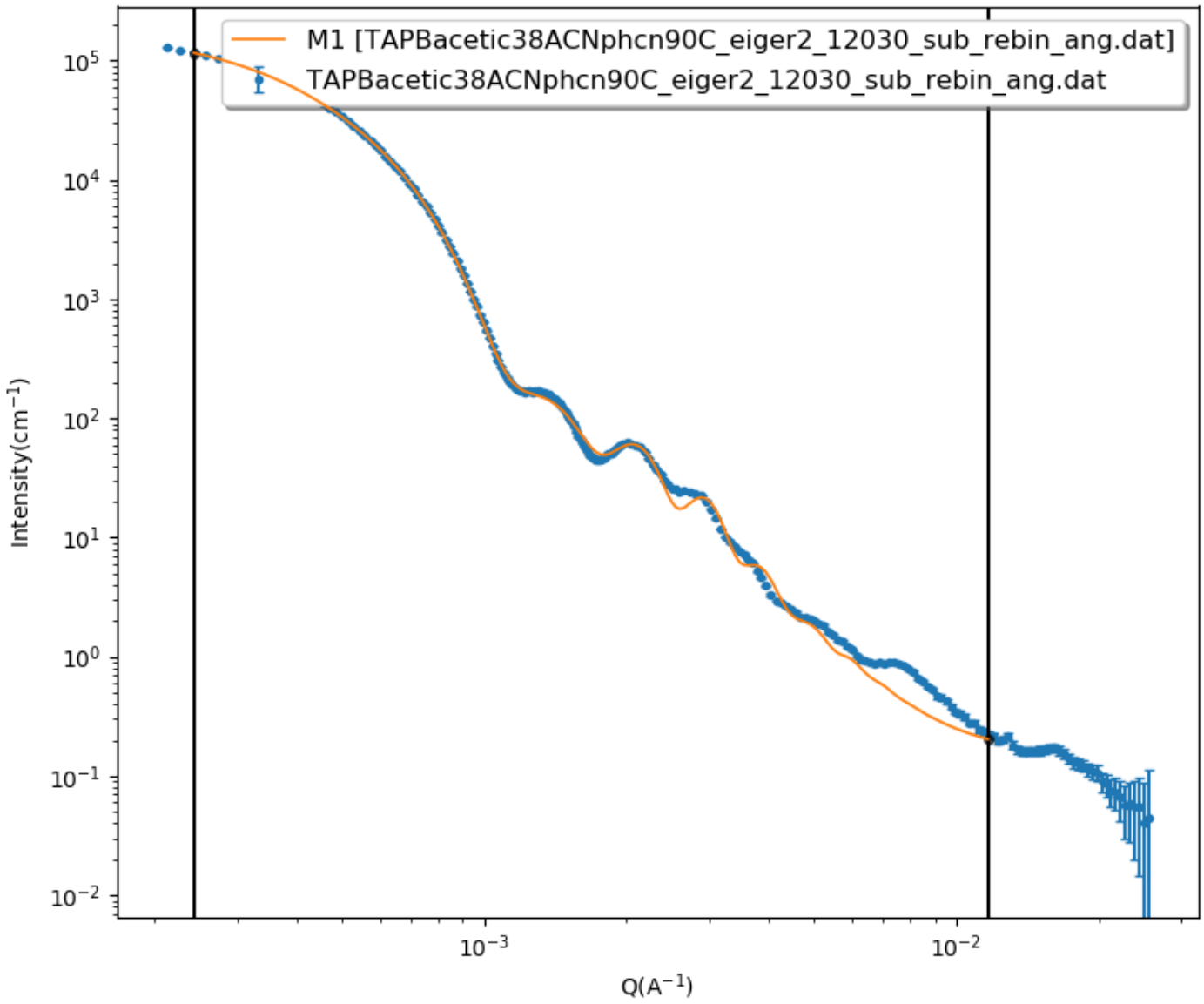
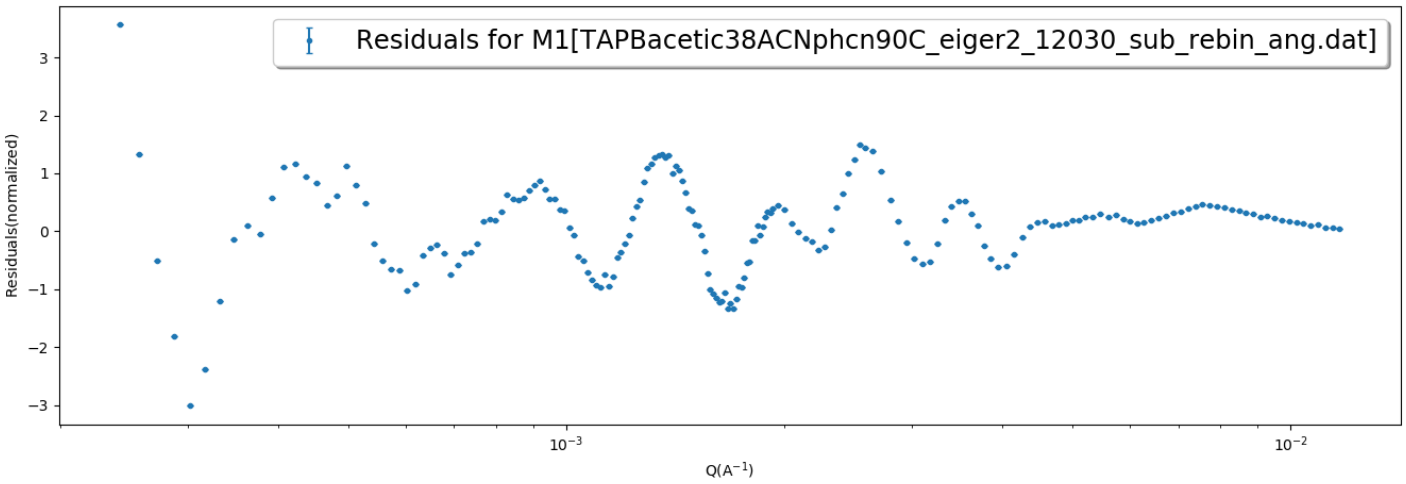
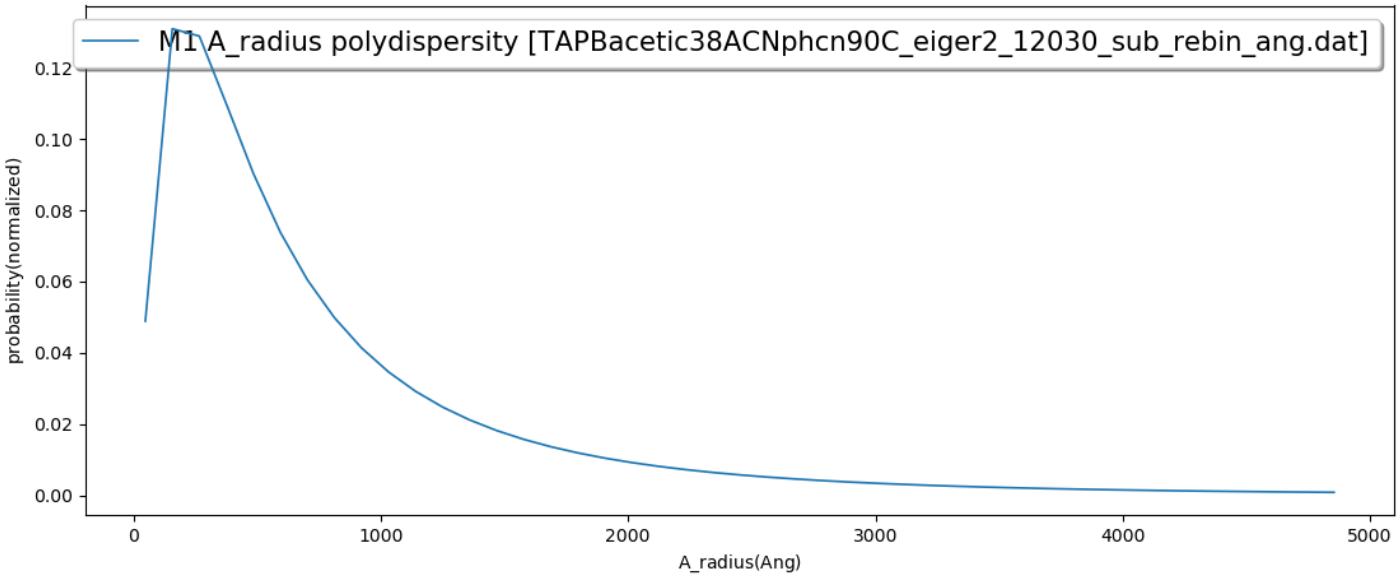
File name: TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat
SasView version: 5.0.6
SasModels version: 1.0.7
Fit optimizer used: Levenberg-Marquardt
Model name: fractal+fuzzy_sphere+core_shell_sphere
Q Range: min = 0.000212067761, max = 0.025557500100000005
Chi2/Npts: 0.63733
scale = 0.00011193 ± 3483
background = 0.15 (fixed) cm^{-1}
fractal_fuzzysphere_coreshellsphere = (fixed)
A_scale = 1.7518 ± 9.9981e+07
A_volfraction = 0.034388 ± 2.5184e+06
A_radius = 539.38 ± 573.25 Å
A_fractal_dim = 6 ± 1e+08
A_cor_length = 0 ± 1e+08 Å
A_sld_block = 14.825 ± 9.9993e+07 $10^{-6}/Å^2$
A_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_scale = 0.40356 ± 2.792e+07
B_sld = 11.984 ± 9.6789e+07 $10^{-6}/Å^2$
B_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_radius = 6518.8 ± 508.83 Å
B_fuzziness = 0 ± 1e+08 Å
C_scale = 3.1897 ± 9.9254e+07
C_radius = 3099.2 ± 37.734 Å
C_thickness = 2026.5 ± 51.643 Å
C_sld_core = 13.383 ± 314.09 $10^{-6}/Å^2$
C_sld_shell = 10.425 ± 106.88 $10^{-6}/Å^2$
C_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
Distribution of A_radius = 1 ± 0.98285 Function: lognormal
Distribution of B_radius = 0.17379 ± 0.030771 Function: lognormal
Distribution of B_fuzziness = 0 ± 1e+08 Function: lognormal
Distribution of C_radius = 0.055637 ± 0.012729 Function: lognormal
Distribution of C_thickness = 0.23826 ± 0.019875 Function: lognormal

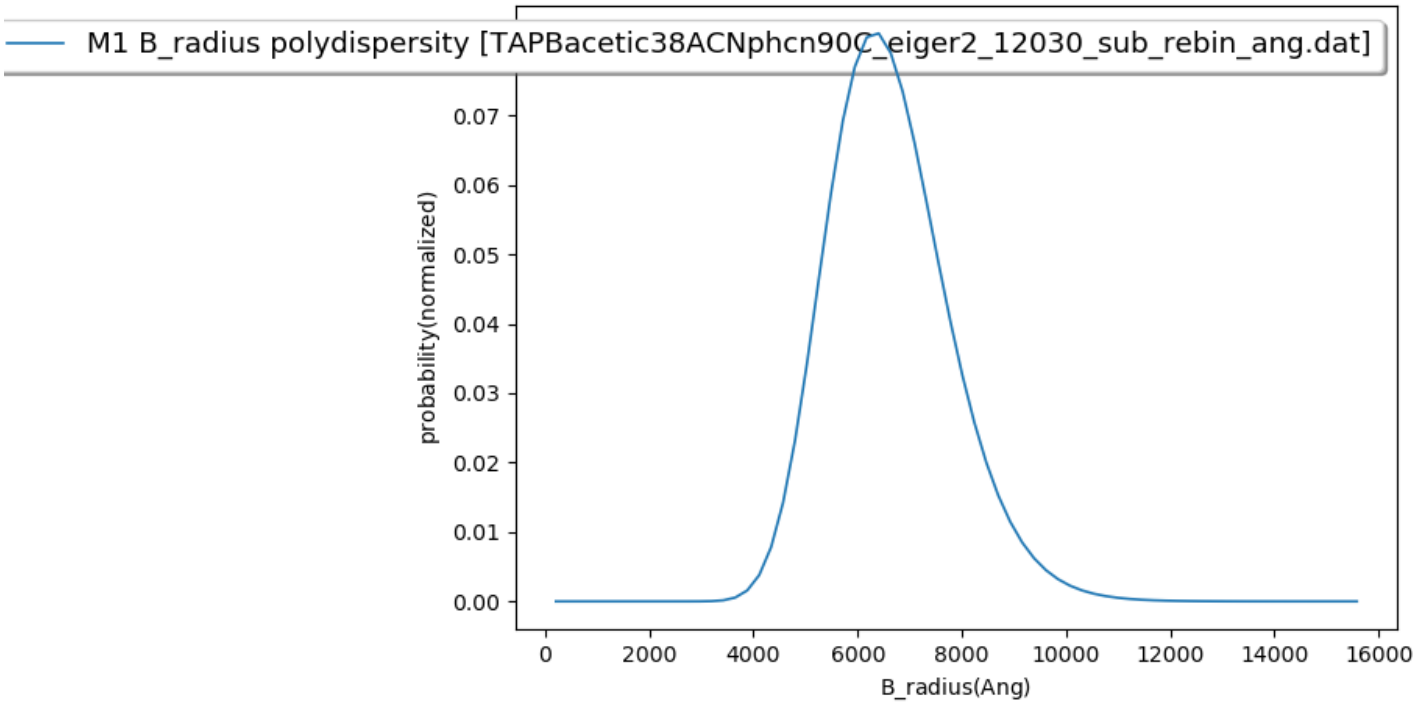
Graph

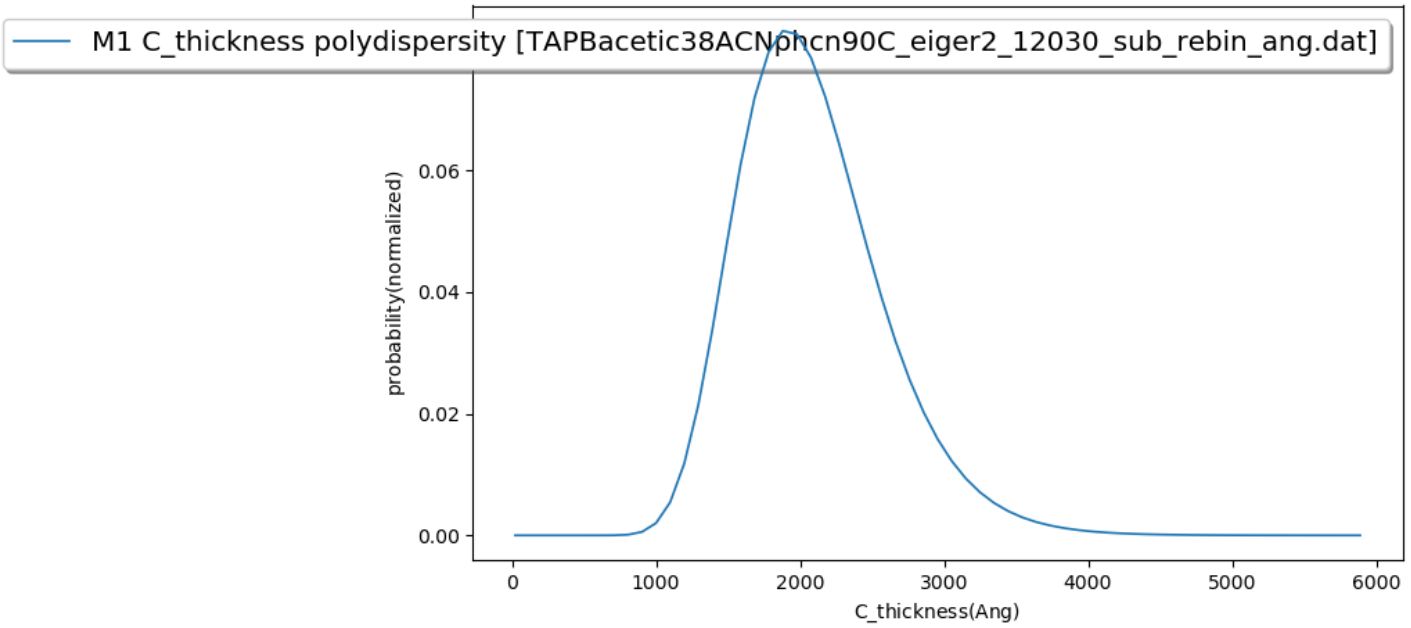
Model Computation
Data: "TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat"

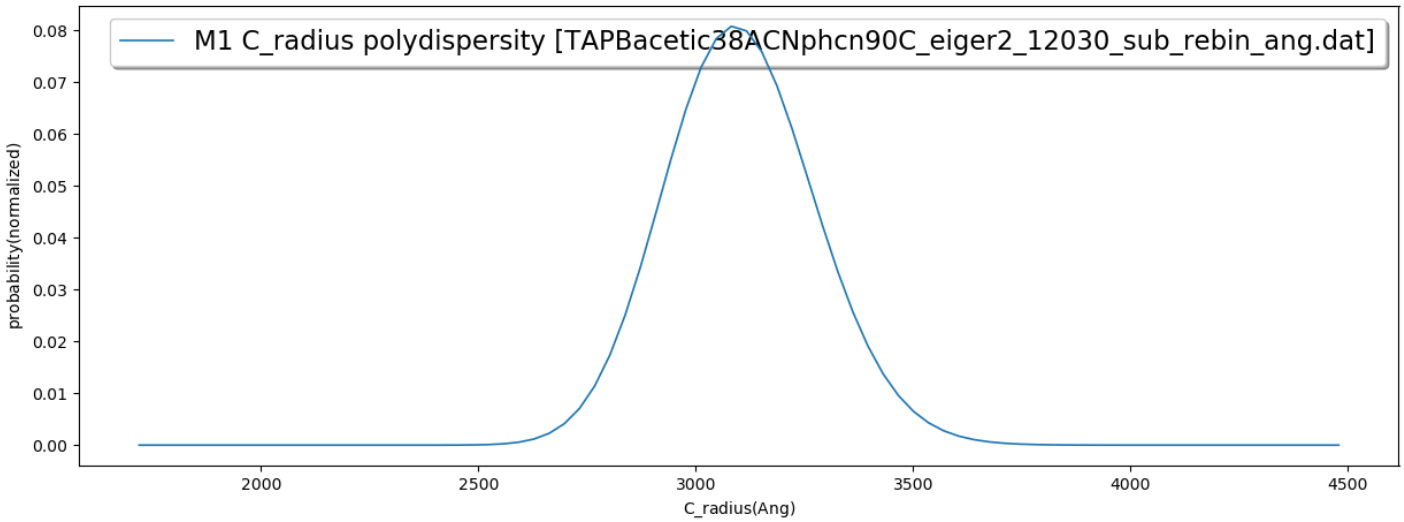

M1 [TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat]
TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat
Intensity(cm^{-1})
Q(A^{-1})


Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat]
Residuals(normalized)
Q(A^{-1})


M1 A_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat]
probability(normalized)
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0
1000
2000
3000
4000
5000
A_radius(Ang)


M1 B_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat]
probability(normalized)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
2000
4000
6000
8000
10000
12000
14000
16000
B_radius(Ang)


M1 C_thickness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat]
probability(normalized)
0.06
0.04
0.02
0.00
0
1000
2000
3000
4000
5000
6000
C_thickness(Ang)


M1 C_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12030_sub_rebin_ang.dat]
probability(normalized)
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
2000
2500
3000
3500
4000
4500
C_radius(Ang)