Response distributions  $p_T$  - Response distribution  $\eta$  - Response distribution Mean = -2.5997E-05Mean = 1.4912E-04 $10^{5}$  $10^{5}$ NaNs & Infs = 0.0%NaNs & Infs = 0.0% $10^{4}$  $10^{4}$ Counts  $10^{3}$  $10^{3}$  $10^{2}$  $10^{2}$  $10^{1}$  $10^1$  $10^{0}$  $10^{0}$ -0.3-0.20.0 0.3 **-**5 -0.10.1 0.2 -1010 15  $\phi$  - Response distribution mass - Response distribution Mean = -7.3694E-04Mean = -1.2872E+00 $10^{5}$ 10<sup>5</sup> NaNs & Infs = 0.0%NaNs & Infs = 0.0106% $10^{4}$  $10^{4}$ Counts  $10^{3}$ 10<sup>3</sup>  $10^{2}$  $10^2$  $10^{1}$  $10^{1}$ 10<sup>0</sup>  $10^{0}$ -80 -60 **-**20 -400000 -200000 200000 -40