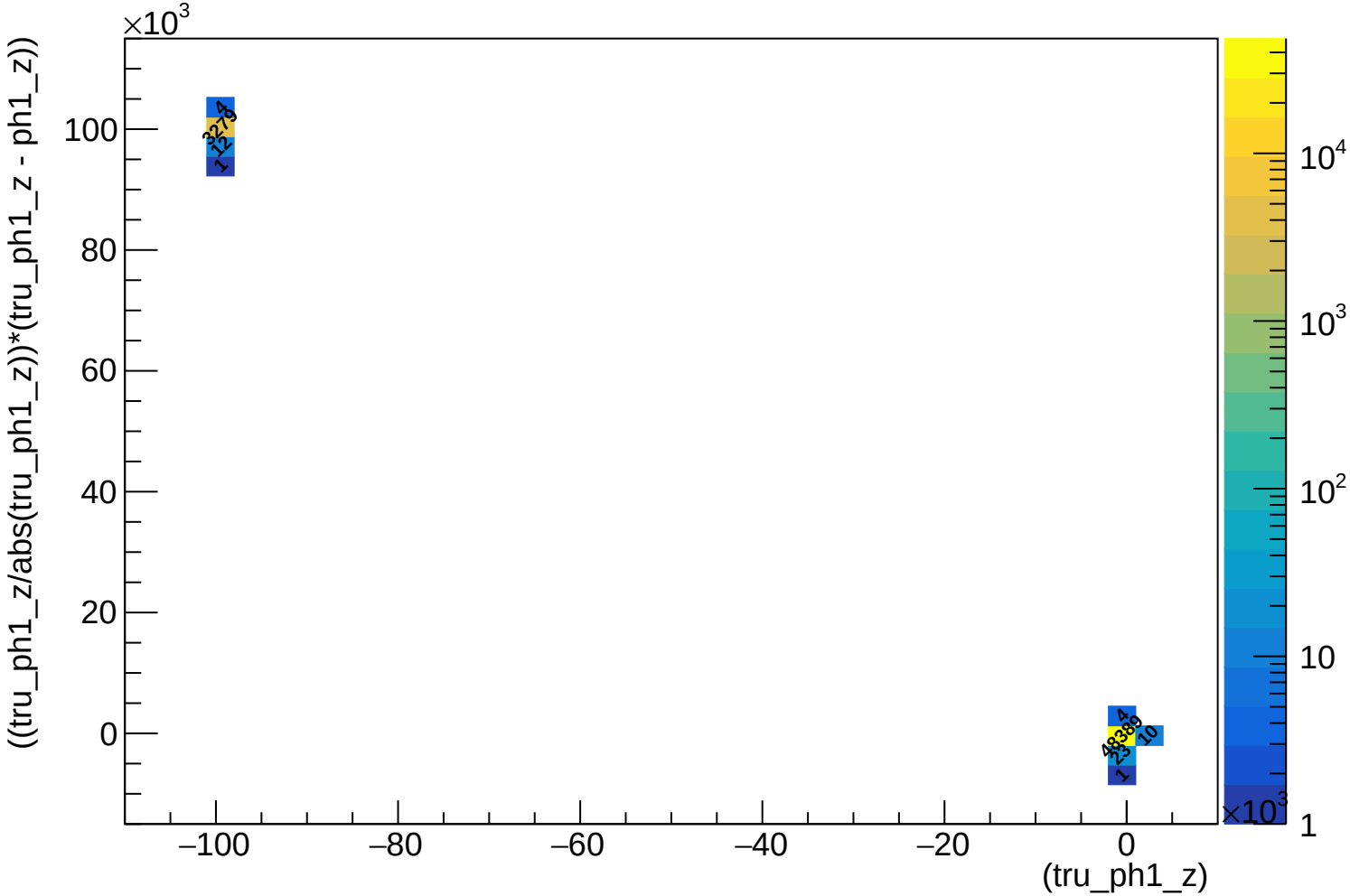((tru_ph1_z/abs(tru_ph1_z))*(tru_ph1_z - ph1_z))/(tru_ph1_z) (Vr_unblinded>0 && Vr_unblinded < 1500 && abs(Vz_unblinded) < 3740 && abs(ph1_t_unblinded)<12 && abs(ph2_t_unblinded)<12 && dttta_ph>0.1 && Hcand_M > 60 && ph1_maxEcell_E>5.0 && ph2_maxEcell_E>5.0 && (abs(ph1_eta) < 1.37 || abs(ph2_eta) < 1.37))