```
*******************************************************************************
Sun Oct 29 08:19:48 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)**2
fitted parameters initialized with current variable values

iter      chisq       delta/lim  lambda   A             B
   0 4.9244681130e+05   0.00e+00  2.62e+01    1.000000e+00   1.000000e+00
   5 1.1749573624e+04  -4.86e-06  2.62e-04    2.985097e+00  -1.916608e+00

After 5 iterations the fit converged.
final sum of squares of residuals : 11749.6
rel. change during last iteration : -4.85979e-11

degrees of freedom    (FIT_NDF)                        : 98
rms of residuals      (FIT_STDFIT) = sqrt(WSSR/ndf)    : 10.9496
variance of residuals (reduced chisquare) = WSSR/ndf   : 119.894

Final set of parameters            Asymptotic Standard Error
=======================            ==========================
A               = 2.9851           +/- 0.0807       (2.703%)
B               = -1.91661         +/- 0.328        (17.11%)

correlation matrix of the fit parameters:
                A      B
A               1.000
B              -0.982  1.000
```