



Contribution ID: 123

Type: parallel talk

Model Independent Approach to Inelastic Dark Matter

Monday 4 May 2015 14:30 (15 minutes)

We present a model independent approach for low-energy scattering of inelastic dark matter. We find the relevant nonrelativistic variables which describe these processes are very similar to the operators discussed by Fitzpatrick *et al* with the modification of the v^\perp variable. Taking this into account, we list the relevant matrix elements and modify the *Mathematica* package of Anand *et al* which calculates the nuclear form factors corresponding to specific nuclear responses.

Authors: NEWBY, Chris; BARELLO, Gregory (University of Oregon); CHANG, Spencer (University of Oregon)

Presenter: NEWBY, Chris

Session Classification: Dark Matter I