

PHENIX Run-15 Status

Douglas Fields

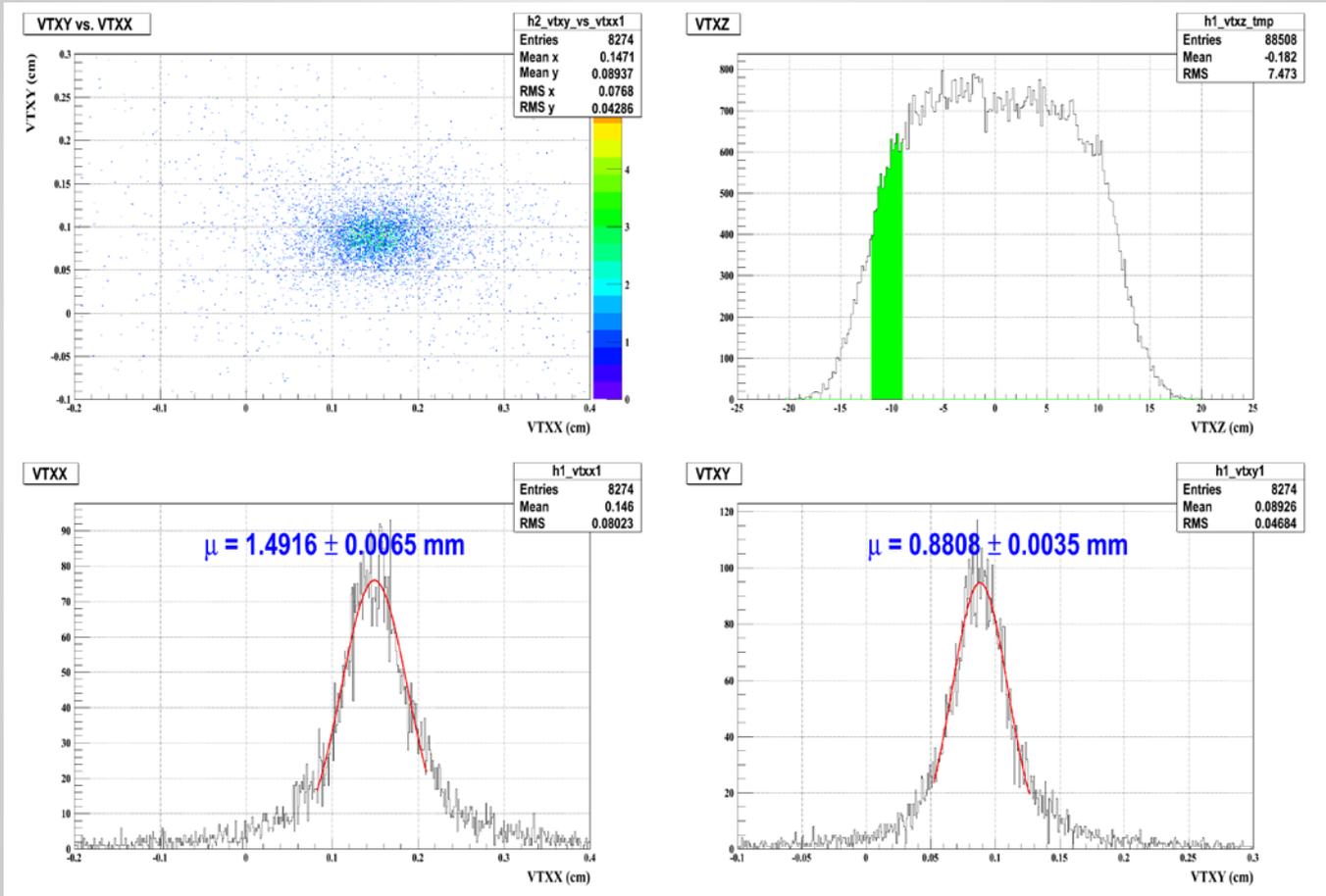
PHENIX Run-15 Run Coordinator

University of New Mexico



Beam center sliced through VTXZ

Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1

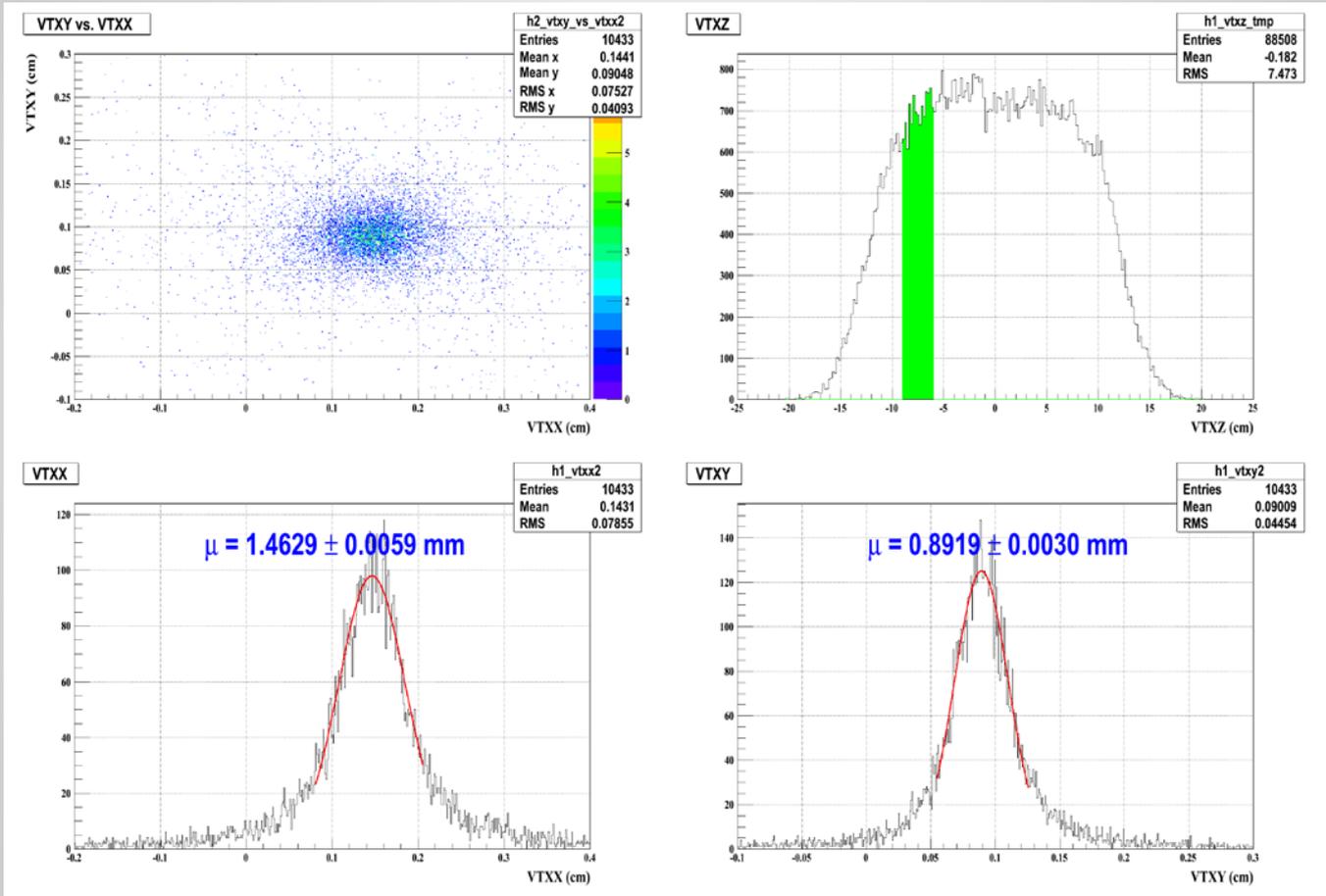


-12 cm < VTXZ < -9 cm

Time Meeting 2/17/2015

Beam center sliced through VTXZ

Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1

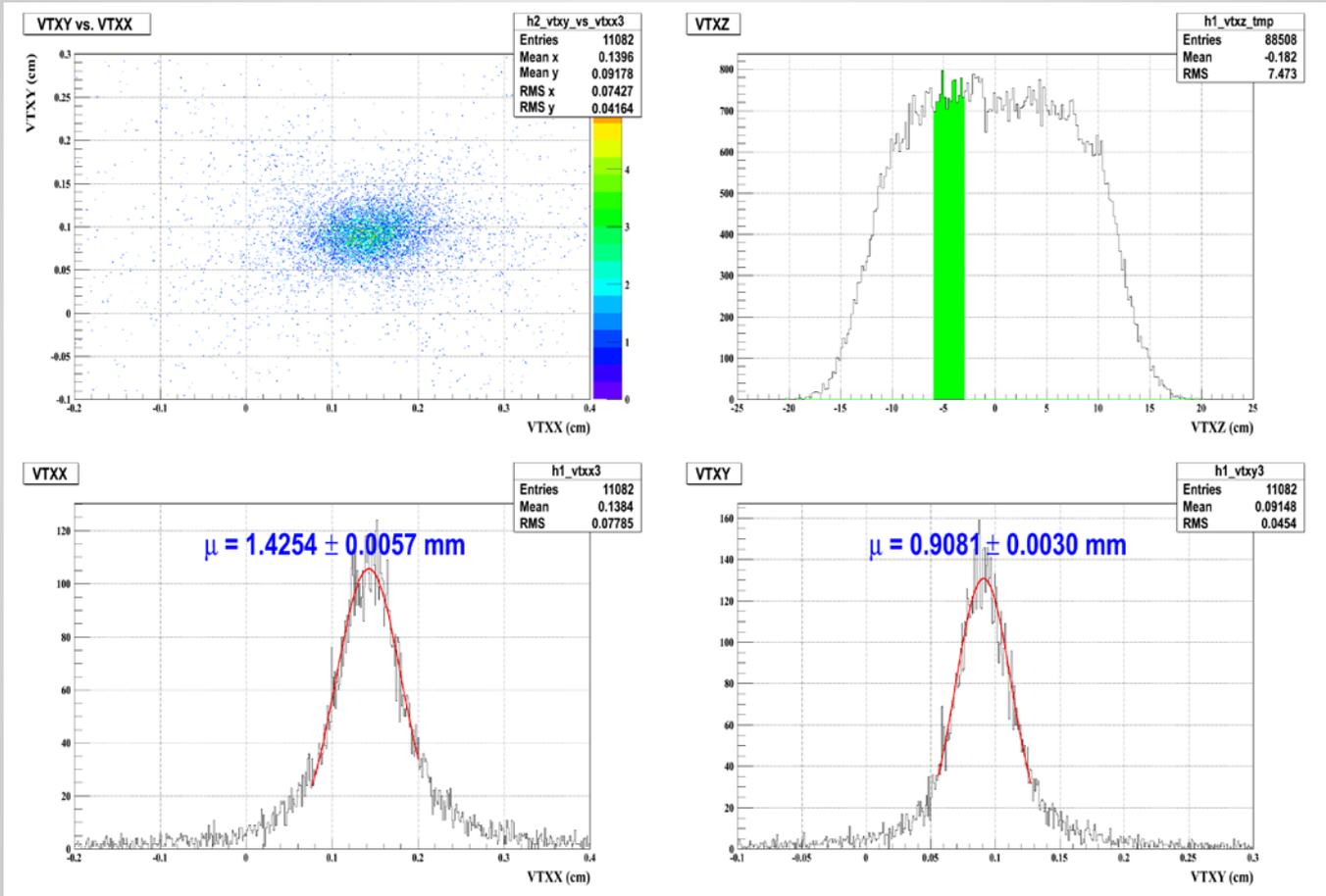


-9 cm < VTXZ < -6 cm

Time Meeting 2/17/2015

Beam center sliced through VTXZ

Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1

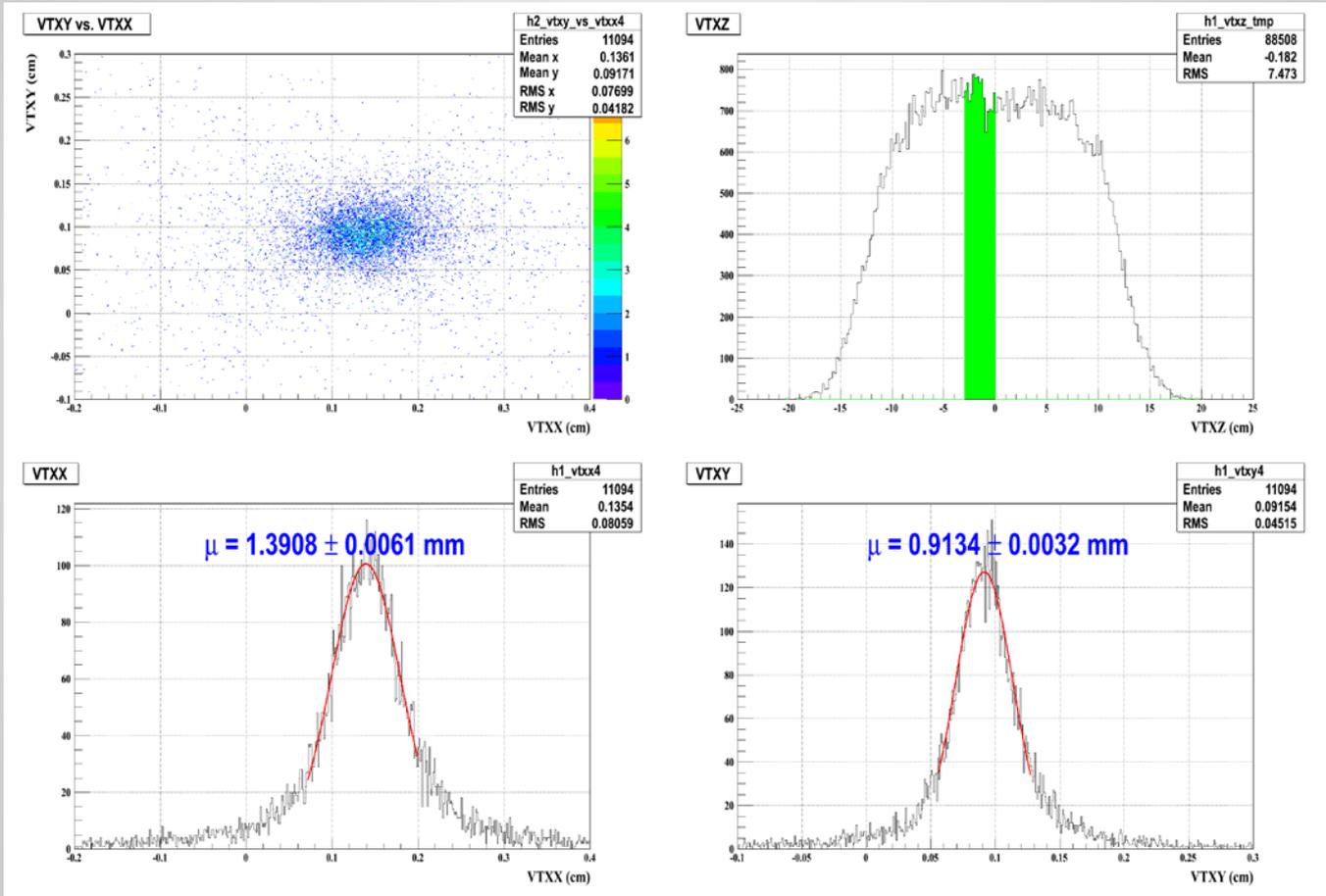


-6 cm < VTXZ < -3 cm

Time Meeting 2/17/2015

Beam center sliced through VTXZ

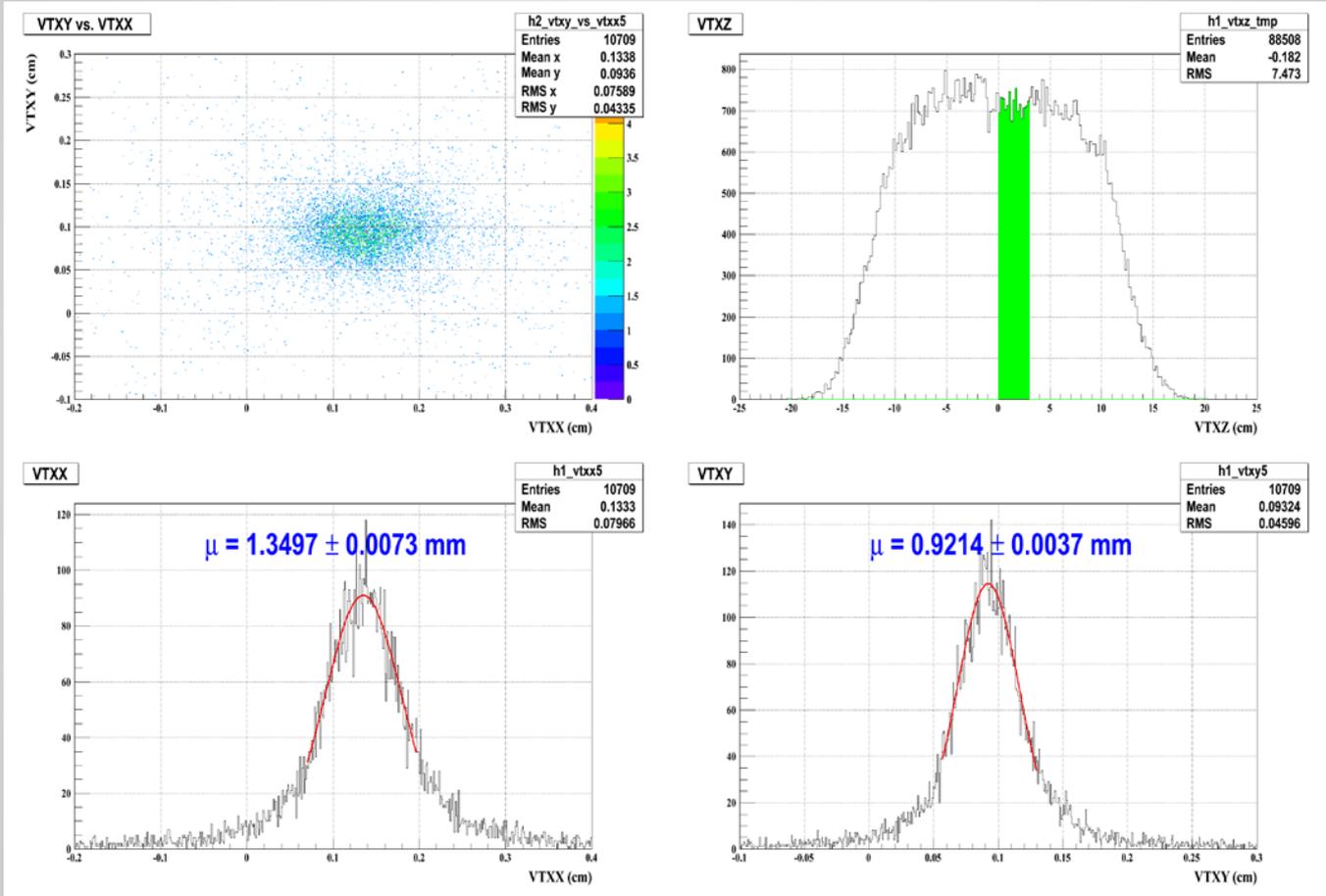
Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1



-3 cm < VTXZ < 0 cm
Time Meeting 2/17/2015

Beam center sliced through VTXZ

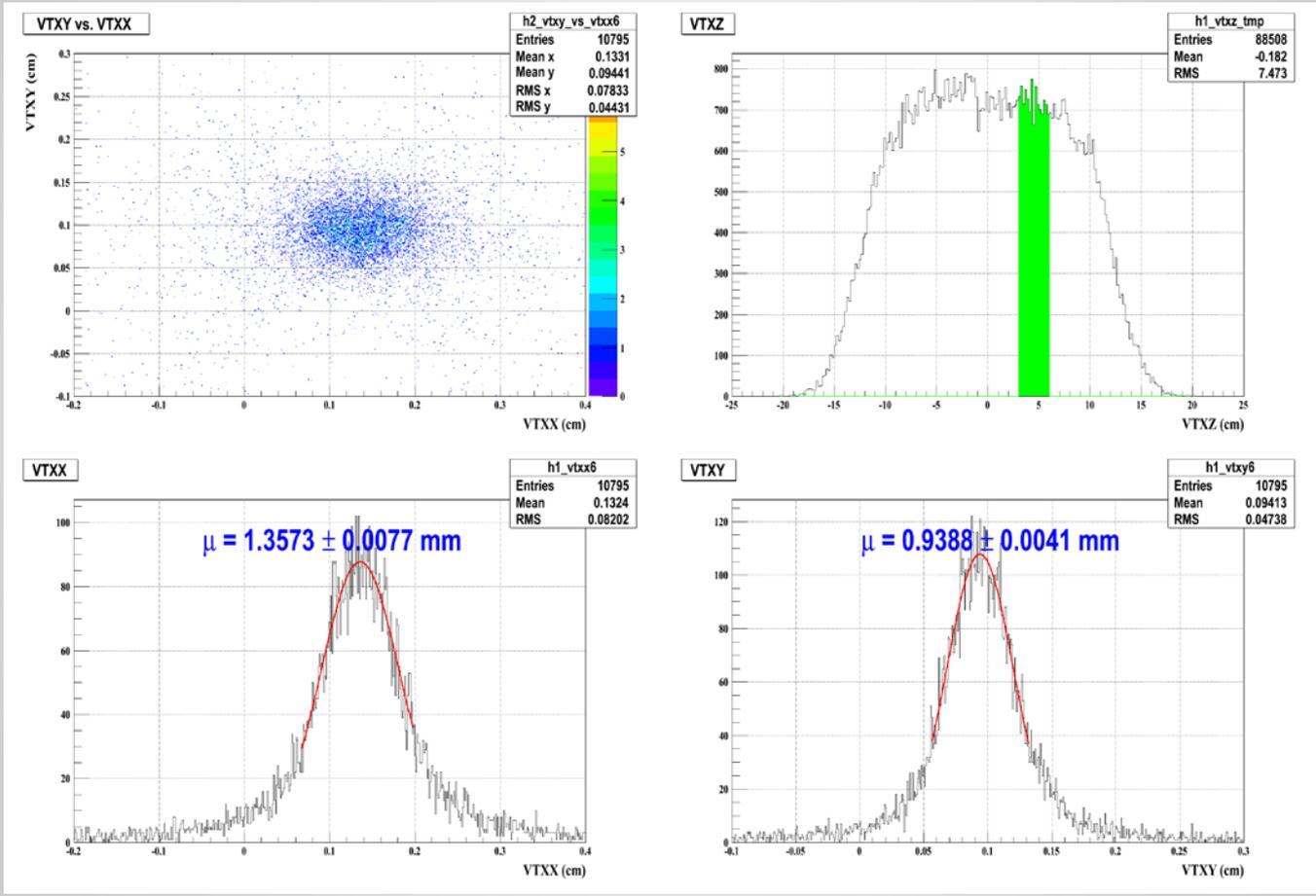
Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1



0 cm < VTXZ < 3 cm
Time Meeting 2/17/2015

Beam center sliced through VTXZ

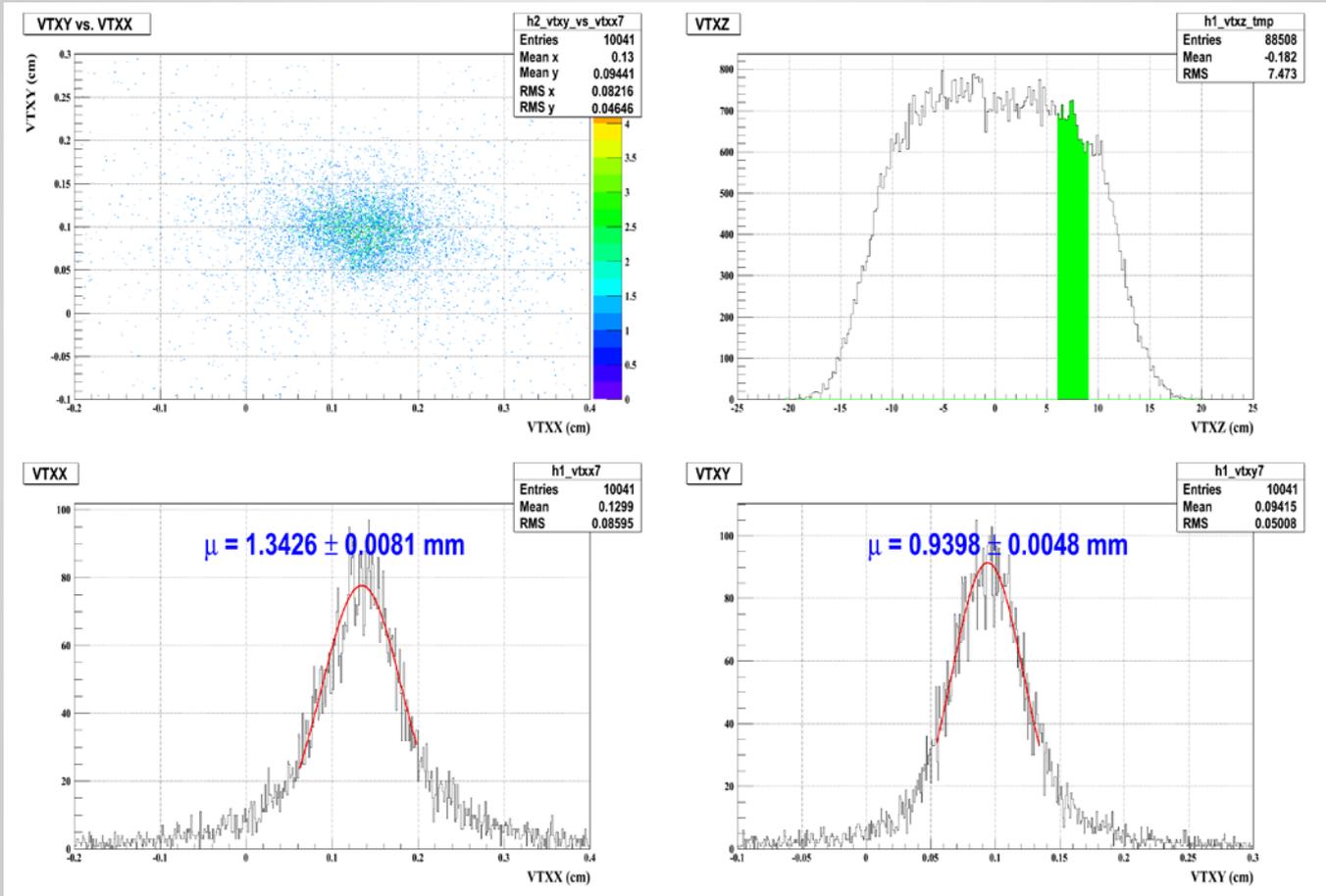
Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1



3 cm < VTXZ < 6 cm
Time Meeting 2/17/2015

Beam center sliced through VTXZ

Trigger: isL1==1 || isnarrow==1 || isnovtx == 1 || isnovtxANDzdc == 1



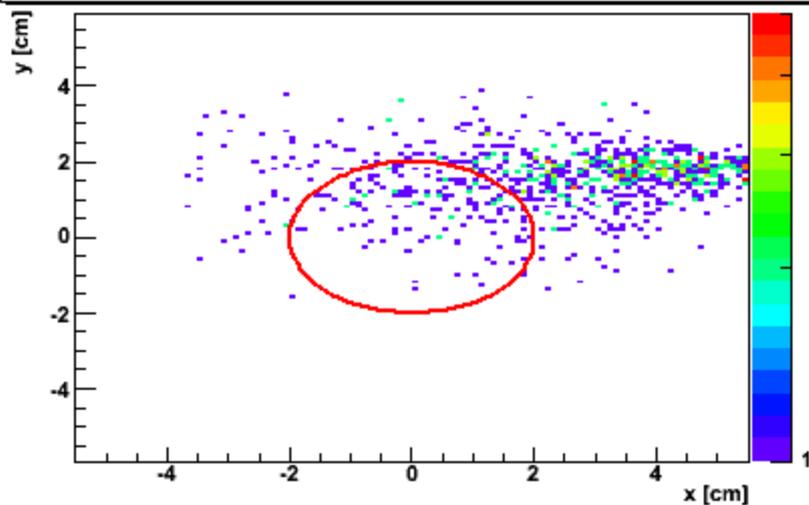
6 cm < VTXZ < 9 cm
Time Meeting 2/17/2015

ZDC Issues

- SMD north issues – swapped cables.
 - Hopefully being fixed as we speak

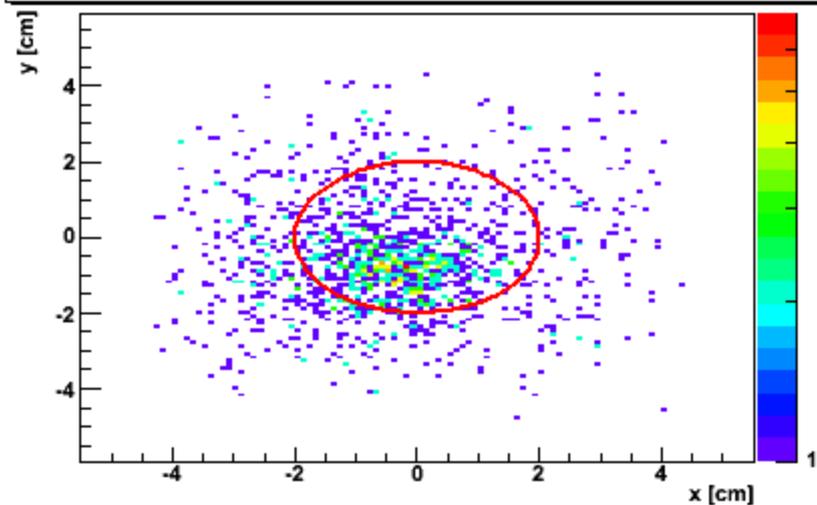
ZDC vertex position = -26.96 cm

SMD hit position north



x = -0.5423 cm, y = -0.7426 cm

SMD hit position south



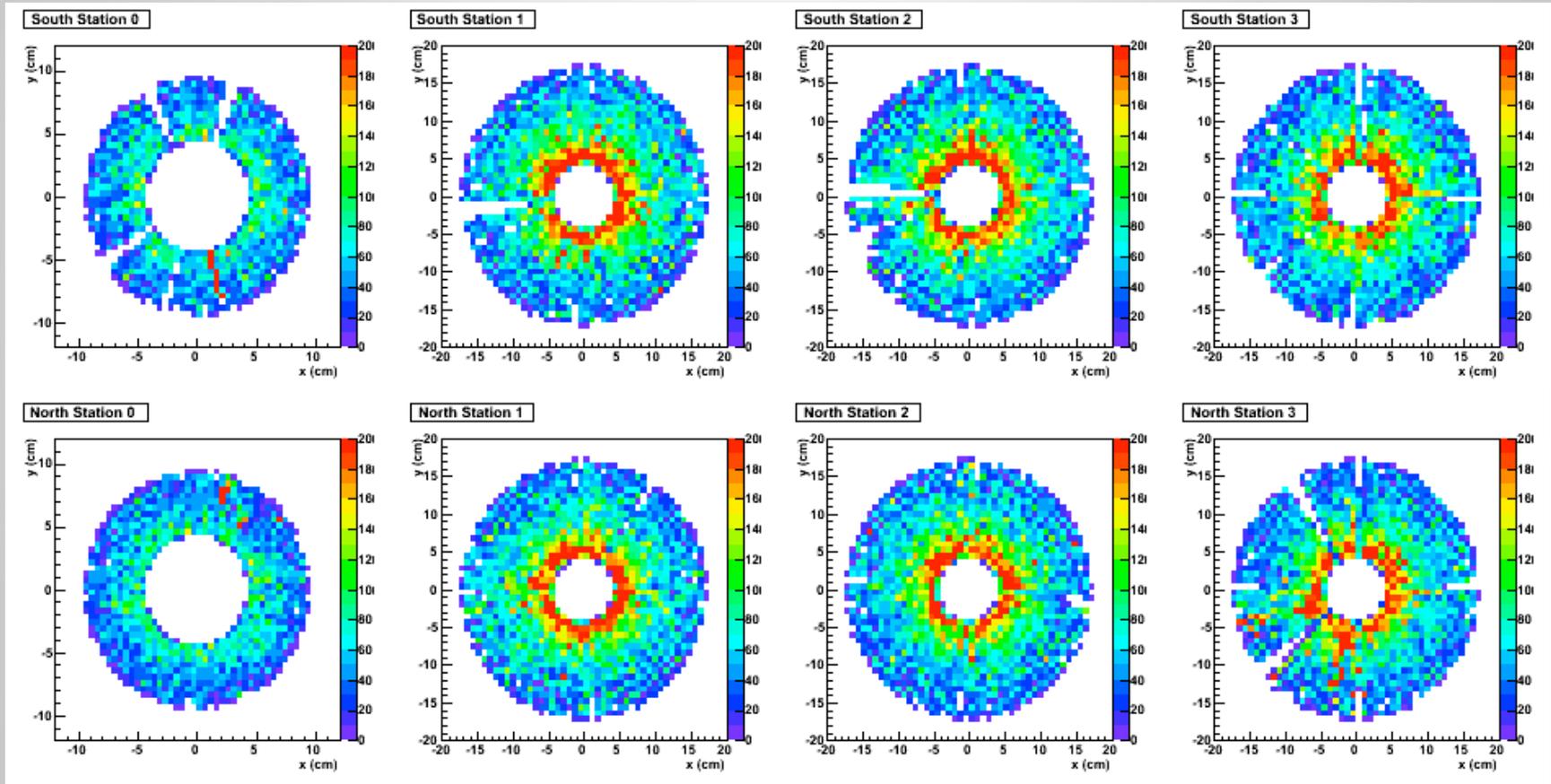
x = 2.296 cm, y = 1.737 cm



FVTX Status

Run 422020 – Radiographs from hits

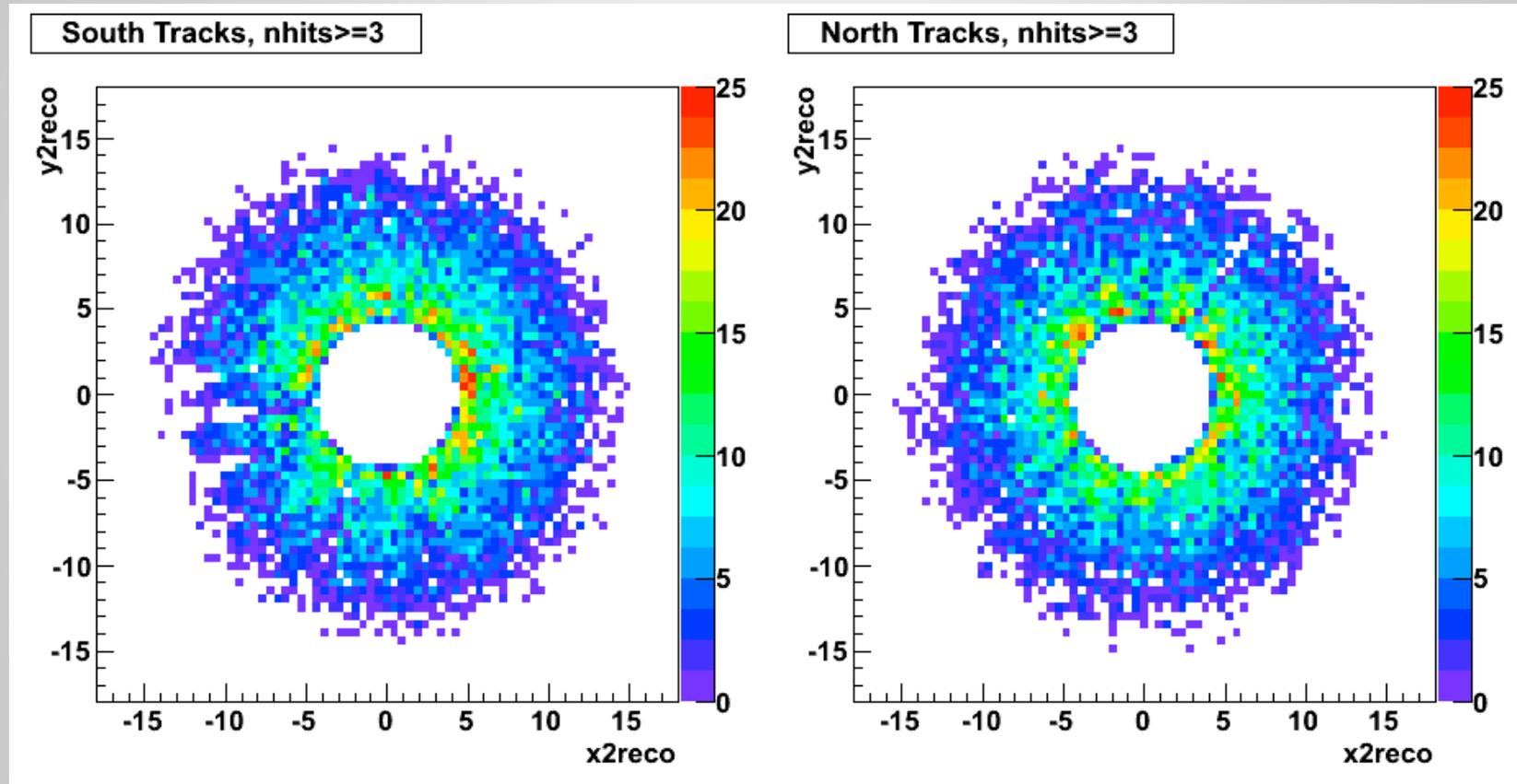
- Mostly alive except some areas in SE.
- Couple hot-ish spots in NE3, NE5 station3, which we have seen each year.



FVTX Status

Run 422020

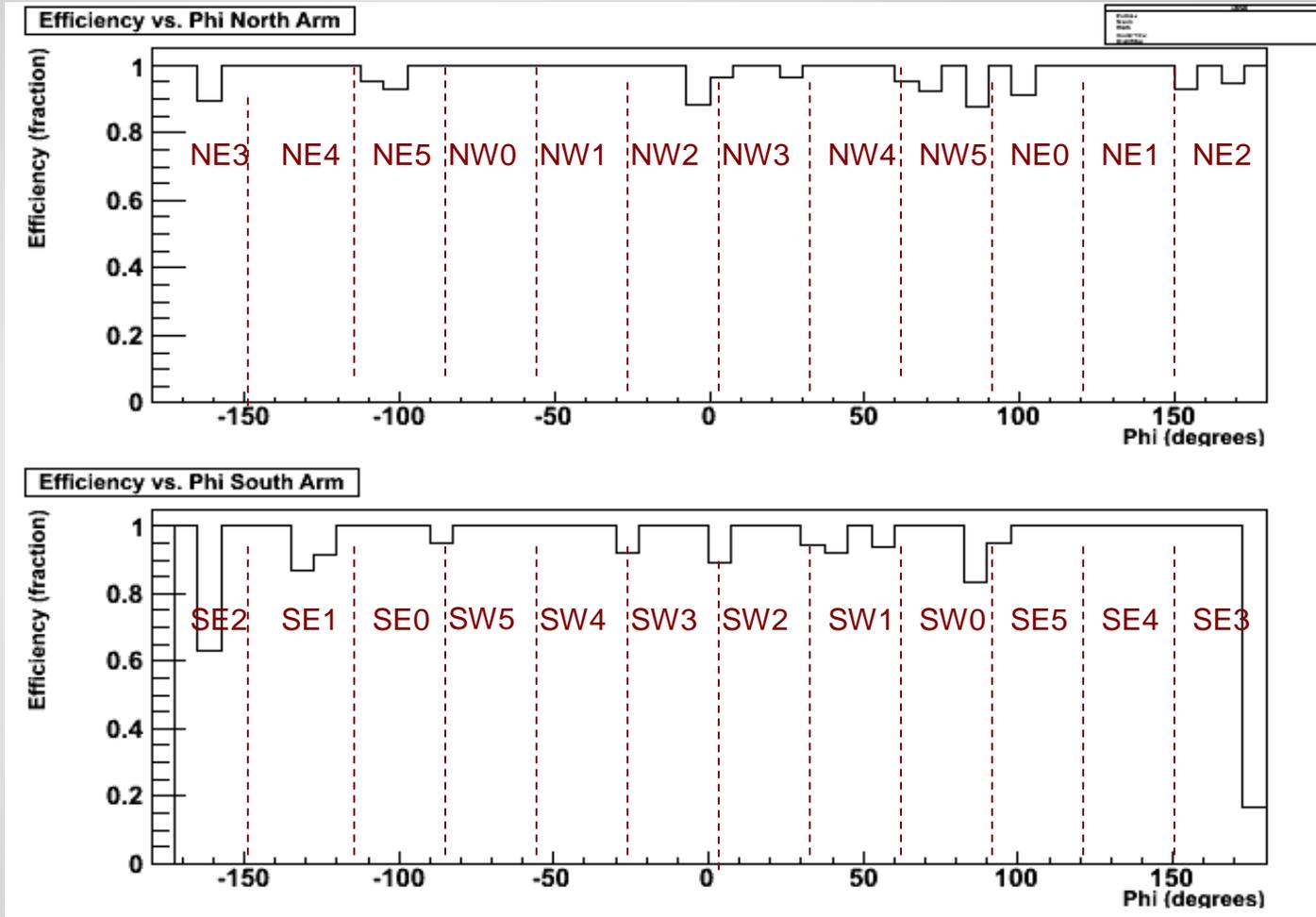
South (left) and North (right) track radiographs. Good coverage everywhere.



FVTX Status

Run 422020

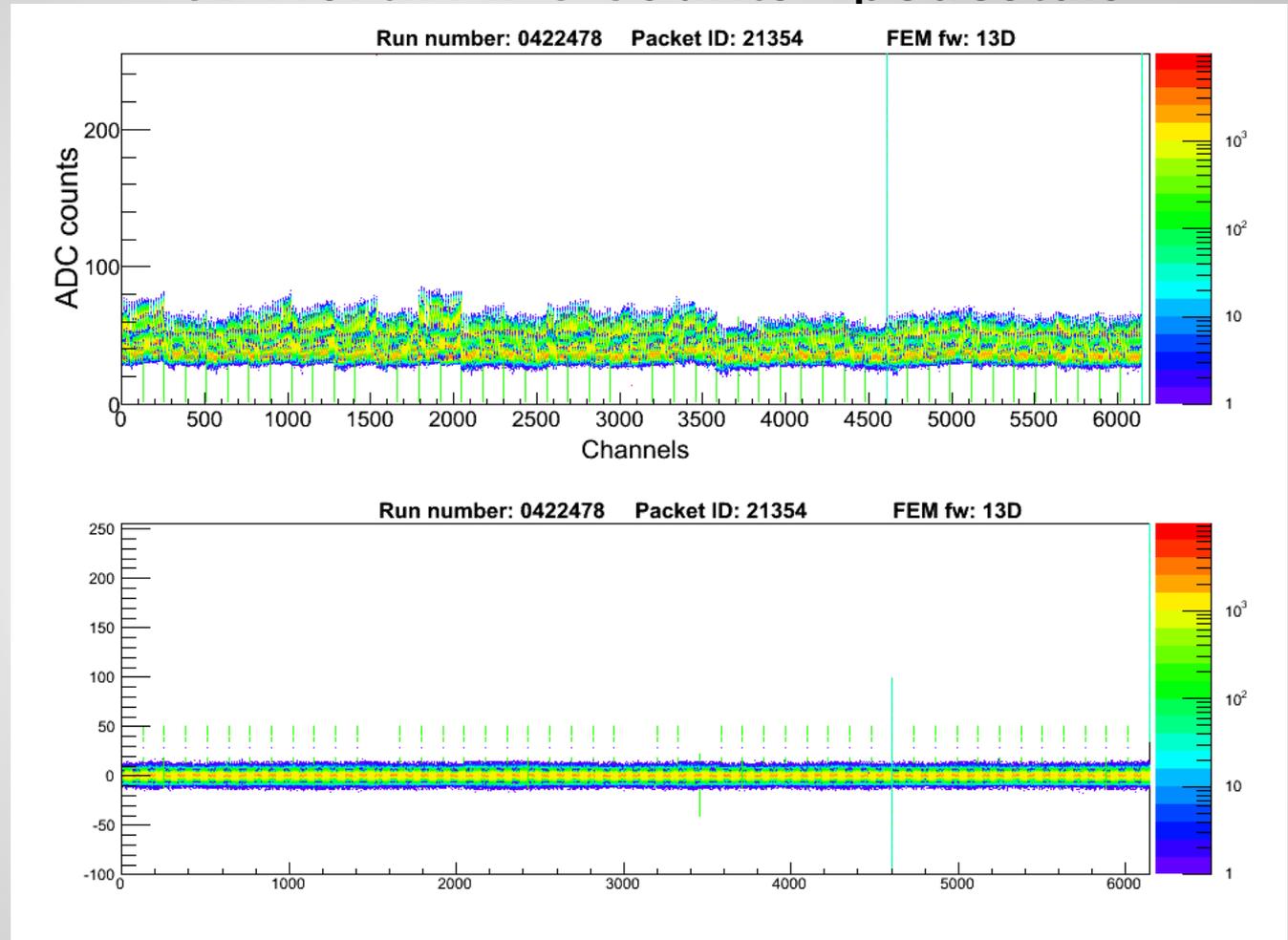
- Efficiency at 3rd plane, extracted from plane 1-2-4 tracks
- Primary missing area is SE2 where there are missing latches that tend to get missed



MPC-EX

CB North ADC Counts - pedestals

- Can readout pedestal from both North and South
- No Beam Clock issues in North or South
- Both have Packet Length issues
- Parity issues in South CB, but not North
- Still need to solve the 2 word loss issue
- Work is going on in parallel, through the entire chain.



Summary

- Taking physics data for HF in Muon and Central arms.
- MPC-EX is beginning to read real data into PHENIX DAQ, and the entire chain is being tested.