

PHENIX Decadal R&D Workshops

To begin exploring the most promising technologies to support the PHENIX upgrades plans for the next decade, as outlined in the recently completed PHENIX Decadal Plan,

http://www.phenix.bnl.gov/phenix/WWW/docs/decadal/2010/phenix_decadal10_full_refs.pdf

Calorimetry - Tuesday Dec. 14, 2010 - 8:30am - 6:00pm

• Conveners: Craig Woody (woody@bnl.gov), Edward Kistenev (kistenev@bnl.gov)

Tracking - Wednesday Dec. 15, 2010 - 8:30am - 6:00pm

• Conveners: Tom Hemmick (hemmick@skipper.physics.sunysb.edu), Rachid Nouicer (rachid.nouicer@bnl.gov)

PID - Thursday Dec. 16, 2010 - 8:30am - 6:00pm

• Conveners: Mickey Chiu (chiu@bnl.gov), Elke Aschenauer (elke@rcf2.rhic.bnl.gov)

https://wiki.bnl.gov/PHENIX/index.php/PHENIX_Decadal_R%26D_Workshops

Charge for the Workshops

Each group will report at the January collaboration meeting (Also break-out groups at that meeting)

Out of each group should come one or more R&D proposals that should be submitted to Mike Leitch and Ed O'Brien to obtain RHIC R&D funding on a timescale of late January to early February.

Collect (straw man) physics-based performance requirements, including those already written down in the Decadal Plan, and will extend those to areas not yet covered.

Each day an "open-mike" session allowing last-minute topics to be presented by anyone

Key/prioritized questions to discuss and address for each day

- include "back-of-the-envelope" estimates to the workshop to catalyze discussion of what will work and what might not

PHENIX Internal Detector R&D Proposal and Review Process

Scope

- Develop an effective plan for competition for and allocation of detector R&D funds that advances the PHENIX future physics program in alignment with the Decadal Plan
- Not intended for maintenance or refurbishment

Schedule

- Call for proposals - Jan collaboration meeting
- Proposal deadline - mid Feb (proposals available to collaboration)
- (Open) Review - end Feb, by (mostly) internal committee

Charge (proposal to be 10 pages max - rejected if longer!)

- Relevance to Decadal plan; context for physics goals
- Deliverable (e.g. prototype board, detector; test beam result)
- Soundness of plan and schedule; assessment of risk
- Budget estimate & detailed justification; other sources of funding
- Competence and size of team

Funding

- \$200-300k/year total (Ed holds ~\$100k in reserve)
- Committee should give an ordered list with recommended allocation for each project
- PHENIX PM will decide on final ordering and total allocation cutoff (leaving some reserves, and consistent with maintenance/refurbishment needs)

Practical Matters

Refreshments - coffee, snacks

Funding from everyone's contribution; Implementation by Brant

Venue:

- RACF Conference Room, bldg 515, top of stairs
- EVO - see Wiki for info

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Corus wireless connection - registration on web 1st time you connect