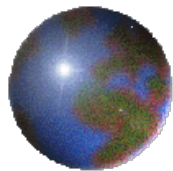


D2n Target Analysis Progress Report

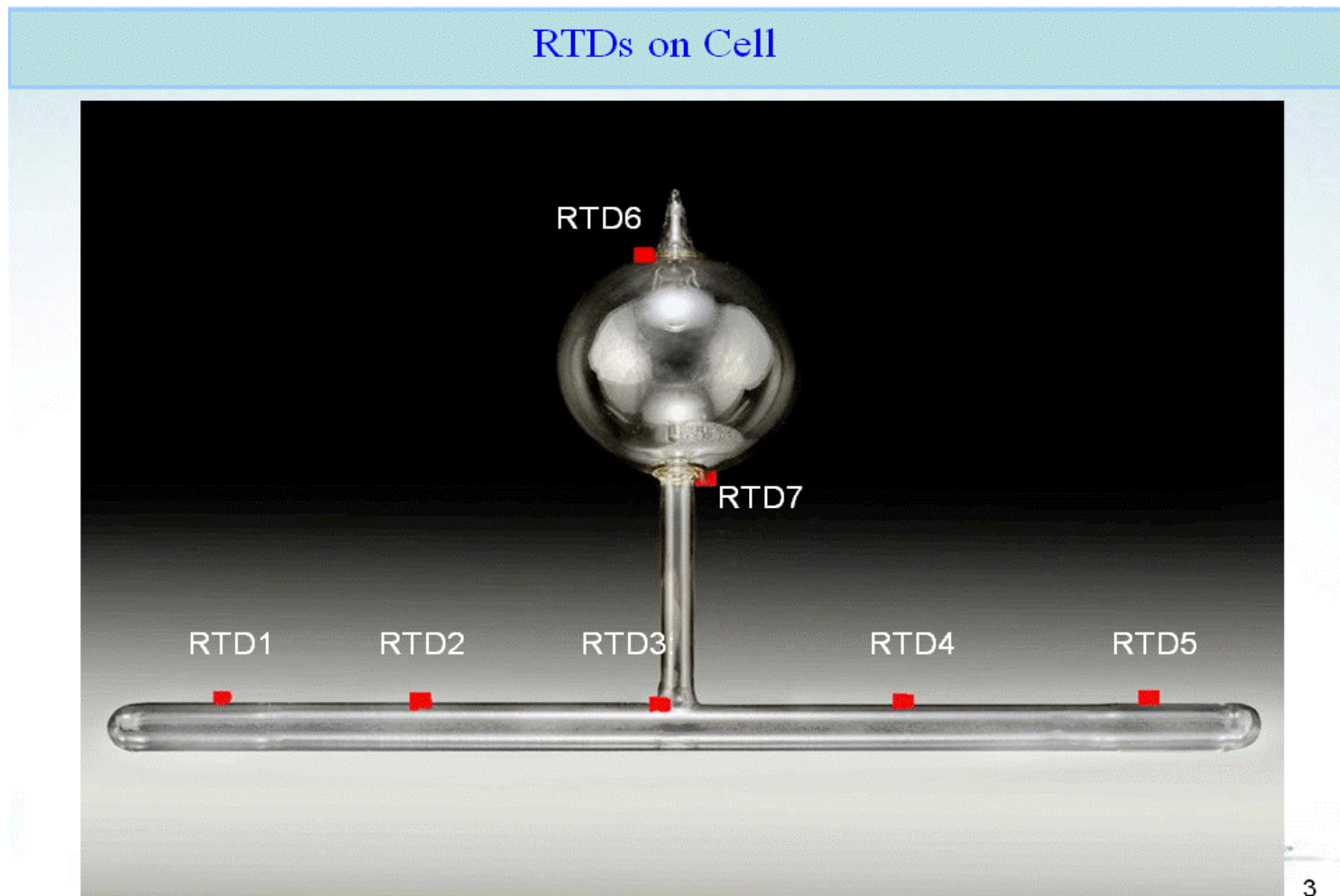
Yawei Zhang
Rutgers University

February 18, 2011

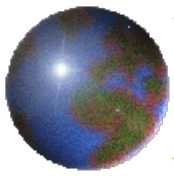


RTD Readings

RTD positions on cell:

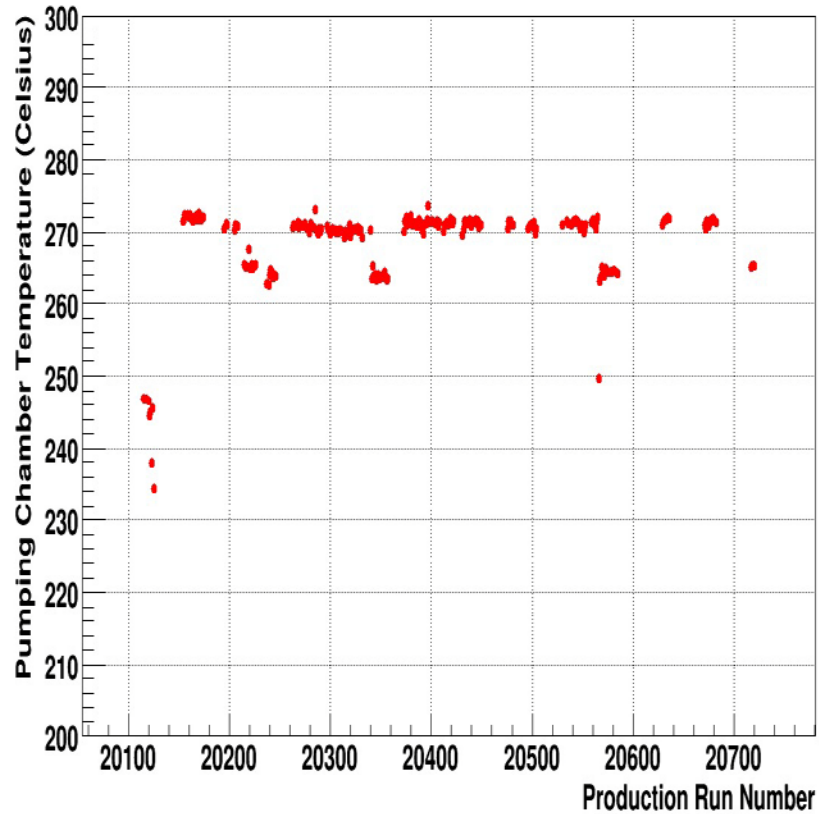


3



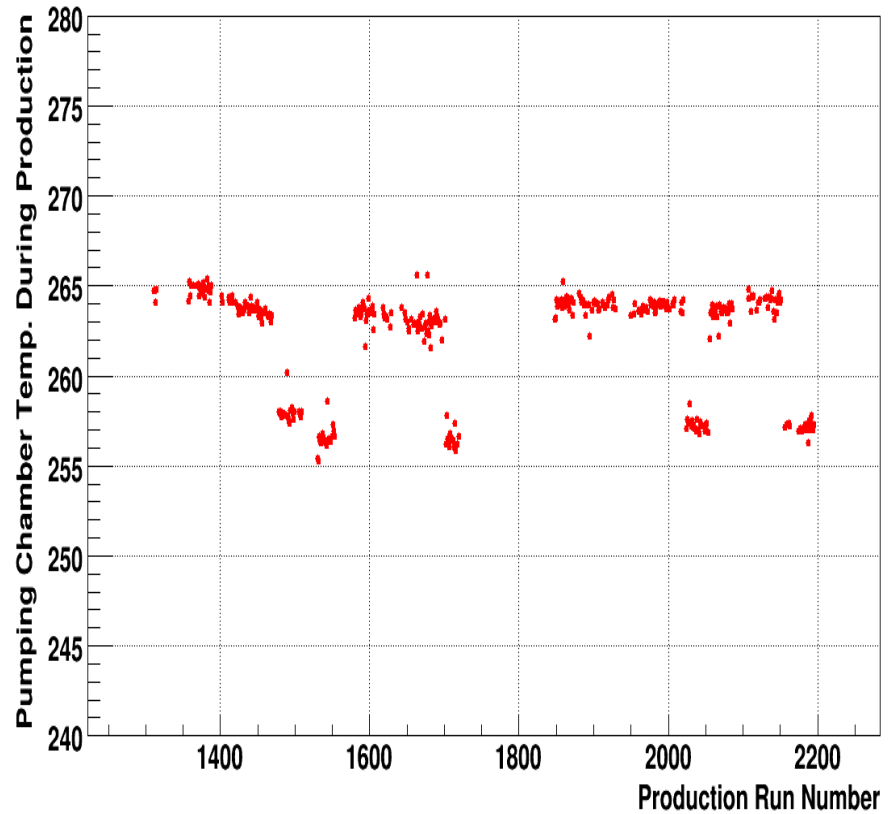
Pumping Chamber Temperature

Temperature in Samantha pumping chamber

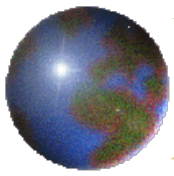


Left HRS

Samantha cell

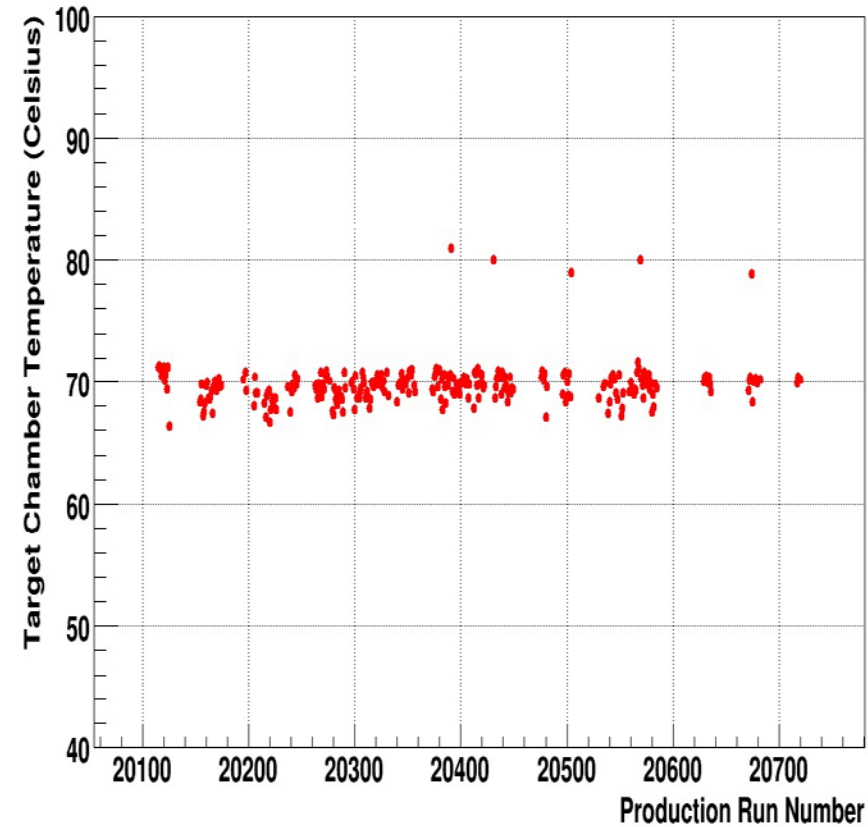


Bigbite



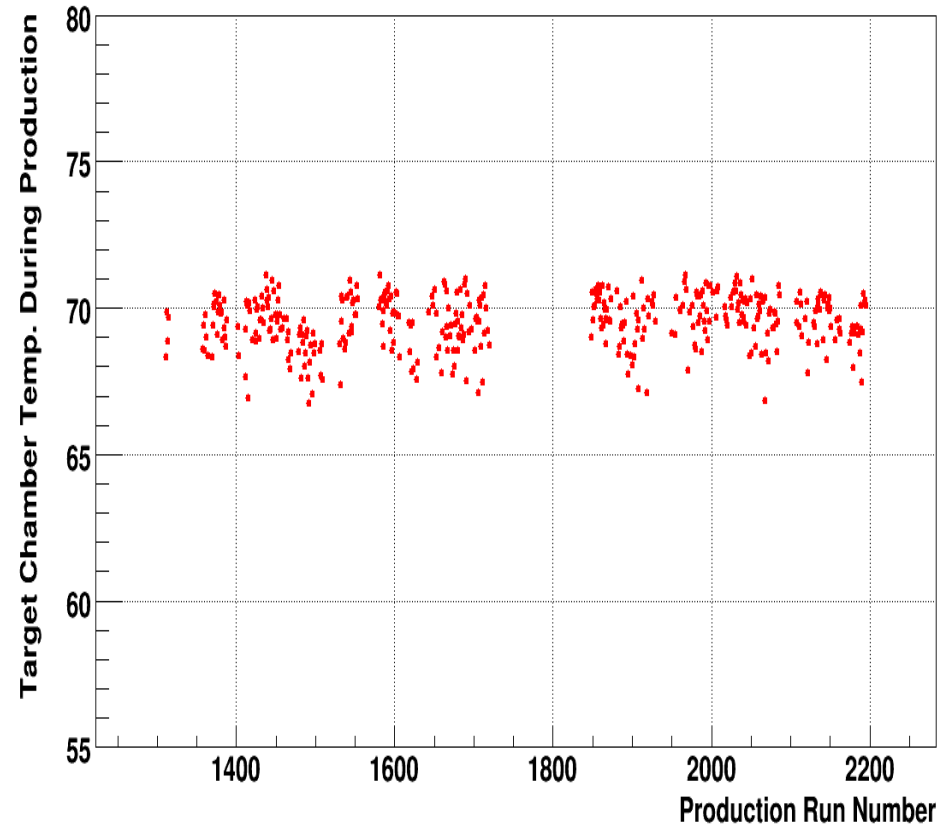
Target Chamber Temperature

Temperature in Samantha target chamber

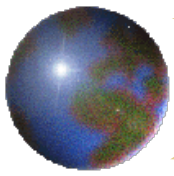


Left HRS

Samantha cell

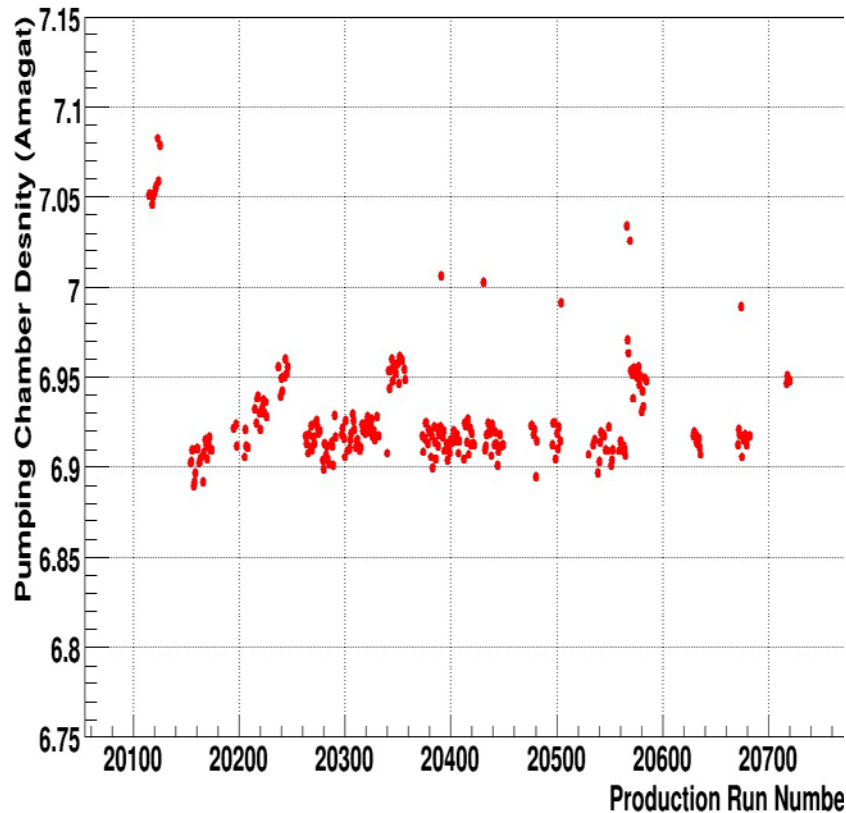


Bigbite



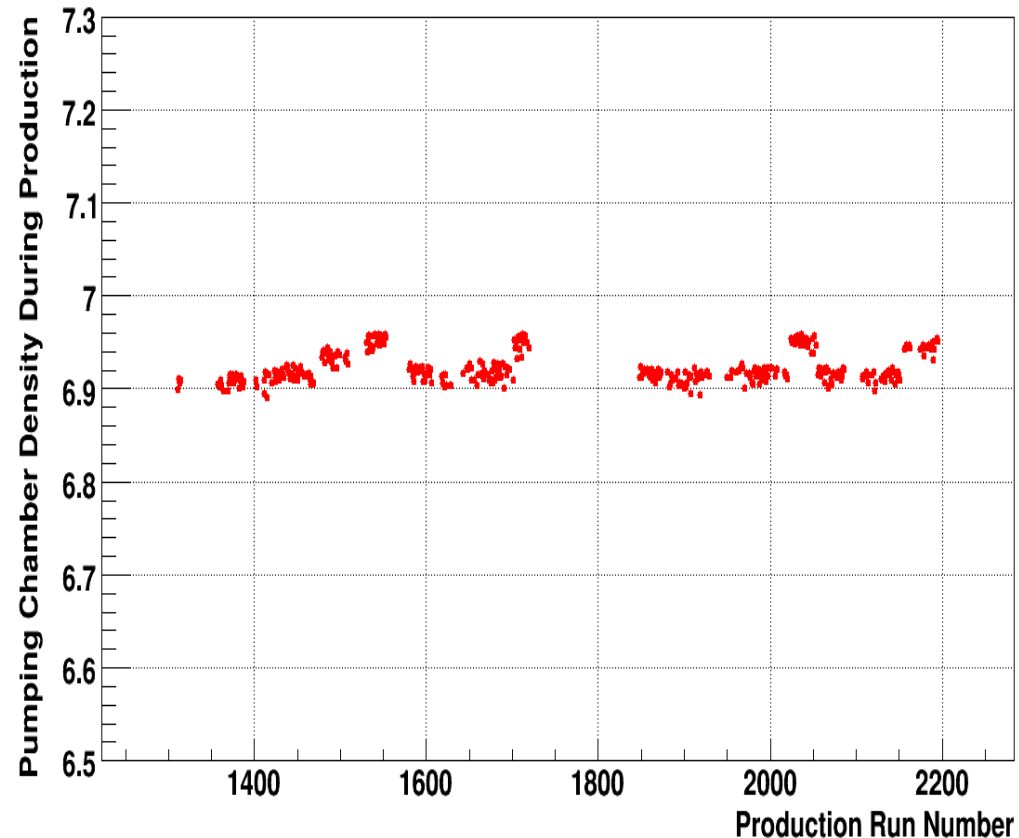
Pumping Chamber Density

Density in Samantha pumping chamber

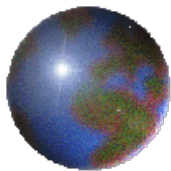


Left HRS

Samantha cell

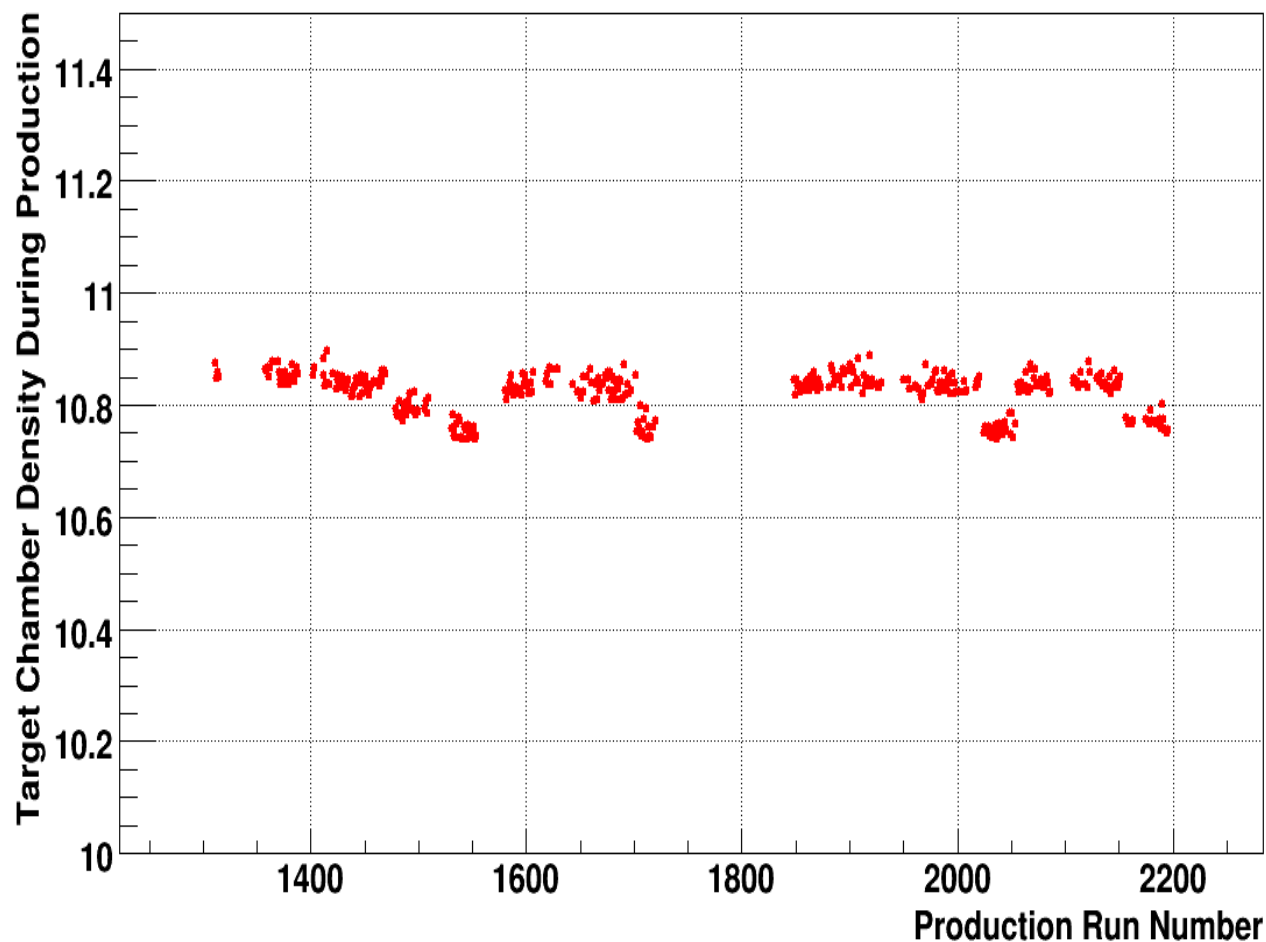


Bigbite

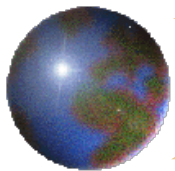


Target Chamber Density

Samantha cell



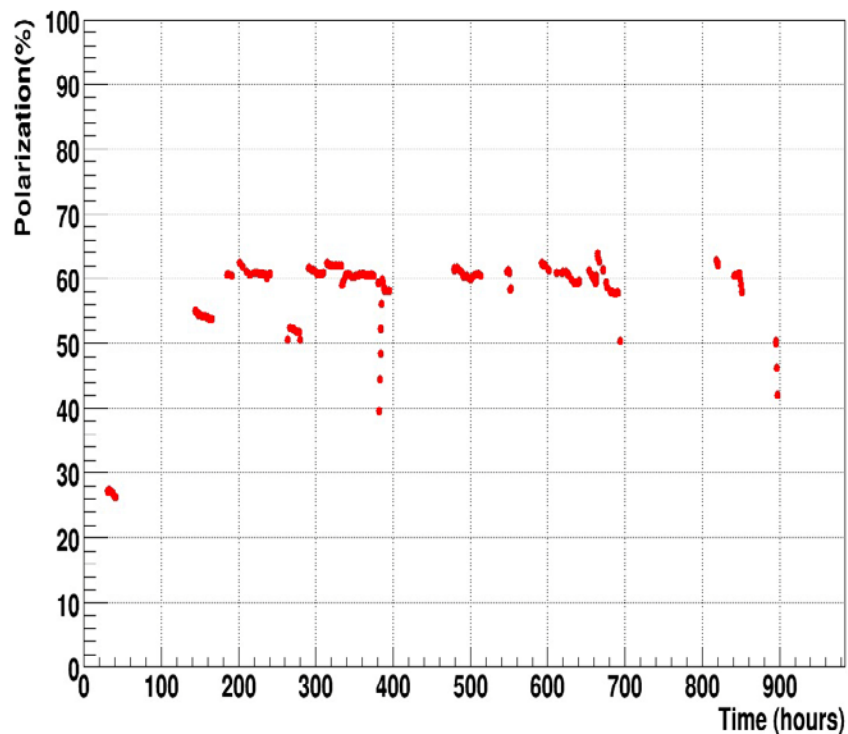
Bigbite



Polarization

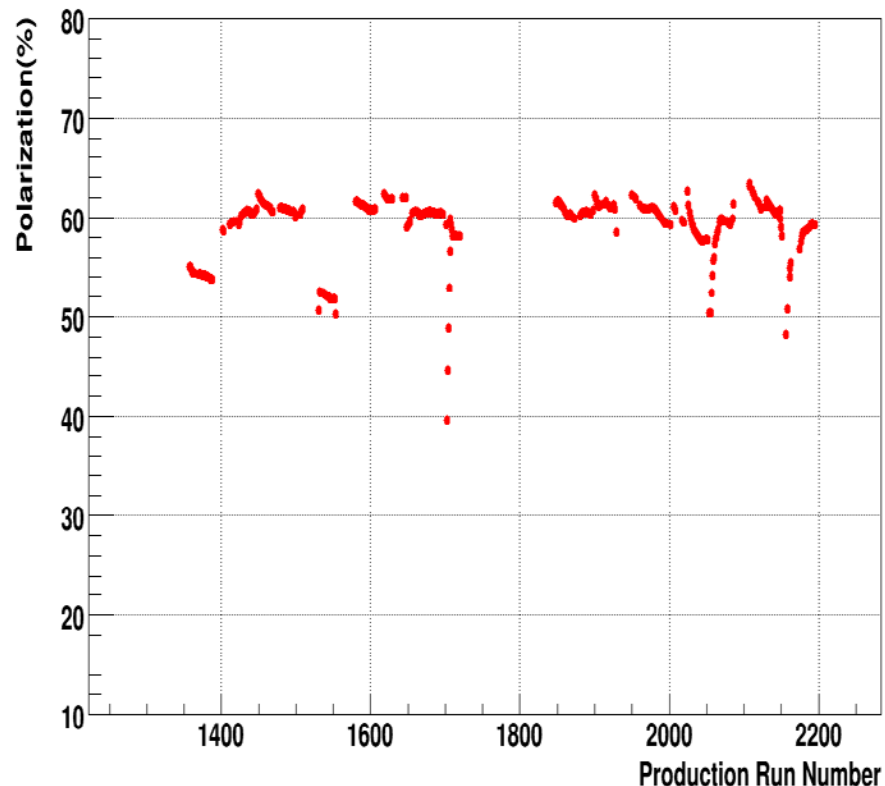
Spread to Run by Run:

Polarization in Samantha pumping chamber

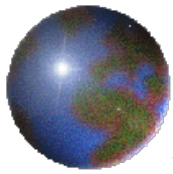


Left HRS

Samantha(Spread to Run by Run)



Bigbite



Summary

- ◆ *Some of LHRS production runs look weird, may be not real production.*
- ◆ *From the RTD and polarization, Bigbite production runs look clean and stable.*
- ◆ *My technical notes about the analysis available at:*
<http://www.jlab.org/~yawei>