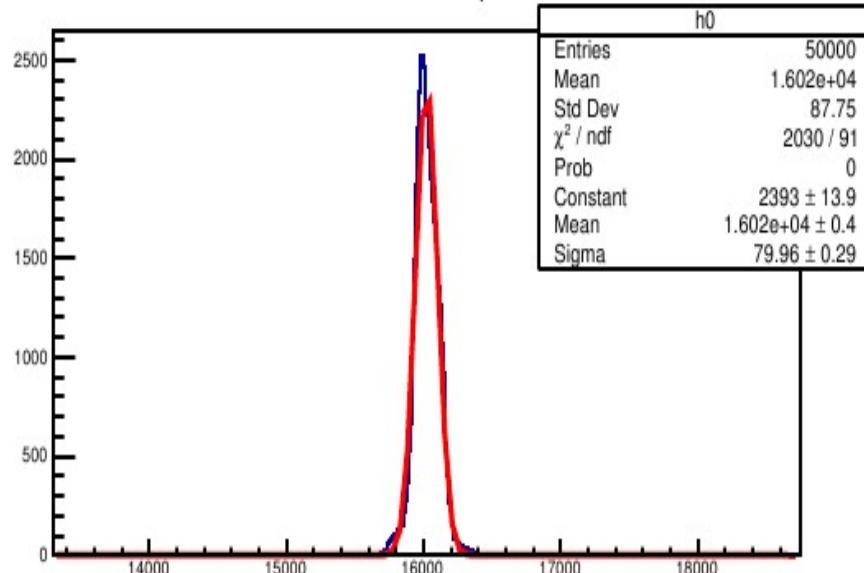


# BPM calibration

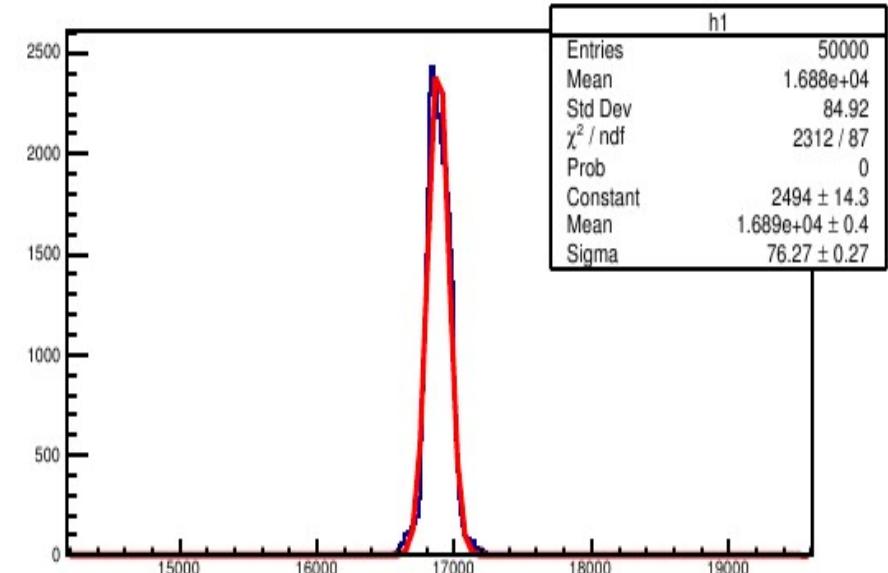
- Pedestals
  - Left arm 758
    - Fadcs
    - Fbus adcs
  - Right arm 90558
    - Fadcs
    - Fbus adcs
- Harp scans for a bulleye's scan
  - [https://wiki.jlab.org/tegwiki/index.php/BPM\\_Calibration](https://wiki.jlab.org/tegwiki/index.php/BPM_Calibration)

# - Left arm 758 fadcs

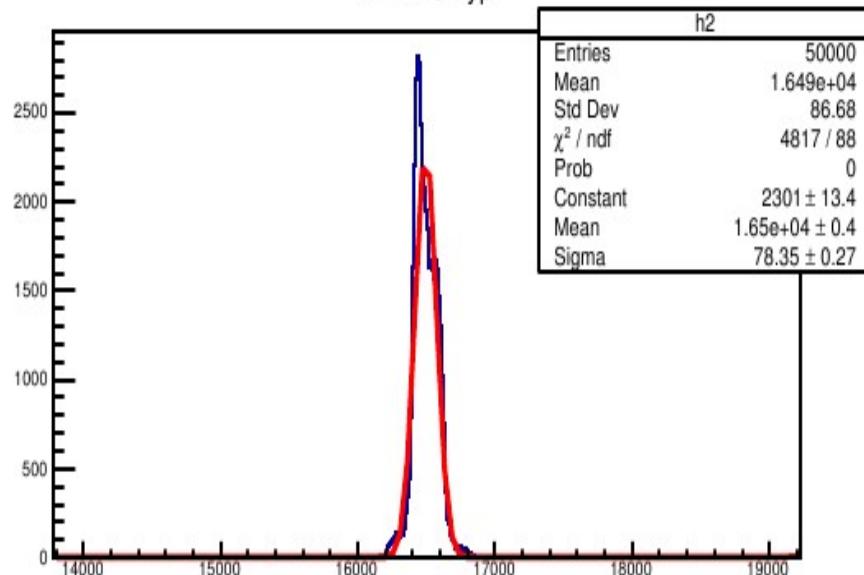
BPMA 1 - xp



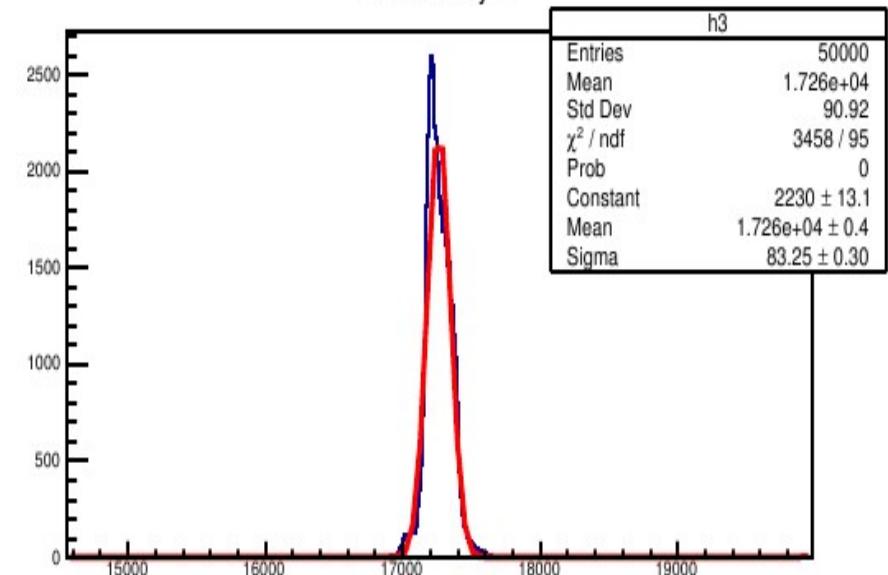
BPMA 2 - xm



BPMA 3 - yp

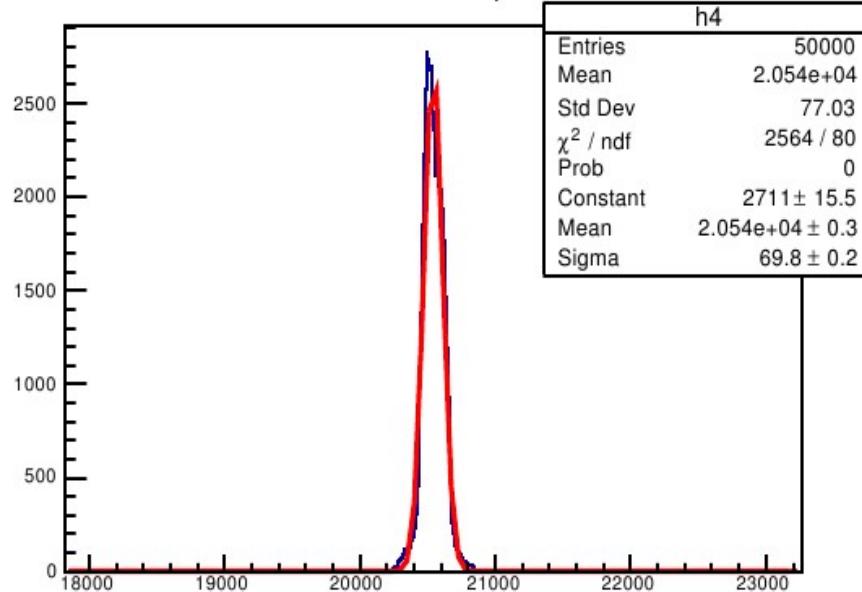


BPMA 4 - ym

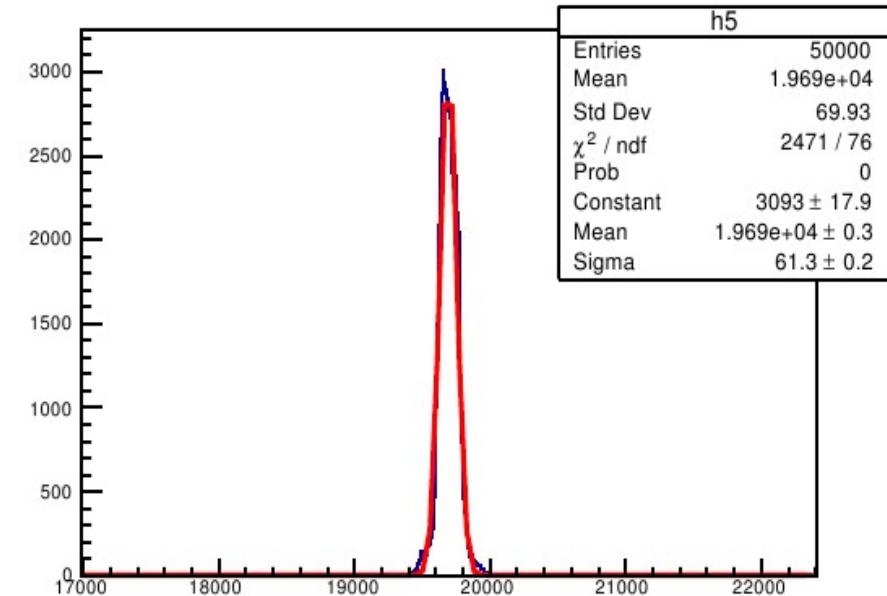


# - Left arm 758 fadcs

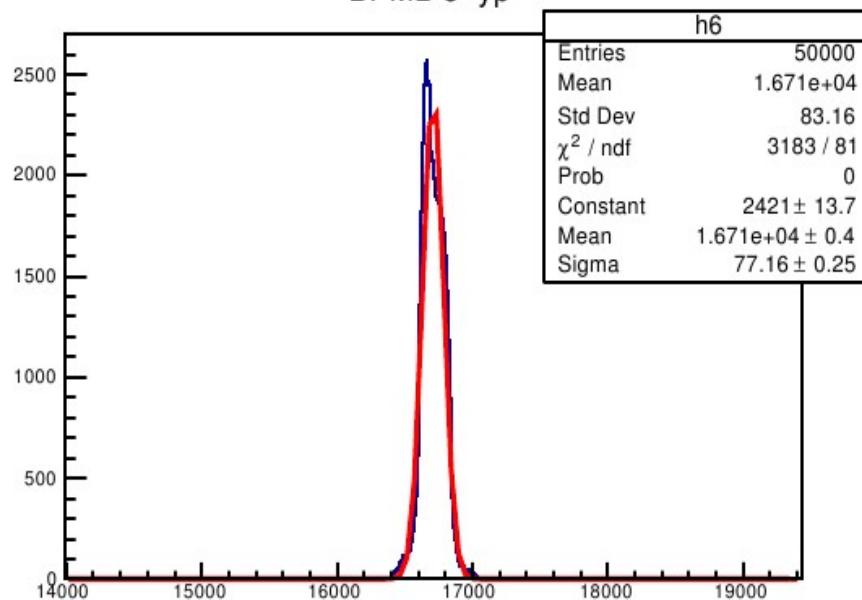
BPMB 1- xp



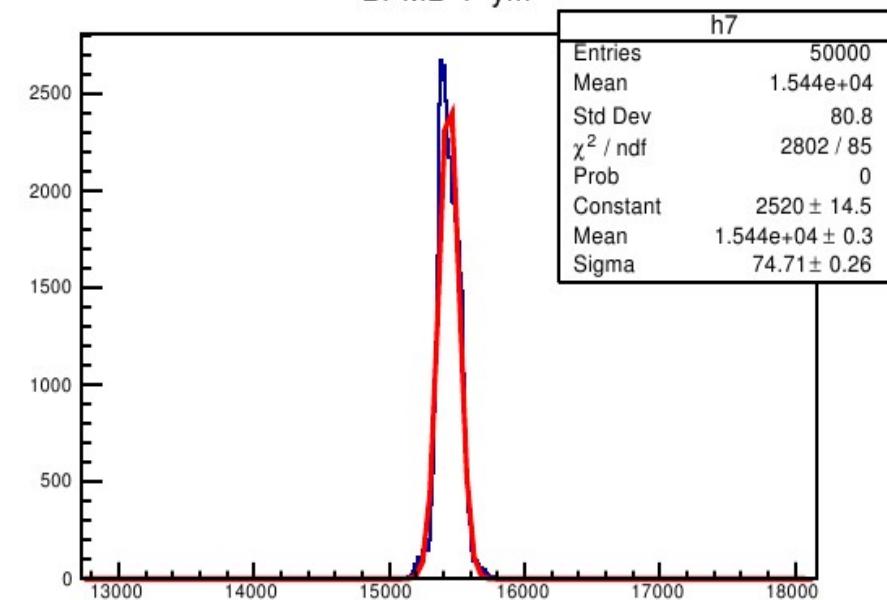
BPMB 2- xm



BPMB 3- yp

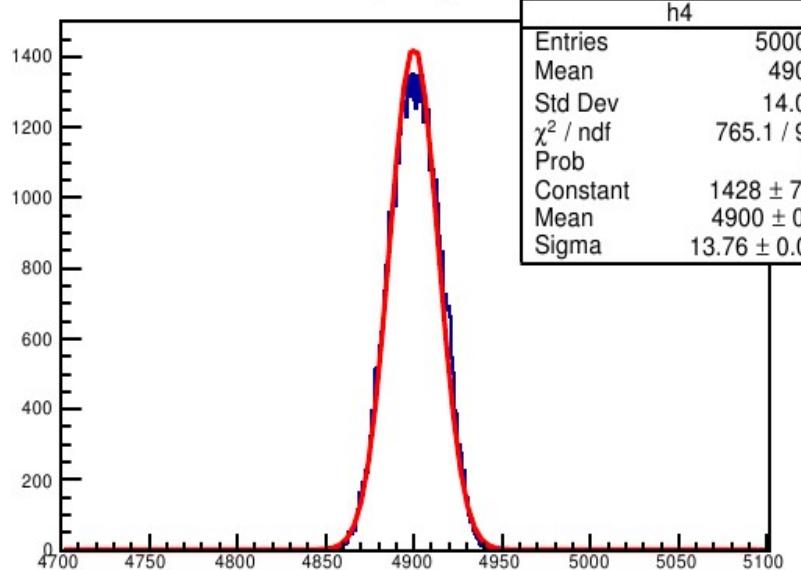


BPMB 4- ym

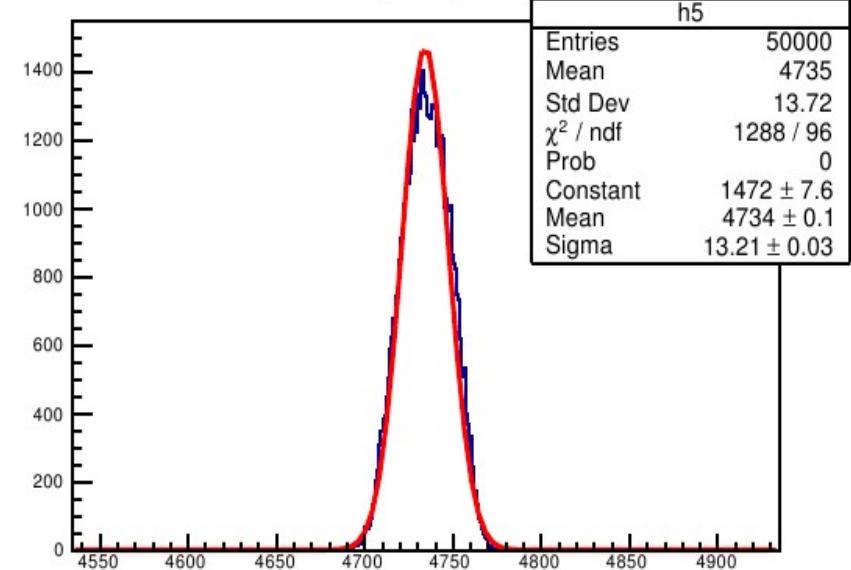


# - Left arm 758

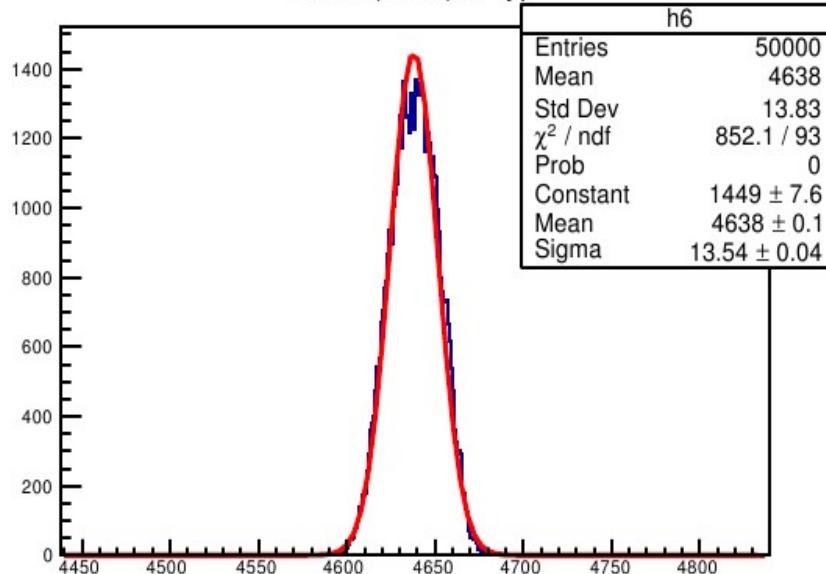
BPMB(Fbus) 1 - xp



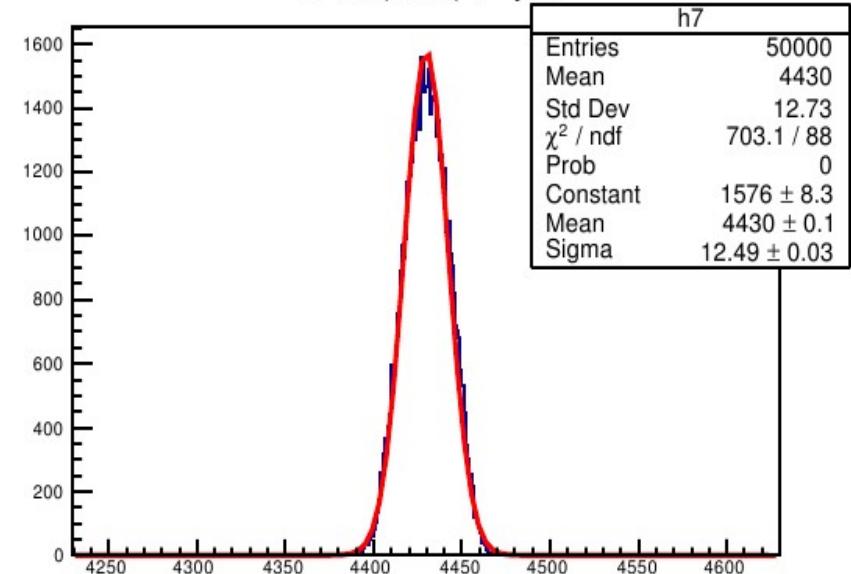
BPMB(Fbus) 2 - xm



BPMB(Fbus) 3 - yp

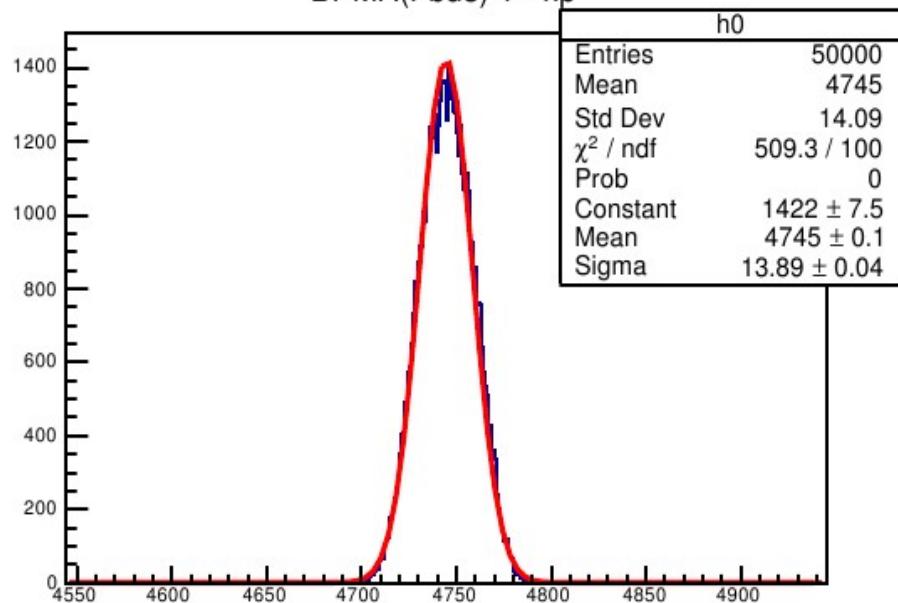


BPMB(Fbus) 4 - ym

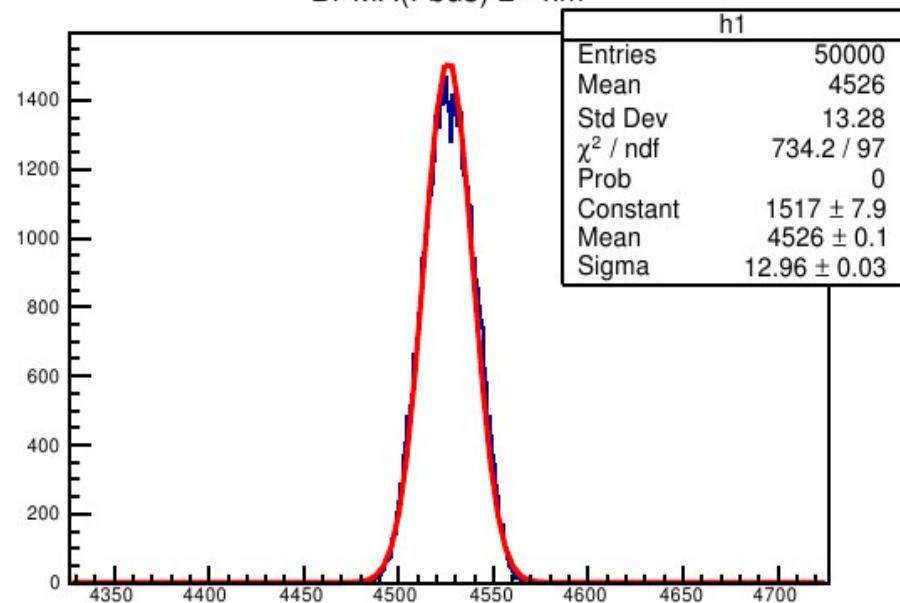


# - Left arm 758

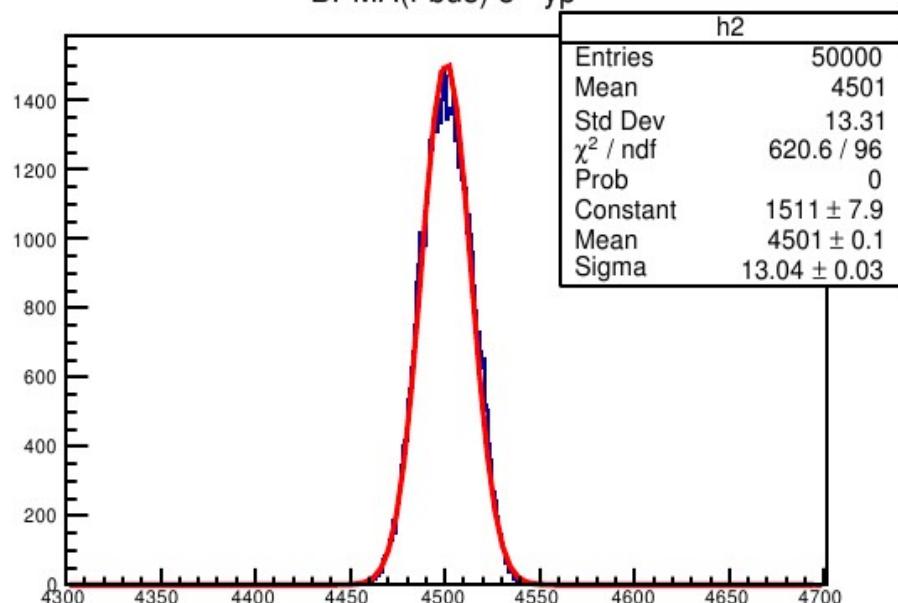
BPMA(Fbus) 1 - xp



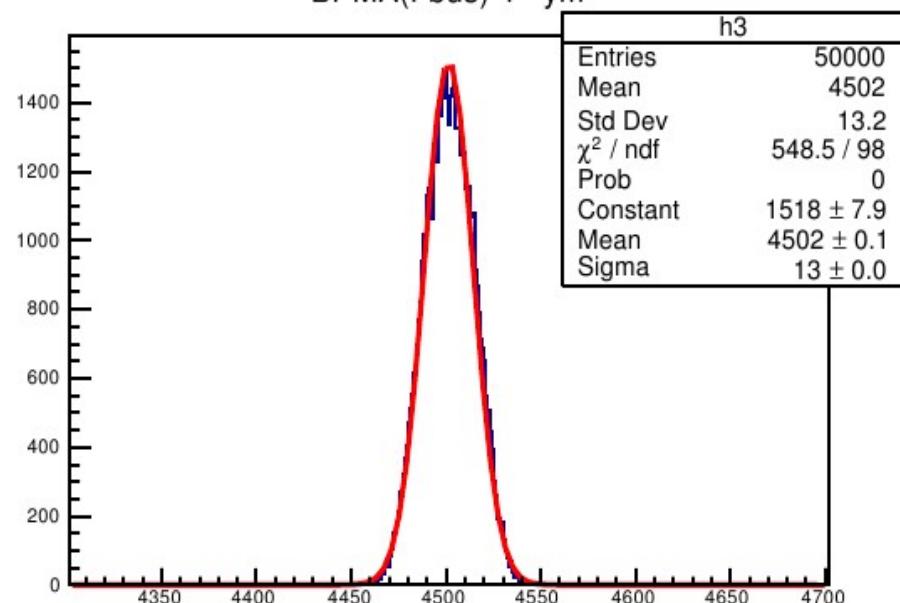
BPMA(Fbus) 2 - xm



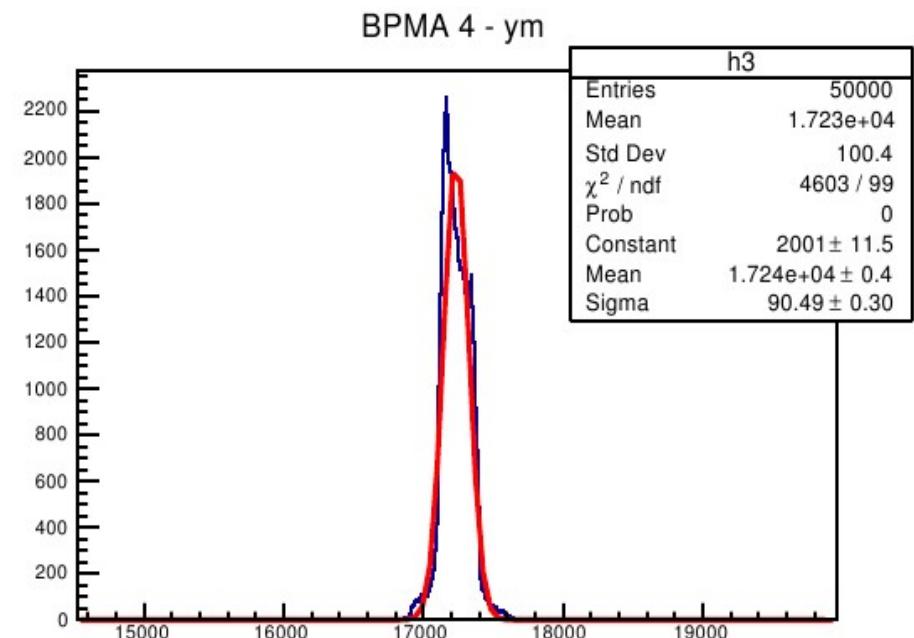
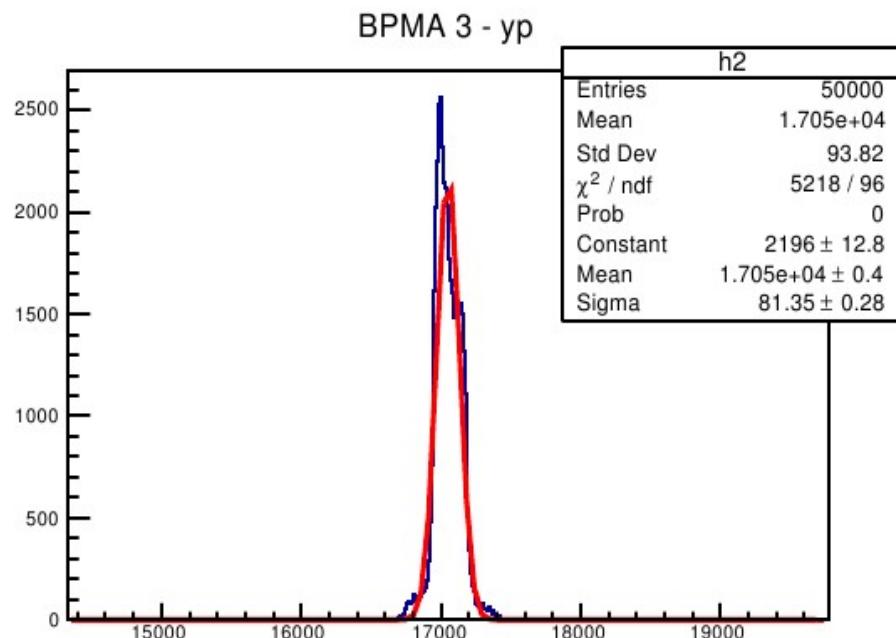
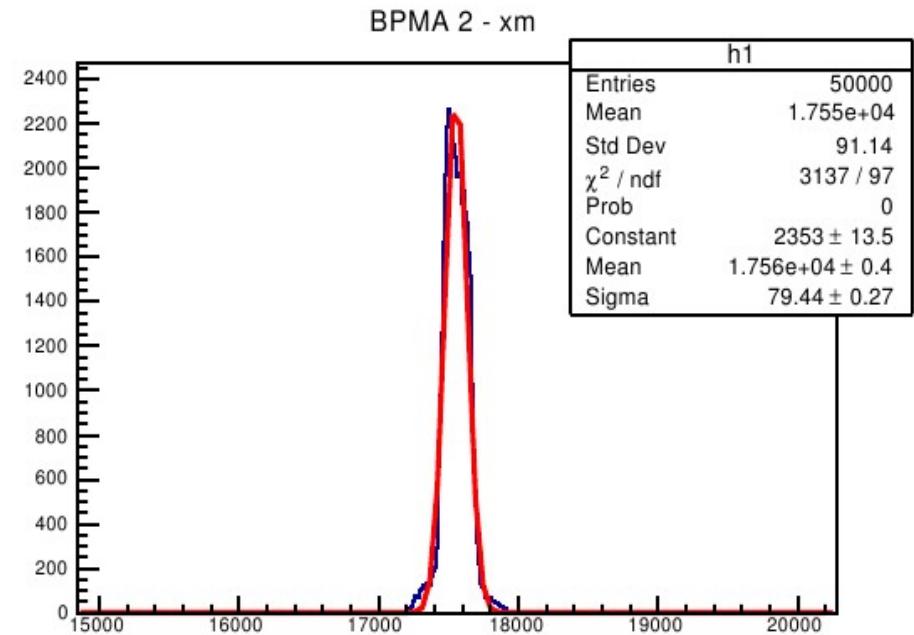
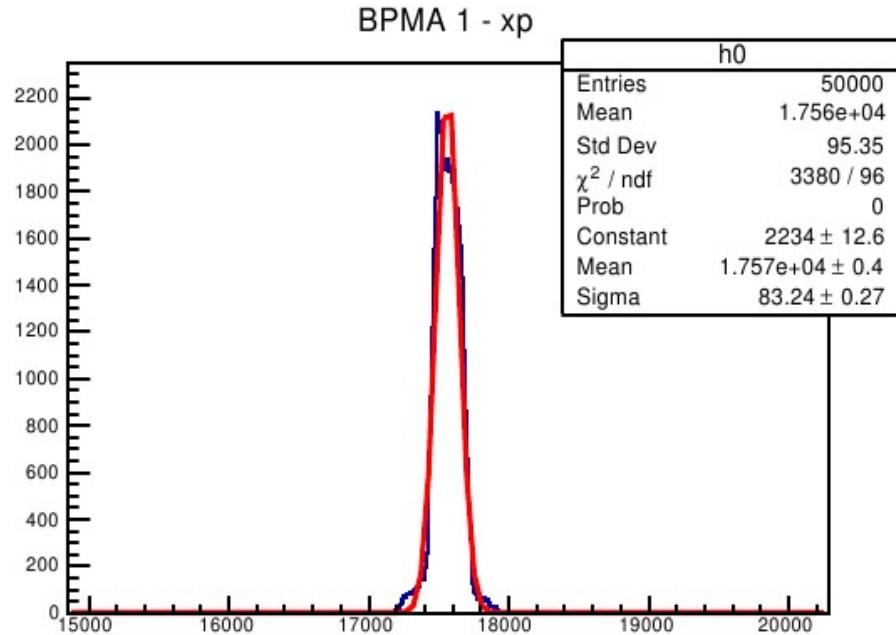
BPMA(Fbus) 3 - yp



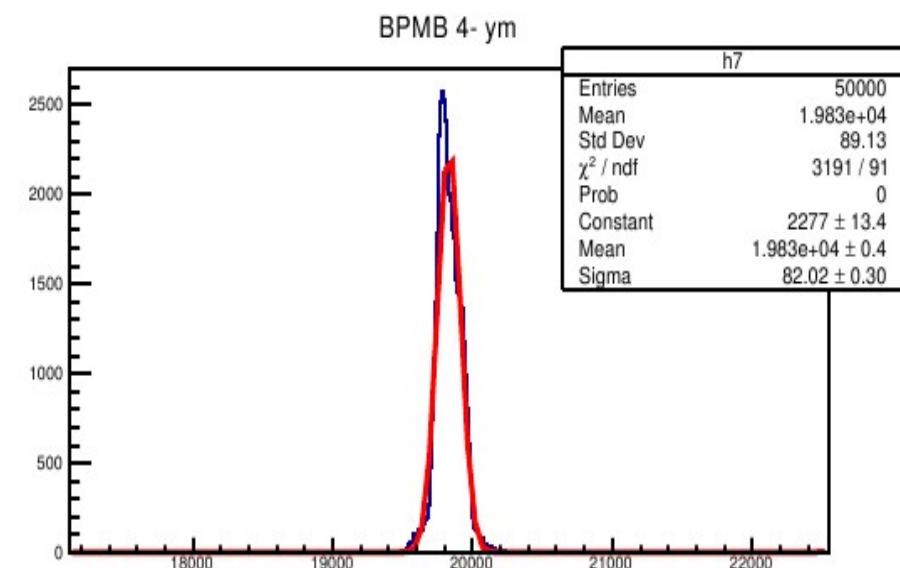
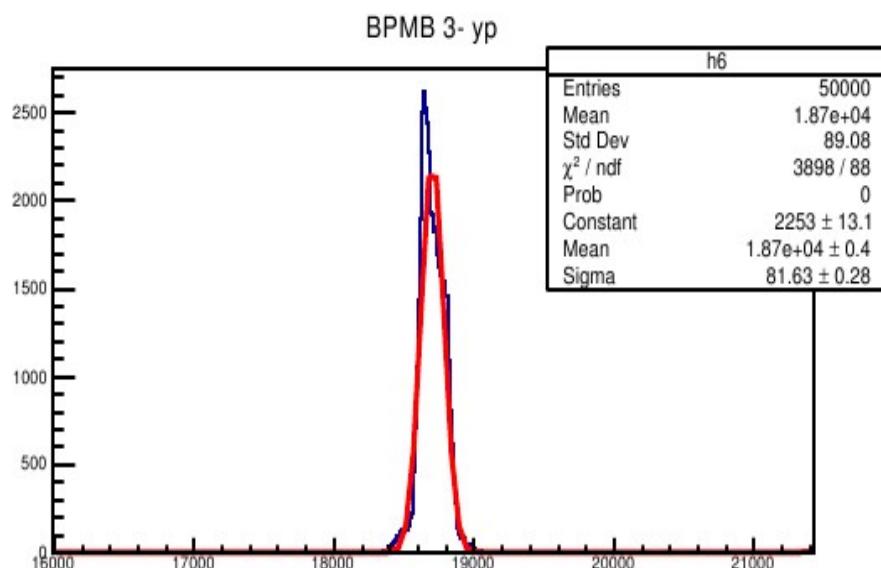
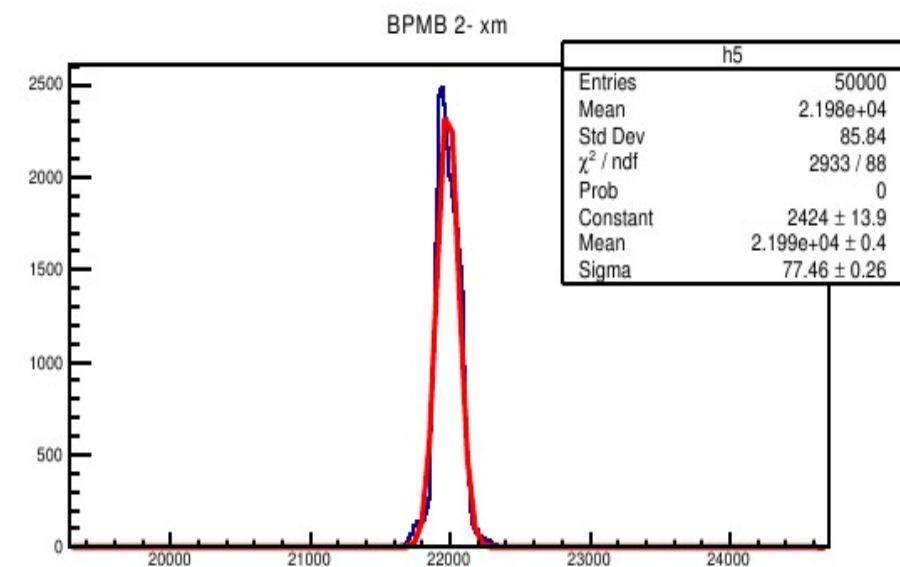
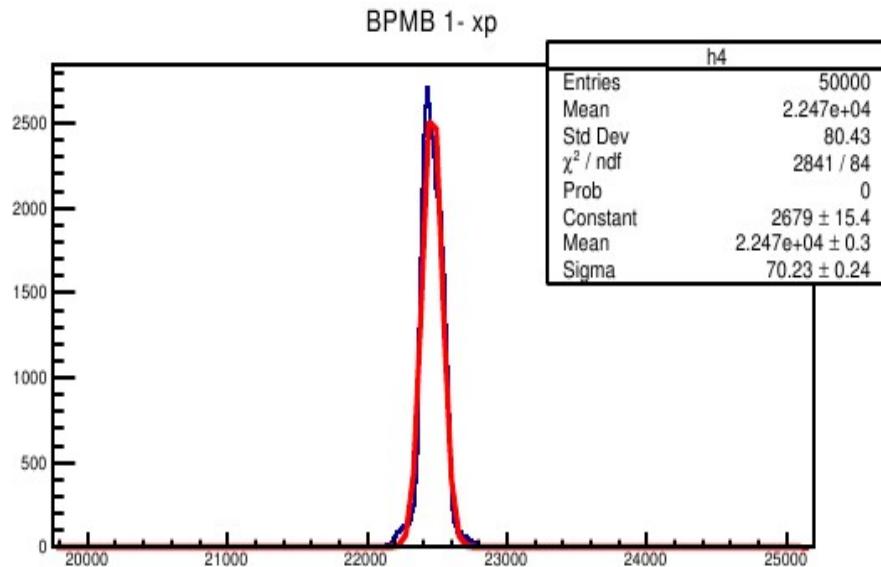
BPMA(Fbus) 4 - ym



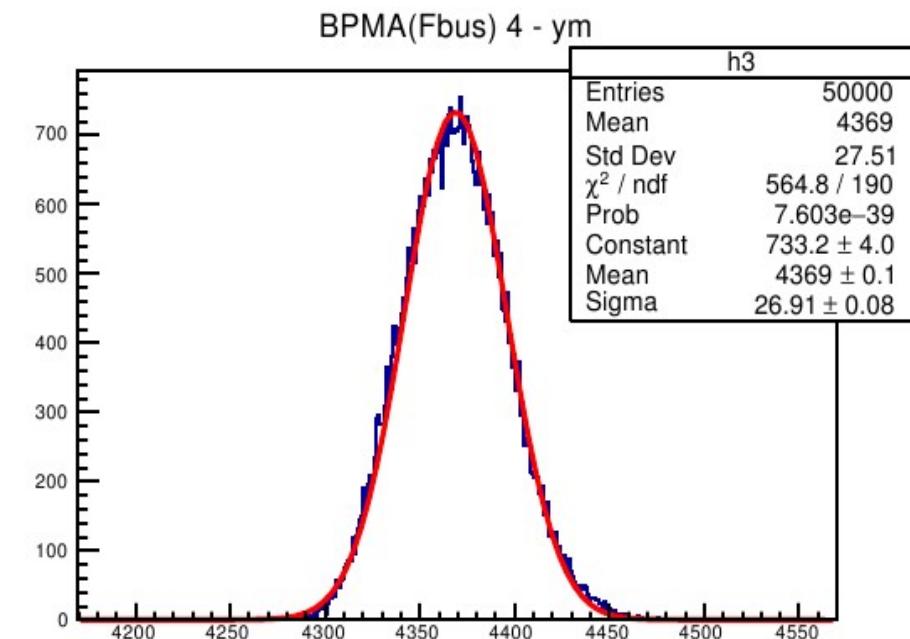
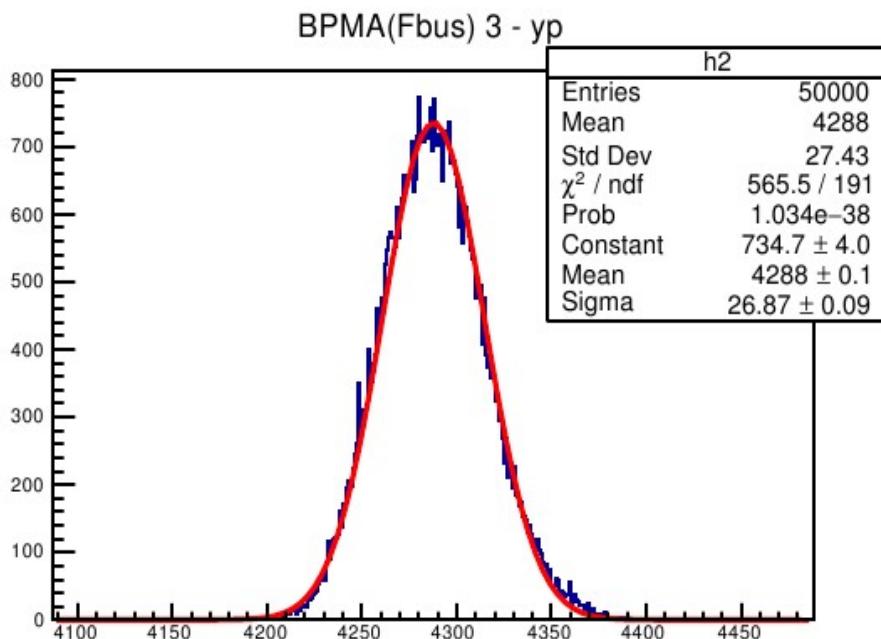
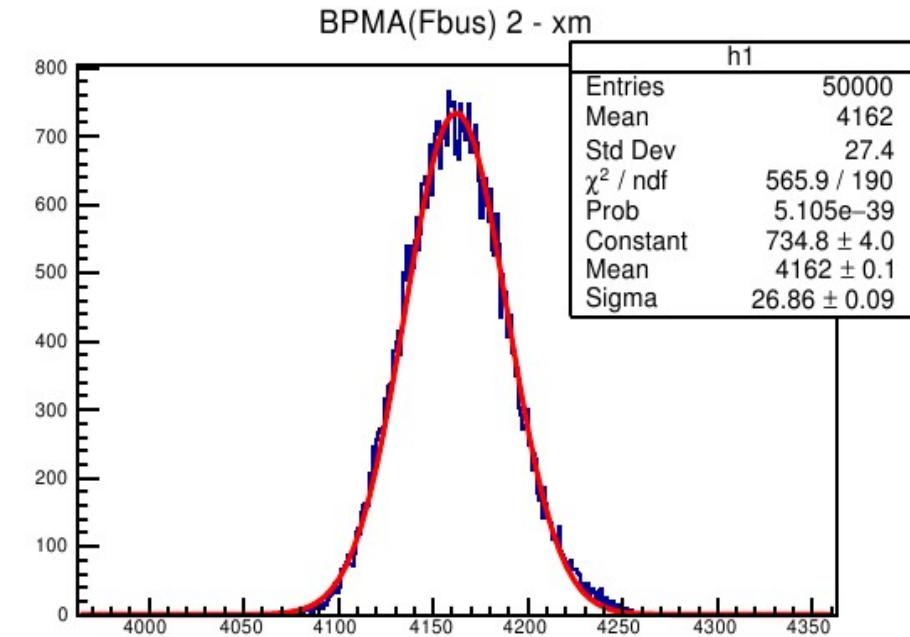
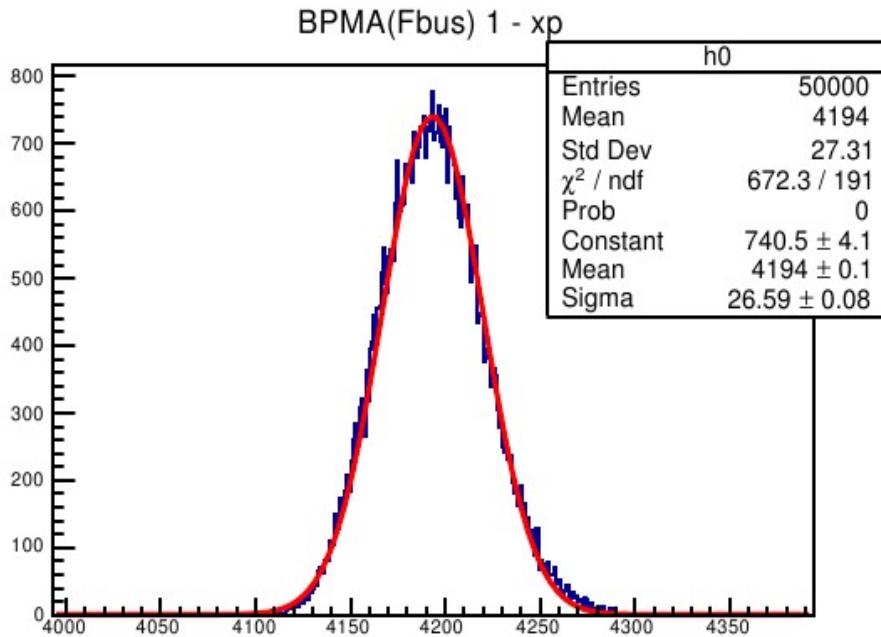
# - Right arm 90558



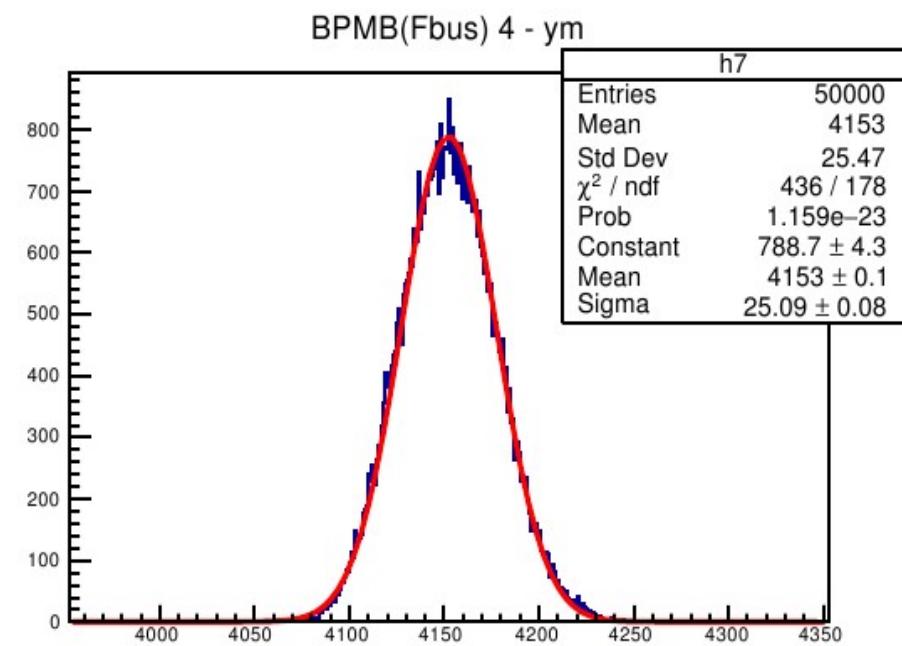
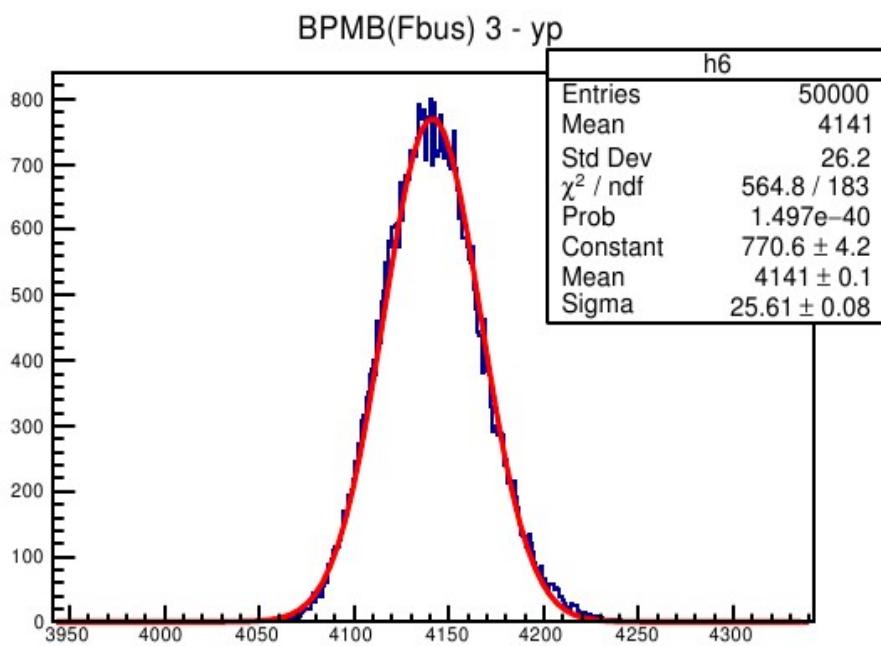
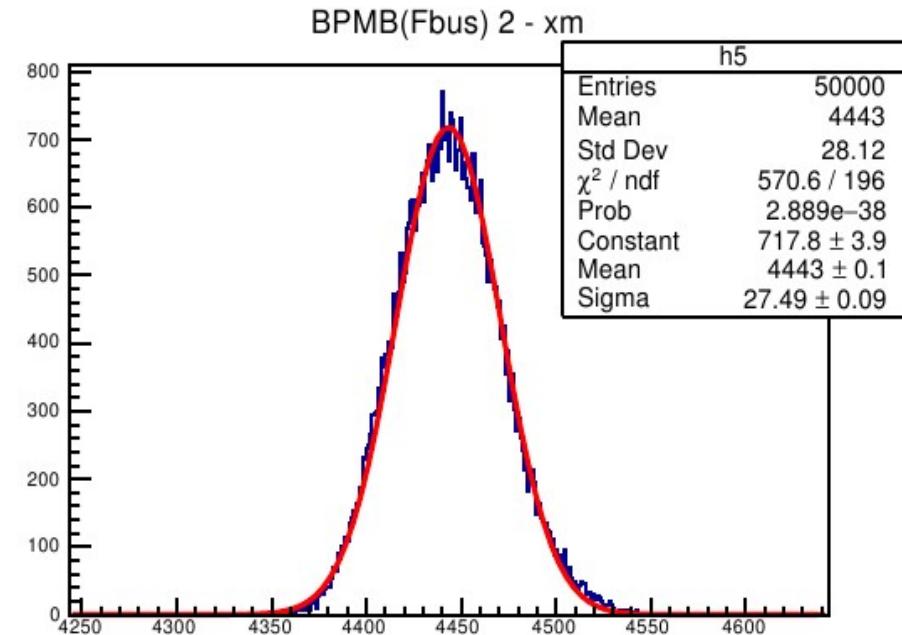
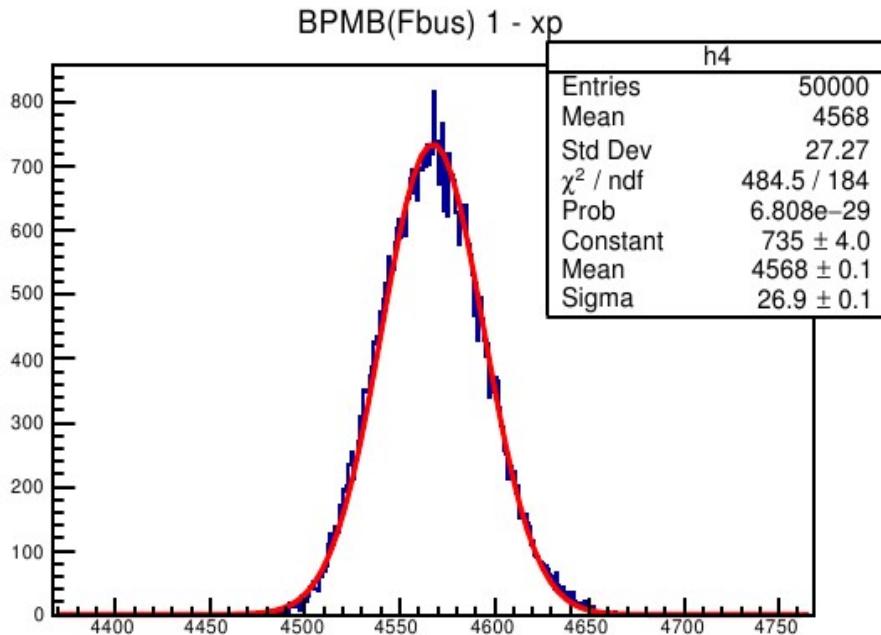
# - Right arm 90558



# - Right arm 90558



# - Right arm 90558

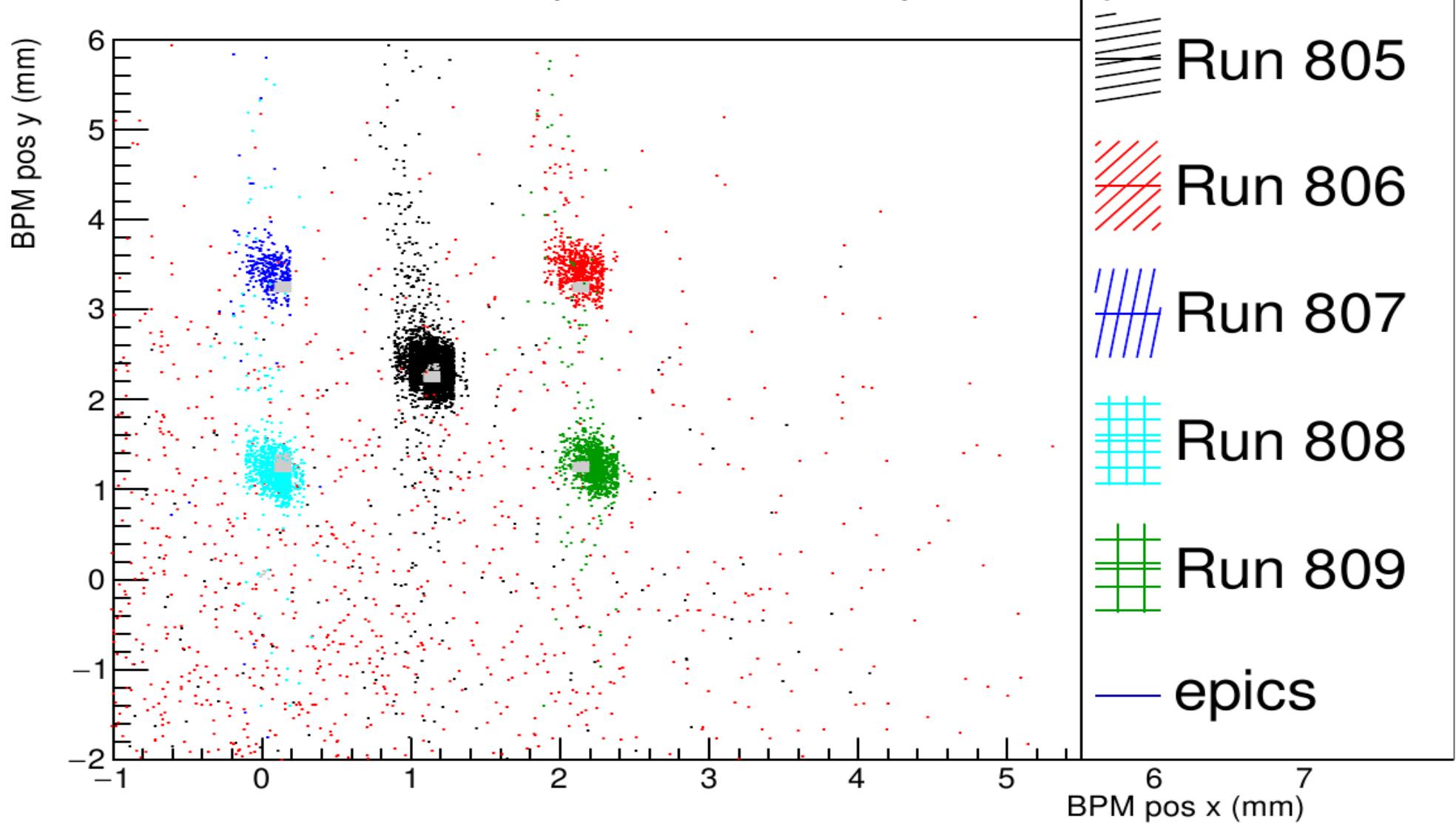


# Calibration results

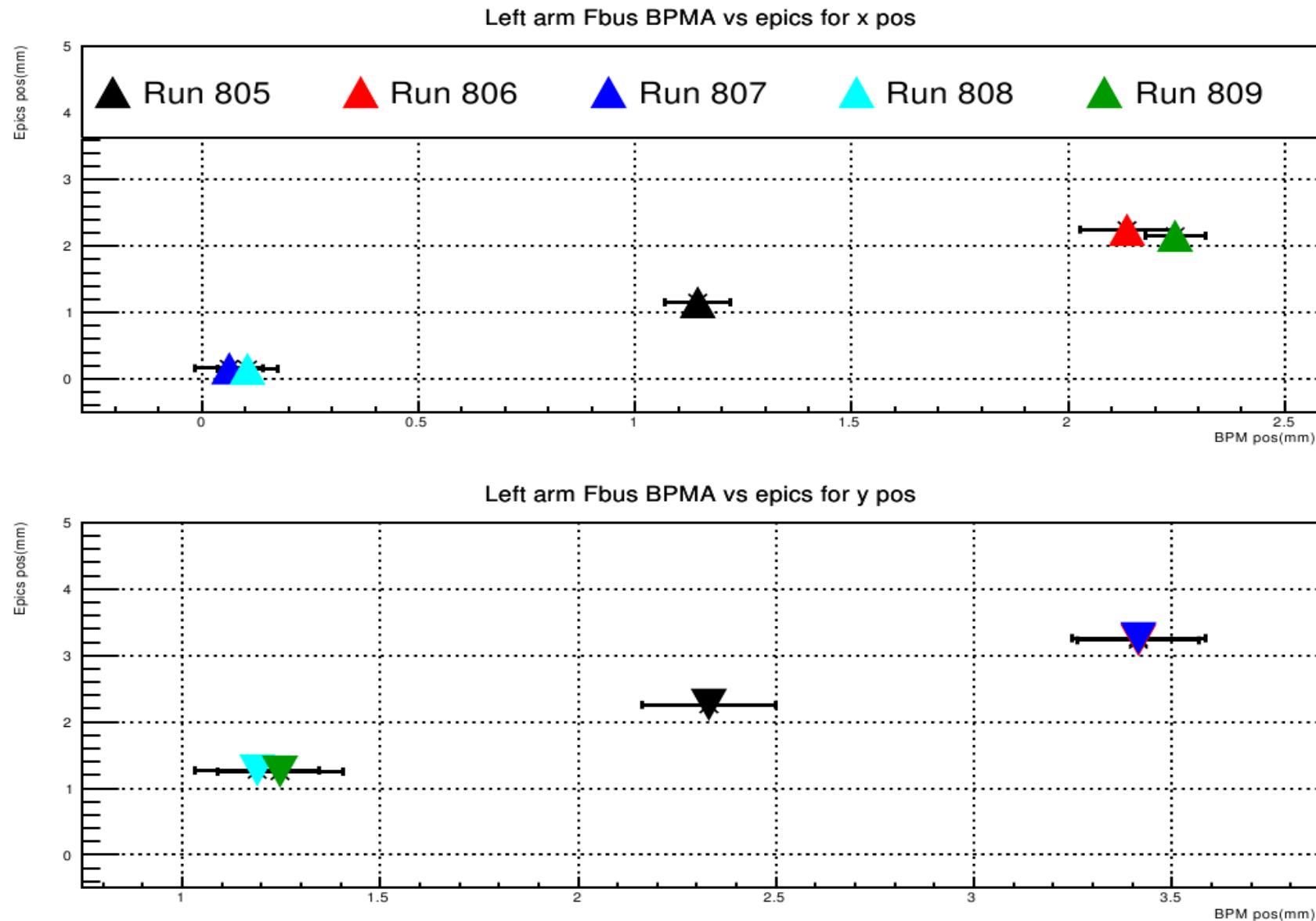
- 2D Plot of the x and y positions reconstructed from the Bpm signals with a Grey box of the values we expect.
- A graph of the fitted x and y position compared to their epics reference.
- This is completed for each BPM of each arm for both fadc and Fast bus.

# Calibration for Left Arm

Left arm BPMA pos for Fbus compared to epics

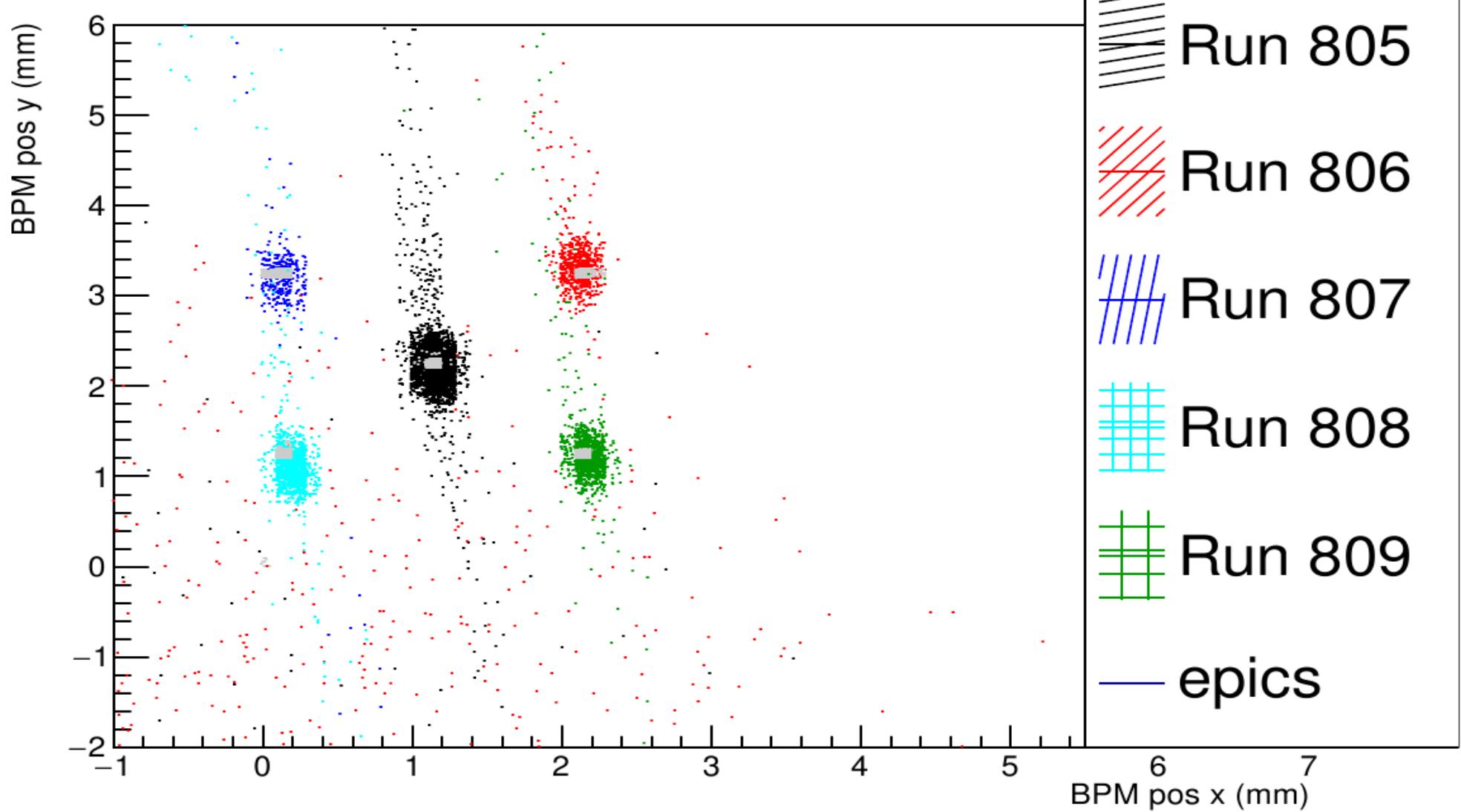


# Calibration for Left Arm

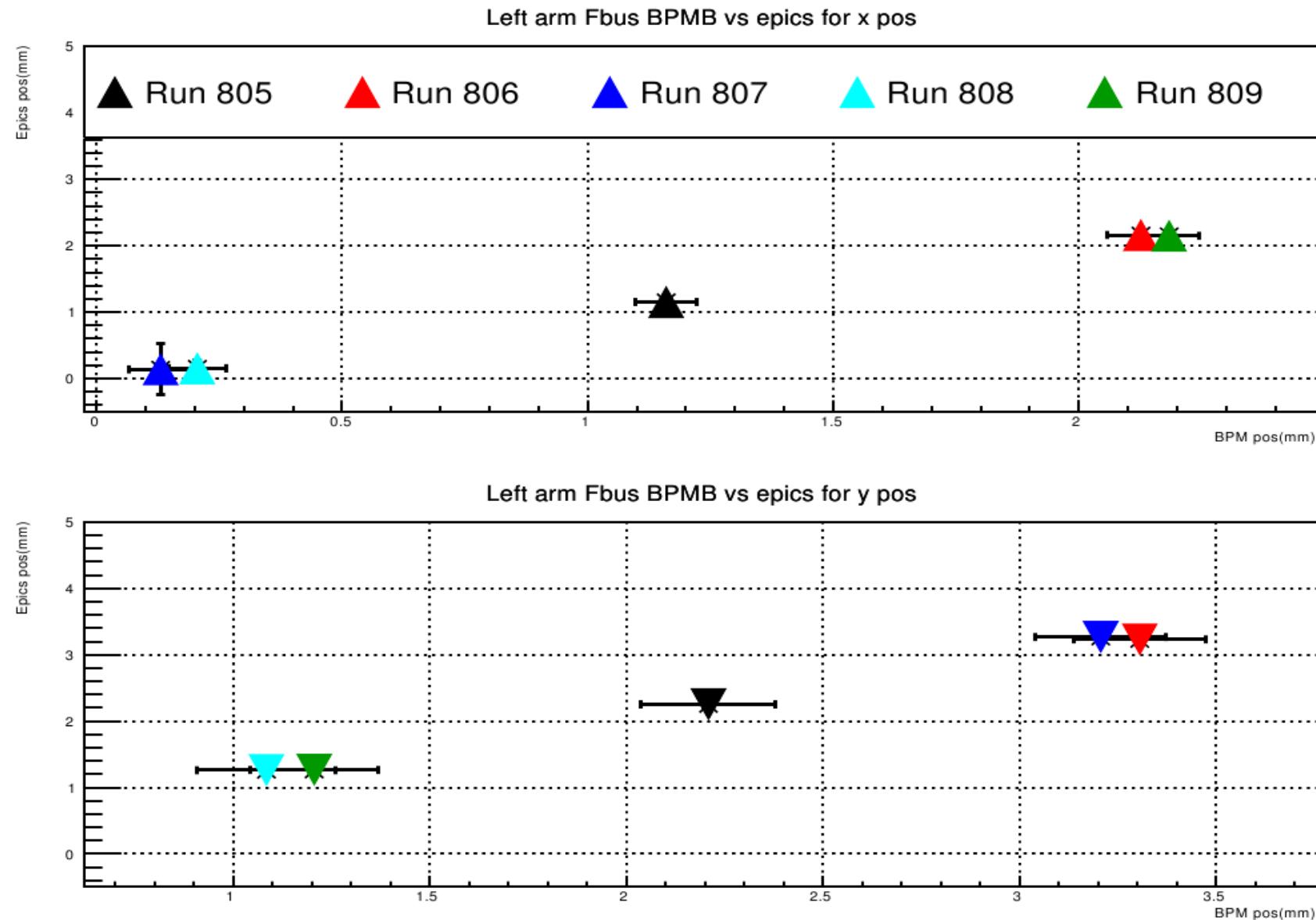


# Calibration for Left Arm

Left arm BPMB pos for Fbus compared to epics

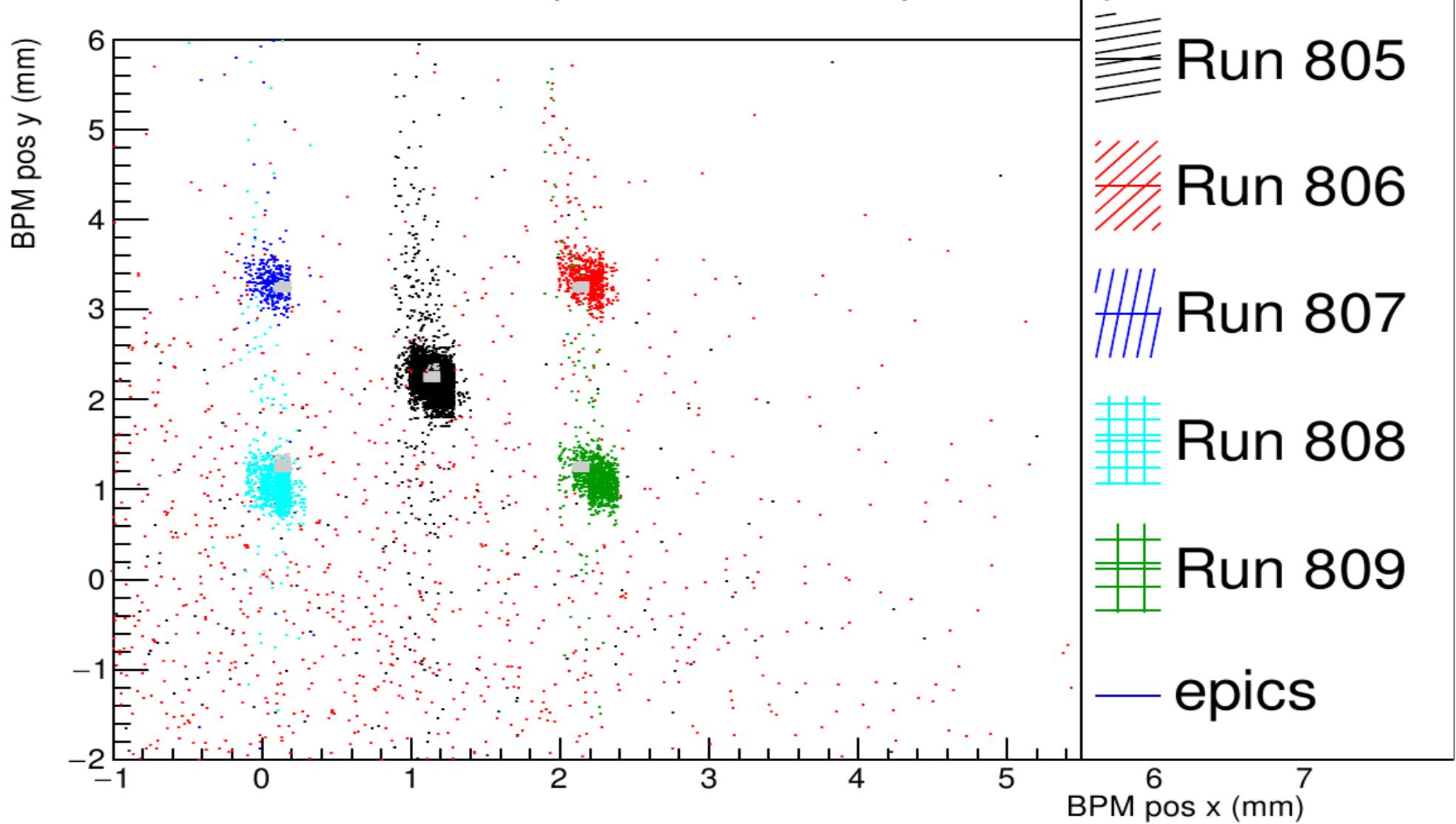


# Calibration for Left Arm

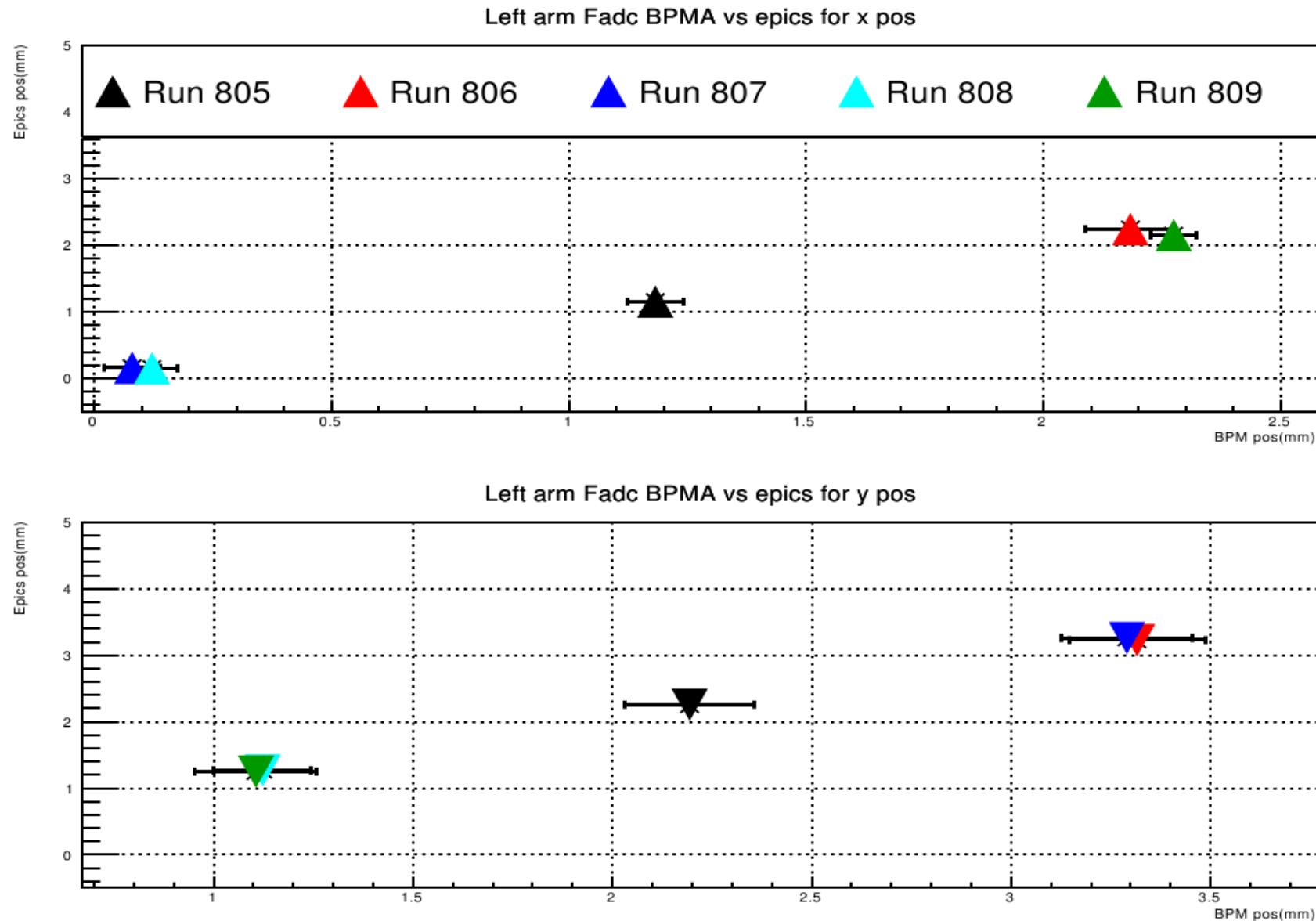


# Calibration for Left Arm

Left arm BPMA pos for Fadc compared to epics

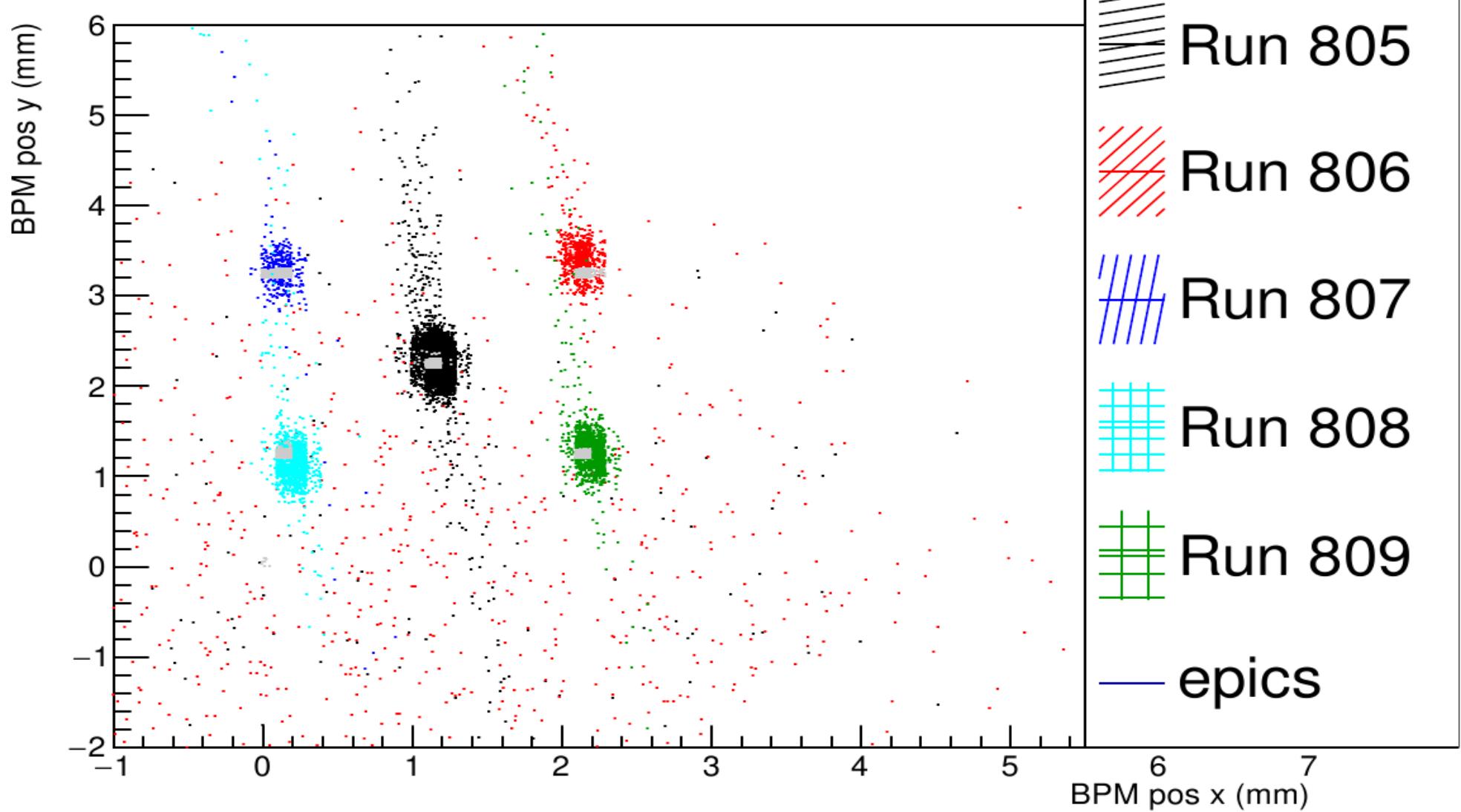


# Calibration for Left Arm

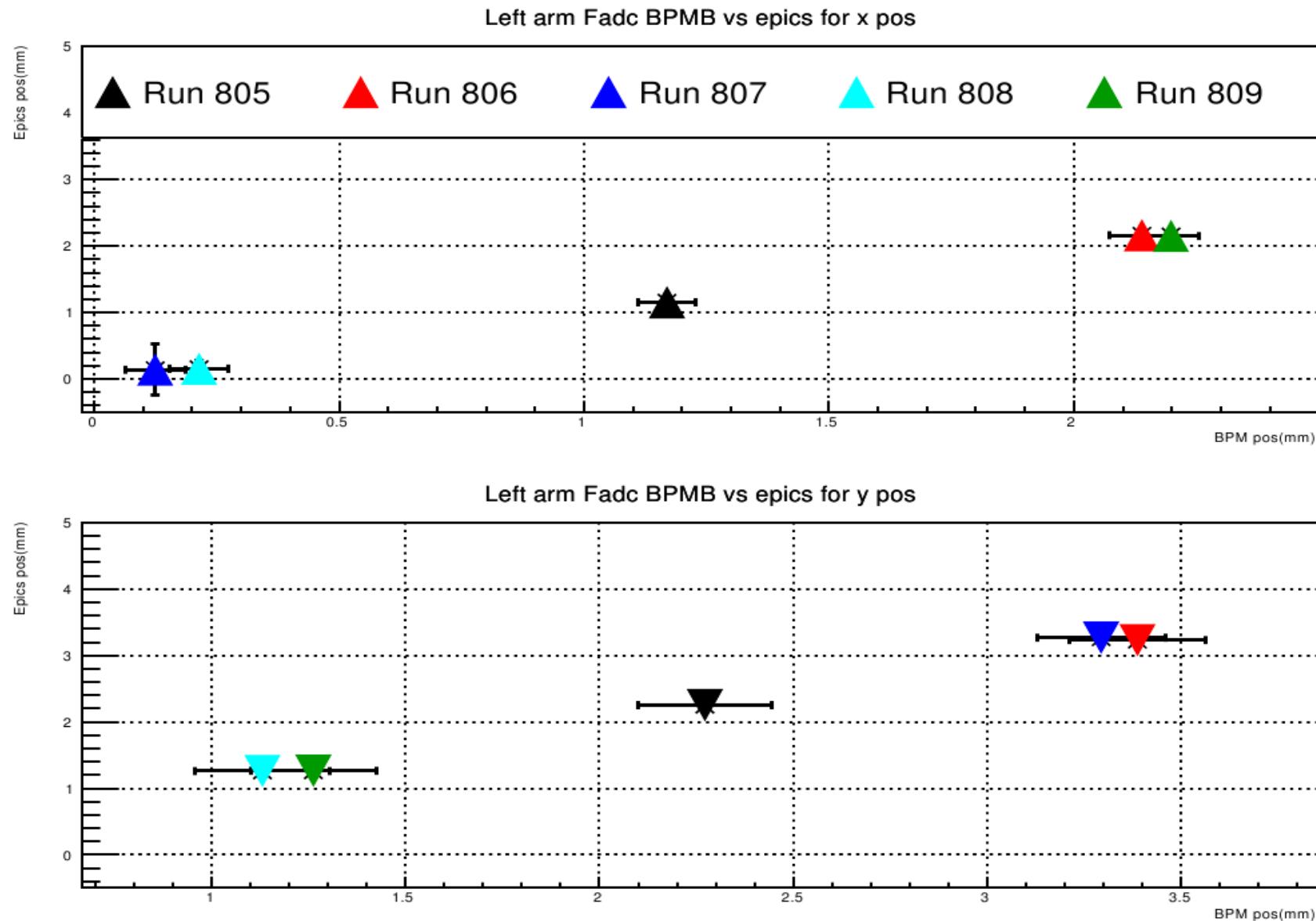


# Calibration for Left Arm

Left arm BPMB pos for Fadc compared to epics

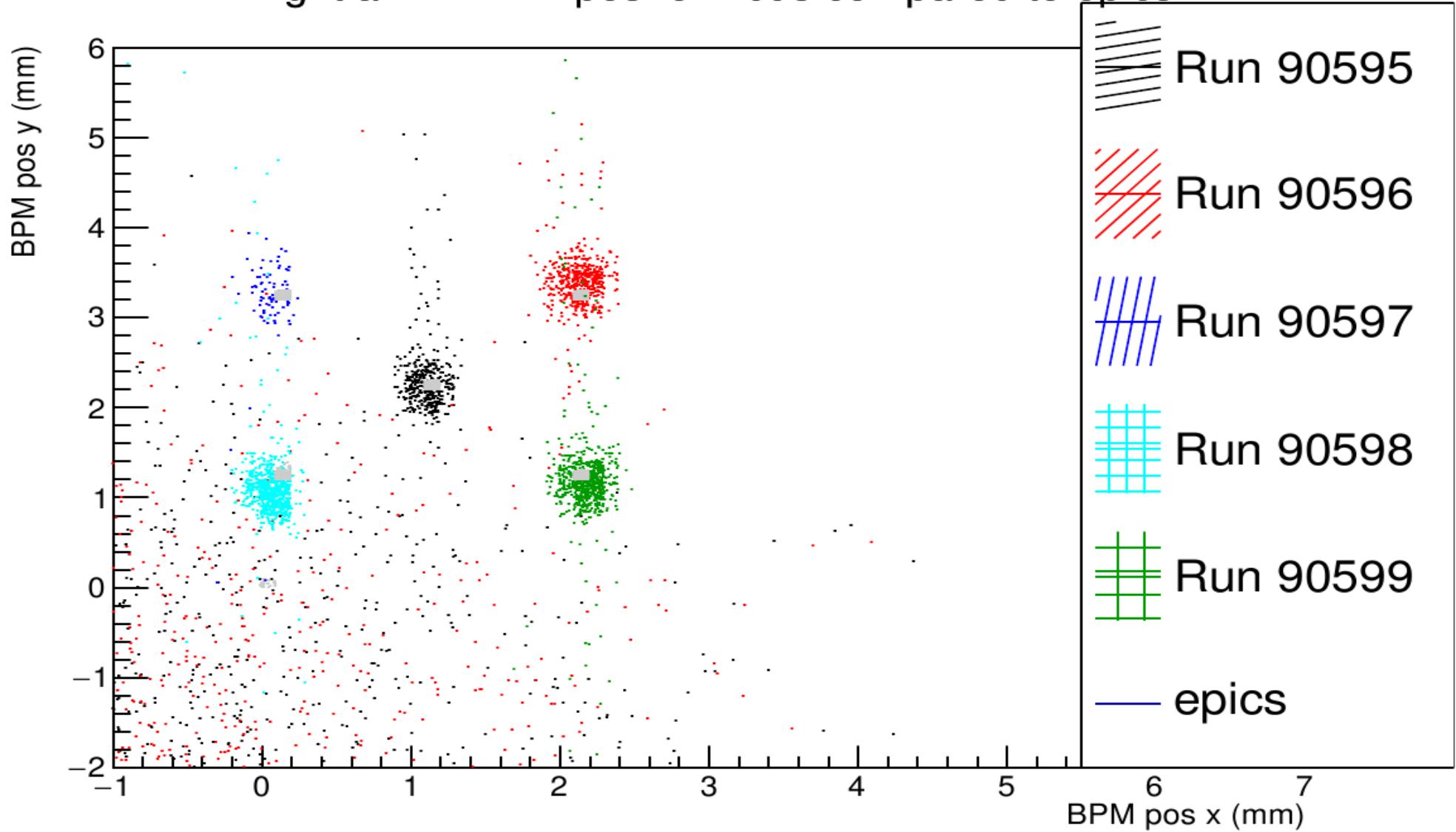


# Calibration for Left Arm

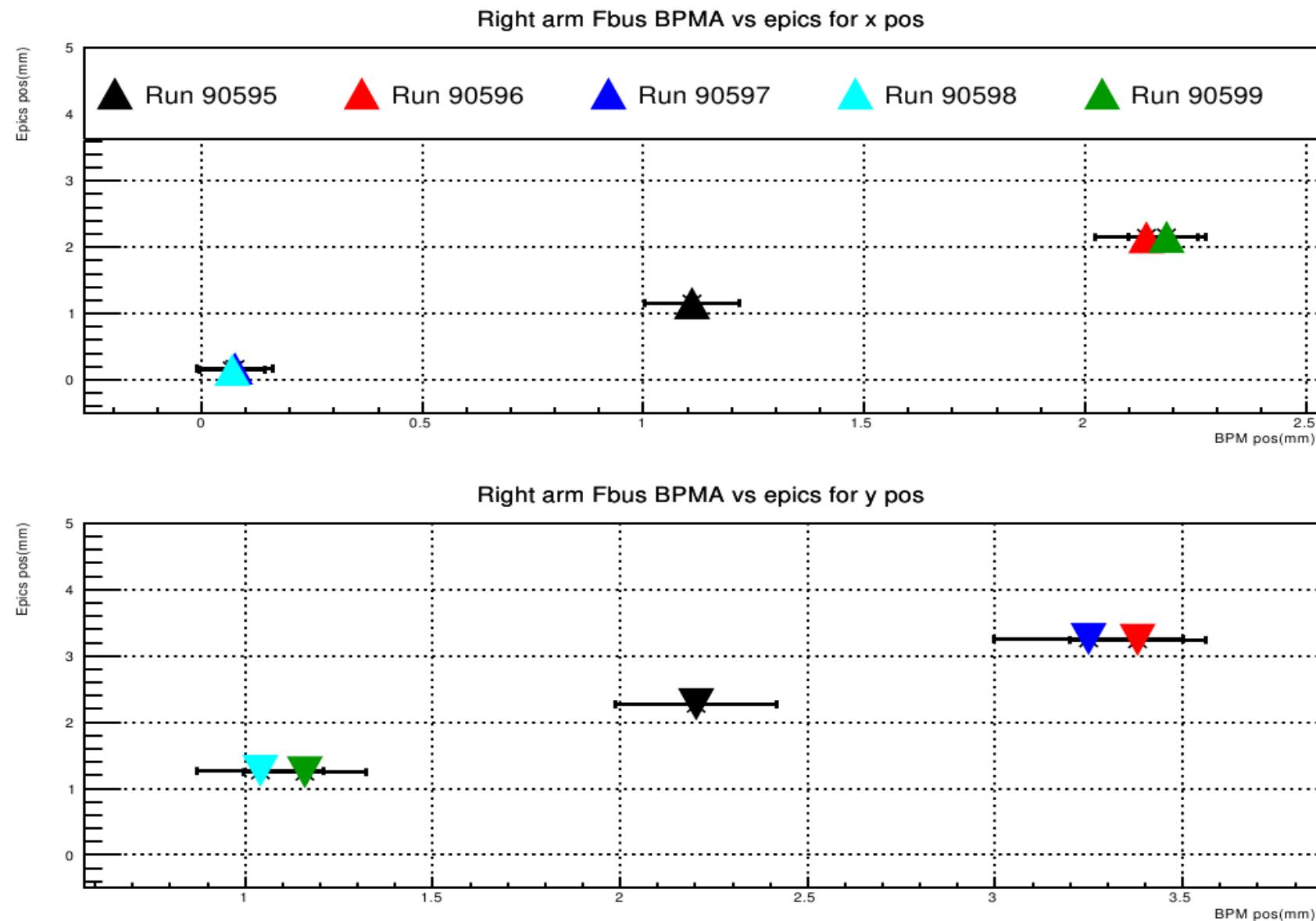


# Calibration for Right Arm

Right arm BPMA pos for Fbus compared to epics

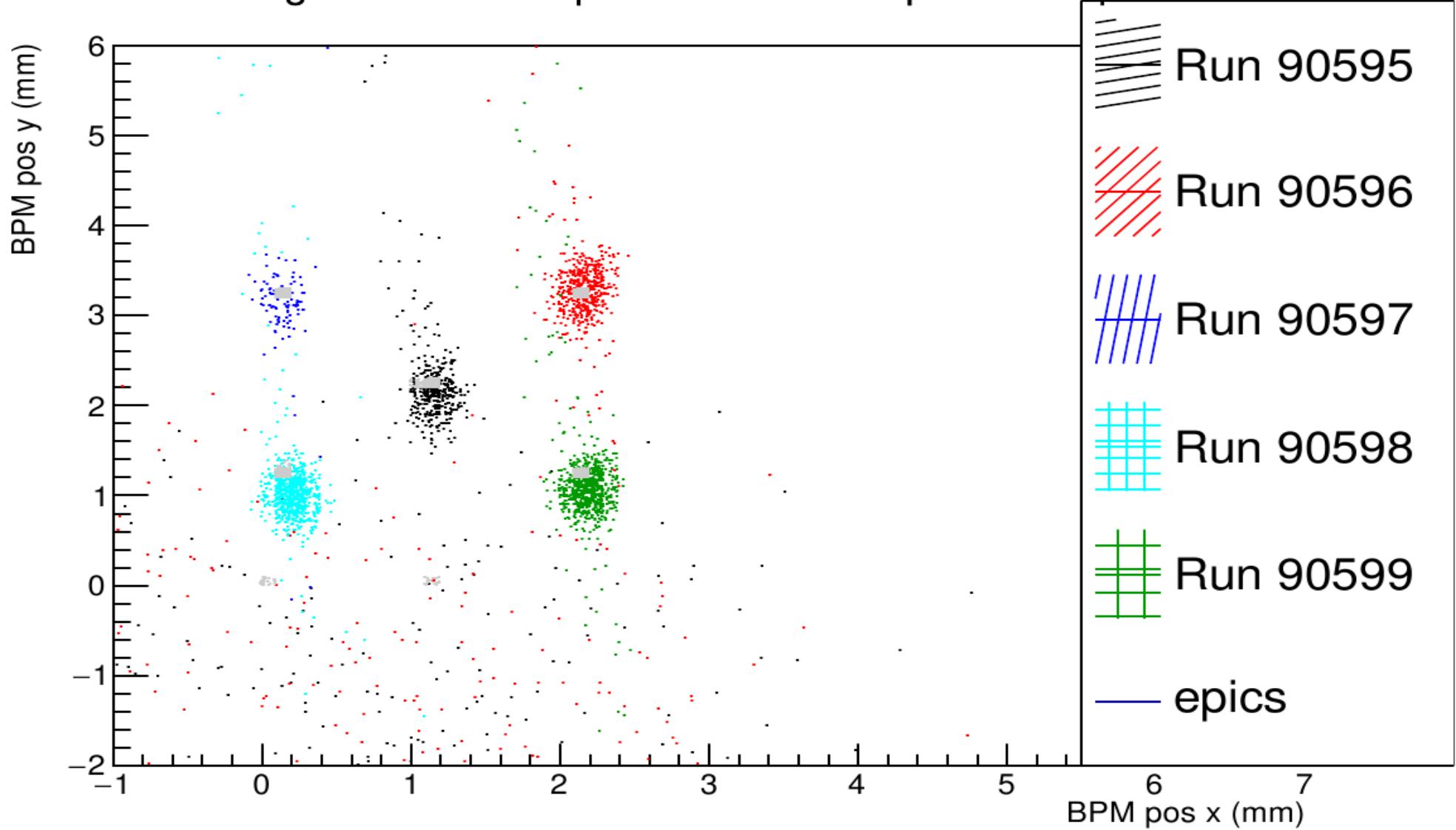


# Calibration for Right Arm

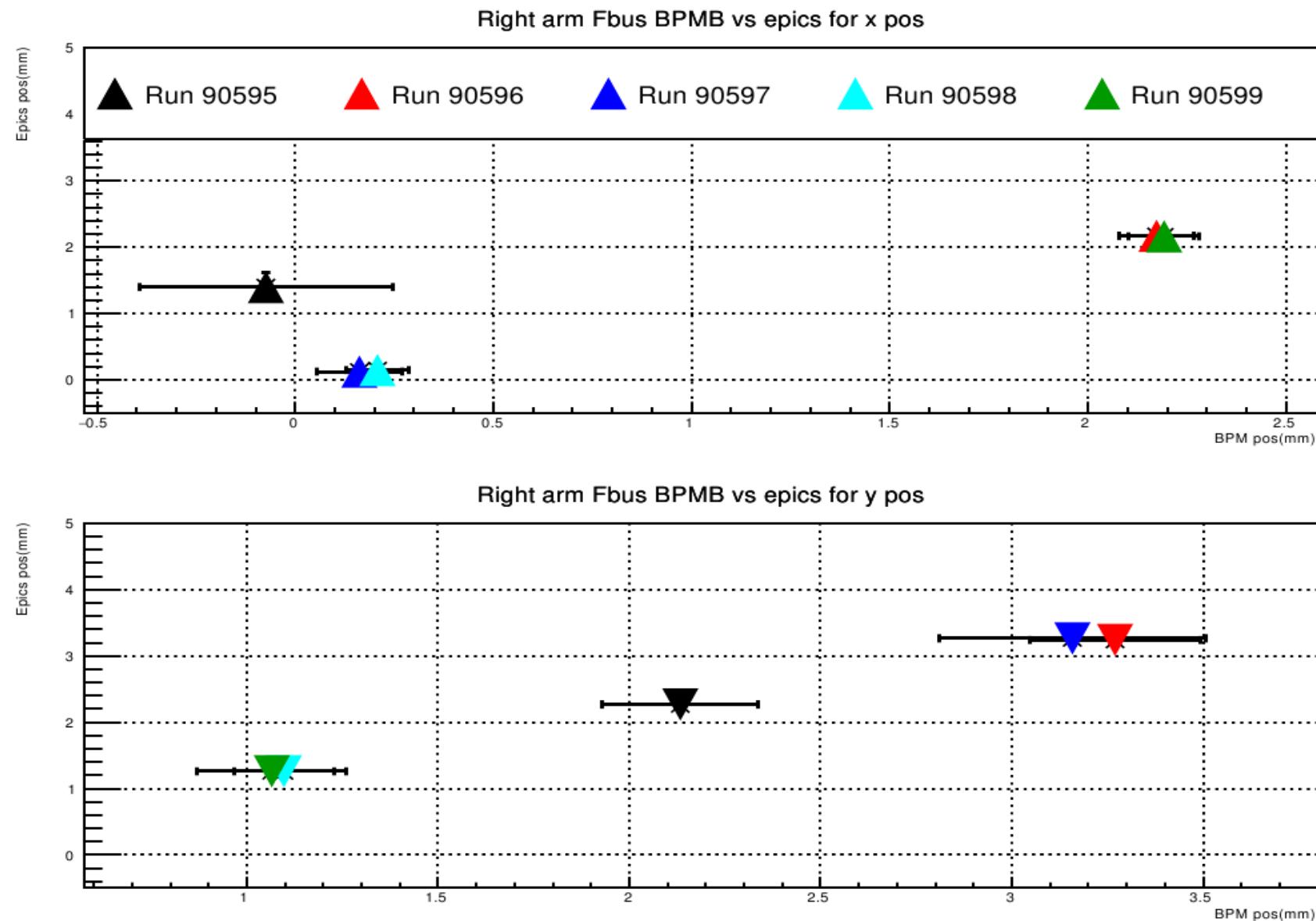


# Calibration for Right Arm

Right arm BPMB pos for Fbus compared to epics

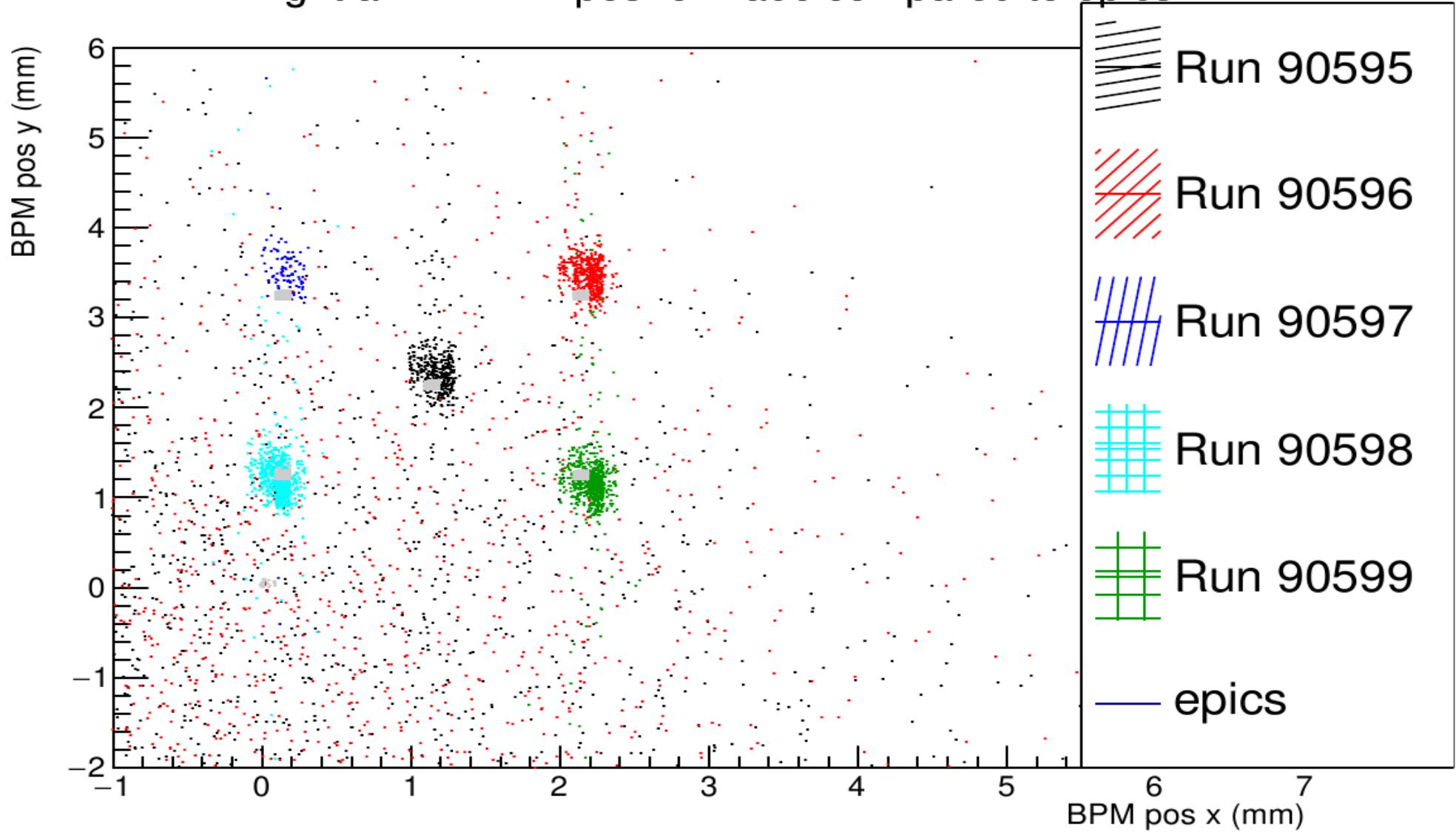


# Calibration for Right Arm

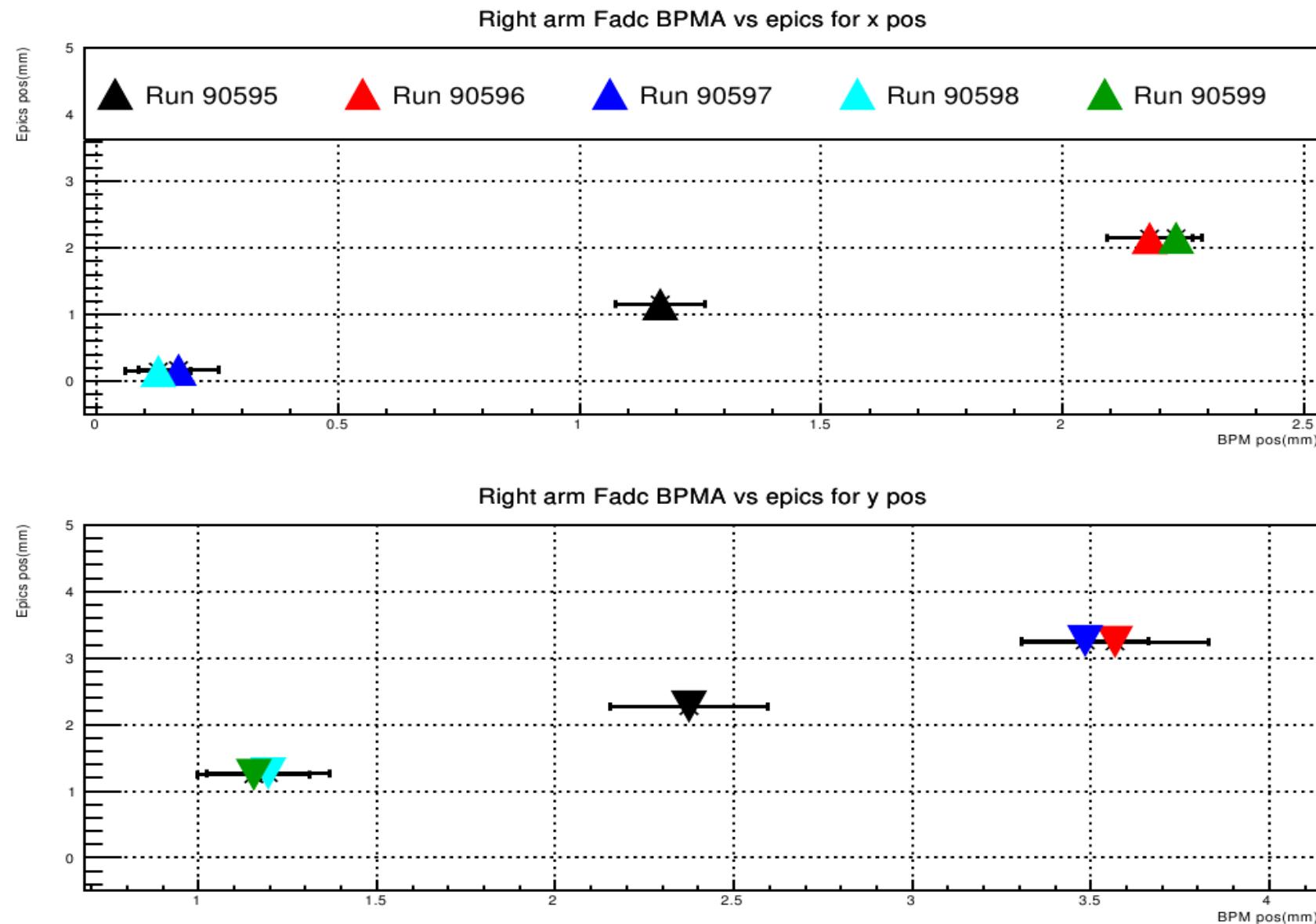


# Calibration for Right Arm

Right arm BPMA pos for Fadc compared to epics

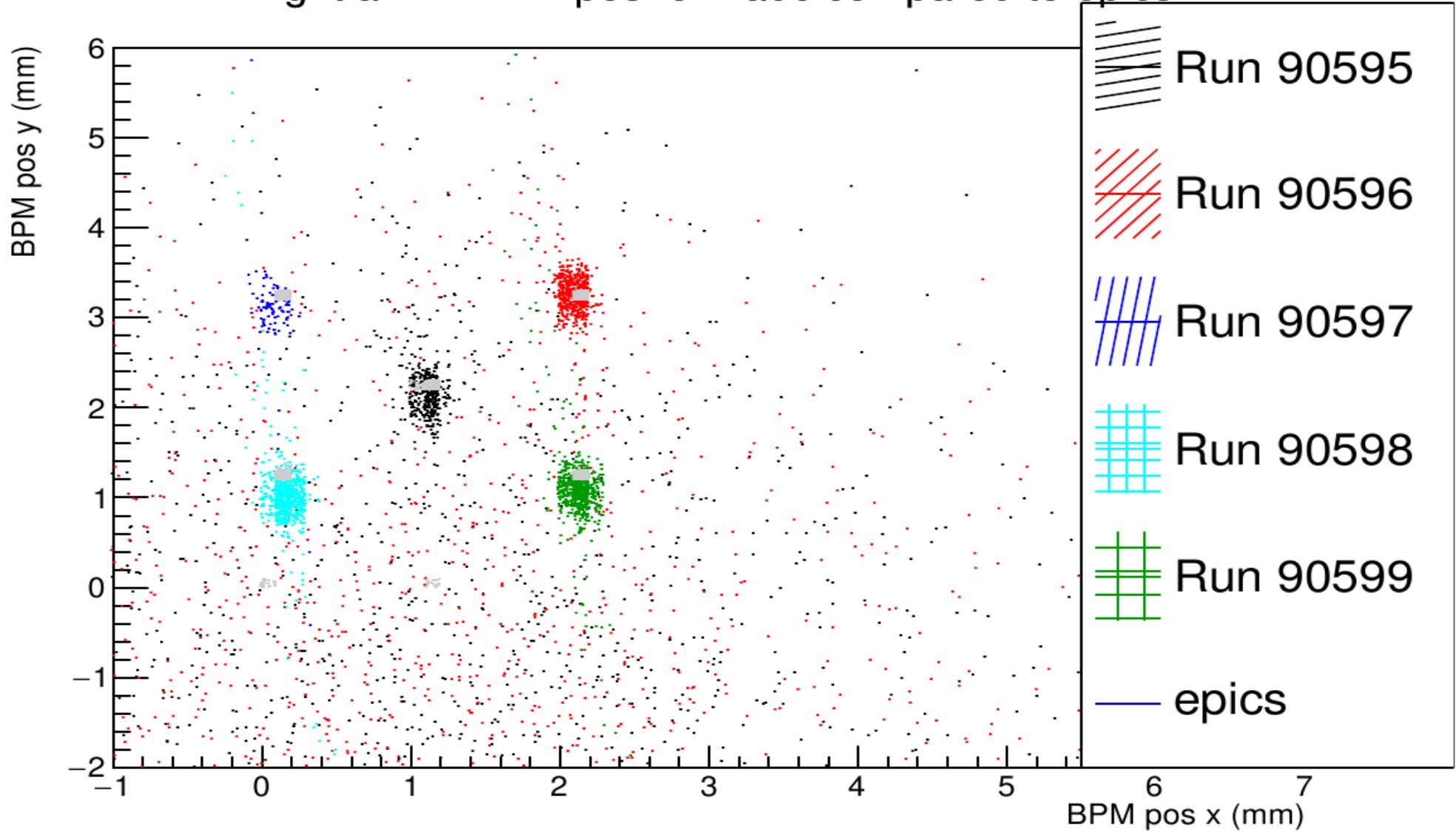


# Calibration for Right Arm



# Calibration for Right Arm

Right arm BPMB pos for Fadc compared to epics



# Calibration for Right Arm

