Plot Attributes SO11HosotaniDummyCase

January 21, 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-zL-sin2ThW-MKK5**:

The following have a contribution to χ^2_G corresponding to:

m_H(GeV) with test mean, experimental StdDev, and theoretical StdDev:

- m_H(GeV) Test Mean : 125.18
- m_H(GeV) Expedimental Standard deviation : 0.16
- m_H(GeV) Theoretical Standard deviation : 1.25

m_τ(GeV) with test mean, experimental StdDev, and theoretical StdDev:

- m_τ(GeV) Test Mean : 1.776
- m_τ(GeV) Expedimental Standard deviation : 0.00012
- m_τ(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(GeV) with test mean, experimental StdDev, and theoretical StdDev:

- m_b(GeV) Test Mean : 4.18
- m_b(GeV) Expedimental Standard deviation : 0.04
- m_b(GeV) Theoretical Standard deviation : 0.0418

m_t(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