

# Collimator

- Mech design (Markiewicz)
- Simulations (Mokhov)
- RHIC Ions benchmark codes (Drees)
- Commissioning (Still/Drees)

~~Elect~~

- Collimation system design (Mokhov)  
(Workshop in ~~Paris~~ <sup>Reuven</sup>)

# Electron Cloud

- Theory <sup>Simulation</sup> (Furman) + Katsouleas also involved
- Data from RHIC (Drees)
- Commission at CERN (Drees)

# IR Design (upgrade)

- Beam-beam effects  
including wire compensation (Sen)
- Energy deposition (Mokhov)  
strong-strong simulations (Furman)
- Dipole first design (yes/no? + LOTS OF FOLKS)
- \* Needs a lead -

# PLL

simulations to support hardware development (Bucou)

# Luminosity monitoring

Hardware (LBNL)

Commissioning (Drees)

- Test at BNL
- Tests at CERN

## Commissioning

- T18 (matching)

- Sector tests - { checkout  
lists automation  
procedures }

Growing effort - 1 US/shift in 2007

\* Needs a leader

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Need to capture effort into  
LHC document system, etc.

# Budget

## Collimator

	<u>04</u>	<u>05</u>	<u>06</u>
SLAC	See budget	addition	
FNAL	.1	<del>0.2</del>	.01
BNL	-	0.5*	1
	"Post-doc"		

## Electron cloud

LBL	.1	.4**	3.0**
BNL	.3	0.5	1
	"student"		Too many??

## FR Design

LBL	.1	.1	.2
BNL	.1	.3	.5
FNAL	.1	<del>0.5</del>	<del>1.0</del>
		0.6*	1.2

## PLL

FNAL	<u>04</u>	<u>05</u>	<u>06</u>
	*	*	*

Instrumentation?

<u>Luminosity monitoring</u>	<u>04</u>	<u>05</u>	<u>06</u>
	?	?	?
LBL			
BNL	0.0	0.3	Small

<u>Commissioning</u>	<u>04</u>	<u>05</u>	<u>06</u>
	0.3	?	?
LBL			
BNL	~0.3	1*	2
FNAL	~0.3	1.12*	2.1
	—	—	—
	1.6	4.6	10

\* TEG, ~~etc~~ Machine checkout, sector tests  
 Need to define contributions