

High Luminosity LHC Project

MEMBER STATES COLLABORATIONS¹

Spain - CIEMAT

SC Orbit Corrector MCBXF: J-M. Perez, F. Toral

Italy - INFN

SC HO Correctors & SC D2 Magnet: E. Nappi², M. Statera³,
P. Fabbri⁴

Sweden – Uppsala University

Magnets & CC Test, Cold Powering DFHM/X: T. Ekelöf, R. Ruber

United Kingdom

Collimation: R. Appleby⁵ (Spokesperson)

SRF RFD & DQW CC Cryomodules: G. Burt⁶ & T. Jones⁷

Beam Instrumentation: S. Gibson⁸, C. Welsch⁹, P. Burrows¹⁰

Cold Powering DFM/X: Y. Yang¹¹

HL-LHC PROJECT MANAGEMENT

CERN

Project Leader: Lucio Rossi

Deputy Project Leader: Oliver Brüning

Project Office Coordinator: Laurent Tavian

Configuration, QA, Risk & Sourcing: Isabel Bejar Alonso

Integration & Installation: Paolo Fessia & Michele Modena

Collaborations (in-kind): Beniamino Di Girolamo

Budget Officer: Benoit Delille

Safety Officers: Thomas Otto & Christelle Gaignant

Communication: Isabel Bejar Alonso

Project Support & Secretariat: Cécile Noels

NON MEMBER STATES COLLABORATIONS¹

USA

DOE HEP Link: S. Rolli, J. Kao

US HL-LHC AUP¹²: G. Apollinari¹³, R. Carcagno¹³

Q1/Q3 Magnet System: G. Ambrosio¹³

Q1/Q3 CM & Cryostats: S. Feher¹³

Dressed RFD CC System: L. Ristori¹³

Japan - KEK

SC D1 Magnet: T. Ogitsu, T. Nakamoto

China - IHEP

SC Orbit Corrector MCBRD: Q. Qin, Q. Xu

Russia

Absorbers, Curr. Leads, RFSSPA, Collimators, BPM mech., HEL,

Dump & Kickers: Y. Tikhonov¹⁴ HOM Couplers: Y. Shashkov¹⁵

BLM: A. Zaitsev¹⁶ Crystals: O. Fedin¹⁷

Canada - TRIUMF

RFD CC Cryomodules: O. Kester, B. Laxdal

WP2 Accelerator Physics

Gianluigi Arduini
Rogelio Tomas Garcia

WP3 IR Magnets

Ezio Todesco
Felix Rodriguez Mateos

WP4 Crab Cavities & RF

Rama Calaga
Ofelia Capatina

WP5 Collimation

Stefano Redaelli
Roderik Bruce

WP6A Cold Powering

Amalia Ballarino
Paul Cruikshank

WP6B Warm Powering

Michele Martino
Jean-Paul Burnet

WP7 Machine Protection

Daniel Wollman
Reiner Denz

WP8 Collider-Experiment Interface

Helmut Burkhardt – F. Sanchez Galan

WP9 Cryogenics

Serge Claudet
Rob Van Weelderen

WP10 Energy Deposition & R2E

Francesco Cerutti – Ruben Garcia Alia

WP11 11 T Dipole

Frédéric Savary
Hervé Prin

WP12 Vacuum

Vincent Baglin
Germana Riddone

WP13 Beam Instrumentation

Rhodri Jones
Thibaut Lefevre

WP14 Beam Transfer

Chiara Bracco
Anton Lechner

WP15 Integration & (De-)Installation

Paolo Fessia
Michele Modena

WP16 IT String & Commissioning

Marta Bajko – Mirko Pojer

WP17 Infrastructure & Logistics

Laurent Tavian
Beniamino Di Girolamo

WP18 Controls Technologies

Javier Serrano
Eugenia Hatziangeli

¹ In kind contributions

² INFN Directorate

³ INFN Milano LASA

⁴ INFN Genova

⁵ University of Manchester/Cockcroft Institute

⁶ Lancaster University/Cockcroft Institute

⁷ ASTeC/STFC

⁸ Royal Holloway/John Adams Institute

⁹ University of Liverpool/Cockcroft Institute

¹⁰ University of Oxford/John Adams Institute

¹¹ University of Southampton

¹² US HL-LHC Accelerator Upgrade Project (BNL, FNAL, LBNL, SLAC)

¹³ FNAL

¹⁴ BINP ¹⁵MEPhI ¹⁶IHEP ¹⁷PNPI