Response distributions  $p_T$  - Response distribution  $\eta$  - Response distribution Mean = -9.9799E-07Mean = -8.4138E-07 $10^{5}$  $10^{5}$ NaNs & Infs = 0.0%NaNs & Infs = 0.0% $10^{4}$  $10^{4}$ Counts  $10^{3}$  $10^{3}$  $10^2$  $10^{2}$  $10^{1}$  $10^{1}$  $10^{0}$  $10^{0}$ -0.0020.000 0.004 -0.10.2 0.3 0.4 -0.0040.002 0.0 0.1  $\phi$  - Response distribution mass - Response distribution Mean = -6.8945E-06Mean = -1.3232E-02 $10^{5}$ 10<sup>5</sup> NaNs & Infs = 0.0%NaNs & Infs = 0.01% $10^{4}$  $10^{4}$ Counts  $10^{3}$  $10^{3}$  $10^2$  $10^{2}$  $10^{1}$  $10^{1}$  $10^{0}$  $10^{0}$ -0.3-0.2-0.10.1 -5000 -4000 -3000 -2000 -1000 1000 -0.40.0 0