

# Weekly Update 2016/09/21

Shaun Alsum

# LUX Collaboration meeting

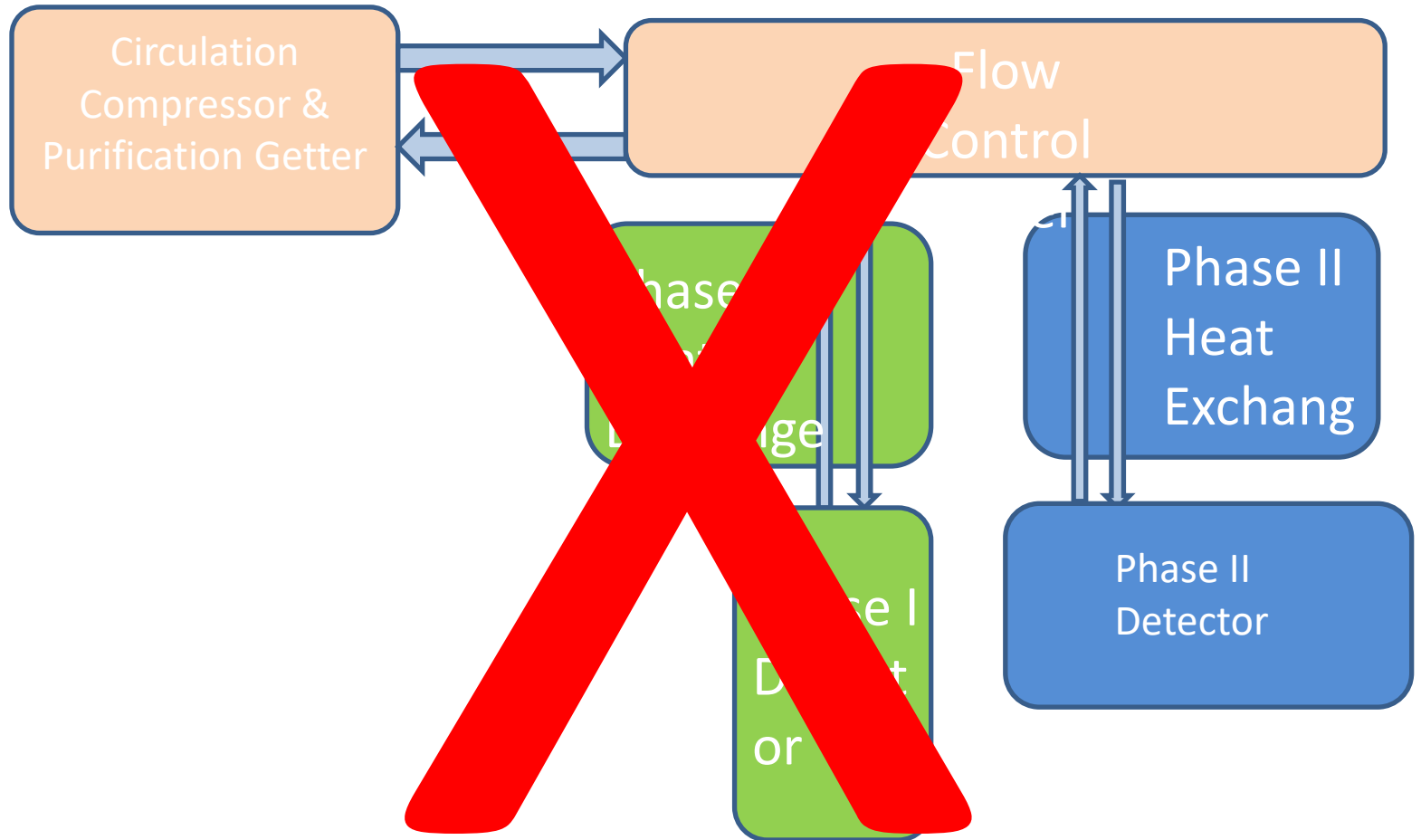
- Last weekend
  - Decommissioning plans – I'll probably be in Lead for 2 weeks from Oct 17
  - Lessons learned from LUX
  - Probably accelerated EFT analysis plans
- General lack of focus on data taking efficiency until Apr 2013
  - Bubbling campaign (hope to raise HV with higher pressure)
  - Loss of xenon purity from C-H injection while bypassing getter

**DON'T DO THAT**

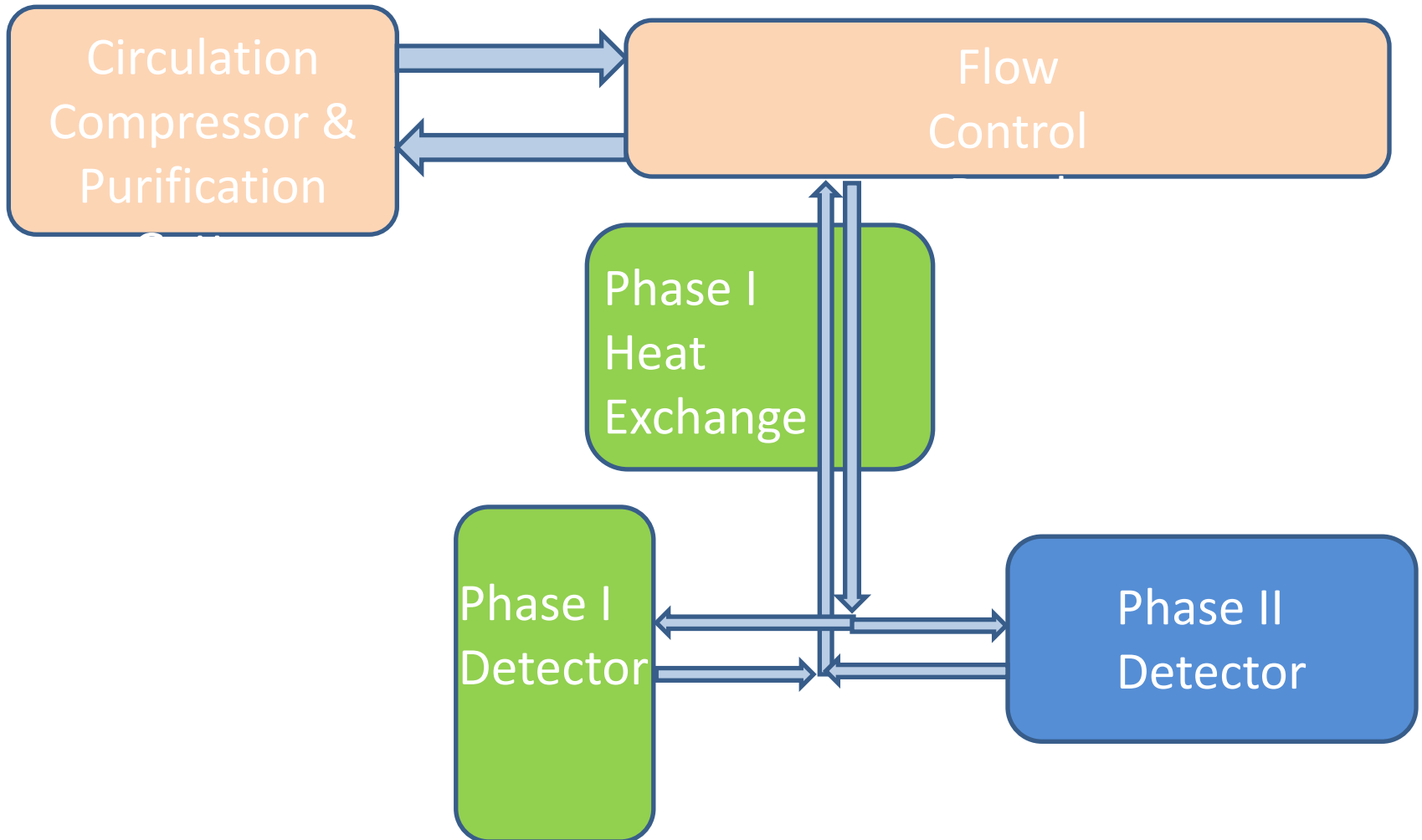
**DEFINITELY DON'T DO THAT**

**HAVE**

# 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/outlet 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.

