

Mu2e status 2019



CALORIMETER ASSEMBLY SCHEDULE

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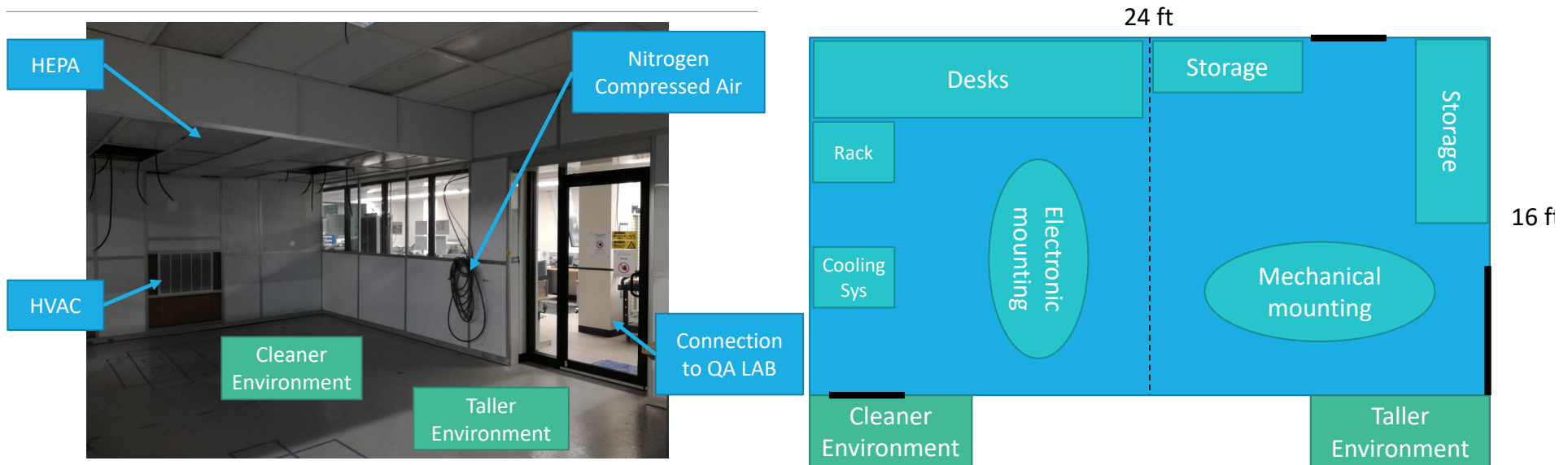
6 June 2019

Mu2e-ITA

Mu2e

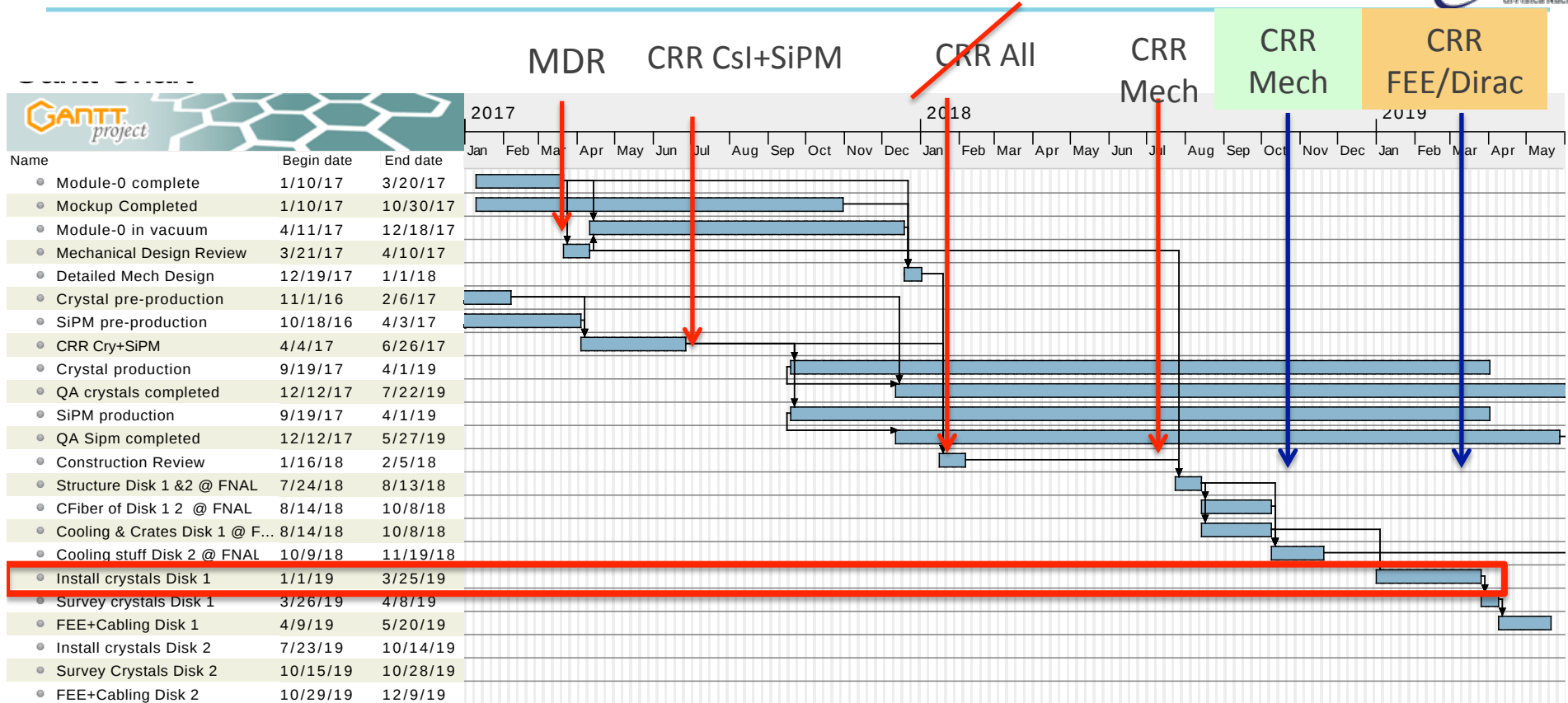


Assembly Room status in SiDET Hall-A



- Assembly room for installation has been designed
- Main requirements are $RH < 40\%$, stable temperature and clean area
- Logically divided in two working areas
 - mechanical assembly area
 - Sipm/Fee/Digital electronics mounting and test
- External structure has been completed, **working on electrical part now**
- Infrastructures being prepared. Expect to complete for Sept 2019

Sketched Calorimeter Schedule (Set-2016)



First pieces received end of 2017, QA-LAB done @ FNAL → Schedule is OK here
 Aiming to complete slice test before end of 2017 → large shift due to DOSE crisis.
 1 channel done in July, 20 channels in progress with old FEE in October
 Aiming to complete engineering for beginning 2018 and CRR_ALL for spring 2018.
 → CRR reviews divided in 3:

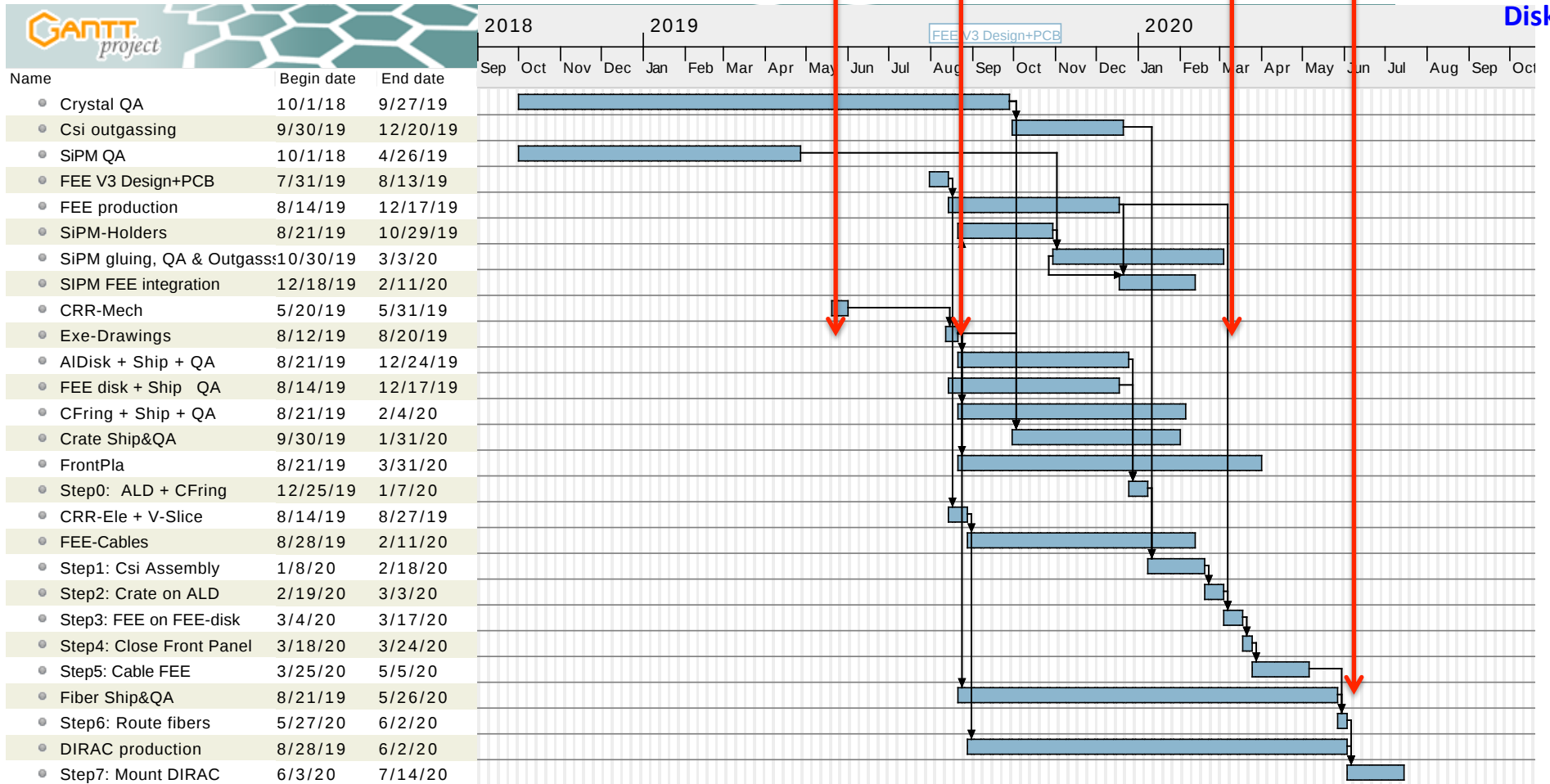
M CRR mechanics (end of October), CRR electronics (spring 2019), CRR cooling station (summer 2019) **b**

Other things in parallel and deadlines

1. Start glueing of SiPM on SiPM holders (complete Dec 2019)
2. Prepare Outgassing chamber in SiDET
3. PCB review and CRR for FEE and then DIRAC
4. Start production of FEE → complete Feb 2020
5. Start production of DIRAC → complete ½ April 2020
6. Complete guidelines for assembly (DOCDB # 26076)
7. Complete guidelines for outgassing

Calorimeter update schedule (May 2019)

CRR Mech CRR Ele ½ FEE ½ DIRAC 2nd Disk



10 months of delay w.r.t. 2016 schedule.
 Dominant contribution: Mech integration, FEE/DIRAC rad-hard

Maintain 4 months of Float to Cr. Path