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Recent developments in exclusive photoproduction of excited vector mesons

Sunday, 25 September 2022 08:45 (20 minutes)

I will briefly overview the current status of phenomenological research in exclusive and diffractive photoproduction of excited vector mesons. The talk would cover the formalism and the key results on photo- and electroproduction observables of both heavy quarkonia states and light vector mesons in the color dipole picture. The key challenges in QCD modelling of such reactions including the basic aspects of low-x QCD dynamics and saturation would be outlined.

Presenters: PASECHNIK, Roman (Lund university); PASECHNIK, Roman; PASECHNIK, Roman (Lund university)

Session Classification: Recent theoretical results on QCD and saturation

Track Classification: Diffraction in e-p and e-ion collisions