

# CMS Simulation (LHE) ctauExp\_2\_8 TeV

Fraction of events / 1 GeV

$pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$   
 $m_h = 125_{\text{mGammaD}_0} \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_D} = 10 \text{ GeV}$   
 $m_{\gamma_D} = 0.250_{\text{ctauExp.250\_ctauExp\_2\_8T}} \text{ GeV}, \text{ctau}_{n_1} = 250 \text{ fs}$

— 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]

