



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

THE HIGHER SPIN SQUARE

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(International Centre for
Theoretical Sciences, Bengaluru)

Date: September 28, 2015

Venue: A-304, TIFR

Time: 11.30 am



(Duration and Location are subject to irreducible jitter)

It is useful to try and study backgrounds of string theory which exhibit a large unbroken symmetry. In this context, we describe how the unbroken stringy symmetries of the orbifold CFT dual to strings on $AdS_3 \times S^3 \times T^4$ can be usefully viewed through the lens of higher spin symmetry. We find a novel structure – the higher spin square – which is generated by two independent higher spin symmetries. This structure appears to be a useful way to also characterise the matter content of the theory.