

Preamble

- Run 2 and Run 3 will see the continued exploitation of the forward physics potential of the LHC in the long straight sections (LSS) either side of all experiment interaction points.
 - This will include operation of existing facilities, upgrades to these, and potentially new installations.
- A limited number of upgrades of the experiment beam pipes, and associated devices (e.g. TAS) will also take place during this period.
- The LTEX WG is stopped but the FWD installation is still fully supported by EN-MEF with a change in the organization.
 - Daniela Macina LMC 178
- Directorate (Miguel Jimenez) foresees need for a forum to oversee activities previously coordinated by LHC Tunnel Experiments study group (LTEX) and the LHC Experimental Beampipes (LEB).

Objectives

- Provide a forum for discussing the **planned operation of forward physics facilities** situated in the LSS of the LHC experiments
- Provide a forum for discussing the plans for **forward physics facilities upgrades** planned in the period up to LS3.
- Act as an oversight body to check the **compatibility and possible interference** during installation and operations
- Define priorities and **follow-up consolidation activities and upgrades of the LHC forward physics experiments** during technical stops and long shutdown 2 (LS2).

Mandate 1/2

- The working group is responsible for **coordinating the activities related to the experimental detectors** installed or to be installed in the LSS of the LHC. This responsibility is limited to activities planned to take place before LS3.
- The mandate covers all topics required to **ensure the installation and operation of all modified or new beam-related components** and their associated supports, alignment, and access equipment. This includes checks of apertures, impedance, specifications and follow-up of R&D and design.

Mandate 2/2

- The mandate extends to **beam vacuum related issues of new physics experiments to be installed before LS3** in the LHC long straight sections (LSS).
- The working group is also responsible for **coordinating the activities related to experimental detector components installed or to be installed within the vacuum sector between Q1 and Q1 including issues related to the TAS and TAN absorbers.**
 - This responsibility is limited to activities planned to take place before LS3. Where the components are foreseen to be in place during the HL-LHC era, compatibility checks pertinent to Run 2 and Run 3 shall be performed. The HL-LHC project team shall be responsible for HL-LHC related compatibility checks.

Tunnel Region Experiments Working Group (TREX)

- Chair: Mike Lamont
- Deputy Chair: Mark Gallilee
- Technical Secretary: Francisco Sanchez-Galan

- Reporting line:
 - LMC,
 - HL-LHC technical coordination
 - LPC as required

LTEX/LEB membership

Experiments

ALICE	DE MARCO Nora, DI MAURO Antonello, FERRETTI Alessandro, GALLIO Mauro, MORSCH Andreas	Avati, Valentina (PH-TOT)	Valentina.Avati@cern.ch
ATLAS	DI GIROLAMO Beniamino	Baechler, Joachim (PH-TOT)	Joachim.Baechler@cern.ch
CMS	BACCHETTA Nicola, MURRAY Michael	Ball, Austin (PH-CMX)	Austin.Ball@cern.ch
LHCb	LACARRERE Daniel	Behrens, Antje (BE-ABP-SU)	Antje.Behrens@cern.ch
LHCf	ADRIANI Oscar, SAKO Takashi		
TOTEM	DEILE Mario		

Technical groups

Beam optics and apertures	GIOVANNOZZI Massimo	(TE-VSC-LBV)	Giuseppe.Bregliozzi@cern.ch
Vacuum	GALLILEE Mark, SCHNEIDER Gerhard	Bruce, Roderik (BE-ABP-LCU)	Roderik.Bruce@cern.ch
Beam instrumentation	BRAVIN Enrico, GRAS Jean-Jacques	Burkhardt, Helmut (BE-ABP-LCU)	Helmut.Burkhardt@cern.ch
Transport & Handling	BERTONE Caterina	Corti, Gloria (PH-LBD)	Gloria.Corti@cern.ch
Cabling	CANALE Gianluca, WILHELMSSON Mats	Lepeule, Patrick (TE-VSC-EIV)	Patrick.Lepeule@cern.ch
Cooling	BATTISTIN Michele	Lindner, Rolf (PH-LBO-DO)	Rolf.Lindner@cern.ch
LHC integration	CORSO Jean-Pierre, MUTTONI Yvon	Macina, Daniela (EN-MEF-LE)	Daniela.Macina@cern.ch
General Safety	PEDERSEN John	Mergelkuhl, Dirk (BE-ABP-SU)	Dirk.Mergelkuhl@cern.ch
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Radiation Protection	ROESLER Stefan, ADORISIO Cristina	Missiaen, Dominique (BE-ABP-SU)	Dominique.Missiaen@cern.ch
Collimation	ASSMANN Ralph, REDAELLI Stefano	Musa, Luciano (PH-AID-DT)	Luciano.Musa@cern.ch
LHC Planning & coordination	FORAZ Katy, COUPARD Julie,	Nessi, Marzio (PH-ADO-AM)	Marzio.Nessi@cern.ch
TAN/TAS	EFTHYMIPOULOS Ilias, EVRARD Sébastien	Perrot, Anne-Laure (EN-MEF-LE)	Anne-Laure.Perrot@cern.ch
LHC upgrade	ROSSI Lucio or representative	Pfeiffer, Dorothea (EN-MEF-LE)	Dorothea.Pfeiffer@cern.ch

For information

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Membership - experiments

Provisional

Experiment	Member	Alternate
ALICE	Riegler, Werner	Tauro, Arturo + Gargiulo, Corrado
ATLAS	Di Girolamo, Beniamino	
CMS	Ball, Austin	Wolfram Zeuner
LHCb	Lindner, Rolf	Corti, Gloria
TOTEM	Baechler, Joachim	Avati, Valentina + Deile, Mario
ALFA	Fassnacht, Patrick	
LHCf	On invitation (Sako, Takashi)	

Membership

Provisional

Specialism or Experiment	Member	Alternate	For info
Background	Burkhardt, Helmut	Bruce, Roderik	
BE-BI	Bravin, Enrico; Jakobsen, Sune		Veness, Raymond
Collimation	Bruce, Roderik		
Database, configuration, ECRs	Chemli, Samy		
Forward detector Integration (EN-MEF)	Sanchez-Galan, Francisco; Muttoni, Yvon		Efthymiopoulos, Ilias
Gouvernance			Jimenez, Jose Miguel
HL-LHC (WP8)	Sanchez-Galan, Francisco		Lucio Rossi
Impedance	Salvant, Benoit		Metral, Elias
Injection optics	Chiara Bracco	Goddard, Brennan	
Machine Protection	Wenninger, Jorg	Dahlerup-Petersen, Knud	
Optics	Giovannozzi, Massimo	Helmut Burkhardt	
RP	Adorisio, Cristina		
Survey (experiments)	Behrens, Antje	Mergelkuhl, Dirk	Gayde, Jean-Christophe
Survey (machine)	Missiaen, Dominique		
Vacuum + Vacuum Mechanics	Gallilee, Mark	Lanza, Giulia	Vincent Baglin

3 e-groups have been created: trex-members; trex-alternates; trex-info

Incoming

- Qualification of new VELO with lower diameter
- LHCf run 2015
- CMS ZDC crane
- TOTEM upgrade - progress
- Access to the forward detectors storage areas