

# *Hall A LHRS cabling map (latest updates in red)*

## *LHRS Pion Rejecter*

Detector position / PMT Labels	Online GUI labels	FADC VME crate roc 31, Slot-ch.	HV Slot-ch	Detector position / PMT Labels	Online GUI labels	FADC VME crate roc 31, Slot-ch.	HV Slot-ch
PiR-1L	PR1 0	9-0	3-0	PiR-18L	PR2 0	11-0	4-5
PiR-2L	PR1 1	9-1	3-1	PiR-19L	PR2 1	11-1	4-6
PiR-3L	PR1 2	9-2	3-2	PiR-20L	PR2 2	11-2	4-7
PiR-4L	PR1 3	9-3	3-3	PiR-21L	PR2 3	11-3	4-8
PiR-5L	PR1 4	9-4	3-4	PiR-22L	PR2 4	11-4	4-9
PiR-6L	PR1 5	9-5	3-5	PiR-23L	PR2 5	11-5	4-10
PiR-7L	PR1 6	9-6	3-6	PiR-24L	PR2 6	11-6	4-11
PiR-8L	PR1 7	9-7	3-7	PiR-25L	PR2 7	11-7	5-0
PiR-9L	PR1 8	9-8	3-8	PiR-26L	PR2 8	11-8	5-1
PiR-10L	PR1 9	9-9	3-9	PiR-27L	PR2 9	11-9	5-2
PiR-11L	PR1 10	9-10	3-10	PiR-28L	PR2 10	11-10	5-3
PiR-12L	PR1 11	9-11	3-11	PiR-29L	PR2 11	11-11	5-4
PiR-13L	PR1 12	9-12	4-0	PiR-30L	PR2 12	11-12	5-5
PiR-14L	PR1 13	9-13	4-1	PiR-31L	PR2 13	11-13	5-6
PiR-15L	PR1 14	9-14	4-2	PiR-32L	PR2 14	11-14	5-7
PiR-16L	PR1 15	9-15	4-3	PiR-33L	PR2 15	11-15	5-8
PiR-1R	PR1 17	10-0	10-0	PiR-18R	PR2 17	12-0	9-0
PiR-2R	PR1 18	10-1	10-1	PiR-19R	PR2 18	12-1	9-1
PiR-3R	PR1 19	10-2	10-2	PiR-20R	PR2 19	12-2	9-2
PiR-4R	PR1 20	10-3	10-3	PiR-21R	PR2 20	12-3	9-3
PiR-5R	PR1 21	10-4	10-4	PiR-22R	PR2 21	12-4	9-4
PiR-6R	PR1 22	10-5	10-5	PiR-23R	PR2 22	12-5	9-5
PiR-7R	PR1 23	10-6	10-6	PiR-24R	PR2 23	12-6	9-6
PiR-8R	PR1 24	10-7	11-0	PiR-25R	PR2 24	12-7	9-7
PiR-9R	PR1 25	10-8	11-1	PiR-26R	PR2 25	12-8	9-8
PiR-10R	PR1 26	10-9	11-2	PiR-27R	PR2 26	12-9	9-9
PiR-11R	PR1 27	10-10	11-3	PiR-28R	PR2 27	12-10	9-10
PiR-12R	PR1 28	10-11	11-4	PiR-29R	PR2 28	12-11	9-11
PiR-13R	PR1 29	10-12	11-5	PiR-30R	PR2 29	12-12	10-7
PiR-14R	PR1 30	10-13	11-6	PiR-31R	PR2 30	12-13	10-8
PiR-15R	PR1 31	10-14	11-7	PiR-32R	PR2 31	12-14	10-9
PiR-16R	PR1 32	10-15	11-8	PiR-33R	PR2 32	12-15	10-10
PiR-17L	PR1 16	8-12	4-4	PiR-34L	PR2 16	8-14	5-9
PiR-17R	PR1 33	8-13	11-9	PiR-34R	PR2 33	8-15	10-11

### *LHRS S2m*

Detector position / PMT Labels	FADC VME crate roc 31, Slot-ch	TDC FastBus Slot-ch.	HV Slot-ch	Detector position / PMT Labels	FADC VME crate roc 31, Slot-ch	TDC FastBus Slot-ch.	HV Slot-ch
S2m-1L	6 - 0	11 - 0	0-0	S2m-1R	7 - 0	11 - 16	12-0
S2m-2L	6 - 1	11 - 1	0-1	S2m-2R	7 - 1	11 - 17	12-1
S2m-3L	6 - 2	11 - 2	0-2	S2m-3R	7 - 2	11 - 18	12-2
S2m-4L	6 - 3	11 - 3	0-3	S2m-4R	7 - 3	11 - 19	12-3
S2m-5L	6 - 4	11 - 4	5-10	S2m-5R	7 - 4	11 - 20	12-4
S2m-6L	6 - 5	11 - 5	5-11	S2m-6R	7 - 5	11 - 21	12-5
S2m-7L	6 - 6	11 - 6	2-11	S2m-7R	7 - 6	11 - 22	12-6
S2m-8L	6 - 7	11 - 7	2-10	S2m-8R	7 - 7	11 - 23	12-7
S2m-9L	6 - 8	11 - 8	0-8	S2m-9R	7 - 8	11 - 24	12-8
S2m-10L	6 - 9	11 - 9	0-9	S2m-10R	7 - 9	11 - 25	12-9
S2m-11L	6 - 10	11 - 10	0-10	S2m-11R	7 - 10	11 - 26	12-10
S2m-12L	6 - 11	11 - 11	0-11	S2m-12R	7 - 11	11 - 27	12-11
S2m-13L	6 - 12	11 - 12	13-0	S2m-13R	7 - 12	11 - 28	13-4
S2m-14L	6 - 13	11 - 13	13-1	S2m-14R	7 - 13	11 - 29	13-5
S2m-15L	6 - 14	11 - 14	13-2	S2m-15R	7 - 14	11 - 30	13-6
S2m-16L	6 - 15	11 - 15	13-3	S2m-16R	7 - 15	11 - 31	13-7

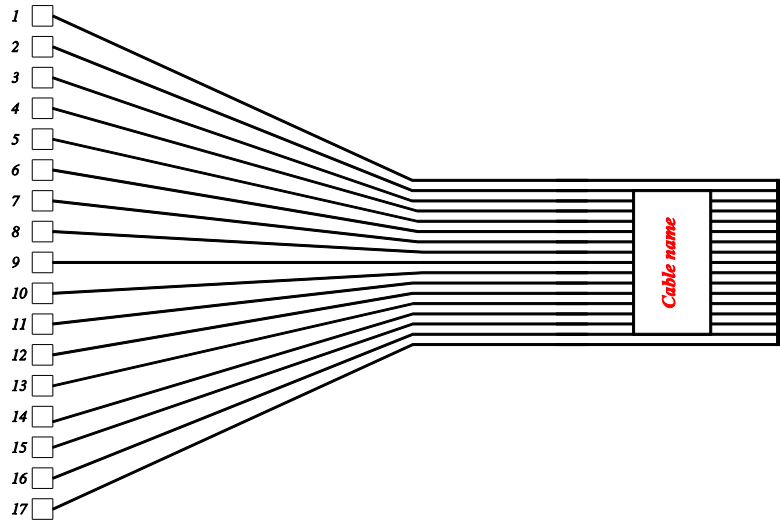
### *LHRS Gas Cerenkov&S0& L1A reference*

Detector position / PMT labels	FADC VME crate roc 31, Slot-ch.	TDC Fast bus Slot -ch.	HV Slot-ch	HallA Labels	MCC Labels	FADC VME crate roc 31, Slot-ch..
Gas Cer-1	5 - 2	11 - 32	2-0	Upstream Raster y	Upstream Raster x	5 - 0
Gas Cer-2	5 - 3	11 - 33	2-1	Upstream Raster x	Upstream Raster y	5 - 1
Gas Cer-3	5 - 4	11 - 34	2-2	Downstream Raster y	Downstream Raster x	5 - 2
Gas Cer-4	5 - 5	11 - 35	2-3	Downstream Raster x	Downstream Raster y	5 - 3
Gas Cer-5	5 - 6	11 - 36	2-4	BPMA x+	BPMA x+	5 - 4
Gas Cer-6	5 - 7	11 - 37	2-5	BPMA x-	BPMA x-	5 - 5
Gas Cer-7	5 - 8	11 - 38	2-6	BPMA y+	BPMA y+	5 - 6
Gas Cer-8	5 - 9	11 - 39	2-7	BPMA y-	BPMA y-	5 - 7
Gas Cer-9	5 - 10	11 - 40	2-8	BPMB x+	BPMB x+	5 - 8
Gas Cer-10	5 - 11	11 - 41	2-9	BPMB x-	BPMB x-	5 - 9
Gas Cer-Sum	5 - 12	11 - 42		BPMB y+	BPMB y+	5 - 10
S0A-Top	5 - 0	11 - 43	13-9	BPMB y-	BPMB y-	5 - 11
S0B-Bottom	5 - 1	11 - 44	13-8			
L1A reference	5 - 13					

## *LHRS VDC and Straws (HV)*

Detector position	Patch panel Name&posit.	Flat Cable name	Flat cable Wire No	ADC FB BOT Slot-ch.	TDC Fast bus Slot -ch.	HV Slot-ch
VDC Top						7-0
VDC Bottom						7-3
<i>Straw UM1234</i>						8-0
<i>Straw UM5678</i>						8-2
<i>Straw UM91011</i>						8-4
<i>Straw VM123</i>						8-6
<i>Straw VM4567</i>						8-8
<i>StrawVM891011</i>						8-10

NOTE: Straws not active anymore.



Flat coaxial cable: One end 17 BNC connectors other end 34 pin connector.

PS: Line number 17-in not used

*Albert Shahinyan*  
*Sep 30, 2013*

*Latest modification by Florian Hauenstein*  
*September 06, 2018*