WP74 Comments (4.12.2014) to the   
XTD2 beam line review, Rooms 11-14

Only Rooms 11-14 were investigated since there are no WP74 devices in the other rooms.

It was not possible for us to load and merge more than JT-file (room) to see correctly objects at the edge of one room that extend in the adjacent room.

# Room 11

* Transmissive Imager OTRC (provided by WP17 for WP74):
  + Manual adjustment base in model needs redesign (this is known by WP17)
* K-monochromator: ok
* SR-imager: ok
  + ca. 1m connection tube + bellows downstream still missing in the model, will be added soon

# Room 12

* There are no WP74 devices, only electron beamline.

# Room 13

* XGM + rack: ok
* WP74-differential-pumping-stations: ok
* PES: ok (shown in model in lowest possible mechanical adjustment position which is why the flanges to the beamline don’t meet in the JT-file)
* Rack just downstream of PES: there seems to be a collision of this rack with the aluminum profile of the beamline holder (WP73 concerned)
* 2D-Imager-FEL: ok

# Room 14

* MCP-detector ok, comments:
  + there is a small horizontal offset between the beam line and the MCP detector bellows on both ends, which is due to the off-centered bellows in the model which are actually centered in the flanges in the produced final version. Model will be updated
  + The camera housing of the MCP-detector is shown as horizontal on the first port, in reality it will point upwards and mounted on the second port, with 543mm maximum elevation above the beam line. The next conflicting element (SLRS tube) is at 643mm above the beam line and therefore uncritical (or 564mm in the worst case to the lower surface of a SLRS-holder, which should therefore be avoided to be placed exactly at the camera port in case it will be mounted at an arbitrary Halfen-rail).
* Pop-in monitor type II-45: ok
* adjacent electronics rack: ok (it looks like this rack can be pushed back a bit after crate installation to open the transport path)

# General comments

The rare gas supply lines and their local gas consumer cabinets (one small cabinet each close to the XGM and PES) are not in any model but most likely uncritical.

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