

# Nuclear gluon effects in gamma+Pb collisions at the LHC

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By studying quarkonia photo-nuclear production, the ALICE and CMS collaborations have recently provided experimental evidence of nuclear gluon effects in gamma+Pb interactions at unprecedented low Bjorken- $x$  values in the Pb nucleus. In this talk, an experimental and theoretical review about these studies will be given. The prospect of innovative measurements using the run 2 data will be described.

**Primary author:** TAKAKI, Daniel Tapia (University of Kansas, Lawrence, USA)

**Presenter:** TAKAKI, Daniel Tapia (University of Kansas, Lawrence, USA)

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