Secondary to Muon Track Length Ratio (10m no spill out/in, n=1600 per energy) muloni muBrems muonNuclear 0.8 muPairProd All Processes (Sum) leif tania Sec Track Length / Muon Track Length 0.2 0.0  $10^1$ 10<sup>2</sup> 10<sup>3</sup> 104 10<sup>5</sup> 10<sup>0</sup>  $10^{6}$ 

Energy (GeV)