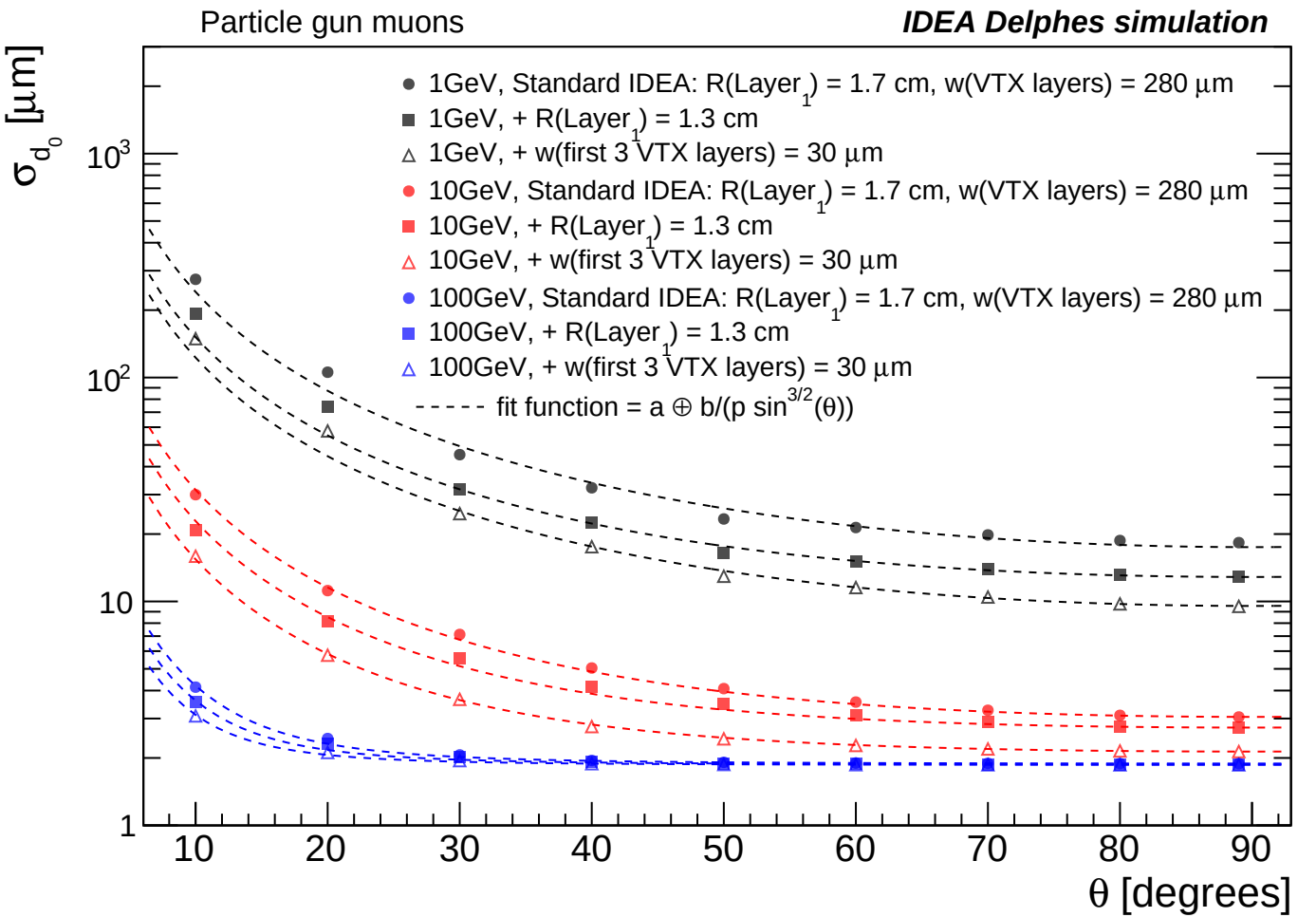
Particle gun muons
IDEA Delphes simulation
σ_{d_0} [μm]
1GeV, Standard IDEA: R(Layer$_1$) = 1.7 cm, w(VTX layers) = 280 μm
1GeV, + R(Layer$_1$) = 1.3 cm
1GeV, + w(first 3 VTX layers) = 30 μm
10GeV, Standard IDEA: R(Layer$_1$) = 1.7 cm, w(VTX layers) = 280 μm
10GeV, + R(Layer$_1$) = 1.3 cm
10GeV, + w(first 3 VTX layers) = 30 μm
100GeV, Standard IDEA: R(Layer$_1$) = 1.7 cm, w(VTX layers) = 280 μm
100GeV, + R(Layer$_1$) = 1.3 cm
100GeV, + w(first 3 VTX layers) = 30 μm
fit function = a ⊕ b/(p sin$^{3/2}$(θ))
10^3
10^2
10
1
10
20
30
40
50
60
70
80
90
θ [degrees]