, in particular, spin polarized antiprotons for measurements of transversity and the time-like form factors of a proton. The use of channelling in a bent crystal and the scattering off leptons or protons at small angles are discussed as examples of some proposed techniques of attempting to polarize antiprotons.