Example models learned when optimizing p_0 (# bins = 5) seed 0 seed 1 seed 2 seed 3 seed 4 5.0 5.0 5 2.5 2.5 0.0 0.0 seed 5 seed 6 seed 7 seed 8 sig bkg_nominal 5.0 5.0 5.0 5 bkg_up bkg_down 2.5 2.5 2.5 0.0 0.0 0.0