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Charmonia in Media

Wednesday 19 July 2023 11:45 (45 minutes)

The J\ψ meson, discovered simultaneously in 1974 at Brookhaven National Laboratory and the Stanford Linear Accelerator, remains a focus of great interest today to physicists worldwide. J/ψ analyses are published regularly in heavy-ion physics that range from elliptic flow in pA and AA collisions to ratios of J/ψ and its excited state the ψ(2S), as well as photo-production, nuclear modification, multiplicity, and polarization measurements. Many aspects of charmonia and its interactions in heavy-ion collisions remain challenging for experimentalists and theorists alike. This talk will discuss and compare the most recent experimental results on charmonia from the ALICE, ATLAS, CMS, LHCb, PHENIX, and STAR Collaborations with current theoretical predictions.

Consent

I consent to recording/broadcasting my presentation.

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