

Weekly Update 2016/09/21

Shaun Alsum

LUX Collaboration meeting

- Last weekend
- Decommissioning plans – I'll probably be in Lead for 2 weeks from Oct 17
- Lessons learned from LUX
- Probably accelerated EFT analysis plans

- General lack of focus on data taking efficiency until Apr 2013
- Bubbling campaign (try to raise HV with higher pressure)
- Loss of xenon purity from C4I injection while bypassing getter

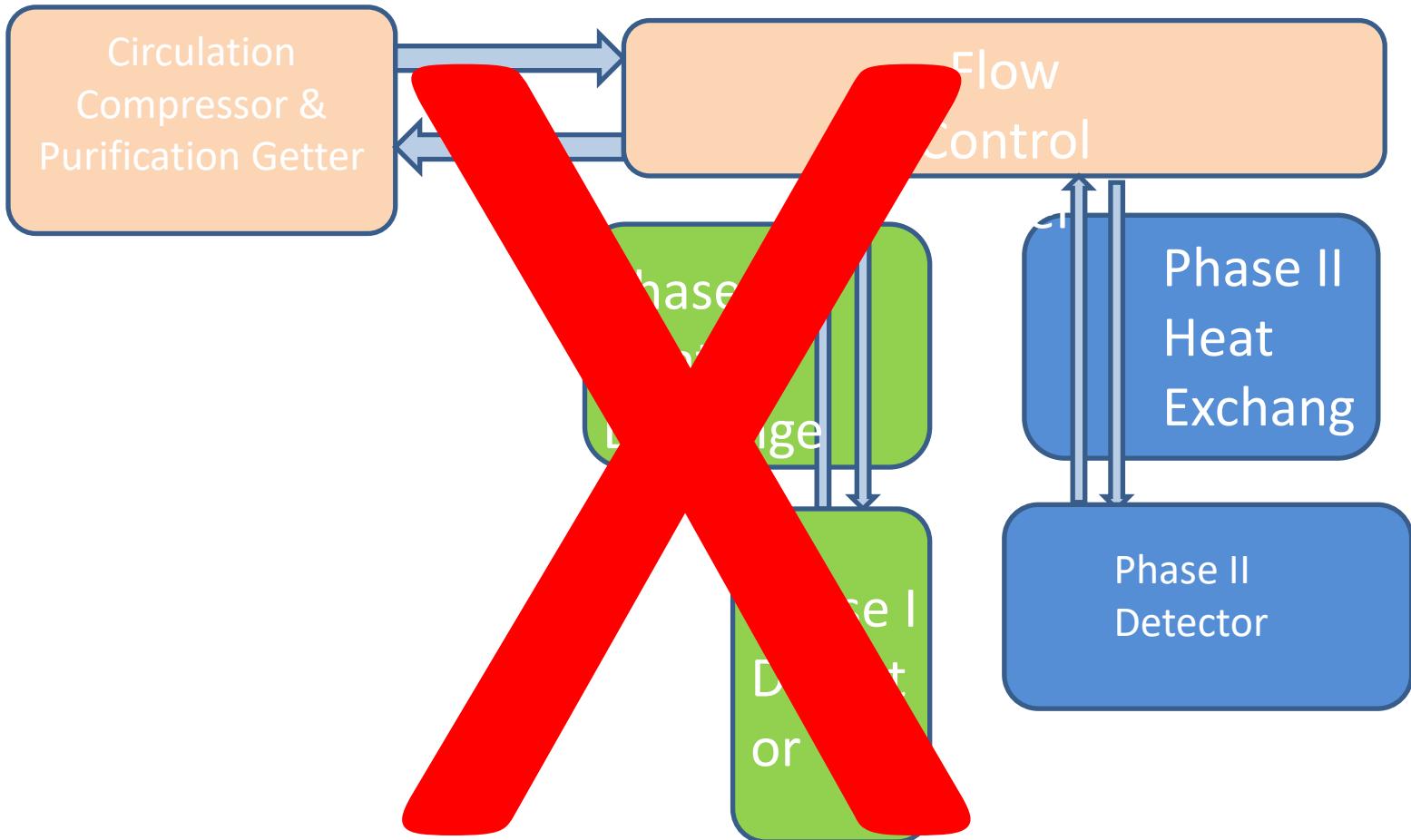
**DON'T DO
THAT**

**DEFINITELY
DON'T DO
THAT**

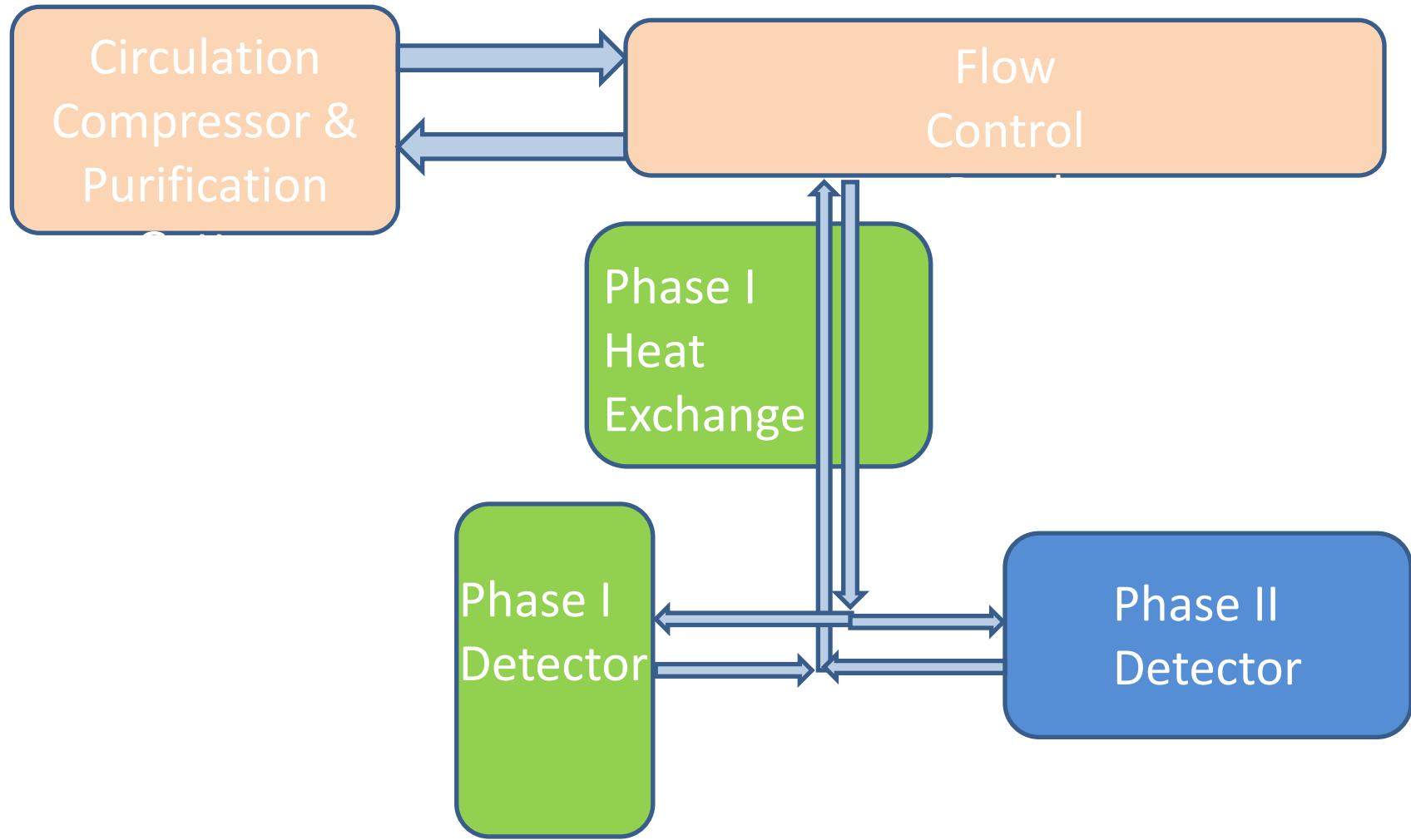
• Grids conditioning

**HAVE
A
GO**

General Phase II plan - original



New Plan



LUX Recovery Compressor

- Hopefully can get it loaned
- Live in the compressor shack
- Probably fed by compressor
- Bottle farm will also live shack
- Max inlet/oulet pressure 30/1200 PSIG
- Max Flow: 18SLPM (2.5 days of continuous running to fully recover)



Compressor in SURF

Splitting of flow

- Seems like we can just T off the bottom at the U-tube
 - Fitting the liquid control valves could be an issue
- As long as outlet of PII higher than the weir reservoir, we should be able to use the same one for both just fine.

