Plot Attributes SO11HosotaniDummyCase

February 24, 2020

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 **k-a1YinvMKK5-sin2ThWMKK5**:

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(GeV) Test Mean : 172.44

- m_t(GeV) Expedimental Standard deviation : 0.9

- m_t(GeV) Theoretical Standard deviation : 1.724

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

- $m_{W^\pm}$(GeV) Test Mean : 80.379

- $m_{W^\pm}$(GeV) Expedimental Standard deviation : 0.012

- $m_{W^\pm}$(GeV) Theoretical Standard deviation : 0.8037

The following have a hard cut corresponding to:

m_{ψ_D}(GeV) with a cut type and value

- m_{ψ_D}(GeV) Cut Type :HardCutMore

- m_{ψ_D}(GeV) Cut Value : 690

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

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

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

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

- $m_b^{(1)}$(GeV) Cut Type :HardCutMore

- $m_b^{(1)}$(GeV) Cut Value : 690

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

- $m_{Z'}$(GeV) Cut Type :HardCutMore

- $m_{Z'}$(GeV) Cut Value : 2420