

3rd SPL Collaboration Meeting

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Wednesday 11 November 2009 09:00 (5 minutes)

Presenter: EVANS, Lyn (CERN)

Contribution ID: 1

Type: **not specified**

Status of goals and means for the SPL study

Wednesday 11 November 2009 09:05 (20 minutes)

Presenter: GAROBY, Roland (CERN)

Contribution ID: 2

Type: **not specified**

Meeting goals

Wednesday 11 November 2009 09:25 (20 minutes)

Presenter: GAROBY, Roland (CERN)

Contribution ID: 3

Type: **not specified**

News from ESS

Wednesday 11 November 2009 12:00 (35 minutes)

Presenter: OYON, Cristina (ESS Bilbao)

Contribution ID: 4

Type: **not specified**

News from SNS

Wednesday 11 November 2009 10:50 (35 minutes)

Author: KIM, Sang-Ho (SNS Oak Ridge)

Presenter: KIM, Sang-Ho (SNS Oak Ridge)

Contribution ID: 5

Type: **not specified**

News from Project-X

Wednesday 11 November 2009 11:25 (35 minutes)

Presenter: Mr PASQUINELLI, Ralph (Fermilab/RF)

Contribution ID: 6

Type: **not specified**

CEA plans for XFEL

Wednesday 11 November 2009 10:15 (35 minutes)

Presenter: CHEL, Stéphane (CEA-Saclay)

Contribution ID: 7

Type: **not specified**

Report from WG1 (RF) and objectives of the meeting

Wednesday 11 November 2009 14:00 (20 minutes)

Presenter: CIAPALA, Edmond (CERN)

Contribution ID: 8

Type: **not specified**

Report from WG2 (Cavities) and objectives of the meeting

Wednesday 11 November 2009 14:20 (20 minutes)

Presenter: WEINGARTEN, Wolfgang (CERN)

Contribution ID: 9

Type: **not specified**

Report from WG3 (Cryomodule) and objectives of the meeting

Wednesday 11 November 2009 14:40 (20 minutes)

Presenter: PARMA, Vittorio (CERN)

Contribution ID: **10**

Type: **not specified**

Report from WG4 (Beam dynamics) and objectives of the meeting

Wednesday 11 November 2009 15:00 (20 minutes)

Presenter: LOMBARDI, Alessandra (CERN)

Contribution ID: **11**

Type: **not specified**

Status of architecture and open questions

Wednesday 11 November 2009 15:20 (20 minutes)

Presenter: GERIGK, Frank (CERN)

Contribution ID: 12

Type: **not specified**

Status of integration/civil engineering and open questions

Wednesday 11 November 2009 15:40 (20 minutes)

Presenter: Dr WEISZ, Sylvain (CERN)

Contribution ID: **13**

Type: **not specified**

1st session WG1

Contribution ID: **14**

Type: **not specified**

1st session WG2

Contribution ID: **15**

Type: **not specified**

1st session WG3

Contribution ID: **16**

Type: **not specified**

1st session WG4

Contribution ID: 17

Type: **not specified**

2nd session WG1

Contribution ID: **18**

Type: **not specified**

2nd session WG2

Contribution ID: **19**

Type: **not specified**

2nd session WG3

Contribution ID: **20**

Type: **not specified**

2nd session WG4

Contribution ID: **21**

Type: **not specified**

3rd session WG1

Contribution ID: **22**

Type: **not specified**

3rd session WG2

Contribution ID: **23**

Type: **not specified**

3rd session WG3

Contribution ID: **24**

Type: **not specified**

3rd session WG4

Contribution ID: 25

Type: **not specified**

3rd session WG4

Contribution ID: 26

Type: **not specified**

Joint session: questions / interactions between WGs

Contribution ID: 27

Type: **not specified**

4th session WG1

Contribution ID: **28**

Type: **not specified**

4th session WG2

Contribution ID: **29**

Type: **not specified**

4th session WG3

Contribution ID: **30**

Type: **not specified**

4th session WG4

Contribution ID: **31**

Type: **not specified**

WG1 summary & plan with recommendations to the CB

Friday 13 November 2009 09:00 (30 minutes)

High and Low Power RF

Author: CIAPALA, Edmond (CERN)

Presenter: CIAPALA, Edmond (CERN)

Contribution ID: **32**

Type: **not specified**

WG2 summary & plan with recommendations to the CB

Friday 13 November 2009 09:30 (30 minutes)

Superconducting RF cavities

Author: WEINGARTEN, Wolfgang (CERN)

Presenter: WEINGARTEN, Wolfgang (CERN)

Contribution ID: **33**

Type: **not specified**

WG3 summary & plan with recommendations to the CB

Friday 13 November 2009 10:00 (30 minutes)

Cryomodule

Author: PARMA, Vittorio (CERN)

Presenter: PARMA, Vittorio (CERN)

Contribution ID: **34**

Type: **not specified**

WG4 summary & plan with recommendations to the CB

Friday 13 November 2009 10:30 (30 minutes)

Beam dynamics

Author: LOMBARDI, Alessandra (CERN)

Presenter: LOMBARDI, Alessandra (CERN)

Contribution ID: 35

Type: **not specified**

Summaries and recommendation for architecture

Friday 13 November 2009 11:30 (20 minutes)

Presenter: GERIGK, Frank (CERN)

Contribution ID: **36**

Type: **not specified**

Summaries and recommendation for integration and civil engineering

Friday 13 November 2009 11:50 (20 minutes)

Presenter: Dr WEISZ, Sylvain (CERN)

Contribution ID: 37

Type: **not specified**

Plans for future meetings / life of the collaboration

Friday 13 November 2009 12:10 (20 minutes)

Presenter: GAROBY, Roland (CERN)

Contribution ID: **38**

Type: **not specified**

1st meeting of the Collaboration Board:

Friday 13 November 2009 14:00 (2 hours)

- Elections (chair- and spokes-persons)
- Status of the collaboration (signatures, associate members...)
- Analysis of progress and possible actions
- Report & recommendations to the management

Contribution ID: 39

Type: **not specified**

On the baseline HOM damping scheme for SPL Beta = 1 cavities

Wednesday 11 November 2009 16:50 (20 minutes)

Presenter: Dr GLOCK, Hans-Walter (Institut für Allgemeine Elektrotechnik Universität Rostock)

Session Classification: 1st combined session WG2 & WG4

Contribution ID: 40

Type: **not specified**

Higher order modes in the SPL, transverse and longitudinal effects

Wednesday 11 November 2009 17:10 (20 minutes)

Presenter: SCHUH, Marcel (CERN)

Session Classification: 1st combined session WG2 & WG4

Contribution ID: **41**

Type: **not specified**

To be specified

Presenter: DUPERRIER, Romuald (CEA)

Contribution ID: 42

Type: **not specified**

Required interfaces for cryostat design/integration

Thursday 12 November 2009 09:00 (20 minutes)

Presenter: DUTHIL, Patxi (IPNO - IN2P3 - CNRS)

Session Classification: 2nd combined session WG1 & WG2 & WG3

Contribution ID: 43

Type: **not specified**

Mechanical layout and technical specification of the cavity-tuner-He-tank unit

Thursday 12 November 2009 09:20 (20 minutes)

Presenter: CAPATINA, Ofelia (CERN)

Session Classification: 2nd combined session WG1 & WG2 & WG3

Contribution ID: 44

Type: **not specified**

Tuner design and performance

Thursday 12 November 2009 09:40 (20 minutes)

Presenter: DEVANZ, Guillaume (CEA)

Session Classification: 2nd combined session WG1 & WG2 & WG3

Contribution ID: 45

Type: **not specified**

SPL cavity design by CEA-Saclay

Thursday 12 November 2009 10:30 (20 minutes)

Presenter: PLOUIN, Juliette (CEA)

Session Classification: 3rd session WG2

Contribution ID: 46

Type: **not specified**

SPL cavity design by CNRS-IPN-Orsay

Thursday 12 November 2009 10:50 (20 minutes)

Presenter: OLRÉ, Guillaume (IPNO - IN2P3 - CNRS)

Session Classification: 3rd session WG2

Contribution ID: 47

Type: **not specified**

Conclusions of mini-workshop on Mechanical issues SPL cavities/cryomodules

Thursday 12 November 2009 11:10 (20 minutes)

Presenter: CAPATINA, Ofelia (CERN)

Session Classification: 3rd session WG2

Contribution ID: 48

Type: **not specified**

Surface treatments at CERN

Thursday 12 November 2009 11:30 (20 minutes)

Presenter: MARQUES ANTUNES FERREIRA, Leonel (CERN)

Session Classification: 3rd session WG2

Contribution ID: 49

Type: **not specified**

SPL-eRHIC cavity and cryomodule design at BNL

Thursday 12 November 2009 17:50 (20 minutes)

Presenter: CALAGA, Rama (BNL)

Session Classification: 4th session WG2

Contribution ID: 50

Type: **not specified**

TRIUMF involvement in the SPL Study

Thursday 12 November 2009 17:15 (15 minutes)

Presenter: LAXDAL, Robert (TRIUMF)

Session Classification: 4th session WG2

Contribution ID: 51

Type: **not specified**

Magnetic shielding: Metallurgy and electromagnetic simulations

Thursday 12 November 2009 17:30 (20 minutes)

Presenters: SGOBBA, Stefano (CERN); JUNGINGER, Tobias (CERN)

Session Classification: 4th session WG2

Contribution ID: 52

Type: **not specified**

Setting up of WG2 summary report with recommendations to the Collaboration Board

Thursday 12 November 2009 16:30 (30 minutes)

Presenters: CHEL, Stéphane (CEA-Saclay); WEINGARTEN, Wolfgang (CERN)

Session Classification: 4th session WG2

Contribution ID: 53

Type: **not specified**

Design considerations for the SPL power coupler

Presenter: MONTESINOS, Eric (CERN)

Contribution ID: 54

Type: **not specified**

Focusing : Doublet vs FODO structure : beam dynamics and layout

Thursday 12 November 2009 09:00 (20 minutes)

Presenter: ESHRAQI, Mohammad (CERN)

Session Classification: 2nd session WG4

Contribution ID: 55

Type: **not specified**

Discussion: Doublets vs. FODO : is there a preferred focusing structure?

Thursday 12 November 2009 09:20 (30 minutes)

Session Classification: 2nd session WG4

Contribution ID: 56

Type: **not specified**

Sensitivity study on the SPL : definition of alignemnet tolerances, diagnostics and correction systems

Thursday 12 November 2009 10:30 (20 minutes)

Presenter: POSOCCO, Piero (CERN)

Session Classification: 3rd combined session WG3 & WG4

Contribution ID: 57

Type: **not specified**

Discussion on beam diagnostics and correction system - animated by P. Posocco

Thursday 12 November 2009 11:30 (30 minutes)

Session Classification: 3rd session WG4

Contribution ID: 58

Type: **not specified**

Discussion on future work and preparation of summary - animated by A . Lombardi

Thursday 12 November 2009 12:00 (30 minutes)

Session Classification: 3rd session WG4

Contribution ID: 59

Type: **not specified**

From Linac4 to SPL

Thursday 12 November 2009 16:30 (20 minutes)

Presenter: ESHRAQI, Mohammad (CERN)

Session Classification: 4th session WG4

Contribution ID: **60**

Type: **not specified**

Collimation in the SPL transfer line & integration of waveguide ducts

Thursday 12 November 2009 16:50 (20 minutes)

Presenter: STASZCZAK, Marcin (Soltan Institute)

Session Classification: 4th session WG4

Contribution ID: **61**

Type: **not specified**

Collimator design : plans at STFC

Thursday 12 November 2009 17:10 (20 minutes)

Presenter: FERNANDEZ, Luis (STFC)

Session Classification: 4th session WG4

Contribution ID: **62**

Type: **not specified**

SPL to PS2 transfer line and PS2 injection requirements

Thursday 12 November 2009 17:30 (20 minutes)

Presenter: WOLFGANG, Bartmann (CERN)

Session Classification: 4th session WG4

Contribution ID: **63**

Type: **not specified**

Sectorisation layouts: options and impact on cryo-modules

Wednesday 11 November 2009 16:30 (20 minutes)

Presenter: PARMA, Vittorio (CERN)

Session Classification: 1st session WG3

Contribution ID: **64**

Type: **not specified**

Dimensions, pressures and temperatures of cryogenic circuits

Wednesday 11 November 2009 16:50 (20 minutes)

Presenter: WAGNER, Udo (CERN)

Session Classification: 1st session WG3

Contribution ID: 65

Type: **not specified**

Cryo-module longitudinal layouts

Wednesday 11 November 2009 17:10 (20 minutes)

Presenter: RENAGLIA, Thierry (CERN)

Session Classification: 1st session WG3

Contribution ID: **66**

Type: **not specified**

SPL coupler options and integration requirements

Thursday 12 November 2009 11:50 (20 minutes)

Presenter: MONTESINOS, Eric (CERN)

Session Classification: 3rd combined session WG1 & WG2 & WG3 (30-7-018 TE Auditorium)

Contribution ID: 67

Type: **not specified**

Cryo-modules for ERL at BNL

Thursday 12 November 2009 11:30 (20 minutes)

Presenter: CALAGA, Rama (BNL)

Session Classification: 3rd session WG3

Contribution ID: **68**

Type: **not specified**

Brief report on the HOM workshop

Wednesday 11 November 2009 16:30 (20 minutes)

Presenter: LOMBARDI, Alessandra (CERN)

Session Classification: 1st combined session WG2 & WG4

Contribution ID: 69

Type: **not specified**

A non invasive technique for transverse beam envelope matching and its consequence on the cryomodule layout

Thursday 12 November 2009 10:50 (20 minutes)

Presenter: DUPERRIER, Romuald (Unknown)

Session Classification: 3rd combined session WG3 & WG4

Contribution ID: 70

Type: **not specified**

Overview of SLAC cavity simulation and beam interaction program packages

Thursday 12 November 2009 17:00 (15 minutes)

Presenter: Dr MOLLOY, Stephen (Royal Holloway, University of London)

Session Classification: 4th session WG2

Contribution ID: 71

Type: **not specified**

Review of RF distribution layouts and power requirements

Wednesday 11 November 2009 16:30 (15 minutes)

Presenter: CIAPALA, Edmond (CERN)

Session Classification: 1st session WG1

Contribution ID: 72

Type: **not specified**

Modulators - Company presentation - SCANDINOVA

Wednesday 11 November 2009 16:45 (15 minutes)

Presenter: ELMQUIST, Klas (SCANDINOVA SYSTEMS AB)

Session Classification: 1st session WG1

Contribution ID: 73

Type: **not specified**

Magnetron Power Sources

Wednesday 11 November 2009 17:00 (15 minutes)

Presenter: DEXTER, Amos (Lancaster University)

Session Classification: 1st session WG1

Contribution ID: 74

Type: **not specified**

The CEA Tuner Design

Presenter: DEVANZ, Guillaume (CEA)

Contribution ID: 75

Type: **not specified**

Coupleurs XFEL-Spécifications Techniques et Stratégie Industrielle

Thursday 12 November 2009 10:30 (20 minutes)

Presenter: FALOU, Aboud (Laboratoire de l'Accélérateur Lineaire (LAL) (IN2P3) (LAL))

Session Classification: 3rd session WG1

Contribution ID: 76

Type: **not specified**

Conditionnement HF des coupleurs TTF-3 et critères XFEL

Thursday 12 November 2009 10:50 (20 minutes)

Presenter: Ms LUKOVAC, Lucija (LAL)

Session Classification: 3rd session WG1

Contribution ID: 77

Type: **not specified**

CEA Saclay Coupler Tests

Thursday 12 November 2009 11:10 (20 minutes)

Presenter: DEVANZ, Guillaume (CEA)

Session Classification: 3rd session WG1

Contribution ID: 78

Type: **not specified**

Development paths for High average RF Power Couplers

Thursday 12 November 2009 17:20 (20 minutes)

Presenter: MONTESINOS, Eric (CERN)

Session Classification: 4th session WG1

Contribution ID: 79

Type: **not specified**

Lorentz force detuning measurements on the CEA cavity

Thursday 12 November 2009 16:30 (20 minutes)

Presenter: Mr VALUCH, Daniel (CERN)

Session Classification: 4th session WG1

Contribution ID: **80**

Type: **not specified**

RF simulations

Thursday 12 November 2009 16:50 (30 minutes)

Presenters: HERNANDEZ FLANO, Matias; HOFLE, Wolfgang (CERN)

Session Classification: 4th session WG1

Contribution ID: **81**

Type: **not specified**

Preparation of WG1 summary

Thursday 12 November 2009 17:40 (40 minutes)

Session Classification: 4th session WG1

Contribution ID: **82**

Type: **not specified**

Discussion on SPL coupler

Thursday 12 November 2009 12:10 (20 minutes)

Session Classification: 3rd combined session WG1 & WG2 & WG3 (30-7-018 TE Auditorium)

Contribution ID: **83**

Type: **not specified**

Interaction between Working Groups

Thursday 12 November 2009 14:00 (1 hour)

Presenter: GAROBY, Roland (CERN)

Session Classification: Joint session: questions / interactions between WGs

Contribution ID: **84**

Type: **not specified**

Discussion on SPL architecture

Thursday 12 November 2009 15:00 (30 minutes)

Presenter: GERIGK, Frank (CERN)

Session Classification: Joint session: questions / interactions between WGs

Contribution ID: 85

Type: **not specified**

Discussion on integration and civil engineering

Thursday 12 November 2009 15:30 (30 minutes)

Presenter: Dr WEISZ, Sylvain (CERN)

Session Classification: Joint session: questions / interactions between WGs

Contribution ID: **86**

Type: **not specified**

Survey and alignment techniques for SPL

Thursday 12 November 2009 11:10 (20 minutes)

Presenter: MISSIAEN, Dominique (CERN)

Session Classification: 3rd combined session WG3 & WG4

Contribution ID: 87

Type: **not specified**

Warm quadrupole magnets

Thursday 12 November 2009 16:30 (20 minutes)

Presenter: Dr TOMMASINI, Davide (CERN)

Session Classification: 4th session WG3

Contribution ID: **88**

Type: **not specified**

Interactive session

Thursday 12 November 2009 16:50 (1h 10m)

- list of open issues
- future plans

Session Classification: 4th session WG3