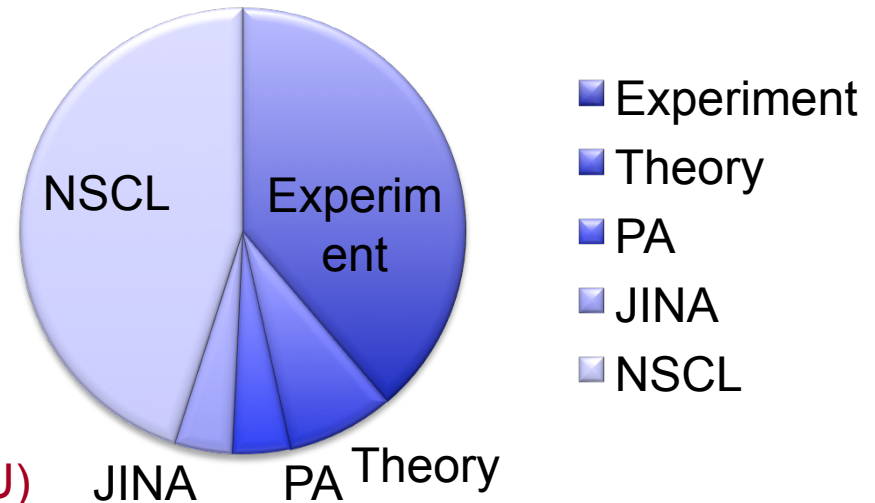
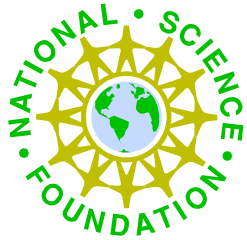


Nuclear Physics at NSF

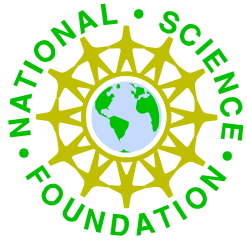
- NP Experiment
 - Structure
 - Heavy Ions
 - Symmetries
 - Hadrons and QCD
 - Astrophysics (Notre Dame, FSU)
- NP Theory
- Particle Astrophysics and Non-Accelerator Physics (PA)
 - Neutrinos (Borexino, $\beta\beta$, θ_{13})
- Frontier Center (Joint Institute for Nuclear Astrophysics)
- NSCL
- FY2012 total: \$47.7M





FY2013 Status

- Continuing Resolution through March, 2013
- R&RA Appropriation
 - FY2011: \$5,141B
 - FY2012: \$5,203B
 - FY2013 request: \$5,453B
 - FY2013 House: \$5,417B
 - FY2013 Senate: \$5,363B



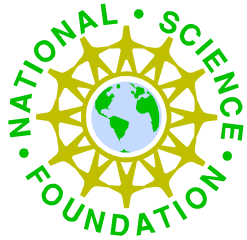
FY2013 R&RA Budget Request

R&RA Funding

(Dollars in Millions)

	FY 2011	FY 2012	FY 2013	Change over	
				FY 2012 Estimate	
				Actual	Estimate
Biological Sciences	\$712.27	\$712.38	\$733.86	\$21.48	3.0%
Computer & Information Science & Engineering	636.06	653.59	709.72	56.13	8.6%
Engineering	763.33	826.17	876.33	50.16	6.1%
Geosciences	885.32	885.27	906.44	21.17	2.4%
Mathematical & Physical Sciences	1,312.42	1,308.94	1,345.18	36.24	2.8%
Social, Behavioral & Economic Sciences	247.33	254.25	259.55	5.30	2.1%
Office of Cyberinfrastructure	300.75	211.64	218.27	6.63	3.1%
Office of International Science & Engineering	49.03	49.85	51.28	1.43	2.9%
Office of Polar Programs ¹	440.70	435.87	449.74	13.87	3.2%
Integrative Activities	259.60	349.59	431.52	81.93	23.4%
U.S. Arctic Research Commission	1.58	1.45	1.39	-0.06	-4.1%
Total, R&RA	\$5,608.38	\$5,689.00	\$5,983.28	\$294.28	5.2%

Totals may not add due to rounding.

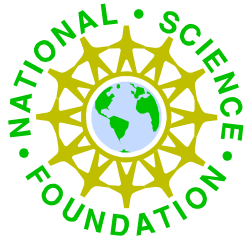


FY2013 MPS Budget Request

MPS Funding

(Dollars in Millions)

	FY 2011 Actual	FY 2012 Estimate	FY 2013 Request	Change Over FY 2012 Estimate	
				Amount	Percent
Division of Astronomical Sciences (AST)	\$236.78	\$234.55	\$244.55	\$10.00	4.3%
Division of Chemistry (CHE)	233.55	234.06	243.85	9.79	4.2%
Division of Materials Research (DMR)	294.91	294.55	302.63	8.08	2.7%
Division of Mathematical Sciences (DMS)	239.79	237.77	245.00	7.23	3.0%
Division of Physics (PHY)	280.34	277.37	280.08	2.71	1.0%
Office of Multidisciplinary Activities (OMA)	27.06	30.64	29.07	-1.57	-5.1%
Total, MPS	\$1,312.42	\$1,308.94	\$1,345.18	\$36.24	2.8%



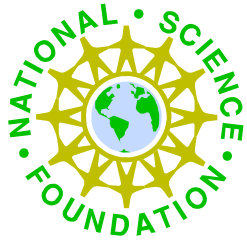
FY2013 Physics Division Budget Request

PHY Funding

(Dollars in Millions)

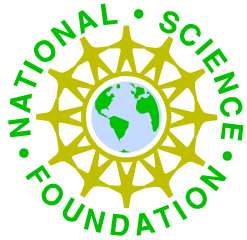
	FY 2011 Actual	FY 2012 Estimate	FY 2013 Request	Change Over FY 2012 Estimate	
				Amount	Percent
Total, PHY	\$280.34	\$277.37	\$280.08	\$2.71	1.0%
Research	179.03	193.68	196.29	2.61	1.3%
<i>CAREER</i>	7.42	7.01	7.11	0.10	1.4%
<i>Centers Funding (total)</i>	3.58	1.14	1.14	-	-
<i>Nanoscale Science & Engineering Centers</i>	0.96	1.14	1.14	-	-
<i>STC: Cntr. for Bio. Sci. & Tech.</i>	2.62	-	-	-	N/A
Education	9.62	5.34	5.34	-	-
Infrastructure	91.69	78.35	78.45	0.10	0.1%
<i>Large Hadron Collider (LHC)</i>	18.00	18.00	18.00	-	-
<i>Laser Interferometer Grav. Wave Obs. (LIGO)</i>	30.30	30.40	30.50	0.10	0.3%
<i>Nat'l Superconducting Cyclotron Lab. (NSCL)</i>	21.50	21.50	21.50	-	-
<i>IceCube</i>	3.45	3.45	3.45	-	-
<i>DUSEL</i>	10.19	-	-	-	N/A
<i>Research Resources</i>	8.25	5.00	5.00	-	-

Totals may not add due to rounding.



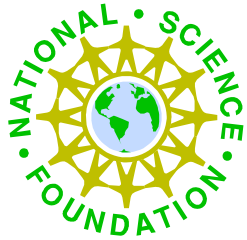
Additional Funding

- Domestic Nuclear Detection Office (DNDO)
 - FY2012 process canceled (no DHS funds)
- Major Research Instrumentation (MRI)
 - Norfolk State University
 - Kent State University
 - James Madison University
 - Michigan State University
 - **total: \$991K**

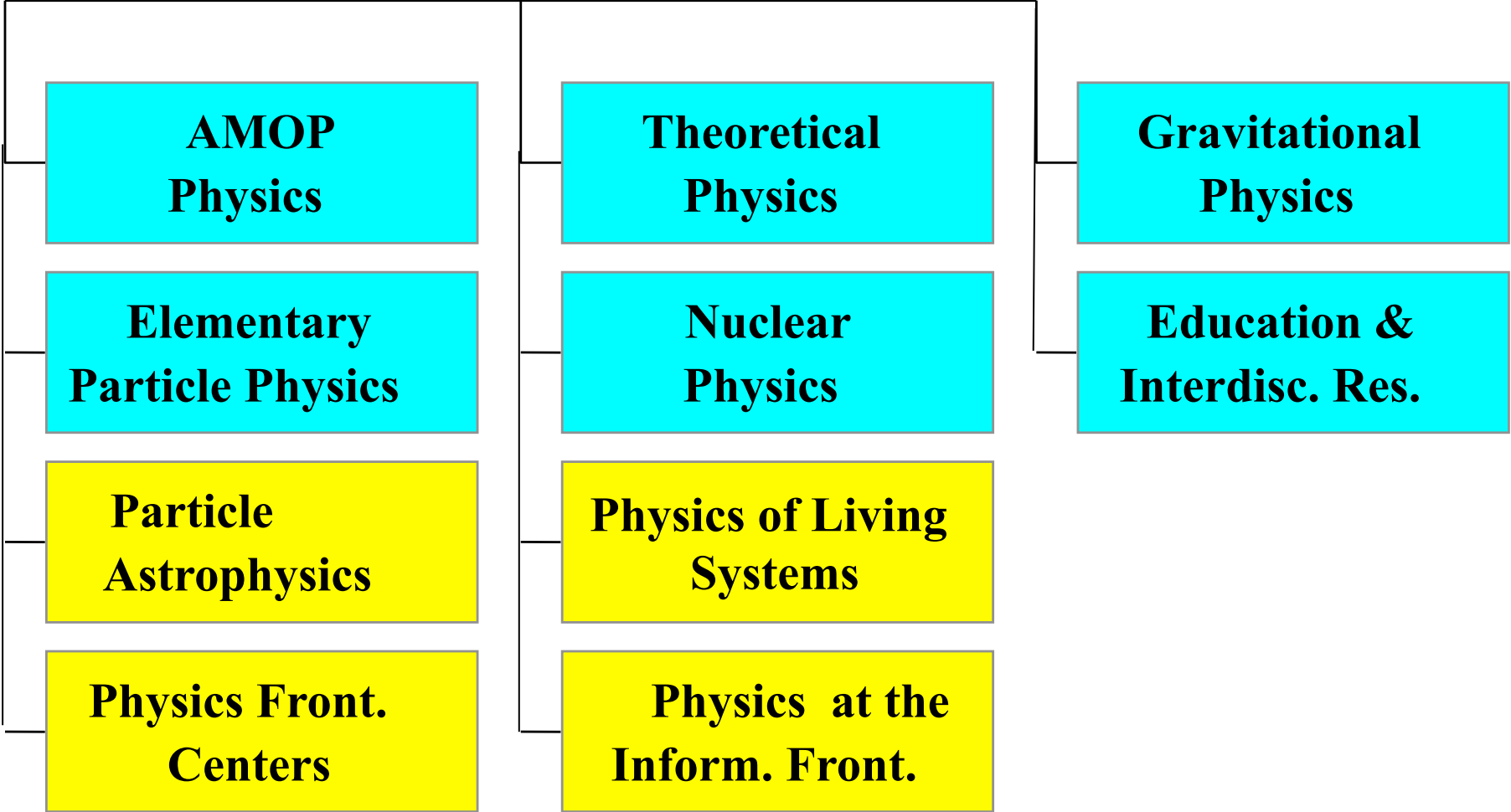


People

- NSF Director: Subra Suresh
- NSF Deputy Director: Cora Marrett
- MPS Acting Assistant Director: Celeste Rohlifing
- Physics Acting Division Director: Denise Caldwell
- Nuclear Physics:
 - BDK (expt and theory)
 - Gail Dodge (and astro, underground)



Division of Physics



September 21, 2012

NSAC Meeting