



# Meeting schedule and goals

R. Garoby – 30/06/2010

**Fourth SPL Collaboration Meeting jointly with ESS  
30 June - 2 July 2010 / Lund**

# Introduction

***This meeting is the first one organized jointly with ESS:***

*⇒ It encompasses more subjects than previous SPL collaboration meetings*

*⇒ It should make it even more interesting, and this feeling is clearly shared by international partners through a record participation (59 registered persons!)*

*⇒ It is a unique opportunity to enhance connection between ESS, SPL and similar projects world-wide (Project-X, SNS, J-PARC, ...).*



# Meeting Schedule (1/5)

## Wednesday 30, June - Morning

09:00	<b>Welcome and introduction</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>CARLILE, Colin</i> 09:10 - 09:20
	<b>ESS linac design update</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>OYON, Cristina</i> 09:20 - 09:40
10:00	<b>Status of the SPL study</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>GAROBY, Roland</i> 📁 09:40 - 10:10
	<b>SPL architecture and parameter space</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>GERIGK, Frank</i> 10:10 - 10:30
	<b>Coffee break</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	10:30 - 11:00
11:00	<b>SNS power upgrade plan</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>MAMMOSSER, John</i> 11:00 - 11:20
	<b>Project X</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>HOLMES, Stephen</i> 11:20 - 11:40
	<b>Myrrha</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>BIARROTTE, Jean-Luc</i> 11:40 - 12:00
12:00	<b>JPARC Linac status &amp; upgrade</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>HASEGAWA, Kazuo</i> 12:00 - 12:20
	<b>Meeting goals</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>GAROBY, Roland</i> 12:20 - 12:30



# Meeting Schedule (2/5)

## Wednesday 30, June - Afternoon

	<i>Lukassalen / Piratensalen, Grand Hotel</i>	12:30 - 14:00
14:00	<b>Status of RF system (SPL WG1 report)</b>	<i>CIAPALA, Edmond</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:00 - 14:20
	<b>High-power RF test stand at CERN</b>	<i>CIAPALA, Edmond et al.</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:20 - 14:40
	<b>Klystron modulators, JEMA</b>	<i>GANUZA, Daniel</i> 📄
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:40 - 14:50
	<b>Klystron modulators, SCANDINOVA</b>	<i>ELMQUIST, Klas</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:50 - 15:00
15:00	<b>Progress on LLRF</b>	<i>HOFLE, Wolfgang</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:00 - 15:15
	<b>LLRF2</b>	<i>HERNANDEZ FLANO, Matias</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:15 - 15:30
	<b>Coffee break</b>	
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:30 - 16:00
16:00	<b>RF test stand at Uppsala</b>	<i>RUBER, Roger</i> 📄
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:00 - 16:20
	<b>Preliminary Layout of the ESS RF System</b>	<i>RATHSMAN, Karin</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:20 - 16:40
	<b>CERN environment for low-power tests</b>	<i>WEINGARTEN, Wolfgang</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:40 - 16:50
17:00	<b>Discussion on requirements for the various RF test places animated by:</b>	<i>RUBER, Roger et al.</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:50 - 17:50
18:00		

# Meeting Schedule (3/5)

## Thursday 1, July - Morning

	<b>Status of SC cavity development (SPL WG2 report)</b>	<i>WEINGARTEN, Wolfgang</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	08:30 - 08:50
09:00	<b>ESS spoke cavities (ESS WP4 report)</b>	<i>OLRY, Guillaume</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	08:50 - 09:10
	<b>ESS elliptical cavities (ESS WP5 report tbd)</b>	<i>DEVANZ, Guillaume</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	09:10 - 09:30
	<b>Development of SC spoke resonators at FNAL</b>	<i>APOLLINARI, Giorgio</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	09:30 - 09:45
	<b>Development of <math>b=0.65</math> cavity</b>	<i>OLRY, Guillaume</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	09:45 - 10:00
10:00	<b>Coffee break</b>	
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	10:00 - 10:30
	<b>Shape of <math>b=1</math> cavity and cut-off tubes</b>	<i>BEN-ZVI, Ilan</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	10:30 - 10:45
	<b>Activities at RHUL</b>	<i>MOLLOY, Stephen</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	10:45 - 11:00
11:00	<b>Progress at CEA</b>	<i>CHEL, Stephane</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	11:00 - 11:15
	<b>Mechanical design considerations for <math>b=1</math> cavities</b>	<i>CAPATINA, Ofelia</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	11:15 - 11:45
	<b>HOM coupler studies</b>	<i>GLOCK, Hans-Walter</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	11:45 - 12:00
12:00	<b>Various approaches to electromagnetic field simulations for RF cavities</b>	<i>CONG, Liu</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	12:00 - 12:15



# Meeting Schedule (4/5)

**Thursday 1, July  
- Afternoon**

14:00	<b>Status of cryo-module development at CERN (SPL WG3 report)</b>	<i>PARMA, Vittorio</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:00 - 14:20
	<b>Mechanical aspects of cryo-module and He-vessel</b>	<i>CAPATINA, Ofelia</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:20 - 14:40
	<b>Activities at CNRS</b>	<i>DUCHESNE, Patricia</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	14:40 - 15:00
15:00	<b>Infrastructure at ESS (ESS, WP3 report)</b>	<i>EGUIA, Josu</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:00 - 15:15
	<b>Virtual reality model of ESS linac, what is possible?</b>	<i>MCFAUL, Karl</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:15 - 15:30
	<b>Energy efficiency</b>	<i>PARKER, Thomas</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:30 - 15:45
16:00	<b>Coffee break</b>	
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	15:45 - 16:05
	<b>Proton source and ESS front-end (ESS, WP6 report)</b>	<i>GAMMINO, Santo</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:05 - 16:25
	<b>ESS accelerator science (ESS, WP2 report)</b>	<i>PEGGS, Stephen</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:25 - 16:45
	<b>Instrumentation for Project X</b>	<i>WENDT, Manfred</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	16:45 - 17:00
17:00	<b>Simulation work for ESS Bilbao (title t.b.c.)</b>	<i>BUSTINDUY, Ibon</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	17:00 - 17:15
	<b>Status of SPL beam dynamics (SPL WG4 report)</b>	<i>LOMBARDI, Alessandra</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	17:15 - 17:35
	<b>Lattice options &amp; instrumentation for the SPL</b>	<i>ESHRAQI, Mohammad</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	17:35 - 17:50
18:00	<b>Considerations for an SPL dump</b>	<i>OTTO, Thomas</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	17:50 - 18:05
	<b>High-energy beam transport for ESS (ESS, WP7 report)</b>	<i>PAPE-MøLLER, Søren</i>
	<i>Lukassalen / Piratensalen, Grand Hotel</i>	18:05 - 18:20
	<b>Collaboration Dinner</b>	



# Meeting Schedule (5/5)

## Friday 2, July - Morning

09:00	<b>Technical summary and conclusions for the SPL</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>GERIGK, Frank</i> 08:45 - 09:05
	<b>Technical summary and conclusions for the ESS</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>LINDROOS, Mats</i> 09:05 - 09:25
	<b>Closing remarks</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>STEVE, Holmes</i> 09:25 - 09:45
10:00	<b>Coffee break</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	09:45 - 10:15
	<b>Updated version of the SPL collaboration document</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	<i>GAROBY, Roland</i> 10:15 - 10:35
	<b>The ESS collaboration (speaker tbd)</b> <i>Lukassalen / Piratensalen, Grand Hotel</i>	10:35 - 10:55
11:00	<b>Discussion</b>	
12:00	<i>Lukassalen / Piratensalen, Grand Hotel</i>	10:55 - 12:25
	<b>Lunch Break</b>	
13:00	<i>Lukassalen / Piratensalen, Grand Hotel</i>	12:25 - 13:30

# Meeting Goals

- to inform about the status and plans of the sc linac projects worldwide,
- 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 update and enhance collaborations,
- to organize the future connections between projects (meetings, workshops etc.).



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Publication of a joint ESS-SPL summary document before the end of the summer