Vertex Z χ^2 vs. σ_{tot}

$\chi^2_{VertexZ}$ = 37.09 + -0.14 σ + 0.00 σ^2

Min($\chi^2_{VertexZ}$) = 16.23

σ_{min} = 294.54 mb

σ values for Min($\chi^2_{VertexZ}$) + 1 :

σ_1 = 230.06, σ_2 = 359.02

χ^2

σ_{tot} (mb)