

**EXISTING CABLES**

High Voltage Cables - 4 CHANNELS - SHV			
1	2	3	4
BLM1_1	BLM2_1	Air-BPM1	

LWL Links - DUPLEX (2x2 fibres) - 1 CHANNEL	
1/1	
SCR-Ladder1_1	

RG214 Coaxial Cables - 8 CHANNELS - N							
1	2	3	4	5	6	7	8
SCR-Ladder1_1	SCR-Ladder1_2	SCR-Ladder1_3	SEM-IC1_1	RT+FCT1_1	RT+FCT1_2		

RG214 Coaxial Cables - 3 CHANNELS - N		
1	2	3
SCR-Ladder1_4	SCR-Ladder1_5	SCR-Ladder1_6

Multi-core Data & Control Cables (25-pin) - SubD female	
1	2
FCT2_1	SEM-IC1_1

LEGEND	
Detector	Experimenters
RT1	BWH, MW, HB, OC
FCT1	BWH, HR, MW, HB, OC
GSI FCT+RT	BWH, HR, MW, HB, OC
MWPC1	BWH, MW, AR, PB
CCC1	FK, HR, TS
BIF1	YS, PF
SCR1	BWH, CA, PB
OTR1	BWH, CA, PB
SCR-Ladder1	AL, PF, BWH
BLM 1	PB, VL, AR
BLM 2	PB, VL, AR
Air-BPM1	AR
SEM-Grid1	AR
SEM-IC1	AR

Comments	
MWPC1	No need for RG214 cables (listed as for independent readout, which is not required) MWPC1 = HTPDG1G + QFW readout instead of IBT integrator electronics
BIF1	24 Volt signals for the 3 valves might be routed via twisted-pair Lemo cables (instead of 15-pin Sub-D)
FCT1	Test cable not required as long as FAIR calibration circuit not finished
General	3 BLM1 detectors (CERN detectors) are not listed here, as these are connected to the ELR and Lassie/Ablass Underscore " _x" following detector name counts the number of cables of a given type

**NEW CABLES**

CAT7 Cables							
1	2	3	4	5	6	7	8
BIF1_1	SCR1_1	OTR1_1					

Profinet Cables	
9	10
SCR1_1	

High Voltage Cables - 6 CHANNELS - SHV					
1	2	3	4	5	6
SEM-Grid1_1	MWPC1_1	MWPC1_2			

LWL Links - DUPLEX (2x2 fibres) - 4 CHANNELS							
1/1	1/2	2/1	2/2	3/1	3/2	4/1	4/2
BIF1_1		SEM-Grid1_1		MWPC1_1			

LWL Links - DUPLEX (2x2 fibres) - 4 CHANNELS							
5/1	5/2	6/1	6/2	7/1	7/2	8/1	8/2
SCR-Ladder1_2		SCR-Ladder1_3					

LWL Links - MONOMODE	
1	2
FCT1_1	RF+FCT1_1

RG58 Coaxial Cables - 8 CHANNELS - BNC							
1	2	3	4	5	6	7	8
RT1_1	FCT1_1	BIF1_1	BIF1_2	BIF1_3	BIF1_4	BIF1_5	

RG214 Coaxial Cables - 10 CHANNELS - N									
1	2	3	4	5	6	7	8	9	10
FCT1_1	CCC1_1	SEM-Grid1_1	SEM-Grid1_2	Air-BPM1_1	Air-BPM2_2	BLM1_1	BLM2_1	MWPC1_1	MWPC1_2

Multi-Core Data & Control Cables (9-pin) - 8 CHANNELS - SubD female									
1	2	3	4	5	6	7	8	9	10
CCC1_1	SCR1_1	OTR1_1							

Multi-Core Data & Control Cables (15-pin) - 4 CHANNELS - SubD female							
1	2	3	4	5	6	7	8
RT1_1	FCT1_1	CCC1_1	BIF1_1				

Single twisted pair - 6 CHANNELS - 2-pin Lemo connector					
1	2	3	4	5	6
CCC1_1					