Number of dead cells for a given buffer depth for SiVertexBarrel Layer_0_deadcells Number of dead cells 10⁻² **Entries = 1749598** Layer_1_deadcells 10^{-3} **Entries = 587260** 10 Layer_2_deadcells 10^{-5} **Entries = 241840** Layer_3_deadcells 10^{-6} **Entries = 97768** Layer_4_deadcells 10^{-7} **Entries = 56452** 10⁻⁸ 10⁻⁹ 25 10 15 30 35 40 Assumend buffer depth