

## Discussion on addressed topics and on integration issues between WG1, 2 and 3

*Friday, 12 December 2008 12:00 (30 minutes)*

### Power coupler:

- Define the conceptual design, the layout of cooling (including thermal loads) and diagnostical tools, choice of materials (waveguide, window)
- Perform multipactor studies, assess methods of multipactor suppression and elaborate coating techniques
- Acquire data on the secondary emission coefficient (SEC) of materials involved
- Identify manufacture and conditioning facilities
- Identify required equipment for coating and conditioning

### Frequency tuner

- Perform by computer simulation Lorentz-force detuning studies of cavity design and confirm by measurement
- Develop and test slow tuner; integrate the design into that of the cryomodule
- Develop and test fast tuner; integrate the design into that of the cryomodule
- Develop scenarios for failing cavities (detuning)

### Magnetic shielding

- Design by computer simulation or analytically the magnetic shielding; manufacture it

Identify potential contributors and deadlines

**Session Classification:** Working Group 2 - Session 3