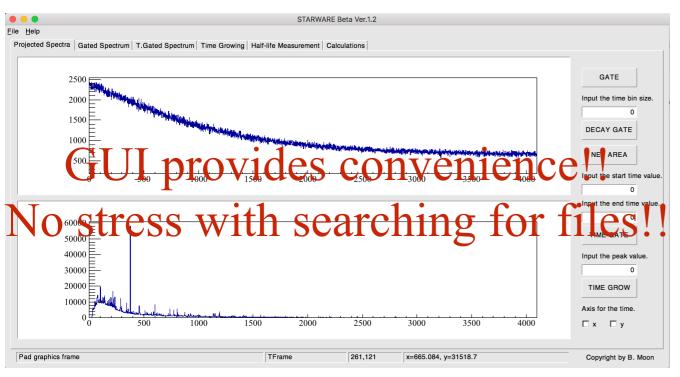
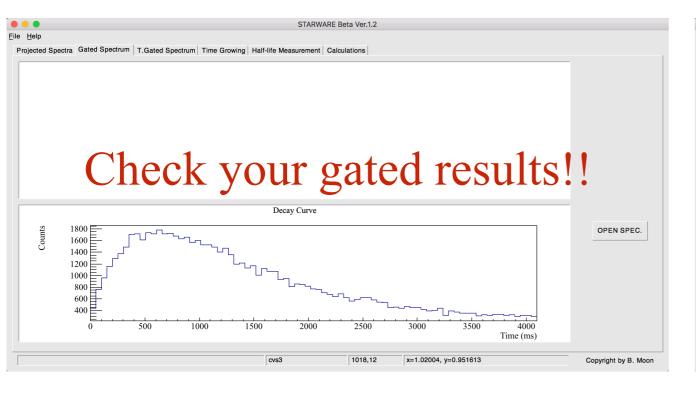
STARWARE Advertisement

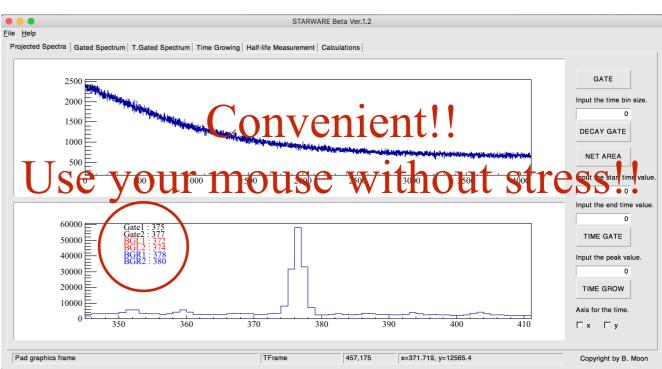
22nd. Mar. 2017 Byul Moon

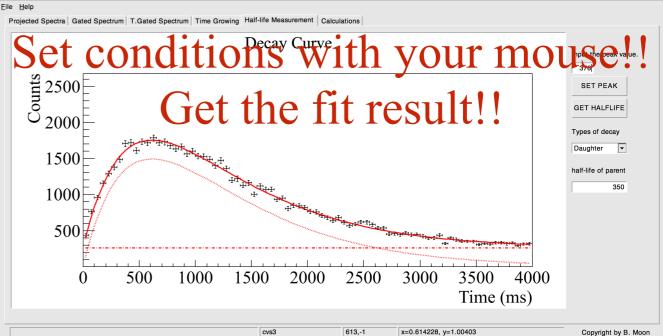
- SpecTroscopy Analysis for γ -Ray softWARE (STARWARE) : GUI program.
- Contains useful functions for γ -ray spectroscopy.
- Main functions : γ - γ coincidence, half-life measurement, net area calculation, log*ft* calculation, etc.
- Run with customized shared-library based on ROOT.
- Available on any platform(MacOS, Linux, Window 10) by using CMAKE.
- Since Jan. 2016.

STARWARE Beta Ver.1.2	
<u>F</u> ile <u>H</u> elp	
Projected Spectra Gated Spectrum T.Gated Spectrum Time Growing Half-life Measurement Calculations	
Open Look in: © cmake © MakeFiles © source MAT files!! (coincidence matrix file format) File name: Piles of type: Matrix File (*.mat)	GATE Input the time bin size.

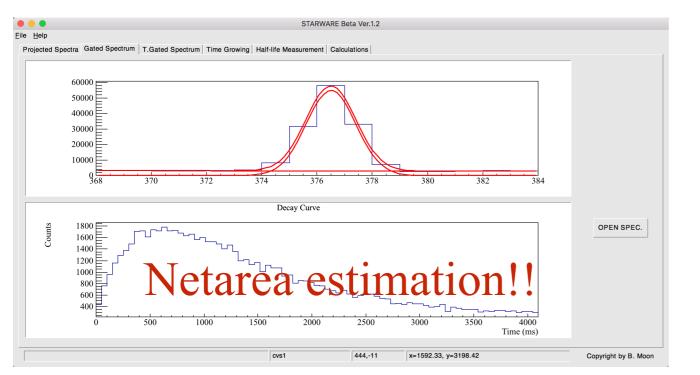


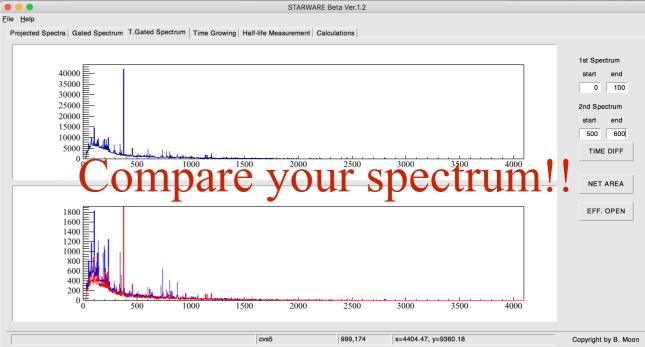






STARWARE Beta Ver.1.2







			STARW	ARE Beta Ver.1.2			
<u>F</u> ile <u>H</u> elp							
Projected Spectra Ga	ated Spectrum T.Gate	ed Spectrum Time C	Growing Half-life Measurement	Calculations			
LOGF	T Calculation						
Parent	t Information			Daughter Information			
Z	Γ	0		Level Energy (keV)	0		
Halflife	e	0		Intensity (0 to 1)	0		
Units	Γ	•		Get LOGFT			
Q-valu	ue (MeV)	0					
Level I	Energy (keV)	0		Get B(GT)			
Reduc	ced Matrix Element Ca	alculation					
Multipo	ole	▼		Energy (keV)	0	Calculate	
Half-lif	fe	0		Units	•		

Useful calculations are available!!

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Future Plan

- Additional functions.
- Make the distributable version. (First version : alpha 1. 0. with no GUI system, Current version : beta 1. 2.)
- FADC500 → DAQ / Online monitoring system : GUI (IF TIME ALLOWS.)