



Januar	Februar	März	April	Mai	Juni
1 Neujahr 10 0 1 53	1 мо 5	1 мо 9	1 Do	1 Maifeiertag ⊕⊕⊕(±1)	1 Di
2 sa	2 Di	2 Di	2 Karfreitag ⊕ ⊕ (±.T.)	2 Sonntag	2 Mi
3 Sonntag	3 мі	3 мі	3 50	3 мо 18	3 Fronleichnam ⊕(2.T)⊕(€(2.T)
4 Mo 1	4 Do	4 Do	4 Ostersonntag ③	4 Di	4 Fr
5 Di	5 Fr	5 Fr	5 Ostermontag @@@(z.t) 14	5 Mi	5 sa
6 HI. Drei Könige ∞(±T) ⊛⊕(±T.)	6 sa	б за	6 рі	6 во	6 Sonntag
7 00	7 Sonntae	7 Soentag	7 🖉	7 Fr	7 Mo 23
8 Fr 5 C	nedule X	Plans to		ssioning	
9 sa	9 pi	9 Di	9 fr	9 Sonntag	9 мі
10 Sonntag	10 mi	10 мі	10 sa	10 Mo 19	10 Do
11 Mo 2	11 Do	11 Do	11 Sonntag	11 pi	11 m
12 Di	12 Fr	12 Fr	12 мо 15	12 Mi	12 sa
13 mi	13 sa	13 sa	13 Di	13 Christi Himmelfahrt @@@	13 Sonntag
14 Do	14 Sonntag	14 Sonntag	14 мі	14 Fr	14 Mo 24
15 Fr	15 мо 7	15 мо 11	15 00	15 sa	15 Di
16 sa	16 Fastnacht	16 DI	.knoptie	16 Sonntag	16 mi
17 Sonntag	17 мі	17 мі	17 50	17 Mo 20	17 Do
18 ма 3	18 po	18MPI Kernpr	nysik, Heidelb	erq	18 Fr
19 Di	19 Fr	19 Fr	19 мо 16	19 Mi	19 sa
20 mi	20 sa	20 sa ktkno@m	n pi-hd .mpa.de	20 00	20 Sonntag
21 00	21 Sonntag	21 Sonntag	21 мі	21 Fr	21 Mo 25
22 Fr	22 Mai 8	22 мо 12	22 po	22 54	22 pi
23 sa	23 Di	23 pi	23 Fr	23 Pfingstsonntag @	23 мі
24 Sonntag	24 Mi GEE	2DA Collabor	ation Meeting	24 month G Set 21	24 Do
25 Mo 4	25 00	25 00	25 sonntag	25 DI	25 Fr
26 bi	26 Fr	26 1 2 3	Parch 201017	26 Mi	26 sa
27 мі	27 sa	27 sa	27 01	27 po	27 Sonntag
28 Do	28 Sonntag	28 Sonntag	28 Mi	28 Fr	28 ма 26
29 Fr		29 Mo 13	29 Do	29 sa	29 pi
30 sa		30 Di	30 Fr	30 Sonntag	30 Mi
31 Sonntag 19/20 AT	20 AT	31 Mi 23 AT	20 AT	31 мо 19 АТ 22	21/22 AT



- update weekly schedule
- options for technical / commissioning run
- run team



update of 24 feb / 1 mar 2010







Open issues:

immediate

filling of WT – linked to WT drainage delivery of c-lock arm for 1x 3-diode string muon veto commissioning

close to immediate

delivery of 2nd arm of c-lock for 3 x 3-diode string operation

Goal of commissioning run:

set up and test c-lock for single string - do muon veto commissioning in parallel install diode(s), test electronics, DAQ, and calibration procedures, get first information about background gain experience for operation of 3x3-diode string with enriched Ge diodes

How to proceed in detail – various options:

obvious steps	
	mechanical test with weight – ist-soll comparison electrical test with capacitor He leak test
	cleaning of glove box (& LAr surface?)
	tests with prototype & cap
to be optimized	
	Rn assay of c-lock arm - when and how long? How many Genius TF diodes to be immersed? Any enriched diode?

develop	/ pro	oduce 3x3-diod	le sti	r <mark>ing</mark> c-lock arı	n		•
	schedul	e vu					
März	April		Mai		Juni		
1 мо 9	1 Do	i 8m w i	1 Mai	felertag @@@(z.T)		-k 6	
2 Di NOW	2 Kar	drainage test	2 50m	tag	2 Mi		
3 мі	3 sa	basic	3 мо	run week 2	3 Frontleichnam @ (z.T.) @ @	}{z.T.}	
4 Do	4 Oste	electric	4 Di		4 Fr		
5 Fr	5 Oste	ermontag @@@(z.T.) 14	5 мі		5 sa		
6 Sa	6 Di	tests	6 Do		6 Sonntag		
/ Sonntag	/ Mi		7 Fr		7 Mo	23	
8 Mo 10	8 Do	LAr	8 Sa				
9 Di	9 Fr	surface	9 Son	tag	⁹ Mi paper?		
10 Mi	10 Sa	cloan?	10 Mo	run week 3	10 00		
12. 2m WT	11 Son		11 Di 17			$\overline{\mathbf{O}}$	
12 drainage test?	12 Mo	<u>cı</u>	1 Z Mi				
10 sa urainaye test f	1/1	test w	1.3 Chri 1.4 -	sti Himmelfahrt @ @ @	15 sonntagon-enri	ched?	
15 Ma 11	15.00	prototype	15 6		15 ni	<u></u>	
16e-lock delivery	16 5		16	tan	16 M		
17 Mi	17 sa		17 Mo	run week 4	17 pa		
18 pa install &	18 Son	ntag	18 pi		18 Fr		
19 m connect	19 Mo	inotell 16	19 Mi		19 sa		
20 sa	20 Di	install	20 Do		20 Sonntag		
21 Sonntag	21 Mi	x Genius TF	21 Fr		21 мо	25	
22 Mo clean 12	22 Do	v enriched	22 sa		22 Di		
23 pl glove hox	23 Fr		23 Pfin	stsanntag 💿	23 мі		
	24 se		24 Pfin	run week 5	24 Do		
25 no hasic	25 Son	ntag	25 di		25 Fr		
26 Fr	26 Mo	run week 17	26 Mi		26 sa		
27 sa mechanic	27 Di		27 Do		27 Sonntag		
28 sonrtatests	28 Mi	alodes &	28 Fr		28 Mo C-IOCK C	elivery 2	
29 Mo 13	29 00	Rn monitor	29 Sa		29 ni install		7
	30 Fr		30 Som		Commise	sion!	
pim f dummy load		20 AT	5 Ma			21/22 AT	

PAPER: realistic goal? - Would be nice support for funding requests....

1) RESULT ON BACKGROUND INDEX (BI) ABOVE 1900 keV:

Assume BI of 0.1 resp 0.01 cts per (kg keV y) in Rol of \sim 2000 – 2600+ keV, exposure m x t = 6 kg x 0.1 y (non-enriched)

▶ expect 36 resp 3.6 counts in Rol (a bit too optimistic, perhaps rather 25 and 2.5)!

2) RESULT FOR 2v2β BACKGROUND BELOW 1900 keV:

If BI ~ 0.01, nice comparison of DBD spectrum of enriched & natural Ge diode! $2v2\beta$ background will dominates – factor 10 larger in case of Ge-76! (6x10^23 x 0.1 / 10^21 = 60 per mol Ge-76 and per 0.1 year).

3) LIMITS FOR KNOWN LINES i.e. LIMITS on CONTAMINATIONS:

measured spectra



9

3x3 string



test setup with strings of rather different weights ► no strong deflections





To Do List

provide 2nd DN250 shutter - done replace motor & safety clutch replace cable drum provide feed thrus, isolation flange, cables run 30+ cables in energy chain

provide DN150-DN250 interface provide two DN250 tubes, one with bellow to modify length design mounting sequence - started design & provide mount/support for 3 strings incl. front end - started

GOAL: get it delivered by end of June!

We need to establish a run team* within a few weeks!

* difference shifter – run team:

•shifter: changing - sometimes present

• run team: fixed - always present

the end