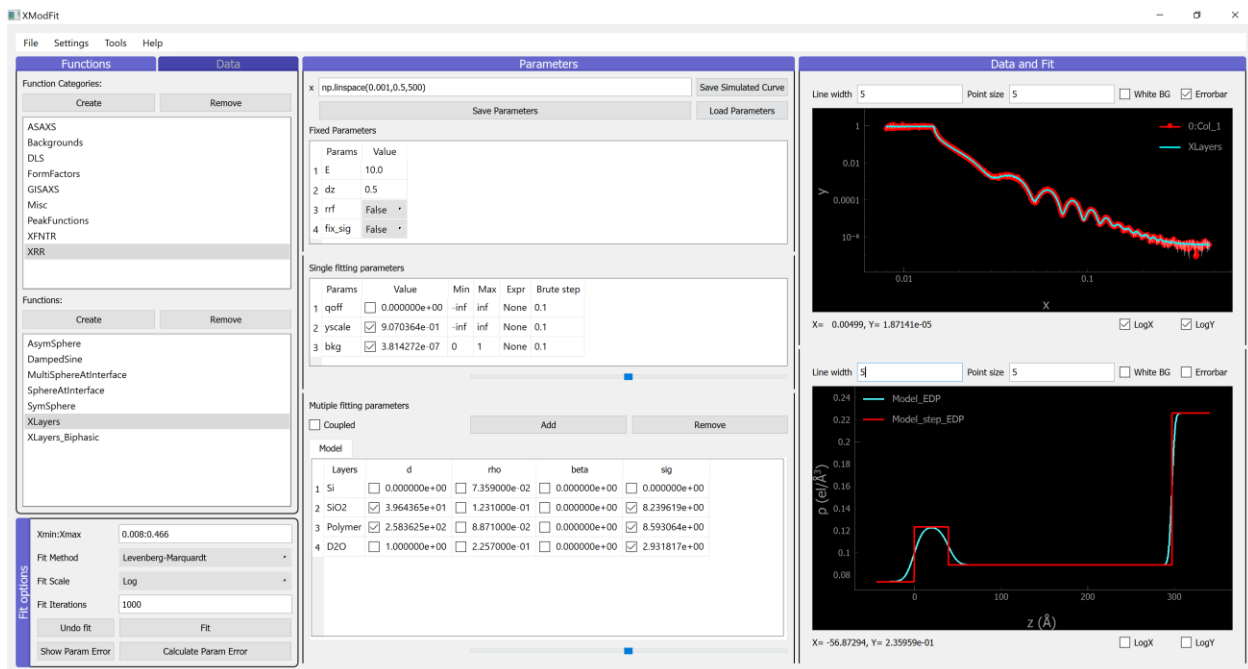


XModFit Neutron Data Fitting

XModFit Window



Parameters after fitting

[[Fit Statistics]]

```
# fitting method = leastsq
# function evals = 9
# data points = 408
# variables = 7
chi-square = 249.344592
reduced chi-square = 0.62180696
Akaike info crit = -186.911983
Bayesian info crit = -158.833112
```

[[Variables]]

```
qoff:      0 (fixed)
yscale:    0.90703643 +/- 0.00439622 (0.48%) (init = 0.9070364)
bkg:       3.8143e-07 +/- 3.7956e-08 (9.95%) (init = 3.814267e-07)
__Model_d_000:  0 (fixed)
__Model_d_001:  39.6436473 +/- 0.61718521 (1.56%) (init = 39.64366)
__Model_rho_000: 0.07359 (fixed)
__Model_rho_001: 0.1231 (fixed)
__Model_beta_000: 0 (fixed)
__Model_beta_001: 0 (fixed)
__Model_sig_000: 0 (fixed)
__Model_sig_001: 8.23961908 +/- 0.35395686 (4.30%) (init = 8.239675)
```

__Model_d_002: 258.362545 +/- 0.42498655 (0.16%) (init = 258.3625)
 __Model_d_003: 1 (fixed)
 __Model_rho_002: 0.08871 (fixed)
 __Model_rho_003: 0.2257 (fixed)
 __Model_beta_002: 0 (fixed)
 __Model_beta_003: 0 (fixed)
 __Model_sig_002: 8.59306399 +/- 0.49441969 (5.75%) (init = 8.593016)
 __Model_sig_003: 2.93181749 +/- 0.20059020 (6.84%) (init = 2.931807)

[[Correlations]] (unreported correlations are < 0.100)

C(__Model_d_001, __Model_d_002) = -0.912
 C(bkg, __Model_sig_003) = 0.666
 C(yscale, __Model_sig_003) = 0.398
 C(yscale, __Model_d_001) = -0.317
 C(yscale, __Model_d_002) = 0.298
 C(__Model_sig_001, __Model_d_002) = 0.233
 C(__Model_d_001, __Model_sig_001) = -0.202
 C(yscale, __Model_sig_001) = 0.190
 C(__Model_d_001, __Model_sig_003) = -0.190
 C(yscale, bkg) = 0.185
 C(__Model_d_001, __Model_sig_002) = -0.182
 C(__Model_d_002, __Model_sig_003) = 0.164
 C(__Model_sig_001, __Model_sig_003) = -0.150
 C(yscale, __Model_sig_002) = 0.149
 C(__Model_d_002, __Model_sig_002) = 0.107

Confidence Intervals on fitting parameters using MCMC

Acceptance Fraction (min: mean: max): 0.385 : 0.447 : 0.495

Parameters	Value(50%)	Left-error(5%)	Right-error(95%)
yscale	0.907091	-0.00965831	0.00950487
bkg	3.83803e-07	-7.09501e-08	8.05596e-08
__Model_d_001	39.6443	-1.30747	1.18973
__Model_sig_001	8.23102	-0.775802	0.718823
__Model_d_002	258.375	-0.899158	0.910343
__Model_sig_002	8.61055	-0.950402	1.03529
__Model_sig_003	2.92957	-0.411782	0.395478
__Insigma	-2.46153	-3.88402	2.62187