

# R2E News

- Failures observed during 2011 operation (Collimation (3x), Cryo PLCs (3x), QPS ISO, uFIP, PCs, UPS?, Biometry)
  - Detailed analysis of respective radiation level is very important to check for 2011/2012 operation
  - in general levels follow the predicted pattern
  - performed actions (shielding RR73/77, UJ76, UJ23, UJ87, relocation actions, etc...) were important
- Patch-Solutions asked for by the management – the planning for those also strongly depends on the detailed analysis of radiation levels
- What's about 'hidden failures', e.g., communication problems caused by Ethernet switches (failing early at CNRAD), how can we analyze this?

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- Weekly radiation reports: Quality of reporting is very good with high quality (it was worth the effort), few things to be followed (r-factor update, BLM tables,...)
- Scrubbing-Run: radiation levels much lower than anticipated -> reason: beam-gas densities remained two orders of magnitude lower (heat load on beam-screen was 'limiting' factor)
- Radiation levels: few question marks remain:
  - Difference between UJ14/16 and UJ56 (FGCs don't show counts)
  - Linked: thermal neutrons and R-Factor -> seems to be lower (additional TLD analysis required)
  - P4 levels keep rising -> possible impact to UX45 (cryogenics)?

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- H4IRRAD radiation tests more important than ever, long list of scheduled tests (see [website](#))
- R2E safety structure put in question by DSOs/RSOs and HSE, to be followed
- Budget update upcoming
  - End of June (before ‘summer break’) we have to review the budget estimates (focus on 2011/12)
  - Iterations starts now, each responsible for a budget code has to prepare the respective analysis
- LMC presentation on collimation control failure analysis (see [link](#))
- Update on P1 relocation/shielding options by Anne-Laure yesterday (see [link](#))
- R2E review to be scheduled for November