

RGH Kinematics

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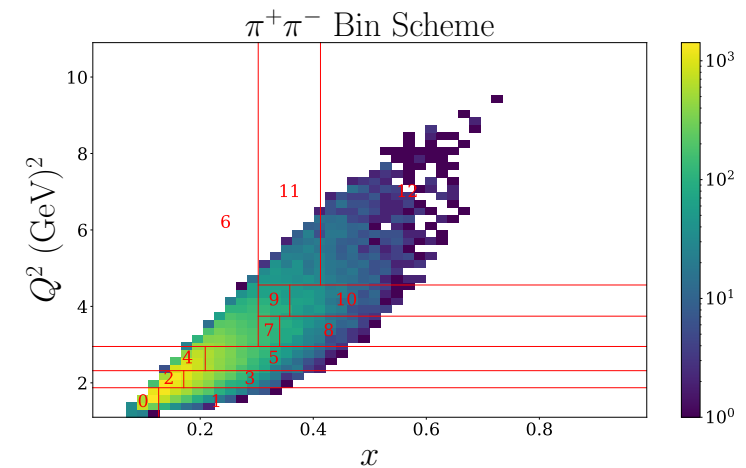
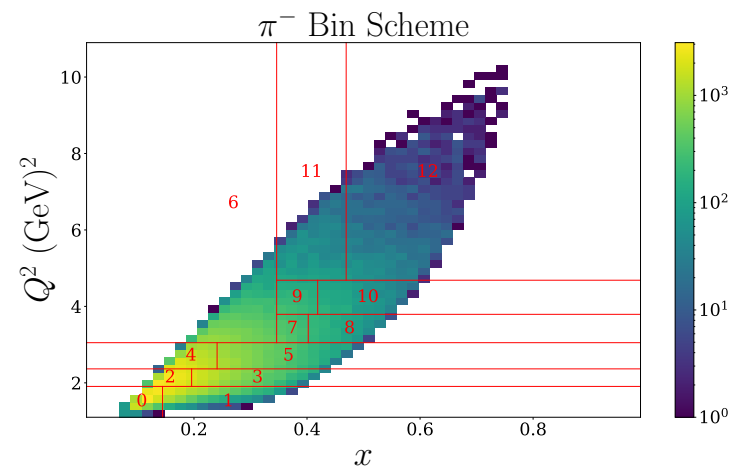
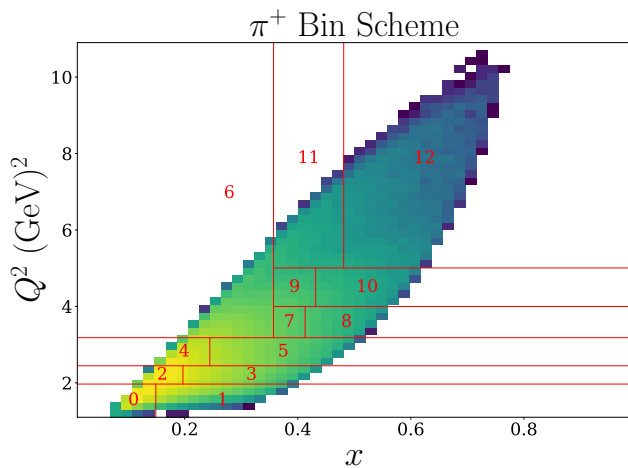
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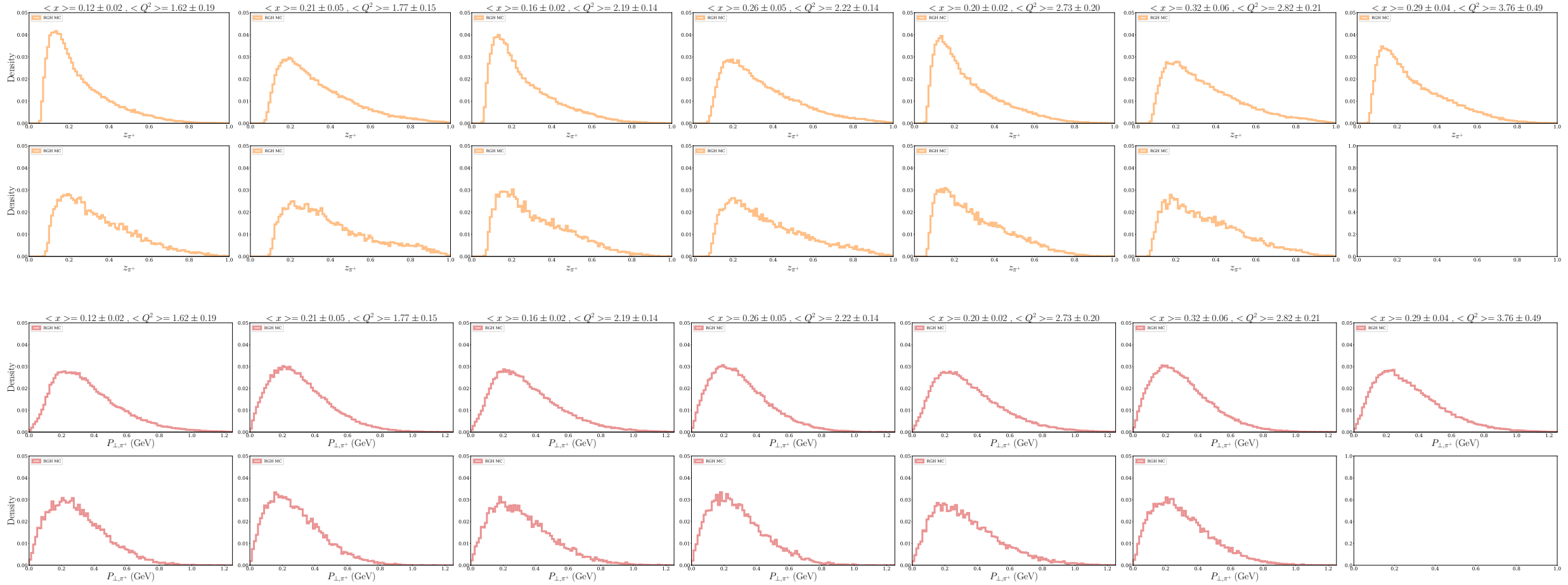
Mar. 21st, 2025

Data and Bin Schemes

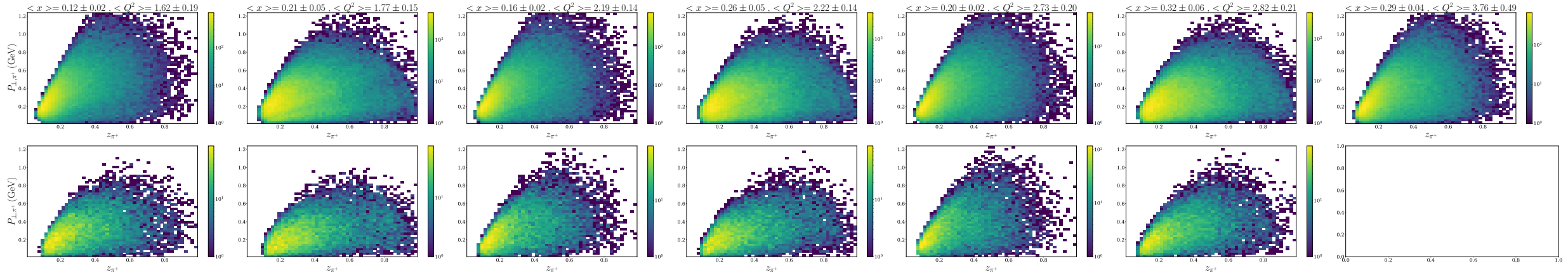
- Generated 10^7 events with a total of 79.08mb of cross-section
- Angular acceptance cuts: opening angle $< 30^\circ$ in x and $< 25^\circ$ in y
- Bins 0-6 have roughly equal statistics
- Bins 7-12 have roughly equal statistics and $\sim 1/6$ of statistics bins 0-6



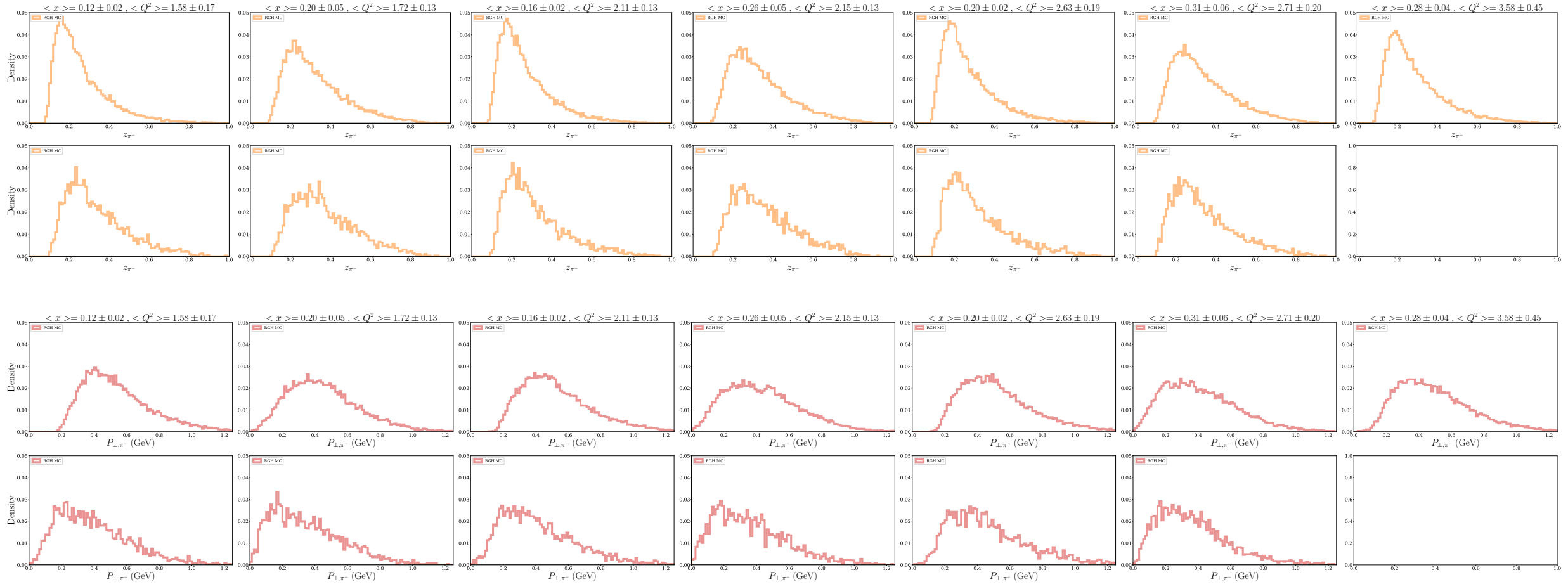
π^+ Kinematics



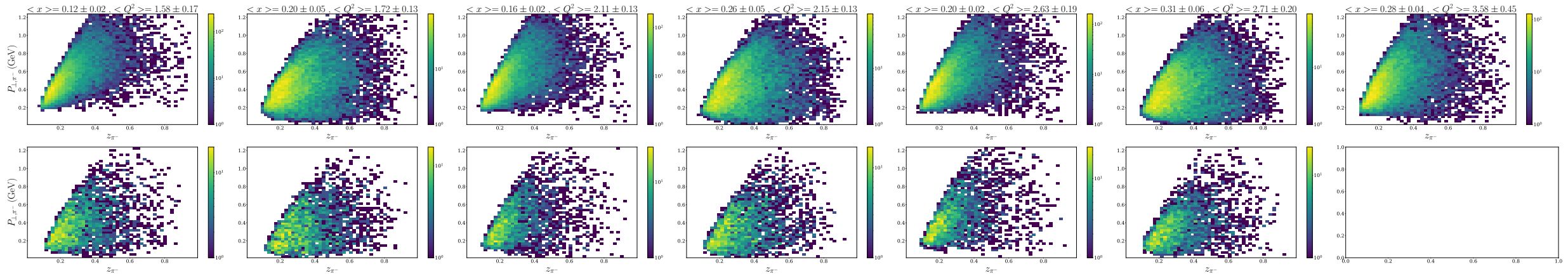
π^+ Kinematics



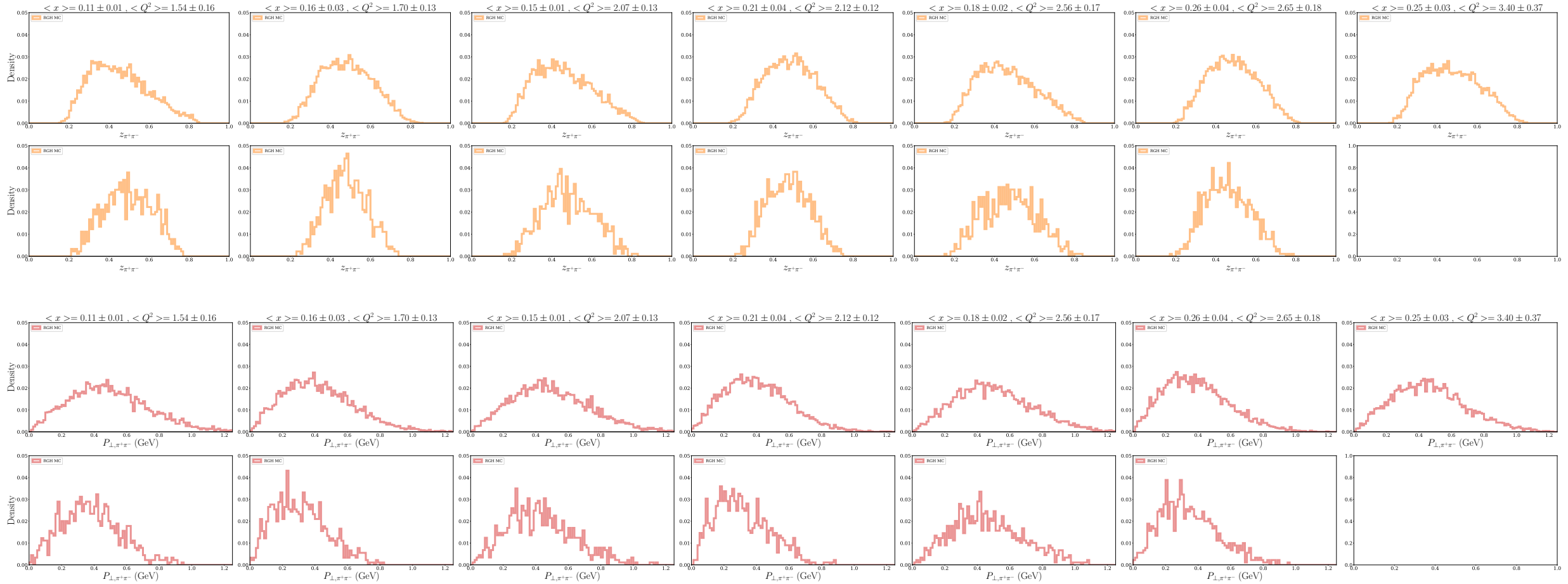
π^- Kinematics



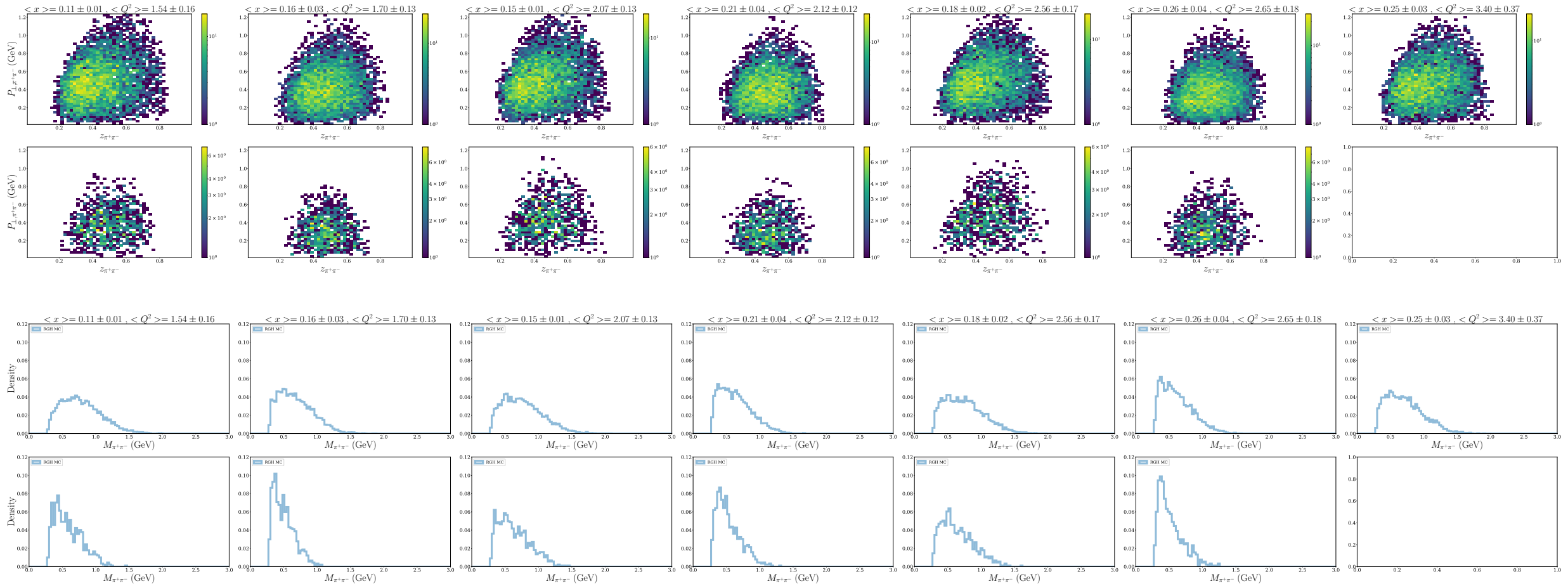
π^- Kinematics



$\pi^+\pi^-$ Kinematics



$\pi^+\pi^-$ Kinematics



Thank you!