

NEM channel configuration

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Configuration Tower No. and x-y position

5 (5,5) (-8cm,-8cm)	4 (4,5) (-4cm,-8cm)	3 (3,5) (0cm,-8cm)	2 (2,5) (+4cm,-8cm)	1 (1,5) (+8cm,-8cm)
10 (5,4) (-8cm,-4cm)	9 (4,4) (-4cm,-4cm)	8 (3,4) (0cm,-4cm)	7 (2,4) (+4cm,-4cm)	6 (1,4) (+8cm,-4cm)
15 (5,3) (-8cm,0cm)	14 (4,3) (-4cm,0cm)	13 (3,3) (0cm,0cm)	12 (2,3) (+4cm,0cm)	11 (1,3) (+8cm,0cm)
20 (5,2) (-8cm,+4cm)	19 (4,2) (-4cm,+4cm)	18 (3,2) (0cm,+4cm)	17 (2,2) (+4cm,+4cm)	16 (1,2) (+8cm,+4cm)
25 (5,1) (-8cm,+8cm)	24 (4,1) (-4cm,+8cm)	23 (3,1) (0cm,+8cm)	22 (2,1) (+4cm,+8cm)	21 (1,1) (+8cm,+8cm)

Beam Direction : \otimes

Tower No. (x,y) Moving table scaler

OPAL-46m-1

ADC Slot #	ADC Channel (48ch)	Tower ID	(x, y, SL)	Super Layer #
#1 upper	1	1	(1,5,1)	SL.1
	2	2	(2,5,1)	
	3	3	(3,5,1)	
	4	4	(4,5,1)	
	5	5	(5,5,1)	
	6	6	(1,4,1)	
	7	7	(2,4,1)	
	8	8	(3,4,1)	
	9	9	(4,4,1)	
	10	10	(5,4,1)	
#1 upper	11	1	(1,5,2)	SL.2
	12	2	(2,5,2)	
	13	3	(3,5,2)	
	14	4	(4,5,2)	
	15	5	(5,5,2)	
	16	6	(1,4,2)	
	17	7	(2,4,2)	
	18	8	(3,4,2)	
	19	9	(4,4,2)	
	20	10	(5,4,2)	
#1 upper	21	1	(1,5,3)	SL.3
	22	2	(2,5,3)	
	23	3	(3,5,3)	
	24	4	(4,5,3)	
	25	5	(5,5,3)	
	26	6	(1,4,3)	
	27	7	(2,4,3)	
	28	8	(3,4,3)	
	29	9	(4,4,3)	
	30	10	(5,4,3)	

OPAL-46m-2

ADC Slot #	ADC Channel (48ch)	Tower ID	(x, y, SL)	Super Layer #
#2 upper	1	1	(1,5,4)	SL.4
	2	2	(2,5,4)	
	3	3	(3,5,4)	
	4	4	(4,5,4)	
	5	5	(5,5,4)	
	6	6	(1,4,4)	
	7	7	(2,4,4)	
	8	8	(3,4,4)	
	9	9	(4,4,4)	
	10	10	(5,4,4)	
#2 upper	11	1	(1,5,5)	SL.5
	12	2	(2,5,5)	
	13	3	(3,5,5)	
	14	4	(4,5,5)	
	15	5	(5,5,5)	
	16	6	(1,4,5)	
	17	7	(2,4,5)	
	18	8	(3,4,5)	
	19	9	(4,4,5)	
	20	10	(5,4,5)	
#2 upper	21	1	(1,5,6)	SL.6
	22	2	(2,5,6)	
	23	3	(3,5,6)	
	24	4	(4,5,6)	
	25	5	(5,5,6)	
	26	6	(1,4,6)	
	27	7	(2,4,6)	
	28	8	(3,4,6)	
	29	9	(4,4,6)	
	30	10	(5,4,6)	

OPAL-46m-3

ADC Slot #	ADC Channel (48ch)	Tower ID	(x, y, SL)	Super Layer #
#1 lower	1	11	(1,3,1)	SL.1
	2	12	(2,3,1)	
	3	13	(3,3,1)	
	4	14	(4,3,1)	
	5	15	(5,3,1)	
	6	16	(1,2,1)	
	7	17	(2,2,1)	
	8	18	(3,2,1)	
	9	19	(4,2,1)	
	10	20	(5,2,1)	
	11	21	(1,1,1)	
	12	22	(2,1,1)	
	13	23	(3,1,1)	
	14	24	(4,1,1)	
	15	25	(5,1,1)	
#1 lower	16	11	(1,3,2)	SL.2
	17	12	(2,3,2)	
	18	13	(3,3,2)	
	19	14	(4,3,2)	
	20	15	(5,3,2)	
	21	16	(1,2,2)	
	22	17	(2,2,2)	
	23	18	(3,2,2)	
	24	19	(4,2,2)	
	25	20	(5,2,2)	
	26	21	(1,1,2)	
	27	22	(2,1,2)	
	28	23	(3,1,2)	
	29	24	(4,1,2)	
	30	25	(5,1,2)	

OPAL-46m-3

ADC Slot #	ADC Channel (48ch)	Tower ID	(x, y, SL)	Super Layer #
#1 lower	31	11	(1,3,3)	SL.3
	32	12	(2,3,3)	
	33	13	(3,3,3)	
	34	14	(4,3,3)	
	35	15	(5,3,3)	
	36	16	(1,2,3)	
	37	17	(2,2,3)	
	38	18	(3,2,3)	
	39	19	(4,2,3)	
	40	20	(5,2,3)	
	41	21	(1,1,3)	
	42	22	(2,1,3)	
	43	23	(3,1,3)	
	44	24	(4,1,3)	
	45	25	(5,1,3)	

OPAL-42m-1+Delay

ADC Slot #	ADC Channel (48ch)	Tower ID	(x, y, SL)	Super Layer #
#2 lower	1	11	(1,3,4)	SL.4
	2	12	(2,3,4)	
	3	13	(3,3,4)	
	4	14	(4,3,4)	
	5	15	(5,3,4)	
	6	16	(1,2,4)	
	7	17	(2,2,4)	
	8	18	(3,2,4)	
	9	19	(4,2,4)	
	10	20	(5,2,4)	
	11	21	(1,1,4)	
	12	22	(2,1,4)	
	13	23	(3,1,4)	
	14	24	(4,1,4)	
	15	25	(5,1,4)	
#2 lower	16	11	(1,3,5)	SL.5
	17	12	(2,3,5)	
	18	13	(3,3,5)	
	19	14	(4,3,5)	
	20	15	(5,3,5)	
	21	16	(1,2,5)	
	22	17	(2,2,5)	
	23	18	(3,2,5)	
	24	19	(4,2,5)	
	25	20	(5,2,5)	
	26	21	(1,1,5)	
	27	22	(2,1,5)	
	28	23	(3,1,5)	
	29	24	(4,1,5)	
	30	25	(5,1,5)	

OPAL-42m-1+Delay

ADC Slot #	ADC Channel (48ch)	Tower ID	(x, y, SL)	Super Layer #
#2 lower	31	11	(1,3,6)	SL.6
	32	12	(2,3,6)	
	33	13	(3,3,6)	
	34	14	(4,3,6)	
	35	15	(5,3,6)	
	36	16	(1,2,6)	
	37	17	(2,2,6)	
	38	18	(3,2,6)	
	39	19	(4,2,6)	
	40	20	(5,2,6)	
	41	21	(1,1,6)	
	42	22	(2,1,6)	
	43	23	(3,1,6)	
	44	24	(4,1,6)	
	45	25	(5,1,6)	