



# Schedule of 11T Dipoles and New Connection Cryostats for LS2

F. Savary on behalf of WP11



WP11 Technical Machine Interfaces Working Group Meeting # 2 – 180/1-N51 – 2018-05-08

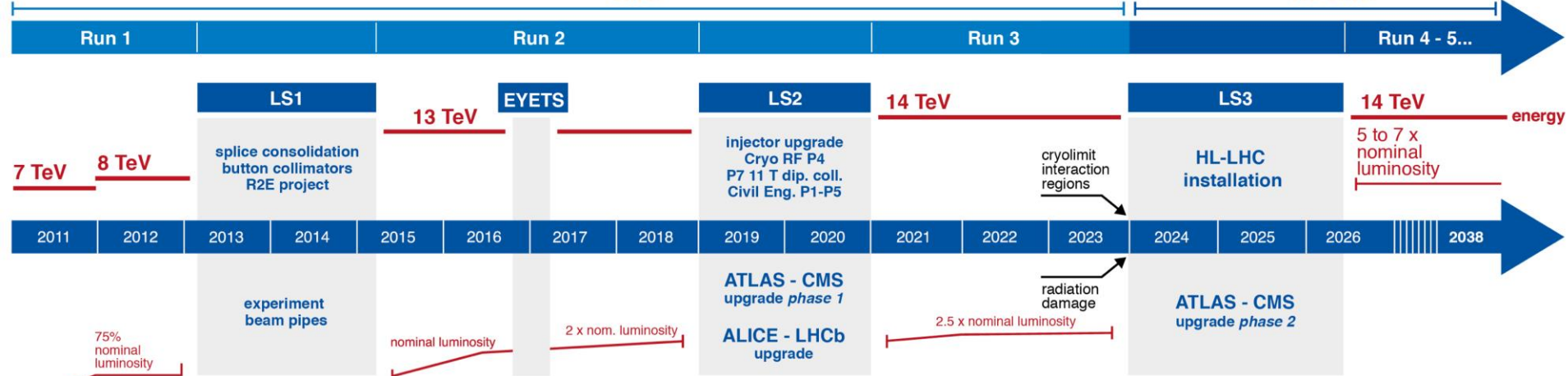
# Outline

- Scope of WP11
- Deliverables
- Master Schedule
- Detailed Schedule of 11T Dipole Cold Masses Production

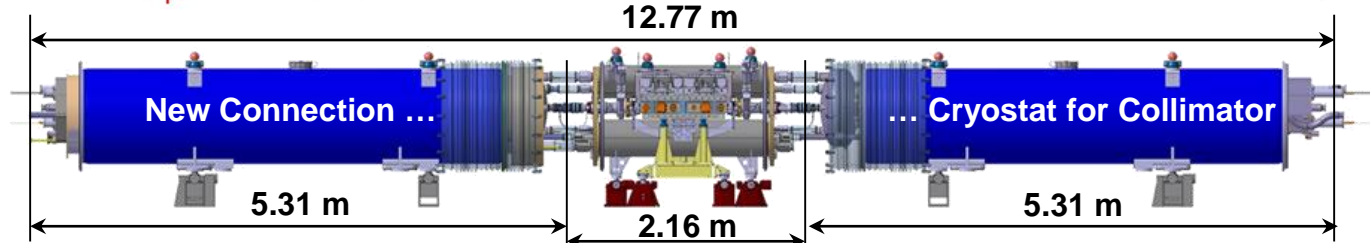
# Scope of WP11

LHC

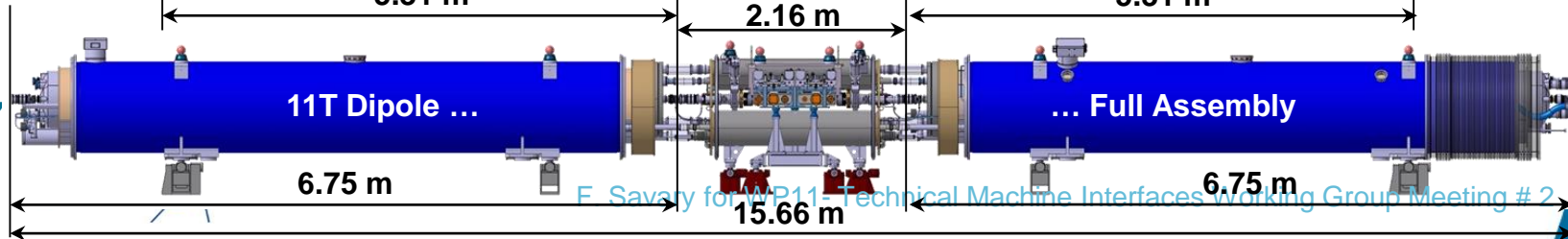
HL-LHC



2 @ P2

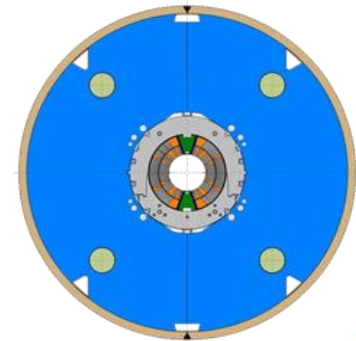
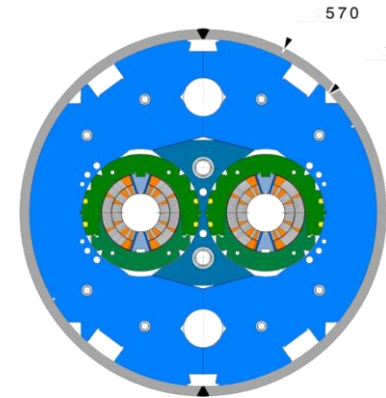


2 @ P7



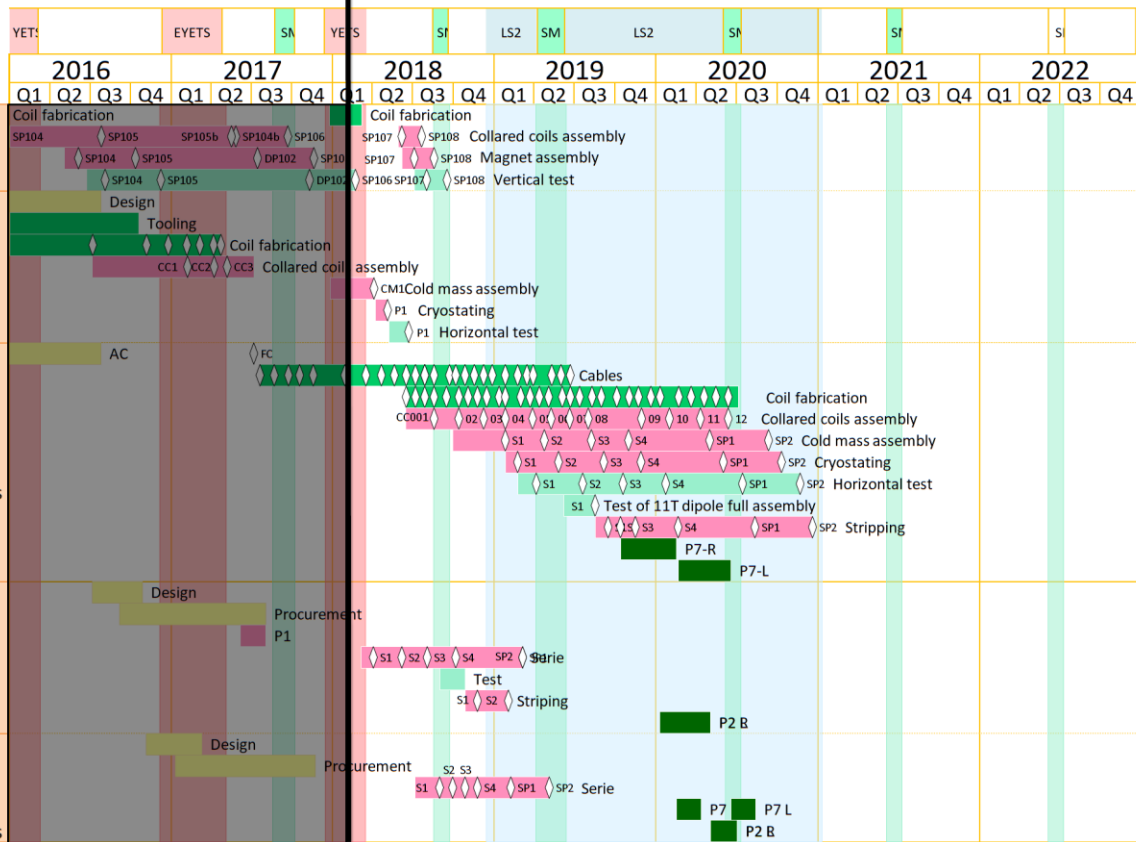
# Deliverables (numbers)

	Baseline March 2018
IP7 – 11T dipole full assembly [X-s1]	<ul style="list-style-type: none"> <li>• 2 for installation during LS2</li> <li>• 1 spare</li> </ul>
IP2 – Connection cryostats for collimators	<ul style="list-style-type: none"> <li>• 2 for installation during LS2</li> <li>• 1 spare</li> </ul>
11T dipole prototype [X-s1]	<ul style="list-style-type: none"> <li>• <b>1</b></li> <li>• 1 made up of RRP conductor [with X-section 1]</li> </ul>
11T dipole models	<ul style="list-style-type: none"> <li>• <b>11</b></li> <li>• 1 single coil RRP [X-s1]</li> <li>• <b>8</b> single aperture RRP <b>8 x [X-s1]</b></li> <li>• 2 two-in-one RRP [X-s1]</li> </ul>



02/02/2018

**WP11- Baseline Cost & Schedule Review  
March 2018**



LEGEND

SPECIFICATIONS

FABRICATION

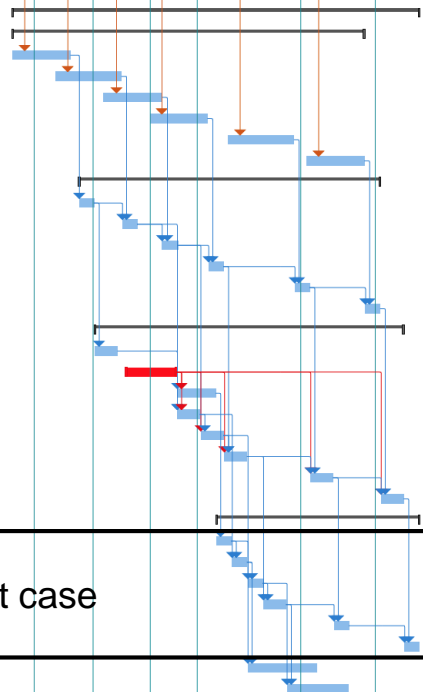
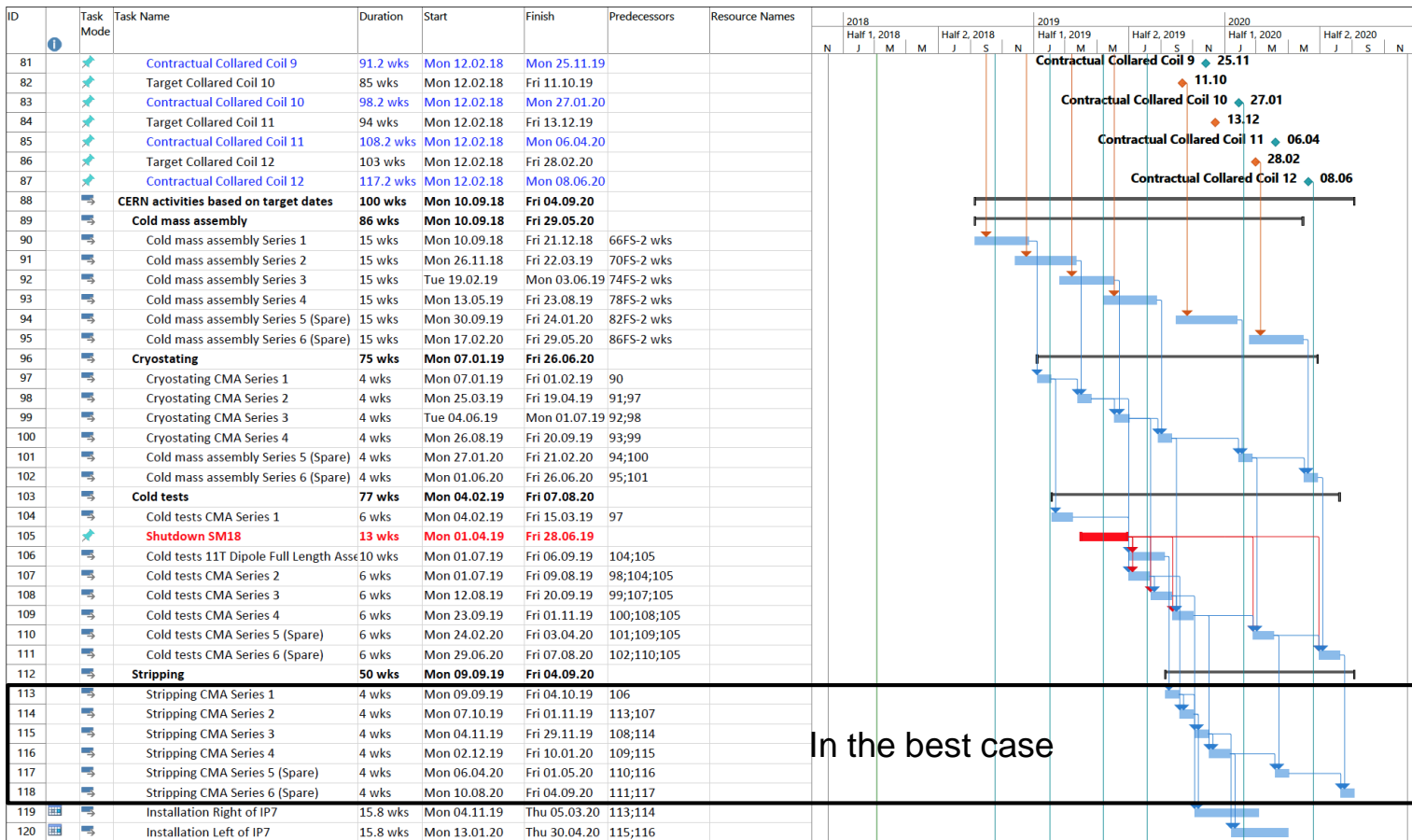
ASSEMBLY

INSTALLATION

TEST

COMMISSIONING

MILESTONES: ◇ FC - Finance committee AC - Acquisition process

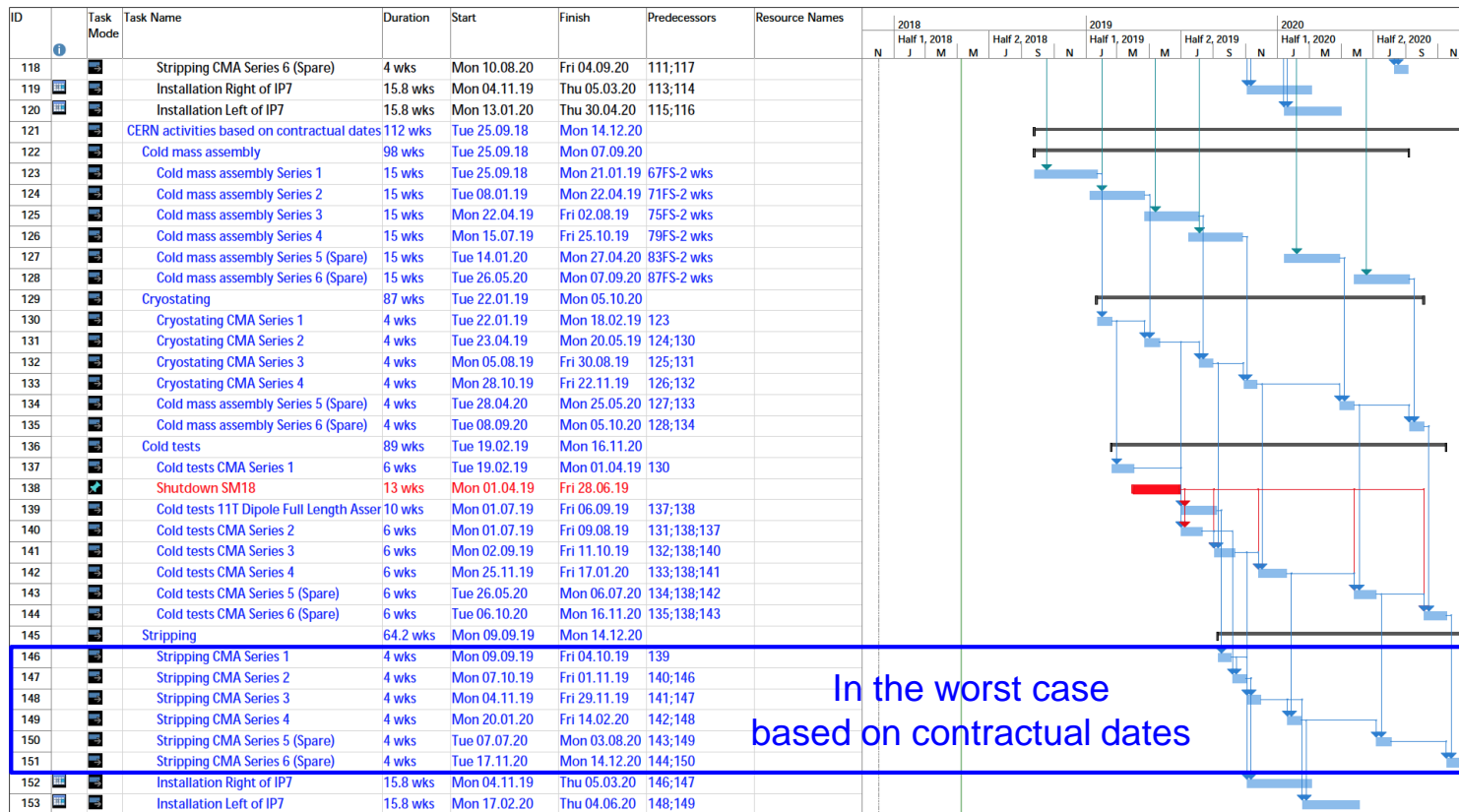


In the best case



Project: 2017-12-03\_S917<TE\_>  
Date: Tue 06.03.18

Task	Project Summary	Manual Task	Start-only	Deadline	
Split	Inactive Task	Duration-only	Finish-only	Progress	
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress	
Summary	Inactive Summary	Manual Summary	External Milestone		



In the worst case based on contractual dates

Project: 2017-12-03\_S9173<TE  
Date: Tue 08.05.18

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			





## *Thank you for your attention*

### Contributors to WP11 at FNAL (in the early stages of the magnet development):

N. Andreev, E. Barzi, G. Chlachidze, J. DiMarco, A. Nobrega, I. Novitski, S.E. Stoynev., A.V. Zlobin

### Contributors to WP11 at CERN:

B. Auchmann, A. Ballarino, V. Baglin, M. Bajko, H. Bajas, M. Barberan Marin, I. Bejar Alonso, A. Bertarelli, L. Bottura, B. Bordini, L. Bortot, N. Bourcey, G. Breuillaud, A. Cherif, M. Daly, R. De Maria, L. Deparis, G. de Rijk, A. Devred, M. Duret, P. Ebermann, L. Favier, P. Ferracin, P. Fessia, L. Fiscarelli, J. Fleiter, A. Foussat, D. Gamba, H. Garcia Gavela, R. Gauthier, M. Giovannozzi, L. Grand-Clement, P. Grosclaude, M. Guinchard, P. Hermes, A.W. Horridge, S. Izquierdo Bermudez, M. Karppinen, F. Lackner, C.H. Löffler, S. Luzieux, F. Mangiarotti, G. Maury, J. Mazet, J.P. Meignan, P. Moyret, A. Musso, E. Nilsson, V. Parma, J.C. Perez, J. Pierlot, H. Prin, R. Principe, D. Ramos, S. Redaelli, L. Rossi, F. Rogriguez Mateos, J.L. Rudeiros Fernandez, T. Sahner, F. Savary, D. Smekens, S. Tavares, L. Tavian, A. Temporal, H. Thiesen, J.Ph. Tock, E. Todesco, A. Vande Craen, R. Van Weelderen, A. Verweij, G. Willering, F.J. Wolf, S. Yammine

### Contributors to WP11 from Industry:

E. Cavana (ASG Superconductors), T. Genestier (GE – Alstom), V. Letellier (GE – Alstom), Z. Melhem (Oxford Instruments), P. Revilak (BNG)

