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## Results on Ultra-Peripheral Collisions of Lead Ions with ATLAS at LHC

Preliminary results of the study of ultraperipheral ( $\gamma\gamma$  and  $\gamma p$ ) interactions are presented. The analysis was performed with the data recorded by the ATLAS experiment during the LHC Pb-Pb run in 2011. The data, taken at the beam energy of 2.76 TeV per nucleon, correspond to an integrated luminosity of 152  $\mu\text{b}^{-1}$ . Muon pairs, produced in pure electromagnetic two-photon interactions and in reactions of  $J/\psi$  photoproduction, were analysed. A preliminary cross section for the  $AA \rightarrow AA + \mu\mu$  reaction has been determined from these studies.

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