Shape Factor for Octet 80, type0

$b_{Minuit} = 0.047216$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.855997$

$b_{HF} = 0.044993$

$bErr_{HF} = 0.021490$

$\dfrac{\chi^2_{HF}}{n} = 1.855778$
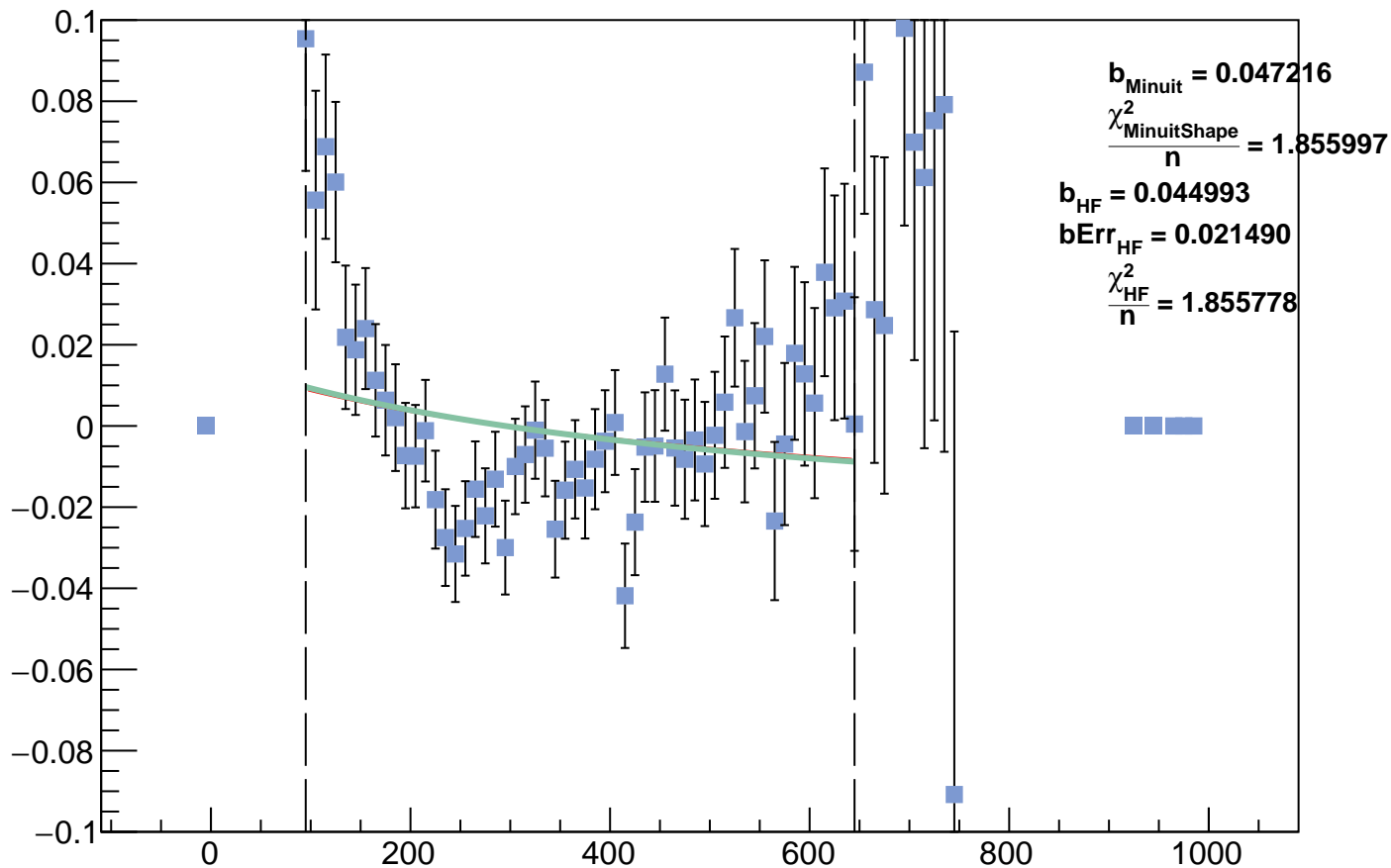
Shape Factor for Octet 81, type0

$b_{Minuit} = 0.036147$

$\frac{\chi^2_{MinuitShape}}{n} = 1.968766$

$b_{HF} = 0.035204$

$bErr_{HF} = 0.021197$

$\frac{\chi^2_{HF}}{n} = 1.968722$
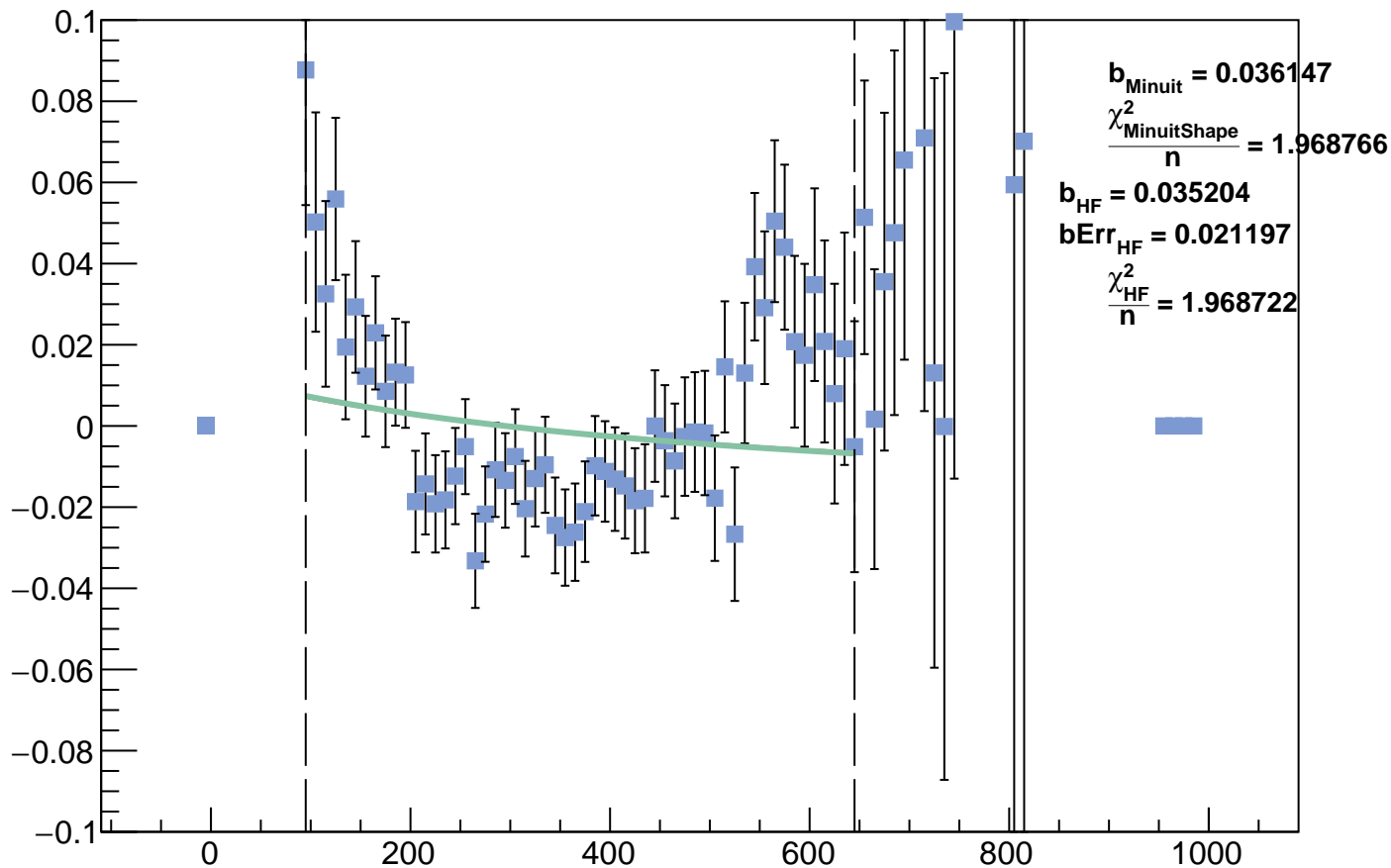
Shape Factor for Octet 82, type0

$b_{Minuit} = 0.099997$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.503965$

$b_{HF} = 0.079670$

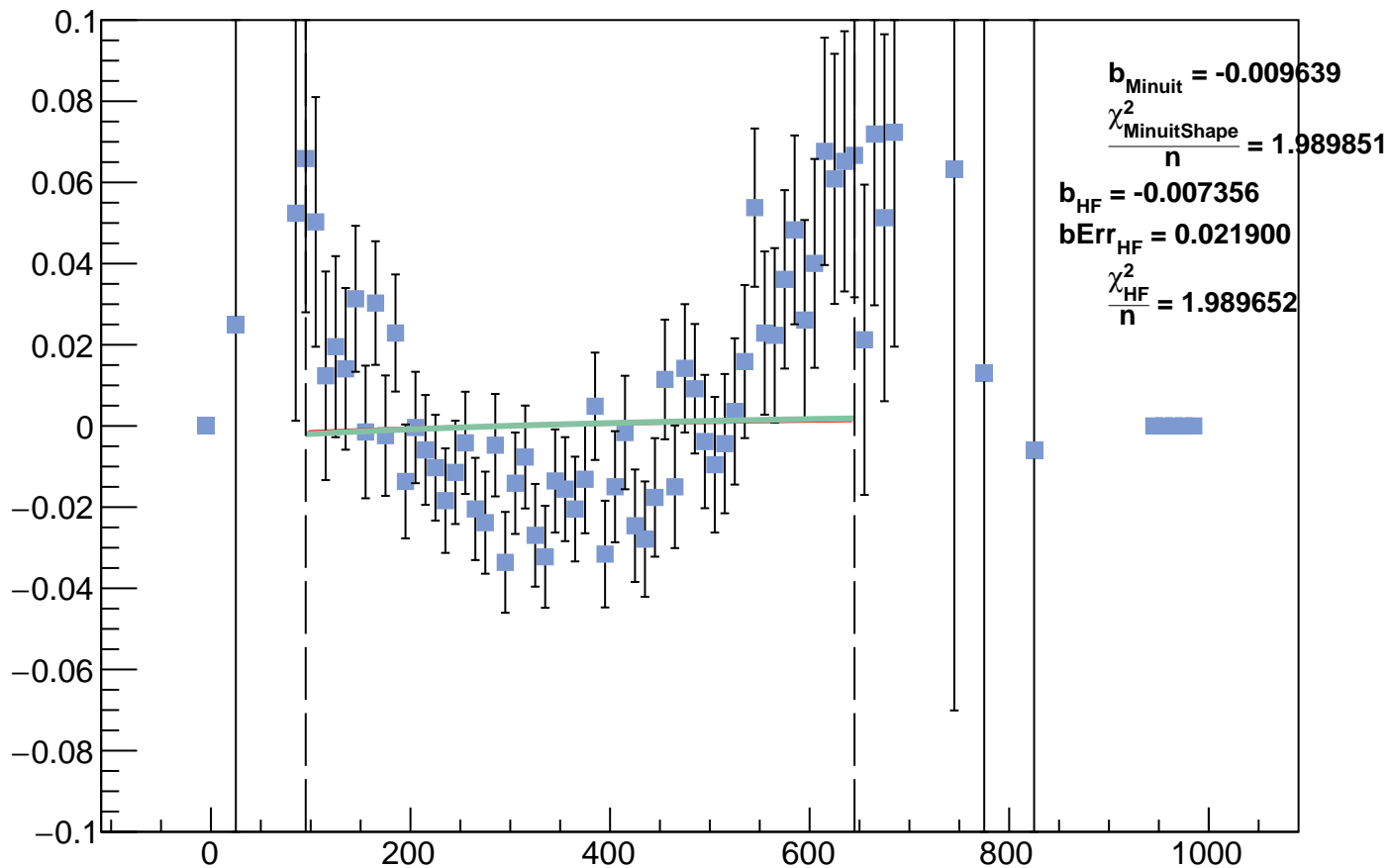$bErr_{HF} = 0.023480$

$\dfrac{\chi^2_{HF}}{n} = 1.490530$
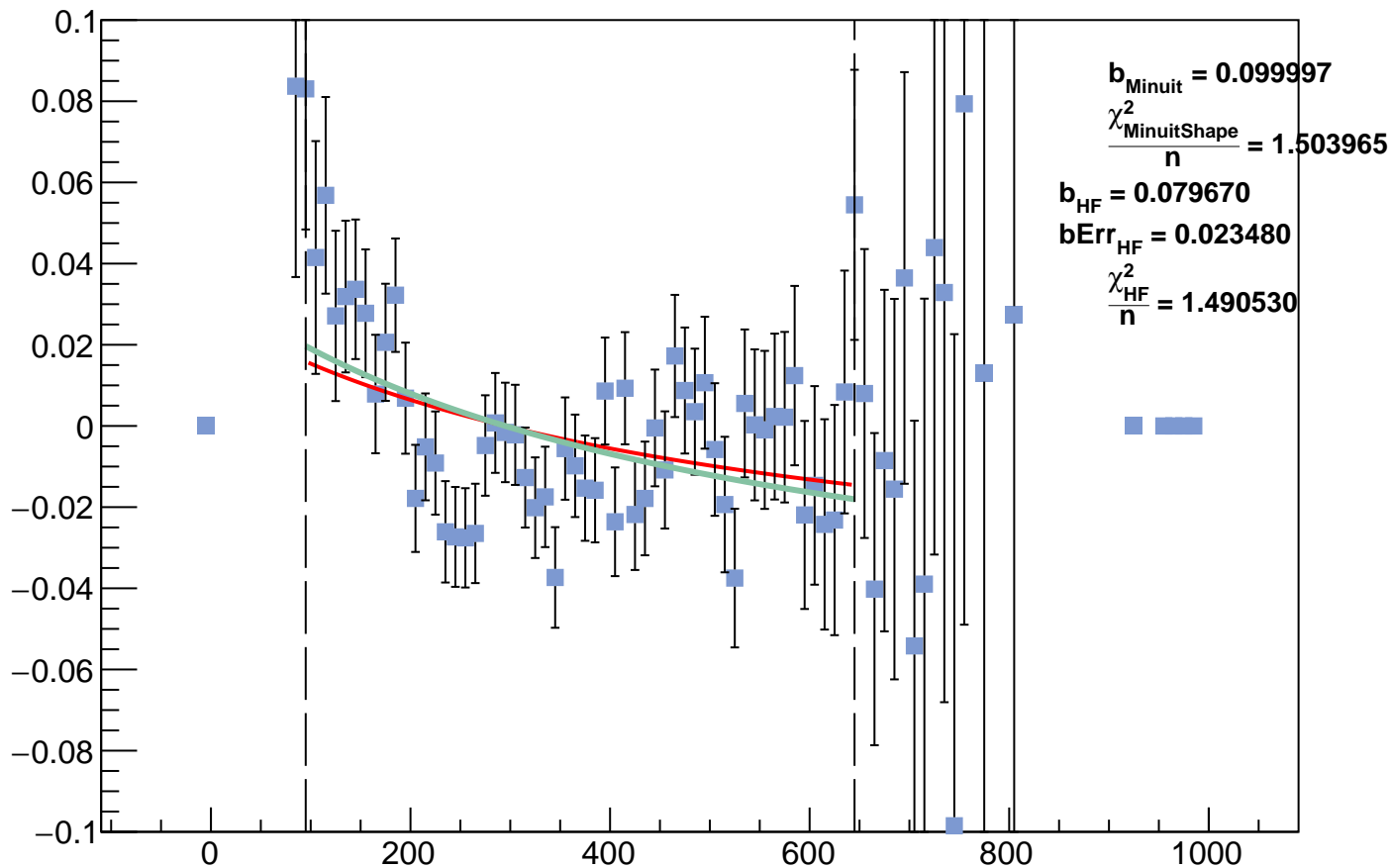
Shape Factor for Octet 83, type0

b_{Minuit} = -0.009639

$\frac{\chi^2_{MinuitShape}}{n}$ = 1.989851

b_{HF} = -0.007356

$bErr_{HF}$ = 0.021900

$\frac{\chi^2_{HF}}{n}$ = 1.989652

Shape Factor for Octet 84, type0

$b_{Minuit} = 0.088908$

$\frac{\chi^2_{MinuitShape}}{n} = 1.810448$

$b_{HF} = 0.072560$

$bErr_{HF} = 0.024151$

$\frac{\chi^2_{HF}}{n} = 1.802172$
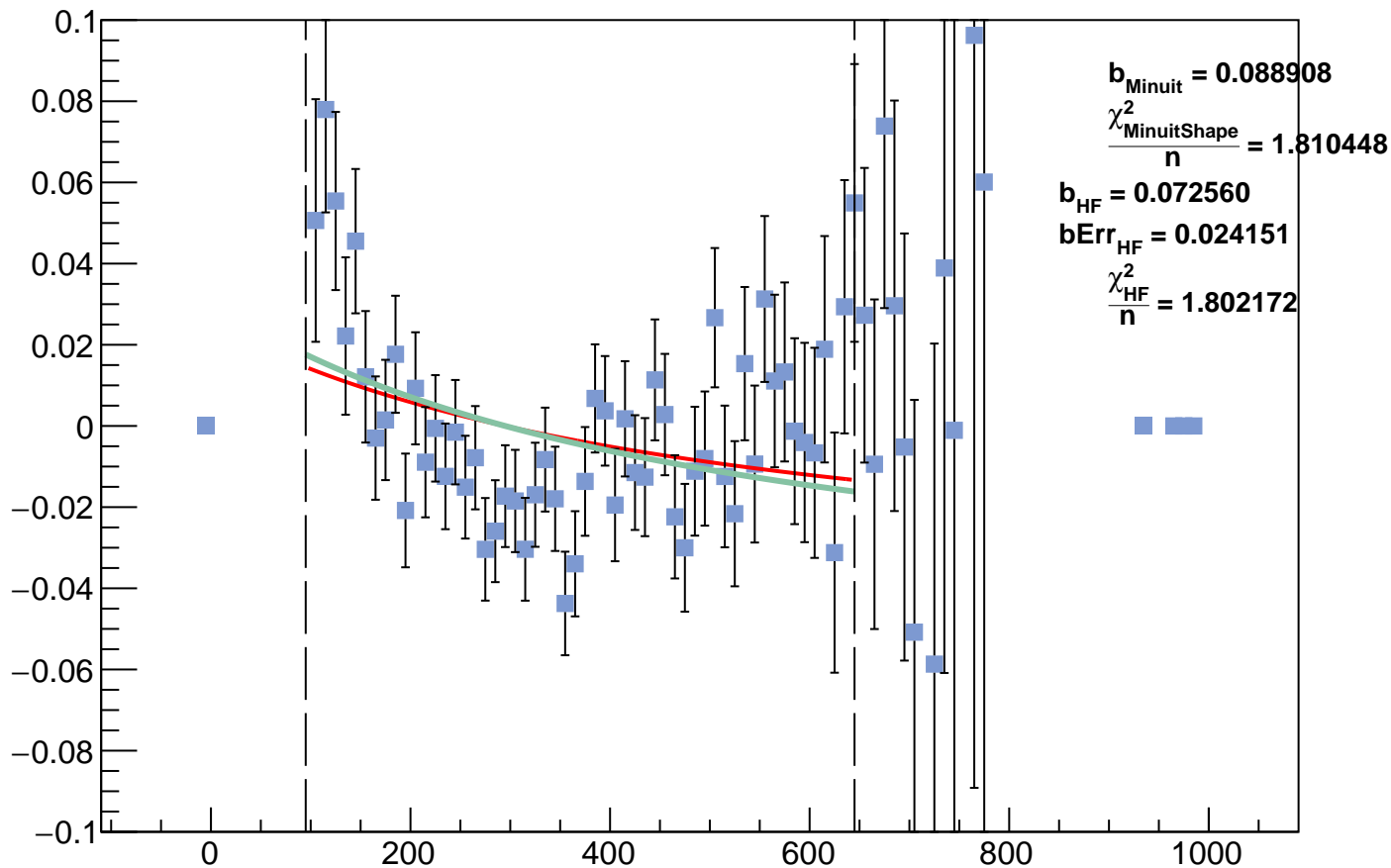
Shape Factor for Octet 85, type0

$b_{Minuit} = 0.054371$

$\frac{\chi^2_{MinuitShape}}{n} = 1.272993$

$b_{HF} = 0.046860$

$bErr_{HF} = 0.026700$

$\frac{\chi^2_{HF}}{n} = 1.271549$
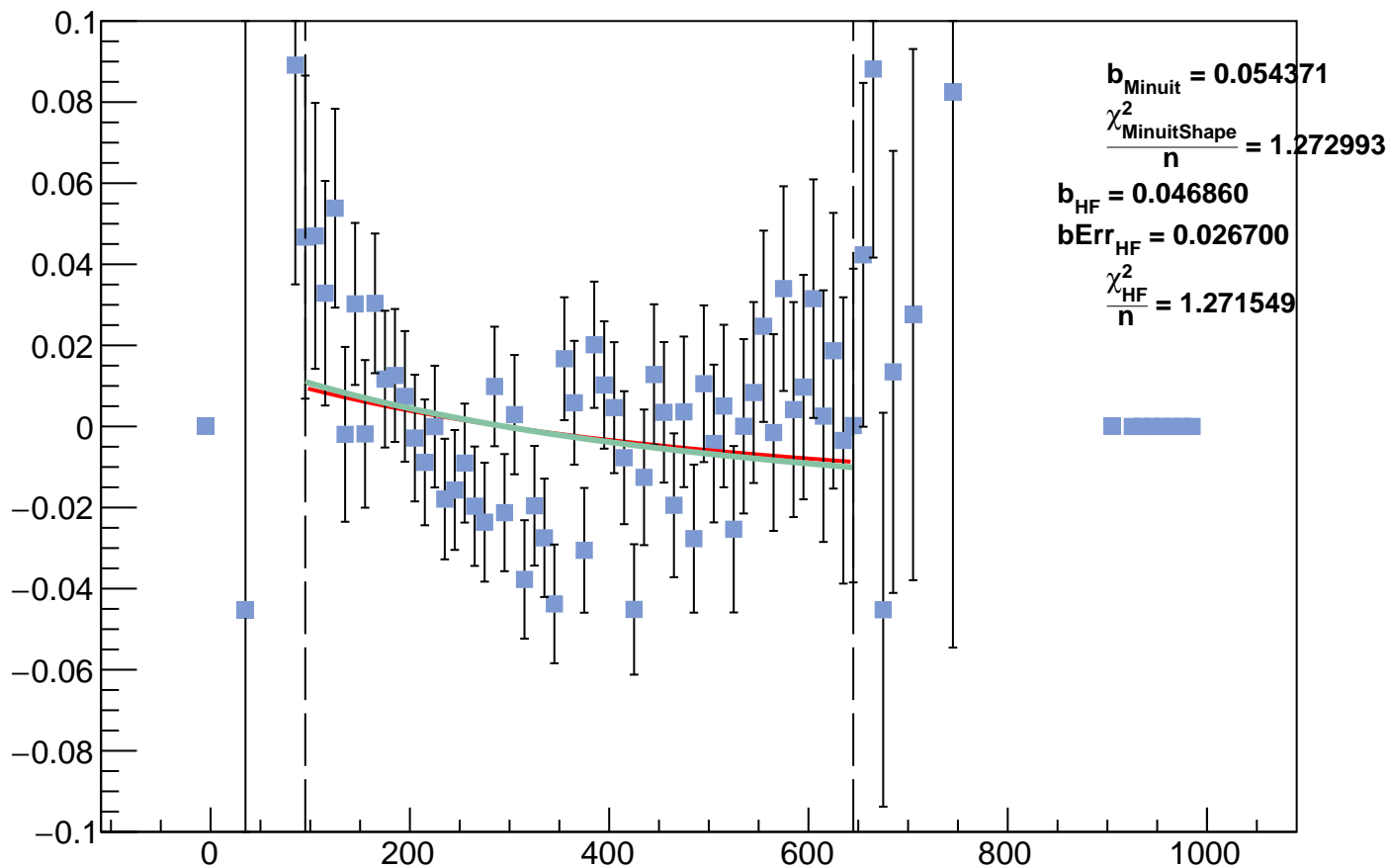
Shape Factor for Octet 86, type0

$b_{Minuit} = -0.034667$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.294330$

$b_{HF} = -0.029210$

$bErr_{HF} = 0.031354$

$\dfrac{\chi^2_{HF}}{n} = 1.293773$
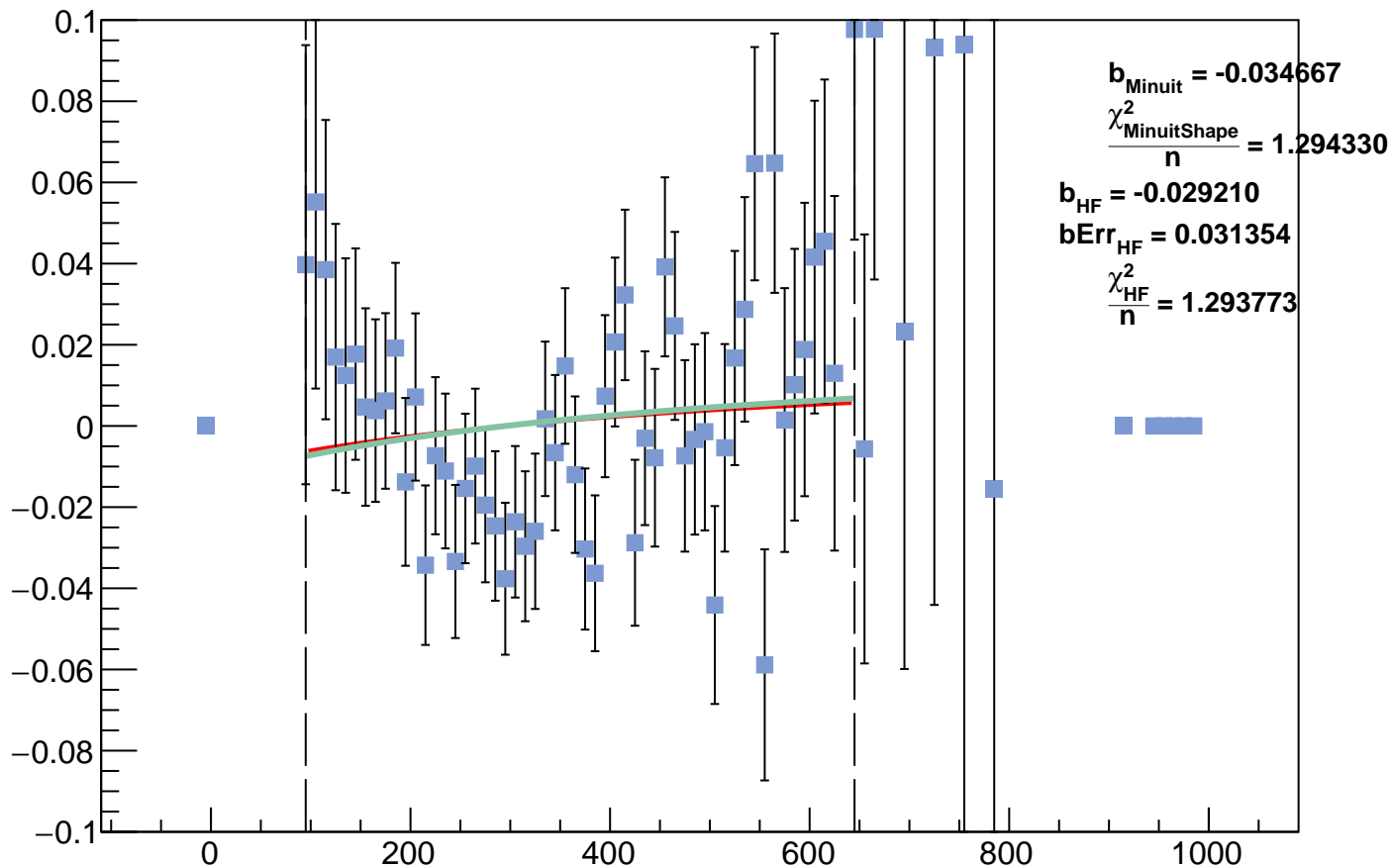
Shape Factor for Octet 87, type0

$b_{Minuit} = -0.050166$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.500760$

$b_{HF} = -0.040265$

$bErr_{HF} = 0.025566$

$\dfrac{\chi^2_{HF}}{n} = 1.497994$
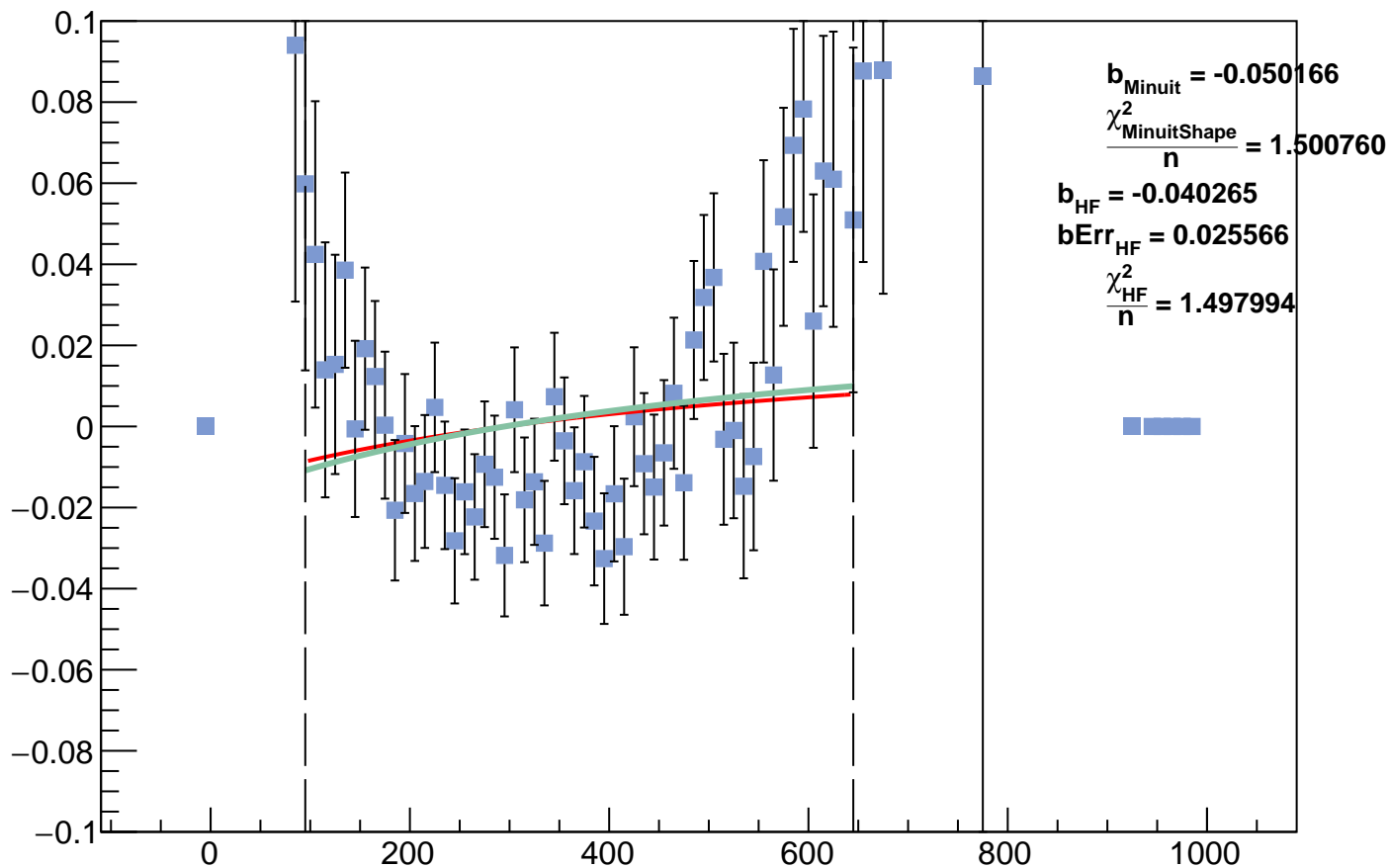
Shape Factor for Octet 88, type0

$b_{Minuit} = 0.031316$

$\dfrac{\chi^2_{MinuitShape}}{n} = 2.776917$

$b_{HF} = 0.025656$

$bErr_{HF} = 0.023840$

$\dfrac{\chi^2_{HF}}{n} = 2.775872$
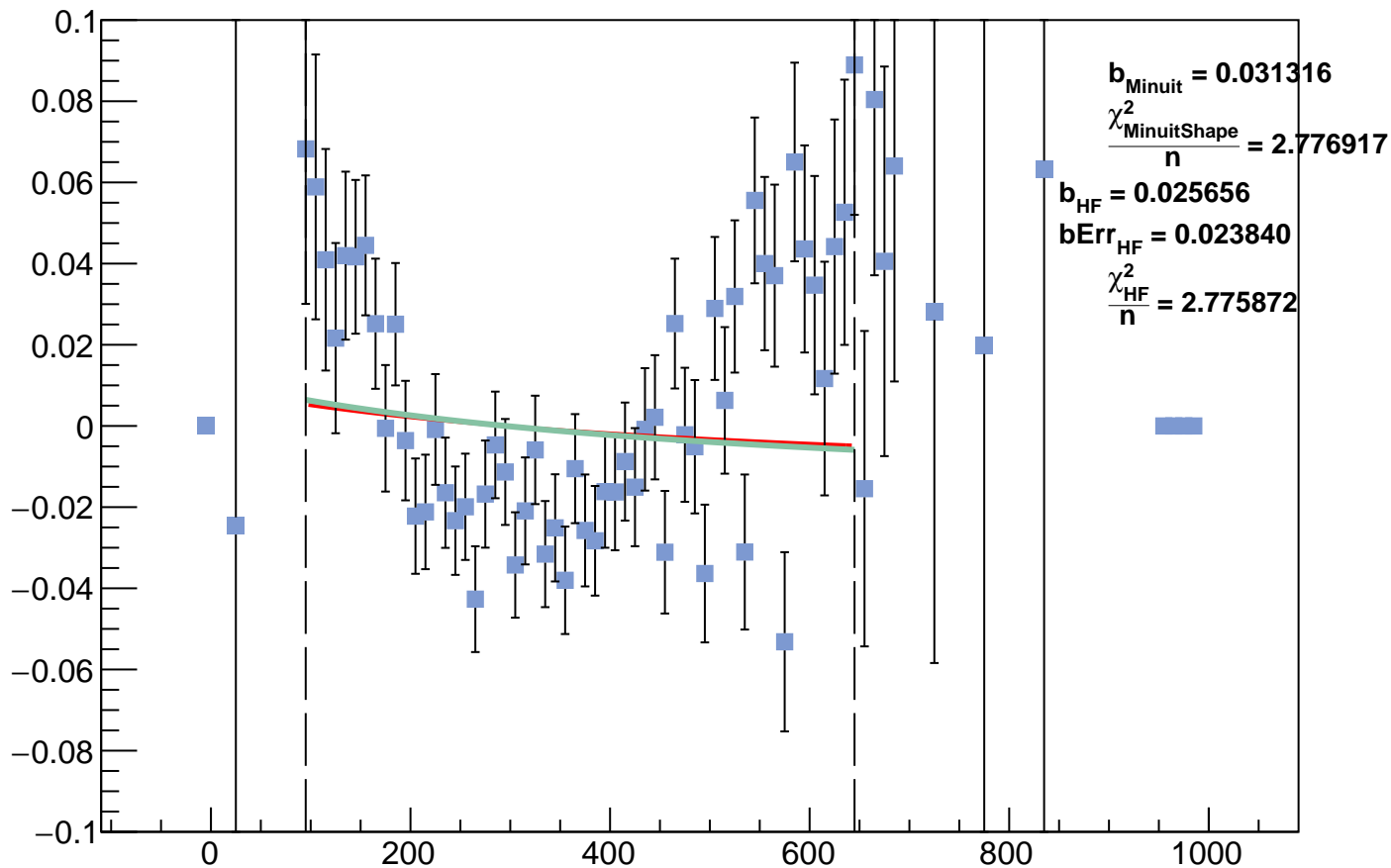
Shape Factor for Octet 89, type0

$b_{Minuit} = 0.074464$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.303553$

$b_{HF} = 0.060900$

$bErr_{HF} = 0.025053$

$\dfrac{\chi^2_{HF}}{n} = 1.298298$
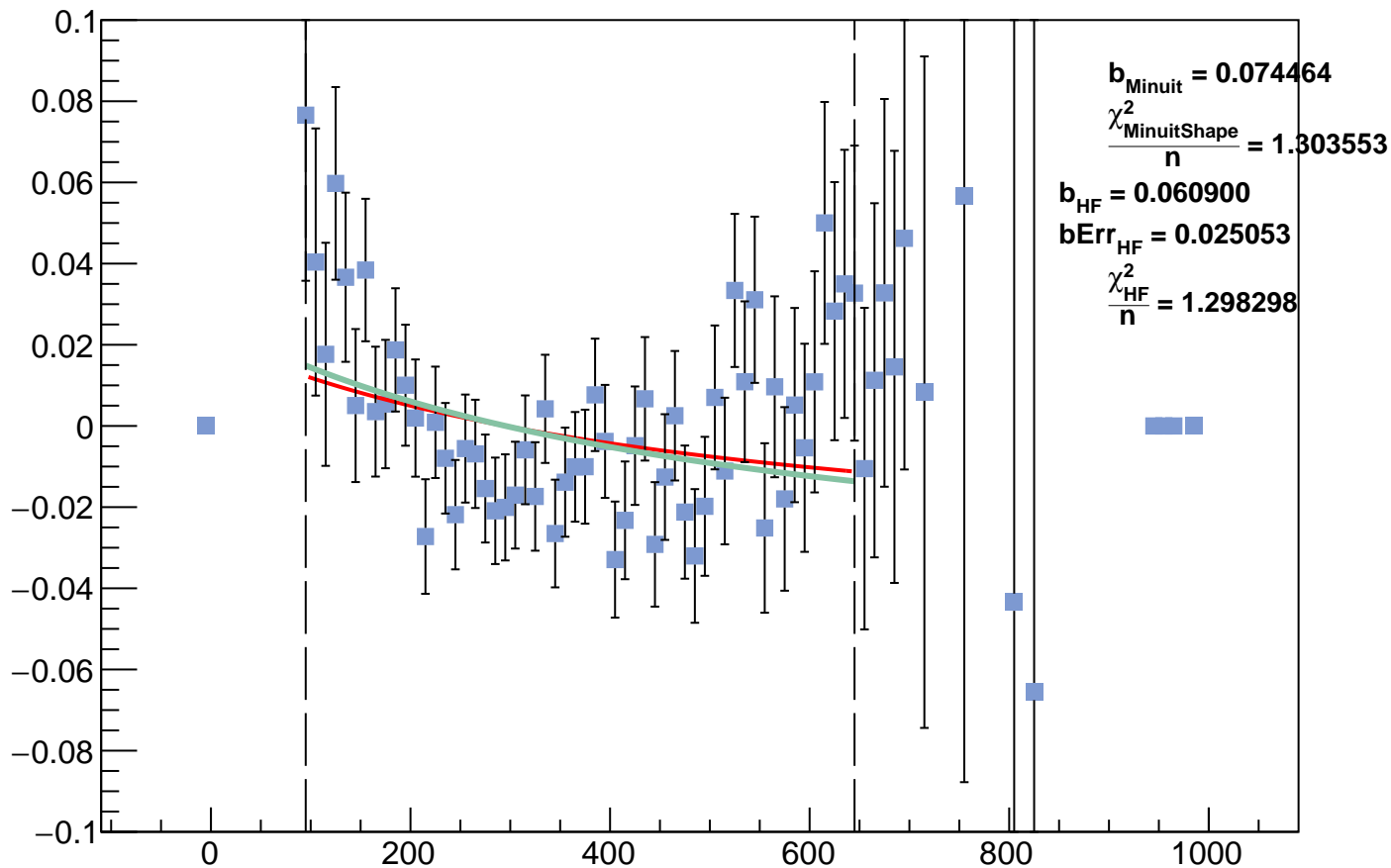
Shape Factor for Octet 90, type0

$b_{Minuit} = 0.025327$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.916750$

$b_{HF} = 0.024897$

$bErr_{HF} = 0.025310$

$\dfrac{\chi^2_{HF}}{n} = 1.916742$
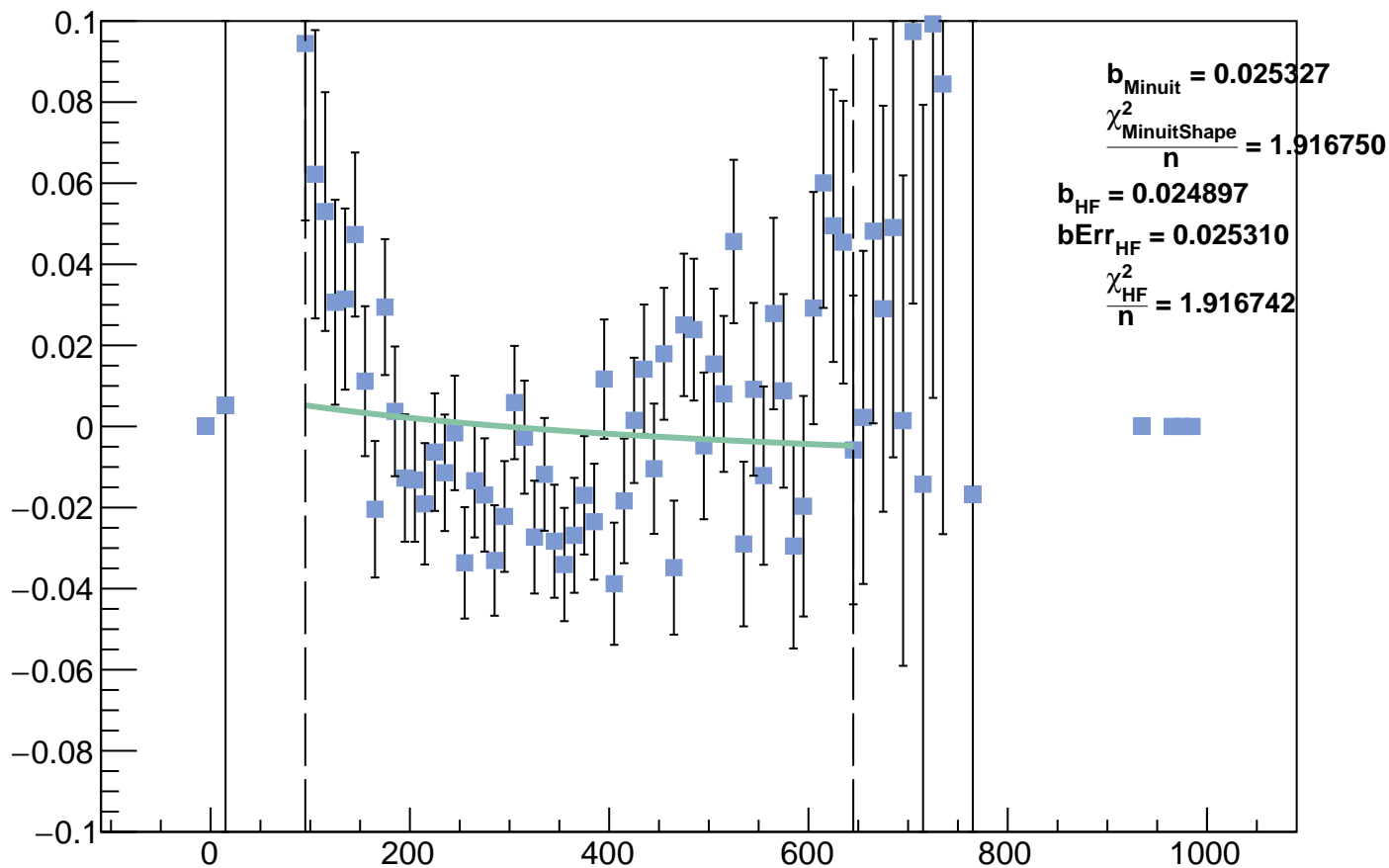
Shape Factor for Octet 92, type0

$b_{Minuit} = 0.011418$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.425426$

$b_{HF} = 0.012949$

$bErr_{HF} = 0.033039$

$\dfrac{\chi^2_{HF}}{n} = 1.425389$
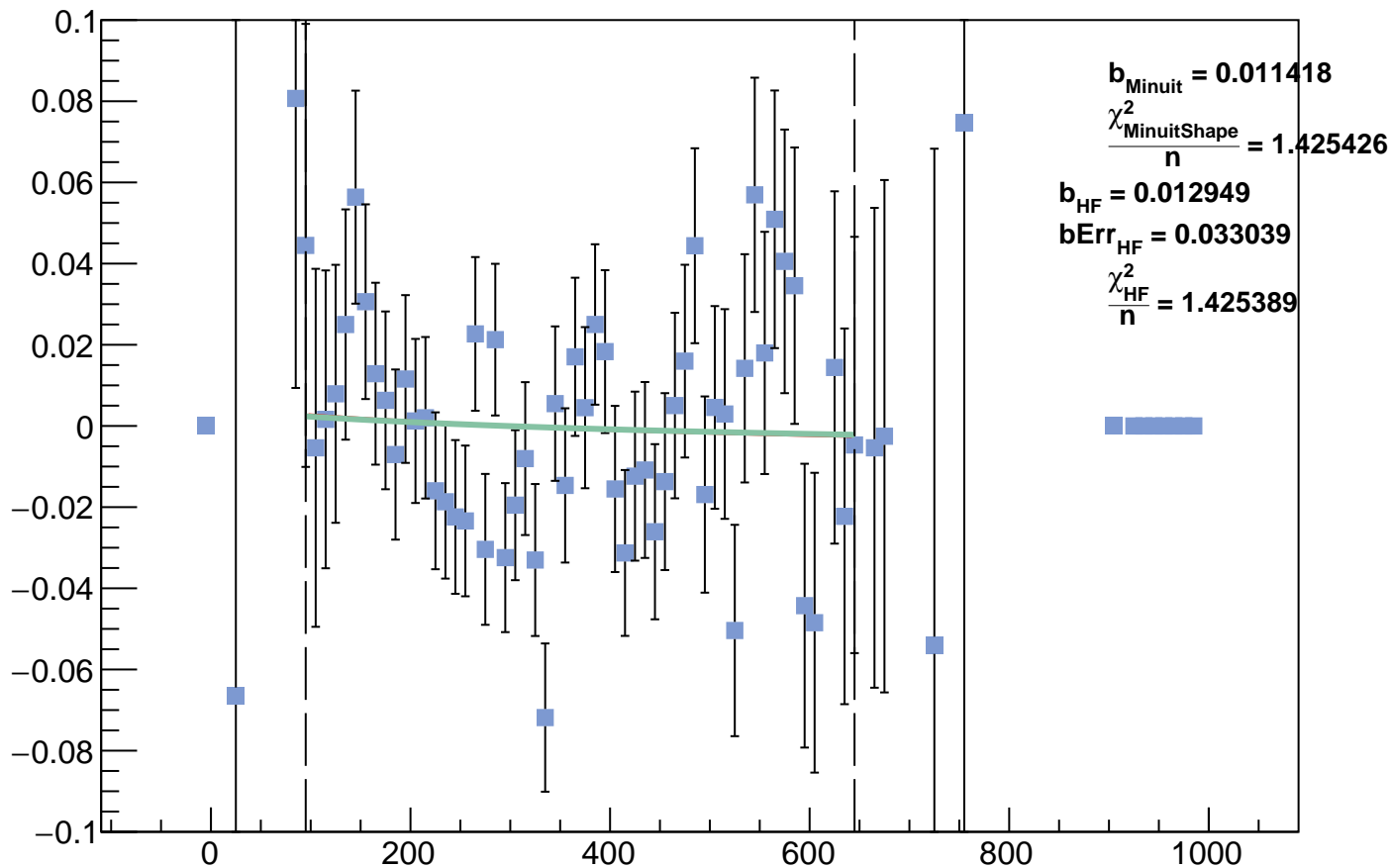
Shape Factor for Octet 94, type0

$b_{Minuit} = -0.094980$

$\frac{\chi^2_{MinuitShape}}{n} = 1.910266$

$b_{HF} = -0.078862$

$bErr_{HF} = 0.026802$

$\frac{\chi^2_{HF}}{n} = 1.903455$
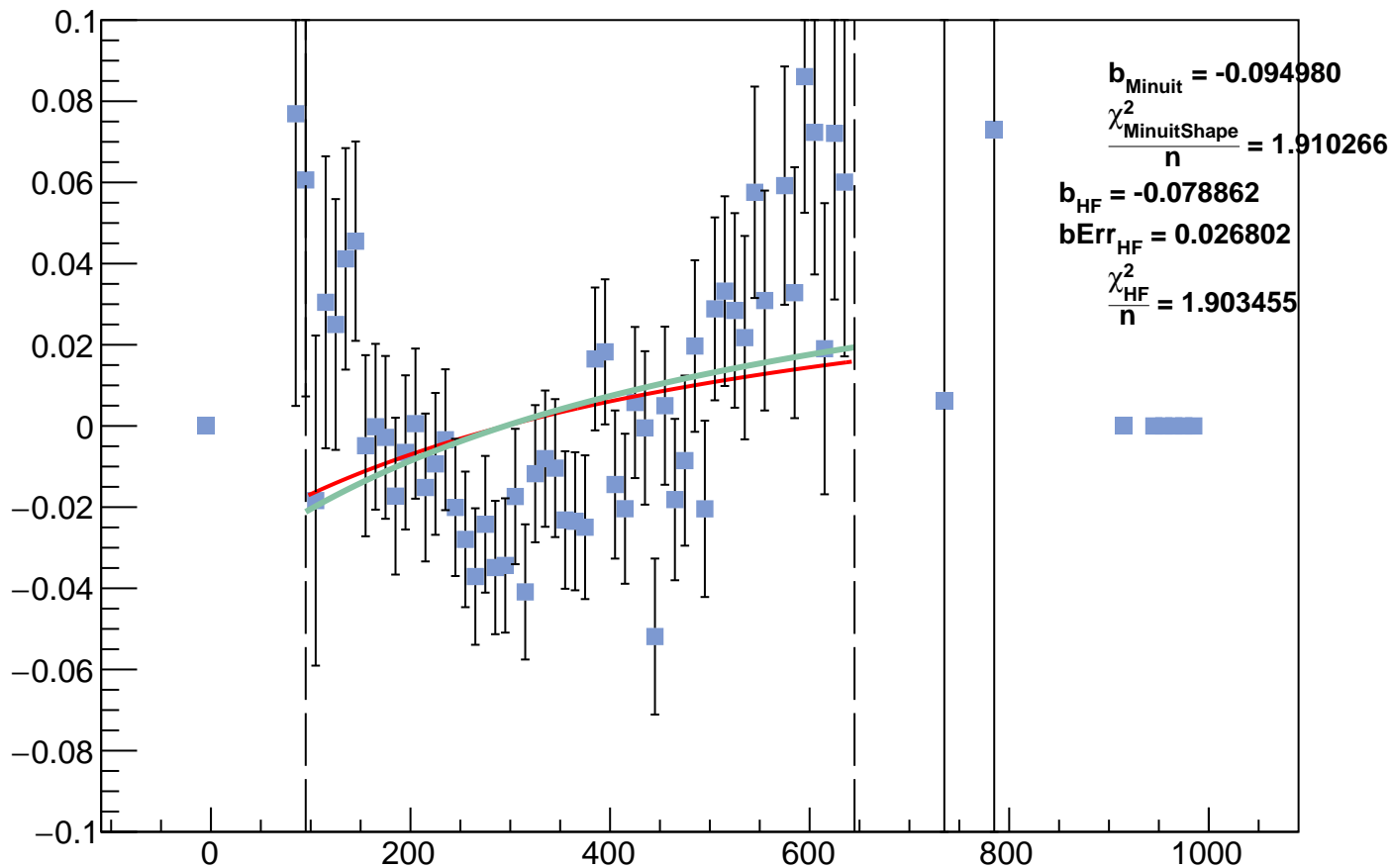
Shape Factor for Octet 95, type0

$b_{Minuit} = -0.253691$

$\dfrac{\chi^2_{MinuitShape}}{n} = 2.285152$

$b_{HF} = -0.212462$

$bErr_{HF} = 0.025322$

$\dfrac{\chi^2_{HF}}{n} = 2.232776$
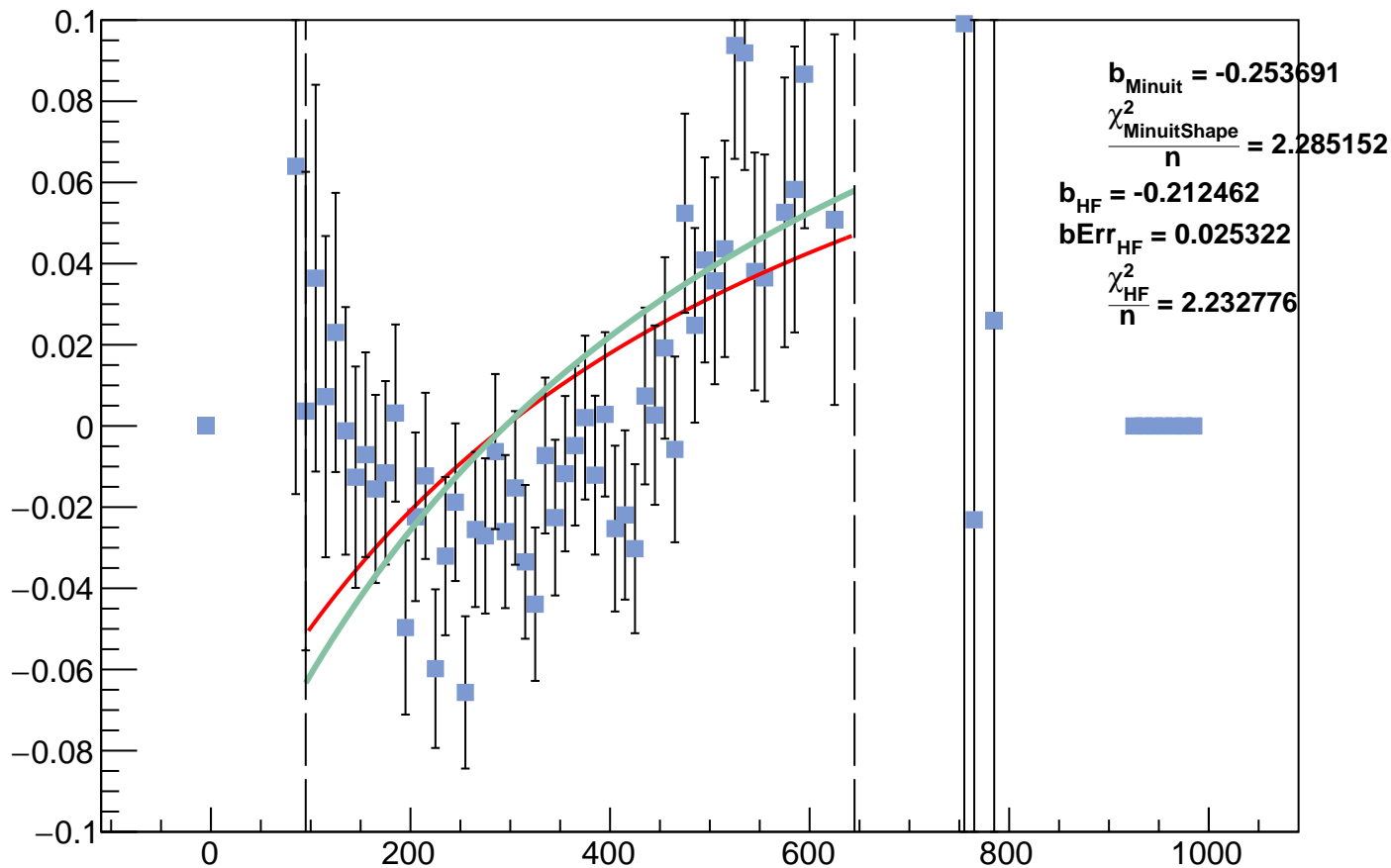
Shape Factor for Octet 96, type0

$b_{Minuit} = 0.000097$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.909942$

$b_{HF} = 0.002437$

$bErr_{HF} = 0.024416$

$\dfrac{\chi^2_{HF}}{n} = 1.909776$
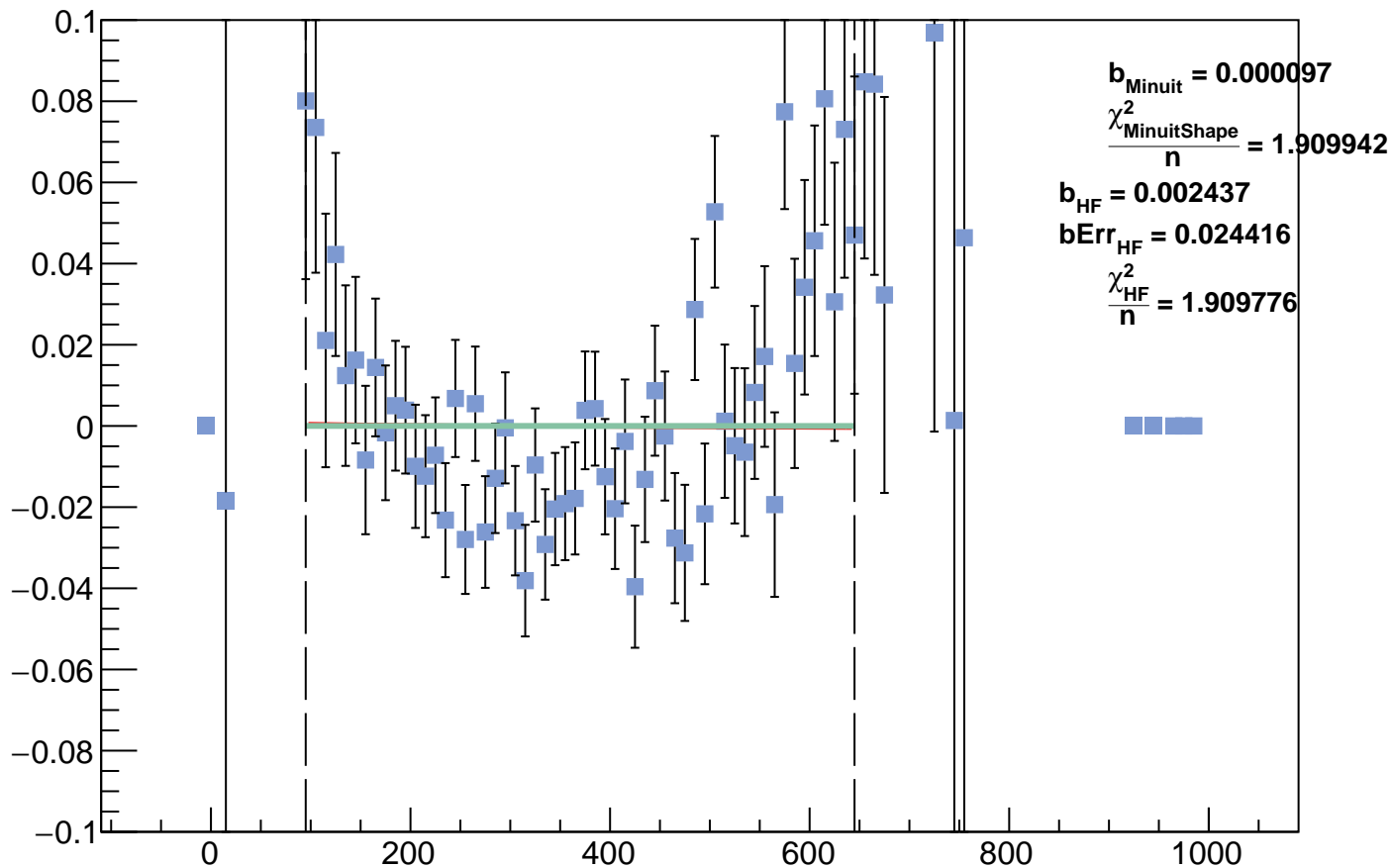
Shape Factor for Octet 97, type0

$b_{\text{Minuit}} = 0.300121$

$\dfrac{\chi^2_{\text{MinuitShape}}}{n} = 1.635344$

$b_{\text{HF}} = 0.242655$

$bErr_{\text{HF}} = 0.032558$

$\dfrac{\chi^2_{\text{HF}}}{n} = 1.581382$
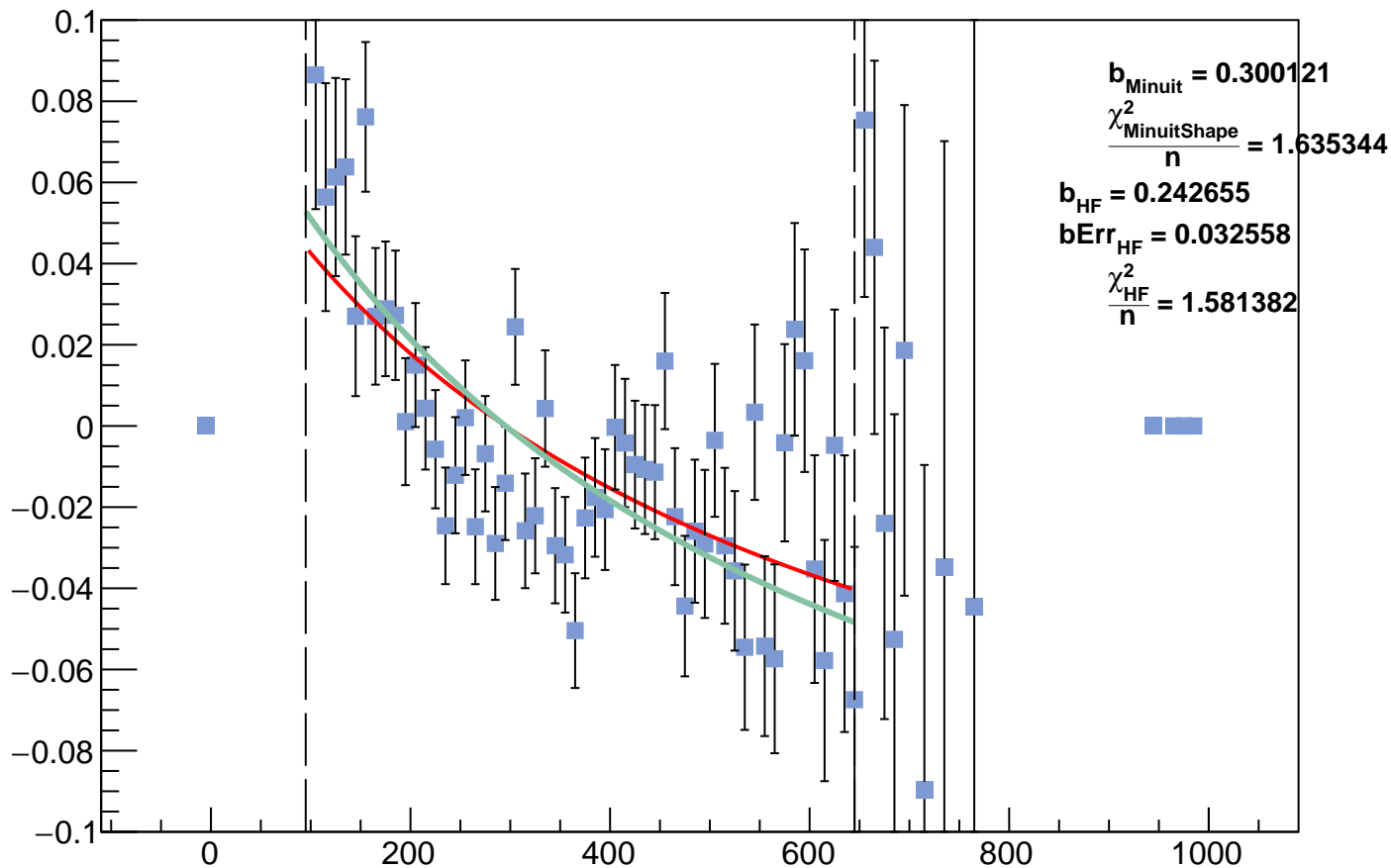
Shape Factor for Octet 98, type0

$b_{Minuit} = 0.135929$

$\frac{\chi^2_{MinuitShape}}{n} = 1.122380$

$b_{HF} = 0.107145$

$bErr_{HF} = 0.027448$

$\frac{\chi^2_{HF}}{n} = 1.103100$
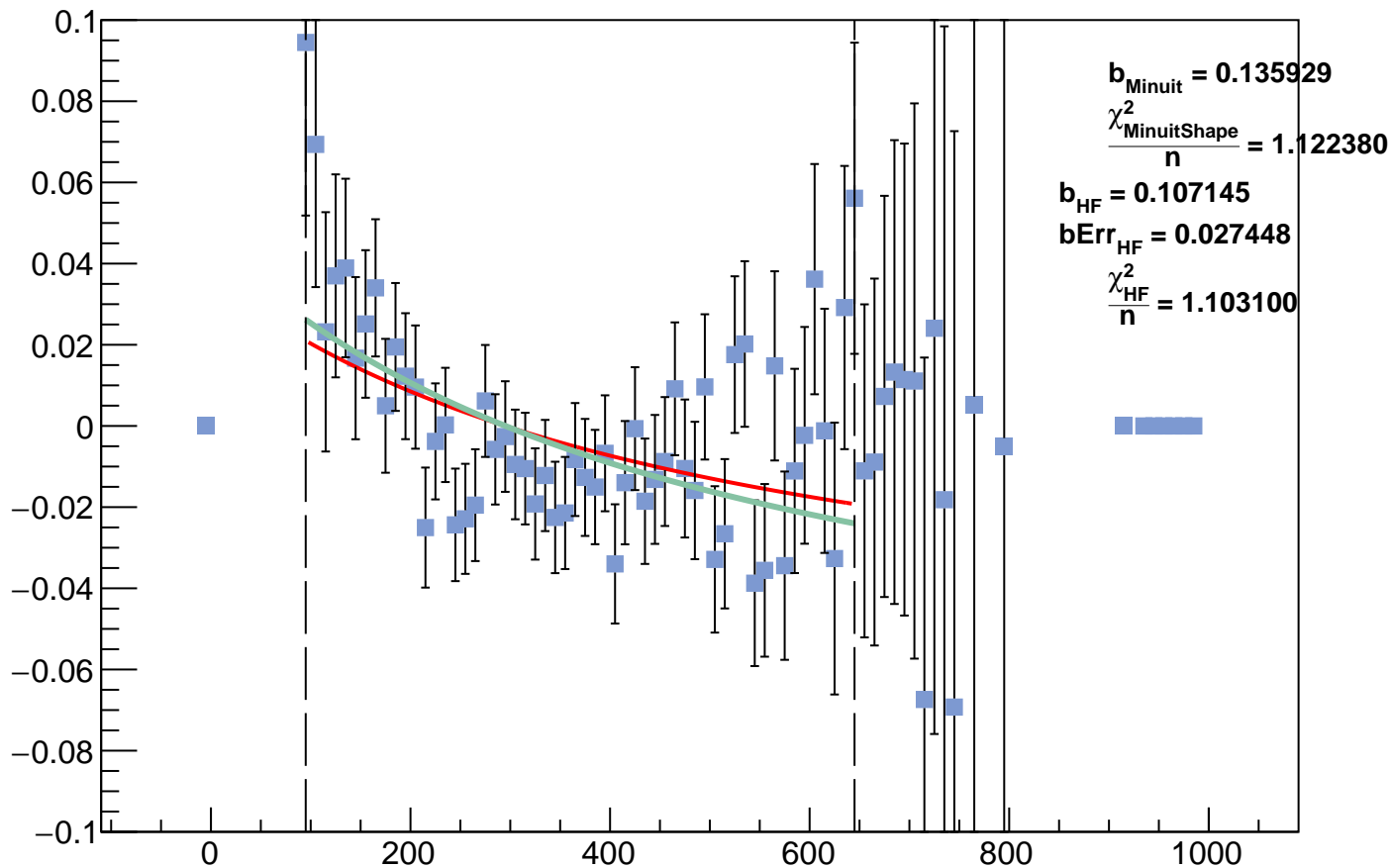
Shape Factor for Octet 99, type0

b_{Minuit} = -0.098625

$\frac{\chi^2_{MinuitShape}}{n}$ = 2.216827

b_{HF} = -0.079585

$bErr_{HF}$ = 0.022418

$\frac{\chi^2_{HF}}{n}$ = 2.203194
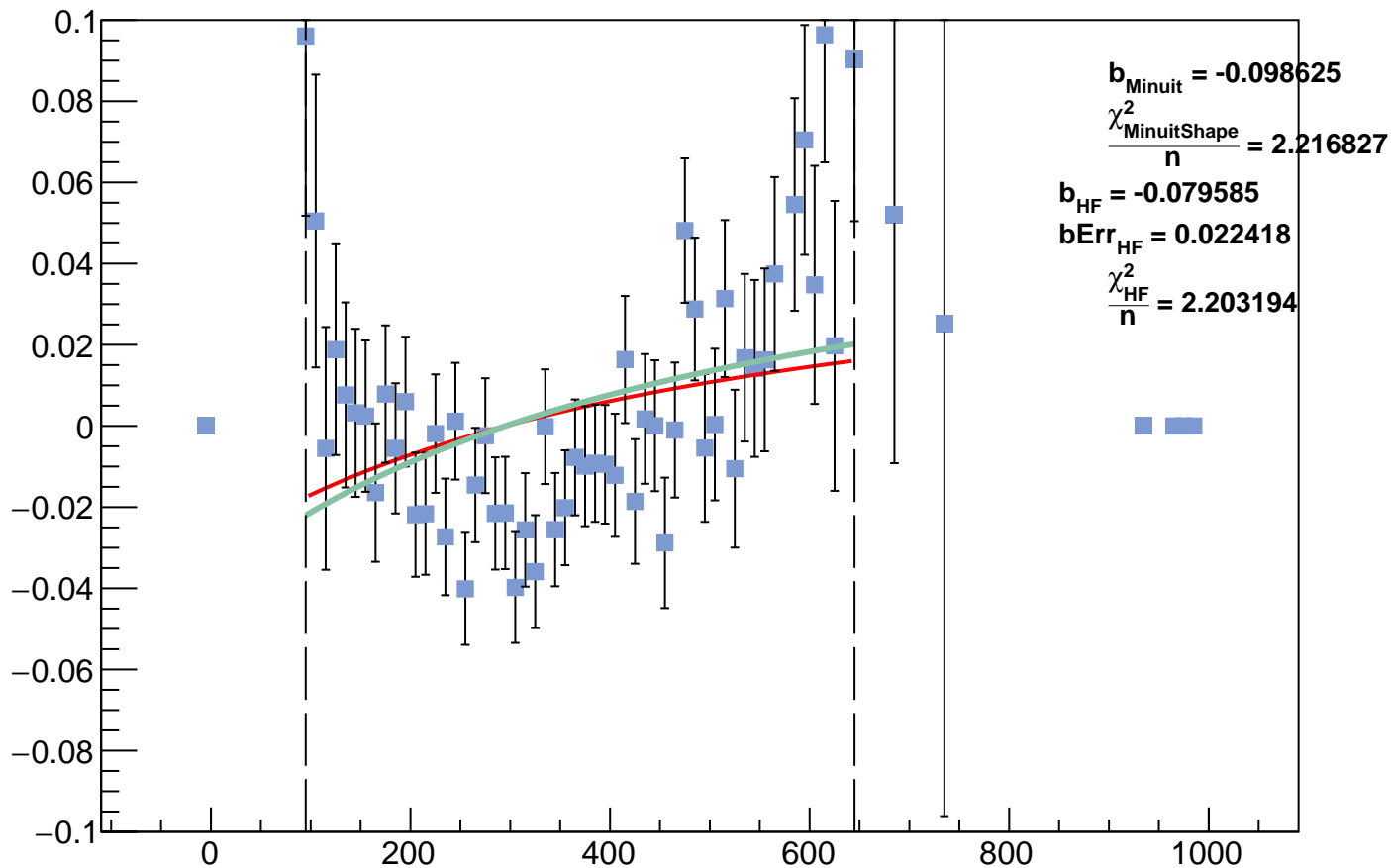
Shape Factor for Octet 100, type0

$b_{Minuit} = -0.048559$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.793440$

$b_{HF} = -0.039899$

$bErr_{HF} = 0.025089$

$\dfrac{\chi^2_{HF}}{n} = 1.791222$
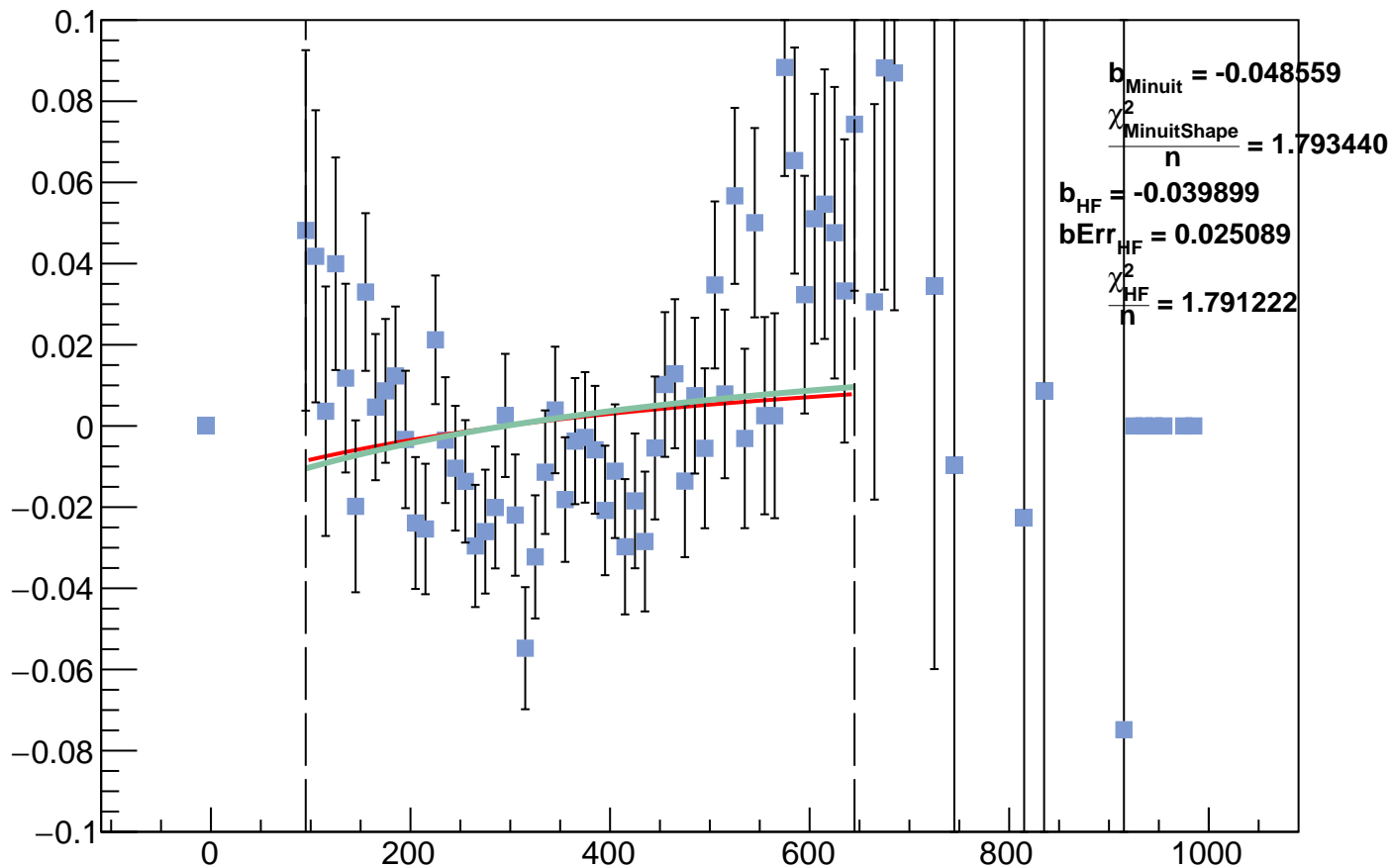
Shape Factor for Octet 102, type0

$b_{Minuit} = -0.024552$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.391070$

$b_{HF} = -0.015415$

$bErr_{HF} = 0.028621$

$\dfrac{\chi^2_{HF}}{n} = 1.389215$
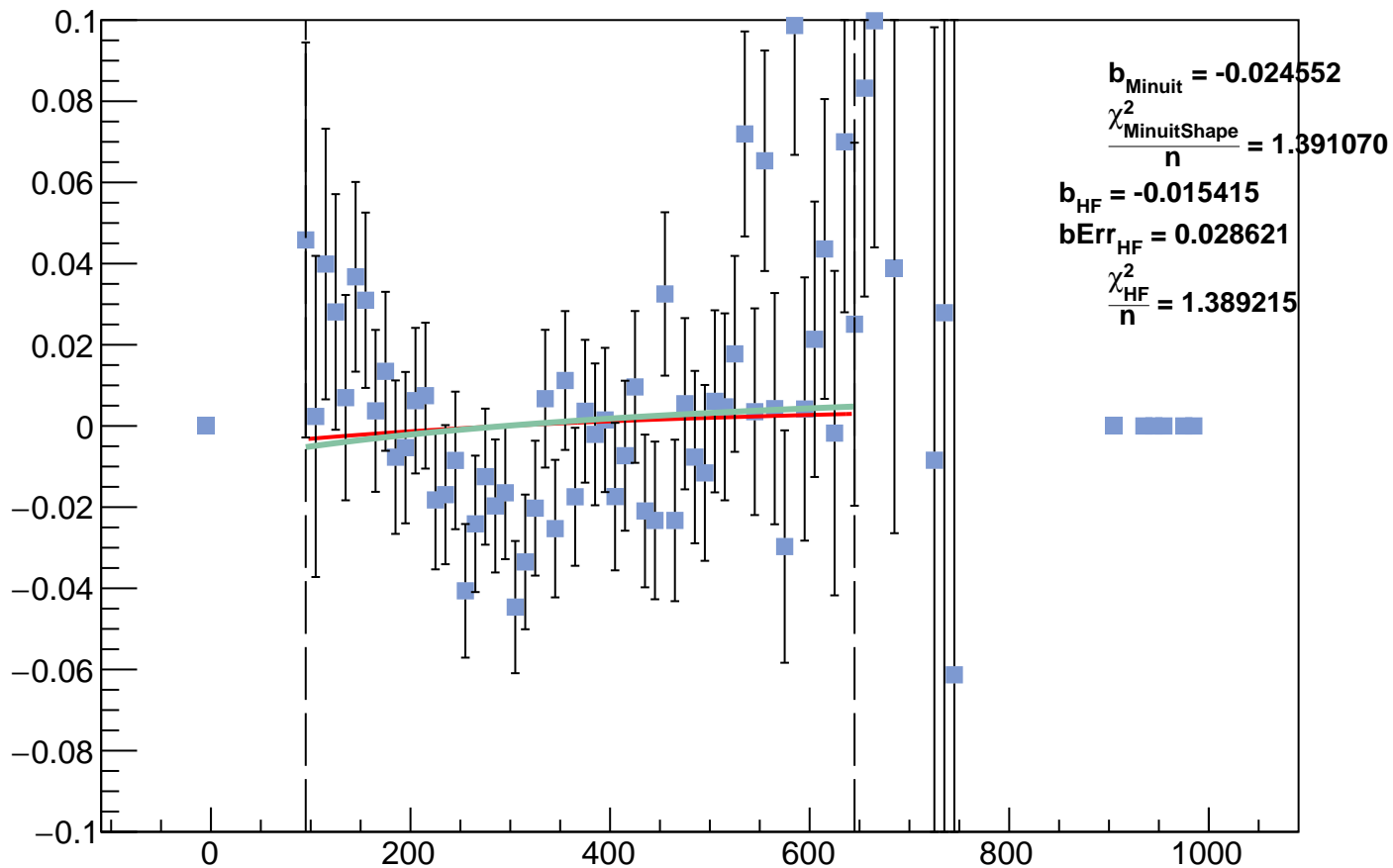
Shape Factor for Octet 103, type0

$b_{Minuit} = 0.098544$

$\dfrac{\chi^2_{MinuitShape}}{n} = 0.930317$

$b_{HF} = 0.083887$

$bErr_{HF} = 0.032413$

$\dfrac{\chi^2_{HF}}{n} = 0.926646$
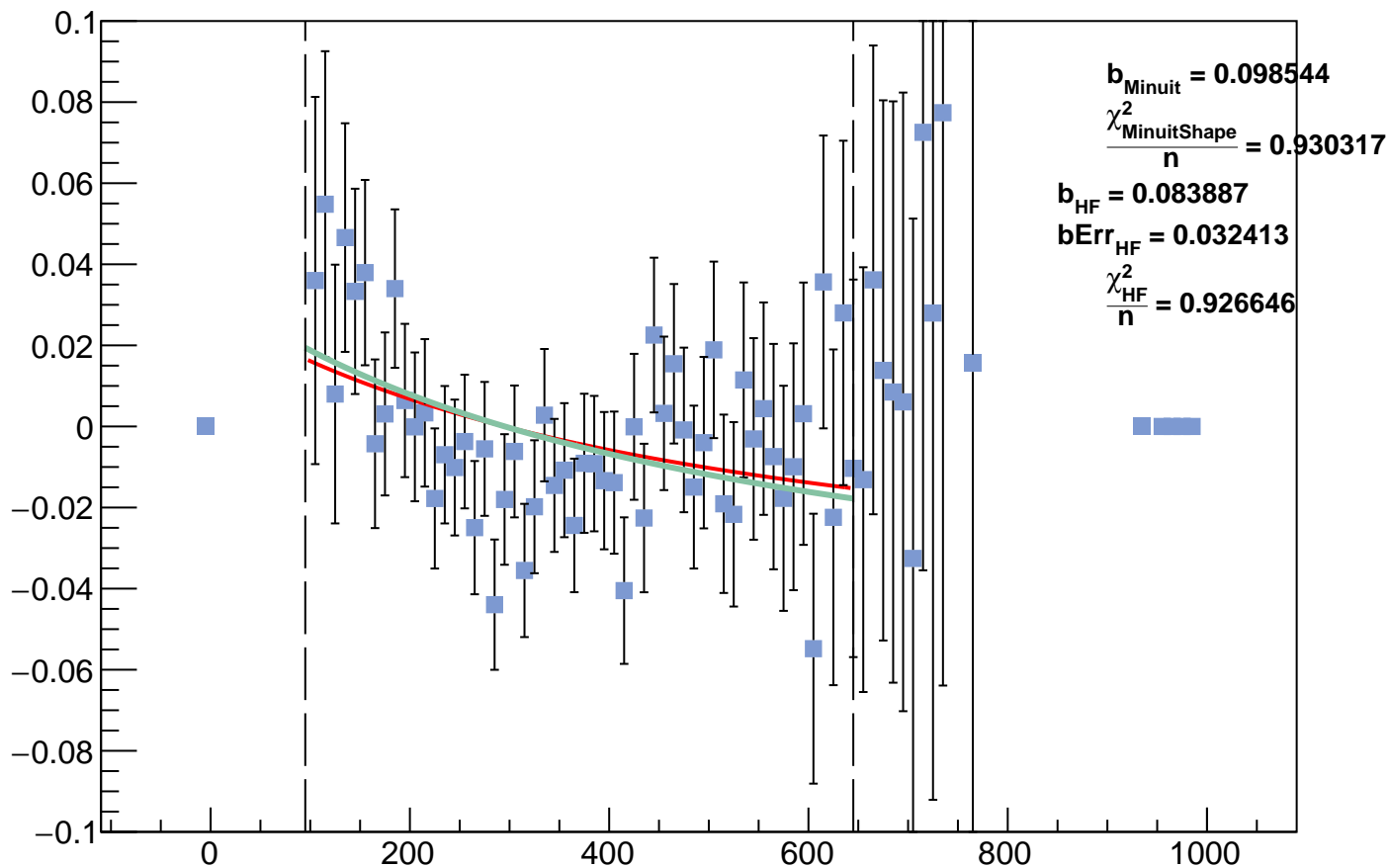
Shape Factor for Octet 104, type0

$b_{Minuit} = 0.121180$

$\frac{\chi^2_{MinuitShape}}{n} = 1.569402$

$b_{HF} = 0.101978$

$bErr_{HF} = 0.025530$

$\frac{\chi^2_{HF}}{n} = 1.559189$
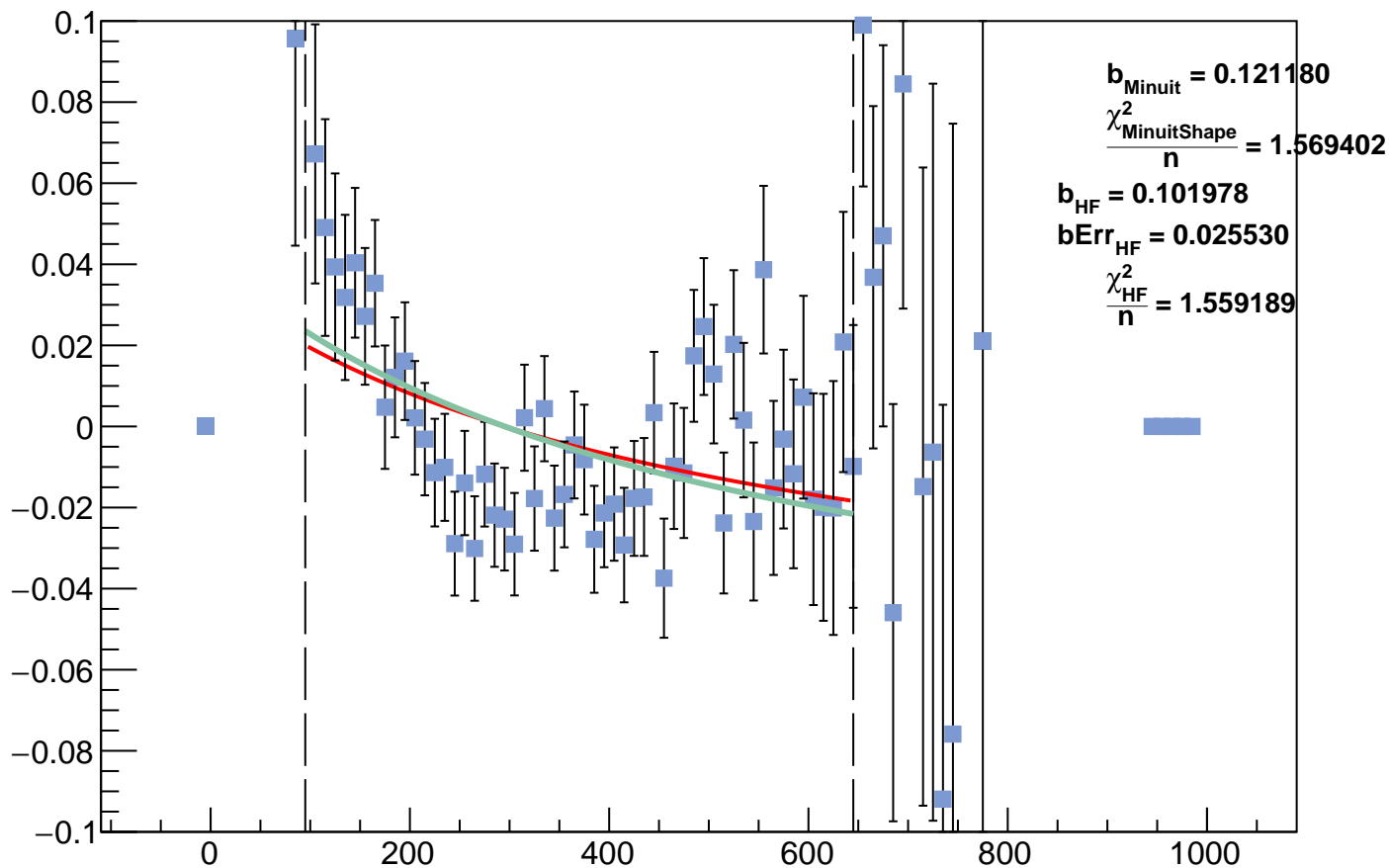
Shape Factor for Octet 105, type0

$b_{Minuit} = 0.147136$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.370017$

$b_{HF} = 0.126053$

$bErr_{HF} = 0.027429$

$\dfrac{\chi^2_{HF}}{n} = 1.359322$
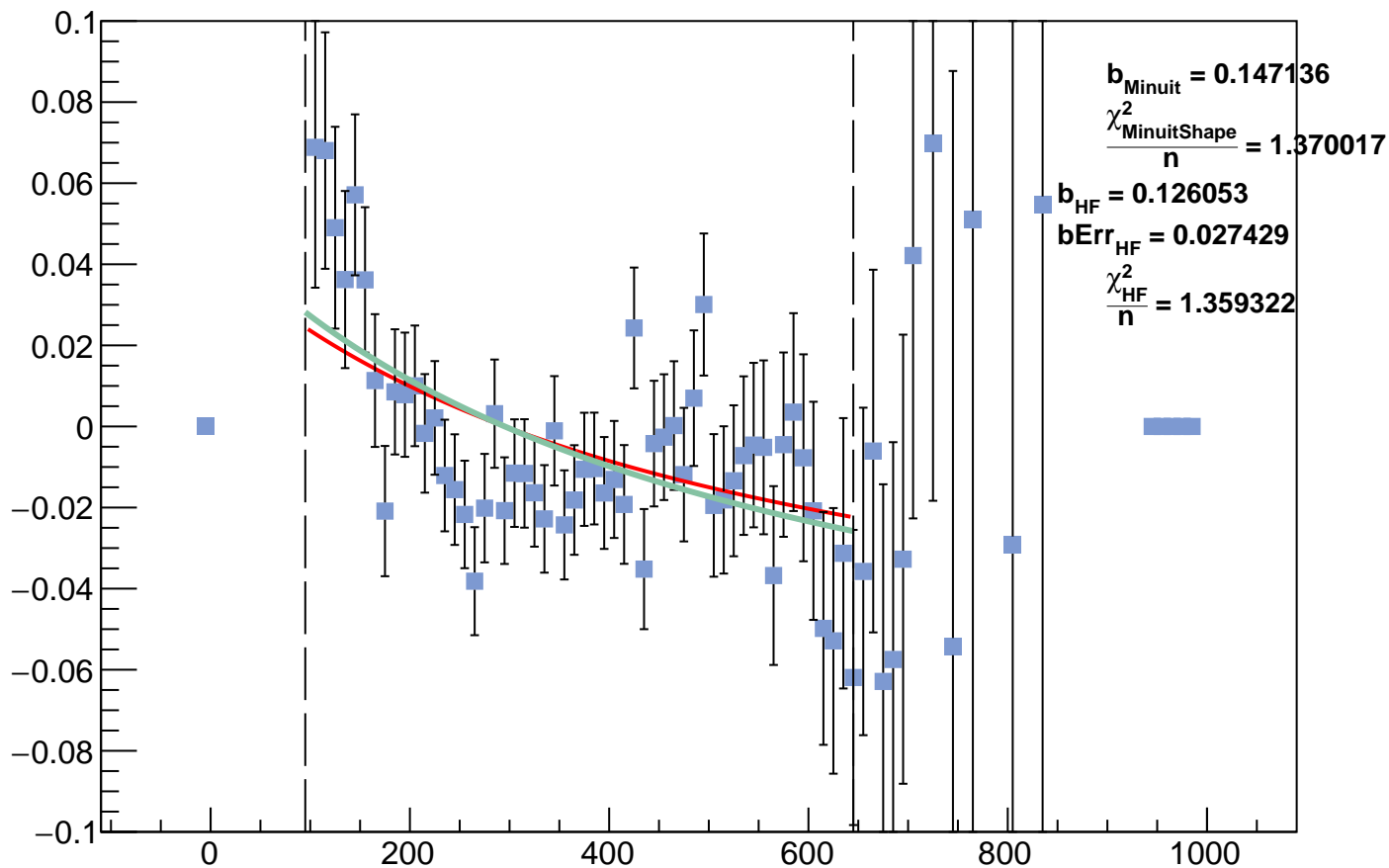
Shape Factor for Octet 106, type0

$b_{Minuit} = 0.311218$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.466956$

$b_{HF} = 0.248757$

$bErr_{HF} = 0.032208$

$\dfrac{\chi^2_{HF}}{n} = 1.402563$
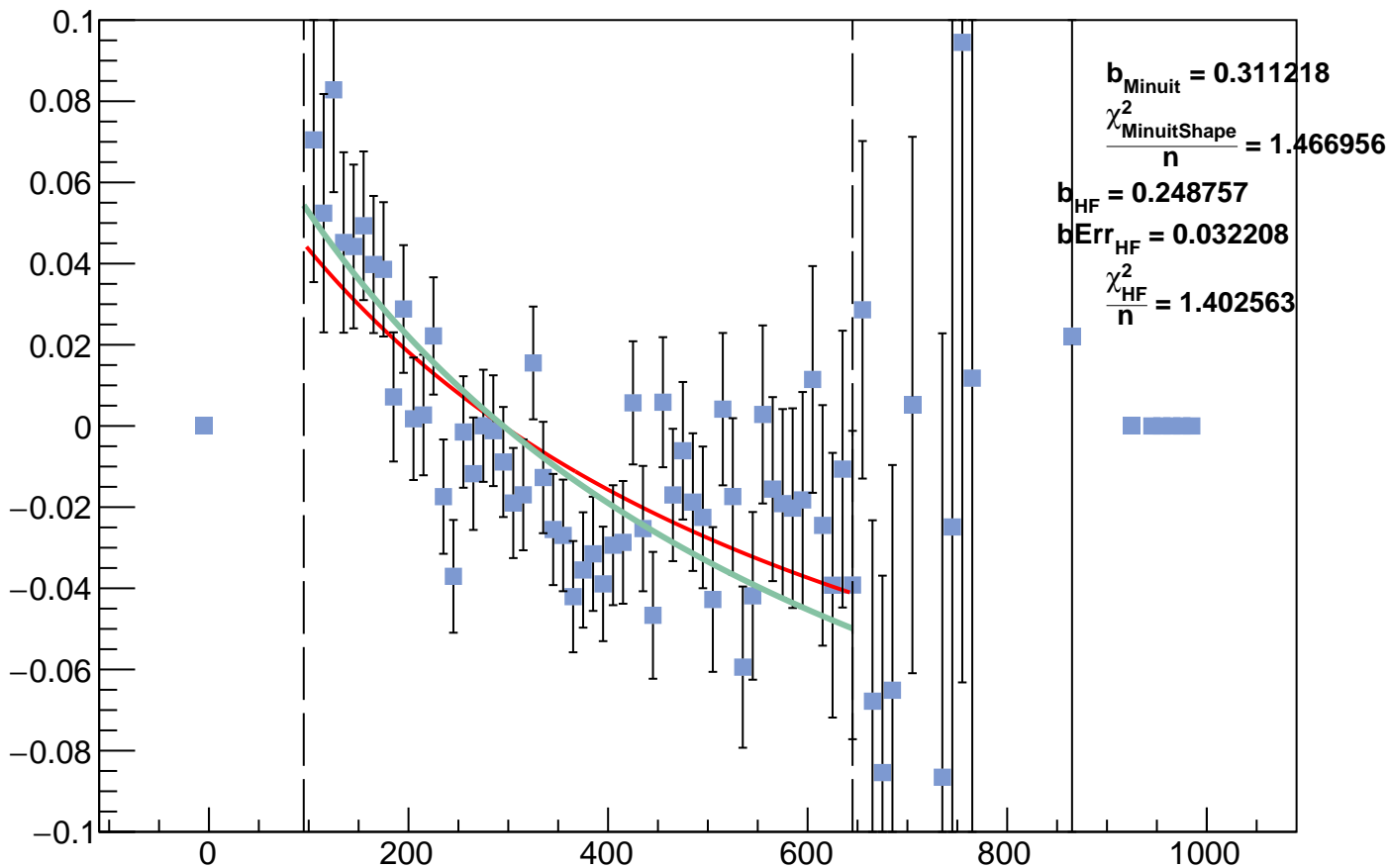
Shape Factor for Octet 108, type0

$b_{\text{Minuit}} = 0.135403$

$\dfrac{\chi^2_{\text{MinuitShape}}}{n} = 1.353399$

$b_{\text{HF}} = 0.111607$

$bErr_{\text{HF}} = 0.029161$

$\dfrac{\chi^2_{\text{HF}}}{n} = 1.341468$
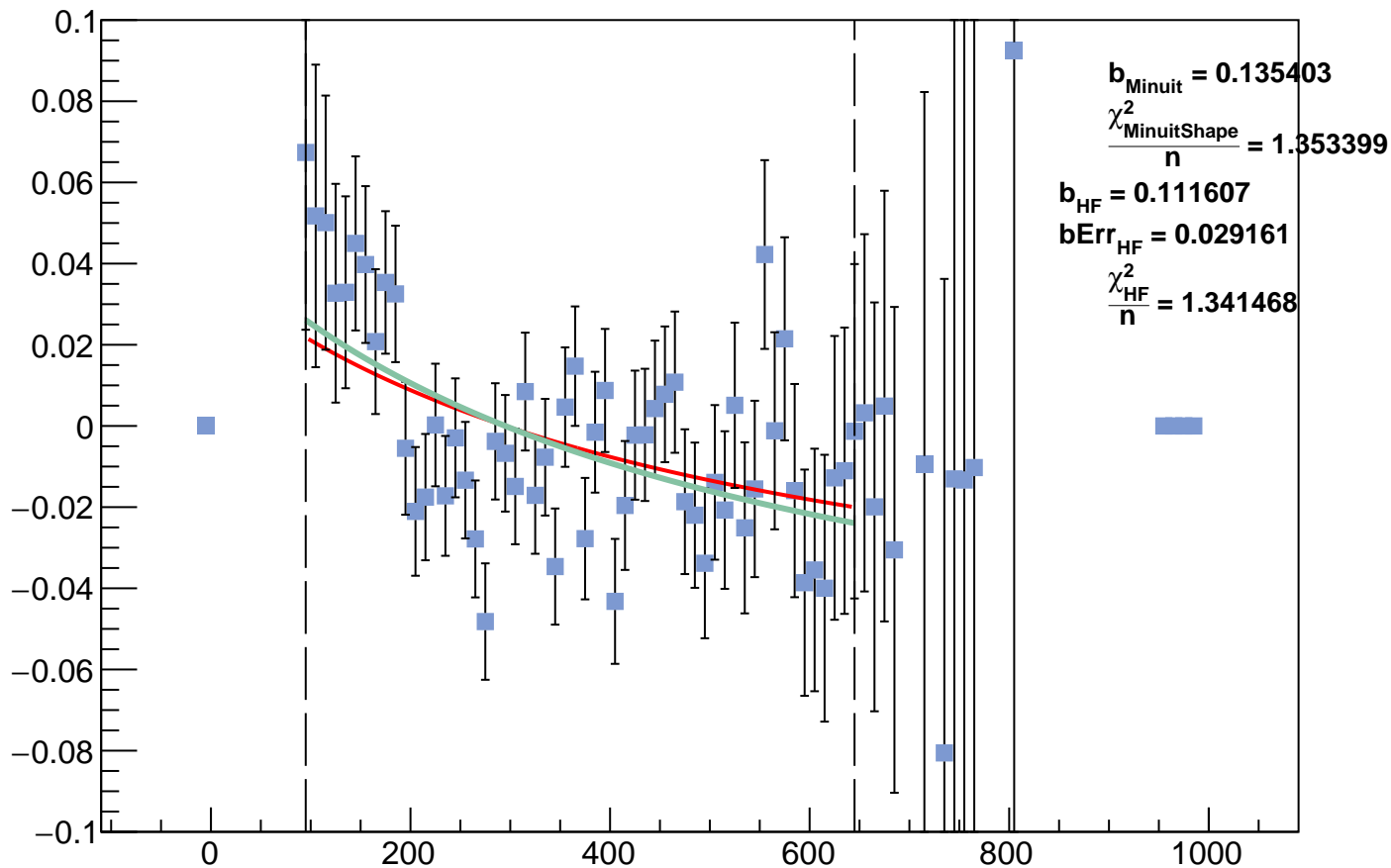
Shape Factor for Octet 109, type0

$b_{Minuit} = 0.010925$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.456162$

$b_{HF} = 0.006483$

$bErr_{HF} = 0.030923$

$\dfrac{\chi^2_{HF}}{n} = 1.455792$
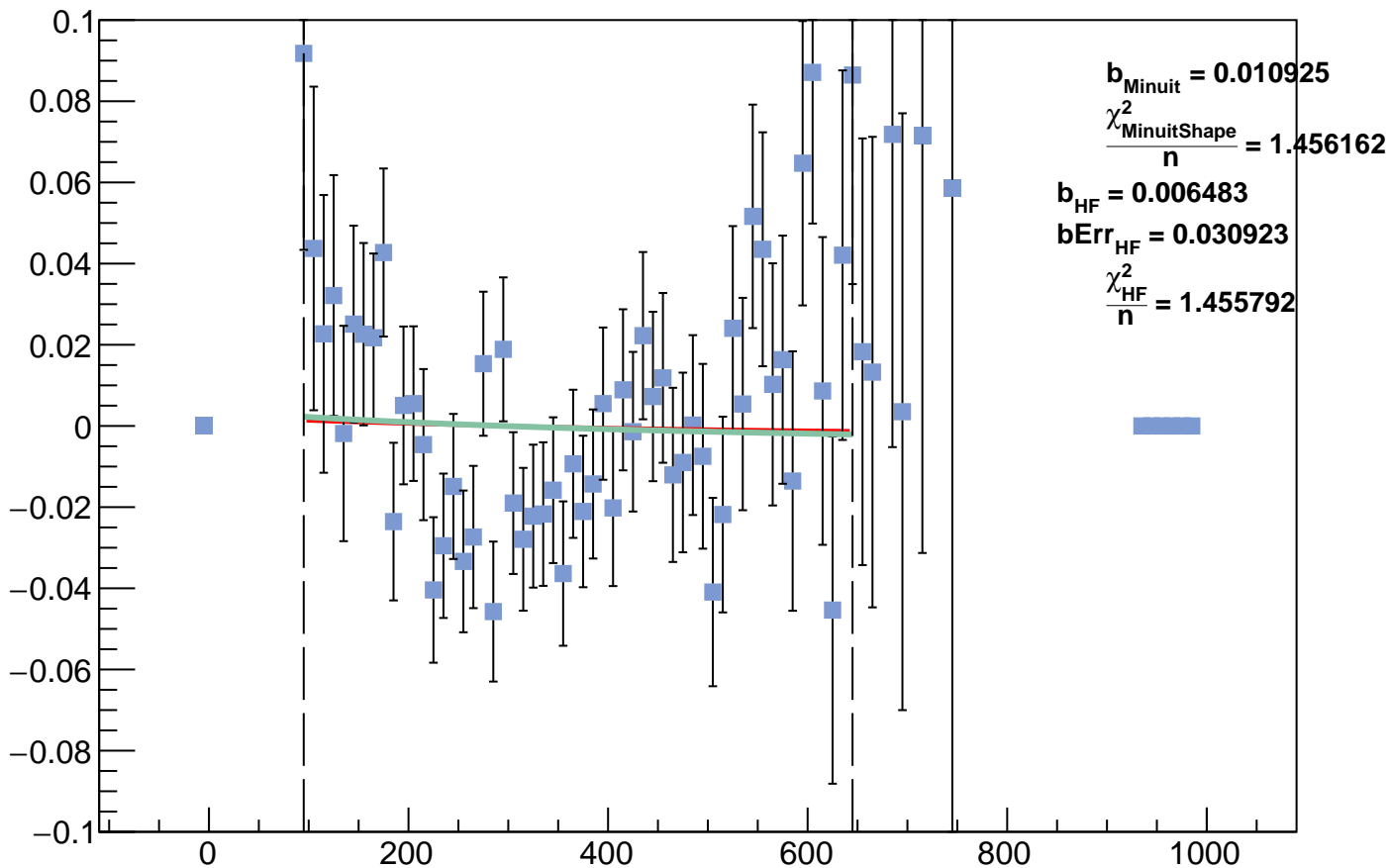
Shape Factor for Octet 110, type0

$b_{Minuit} = 0.186109$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.200638$

$b_{HF} = 0.158087$

$bErr_{HF} = 0.032791$

$\dfrac{\chi^2_{HF}}{n} = 1.187681$
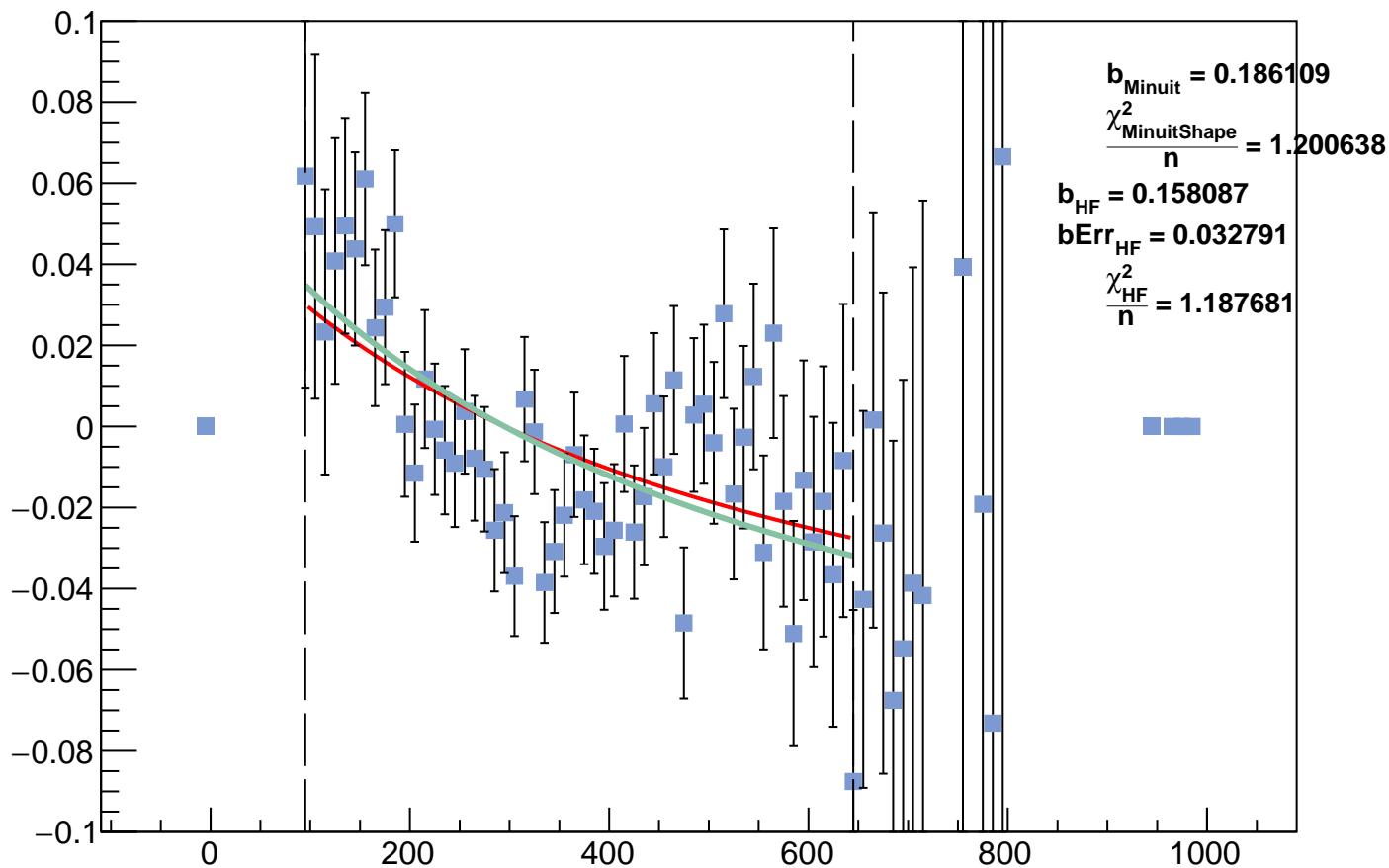
Shape Factor for Octet 111, type0

$b_{Minuit} = 0.045471$

$\dfrac{\chi^2_{MinuitShape}}{n} = 2.481295$

$b_{HF} = 0.039008$

$bErr_{HF} = 0.027109$

$\dfrac{\chi^2_{HF}}{n} = 2.480234$
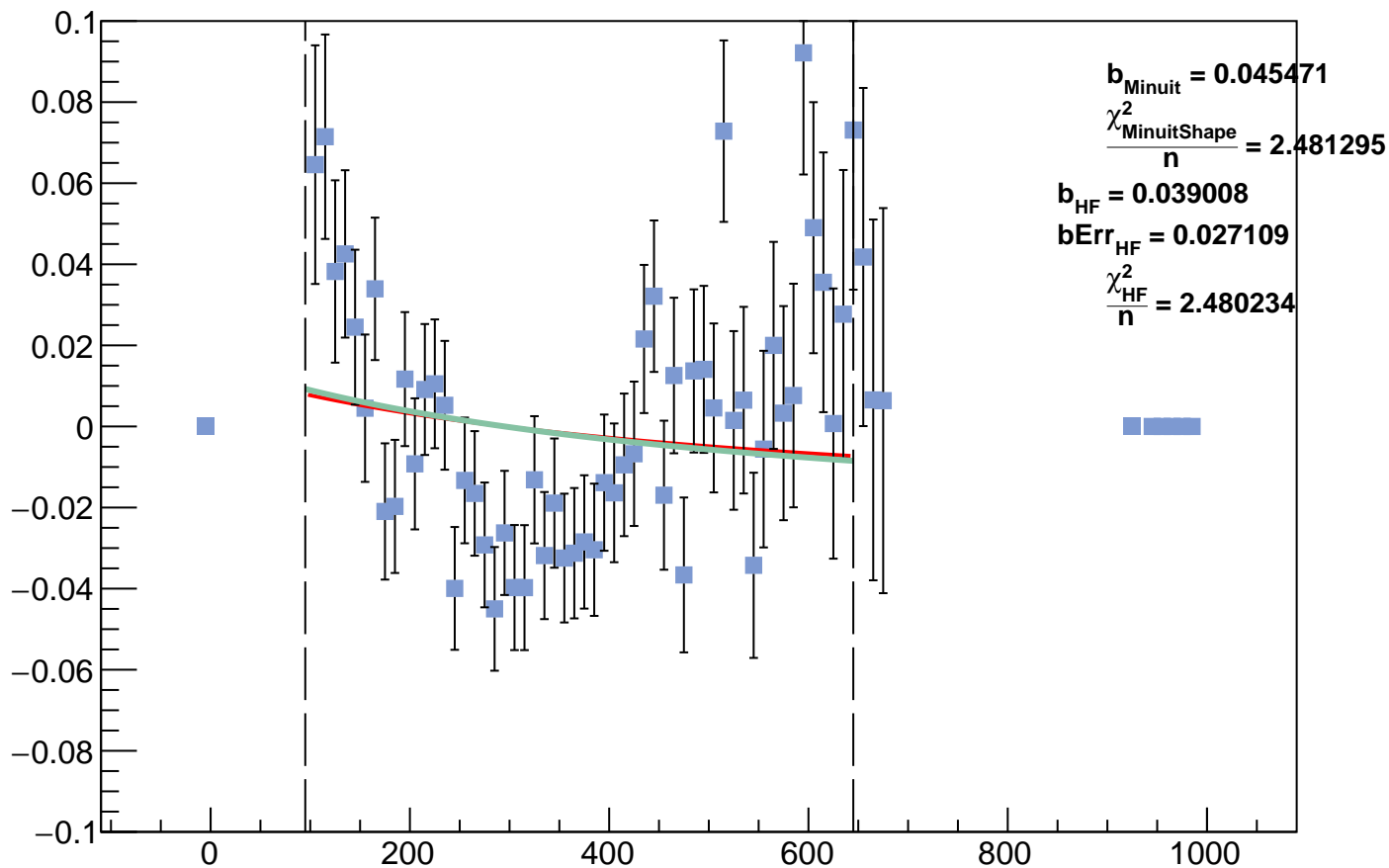
Shape Factor for Octet 112, type0

$b_{Minuit} = 0.077674$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.250149$

$b_{HF} = 0.070070$

$bErr_{HF} = 0.030276$

$\dfrac{\chi^2_{HF}}{n} = 1.249009$
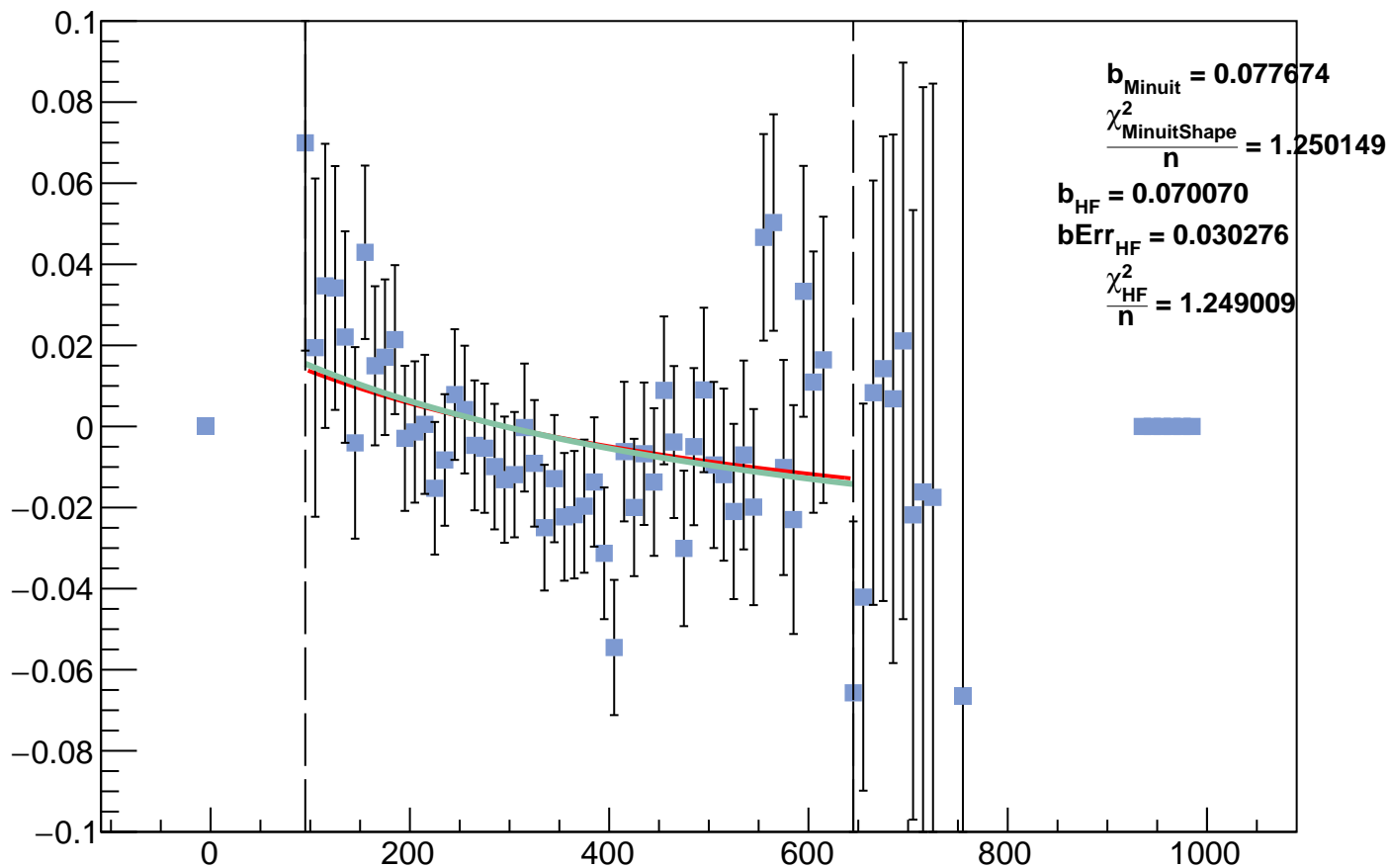
Shape Factor for Octet 113, type0

$b_{Minuit} = 0.236794$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.424128$

$b_{HF} = 0.192258$

$bErr_{HF} = 0.033242$

$\dfrac{\chi^2_{HF}}{n} = 1.392866$
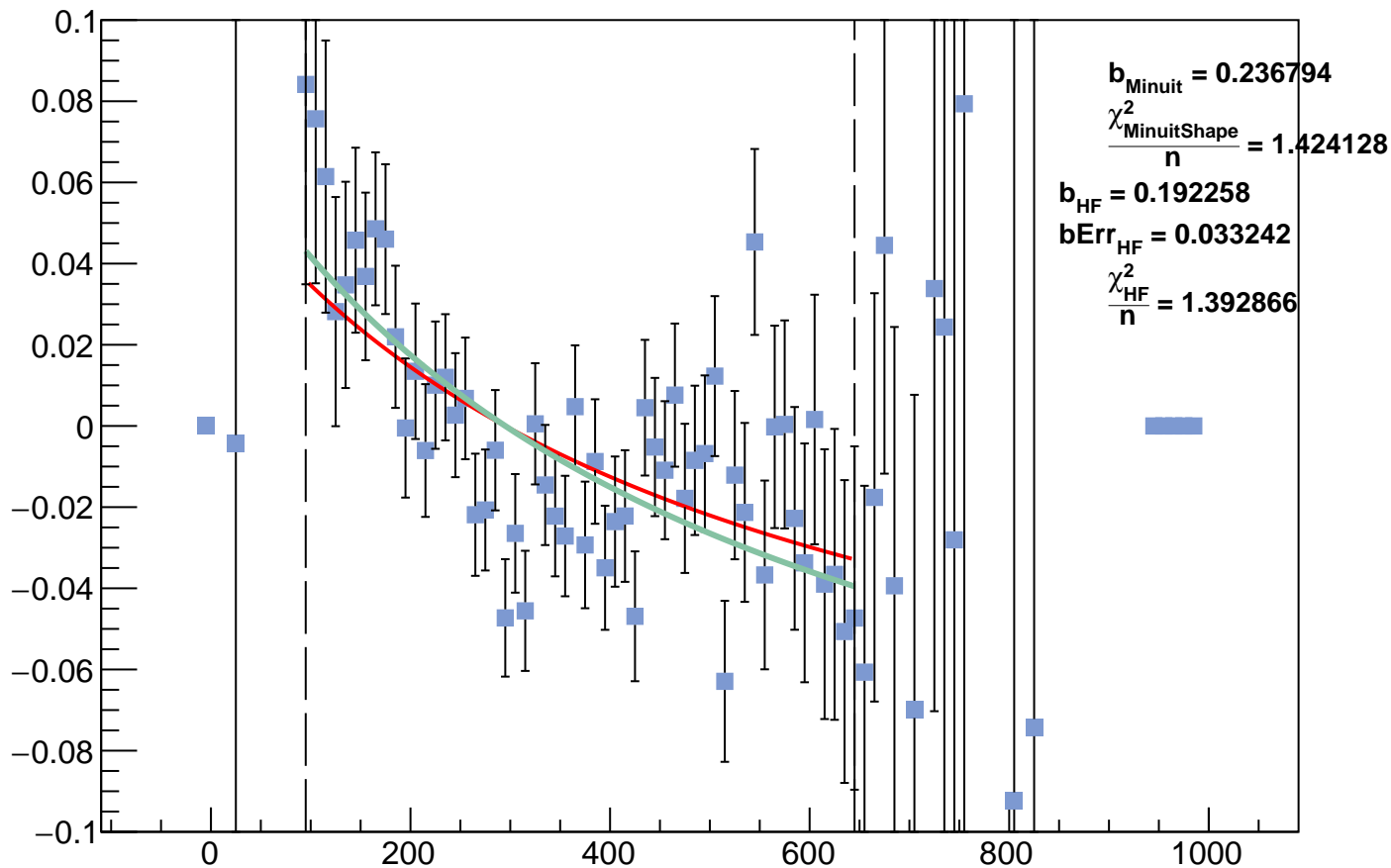
Shape Factor for Octet 114, type0

$b_{Minuit} = 0.214733$

$\dfrac{\chi^2_{MinuitShape}}{n} = 0.897942$

$b_{HF} = 0.176044$

$bErr_{HF} = 0.034811$

$\dfrac{\chi^2_{HF}}{n} = 0.876476$
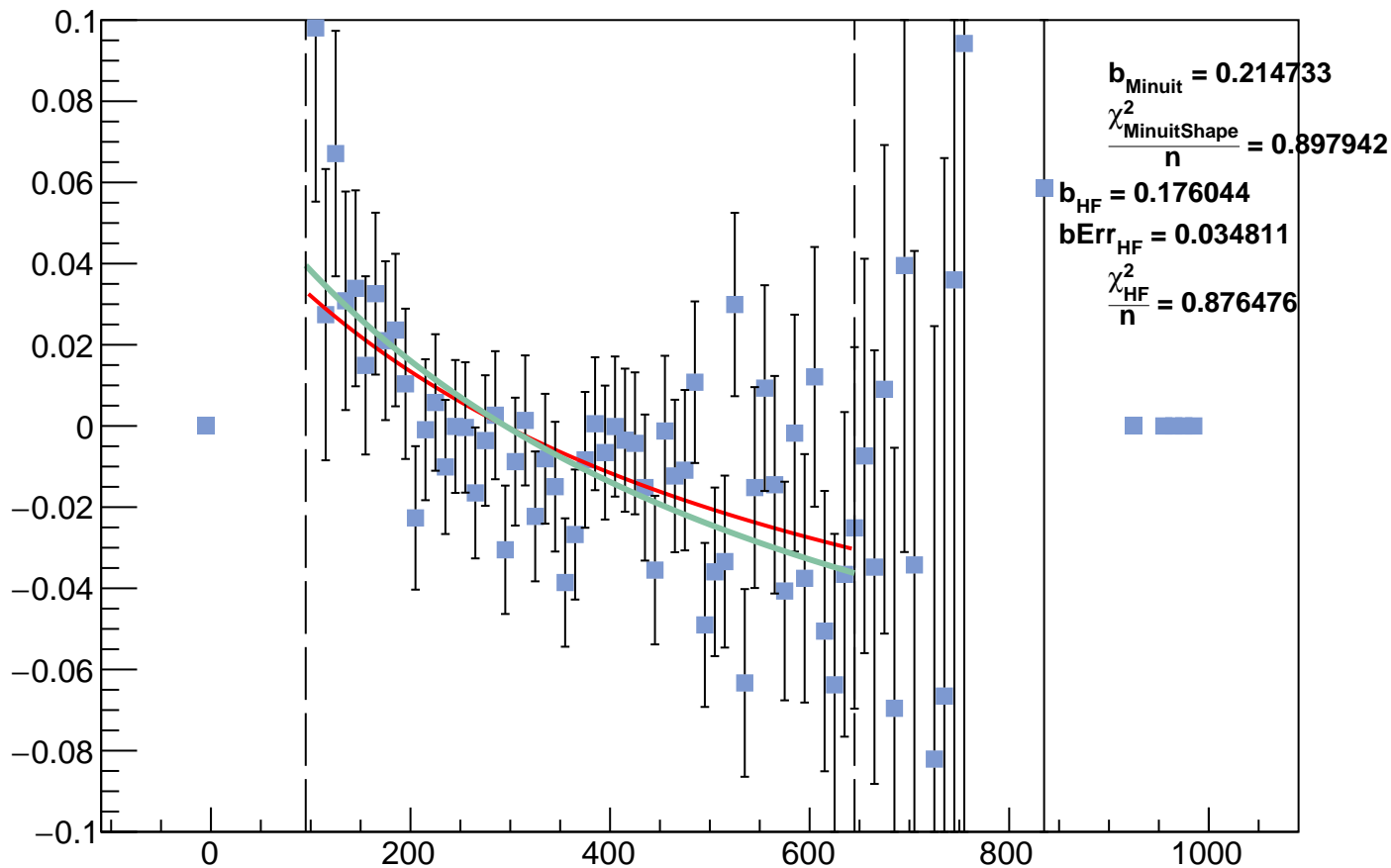
Shape Factor for Octet 115, type0

$b_{Minuit} = -0.057794$

$\frac{\chi^2_{MinuitShape}}{n} = 0.829179$

$b_{HF} = -0.045322$

$bErr_{HF} = 0.041808$

$\frac{\chi^2_{HF}}{n} = 0.827546$
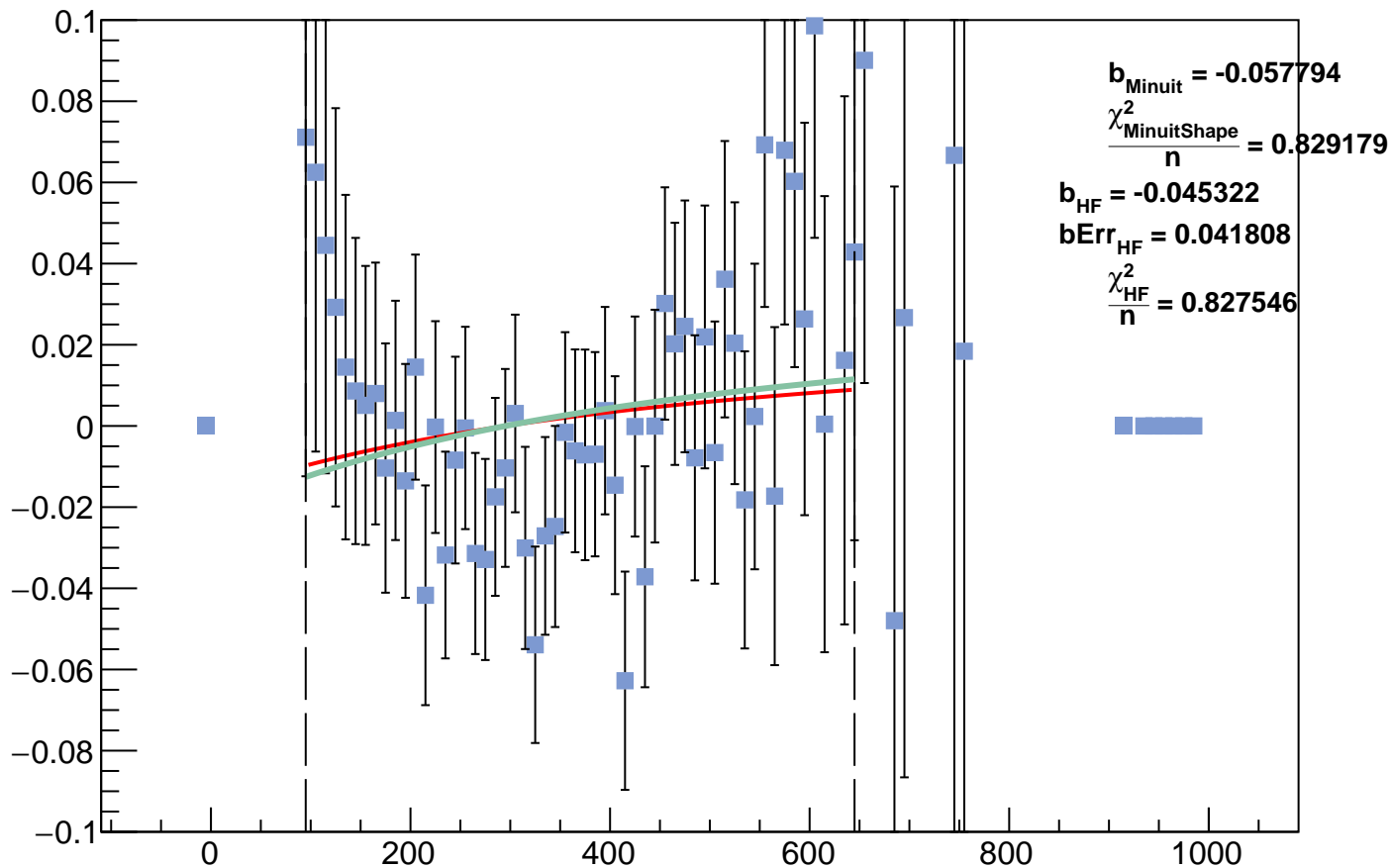
Shape Factor for Octet 116, type0

$b_{Minuit} = 0.015356$

$\frac{\chi^2_{MinuitShape}}{n} = 2.072685$

$b_{HF} = 0.014525$

$bErr_{HF} = 0.027441$

$\frac{\chi^2_{HF}}{n} = 2.072668$
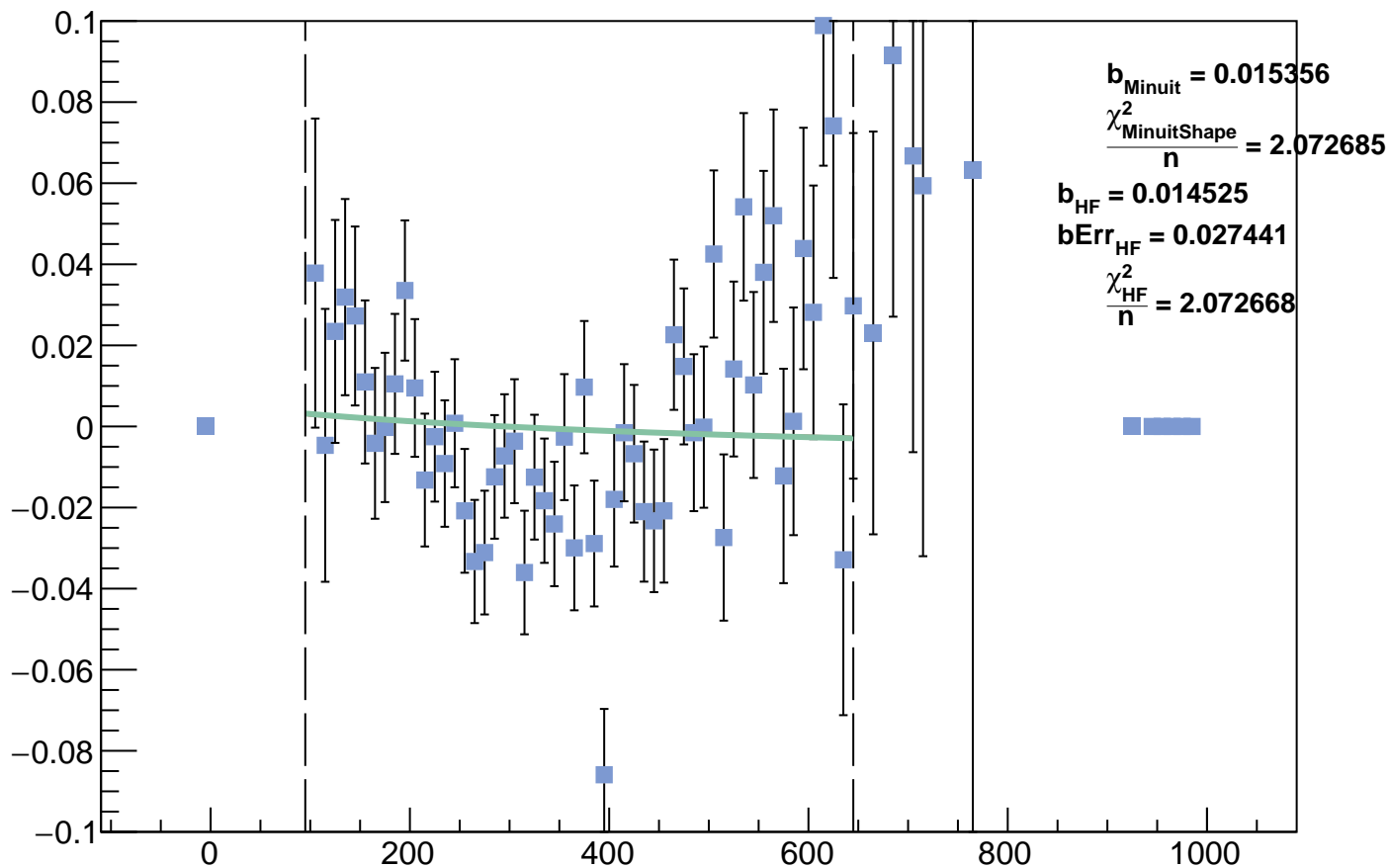
Shape Factor for Octet 117, type0

$b_{Minuit} = 0.102938$

$\dfrac{\chi^2_{MinuitShape}}{n} = 0.723020$

$b_{HF} = 0.087914$

$bErr_{HF} = 0.028481$

$\dfrac{\chi^2_{HF}}{n} = 0.718054$
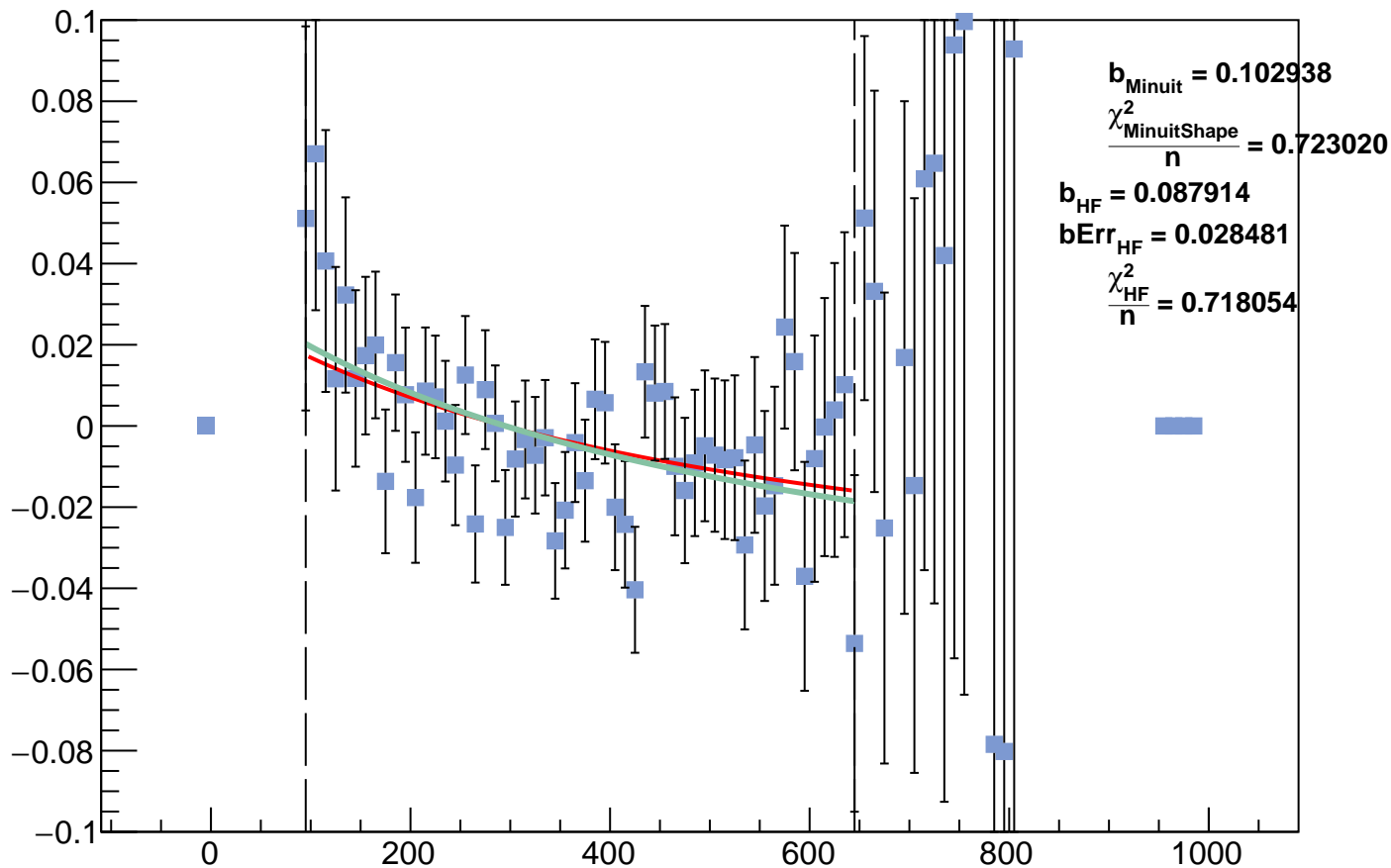
Shape Factor for Octet 118, type0

$b_{Minuit} = -0.126946$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.557953$

$b_{HF} = -0.108241$

$bErr_{HF} = 0.023665$

$\dfrac{\chi^2_{HF}}{n} = 1.546142$
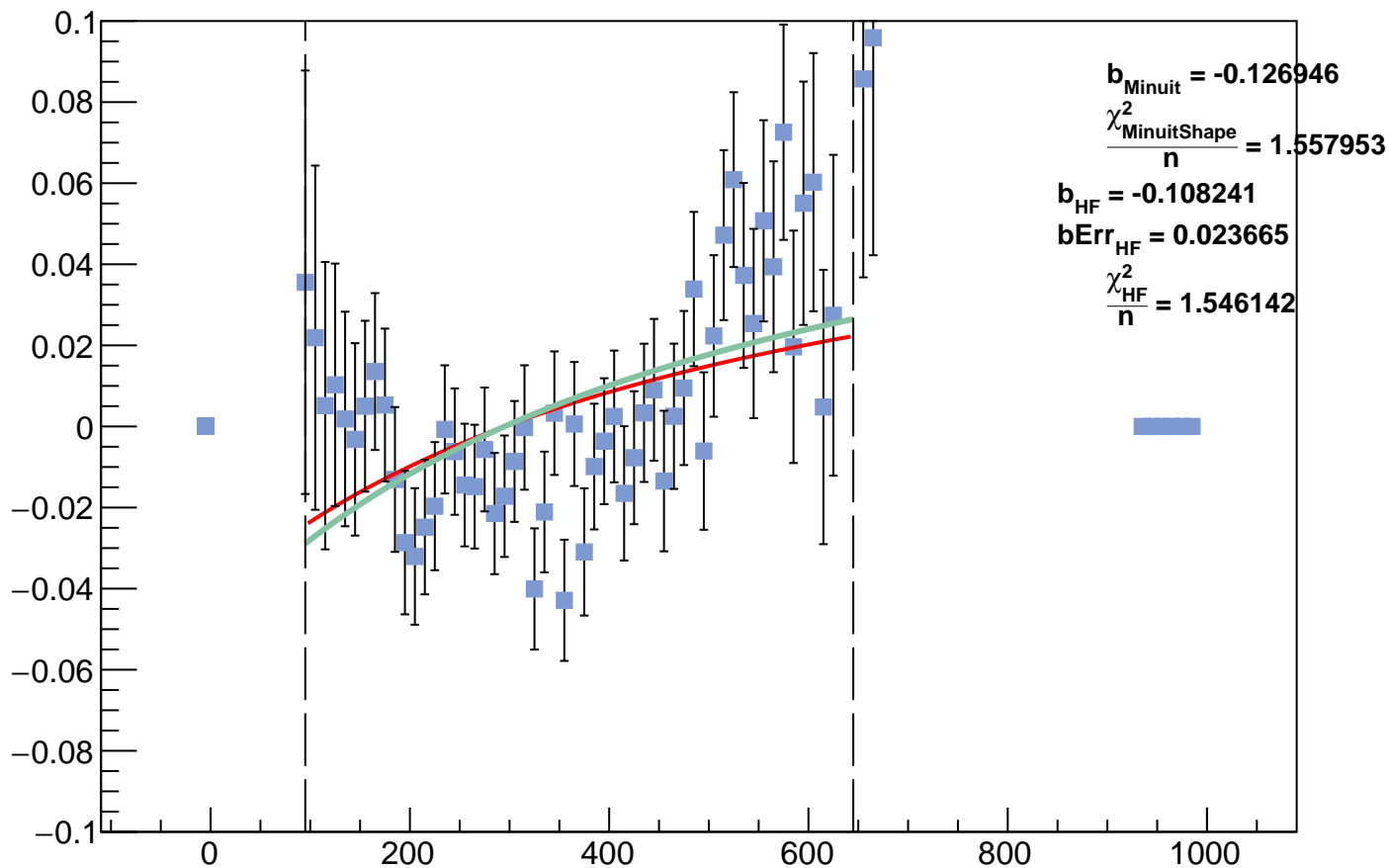
Shape Factor for Octet 119, type0

$b_{Minuit} = -0.055534$

$\dfrac{\chi^2_{MinuitShape}}{n} = 1.062896$

$b_{HF} = -0.045850$

$bErr_{HF} = 0.025789$

$\dfrac{\chi^2_{HF}}{n} = 1.060303$
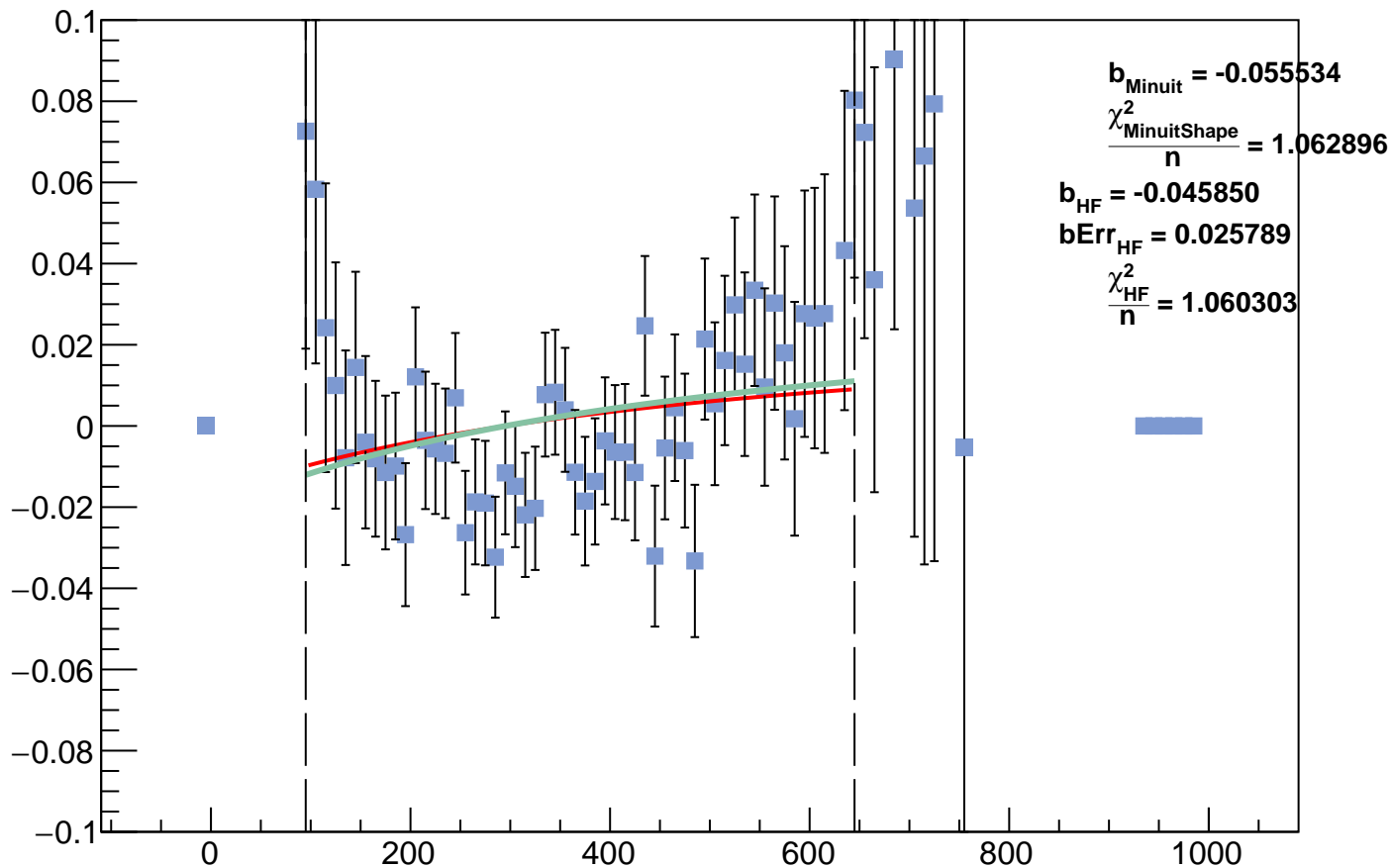
Shape Factor for Octet 120, type0

$b_{Minuit} = 0.012854$

$\dfrac{\chi^2_{MinuitShape}}{n} = 0.681396$

$b_{HF} = 0.012900$

$bErr_{HF} = 0.030538$

$\dfrac{\chi^2_{HF}}{n} = 0.681396$