Spin Plans for RUN 03 from STAR

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for
RHIC Spin Collaboration Meeting IX
RIKEN BNL Research Center

RHIC Spin Meeting
BNL
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Projected STAR Spin Beam Use Request

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Questions for an opening discussion:

1) What is the goal of having BUR discussion at a RHIC Spin meeting at the time?

2) How will this inform C-AD and help them better plan for the FY03 run?

3)What will be different this year form a beam use perspective?

transverse vs. longitudinal is not a STAR vs. PHENIX issue this year
integrated Ldt is not a beam use issue this year, or at least shouldn't be
number of days of pp running is possibly an issue this year

Why run pp in FY03?

1. Commissioning RHIC and detector spin components is a difficult, step-by-step process. Missing a year will put us a year behind. We are not likely to catch up by having longer runs in subsequent years.
2. The sense of the STAR spin group is that keeping spin commissioning moving forward is more important than any particular physics goal for this year. It is essential for the "health" of the spin community that this happen. The young people involved can not be expected to wait two years between runs.

Run Priorities

1. Commissioning

   P_AGS > 0.4 , P^2_RHIC > 0.1
   Rotataors
   A/C dipole
   Down-ramp
   10^31
   Other C-AD beam development

2. Transverse Polarization

   Measure A_T sufficient for tuning the rotators
   Measure A_T in forward pi0production, 1 pb^-1

3. Longitudinal Polarization

   Measure A_LL in pp => jet + X, 3 pb^-1