
XEM Collaboration Meeting

Lab Expt: E03-103 & E02-019

Spokepersons:

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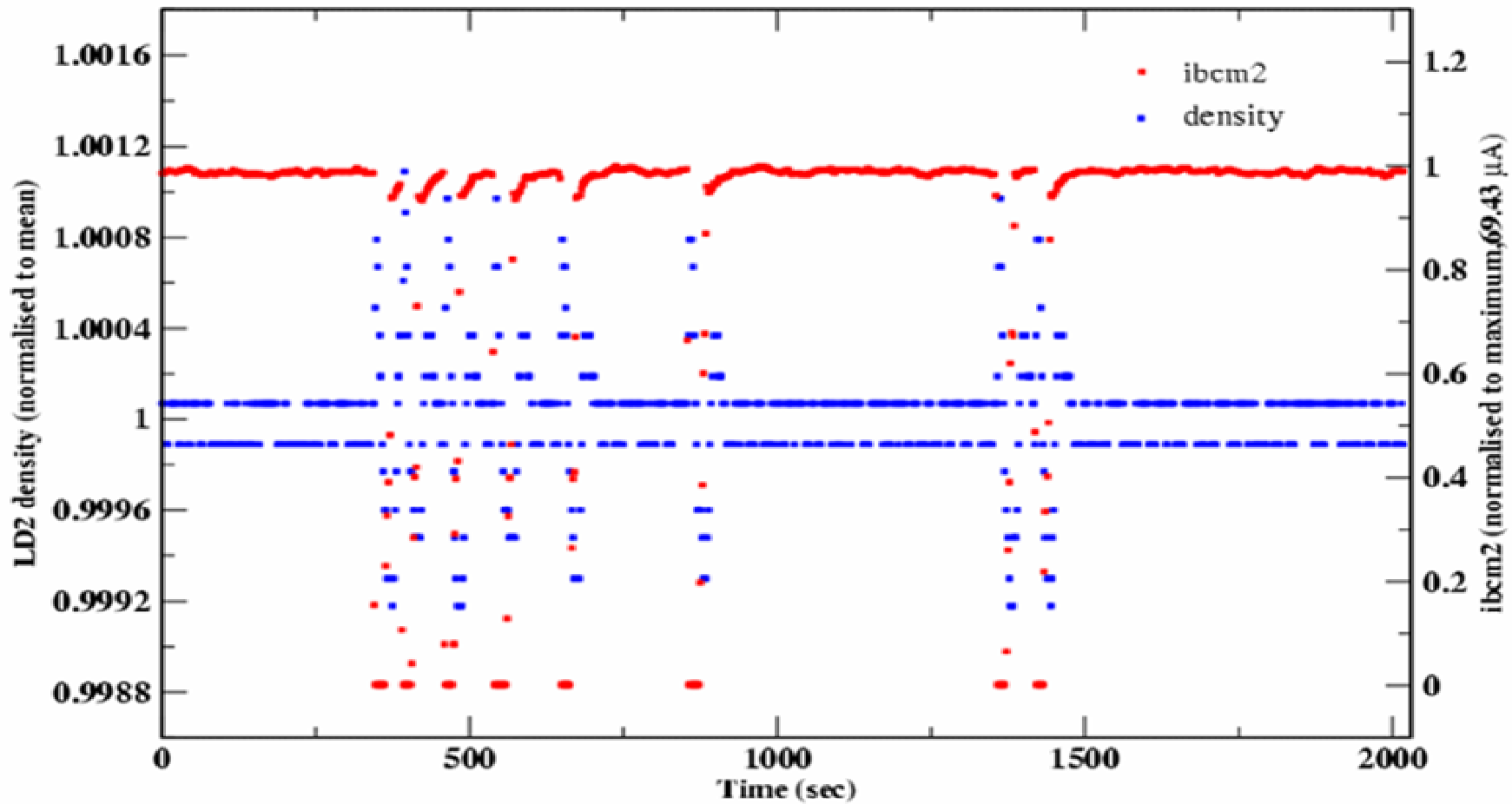
Cryotarget density fluctuations

Outline

- Target response to beam trips.
- Density fluctuations of Helium targets during the run period.

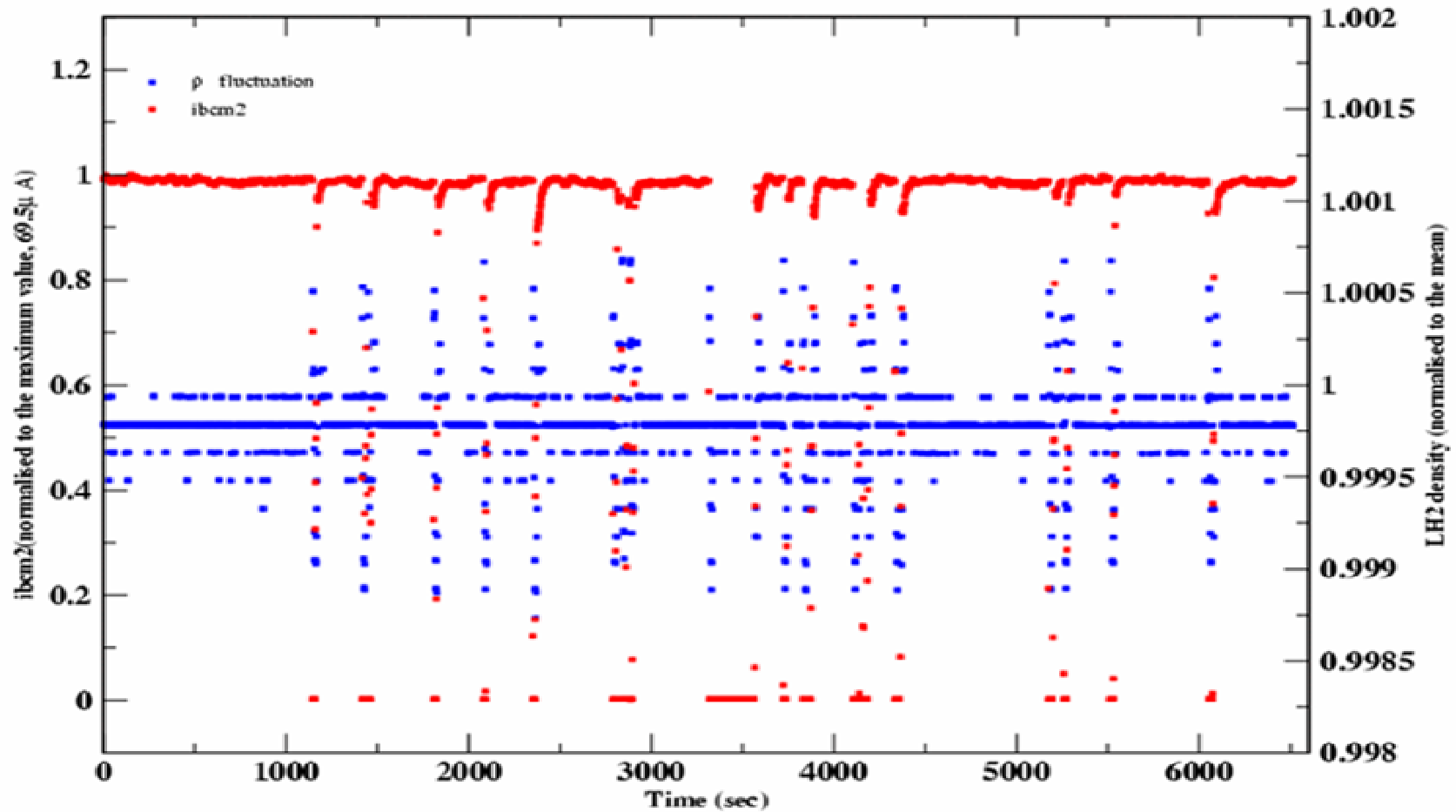
Target response LD2

LD2 density fluctuation (run no 52383)



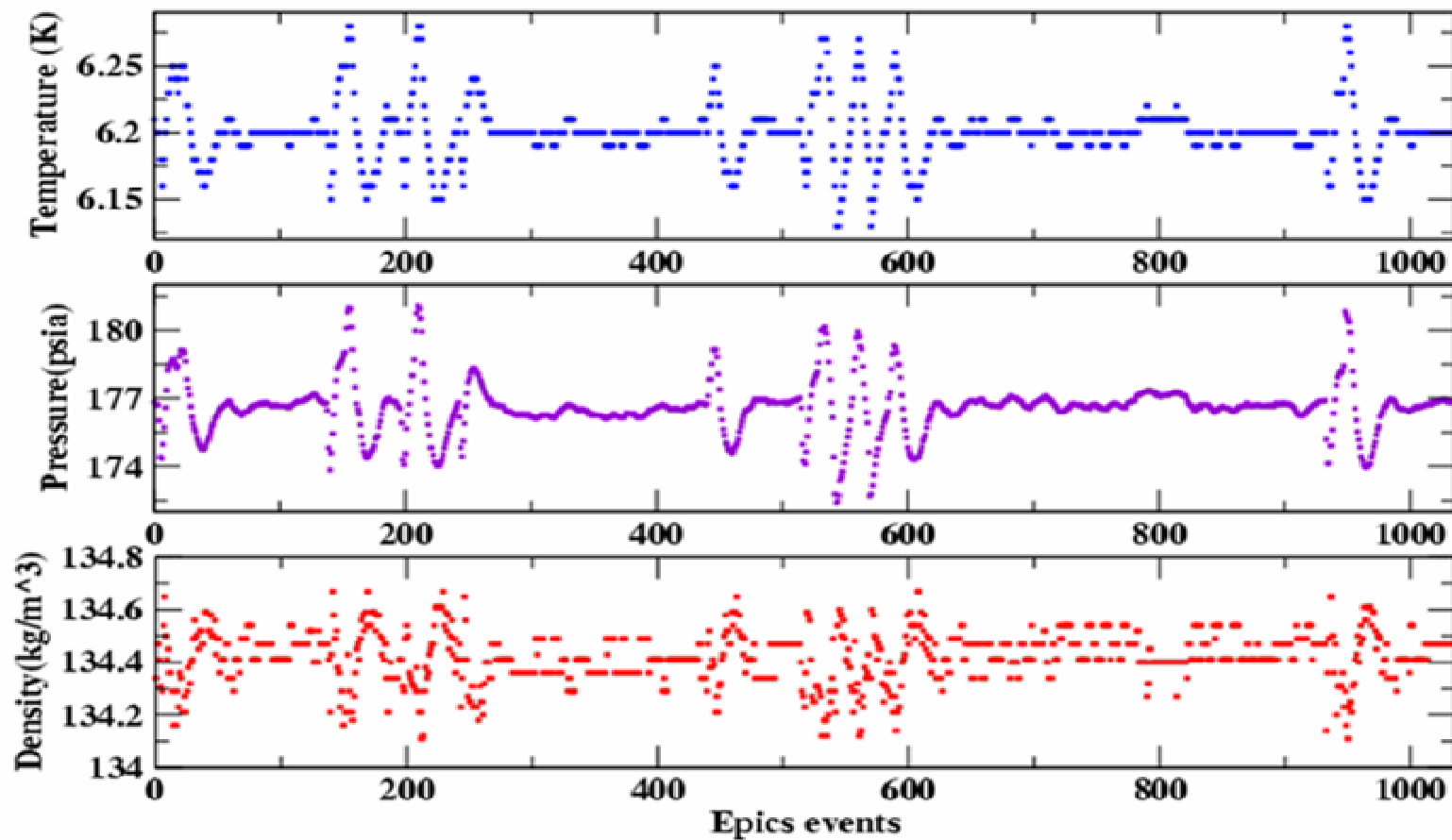
Target response LH2

LH2 density fluctuation (Run no 52319)

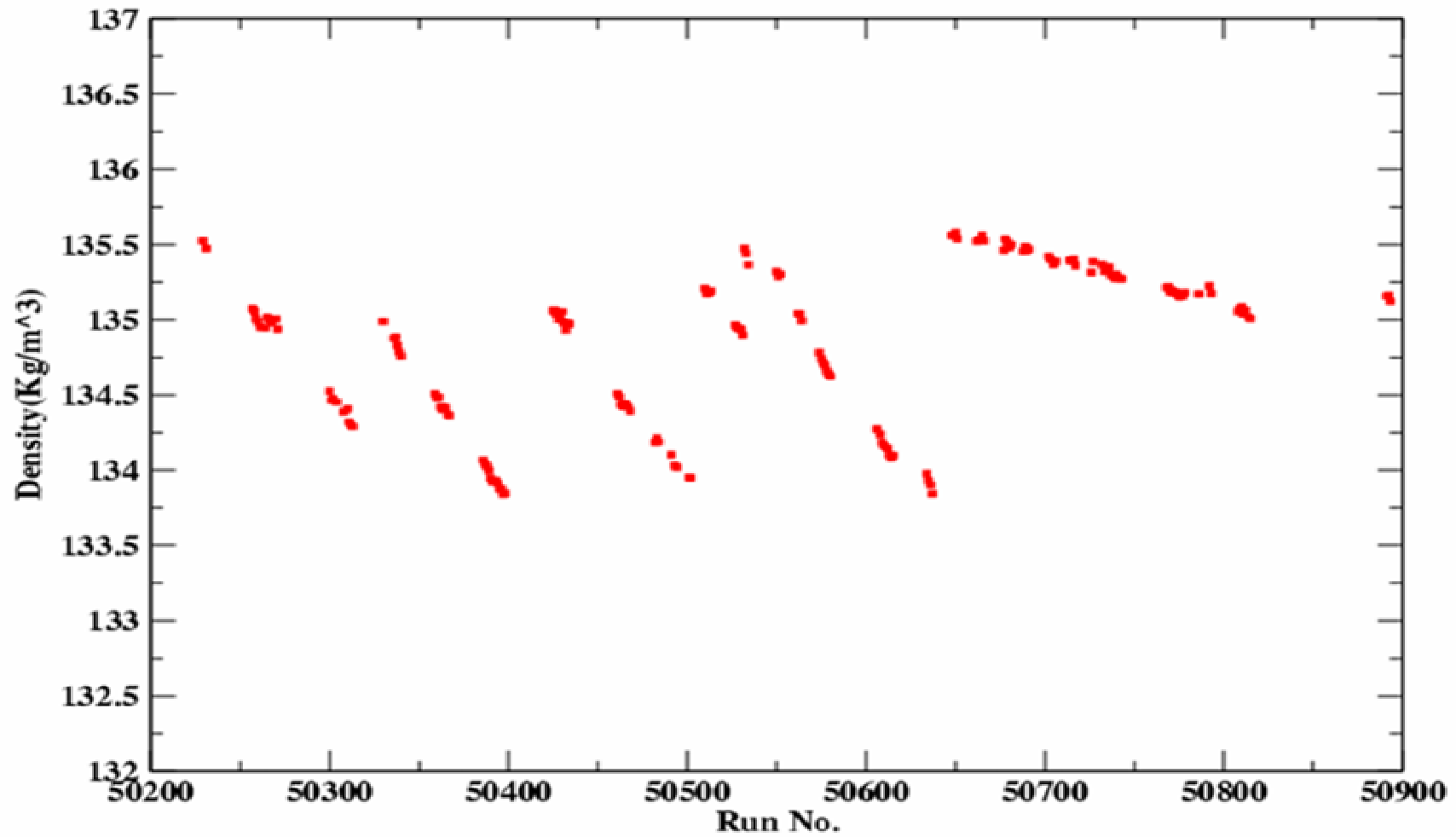


Target response He4

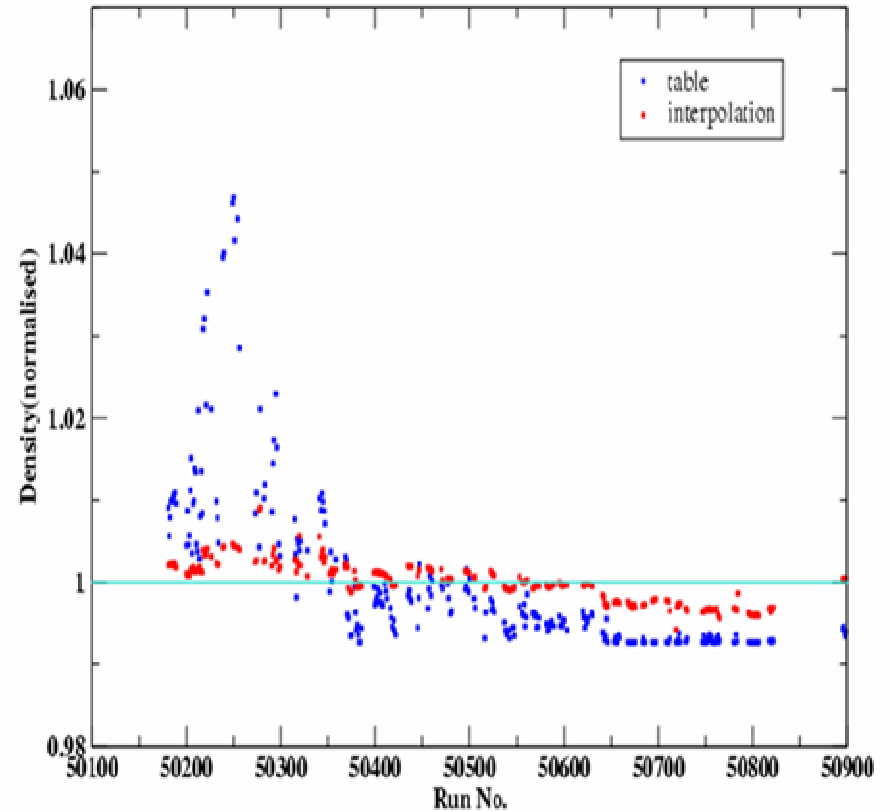
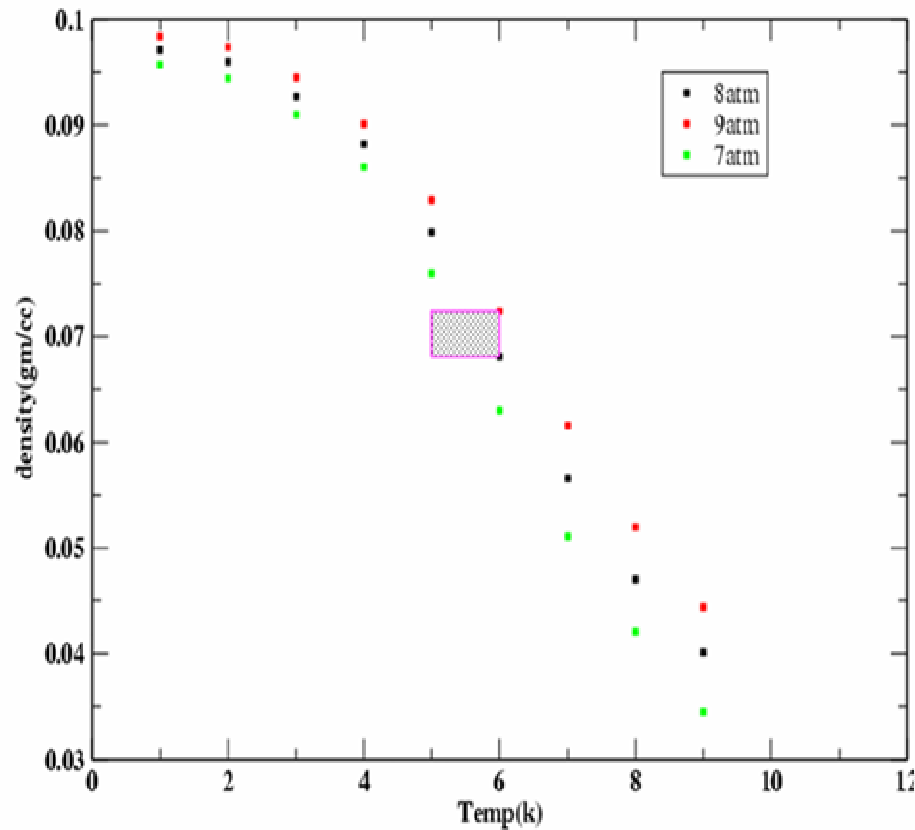
Run no 50467



Target response He4

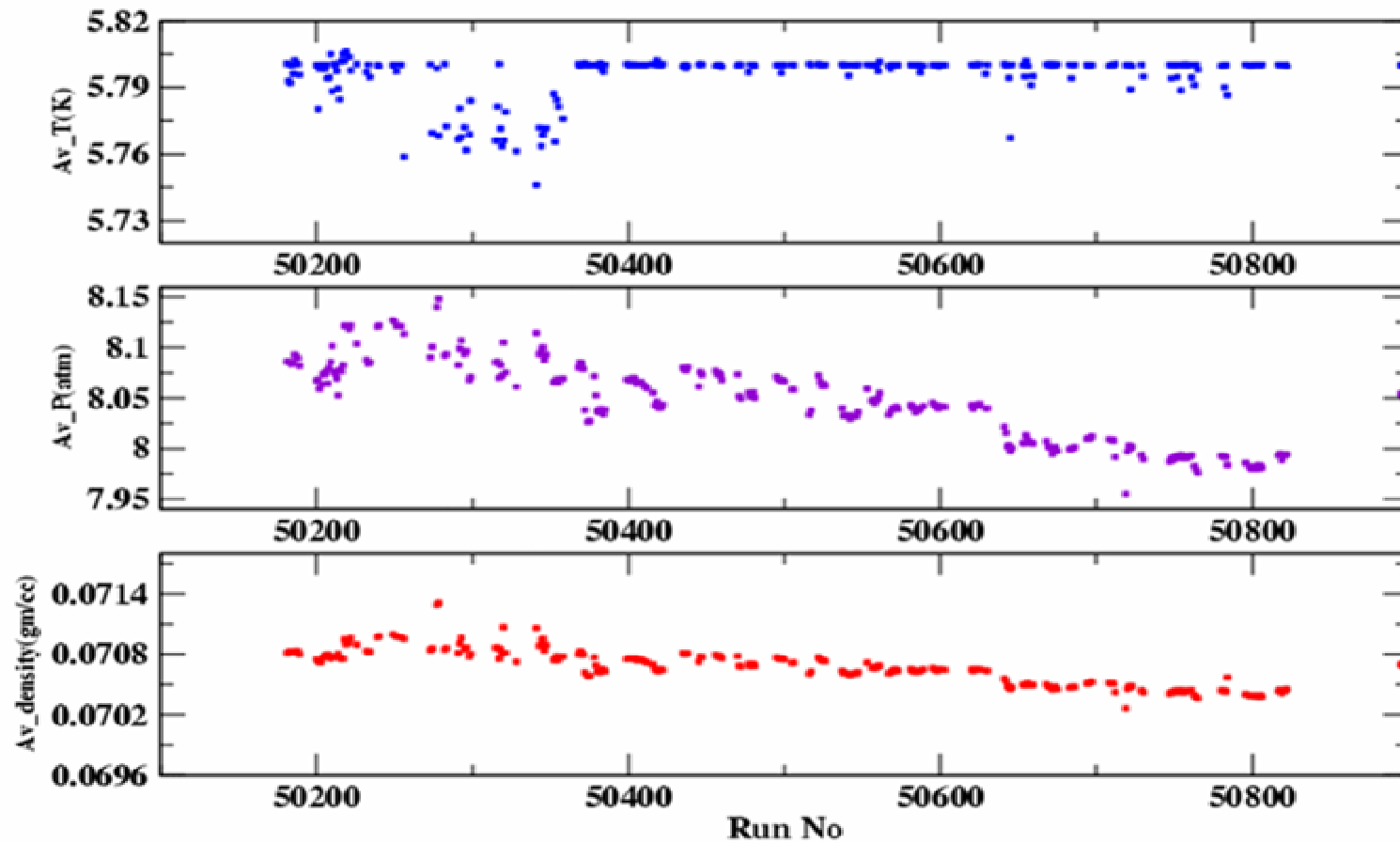


Target response He3



Density calculated using the tables:
Thermodynamic Data of Helium-3
R.M.Gibbons and D. I. Nathan

Target response He3



Summary

- Cryotarget beam response has been analyzed.
- No need to correct for beam trips.
- Need density correction for He3 and He4 on a run by run basis.