Cabling Of Luminosity Spectrometer

LSD UP

Channel	X1	X2	X3	X4	X5	X6	X7	X8
Tunnel	C1	C2	C3	C4	C5	C6	C7	C8
Rack (hall)	C1	C2	C3	C4	C5	C6	C7	C8
Signal Cable	SY16	XS15	XS14	XS13	XS12	XS11	XS10	YS9
HV Cable	32	33	34	35	36	37	38	39
HV Box/Ch	15/5	15/4	15/3	15/2	15/1	13/6	13/5	13/4
PMT	34	32	26	25	24	23	22	21
Front-end	1	1	1	1	1	1	1	1

Channel	X9	X10	X11	X12	X13	X14	X15	X16
Tunnel	D1	D2	D3	D4	D5	D6	D7	D8
Rack (hall)	D1	D2	D3	D4	D5	D6	D7	D8
Signal Cable	YS8	YS7	YS6	YS5	YS4	YS3	YS2	YS1
HV Cable	40	41	42	43	44	45	46	47
HV Box/Ch	13/3	13/2	13/1	22/6	22/5	22/4	22/3	22/2
PMT	20	19	18	17	16	15	14	13
Front-end	2	2	2	2	2	2	2	2

Channel	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11
Tunnel	E1	E2	E3	E4	**F4**	E6	**F5**	E8	F1	F2	F3
Rack (hall)	E1	E2	E3	E4	**E5**	E6	**E7**	E8	F1	F2	F3
Signal Cable	SX11	XS10	SpB0	NX8	NX7	NX6	-	SX4	SX3	SX2	VS2
HV Cable	48	49	50	51	52	53	54	55	56	57	58
HV Box/Ch	22/1	16/6	16/5	16/4	16/3	16/2	16/1	10/6	10/5	10/4	10/3
PMT	12	11	?	9	8	7	6	5	4	3	2
Front-end	3	3	3	3	3	3	3	3	4	4	4

LSD DOWN

Channel	X1	X2	X3	X4	X5	X6	X7	X8
Tunnel	G1	G2	G3	G4	G5	G6	G7	G8
Rack (hall)	G1	G2	G3	G4	G5	G6	G7	G8
Signal Cable	NY1	?	NY3	NY4	NY5	NY6	NY7	NY8
HV Cable	1	2	3	4	5	6	7	8
HV Box/Ch	20/6	20/5	20/4	20/3	20/2	20/1	23/6	23/5
Front-end	5	5	5	5	5	5	5	5

Channel	X9	X10	X11	X12	X13	X14	X15	X16
Tunnel	H1	H2	H3	H4	**H5**	**H6**	**H7**	**H8**
Rack (hall)	H1	H2	H3	H4	**H7**	**H8**	**H5**	**H6**
Signal Cable?	NY9	NY10	NY11	NY12	NY13	NY14	NY15	NY16
HV Cable	9	10	11	12	13	14	15	16
HV Box/Ch	23/4	23/3	23/2	23/1	17/6	17/5	17/4	17/3
Front-end	6	6	6	6	6	6	6	6

Comment: The cable swap (H5,H6) $\leftrightarrow$ (H7,H8) found in the data fixed by extra cable swaps in the big patch pannel in the hall.

Channel	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8
Tunnel	**I1**	**I2**	I3	I4	I5	I6	I7	I8
Rack (hall)	**J1**	**J2**	I3	I4	I5	I6	I7	I8
Signal Cable?	NX1	NX2	NX3	NX4	NX5	NX6	NX7	NX8
HV Cable	17	18	19	20	21	22	23	24
HV Box/Ch	17/2	17/1	19/6	19/5	19/4	19/3	19/2	19/1
Front-end	7	7	7	7	7	7	7	7

Channel	Y9	Y10	Y11	Y12	Y13	Y14	Y15
Tunnel	**J1**	**J2**	J3	J4	J5	J6	J7
Rack (hall)	**I1**	**I2**	J3	J4	J5	J6	J7
Signal Cable?	NY9	NY10	NY11	NY12	NY13	NY14	NY15
HV Cable	25	26	27	28	29	30	31
HV Box/Ch	24/6	24/5	24/4	24/3	24/2	24/1	10/2
Front-end	8	8	8	8	8	8	8

Comment: Cable swaps I1$\leftrightarrow$J1 and I2$\leftrightarrow$J2 are fixed in the small patch pannel in the rack.

LED

Detector	LED	Tunnel	Hall
LSD UP	GREEN	CA8	AA8
LSD DN	BLACK	CA7	AA7

LEMO Cables

Cable	Tunnel	Hall
trig 2	CA6	AA6
trig 1	CA5	AA5

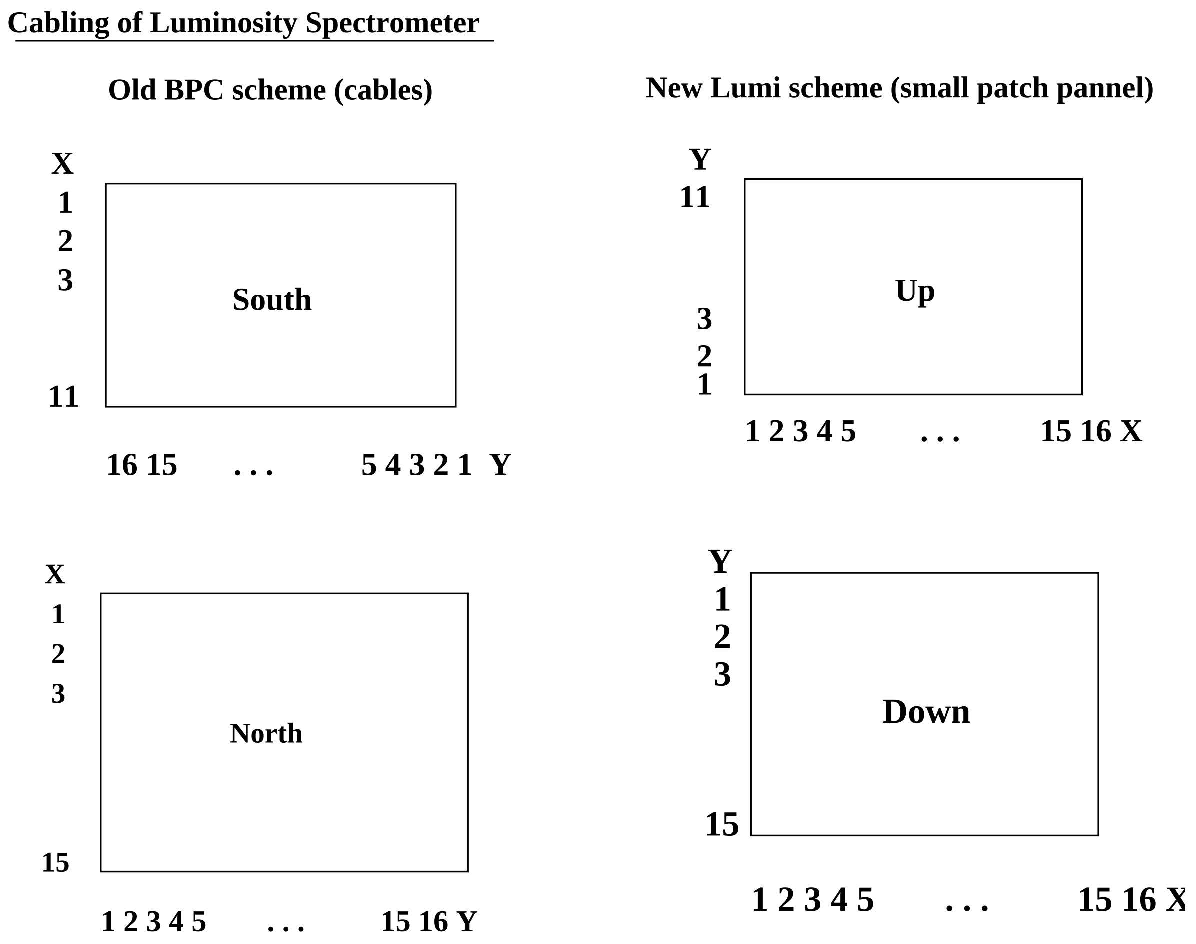

Figure 1: Schematics of experimental setup for WLS scanning.

Status of LSD Up

Channel	Comment
Y3	PMT gets stuck inside. We changed both basis and PMT with no success. Probably just LED is not flashing. PMT 10=1L22EN changed for PMT 4K25EM (or upside down?)
X13	Weak LED signal
X6	Low frequency on the oscilloscope. No LED?

Status of LSD Down

Channel	Comment
Y15	PMT gets stuck inside. No HV cable problem. Problems with HV-changed slot. Worked before.
Y1	Cable XN1 has soldered bypass.
X12	Cable NX12 has soldered bypass.

Spare cables and other stuff

Cable	Comment
SS1-SS10	Spare HV cables
NX9	Was in suspicious UX3 channel. Might be working.
VS1	Working.
Spare Basis 1	No corresponding cable in the tunnel.
NB2	No corresponding cable in the tunnel.
NY2	Changed during beam test. Says: bad base.
RYN2	Connector out.
XS1	Soldered bypass. Sparking.
Dn Veto 2	Cable cut. Cannot take out the base.
RYN1	No corresponding base on detector.
RYN2	No corresponding base on detector.