

Introduction: Goals of mid-run review





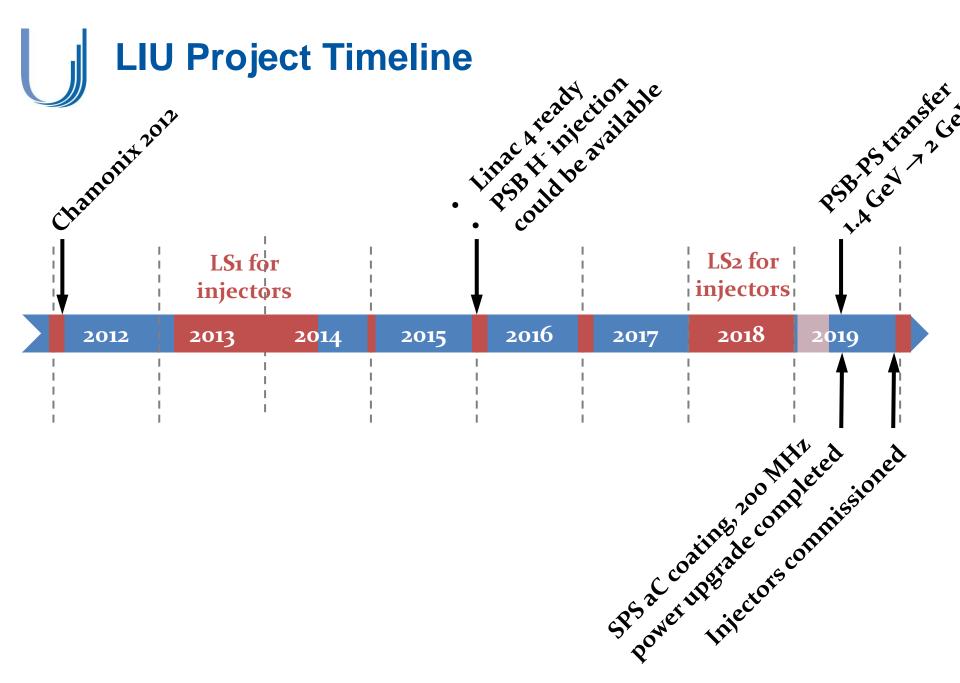
- HL-LHC has very demanding requirements on beam characteristics
- The beam has to be provided <u>reliably by the existing injectors</u>.

What are the upgrades to implement and how close can they bring the beam characteristics from the LHC requirements?



Generic questions for this meeting

- What is left to understand?
- What is left to demonstrate?
- What else do we need to know to estimate performance after LIU?
- How much can we gain from the foreseen upgrades?
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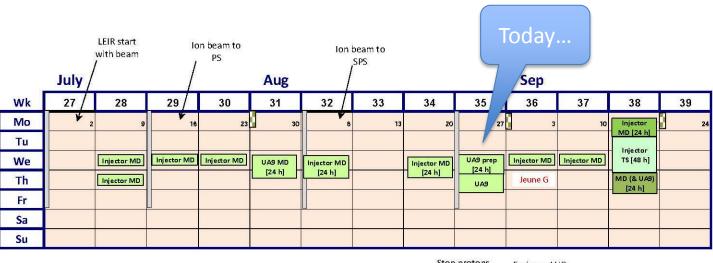


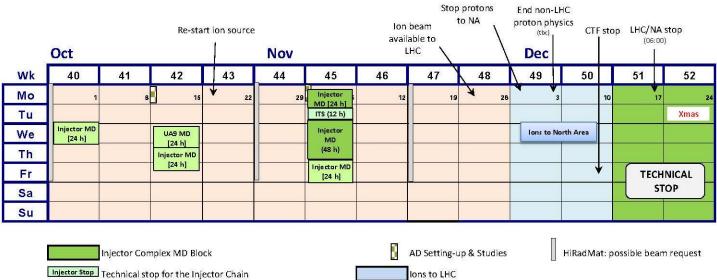
	2012				2013						
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July
		Note on ions			LIU review ?		Draft L&MTP to Council		TDR publica tion	Final L&MTP to Council	
Organization of table of parameters			Х								
Definition of work programme for ions		Х									
Statement of baseline goals & decision or precise											
planning for decision on hardware options*					X						
Update of APT data**						Χ					
Publication of Planning* & Cost Estimate				·			Χ				
Contribution to new LTP and MTP***							Χ				
Publication of TDR									Χ		_

Crucial need for input from beam studies



Remaining MD opportunities...





R.G. - 28/08/2012 LIU Beam Studies Review

Floating injector MD - LHC beam has priority

Ions to LHC

Ions to North Area

YOUR HELP IS HIGHLY WELCOME!