

Gravity on Noncommutative D-Branes

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By using the scattering of two gravitons with a D-brane in Bosonic string theory it is possible to find the Einstein-Hilbert action on the D-branes. We show the modification to this action due to presence of a constant antisymmetric field on the D-brane, which up to the first order in α' is a gravitational action on noncommutative space-time of a D-brane.