THU2 Cosmic test with SDU PMT

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SDU PMT and SDU base
1050V  (total number of events: 550)
npe=680
1100V (total number of events: 50) Npe=622

The speed of data taking is very slow (2 events/hour) I will use one week to get 500 events
## Gain of PMT

<table>
<thead>
<tr>
<th>HV</th>
<th>THU PMT</th>
<th>SDU PMT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>hamamatsu</td>
<td>IHEP</td>
</tr>
<tr>
<td>900</td>
<td>1.3x10^6</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>3.1x10^6</td>
<td>2.2x10^6</td>
</tr>
<tr>
<td>1050</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1100</td>
<td>6.5x10^6</td>
<td>4.5x10^6</td>
</tr>
<tr>
<td>1200</td>
<td>13.3x10^6</td>
<td></td>
</tr>
<tr>
<td>1300</td>
<td>26.1x10^6</td>
<td></td>
</tr>
</tbody>
</table>
The SDU PMT is saturated at 1100V, we don't know whether it is also saturated at 1050V.
We need to get Gain of the SDU PMT under 1000V and 900V to compare with the results we have got.