SO11HosotaniDummyCase Failed-Global-Constr

September 11, 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 : 116922.33406432599
- Standard deviation for $k(GeV)$ is : 56825.905093406844
- Minimum value for $k(GeV)$ is : 23002.74017850886
- Maximum value for $k(GeV)$ is : 568436.9874120001

z_L :

- The average value for z_L is : 35.49828775122954
- Standard deviation for z_L is : 3.360765883208013
- Minimum value for z_L is : 20.069850350315654
- Maximum value for z_L is : 51.226730749863854

c_0 :

- The average value for c_0 is : 0.3105614502219211
- Standard deviation for c_0 is : 0.2355604115759787
- Minimum value for c_0 is : 0.0014
- Maximum value for c_0 is : 1.3829290111473

c_1 :

- The average value for c_1 is : 0.13049340823307823
- Standard deviation for c_1 is : 0.10610640934577786

- Minimum value for c_1 is : 1.9287109375015765e-05
- Maximum value for c_1 is : 0.6183685816320001

c_2 :

- The average value for c_2 is : -0.7207518116862363
- Standard deviation for c_2 is : 0.19559361176705095
- Minimum value for c_2 is : -1.2471465930399999
- Maximum value for c_2 is : -0.12421837759999999

c_0' :

- The average value for c_0' is : 0.566348569008465
- Standard deviation for c_0' is : 0.22500433291837513
- 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 : 13.900686149899272
- Standard deviation for μ_1 is : 3.496978396366205
- 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 : 0.2649519755801136
- Standard deviation for μ_{11} is : 0.22355617260988356
- Minimum value for μ_{11} is : 0.0006094063999999913
- Maximum value for μ_{11} is : 2.23977

μ_{11}' :

- The average value for μ_{11}' is : 0.31326089064129875
- Standard deviation for μ_{11}' is : 0.2692551823645437
- Minimum value for μ_{11}' is : 0.0005893571040000156
- Maximum value for μ_{11}' is : 1.8800560000000002

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 1.426302666690016
- Standard deviation for $\tilde{\mu_2}$ is : 0.9583549628137166
- Minimum value for $\tilde{\mu_2}$ is : 0.0045119999999998495
- Maximum value for $\tilde{\mu_2}$ is : 7.690852906865141

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

$m_H(GeV)$:

- The average value for $m_H(GeV)$ is : 197.40866878067146
- Standard deviation for $m_H(GeV)$ is : 326.789390429196
- Minimum value for $m_H(GeV)$ is : 8.823135854901555
- Maximum value for $m_H(GeV)$ is : 4610.913997282132

$m_{\psi_D}(GeV)$:

- The average value for $m_{\psi_D}(GeV)$ is : 2889.2254000211137
- Standard deviation for $m_{\psi_D}(GeV)$ is : 1969.0394840943143
- 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 : 31.416813436203753
- Standard deviation for $m_\tau(GeV)$ is : 310.20851970907273
- 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 : 1269.0294753455457
- Standard deviation for $m_\tau^{(1)}(GeV)$ is : 2137.5766225507095
- Minimum value for $m_\tau^{(1)}(GeV)$ is : 0.39981220509084303
- Maximum value for $m_\tau^{(1)}(GeV)$ is : 26727.41983603022

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 35.261761477490936

- Standard deviation for $m_\nu(eV)$ is : 564.7530598439251
- Minimum value for $m_\nu(eV)$ is : 4.2801281026368174e-17
- Maximum value for $m_\nu(eV)$ is : 23208.84250684303

$m_b(GeV)$:

- The average value for $m_b(GeV)$ is : 44.43774590243604
- Standard deviation for $m_b(GeV)$ is : 425.25419299636906
- Minimum value for $m_b(GeV)$ is : 2.799992332437624e-07
- Maximum value for $m_b(GeV)$ is : 8986.845743286196

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

- The average value for $m_b^{(1)}(GeV)$ is : 3548.385200560615
- Standard deviation for $m_b^{(1)}(GeV)$ is : 1973.0753905262698
- Minimum value for $m_b^{(1)}(GeV)$ is : 79.42419523485768
- Maximum value for $m_b^{(1)}(GeV)$ is : 19681.236900376316

$m_t(GeV)$:

- The average value for $m_t(GeV)$ is : 401.07650113224213
- Standard deviation for $m_t(GeV)$ is : 1484.2448816720098
- Minimum value for $m_t(GeV)$ is : 8.883477218365486e-06
- Maximum value for $m_t(GeV)$ is : 27948.000246701922

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

- The average value for $\langle\theta_H\rangle(rads)$ is : 0.38532274349622
- Standard deviation for $\langle\theta_H\rangle(rads)$ is : 0.821830540759536
- 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 : 112.68079579543335
- Standard deviation for $m_Z(GeV)$ is : 495.7785625178413
- 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 : 98.79991997239496
- Standard deviation for $m_{W^{\pm}}(GeV)$ is : 434.7047955688726
- 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 : 12217.54323642451
- Standard deviation for $m_{Z'}(GeV)$ is : 5961.055306087
- Minimum value for $m_{Z'}(GeV)$ is : 2406.1721144785306
- Maximum value for $m_{Z'}(GeV)$ is : 55776.075175680104

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 : 363647987.52343106
- Standard deviation for χ^2_G is : 4887568277.5192
- Minimum value for χ^2_G is : 11.246562163997389
- Maximum value for χ^2_G is : 171018837861.34985