

Light vector meson photoproduction in ultraperipheral heavy ion collisions at the LHC within the Reggeometric Pomeron approach

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Abstract By using the Reggeometric Pomeron model for vector meson production which successfully describes the high energy lepton-nucleon data, we analyze the light meson production in ultra-peripheral heavy-ion collisions at the Large Hadron Collider (LHC). The rapidity distributions for rho and phi photoproduction in lead-lead, xenon-xenon and oxygen-oxygen collisions are investigated.

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