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Vector meson production in ultra-peripheral collisions at the LHC

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By using a Regge-pole model for vector meson production (VMP), successfully describing the HERA data, we analyze the correlation between VMP cross sections in photon-induced reactions and those in ultra-peripheral collisions at the Large Hadron Collider (LHC). The important role of non-linear trajectories is emphasized. Predictions for future experiments on production of J/ψ and other vector mesons are presented.

Primary author: Prof. JENKOVSKY, Laszlo (Bogolyubov Institute for Theoretical Physics, National Academy of Sciences of Ukraine)

Presenter: Prof. JENKOVSKY, Laszlo (Bogolyubov Institute for Theoretical Physics, National Academy of Sciences of Ukraine)

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