

# TOF Run-4 Operations Summary

W.J. Llope  
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>10M 62 GeV events

>50M 200 GeV events → largest TOF data sets to date....

## Detectors

### pVPD

one board failure on East early in run

otherwise no problems

### TOFp

no failures, ran stably throughout (best run so far actually)

### TOFr

new design for run-4, ran hotter than run-3 version

higher noise rates and HV current draw

prelim calibrations show system still meets resn goal

2 TFEF boards had missing threshold - no data from these

otherwise no major problems

## Interfaces

TOFp DAQ extended to 3 camac crates, worked fine

### TRG interface

high-rate strobing of our BiRa w/ zero-data words

sent us 100% busy, crashes run in progress

addressed by modifying firmware in TCD - seemed to work

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## This shutdown:

TOFp tray to be decommissioned

CAMAC DAQ&TRG interfaces to be decommissioned

retaining space in 1B-1 and -2, no longer need half of 1B-4

## Run-5 Plans:

new TOFr tray ("TOFr5")

improved mechanical design

new DAQ/TRG interfaces (first prototypes of TOF full chain, HPTDC-based)

possible upgrade to pVPD (more chs, same space&weight)

pVPD West recently damaged

mch structure needs replacement if to be used in Run-5

PMTs lent to project, if damaged must be replaced