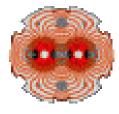


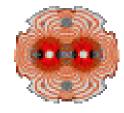
ALWAYS AN EXCITING PERIOD



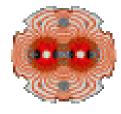
- Analysis of magnet non-conformities (LS1 activities)
 Proto
- Analysis of Run I data

- Protons and ions
- Improved tools and techniques for beam commissioning
- Development of on-line model
- Contribution to commissioning scenarios (with HSC)
- Preparation of optics for Run II

SPS: still no need for action...

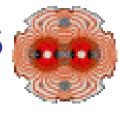


 No activities to mention, apart for contribution (aperture analysis) for proposed e-cloud monitor in quadrupole (with HSC). PS: already up and running...



- Contribution to overall beam commissioning activities (with HSC).
- Commissioning dummy septum (installed during LS1)
 - All fast extraction schemes reviewed and successfully re-commissioned. Awaiting an official OP statement.
- MTE commissioning:
 - Beam splitting resumed.
 - Currently, activities are stopped due to:
 - Failure of extraction kickers -> 3 weeks of down time
 - Failure of wire scanners (2 out of 3 in H-plane)

Projects/studies: business as usual...

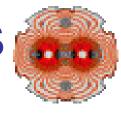


- Collimation
 - New collimators with buttons successfully installed.
 - Crystals installed in IR7 for MD studies.
 - HL-LHC
 - WP2 (beam dynamics)

Now: contribution to the **Preliminary** Design Report

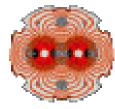
- Optics studies:
 - New layout just released (HLLHCV1.1)
 - Advanced concepts
- Tracking studies:
 - Field quality of new magnets analysed and target error tables available
 - Next steps: inclusion of fringe fields effect and field quality of crab cavities. Ripple in power converters. ABP General Group meeting - HSS

Projects/studies: business as usual...



- HL-LHC
 - WP5 (collimation)
 - Collimation performance with HL-LHC layout
- Now: contribution to the Preliminary Design Report
- New collimation baseline in IR7 and IR1/2/5
 - Finalised layout with cryo collimators and 11 T dipoles
 - New materials for reduced impedance
 - Advanced concepts for halo control (e-lens; other methods to be tested in MD studies in 2015)
- WP8 (machine detector interface)
 - Analysis of failure scenarios relevant for experimental insertions

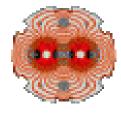
Projects/studies: business as usual...



HL-LHC

- Ions
 - Improvement of overall performance (e.g., stochastic cooling)
- PS-LIU
 - Coordination of activities
 - Studies of resonance compensation in the PS (other activities in HSC)
- FCC
 - Project co-coordination and activities in the domain of FCC-hh (collimation, machine detector interface, ions) (other activities in LAT)

Computing: an ever increasing activity...



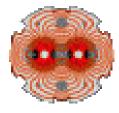
MAD-X

- Service to the users (bug fixing and general support, including documentation)
- Refurbishment of code
- New physics or improved models(required for new projects/studies)
- New MAD

Contributors are welcome!

- Some components available
- Some design choices under discussion

Computing: an ever increasing activity...



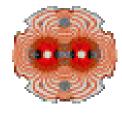
SixTrack

Google summer student programme provided efficient help!

- Service to the users (bug fixing and general support, including documentation)
- New physics or improved models (required for new projects/studies) (also with HSC)
- Incorporation of features of general interest developed by users for private versions
- Harmonisation of collimation version of SixTrack and standard version

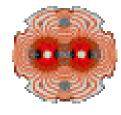
Contributors are welcome!

Computing: an ever increasing activity...



- SixDesk (tracking and analysis environment)
 - Detailed analysis and review of current implementation and needs
 - New version of tools for tracking data analysis

Contributors are welcome!



A BIG THANK YOU FOR THE HELP DURING TRANSITION FROM LCU TO HSS AND CONGRATULATIONS FOR THE RESULTS ACHIEVED!

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