

Experimental overview on the eta and eta' meson production

Thursday, 18 September 2014 15:00 (30 minutes)

During last decade large samples of data have been collected on the production of the ground-state mesons in collisions of proton or deuteron beam with hydrogen or deuterium target. These measurements have been performed in the vicinity of the kinematical threshold where only a few partial waves in both initial and final state are expected to contribute to the production process. This simplifies significantly the interpretation of the data, yet still appears to be challenging due to the few particle final state systems with a complex hadronic potential. We will review experiments and phenomenology of the near threshold production of the eta and eta-prime mesons in the proton-proton and proton-deuteron collisions.

Primary author: Prof. MOSKAL, Pawel (Jagiellonian University)

Presenter: Prof. MOSKAL, Pawel (Jagiellonian University)