Zenith range:  $0^{\circ}$  -  $90^{\circ}$ , Center Distance = 0m - 1000.0m, Rate = 0.125 1/sLeading bundle energy OC 6ms 01  $0.054\pm0.012$  s, rate = 0.125 1/s, bundle cut = 41.6 TeV  $10^{0}$ precut bundle energy 3inputs 6ms 01  $0.007\pm0.004$  s, rate = 0.125 1/s, bundle cut = 40.6 TeV precut bundle energy 3inputs 6ms 1conv 01  $0.015\pm0.004$  s, rate = 0.125 1/s, bundle cut = 42.6 TeV precut bundle energy 3inputs 6ms 2conv 01  $0.016\pm0.005$  s, rate = 0.125 1/s, bundle cut = 43.2 TeV precut\_bundle\_energy\_3inputs\_6ms\_2conv\_small\_01 0.006±0.003 s, rate = 0.125 1/s, bundle cut = 40.9 TeV precut\_bundle\_energy\_3inputs\_6ms\_v2\_01  $0.007\pm0.004$  s, rate = 0.125 1/s, bundle cut = 42.9 TeV precut\_bundle\_energy\_OC\_6ms\_01  $0.010\pm0.004$  s, rate = 0.125 1/s, bundle cut = 42.4 TeV precut bundle energy OC 6ms 02  $0.027\pm0.006$  s, rate = 0.125 1/s, bundle cut = 42.1 TeV precut bundle energy OC 6ms  $03.0.046\pm0.010$  s, rate = 0.125.1/s, bundle cut = 42.0 TeV precut bundle energy OC 6ms 04  $0.020\pm0.006$  s, rate = 0.125 1/s, bundle cut = 42.0 TeV precut bundle energy leading energy rel OC 6ms 01 0.027±0.006 s, rate = 0.125 1/s, bundle cut = 42.1 TeV precut bundle energy leading energy rel OC 6ms 02 0.026±0.006 s, rate = 0.125 1/s, bundle cut = 42.7 TeV precut\_bundle\_energy\_multi\_OC\_6ms\_01  $0.019\pm0.005$  s, rate = 0.125 1/s, bundle cut = 41.6 TeV precut bundle energy multi OC 6ms 02  $0.011\pm0.004$  s, rate = 0.125 1/s, bundle cut = 44.2 TeV precut\_bundle\_energy\_multi\_OC\_6ms\_03  $0.009\pm0.003$  s, rate = 0.125 1/s, bundle cut = 43.8 TeV precut\_bundle\_energy\_multi\_OC\_6ms\_04  $0.009\pm0.003$  s, rate = 0.125 1/s, bundle cut = 43.8 TeV precut\_bundle\_energy\_3inputs\_6ms\_at\_surface\_01 0.007±0.004 s, rate = 0.125 1/s, bundle cut = 44.1 TeV  $10^{-2}$ precut surface bundle energy 3inputs 6ms 01 0.007±0.004 s, rate = 0.125 1/s, bundle cut = 211.3 TeV  $10^{5}$  $10^{6}$  $10^{7}$  $10^{4}$ 108

MCLabelsLeadingMuons bundle energy in mctree

precut bundle energy 3inputs 6ms at surface  $01 \ 0.007 \pm 0.004 \ s$ , rate =  $0.125 \ 1/s$ , bundle cut =  $228.0 \ TeV$