SO11HosotaniDummyCase Failed-Global-Constr

September 5, 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 : 119817.13342277284
- Standard deviation for $k(GeV)$ is : 50784.31783902396
- Minimum value for $k(GeV)$ is : 23684.801448552284
- Maximum value for $k(GeV)$ is : 403182.575636

z_L :

- The average value for z_L is : 35.018978164746585
- Standard deviation for z_L is : 2.711290093937496
- Minimum value for z_L is : 20.069850350315654
- Maximum value for z_L is : 47.19274992969936

c_0 :

- The average value for c_0 is : 0.3634793050711144
- Standard deviation for c_0 is : 0.25123629852146717
- Minimum value for c_0 is : 0.010176877641307855
- Maximum value for c_0 is : 1.3829290111473

c_1 :

- The average value for c_1 is : 0.10062400560642229
- Standard deviation for c_1 is : 0.09040324159588109

- Minimum value for c_1 is : 1.9287109375015765e-05
- Maximum value for c_1 is : 0.5260351562500001

c_2 :

- The average value for c_2 is : -0.6940863664757079
- Standard deviation for c_2 is : 0.1870674642055397
- Minimum value for c_2 is : -1.134244
- Maximum value for c_2 is : -0.12421837759999999

c_0' :

- The average value for c_0' is : 0.5624521332367529
- Standard deviation for c_0' is : 0.26490608926488474
- Minimum value for c_0' is : 0.062000923215999953
- Maximum value for c_0' is : 3.4910387209040272

μ_1 :

- The average value for μ_1 is : 13.949340180986296
- Standard deviation for μ_1 is : 3.5722637486568556
- Minimum value for μ_1 is : 6.841778826343697
- Maximum value for μ_1 is : 45.608172958521905

μ_{11} :

- The average value for μ_{11} is : 0.1865388765595134
- Standard deviation for μ_{11} is : 0.10550228620780083
- Minimum value for μ_{11} is : 0.0006664062499999873
- Maximum value for μ_{11} is : 0.78125

μ_{11}' :

- The average value for μ_{11}' is : 0.2132977186634885
- Standard deviation for μ_{11}' is : 0.1358843621231672
- Minimum value for μ_{11}' is : 0.0005893571040000156
- Maximum value for μ_{11}' is : 1.0224482553950733

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 1.1591769134496883
- Standard deviation for $\tilde{\mu_2}$ is : 0.7251550483623659
- Minimum value for $\tilde{\mu_2}$ is : 0.0123
- Maximum value for $\tilde{\mu_2}$ is : 6.235541587665814

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

$m_H(GeV)$:

- The average value for $m_H(GeV)$ is : 227.28763286626364
- Standard deviation for $m_H(GeV)$ is : 381.5038707931757
- Minimum value for $m_H(GeV)$ is : 19.271248009376205
- Maximum value for $m_H(GeV)$ is : 4610.913997282132

$m_{\psi_D}(GeV)$:

- The average value for $m_{\psi_D}(GeV)$ is : 3188.961283998136
- Standard deviation for $m_{\psi_D}(GeV)$ is : 2105.377161496227
- Minimum value for $m_{\psi_D}(GeV)$ is : 539.2456808043827
- Maximum value for $m_{\psi_D}(GeV)$ is : 32477.56040605542

$m_\tau(GeV)$:

- The average value for $m_\tau(GeV)$ is : 43.86311763435808
- Standard deviation for $m_\tau(GeV)$ is : 370.1244991159916
- Minimum value for $m_\tau(GeV)$ is : 6.016735820959428e-08
- Maximum value for $m_\tau(GeV)$ is : 7345.817334940683

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

- The average value for $m_\tau^{(1)}(GeV)$ is : 1448.94023508002
- Standard deviation for $m_\tau^{(1)}(GeV)$ is : 2476.549011358489
- Minimum value for $m_\tau^{(1)}(GeV)$ is : 87.40886876467633
- Maximum value for $m_\tau^{(1)}(GeV)$ is : 26727.41983603022

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 50.33985558832437

- Standard deviation for $m_\nu(eV)$ is : 674.5561613292713
- Minimum value for $m_\nu(eV)$ is : 4.040552894804562e-16
- Maximum value for $m_\nu(eV)$ is : 23208.84250684303

$m_b(GeV)$:

- The average value for $m_b(GeV)$ is : 61.32611170302841
- Standard deviation for $m_b(GeV)$ is : 507.4054488461266
- Minimum value for $m_b(GeV)$ is : 1.96472677065314e-06
- Maximum value for $m_b(GeV)$ is : 8986.845743286196

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

- The average value for $m_b^{(1)}(GeV)$ is : 3621.719539059036
- Standard deviation for $m_b^{(1)}(GeV)$ is : 1817.6022176785527
- Minimum value for $m_b^{(1)}(GeV)$ is : 79.42419523485768
- Maximum value for $m_b^{(1)}(GeV)$ is : 14417.381332710214

$m_t(GeV)$:

- The average value for $m_t(GeV)$ is : 495.8799208331412
- Standard deviation for $m_t(GeV)$ is : 1763.7511281096267
- Minimum value for $m_t(GeV)$ is : 1.17165515665692e-05
- Maximum value for $m_t(GeV)$ is : 27948.000246701922

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

- The average value for $\langle\theta_H\rangle(rads)$ is : 0.4798680648290379
- Standard deviation for $\langle\theta_H\rangle(rads)$ is : 0.9611410372087933
- Minimum value for $\langle\theta_H\rangle(rads)$ is : 7.849498828704782e-10
- Maximum value for $\langle\theta_H\rangle(rads)$ is : 3.141592653524363

$m_Z(GeV)$:

- The average value for $m_Z(GeV)$ is : 123.90429884066283
- Standard deviation for $m_Z(GeV)$ is : 591.0077155957365
- Minimum value for $m_Z(GeV)$ is : 8.389991418610911e-08
- Maximum value for $m_Z(GeV)$ is : 33173.26121266854

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

- The average value for $m_{W^{\pm}}(GeV)$ is : 108.64082671121247
- Standard deviation for $m_{W^{\pm}}(GeV)$ is : 518.2028986548316
- Minimum value for $m_{W^{\pm}}(GeV)$ is : 7.356448584483929e-08
- Maximum value for $m_{W^{\pm}}(GeV)$ is : 29086.72706736274

$m_{Z'}(GeV)$:

- The average value for $m_{Z'}(GeV)$ is : 12647.48637665864
- Standard deviation for $m_{Z'}(GeV)$ is : 5331.341699580863
- Minimum value for $m_{Z'}(GeV)$ is : 2406.1721144785306
- Maximum value for $m_{Z'}(GeV)$ is : 46109.42867820842

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 : 519631252.24120754
- Standard deviation for χ^2_G is : 5835760704.359104
- Minimum value for χ^2_G is : 10.15818271562121
- Maximum value for χ^2_G is : 171018837861.34985