

Fe-55 Data Analysis progress

- ❑ Analyzing run #899
- ❑ Identified all events where there is a 'jump' between strips of >500
 - ❑ Can change this to be more accurate, but this seems to be working for now
- ❑ Tao improved the function used to fit the histograms
 - ❑ Old function: $f(x) = V_0((t-t_s)/\tau)e^{((t-t_s)/\tau)}$
 - ❑ New function: old function becomes piecewise, where $f(x) = 0$ where $t < t_s$, otherwise $f(x)$ is the old function, but the exponent of e is negated (to keep the original sign).
- ❑ Got a script working which fits all of the selected events, next step is to create a root tree with the information from the fit, also to get weighted positions of each pulse. The idea is to recreate Tao's plots with relationship between x and y charge distributions.

Example fit

