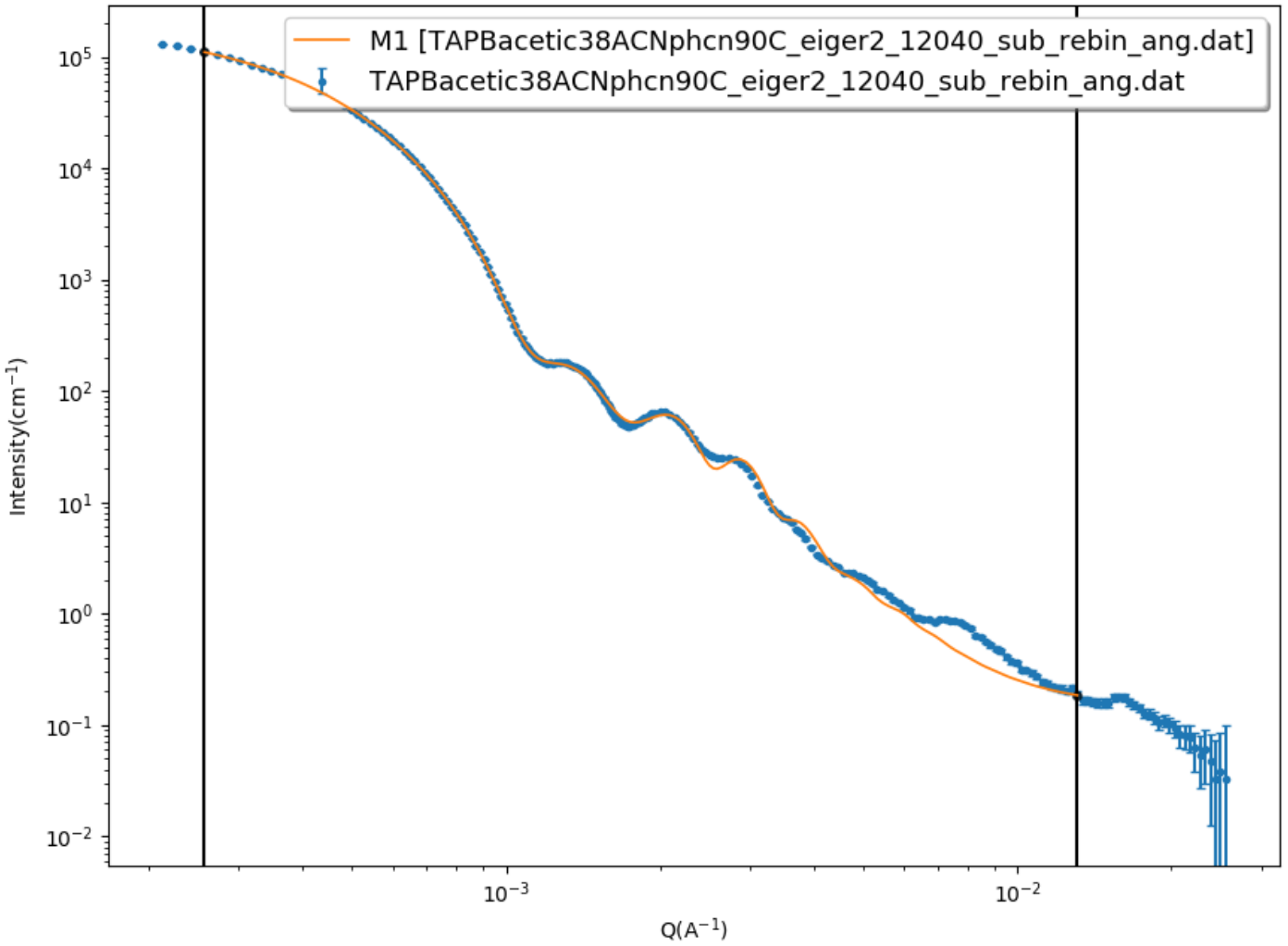
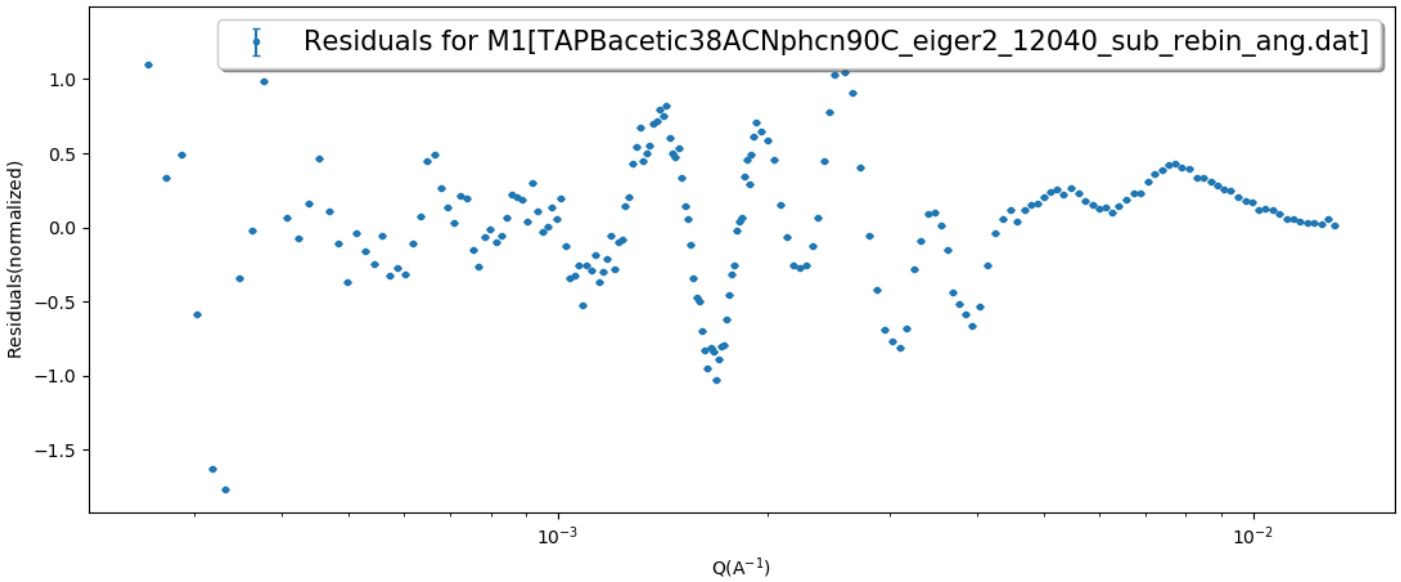
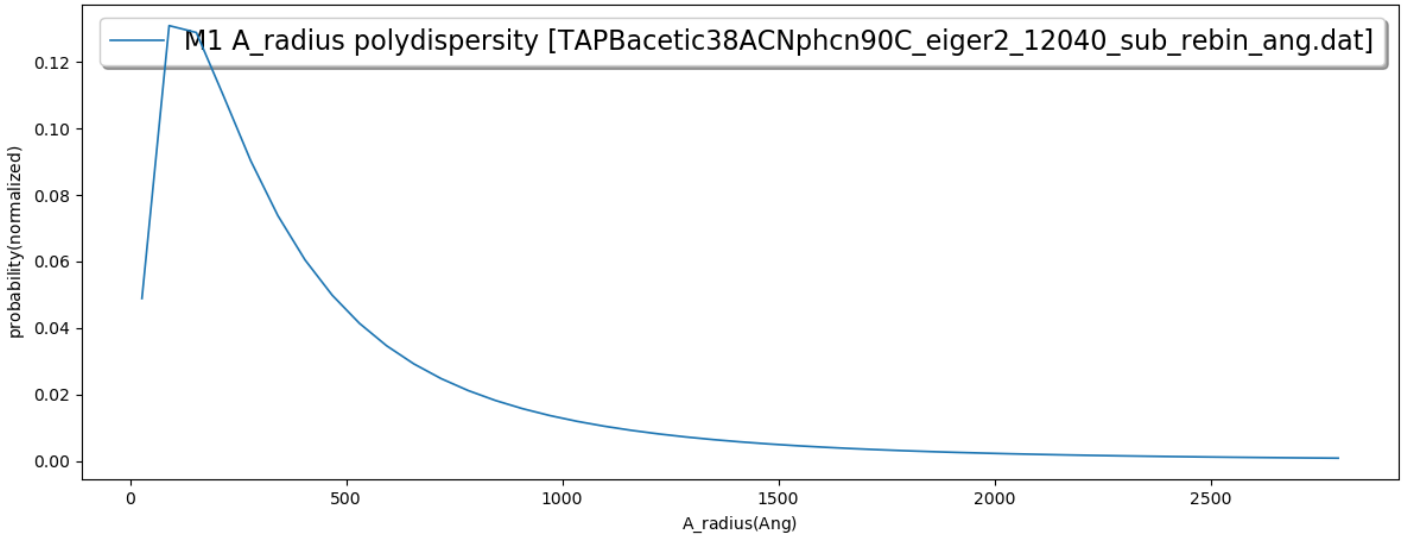
File name: TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat
SasView version: 5.0.6
SasModels version: 1.0.7
Fit optimizer used: Levenberg-Marquardt
Model name: fractal+fuzzy_sphere+core_shell_sphere
Q Range: min = 0.000212067761, max = 0.025557500100000005
Chi2/Npts: 0.23792
scale = 0.00011232 ± 3260
background = 0.15 (fixed) cm^{-1}
fractal_fuzzysphere_coreshellsphere = (fixed)
A_scale = 1.5288 ± 9.9961e+07
A_volfraction = 0.042467 ± 3.3869e+06
A_radius = 310.62 ± 276.13 Å
A_fractal_dim = 6 ± 1e+08
A_cor_length = 0 ± 1e+08 Å
A_sld_block = 14.565 ± 9.9989e+07 $10^{-6}/Å^2$
A_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_scale = 0.25032 ± 1.1883e+07
B_sld = 14.173 ± 9.9555e+07 $10^{-6}/Å^2$
B_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_radius = 6790.6 ± 145.62 Å
B_fuzziness = 2439 ± 1230.2 Å
C_scale = 3.436 ± 9.973e+07
C_radius = 3137 ± 47.494 Å
C_thickness = 2016.4 ± 82.303 Å
C_sld_core = 13.289 ± 215.08 $10^{-6}/Å^2$
C_sld_shell = 10.359 ± 71.495 $10^{-6}/Å^2$
C_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
Distribution of A_radius = 1 ± 0.64223 Function: lognormal
Distribution of B_radius = 0 ± 122.38 Function: lognormal
Distribution of B_fuzziness = 1 ± 0.91842 Function: lognormal
Distribution of C_radius = 0.061456 ± 0.011926 Function: lognormal
Distribution of C_thickness = 0.21753 ± 0.025695 Function: lognormal

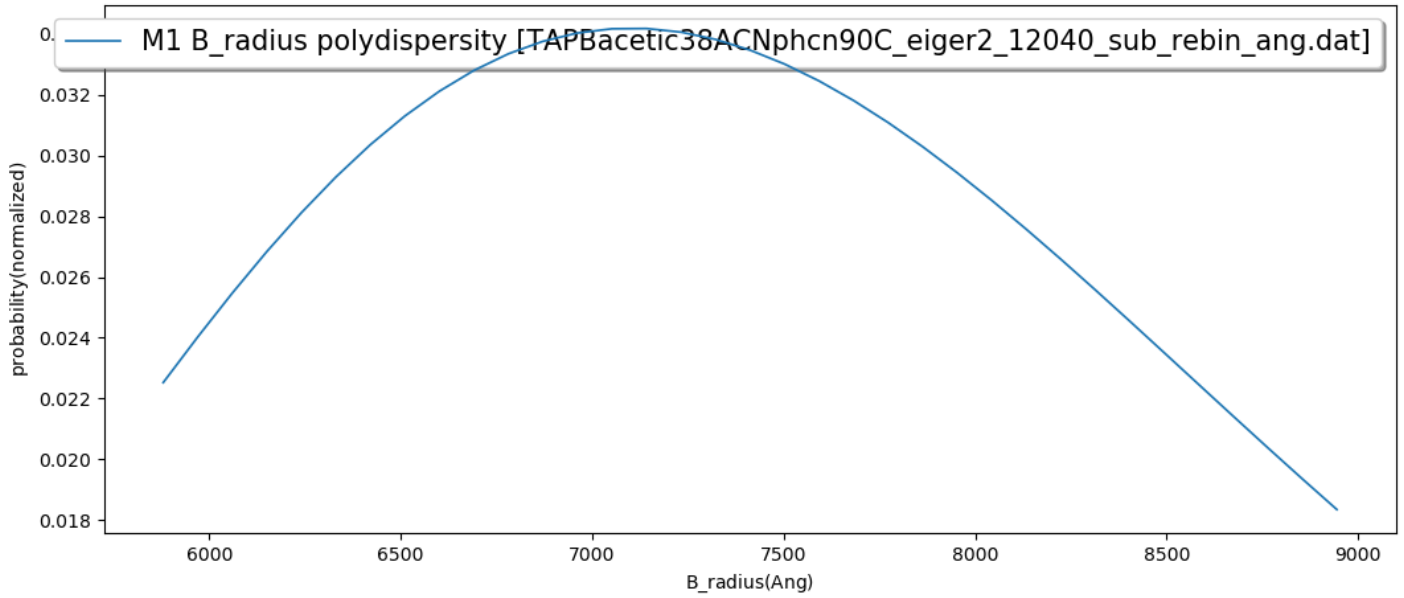
Graph

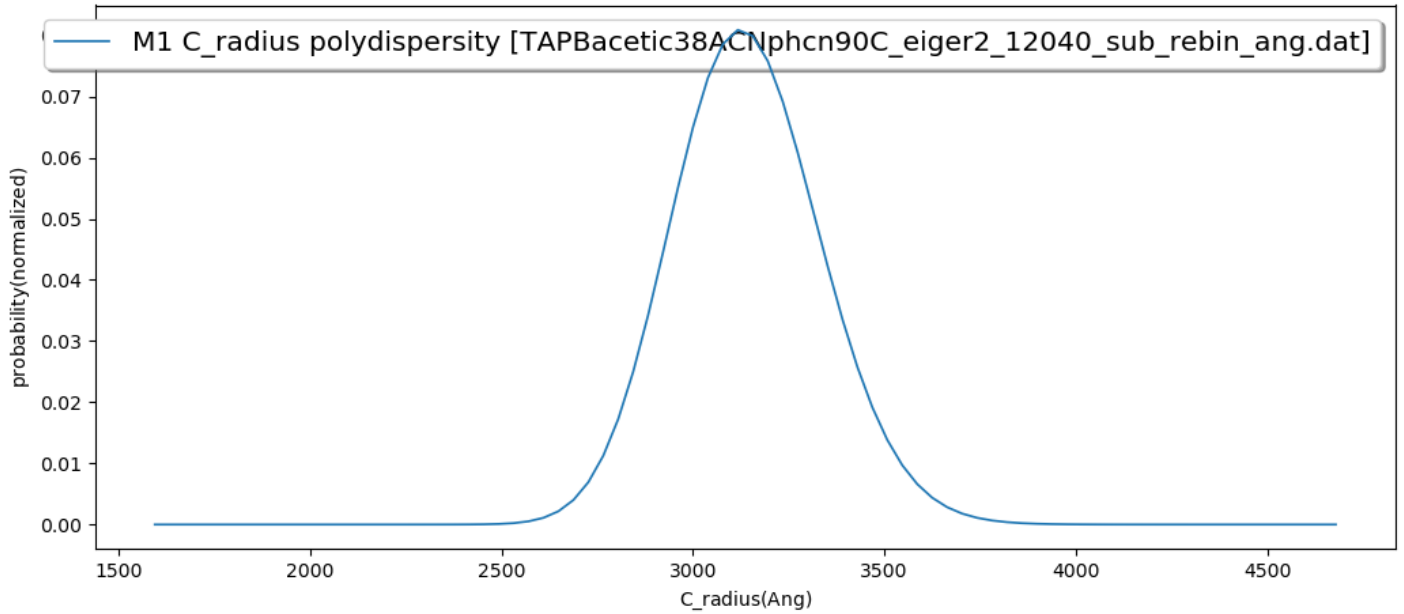
Model Computation
Data: "TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat"

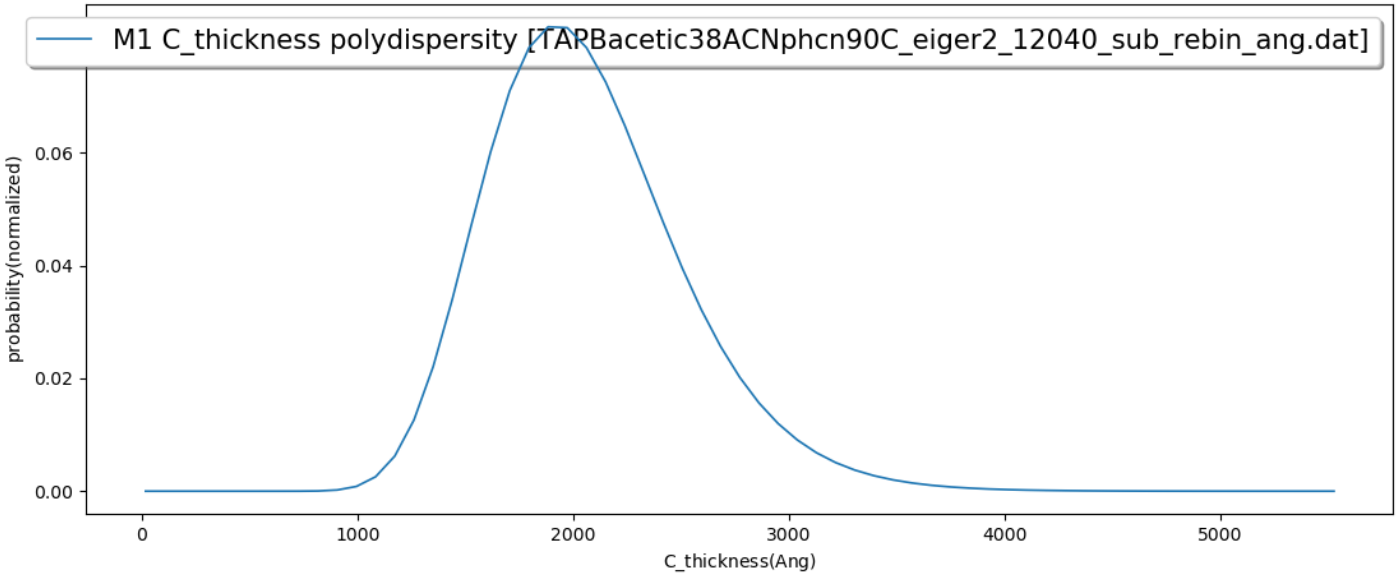

M1 [TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat
Intensity(cm^{-1})
Q(A^{-1})

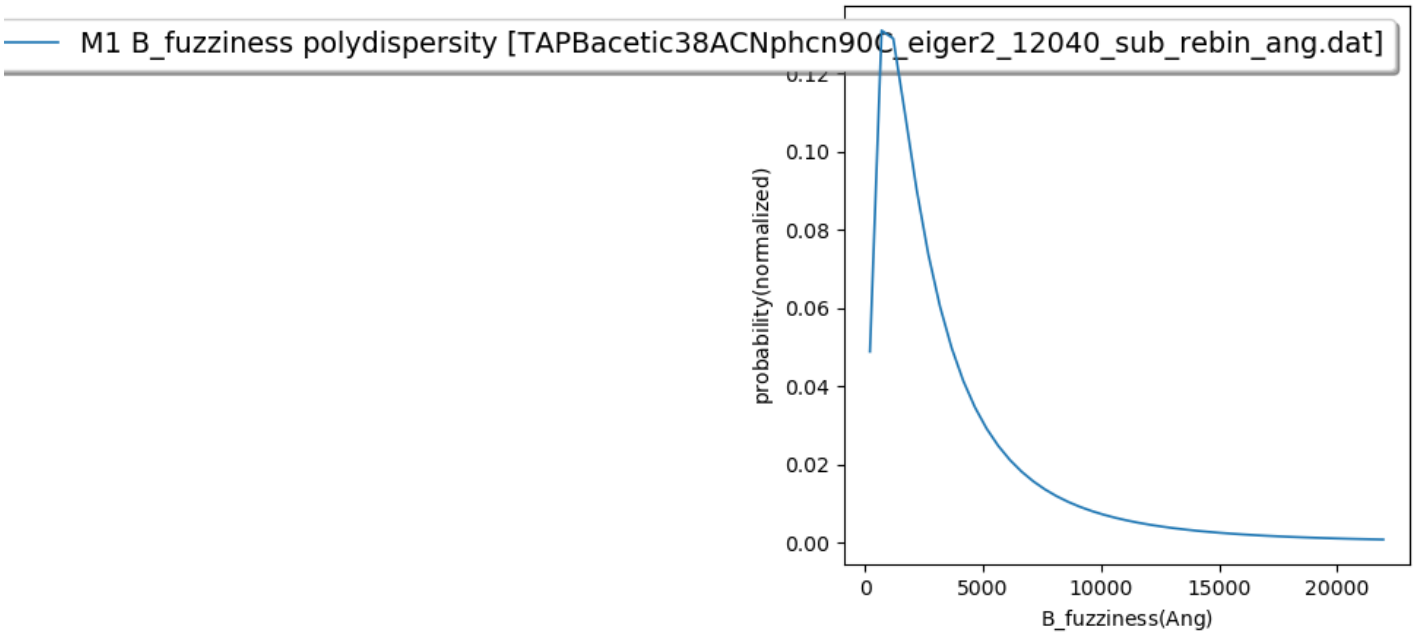

Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
Residuals(normalized)
Q(A^{-1})


M1 A_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
probability(normalized)
A_radius(Ang)
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0
500
1000
1500
2000
2500


M1 B_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
probability(normalized)
B_radius(Ang)
0.018
0.020
0.022
0.024
0.026
0.028
0.030
0.032
6000
6500
7000
7500
8000
8500
9000


M1 C_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
probability(normalized)
C_radius(Ang)
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
1500
2000
2500
3000
3500
4000
4500


M1 C_thickness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
probability(normalized)
0.00
0.02
0.04
0.06
0
1000
2000
3000
4000
5000
C_thickness(Ang)


M1 B_fuzziness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12040_sub_rebin_ang.dat]
probability(normalized)
0.00
0.02
0.04
0.06
0.08
0.10
0
5000
10000
15000
20000
B_fuzziness(Ang)