8-9 May 2008

P971 (Y. Semertzidis, et al.): Search for a Permanent Electric Dipole Moment of the Deuteron Nucleus at the $10^{-29} \cdot \text{cm}$ Level. Encouraged to develop, during the summer of 2008, an R&D plan for 2008-2012 that lays out clear and detailed milestones; asked to develop a run plan at an existing storage ring that will permit the necessary measurements to achieve these milestones; plan for an initial technical review during 2009 and a DOE CD-0 review during calendar year 2010.

29-30 March 2007

LoI (D. Babusci, et al.): Development of a Resonance Method to Search for a Deuteron Electric Dipole Moment Using a Charged Particle Storage Ring. Encouraged to develop a proposal.
R20 (P. Chaudhari, et al.): Search for Magnetic Monopoles at the Relativistic Heavy Ion Collider (RHIC). Rejected, but encouraged to continue tests with the goal of determining the feasibility of operating SQUIDs in the environment of a hadron collider.

12-14 September 2006

LoI (M. Bai, et al.): Development of a Resonance Method to Search for a Deuteron Electric Dipole Moment Using a Charged Particle Storage Ring. Encouraged to explore the feasibility of developing into a proposal.
LoI (M. Lowry, et al.): Search for an Electron EDM with PbF. Advised not to continue effort.
R20 (P. Chaudhari, et al.): Search for Magnetic Monopoles at the Relativistic Heavy Ion Collider (RHIC). Encouraged to improve proposal and perform some feasibility tests.

23-24 March 2006

None: only planning recommendations.
3-5 November 2005

None: only RHIC Run 6 and planning recommendations.

8-10 September 2004

EoI (R. Bellwied, J. Harris, P. Steinberg, & T. Ulrich): A Comprehensive New Detector at RHIC II. Encouraged to participate in a broad discussion of the RHIC II program.


P969 (D. Hertzog, W. Morse, & L. Roberts): A \((g - 2)_{\mu}\) Experiment to \(\pm 0.2\) ppm Precision. Scientific approval.

P970 (J. Miller, Y. Semertzidis, & E. Stephenson): Search for a Permanent Deuteron Electric Dipole Moment at the \(10^{-27}\) e-cm Level. Rejected.

LoI (B. Fleming & R. Tayloe): A Neutrino Scattering Experiment Using an AGS Neutrino Beam. Encouraged to develop a proposal.

LoI (T. Nakano): Search for the Pentaquark. Encouraged to develop a proposal.

29-30 September 2003


26-27 August 2002


P965 (K. McDonald): Proposal to Measure the Efficiency of Electron Charge Sign Determination up to 10 GeV in a Magnetized Liquid Argon Detector (\(\mu\)LANNDD). Deferred.

28-29 September 2001


P962 (V. Hughes, B.L. Roberts): A Precision Measurement of the Muon \((g - 2)\) Value. Scientific Approval.


BRAHMS, PHENIX, Phobos, and STAR presented their Beam Use Proposals to the PAC. The following priorities were established for additional running, should it be possible, following the FY02 polarized proton run:

1. Complete the Run 2 objectives in all four experiments with \(\text{Au+Au}\) at 200 A·GeV;

2. A short machine development run to extend the RHIC capability to deliver \(\text{d+Au}\);
3. If substantial running time (with comparable event sample to Au+Au) becomes available before the 2002 shutdown, a dedicated d+Au run with the current detectors should be performed; if only a few weeks become available, short runs with different nuclear species and/or energies should be undertaken.

30 November–1 December 2000

R16 (J. Harris): STAR Barrel Electromagnetic Calorimeter Spin and High $P_T$ Proposal. Deferred, pending technical review.

BRAHMS, PHENIX, Phobos, and STAR presented their Beam Use Proposals to the PAC. The following priorities were established:

1. The RHIC operating periods for FY01 and FY02 are combined into one continuous cryogenic operating period commencing cooldown on May 1, 2001 and anticipating first collisions about May 21 2001;

2. The sequence of RHIC colliding beams will be: $\sim$12 weeks of Au+Au at the highest energy (nominally 200 A-GeV), and $\sim$5 weeks of polarized protons at the nominal 100 GeV tune, followed by additional runs to explore the energy and ion size dependence.

23-25 March 2000

P952 (P.Cushman) An Improved Limit on the Muon Neutrino Mass from Pion Decay in Flight. Scientific Approval.
P954 (B. Nefkens, R. Peterson, A. Starostin): $2\pi^0$ Production on Complex Nuclei by $\pi^-$. Rejected.
R8 revised (A. Krisch): Spin@RHIC. Rejected.

24-25 May 1999

P951 (K. McDonald): An R&D Program for Targetry and Capture at a Muon-Collider Source. Recommended for consideration by the Muon Collider Oversight Group (MCOG), which subsequently recommended approval. Approved as E951 on 1 October 1999.
8-9 October 1998

E923 (R. Adair, M. Diwan, H. Ma): Search for T-Violating Muon Polarization in $K_{\mu 3}$ Decay. **Scientific approval continued.**
E936 (J. Imazato): Search for T-Violation in the Decay $K^+ \rightarrow \pi^0 \mu^+ \nu$ Decay Using Stopped Kaons. **Scientific approval withdrawn.**
E948 (E. Stephenson): Investigation of Charge Exchange Scattering for RHIC Polarimetry. **Approved.**
P949 (D. Bryman, S. Kettell, S. Sugimoto): An Experiment to Measure the Branching Ratio $B(K^+ \rightarrow \pi^+ \nu \bar{\nu})$. **Approved.**
P950 (D. Fields): A Proposal to Measure the Analyzing Power for Proton-Carbon Elastic Scattering in the Coulomb-Nuclear Interference Region at the RHIC Transfer Energy. **Approved.**
R10 (J. Sandweiss): Measurement of Bremsstrahlung and Charge Stopping in Central RHIC Collisions. **Rejected.**
R11 (J. Harris): Endcap Electromagnetic Calorimeter for Spin Physics at STAR. **Approved.**
R12 (J. Harris): Silicon Strip Detector for STAR. **Approved.**

23-24 October 1997

P931 update (J. Gerald, E. Hungerford, V. Zeps): A Study of the $\Delta I = 1/2$ Rule in the Weak Decay of S-Shell Hypernuclei. **Approved.**
P940 (W. Molzon): Muon-Electron Conversion (MECO). **Scientific Approval.**
P941 (H. Huang, R. Majka): Study of Charged and Neutral Leading Particles in p+A Collisions in the BNL AGS. **Approved.**
P942 (R. Peterson, H. Staudenmaier): Nuclear Physics with the Crystal Ball. **Rejected.**

28 February–1 March 1997

E900 extension (K. Kwiatkowski, V. Viola): Heating Nuclei with Antiprotons. **Approved.**
P936 (J. Imazato): Search for T-Violation in the $K^+ \rightarrow \pi^0 \mu^+ \nu$ Decay Using Stopped Kaons. **Scientific Approval.**

30 September–2 October 1996

P923 (R. Adair, M. Diwan, H. Ma): Search for T-Violating Muon Polarization in $K_{\mu 3}$ Decay. **Scientific Approval.**
P924 (D. Hertzog): Study of the $\xi(2220)$ in $\bar{p}p \rightarrow$ Neutral Final States Using the Crystal Ball in the AGS D6 Line. **Scientific Approval.**
P925 (Y. Makdisi, A. Yokosawa): Asymmetries in Inclusive Pion Spectra at Large $X_F$ (0.5 to 0.8) and $P_t \geq 0.8$ GeV/c. **Approved.**
P926 (L. Littenberg): Measurement of $K_L \rightarrow \pi^0 \nu \bar{\nu}$. **Scientific Approval.**
P927 (T. Kycia, B. Nefkens): Measurement of the $K_{\mu 3}$ Decay Rate and Spectrum. **Deferred.**
P928 (M. Ieri, K. Imai): $\Xi^-p$ Scattering Experiment. **Rejected.**
P929 (T. Kishomoto): Spin-Orbit Splitting of Single $\Lambda$ State Studied by the $^{13}C(K^-, \pi^-\gamma)$ Reaction. **Approved.**
P930 (H. Tamura): High-Resolution $\gamma$ Spectroscopy of Hypernuclei Using Large Acceptance Germanium Detector. **Approved.**
P931 (J. Gerald, E. Hungerford, V. Zeps): A Study of the $\Delta I = 1/2$ Rule in the Weak Decay of S-Shell Hypernuclei. **Deferred.**