

INTT performance estimation towards national/international meetings

Genki Nukazuka (RIKEN)

Coming meetings

- RIKEN Summer School
 - Sep 2 — 3
 - International
 - Cheng-Wei: ???
- JPS annual meeting
 - Sep 16 — 19
 - National
 - Itaru (talk): sPHENIX Cold-QCD
 - Takashi (talk):
 - Genki (talk): INTT talk but joints Itaru's talk to emphasize the importance of INTT in spin physics
 - Mai (talk): INTT event mix-up
 - Cheng-Wei (talk): INTT vertexing for Au-Au
- Hard Probe
 - Sep 22 - 28
 - International
 - Cheng-Wei (poster): INTT general
 - Hinako (poster): INTT tracking for p-p
 - Mahiro (poster): INTT vertexing for p-p
 - Genki (talk): $dE_T/d\eta$ and $dN/d\eta$ (not INTT talk)
- APS DNP meeting
 - Oct 6 — 10
 - Joseph?
- KPS meeting?
 - Oct 22 — 25
 - Jaein?
- TPS meeting?
 - Jan 14 — 16 2025
 - Cheng-Wei?
 - Wei-Che?



We have to get some preliminary plots to show them in the meetings.

Topics

Topics for a specific talk

- INTT event mix-up
 - Mai
 - mandatory for JPS
- Vertexing
 - Mahiro and Cheng-Wei
 - any new plots needed?
- Alignment
 - Mahiro, NWU?, Akitomo?
 - needed for HP?
- Tracking
 - Genki, Hinako
 - needed for HP

General topics

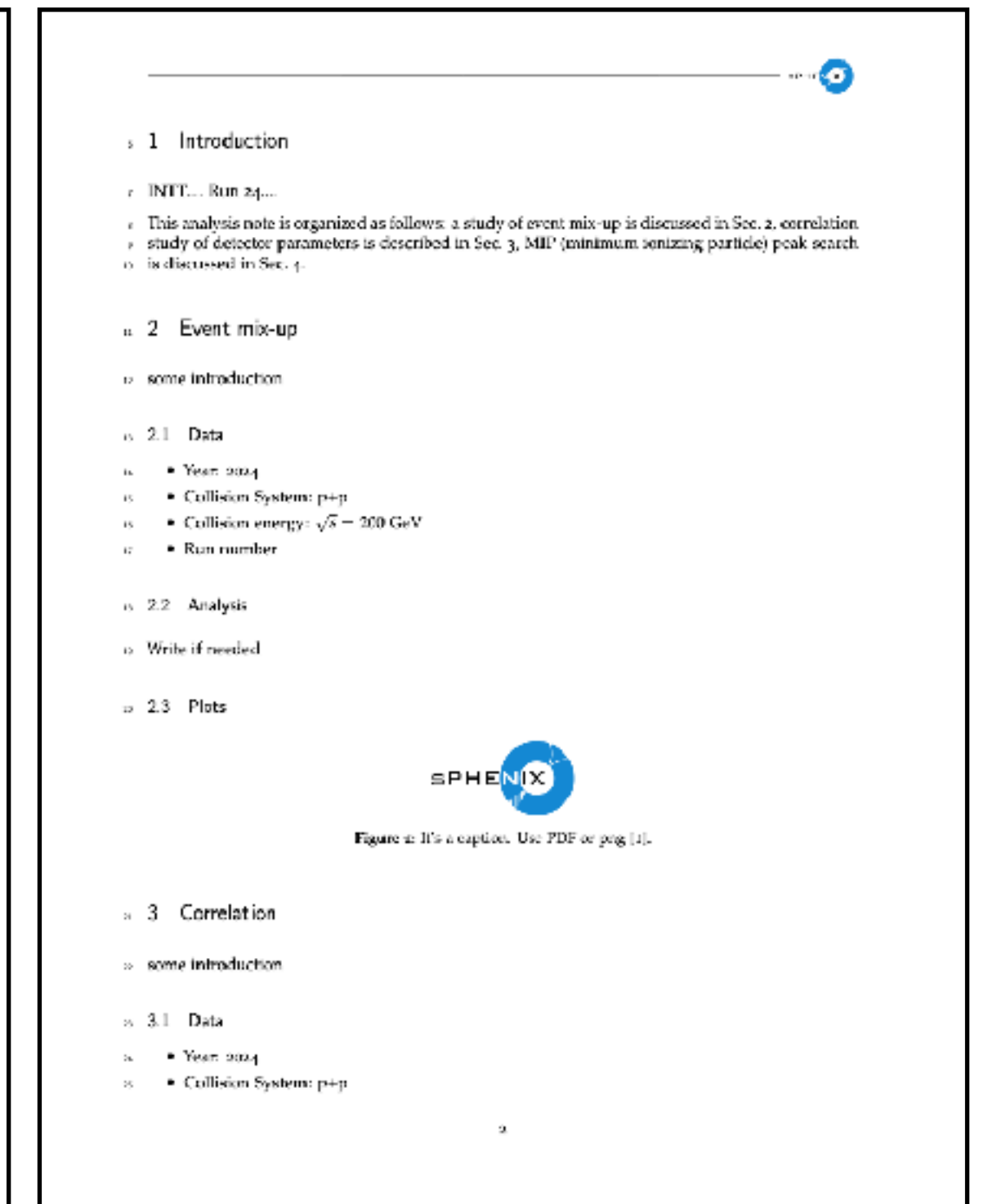
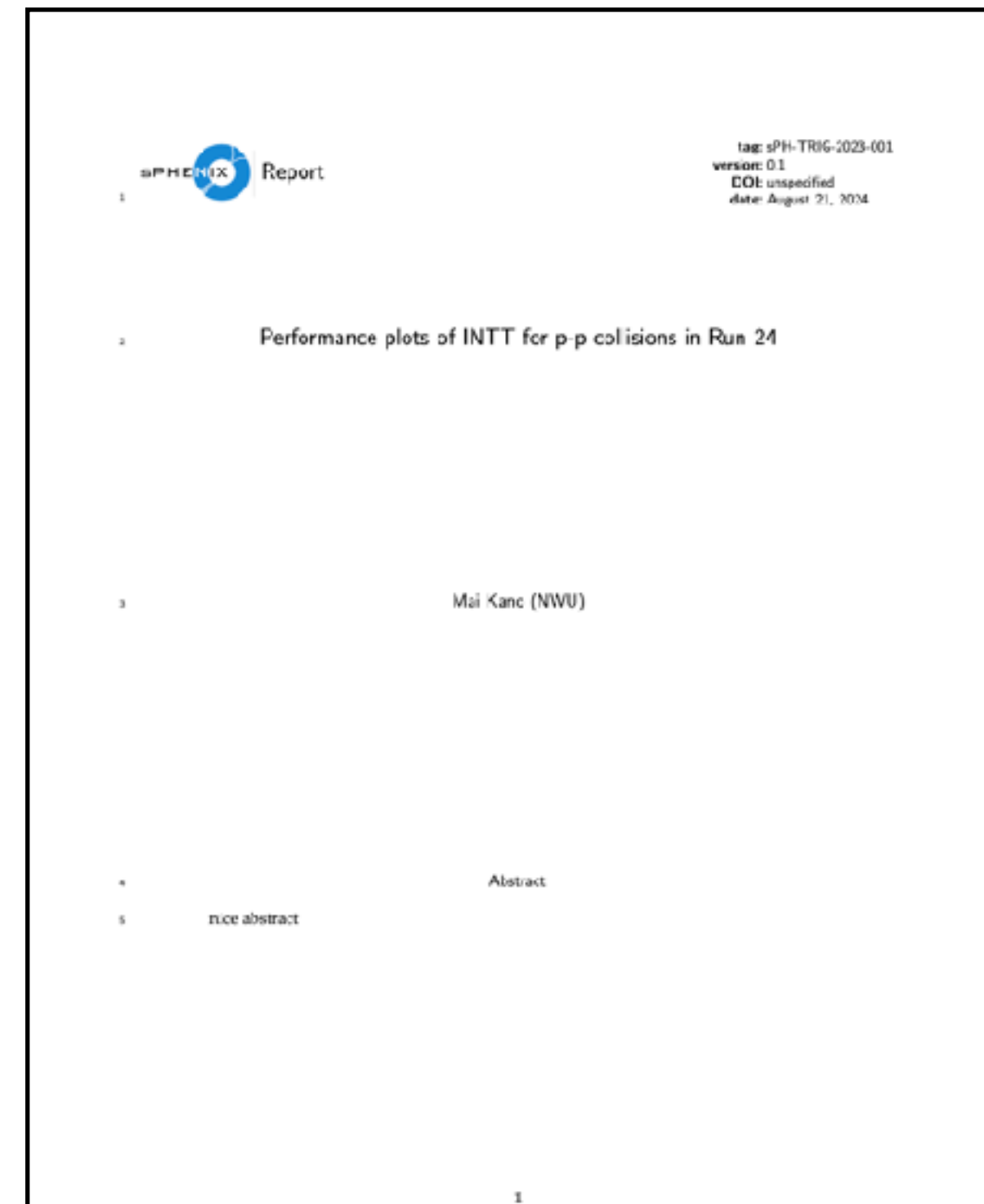
- INTT timing performance
 - Genki
 - good to have for HP and JPS
- Correlations
 - Genki, Jaein, Ryota, and?
 - good to have for all meetings
- MIP
 - Genki
 - good to have for all meetings
- Hot channel, BCO diff peak (calibration?)
 - Jaein, Joseph
 - good to have for all meetings?

Analysis note

It's fine to describe some topics in a single analysis note to save time. What about organizing as follows:

Title: Performance plots of INTT for p-p collisions in Run 24

1. Introduction
2. Event mix-up
 - 2.1. Data
 - 2.2. Analysis
 - 2.3. Plot
3. Correlation study of detector parameters
 - 3.1. Data
 - 3.2. Analysis
 - 3.3. Plots
4. MIP peak search
 - 4.1. Data
 - 4.2. Analysis
 - 4.3. Plots
5. Timing tuning and performance evaluation
 - 5.1. Data
 - 5.2. Analysis
 - 5.3. Plots



[Overleaf](#)

Nothing written yet...