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| european-xfel-logo-497x497 | Technical Meeting |
| Meeting Minutes |

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| Facilitator | Tobias Haas |  Date | 25 November 2011 |
| Time keeper |  |  Time | 9:00 |
| Note taker | Tobias Haas |  Location | AER19/2.26 |
| Attendees | Markus Kuster, Adrian Mancuso, Thomas Tschentscher, Anders Madsen, Christian Bressler, Michael Meyer, Jan Grünert, Max Lederer, Tobias Haas |
| Excused | Andreas Schwarz, Serguei Molodtsov,  |

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| Item 1 | XHEXP1 Floor Flatness Requirements |

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| Time | 0:30 | Presenter | Tobias Haas |

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| Problem  | The maximum allowed deviations of the floor surface of XHEXP1 was originally specified with 1mm over a distance of 10m. Civil construction wants a confirmation of this specification as it is hard to achieve and expensive. |
| Solution | The maximum allowed deviations should be +-1mm over 10m but are only necessary separately for each individual experimental area.  |
| Action | Inform civil construction |
| Who | Tobias Haas | When | 30 Nov. 2011 |

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| Problem  | The whole experimental hall XHEXP1 could sag or deform under the load of the office building XHQ. Depending on the expected amount of sag, the floor must be installed after XHQ is completed. This would delay the installation. |
| Solution | If the sag is small or at least uniform, the final floor can be installed early |
| Action | Ask civil construction how much sag is expected |
| Who | Tobias Haas | When | 9 Dec. 2011 |

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| Item 2 | XHEXP1 Floor Allocation |

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| Time | 1:30 | Presenter | Thomas Tschentscher |

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| Problem  | More space is needed along the photon beam direction in SASE1 and SASE2 |
| Solution | Extend the experimental area by as much as possible (1-2m) into the transport/escape area on the NW side of the hall |
| Action | Cross-check with safety and transport groups |
| Who | Tobias Haas | When | 9 Dec. 2011 |

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| Problem  | No space is currently allocated for DAQ and front-end racks |
| Solution | There is still enough space available in the current layout (see attachments) Most importantly and as of now the sizes and the vicinity needs need to be specified. The real allocation of areas should be done together with the finalization of the exp. hutches. |
| Action | Space for DAQ and front-end racks need to be allocated |
| Who | Chris Youngman | When | 9 Dec 2011 |

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| Problem  | Parts of both the FXE and the SQS 2 instruments are not accessible for floor transports and would always require a crane |
| Solution | No solution yet |
| Action | Investigate an alternative access/transport concept |
| Who | M. Meyer, C. Bressler | When |  9 Dec 2011 |

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| Problem  | There is not enough space for the laser hutches in the experimental area. |
| Solution | Place the laser hutch between the experimental areas and lead the blocked escape path with stairs over the hutches |
| Action | Get a statement from WP36 whether an escape path with stairs over the laser hutches is acceptable |
| Who | Tobias Haas | When | 9 Dec 2011 |

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| Problem  | Long laser beam lines degrade the laser pulses |
| Solution | Make short beam lines |
| Action | Develop a first laser beam line concept |
| Who | Max Lederer | When | 9 Dec 2011 |

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| Problem  | Space is very tight between the three photon beam lines |
| Solution | Increase the distance between at least two beam lines |
| Action | Investigate whether the distance of the beam lines can be increased |
| Who | H. Sinn, T. Haas | When | 9 Dec 2011 |