Plot Attributes SO11HosotaniDummyCase

November 8, 2019

Statistics for SO11HosotaniDummyCase attributes. We are imposing a ChiSquared cut at a upper bound of :20.52 The following are the attributes that go into the making of the plot CustomPlotmTopHiggsCrossSectRatioFiltered1000:

The following have a contribution to χ_G^2 corresponding to:

 $m_H(\text{GeV})$ with test mean, experimental StdDev, and theoretical StdDev:

- $m_H(\text{GeV})$ Test Mean: 125.18
- $m_H(\text{GeV})$ Expedimental Standard deviation : 0.16
- $m_H(\text{GeV})$ Theoretical Standard deviation : 1.25

 $m_{\tau}(\text{GeV})$ with test mean, experimental StdDev, and theoretical StdDev:

- $m_{\tau}(\text{GeV})$ Test Mean : 1.776
- $m_{\tau}(\text{GeV})$ Expedimental Standard deviation : 0.00012
- $m_{\tau}(\text{GeV})$ Theoretical Standard deviation : 0.01776

 $m_{\nu}(eV)$ with test mean, experimental StdDev, and theoretical StdDev:

- $m_{\nu}(eV)$ Test Mean: 0.1
- $m_{\nu}(eV)$ Expedimental Standard deviation : 0.0
- $m_{\nu}(eV)$ Theoretical Standard deviation : 1.0

 $m_b(\text{GeV})$ with test mean, experimental StdDev, and theoretical StdDev:

- $m_b(\text{GeV})$ Test Mean: 4.18
- $m_b(\text{GeV})$ Expedimental Standard deviation: 0.04
- $m_b(\text{GeV})$ Theoretical Standard deviation : 0.0418

 $m_t(\text{GeV})$ with test mean, experimental StdDev, and theoretical StdDev:

- $m_t(\text{GeV})$ Test Mean: 172.44
- $m_t(\text{GeV})$ Expedimental Standard deviation : 0.9
- $m_t(\text{GeV})$ Theoretical Standard deviation: 1.724

 $m_{W^{\pm}}(\text{GeV})$ with test mean, experimental StdDev, and theoretical StdDev:

- $m_{W^{\pm}}(\text{GeV})$ Test Mean : 80.379
- $m_{W^{\pm}}(\text{GeV})$ Expedimental Standard deviation : 0.012
- $m_{W^{\pm}}(\text{GeV})$ Theoretical Standard deviation : 0.8037

The following have a hard cut corresponding to:

 $m_{\psi_D}(\text{GeV})$ with a cut type and value

- $m_{\psi_D}(\text{GeV})$ Cut Type :HardCutMore
- $m_{\psi_D}(\text{GeV})$ Cut Value : 690

 $m_{\tau}^{(1)}({\rm GeV})$ with a cut type and value

- $m_{\tau}^{(1)}(\text{GeV})$ Cut Type :HardCutMore
- $m_{\tau}^{(1)}(\text{GeV})$ Cut Value : 560

 $m_b^{(1)}(\text{GeV})$ with a cut type and value

- $m_b^{(1)}({\rm GeV})$ Cut Type :HardCutMore
- $m_h^{(1)}(\text{GeV})$ Cut Value : 690

 $m_{Z'}(\text{GeV})$ with a cut type and value

- $m_{Z'}(\text{GeV})$ Cut Type :HardCutMore
- $m_{Z'}(\text{GeV})$ Cut Value : 2420