

# Instructions simple replay of Hall C Raster Data

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## Abstract

Analysis of data taken with a spectrometer trigger to quickly see the raster pattern.

## 1 Description of Hall C raster system

The Hall C raster system has two sets of XY rasters. For this document the rasters will be labeled: XA, YA, XB and YB. The voltage that drives the four fast rasters is put into the HMS and SHMS DAQ. For the HMS, the data is in ROC 11, slot 18, channels 12-15 for XA, YA, XB and YB. For the SHMS, the data is in ROC 2, slot 14, channels 12-15 for XA, YA, XB and YB.

## 2 Analysis

For a simple analysis of the raster data, the raster data is put into the TRIG apparatus rather than the standard raster detector class. The analysis can be done for HMS and/or SHMS data.

- Analysis is done in the hallc\_replay directory using hcana.
- Run either:
  - hcana SCRIPTS/HMS/replay\_hms\_raster\_simple(runnumber,-1)
  - hcana SCRIPTS/SHMS/replay\_shms\_raster\_simple(runnumber,-1)
- To look at histogram, cd to the onlineGUI directory
- Run either:
  - ./online -f Config/HMS/RASTER/simple\_raster.cfg -r runnumber
  - ./online -f Config/SHMS/RASTER/simple\_raster.cfg -r runnumber