
PHOBOS

Run 5 Readiness

Peter Steinberg / Robert Pak
Brookhaven National Laboratory

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Run Preparation

- **Work left to be done in preparation for Cu-Cu physics run**
 - **Several successful dry runs with new DAQ system**
 - **Detector system is operational**
- **Current shift schedule**
 - **Shifts start Nov 29 @ 3pm.**

Physics Goals/Needs for Run 5

- **Physics goals for planned Cu-Cu run**
 - **Energy** and centrality dependence for
 - 4π observables (multiplicities, flow)
 - Particle spectra
- **Needs (Cu-Cu)**
 - ~ 1 Billion events @ 200 GeV (1.5-4 nb⁻¹ or 2+8 weeks)
 - ~ 150 Million events @ 62.4 GeV (2 weeks)
 - 1 day @ 22.4 GeV (injection)

Run Conditions

- **Required run conditions to achieve goals – luminosity, β^* etc.**
 - **Assuming $\beta^*=3\text{m}$ for 200 GeV as last year**
- **Special requests:**
 - **Fixed-length stores are clearly optimal for overall operation of PHOBOS.**
 - **We would like additional time (e.g. 45 minutes) in a store if there is a substantial (>30 min) vacuum breakdown.**
 - **PHOBOS magnet has three states: even amount of data in each polarity and 10% field off.**
 - **(pp): Special 400 GeV run as early as possible.**