layer	module type	plane type	material	section	Module No.	Scint Plane No.	Group No.
0	iron	1" steel	iron	Veto	0		
0	veto	veto	thick scint		0		
0	veto	veto	thick scint		0		
1	Target #1	Target	Pb & STL	Nuclear target region	1		
2	Standard	u			2	1	1
3		x			2	2	
4	Standard	v			3	3	
5		x			3	4	
6	Standard	u			4	5	2
7		x			4	6	
8	Standard	v			5	7	
9		x			5	8	
10	Target #2	Target	Pb & STL		6		
11	Standard	u			7	9	3
12		x			7	10	
13	Standard	v			8	11	
14		x			8	12	
15	Standard	u			9	13	4
16		x			9	14	
17	Standard	v			10	15	
18		x			10	16	
19 & 20	Target #3	Target	C, Pb, & STL		11 & 12		
21	Standard	u			13	17	5
22		x			13	18	
23	Standard	v			14	19	
24		x			14	20	
25	Standard	u			15	21	6
26		x			15	22	
27	Standard	v			16	23	
28		x			16	24	
29	Target #4	Target	Pb		17		
30	Standard	u			18	25	7
31		x			18	26	
32	Standard	v			19	27	
33		x			19	28	
34	Standard	u			20	29	8
35		x			20	30	
36	Standard	v			21	31	
37		x			21	32	
38	Target #5	Target	Pb & STL		22		
39	Standard	u			23	33	9
40		x			23	34	
41	Standard	v			24	35	
42		x			24	36	
43	Standard	u		Active Target Region	25	37	10
44		x			25	38	
45	Standard	v			26	39	
46		x			26	40	
47	Standard	u			27	41	11
48		x			27	42	
49	Standard	v			28	43	
50		x			28	44	
51	Standard	u			29	45	12
52		x			29	46	
53	Standard	v			30	47	
54		x			30	48	
55	Standard	u			31	49	13
56		x			31	50	
57	Standard	v			32	51	
58		x			32	52	
59	Standard	u			33	53	14
60		x			33	54	
61	Standard	v			34	55	
62		x			34	56	
63	Standard	u			35	57	15
64		x			35	58	
65	Standard	v			36	59	
66		x			36	60	
67	Standard	u			37	61	16
68		x			37	62	
69	Standard	v			38	63	
70		x			38	64	
71	Standard	u			39	65	17
72		x			39	66	
73	Standard	v			40	67	
74		x			40	68	
75	Standard	u			41	69	18
76		x			41	70	
77	Standard	v			42	71	
78		x			42	72	
79	Standard	u			43	73	19
80		x			43	74	
81	Standard	v			44	75	
82		x			44	76	
83	Standard	u			45	77	20
84		x			45	78	
85	Standard	v			46	79	
86		x			46	80	
87	Standard	u			47	81	21
88		x			47	82	
89	Standard	v			48	83	
90		x			48	84	
91	Standard	u			49	85	22
92		x			49	86	
93	Standard	v			50	87	
94		x			50	88	
95	Standard	u			51	89	23
96		x			51	90	
97	Standard	v			52	91	
98		x			52	92	
99	Standard	u			53	93	24
100		x			53	94	
101	Standard	v			54	95	
102		x			54	96	
103	Standard	u			55	97	25
104		x			55	98	
105	Standard	v			56	99	
106		x			56	100	
107	Standard	u			57	101	26
108		x			57	102	

109	Standard	v			58	103		
110		x			58	104		
111	Standard	u			59	105	27	
112		x			59	106		
113	Standard	v			60	107		
114		x			60	108		
115	Standard	u			61	109	28	
116		x			61	110		
117	Standard	v			62	111		
118		x			62	112		
119	Standard	u			63	113	29	
120		x			63	114		
121	Standard	v			64	115		
122		x			64	116		
123	Standard	u			65	117	30	
124		x			65	118		
125	Standard	v			66	119		
126		x			66	120		
127	Standard	u			67	121	31	
128		x			67	122		
129	Standard	v			68	123		
130		x			68	124		
131	Standard	u			69	125	32	
132		x			69	126		
133	Standard	v			70	127		
134		x			70	128		
135	Standard	u			71	129	33	
136		x			71	130		
137	Standard	v			72	131		
138		x			72	132		
139	Standard	u			73	133	34	
140		x			73	134		
141	Standard	v			74	135		
142		x			74	136		
143	Standard	u			75	137	35	
144		x			75	138		
145	Standard	v			76	139		
146		x			76	140		
147	Standard	u			77	141	36	
148		x			77	142		
149	Standard	v			78	143		
150		x			78	144		
151	Standard	u			79	145	37	
152		x			79	146		
153	Standard	v			80	147		
154		x			80	148		
155	Standard	u			81	149	38	
156		x			81	150		
157	Standard	v			82	151		
158		x			82	152		
159	Standard	u			83	153	39	
160		x			83	154		
161	Standard	v			84	155		
162		x			84	156		
163	DS Ecal	pb/v			85	157	40	
164		pb/x			85	158		
165	DS Ecal	pb/u			86	159		
166		pb/x			86	160		
167	DS Ecal	pb/v			87	161	41	
168		pb/x			87	162		
169	DS Ecal	pb/u			88	163		
170		pb/x			88	164		
171	DS Ecal	pb/v			89	165	42	
172		pb/x			89	166		
173	DS Ecal	pb/u			90	167		
174		pb/x			90	168		
175	DS Ecal	pb/v			91	169	43	
176		pb/x			91	170		
177	DS Ecal	pb/u			92	171		
178		pb/x			92	172		
179	DS Ecal	pb/v			93	173	44	
180		pb/x			93	174		
181	DS Ecal	pb/u			94	175		
182		pb/x			94	176		
183	DS Hcal	Fe			95		45	
184		x			95	177		
185	DS Hcal	Fe			96			
186		v			96	178		
187	DS Hcal	Fe			97		46	
188		x			97	179		
189	DS Hcal	Fe			98			
190		u			98	180		
191	DS Hcal	Fe			99		47	
192		x			99	181		
193	DS Hcal	Fe			100			
194		v			100	182		
195	DS Hcal	Fe			101		48	
196		x			101	183		
197	DS Hcal	Fe			102			
198		u			102	184		
199	DS Hcal	Fe			103		49	
200		x			103	185		
201	DS Hcal	Fe			104			
202		v			104	186		
203	DS Hcal	Fe			105		50	
204		x			105	187		
205	DS Hcal	Fe			106			
206		u			106	188		
207	DS Hcal	Fe			107		51	
208		x			107	189		
209	DS Hcal	Fe			108			
210		v			108	190		
211	DS Hcal	Fe			109		52	
212		x			109	191		
213	DS Hcal	Fe			110			
214		u			110	192		
215	DS Hcal	Fe			111		53	
216		x			111	193		
217	DS Hcal	Fe			112			
218		v			112	194		
219	DS Hcal	Fe			113		54	
220		x			113	195		
221	DS Hcal	Fe			114			
222		u			114	196		

gion

DS ECAL Region

DS HCAL Region

module type	module #	section
iron curtain		
veto		
veto		
TARGET #1	1	Nuclear target region
standard	2	Nuclear target region
standard	3	Nuclear target region
standard	4	Nuclear target region
standard	5	Nuclear target region
TARGET #2	6	Nuclear target region
standard	7	Nuclear target region
standard	8	Nuclear target region
standard	9	Nuclear target region
standard	10	Nuclear target region
TARGET #3	11	Nuclear target region
TARGET #3	12	Nuclear target region
standard	13	Nuclear target region
standard	14	Nuclear target region
standard	15	Nuclear target region
standard	16	Nuclear target region
TARGET #4	17	Nuclear target region
standard	18	Nuclear target region
standard	19	Nuclear target region
standard	20	Nuclear target region
standard	21	Nuclear target region
TARGET #5	22	Nuclear target region
standard	23	Nuclear target region
standard	24	Nuclear target region
standard	25	ACTIVE TARGET
standard	26	ACTIVE TARGET
standard	27	ACTIVE TARGET
standard	28	ACTIVE TARGET
standard	29	ACTIVE TARGET
standard	30	ACTIVE TARGET
standard	31	ACTIVE TARGET
standard	32	ACTIVE TARGET
standard	33	ACTIVE TARGET
standard	34	ACTIVE TARGET
standard	35	ACTIVE TARGET
standard	36	ACTIVE TARGET
standard	37	ACTIVE TARGET
standard	38	ACTIVE TARGET
standard	39	ACTIVE TARGET
standard	40	ACTIVE TARGET
standard	41	ACTIVE TARGET
standard	42	ACTIVE TARGET
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standard	66	ACTIVE TARGET
standard	67	ACTIVE TARGET
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standard	69	ACTIVE TARGET
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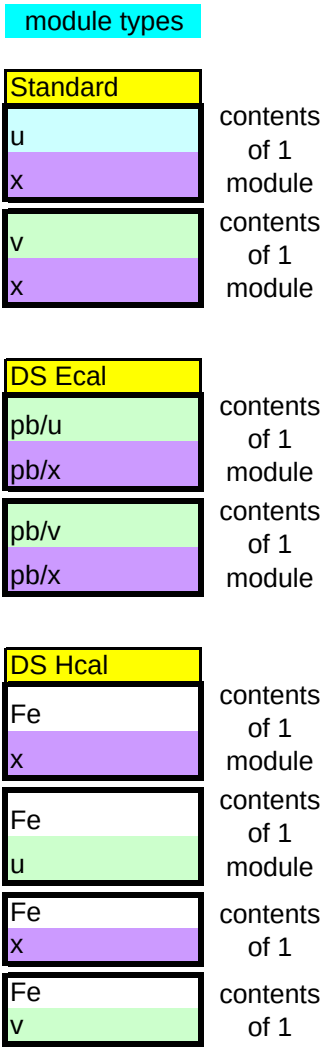
standard	73	ACTIVE TARGET
standard	74	ACTIVE TARGET
standard	75	ACTIVE TARGET
standard	76	ACTIVE TARGET
standard	77	ACTIVE TARGET
standard	78	ACTIVE TARGET
standard	79	ACTIVE TARGET
standard	80	ACTIVE TARGET
standard	81	ACTIVE TARGET
standard	82	ACTIVE TARGET
standard	83	ACTIVE TARGET
standard	84	ACTIVE TARGET
DS ecal	85	DSECAL
DS ecal	86	DSECAL
DS ecal	87	DSECAL
DS ecal	88	DSECAL
DS ecal	89	DSECAL
DS ecal	90	DSECAL
DS ecal	91	DSECAL
DS ecal	92	DSECAL
DS ecal	93	DSECAL
DS ecal	94	DSECAL
DS hcal	95	DSHCAL
DS hcal	96	DSHCAL
DS hcal	97	DSHCAL
DS hcal	98	DSHCAL
DS hcal	99	DSHCAL
DS hcal	100	DSHCAL
DS hcal	101	DSHCAL
DS hcal	102	DSHCAL
DS hcal	103	DSHCAL
DS hcal	104	DSHCAL
DS hcal	105	DSHCAL
DS hcal	106	DSHCAL
DS hcal	107	DSHCAL
DS hcal	108	DSHCAL
DS hcal	109	DSHCAL
DS hcal	110	DSHCAL
DS hcal	111	DSHCAL
DS hcal	112	DSHCAL
DS hcal	113	DSHCAL
DS hcal	114	DSHCAL


module types
Standard
u
x
contents of 1 module
v
x
contents of 1 module
DS Ecal
pb/u
pb/x
contents of 1 module
pb/v
pb/x
contents of 1 module
DS Hcal
Fe
x
contents of 1 module
Fe
u
contents of 1 module
Fe
x
contents of 1
Fe
v
contents of 1

Detector Section	Frames	Scintillators	Fe planes	Pb planes	Structure	
Nuclear target region	24	36			T,S,S,S,S	S=Scintillator plane, T=Nuclear Target
ACTIVE TARGET	60	120			S, S, S, S	Pb frames S
DSECAL	10	20		20	Pb, S, Pb, S, Pb, S, Pb, S	
DSHCAL	20	20	20		Fe, S, Fe, S	
totals	114	196	20	20		

Design as of 01/2006

1 Module= 1 Frame
1 Group= 2 repeating Modules