

Fermion scattering on deformed extra space

Friday, 9 October 2015 14:15 (15)

Fermions are considered in a multidimensional space with two extra dimensions. Fermion Lagrangian contains coupling to a metric of deformed extra space. We show that the point-like defect on a space with topology of sphere leads to fermion interaction with such defect and calculate cross section of a fermion scattering on such defect.

Presentation type

Section talk (10+5 min)

Primary author(s) : Mr. DMITRIEV, Alexandr (NRNU MEPhI)

Co-author(s) : GROBOV, Alexey (NRNU MEPhI)

Presenter(s) : Mr. DMITRIEV, Alexandr (NRNU MEPhI)

Session Classification : Nuclear physics and particle physics - parallel XI

Track Classification : Nuclear physics and particle physics