

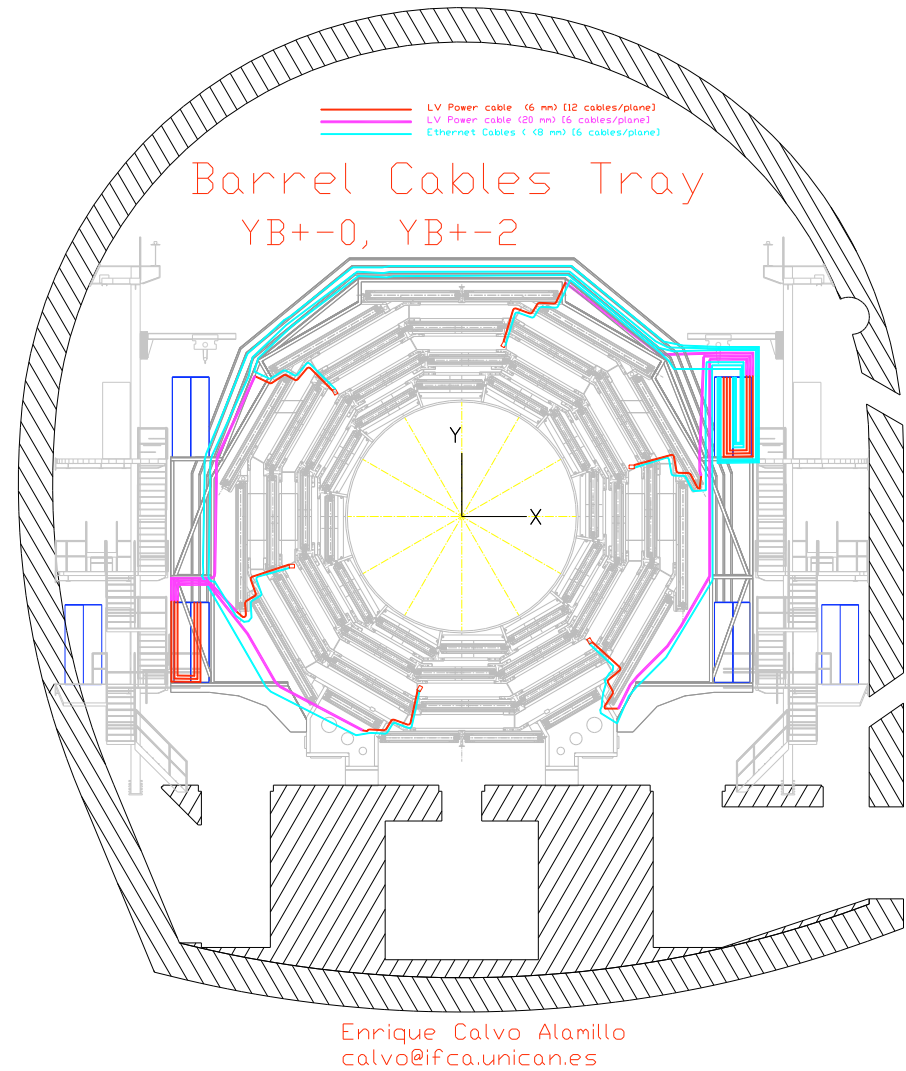
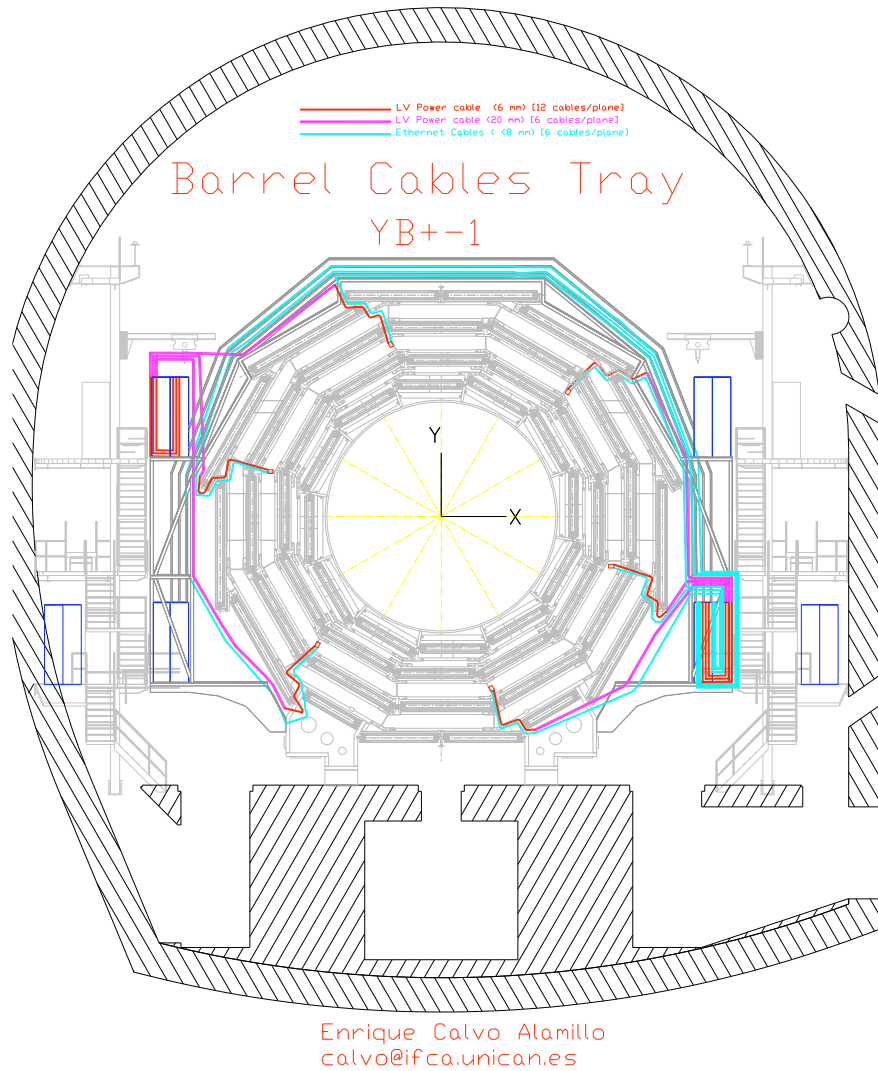
Muon Alignment Aachen – April 04

News since March 04:

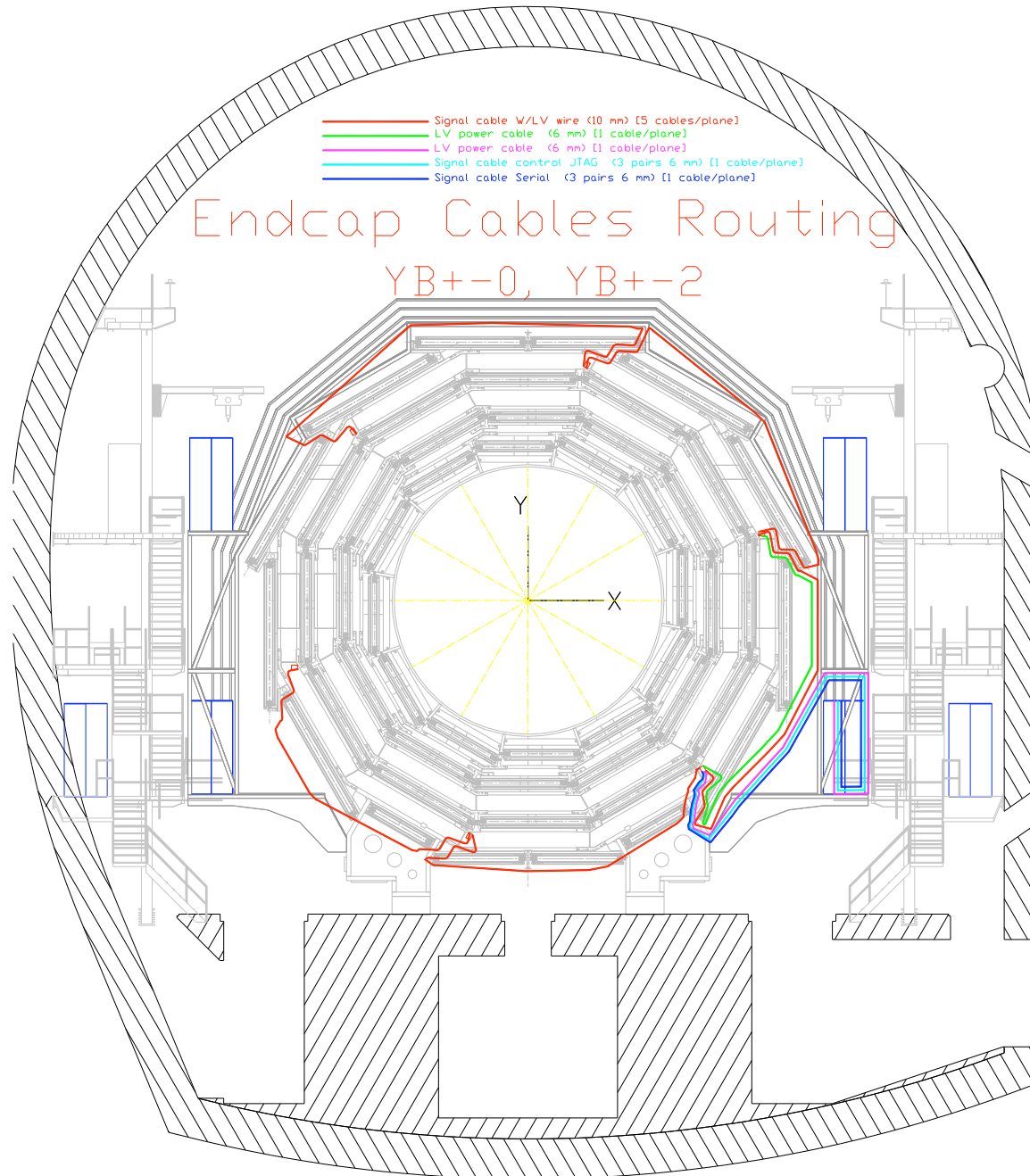
1. Cable routing on YB wheels
(Barrel, Endcap and Link components)
2. CAEN Easy modules location
3. ISR Calibration layout & Schedule
(LinkDisc structure status)

Enrique Calvo Alamillo

Barrel routing



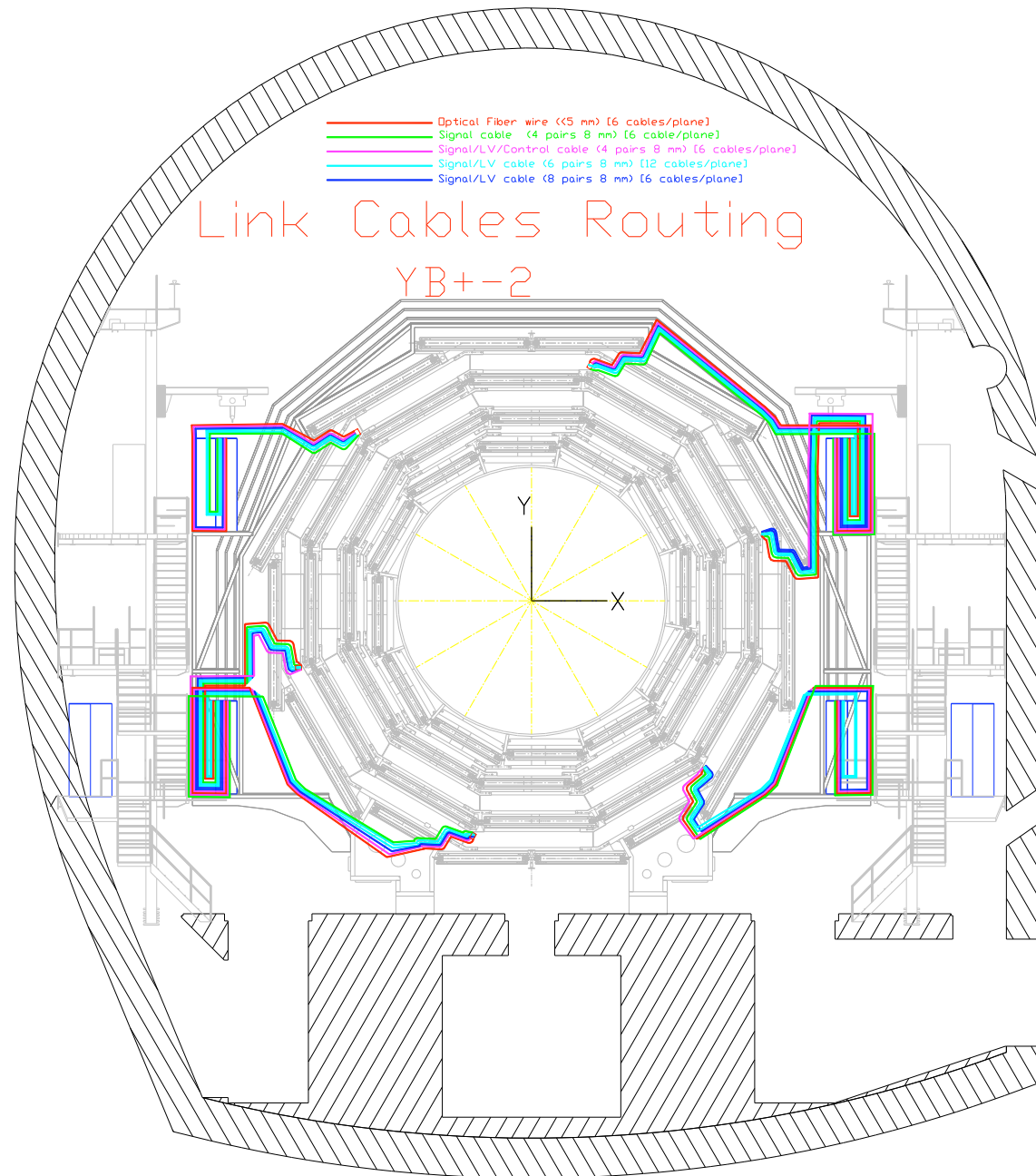
Endcap routing



Endcap Cables Routing

YB+-0, YB+-2

Link routing



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CAEN Easy Modules: A3006P

	YB2		DT-DIG3V3	DT-DIG5V	DT-AN5V	DT-AN2V5	OTHERS	CH USED
Tower 1 (12 chambers)								
Crate 1	A3050	1	S1 (MB1/MB2)					2
	A3050	2	S1 (MB3/MB4)					2
	A3009	3		S1 (MB1/MB2/MB3/MB4)	S1 (MB1/MB2/MB3/MB4)	S1 (MB1/MB2/MB3/MB4)		12
		4						
		5						
Crate 2	A3050	1	S2 (MB1/MB2)					2
	A3050	2	S2 (MB3/MB4)					2
	A3009	3		S2 (MB1/MB2/MB3/MB4)	S2 (MB1/MB2/MB3/MB4)	S2 (MB1/MB2/MB3/MB4)		12
	A3006P	4					Alignment LINK	6
	A3006P	5					Alignment MAB	6
Crate 3	A3050	1	S3 (MB1/MB2)					2
	A3050	2	S3 (MB3/MB4)					2
	A3009	3		S3 (MB1/MB2/MB3/MB4)	S3 (MB1/MB2/MB3/MB4)	S3 (MB1/MB2/MB3/MB4)		12
		4						
		5						
Tower 2 (13 chambers)								
Crate 1	A3050	1	S4 (MB1/MB2)					2
	A3050	2	S4 (MB3/MB4(3))					2
	A3050	3	S4 (MB4(5))					1
	A3009	4		S4 (MB1/MB2/MB3/MB4(3)/MB4(5))				5
	A3009	5			S4 (MB1/MB2/MB3/MB4(3)/MB4(5))	S4 (MB1/MB2/MB3/MB4(3)/MB4(5))		10
Crate 2	A3050	1	S5 (MB1/MB2)					2
	A3050	2	S5 (MB3/MB4)					2
	A3009	3		S5 (MB1/MB2/MB3/MB4)	S5 (MB1/MB2/MB3/MB4)	S5 (MB1/MB2/MB3/MB4)		12
	A3006P	4					Alignment LINK	6
		5						
Crate 3	A3050	1	S6 (MB1/MB2)					2
	A3050	2	S6 (MB3/MB4)					2
	A3009	3		S6 (MB1/MB2/MB3/MB4)	S6 (MB1/MB2/MB3/MB4)	S6 (MB1/MB2/MB3/MB4)		12
		4						
		5						

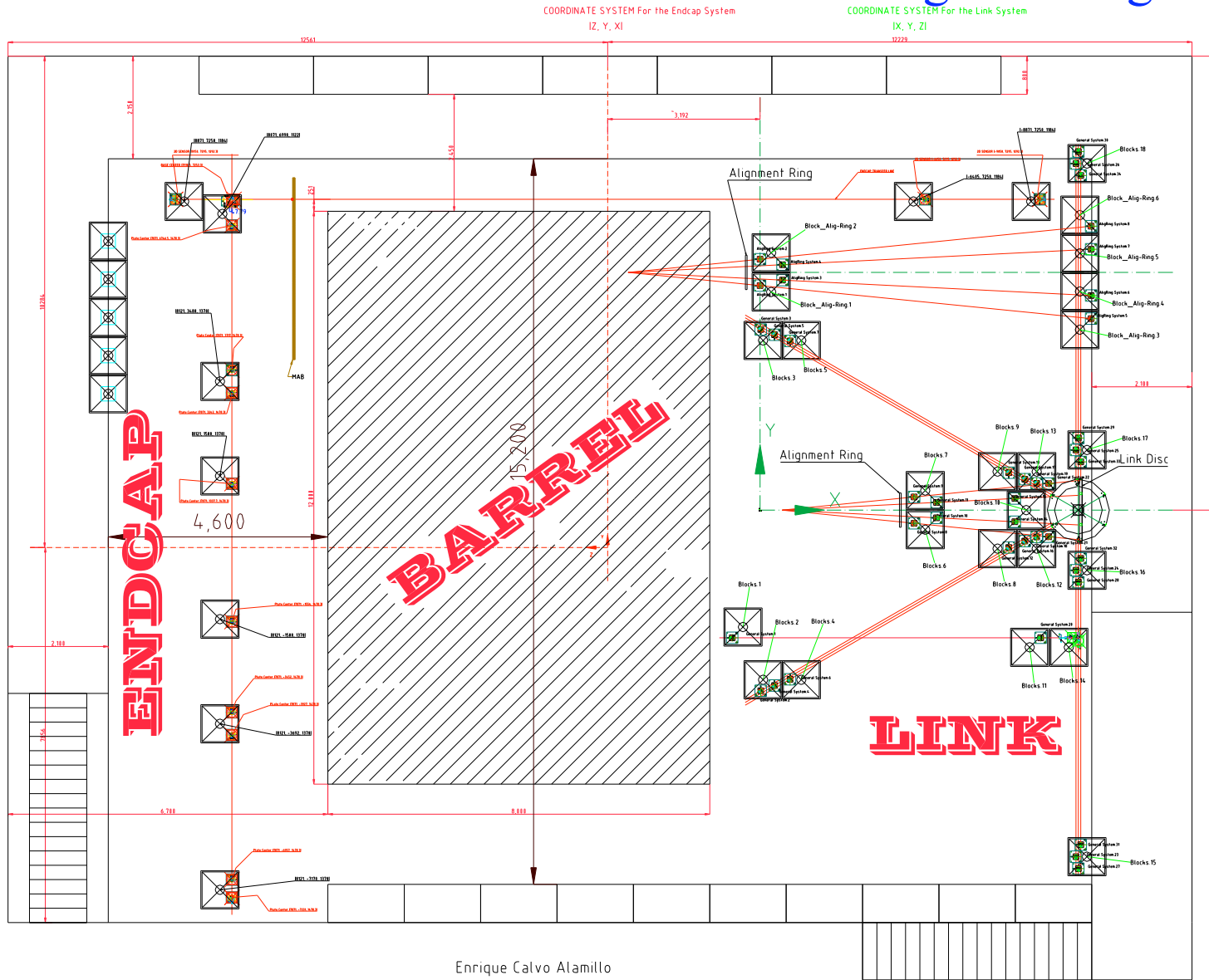
CAEN Easy Modules: A3006P

Tower 3 (12 chambers)									
Crate 1	A3050	1	S7 (MB1/MB2)						2
	A3050	2	S7 (MB3/MB4)						2
	A3009	3		S7 (MB1/MB2/MB3/MB4)	S7 (MB1/MB2/MB3/MB4)	S7 (MB1/MB2/MB3/MB4)			12
		4							
		5							
Crate 2	A3050	1	S8 (MB1/MB2)						2
	A3050	2	S8 (MB3/MB4)						2
	A3009	3		S8 (MB1/MB2/MB3/MB4)	S8 (MB1/MB2/MB3/MB4)	S8 (MB1/MB2/MB3/MB4)			12
	A3006P	4					Alignment MAB		6
	A3006P	5					Alignment LINK		6
Crate 3	A3050	1	S9 (MB1/MB2)						2
	A3050	2	S9 (MB3/MB4)						2
	A3009	3		S9 (MB1/MB2/MB3/MB4)	S9 (MB1/MB2/MB3/MB4)	S9 (MB1/MB2/MB3/MB4)			12
		4							
		5							
Tower 4 (13 chambers)									
Crate 1	A3050	1	S10 (MB1/MB2)						2
	A3050	2	S10 (MB3/MB4(9))						2
	A3050	3	S10 (MB4(11))						1
	A3009	4		S10 (MB1/MB2/MB3/MB4(9)/MB4(11))					5
	A3009	5			S10 (MB1/MB2/MB3/MB4(9)/MB4(11))	S10 (MB1/MB2/MB3/MB4(9)/MB4(11))			10
Crate 2	A3050	1	S11 (MB1/MB2)						2
	A3050	2	S11 (MB3/MB4)						2
	A3009	3		S11 (MB1/MB2/MB3/MB4)	S11 (MB1/MB2/MB3/MB4)	S11 (MB1/MB2/MB3/MB4)			12
	A3006P	4					Alignment Endcap	1 ??	
	A3006P	5					Alignment LINK		6
Crate 3	A3050	1	S12 (MB1/MB2)						2
	A3050	2	S12 (MB3/MB4)						2
	A3009	3		S12 (MB1/MB2/MB3/MB4)	S12 (MB1/MB2/MB3/MB4)	S12 (MB1/MB2/MB3/MB4)			12
	A3100	4					Sector Collector		1
	A3100	5					Sector Collector		1

ISR Setup (1)

ISR 2004 TEST
LINK, BARREL and ENDCAP SYSTEM LAYOUT

Start setup installation: Begin of August 04



Alignment Ring Calibration Setup

Lista de coordenadas

Socket Positions	X	Y	Z	Tolerance
Block_Align-Ring 1	1000	1000	1000	0.2
Block_Align-Ring 2	1000	1000	1000	0.2
Block_Align-Ring 3	1000	1000	1000	0.2
Block_Align-Ring 4	1000	1000	1000	0.2
Block_Align-Ring 5	1000	1000	1000	0.2
Block_Align-Ring 6	1000	1000	1000	0.2

Lista de coordenadas

Block Positions	X	Y	Z	Pos
Block 1	1000	1000	1000	1000
Block 2	1000	1000	1000	1000
Block 3	1000	1000	1000	1000
Block 4	1000	1000	1000	1000
Block 5	1000	1000	1000	1000
Block 6	1000	1000	1000	1000
Block 7	1000	1000	1000	1000
Block 8	1000	1000	1000	1000
Block 9	1000	1000	1000	1000
Block 10	1000	1000	1000	1000
Block 11	1000	1000	1000	1000
Block 12	1000	1000	1000	1000
Block 13	1000	1000	1000	1000
Block 14	1000	1000	1000	1000
Block 15	1000	1000	1000	1000
Block 16	1000	1000	1000	1000
Block 17	1000	1000	1000	1000
Block 18	1000	1000	1000	1000

Link Disc Calibration Setup

Lista de coordenadas

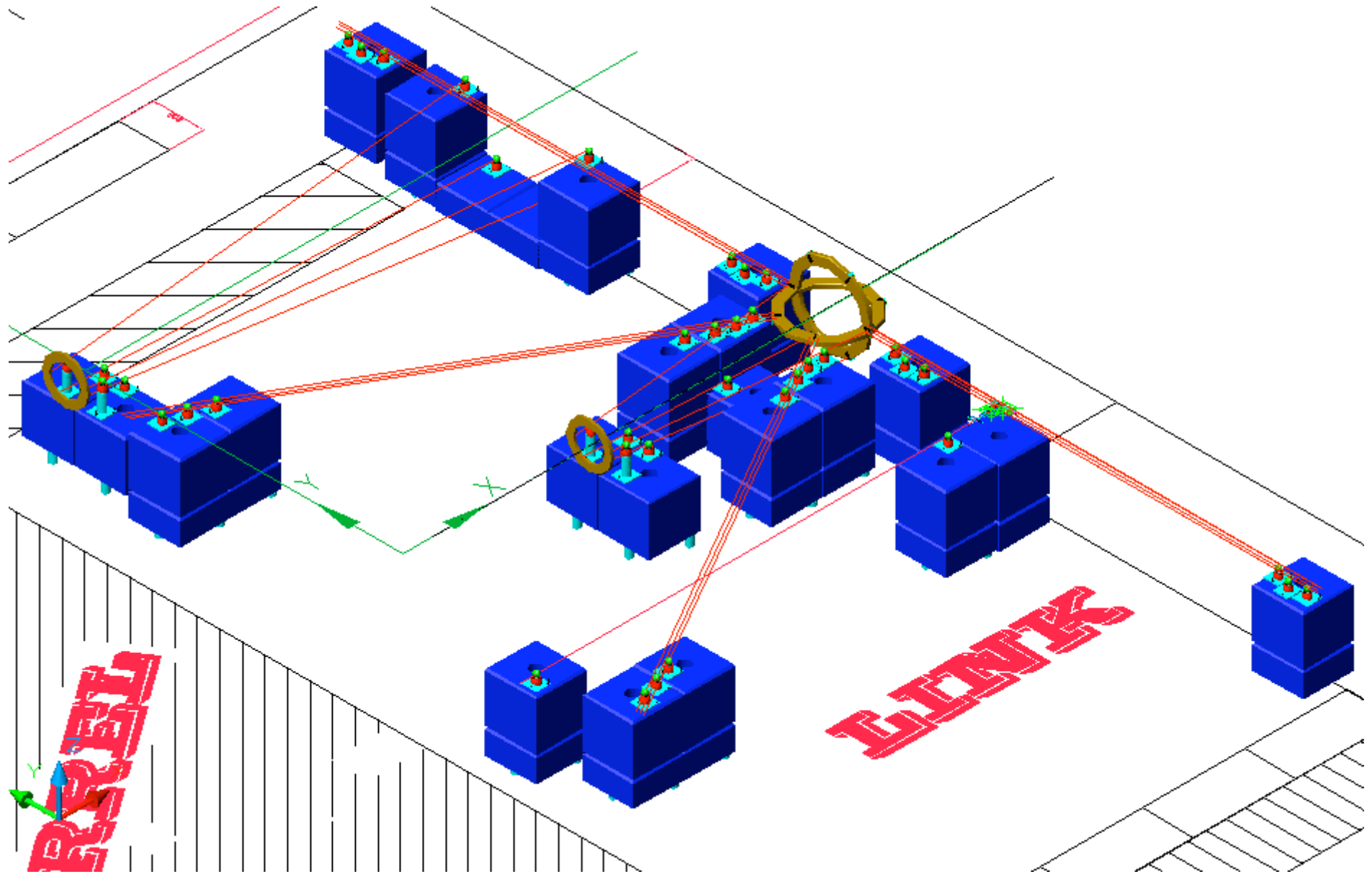
Socket Positions	X	Y	Z	Tolerance
Block 1	1000	1000	1000	0.2
Block 2	1000	1000	1000	0.2
Block 3	1000	1000	1000	0.2
Block 4	1000	1000	1000	0.2
Block 5	1000	1000	1000	0.2
Block 6	1000	1000	1000	0.2
Block 7	1000	1000	1000	0.2
Block 8	1000	1000	1000	0.2
Block 9	1000	1000	1000	0.2
Block 10	1000	1000	1000	0.2
Block 11	1000	1000	1000	0.2
Block 12	1000	1000	1000	0.2
Block 13	1000	1000	1000	0.2
Block 14	1000	1000	1000	0.2
Block 15	1000	1000	1000	0.2
Block 16	1000	1000	1000	0.2
Block 17	1000	1000	1000	0.2
Block 18	1000	1000	1000	0.2

Lista de coordenadas

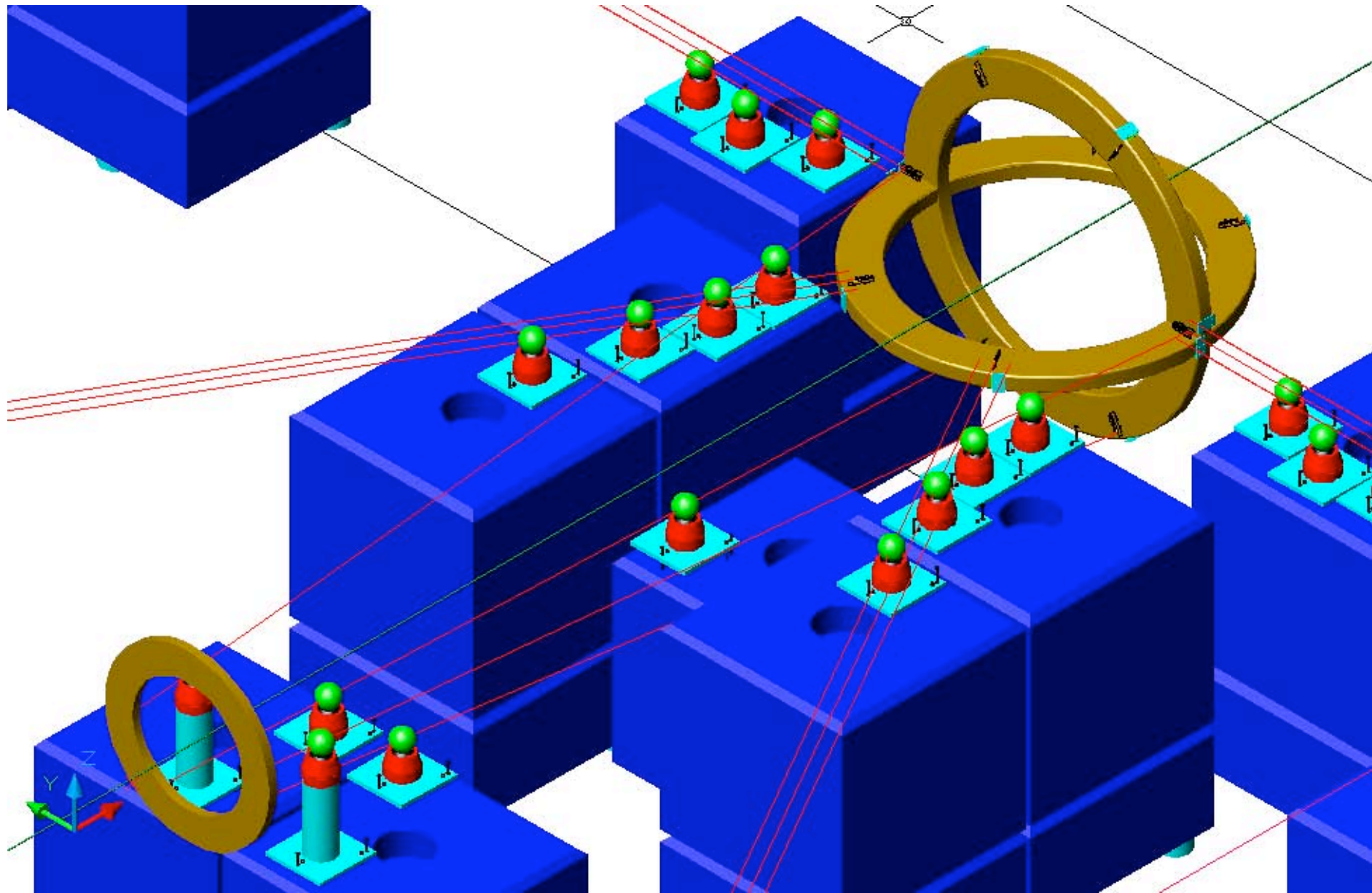
Block Positions	X	Y	Z	Pos
Block 1	1000	1000	1000	1000
Block 2	1000	1000	1000	1000
Block 3	1000	1000	1000	1000
Block 4	1000	1000	1000	1000
Block 5	1000	1000	1000	1000
Block 6	1000	1000	1000	1000
Block 7	1000	1000	1000	1000
Block 8	1000	1000	1000	1000
Block 9	1000	1000	1000	1000
Block 10	1000	1000	1000	1000
Block 11	1000	1000	1000	1000
Block 12	1000	1000	1000	1000
Block 13	1000	1000	1000	1000
Block 14	1000	1000	1000	1000
Block 15	1000	1000	1000	1000
Block 16	1000	1000	1000	1000
Block 17	1000	1000	1000	1000
Block 18	1000	1000	1000	1000

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ISR Setup (2)



ISR Setup (3)



Link Disc Status: In fabrication at FVT (Aachen)
Ready (with inserts) by June 04

