Z0 and d0 Significance Templates of PbPb pT\_trk > 4.0 GeV z0 significance 0.35 Overlay 50 % to 80 % Track Grade: Split hits in both IBL and b-layer  $10^{-1}$ pT\_trk > 4.0 GeV; pT **Light Jet** 0.25 **Light Jet**  $10^{-2}$ 0.2  $10^{-3}$ 0.15 0.1  $10^{-4}$ 0.05 10<sup>-5</sup>. -80 -20 20 80 100 -60 40 60 **-100** pT\_jet > 50 GeV