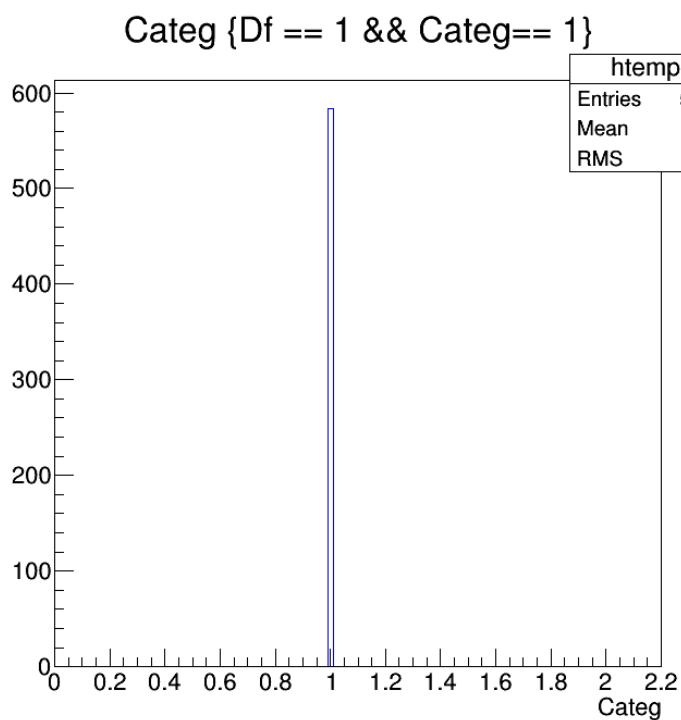
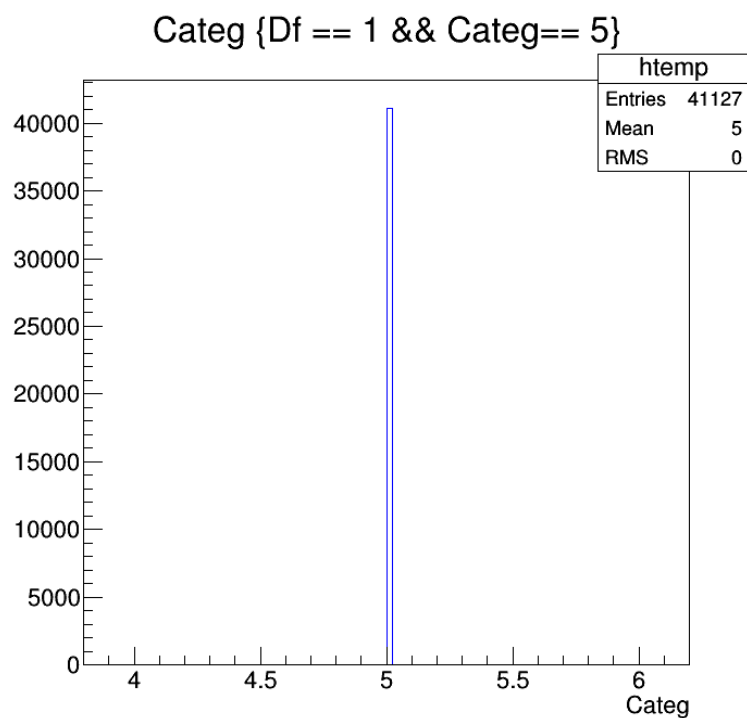


Signal

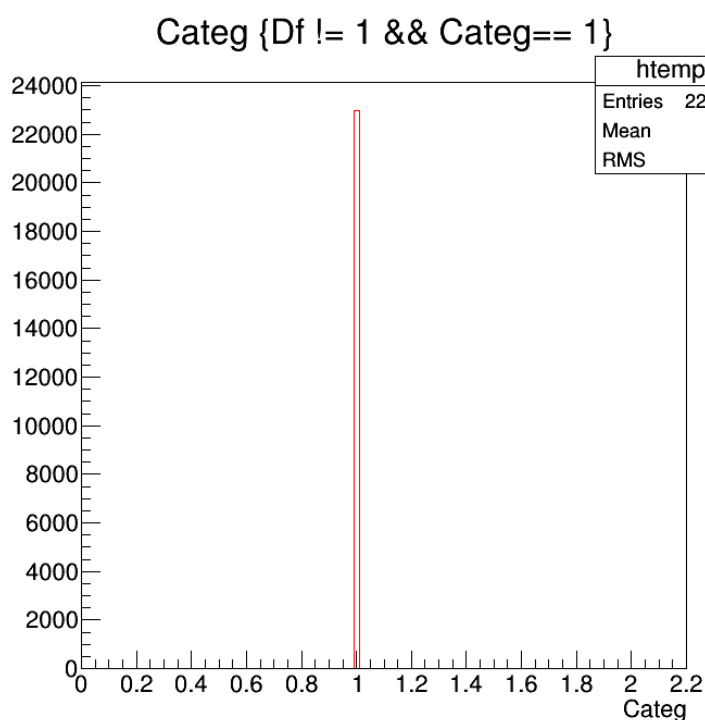


Category 1

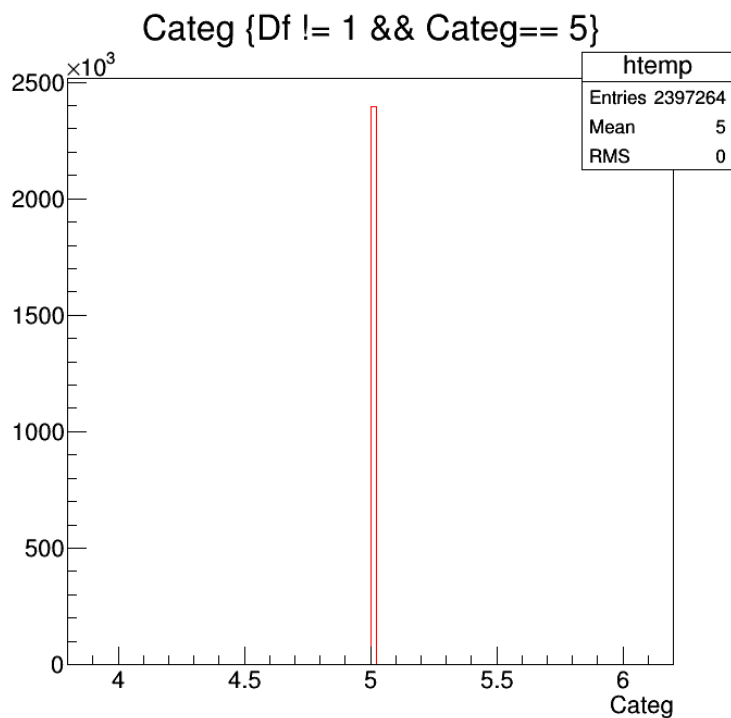


Category 5

Background



Category 1



Category 5

Expected improvement in sigma_Acp = $\sqrt{1 + (584 / 41,127)}$ - 1
 = 1.007 - 1.0 = 0.007 (or **0.7%**)

So including category-1 may not be worth the effort