

# Re-surveying INTT after the end of run

(Email from Joe yesterday) We recently had a few brief discussions in the tracking meeting on the topic of **re-surveying the sPHENIX tracking subsystems as they are taken apart**, to the ability possible. This would ideally serve as a sanity check of the initial survey information that has (mostly) been implemented into the geometry by now. This email is intended to get the necessary experts to start thinking about what, **if anything else beyond what was initially surveyed, should be re-surveyed while taking the detector apart in a few months**. As a starting point it is assumed that **each subsystem would have at least the exact same survey measurements performed as a cross check of the initial survey measurements when the detectors were installed**.

If there are other things that would be useful we need to identify what those are sooner rather than later. These discussions may be already occurring in the subsystem groups, but we need to coordinate them and make sure we have a plan when the time comes. Please let me know the following:

1. If your subsystem group has already had discussions regarding re-surveying
2. **If your subsystem needs anything re-surveyed beyond what was initially surveyed at installation**

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- Do we need to re-survey INTT beyond what was initially surveyed, after the end of this run?
- Do we have the tool (and manpower) to do it?
- Aside from the re-surveying, it would be nice to put all the information w.r.t the initial survey into wiki:
  - How the original survey was performed.
    - Looks like there is no info in the wiki yet...
    - Where can we find the information? who has those?
  - How is the original survey data being implemented into the geometry info for the tracking?
  - Please send me (or mattermost INTT\_experts) the information you have regarding the initial survey so that we can compile them into one “INTT survey” wiki page.