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Sun Oct 29 08:28:26 2023

FIT: data read from './sampling\_(3x-2)^2\*Qp20%\_2023-Oct-27-15:18:41\_full.data'  
 format = z  
 #datapoints = 100  
 residuals are weighted equally (unit weight)

function used for fitting:  $f(x)$

$f(x)=(A*x+B)**-1$

fitted parameters initialized with current variable values

iter	chisq	delta/lim	lambda	A	B
0	8.4430570428e+05	0.00e+00	1.32e-01	1.000000e+00	1.000000e+00
7536	5.5006242532e+05	-9.95e-03	1.32e+03	-8.967818e-02	4.523243e-01

After 7536 iterations the fit converged.

final sum of squares of residuals : 550062

rel. change during last iteration : -9.94981e-08

degrees of freedom	(FIT_NDF)	:	98
rms of residuals	(FIT_STDFIT) = sqrt(WSSR/ndf)	:	74.9192
variance of residuals (reduced chisquare) = WSSR/ndf		:	5612.88

Final set of parameters	Asymptotic Standard Error
A = -0.0896782	+/- 0.004245 (4.733%)
B = 0.452324	+/- 0.02623 (5.8%)

correlation matrix of the fit parameters:

	A	B
A	1.000	
B	-0.999	1.000