

Analysis Plan during INTT workshop

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- Analysis topic

Event Mixup

- Current knowledge/status of this topic

Event Mixup is the leakage of hits from one previous event to the next.

Correlate to Mixup Hits and Hit Multiplicity in Au-Au.

Correlate to Mixup Event fraction and collision rate in p-p.

- Goal for the workshop

1. Reexamine the calculation of the Mixup Event fraction.
2. Find unified understanding of Event Mixup between p+p and Au+Au.
3. Check the Event Mixup in streaming readout data.

- Milestones to reach to your goal

1. Make histogram for subtract Event of random hits from Mixup Event fraction.
2. Make histogram of correlation between Mixup Hit fraction and INTT hit rate.
3. Make plot that confirms that Event mixup is occurring with streaming readout data.

