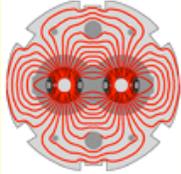


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Putting it together

- Here is what I see happen, pending support by LARP:
 - The H⁻ injection & space-charge studies can build on the FNAL-LBNL collaboration & should get going soon. Collimation to be tied in as soon as reasonable.
 - Instabilities & collective effects is an area of strong overlap PS 2-Project X, and SLAC. Effort will begin small but grow as we get more into the (high-frequency-) details.
 - e-Cloud investigations are of interest to all 4 LARP labs. However, there is an ongoing effort already, need to ensure we do not overextend ourselves.
 - Studying laser stripping for H⁻ injection is a proposal by LBNL. I consider it very interesting to study this, need to manage resources in view of the ongoing lumi monitor work.
 - MTE phase-space diagnostics proposal is an interesting project that could become extremely useful. At this time not much \$\$ is being asked for.

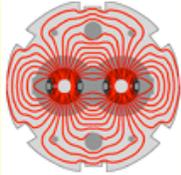
"Blue Sky" Budget Requests			Summary FY09...FY11					
Project	Lead	Lead lab	PersonYear tot	SLAC	LBNL	FNAL	BNL	Travel
H- laser stripping	R. Wilcox	LBNL	1.0		1.0			\$ 40
Space-charge tracking, collim	J. Qiang/Spentzouris	LBNL/FNAL	5.5	1	3.0	1.5		\$ 90
Instability	K. Bane	SLAC	2.0	1	1.0	0		\$ 20
e-cloud	M. Furman	LBNL	3.3	1.5	1.8			\$ 90
Feedbacks	C. Rivetta	SLAC	1.5	1	0.5			\$ 20
Phase-space diagnostic & MTE	K. Brown	BNL	0.5	0.5			0	\$ 45
Total			13.8	5	7.3	1.5	0	\$ 305
			FY09					
Project			PersonYear tot	SLAC	LBNL	FNAL	BNL	Travel
H- laser stripping			0.5		0.5			\$ 20
Space-charge tracking, collim			1.5	0	1.0	0.5		\$ 30
Instability			1.0	0.5	0.5	0		\$ 10
e-cloud			1.2	0.5	0.7			\$ 30
Feedbacks			0.5	0.5	0.0			\$ 10
Phase-space diagnostic & MTE			0.0	0			0	\$ 15
Total FY09			4.7	1.5	2.7	0.5	0	\$ 115
			FY10					
Project			PersonYear tot	SLAC	LBNL	FNAL	BNL	Travel
H- laser stripping			0.5		0.5			\$ 20
Space-charge tracking, collim			2.0	0.5	1.0	0.5		\$ 30
Instability			1.0	0.5	0.5	0		\$ 10
e-cloud			1.1	0.5	0.6			\$ 30
Feedbacks			1.0	0.5	0.5			\$ 10
Phase-space diagnostic & MTE			0.3	0.25			0	\$ 15
Total FY10			5.8	2.25	3.1	0.5	0	\$ 115
			FY11					
Project			PersonYear tot	SLAC	LBNL	FNAL	BNL	Travel
H- laser stripping			0.0		0.0			\$ -
Space-charge tracking, collim			2.0	0.5	1.0	0.5		\$ 30
Instability			0.0	0	0.0	0		
e-cloud			1.1	0.5	0.6			\$ 30
Feedbacks			0.0	0	0.0			
Phase-space diagnostic & MTE			0.3	0.25			0	\$ 15
Total FY11			3.3	1.25	1.6	0.5	0	\$ 75



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FY09

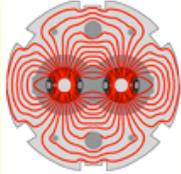
- For FY09, PS2 is listed at \$100k
 - would barely support the travel requests.
- Some labs have indicated willingness to “seed” effort for FY09, with the understanding that LARP picks up the tab next FY.
- IMHO, the travel requests can be pared down quite a bit
 - propose to limit FY09 travel to $\leq 50k$
 - use rest to augment labs seed \$ where necessary.
 - At least start the sp-charge task, + whatever the labs are willing to seed.



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FY10 & FY11

- For FY10 & FY11, if PS2 gets \$500...\$600k, and if the labs help with “matching” funds, & less travel, we could support ≈ 4 FTE
 - e.g. laser stripping, Sp-ch, Instabilities
 - FY11 would be somewhat easier
- If the labs are not able to help, can only support 2 FTE
 - would only support Sp-ch in this case.
- In either scenario would try to support the modest request for Phase-space (MTE) diagnostics



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Where to go from here...

- If LARP decides to support PS2 at a meaningful level, we'll need a gathering to discuss technical details.
 - CM12 would be a natural vehicle for this
 - it is rather late => try to use video meetings beforehand
 - May be able to take advantage of other meetings like the Project X mtg @ FNAL in November for discussions.