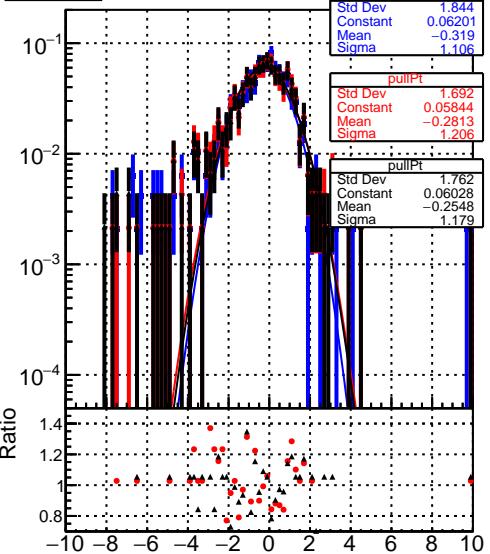
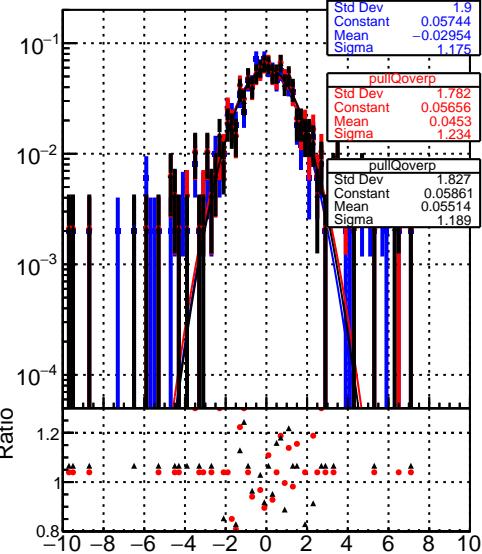


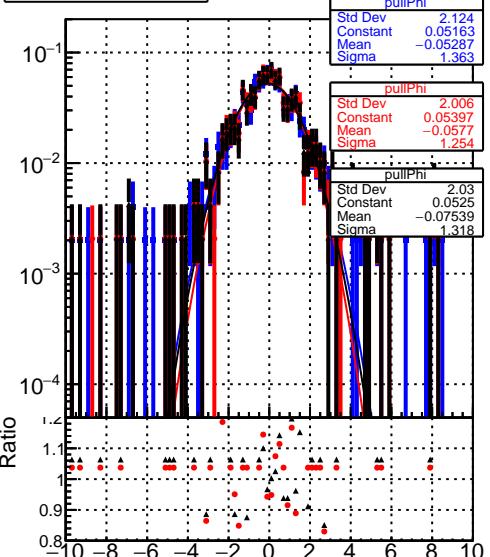
### **pull of $p_t$**



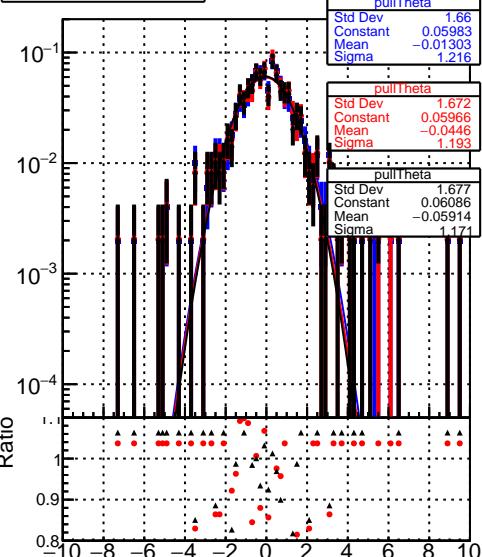
### **pull of qoverp parameter**



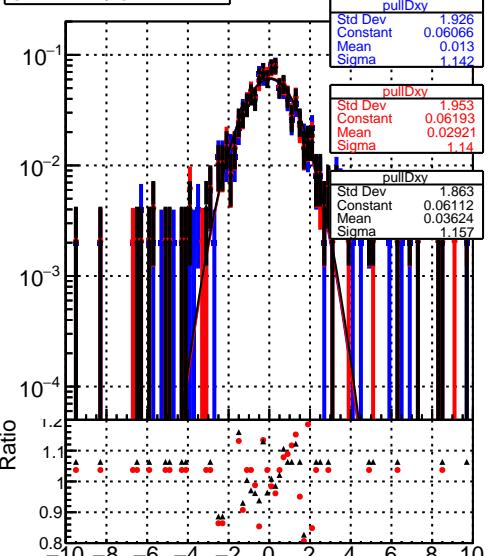
### **pull of $\phi$ parameter**



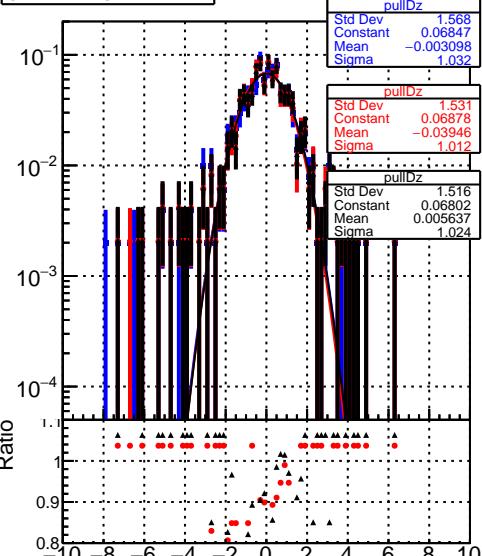
### **pull of $\theta$ parameter**



### **pull of dxy parameter**



### **pull of dz parameter**



Legend: DDM-CKE-TTbarPH (Blue), DDM-MKFit-TTbarPH-noDNN3 (Red), DDM-MKFit-TTbarPH-clonernix3 (Black)