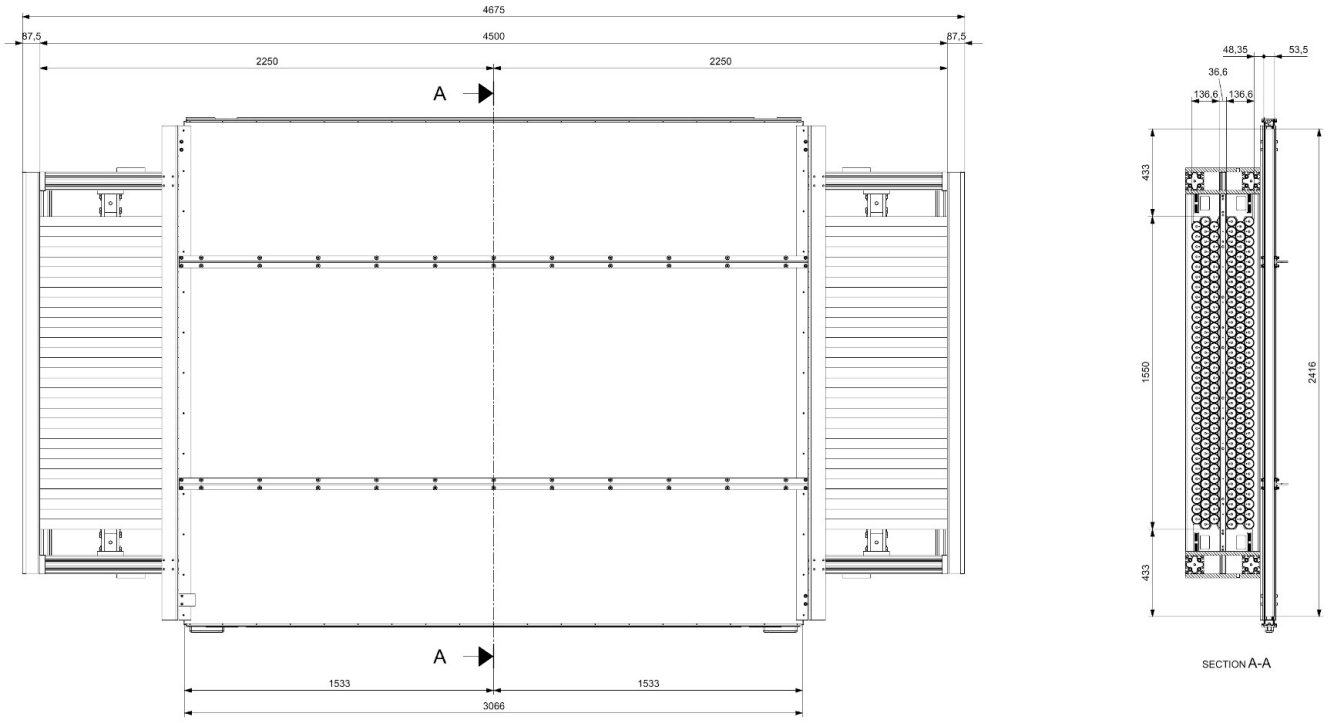
Detector overview

The following schema describes one of the two parts of the detector:



> ⚠ With the latest version of the detector, the super-layer has been moved **520mm** towards the top with respect to the DT chamber

DAQ definitions:

FE/geometry map for the tube detector

brdid	channel	layer	tube
0	0	6	1
0	1	4	1
0	2	5	2
0	3	5	1
0	4	6	2
0	5	4	2
0	6	6	3
0	7	4	3
0	8	6	4
0	9	5	3
0	10	5	4
0	11	4	4
0	12	6	5
0	13	4	5
0	14	6	6
0	15		
0	16	6	6
0	17	4	6
0	18	5	7
0	19	5	6
0	20	6	7
0	21	4	7
0	22	6	8
0	23	4	8
0	24	6	9
0	25	5	8
0	26	5	9
0	27	4	9
0	28	6	10
0	29	4	10
0	30	6	11
0	31		
0	32	2	6
0	33	1	6
0	34	3	6
0	35	2	7

FE/geometry map for the SL detector

brdid	channel	layer	tube
0	0	4	1
0	1	2	1
0	2	3	1
0	3	1	1
0	4	4	2
0	5	2	2
0	6	3	2
0	7	1	2
0	8	4	3
0	9	2	3
0	10	3	3
0	11	1	3
0	12	4	4
0	13	2	4
0	14	3	4
0	15	1	4
0	16	4	5
0	17	2	5
0	18	3	5
0	19	1	5
0	20	4	6
0	21	2	6
0	22	3	6
0	23	1	6
0	24	4	7
0	25	2	7
0	26	3	7
0	27	1	7
0	28	4	8
0	29	2	8
0	30	3	8
0	31	1	8
0	32	4	9
0	33	2	9
0	34	3	9
0	35	1	9

0	36	3	7
0	37	1	7
0	38	3	8
0	39	2	8
0	40	3	9
0	41	1	8
0	42	2	10
0	43	2	9
0	44	3	10
0	45	1	9
0	46	2	11
0	47		
0	48	2	6
0	49	1	6
0	50	3	6
0	51	2	7
0	52	3	7
0	53	1	7
0	54	3	8
0	55	2	8
0	56	3	9
0	57	1	8
0	58	2	10
0	59	2	9
0	60	3	10
0	61	1	9
0	62	2	11
0	63		
1	0	6	11
1	1	4	11
1	2	5	12
1	3	5	11
1	4	6	12
1	5	4	12
1	6	6	13
1	7	4	13
1	8	6	14
1	9	5	13
1	10	5	14
1	11	4	14
1	12	6	15
1	13	4	15
1	14	6	16
1	15		
1	16	6	16
1	17	4	16
1	18	5	17

0	36	4	10
0	37	2	10
0	38	3	10
0	39	1	10
0	40	4	11
0	41	2	11
0	42	3	11
0	43	1	11
0	44	4	12
0	45	2	12
0	46	3	12
0	47	1	12
0	48	4	13
0	49	2	13
0	50	3	13
0	51	1	13
0	52	4	14
0	53	2	14
0	54	3	14
0	55	1	14
0	56	4	15
0	57	2	15
0	58	3	15
0	59	1	15
0	60	4	16
0	61	2	16
0	62	3	16
0	63	1	16
1	0	4	17
1	1	2	17
1	2	3	17
1	3	1	17
1	4	4	18
1	5	2	18
1	6	3	18
1	7	1	18
1	8	4	19
1	9	2	19
1	10	3	19
1	11	1	19
1	12	4	20
1	13	2	20
1	14	3	20
1	15	1	20
1	16	4	21
1	17	2	21
1	18	3	21

1	19	5	16
1	20	6	17
1	21	4	17
1	22	6	18
1	23	4	18
1	24	6	19
1	25	5	18
1	26	5	19
1	27	4	19
1	28	6	20
1	29	4	20
1	30	6	21
1	31		
1	32	2	16
1	33	1	16
1	34	3	16
1	35	2	17
1	36	3	17
1	37	1	17
1	38	3	18
1	39	2	18
1	40	3	19
1	41	1	18
1	42	2	20
1	43	2	19
1	44	3	20
1	45	1	19
1	46	2	21
1	47		
1	48	2	16
1	49	1	16
1	50	3	16
1	51	2	17
1	52	3	17
1	53	1	17
1	54	3	18
1	55	2	18
1	56	3	19
1	57	1	18
1	58	2	20
1	59	2	19
1	60	3	20
1	61	1	19
1	62	2	21
1	63		
2	0	6	21
2	1	4	21

1	19	1	21
1	20	4	22
1	21	2	22
1	22	3	22
1	23	1	22
1	24	4	23
1	25	2	23
1	26	3	23
1	27	1	23
1	28	4	24
1	29	2	24
1	30	3	24
1	31	1	24
1	32	4	25
1	33	2	25
1	34	3	25
1	35	1	25
1	36	4	26
1	37	2	26
1	38	3	26
1	39	1	26
1	40	4	27
1	41	2	27
1	42	3	27
1	43	1	27
1	44	4	28
1	45	2	28
1	46	3	28
1	47	1	28
1	48	4	29
1	49	2	29
1	50	3	29
1	51	1	29
1	52	4	30
1	53	2	30
1	54	3	30
1	55	1	30
1	56	4	31
1	57	2	31
1	58	3	31
1	59	1	31
1	60	4	32
1	61	2	32
1	62	3	32
1	63	1	32
2	0	4	33
2	1	2	33

2	2	5	22
2	3	5	21
2	4	6	22
2	5	4	22
2	6	6	23
2	7	4	23
2	8	6	24
2	9	5	23
2	10	5	24
2	11	4	24
2	12	6	25
2	13	4	25
2	14	6	26
2	15	5	25
2	16	6	26
2	17	4	26
2	18	5	27
2	19	5	26
2	20	6	27
2	21	4	27
2	22	6	28
2	23	4	28
2	24	6	29
2	25	5	28
2	26	5	29
2	27	4	29
2	28	6	30
2	29	4	30
2	30	6	31
2	31	5	30
2	32	2	26
2	33	1	26
2	34	3	26
2	35	2	27
2	36	3	27
2	37	1	27
2	38	3	28
2	39	2	28
2	40	3	29
2	41	1	28
2	42	2	30
2	43	2	29
2	44	3	30
2	45	1	29
2	46	2	31
2	47		
2	48	2	26

2	2	3	33
2	3	1	33
2	4	4	34
2	5	2	34
2	6	3	34
2	7	1	34
2	8	4	35
2	9	2	35
2	10	3	35
2	11	1	35
2	12	4	36
2	13	2	36
2	14	3	36
2	15	1	36
2	16	4	37
2	17	2	37
2	18	3	37
2	19	1	37
2	20	4	38
2	21	2	38
2	22	3	38
2	23	1	38
2	24	4	39
2	25	2	39
2	26	3	39
2	27	1	39
2	28	4	40
2	29	2	40
2	30	3	40
2	31	1	40
2	32	4	41
2	33	2	41
2	34	3	41
2	35	1	41
2	36	4	42
2	37	2	42
2	38	3	42
2	39	1	42
2	40	4	43
2	41	2	43
2	42	3	43
2	43	1	43
2	44	4	44
2	45	2	44
2	46	3	44
2	47	1	44
2	48	4	45

2	49	1	26
2	50	3	26
2	51	2	27
2	52	3	27
2	53	1	27
2	54	3	28
2	55	2	28
2	56	3	29
2	57	1	28
2	58	2	30
2	59	2	29
2	60	3	30
2	61	1	29
2	62	2	31
2	63	1	30

2	49	2	45
2	50	3	45
2	51	1	45
2	52	4	46
2	53	2	46
2	54	3	46
2	55	1	46
2	56	4	47
2	57	2	47
2	58	3	47
2	59	1	47
2	60	4	48
2	61	2	48
2	62	3	48
2	63	1	48
3	0	4	49
3	1	2	49
3	2	3	49
3	3	1	49
3	4	4	50
3	5	2	50
3	6	3	50
3	7	1	50
3	8	4	51
3	9	2	51
3	10	3	51
3	11	1	51
3	12	4	52
3	13	2	52
3	14	3	52
3	15	1	52
3	16	4	53
3	17	2	53
3	18	3	53
3	19	1	53
3	20	4	54
3	21	2	54
3	22	3	54
3	23	1	54
3	24	4	55
3	25	2	55
3	26	3	55
3	27	1	55
3	28	4	56
3	29	2	56
3	30	3	56
3	31	1	56

3	32	4	57
3	33	2	57
3	34	3	57
3	35	1	57
3	36	4	58
3	37	2	58
3	38	3	58
3	39	1	58
3	40	4	59
3	41	2	59
3	42	3	59
3	43	1	59
3	44	4	60
3	45	2	60
3	46	3	60
3	47	1	60
3	48	4	61
3	49	2	61
3	50	3	61
3	51	1	61
3	52	4	62
3	53	2	62
3	54	3	62
3	55	1	62
3	56	4	63
3	57	2	63
3	58	3	63
3	59	1	63
3	60	4	64
3	61	2	64
3	62	3	64
3	63	1	64
4	0	4	65
4	1	2	65
4	2	3	65
4	3	1	65
4	4	4	66
4	5	2	66
4	6	3	66
4	7	1	66
4	8	4	67
4	9	2	67
4	10	3	67
4	11	1	67
4	12	4	68
4	13	2	68
4	14	3	68

4	15	1	68
4	16	4	69
4	17	2	69
4	18	3	69
4	19	1	69
4	20	4	70
4	21	2	70
4	22	3	70
4	23	1	70
4	24	4	71
4	25	2	71
4	26	3	71
4	27	1	71
4	28	4	72
4	29	2	72
4	30	3	72
4	31	1	72

The FE/geometry map for a LEMMA chamber corresponds to the first part of table above (rows with brd id equals to 0)