Number of dead cells for a given buffer depth for SiVertexBarrel 10^{-1} Layer_0_deadcells Number of dead cells **Entries = 1749598** 10^{-2} Layer_1_deadcells 10^{-3} **Entries = 587260** 10^{-4} Layer_2_deadcells **Entries = 241840** 10^{-5} Layer_3_deadcells 10^{-6} **Entries = 97768** Layer_4_deadcells 10-**Entries = 56452** 10⁻⁸ 10^{-9} 25 10 15 20 30 35 40 Assumend buffer depth