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Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

6d (2,0) correlators and quantum M-theory (Zoom Seminar)

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(University of Oxford)

Date: August 3, 2020

Time: 2:30 PM IST

Zoom link shall be shared separately

We study holographic correlators in maximally super-symmetric conformal field theories. This includes the 6d (2,0) theory, where our computation is dual to graviton scattering in weakly coupled M-theory on $AdS_7 \times S^4$. Although the theory is non-Lagrangian, analytic bootstrap techniques allow us to make computations to one loop order. The flat space limit of our results exactly reproduces the 11d M-theory S-matrix in flat space.

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