

Production status

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SPD SPDRoot Workshop

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Introduction

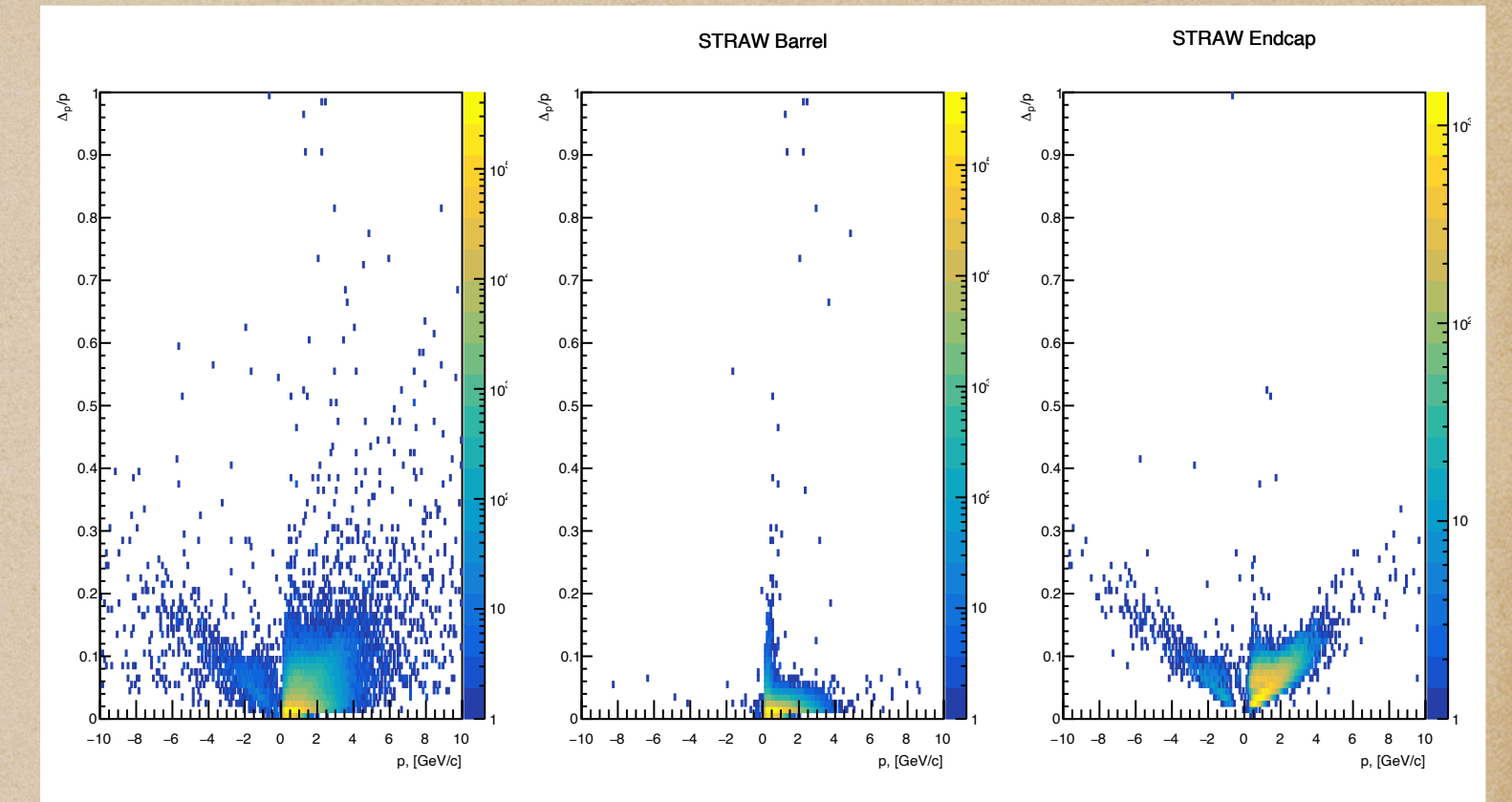
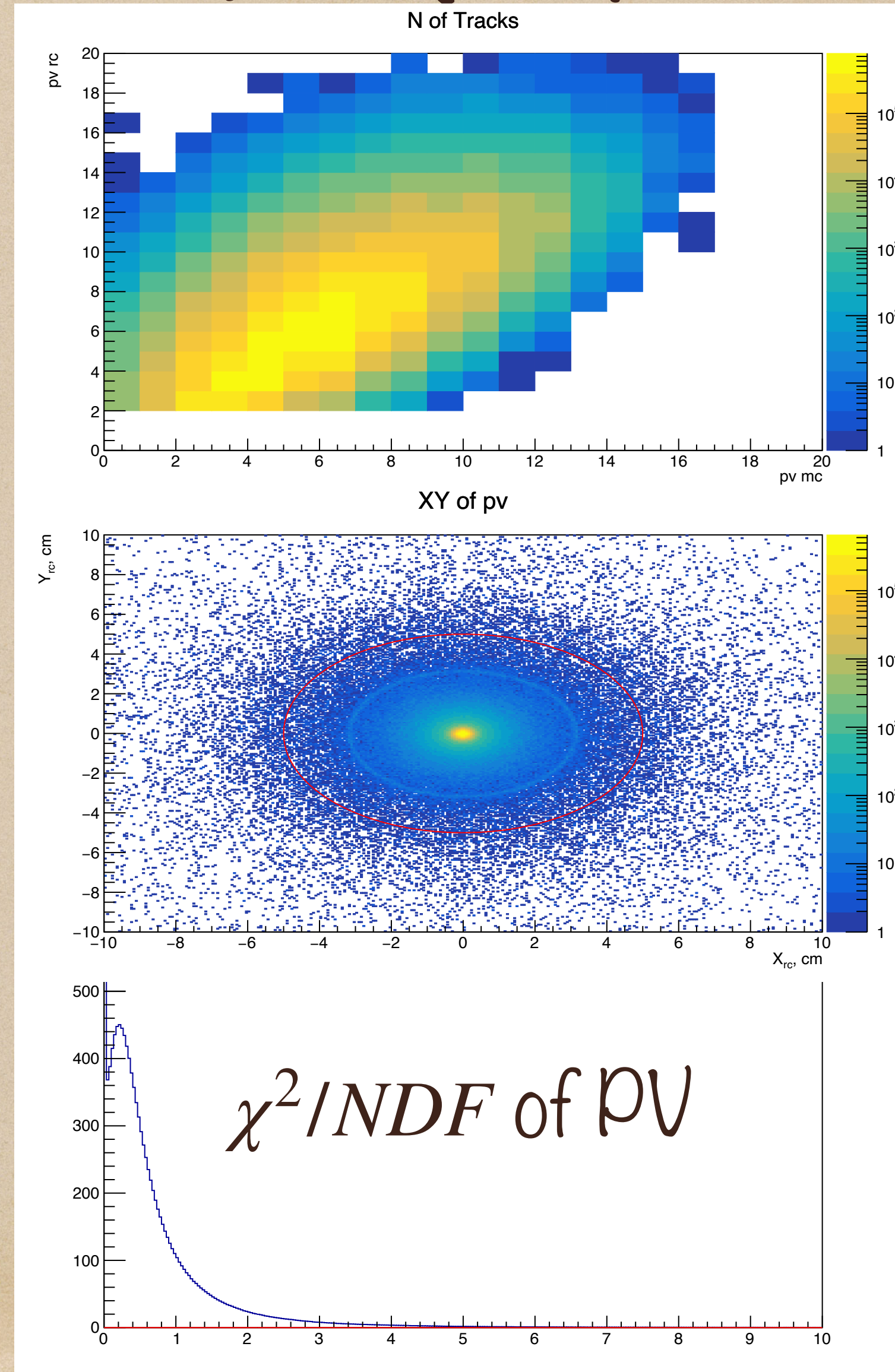
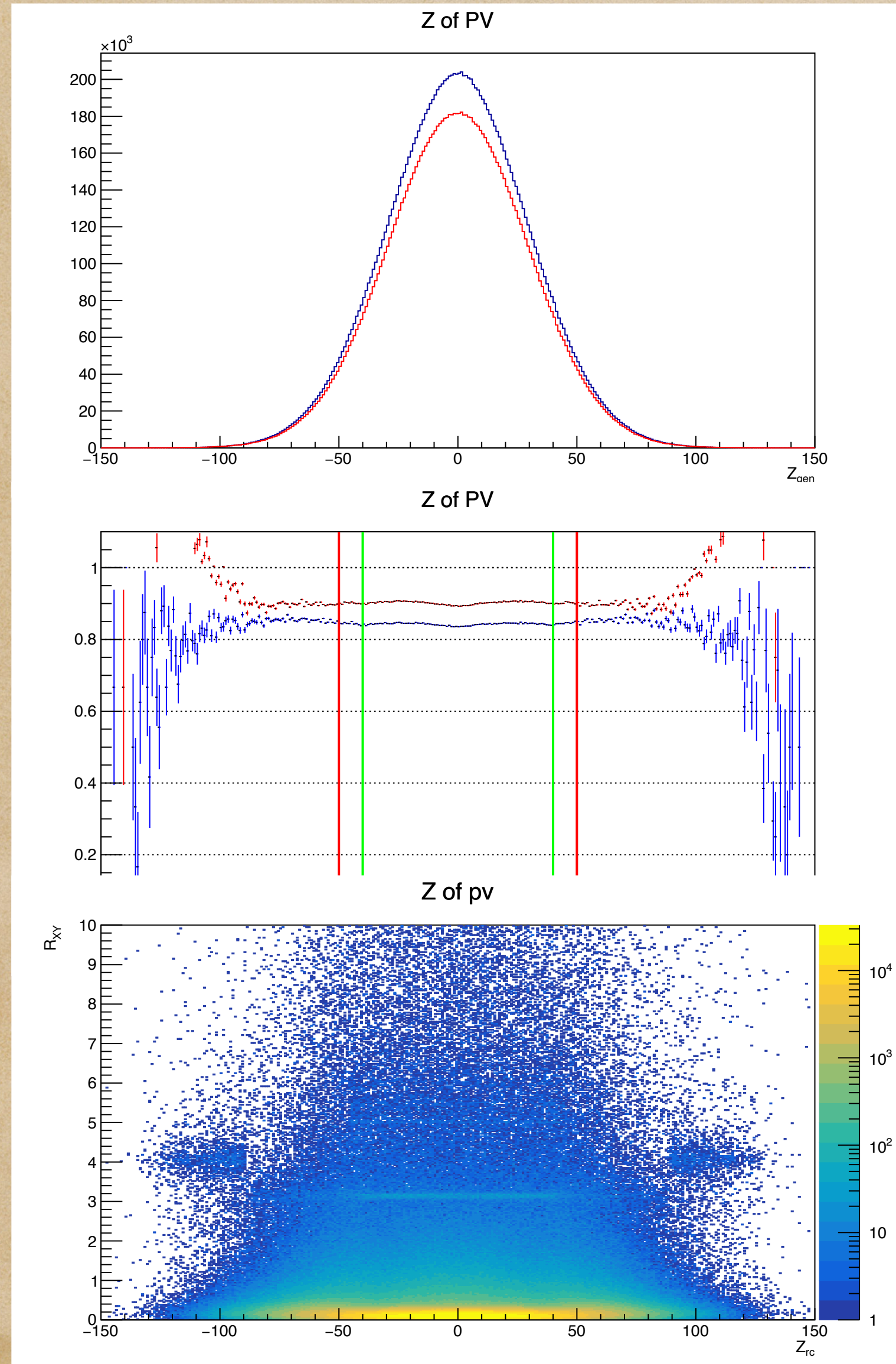
- ◆ SPD Production System is in operation
- ◆ SPDRoot: Detector description + simulation and reconstruction algorithms
- ◆ Generators: Pythia 8 or FTF
- ◆ Production table:
 - <https://docs.google.com/spreadsheets/d/1JWob53dfwMvTlmdsGncwQmPeVbmzFKuD8DHE4rYsJFw/edit?gid=0#gid=0>

Thanks to MLIT JINR team!

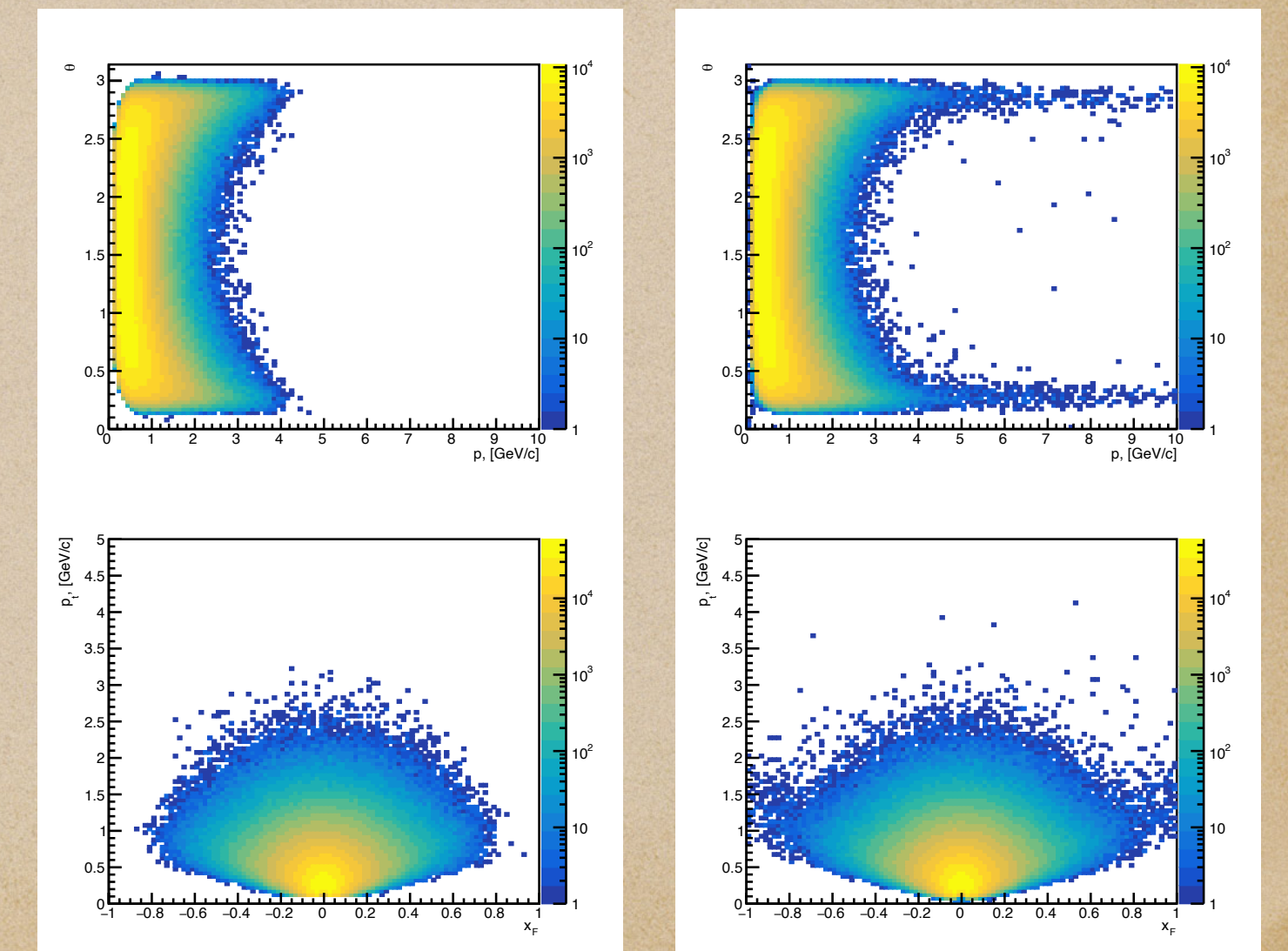
Unpolarised pp collisions

Energy	Generator	N of Events	Prod names
5 GeV	FTF	80 mln	PROD2025-007 PROD2025-008
10 GeV	FTF	40 mln	PROD2025-009
10 GeV	Pythia 8	40 mln	PROD2025-004
27 GeV	Pythia 8	20 mln	System test
27 GeV	Pythia 8	40 mln	In preparation, waiting for FARICH is ready

Some checks and results



Gen vs Reco tracks



Summary

- ◆ Set of productions is ready
- ◆ Some test are done $\Rightarrow$ Data looks reasonable
- ◆ Use the official productions in your analysis
- ◆ Send requests to produce more data
- ◆ More feedbacks are welcome!