

Future meson structure studies with AMBER

Tuesday, 17 October 2023 11:30 (20 minutes)

AMBER is a new fixed-target facility at the M2 beam line of the CERN SPS, devoted to various QCD measurements aiming at addressing some fundamental issues of strong interaction in the medium and long-term future.

In particular the world-unique SPS M2 beam line, when operated with high-energy pions and kaons, can be used to shed light on the meson structure and the origin of hadron masses. This is deeply connected to the parton dynamics and how it differs in protons or mesons.

The rich physics program planned at the AMBER facility with pion(kaon)-induced Drell-Yan and charmonium and direct-photon production will be presented in this talk. World competition and timelines will be also discussed.

Parallel Session

Nucleon Structure in DIS

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Session Classification: Nucleon Structure in DIS