RHIC 5 Year Planning – Constant Effort
Summary 9/15/03
Running Modes

Fiscal Year	2003	2004	2005	2006	2007	2008
PHENIX	d+Au 200 GeV 16 weeks, 2.7 nb-1 p+p 200 GeV 10 weeks, 0.35 pb-1, 27%	Au+Au 200 GeV 5+14 weeks, 123 ub-1 p+p 200 GeV 5+0 weeks beam development	Si+Si 200 GeV 5+9 weeks, 2.2 nb-1 p+p 200 GeV 5+5 weeks, 1.2 pb-1 50%	Au+Au 62.4 GeV 5+19 weeks, 45 ub-1	p+p 200 GeV 5+19 weeks, 62 pb-1 60%	Au+Au 200 GeV 5+19 weeks, 840 ub-1
STAR	d + Au 38.2M 5+11 weeks ; pp 10 weeks : T 0.39 pb^{-1} L 0.37 pb^{-1}	AuAu 5+14 pp 200 GeV 5 wk	Au or Fe 5+9 Energy scan pp 200 GeV 5+5 wk	d + Au 5+9 pp 200 GeV 5+5 wk	AuAu 5+5 pp 200 GeV 5+9wk	AuAu 5+10 pp 500 GeV 5+5wk
PHOBOS		AuAu@200 5+10(18) FeFe@200 5+4(6)	pp@200 5+7(12) AuAu@63 5+7(12)	pp@500 8+4 Add. Species Add. Energy	Possible additional running to make up shortfalls	----------
BRAHMS		Au-Au 200 5+19	Fe-Fe 200 5+5 pp 200 5+4	Au-Au 63 2+6 Au-Au 200 2+5 pp 200 5+4	----------	----------

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Budgets

Fiscal Year	2003	2004	2005	2006	2007	2008
PHENIX						
Ops Costs	$6.0M (24K/wk)	6.3M (27K/wk)	6.6M (42K/wk)	6.8M (42K/wk)	7.1M (42K/wk)	7.4M (42K/wk)
R&D	$0.22M	1.15M	0.95M	0.6M	---	---
Ops Equip.	$0.5M	0.5M	0.5M	0.5M	0.5M	0.5M
Res. Equ.			2.85M VTXb, HBD, DAQ	2.95M VTXb, HBD, DAQ	4.2M VTXb/e, TPC, DAQ	4.5M VTXe, TPC
STAR						
Ops Costs	$5.9M (38K/wk)	6.4M (40K/wd)	6.7M (41K/wk)	7.0M (43K/wk)	7.3M (45K/wk)	7.6M (47K/wl)
R&D	$0.12M	1.14M	1.73M	1.28M	0.3M	---
Ops Equip.	$0.49M	0.6M	0.45M	0.45M	0.25M	0.25M
Res. Equ.	$3.0M BEMC [$1.5M EEMC]	2.7M BEMC, EEMC	2.0M TOF	5.0M TOF, MVTX, FTU	8.5M MVTX, DAQ, FEE, FTU	4.5M MVTX, DAQ, FEE, TPC
PHOBOS						
Ops Costs	$0.86M (10K/wk)	0.89M (13K/wk)	0.92M (13K/wk)	0.96M (14K/wk)	1.0M (14K/wk)	----------
Ops Equ.		0.1M	0.1M	0.1M	----	
BRAHMS						
Ops Costs	$0.6M? (10K/wk)	0.6M? (10K/wk)	0.6M? (10K/wk)	0.6M? (10K/wk)	----------	----------
Ops Equ.		0.11M	0.1M	0.075M		
Totals						
Ops costs	$13.4M	$14.2M	$14.8M	$15.4M	$15.4M	$15.0M
R&D	$0.3M	$2.3M	$2.7M	$1.9M	$0.3M	---
Ops Equip.	$1.0M	$1.3M	$1.15M	$1.1M	$0.75M	$0.75M
Res. Equ.	$3.0M	$2.7M	$4.85M	$7.95M	$12.7M	9.0M
Incr. Cost	$82K/wk	$90K/wk	$106K/wk	$109K/wk	$103K/wk	$89K/wk