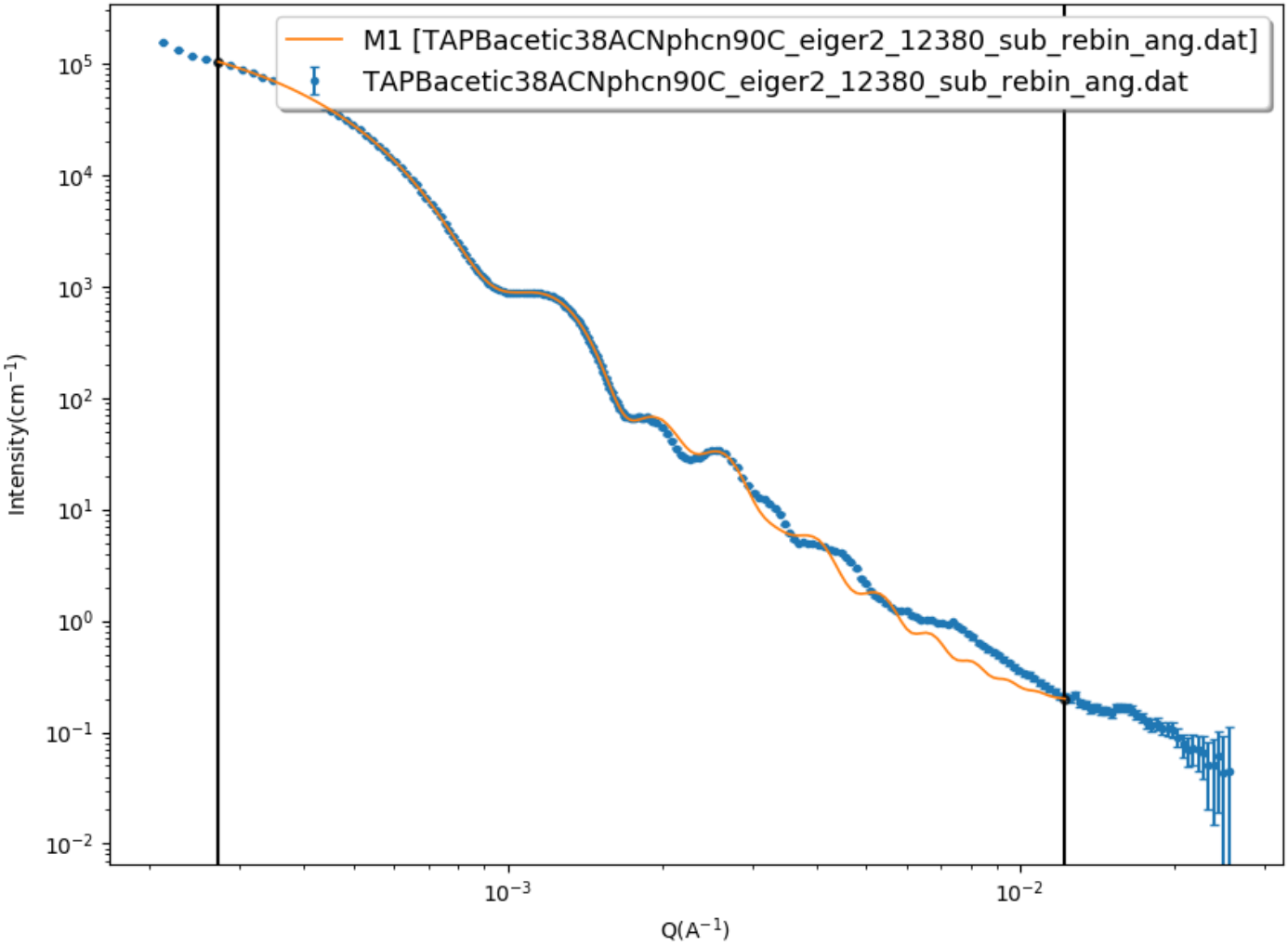
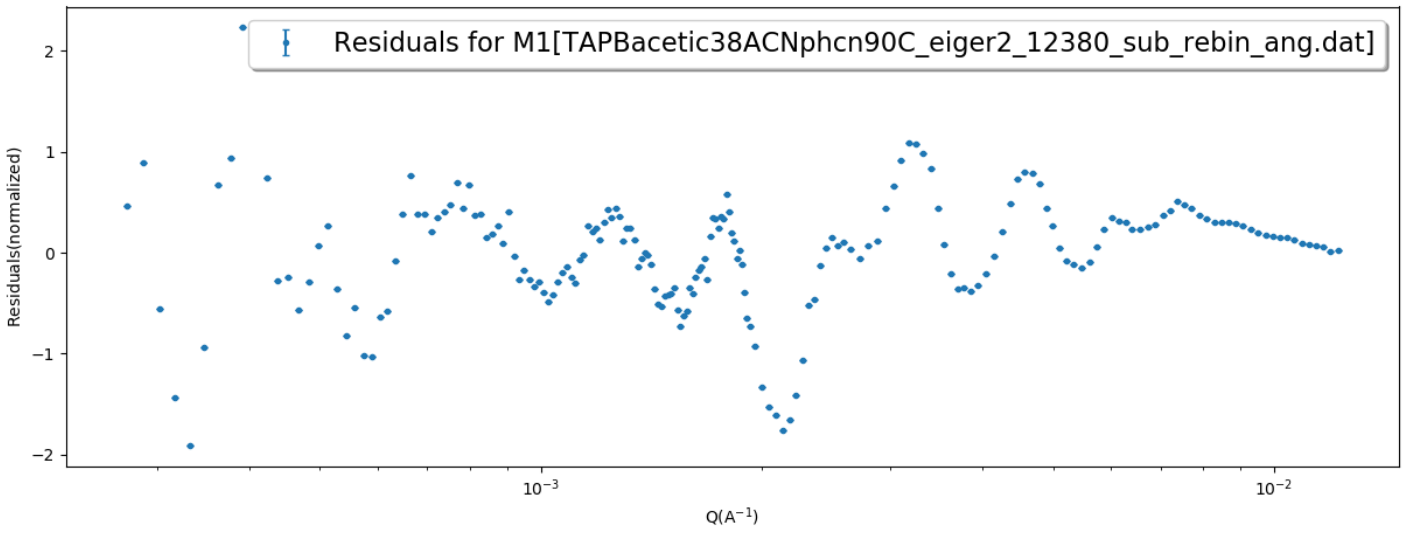
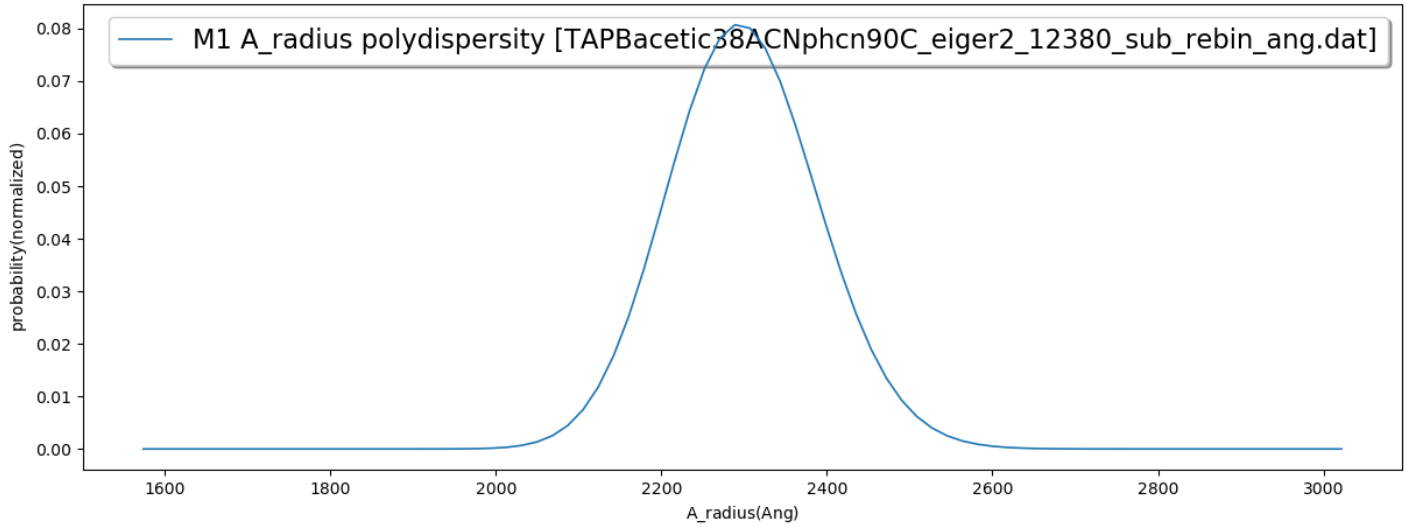
File name: TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat
SasView version: 5.0.6
SasModels version: 1.0.7
Fit optimizer used: Levenberg-Marquardt
Model name: fractal+fuzzy_sphere+core_shell_sphere
Q Range: min = 0.000212067761, max = 0.025557500100000005
Chi2/Npts: 0.3686
scale = 0.00017113 ± 2636
background = 0.15 (fixed) cm^{-1}
fractal_fuzzysphere_coreshellsphere = (fixed)
A_scale = 1.9451 ± 9.9961e+07
A_volfraction = 0.054039 ± 3.6428e+06
A_radius = 2297.9 ± 21.693 Å
A_fractal_dim = 6 ± 1e+08
A_cor_length = 0 (fixed) Å
A_sld_block = 13.795 ± 9.9976e+07 $10^{-6}/Å^2$
A_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_scale = 0.049016 ± 2.2474e+06
B_sld = 13.53 ± 9.9978e+07 $10^{-6}/Å^2$
B_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_radius = 11762 ± 5615.9 Å
B_fuzziness = 0.00020324 ± 3.4489e+06 Å
C_scale = 6.4914 ± 9.9994e+07
C_radius = 4591.1 ± 16.765 Å
C_thickness = 2454.7 ± 266.54 Å
C_sld_core = 12.044 ± 1989.8 $10^{-6}/Å^2$
C_sld_shell = 9.2492 ± 221.15 $10^{-6}/Å^2$
C_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
Distribution of A_radius = 0.039382 ± 0.033101 Function: lognormal
Distribution of B_radius = 0.65031 ± 0.5119 Function: lognormal
Distribution of B_fuzziness = 1.2492e-05 ± 2375.6 Function: lognormal
Distribution of C_radius = 0.072085 ± 0.005799 Function: lognormal
Distribution of C_thickness = 0.59641 ± 0.08486 Function: lognormal

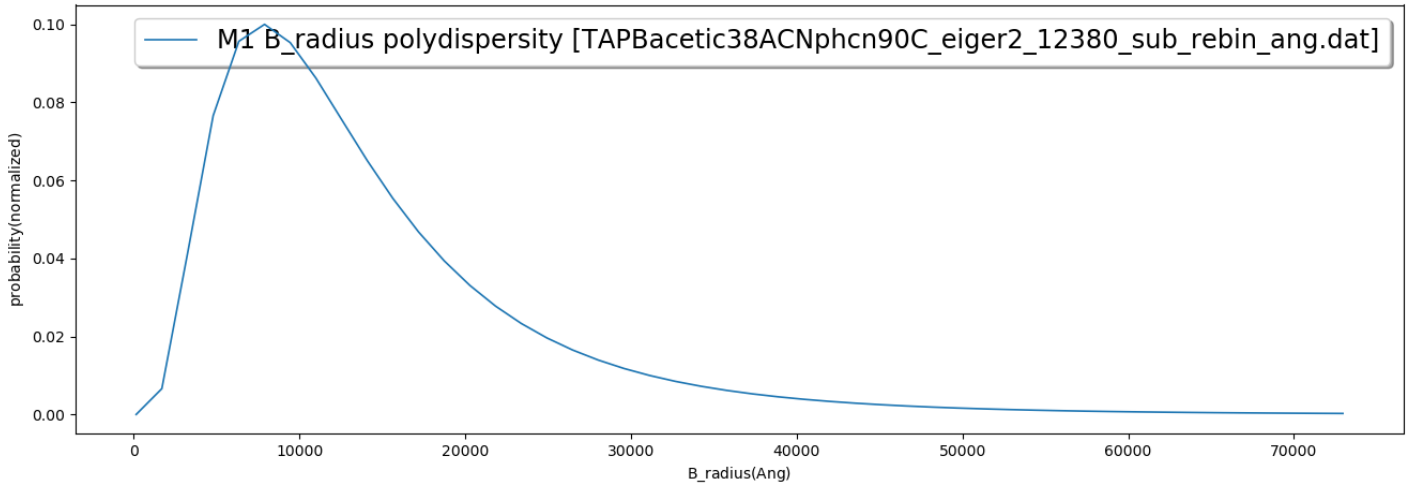
Graph

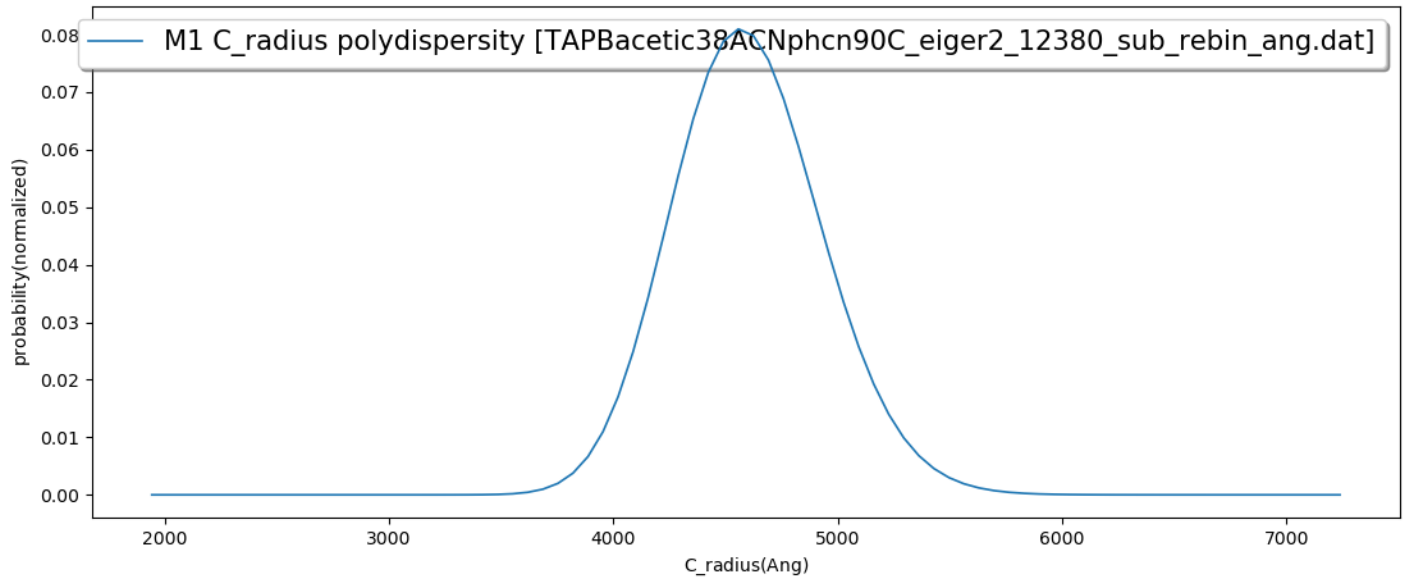
Model Computation
Data: "TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat"

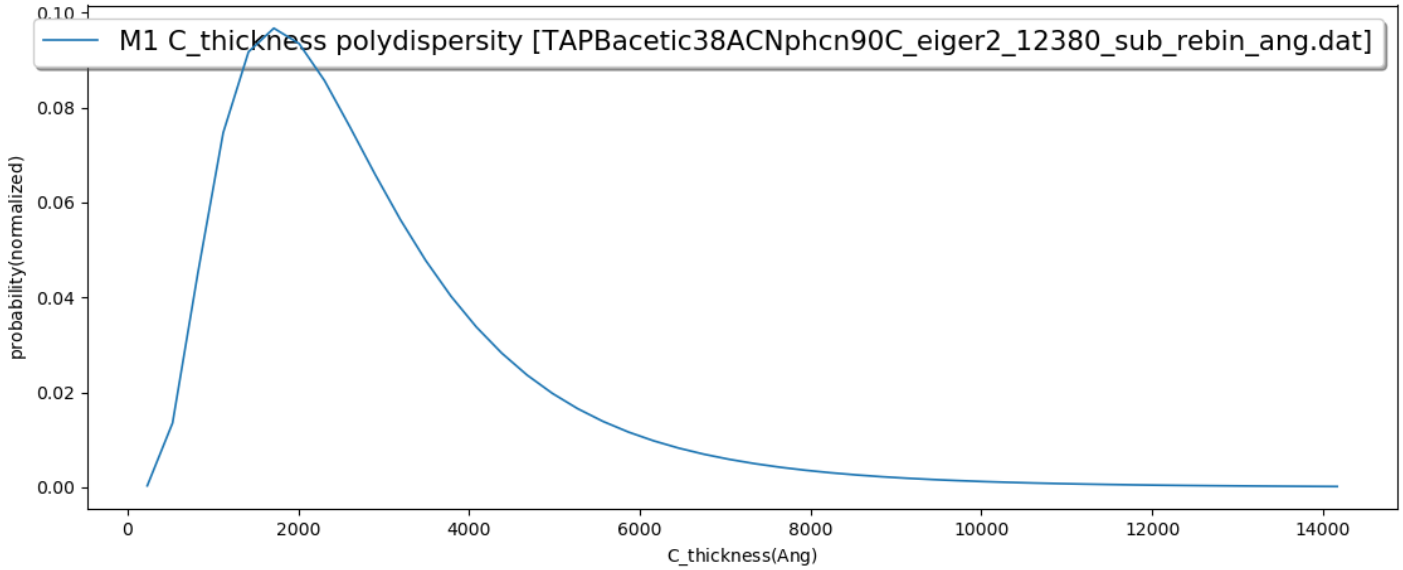

M1 [TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat
Intensity(cm^{-1})
Q(A^{-1})

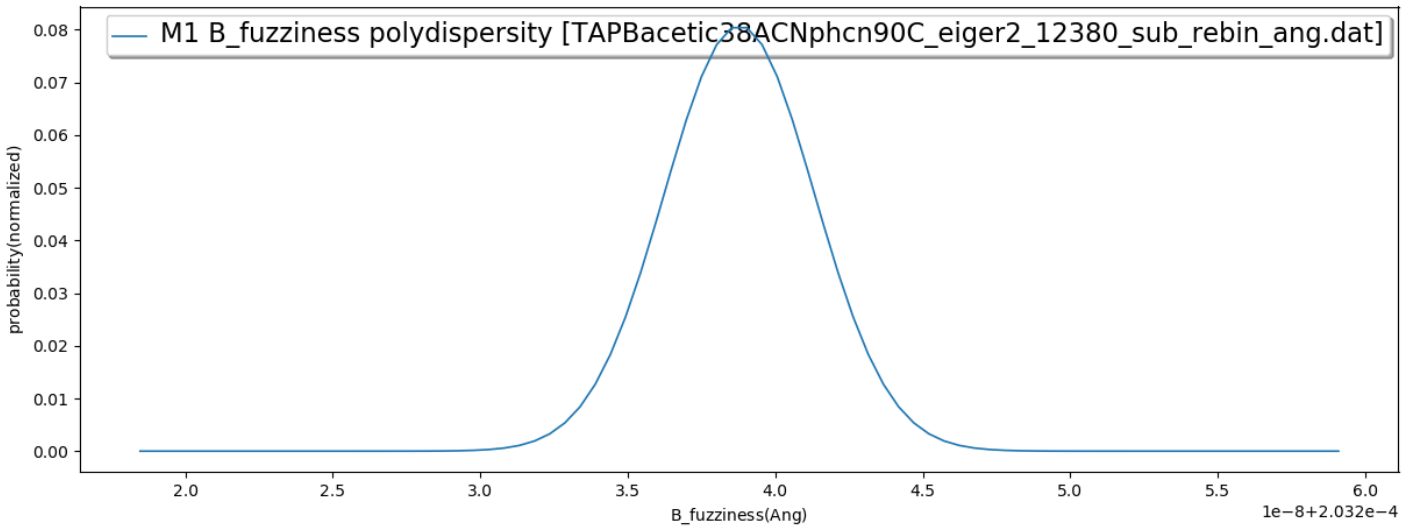

Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
Residuals(normalized)
Q(A^{-1})


M1 A_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
probability(normalized)
A_radius(Ang)


M1 B_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
probability(normalized)
B_radius(Ang)


M1 C_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
probability(normalized)
C_radius(Ang)


M1 C_thickness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
probability(normalized)
0.10
0.08
0.06
0.04
0.02
0.00
0
2000
4000
6000
8000
10000
12000
14000
C_thickness(Ang)


M1 B_fuzziness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12380_sub_rebin_ang.dat]
probability(normalized)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
B_fuzziness(Ang)
1e−8+2.032e−4