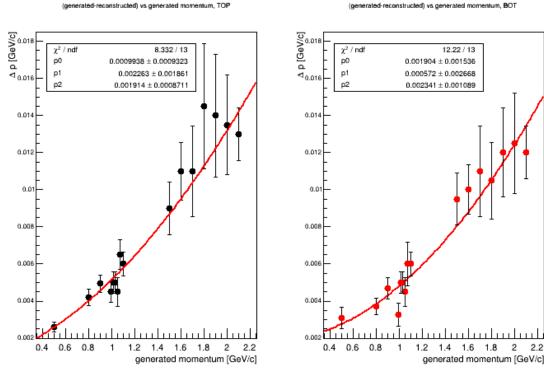
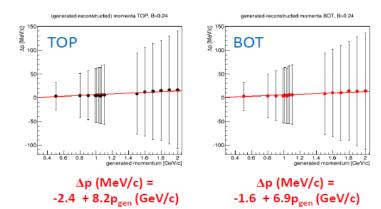
## MC electron gun generation: generated-reconstructed momentum

1.6

- The plot shown in the presentation for CM reports as errors the sigmas of the recon momentum distributions
  - Unreliable fit (just for eye guidance)





- New fit using the error on the mean value of the reconstructed momentum gaussian (at the level of 1% or smaller) disystematic error on the mean value evaluation using different intervals for the peak gaussian fit
  - Best fit: quadratic form
  - Momentum loss after recon:
    - 5-6 MeV/c @ 1.056 GeV/c
    - 15-16 MeV/c @ 2.3 GeV/c