



The RHIC Spin Program

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The Medium Energy Subprogram



- Facilities:
 - TJNAF – received CD-1 for 12 GeV Upgrade
- Support Seven Laboratory Research Groups:
 - TJNAF
 - ANL: Medium Energy(TJNAF, Hermes, ATTA), HE (RHIC-spin)
 - BNL: RHIC-spin, LEGS
 - LANL: MiniBooNe, RHIC-spin
- Manage ~42 University grants
 - ~ 75 Faculty / Staff
 - ~ 50 Post Docs
 - ~ 100 Graduate Students
 - ~ 60 Undergraduate Students



Medium Energy Science Program



- QCD with Electron Beams:
 - TJNAF
 - LEGS *expecting to complete pion production data in 2006*
 - MAMI
 - HIGS
- QCD with Proton Beams:
 - RHIC-spin program *congratulations to everyone on such a successful spin run so far!*
- Precision Measurements:
 - ATTA (charge radius of ${}^6,{}^8\text{He}$) *0.7% determination of ${}^6\text{He}$ radius*
 - MiniBooNe (sterile neutrino) *results expected this summer*
 - PSI (muon capture) *hope to collect 10^{10} events by end of 2006 (1%)*
 - TWIST (Michel parameters) *first results yield 2X improvement of $P_{\mu\xi}$*



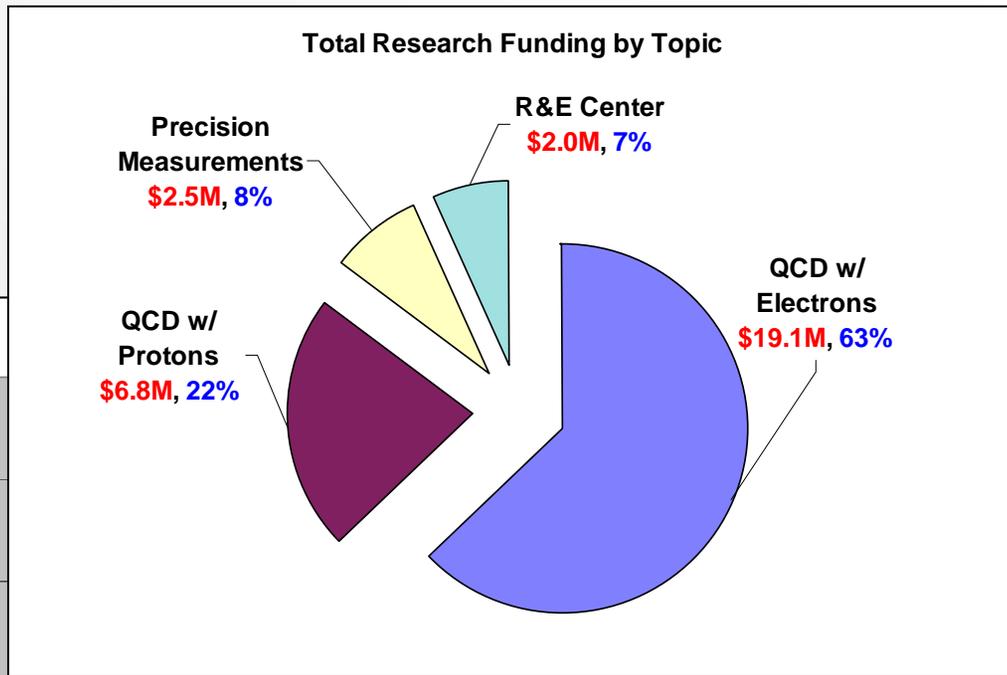
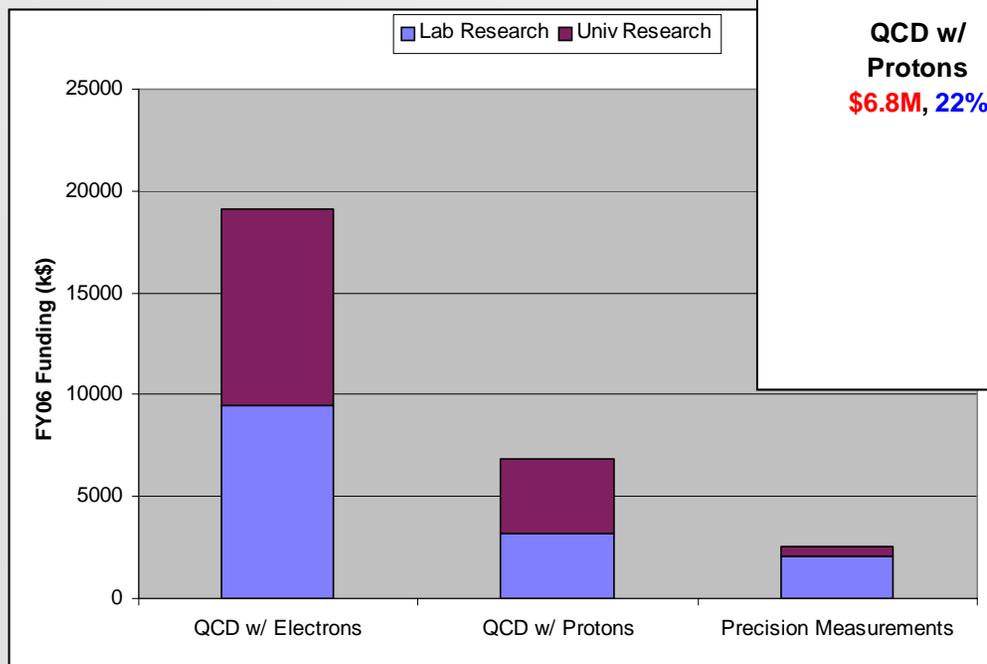
Medium Energy Budget Breakout



	FY05	FY06	Change (Rel. FY05)	FY07 (PB)	Change (Rel. FY05)
ME Total Funding	110994	101196	-8.8%	115284	3.9%
Research Funding	30346	30465	0.4%	34305	13.0%
University Research	15283	15786	3.3%	18102	18.4%
QCD w/ Electrons	10647	9655	-9.3%	11373	6.8%
QCD w/ Protons	4132	3678	-11.0%	4386	6.1%
Prec. Measurements	505	452	-10.5%	343	-32.0%
MIT R&E Center		2000		2000	
Laboratory Research	15063	14679	-2.5%	16203	7.6%
QCD w/ Electrons	9655	9463	-2.0%	10380	7.5%
QCD w/ Protons	3145	3147	0.1%	3673	16.8%
Prec. Measurements	2263	2069	-8.6%	2150	-5.0%
JLAB Operations	70215	62230	-11.4%	73061	4.1%



FY06 Research Funding by Program





Summary



- FY2006 was a difficult year, but we survived thanks to the cooperation of everyone in the community.
- Conducted a review of all of the ME Lab research groups in May. This will help determine future funding decisions for these laboratory groups.
- The LEGS experimental program will be ending in FY2007.
- The FY2007 PB will allow the ME program to restore the RHIC-spin and JLAB effort to FY2005 levels.
- The PB provides a substantial increase for the RHIC-spin BNL research group.