```
*******************************************************************************
Sun Oct 29 08:22:58 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)**3
fitted parameters initialized with current variable values

iter      chisq       delta/lim  lambda    A            B
   0 7.0353242439e+04   0.00e+00  2.04e+02   1.000000e+00   1.000000e+00
   4 1.2275665507e+04  -1.23e-03  2.04e-02   9.501170e-01   8.196346e-01

After 4 iterations the fit converged.
final sum of squares of residuals : 12275.7
rel. change during last iteration : -1.23121e-08

degrees of freedom    (FIT_NDF)                        : 98
rms of residuals      (FIT_STDFIT) = sqrt(WSSR/ndf)    : 11.192
variance of residuals (reduced chisquare) = WSSR/ndf   : 125.262

Final set of parameters            Asymptotic Standard Error
=======================            ==========================
A               = 0.950117         +/- 0.02696      (2.838%)
B               = 0.819635         +/- 0.1124       (13.72%)

correlation matrix of the fit parameters:
                A       B
A               1.000
B              -0.985   1.000
```