

CMS Simulation (LHE) ctauExp_3_8 TeV

Fraction of events / 1 GeV

$pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$

$m_h = 125_{\text{mGammaD}_0} \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_D} = 10 \text{ GeV}$

$m_{\gamma_D} = 0.250_{\text{ctauEx.250_ctauExp_3_8T}} \text{ GeV}, \text{ctau}_{n_1} = 250 \text{ fs}$

— 1st neutralino

— 2nd neutralino

0.25

0.2

0.15

0.1

0.05

0

0

10

20

30

40

50

60

70

p_T of n_1 [GeV]

