

sPHENIX INTT Efficiency Study Using Cosmic

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Plan for the study

#0 Fun4All, DST production

#1 Hot/Dead Channel for cosmic

#2 Tracking (zero field)

- Angle distribution (vertical, horizontal)
- Tracking quality
- # of tracks → Trigger acceptance correction

#3 Hot/Dead channel fine-tuning

- With Jaein/Yuka/Joseph

#4 Tracking again (zero field)

- Residual

#5 Detection Eff.

#6 Misalignment study

#7 Systematic error analysis

