

PHY Mid Scale Briefing

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DD/PHY

Background

- PHY midscale program is new in FY 2014
- Evolved from Accelerator Physics and Physics Instrumentation (APPI) program to meet community demand for midscale project funding
 - TPC > \$4M MRI cap and \$ < MREFC threshold
- NSF 14-116 Dear Colleague Letter: Opportunity to Request Instrumentation Funding for Midscale Level Instrumentation in Physics Division

Features

- Selection based on merit review of unsolicited proposals submitted to disciplinary program representing exceptional opportunity and of high priority to research community
- Excludes:
 - planning and development funding for future midscale and MREFC candidates
 - O&M for facilities and funds for utilization of constructed/acquired infrastructure
 - educational outreach

Features (cont'd)

- Awards are one-time only, non-renewable
- May be used for construction or
off-the-shelf purchases
- Think of as Capital Investments in Projects
- Open to all areas of physics within purview of
Physics Division

Status

\$7.3M awarded in FY14

Currently Funded Projects:

Phase-I Upgrades of ATLAS, CMS

Upgrade of LHCb

Xenon1T

Neutron edm

SPT (Contribution to award in
Polar Programs)