

Rawstream discussion

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General

- ▶ AliTRDdigitsParam::SetPretriggerPhase(...)
- ▶ store Ntimebins and ADCbaseline per HC?
- ▶ dictionary usage: filling everything with zero
TRD.Digits.root: 433 kB → 553 kB (for 10 events)
- ▶ tracklet output as tree of:
hc, TClonesArray<AliTRDtrackletWord>

rawStream

- ▶ Error handling must be improved, e.g.
 - ▶ error codes (mapped to messages)
 - ▶ useful output (including position and problem)
 - ▶ tree with error codes and position
- ▶ pass config event to AliTRDtrapConfig
- ▶ SetRawVersion(...) obsolete?
- ▶ too many versions:
rawStreamBase, rawFastStream, rawStream, rawTPStream

Other issues

- ▶ Improper handling of tracklet loader:
missing `Unload()` \Rightarrow many directories for non-existing events
(ultimately caused by the reconstruction being run for non-existing events)
- ▶ changes in `rawData` and `clusterizer`

Config event

- ▶ What to do with it?
- ▶ Only in SOR events (first events) \Rightarrow first chunks

Error while reading:

```
AliError(MCMError(kPosUnexp));
```

```
AliError(MCMError(kPtrgCntMismatch,  
  Form("%i <-> %i (HC: %i)", evno, mcmh.EvNo(),  
  fCurrPtrgCnt) ));
```

Implementation:

```
TString AliTRDrawStreamOnline::MCMError(ErrorCode_t err ,
    TString msg)
{
    fLastError.fSector = fCurrEquipmentId - 1024;
    fLastError.fStack   = fCurrSlot;
    fLastError.fLink    = fCurrLink;
    fLastError.fRob     = fCurrRobPos;
    fLastError.fMcm     = fCurrMcmPos;
    fLastError.fError   = err;
    fErrors->Fill();

    return Form(
        "Event_%"6i":_Eq._%"2d_S_%"i_l_%"2i_ROB_%"i_MCM_%"2i_-_%"s":_" ,
        fRawReader->GetEventIndex(), fCurrEquipmentId, fCurrSlot,
        fCurrLink, fCurrRobPos, fCurrMcmPos, fgErrorMessages[err]
        + msg;
    )
}
```