Analysis plan for P85 data, at 2 wt %

Plot all of the data sets on one graph
- note the change in scattering, especially at low q
- pretty much all the same at high q
- anything wrong?

10 C
- Fit to Rg - eye range, 0.01->0.04 OK
- Plot Debye, append, change values (scale, Rg)
- Fit w/ Debye
- Fit w/ Debye w/cursors
- Fit w/ sphere
- What does scale mean? - see help file, vitals.

50 C
- Definitely different shape.
- Fit to Rg, eye range 0.01->0.03 OK
- Fit to Debye (terrible)
- Fit to sphere
- Fit to PolyCore model (why not PolySpheres?) + help file

80 C
- Yet another shape
- Try to fit to Rg - no good range, no linear region
- Fit to PolyCore (no good at low Q)
- Low Q slope is a clue
- Fit to Cylinder
- Fit to PolyCoreShellCylinder + help file

95 C
- Yet another shape of aggregate
- Peak at mid-Q, 2Pi/Q = D (only one peak)
- Lamellar from phase diagram, polarized light signature
- Fit to LamellarPS model (maybe LamellarPS_HG)
- Help file! very specific restrictions, and fitting problems

(Wrap up?)

More if time

- I(q=0) plot for CMT - simple graph, pick a low enough q-value. What does the graph mean, and why didn't we pick an intensity point at high q?
- Use summed models in "intermediate" temperatures
- Calculate Invariant - be sure to subtract the background first. How do you expect the invariant to behave?