CERN, V.Parma, 4th November 2011

Conceptual Review of the SPL Short Cryomodule, CERN 4th November 2011

Goals:

- present cryomodule user's needs and design requirements
- review dressed cavity assembly (the "cold mass" to be integrated)
- review cryostat main concepts:
  - General layout and integration
  - Cavity supporting system
  - Vacuum vessel and cryostat assembly concepts
  - Magnetic shielding
  - Thermal shielding
  - Cryogenic scheme, control and diagnostic devices (valves, instrumentation)

Reviewers: R.Garoby, CERN BE-HDO (Chair); C.Hauviller, CERN EN-HDO; L.Tavian, CERN TE-CRG; P.Bosland, CEA-Saclay; H.Saugnac, IPNO-Orsay.

IMPORTANT NOTE TO PRESENTERS: PLEASE KEEP 5' OF YOUR TIME FOR QUESTIONS!!

Agenda:

8:45-8:50 Welcome (R.Garoby), 5';
8:50-9:20 The Short Cryomodule: requirements (V.Parma), 30';
9:20-9:50 Cryogenic scheme, pipes and valves dimensions (U.Wagner, CERN), 30';
9:50-10:20 The cavity/helium vessel/tuner assembly (O.Capatina, CERN), 30';

10:20-10:40 Coffee break, 20';

10:40-11:20 Cavity supporting system (A.Vande Craen, P.Azevedo, CERN), 40';
11:20-12:00 Vacuum vessel and assembly tooling and procedures (P.Duthil, CNRS), 40'
12:00-12:30 Magnetic shielding and thermal shielding (P.Duthil, CNRS), 30';

12:30-13:30 Lunch break, 60'

13:30-14:15 Cryogenic line circuits, Technical Service Module (P.Duthil, CNRS), 45';

14:15-14:45 Questions from the reviewers, 30';

14:45-15:15 Coffee break, 30';

14:45-16:00 Reviewers' closed session, 1h 15';
16:00-16:30 Recommendations from reviewers and Conclusions

16:30 Adjourn