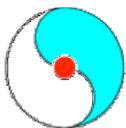




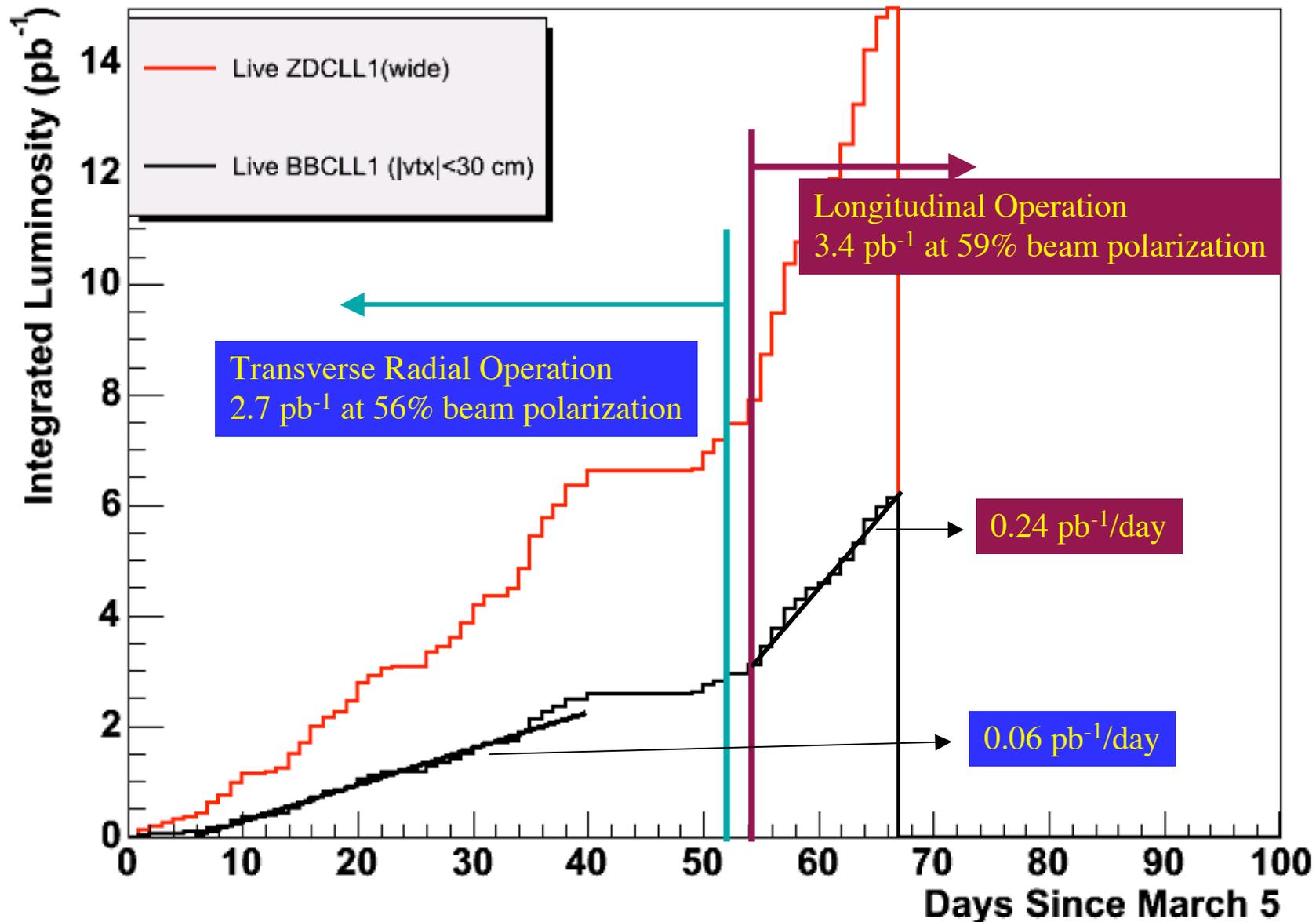
# Run-6 Status

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RHIC Spin Meeting  
May 12, 2006



# Progress so far...



# Accumulations....

- **So far:** (200 GeV CM longitudinal collisions)
  - 3.4 pb<sup>-1</sup> at 59% : P<sup>4</sup>L = 0.41
  - To put it in perspective: Compare to Run-5 P<sup>4</sup>L = 0.16
  - **Data taking rate 0.24 pb<sup>-1</sup>/day; early run was 0.06 pb<sup>-1</sup>/day**
  - **We already have 2.7 pb<sup>-1</sup> at 56% polarization radial data set**
- **Aspirations:**
  - **Can expect to achieve ~9 pb<sup>-1</sup> at ~60% polarization this run!**
  - **A wonderful input for physics outcome at 200 GeV**
  - 22 GeV CM test : June 5-6
  - 62.4 GeV CM ~2 weeks : June 6-20
  - 500 GeV machine development : June 20-26

# Polarized 62.4 GeV pp

- Polarized beam highly desired
- Longitudinal vs. Transverse (vertical)?
  - Not decided yet
  - Input from CA on whether orbit excursions in the rotator magnets will be large enough to compromise the effective pp luminosity.
  - If significantly reduced luminosity, we will decide to run **transverse**: a high statistics pp 62.4 GeV comparison data set is the main motivation for this run
  - If no change in the beam luminosity, we will decide within a week whether to run transverse or longitudinal