SO11HosotaniDummyCase Failed-Global-Constr

September 24, 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 : 242278.78509999998
- Standard deviation for $k(GeV)$ is : 31956.9138549646
- Minimum value for $k(GeV)$ is : 202705.4441
- Maximum value for $k(GeV)$ is : 288148.909

z_L :

- The average value for z_L is : 34.17887999999999
- Standard deviation for z_L is : 1.1576477087611767
- Minimum value for z_L is : 32.3398
- Maximum value for z_L is : 36.0688

c_0 :

- The average value for c_0 is : 0.28459
- Standard deviation for c_0 is : 0.05478619260361135
- Minimum value for c_0 is : 0.2096
- Maximum value for c_0 is : 0.3876

c_1 :

- The average value for c_1 is : 0.09079000000000001
- Standard deviation for c_1 is : 0.053852752018815155

- Minimum value for c_1 is : 0.0041
- Maximum value for c_1 is : 0.1555

c_2 :

- The average value for c_2 is : -0.7501800000000001
- Standard deviation for c_2 is : 0.1382647879975231
- Minimum value for c_2 is : -0.8978
- Maximum value for c_2 is : -0.5246

c_0' :

- The average value for c_0' is : 0.53481
- Standard deviation for c_0' is : 0.10880328533642722
- Minimum value for c_0' is : 0.4105
- Maximum value for c_0' is : 0.698

μ_1 :

- The average value for μ_1 is : 17.56295
- Standard deviation for μ_1 is : 0.6012299913510636
- Minimum value for μ_1 is : 16.8951
- Maximum value for μ_1 is : 18.8609

μ_{11} :

- The average value for μ_{11} is : 0.43955
- Standard deviation for μ_{11} is : 0.32689246932286464
- Minimum value for μ_{11} is : 0.0048
- Maximum value for μ_{11} is : 0.9364

μ_{11}' :

- The average value for μ_{11}' is : 0.5377099999999999
- Standard deviation for μ_{11}' is : 0.3294981440008426
- Minimum value for μ_{11}' is : 0.1162
- Maximum value for μ_{11}' is : 0.9732

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 1.17097
- Standard deviation for $\tilde{\mu_2}$ is : 0.6267388659561492
- Minimum value for $\tilde{\mu_2}$ is : 0.2688
- Maximum value for $\tilde{\mu_2}$ is : 2.0673

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

$m_H(GeV)$:

- The average value for $m_H(GeV)$ is : 1889.4969457969175
- Standard deviation for $m_H(GeV)$ is : 535.7595965283409
- Minimum value for $m_H(GeV)$ is : 903.5975629985584
- Maximum value for $m_H(GeV)$ is : 2387.8033711696576

$m_{\psi_D}(GeV)$:

- The average value for $m_{\psi_D}(GeV)$ is : 3176.9499707914983
- Standard deviation for $m_{\psi_D}(GeV)$ is : 2897.6179387831444
- Minimum value for $m_{\psi_D}(GeV)$ is : 3.954471379044125e-05
- Maximum value for $m_{\psi_D}(GeV)$ is : 7685.2743886179205

$m_\tau(GeV)$:

- The average value for $m_\tau(GeV)$ is : 2453.87120754859
- Standard deviation for $m_\tau(GeV)$ is : 2692.0315436792757
- Minimum value for $m_\tau(GeV)$ is : 1.457358926338e-05
- Maximum value for $m_\tau(GeV)$ is : 7055.12960283897

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

- The average value for $m_\tau^{(1)}(GeV)$ is : 12316.640538562808
- Standard deviation for $m_\tau^{(1)}(GeV)$ is : 6905.897364229574
- Minimum value for $m_\tau^{(1)}(GeV)$ is : 1301.8078557018719
- Maximum value for $m_\tau^{(1)}(GeV)$ is : 22935.411043477747

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 72.98723553968247

- Standard deviation for $m_\nu(eV)$ is : 73.12574589270261
- Minimum value for $m_\nu(eV)$ is : 1.5915707125031154e-15
- Maximum value for $m_\nu(eV)$ is : 199.62801717517152

$m_b(GeV)$:

- The average value for $m_b(GeV)$ is : 855.2788571775405
- Standard deviation for $m_b(GeV)$ is : 2188.165404857532
- Minimum value for $m_b(GeV)$ is : 1.3883284034215208e-06
- Maximum value for $m_b(GeV)$ is : 7406.197028225376

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

- The average value for $m_b^{(1)}(GeV)$ is : 8200.020913108796
- Standard deviation for $m_b^{(1)}(GeV)$ is : 1072.9247089550513
- Minimum value for $m_b^{(1)}(GeV)$ is : 6560.341566406008
- Maximum value for $m_b^{(1)}(GeV)$ is : 9814.21442043111

$m_t(GeV)$:

- The average value for $m_t(GeV)$ is : 3938.233191677979
- Standard deviation for $m_t(GeV)$ is : 3382.5500925961574
- Minimum value for $m_t(GeV)$ is : 2.1134533303730005e-05
- Maximum value for $m_t(GeV)$ is : 8668.34072405381

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

- The average value for $\langle\theta_H\rangle(rads)$ is : 1.5466329359373183
- Standard deviation for $\langle\theta_H\rangle(rads)$ is : 1.4072891182954497
- Minimum value for $\langle\theta_H\rangle(rads)$ is : 6.754245468972465e-09
- Maximum value for $\langle\theta_H\rangle(rads)$ is : 3.1415926397021896

$m_Z(GeV)$:

- The average value for $m_Z(GeV)$ is : 348.8070054485438
- Standard deviation for $m_Z(GeV)$ is : 702.2286064023323
- Minimum value for $m_Z(GeV)$ is : 1.1667724395310013e-05
- Maximum value for $m_Z(GeV)$ is : 1923.7549927267241

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

- The average value for $m_{W^{\pm}}(GeV)$ is : 305.83831060876753
- Standard deviation for $m_{W^{\pm}}(GeV)$ is : 615.7227558175325
- Minimum value for $m_{W^{\pm}}(GeV)$ is : 1.023040553076488e-05
- Maximum value for $m_{W^{\pm}}(GeV)$ is : 1686.7722488661948

$m_{Z'}(GeV)$:

- The average value for $m_{Z'}(GeV)$ is : 26017.801000225612
- Standard deviation for $m_{Z'}(GeV)$ is : 2685.1239727458683
- Minimum value for $m_{Z'}(GeV)$ is : 22961.15429488928
- Maximum value for $m_{Z'}(GeV)$ is : 30030.691612846833

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 : 43693419542.347725
- Standard deviation for χ^2_G is : 63290288138.866066
- Minimum value for χ^2_G is : 414627.77387285634
- Maximum value for χ^2_G is : 174102637361.58246

$\sin^2\theta_W$:

- The average value for $\sin^2\theta_W$ is : 0.27095070238343466
- Standard deviation for $\sin^2\theta_W$ is : 0.006986381071291845
- Minimum value for $\sin^2\theta_W$ is : 0.26022382702905167
- Maximum value for $\sin^2\theta_W$ is : 0.28310086553316666