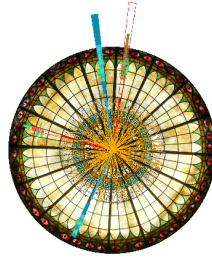


DIS 2015

XXIII International Workshop on
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Holographic Approach to DIS at Small- x at High Energy

Tuesday 28 April 2015 14:00 (25 minutes)

We focus on a holographic approach to DIS at small- x in high energy where scattering is dominated by exchanging a Reggeized Graviton in AdS_5 . We emphasize the importance of confinement, which corresponds to a deformation of AdS_5 geometry in the IR. This approach provides an excellent fit to the combined HERA data at small x . We also discuss the constraints of unitarity and causality, and show how these constraints are resolved by the inclusion of string modes.

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Presenter: Prof. TAN, Chung-I (Brown University)

Session Classification: WG2 Small- x , Diffraction and Vector Mesons

Track Classification: WG2 Small- x , Diffraction and Vector Mesons