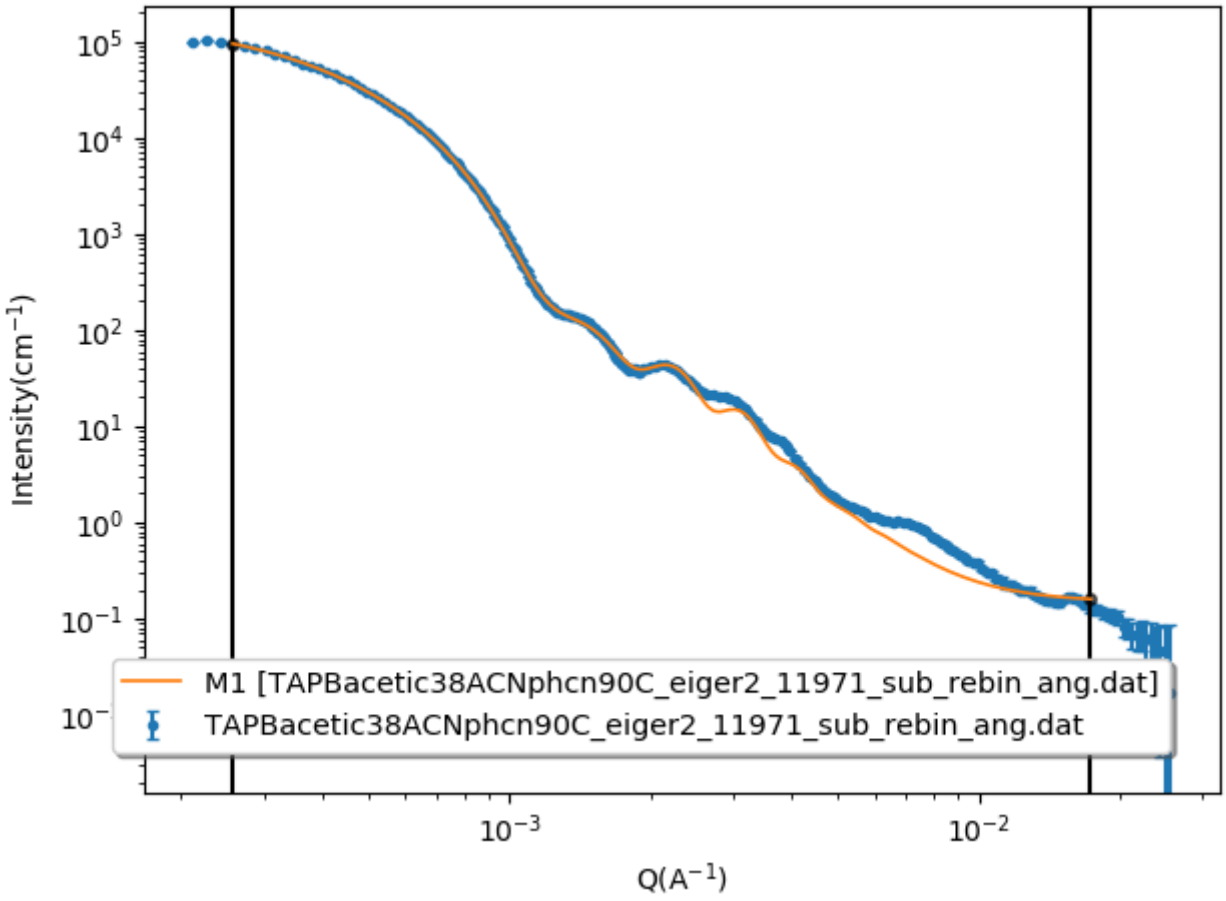
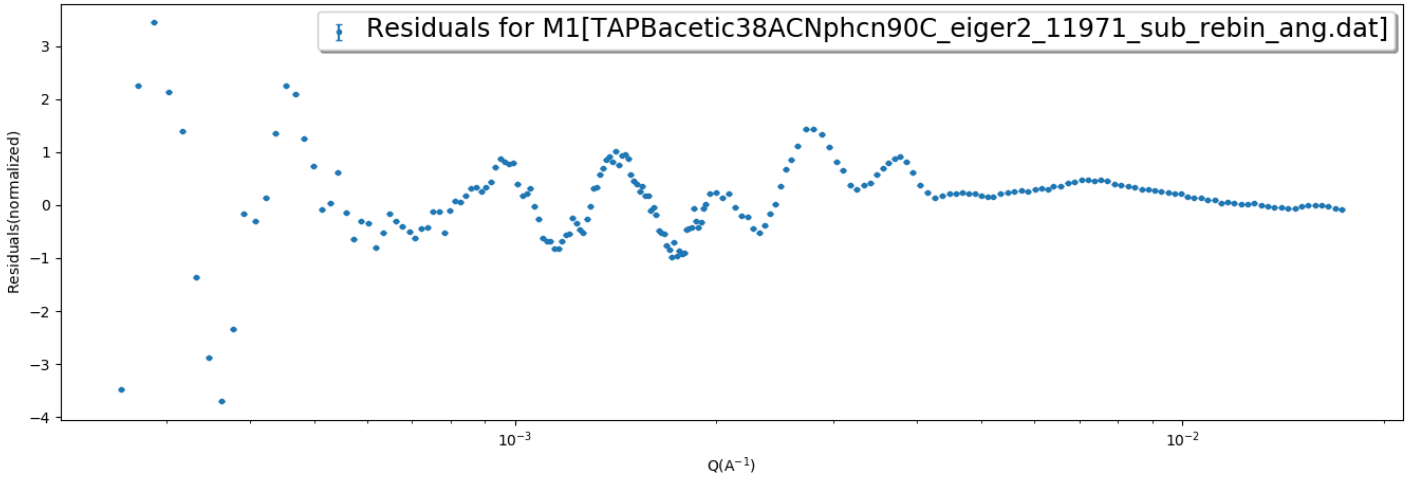
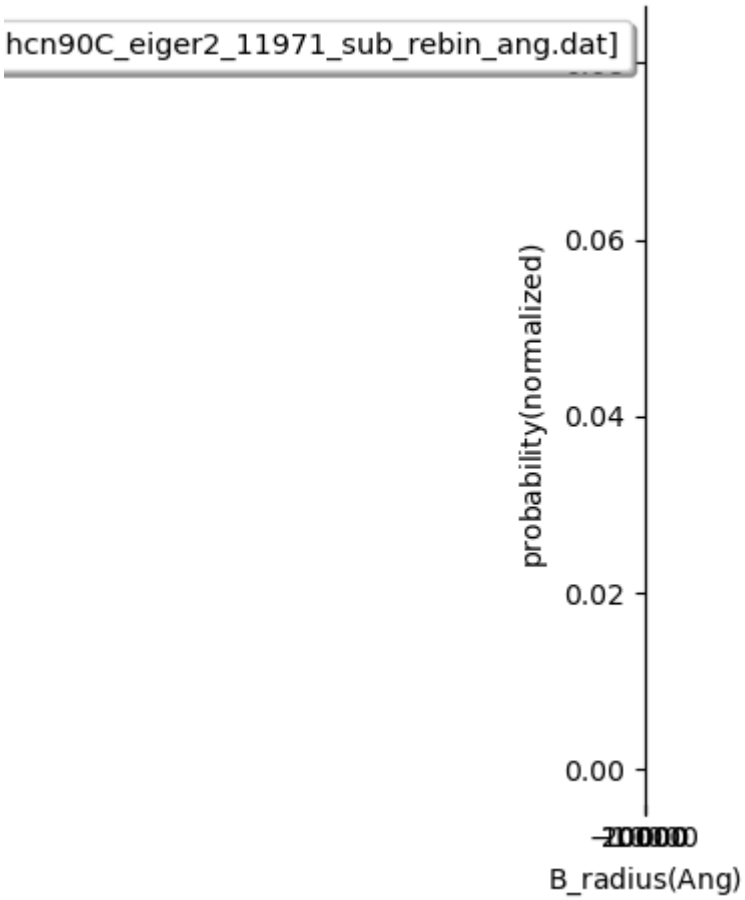
File name: TAPBacetic38ACNphcn90C_eiger2_11971_sub_rebin_ang.dat
SasView version: 5.0.6
SasModels version: 1.0.7
Fit optimizer used: Levenberg-Marquardt
Model name: fractal+fuzzy_sphere+core_shell_sphere
Q Range: min = 0.000212067761, max = 0.025557500100000005
Chi2/Npts: 0.67672
scale = 0.00011457 ± 5344.7
background = 0.15 (fixed) cm^{-1}
fractal_fuzzysphere_coreshellsphere = (fixed)
A_scale = 1.582 ± 9.9876e+07
A_volfraction = 0.079102 ± 6.9765e+06
A_radius = 508.43 ± 2112.3 Å
A_fractal_dim = 6 ± 1e+08
A_cor_length = 0 ± 1e+08 Å
A_sld_block = 13.837 ± 9.9949e+07 $10^{-6}/Å^2$
A_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_scale = 0.56675 ± 4.0944e+07
B_sld = 12.083 ± 9.4572e+07 $10^{-6}/Å^2$
B_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
B_radius = 5437.9 ± 5167.6 Å
B_fuzziness = 917.18 ± 5755.2 Å
C_scale = 2.0745 ± 9.6779e+07
C_radius = 2908.9 ± 62.961 Å
C_thickness = 1925.6 ± 70.785 Å
C_sld_core = 13.919 ± 2015.8 $10^{-6}/Å^2$
C_sld_shell = 10.555 ± 665.08 $10^{-6}/Å^2$
C_sld_solvent = 8.9 (fixed) $10^{-6}/Å^2$
Distribution of A_radius = 1 ± 4.4474 Function: lognormal
Distribution of B_radius = 0.22051 ± 0.15487 Function: lognormal
Distribution of B_fuzziness = 0 ± 0.00060049 Function: lognormal
Distribution of C_radius = 0.073007 ± 0.033652 Function: lognormal
Distribution of C_thickness = 0.23409 ± 0.078315 Function: lognormal

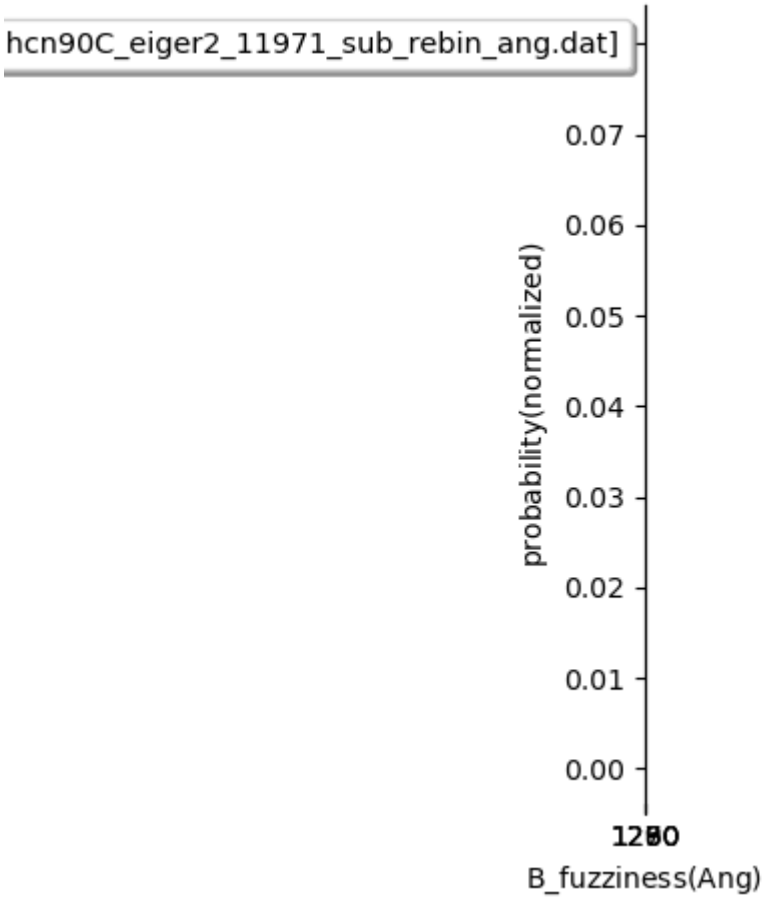
Graph

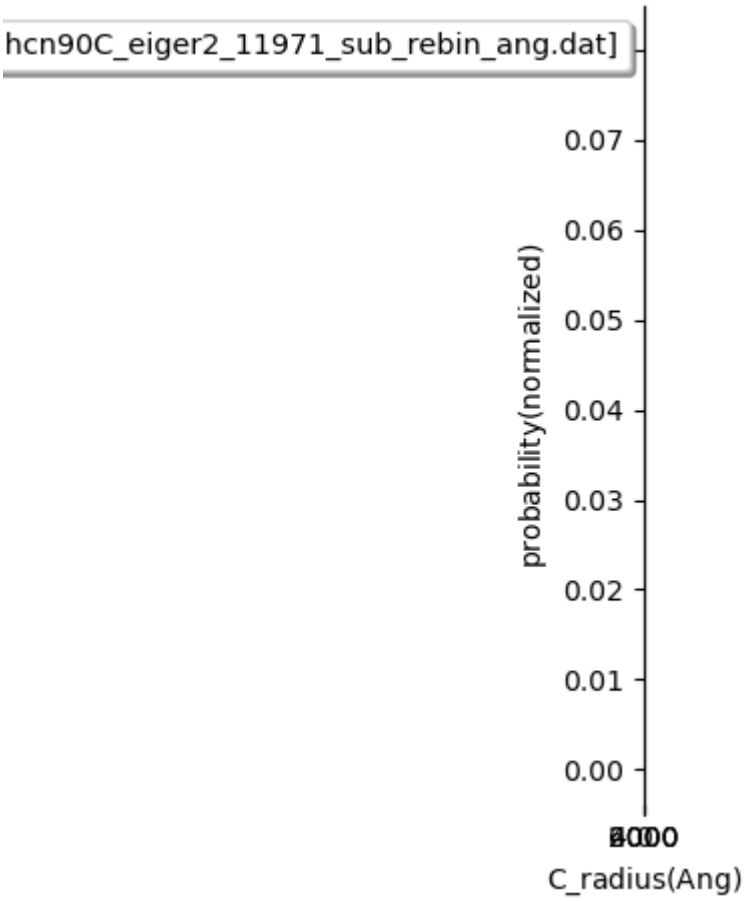
Model Computation
Data: "TAPBacetic38ACNphcn90C_eiger2_11971_sub_rebin_ang.dat"

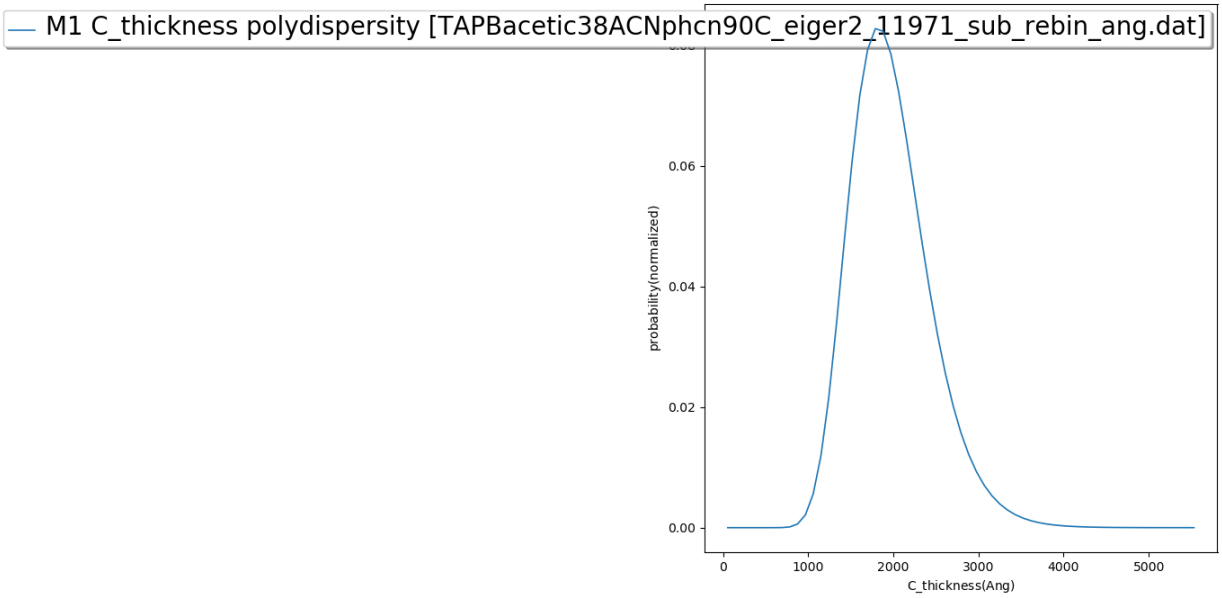

Intensity(cm^{-1})
Q(A^{-1})
M1 [TAPBacetic38ACNphcn90C_eiger2_11971_sub_rebin_ang.dat]
TAPBacetic38ACNphcn90C_eiger2_11971_sub_rebin_ang.dat

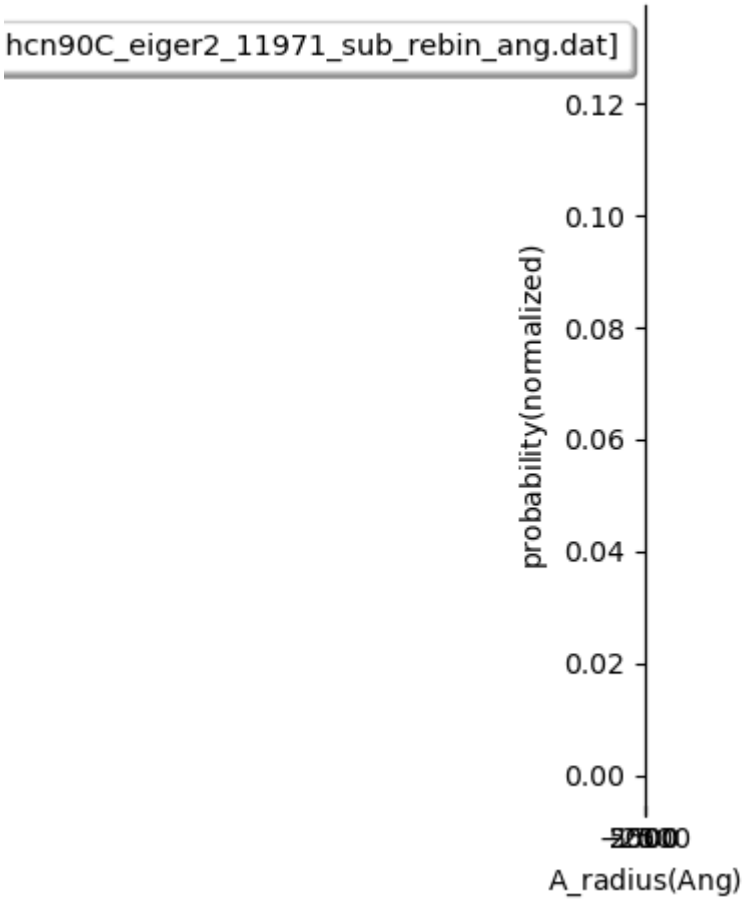

Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_11971_sub_rebin_ang.dat]
Residuals(normalized)
Q(A^{-1})


hcn90C_eiger2_11971_sub_rebin_ang.dat]
probability(normalized)
0.06
0.04
0.02
0.00
B_radius(Ang)


hcn90C_eiger2_11971_sub_rebin_ang.dat]
probability(normalized)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
B_fuzziness(Ang)


hcn90C_eiger2_11971_sub_rebin_ang.dat]
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
probability(normalized)
C_radius(Ang)


M1 C_thickness polydispersity [TAPBacetic38ACNphcn90C_eiger2_11971_sub_rebin_ang.dat]
0.06
0.04
0.02
0.00
probability(normalized)
0
1000
2000
3000
4000
5000
C_thickness(Ang)


hcn90C_eiger2_11971_sub_rebin_ang.dat]
0.12
0.10
0.08
0.06
0.04
0.02
0.00
probability(normalized)
A_radius(Ang)