T2K RUN 5-6 $\overline{\nu}_\mu$ Disappearance Data Release

The file `T2K-numubarDisappearanceData-Run5to6-2015.root` contains the T2K RUN5-6 $\overline{\nu}_\mu$ disappearance results. Following ROOT objects are written:

`chi2_2d_normal`
TH2D containing $\chi^2(= -2\Delta \ln \mathcal{L})$ distribution in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (normal hierarchy)

`cont_2d_normal_68`
TGraph containing 1σ C.L. contour in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (normal hierarchy)

`cont_2d_normal_90`
TGraph containing 90% C.L. contour in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (normal hierarchy)

`bestfit_2d_normal`
TGraph containing best-fit point in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (normal hierarchy)

`chi2_2d_inverted`
TH2D containing $\chi^2(= -2\Delta \ln \mathcal{L})$ distribution in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (inverted hierarchy)

`cont_2d_inverted_68`
TGraph containing 1σ C.L. contour in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (inverted hierarchy)

`cont_2d_inverted_90`
TGraph containing 90% C.L. contour in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (inverted hierarchy)

`bestfit_2d_inverted`
TGraph containing best-fit point in $\sin^2\overline{\theta}_{23} - \Delta\overline{m}^2_{32}$ plane (inverted hierarchy)

`chi2_thetabar23_normal`
TH1D containing $\chi^2(= -2\Delta \ln \mathcal{L})$ distribution as a function of $\sin^2\overline{\theta}_{23}$ (nor-

mal hierarchy)

`chi2_deltam2bar23_normal`
TH1D containing $\chi^2(= -2\Delta \ln \mathcal{L})$ distribution as a function of $\Delta\overline{m}^2_{32}$ (normal hierarchy)

`chi2_thetabar23_inverted`
TH1D containing $\chi^2(= -2\Delta \ln \mathcal{L})$ distribution as a function of $\sin^2 \overline{\theta}_{23}$ (inverted hierarchy)

`chi2_deltam2bar23_inverted`
TH1D containing $\chi^2(= -2\Delta \ln \mathcal{L})$ distribution as a function of $\Delta\overline{m}^2_{32}$ (inverted hierarchy)