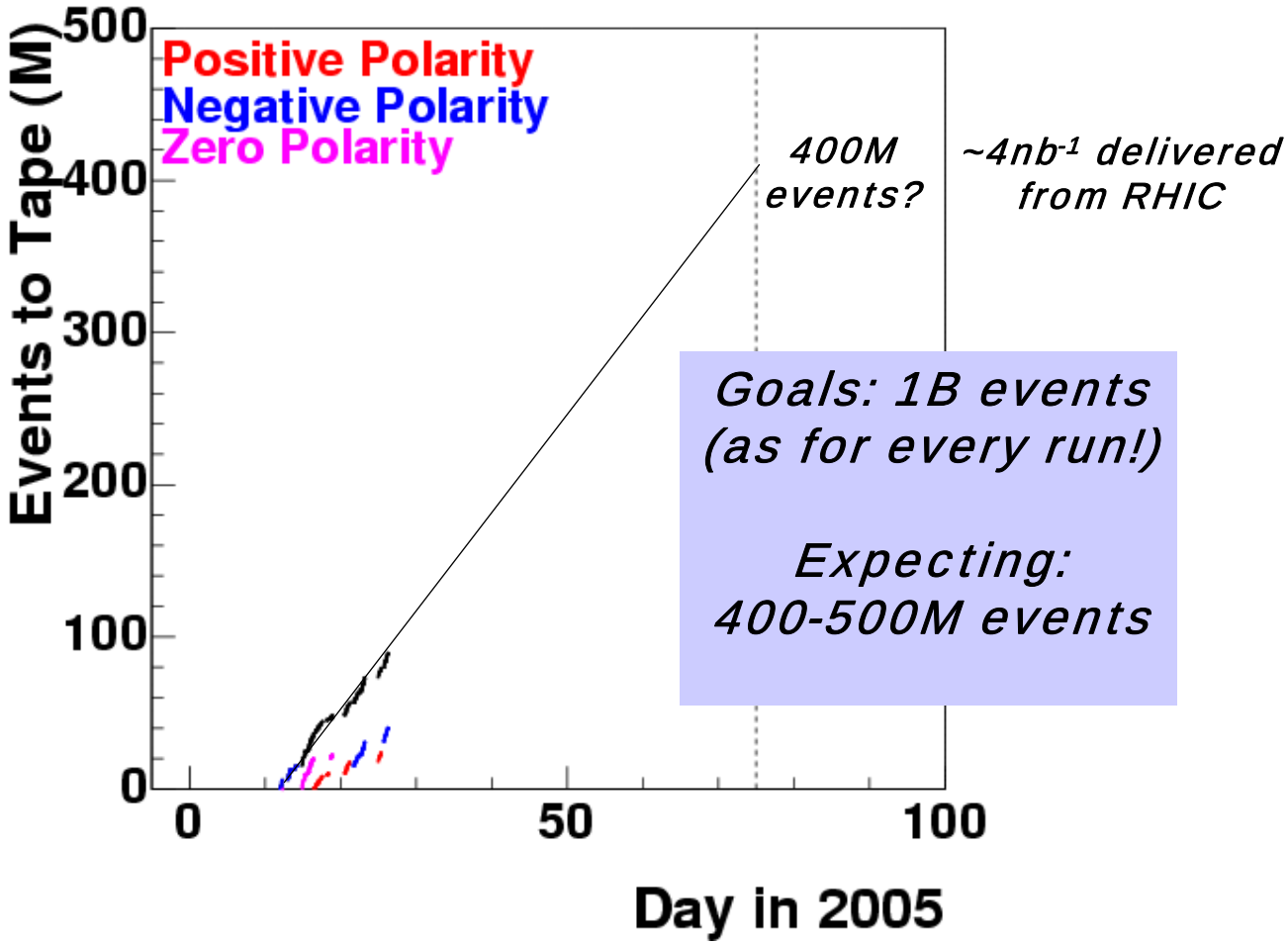
PHOBOS
End of 200 GeV Cu+Cu

Peter Steinberg
Brookhaven National Laboratory

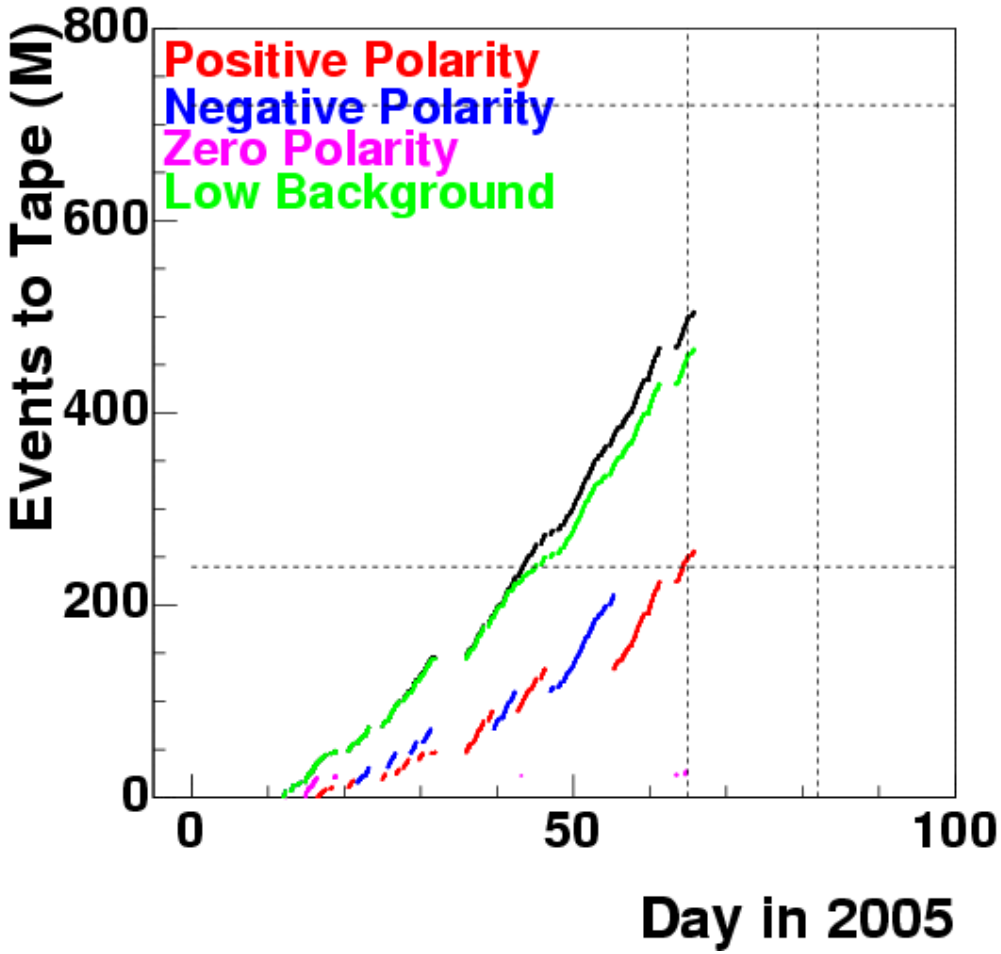
March 9, 2005

Run Statistics 1/26/05

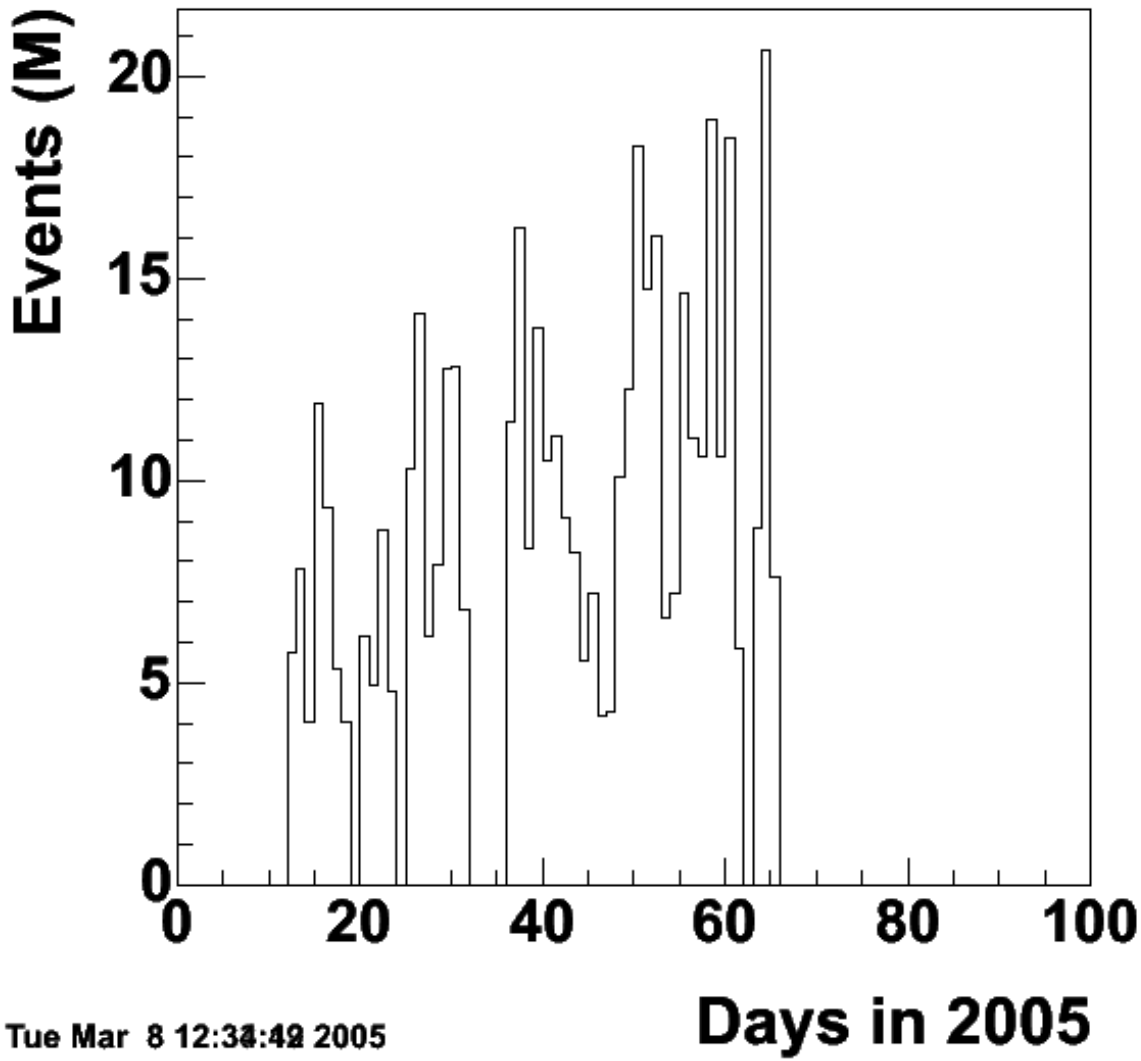


Polarity flips now once/day

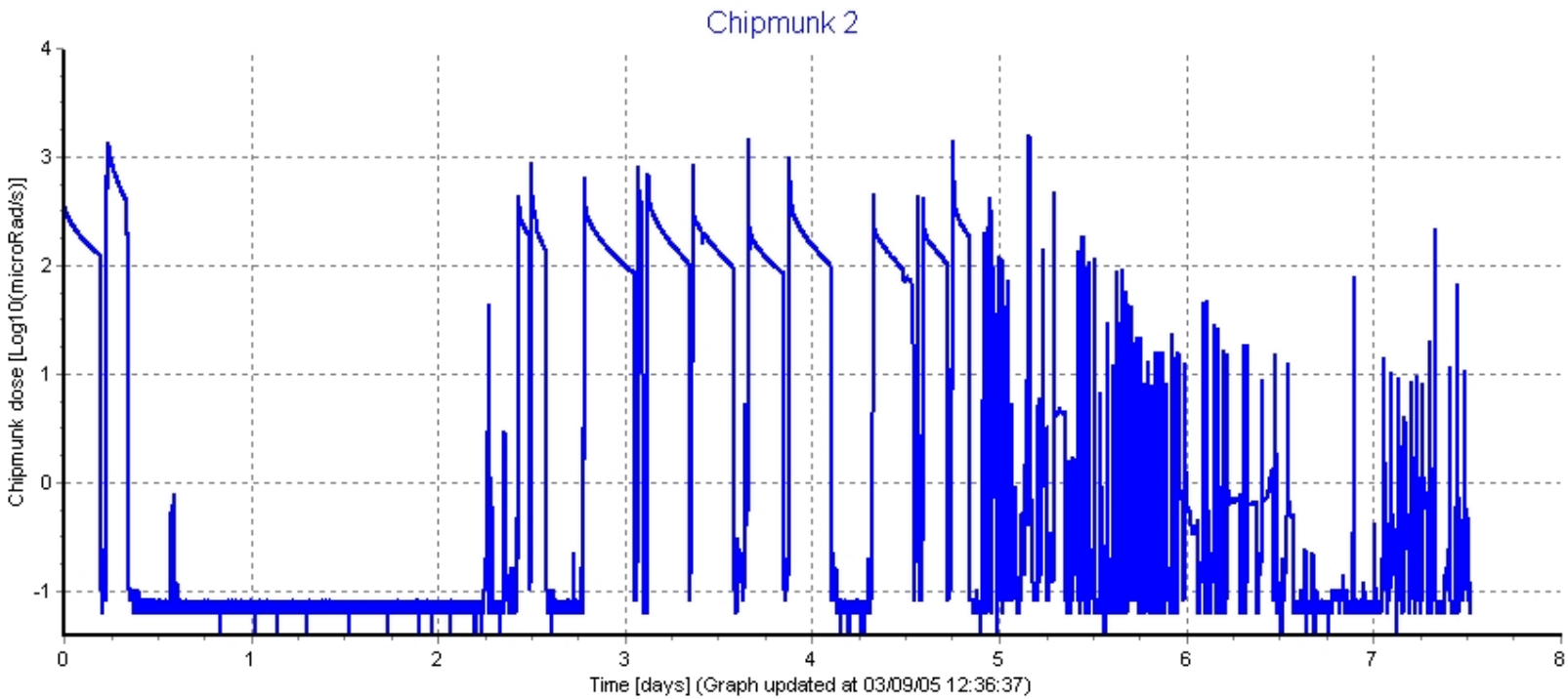
PHOBOS Cu+Cu 200 GeV



Run Totals by Day

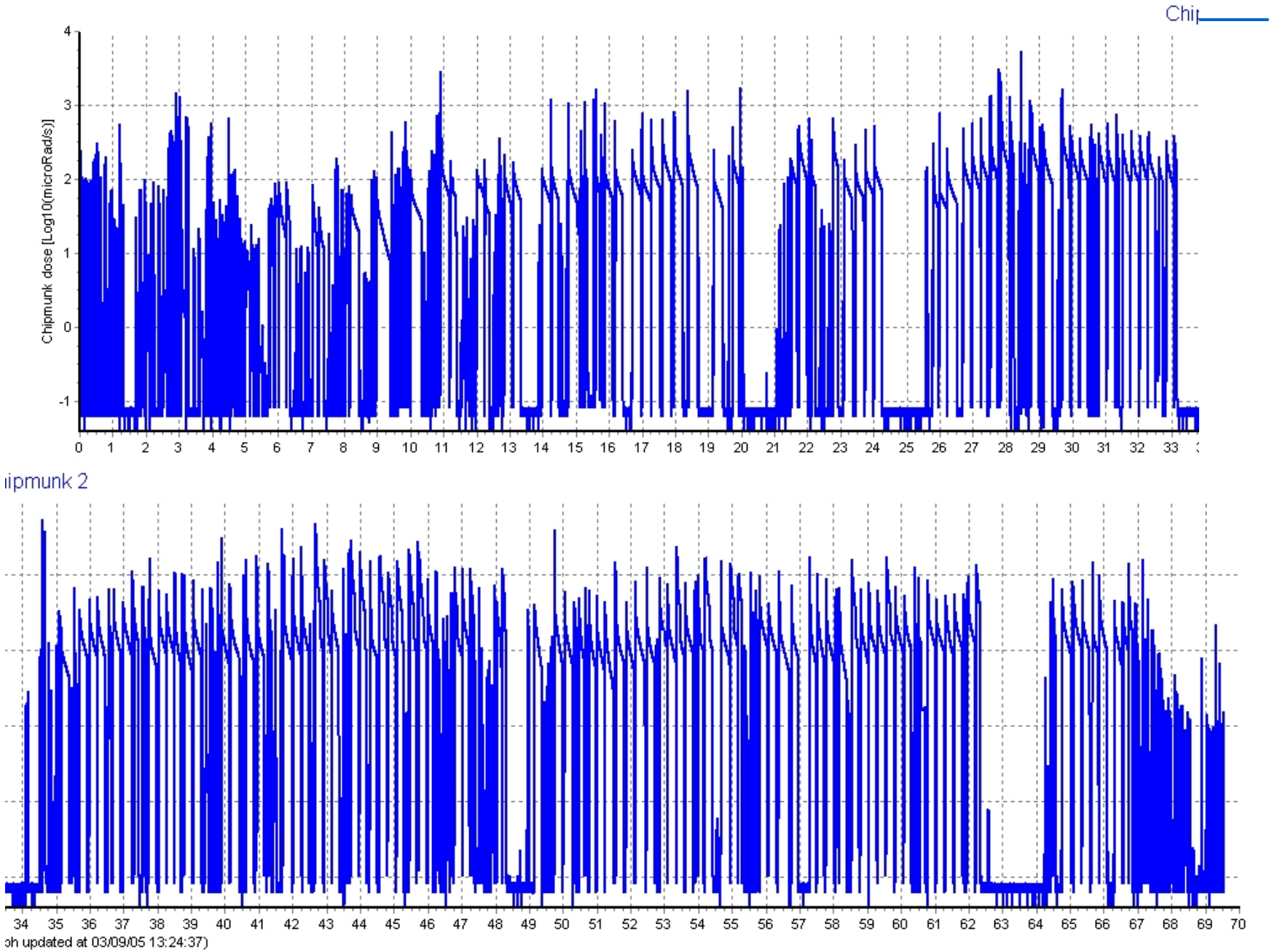


The Last Week



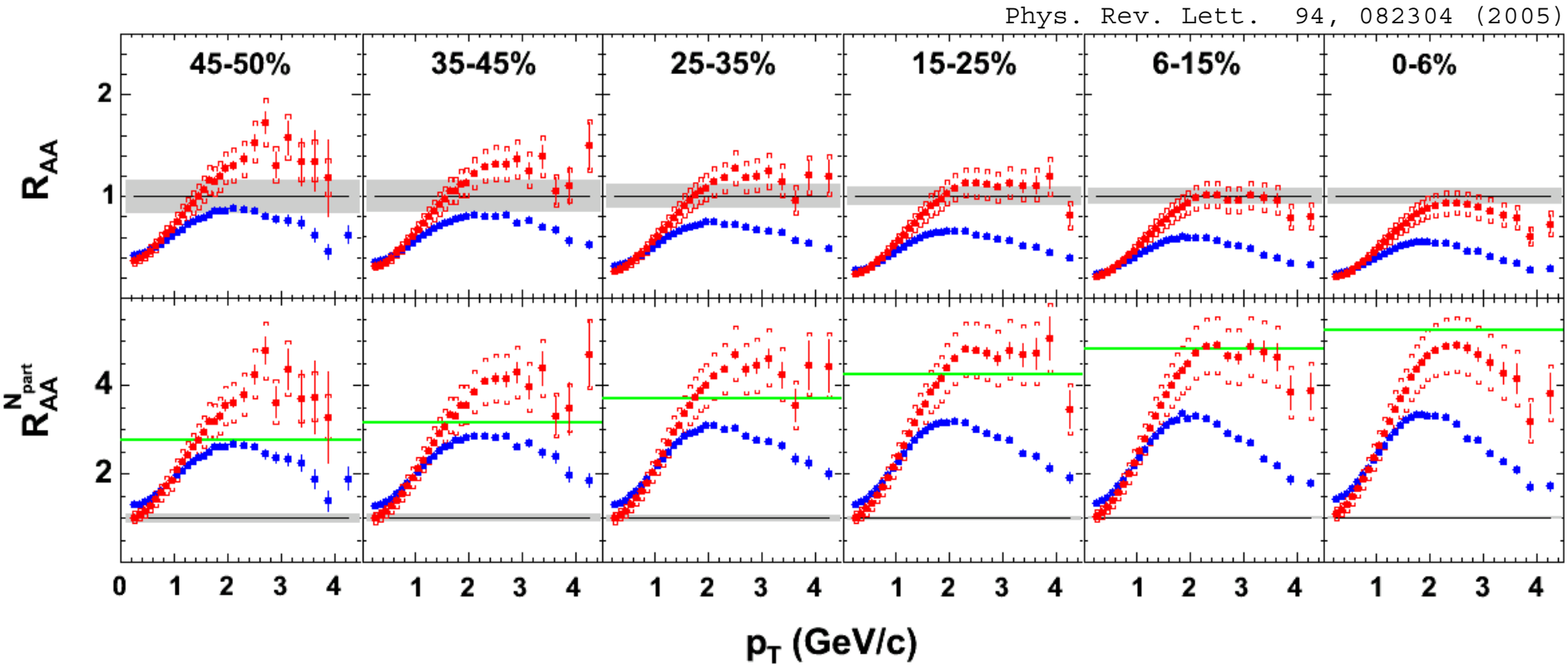
Zero field run on Saturday - THANKS!

The Whole Run



Expectations for 62.4 GeV

- 12 Days, 50% uptime
- 450 Hz average trigger rate
- This gives about 250M events
  - Pushes out to ~5 GeV in p_T - to match PRL



Special Requests for 62.4 GeV

- Polarity flips
  - At least one on ~Monday 3/14
- Request for short field-off run
  - As soon as possible using 1/2 store

Expectations for 22.4 GeV

- Might expect initial rates of 500-600Hz
  - O(10000)/(2*10) (beta* and gamma)
  - Thus, rebucketing etc. is crucial
- If we get 450 Hz and we get
  - 8 hours MD
  - 6+24+8 = 38 hours run
  - Then 46 hours x 50% uptime = 37M events MAX
- Sufficient data for all physics topics, but do not wish to shorten run, since overall uptime uncertain - e.g. setup may take longer than expected