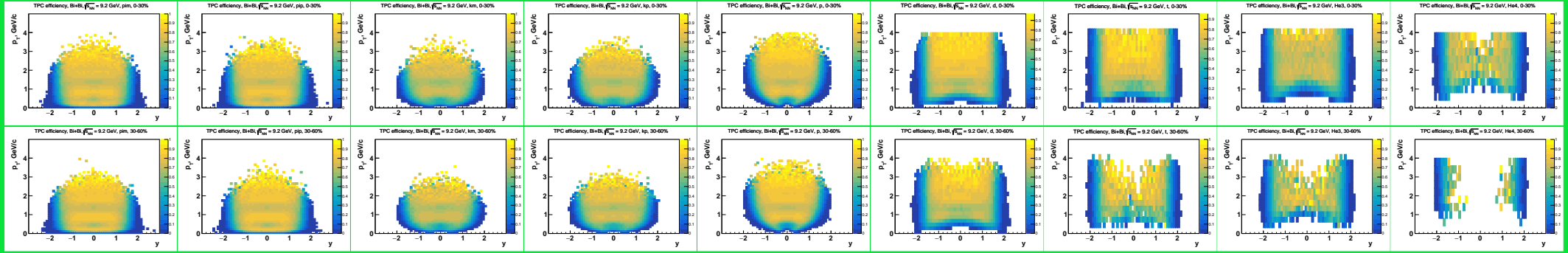
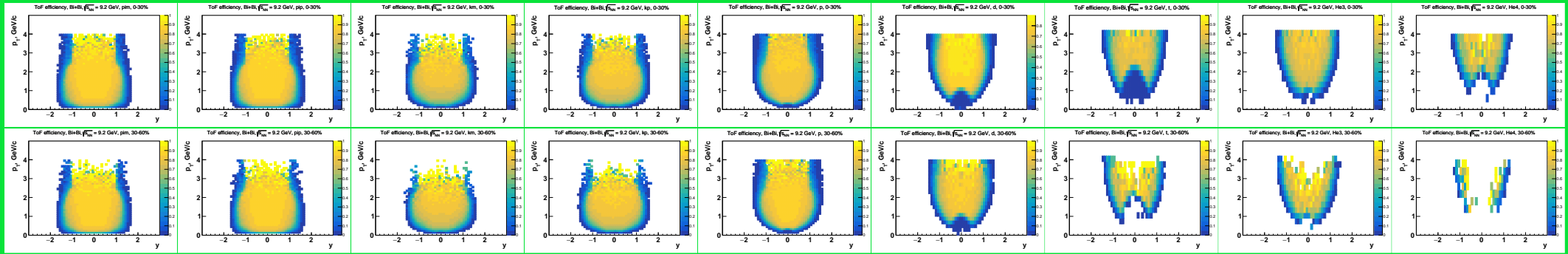


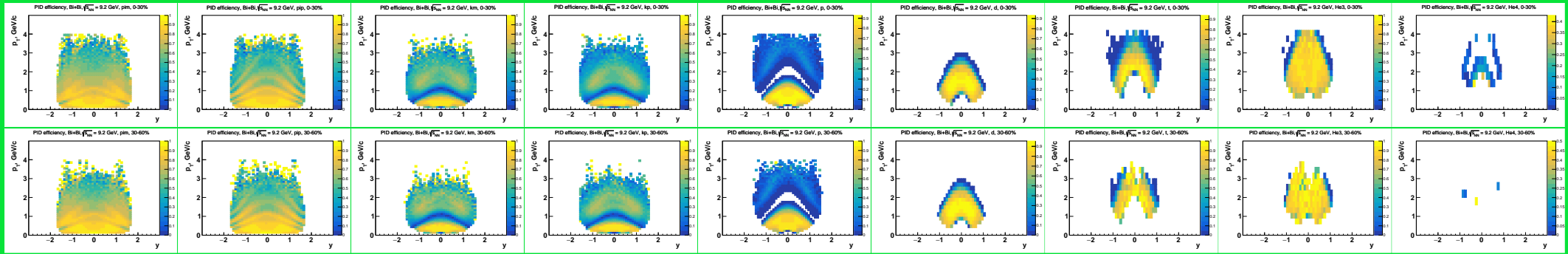
$$TPC \text{ efficiency} = \frac{hv_eff_pdg_primary_nhits_dca}{hv_eff_pdg_primary}$$



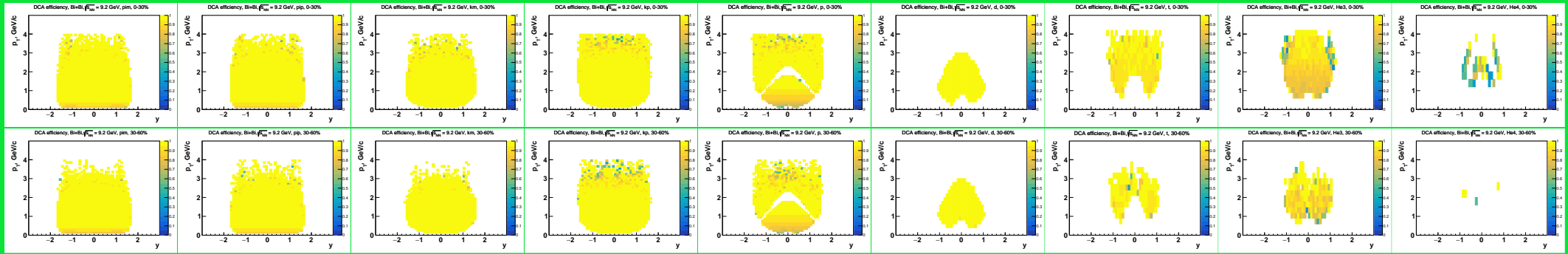
$$ToF\ efficiency = \frac{hv_eff_pdg_primary_nhits_dca_tof}{hv_eff_pdg_primary_nhits_dca}$$



$$PID\ efficiency = \frac{hv_eff_pdg_nhits_dca_to_fid}{hv_eff_pdg_nhits_dca_to_f}$$

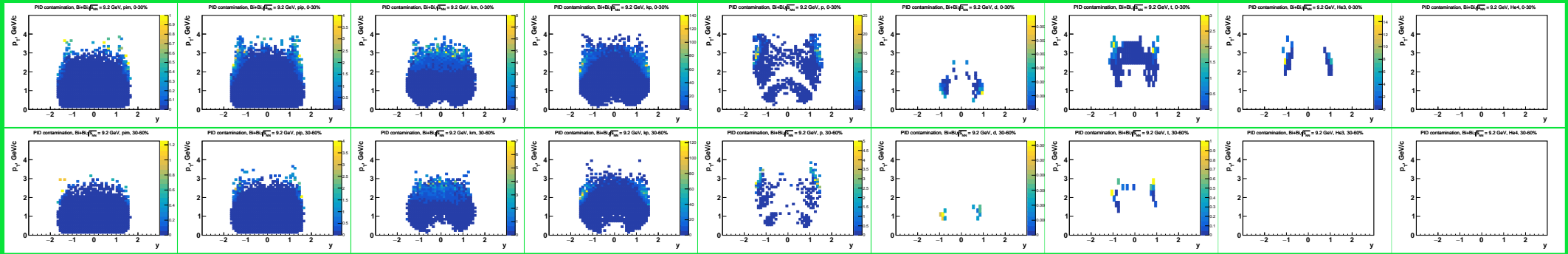


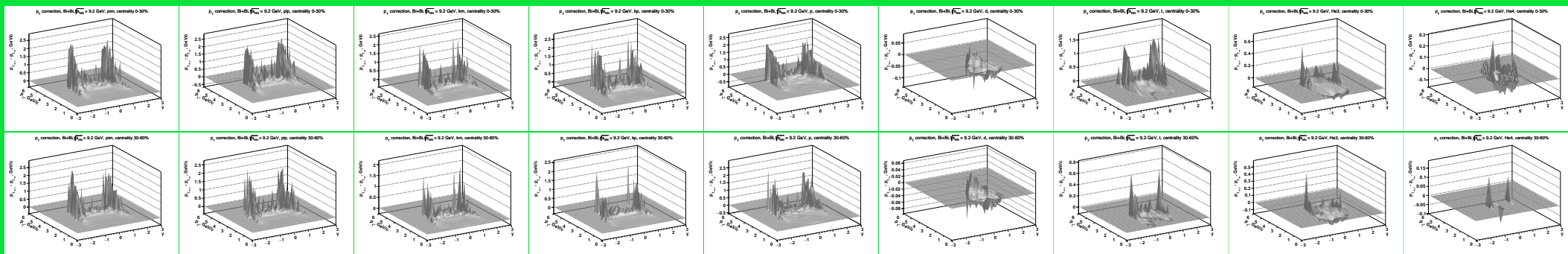
$$DCA\ efficiency = \frac{hv_eff_primary_nhits_dca_tof_pid}{hv_eff_nhits_dca_tof_pid}$$

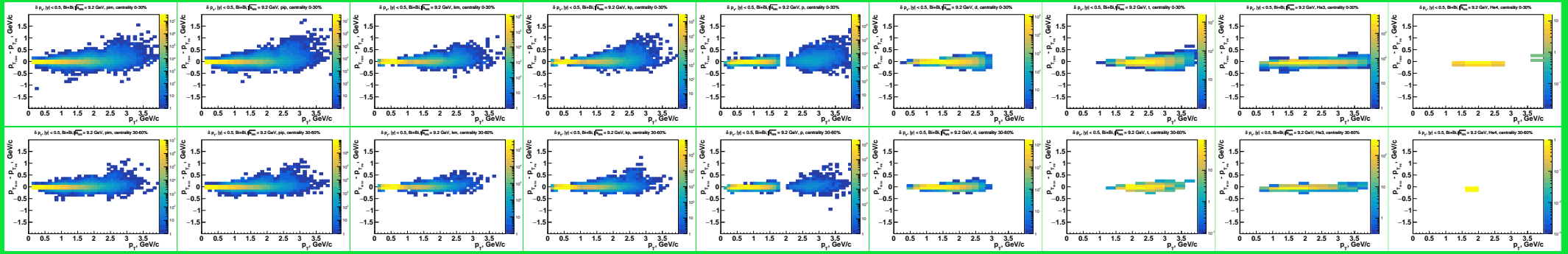


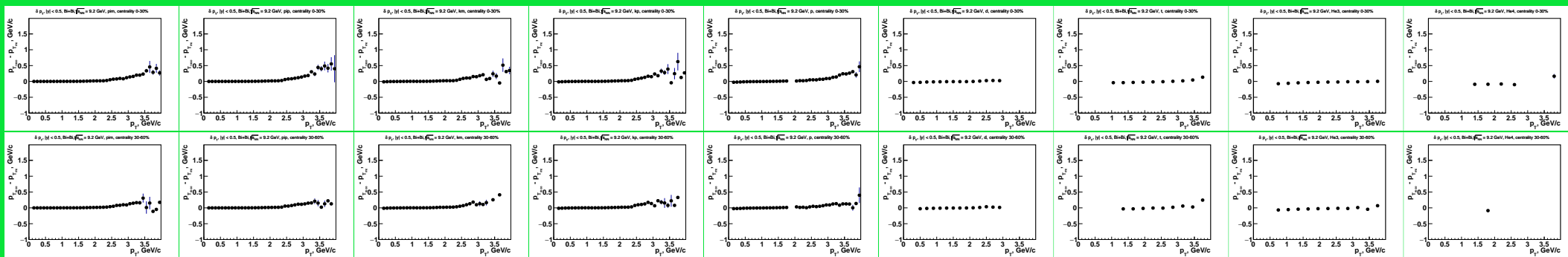
4

$$PID \text{ contamination} = \frac{hv_eff_pdg_nhits_dca_tof_wpid}{hv_eff_pdg_nhits_dca_tof_pid}$$

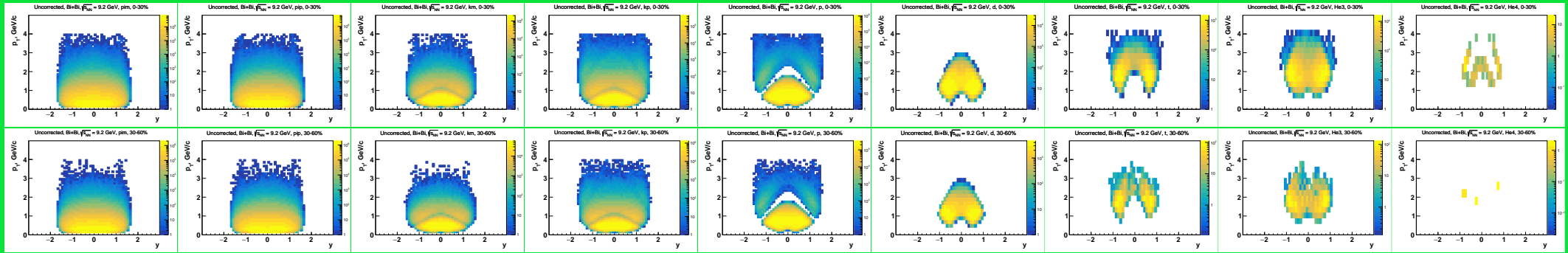








Uncorrected results



Corrected results

$$Result = \frac{Uncorrected \cdot (1 - PID \text{ contamination})}{TPC \text{ efficiency} \cdot ToF \text{ efficiency} \cdot PID \text{ efficiency} \cdot DCA \text{ efficiency}}$$

