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Dip-bump structure in proton diffractive dissociation at the LHC

Wednesday, May 29, 2024 4:00 PM (12 minutes)

For the first time a dip and bump in the differential cross section of proton diffractive dissociation at t=-4 (GeV)^2 and various missing masses, typical of present and future LHC measurements is predicted. Future experiments at the LHC will verify the prediction and the model behind it.

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