

APCTP SEMINAR

Integrated correlators and holography of mass deformed super Yang Mills theory

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We consider the 2nd integrated correlators of $N=4$, $D=4$ super Yang-Mills theory, especially those which can be associated with $N=1^*$ mass-deformed theories. We provide an analytic derivation of the integrals at supergravity tree level, which has not been available so far. Our result agrees with the previous results from the study of BPS solutions in the dual supergravity models.

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