SO11HosotaniDummyCase Failed-Global-Constr

August 22, 2019

Statistics for SO11HosotaniDummyCase attributes. The following is for points that **Failed-Global-Constr** the constraints:

The following are the statistics for **Param** :

$k(GeV)$:

- The average value for $k(GeV)$ is : 209491.673055
- Standard deviation for $k(GeV)$ is : 59866.98647703661
- Minimum value for $k(GeV)$ is : 105780.1911
- Maximum value for $k(GeV)$ is : 299447.5411

z_L :

- The average value for z_L is : 35.142075
- Standard deviation for z_L is : 1.0346399783862021
- Minimum value for z_L is : 33.391
- Maximum value for z_L is : 36.768

c_0 :

- The average value for c_0 is : 0.333195
- Standard deviation for c_0 is : 0.11319404787796927
- Minimum value for c_0 is : 0.1011
- Maximum value for c_0 is : 0.4879

c_1 :

- The average value for c_1 is : 0.08831
- Standard deviation for c_1 is : 0.058415759003885244

- Minimum value for c_1 is : 0.0028
- Maximum value for c_1 is : 0.1835

c_2 :

- The average value for c_2 is : -0.7350399999999999
- Standard deviation for c_2 is : 0.1206112449152234
- Minimum value for c_2 is : -0.9405
- Maximum value for c_2 is : -0.5162

c_0' :

- The average value for c_0' is : 0.5785399999999998
- Standard deviation for c_0' is : 0.07110942553557863
- Minimum value for c_0' is : 0.4446
- Maximum value for c_0' is : 0.6899

μ_1 :

- The average value for μ_1 is : 12.026380000000001
- Standard deviation for μ_1 is : 0.6130660303751954
- Minimum value for μ_1 is : 11.0109
- Maximum value for μ_1 is : 12.9739

μ_{11} :

- The average value for μ_{11} is : 0.281015
- Standard deviation for μ_{11} is : 0.14879227222876865
- Minimum value for μ_{11} is : 0.0005
- Maximum value for μ_{11} is : 0.4887

μ_{11}' :

- The average value for μ_{11}' is : 0.31031
- Standard deviation for μ_{11}' is : 0.13900522256375838
- Minimum value for μ_{11}' is : 0.0687
- Maximum value for μ_{11}' is : 0.4871

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 0.676265
- Standard deviation for $\tilde{\mu_2}$ is : 0.40920659485765865
- Minimum value for $\tilde{\mu_2}$ is : 0.0094
- Maximum value for $\tilde{\mu_2}$ is : 1.3312

The following are the statistics for **Attr** :

$m_H(GeV)$:

- The average value for $m_H(GeV)$ is : 1140.3600065351384
- Standard deviation for $m_H(GeV)$ is : 556.1738983155558
- Minimum value for $m_H(GeV)$ is : 298.65946382065437
- Maximum value for $m_H(GeV)$ is : 2229.0741675668182

$m_{\psi_D}(GeV)$:

- The average value for $m_{\psi_D}(GeV)$ is : 2523.021001307204
- Standard deviation for $m_{\psi_D}(GeV)$ is : 2103.579336835557
- Minimum value for $m_{\psi_D}(GeV)$ is : 1.3256658559223691e-05
- Maximum value for $m_{\psi_D}(GeV)$ is : 5612.3179254128245

$m_\tau(GeV)$:

- The average value for $m_\tau(GeV)$ is : 2545.613324587358
- Standard deviation for $m_\tau(GeV)$ is : 2653.9202345570156
- Minimum value for $m_\tau(GeV)$ is : 3.6174928242086763
- Maximum value for $m_\tau(GeV)$ is : 10197.787165160946

$m_\tau^{(1)}(GeV)$:

- The average value for $m_\tau^{(1)}(GeV)$ is : 12607.475417092308
- Standard deviation for $m_\tau^{(1)}(GeV)$ is : 6305.248952626776
- Minimum value for $m_\tau^{(1)}(GeV)$ is : 2051.7672670677102
- Maximum value for $m_\tau^{(1)}(GeV)$ is : 24425.041895185004

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 69.46841191728062

- Standard deviation for $m_\nu(eV)$ is : 99.34199792993623
- Minimum value for $m_\nu(eV)$ is : 1.0265415984689174e-16
- Maximum value for $m_\nu(eV)$ is : 327.5174898241657

$m_b(GeV)$:

- The average value for $m_b(GeV)$ is : 97.74807876898228
- Standard deviation for $m_b(GeV)$ is : 105.27545505993751
- Minimum value for $m_b(GeV)$ is : 1.8206913279338846e-07
- Maximum value for $m_b(GeV)$ is : 318.9902602072118

$m_b^{(1)}(GeV)$:

- The average value for $m_b^{(1)}(GeV)$ is : 6182.422055988612
- Standard deviation for $m_b^{(1)}(GeV)$ is : 1880.5441637133704
- Minimum value for $m_b^{(1)}(GeV)$ is : 2275.8207695129313
- Maximum value for $m_b^{(1)}(GeV)$ is : 10197.887138732092

$m_t(GeV)$:

- The average value for $m_t(GeV)$ is : 3014.986859780021
- Standard deviation for $m_t(GeV)$ is : 2847.2439177835117
- Minimum value for $m_t(GeV)$ is : 5.326994508112552e-06
- Maximum value for $m_t(GeV)$ is : 10197.887138732092

$\langle\theta_H\rangle(rads)$:

- The average value for $\langle\theta_H\rangle(rads)$ is : 1.423303958532538
- Standard deviation for $\langle\theta_H\rangle(rads)$ is : 1.3312665105057684
- Minimum value for $\langle\theta_H\rangle(rads)$ is : 2.0289922967963327e-09
- Maximum value for $\langle\theta_H\rangle(rads)$ is : 3.141592648271326

$m_Z(GeV)$:

- The average value for $m_Z(GeV)$ is : 371.52517827987356
- Standard deviation for $m_Z(GeV)$ is : 543.2434869989211
- Minimum value for $m_Z(GeV)$ is : 1.679684541105275e-06
- Maximum value for $m_Z(GeV)$ is : 1703.1443844781581

$m_{W^{\pm}}(GeV)$:

- The average value for $m_{W^{\pm}}(GeV)$ is : 325.7578864496171
- Standard deviation for $m_{W^{\pm}}(GeV)$ is : 476.3226303305303
- Minimum value for $m_{W^{\pm}}(GeV)$ is : 1.4727682482944955e-06
- Maximum value for $m_{W^{\pm}}(GeV)$ is : 1493.3381300693247

$m_{Z'}(GeV)$:

- The average value for $m_{Z'}(GeV)$ is : 20803.208405114543
- Standard deviation for $m_{Z'}(GeV)$ is : 7933.289094340053
- Minimum value for $m_{Z'}(GeV)$ is : 2.909298965882351e-06
- Maximum value for $m_{Z'}(GeV)$ is : 32610.64040456908

T :

- The average value for T is : 0.0
- Standard deviation for T is : 0.0
- Minimum value for T is : 0
- Maximum value for T is : 0

The following are the statistics for **Calc** :

χ^2_G :

- The average value for χ^2_G is : 42855611711.447105
- Standard deviation for χ^2_G is : 77910123028.99115
- Minimum value for χ^2_G is : 2369344.5025407085
- Maximum value for χ^2_G is : 329602260987.3504