ID de Contribution: **6**   Type: **YSF (Young Scientists Forum)**

One loop correction in the NMSSM with SloopS

mardi 17 mars 2015 19:37 (5 minutes)

We describe the on-shell renormalisation of the neutralino/chargino and sfermion sector of the NMSSM as implemented in Sloops, an automatized code for the calculation of one-loop process at colliders and in astroparticle physics. Applications to the computation of radiative corrections in decay of neutralinos are presented. A comparison of the results of different renormalization schemes is performed.

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Classification de Session: Young Scientist Forum 2

Classification de thématique: Theory