Number of dead cells for a given buffer depth for SiVertexBarrel Layer_0_deadcells Number of dead cells 10⁻² **Entries = 1017113** 10⁻³ Layer_1_deadcells **Entries = 325321** 10^{-4} Layer_2_deadcells 10^{-5} **Entries = 129374** Layer_3_deadcells 10⁻⁶ **Entries = 50789** 10^{-7} Layer_4_deadcells **Entries = 28776** 10⁻⁸ 10⁻⁹ 5 15 20 25 30 35 10 40 Assumend buffer depth