

Measurements of hadronic interactions using the nuclear emulsion detector

Wednesday 27 September 2017 10:00 (30 minutes)

Nuclear emulsion records all trajectories of charged particles with sub-micron spatial resolution and specializes in detailed measurements of topologies of various particle interactions. Remarkable increase in the readout speed of the emulsion scanning system has realized data acquisition from the full volume of emulsion chambers and the minimum-biased analysis. In this talk, we report the current status of measurements of hadronic interactions in the running emulsion experiments: the balloon-borne experiment GRAINE, the fixed target accelerator experiment DsTau at SPS/CERN, etc.

Relevant topics

hardware and future projects, cosmic ray

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