

Dottorato di Ricerca in Fisica dell'Università degli Studi di Messina
7 Luglio 2011, ore 15.00, Aula E. Majorana, Dip.to di Fisica,
V.le F. Stagno d'Alcontres 31, S. Agata, Messina

Seminar title:

MESON PHOTOPRODUCTION AT GRAAL AND MAMBO

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Abstract

Meson photoproduction on the nucleon is a powerful tool for the understanding of the nucleon structure and of the baryon resonances involved in the reaction process. Polarized photon beams, in combination with large solid angle apparatus and/or high precision spectrometers, allow to access polarization observables, which are particularly sensitive to the properties of baryon resonances, such as parity and spin. Some of the main results of the GRAAL experiment in Grenoble and the future plans for the MAMBO experiment, which is presently under construction in Bonn, will be shown and discussed in detail.