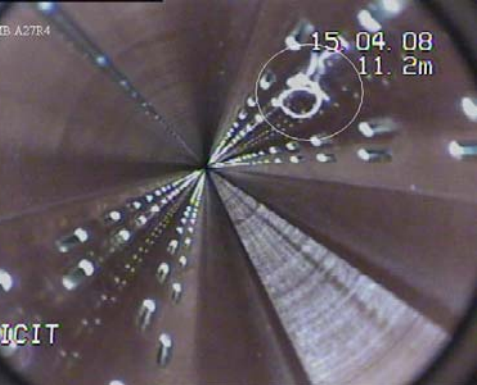


# LHC Arc and Special Interconnections: update

F. Bertinelli / AT-MCS

(on behalf of IC Team)

- Consolidation 4-5

| Task   | Status   |
|--|--|
| <p>PIMs</p>  | <ul style="list-style-type: none"> <li>• 12 with collapsed fingers, 20 cut (from ball test)</li> <li>• 10 more cut to remove plastic shavings between 30R4 and 7R4 (from endoscopy)</li> <li>• Re-endoscopy ongoing since last Friday</li> <li>• VAC mounting final PIMs</li> <li>• Welding started this morning from 5 towards 4: 2 welders</li> <li>• VAC to start pumping longest possible section by Friday (7L5 to 26R4 or 24R4), leak test next Monday</li> <li>• Last ball test after PIMs welded (slowest speed, <math>\sim 1.5\text{ms}^{-1}</math>)</li> </ul> |
| <p>Y-lines</p>   | <ul style="list-style-type: none"> <li>• 3 lines repaired and tested</li> <li>• Welding of X flanges and sleeves ongoing</li> <li>• Cost of CERN repair being estimated</li> <li>• Payment of IEG invoices blocked for the moment, discussion of compensatory measures ongoing.</li> </ul>   |

| Task                 | Status   |
|----------------------|--|
| He-guards            | <ul style="list-style-type: none"> <li>• Welded, tested, final re-assembly ongoing</li> <li>• First 2 VACSECs available for pumping this week</li> </ul>   |
| Triplet 5L           | <ul style="list-style-type: none"> <li>• W bellows closed</li> <li>• A few jumper welds still to be done</li> </ul>  |
| Connection Cryostats | <ul style="list-style-type: none"> <li>• Last fiducialisation being done today</li> </ul>  |
| Diode leak           | <ul style="list-style-type: none"> <li>• Welding ongoing, end this week</li> </ul>   |
| Closure of W         | <ul style="list-style-type: none"> <li>• First 2 done</li> <li>• 35 to be closed (15 affected by PIMs)</li> <li>• Testing of cryo-instrumentation launched</li> <li>• NEED first sample holders, clean and ready, tomorrow lunch: otherwise we start closing without.</li> </ul> |
|                      |  |