Contribution ID: **240** Type: **Poster**

A simple technique to improve the calculation of holographic collisions

Further progress in simulating heavy ion collisions via holography, beyond the collision of localized, broad, Gaussian shocks, is held back by numerical difficulties of solving 5D Einstein equations with initial conditions corresponding to localized projectiles with a large difference between longitudinal and transverse scales. Recent techniques are discussed which turn this obstacle into an advantage. We apply this to work towards colliding holographic models of heavy ions with realistic aspect ratios and a realistic, granular structure, corresponding to individual nucleons.

Author: Dr WAEBER, Sebastian (University of Washington & Technion - Israel Institute of Technology)

Presenter: Dr WAEBER, Sebastian (University of Washington & Technion - Israel Institute of Technology)

Session Classification: Reception & Poster session