



# Connection Cryostat - Short Circuit

Sequence (1/2)

- Thursday 24/01/08 @ 6 o'clock : Alarm on TP4-C on line monitoring (insulation with respect to ground) of the circuit RQF.A78

A that time, CC neighbours were at room temperature (see next slide)

Documentation to be put in NC 888846

- Friday 25/01/08 : Additional ELQA tests localised the defect in the middle of the CC ; end of the afternoon, it was decided to warm-up the subsector to allow intervention

- Monday 28/01/08 : Active warm-up launched by CRG with a partial venting (10 mbar)

Retrieval of data on connection cryostat and analysis of possible failure

- Tuesday 29/01/08 : Warm-up continued with a venting to Pa started around 18h00

Meeting to define the possible intervention procedure ; likely in the lyra

- Wednesday 30/01/08 : Room temperature and Pa reached in the concerned subsector in the morning

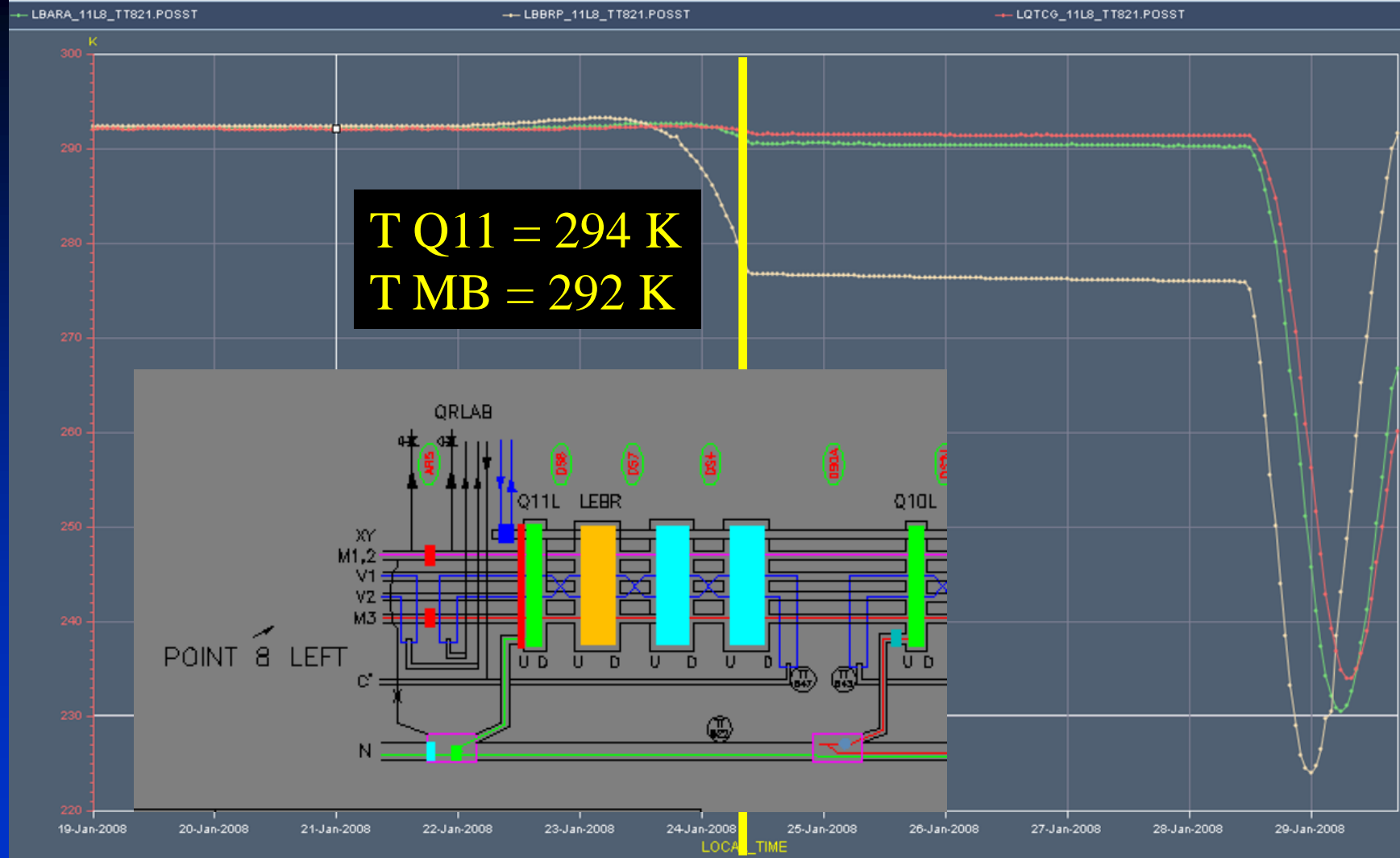
Geometrical references taken by Survey before opening of cryostat

Opening of cryostat – removal of thermal screens and MLI – drilling of first hole in shuffling module in 2 “extended” shifts



# Connection Cryostat

Timeseries Chart between 2008-01-19 00:00:00 and 2008-01-30 00:00:00 (LOCAL\_TIME) Time Scaled to 1 Hour Intervals using AVG

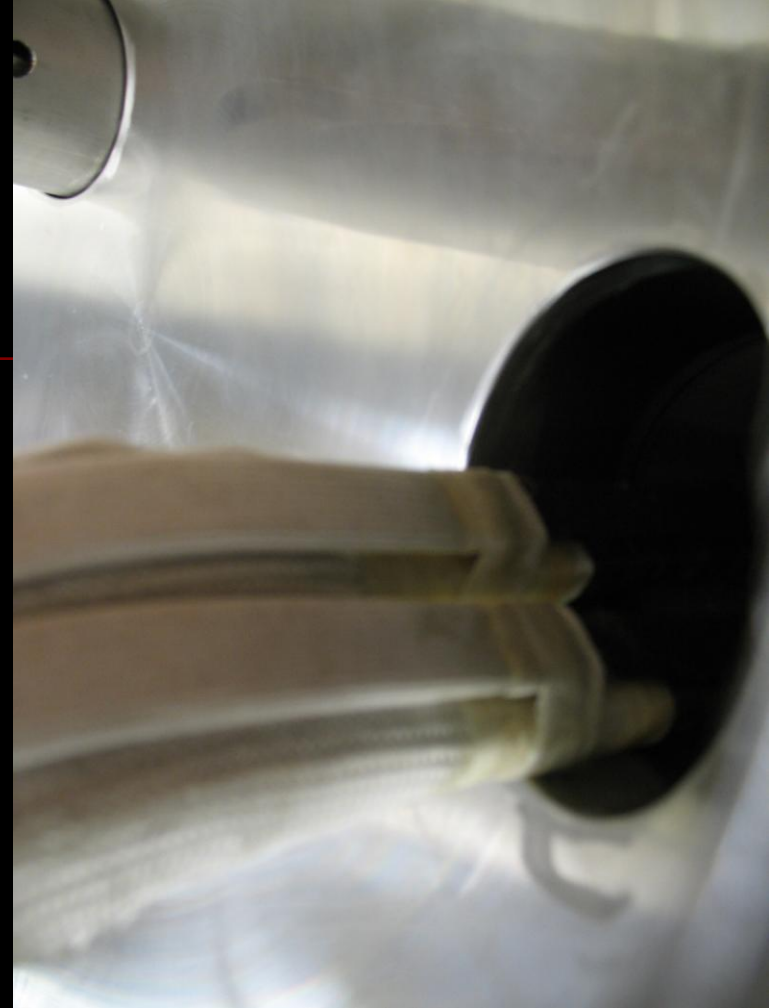








# Connection Cryostat





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Sequence (2/2)

- Thursday 31/01/08

Opening of 2 other holes in the shuffling

Endoscopic inspections

Discussion with electrician for the insulation reinforcement

Definition with SC of the procedure to reclose the shuffling module

Introduction in 4-5 consolidation schedule of the interventions on the 2 CCs

Manufacturing of insulating pieces (2 evolutions / 2 types)

- Friday 01/02/08

Test in-situ of insulating pieces (on-going)

Check of material availability (on-going)

Manufacturing of test pieces to validate the shuffling closure procedure with SC (on-going)

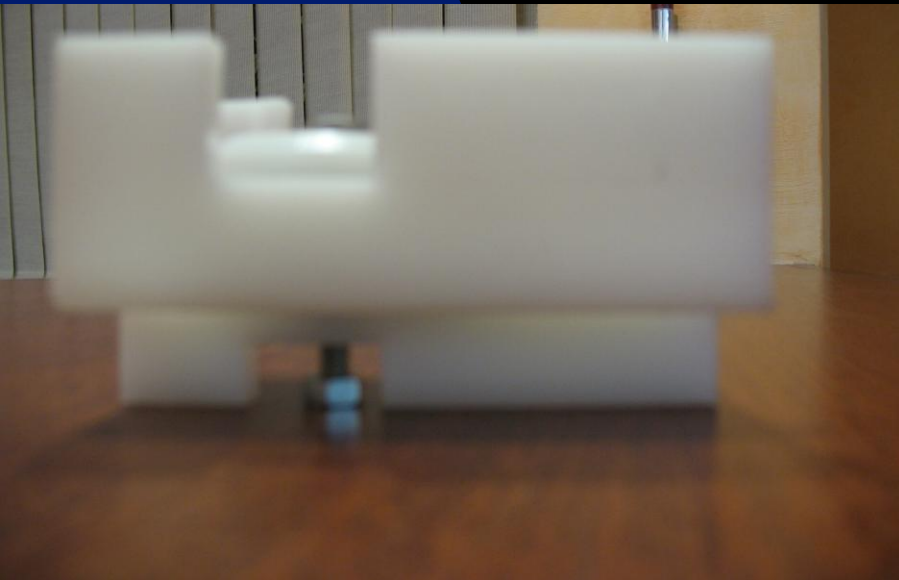
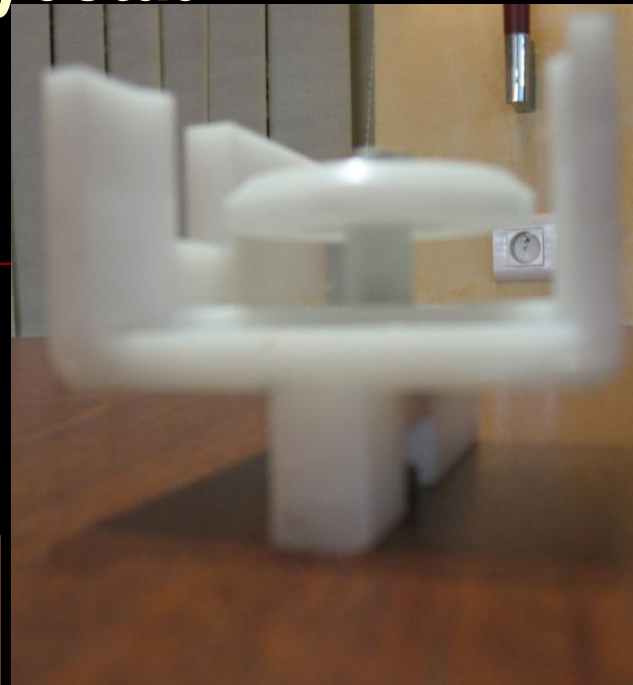
Plan for repair of R7



# Connection Cryostat



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+ Solution to avoid contact between lyra and “cold bore”



17 APR 07  
10:34





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Planning :

- Friday 01/02/08

Validation of the repair technique (Reduced EEWG? Or ?)

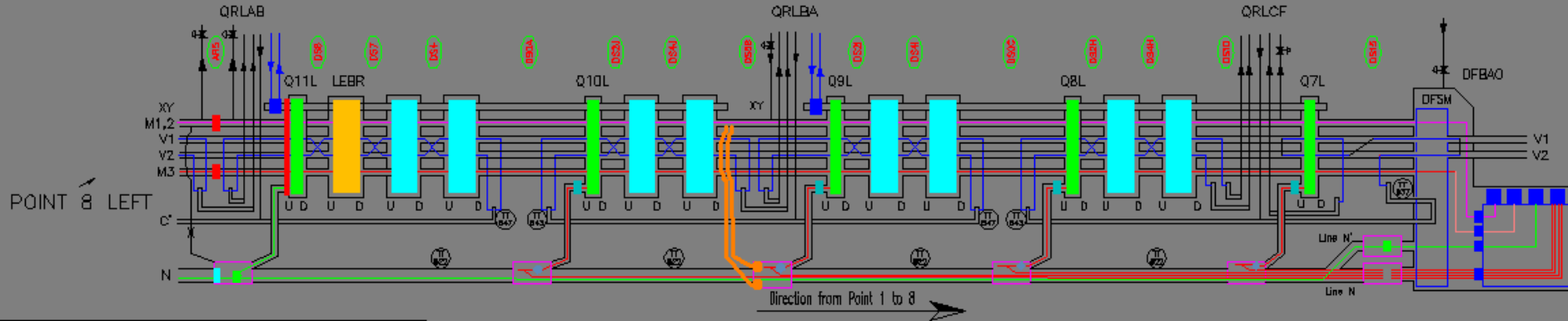
Manufacturing of test pieces for closure method (withg SC)

Stop at 17:00 for warm-up of CCR7

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