Plot Attributes SO11HosotaniDummyCase

October 2, 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 **k-zL-HiggsTrilin**:

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

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

- $m_\tau(GeV)$ Test Mean : 1.776
- $m_\tau(GeV)$ Expedimental Standard deviation : 0.00012
- $m_\tau(GeV)$ 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:

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

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