

Novel effects in J/Psi production in Nuclei

Colliding nuclei consist of nucleons with a shifted scale, which makes such a medium more opaque for dipoles. Therefore J/Psi will be more suppressed than predicts a simple extrapolation from pA to AA. Another effect is an enhanced color transparency. A cbar dipole propagates simultaneously through both colliding nuclei. Due to color filtering one nucleus absorbs dipoles of larger size, and this make the other nucleus more transparent (compared with that in pA) for such small dipoles which survived in the first nucleus.

Primary author: Prof. SCHMIDT, Ivan (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)

Presenter: Prof. SCHMIDT, Ivan (Universidad Tecnica Federico Santa Maria, Valparaiso, Chile)

Track Classification: Saturation