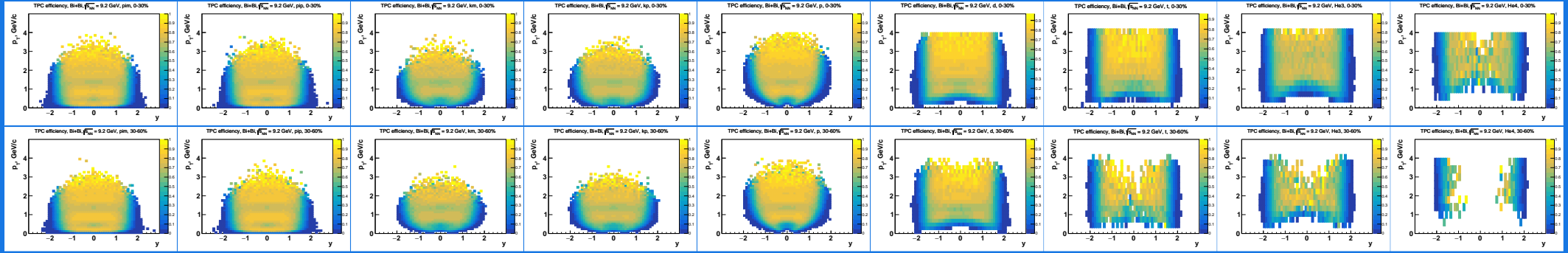
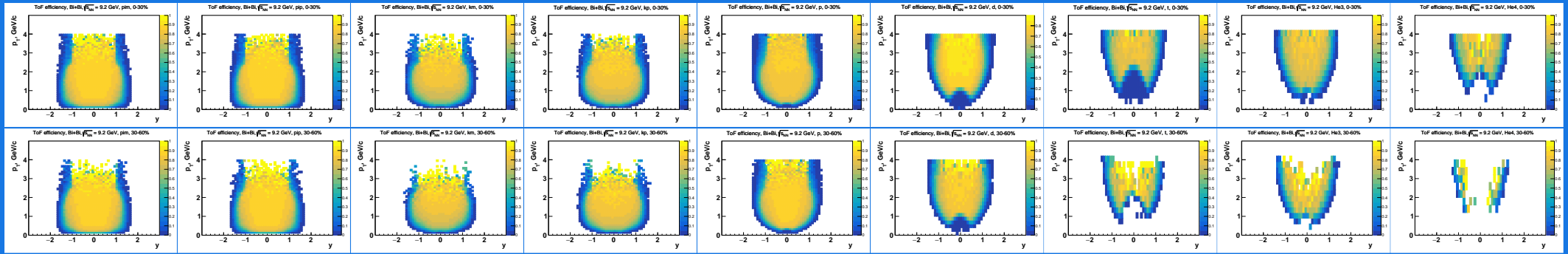


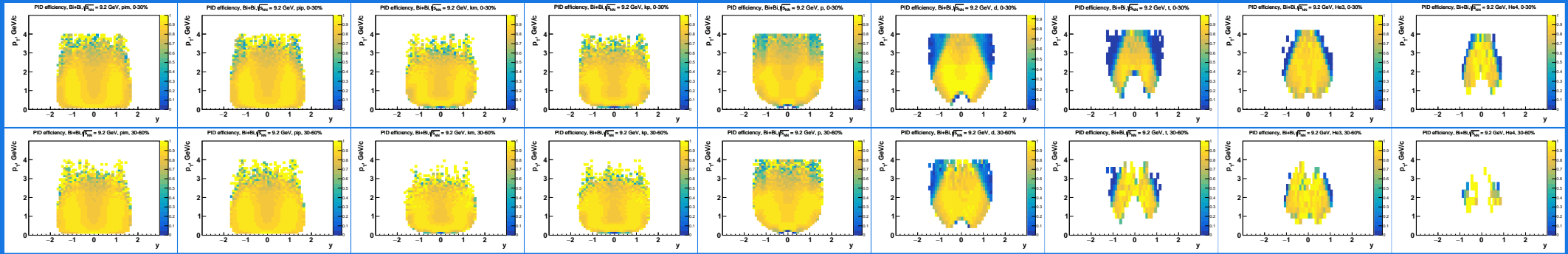
$$TPC \text{ efficiency} = \frac{hw\_eff\_pdg\_primary\_nhits\_dca}{hw\_eff\_pdg\_primary}$$



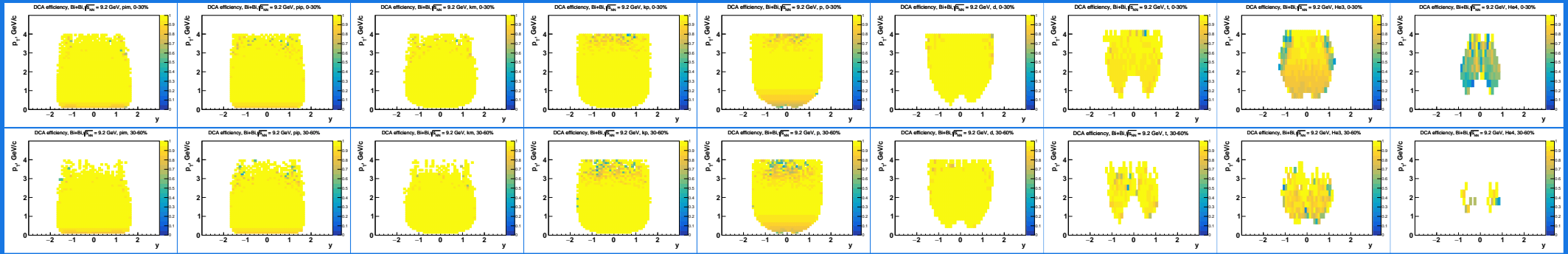
$$ToF\ efficiency = \frac{hv\_eff\_pdg\_primary\_nhits\_dca\_tof}{hv\_eff\_pdg\_primary\_nhits\_dca}$$



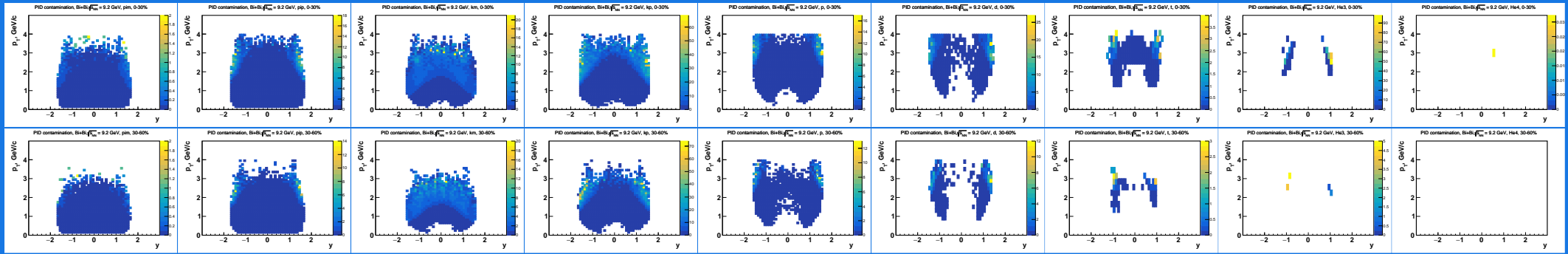
$$PID\ efficiency = \frac{hw\_eff\_pdg\_nhits\_dca\_to\_fid}{hw\_eff\_pdg\_nhits\_dca\_to\_f}$$

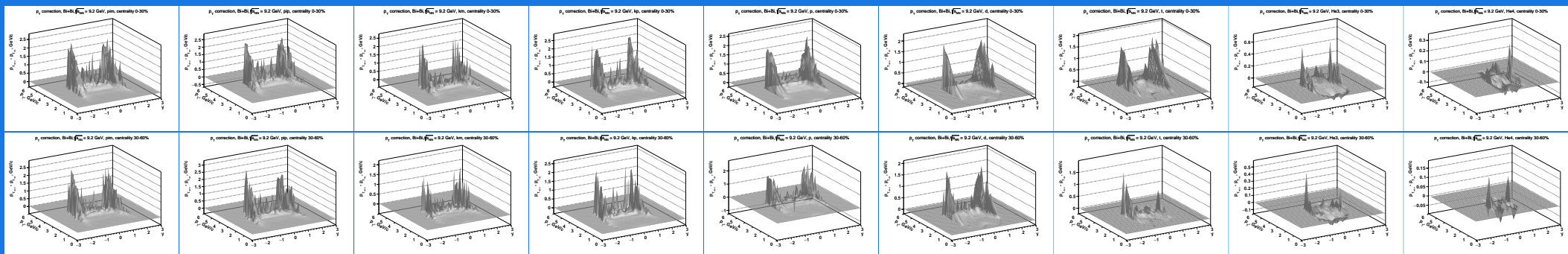


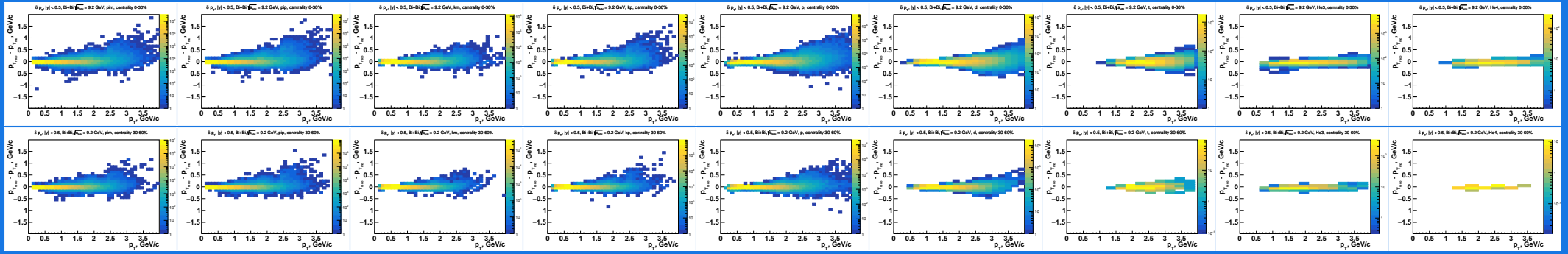
$$DCA\ efficiency = \frac{hv\_eff\_primary\_nhits\_dca\_tof\_pid}{hv\_eff\_nhits\_dca\_tof\_pid}$$

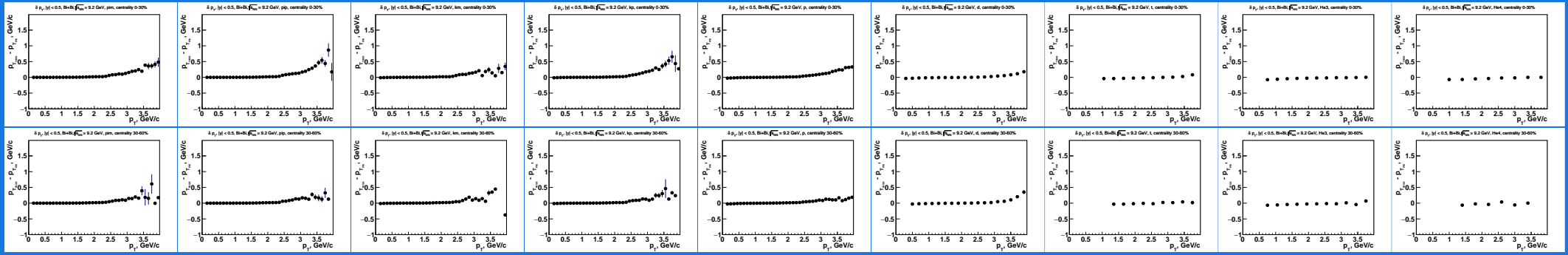


$$PID \text{ contamination} = \frac{hv\_eff\_pdg\_nhits\_dca\_tof\_wpid}{hv\_eff\_pdg\_nhits\_dca\_tof\_pid}$$



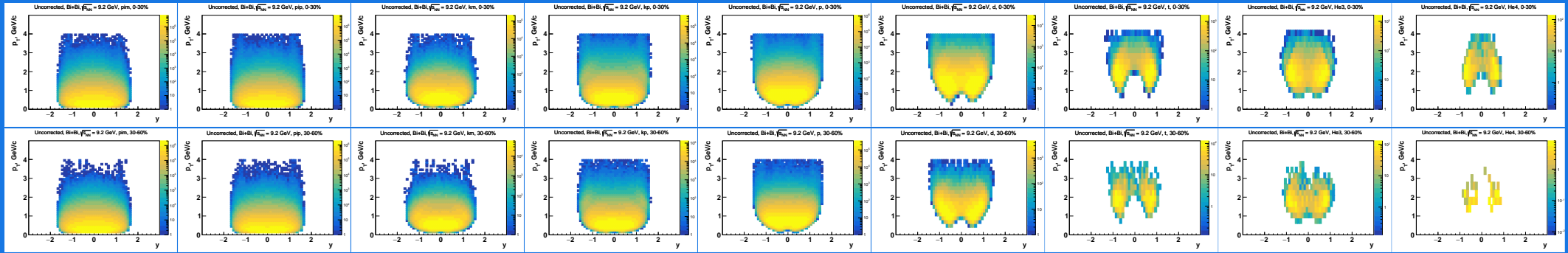








# Uncorrected results



## Corrected results

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

