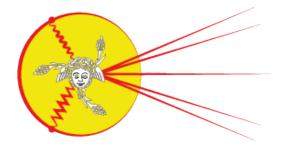
Diffraction 2016



Contribution ID: 114 Type: not specified

Recent results from the STAR experiment on Vector Meson (VM) production in ultra peripheral AuAu collisions at RHIC.

Wednesday, 7 September 2016 18:30 (25 minutes)

In this talk we shall present the measurements involving photonuclear production of vector meson (rho, omega, J/psi) and non-resonant pion pair in AuAu ultra peripheral collisions (UPC) at RHIC. Measurements of the relative amplitudes of the light vector mesons and direct pion pair components will be presented, along with the phase angle between the rho and omega components. The negative of the four momentum transfer squered (t) spectrum shows coherent and incoherent components. The coherent component exhibits visible diffraction minima. Preliminary results for the cross section as a function J/psi rapidity and transverse momentum will be presented and compared to models.

Plans for the future will also be discussed.

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Session Classification: Diffraction in nuclear collisions (II)

Track Classification: Diffraction in nuclear physics