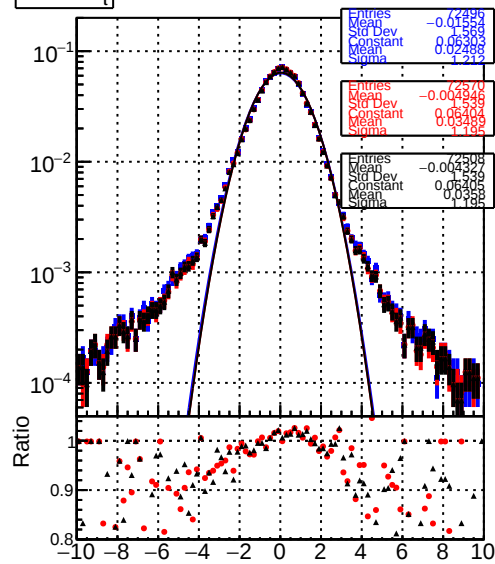
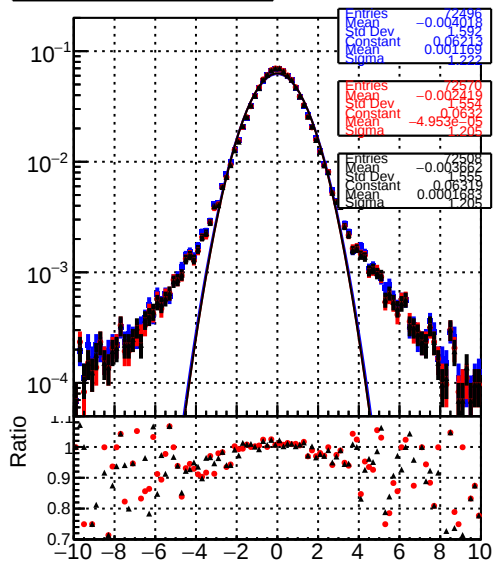
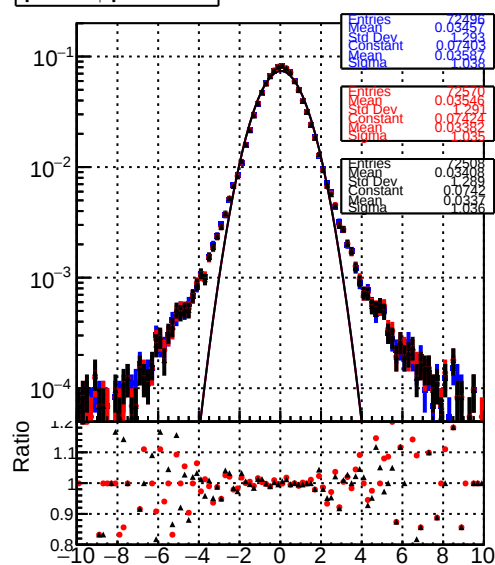
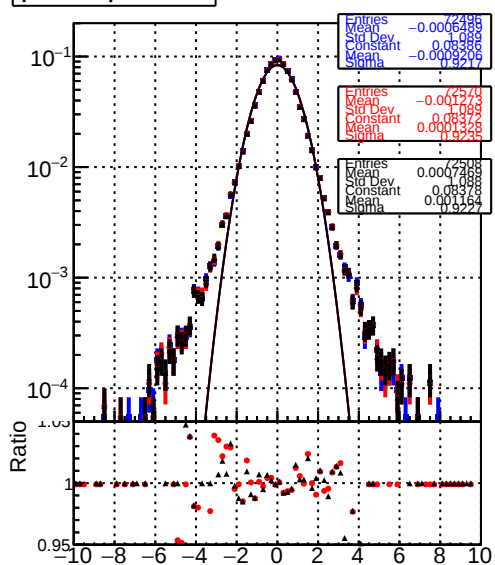
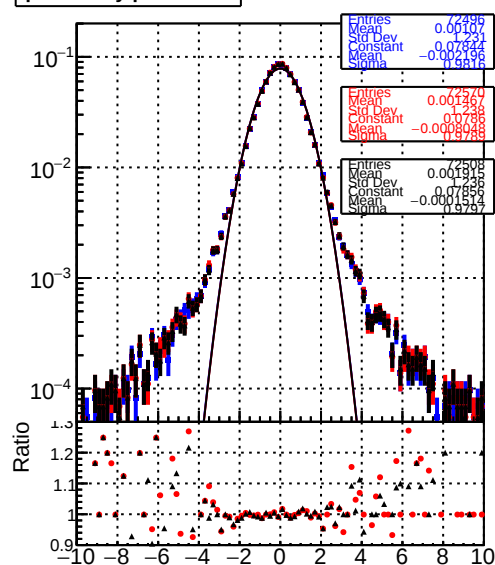


pull of  $p_t$ 

pull of qoverp parameter



— BOM original step2 ttbar-phase1-newgeom  
 — BOM pixelCPE template step2 ttbar-phase1-newgeom

pull of  $\phi$  parameterpull of  $\theta$  parameterpull of  $dx_y$  parameterpull of  $dz$  parameter