

small project

- get (simulated) data $[x_i, y_i, \sigma_i]$ from here:
http://mpej.unige.ch/~kunz/poly_chipp.dat.gz
- model: $y(x) = a_0 + a_1x + a_2x^2$
- y_i are Gaussian around $y(x_i)$ with error σ_i
- write a little MCMC program to find parameters and correlations
- check by computing (semi-analytically) $d\chi^2/da_i = 0$
- (if motivated, can try to do it for SN-Ia data, but that needs an integration for $y(x)$ – talk to me for that project.)