Germanium Vacancy Diamond Zero Phonon Line Temperature Response

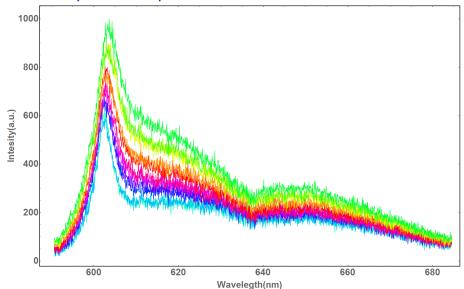
Joe Becker

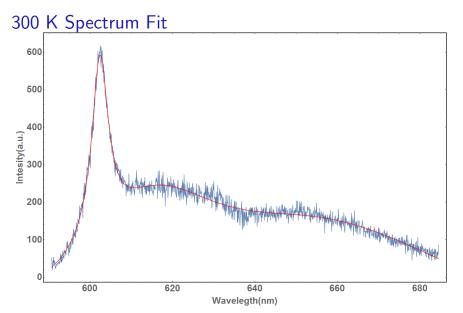
Texas A&M Department of Physics and Astronomy jbecker@physics.tamu.edu

January 26, 2017



GeV Temperature Spectra

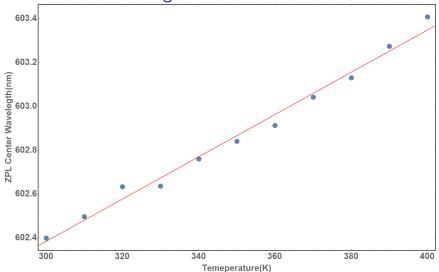




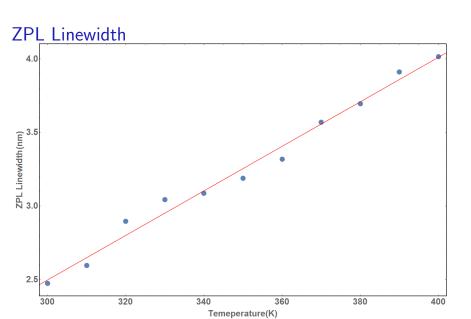
Fit using 3 Lorentzian functions with an error function filter

J. Becker (Texas A&M) Group Meeting January 26, 2017

ZPL Center Wavelength



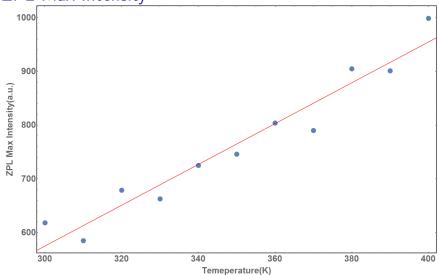
Fit: y(x) = 599.488 + 0.00965032x



Fit: y(x) = -2.04259 + 0.0151333x

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ZPL Max Intensity



Fit: y(x) = -565 + 3.8x