

# Two-beam Module Review – 15/16.09.2009

WELCOME, AIM AND AGENDA

# Aim of the review

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The aim of the CLIC Two-Beam Module review is the following:

- ▶ Present the module baseline for the CDR and few selected alternatives
  - ▶ Review the baseline design for the module
    - ▶ technical design of the different systems,
    - ▶ their integration,
    - ▶ strategy for transport and installation
  - ▶ Consider alternative design for selected technical systems
- ▶ Update baseline and alternatives, if necessary
- ▶ Review R&D and engineering efforts for the completion of the CDR
- ▶ Update workplan, milestones, cost estimate, manpower requirements

# Program

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- ▶ Introduction
- ▶ Main requirements (beam physics and RF)
- ▶ Technical systems (focus on baseline and show alternatives)
- ▶ Integration (module and impact on tunnel)
- ▶ Validation (mock-ups and test modules)
- ▶ Cost issues
  
- ▶ Conclusions and future actions

Meeting over two days → 15-16 September 2009  
Report of results at the CLIC workshop and CTC

# Program on 15 September 2009

Time	Title	Speakers
08:45-09:00	<b>Welcome and presentation of the agenda</b>	G. Riddone
09:00-09:20	<b>Introduction.</b> Charge for CDR	H. Schmickler
09:30-09:50	<b>Introduction.</b> Introduction to module layout and types	G. Riddone
10:30-10:50	<b>Main requirements.</b> Beam dynamics requirements	D. Schulte
11:00-11:20	<b>Main requirements.</b> RF system requirements	W. Wuensch
11:30-11:50	<b>Technical systems.</b> Pre-alignment systems	H. Mainaud Durand
12:00-12:20	<b>Technical systems.</b> Stabilisation system	K. Artoos
14:00-14:20	<b>Technical systems.</b> Supporting system for structure	R. Nousiainen
14:30-14:50	<b>Technical systems.</b> Cooling system	R. Nousiainen
15:00-15:20	<b>Technical systems.</b> Vacuum system and interconnections	C. Garion
16:00-16:20	<b>Technical systems.</b> Instrumentation and diagnostics. Beam instrumentation	L. Soby
16:30-16:50	<b>Technical systems.</b> Instrumentation and diagnostics. RF instrumentation	A. Andersson
17:00-17:20	<b>Technical systems.</b> Radiation issues	S. Mallows

# Program on 16 September 2009

Time	Title	Speakers
08:45-09:00	<b>Presentation of the agenda</b>	G. Riddone
09:00-09:20	<b>Technical systems.</b> Magnet system	M. Modena
09:30-09:50	<b>Technical systems.</b> Actuators for main beam feedback	H. Schmickler
10:30-10:50	<b>Integration, validation and cost.</b> System integration in the module	A. Samoshkin
11:00-11:20	<b>Integration, validation and cost.</b> Impact on tunnel integration. Introduction to the tunnel cross-section	J. Osborne
11:30-11:50	<b>Integration, validation and cost.</b> Impact on tunnel integration. Cooling and ventilation systems	M. Nonis
12:00-12:20	<b>Integration, validation and cost.</b> Impact on tunnel integration. Transport studies	K. Kershaw
14:00-15:00	<b>Integration, validation and cost.</b> Test modules: hardware, program, resources, schedule	G. Riddone
16:00-16:20	<b>Integration, validation and cost.</b> Cost issues	Ph. Lebrun
16:30-16:50	<b>Conclusions and future actions.</b> Conclusions	All
17:00-17:20	<b>Conclusions and future actions.</b> Future actions	All

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- ▶ Thanks in advance to all speakers
    - ▶ 20 minutes each presentation
  - ▶ Thanks to M. Filippova and A. Samoshkin for the organization