

# Meeting schedule and goals

R. Garoby – 11/11/2009

**Third SPL Collaboration Meeting  
11-13 November, 2009 - CERN**

# Meeting Organization

## Remark

*The SPL collaboration (unfortunately!) does not cover all subjects: beam instrumentation, magnets, controls... are deliberately not on the agenda.*

## WORKING GROUPS:

**WG 1:** RF equipment (RF distribution, amplitude/phase modulators, circulators, loads...)

**WG 2:** Cavity design (Geometric beta, high power coupler, HOM damper/coupler, tuner...) and construction (Manufacturers, processing facilities, low power RF tests...)

**WG 3:** Cryomodule and integration (Design, construction, assembly...)

**WG 4:** Beam dynamics and loss management (Collective effects, H<sup>-</sup> stripping, collimation...)

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- Accelerator architecture
- Integration & Civil Engineering

# Meeting Schedule (1/4)



## Wednesday 11, November

09:00	Welcome (05')	Lyn Evans (CERN)
09:05	Status of goals and means for the SPL study (20') (  )  Slides   )	Roland Garoby (CERN)
09:25	Meeting goals (20')	Roland Garoby (CERN)
09:45	Coffee break (30') ( <a href="#">30-7-018 (TE Auditorium Kjell Johnsen)</a> )	
10:15	CEA plans for XFEL (35')	Stéphane Chel (CEA-Saclay)
10:50	News from SNS (35')	Sang-Ho Kim (SNS Oak Ridge)
11:25	News from Project-X (35') (  Slides  )	Ralph Pasquinelli (Fermilab/RF)
12:00	News from ESS (35') (  Slides   )	Cristina Oyon (ESS Bilbao)
12:35	Lunch (1h25') ( --- )	
14:00	Report from WG1 (RF) and objectives of the meeting (20') ( <a href="#">30-7-018 (TE auditorium)</a> )	
14:20	Report from WG2 (Cavities) and objectives of the meeting (20') ( <a href="#">30-7-018 (TE auditorium)</a> )	
14:40	Report from WG3 (Cryomodule) and objectives of the meeting (20') ( <a href="#">30-7-018 (TE auditorium)</a> )	
15:00	Report from WG4 (Beam dynamics) and objectives of the meeting (20') ( <a href="#">30-7-018 (TE auditorium)</a> )	
15:20	Status of architecture and open questions (20') (  slides  )	Frank Gerigk (CERN)
15:40	Status of integration/civil engineering and open questions (20') (  slides   )	Sylvain Weisz (CERN)
16:00	Coffee break (30') ( <a href="#">TE Auditorium</a> )	



# Meeting Schedule (2/4)

## Wednesday 11, November

### 16:30->17:30 1st session WG1 ( [30-7-012](#) )

- |       |  |                                    |
|-------|--|------------------------------------|
| 16:30 | Review of RF distribution layouts and power requirements (15')   | Edmond Ciapala (CEFR)              |
| 16:45 | Modulators - Company presentation - SCANDINOVA (15')   |                                    |
| 17:00 | Magnetron Power Sources (15') (  slides  ) | Amos Dexter (Lancaster University) |
| 17:15 | The CEA Tuner Design (15')   | Guillaume Devanz (CEFR)            |

### 16:30->17:30 1st combined session WG2 & WG4 ( [30-7-018](#) (TE auditorium) )

- |       |   |  |
|-------|---|--|
| 16:30 | Brief report on the HOM workshop (20')  | Alessandra Lombardi (CEFR)   |
| 16:50 | On the baseline HOM damping scheme for SPL Beta = 1 cavities (20')  | Hans-Walter Glock (Institut für Allgemeine Elektrotechnik Universität Rostock) |
| 17:10 | Higher order modes in the SPL, transverse and longitudinal effects (20') (  Slides  ) | Marcel Schuh (CEFR)  |










### 16:30->17:30 1st session WG3 ( [30-6-017](#) )

- |       |  |                         |
|-------|--|-------------------------|
| 16:30 | Sectorisation layouts: options and impact on cryo-modules (20')    | Vittorio Parma (CEFR)   |
| 16:50 | Dimensions, pressures and temperatures of cryogenic circuits (20') | Udo Wagner (CEFR)       |
| 17:10 | Cryo-module longitudinal layouts (20')                             | Thierry Renaglia (CEFR) |

























19:00 Collaboration Dinner (no host) (2h00') (Glassbox (restaurant no 1) )

Thursday 12, November

14:00->16:00    **Joint session: questions / interactions  
between WGs**

14:00	   Interaction between Working Groups (1h00')	Roland Garoby (CEP)
15:00	   Discussion on SPL architecture (30')	Frank Gerigk (CEP)
15:30	   Discussion on integration and civil engineering (30')	Sylvain Weisz (CEP)

## Friday 12, November

09:00	   WG1 summary & plan with recommendations to the CB (30') ( <a href="#">4-3-006 (TH auditorium)</a> )	Edmond Ciapala (CERN)
	High and Low Power RF	
09:30	   WG2 summary & plan with recommendations to the CB (30') ( <a href="#">4-3-006 (TH auditorium)</a> )	Wolfgang Weingarten (CERN)
	Superconducting RF cavities	
10:00	   WG3 summary & plan with recommendations to the CB (30') ( <a href="#">4-3-006 (TH auditorium)</a> )	Vittorio Parma (CERN)
	Cryomodule	
10:30	   WG4 summary & plan with recommendations to the CB (30') ( <a href="#">4-3-006 (TH auditorium)</a> )	Alessandra Lombardi (CERN)
	Beam dynamics	
11:00	Coffee break (30') ( <a href="#">Pas Perdus (61-1-201)</a> )	
11:30	   Summaries and recommendation for architecture (20') ( <a href="#">4-3-006 (TH auditorium)</a> )	Frank Gerigk (CERN)
11:50	   Summaries and recommendation for integration and civil engineering (20') ( <a href="#">4-3-006 (TH auditorium)</a> )	Sylvain Weisz (CERN)
12:10	   Plans for future meetings / life of the collaboration (20') ( <a href="#">4-3-006 (TH auditorium)</a> )	Roland Garoby (CERN)
12:30	Collaboration Lunch (by invitation only) (1h30') (Glassbox (restaurant no 1) )	
14:00	   1st meeting of the Collaboration Board: (2h00') ( <a href="#">Room B</a> )	
	<ul style="list-style-type: none"> <li>• Elections (chair- and spokes-persons)</li> <li>• Status of the collaboration (signatures, associate members...)</li> <li>• Analysis of progress and possible actions</li> <li>• Report &amp; recommendations to the management</li> </ul>	

# Meeting Goals

- to inform all partners of the progress of the SPL proposal,
- to hear about recent technical achievements, and check the overall technical progress with respect to expectations,
- to guide future work (priorities, distribution of tasks...),
- to inform about the status of the collaboration,
- to organize the collaboration (next meeting(s), workshops etc.).

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Publication of a Summary document  
within ~4 weeks