

Analysis Coordination Meeting



07 / 01 / 2025

S. Diehl (JLU Giessen and UConn)
R. Seidl (Riken)

Wiki of the SIDIS PWG: <https://wiki.bnl.gov/EPIC/index.php?title=SIDIS>

PWG meetings: Tuesday 2.30 pm (~ every 2 weeks)
next meeting: 07/08/2025



SIDIS Working Group

Juni 2025



24. Juni [SIDIS WG meeting](#)



10. Juni [SIDIS WG meeting - CANCELLED](#)

Mai 2025



27. Mai [SIDIS WG meeting](#)



13. Mai [SIDIS WG meeting](#)

SIDIS WG meeting



Dienstag 24.06.2025, 08:30 → 10:00 US/Eastern

Beschreibung <https://cern.zoom.us/j/62859255670?pwd=ZGR6bm1NbDNoaDExYWxkMmF4MUxlUT09>

08:30 → 08:40 **Announcements**

🕒 10m

Sprecher: Ralf Seidl (RIKEN), Dr. Stefan Diehl (JLU Giessen and UCONN)

08:40 → 09:00 **Update on Italian TMD efforts**

🕒 20m

Sprecher: Susanna Costanza

09:00 → 09:20 **first hand-on look**

🕒 20m

Sprecher: Lorenzo Polizzi (University of Bologna)



epic_sidis_meeting_...



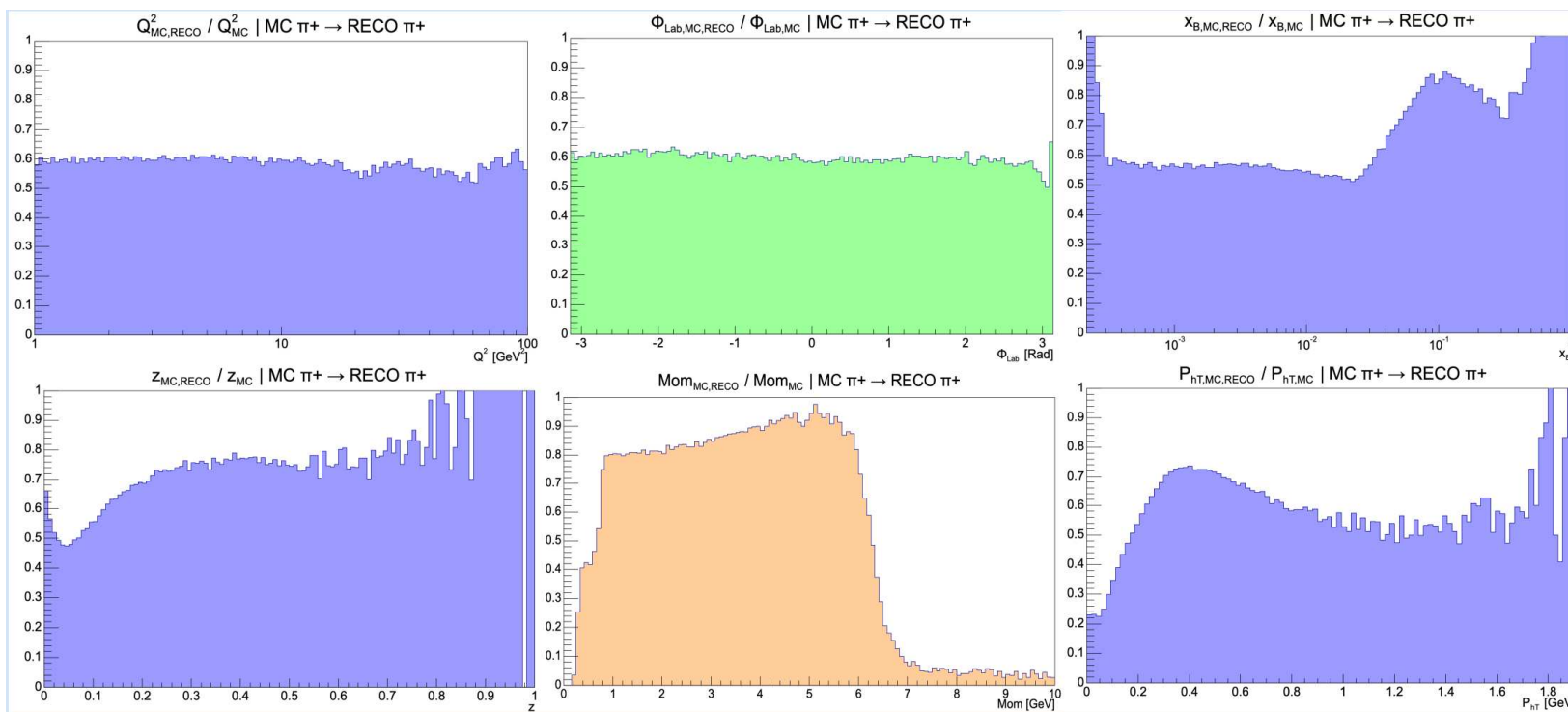
SIDIS Working Group

ITALIA-SiDIS-group update

π^+ distributions, reconstruction efficiencies and contaminations for SIDIS analyses

Study the **contamination** effect reconstructions and the detector performance in the reconstructions with some hand-made manipulation of those contributions

Lorenzo Polizzi





SIDIS Working Group

Benchmark possibilities

- **SIDIS Resolution plots:** relatively straightforward, compare previous and current production(s)
- **PID:** Compare efficiencies/purities
 → Will not change without significant improvement in PID implementation:
 LUT → Likelihoods of all PID
 +EMCAL/tracking detectors
- **Sivers/Collins asymmetries?**
 But how to quantify the level of smearing?
 Compare “systematic uncertainties”
 (differences true to reco) for different productions?
 → General difficulty (many bins relevant, select a few for benchmarks?)

