

	(AB Project on LHC Collimation)					
Place and date - Charge - Committee - Agenda - Additional Info/Material						
Place and date:	The external review of the LHC Collimation project takes place at CERN on the following dates:					
	June 30th, 14h30 to July 2nd, 16h00					
	The conference room for the open part of the review is: 40-S2-A01					
	The presentations on Wednesday and Thursday are open to all interested colleagues from in- and outside CERN. For organizational reasons a prior registration will be requested.					
	Help for organizational mattersJuliette ThomashausenHelp for scientific partRalph Assmann					
	Information on accomodation in CERN Hostels.					
Charge:						
	The committee should look into all aspects of the LHC collimation system and consider the following questions:					
	 Are the baseline assumptions for the collimation design reasonable? (minimal allowed beam lifetime, peak and average loss rates, impact models, betatronic and momentum-induced losses,) Have the LHC collimation requirements been specified thoroughly and completely 					
	 Does the phased approach of the LHC collimation system address the requirements? Are the basic hardware choices correct and what problems should be expected (e.g. 					
	 radiation damage to graphite)? Is the detailed engineering solution adequate or can any problems be identified? Are the preliminary thoughts on collimation set-up and operation reasonable? Where should additional focus be put for future work? 					
	A final report shall be prepared and delivered to Steve Myers and Ralph Assmann.					

External	A. Dree	2S	BNL		lesign and operation	
committee	G. Federici			ITER International Experience with carbon-based materials in fusio		
members:			Team	research		
	J. Frisch		SLAC		Advanced collimators for Linear Colliders Linear Collider collimation, background to	
	T. Markiewicz		SLAC Linear Collider co.		limation, background to	
	N. Mokhov M. Seidel (chair) V. Shiltsev N. Simos		Collimation design	Collimation design	and simulation	
			FNAL (TEVATRON, SS			
					design and operation,	
			TESLA collimato			
			FNAL		TEVATRON operational experience and	
			BNL	performance upgrades SNS collimators and		
			DIAL		iu targets	
	Representative Phase 2 Collaboration (US-LARP)					
		benheimer	SLAC	Accelerator design,	, NLC project	
genda:	Talks sh	ould be prepa	ared for the time	e listed in brackets in ord	er to have sufficient time for	
0	discussi	on. Drafts of	the talks will be	distributed to the comm	ittee members a week before	
	the revie	ew takes place	e (by June 23).			
	Program	n in file forma	t: <u>PPT</u>	PDF		
	Wednes	sday June 30), 40-S2-A01 (d	open session)		
	***************************************				Chair: S. Myers	
	14h30	Welcome			R. Aymar	
	14h40	Charge to the committee (10min)			S. Myers	
	15h00				R. Assmann	
	15h45	Coffee				
					Chair: R. Assmann	
	16h00	Operationa	al baseline assu	<u>Imptions (</u> 15min)	M. Lamont	
	16h30			nator settings (15min)	S. Redaelli	
	17h00			o <mark>f collimators</mark> (15min)	R. Schmidt	
	17h30		and beamline	heating (15min)	V. Vlachoudis	
	18h00	Adjourn				
	20h00	Common d	inner			
	Thursday July 1, 40-S2-A01 (open session)					
					Chair: P. Sievers	
	8h45	Logistics (5	5 min)		M. Mayer	
	8h50			and thermo-dynamical		
		calculation	0 0	,		
	9h30		m heating test	(15 min)	S. Calatroni	
	10h00		ring at CERN		M. Mayer	
	101100					

		Chair: P. Cruikshank
11h00	Mechanical robustness (15min)	O. Aberle
11h30	Status of energy deposition studies IR3 (15min) (PPT)	J.B. Jeanneret
12h00	Status of energy deposition studies IR7 (15min)	M. Magistris
12h30	Vacuum system in the cleaning insertions (15min)	C. Rathjen
13h00	Lunch	
		Chair: J.P. Riunaud
14h00	Impedance and trapped modes from collimators (15min)	E. Metral
14h30	The beam loss monitoring system (15min)	B. Holzer
15h00	Collimator functionality, performance and first view on set-up and optimization (15min)	R. Assmann
15h30	The collimation of the LHC ion beams (15min)	H. Braun
16h00	Coffee	
		Chair: R. Bailey
16h30	Machine tolerances in cleaning insertions (15min)	J. Wenninger
17h00	Collimator motorization and control (15min)	F. Decorvet
17h30	Integration into control system (15min)	M. Jonker
18h00	Radiological issues (15min)	S. Roesler
18h30	Closure	L. Evans
18h40	Adjourn	
Friday	July 2 (closed sessions)	
L'Huay d		
		Chair: M. Seidel
9h00	Committee discussion, additional talks/discussions requested by committee	
12h30	Lunch	
14h00	Preliminary report of the committee and	
	discussion	
16h00	Adjourn	

Additional Material/Info for Reviewers

The LHC design report (all available chapters) can be accessed at this location:

http://ab-div.web.cern.ch/ab-div/Publications/LHC-DesignReport.html

The minutes of the LTC meeting quoted in the design report are at:

http://lhcp.web.cern.ch/lhcp/ab-ltc/ltc 2003-09.html

Links to various files are called "Annex". For convenience I list the direct links:

Ref. [50] O. Aberle. Proposal to the AB LHC Technical Committee (LTC) on June 25, 2003. http://lhcp.web.cern.ch/lhcp/ab-ltc/LTC_2003-09c.pdf

Ref. [53] V. Vlachoudis, Proposal to the AB LHC Technical Committee (LTC) on June 25, 2003. http://lhcp.web.cern.ch/lhcp/ab-ltc/LTC_2003-09b.pdf

RWA, Wednesday, 30. June 2004 01:13 +0200