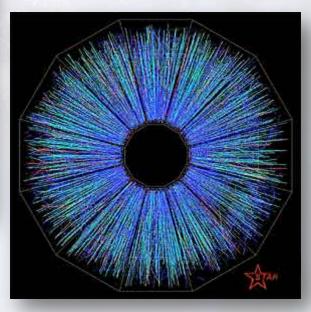
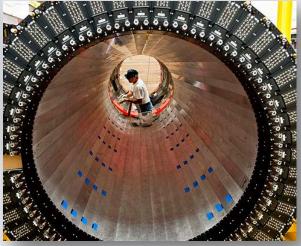


Mathematical and Physical Sciences Directorate Nuclear Science Advisory Committee

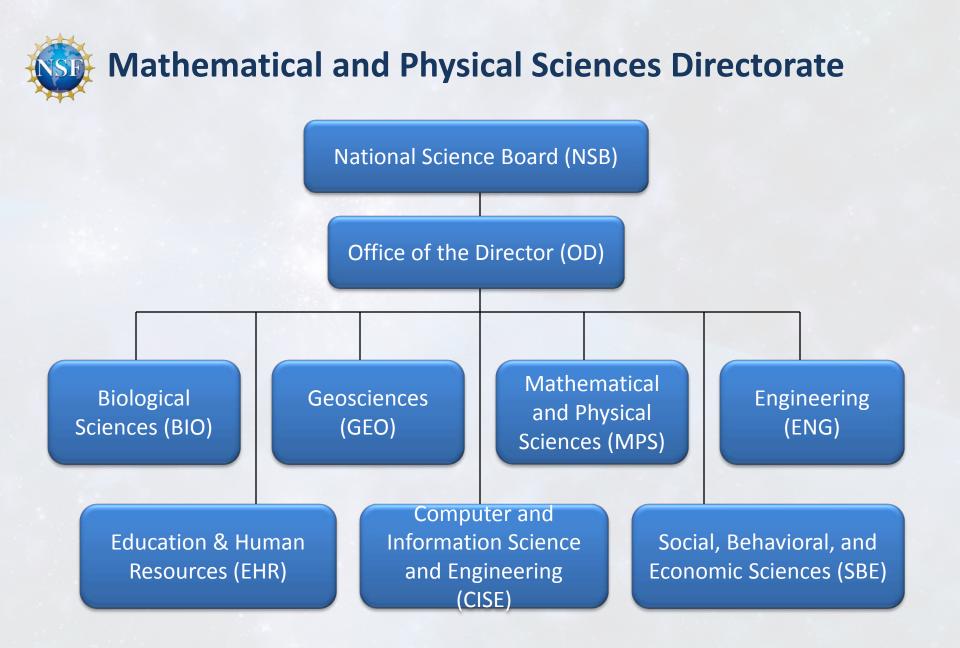


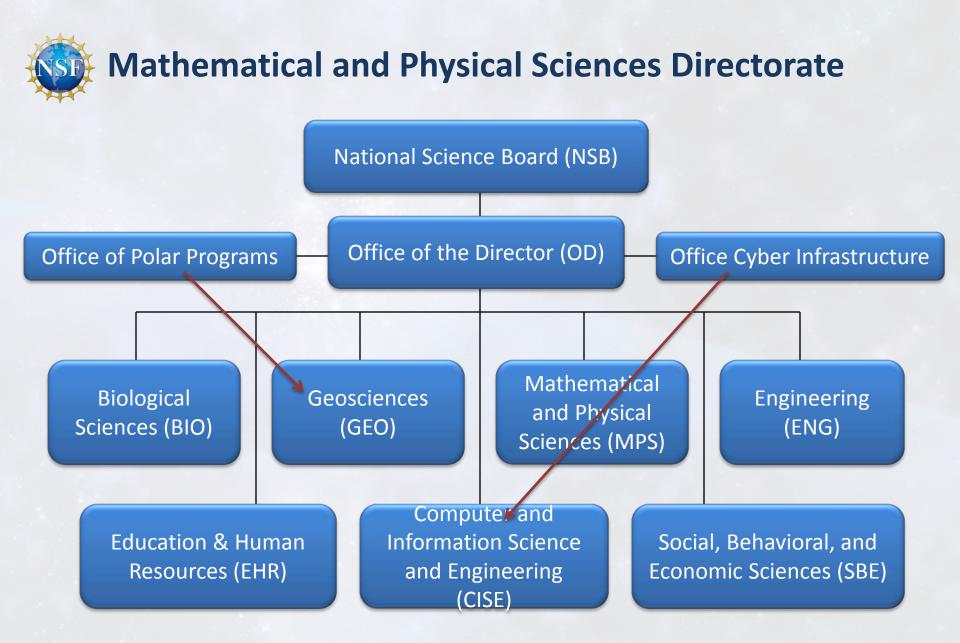
December 19, 2013

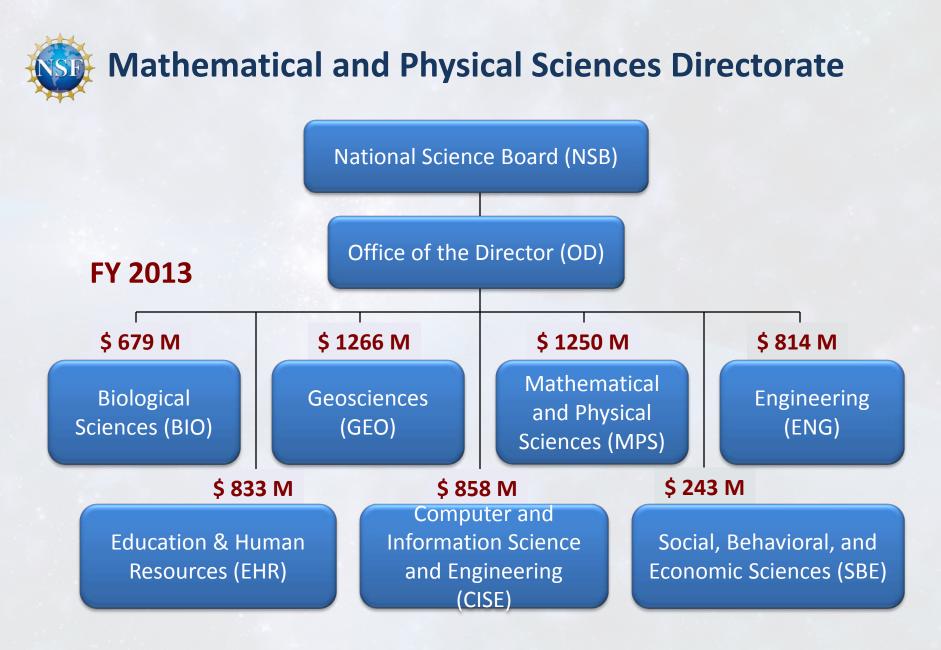


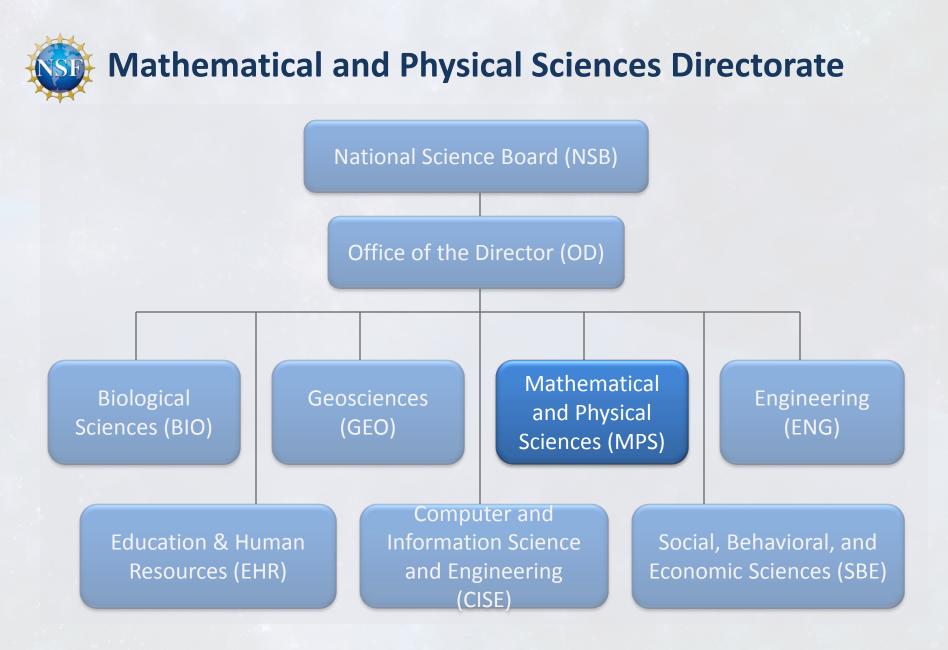


F. Fleming Crim Assistant Director National Science Foundation



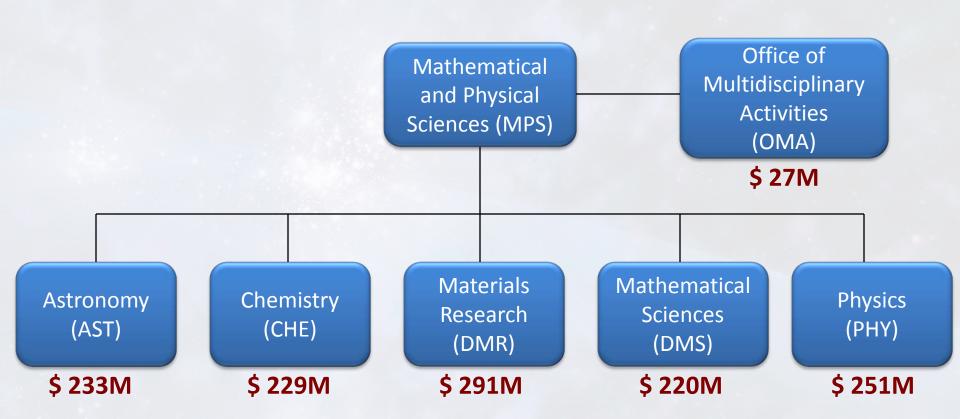




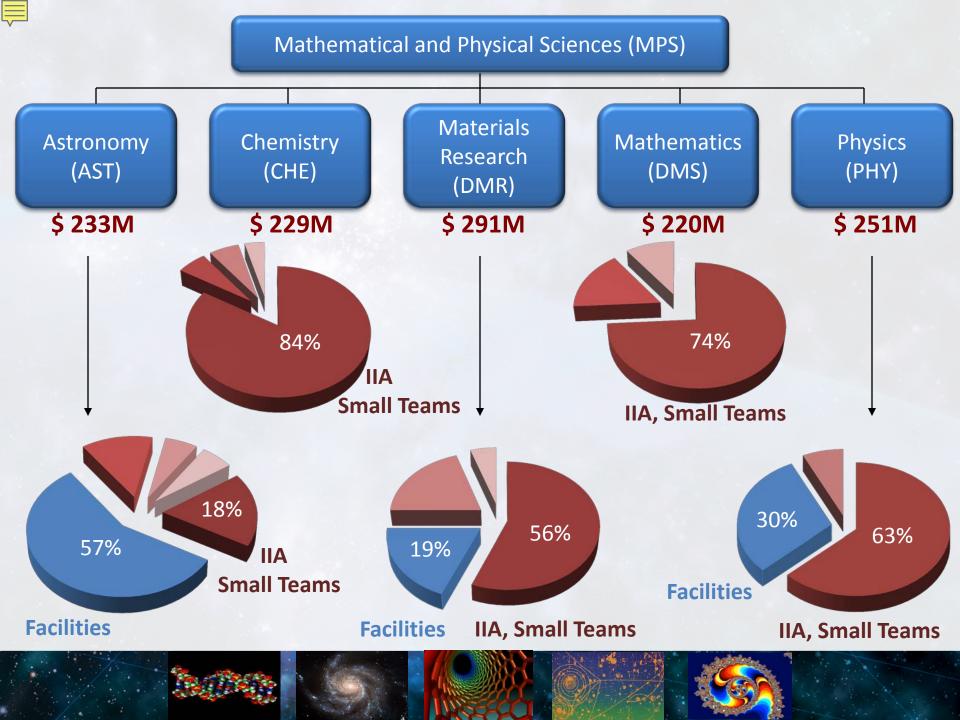


Mathematical and Physical Sciences (MPS)





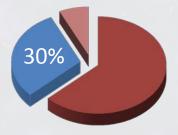
FY 2013: \$ 1250M



Astronomy (AST)

Advanced Technology Solar Telescope (ATST)

- Arecibo Observatory
- •Atacama Large Millimeter Array (ALMA)
 - Gemini Observatory
 - •Large Synoptic Survey Telescope (LSST)
- National Optical Astronomical Observatory (NOAO)
- National Radio Astronomy Observatory (NRAO)
 National Solar Observatory (NSO)



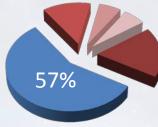
Physics (PHY)

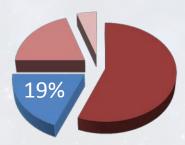
- Ice Cube Neutrino Observatory
- •Large Hadron Collider (LHC)
- •Laser Interferometer Gravity-wave Observatory (LIGO)
 - •National Superconducting Cyclotron Laboratory (NSCL)

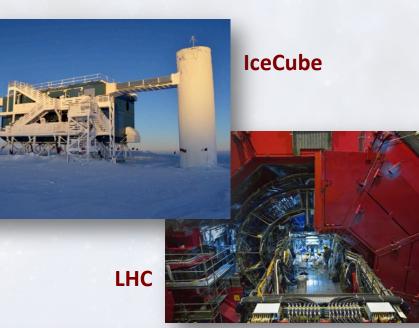
Materials Research (DMR)

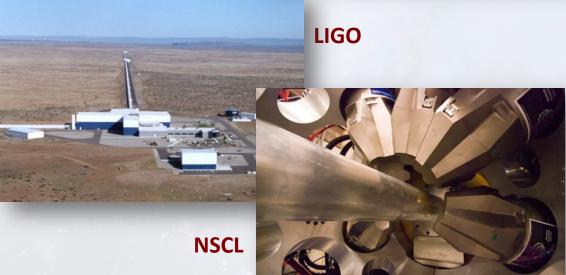
Cornell High Energy
Synchrotron Source (CHESS)
National High Magnetic
Field Laboratory (NHMFL)
National Nanotechnology

Infrastructure Network (NNIN)







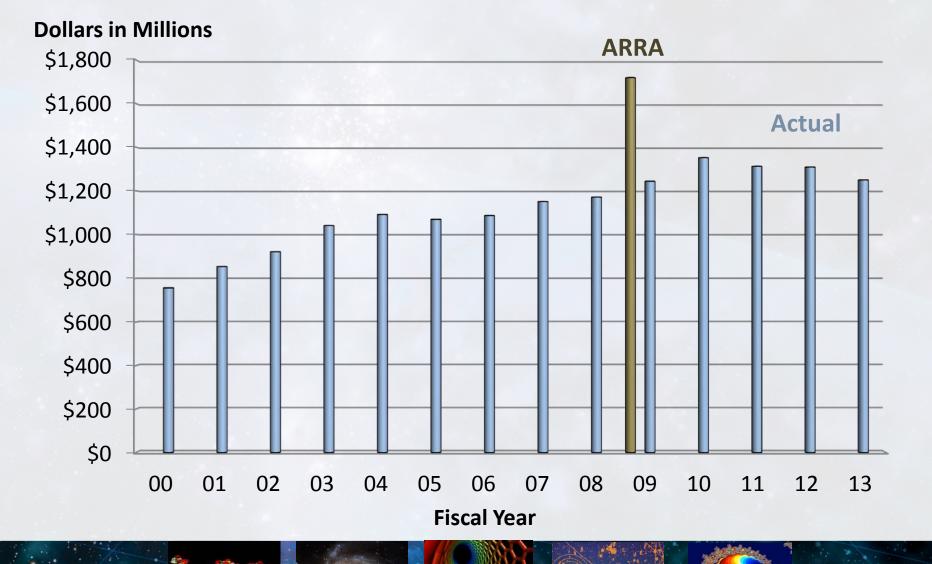


30%

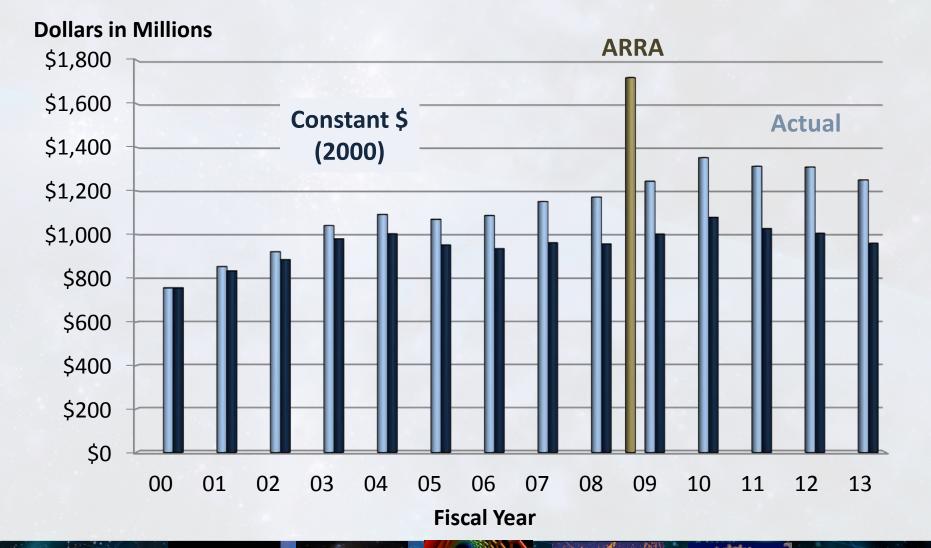
Physics (PHY)

Ice Cube Neutrino Observatory
Large Hadron Collider (LHC)
Laser Interferometer Gravity-wave Observatory (LIGO)
National Superconducting Cyclotron Laboratory (NSCL)

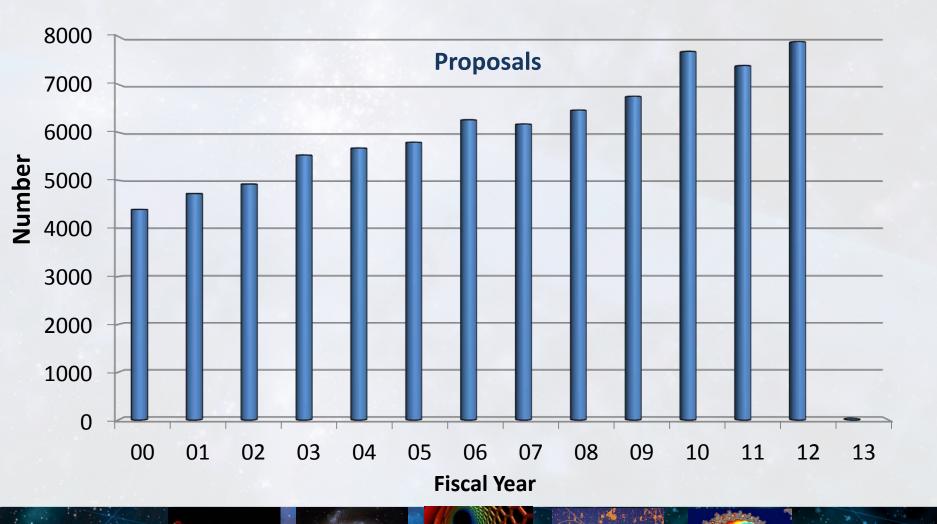
Funding remains "flat" for MPS...



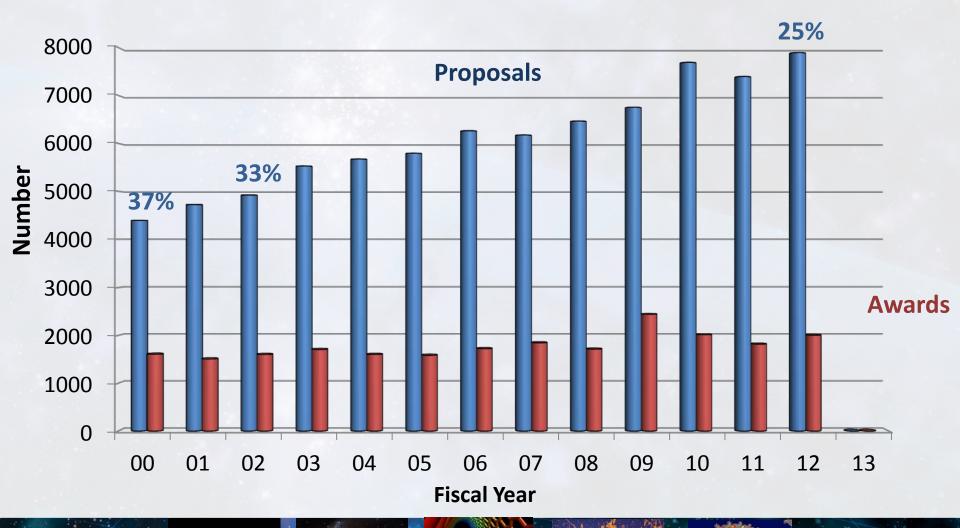
Funding remains "flat" for MPS...



... while the number of proposals rises ...

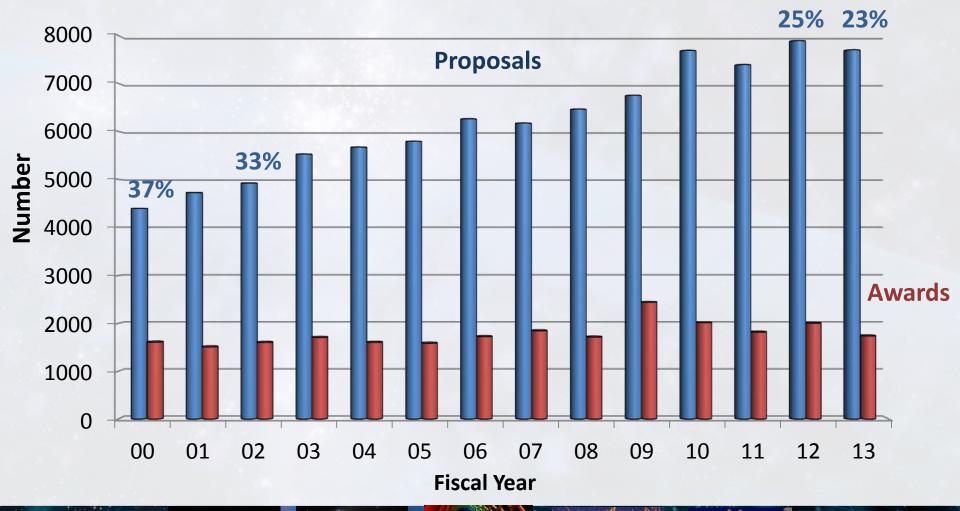


... while the number of proposals rises ...

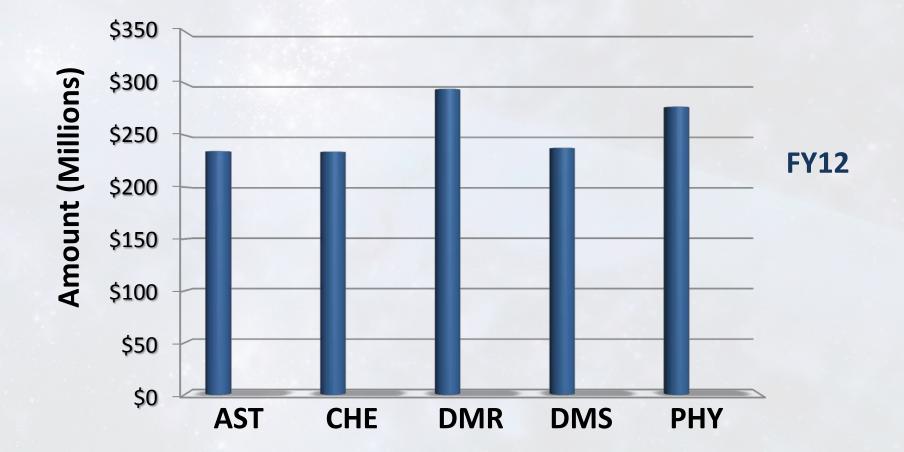


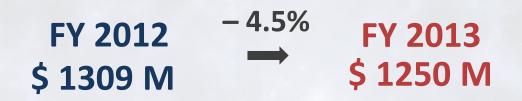
... and sequestration reduces the number of awards

(258 fewer in FY 2013)

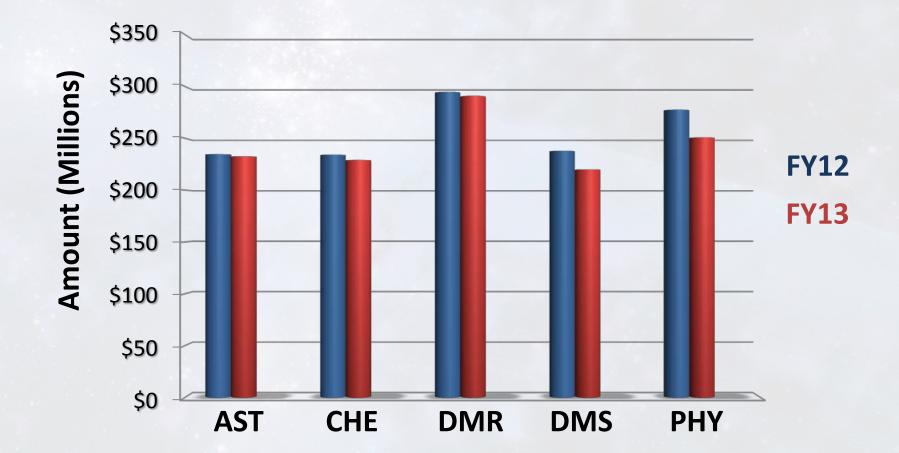


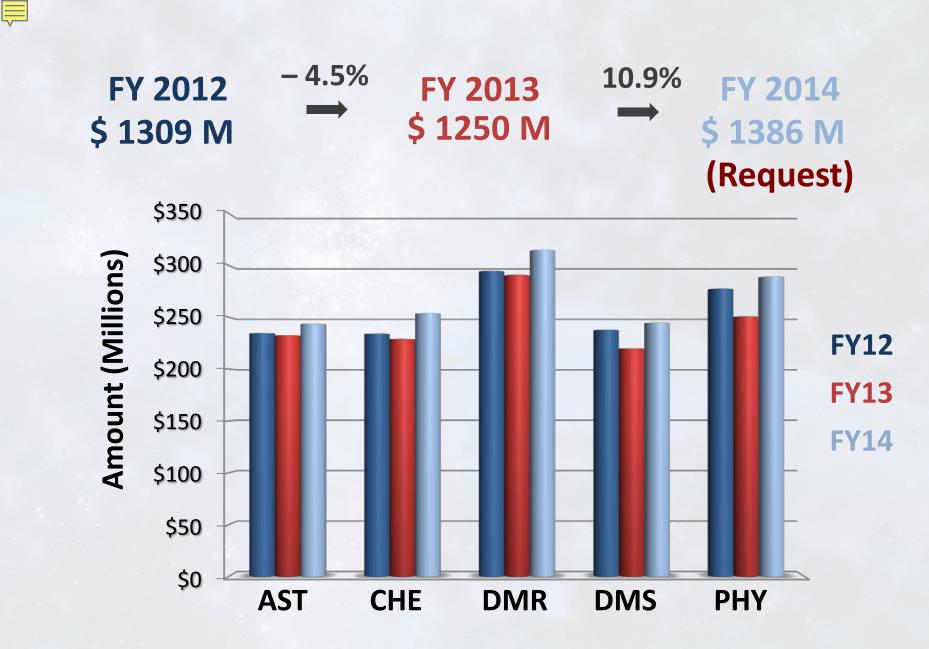
FY 2012 \$ 1309 M





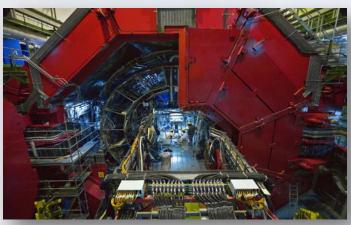
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Major Research Equipment and Facilities Construction (MREFC)

- Near-term budget committed
- Longer-term projects must be compelling for the Foundation and the science
 - Operation costs in future years