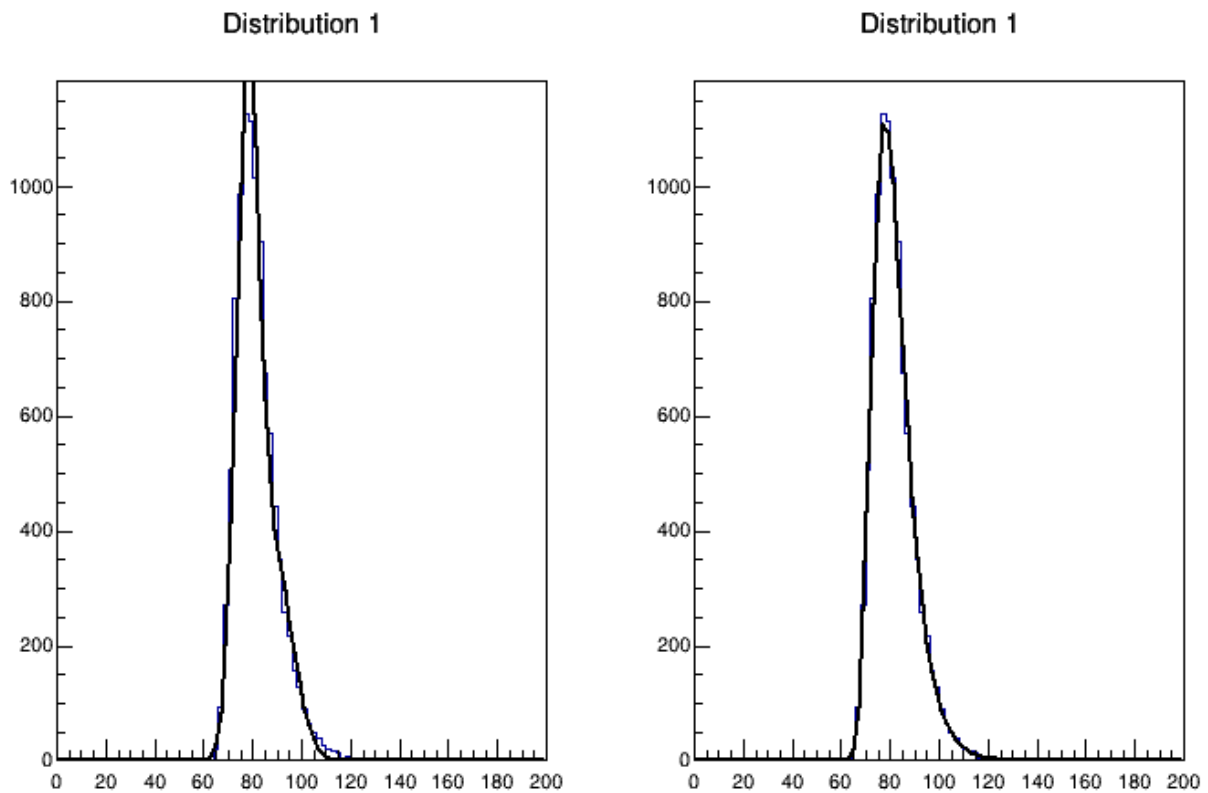Part 1:

EXT PARAMETER   PARABOLIC   MINOS ERRORS
 NO. NAME   VALUE   ERROR   NEGATIVE   POSITIVE
  1 Beta   6.59041e+00   5.13376e-02 -5.15205e-02   5.12548e-02
  2 mu   7.77569e+01   6.96353e-02 -6.94755e-02   6.98201e-02
  3 A   1.99649e+04   1.99518e+02
Info in <TCanvas::Print>: file pt1.png has been created
Sum of Two Gaussians:
chi-squared: 258.047
p value = 3.19697e-17

Gumbel Distribution:
chi-squared: 21.5077
p value = 1