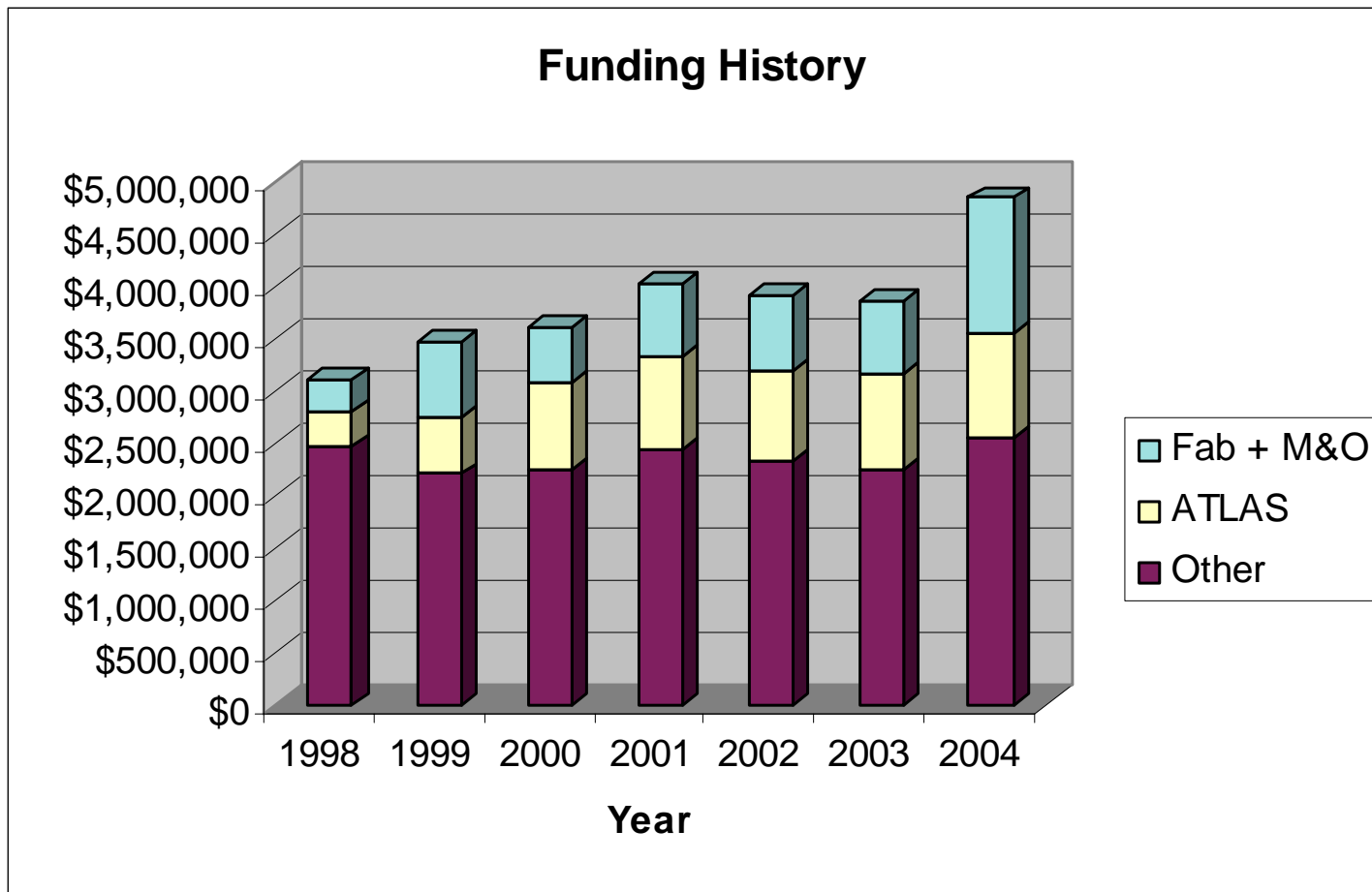


HEP Community

- DoE, NSF, & NASA supported groups
 - Services: 3 secretaries, 3 electronics engineers
 - ATLAS: 7 faculty, 8 scientists, 3 technicians
 - CDF: 4 faculty (2 overlap), 4 scientists, 7 GS
 - D0: 3 faculty (2 overlap), 3 scientists, 3 GS
 - Ligo: 2 faculty, 1 scientist, 1 GS
 - Boone: 2 faculty, 1 GS
 - SNAP: 5 faculty (1 overlap), 1 scientist, 1 engineer
 - Spin: 2 faculty, etc



Recent Funding



January 8, 2004

Base Program Activities & Plans for ATLAS

Role in ATLAS

- Construction of 80 large MDT chambers
- On-chamber electronics (readout mux)
- Chamber & electronics certification
 - US Leadership in H8 & X5 commissioning
 - Diagnosed/resolved majority of readout issues
 - Developed certification test fixtures
 - Major & key role at CERN (residency chart)
 - Faculty sabbaticals (Zhou & Chapman)



Role in ATLAS (continued)

- Software coordination & development
 - Muon coordination (Goldfarb at CERN)
 - Muon simulation & tracking
- GRID Computing & Networking
 - GRID test bed (Shawn McKee)
 - US ATLAS networking
- Collaboratory tools development



CERN Residency Schedule

Residency for 2004																																									
	January				February				March				April				May				June				July				August				September				October				
	5	12	19	26	2	9	16	23	1	8	22	29	5	12	19	26	3	10	17	24	7	14	21	28	5	12	19	26	2	9	16	23	30	6	13	20	27	4	11	18	25
Zhengguo Zhao	[Dark Blue]																																								
Edward Diehl	[Green]																																								
Daniel Levin	[Brown]																																								
Shawn McKee	[Purple]																																								
Bing Zhou	[Orange]																																								
Helmut Schick	[Grey]																																								
Curtis Weaverdyck	[Red]																																								
Jeffrey Gregory	[Light Blue]																																								
Jay Chapman	[Yellow]																																								
Rudi Thun	[Purple]																																								
Homer Neal	[Grey]																																								
Robert Ball	[Pink]																																								
Reza Farsian	[Blue]																																								
Alan Wilson	[Dark Green]																																								
Binyuan Zhang	[Light Green]																																								
Li Zhou	[Teal]																																								
ATLAS Week	[Black]																																								
Software Week	[Grey]																																								

Note: We are committed to this level, if funded! For 2005 the situation is similar. For the following years postdocs and students will replace technicians.



January 8, 2004

Base Program Activities & Plans for ATLAS

Future Plans

- Certification & commissioning at CERN
- Expanded faculty as CDF & D0 phasedown
 - Campbell, Qian, Amidei, & others??
- Migrate construction team to analysis
 - Technicians (2) to postdocs for commissioning
 - Engineers to science (Diehl, Dai, Levin, Zhao)
- Graduate students to commissioning team
- Phased retirement (J. Chapman) in 2007/8



Critical Issues

- Continued support for “one-shot funding”
- Ensure adequate travel support for Physicist
- Full computing support for ATLAS analysis
- Migrate/convert construction team to commissioning & onto focused analysis
- Support for graduate students when timely
 - Want students in 2006 to gain startup experience
 - In special case, perhaps one, in 2004 (software)
- Target goal of 1 postdoc/scientist per faculty
- Target goal of 1 graduate student per PhD

