

# Absorber/window integration

- This year we need to integrate the liquid absorber/windows/LH2 system/FC for real, that is for Step IV
- we probably need a history lesson, what has already been done?
- what needs to be done, who can do it and when
- Believe there are some open engineering issues, for example:
  - location and fixing of absorber in FC
  - resistance to quench (and other) forces
  - acceptance of windows; metrology, pressure testing, x-raying, shipment
  - window fixings and seals
  - EU declaration of conformity for absorber
  - services arrangement over magnet face
  - Do any assembly/installation drawings exist?
  - any requirements for cleaning, baking, etc?
  - Installation tooling for absorber
  - are we clear over the exact interface with the LH2 system?

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- open issues, Continued:
  - MLI, is it complete?
  - How is the indium seal (?) kept under tension
  - surface treatment and torque figures for seal bolts
  - pressure test of complete assembly, is stored energy <250 bar.litres?
  - if yes, how do we do it, gas, liquid?
- we would like to be getting on with things when the FC Hall field mapping is complete
- Another meeting probably required, hopefully where we can talk around an assembly drawing