single PV - LHC23d1f duplicated PV - LHC23d1f 8000 8000 **SignalV0A** SignalV0A Entries 7349 Entries 2605 10.32 Mean x 18.65 Mean x 7000 7000 Mean y Mean y 2373 2640 Std Dev x Std Dev x 19.01 22.7 Std Dev y Std Dev y 1545 1545 6000 6000  $10^{-3}$ 5000 5000 **1**0<sup>−3</sup> 4000 4000 3000 3000  $10^{-4}$ 10<sup>-4</sup> 2000 2000 1000 1000 20 140 40 60 80 100 120 40 60 80 100 120 140 fNumContrib fNumContrib