

11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



Beitrag ID: 152

Typ: Talk

Detailed study of the nuclear modification of Υ states in pPb and PbPb collisions with CMS

Dienstag, 28. März 2023 15:40 (20 Minuten)

Bottomonia, the heaviest known mesons, represent major probes of strongly interacting matter properties. In the context of nuclear collisions, the binding energies separating the $\Upsilon(nS)$ states ($n=1, 2, \text{ or } 3$) offer an experimental handle to characterize the medium formed. In this talk, we study the modification of the production of the three Υ mesons in both pPb and PbPb collisions with the latest measurements carried out with the CMS detector. The results are compared with model calculations in order to interpret the data.

Experiment/Theory

CMS

Affiliation

CMS

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Sitzung Einordnung: Parallel: Heavy Flavours & Quarkonia

Track Klassifizierung: Heavy flavor and quarkonia