It is a high count measurement system combining 1.5 inch LaBr₃(Ce) detector XL150 with short decay time and APV8101S equipped with pileup separate processor. Data acquisition software included.

- **Scintillator:** LaBr₃(Ce) φ1.5x1.5 inch etc.
- **ADC:** 1Gsps, Resolution 14-bit, 1CH
- **Input Signal Type:** Fast Scintillator, etc.
- **Output:** 2Mcps and more / CH
- **Analysis mode:** Histogram, List
- **Function:** Real time Pileup Separator
- **Interface:** TCP/IP, Gigabit Ethernet

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### Detector: LaBr₃ (Ce) Scintillator

- **1st separated wave**
- **Raw wave**
- **2nd separated wave** (pileup signal)

**Netcps110% UP 662keV@₁³⁷Cs**

<table>
<thead>
<tr>
<th>OCT(cnt)</th>
<th>OCR(cps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>52.86M</td>
<td>880.83k</td>
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</tbody>
</table>

- FWHM: 3.8%
- The Pileup Separated Spectrum's 662 KeV energy resolution is about 900 kcps, 3.8%
- Normal Spectrum's pileup high energy side decreased.