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# Massive world-sheet S-matrices of integrable string theories

*Wednesday 28 August 2013 17:00 (1 hour)*

Recently there has been substantial progress in the study of world-sheet S-matrices describing the scattering of massive modes in various (BMN light-cone gauge-fixed and decompactified) $AdS_3$ x $S^3$ x $M^4$ string theories via both perturbation theory and integrability. In this talk I will outline these developments, present some preliminary results for $AdS_2$ x $S^2$ x $T^6$, and attempt to put them into context through comparisons with the well-known case of $AdS_5$ x $S^5$.

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