14.10.2011

Racks Coordination Meeting

**3D CAD Model status**

Room 10 and Room 11 is used

Meeting every second week

**To Do:**

1. RF waveguide section
2. Water distribution section not at right place
3. Pump stand for vacuum wrong location
4. Small cable pritsch for Synchronization is missing (Exist for RM01-RM05), will be added

**XTL Cable Trays**

* “Funktionserhalten Pritsche” for WP38 is not required, normal tray is sufficient, complete tray is required
* Addition 2 x LWL cables located on left hand side/bottom (one new one on pritsch used for Pulsed Cables)
* Connection tray on top of racks included (first proposal)

**To Do:**

1. Pritshen & cables mounted on module to be defined (different meeting)
2. Rack tray assume that no cables comes from modules -> defines number of cables required
3. To be discussed how cables are go into the racks/onto the tray
4. Suggested to test the cabling in Module Test Stand

**Cables management**

Matthias Steckel and Holger Sokolinski (MDI) organize the cable management

* Check of planning KDS
* Patch-panel within every rack till component to beamline
* Contact company, orders, preparation
* Consulting of WPs
* Extension of “Leistungsverzeichnung”: should include mechanical work, also when safety relevant components are included

**Racks Prototypes** *(within the frame of separate meeting with Schroff representatives)*

Important questions

 Height of cabinets can be increased

 Temperature of 20C, can it be lowered, high power consumption -> MKK

 Routing of LWL thought the bottom of the rack

 Patch panel of side of rack (can be removed) (presently assume that we go though top)

 Emergency cooling (which WP is responsible + concept)

 Bottles for fire extinguishing system (diameter 15cm, 130cm), preferable stand

 Cooling water pipes: flexible or fixed?

 De-airing (Entlueftung) for the cooling units (may not need when coming from top)

 Question of asymmetric racks

Tunnel rack call for tender (who / when)

Latest time for call for tender, should this coupled with call for tender with other Racks

The complete list of questions relevant to the rack prototypes will be spreaded out over in form of questionnaires. To be discussed on the next Racks Coordination Meeting 28.10.2011

Prototypes for viewing

Rittal: Hera Halle West 724 (please contact Richard Wagner)

“Master-Zeichnung” attach to protocol

Schroff: Bld. 3 “Helgoland”, Room 306 (free accessible)

Info:

No fire extinguishing is required for I1

First test with water connection on the way -> check vibration

Question on transition phase was raised (to be discussed)