The diagram shows the reconstructed energy distribution of 208Tl γ-rays with two main peaks at approximately 2615 keV and 2507 keV. The data is compared to the projected fit, which is overlaid as a blue line. The residuals of the data from the fit are shown at the top of the graph, indicating the goodness of fit. Additionally, the Te X-ray escapes are plotted as a dotted line, showing the escaping photons from the decay process.