

# BigBite Analysis

BB acceptance, bendy 5-pass Vertex

Matthew Posik

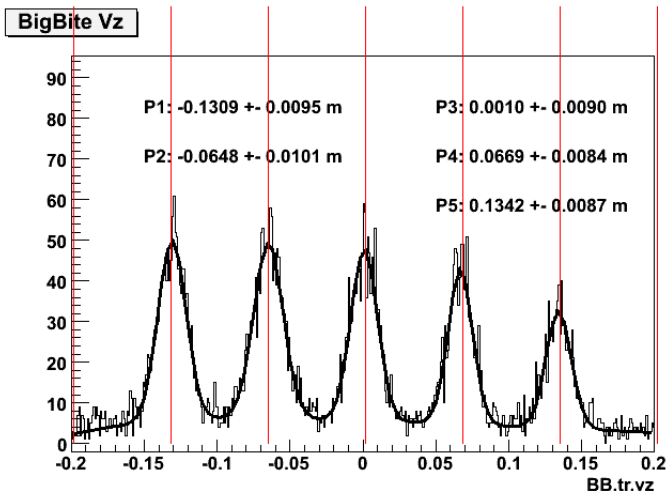
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Philadelphia, PA 19122

9/16/10

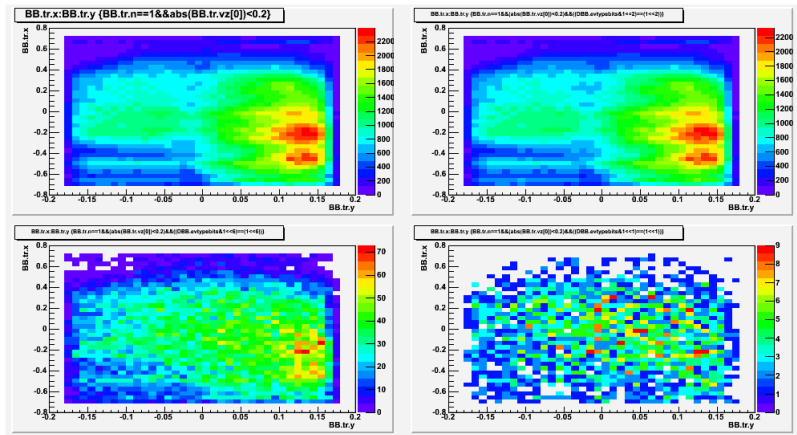
# Outline

- 1 BigBite 5-pass Negative Carbon Vertex
- 2 BigBite Acceptance
- 3 bendy
- 4 Summary
- 5 Whats Next

# 5-pass Negative Carbon Z-Vertex



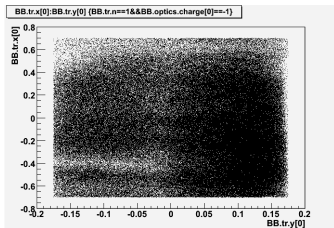
## BigBite Acceptance (1)



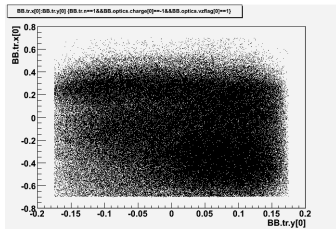
# BigBite Acceptance (2)

- Talked to Kalyan about acceptance issues in BigBite
  - They did not have the missing band we see (shower chans 12.x)
  - They did see the 2 missing blocks (shower chan 19.4,22.5)
  - They were just treated as normal blocks and had larger correction coefficient
- Noticed that the missing band was not always present ...

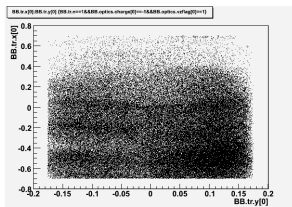
# BigBite Acceptance (3)



Run 2062



Run 1902



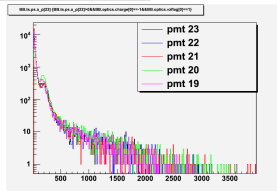
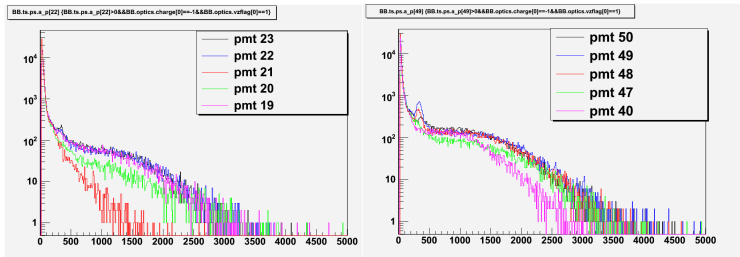
Run 1914

# BigBite Acceptance (4)

- Missing Band seems to appear at run 1914 (3/01/2009)
- Looked through the Halog and entry 263979 Sh and Ps electronics were altered during an access
- So I decided to check the Preshower blocks near sh chan. 12.xx ...

# BigBite Acceptance (5)

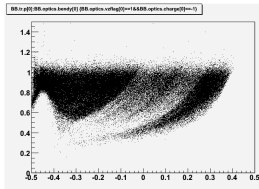
## PreShower ADCs



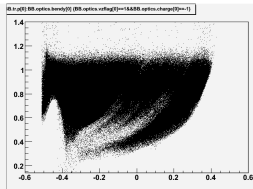


## bendy (1)

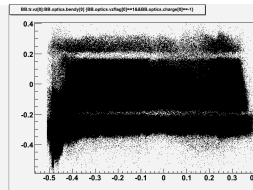
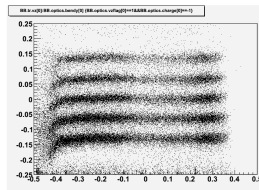
Carbon



H2



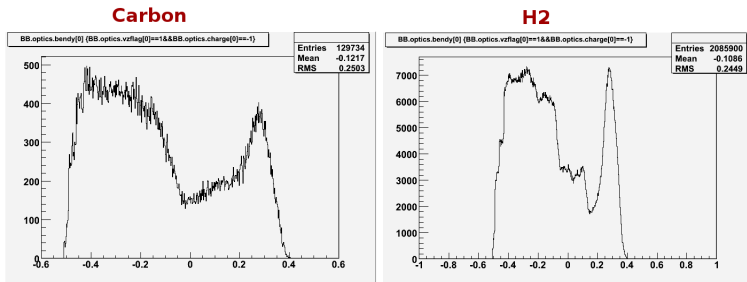
p vs bendy



vz vs bendy

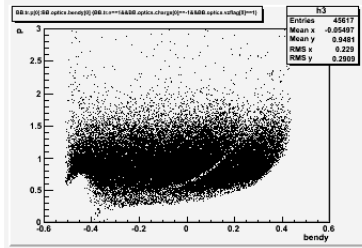
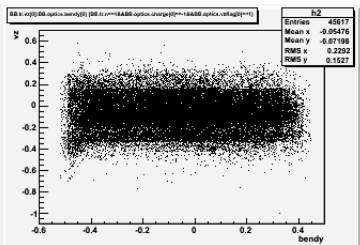
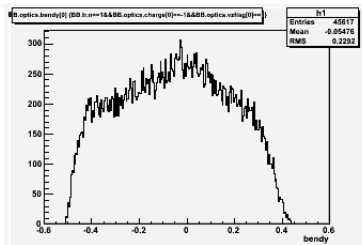
## bendy (2)

Seems to be missing events. From trigger hole?...



bendy

## bendy (3)



# Summary

- Acceptance:
  - Missing Band seems to appear at run 1914 (3/01/2009) during an access (see Halog entry 263979)
  - PreShower Block seems with PMT 21 seems to be the issue
- bendy:
  - Momentum vs bendy distribution seems affected by early trigger hole
  - Not sure how this will impact 1-pass calibrations

# For Next week

- Look at differences between Transversity and d2n BigBite library