

Task related to summer test beam

MEDIUM-TERM TASKS

Test beam tasks – medium term - DAQ

type	task	assigned ?	
MMDAQ	mmdaq v2 main	MB	critical
MMDAQ	mmdaq v2 monitor (+reco, rotations)	MB+KN	critical
MMDAQ	mmdaq v2 testing APV	MB + ?	critical
VMM01	mmdaq2 test VMM01	MB + ?	critical
MMDAQ	SQL connectivity (run info)		optional
MMDAQ	HTML publishing		optional
MMDAQ	mmdaq v2 loggers (1. run log book, 2. internal)		optional
MMDAQ	mmdaq v2 DCS integration		optional

Test beam tasks – medium term - DA

Based on current data preparation program “recomm”:

- APV25 data
- ADC Charge fit (definition of strip charge, time)
- Strip filtering
- Clusterisation
- 2D hit reconstruction
- BAT Si tracker synchronisation

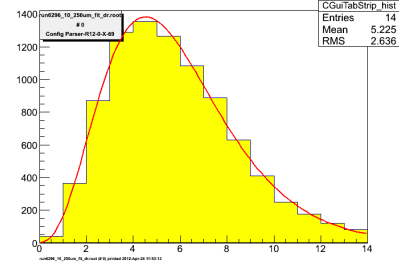
type	task	assigned ?	
DA-recomm	Recomm cleanup (previous ideas)	MB	
DA-recomm	Detector geometry (add chamber rotations)		urgent
DA-recomm	BNL support	MB	easy
DA	Event browser	MB+KN	

Credits due:

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Event browser

Objective: to be able to review each step of data preparation process



The screenshot shows the 'Event Browser' application window. The title bar reads 'Event Browser'. The interface includes a file tree on the left, a central panel with tabs for 'Strip', 'Readout', 'Plane', 'Chamber', and 'Main Options', and a bottom status bar.

The file tree on the left shows a hierarchy starting with 'Config Parser', followed by folders 'CR2', 'R18', and 'R19G'. Under 'R19G', there is a folder '0', which contains sub-folders 'U (4)', 'V (5)', and 'X (6)'. The 'X (6)' folder is selected and highlighted in blue. Below it are several sub-folders: '227 (75)', '228 (335)', '229 (1153)', '230 (994)', '231 (314)', and '232 (75)'. At the bottom of the tree are folders 'R20' and 'R21'.

The central panel has tabs for 'Strip', 'Readout', 'Plane', 'Chamber', and 'Main Options'. The 'Readout' tab is active, and within it, the 'Readout 1D' sub-tab is selected. The main display area contains two plots:

- The left plot is titled 'CGuiTabReadout1D_hist' and shows a histogram of values. The x-axis ranges from 0 to 250, and the y-axis ranges from 0 to 1200. A single sharp peak is visible at approximately x=230. A tooltip for this peak shows: 'CGuiTabReadout1D_hist', 'Entries: 8', 'Mean: 229.5', and 'RMS: 0.9973'.
- The right plot is titled 'time' and shows a scatter plot of values. The x-axis ranges from 0 to 250, and the y-axis ranges from 0 to 30. The data points are clustered around x=230, with y-values between 8 and 13. A tooltip for this cluster shows: 'time', 'Entries: 0', 'Mean x: 0', 'Mean y: 0', 'RMS x: 0', and 'RMS y: 0'.

The bottom status bar displays 'run6918.root (raw)', 'Current entry = 4 / 20000', and the file path '/Volumes/HDD/data/2011/testbeam_Oct/APV25'.