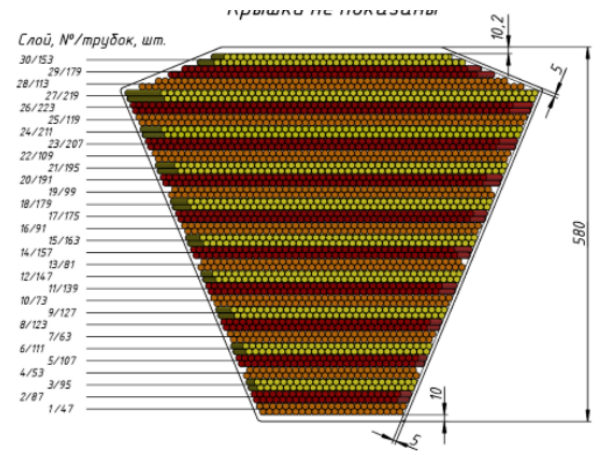# SpdRoot update

Igor Denisenko
iden@jinr.ru

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Update highlights

SpdRoot has been updated to make it more consistent with the current version of TDR:

- Magnetic field is updated (JINR option, see may talk at PW), the Novosibirsk option will be also added.

- The magnet updated (parameters of the old magnet has changed to match mew geometry, mass ~ 20 T – Andrey Gridin)

- Straw tracker geometry update: **extra layers in barrel, less (16) layers in endcaps** (Ruslan Akhunzyanov)

- TOF system described by Artem Ivanov

- Thanks to Ruslan and Artem PID is available (dE/dx , TOF + basic AEG) but no examples are provided in the release. See the relevant talks and contact me or authors. The examples and performance tests we be added to the master branch.

- Experimental track finding in RS is also added (no examples), contact me if want to use it.

- Beam pipe has been recently updated by Artem (shown in the basic examples?)

- For your work use the master branch.

Nearest plans

- We plan to add performance tests and examples.
- Update the default DSSD set-up (possibly enable endcaps).

User feedback and requests would be important.