

# Production of exotic systems by photon-induced interactions at the LHC and EIC: Recent results and prospects

*Monday, September 23, 2024 11:00 AM (40 minutes)*

In this contribution, I will present a brief review of the recent results that demonstrate that the study of particle production by photon - induced interactions at the Large Hadron Collider (LHC) can be used to improve our understanding about exotic systems as, e.g., tetraquarks and pentaquarks. In addition, prospects to investigate these particles in the future electron-ion collider (EIC) will also be discussed.

**Author:** GONÇALVES, Victor (Universidade Federal de Pelotas)

**Presenter:** GONÇALVES, Victor (Universidade Federal de Pelotas)