

# Updates from **MCWG** (*2<sup>nd</sup> R2E Project Meeting*)

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- Continuous update of **layout maps** (LSS, DS, shielded critical areas) → [link](#)
- Summary of beam **intensity/luminosity for 2010** run (proton/ion/scrubbing) ongoing: proton lost from collisions and elsewhere (i.e. Collimators), *ongoing*
- Continuous development of the **LHC Combined Monitoring Tool** ([link](#)) (+bug reporting tool ([link](#)))
  
- Updates on the **BLM/RadMon ratio** for P7 + locations in the ARC → preliminary values ([link](#)) is a good indication for critical areas such as RRs/REs ( $\sim 1 \cdot 10^6$  cm<sup>-2</sup>/mGy)
- **TLD readings from LHC** → with the help of CERF and CNRAD data the aim is to obtain the risk factors from the various location in LHC and compare it with FLUKA simulations (reliability of sims), *ongoing*
  
- New simulation for aimed at **application benchmark FLUKA/RadMons for P7** → preliminary findings shows “reasonable” agreement (1x-6x) ([link](#))
- Update FLUKA simulations for **PI/RRs shielding**: a solution has been proposed to integration ([link](#)) → next step is application benchmark FLUKA/RadMons/PMIs