

N°	Task name	Duration (days)	Start date (dd/mm/yy)	Finish date (dd/mm/yy)	Tri 1, 2017												Tri 2, 2017												Tri 3, 2017												Tri 4, 2017												Tri 1, 2018												Tri 2, 2018											
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May																														
1	<b>ProtoDUNE-DP</b>	<b>281,71 days</b>	<b>09/01/2017</b>	<b>20/02/2018</b>																																																																								
2	<b>CRP Production &amp; Installation</b>	<b>175,71 days</b>	<b>08/03/2017</b>	<b>08/11/2017</b>																																																																								
3	CR185 material order	1 day	20/03/2017	20/03/2017																																																																								
4	Clean Room Material reception	30 days	21/03/2017	01/05/2017																																																																								
5	<b>CR185 preparation</b>	<b>6 days</b>	<b>02/05/2017</b>	<b>09/05/2017</b>																																																																								
6	Furnishing integration	2 days	02/05/2017	03/05/2017																																																																								
7	Initial cleaning	2 days	04/05/2017	05/05/2017																																																																								
8	Toolings preparation	2 days	08/05/2017	09/05/2017																																																																								
9	<b>CRP assembly in CR185</b>	<b>117,71 days</b>	<b>10/05/2017</b>	<b>20/10/2017</b>																																																																								
10	<b>CRP #1</b>	<b>54 days</b>	<b>10/05/2017</b>	<b>24/07/2017</b>																																																																								
11	Parts reception in CR185	1 day	10/05/2017	10/05/2017																																																																								
12	Supporting structure assembly	1 day	11/05/2017	11/05/2017																																																																								
13	Invar frame on supporting stuc	4 hr	12/05/2017	12/05/2017																																																																								
14	G10 assembly on optical table	1 day	11/05/2017	11/05/2017																																																																								
15	G10 and Invar connection	1 day	12/05/2017	15/05/2017																																																																								
16	LAS assembly on CRP	4 days	26/06/2017	29/06/2017																																																																								
17	Instrumentation assembly	2 days	30/06/2017	03/07/2017																																																																								
18	Grid weaving	5 days	04/07/2017	10/07/2017																																																																								
19	Grid Installation	5 days	04/07/2017	10/07/2017																																																																								
20	Planarity tuning	4 days	11/07/2017	14/07/2017																																																																								
21	Electrical Tests	5 days	17/07/2017	21/07/2017																																																																								
22	Packing in transport box	1 day	24/07/2017	24/07/2017																																																																								
23	<b>CRP #2</b>	<b>21,57 days</b>	<b>24/07/2017</b>	<b>22/08/2017</b>																																																																								
24	Parts reception in CR185	1 day	24/07/2017	24/07/2017																																																																								
25	Supporting structure assembly	1 day	25/07/2017	25/07/2017																																																																								
26	Invar frame on supporting stuc	4 hr	26/07/2017	26/07/2017																																																																								
27	G10 assembly on optical table	1 day	25/07/2017	25/07/2017																																																																								
28	G10 and Invar connection	1 day	26/07/2017	27/07/2017																																																																								
29	LAS assembly on CRP	4 days	27/07/2017	02/08/2017																																																																								
30	Instrumentation assembly	1 day	02/08/2017	03/08/2017																																																																								
31	Grid weaving	5 days	03/08/2017	10/08/2017																																																																								
32	Grid Installation	5 days	03/08/2017	10/08/2017																																																																								
33	Planarity tuning	2 days	10/08/2017	14/08/2017																																																																								
34	Electrical Tests	5 days	14/08/2017	21/08/2017																																																																								
35	Packing in transport box	1 day	21/08/2017	22/08/2017																																																																								
36	<b>CRP #3</b>	<b>21,57 days</b>	<b>22/08/2017</b>	<b>21/09/2017</b>																																																																								
37	Parts reception in CR185	1 day	22/08/2017	23/08/2017																																																																								
38	Supporting structure assembly	1 day	23/08/2017	24/08/2017																																																																								
39	Invar frame on supporting stuc	4 hr	24/08/2017	25/08/2017																																																																								
40	G10 assembly on optical table	1 day	23/08/2017	24/08/2017																																																																								
41	G10 and Invar connection	1 day	25/08/2017	28/08/2017																																																																								
42	LAS assembly on CRP	4 days	28/08/2017	01/09/2017																																																																								
43	Instrumentation assembly	1 day	01/09/2017	04/09/2017																																																																								
44	Grid weaving	5 days	04/09/2017	11/09/2017																																																																								
45	Grid Installation	5 days	04/09/2017	11/09/2017																																																																								
46	Planarity tuning	2 days	11/09/2017	13/09/2017																																																																								
47	Electrical Tests	5 days	13/09/2017	20/09/2017																																																																								
48	Packing in transport box	1 day	20/09/2017	21/09/2017																																																																								
49	<b>CRP #4</b>	<b>21,57 days</b>	<b>21/09/2017</b>	<b>20/10/2017</b>																																																																								
50	Parts reception in CR185	1 day	21/09/2017	22/09/2017																																																																								
51	Supporting structure assembly	1 day	22/09/2017	25/09/2017																																																																								
52	Invar frame on supporting stuc	4 hr	25/09/2017	25/09/2017																																																																								
53	G10 assembly on optical table	1 day	22/09/2017	25/09/2017																																																																								
54	G10 and Invar connection	1 day	25/09/2017	26/09/2017																																																																								
55	LAS assembly on CRP	4 days	26/09/2017	02/10/2017																																																																								
56	Instrumentation assembly	1 day	02/10/2017	03/10/2017																																																																								
57	Grid weaving	5 days	03/10/2017	10/10/2017																																																																								
58	Grid Installation	5 days	03/10/2017	10/10/2017																																																																								
59	Planarity tuning	2 days	10/10/2017	12/10/2017																																																																								
60	Electrical Tests	5 days	12/10/2017	19/10/2017																																																																								
61	Packing in transport box	1 day	19/10/2017	20/10/2017																																																																								
62	<b>LAS Supply</b>	<b>100 days</b>	<b>03/04/2017</b>	<b>18/08/2017</b>																																																																								
63	<b>LAS Production Validation</b>	<b>30 days</b>	<b>03/04/2017</b>	<b>12/05/2017</b>																																																																								
64	LEM production (Preserie 6 LEMs)	20 days	03/04/2017	28/04/2017																																																																								
65	LEM Preserie Tests	10 days	01/05/2017	12/05/2017																																																																								
66	LEM Production Validated		12/05/2017	12/05/2017																																																																								
67	<b>12 LAS production</b>	<b>20 days</b>	<b>15/05/2017</b>	<b>09/06/2017</b>																																																																								
68	6 LEM Batch production	5 days	15/05/2017	19/05/2017																																																																								
69	6 LEM Batch production	5 days	22/05/2017	26/05/2017																																																																								
70	12 LAS Processing at Saclay	5 days	29/05/2017	02/06/2017																																																																								
71	12 LAS send to CERN	1 day	05/06/2017	05/06/2017																																																																								
72	12 LAS Assembly at CERN	4 days	06/06/2017	09/06/2017																																																																								
73	<b>12 LAS production</b>	<b>20 days</b>	<b>29/05/2017</b>	<b>23/06/2017</b>																																																																								
74	6 LEM Batch production	5 days	29/05/2017	02/06/2017																																																																								
75	6 LEM Batch production	5 days	05/06/2017	09/06/2017																																																																								
76	12 LAS Processing at Saclay	5 days	12/06/2017	16/06/2017																																																																								
77	12 LAS send to CERN	1 day	19/06/2017	19/06/2017																																																																								
78	12 LAS Assembly at CERN	4 days	20/06/2017	23/06/2017																																																																								
79	<b>12 LAS production</b>	<b>20 days</b>	<b>12/06/2017</b>	<b>07/07/2017</b>																																																																								
80	6 LEM Batch production	5 days	12/06/2017	16/06/2017																																																																								
81	6 LEM Batch production	5 days	19/06/2017	23/06/2017																																																																								
82	12 LAS Processing at Saclay	5 days	26/06/2017	30/06/2017																																																																								
83	12 LAS send to CERN	1 day	03/07/2017	03/07/2017																																																																								
84	12 LAS Assembly at CERN	4 days	04/07/2017	07/07/2017																																																																								
85	<b>12 LAS production</b>	<b>20 days</b>	<b>26/06/2017</b>	<b>21/07/2017</b>																																																																								
86	6 LEM Batch production	5 days	26/06/2017	30/06/2017																																																																								
87	6 LEM Batch production	5 days	03/07/2017	07/07/2017																																																																								
88	12 LAS Processing at Saclay	5 days	10/07/2017	14/07/2017																																																																								
89	12 LAS send to CERN	1 day	17/07/2017	17/07/2017																																																																								
90	12 LAS Assembly at CERN	4 days	18/07/2017	21/07/2017																																																																								
91	<b>12 LAS production</b>	<b>20 days</b>	<b>10/07/2017</b>	<b>04/08/2017</b>																																																																								
92	6 LEM Batch production	5 days	10/07/2017	14/07/2017																																																																								
93	6 LEM Batch production	5 days	17/07/2017	21/07/2017																																																																								
94	12 LAS Processing at Saclay	5 days	24/07/2017	28/07/2017																																																																								
95	12 LAS send to CERN	1 day	31/07/2017	31/07/2017																																																																								
96	12 LAS Assembly at CERN	4 days	01/08/2017	04/08/2017																																																																								
97	<b>12 LAS production</b>	<b>20 days</b>	<b>24/07/2017</b>	<b>18/08/2017</b>																																																																								
98	6 LEM Batch production	5 days	24/07/2017	28/07/2017																																																																								
99	6 LEM Batch production	5 days	31/07/2017	04/08/2017																																																																								
100	12 LAS Processing at Saclay	5 days	07/08/2017	11/08/2017																																																																								
101	12 LAS send to CERN	1 day	14/08/2017	14/08/2017																																																																								
102	12 LAS Assembly at CERN	4 days	15/08/2017	18/08/2017																																																																								
103	<b>12 LAS production</b>	<b>20 days</b>	<b>15/05/2017</b>	<b>09/06/2017</b>																																																																								
104	6 LEM Batch production	5 days	15/05/2017	19/05/2017																																																																								
105	6 LEM Batch production	5 days	22/05/2017	26/05/2017																																																																								
106	12 LAS Processing at Saclay	5 days	29/05/2017	02/06/2017																																																																								
107	12 LAS send to CERN	1 day	05/06/2017	05/06/2017																																																																								
108	12 LAS Assembly at CERN	4 days	06/06/2017	09/06/2017																																																																								
109	<b>12 LAS production</b>	<b>20 days</b>	<b>29/05/2017</b>	<b>23/06/2017</b>																																																																								

Projet : ProtoDUNE-DP-eng15  
Date : 30/03/2017

