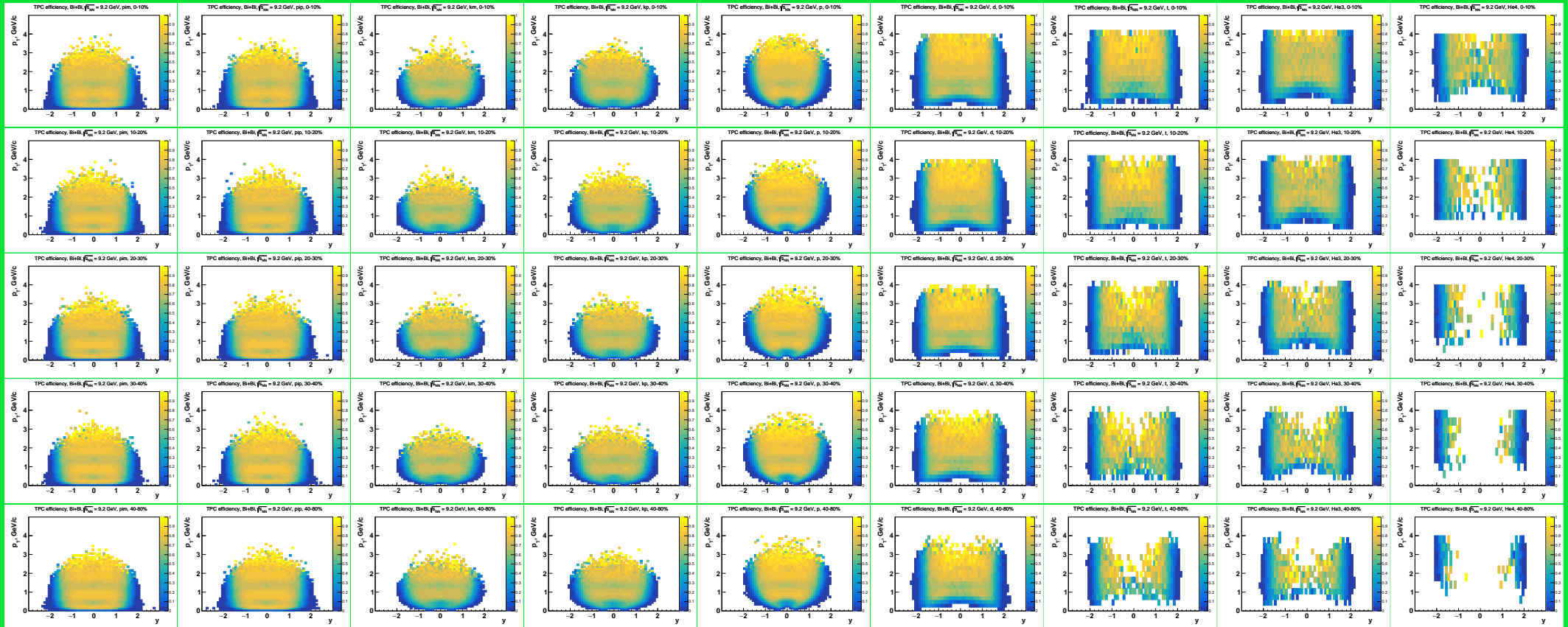
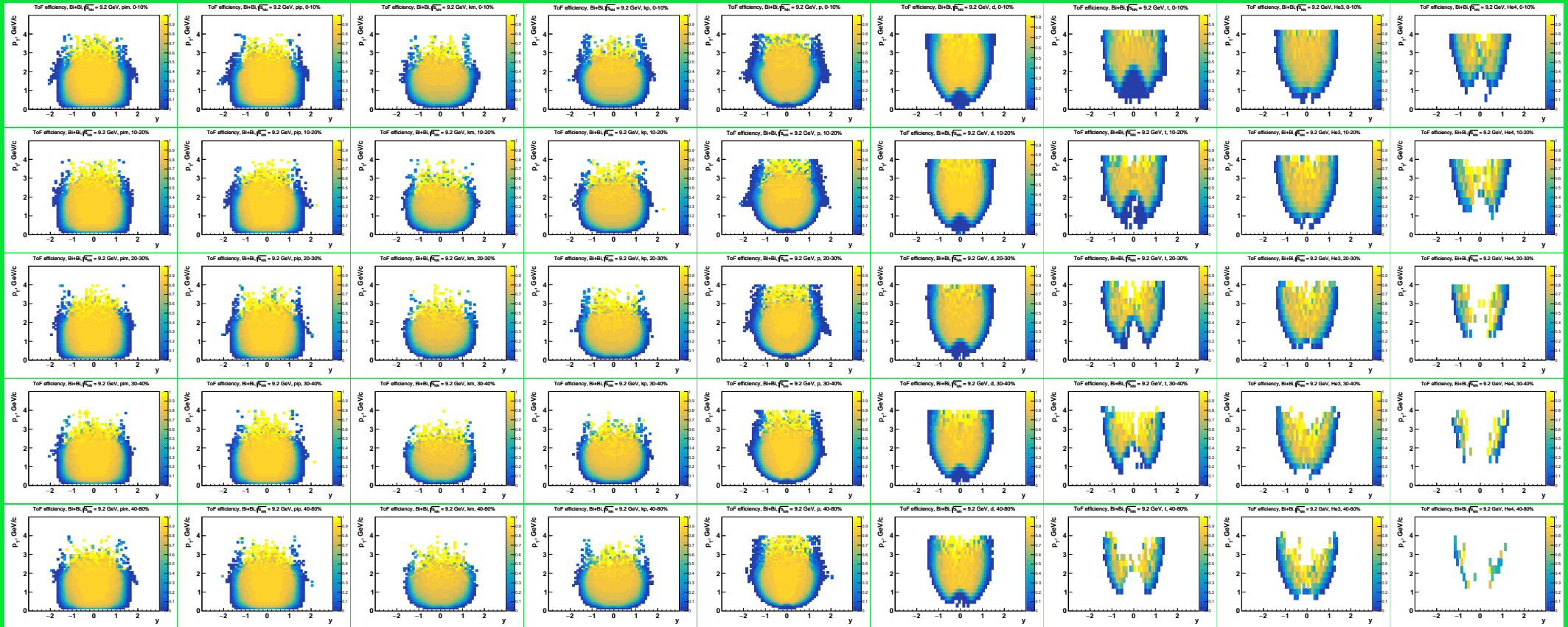


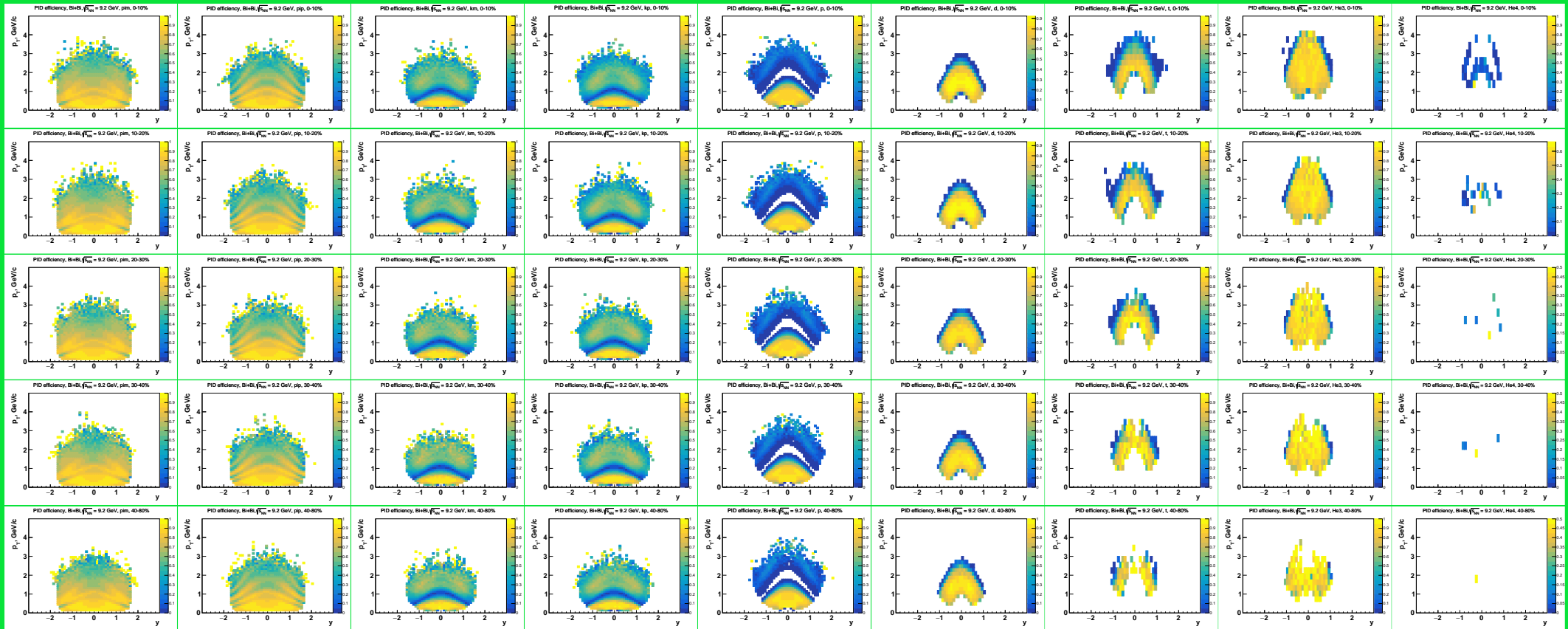
$$TPC\ efficiency = \frac{hv\_eff\_pdg\_primary\_nhits\_dca}{hv\_eff\_pdg\_primary}$$



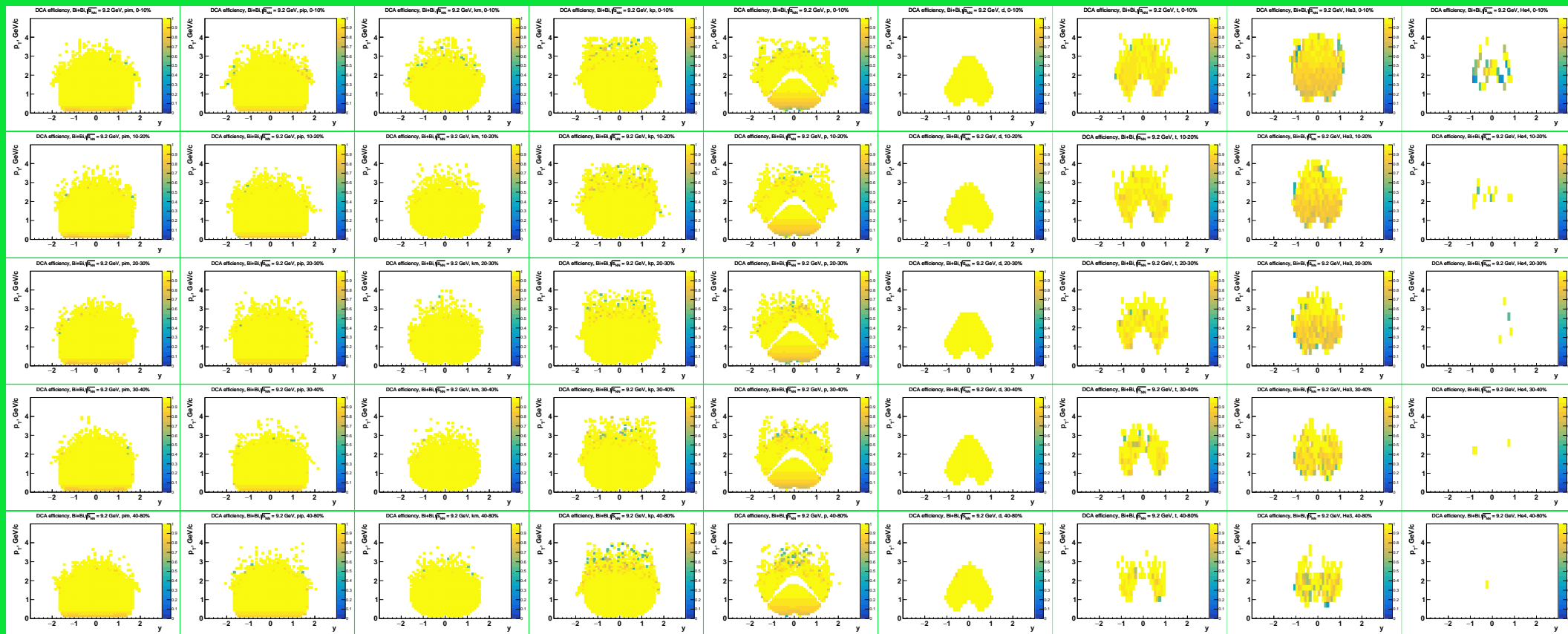
$$ToF\ efficiency = \frac{hv\_eff\_pdg\_primary\_nhits\_dca\_tof}{hv\_eff\_pdg\_primary\_nhits\_dca}$$



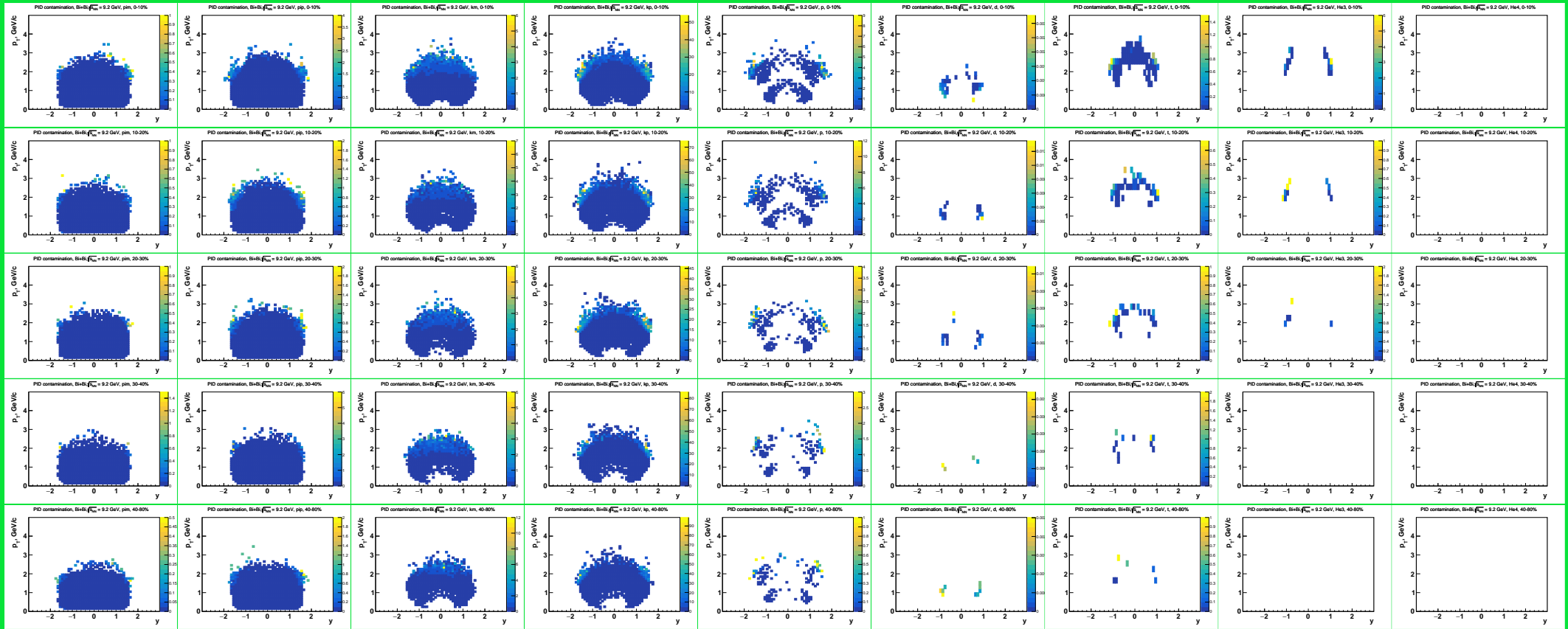
$$PID\ efficiency = \frac{hv\_eff\_pdg\_nhits\_dca\_tof\_pid}{hv\_eff\_pdg\_nhits\_dca\_tof}$$

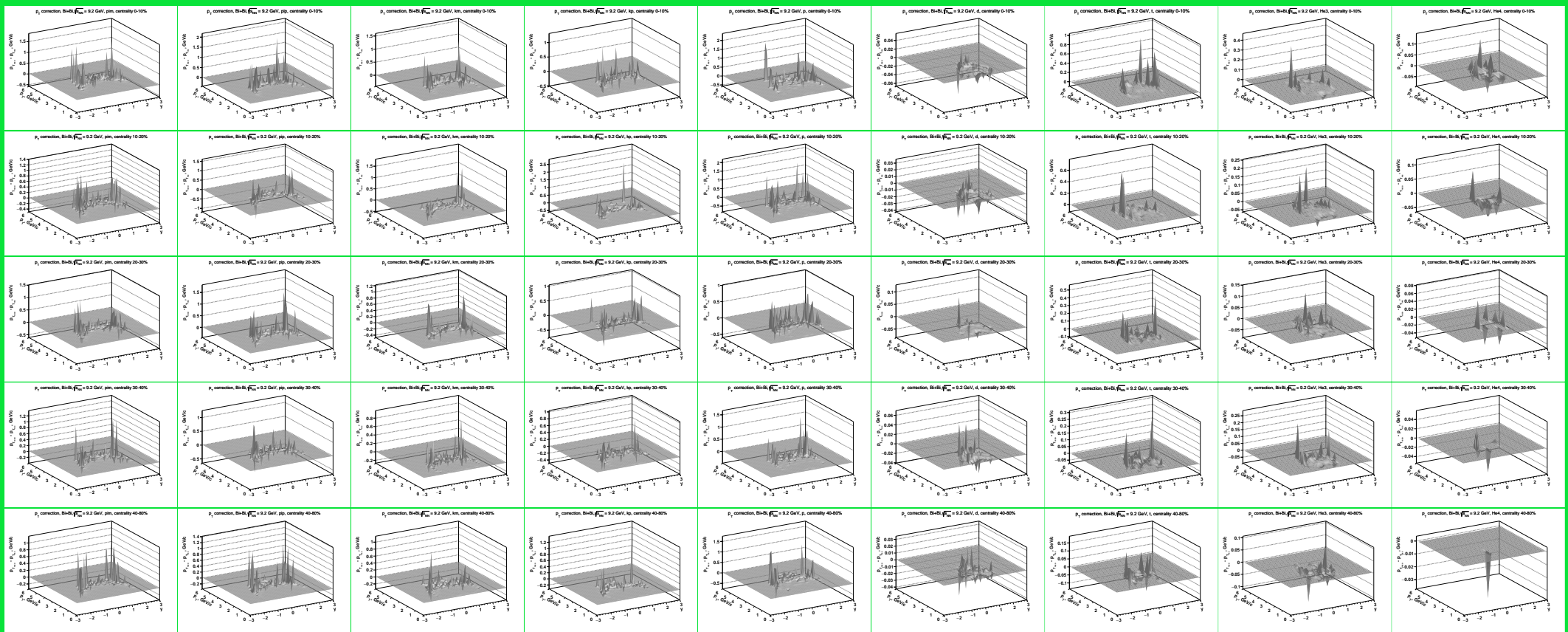


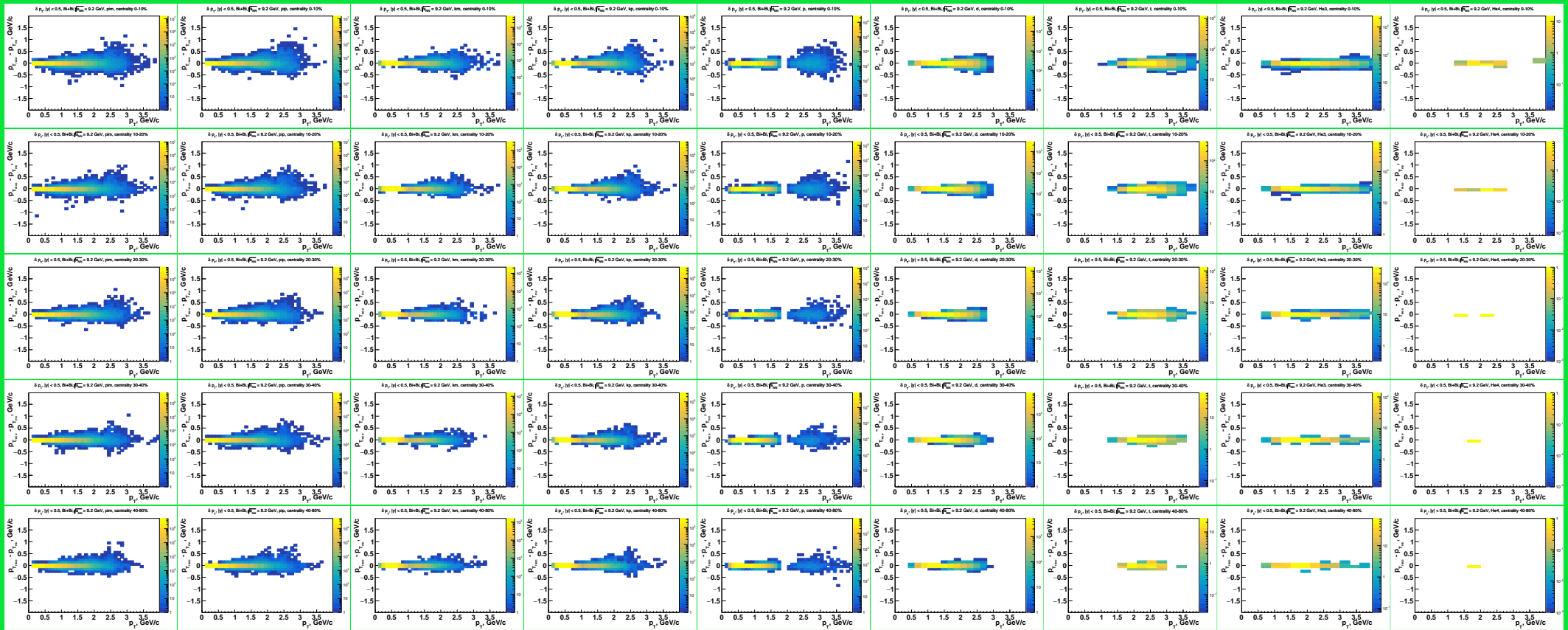
$$DCA\ efficiency = \frac{hv\_eff\_primary\_nhits\_dca\_tof\_pid}{hv\_eff\_nhits\_dca\_tof\_pid}$$

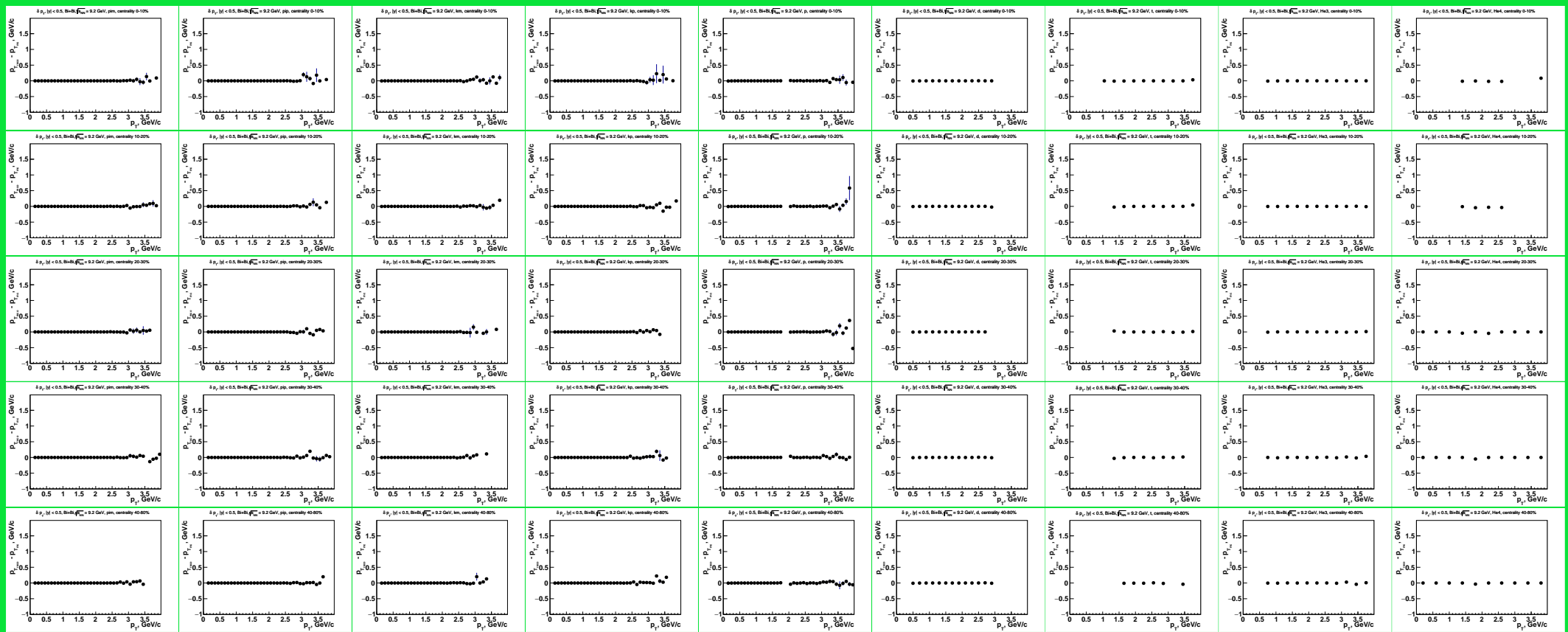


$$PID \text{ contamination} = \frac{hv\_eff\_pdg\_nhits\_dca\_tof\_wpid}{hv\_eff\_pdg\_nhits\_dca\_tof\_pid}$$



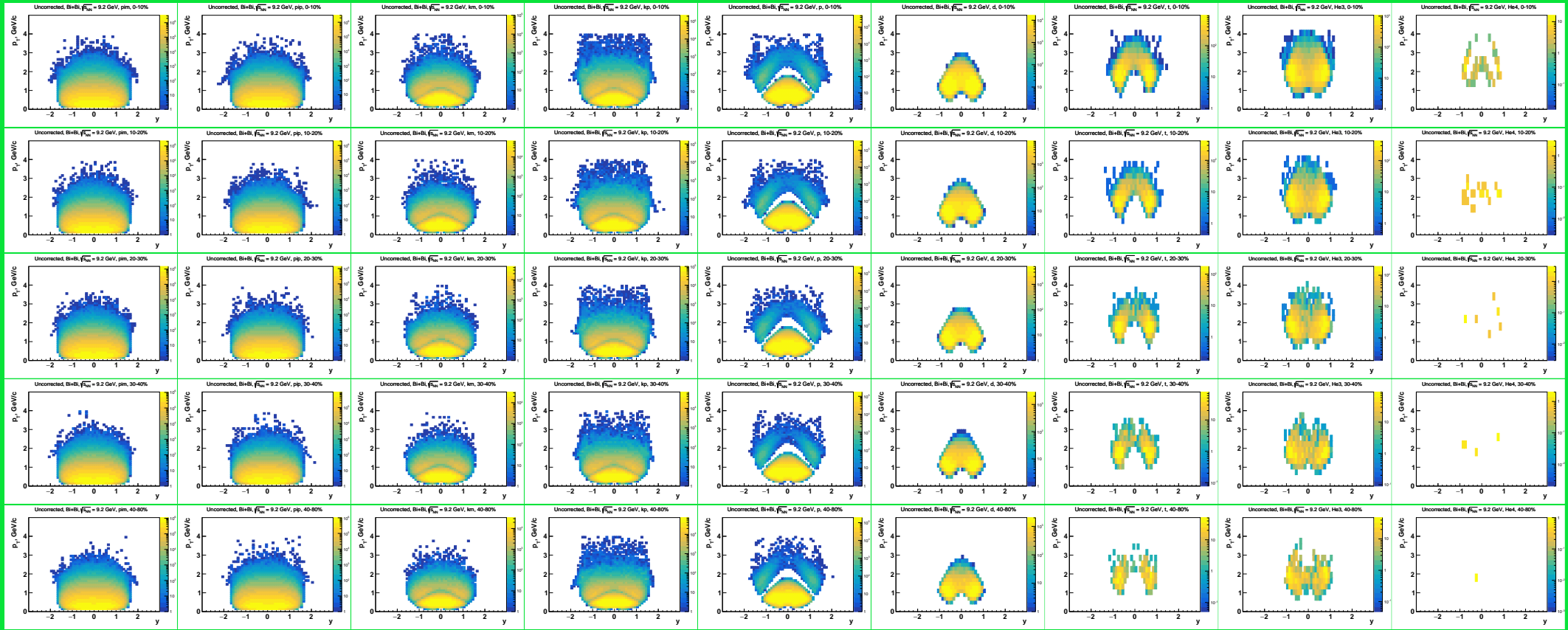








# Uncorrected results



# Corrected results

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

