

HCAL Connection Maps

Table 1. HCAL Channels Numbering Schema. (HCAL Rear View - from PMT Base)

N/N	1	2	3	4	5	6	7	8	9	10	11	12
1	A1-01	A1-02	A1-03	A1-04	A1-05	A1-06	A1-07	A1-08	A1-09	A1-10	A1-11	A1-12
2	A2-02	A2-02	A2-03	A2-04	A2-05	A2-06	A2-07	A2-08	A2-09	A2-10	A2-11	A2-12
3	A3-03	A3-02	A3-03	A3-04	A3-05	A3-06	A3-07	A3-08	A3-09	A3-10	A3-11	A3-12
4	A4-04	A4-02	A4-03	A4-04	A4-05	A4-06	A4-07	A4-08	A4-09	A4-10	A4-11	A4-12
5	A5-05	A5-02	A5-03	A5-04	A5-05	A5-06	A5-07	A5-08	A5-09	A5-10	A5-11	A5-12
6	A6-06	A6-02	A6-03	A6-04	A6-05	A6-06	A6-07	A6-08	A6-09	A6-10	A6-11	A6-12
7	B1-01	B1-02	B1-03	B1-04	B1-05	B1-06	B1-07	B1-08	B1-09	B1-10	B1-11	B1-12
8	B2-01	B2-02	B2-03	B2-04	B2-05	B2-06	B2-07	B2-08	B2-09	B2-10	B2-11	B2-12
9	B3-01	B3-02	B3-03	B3-04	B3-05	B3-06	B3-07	B3-08	B3-09	B3-10	B3-11	B3-12
10	B4-01	B4-02	B4-03	B4-04	B4-05	B4-06	B4-07	B4-08	B4-09	B4-10	B4-11	B4-12
11	B5-01	B5-02	B5-03	B5-04	B5-05	B5-06	B5-07	B5-08	B5-09	B5-10	B5-11	B5-12
12	B6-01	B6-02	B6-03	B6-04	B6-05	B6-06	B6-07	B6-08	B6-09	B6-10	B6-11	B6-12
13	C1-01	C1-02	C1-03	C1-04	C1-05	C1-06	C1-07	C1-08	C1-09	C1-10	C1-11	C1-12
14	C2-01	C2-02	C2-03	C2-04	C2-05	C2-06	C2-07	C2-08	C2-09	C2-10	C2-11	C2-12
15	C3-01	C3-02	C3-03	C3-04	C3-05	C3-06	C3-07	C3-08	C3-09	C3-10	C3-11	C3-12
16	C4-01	C4-02	C4-03	C4-04	C4-05	C4-06	C4-07	C4-08	C4-09	C4-10	C4-11	C4-12
17	C5-01	C5-02	C5-03	C5-04	C5-05	C5-06	C5-07	C5-08	C5-09	C5-10	C5-11	C5-12
18	C6-01	C6-02	C6-03	C6-04	C6-05	C6-06	C6-07	C6-08	C6-09	C6-10	C6-11	C6-12
19	D1-01	D1-02	D1-03	D1-04	D1-05	D1-06	D1-07	D1-08	D1-09	D1-10	D1-11	D1-12
20	D2-01	D2-02	D2-03	D2-04	D2-05	D2-06	D2-07	D2-08	D2-09	D2-10	D2-11	D2-12
21	D3-01	D3-02	D3-03	D3-04	D3-05	D3-06	D3-07	D3-08	D3-09	D3-10	D3-11	D3-12
22	D4-01	D4-02	D4-03	D4-04	D4-05	D4-06	D4-07	D4-08	D4-09	D4-10	D4-11	D4-12
23	D5-01	D5-02	D5-03	D5-04	D5-05	D5-06	D5-07	D5-08	D5-09	D5-10	D5-11	D5-12
24	D6-01	D6-02	D6-03	D6-04	D6-05	D6-06	D6-07	D6-08	D6-09	D6-10	D6-11	D6-12

Table 2. HCAL Connection Schema. (PMTs side view. Number in cell shows the amplifier slot.channel number to which PMT connected)

<i>N/N</i>	<i>01</i>	<i>02</i>	<i>03</i>	<i>04</i>	<i>05</i>	<i>06</i>	<i>07</i>	<i>08</i>	<i>09</i>	<i>10</i>	<i>11</i>	<i>12</i>
<i>01</i>	01.01	01.05	01.09	01.02	01.06	01.10	01.03	01.07	01.11	01.04	01.08	01.12
<i>02</i>	01.13	02.01	02.05	01.14	02.02	02.06	01.15	02.03	02.07	01.16	02.04	02.08
<i>03</i>	02.09	02.13	03.01	02.10	02.14	03.02	02.11	02.15	03.03	02.12	02.16	03.04
<i>04</i>	03.05	03.09	03.13	03.06	03.10	03.14	03.07	03.11	03.15	03.08	03.12	03.16
<i>05</i>	05.01	05.05	05.09	05.02	05.06	05.10	05.03	05.07	05.11	05.04	05.08	05.12
<i>06</i>	05.13	06.01	06.05	05.14	06.02	06.06	05.15	06.03	06.07	05.16	06.04	06.08
<i>07</i>	06.09	06.13	08.01	06.10	06.14	08.02	06.11	06.15	08.03	06.12	06.16	08.04
<i>08</i>	08.05	08.09	08.13	08.06	08.10	08.14	08.07	08.11	08.15	08.08	08.12	08.16
<i>09</i>	09.01	09.05	09.09	09.02	09.06	09.10	09.03	09.07	09.11	09.04	09.08	09.12
<i>10</i>	09.13	11.01	11.05	09.14	11.02	11.06	09.15	11.03	11.07	09.16	11.04	11.08
<i>11</i>	11.09	11.13	12.01	11.10	11.14	12.02	11.11	11.15	12.03	11.12	11.16	12.04
<i>12</i>	12.05	12.09	12.13	12.06	12.10	12.14	12.07	12.11	12.15	12.08	12.12	12.16
<i>13</i>	01.01	01.05	01.09	01.02	01.06	01.10	01.03	01.07	01.11	01.04	01.08	01.12
<i>14</i>	01.13	02.01	02.05	01.14	02.02	02.06	01.15	02.03	02.07	01.16	02.04	02.08
<i>15</i>	02.09	02.13	03.01	02.10	02.14	03.02	02.11	02.15	03.03	02.12	02.16	03.04
<i>16</i>	03.05	03.09	03.13	03.06	03.10	03.14	03.07	03.11	03.15	03.08	03.12	03.16
<i>17</i>	05.01	05.05	05.09	05.02	05.06	05.10	05.03	05.07	05.11	05.04	05.08	05.12
<i>18</i>	05.13	06.01	06.05	05.14	06.02	06.06	05.15	06.03	06.07	05.16	06.04	06.08
<i>19</i>	06.09	06.13	08.01	06.10	06.14	08.02	06.11	06.15	08.03	06.12	06.16	08.04
<i>20</i>	08.05	08.09	08.13	08.06	08.10	08.14	08.07	08.11	08.15	08.08	08.12	08.16
<i>21</i>	09.01	09.05	09.09	09.02	09.06	09.10	09.03	09.07	09.11	09.04	09.08	09.12
<i>22</i>	09.13	11.01	11.05	09.14	11.02	11.06	09.15	11.03	11.07	09.16	11.04	11.08
<i>23</i>	11.09	11.13	12.01	11.10	11.14	12.02	11.11	11.15	12.03	11.12	11.16	12.04
<i>24</i>	12.05	12.09	12.13	12.06	12.10	12.14	12.07	12.11	12.15	12.08	12.12	12.16