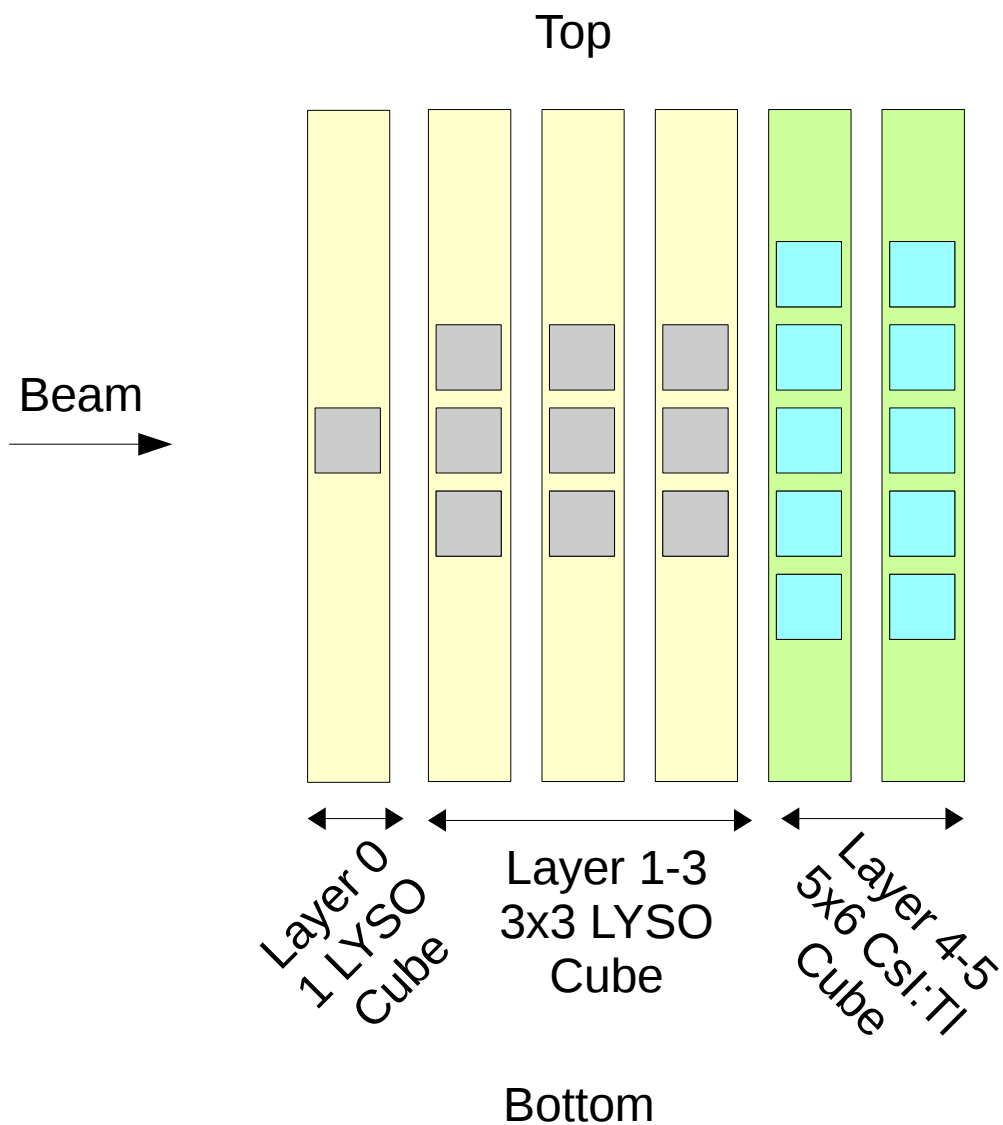


Mechanical configuration Lateral View (Right side)

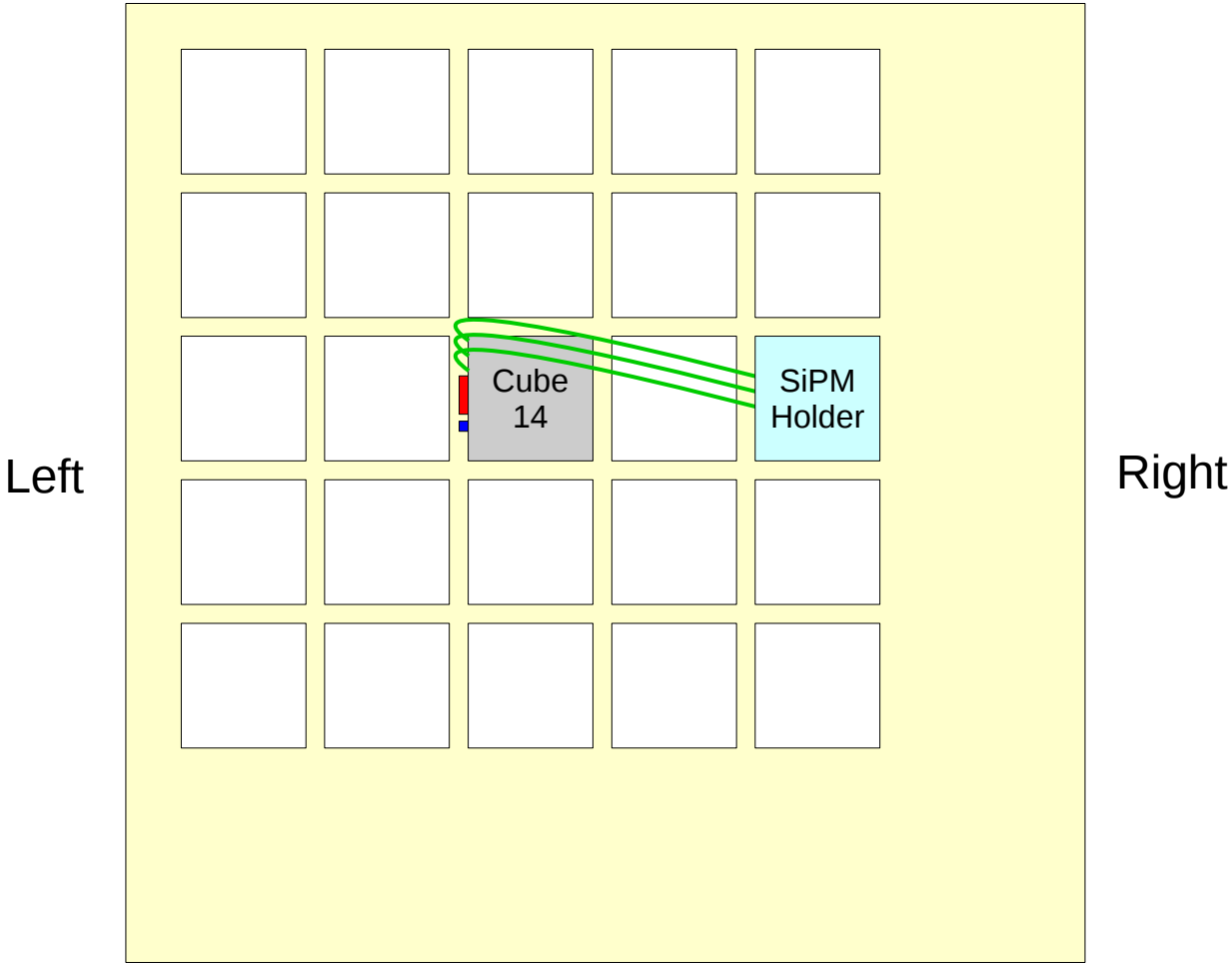


Mechanical configuration Front View

Layer 0

LYSO

Top



Large PD

Small PD

WLS Fiber

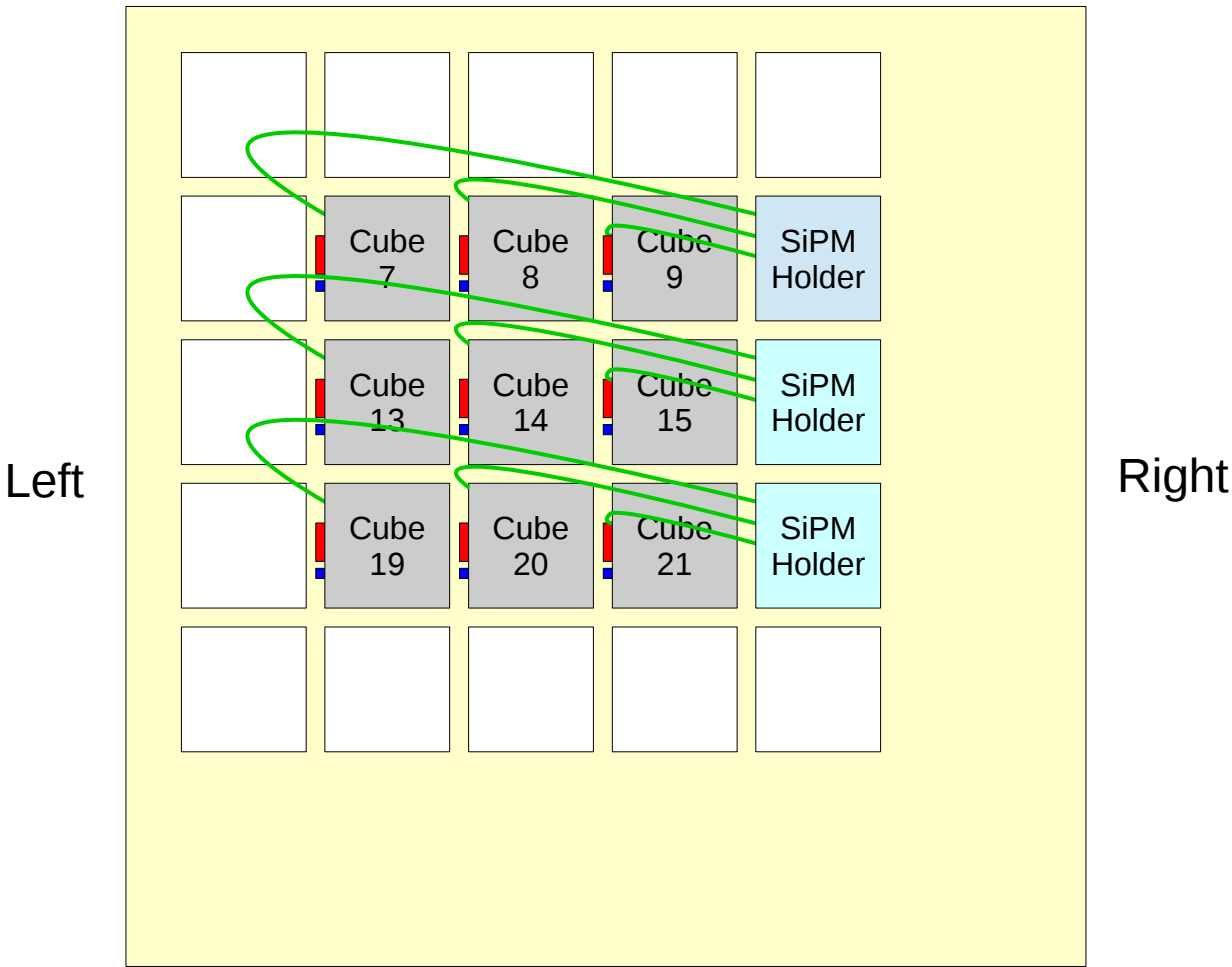
⊗ Beam

Mechanical configuration Front View

Layer 1-3

LYSO

Top



Large PD

Small PD

WLS Fiber

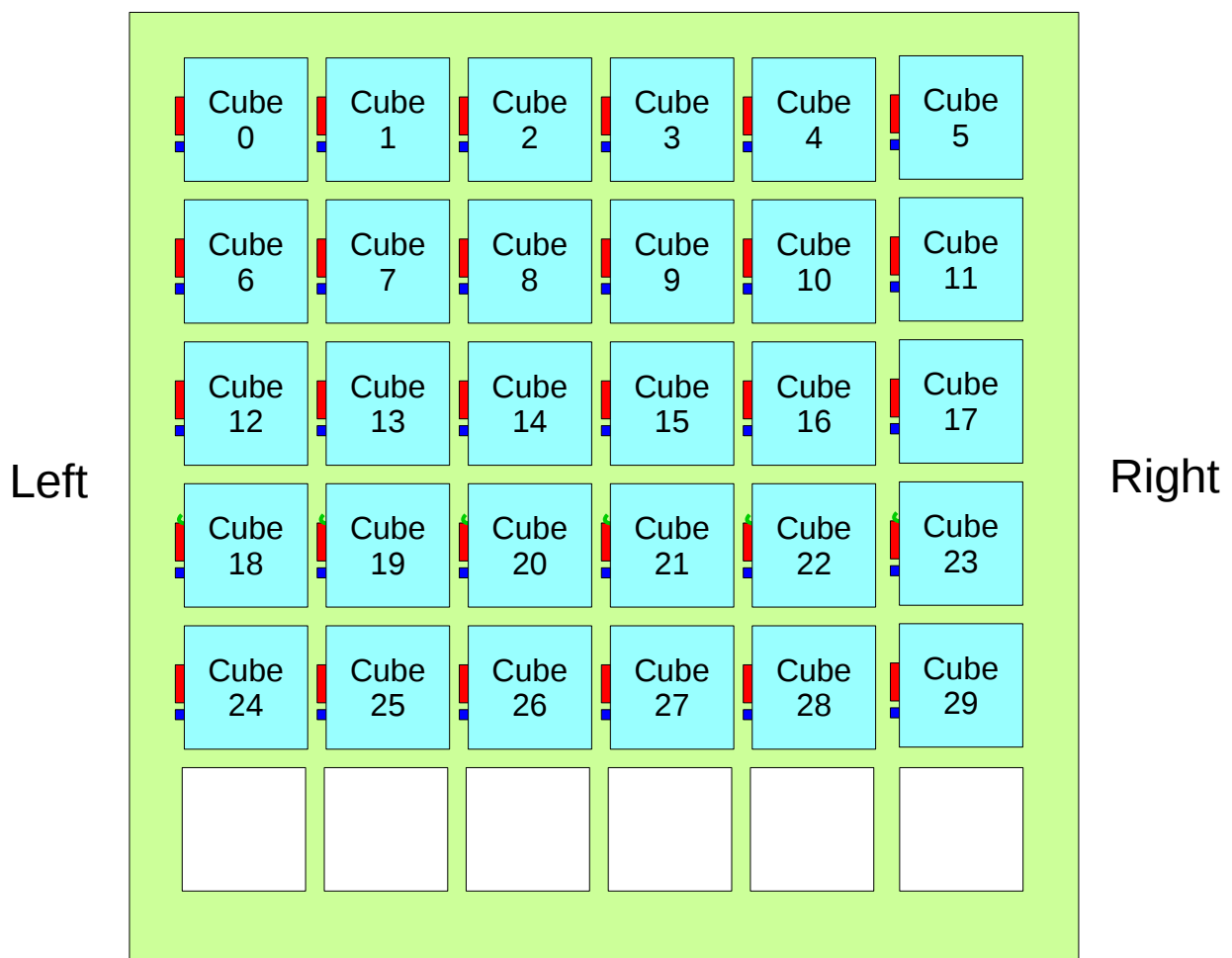
⊗ Beam

Mechanical configuration Front View

Layer 4-5

CSI:TI

Top

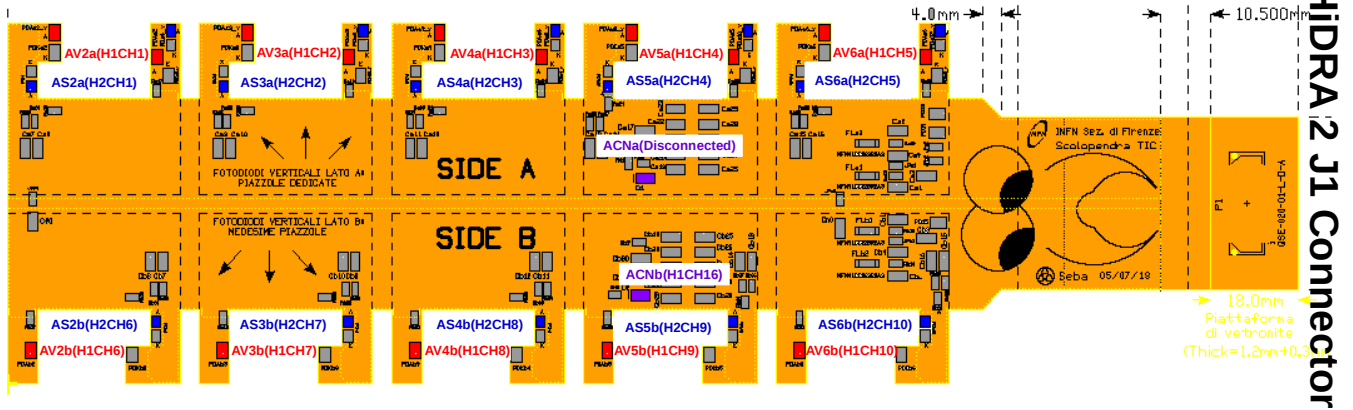


 Large PD
 Small PD

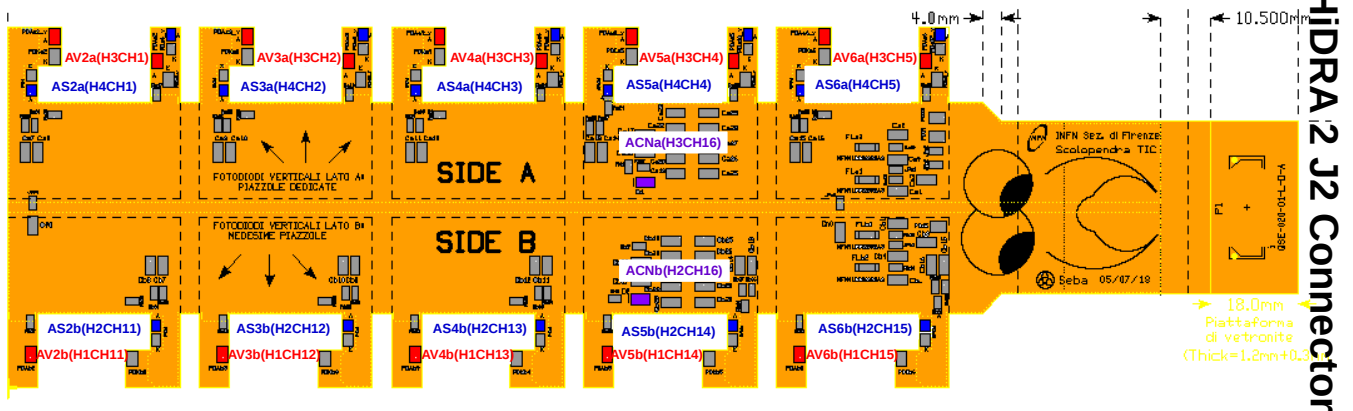
 Beam

Chip/Channel Mapping between Scolopendras and HIDRA 2 Boards

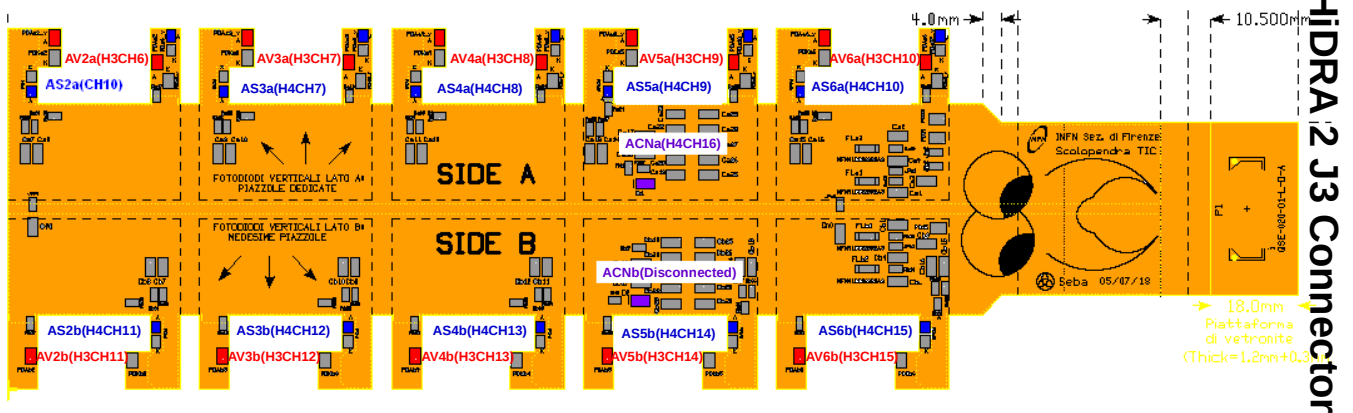
SCOLOPENDRA 1



SCOLOPENDRA 2



SCOLOPENDRA 3



- Small PD
- Large PD
- CN Diode

AV1a, AS1a, AV1b, AS1b - Disconnected

Layer/Cube Mapping between crystals and HiDRA2 Boards

Layer 0

LYSO

Cube	Large PD	Small PD	WLS Fiber
14	Sc1-AV4B H1-Ch8	Sc1-AS4B H2-Ch8	Sc3-AV4A H3-Ch8 Sc3-AS4B H4-Ch13 Sc3-AV4B H3-Ch13

Scolopendra ←———— ScN-AXXX —————→ Place
 HiDRA Chip ←———— HY-ChZ —————→ HiDRA Channel

Layer/Cube Mapping between crystals and HiDRA2 Boards

Layer 1-3

LYSO

Cube	Large PD	Small PD	WLS Fiber
7	Sc1-AV5A H1-Ch4	Sc1-AS5A H2-Ch4	Sc3-AV5A H3-Ch9
8	Sc1-AV5B H1-Ch9	Sc1-AS5B H2-Ch9	Sc3-AS5B H4-Ch14
9	Sc2-AV5B H1-Ch14	Sc2-AS5B H2-Ch14	Sc3-AV5B H3-Ch14
13	Sc1-AV4A H1-Ch3	Sc1-AS4A H2-Ch3	Sc3-AV4A H3-Ch8
14	Sc1-AV4B H1-Ch8	Sc1-AS4B H2-Ch8	Sc3-AS4B H4-Ch13
15	Sc2-AV4B H1-Ch13	Sc2-AS4B H2-Ch13	Sc3-AV4B H3-Ch13
19	Sc1-AV3A H1-Ch2	Sc1-AS3A H2-Ch2	Sc3-AV3A H3-Ch7
20	Sc1-AV3B H1-Ch7	Sc1-AS3B H2-Ch7	Sc3-AS3B H4-Ch12
21	Sc2-AV3B H1-Ch12	Sc2-AS3B H2-Ch12	Sc3-AV3B H3-Ch12

Scolopendra ←———— ScN-AXXX —————→ Place
 HiDRA Chip ←———— HY-ChZ —————→ HiDRA Channel

Layer/Cube Mapping between crystals and HiDRA2 Boards

Layer 4-5

CsI:TI

Column 0-1

Cube	Large PD	Small PD
0	Sc1-AV6A H1-Ch5	Sc1-AS6A H2-Ch5
6	Sc1-AV5A H1-Ch4	Sc1-AS5A H2-Ch4
12	Sc1-AV4A H1-Ch3	Sc1-AS4A H2-Ch3
18	Sc1-AV3A H1-Ch2	Sc1-AS3A H2-Ch2
24	Sc1-AV2A H1-Ch1	Sc1-AS2A H2-Ch1
1	Sc1-AV6B H1-Ch10	Sc1-AS6B H2-Ch10
7	Sc1-AV5B H1-Ch9	Sc1-AS5B H2-Ch9
13	Sc1-AV4B H1-Ch8	Sc1-AS4B H2-Ch8
19	Sc1-AV3B H1-Ch7	Sc1-AS3B H2-Ch7
25	Sc1-AV2B H1-Ch6	Sc1-AS2B H2-Ch6

Scolopendra ←———— ScN-AXXX —————→ Place
 HiDRA Chip ←———— HY-ChZ —————→ HiDRA Channel

Layer/Cube Mapping between crystals and HiDRA2 Boards

Layer 4-5

CsI:TI

Column 2-3

Cube	Large PD	Small PD
2	Sc2-AV6A H3-Ch5	Sc2-AS6A H4-Ch5
8	Sc2-AV5A H3-Ch4	Sc2-AS5A H4-Ch4
14	Sc2-AV4A H3-Ch3	Sc2-AS4A H4-Ch3
20	Sc2-AV3A H3-Ch2	Sc2-AS3A H4-Ch2
26	Sc2-AV2A H3-Ch1	Sc2-AS2A H4-Ch1
3	Sc2-AV6B H1-Ch15	Sc2-AS6B H2-Ch15
9	Sc2-AV5B H1-Ch14	Sc2-AS5B H2-Ch14
15	Sc2-AV4B H1-Ch13	Sc2-AS4B H2-Ch13
21	Sc2-AV3B H1-Ch12	Sc2-AS3B H2-Ch12
27	Sc2-AV2B H1-Ch11	Sc2-AS2B H2-Ch11

Scolopendra ←———— ScN-AXXX —————→ Place
 HiDRA Chip ←———— HY-ChZ —————→ HiDRA Channel

Layer/Cube Mapping between crystals and HiDRA2 Boards

Layer 4-5

CsI:TI

Column 4-5

Cube	Large PD	Small PD
4	Sc3-AV6A H3-Ch10	Sc3-AS6A H4-Ch10
10	Sc3-AV5A H3-Ch9	Sc3-AS5A H4-Ch9
16	Sc3-AV4A H3-Ch8	Sc3-AS4A H4-Ch8
22	Sc3-AV3A H3-Ch7	Sc3-AS3A H4-Ch7
28	Sc3-AV2A H3-Ch6	Sc3-AS2A H4-Ch6
5	Sc3-AV6B H3-Ch15	Sc3-AS6B H4-Ch15
11	Sc3-AV5B H3-Ch14	Sc3-AS5B H4-Ch14
17	Sc3-AV4B H3-Ch13	Sc3-AS4B H4-Ch13
23	Sc3-AV3B H3-Ch12	Sc3-AS3B H4-Ch12
29	Sc3-AV2B H3-Ch11	Sc3-AS2B H4-Ch11

Scolopendra ←———— ScN-AXXX —————→ Place
 HiDRA Chip ←———— HY-ChZ —————→ HiDRA Channel