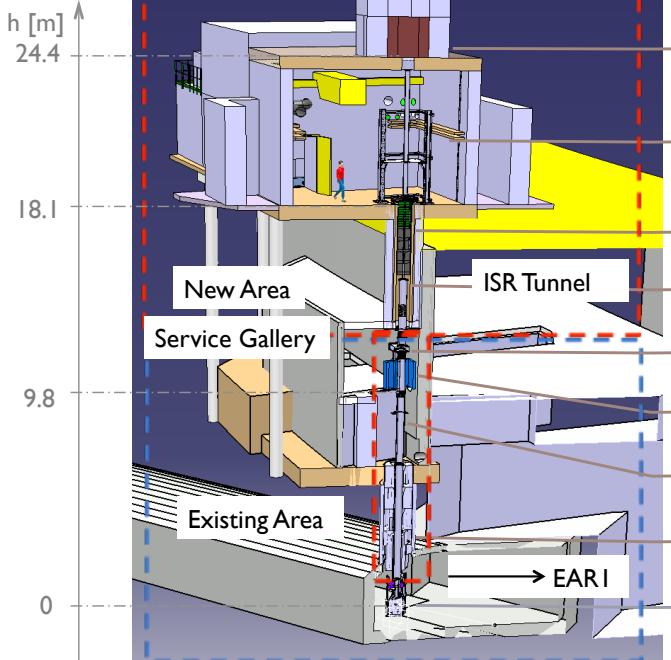
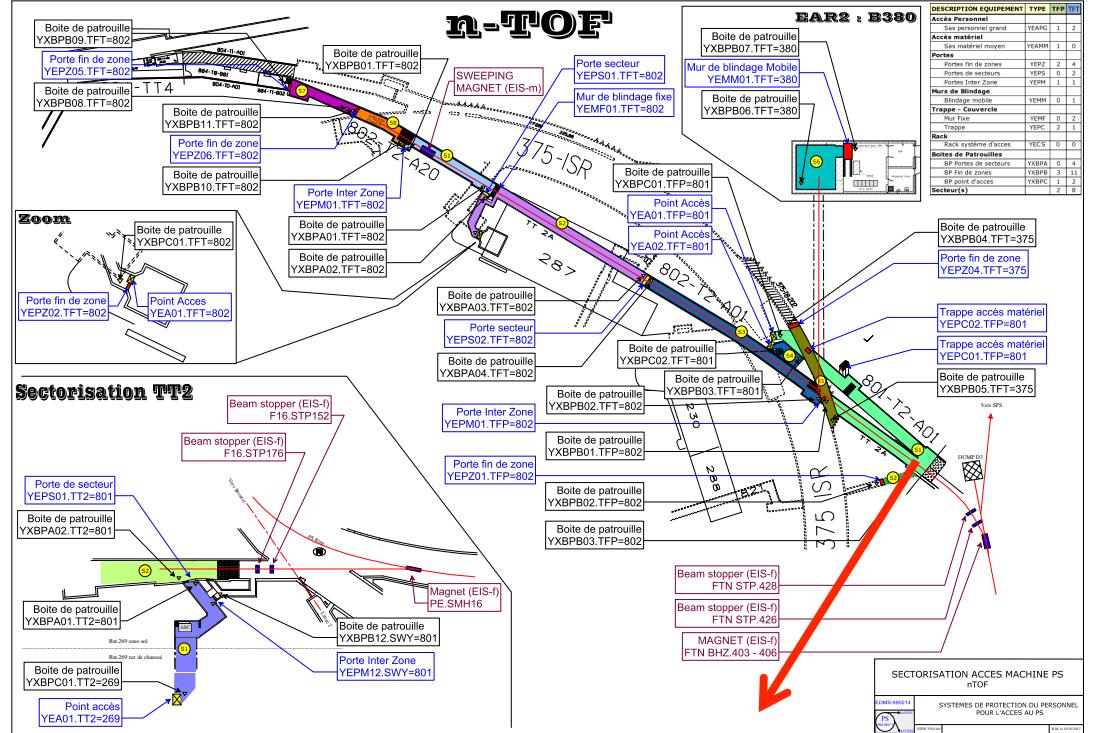


n_TOF startup after LS1

S. Montesano (EN/STI)



n_TOF layout

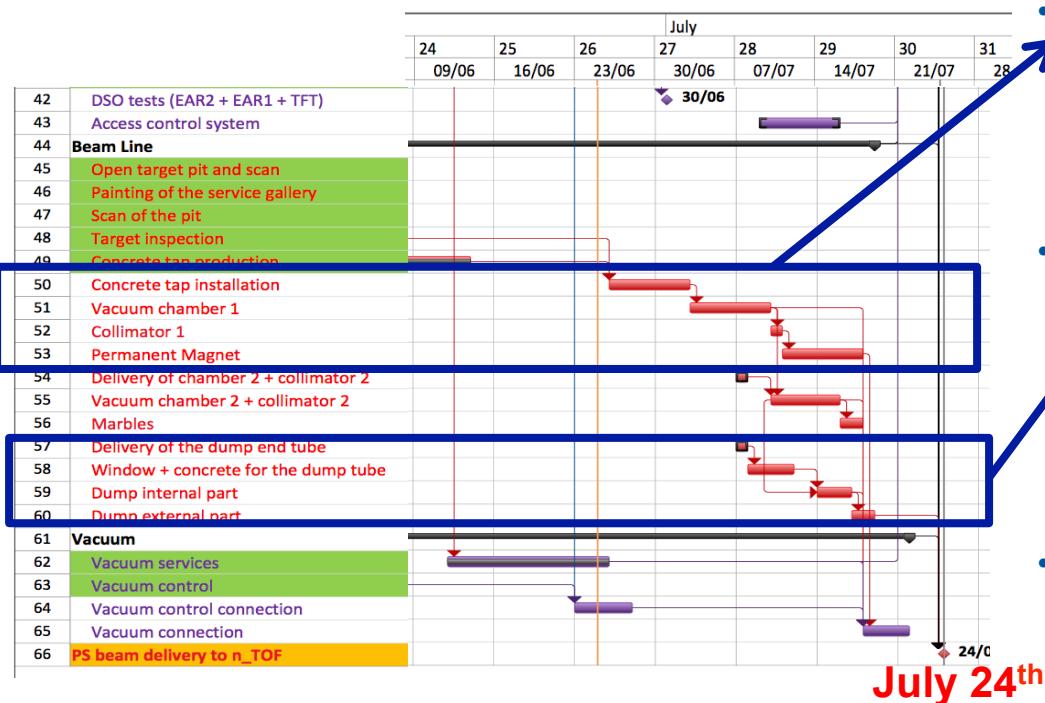


EAR2 installation

ID	Task Name	Responsible person	Group	Duration	Start	Finish	Predecessors	20	21	22	23	June	24	25	26	July	28	29	30	31	12	August	
								12/05	19/05	26/05	02/06	09/06	16/06	23/06	30/06	07/07	14/07	21/07	28/07	0			
1	Civil engineering	N. Lopez	GS-SE	261 days	Mon 22/01/13	Mon 21/07/14																	
2	Concrete works and building	N. Lopez	GS-SR	65 days	Mon 22/01/13	Fri 18/07/13																	
3	Plastering and landscaping	N. Lopez	GS-SR	80 days	Mon 22/01/13	Fri 25/07/13																	
4	Cover for the shaft	J.P. Granchelli	EN-HE	5 days	Mon 03/06/14	Thu 06/07/14																	
5	Crane installation + test	J.P. Granchelli	EN-HC	11 days	Mon 24/02/14	Mon 07/04/14																	
6	Cable hole closing	S. Giroud	EN-MEF	1 day	Fri 06/06/14	Fri 06/06/14	22,26,30,12,13																
7	Final cable hole closing + wall repairing	C. Biot	GS-SE	1 day	Mon 21/07/14	Mon 21/07/14	22,26,30,62,12,																
8	Electric power and general services			134 days	Mon 02/11/13	Thu 05/07/14																	
13	Ventilation			60 days	Mon 14/04/14	Fri 04/07/14																	
15	Water level sensors at ground floor	A. Brochu	EN-CV	1 day	Mon 14/04/14	Fri 18/05/14																	
16	Ventilation installation at first floor	A. Brochu	EN-CV	90 days	Mon 14/04/14	Fri 23/05/14																	
17	Ventilation tests	A. Brochu	EN-CV	15 days	Mon 26/05/14	Fri 13/06/14	15,16,18FF																
18	Ventilation tests in the rooms	A. Brochu	EN-CV	2 days	Fri 20/06/14	Wed 11/06/14	Med 11/06/14	15,15,6															
19	Ventilation software commissioning	A. Brochu	EN-CV	15 days	Mon 16/06/14	Fri 04/07/14	18,17																
20	Cabling campaign			65 days	Mon 31/03/14	Fri 27/06/14																	
21	Electrical cables	P. Letang	EN-EL	9 days	Mon 01/04/14	Fri 05/04/14																	
22	Cables installed	P. Letang	EN-EL	14 days	Tue 22/04/14	Fri 05/05/14																	
23	Racks installation	P. Letang	EN-EL	5 days	Mon 12/05/14	Fri 16/05/14	15																
24	Patch panel installation	J. Lendario	EN-STI	5 days	Mon 12/05/14	Fri 16/05/14																	
25	Connectors installation	P. Letang	EN-EL	15 days	Mon 19/05/14	Fri 20/06/14	24,23																
26	IF equipment installation	M. Souayah	IF-CS	9 days	Mon 26/05/14	Fri 30/05/14	25																
27	IF equipment connection + well	M. Souayah	IF-CS	10 days	Mon 26/05/14	Fri 30/05/14	25																
28	Gas system	F. Fayet	EN-MEF	10 days	Mon 16/06/14	Fri 27/06/14	18																
29	Alarms & RP			47 days	Mon 12/05/14	Tue 30/05/14																	
30	Fire detection system	D. Nalhour	GS-ASME	5 days	Mon 12/05/14	Fri 16/05/14	22																
31	Water level sensors	J. Lendario	EN-STI	5 days	Mon 09/06/14	Fri 13/06/14																	
32	RP equipment	J. Vollaire	DGS-RP	10 days	Mon 23/06/14	Fri 04/07/14	27																
33	RP safety material (coats, gloves, ...)	J. Vollaire	DGS-RP	1 day	Fri 15/07/14	Fri 15/07/14																	
34	Access			72 days	Mon 07/04/14	Tue 30/07/14																	
35	Concrete door mechanics	S. Giroud	EN-MEF	10 days	Mon 07/04/14	Fri 11/05/14																	
36	Concrete door installation	S. Giroud	EN-MEF	10 days	Mon 07/04/14	Fri 11/05/14																	
37	Concrete door controls	S. Giroud	EN-MEF	10 days	Mon 26/05/14	Fri 06/06/14	36																
38	Concrete door controls	A. Calderon	EN-HC	5 days	Tue 12/06/14	Wed 18/06/14	39,37,18																
39	Access system test in EAR1 + TTF	B. Chenevier	BS-ASR	8 days	Mon 16/06/14	Fri 20/06/14	40,41																
40	Access system test in EAR2 + TTF	B. Chenevier	BS-ASR	6 days	Mon 16/06/14	Fri 20/06/14	40,41																
41	gas DSO jets (EAR2 + EAR1 + TTF)	D. Chiquelot	GS-ASE	1 day	Fri 13/06/14	Fri 13/06/14	40,38																
42	DSO jets (EAR2 + EAR1 + TTF)	M. Tavet	BE-ASR	1 day	Mon 30/05/14	Mon 30/05/14	41																
43	Access control system	N. Rami	GS-AS	5 days	Wed 09/07/14	Tue 15/07/14																	
44	Beam Line			143 days	Wed 07/04/14	Fri 18/07/14																	
45	Open target pit and scan	O. Dobres	EN-STI	10 days	Mon 12/04/14	Fri 16/05/14																	
46	Target pit and service gallery	S. Dobres	EN-STI	10 days	Mon 13/04/14	Fri 17/05/14																	
47	Scan of the pit	T. Dobres	EN-STI	5 days	Mon 10/05/14	Fri 14/05/14	46,45																
48	Target inspection	M. Calvano	EN-STI	9 days	Mon 28/05/14	Wed 03/06/14																	
49	Concrete tap production	S. Giroud	EN-MEF	65 days	Mon 17/05/14	Fri 31/06/14																	
50	Concrete tap installation	S. Giroud	EN-MEF	5 days	Fri 26/06/14	Wed 02/07/14	49,48																
51	Valve chamber 1	S. Giroud	EN-MEF	1 day	Fri 26/06/14	Fri 27/06/14	50																
52	Collimator 1	S. Giroud	EN-MEF	1 day	Thu 03/07/14	Thu 03/07/14	51																
53	Permanent Magnet	A. Thoret	TE-MSC	5 days	Fri 11/07/14	Thu 17/07/14	52																
54	Delivery of chamber 2 + collimator 2	S. Giroud	EN-MEF	1 day	Mon 07/07/14	Mon 07/07/14																	
55	Vacuum chamber 2 + collimator 2	S. Giroud	EN-MEF	4 days	Fri 10/07/14	Tue 15/07/14	54,51																
56	Marble	S. Giroud	EN-MEF	2 days	Wed 16/07/14	Thu 17/07/14	55																
57	Delivery of the dump and tube	S. Giroud	EN-MEF	1 day	Mon 21/07/14	Mon 21/07/14	57																
58	Window + concrete for the dump tube	S. Giroud	EN-MEF	4 days	Tue 08/07/14	Fri 11/07/14	57																
59	Dump internal part	S. Giroud	EN-MEF	3 days	Mon 14/07/14	Wed 16/07/14	5555,58																
60	Dump external part	S. Giroud	EN-MEF	2 days	Thu 17/07/14	Fri 18/07/14	59																
61	Vacuum			41 days	Mon 26/05/14	Mon 21/07/14																	
62	Vacuum services	A. Mongeluzzo	TE-VSC	10 days	Fri 13/06/14	Wed 25/06/14	38																
63	TE-VSC	A. Mongeluzzo	TE-VSC	5 days	Mon 23/06/14	Fri 27/06/14	25,63																
64	Vacuum control connection	A. Mongeluzzo	TE-VSC	2 days	Fri 18/07/14	Mon 21/07/14	55,53,53,64,63																
65	Vacuum connection	A. Mongeluzzo	TE-VSC	2 days	Fri 18/07/14	Mon 21/07/14	55,53,53,64,63																
66	PS beam delivery to n_TOF	P. Tof	EN-STI	1 day	Fri 24/07/14	Fri 24/07/14	55,64,8,14,29,2																

- Civil engineering completed in January 2014
- Most of the installations completed during June 2014:
 - ventilation system
 - cabling campaign
 - access system (concrete door)
 - ...
- Beam line installation just started:
 - late delivery of the material.

EAR2 beam line installation



Installation of part of the beam line requires access to TFP (see next slide)

- until July 15th.

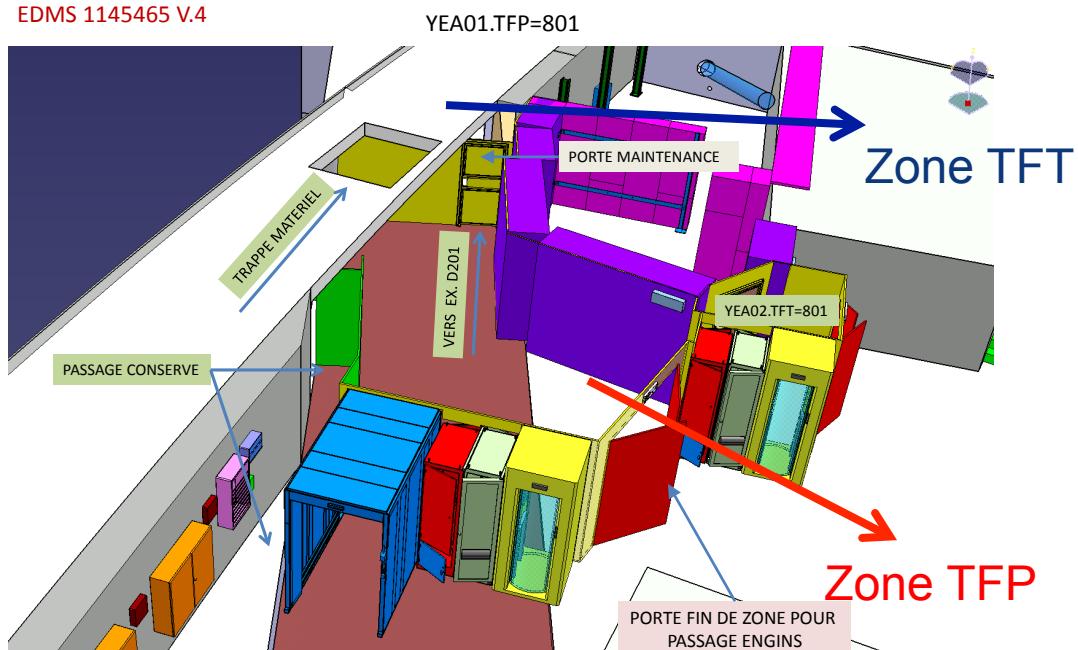
Delivery of beam dump components in week 28

- beam dump installation in week 29 (completed on July 18th)
- vacuum connection and test on July 21st.

The n_TOF Collaboration would like to take beam starting on July 24th (week 30)

EAR2 beam line installation

EDMS 1145465 V.4



6 DECEMBRE 2012

01/07/14

- Installation of the bottom part of the beam line in week 26—29:
 - the material must pass by the hatch that opens on the TFP zone (using a forklift).
 - the commissioning of the PS requires no access in the TFP zone!
- Solution found thanks to BE/OP + GS/ASE + BE DSO:
 - access system in “maintenance mode”
 - perimeter of the TFP zone (no access) at the maintenance door
 - hatch excluded from the access system chain
- DSO tests for TFT (planned on June 30th) to be rescheduled after July 15th.

EAR1 preparation

- The old experimental area (EAR1) is being prepared for the restarting of the operations:
 - beam line completely reinstalled
 - beam line flushing and vacuum test to be planned
 - ventilation system restarted on June 30th:
 - fix the interface with the access system (required for DSO tests)
 - air tightness of the WSTA to be reestablished
 - cleaning of the WSTA planned on July 1st
 - DSO tests to be planned with the others TFT sectors (after July 15th)
- EAR1 will be ready to take beam well before July 24th.

Conclusion

- The n_TOF Collaboration is looking forward to restart the experimental activities with beam:
 - the preparation of EAR1 is within the schedule;
 - the installation of the beam line for EAR2 has been delayed by about two weeks.
- The desired date for the delivery of the first beam is July 24th.
- DSO tests of the TFT zone must be re-planned before beam delivery.