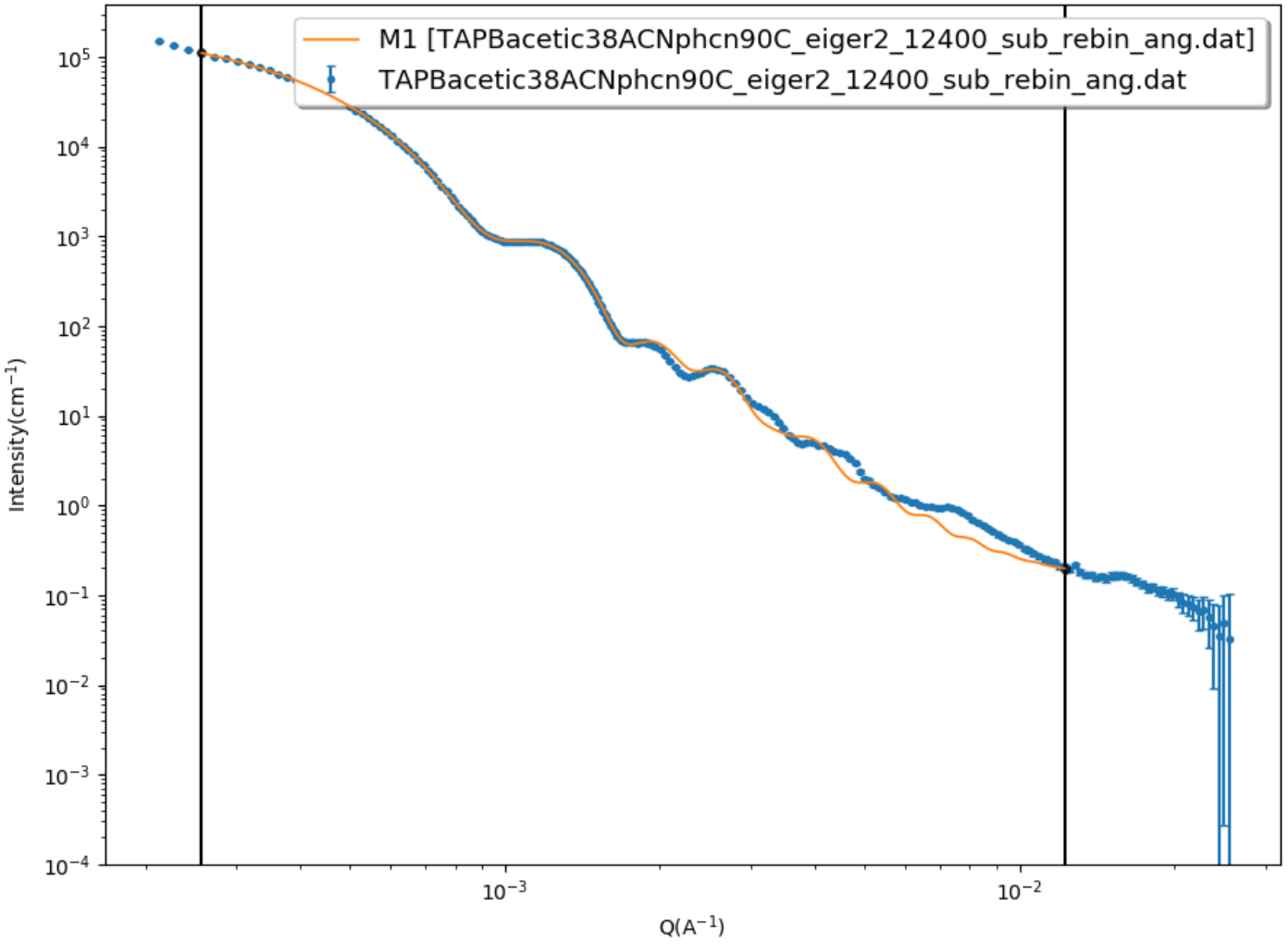
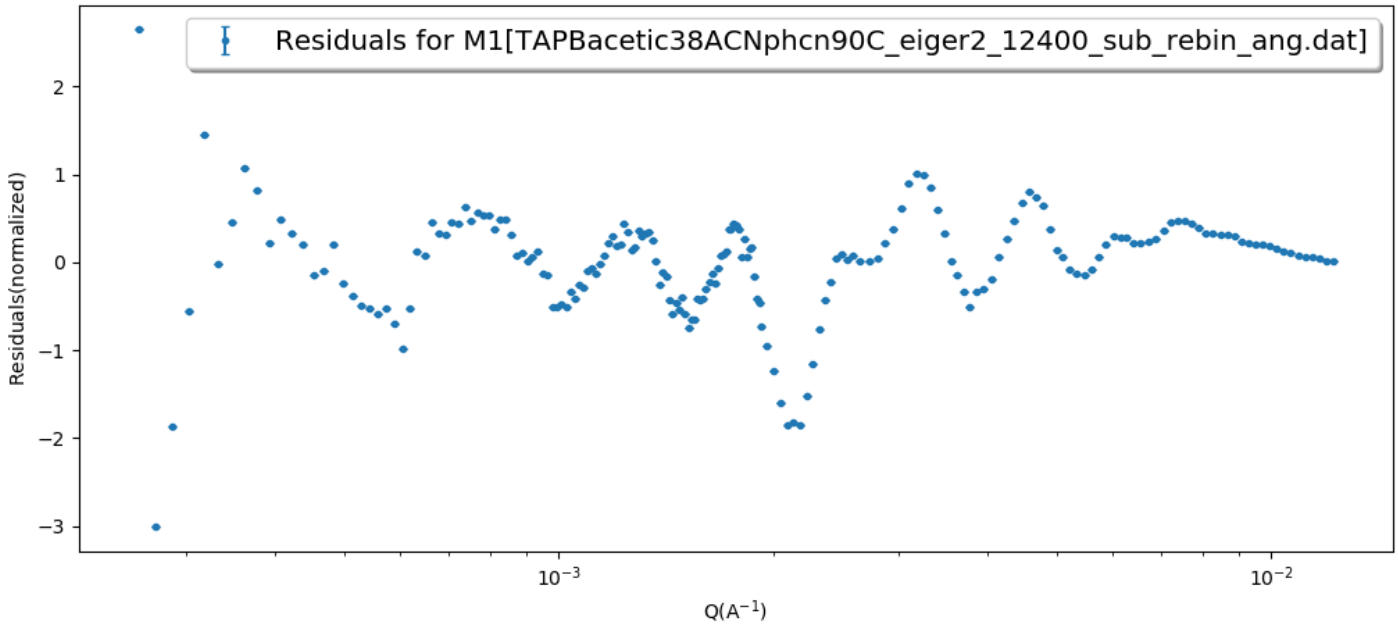
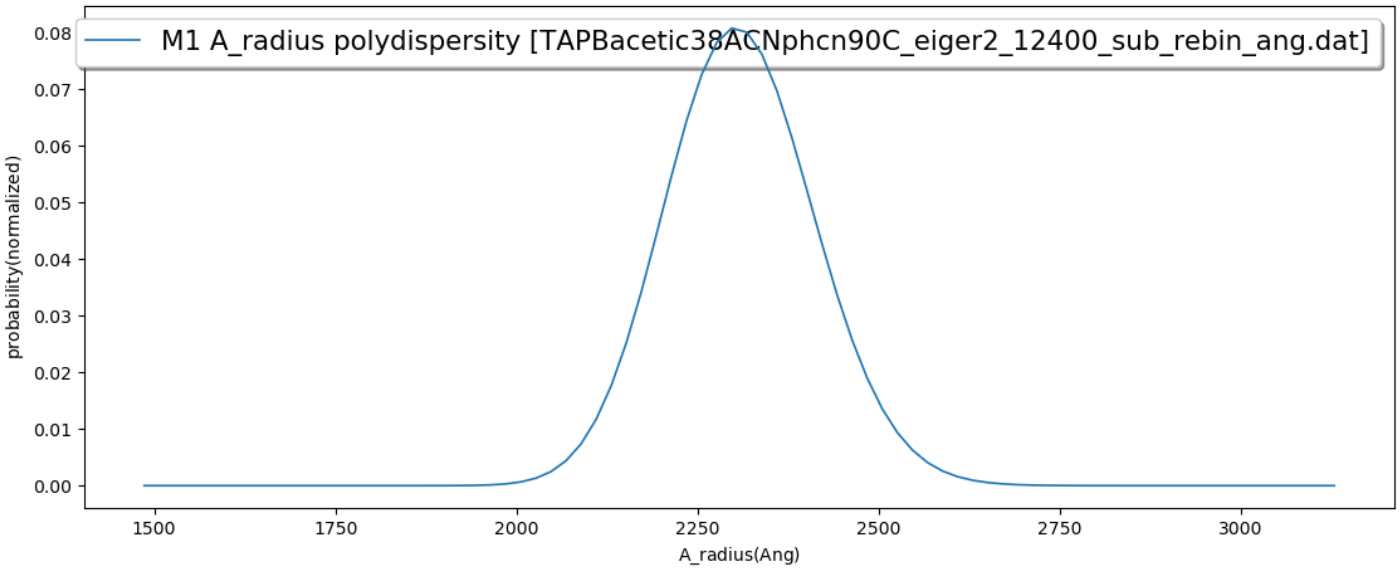
File name: TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat
SasView version: 5.0.6
SasModels version: 1.0.7
Fit optimizer used: Levenberg-Marquardt
Model name: fractal+fuzzy_sphere+core_shell_sphere
Q Range: min = 0.000212067761, max = 0.025557500100000005
Chi2/Npts: 0.39721
scale = 0.00016732 ± 2646
background = 0.15 (fixed) cm^{-1}
fractal_fuzzysphere_coreshellsphere = (fixed)
A_scale = 1.9558 ± 9.9961e+07
A_volfraction = 0.054335 ± 3.6527e+06
A_radius = 2307.4 ± 22.257 Å
A_fractal_dim = 6 ± 1e+08
A_cor_length = 0 ± 1e+08 Å
A_sld_block = 13.808 ± 9.9976e+07 $10^{-6}/Å^2$
A_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_scale = 0.066176 ± 2.659e+06
B_sld = 14.313 ± 9.997e+07 $10^{-6}/Å^2$
B_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_radius = 8335.6 ± 2141.8 Å
B_fuzziness = 0 ± 0.013746 Å
C_scale = 6.323 ± 9.9991e+07
C_radius = 4598.4 ± 17.177 Å
C_thickness = 2388.1 ± 231.85 Å
C_sld_core = 11.996 ± 1875.7 $10^{-6}/Å^2$
C_sld_shell = 9.2415 ± 206.99 $10^{-6}/Å^2$
C_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
Distribution of A_radius = 0.044495 ± 0.030866 Function: lognormal
Distribution of B_radius = 1 ± 0.3132 Function: lognormal
Distribution of B_fuzziness = 5.0172e-06 ± 1e+08 Function: lognormal
Distribution of C_radius = 0.071778 ± 0.0056635 Function: lognormal
Distribution of C_thickness = 0.57248 ± 0.088678 Function: lognormal

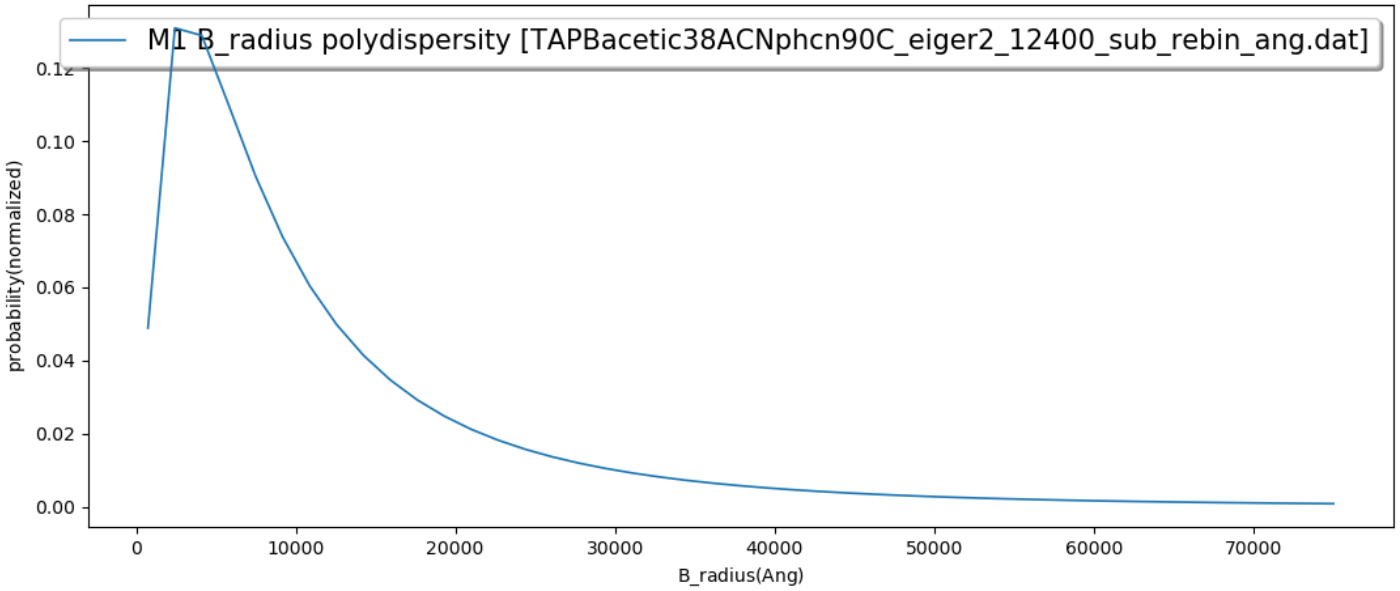
Graph

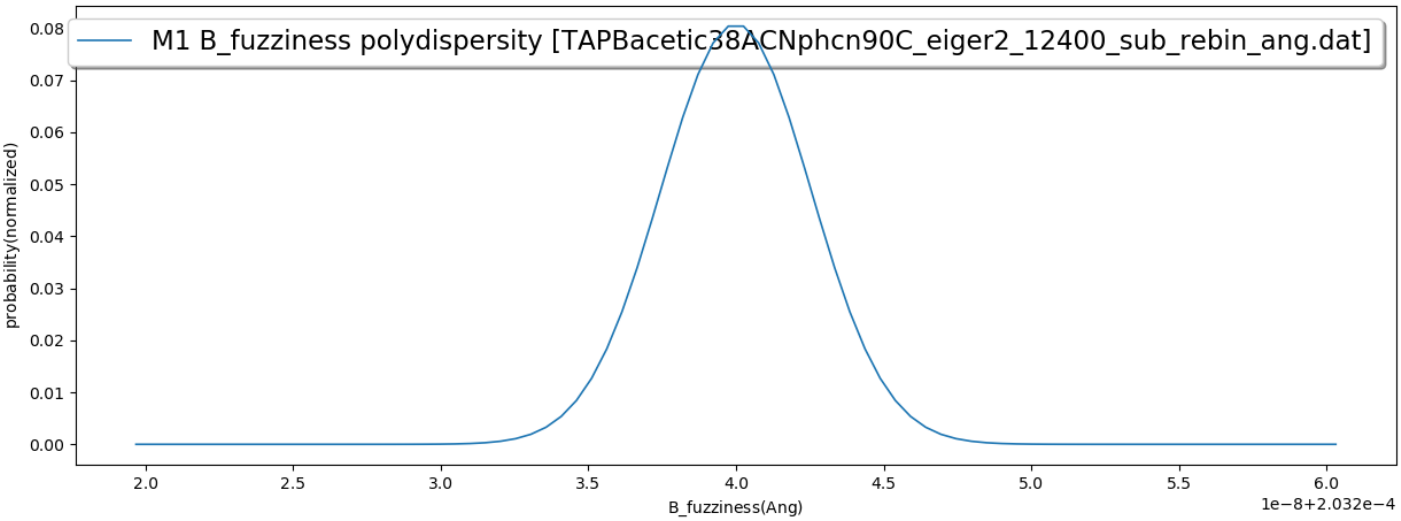
Model Computation
Data: "TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat"

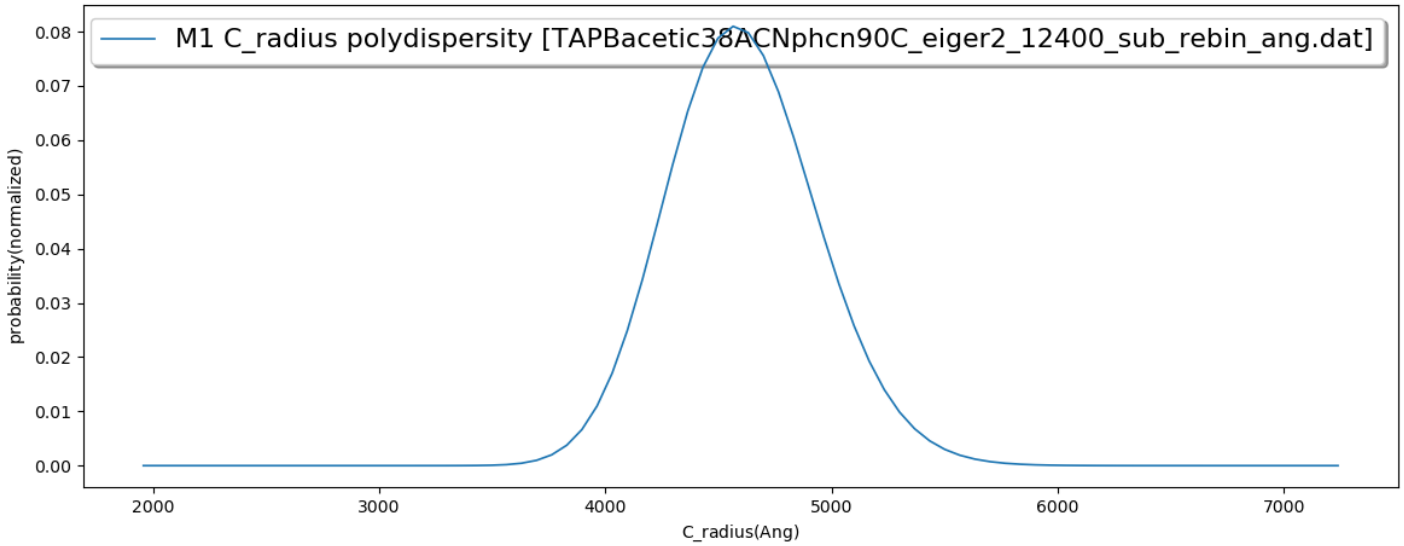

M1 [TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat]
TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat
Intensity(cm^{-1})
Q(A^{-1})

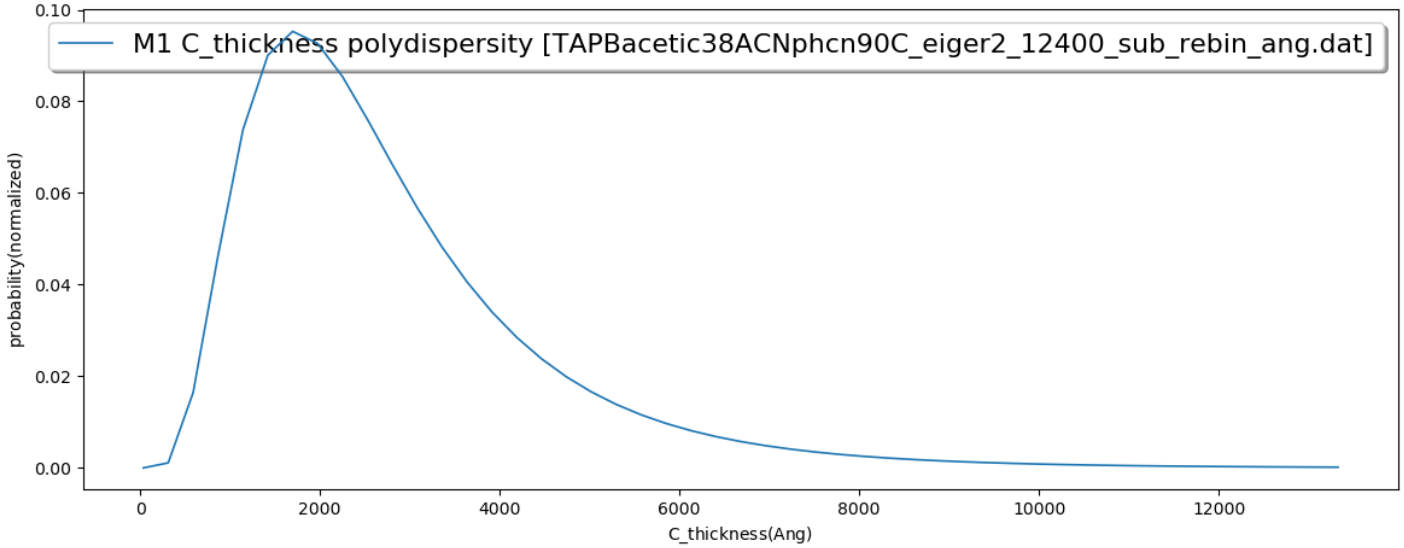

Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat]
Residuals(normalized)
Q(A^{-1})


M1 A_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat]
probability(normalized)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
1500
1750
2000
2250
2500
2750
3000
A_radius(Ang)


M1 B_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat]
probability(normalized)
0.10
0.08
0.06
0.04
0.02
0.00
0
10000
20000
30000
40000
50000
60000
70000
B_radius(Ang)


M1 B_fuzziness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12400_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
1e−8+2.032e−4
B_fuzziness(Ang)


M1 C_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12400_sub_rebin_ang.dat]
probability(normalized)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
2000
3000
4000
5000
6000
7000
C_radius(Ang)


M1 C_thickness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12400_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
C_thickness(Ang)