

Status of MiniDST in MpdRoot

September 2, 2019

MiniDST, current status

How to get?

1. `git clone --recursive https://git.jinr.ru/nica/mpdroot.git`
2. `git checkout miniDST_toBeTested`

Source codes in MpdRoot:

- **MiniDST source codes:**
\$VMCWORKDIR/mpddst/MpdMiniEvent/MpdMini*.h(cxx) -
- **Converter to the format:**
\$VMCWORKDIR/mpddst/MpdMiniDstFillTask.h(cxx)

Use in reco.C:

```
...
// Task to be included
MpdMiniDstFillTask* miniDst = new MpdMiniDstFillTask("miniDST.root");
// miniDst->isUseTpc(kFALSE);
// miniDst->isUseTof(kFALSE);
// miniDst->isUseEcal(kTRUE);
miniDst->isUseMcTracks(kTRUE);
fRun->AddTask(miniDst);
...
```

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Already done:

- Output data format derived from STAR has been incorporated to MpdRoot.
- Converter to be used for filling the format, written in a “canonical way” via the FairRoot task mechanism, has been incorporated to MpdRoot.
- Some data members of the format have been already filled.
- The task has been added to the main reco macro.
- The task allows one to include / exclude detectors (data types - MC or reco) to be written to output.

Planned to be done a.s.a.p.:

- To fill remaining data members of the format (A discussion required ...).
- To decide whether we need to add new or remove existing data members or not to be adopted better to MPD.
- To extend the format by specific detectors to be used in MPD.
- ...
- **As done and extensively tested, to finish transition to the format as the main output from reco.** (Right now a standard DST and the current one co-exist together)

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