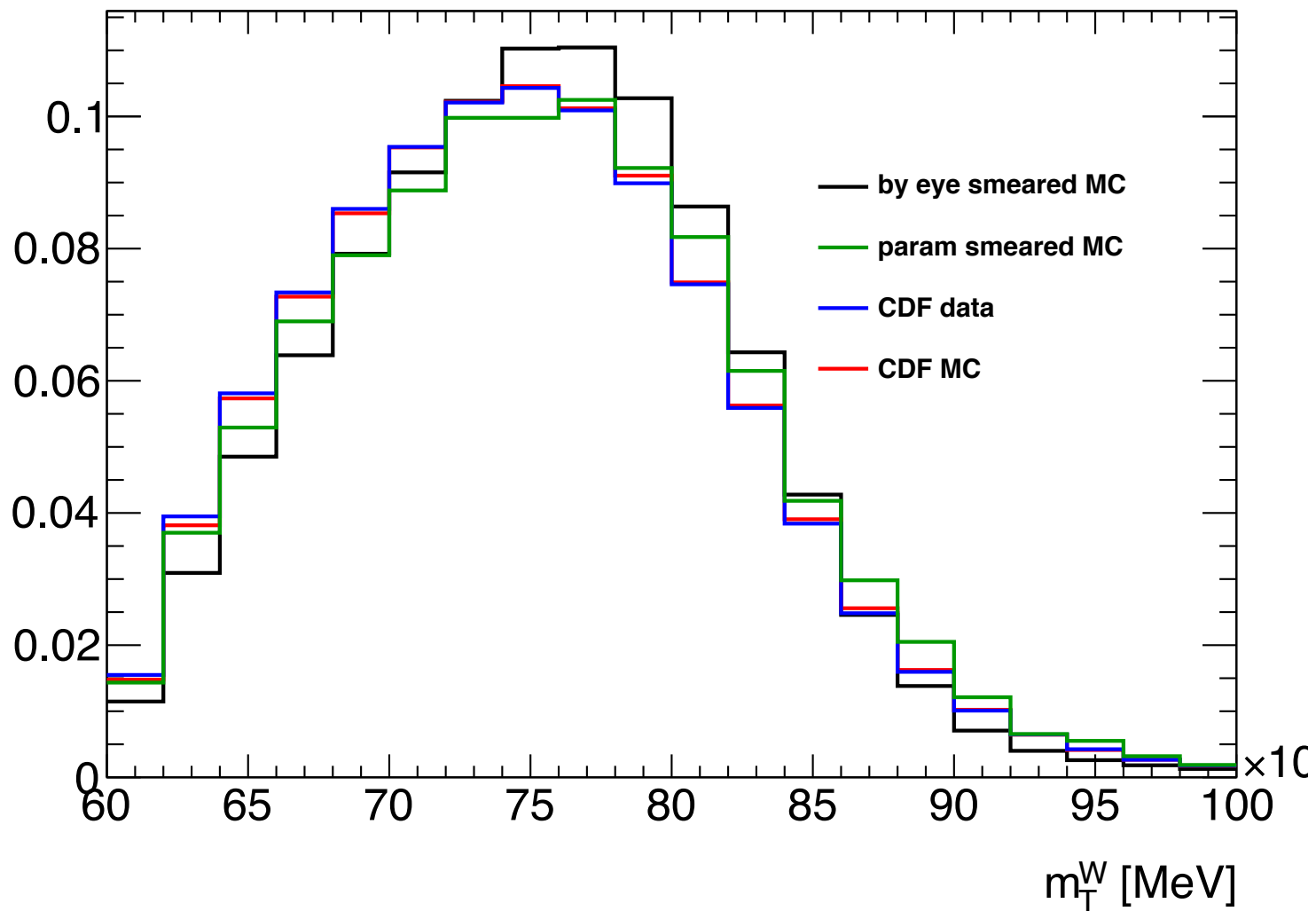


Based on the parameterisations provided by Chris and the formulas in the paper



Selection cuts: W samples emulating Z configuration

$p_T(\text{el,nu}) > 18 \text{ GeV}$, $\eta(\text{el,nu}) < 1$, $p_T < 30 \text{ GeV}$

Recoil Response

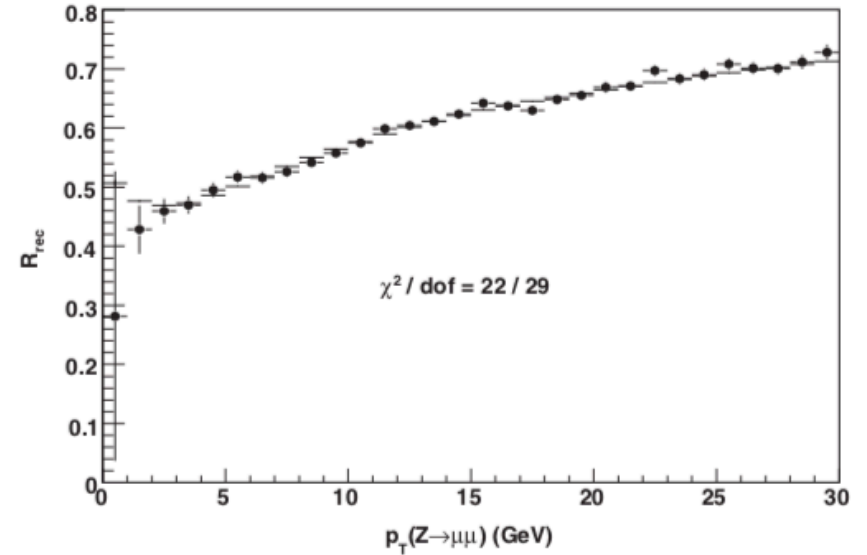
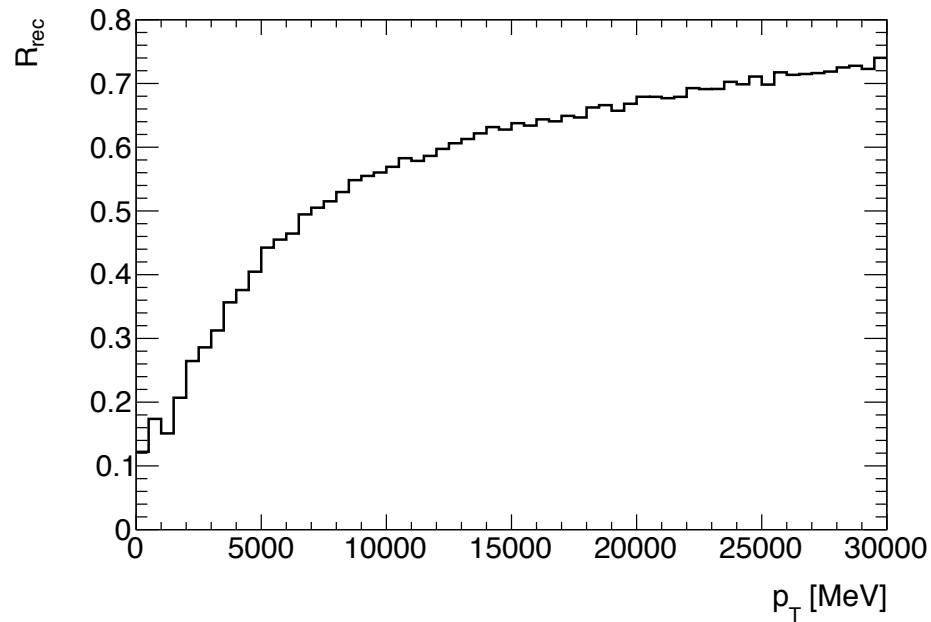


FIG. 29. Mean value of $R_{\text{rec}} \equiv -\vec{u}_T \cdot \hat{p}_T^{\mu\mu} / p_T^{\mu\mu}$, which approximates the recoil response R , as a function of dimuon p_T . The distribution motivates the logarithmic parametrization of the response. The simulation (lines) models the data (circles) accurately.

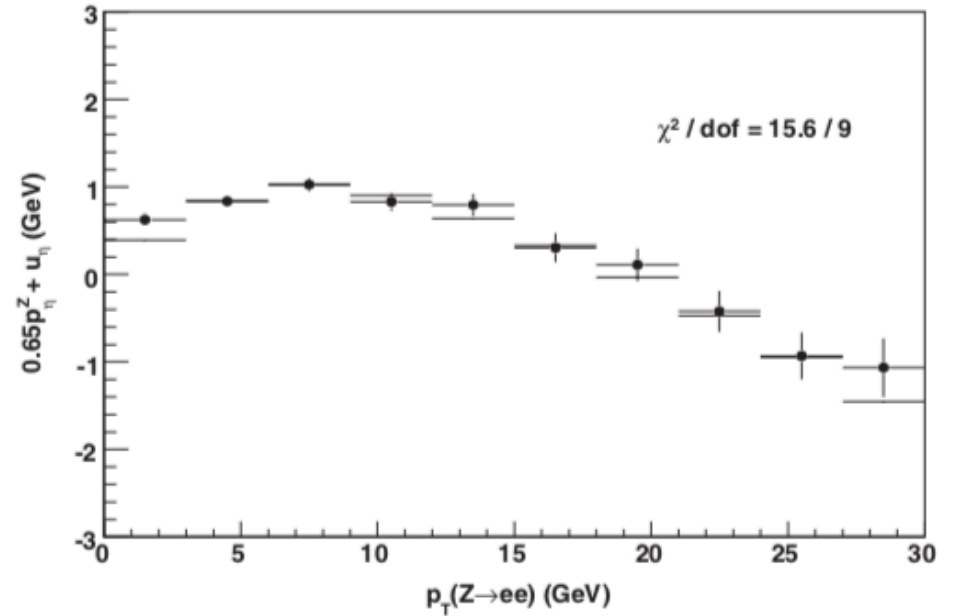
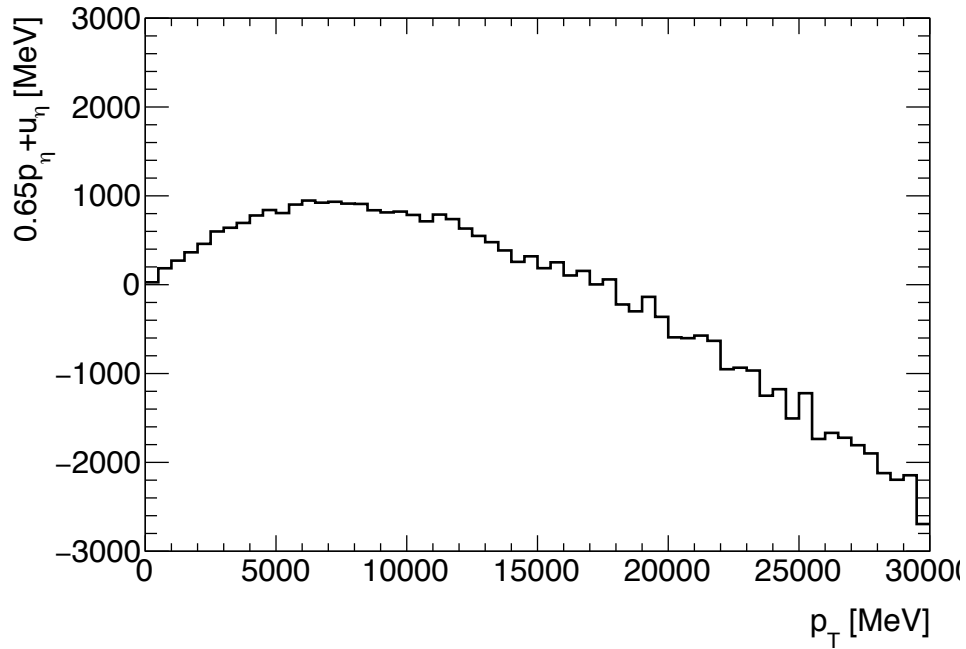


FIG. 30. Distribution of $0.65p_{\eta}^{\ell\ell} + u_{\eta}$ for Z-boson decays to muons (top) and electrons (bottom) as a function of Z-boson p_T in simulated (lines) and experimental (circles) data. The detector response parameters are obtained by minimizing the combined χ^2 of these distributions.

