

SEMINARIO
Departamentos de Física Teórica I y II
Universidad Complutense de Madrid

INVITADO: Dr. A. Calle Cordón

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TITULO: Colorful Baryon Chiral Perturbation Theory: One-baryon sector

LUGAR: FACULTAD DE CIENCIAS FÍSICAS UCM

DÍA: 08 de enero, 2013 (Martes)

HORA: 14:30

AULA: Seminario Depto. Física Teórica II, Planta 2ª

ABSTRACT

In this talk I am going to analyze an effective theory for baryons with combined $1/N_c$ and chiral expansions. Masses and axial couplings are studied to one-loop in the effective theory. By analyzing recent lattice QCD results, we will see that the spin-flavor approximate symmetry, consequence of the large N_c limit in baryons, plays a very important role in the real world with $N_c = 3$.