

Minutes from 31.01.2012 by R. Steerenberg

- Synchronous measurements piloted by the LHC: --> lower priority with respect to other topics in this meeting. **LS1**
 - The aim is to make a coherent measurement on the same beam on all machines.
- Saving all parameters to the Dbase to allow full postmortem analysis.
 - What parameters (B or momentum, optics parameters, filter settings, HV settings, timing of measurement, LSA context, raw data, fitted data with type of fit, d/p/p (issue to be solved) , **done for LHC beams, PS, PSB; LHC, SPS missing**,
 - The application should then be able to retrieve the Dbase data as if it was a new measurement, but not store it again. **Not done LS1**
- Are the fit routines we presently use correct or do we need other Front end fit routine versus application fit routine. **LINUX needed LS1**
 - What is considered to be the "ultimate" fit routine to have coherent results across all machines ?
 - Can we put this "ultimate" fit routine in the front end to be coherent with the application ?
 - The Gaussian J-Minhui fit library is consider to be the best but is not the fit by default --> we decided to make this the fault fit in all machines. -->al the
 - fit error will be then also available.

- Optics parameters from LSA database instead of pre-programmed fixed values. on the way PS, PSB, LHC, SPS done (measured optics to be done)
- Modify the application to have the possibility to get optics parameters from LSA, but also have the possibility to select the predefined "general"
 - optics parameters in case there is no optics defined in LSA.
- Bunch-by bunch measurements
 - Prospect for the SPS. Done, missing 414 and new electronics, 521 repair,
 - Next meeting subject, **explanation, Hannes**
 - Prospects for PS to have at least PSB ring by ring. **No cables not installed in LS1 (PS)**
- PM and filter setting strategy
 - Is the setting strategy for filter and HV already developed ? --> no the data to make the study is available, but the strategy is not yet developed.
 - How will this be implemented.
 - What are the parameters that will determine the the automatic settings:

- Remaining HW issues:
 - filter setting coherent ? --> something can be approved in the reset procedure, but there is no definitive solution. **Ana and Jonathan are looking if we can suppress some filters limiting the number.**
 - In the PS cabling has been modified as there were some historical problem. In general there is no feedback on the filter position. **BI will**
 - PS new tanks installed
 - Will additional pick ups be available in BPMOP ? --> they do not know --> check **with Stephane Bart.**
 - Are all the PS wire scanners now equipped with the new bellows ? **Yes** exempt the 68, will be done during a technical stop.
 - Are the wire scanners re-calibrated ? **Yes**
 - Do we need a dedicated measurement campaign across the machines ?
 - Base line ripple subtraction done ins LHC and SPS, do we need tis in other machines.

- Actions and possible milestones:
 - Jean-Francois, Emanuele, James and Guy will sit together too determine the list of parameters to store in the database, trying to make properties general, but also keep machine specific things into account. There should also be a logging if the measurement was wrong or if it had an error. --> mid Feb.
 - Once parameter list is ready they will send it around for validation
 - then discuss with DB people to implement the logging parameters
 - Then JFC and James will adapt the application to be able to save all the data.
 - Verena can lead the action on the common and standard fit routine for implementation in the applications.
 - BI will come up with a minimum list of standard measurements to check the wire scanners --> Ana and Jonathan