Valid Chi2PID  $\times 10^3$ hChi2PIDValid Counts 6 Valid Chi2PID: 78812 0 120 0 102151 Invalid Chi2PID: 103930 100 80 60 35929 40 29688 20 7250 5462 1228 383 483 110 **58** 0 0 PID 0 PID 0 PID 2212 PID 2212 PID 321 PID 321 PID 211 PID 211 PID -11 PID -11 PID 45 PID 45 Particle ID (PID)