



***MICE CM37***  
*Engineering/Hall summary*

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# Summary



- *This isn't really a summary of a parallel session, because we didn't have one*
- *But some points that I've noted this week:*
  - *PRY: great that the design has matured so well since the review and that Jason & Steve are working together well*
  - *The PRR (Production Readiness Review) is very important:*
    - *I noted in Steve's talk the need for 100 micron flatness in places on 100mm thick iron weighing many tons*
    - *At/before the PRR we must have assurance that the chosen vendor has seen and understood the geometric tolerance requirements to achieve this*
    - *The vendor has been visited and their capability to meet the limits confirmed*
    - *Just one of several points we need to verify*
    - *Must not have the PRR too early, still with open design or manufacture issues*



# Summary



- *Absorber changing*
  - *Discussion rumbles on, given new dimension by PRY*
  - *See later slides for suggestion*
- *Tracker installation*
  - *Bore size condition of the solenoid is critical – this concern is new to me – out of roundness and protruding welds*
  - *I was told a template had been successfully inserted, so didn't worry!*
  - *Futile having more discussion till we've done proper metrology*
  - *Need to know cylindricity w.r.t. end flange*
  - *That's started, with DL help.*
  - *Geoff & me organising tracker installation meeting Monday week*
  - *Safety protocol with FC powering required*



# Summary



- *Not really a new point, but I need to think about it:*
  - *The underfloor co-ax for Step V & VI will need to be installed before, or certainly be integrated with, the PRY support legs*
  - *This effectively means first half of next year*
  - *We have the gear of course, and supports*
  - *It's vulnerable, high-value equipment, so will need properly engineered protection*
  - *Tim, Me, Jason will meet quickly after CM*
- *For the Hall Summary, see yesterday's talk, that is:*
  - *TIARA*
  - *Decay solenoid repair*
  - *RR2 and West wall compressor*

