

#	Info	WBS-Code	Title	Giv. Plan. Dur.	ID	Flag	# Predecessors	Actual Start	Exp. Duration	Expected Start	Expected End	Milestone	Resources	% ...pl.	Q3 / 2013	Q4 / 2013	Q1 / 2014	Q2 / 2014	Q3 / 2014	Q4 / 2014	Q1 / 2015	Q2 / 2015	Q3 / 2015	Q4 / 2015	Q1 / 2016	Q2 / 2016	Q3 / 2016
0	☉☉		MUSE		128				2.7 years	2/3/14	7/27/16			0%				MUSE									
1	1		Frames & Design		7				1.87 years	3/1/14	11/18/15			0%				Frames & Design									
2	1.1		Table		36				1.12 years	3/1/14	3/13/15			0%				Table									
3	1.1.1		Design table	9 months	47			3/1/14	9 months	3/1/14	11/7/14	☐		0%				Design table	9 months								
4	1.1.2		Buy table parts		125		3; 135		1 month	11/10/14	12/5/14			0%													
5	1.1.2.1		rotary bearings	1 month	92				1 month	11/10/14	12/5/14	☐		0%				Buy table parts		rotary bearings	1m						
6	1.1.2.2		extrusions for frame	1 month	4				1 month	11/10/14	12/5/14	☐		0%				extrusions for frame	1m								
7	1.1.2.3		linear bearings	1 month	67				1 month	11/10/14	12/5/14	☐		0%				linear bearings	1m								
8	1.1.3		Machine & assemble table		74		4		1.5 months	12/8/14	1/16/15			0%				Machine & assemble table									
9	1.1.3.1		machine donuts and table	1 month	30				1 month	12/8/14	1/2/15	☐		0%				machine donuts and table	1m								
10	1.1.3.2		machine extrusions	1 month	98				1 month	12/8/14	1/2/15	☐		0%				machine extrusions	1m								
11	1.1.3.3		assemble table	2 weeks	91		9; 10		2 weeks	1/5/15	1/16/15	☐		0%				assemble table	2								
12	1.1.4		Ship and assemble table		60				2 months	1/19/15	3/13/15			0%				Ship and assemble table									
13	1.1.4.1		Ship to PSI	1 month	113		8		1 month	1/19/15	2/13/15	☐		0%				Ship to PSI	1m								
14	1.1.4.2		Assemble table at PSI	1 month	1		13		1 month	2/16/15	3/13/15	☐		0%				Assemble table at PSI	1m								
15	1.2		Table ready at PSI		86		14		0 hours	3/13/15	3/13/15	☑		0%				Table ready at PSI	☑								
16	1.3		Scintillator and Veto		48				1.42 years	7/1/14	10/21/15			0%				Scintillator and Veto									
17	1.3.1		Design scintillator frames	6 months	96			7/1/14	6 months	7/1/14	12/15/14	☐		0%				Design scintillator frames	6 months								
18	1.3.2		Build first scintillator frame	2 months	66		17; 135		2 months	12/16/14	2/9/15	☐		0%				Build first scintillator frame	2m								
19	1.3.3		Ship first frames to PSI	1 month	54		18		1 month	2/10/15	3/9/15	☐		0%				Ship first frames to PSI	1m								
20	1.3.4		Build second scint. frames	2 months	38		18; 136		2 months	7/2/15	8/26/15	☐		0%				Build second scint. frames	2m								
21	1.3.5		Ship second set to PSI	1 month	120		20		1 month	8/27/15	9/23/15	☐		0%				Ship second set to PSI	1m								
22	1.3.6		Assemble at PSI	1 month	80		21		1 month	9/24/15	10/21/15	☐		0%				Assemble at PSI	1m								
23	1.3.7		Veto design	2 months	8		17		2 months	12/16/14	2/9/15	☐		0%				Veto design	2m								
24	1.3.8		Build veto	1 month	103		23		1 month	2/10/15	3/9/15	☐		0%				Build veto	1m								
25	1.3.9		Ship veto to PSI	1 month	14		24		1 month	3/10/15	4/6/15	☐		0%				Ship veto to PSI	1m								
26	1.4		Beam Monitor		68				5 months	7/2/15	11/18/15			0%				Beam Monitor									
27	1.4.1		Design beam monitor	2 months	61		23; 136		2 months	7/2/15	8/26/15	☐		0%				Design beam monitor	2m								
28	1.4.2		Build beam monitor	1 month	15		27		1 month	8/27/15	9/23/15	☐		0%				Build beam monitor	1m								
29	1.4.3		Ship to PSI	1 month	122		28		1 month	9/24/15	10/21/15	☐		0%				Ship to PSI	1m								
30	1.4.4		Assemble PSI	1 month	42		29		1 month	10/22/15	11/18/15	☐		0%				Assemble PSI	1m								
31	2		Scintillating Fiber		40				1.21 years	7/2/14	8/11/15			0%				Scintillating Fiber									
32	2.1		Order Materials		99		135		6 months	7/2/14	12/16/14			0%				Order Materials									
33	2.1.1		Order Fiber	6 months	64				6 months	7/2/14	12/16/14	☐		0%				Order Fiber	6 months								
34	2.1.2		Order PMTs	6 months	53				6 months	7/2/14	12/16/14	☐		0%				Order PMTs	6 months								
35	2.1.3		Order tools	2 months	107				2 months	7/2/14	8/26/14	☐		0%				Order tools	2m								
36	2.2		Prototype	1 month	112		32		1 month	12/17/14	1/13/15	☐		0%				Prototype	1m								
37	2.3		Construct fibers	3 months	16		36		3 months	1/14/15	4/7/15	☐		0%				Construct fibers	3 months								
38	2.4		Mount fibers	1 month	43		37		1 month	4/8/15	5/5/15	☐		0%				Mount fibers	1m								
39	2.5		Testing	1 month	76		38		1 month	5/6/15	6/2/15	☐		0%				Testing	1m								
40	2.6		Ship to PSI	2 weeks	20		39		2 weeks	6/3/15	6/16/15	☐		0%				Ship to PSI	2								
41	2.7		Test at PSI	2 months	59		40		2 months	6/17/15	8/11/15	☐		0%				Test at PSI	2m								
42	3		Cerenkov		105				1.87 years	2/3/14	10/21/15			0%				Cerenkov									
43	3.1		Design Cerenkov	5 months	85				5 months	2/3/14	6/20/14	☐		0%				Design Cerenkov	5 months								
44	3.2		Buy materials first part		77		135		4 months	7/2/14	10/21/14			0%				Buy materials first part									
45	3.2.1		Buy first 4 tubes	4 months	109				4 months	7/2/14	10/21/14	☐		0%				Buy first 4 tubes	4 months								
46	3.2.2		Buy sapphire	3 months	73				3 months	7/2/14	9/23/14	☐		0%				Buy sapphire	3 months								
47	3.2.3		Buy assembly materials	1 month	45				1 month	7/2/14	7/29/14	☐		0%				Buy assembly materials	1m								
48	3.3		Assemble	2 months	33		44		2 months	10/22/14	12/16/14	☐		0%				Assemble	2m								
49	3.4		Ship to PSI	1 month	13		48		1 month	12/17/14	1/13/15	☐		0%				Ship to PSI	1m								
50	3.5		First set at PSI		51		49		0 hours	1/13/15	1/13/15	☑		0%				First set at PSI	☑								
51	3.6		Buy 5 tubes	4 months	9		136		4 months	7/2/15	10/21/15	☐		0%				Buy 5 tubes	4 months								
52	3.7		Buy mounting fixtures	1 month	34		136		1 month	7/2/15	7/29/15	☐		0%				Buy mounting fixtures	1m								
53	3.8		Frame for 2nd cerenkov	2 months	71		52		2 months	7/30/15	9/23/15	☐		0%				Frame for 2nd cerenkov	2m								
54	3.9		Install at PSI	1 month	90		53		1 month	9/24/15	10/21/15	☐		0%				Install at PSI	1m								
55	4		Straw Chambers		87		135		1.83 years	7/2/14	3/8/16			0%				Straw Chambers									
56	4.1		Order straw material	6 months	11				6 months	7/2/14	12/16/14	☐		0%				Order straw material	6 months								
57	4.2		Order gas system	2 months	118				2 months	7/2/14	8/26/14	☐		0%				Order gas system	2m								
58	4.3		Set up clean room	2 months	57		135		2 months	7/2/14	8/26/14	☐		0%				Set up clean room	2m								
59	4.4		Manufacture jigs	2 months	111		135		2 months	7/2/14	8/26/14	☐		0%				Manufacture jigs	2m								
60	4.5		Design chamber mounting	2 months	127		135		2 months	7/2/14	8/26/14	☐		0%				Design chamber mounting	2m								
61	4.6		manufacture straws ch 1	2 months	75		56; 58; 59		2 months	12/17/14	2/10/15	☐		0%				manufacture straws ch 1	2m								
62	4.7		manufacture gas dist.	2 months	95		57		2 months	8/27/14	10/21/14	☐		0%				manufacture gas dist.	2m								
63	4.8		machine chamber mounting	2 months	6		60		2 months	8/27/14	10/21/14	☐		0%				machine chamber mounting	2m								
64	4.9		assemble & test ch 1	2 months	65		61; 63		2 months	2/11/15	4/7/15	☐		0%				assemble & test ch 1	2m								
65	4.10		ship to PSI	1 month	69		64		1 month	4/8/15	5/5/15	☐		0%				ship to PSI	1m								
66	4.11		Commission ch 1 at PSI	1 month	97		65		1 month	5/6/15	6/2/15	☐		0%				Commission ch 1 at PSI	1m								
67	4.12		Ch 1 ready at PSI		19		66		0 hours	6/2/15	6/2/15	☑		0%				Ch 1 ready at PSI	☑								
68	4.13		Purchase 2nd gas system	1 month	21		61		1 month	2/11/15	3/10/15	☐		0%				Purchase 2nd gas system	1m								
69	4.14		Build ch 2-4	9 months	119		64		9 months	4/8/15	12/15/15	☐		0%				Build ch 2-4	9 months								
70	4.15		Ship ch 2-4 to psi	1 month	2		69		1 month	12/16/15	1/12/16	☐		0%				Ship ch 2-4 to psi	1m								
71	4.16		Commission at PSI	2 months	79		70		2 months	1/13/16	3/8/16	☐		0%				Commission at PSI	2m								
72	5		Cryo-target																								