

Mossbauer Experiment

1. Read background material in Melissinos and in folder.
2. Turn on high voltage.
3. Check that SCA window is on 14 keV line.
4. Turn on drive and adjust motor so that sawtooth is a straight line. (Note that analyzer must be in “acquire” mode).
5. Run enriched ^{57}Fe sample long enough to get good 6 line pattern – about $\frac{1}{2}$ hour. Dump the data.
6. Run the other samples in the rack. These will take much longer.
7. Analyze the enriched ^{57}Fe spectrum. Do this right after starting 6.
8. Analyze the other spectra as they come in.