HAW14-2014-000285

Abstract for an Invited Paper for the HAW14 Meeting of the American Physical Society

High-Energy Exclusive Reactions at J-PARC

JEN-CHIEH PENG, University of Illinois at Urbana-Champaign

The construction for a high-momentum beam line at J-PARC has been funded. This beam line will provide primary proton beam of 30 GeV, as well as secondary beams (pion, kaon, antiproton) up to ~ 15 GeV/c. We discuss the physics opportunities offered by this high-momentum beam line. In particular, the prospect for measuring exclusive dilepton production with meson beams, and the complimentarity of such measurements to the exclusive reactions programs at JLab and COMPASS will be presented.