
Current Status and Plans in Pisa

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INFN Pisa

Plans in Pisa

Items where we would like to Contribute:

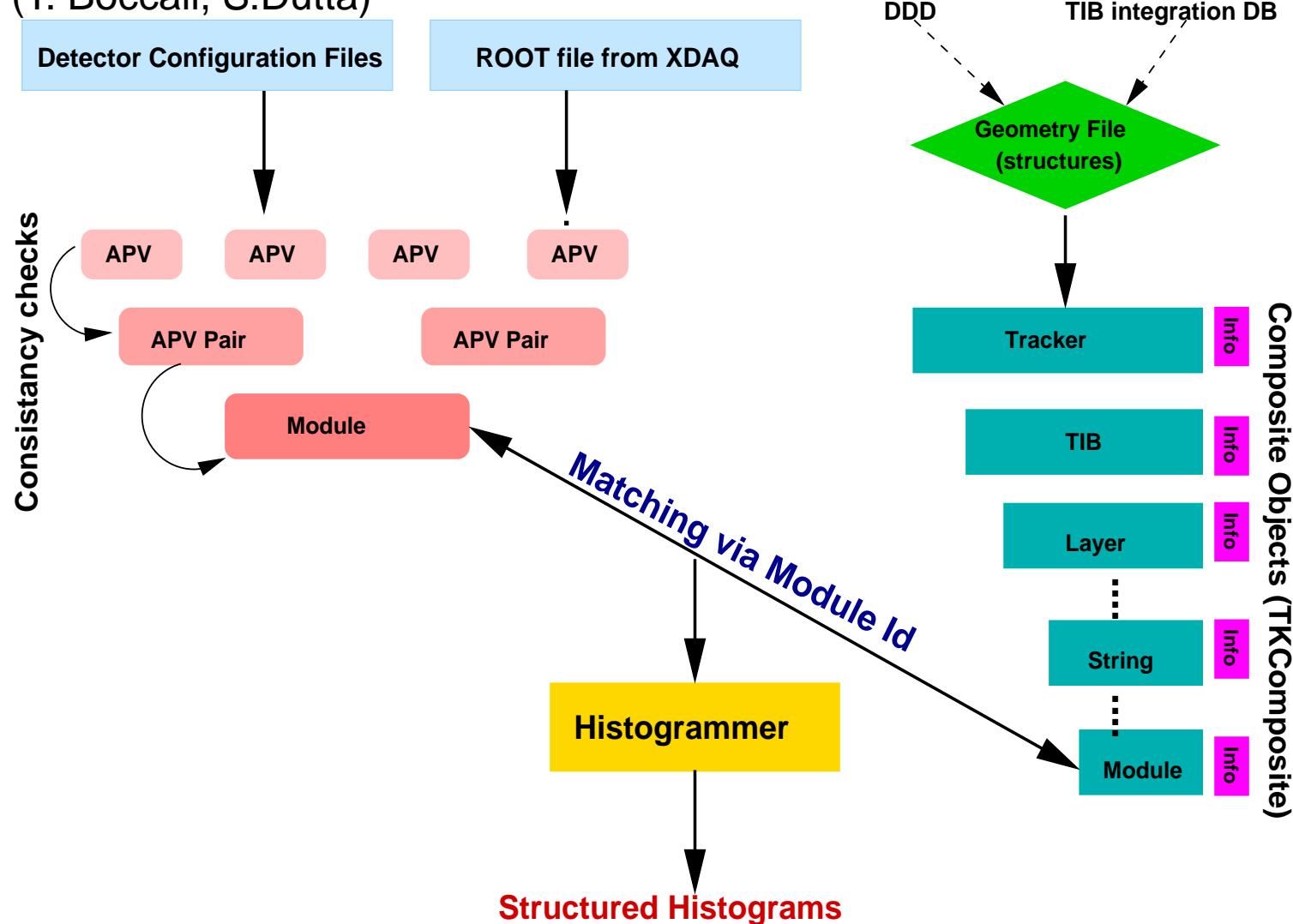
- Monitoring Histograms
 - what we have? what are missing?
 - book them following the tracker geometry structure
 - optimise CPU usage and estimation
- Usage of Calibration Database
- Monitoring of higher level objects (b-Tagging...)

Goal : Can we try first two items in September Beam Test?

Working Group at the moment : I.Bernardini, G.Segneri,
S.Dutta

Histograms following Tracker Geometr

....relevant codes are developed during TIB Integration in Pisa (T. Boccali, S.Dutta)



Histograms following Tracker Geometr

```
<TrackerStructureDefinition>
<TkStructure type="tracker" name="theonlytrackerwehave" position="1">
    <TkStructure type="subdet" name="tib" position="1">
        <TkStructure type="layer" name="layer" position="1">
            <TkStructure type="string" name="string" position="1">
                <TkStructure type="module" name="101" position="1a"/>
                <TkStructure type="module" name="102" position="1b"/>
                <TkStructure type="module" name="103" position="1c"/>
            </TkStructure>
            <TkStructure type="string" name="string" position="2">
                <TkStructure type="module" name="201" position="1a"/>
                <TkStructure type="module" name="202" position="1b"/>
                <TkStructure type="module" name="203" position="1c"/>
            </TkStructure>
        </TkStructure>
    </TkStructure>
</TkStructure>
</TrackerStructureDefinition>
```

Histograms following Tracker Geometr

All Folders	Contents of ".../layer_1/string_2/Module_1c"
<ul style="list-style-type: none">root/home/users/sdutta/ClientROOT Files<ul style="list-style-type: none">- test.root<ul style="list-style-type: none">- Record<ul style="list-style-type: none">- General_Info_List;1- theonlytrackerwehave_1<ul style="list-style-type: none">- Header;1- tib_1<ul style="list-style-type: none">- Header;1- layer_1<ul style="list-style-type: none">- string_1<ul style="list-style-type: none">- Header;1- Module_1a<ul style="list-style-type: none">- Header;1- APV_4;1- APV_1- APV_2- APV_3+ Module_1b+ Module_1c- string_2<ul style="list-style-type: none">- Header;1- Module_1a<ul style="list-style-type: none">- Header;1- APV_3;1- APV_1- APV_2- APV_4+ Module_1b+ Module_1c	<ul style="list-style-type: none"> APV_4_Inoise;1 APV_4_lped_vs_str;1 APV_4_badchannel_flag;1 APV_4_cmnoise_vs_str;1 APV_4_cmode;1 APV_4_mask_vs_str;1 APV_4_pedestal;1 APV_4_rnoise;1 APV_4_rnoise_vs_str_prof;1 APV_4_signal_vs_str;1 APV_4_Inoise_vs_str;1 APV_4_lpedestal;1 APV_4_cmnoise;1 APV_4_cmnoise_vs_str_prof;1 APV_4_mask;1 APV_4_ped_vs_str;1 APV_4_rawdata;1 APV_4_rnoise_vs_str;1 APV_4_signal;1 APV_4_signal_vs_str_prof;1

Outlook

- Can we use same strategy in Beam Test as well ?
 - codes developed in Pisa should be ported to ORCA
 - modification in the Histogrammer
- CPU optimization
- is it compatible with COSINE ?