Number of dead cells for a given buffer depth for SiVertexBarrel Layer_0_deadcells Number of dead cells 10^{-2} **Entries = 422224** 10^{-3} Layer_1_deadcells **Entries = 127384** 10^{-4} Layer_2_deadcells 10^{-5} **Entries = 44178** Layer_3_deadcells 10⁻⁶ **Entries = 18163** 10-Layer_4_deadcells **Entries = 10142** 10⁻⁸ 10⁻⁹ 10^{-11} 5 10 15 20 25 30 35 40 Assumend buffer depth