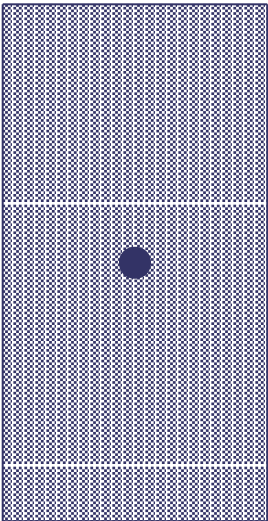


Prior

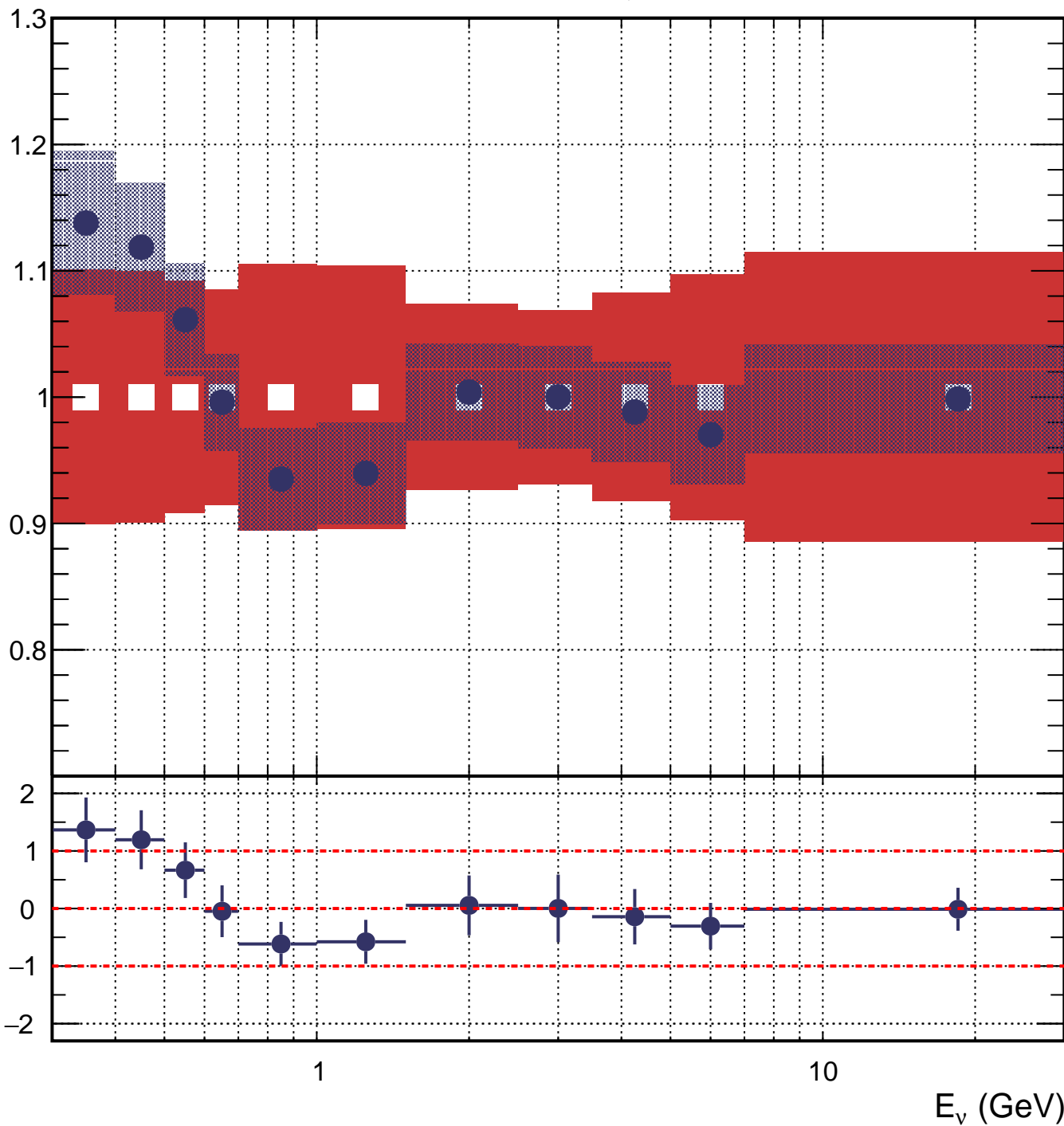


Multi- π

ND280 FHC ν_μ

Variation rel. nom.

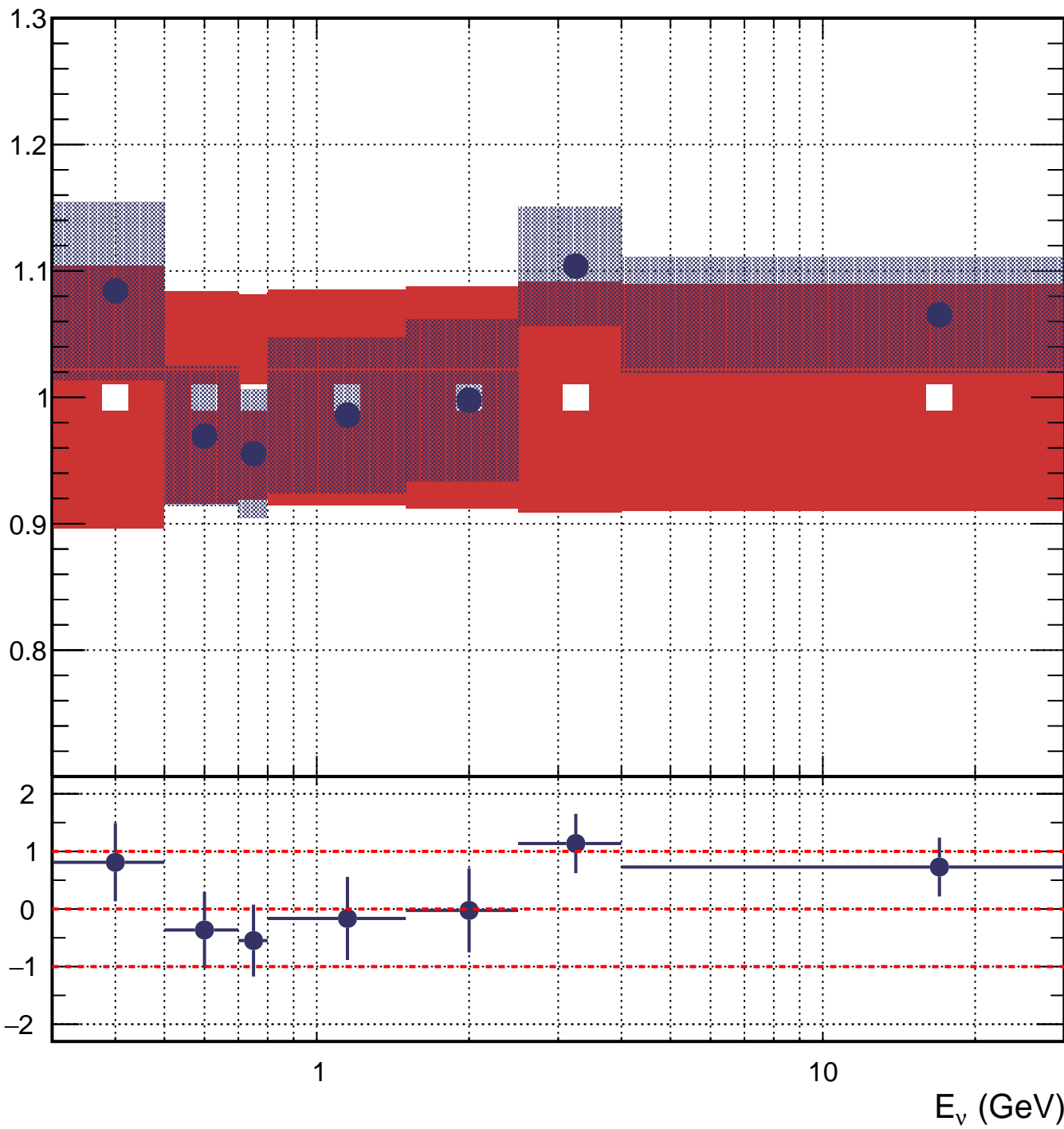
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$



ND280 FHC ν_e

Variation rel. nom.

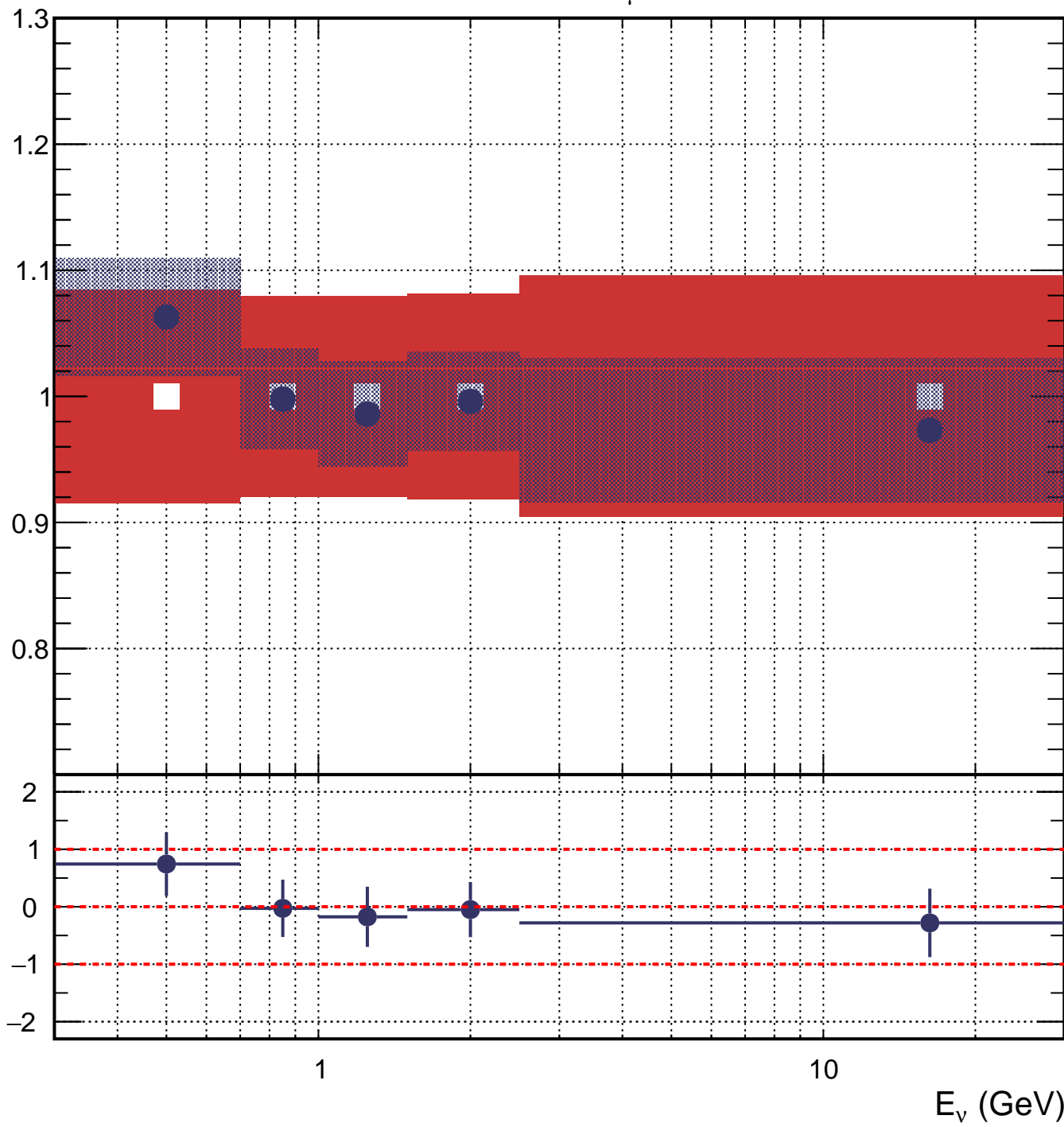
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$



ND280 FHC $\bar{\nu}_\mu$

Variation rel. nom.

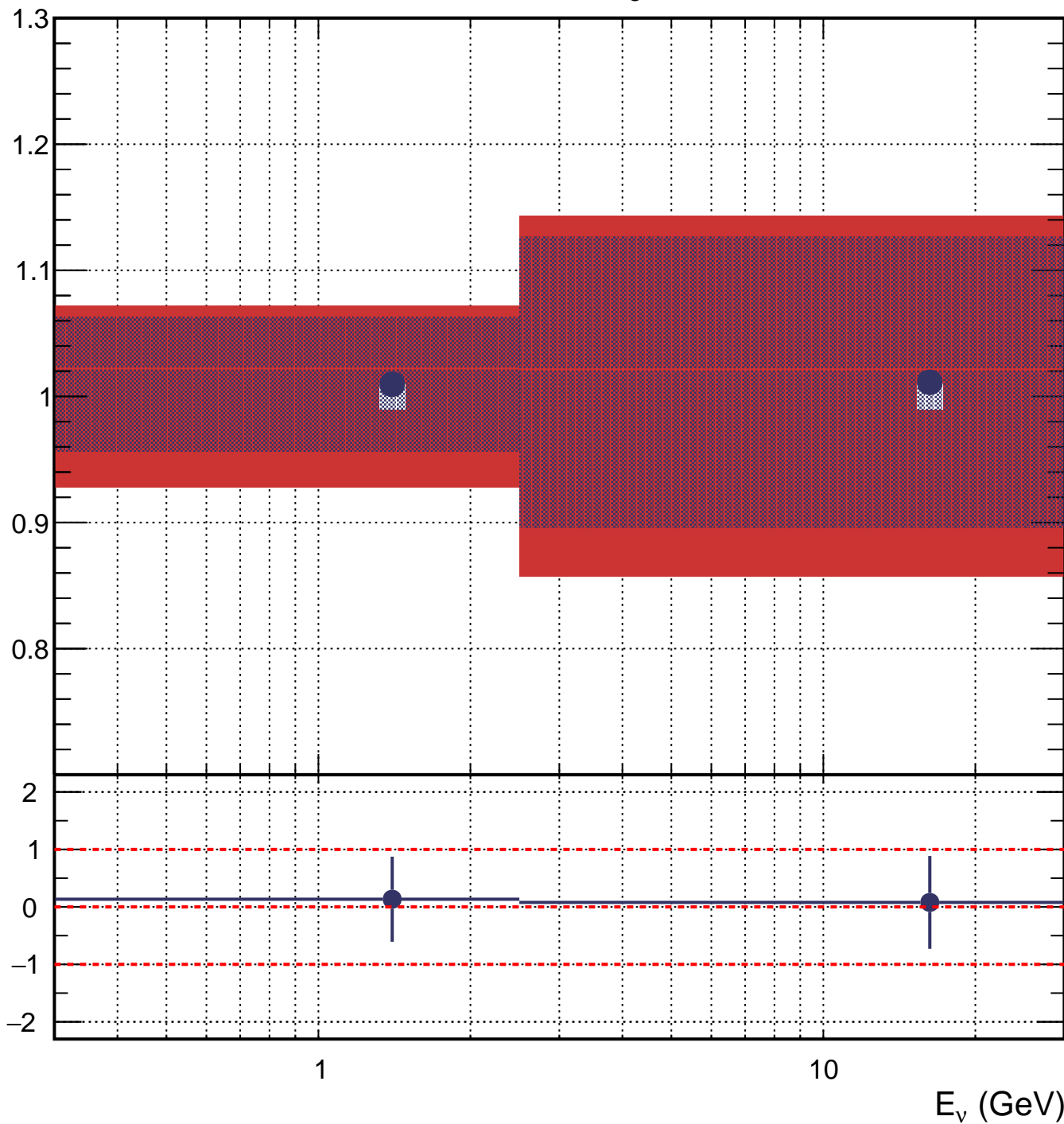
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$

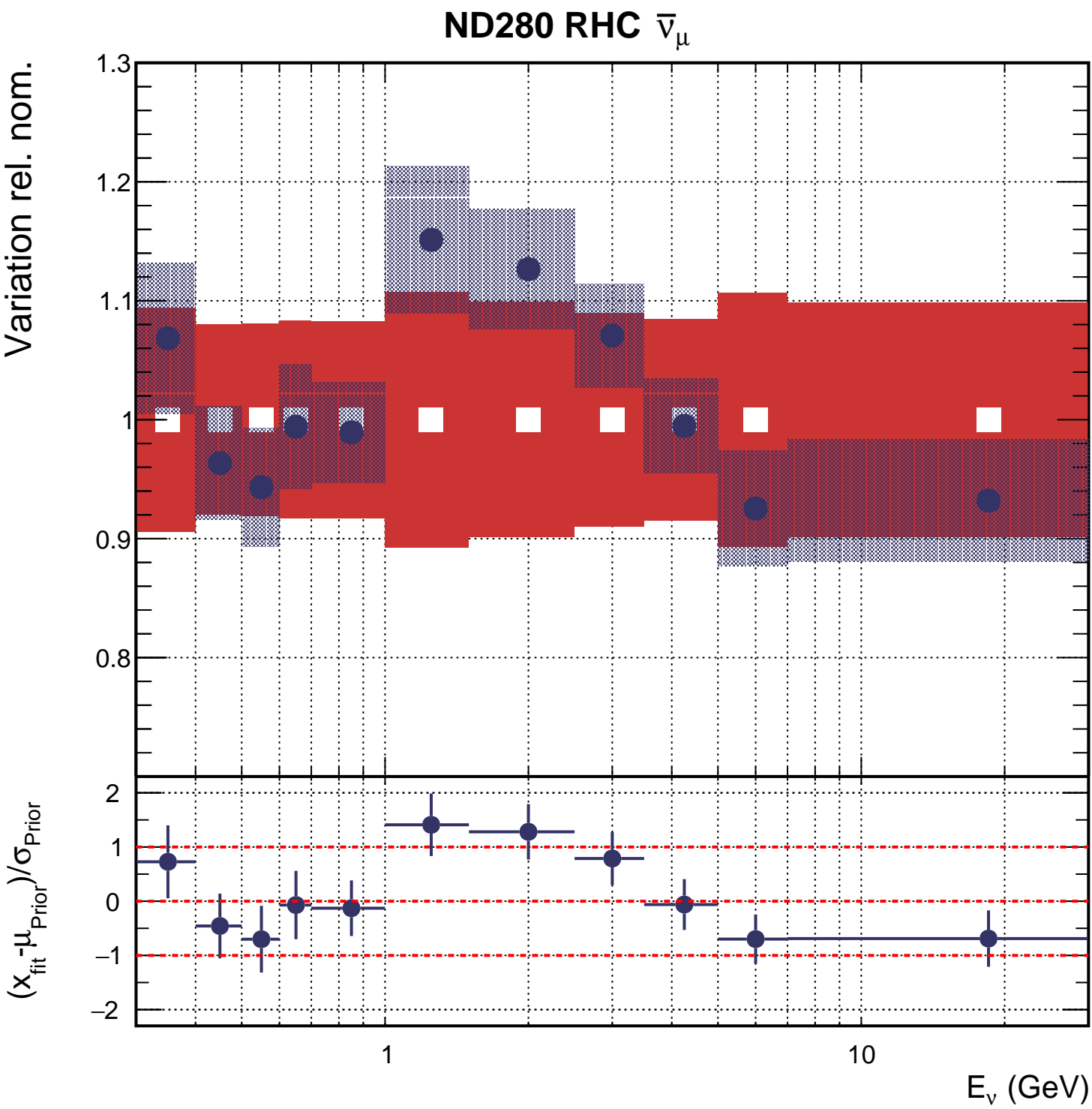


ND280 FHC $\bar{\nu}_e$

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$

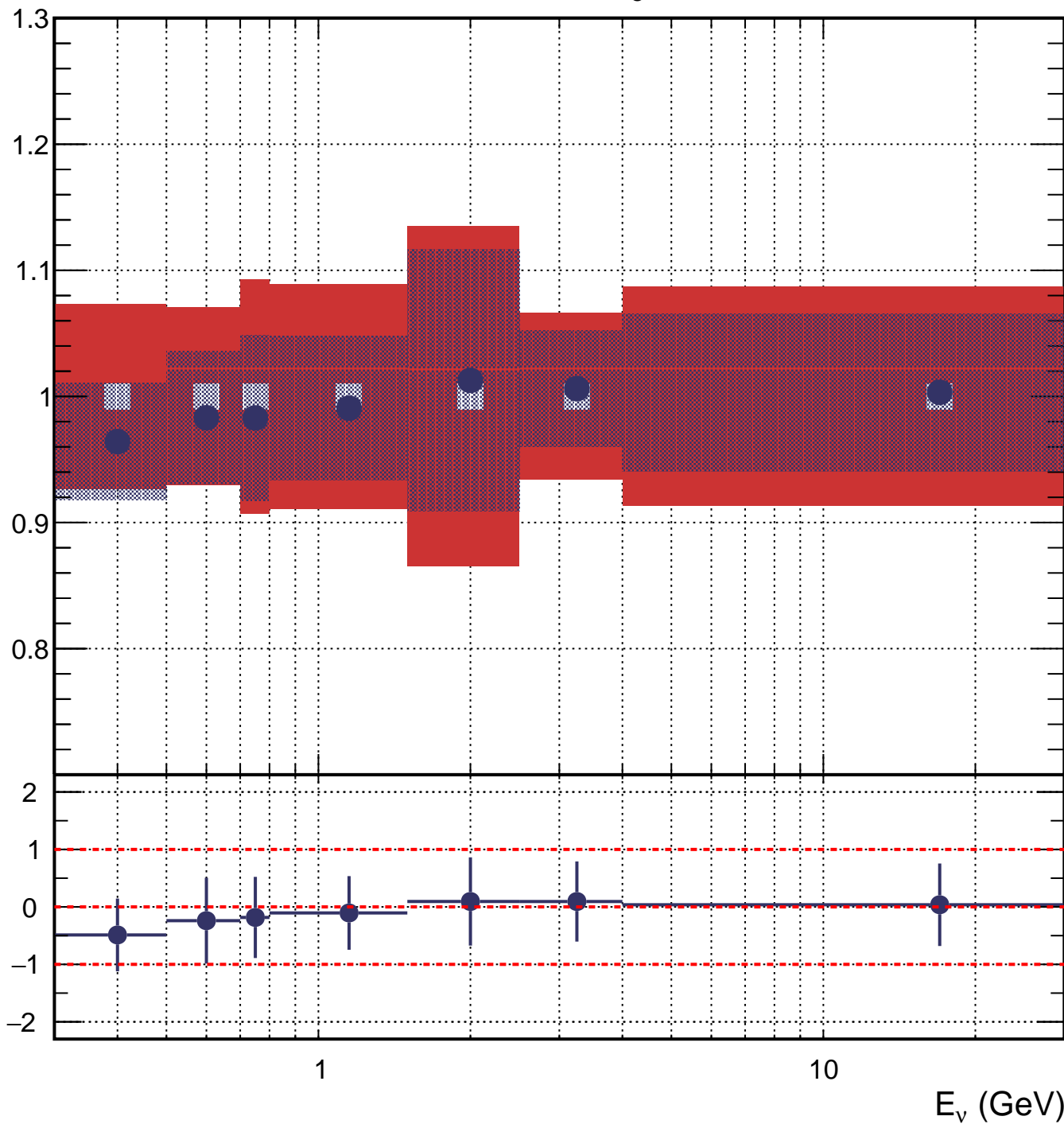




ND280 RHC $\bar{\nu}_e$

Variation rel. nom.

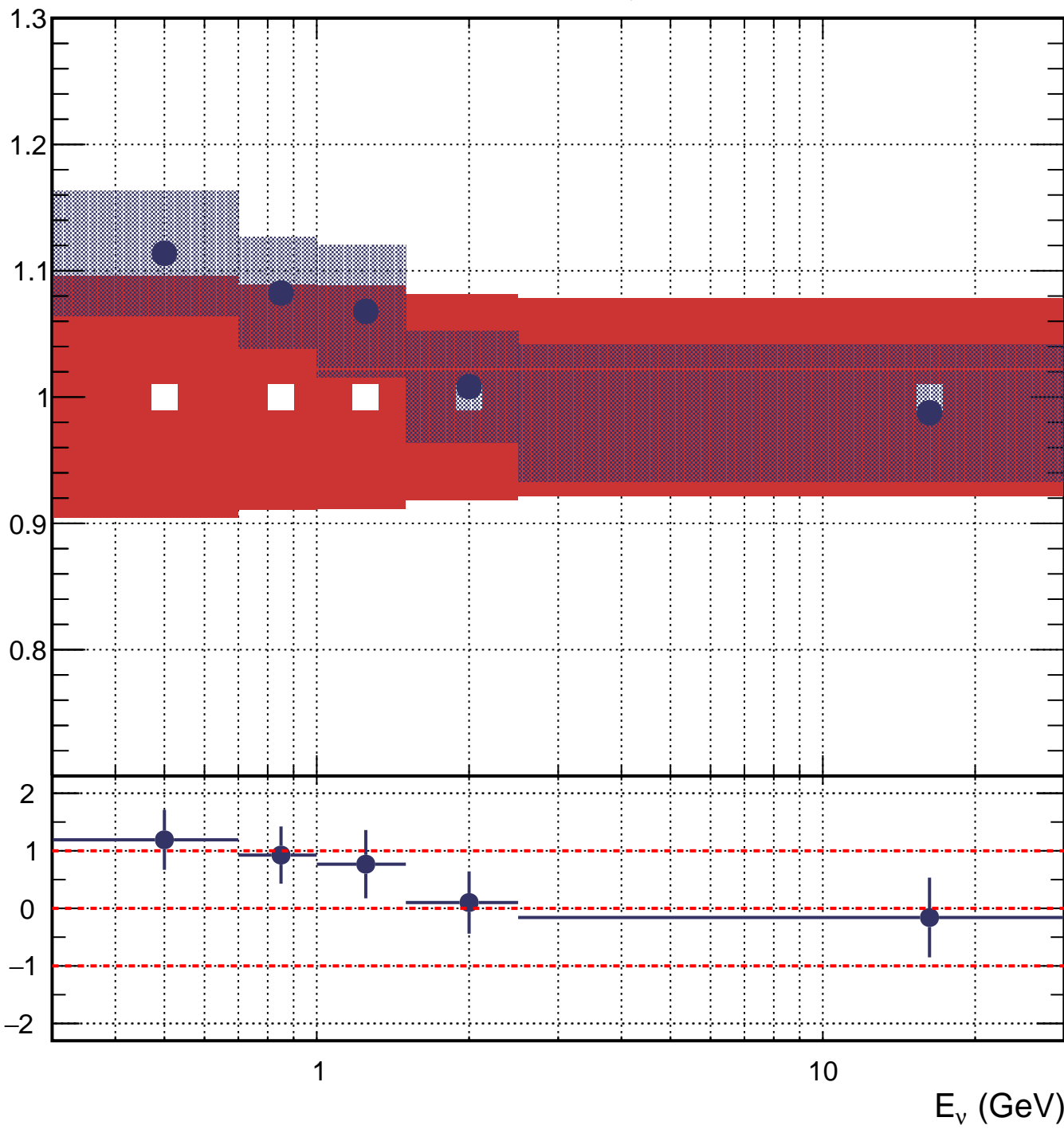
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$



ND280 RHC ν_μ

Variation rel. nom.

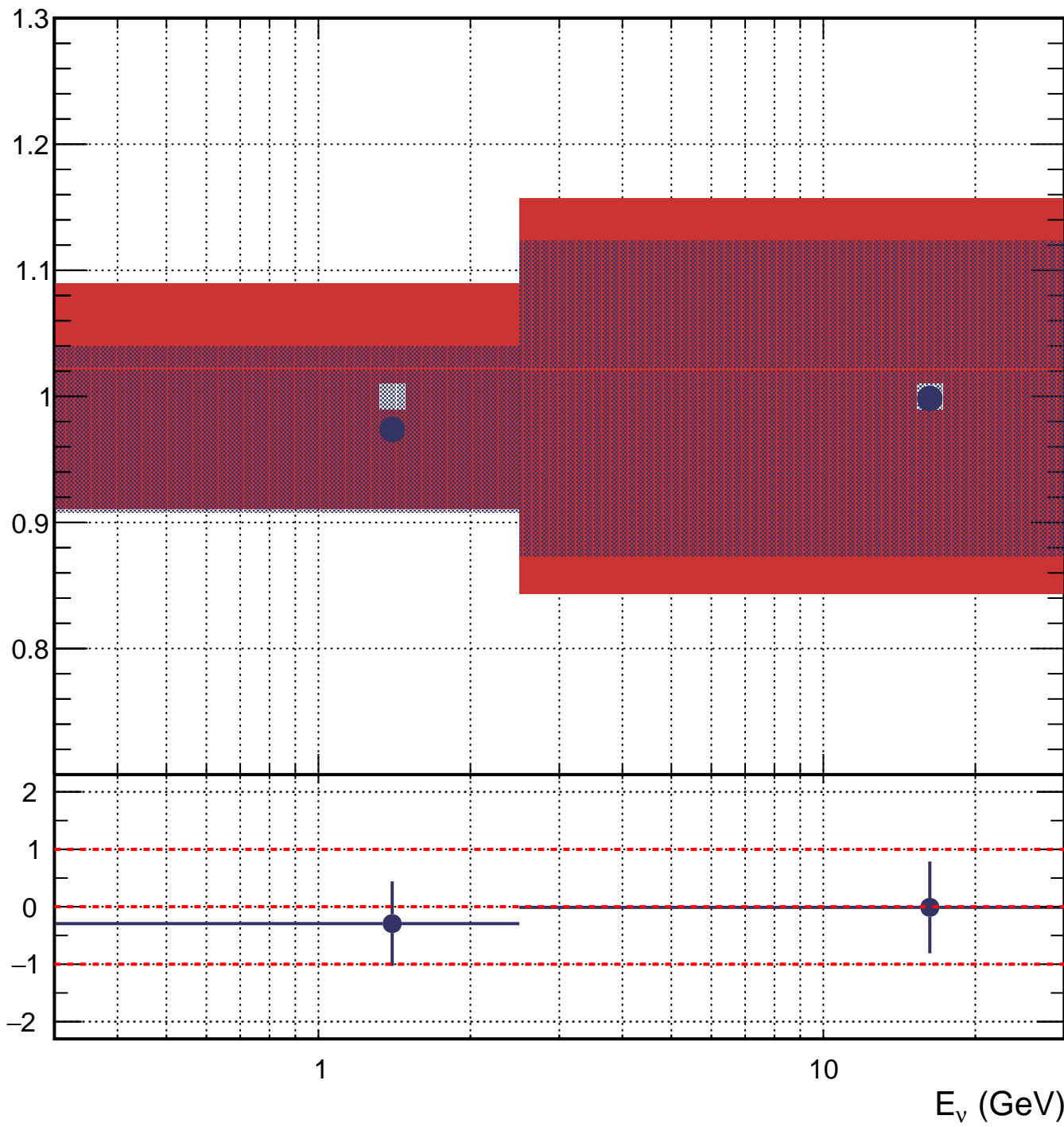
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$

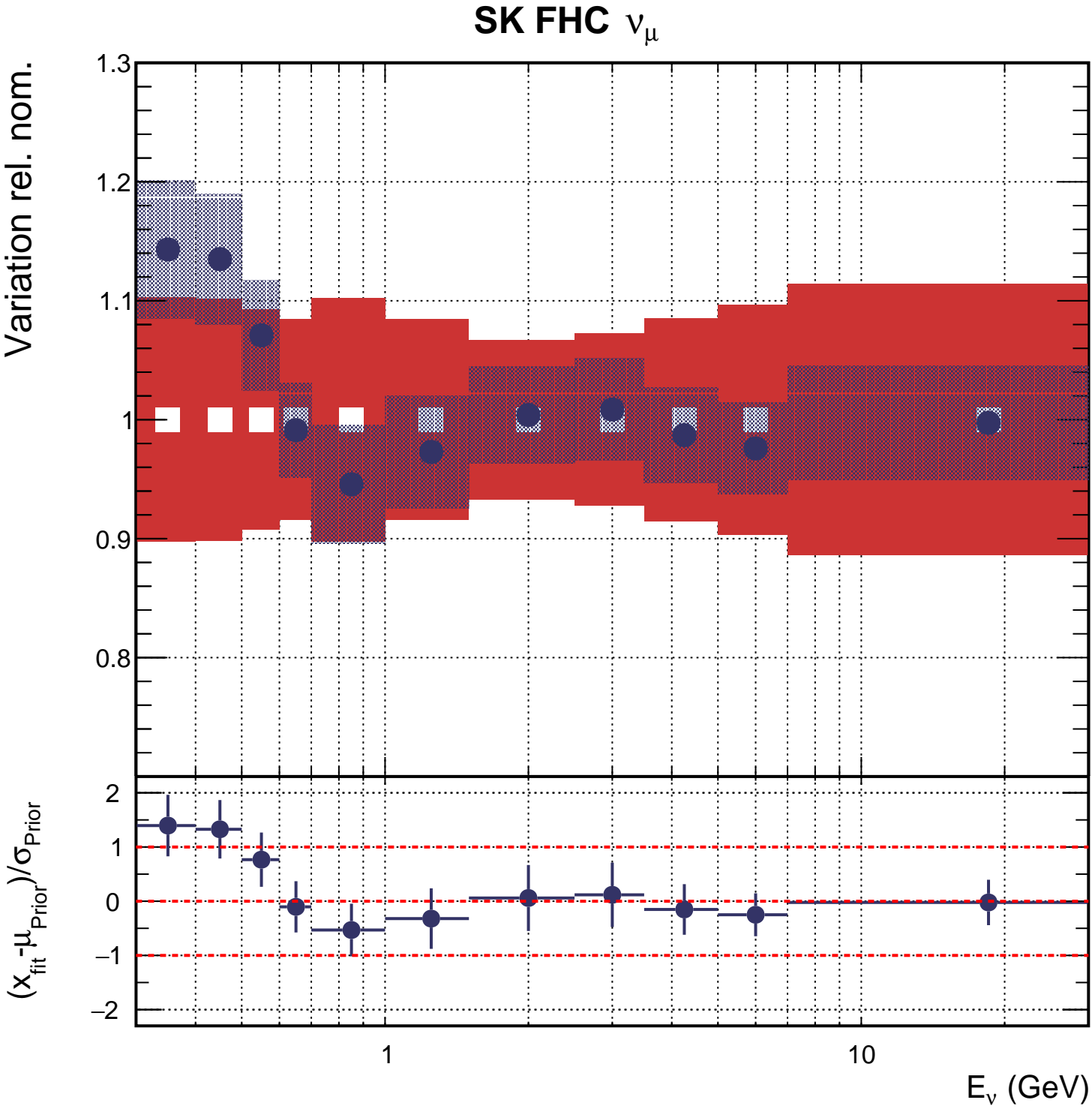


ND280 RHC ν_e

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$

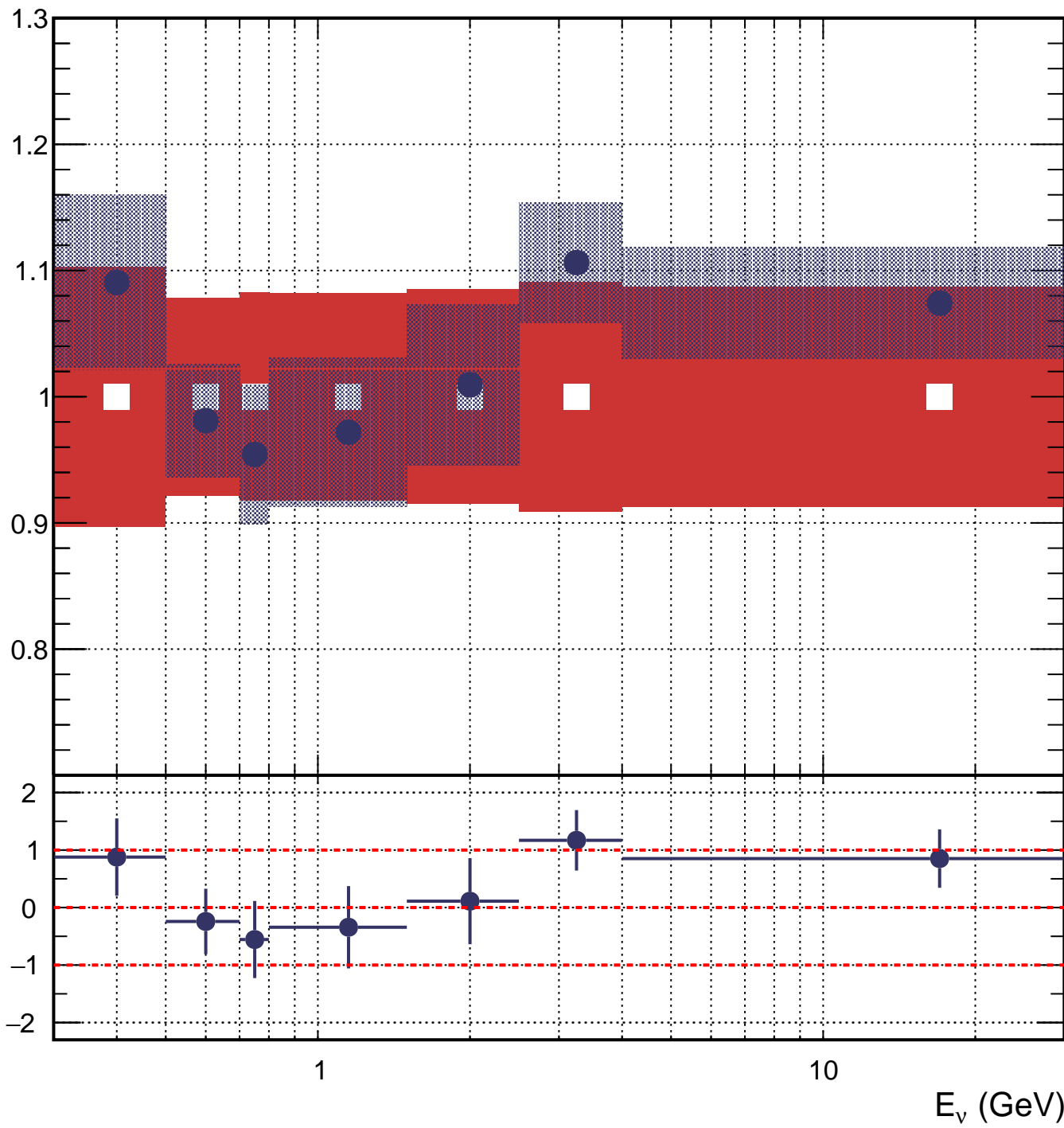


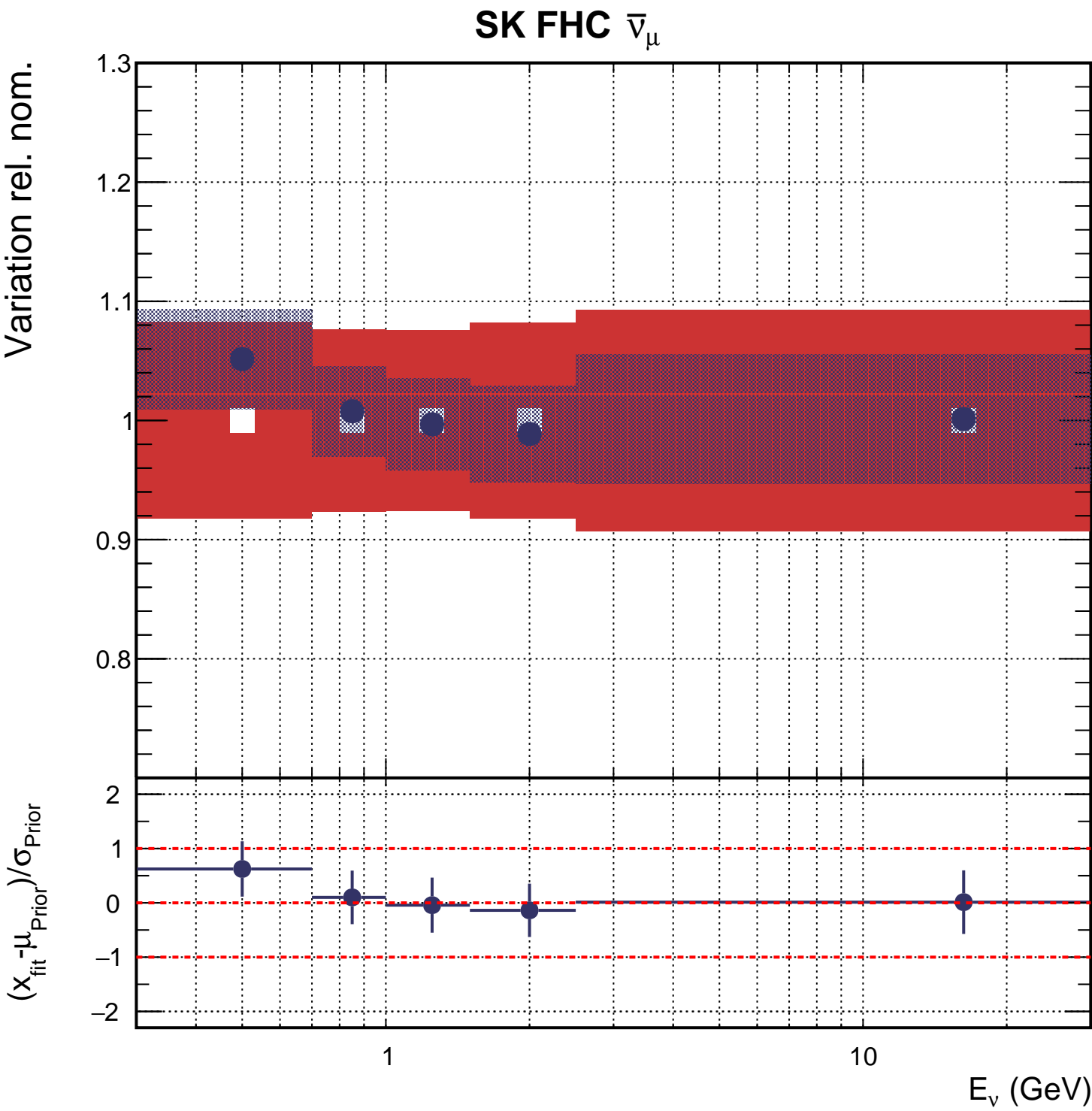


SK FHC ν_e

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$

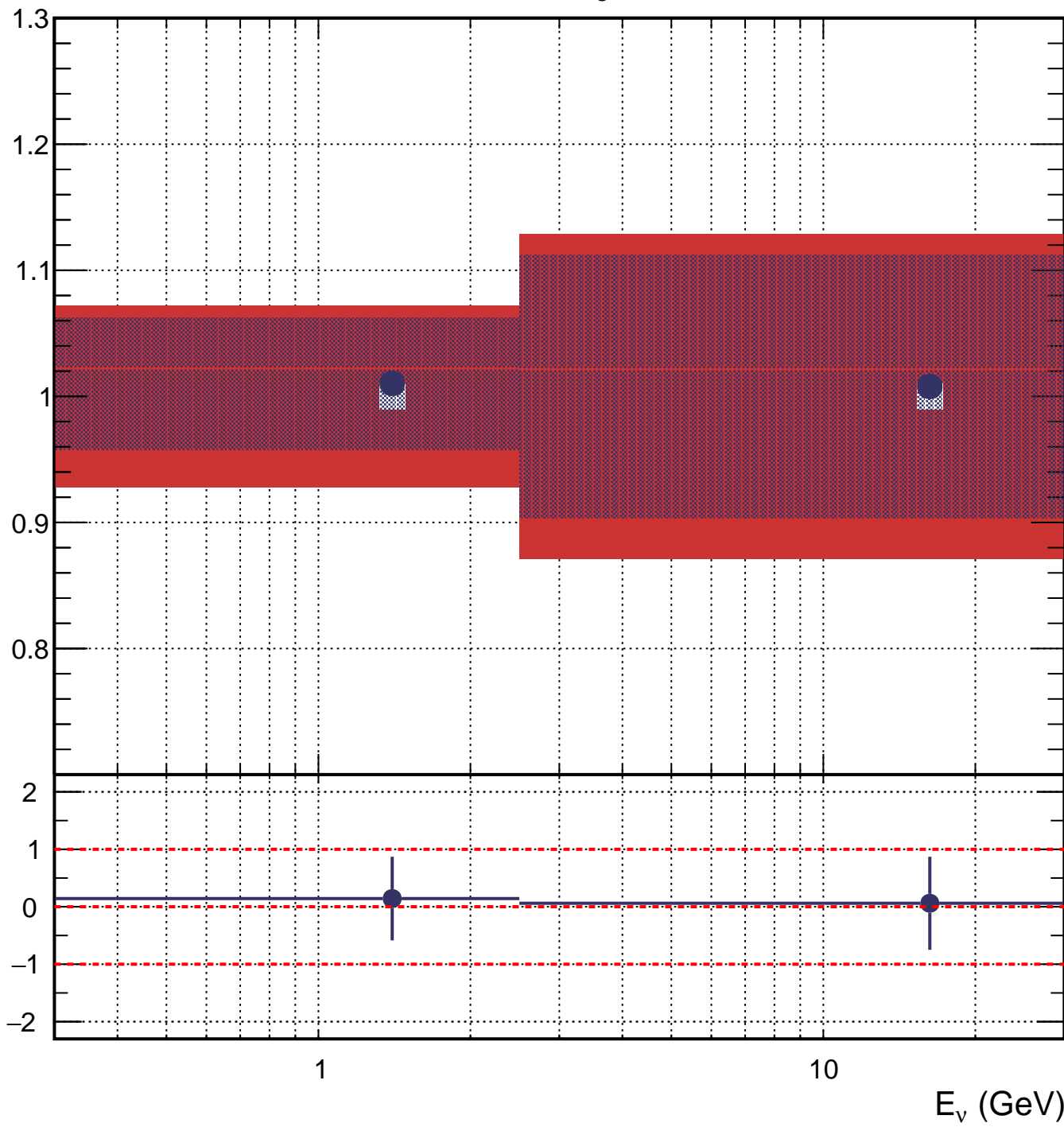


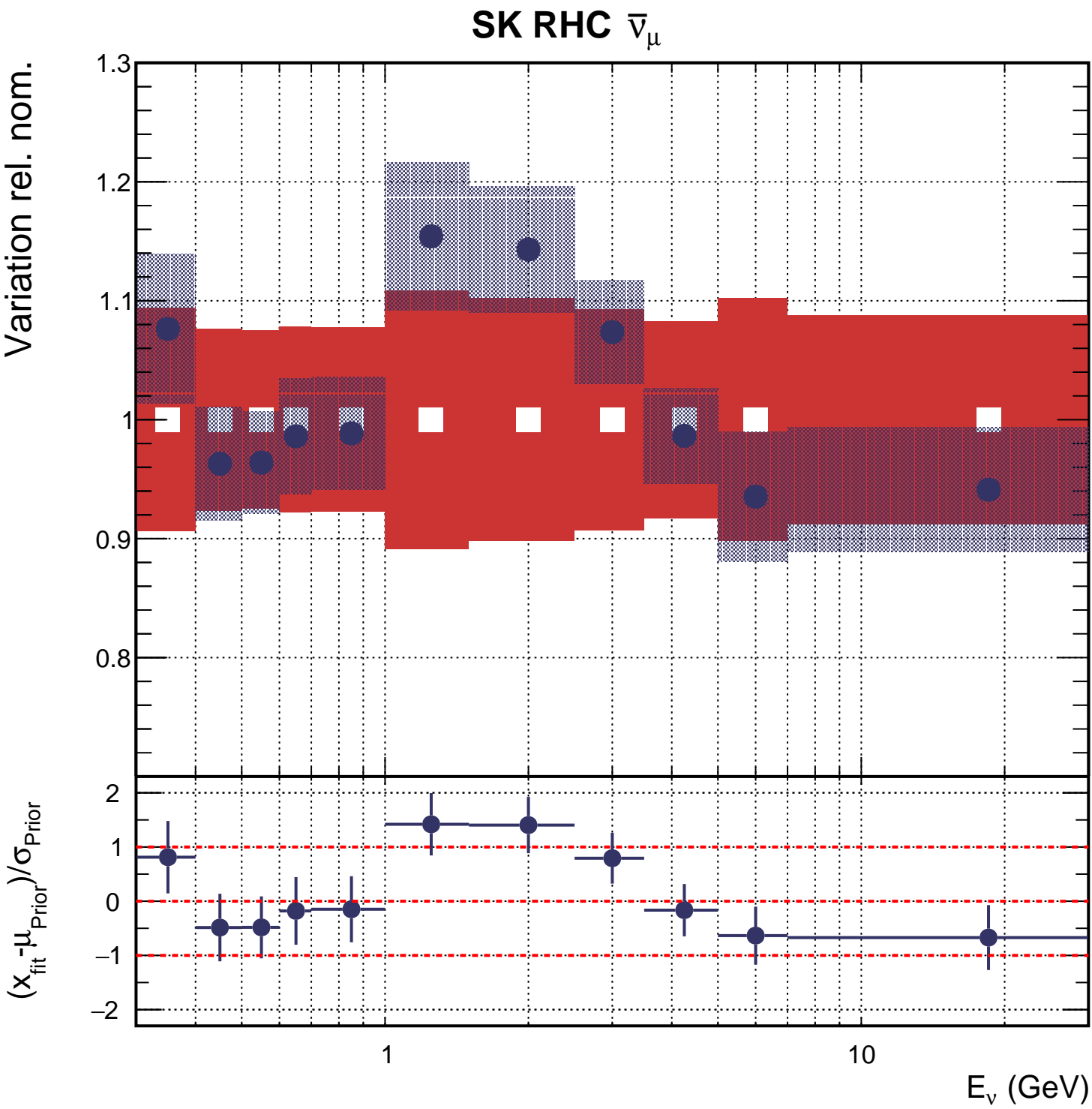


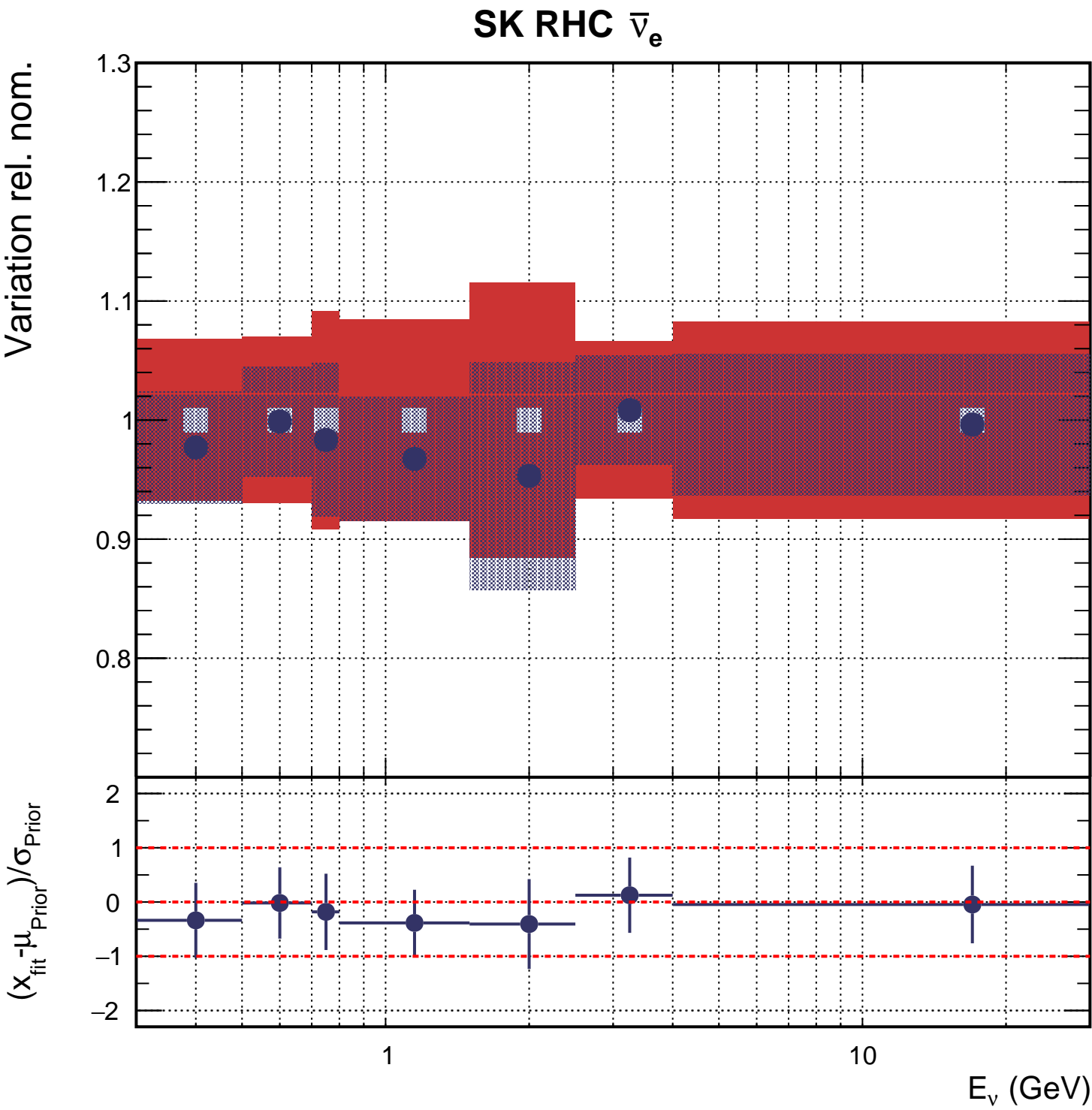
SK FHC $\bar{\nu}_e$

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$



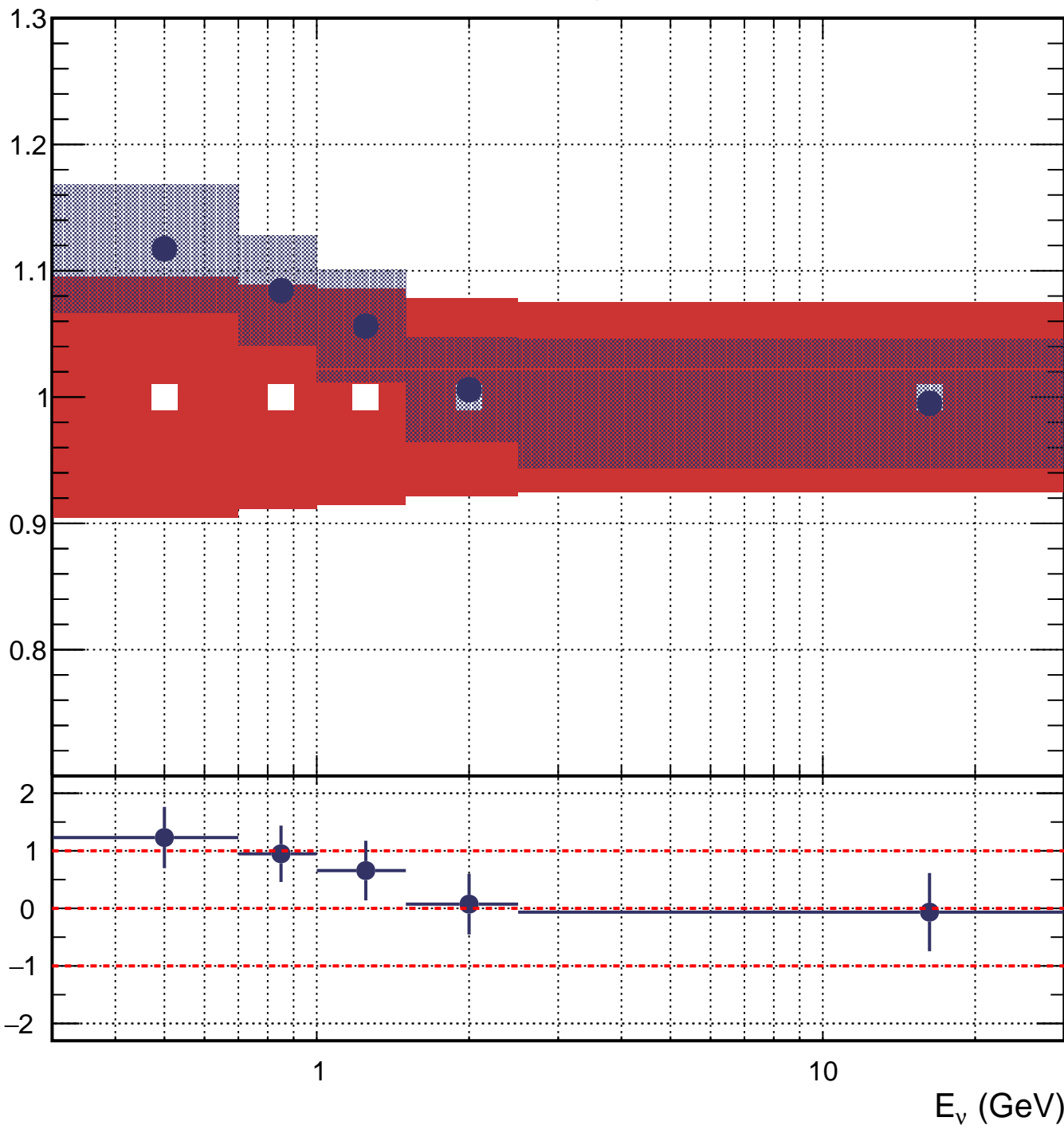




SK RHC ν_μ

Variation rel. nom.

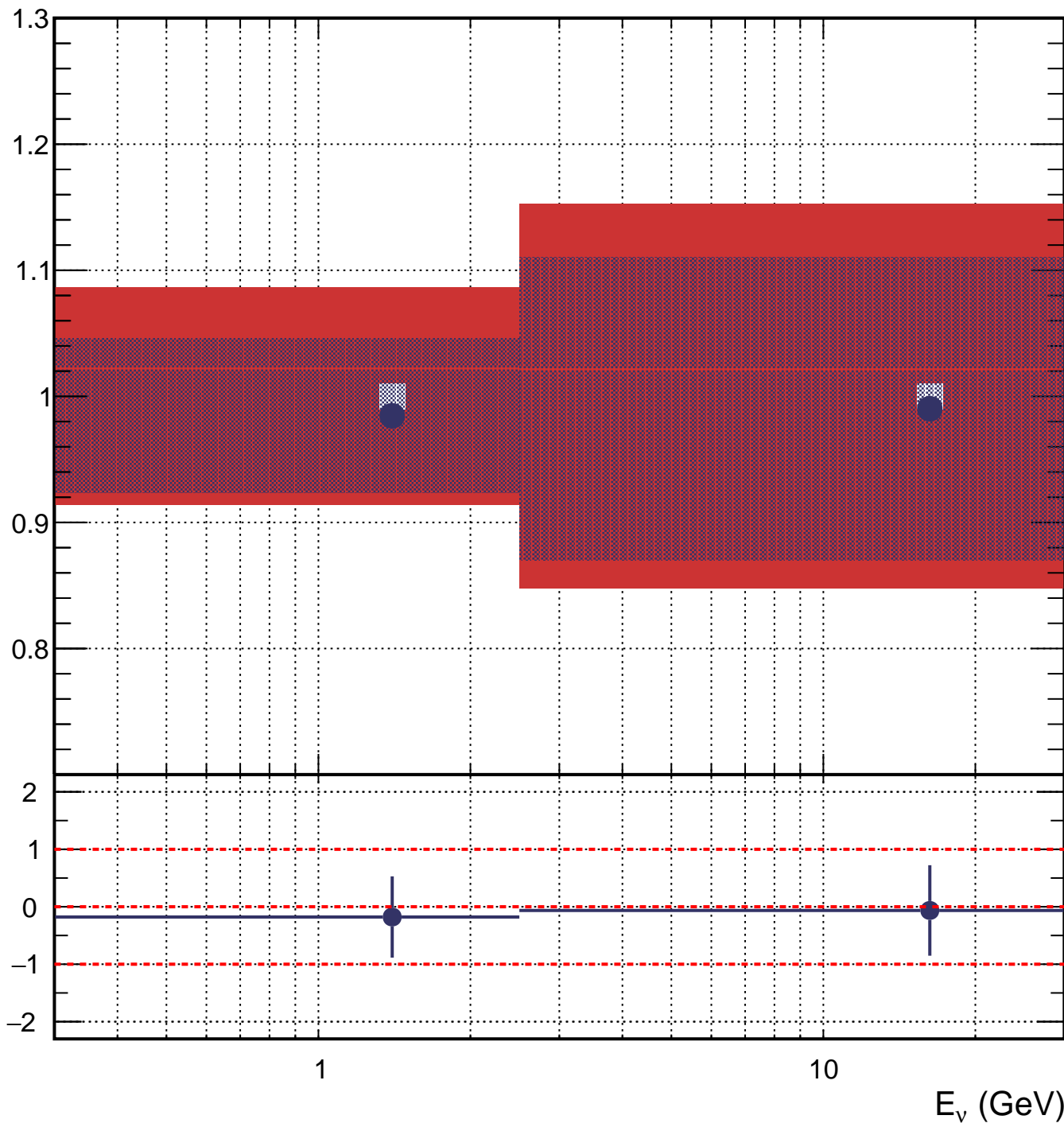
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$

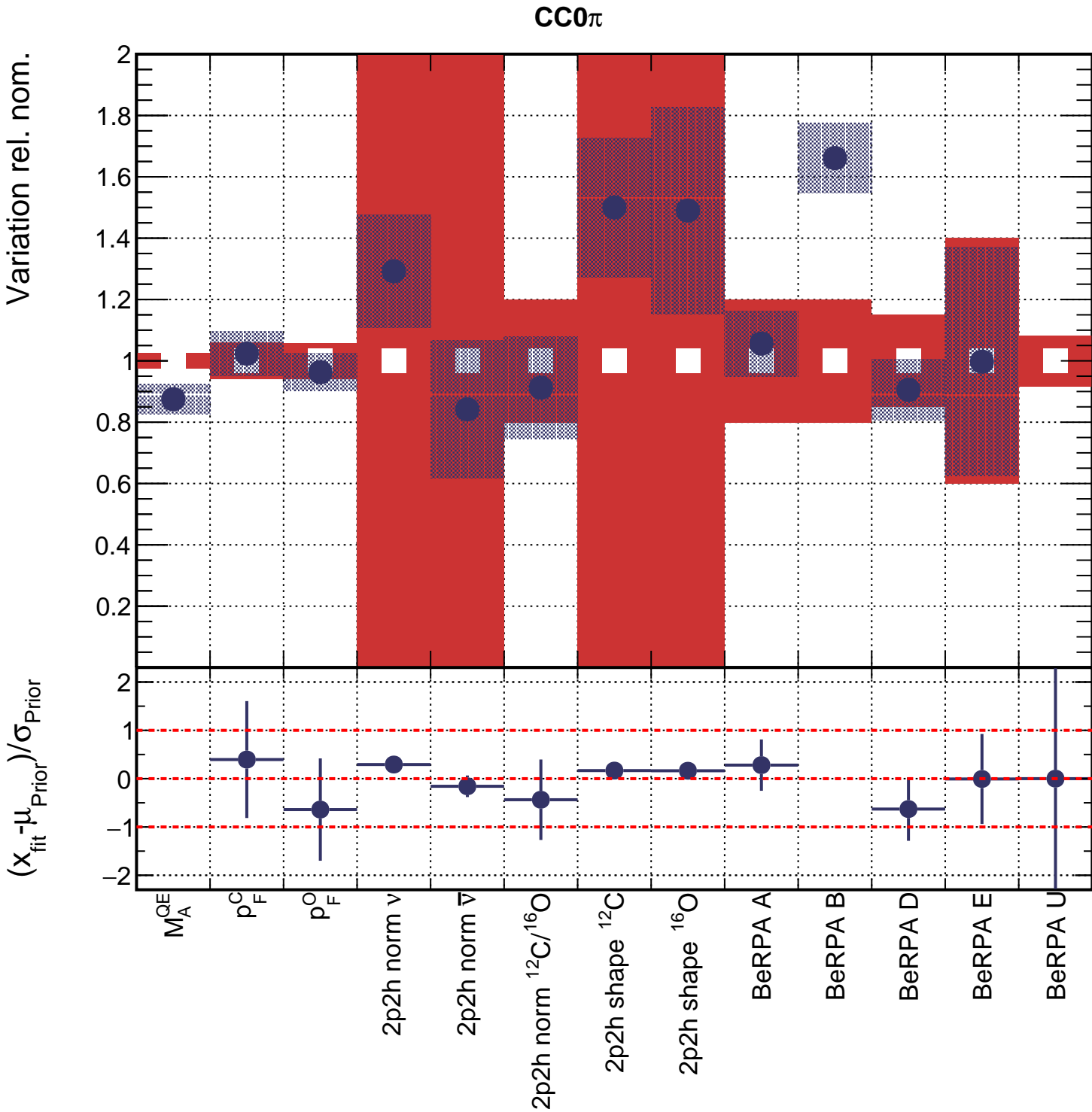


SK RHC ν_e

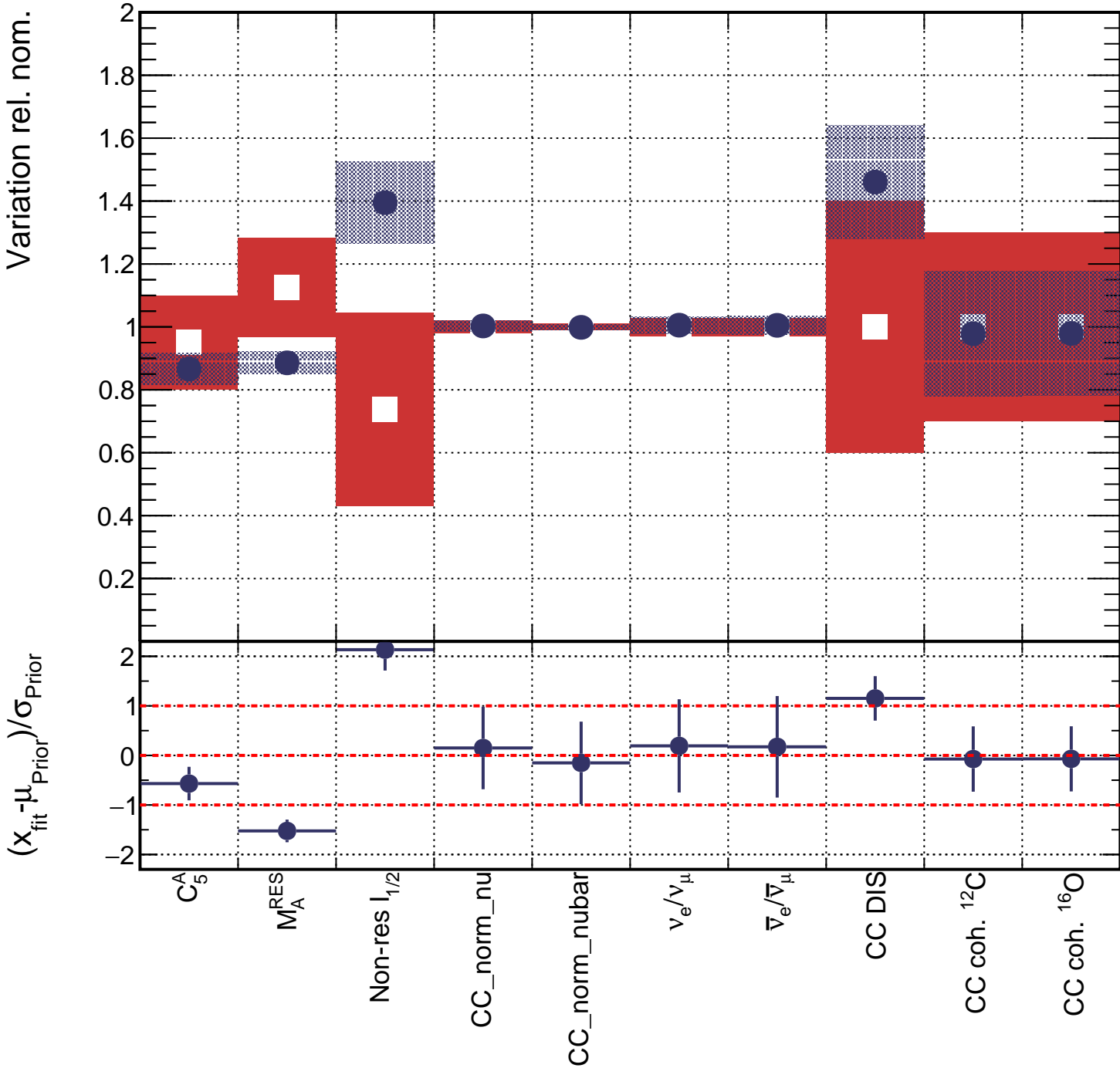
Variation rel. nom.

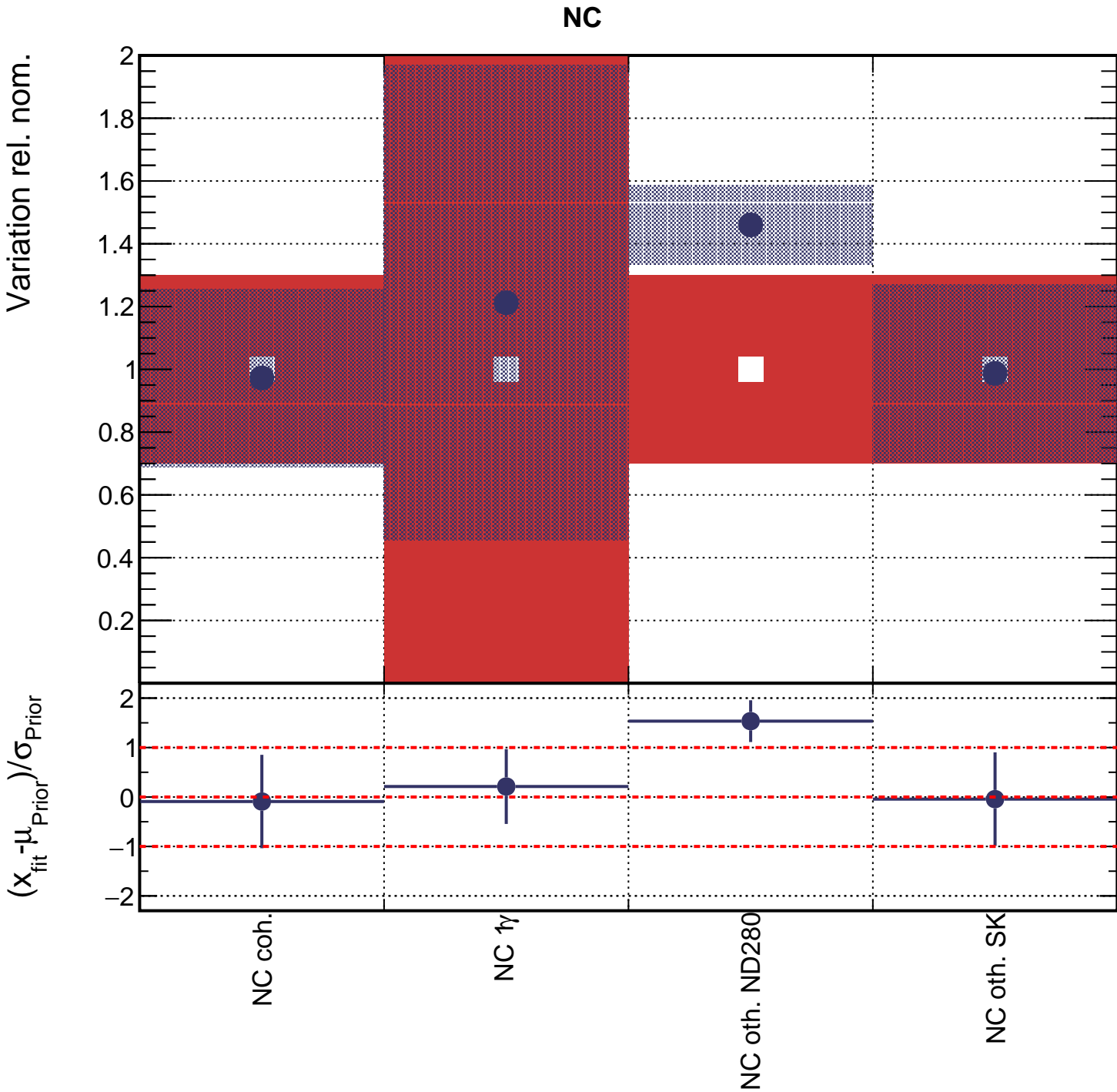
$(x_{\text{fit}} - \mu_{\text{prior}}) / \sigma_{\text{prior}}$





CC1 π , ν_e , CC DIS, CC coh

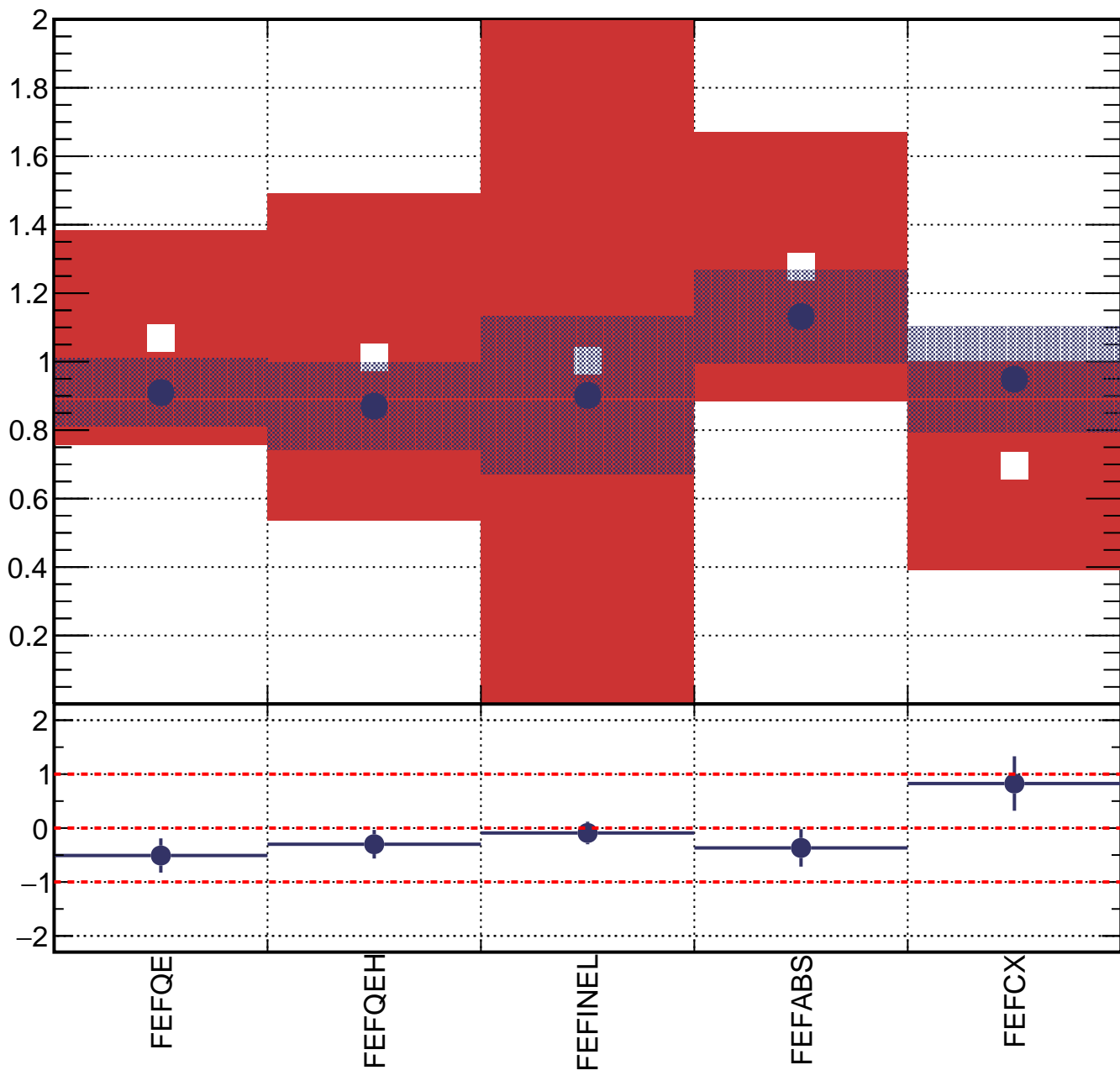




Pion FSI

Variation rel. nom.

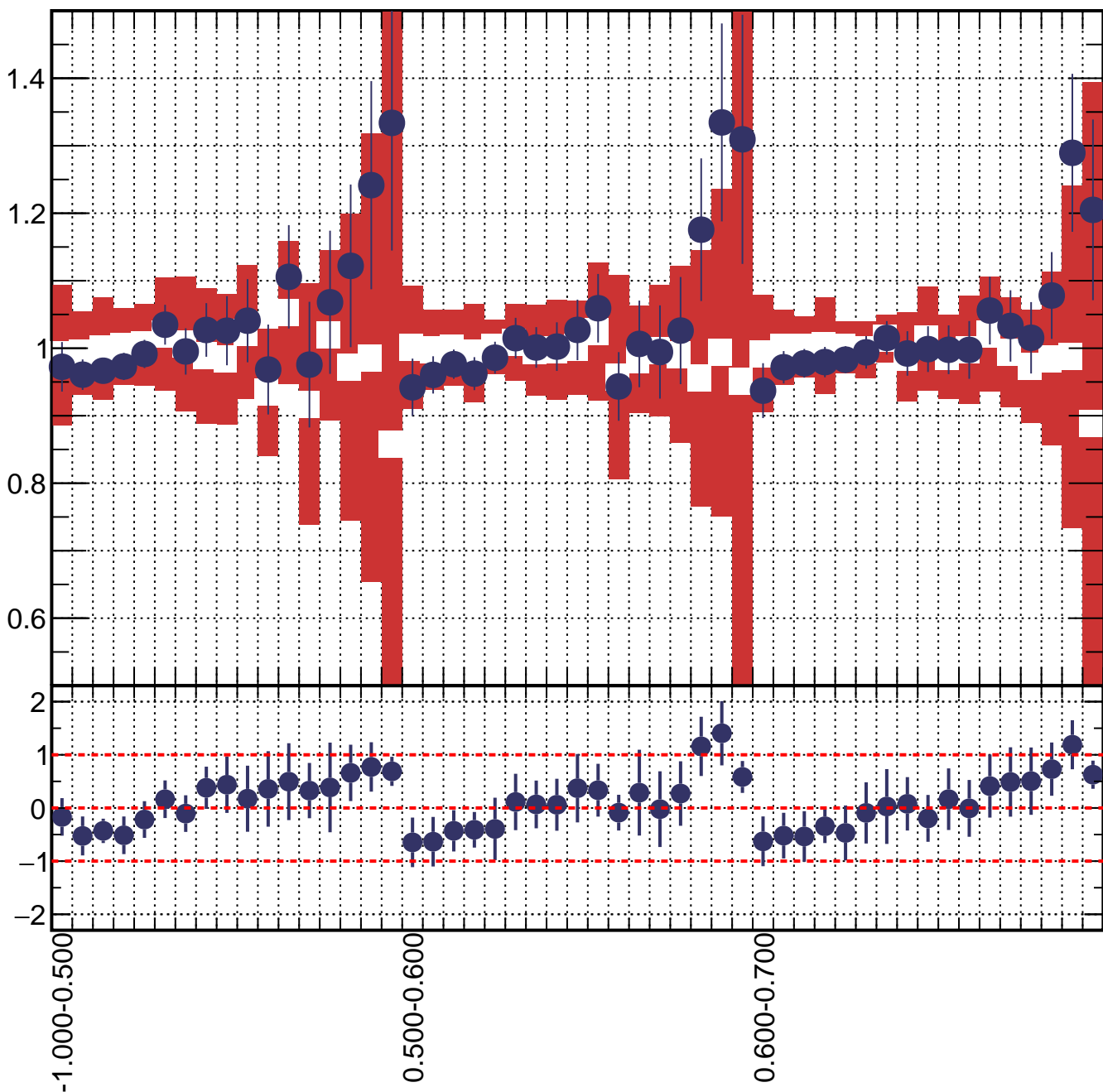
$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$



FGD1 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

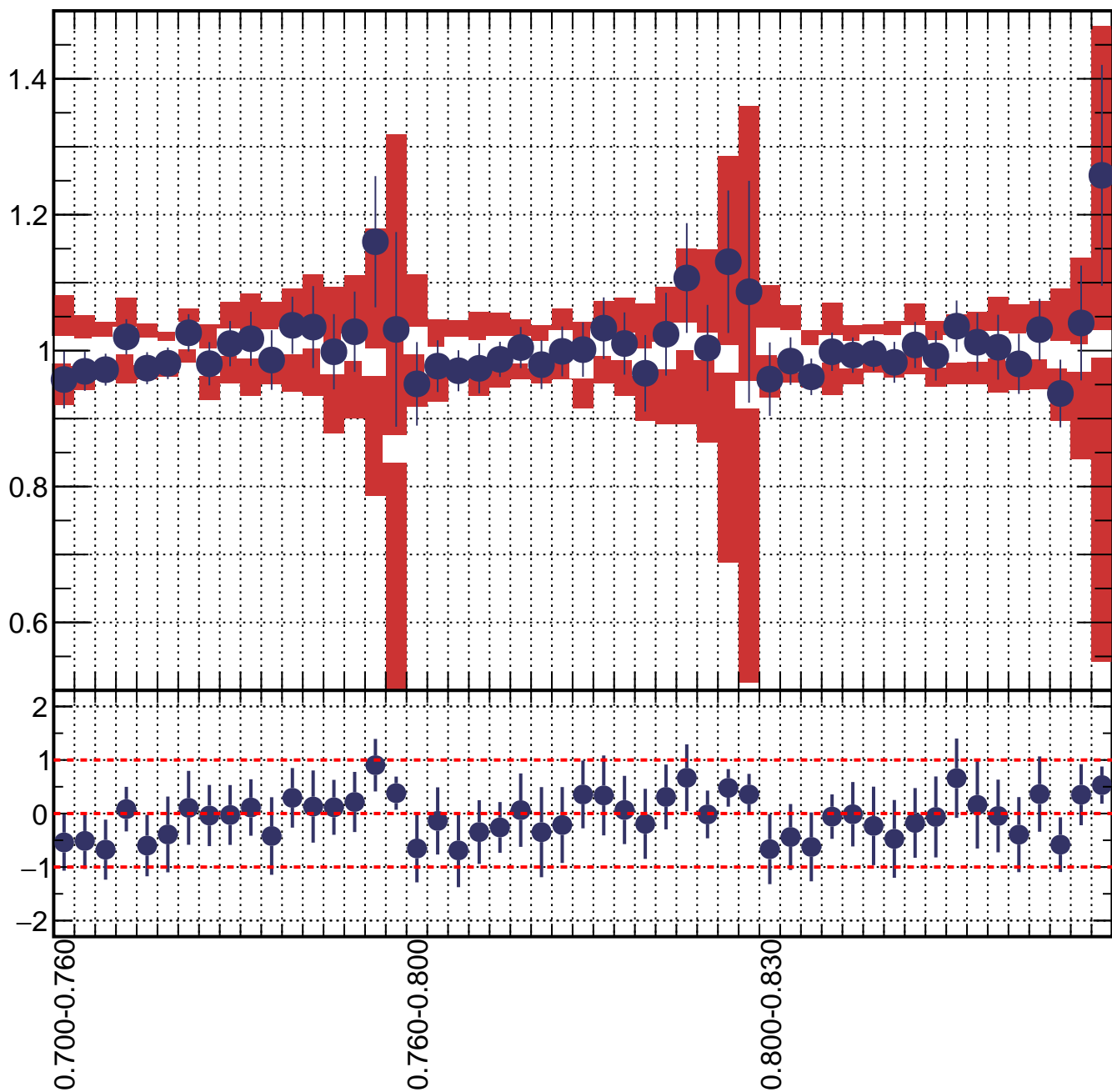


Detector bin

FGD1 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

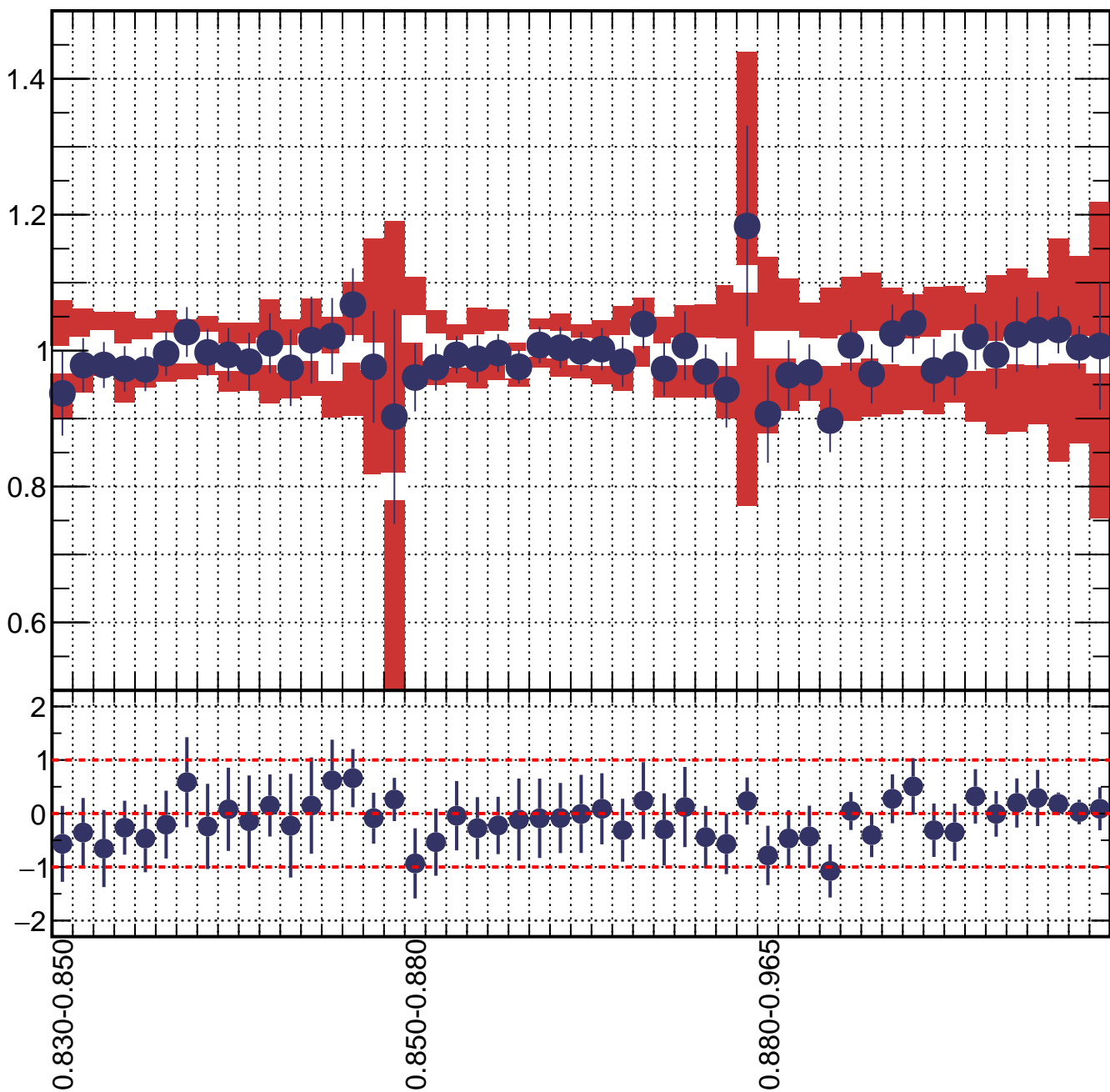


Detector bin

FGD1 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

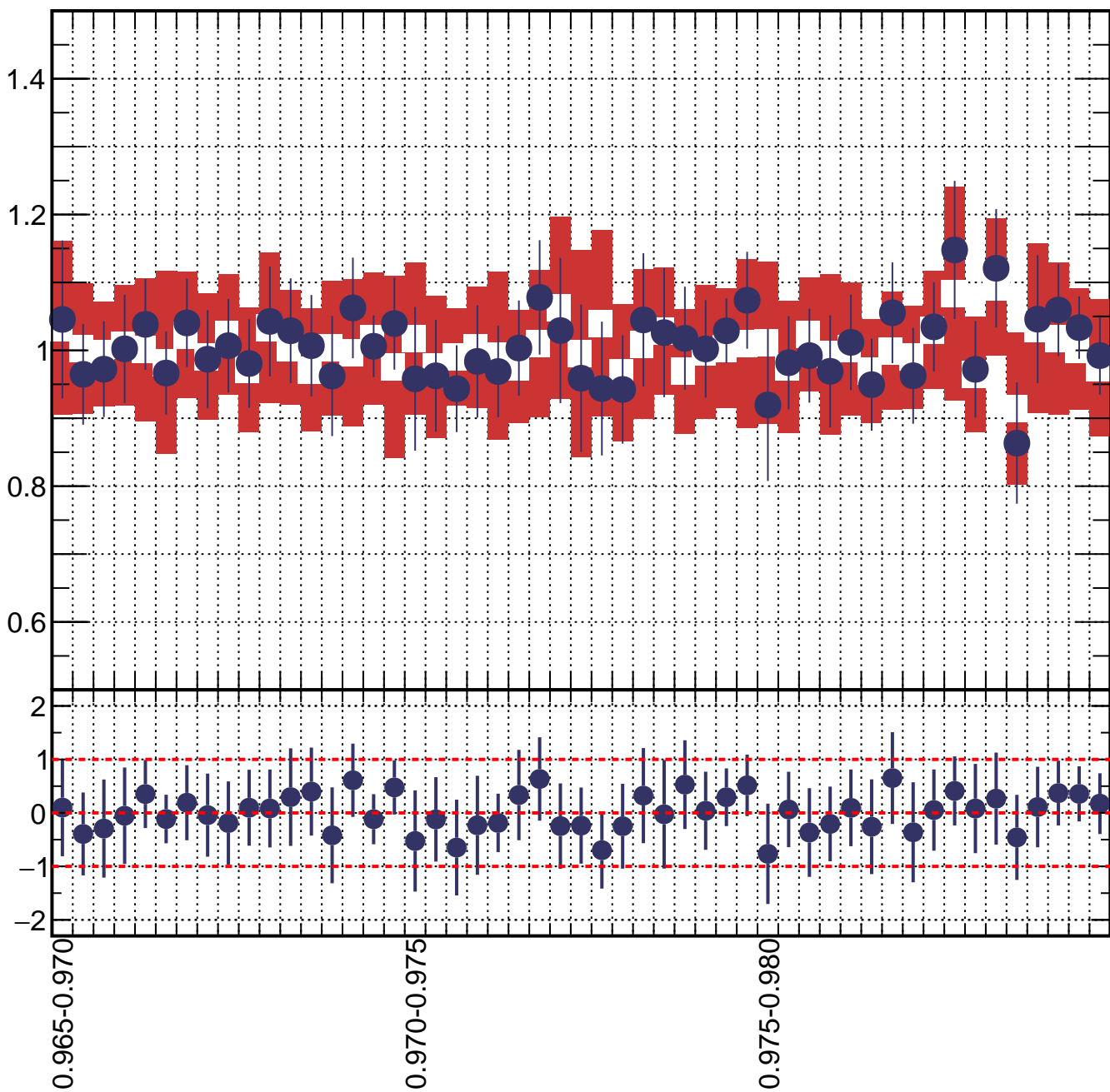


Detector bin

FGD1 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

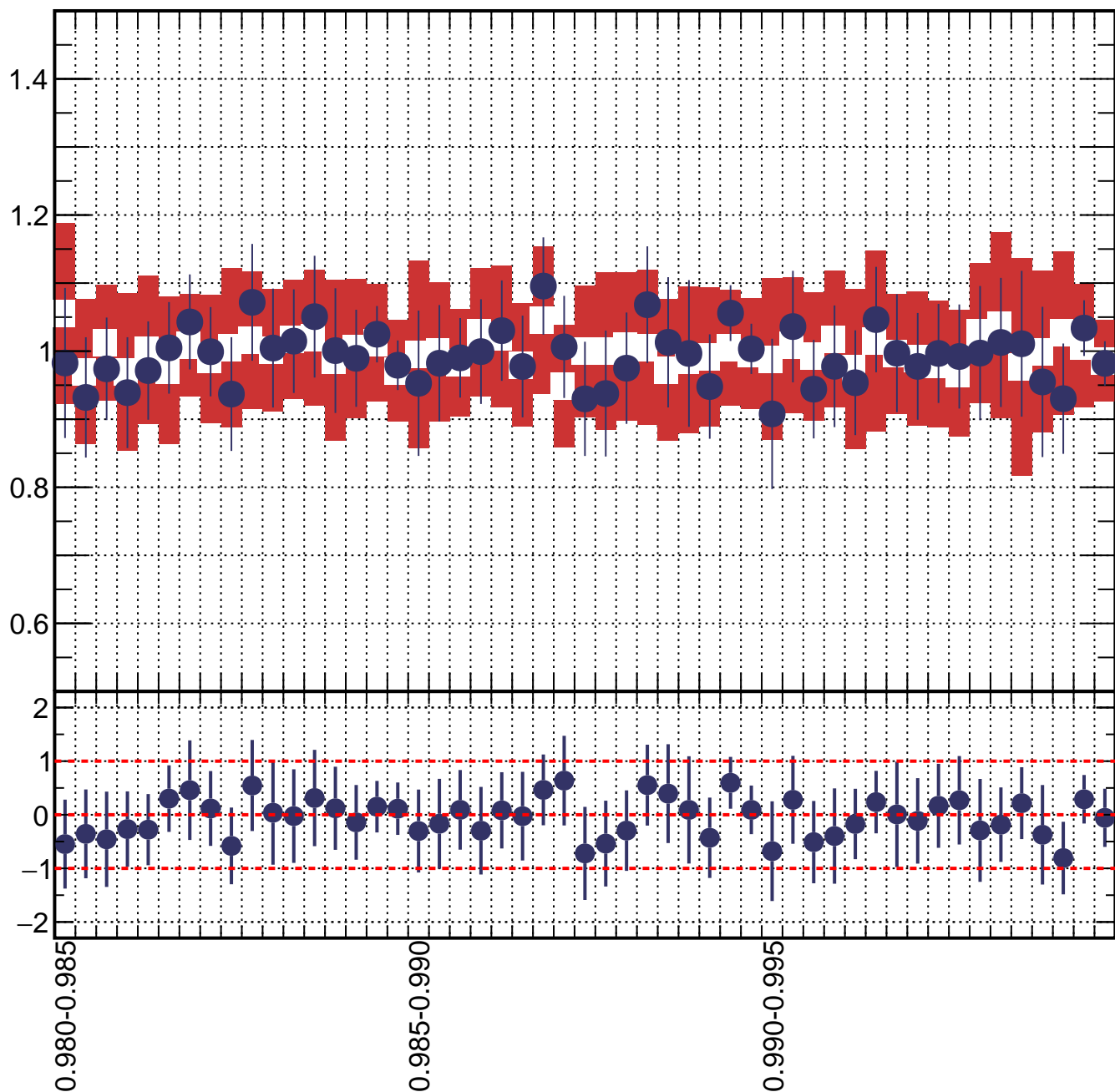


Detector bin

FGD1 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

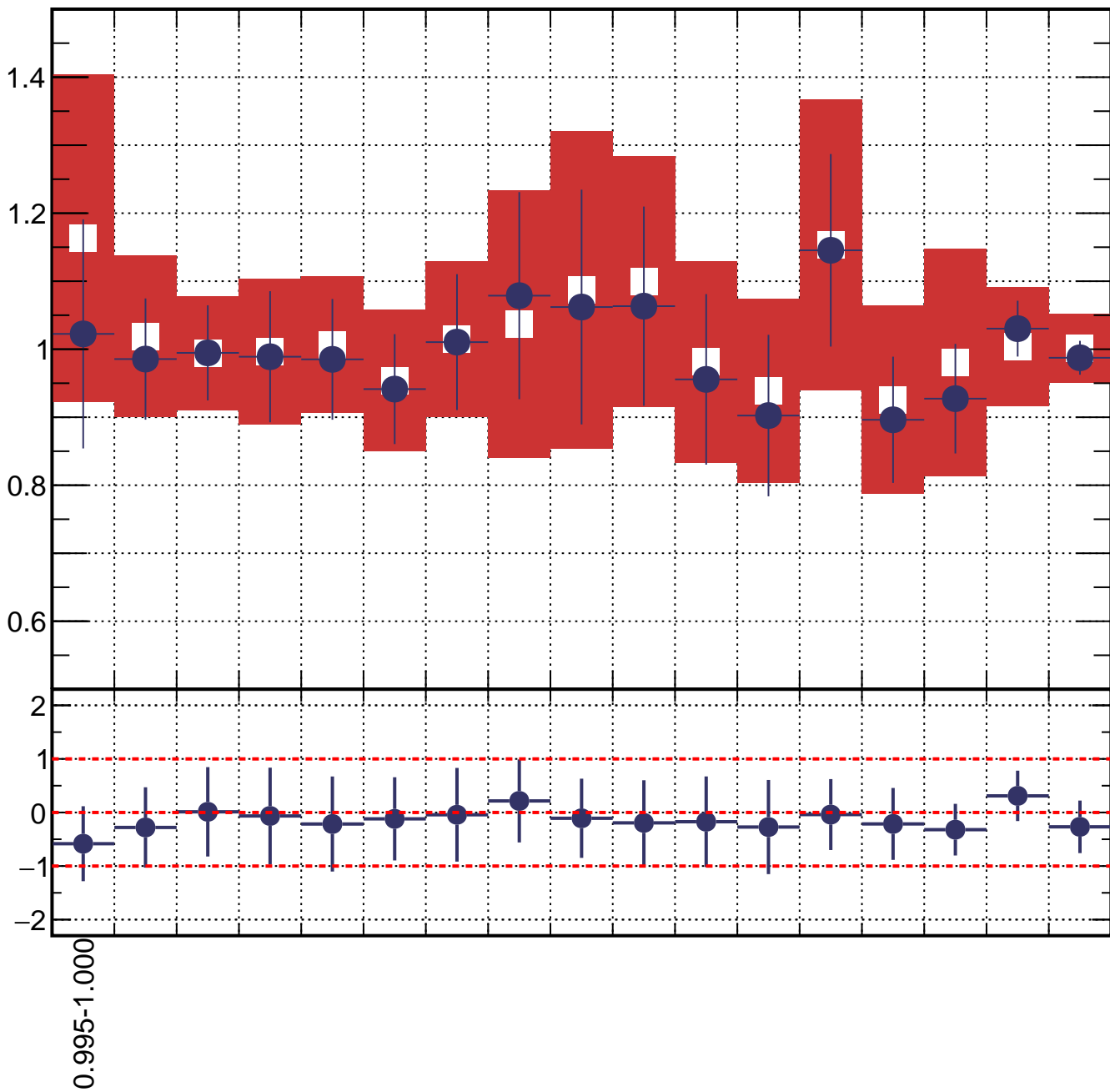


Detector bin

FGD1 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

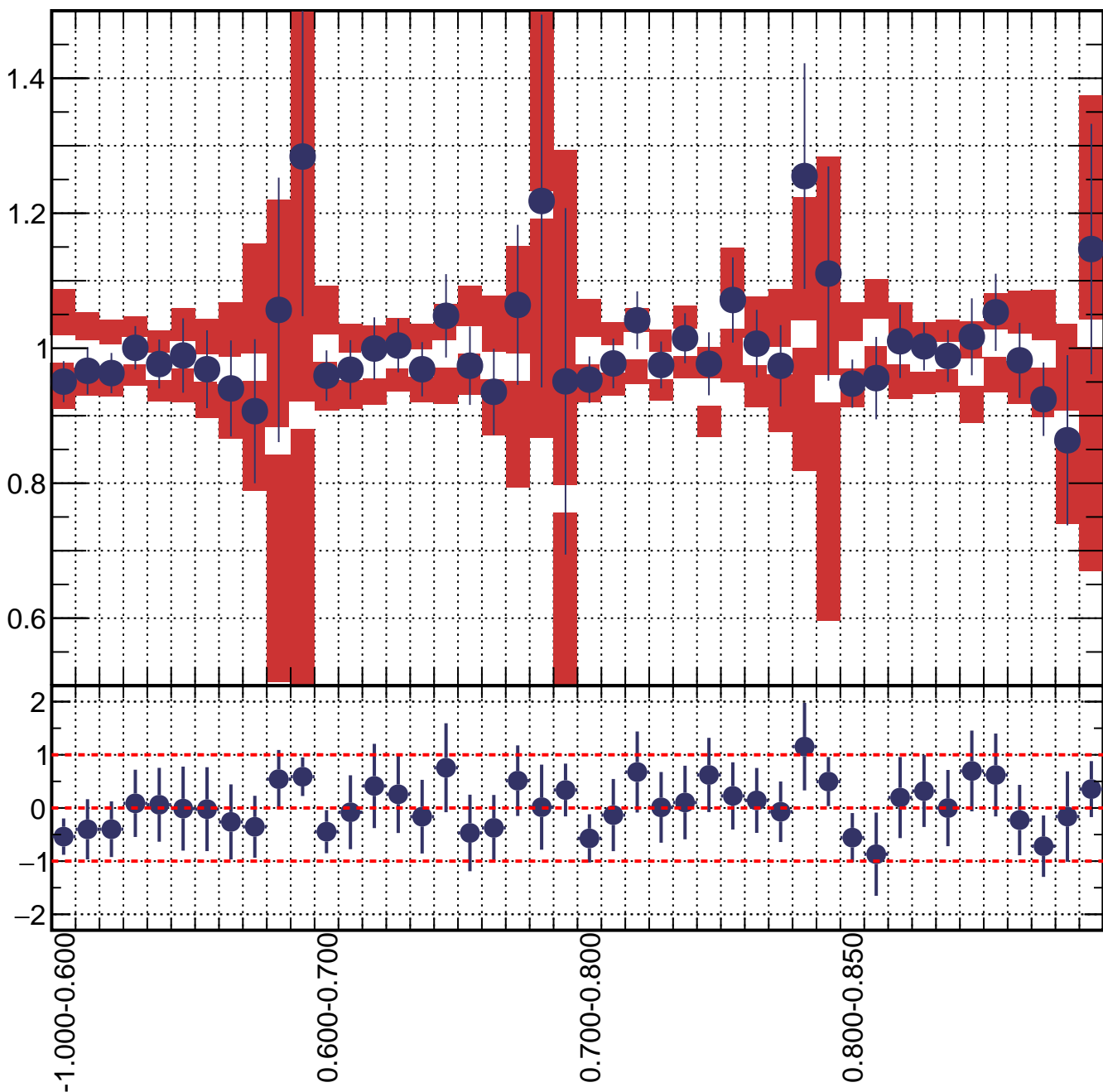


Detector bin

FGD1 ν_μ CC 1π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

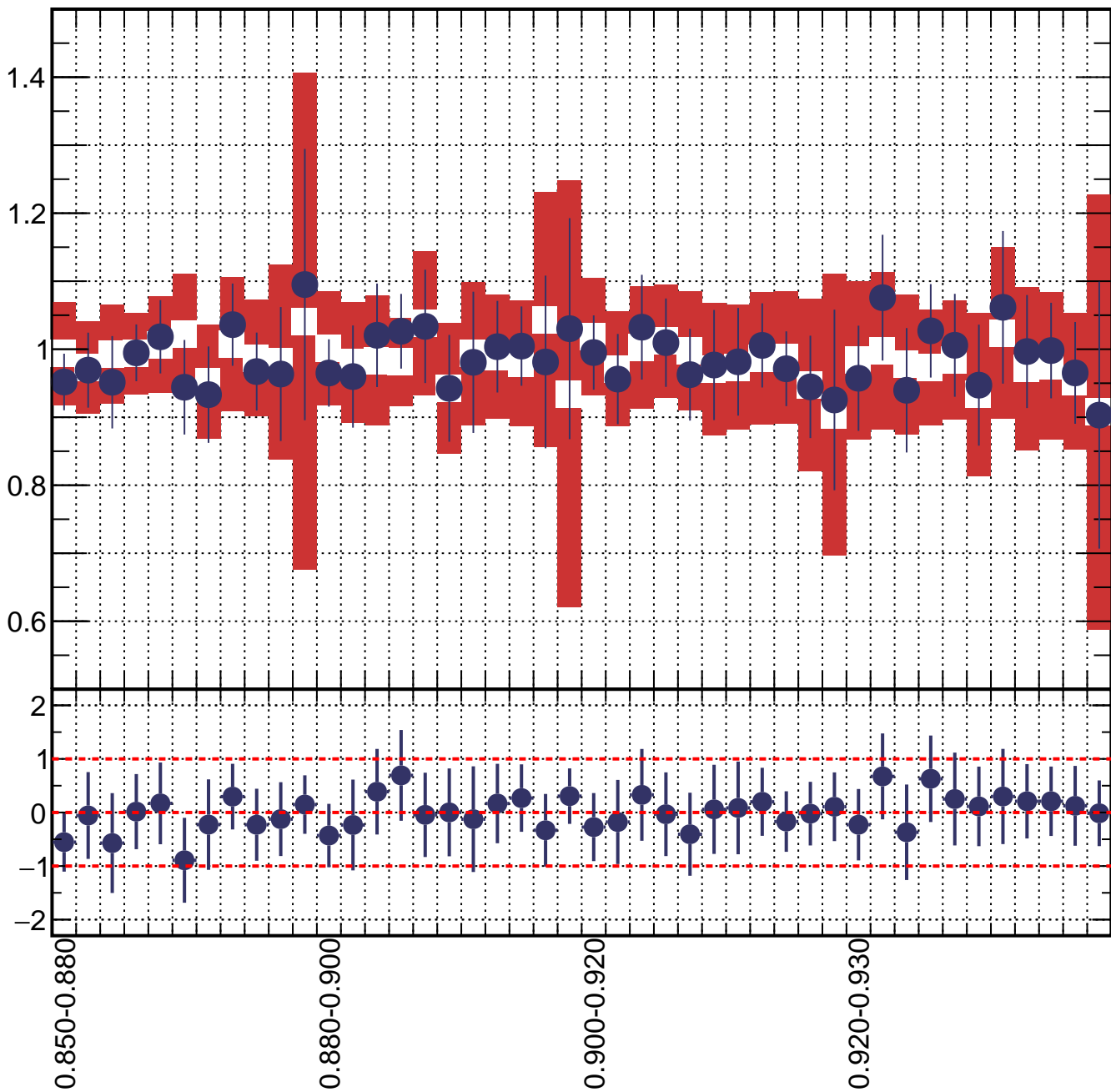


Detector bin

FGD1 ν_μ CC 1π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

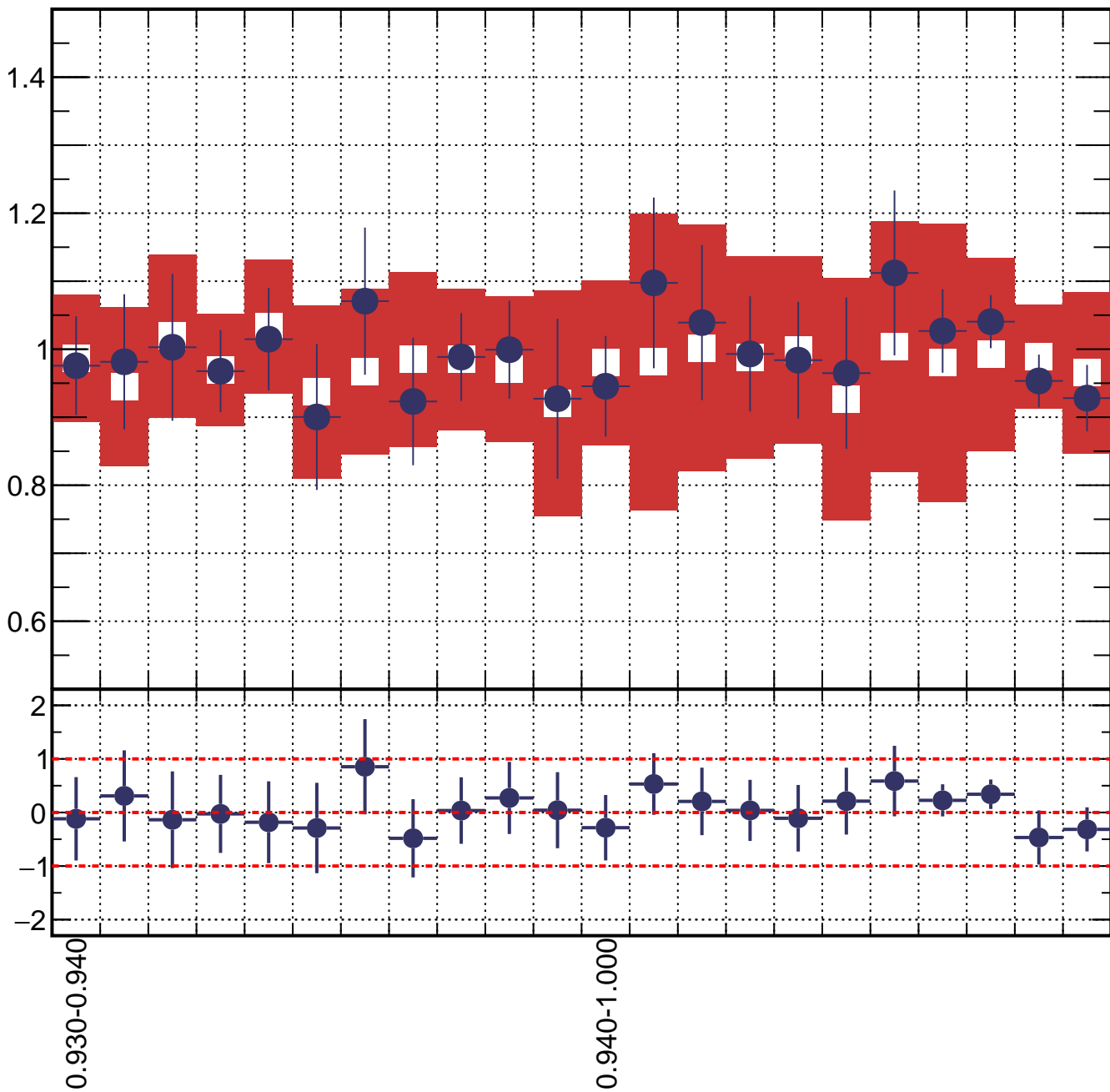


Detector bin

FGD1 ν_μ CC 1π

Variation rel. nom.

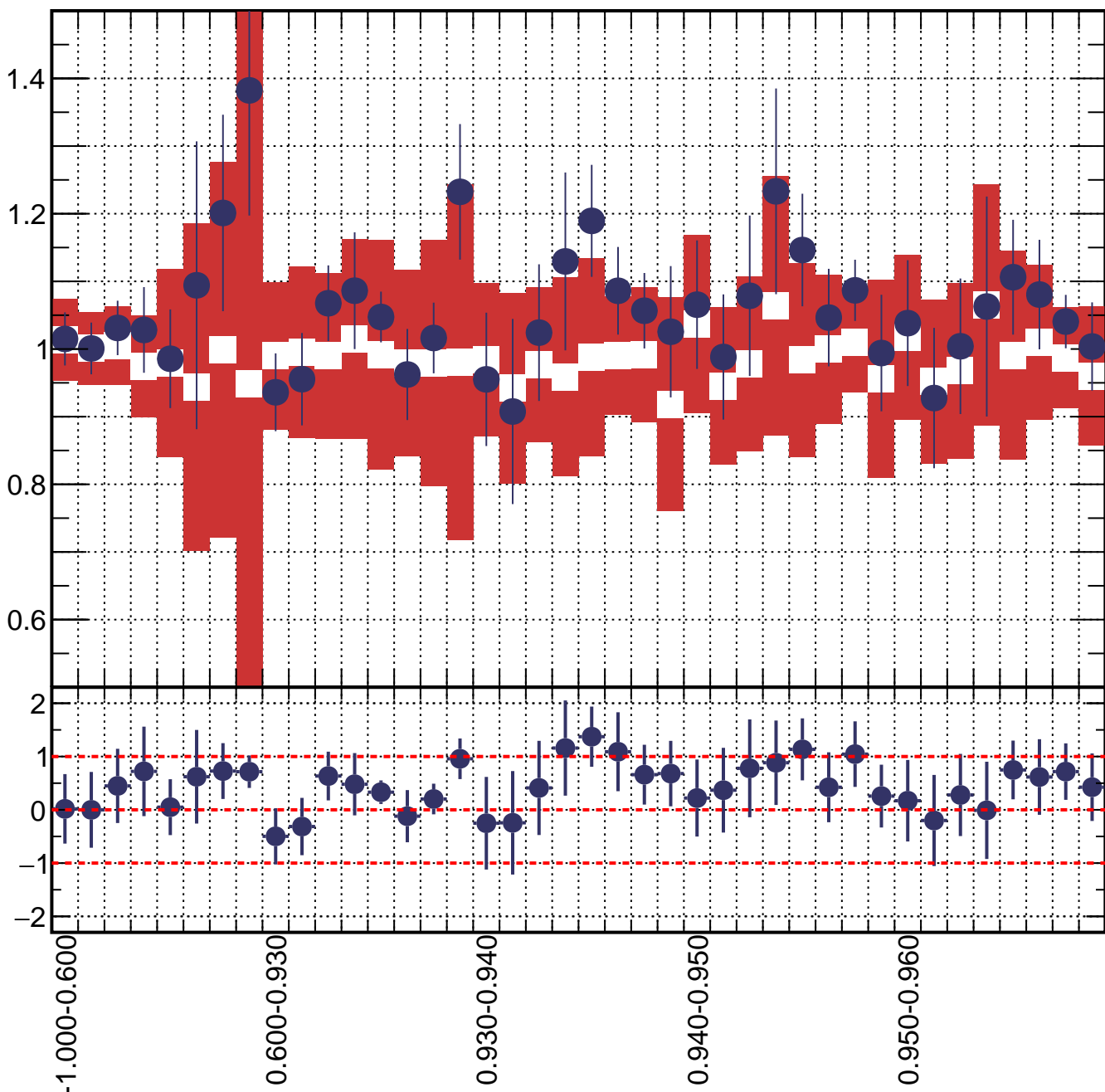
$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$



Detector bin

FGD1 ν_μ CC other

Variation rel. nom.

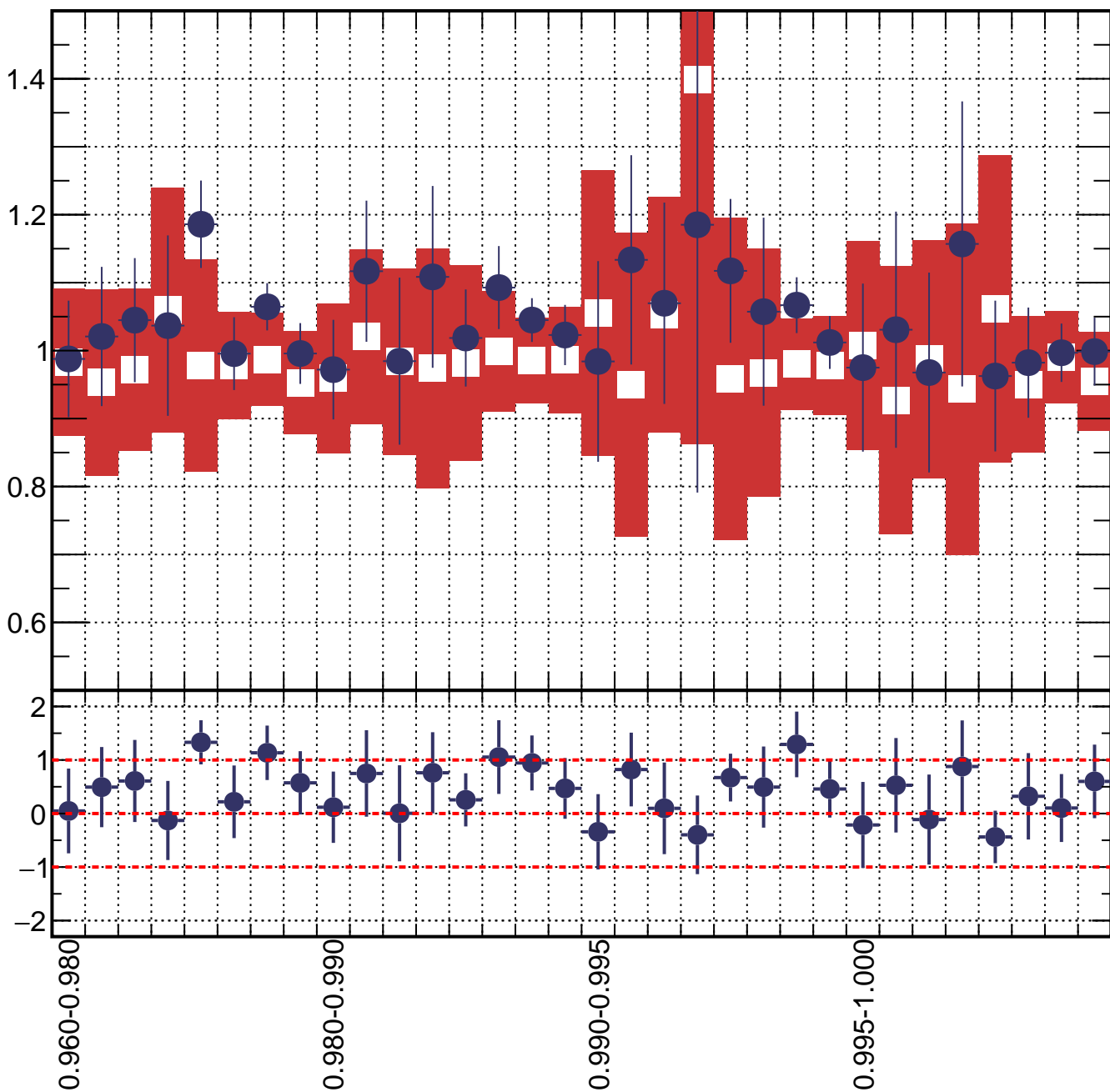
 $(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$ 

Detector bin

FGD1 ν_μ CC other

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

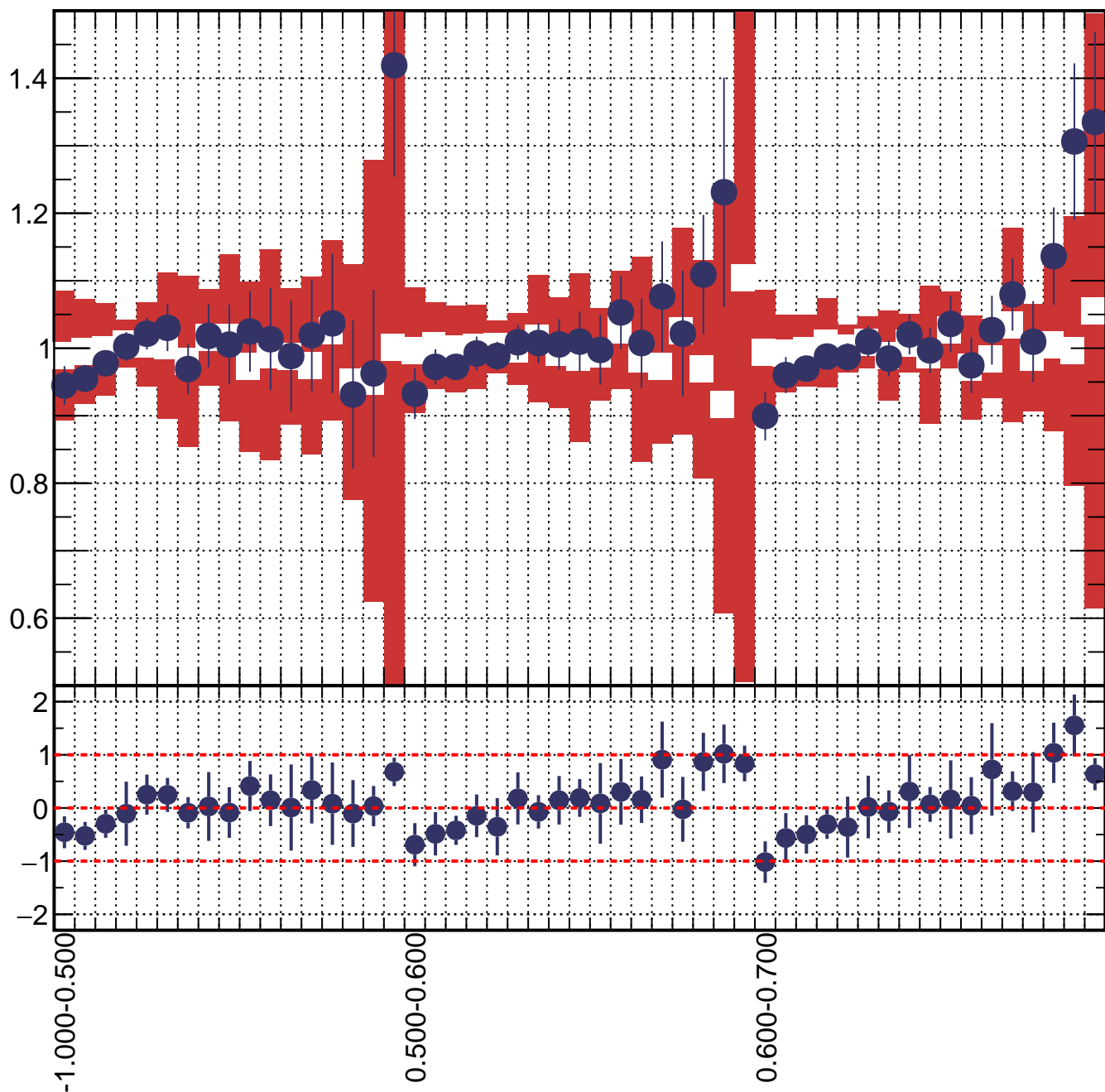


Detector bin

FGD2 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

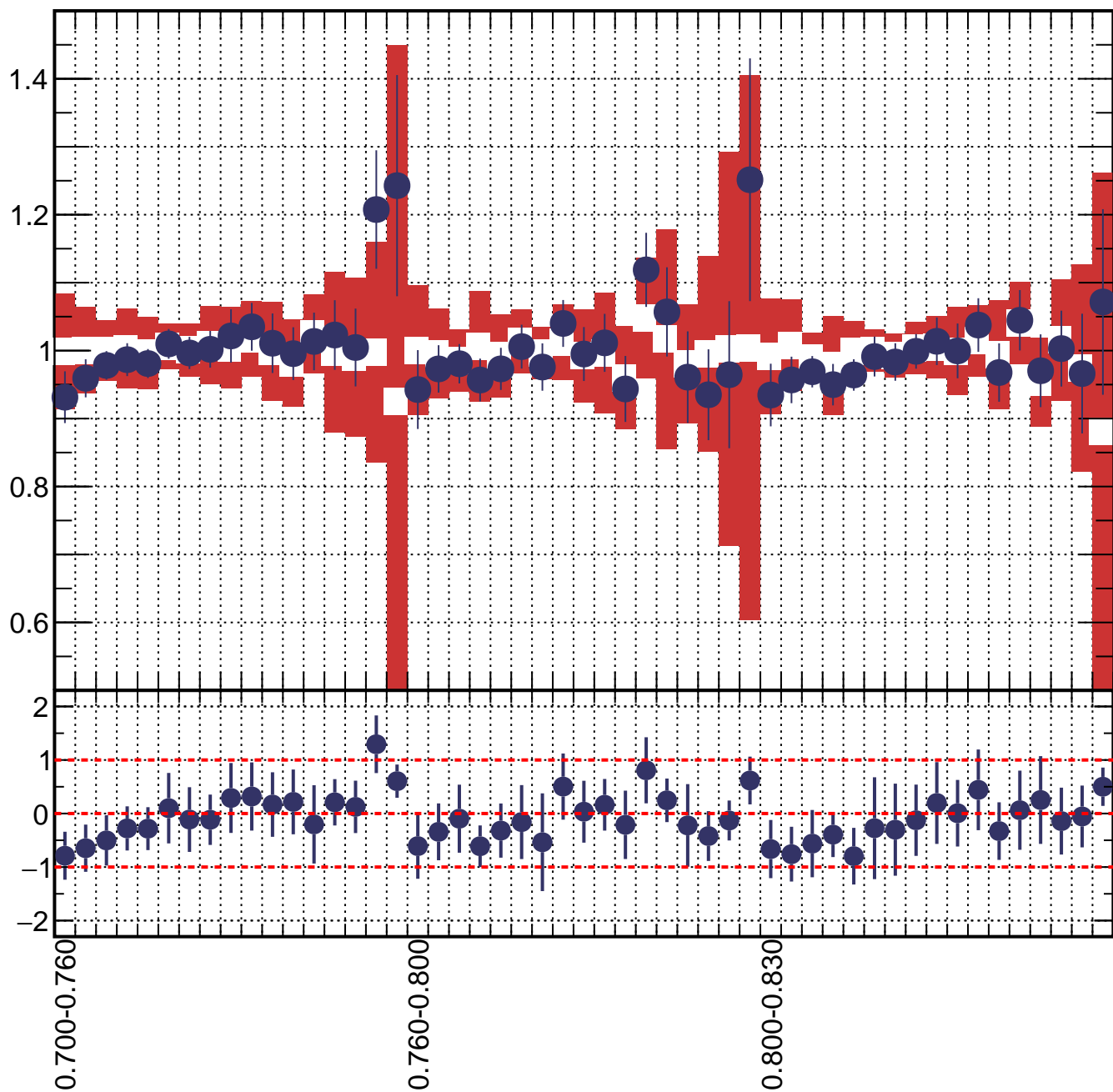


Detector bin

FGD2 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

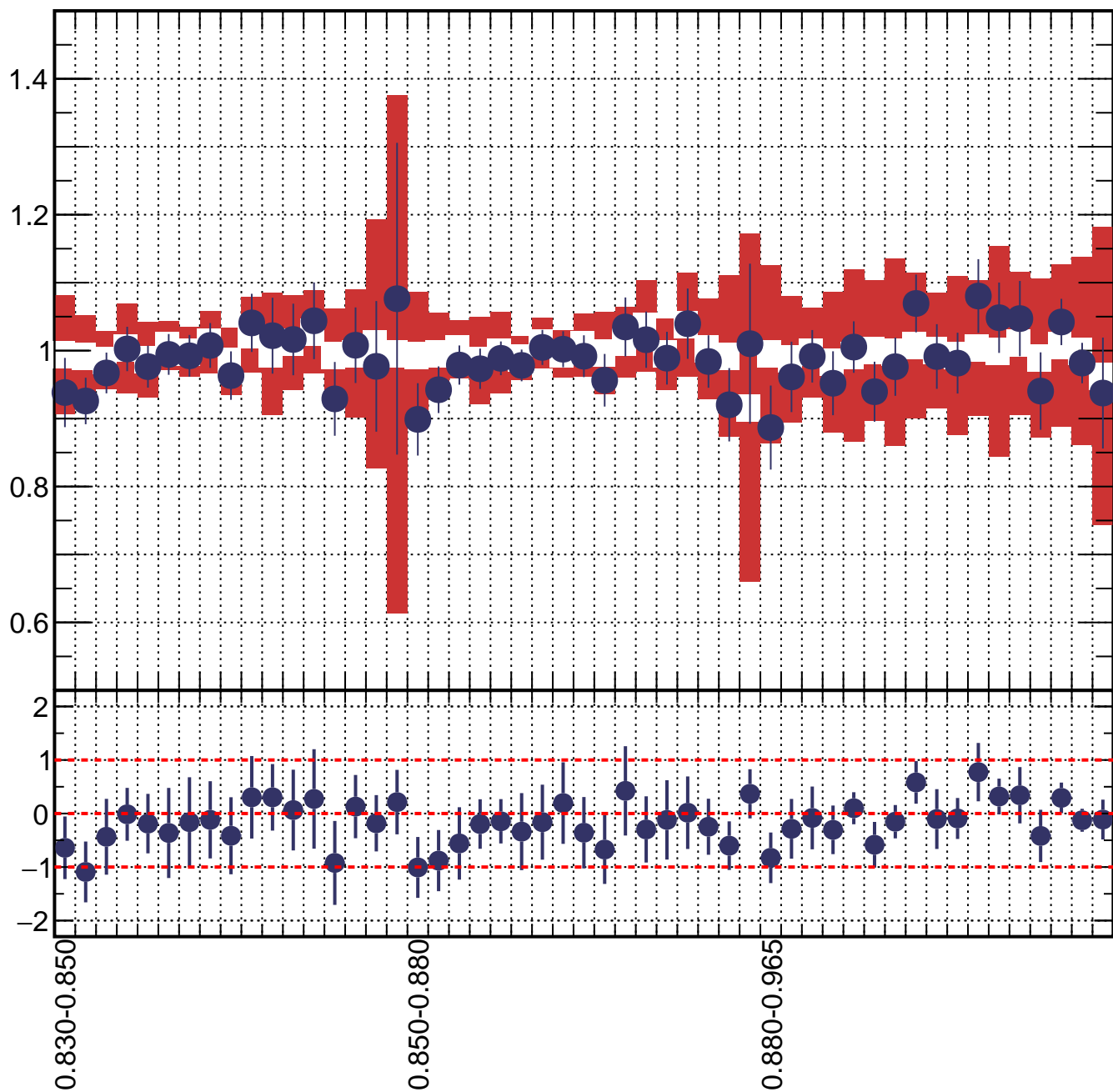


Detector bin

FGD2 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

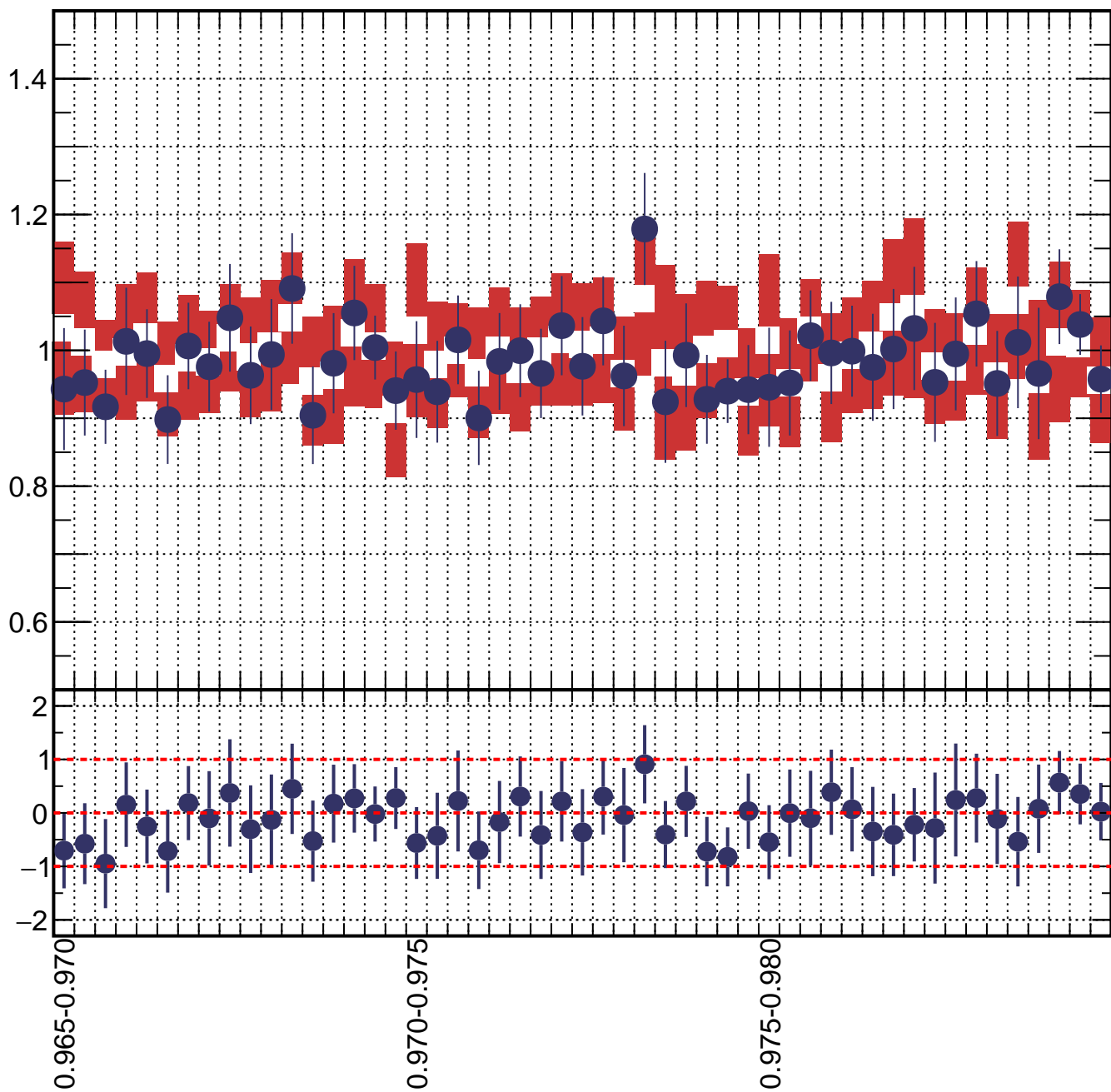


Detector bin

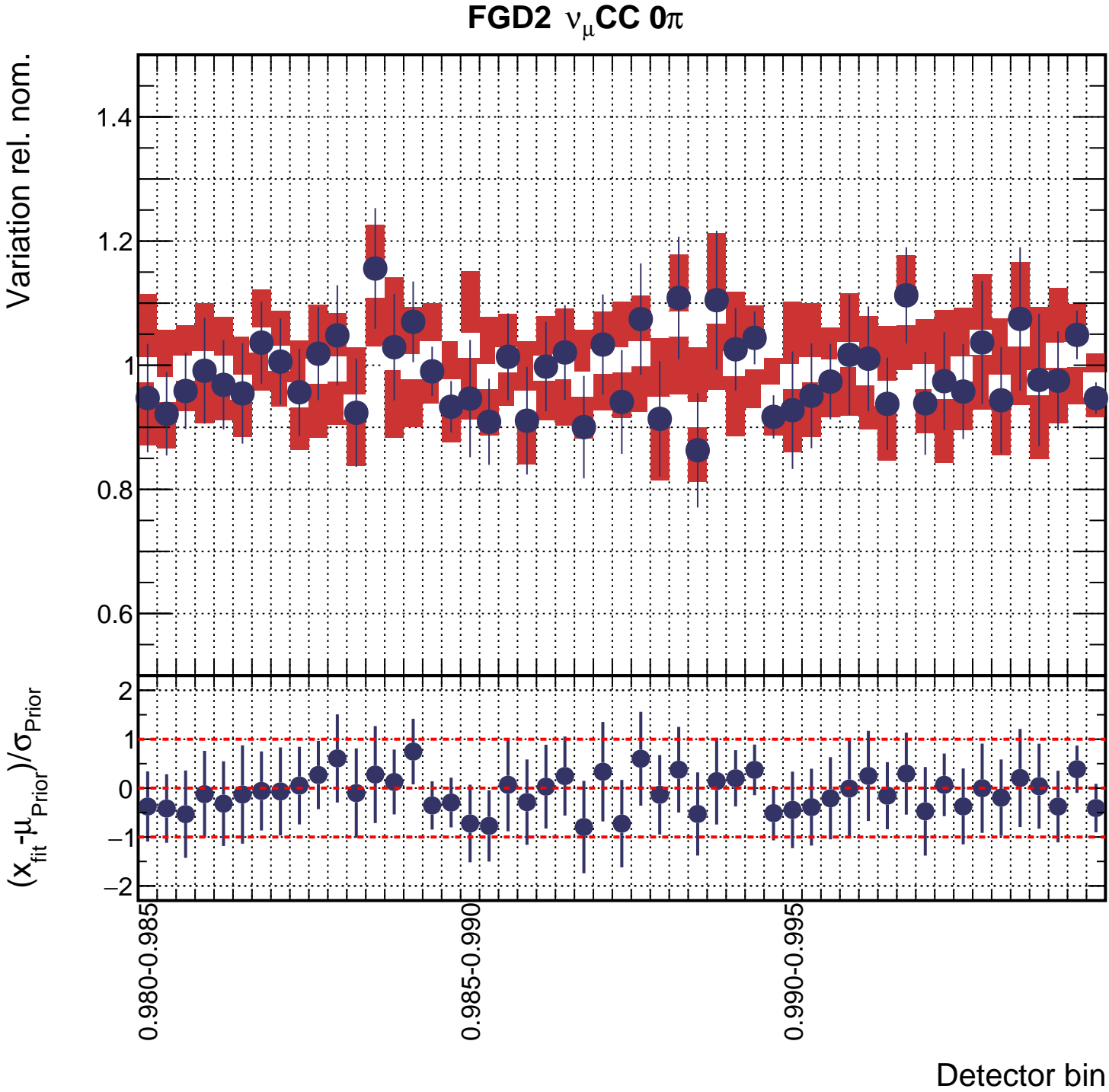
FGD2 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$



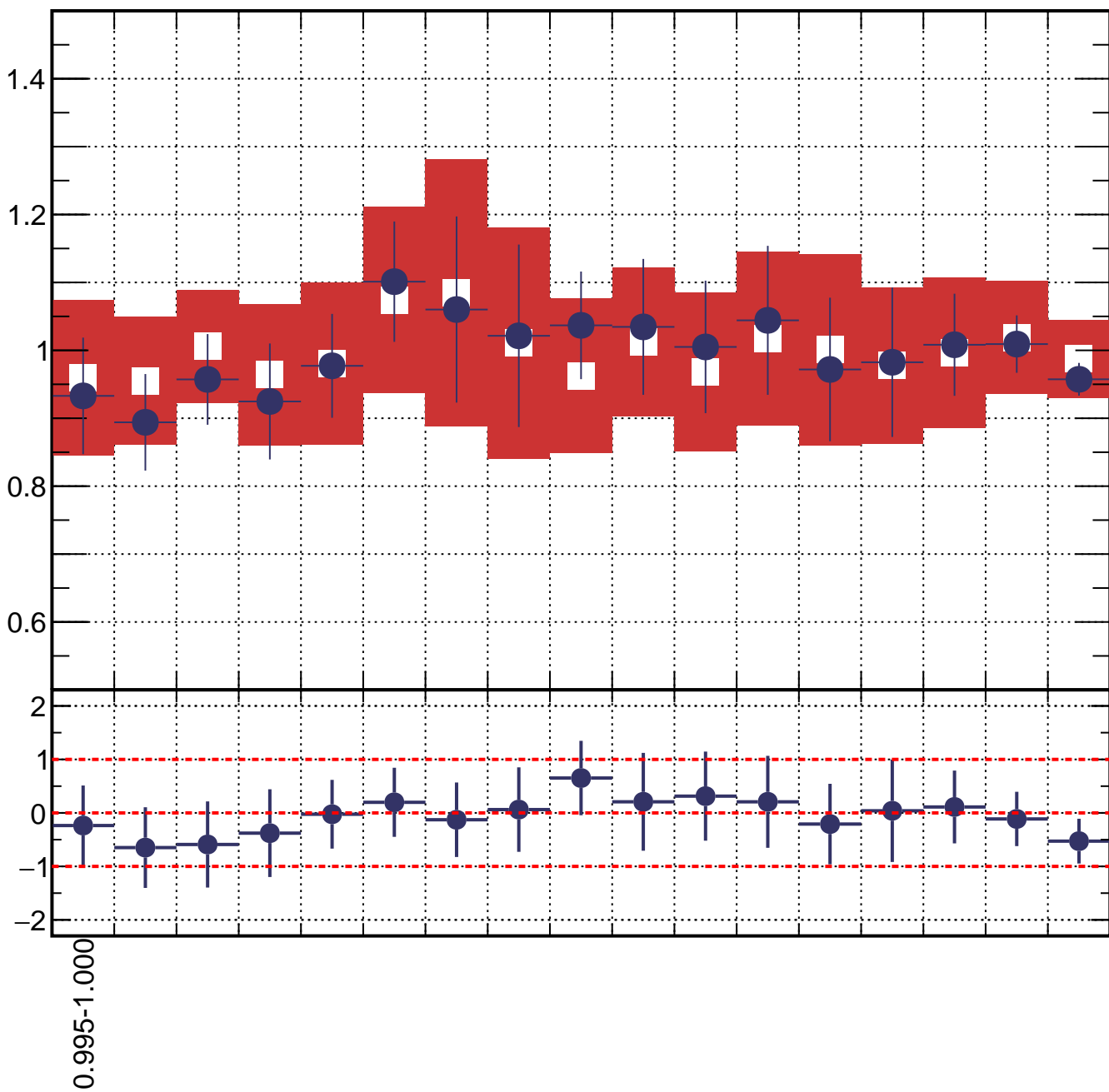
Detector bin



FGD2 ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

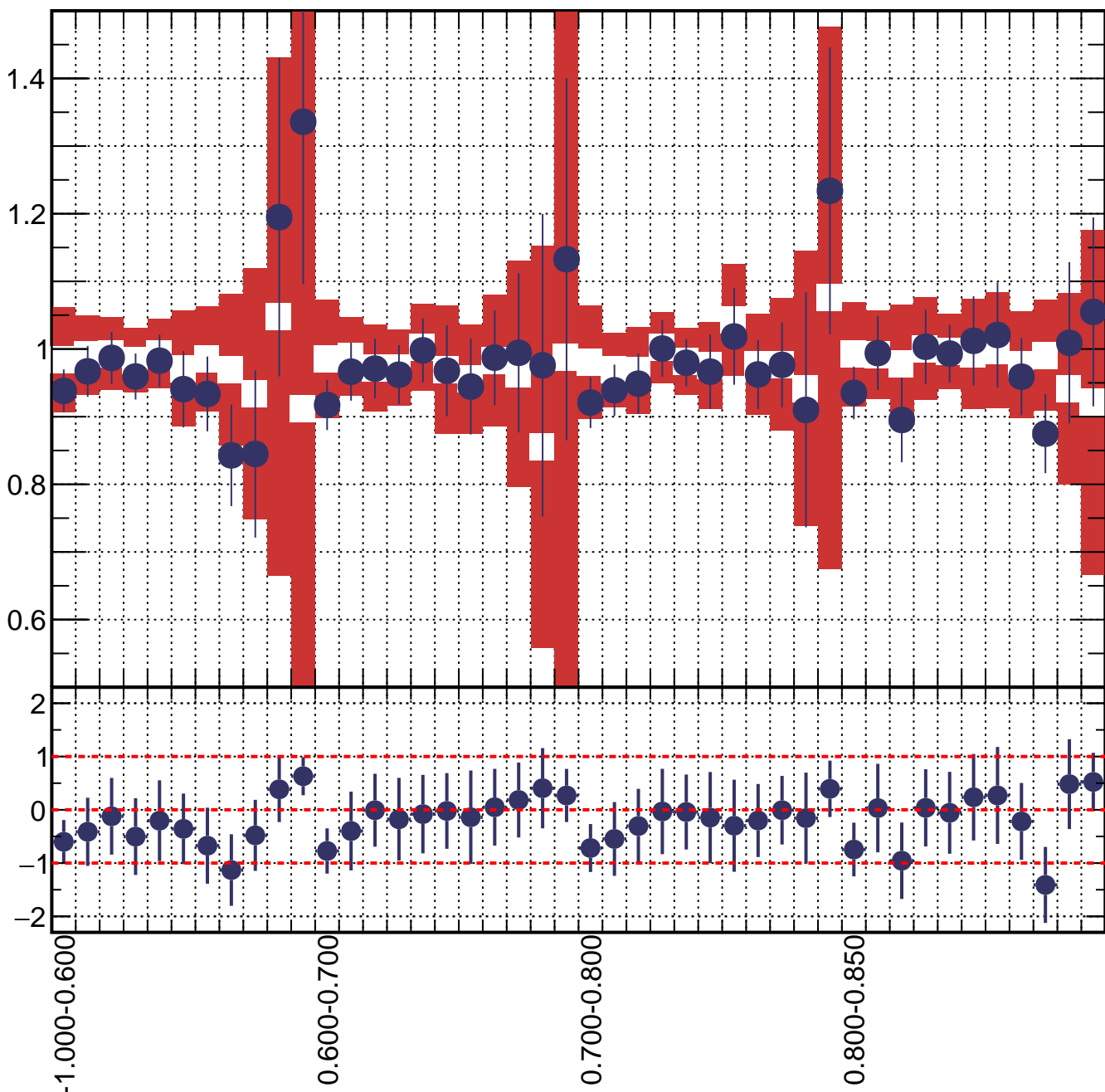


Detector bin

FGD2 ν_μ CC 1π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

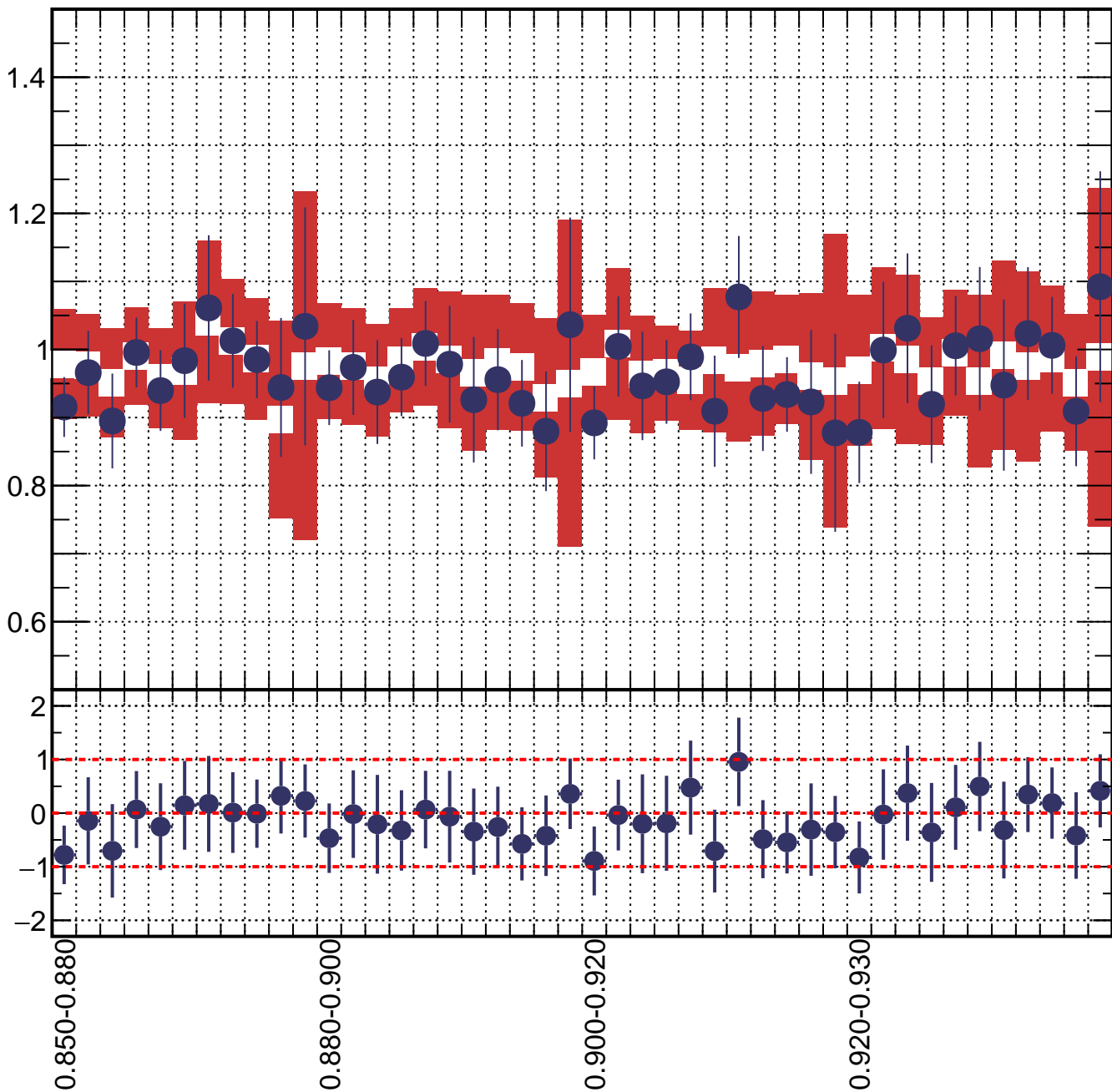


Detector bin

FGD2 ν_μ CC 1π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

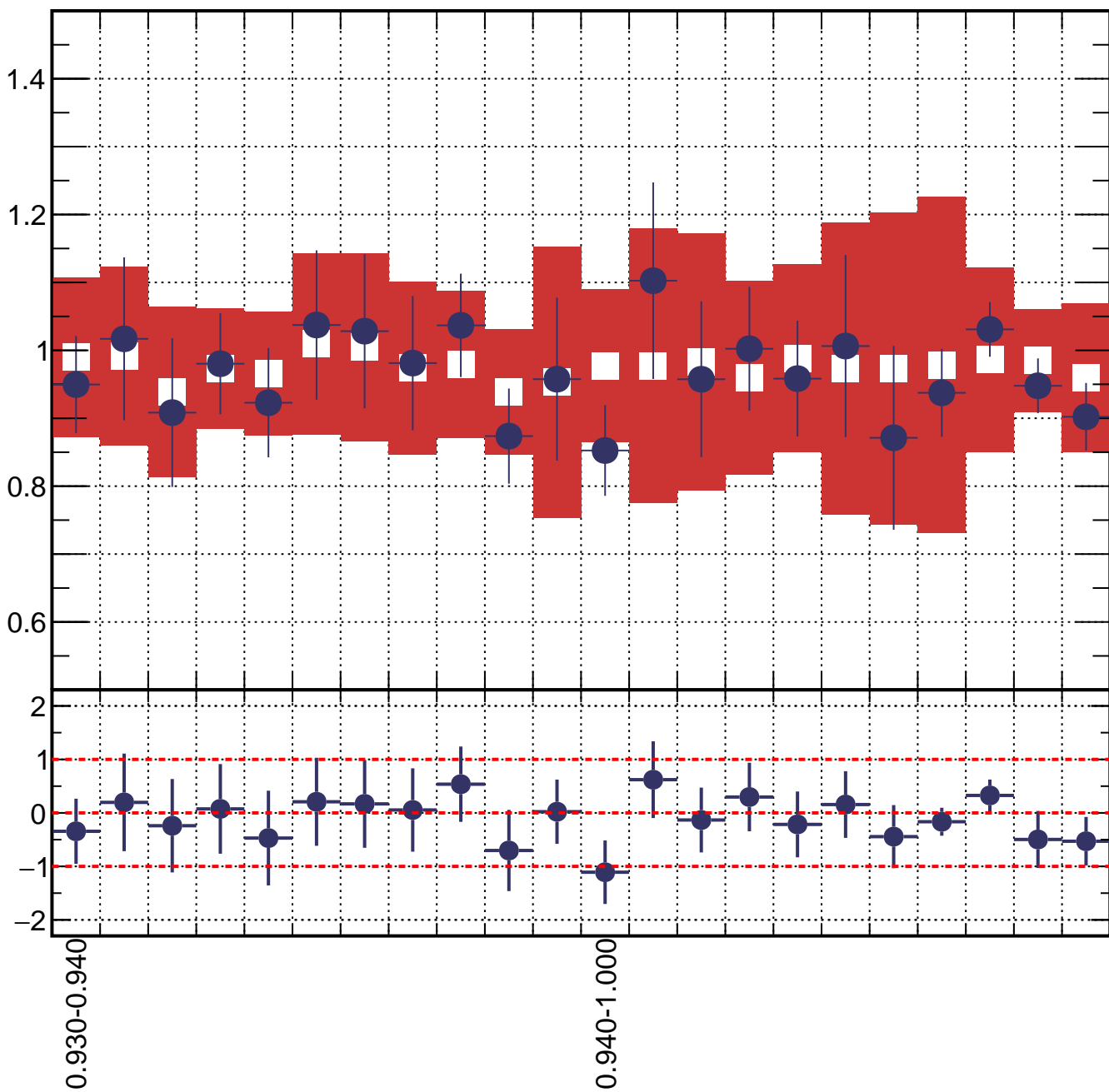


Detector bin

FGD2 ν_μ CC 1π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

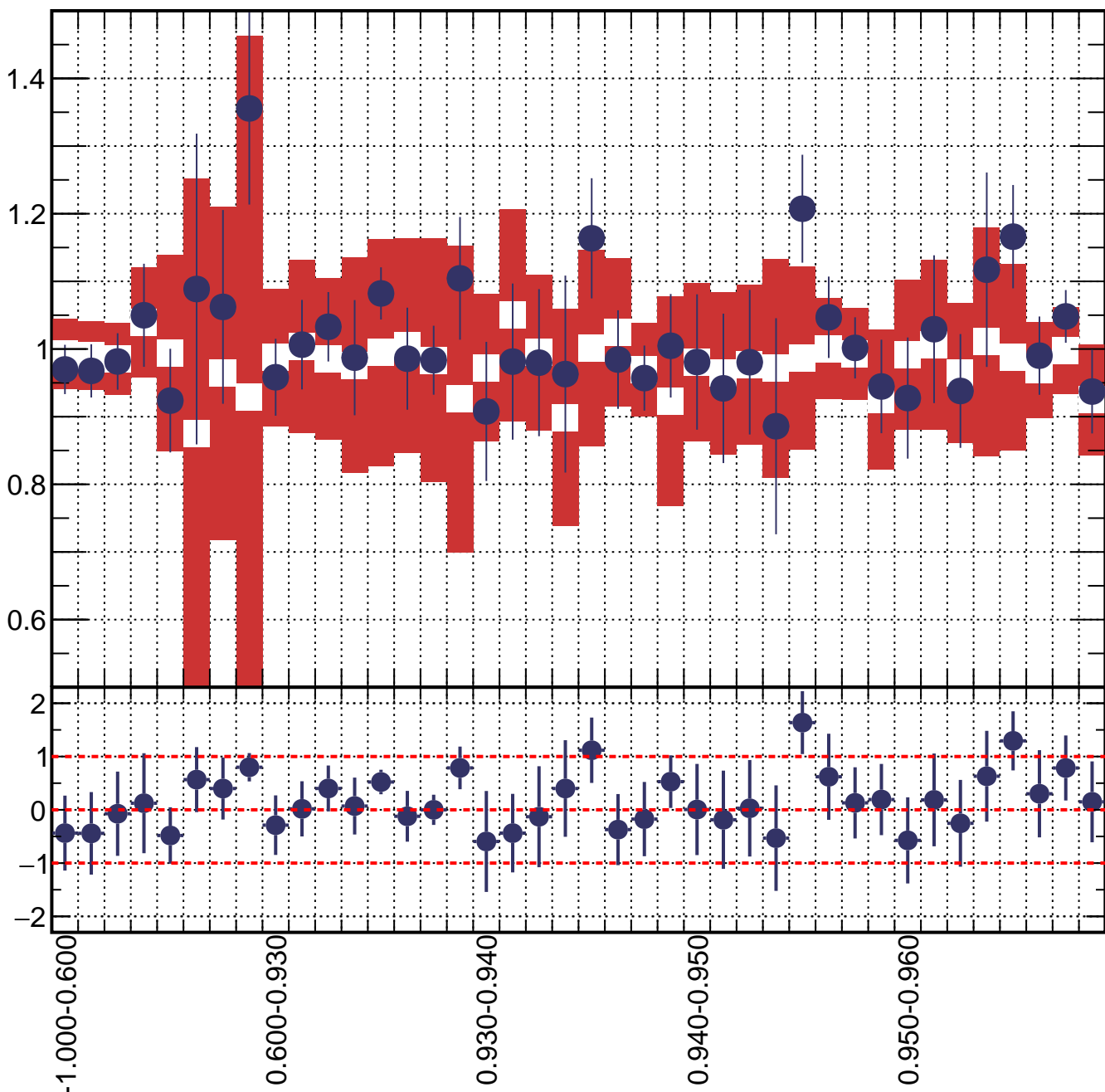


Detector bin

FGD2 ν_μ CC other

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

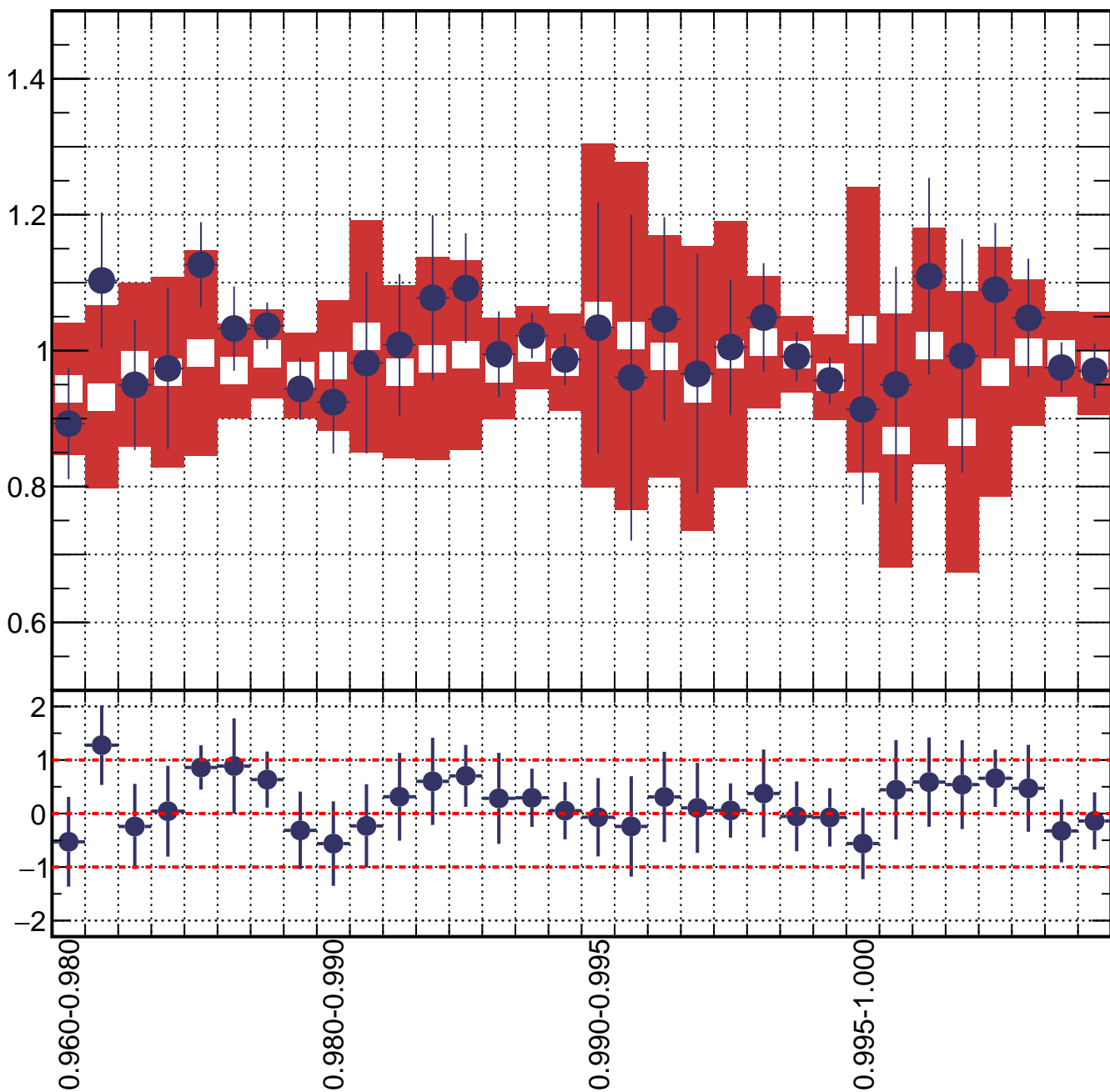


Detector bin

FGD2 ν_μ CC other

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

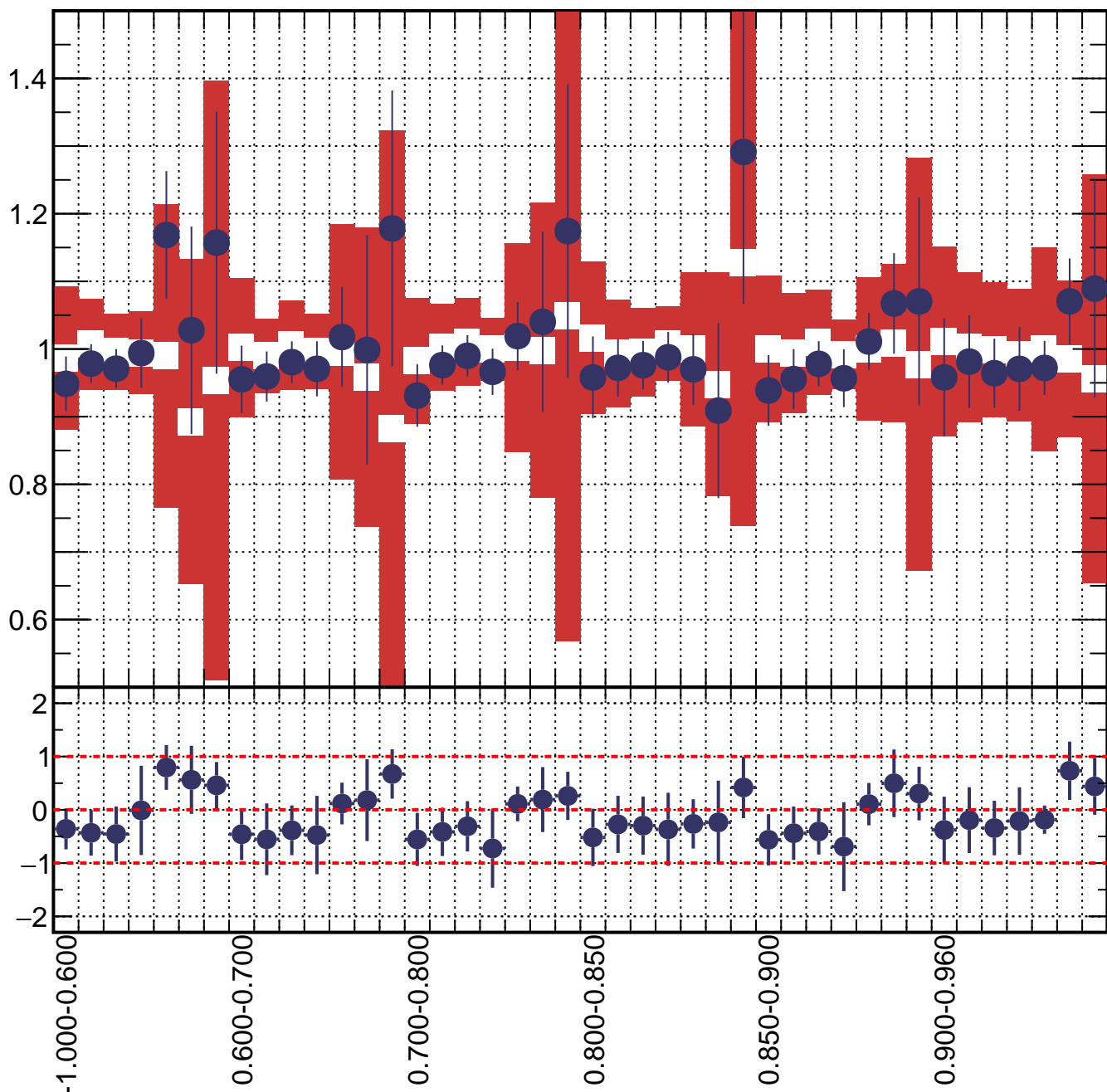


Detector bin

FGD1 anti- ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

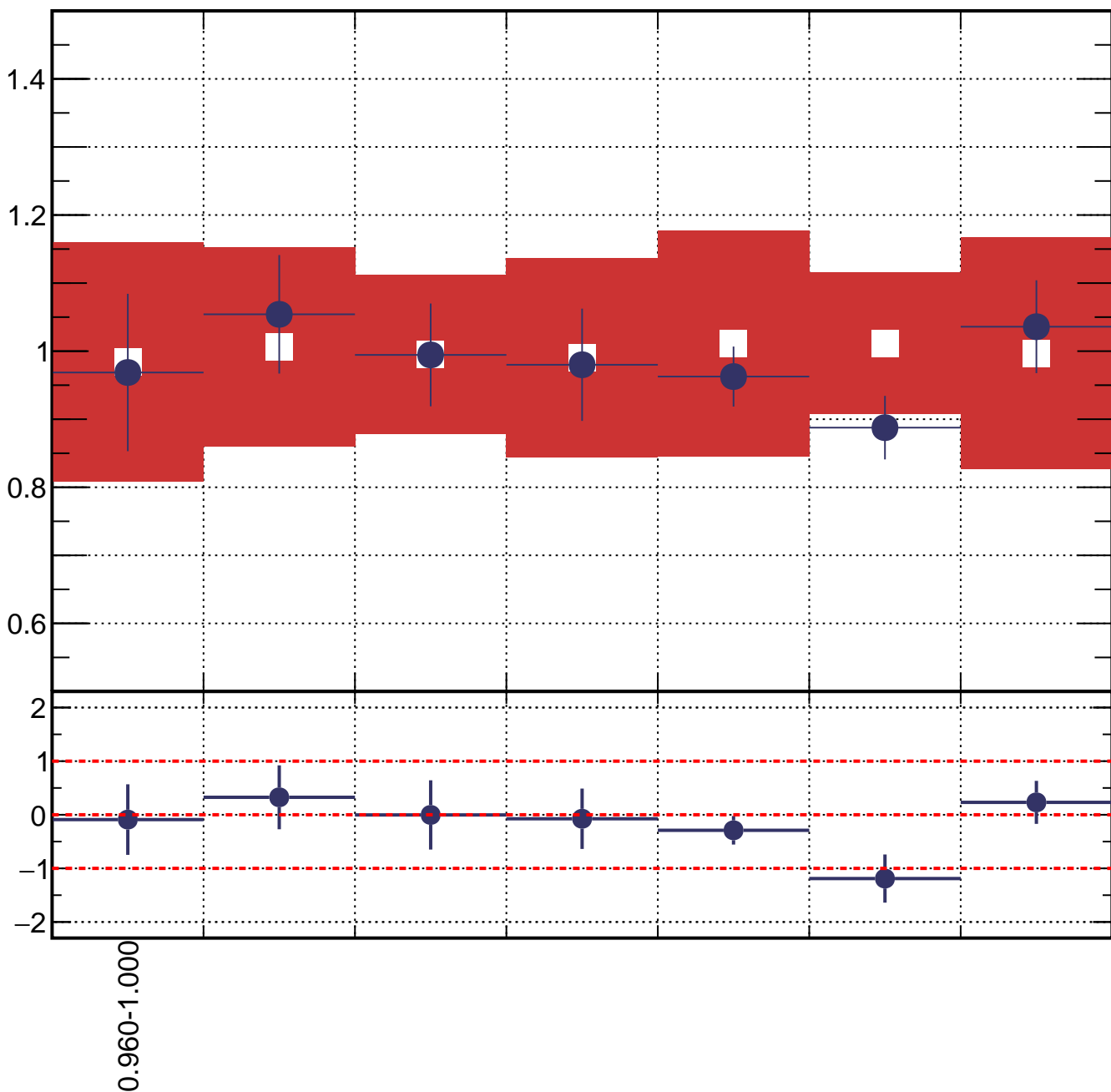


Detector bin

FGD1 anti- ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

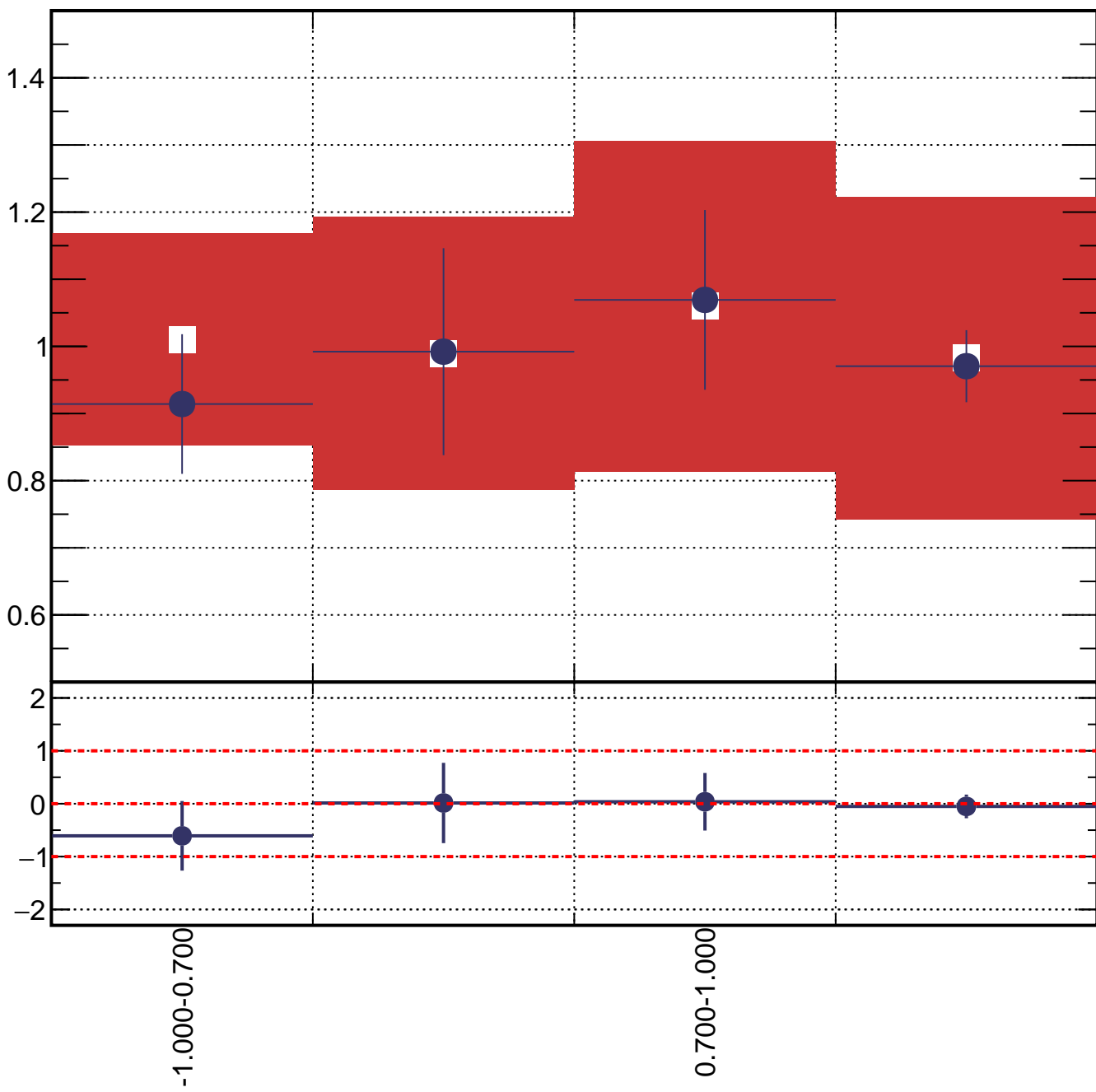


Detector bin

FGD1 anti- ν_μ CC 1π

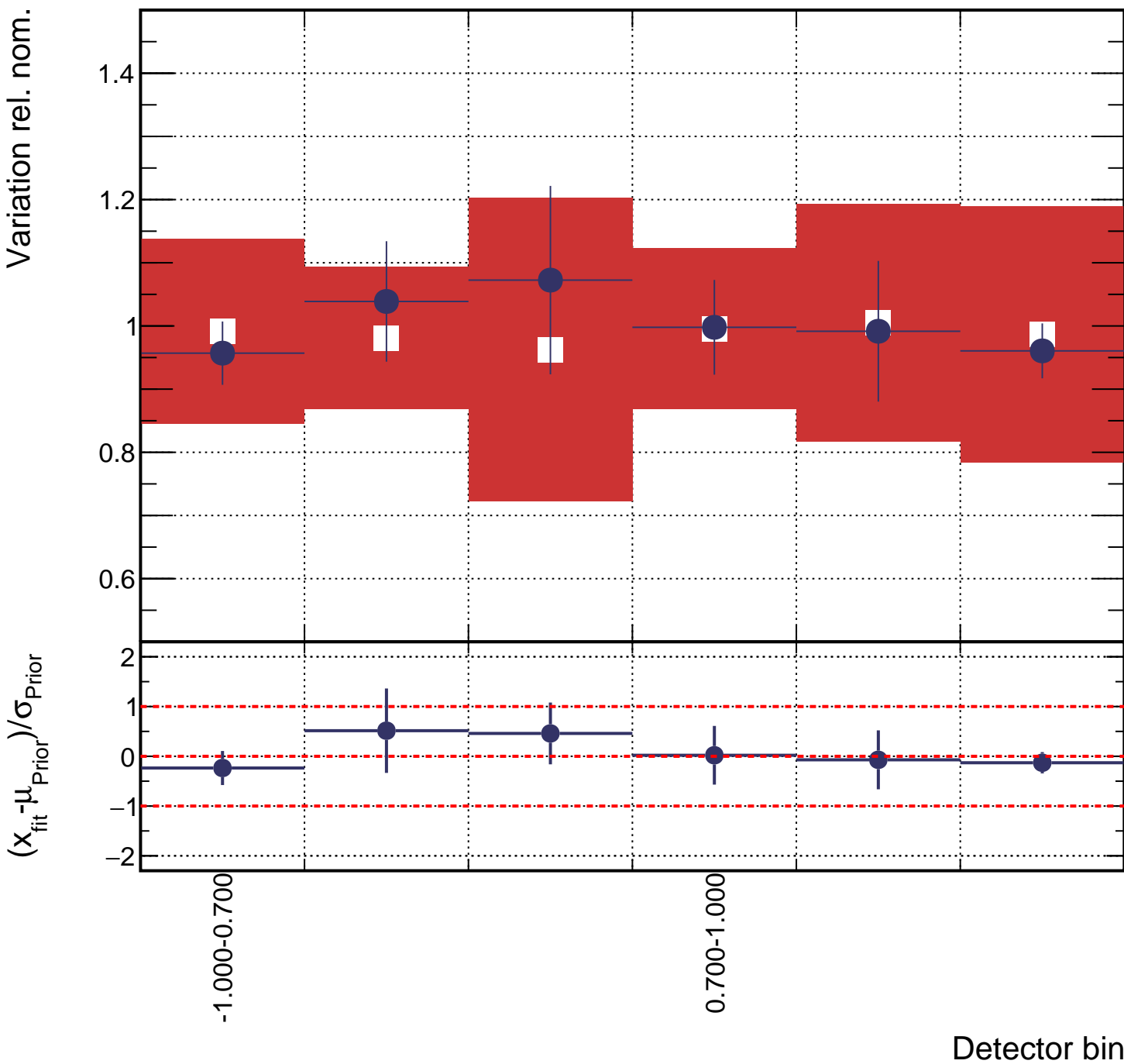
Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$



Detector bin

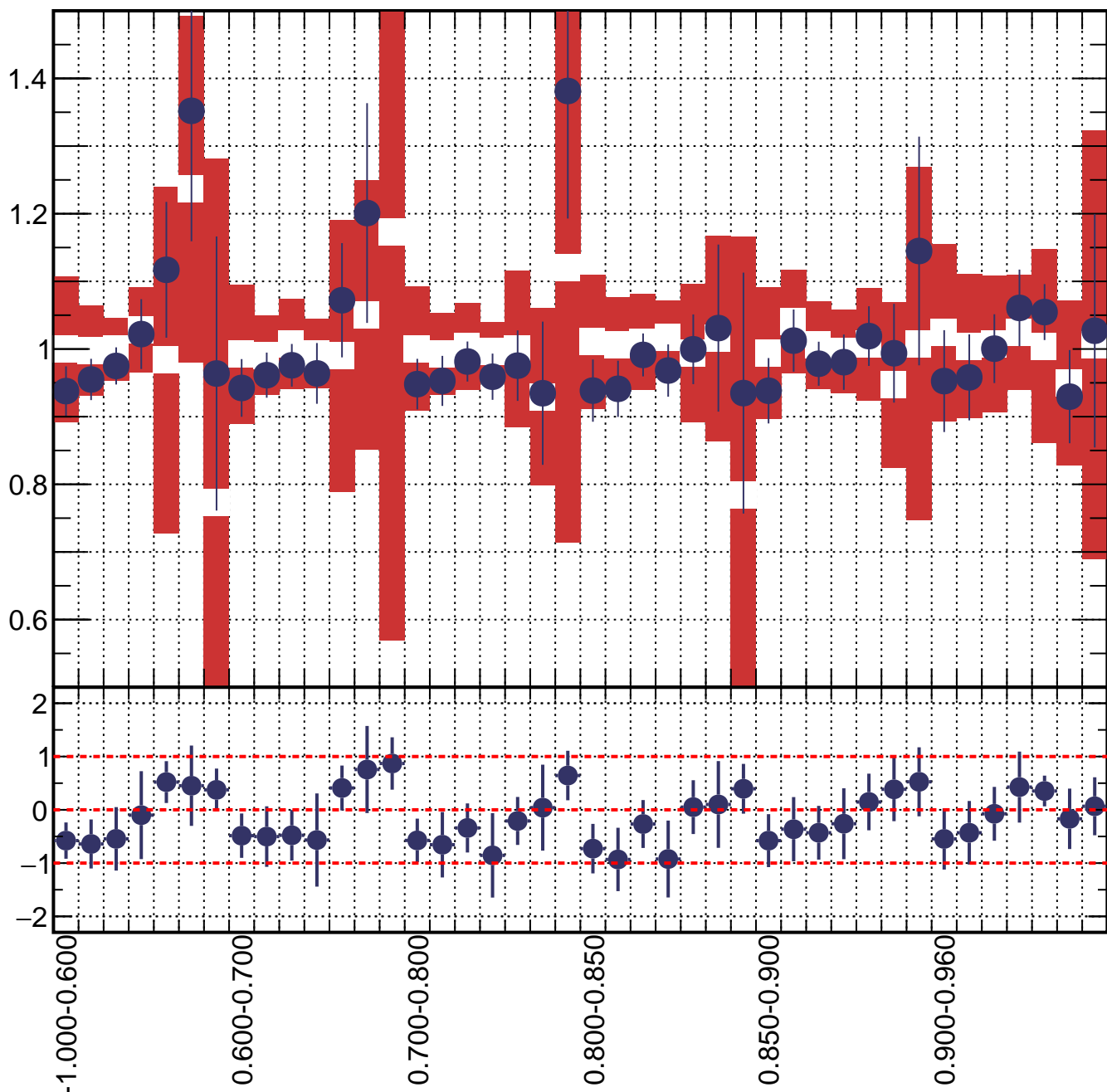
FGD1 anti- ν_μ CC other



FGD2 anti- ν_μ CC 0π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

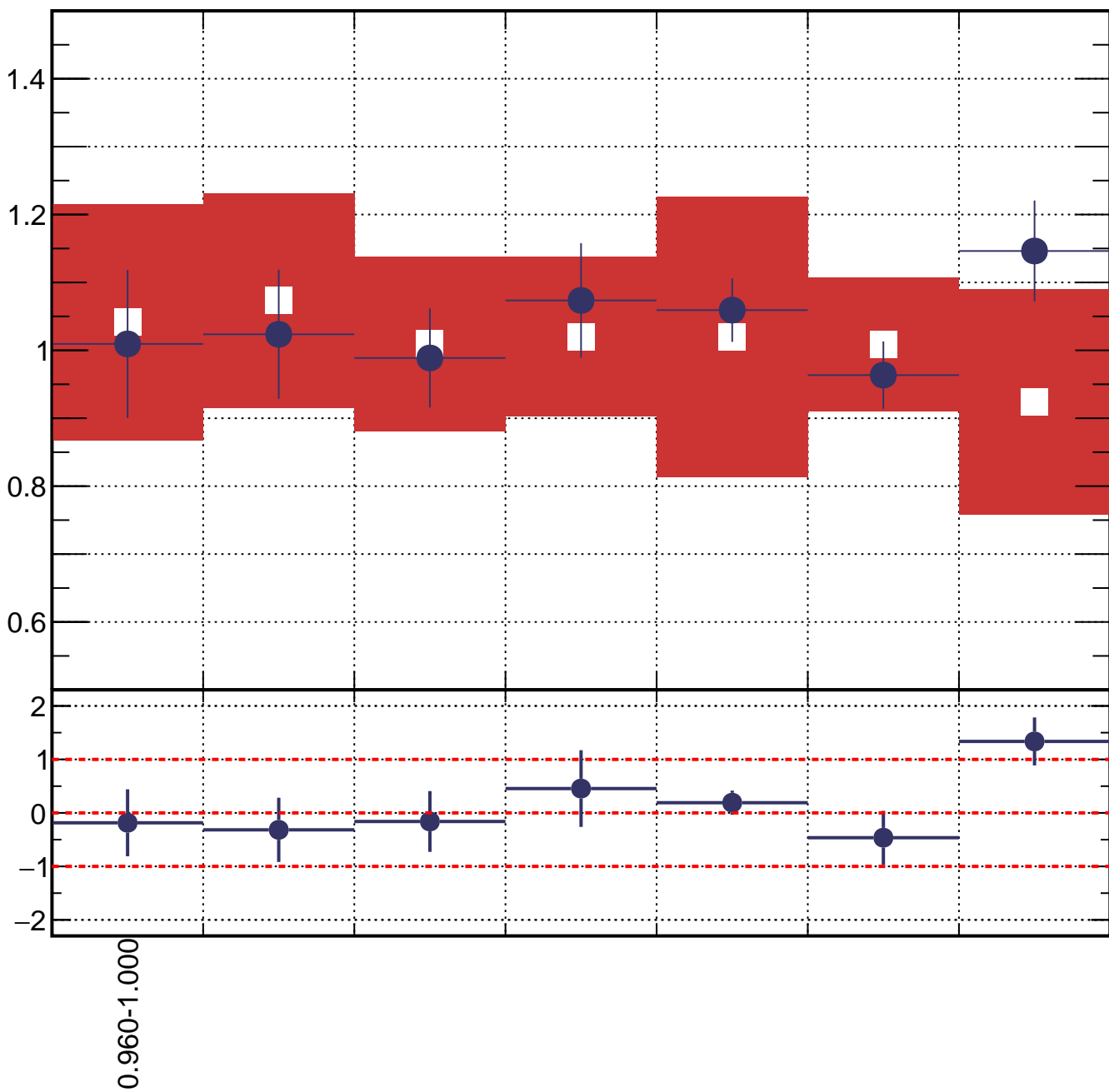


Detector bin

FGD2 anti- ν_μ CC 0π

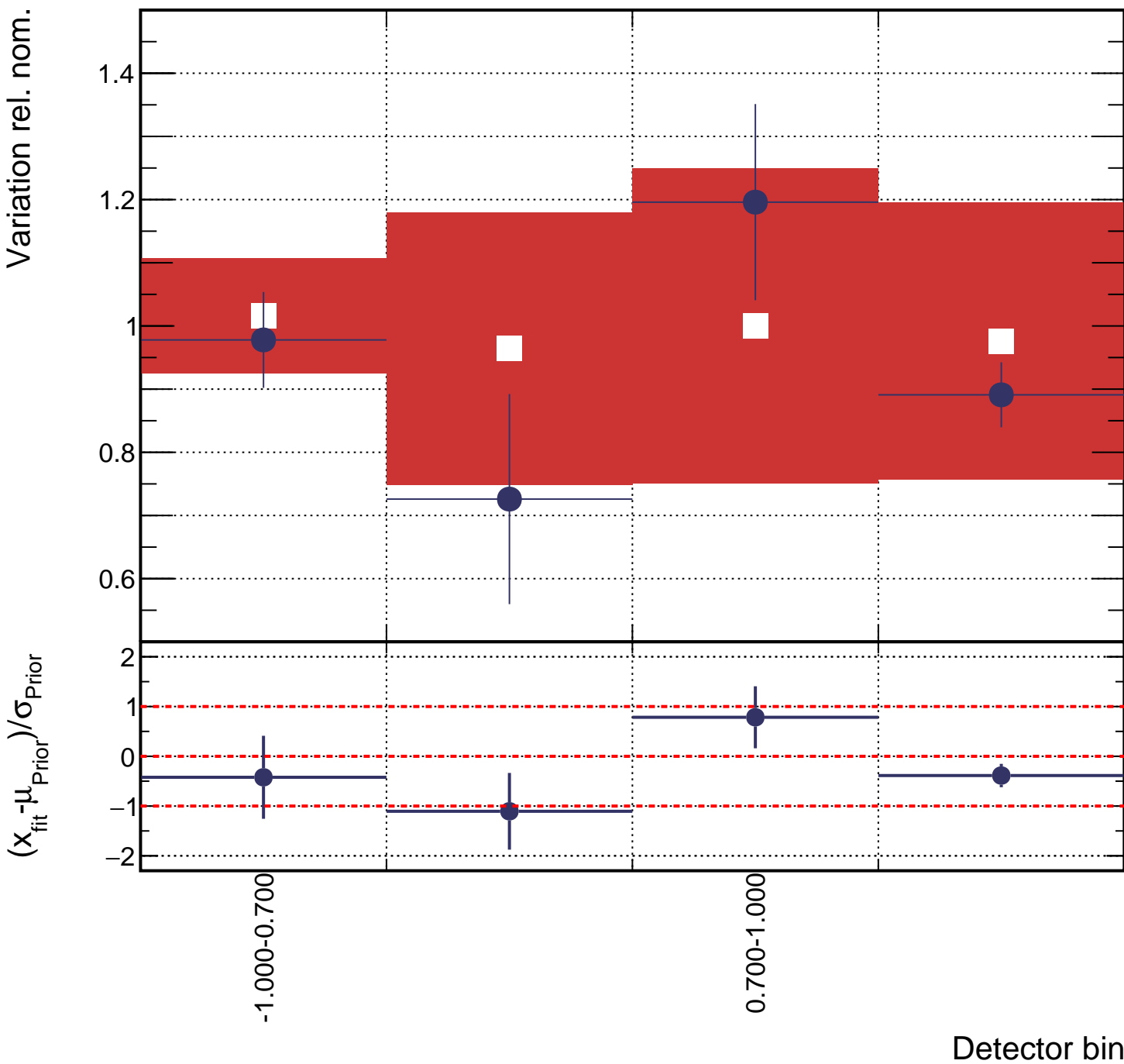
Variation rel. nom.

$(x - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

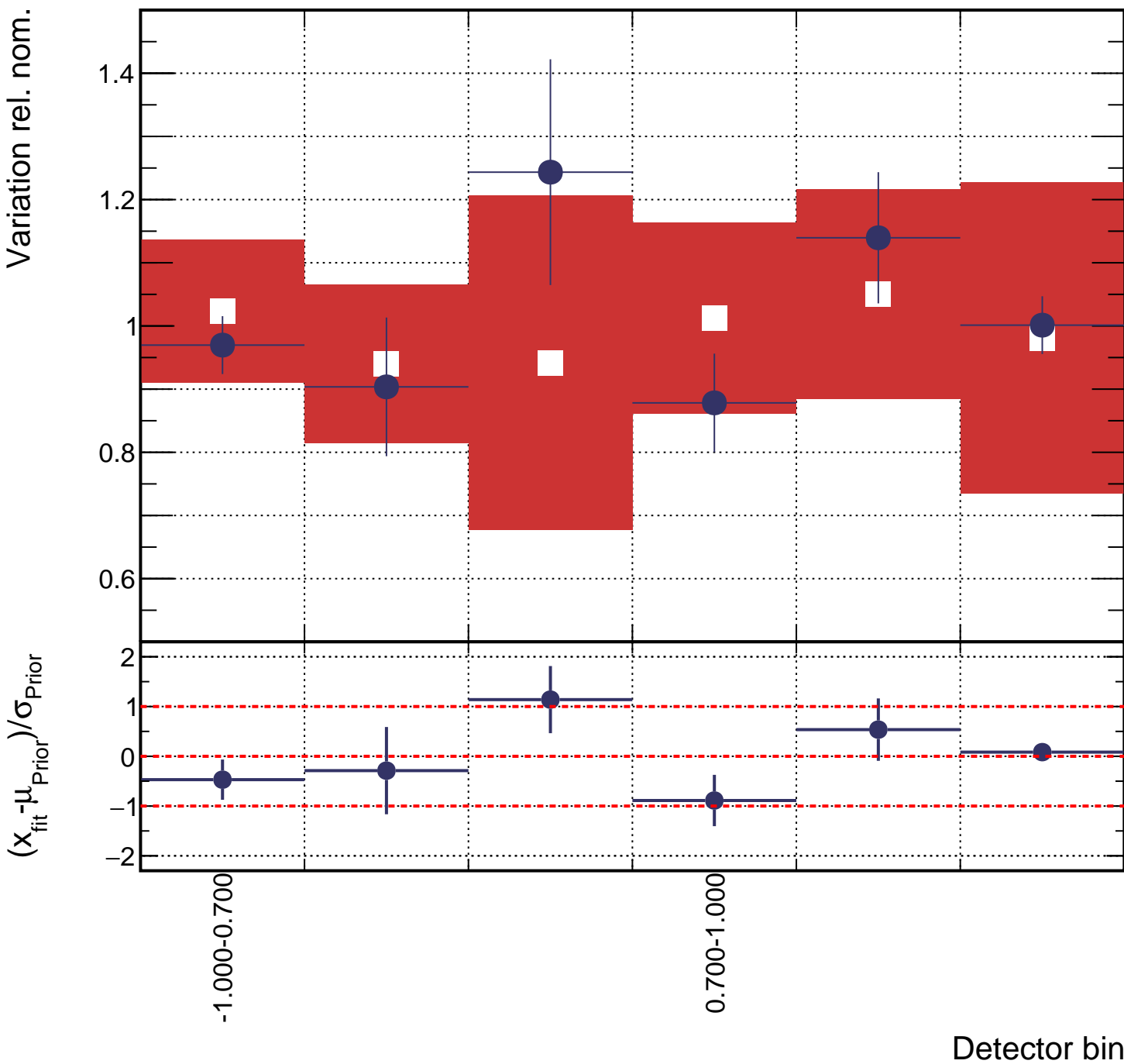


Detector bin

FGD2 anti- ν_μ CC 1π



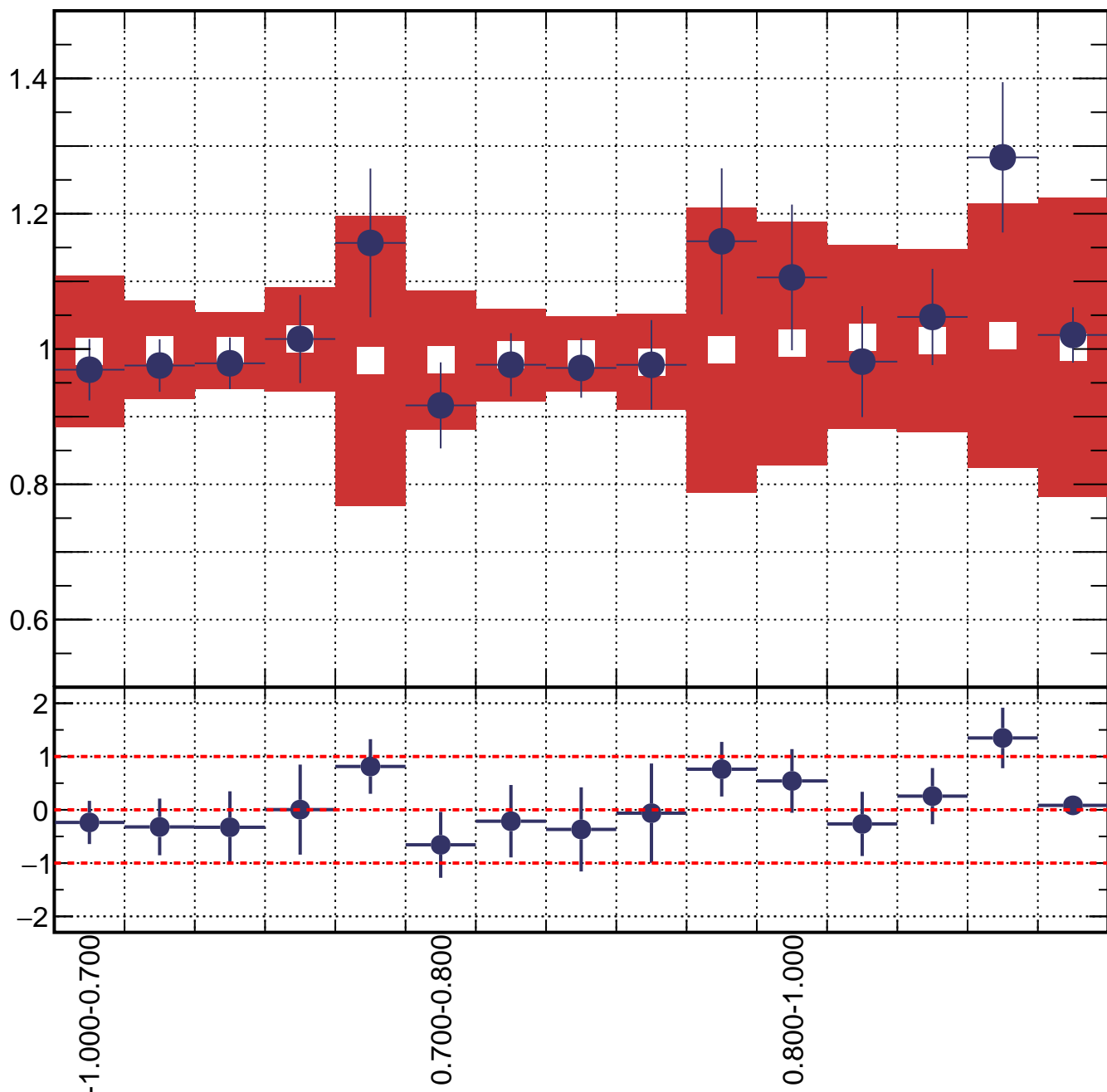
FGD2 anti- ν_μ CC other



FGD1 ν_μ RHC CC0 π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

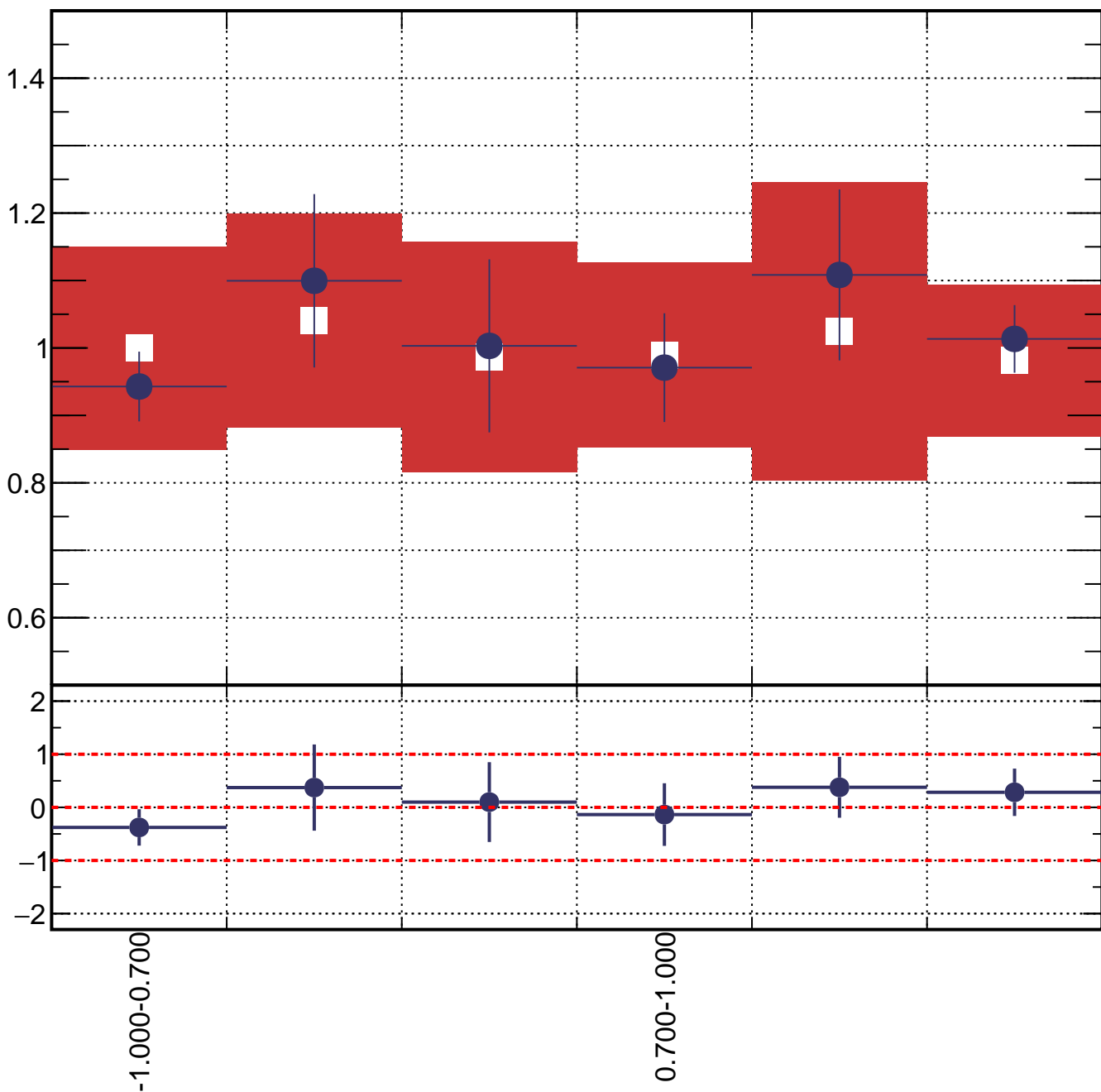


Detector bin

FGD1 ν_μ RHC CC1 π

Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

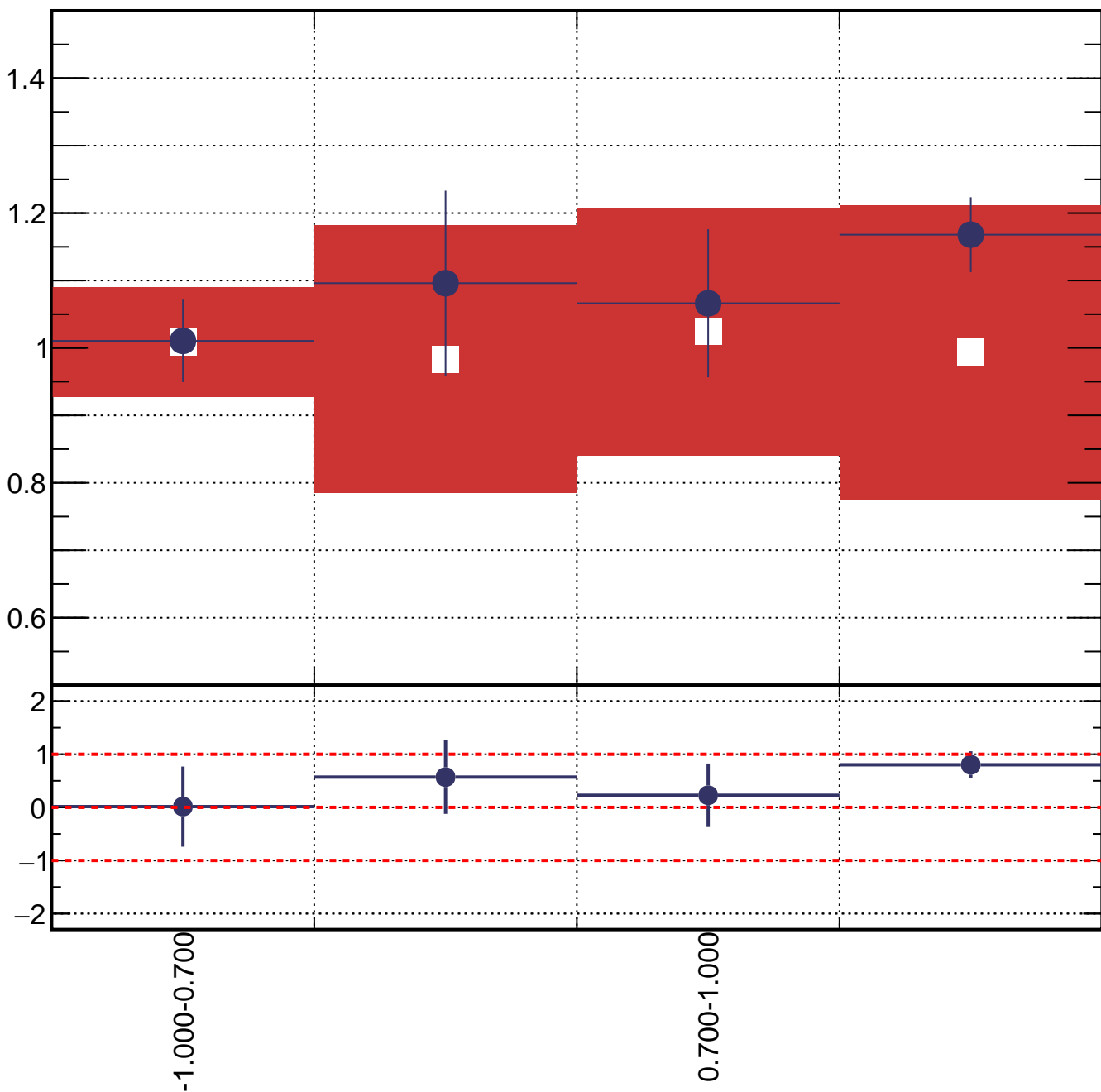


Detector bin

FGD1 ν_μ RHC CCoher

Variation rel. nom.

$(x - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$

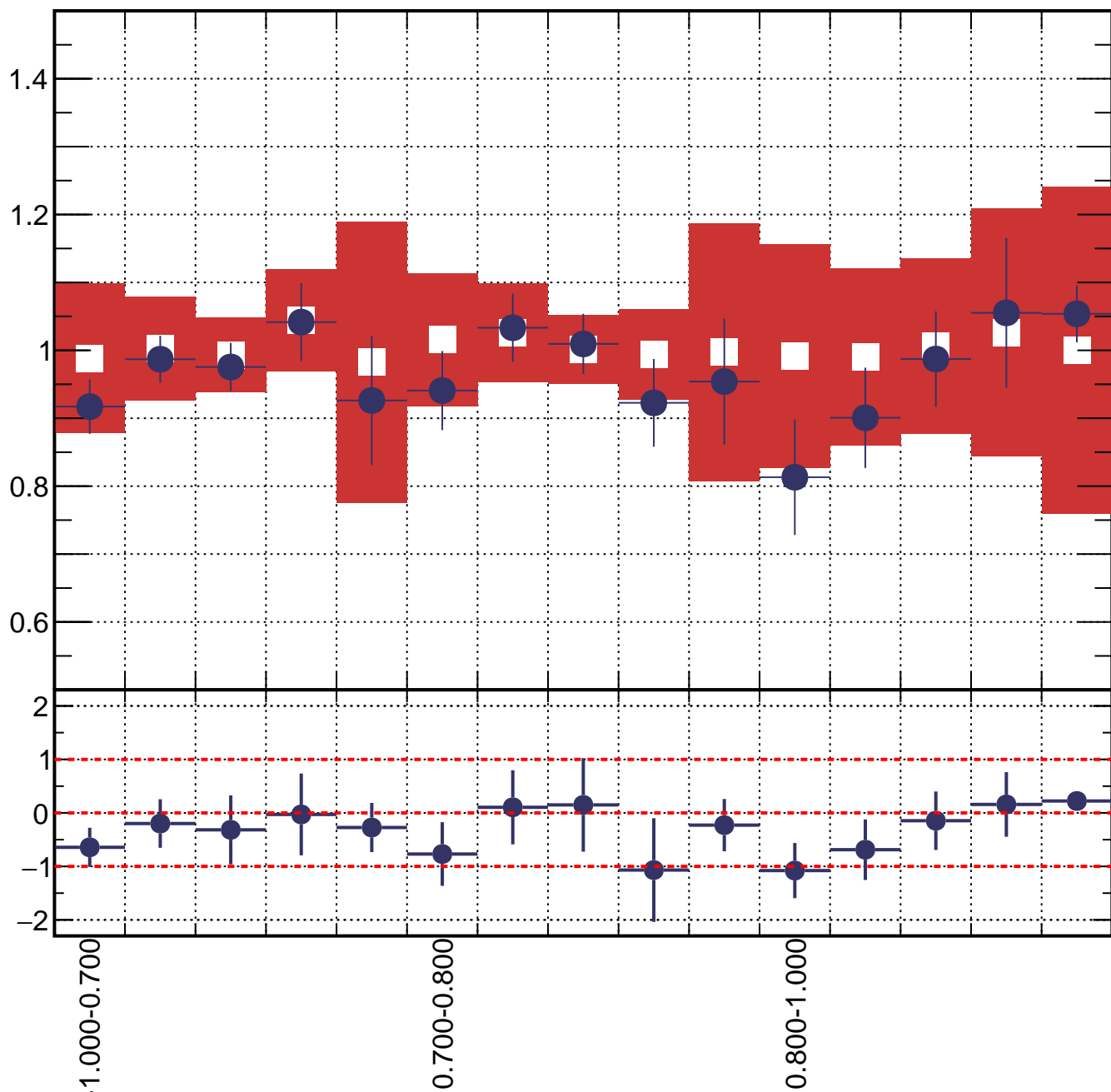


Detector bin

FGD2 ν_μ RHC CC0 π

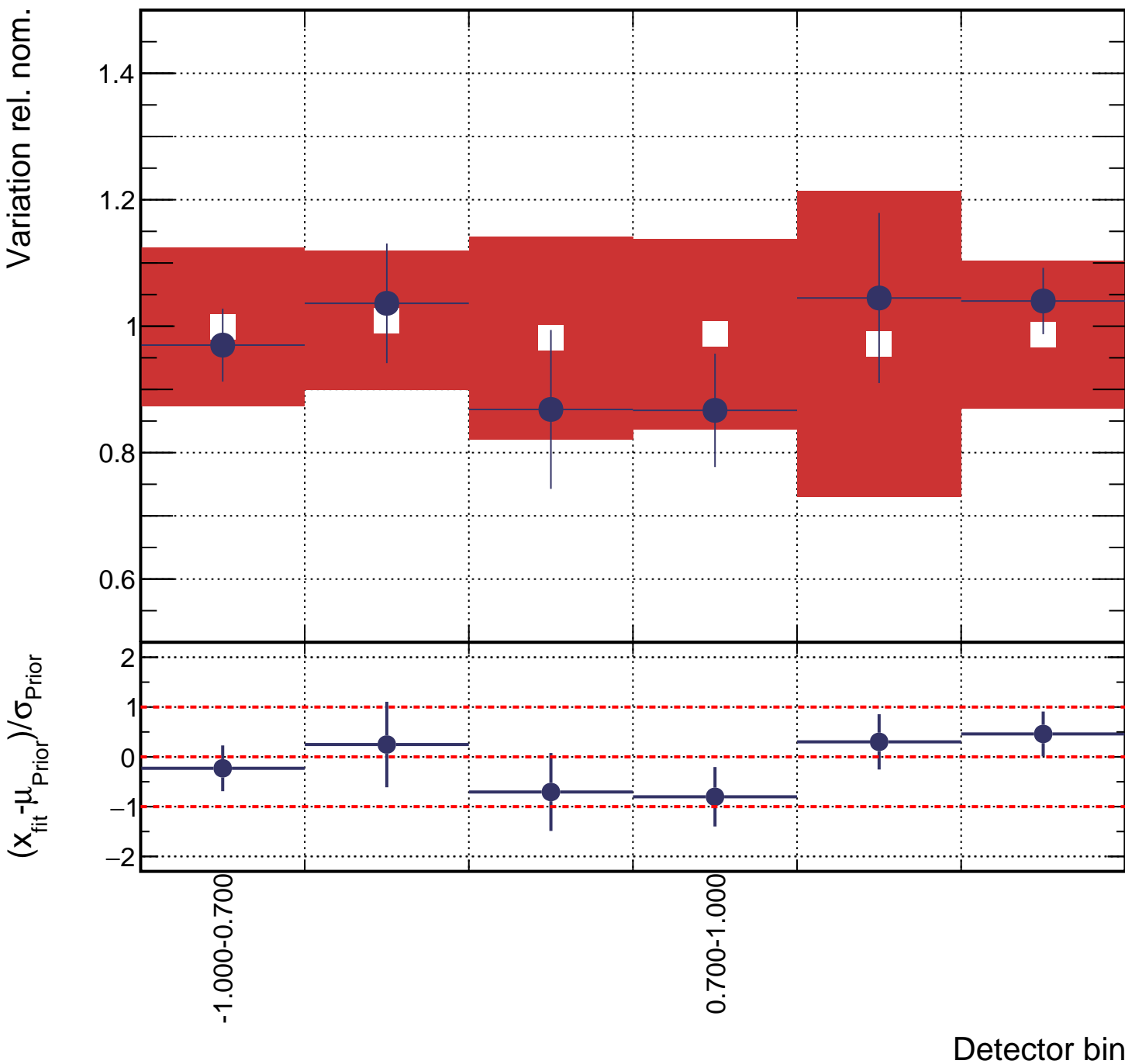
Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$



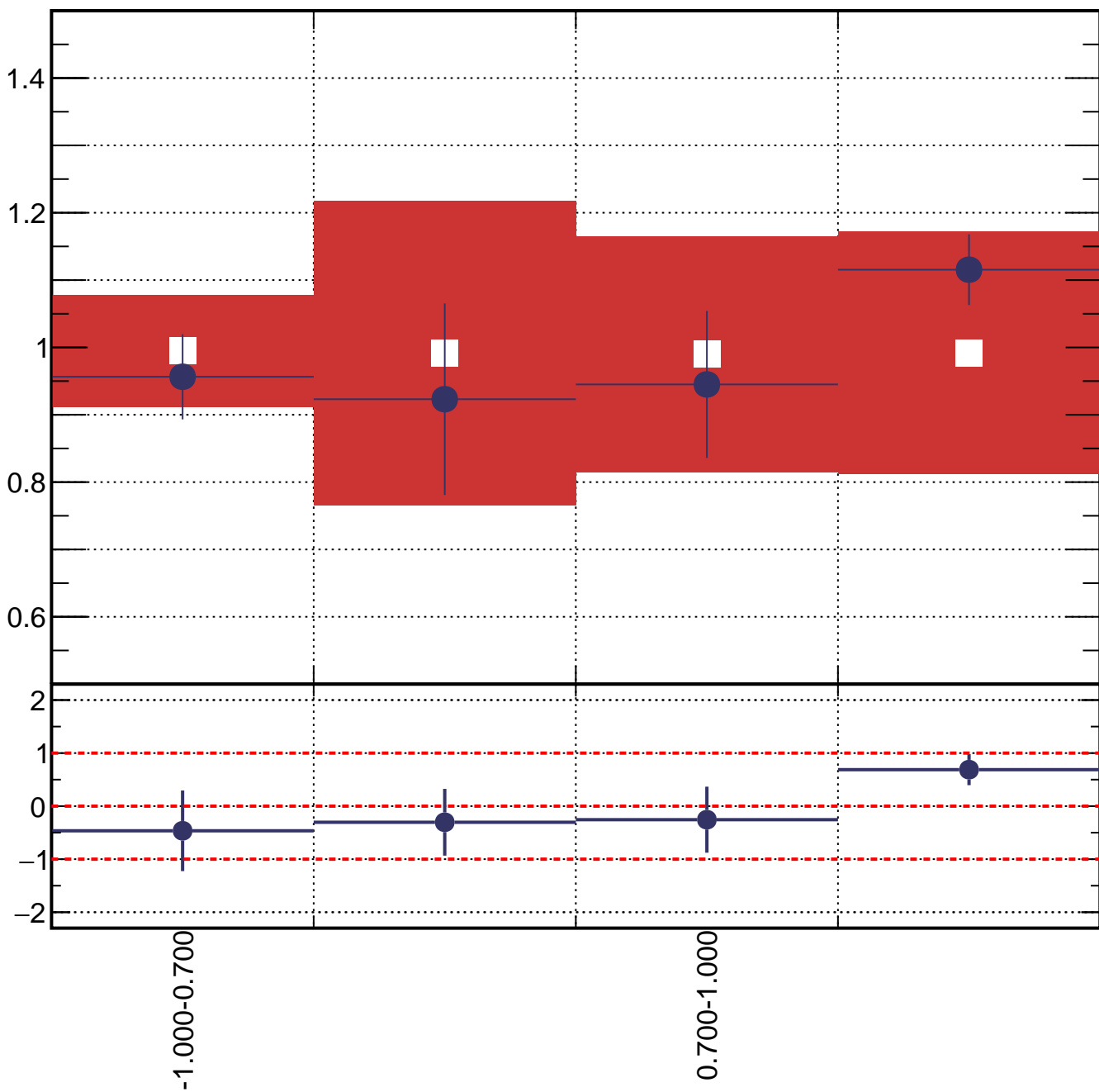
Detector bin

FGD2 ν_μ RHC CC1 π



Variation rel. nom.

$(x_{\text{fit}} - \mu_{\text{Prior}}) / \sigma_{\text{Prior}}$



Detector bin