

Investigating the graviton production in future electron-positron colliders

Tuesday 20 March 2018 16:00 (1 hour)

The production of gravitons via two-photon fusion and ZZ fusion processes are considered using the scale of the gravitational interactions around a few TeV. We focus on the expected energies of the proposed electron-positron colliders with a center-of-mass energy at the TeV scale. The number of events is predicted, and the background from the Standard Model is analyzed. The dependence on the effective Planck scale and on the number of extra dimensions is investigated.

Summary

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