

Welcome & Introduction

2013 Pixel Replacement/Upgrade Meeting

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R. Horisberger

Paul Scherrer Institut

Expectations & Hopes !

- Today's meeting should be a discussion day !
- Radiation damage in 2013 needs replacement of Layer 1 + 2
- AOH's will eventually need replacement + accum. broken modules
 - substantial financial engagement
- Luminosity development of LHC machine is difficult to predict
 - uncertainty in planning
- LHC machine upgraded in 2013 to Phase 1 with potential for 2×10^{34}
- In 2013 we will be in a competitive **Physics Analysis** situation !
- If do a replacement for 2013 Run, installation is in **50 month** from now !
 - (50 month ago, the pixel was well defined and gearing up for production)

Pixel community should be aware of existing constraints for a successful replacement / upgrade in 2013:

- Installation into existing tracker & beam pipe environment → tolerances !
- Radioactive environment to work in → personal dose of your friends!
- Cables , Fibres & Pipes are what they are !

We are in a comfortable situation (compared to the ATLAS pixel project) but we are still constrained and we should not miss to score the goal !

Future success is in our hands and will depend on our decisions we do now !

Hope !

Find together a strategy where Phase 1 Upgrade in 2013 is along the line and additive for a future Phase 2 Upgrade in 2018. Try to define the 2013 upgrade such that it is a capital investment and a pedestal for the next step of Phase 2