Z0 and d0 Significance Templates of pp pT\_trk > 0.5 GeV z0 significance 3.5 pp Track Grade: Split hits in both IBL and b-layer  $10^{-1}$ pT\_trk > 0.5 GeV; pT **Light Jet** 2.5 **Light Jet**  $10^{-2}$  $10^{-3}$ 1.5  $10^{-4}$ 0.5 10<sup>-5</sup> -80 -60 -20 20 80 100 **-100** -4040 60 pT\_jet > 50 GeV