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