SO11HosotaniDummyCase Failed-Global-Constr

July 7, 2020

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 : 1514338.6015079783
- Standard deviation for k(GeV) is : 2686951.4338121964
- Minimum value for k(GeV) is : 3251.4282
- Maximum value for k(GeV) is : 9998789.3624

z_L :

- The average value for z_L is : 375.6977735852149
- Standard deviation for z_L is : 665.1399866829229
- Minimum value for z_L is : 10.2235
- Maximum value for z_L is : 2499.3032

c_0 :

- The average value for c_0 is : 0.29678659088723675
- Standard deviation for c_0 is : 0.20195162542188766
- Minimum value for c_0 is : 0.0
- Maximum value for c_0 is : 1.3829290111473

c_1 :

- The average value for c_1 is : 0.3806633575735577
- Standard deviation for c_1 is : 0.5116404313945287

- Minimum value for c_1 is : 1.9287109375015765e-05
- Maximum value for c_1 is : 1.9999

c_2 :

- The average value for c_2 is : -0.5091737250190822
- Standard deviation for c_2 is : 1.0251346730897768
- Minimum value for c_2 is : -2.9993
- Maximum value for c_2 is : 2.9999

c_0' :

- The average value for c_0' is : 0.5394629669221203
- Standard deviation for c_0' is : 0.23035443000110276
- Minimum value for c_0' is : 0.0
- Maximum value for c_0' is : 3.4910387209040272

μ_1 :

- The average value for μ_1 is : 17.38497522238669
- Standard deviation for μ_1 is : 9.59082553617713
- Minimum value for μ_1 is : 0.0113
- Maximum value for μ_1 is : 64.49975233857032

μ_{11} :

- The average value for μ_{11} is : 7.269129677056526
- Standard deviation for μ_{11} is : 13.520780425220552
- Minimum value for μ_{11} is : 0.00016414231999992146
- Maximum value for μ_{11} is : 49.9992

μ_{11}' :

- The average value for μ_{11}' is : 7.220099518188792
- Standard deviation for μ_{11}' is : 13.400094979778007
- Minimum value for μ_{11}' is : 0.0005893571040000156
- Maximum value for μ_{11}' is : 49.9995

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 8.078470020767769
- Standard deviation for $\tilde{\mu_2}$ is : 12.936928944476946
- Minimum value for $\tilde{\mu_2}$ is : 0.0034
- Maximum value for $\tilde{\mu_2}$ is : 49.9871

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

m_H(GeV) :

- The average value for m_H(GeV) is : 2972.799516578919
- Standard deviation for m_H(GeV) is : 9250.846309327822
- Minimum value for m_H(GeV) is : 0.45307448803511796
- Maximum value for m_H(GeV) is : 292352.24274462357

m_{ψ_D}(GeV) :

- The average value for m_{ψ_D}(GeV) is : 3814.6631942322974
- Standard deviation for m_{ψ_D}(GeV) is : 15532.60648728151
- Minimum value for m_{ψ_D}(GeV) is : 1.913270108254778e-09
- Maximum value for m_{ψ_D}(GeV) is : 919669.1802558894

m_τ(GeV) :

- The average value for m_τ(GeV) is : 1265.2700042501451
- Standard deviation for m_τ(GeV) is : 10965.065750796726
- Minimum value for m_τ(GeV) is : 1.8313724781150871e-09
- Maximum value for m_τ(GeV) is : 487940.50524537964

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

- The average value for $m_\tau^{(1)}$(GeV) is : 8614.003578598955
- Standard deviation for $m_\tau^{(1)}$(GeV) is : 48242.07534384185
- Minimum value for $m_\tau^{(1)}$(GeV) is : 0.39981220509084303
- Maximum value for $m_\tau^{(1)}$(GeV) is : 1932436.3542203743

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 18190.212479993163

- Standard deviation for $m_\nu(eV)$ is : 97206.46710700638
- Minimum value for $m_\nu(eV)$ is : 7.151965406605109e-20
- Maximum value for $m_\nu(eV)$ is : 1504789.410101223

m_b(GeV) :

- The average value for m_b(GeV) is : 884.2534422450206
- Standard deviation for m_b(GeV) is : 8233.559053078867
- Minimum value for m_b(GeV) is : 7.544538179657289e-11
- Maximum value for m_b(GeV) is : 720614.875352194

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

- The average value for $m_b^{(1)}$(GeV) is : 7230.981041679045
- Standard deviation for $m_b^{(1)}$(GeV) is : 21013.218957840018
- Minimum value for $m_b^{(1)}$(GeV) is : 0.04217557408545054
- Maximum value for $m_b^{(1)}$(GeV) is : 1184723.883011818

m_t(GeV) :

- The average value for m_t(GeV) is : 1317.8715583204328
- Standard deviation for m_t(GeV) is : 10788.443340013195
- Minimum value for m_t(GeV) is : 3.16832609225149e-09
- Maximum value for m_t(GeV) is : 720614.875352194

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

- The average value for $\langle\theta_H\rangle$(rad) is : 0.5727269018075577
- Standard deviation for $\langle\theta_H\rangle$(rad) is : 1.0210064198106026
- Minimum value for $\langle\theta_H\rangle$(rad) is : 7.0250472106181405e-12
- Maximum value for $\langle\theta_H\rangle$(rad) is : 3.141592653524363

m_Z(GeV) :

- The average value for m_Z(GeV) is : 119.27255771028067
- Standard deviation for m_Z(GeV) is : 979.9059699312443
- Minimum value for m_Z(GeV) is : 6.425879431052796e-10
- Maximum value for m_Z(GeV) is : 121655.41467477535

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

- The average value for $m_{W^{\pm}}$(GeV) is : 104.57965861434009
- Standard deviation for $m_{W^{\pm}}$(GeV) is : 859.1937137668192
- Minimum value for $m_{W^{\pm}}$(GeV) is : 5.634290821772886e-10
- Maximum value for $m_{W^{\pm}}$(GeV) is : 106668.9771688979

$m_{Z'}$(GeV) :

- The average value for $m_{Z'}$(GeV) is : 20085.91727739978
- Standard deviation for $m_{Z'}$(GeV) is : 73437.62479494888
- Minimum value for $m_{Z'}$(GeV) is : 1.1129949657895232e-09
- Maximum value for $m_{Z'}$(GeV) is : 3655601.4895106247

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

y_t :

- The average value for y_t is : 0.6429909387525776
- Standard deviation for y_t is : 0.7108454543762281
- Minimum value for y_t is : -0.9913292142098233
- Maximum value for y_t is : 0.9913292142098233

τ_H :

- The average value for τ_H is : 1085.748212869088
- Standard deviation for τ_H is : 5243.200691147306
- Minimum value for τ_H is : 1.3514550664823795e-09
- Maximum value for τ_H is : 200466.26926003228

$\sigma(hh)(fb)$:

- The average value for $\sigma(hh)(fb)$ is : 597.4373262957521
- Standard deviation for $\sigma(hh)(fb)$ is : 17363.94979050278

- Minimum value for $\sigma(hh)(fb)$ is : 9.769117128787467e-19
- Maximum value for $\sigma(hh)(fb)$ is : 2108484.05431032

Δ_{HH} :

- The average value for Δ_{HH} is : 6.0928432274766315
- Standard deviation for Δ_{HH} is : 194.7602437681061
- Minimum value for Δ_{HH} is : 2.3341307108570765e-20
- Maximum value for Δ_{HH} is : 24842.93813309167

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

χ^2_G :

- The average value for χ^2_G is : 416584891929.4733
- Standard deviation for χ^2_G is : 10944608489847.244
- Minimum value for χ^2_G is : 18.644696044894935
- Maximum value for χ^2_G is : 831760548168437.9

$\Lambda_{\rm Max}$(GeV) :

- The average value for $\Lambda_{\rm Max}$(GeV) is : 2114220.6016633254
- Standard deviation for $\Lambda_{\rm Max}$(GeV) is : 1843041.996086546
- Minimum value for $\Lambda_{\rm Max}$(GeV) is : 0.0001464017599388523
- Maximum value for $\Lambda_{\rm Max}$(GeV) is : 13706417.659293504

$\sin^2\theta_W(\Lambda_{\rm Max})$:

- The average value for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.33673609084839956
- Standard deviation for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.18240645878335143
- Minimum value for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.00030167582429929674
- Maximum value for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.999885128520393

$\sin^2\theta_W(M_{\rm KK_5})$:

- The average value for $\sin^2\theta_W(M_{\rm KK_5})$ is : 0.32350845490147645
- Standard deviation for $\sin^2\theta_W(M_{\rm KK_5})$ is : 0.18882794874121447
- Minimum value for $\sin^2\theta_W(M_{\rm KK_5})$ is : 9.185989294591135e-05

- Maximum value for $\sin^2\theta_W(M_{\mathrm{KK}_5})$ is : 0.9996033492779586

$(\alpha)_{1Y}^{-1}$:

- The average value for $(\alpha)_{1Y}^{-1}$ is : 39.47412614463184
- Standard deviation for $(\alpha)_{1Y}^{-1}$ is : 24.392037740088277
- Minimum value for $(\alpha)_{1Y}^{-1}$ is : 8.02185177878334e-05
- Maximum value for $(\alpha)_{1Y}^{-1}$ is : 56.63796000521585

$(\alpha)_{2L}^{-1}$:

- The average value for $(\alpha)_{2L}^{-1}$ is : 22.538377920354993
- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 13.791584173200333
- Minimum value for $(\alpha)_{2L}^{-1}$ is : 1.634397783045749e-05
- Maximum value for $(\alpha)_{2L}^{-1}$ is : 45.32701285621434

$(\alpha)_{3C}^{-1}$:

- The average value for $(\alpha)_{3C}^{-1}$ is : 9.859039564187723
- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 5.872045073775326
- Minimum value for $(\alpha)_{3C}^{-1}$ is : 0.0002455358775531602
- Maximum value for $(\alpha)_{3C}^{-1}$ is : 15.356915161238378

$(\alpha)_{4C}^{-1}$:

- The average value for $(\alpha)_{4C}^{-1}$ is : 4.1634649785074425
- Standard deviation for $(\alpha)_{4C}^{-1}$ is : 2.312139638672903
- Minimum value for $(\alpha)_{4C}^{-1}$ is : 0.00016930397637715533
- Maximum value for $(\alpha)_{4C}^{-1}$ is : 6.79213347223117

$(\alpha)_{2L}^{-1}$:

- The average value for $(\alpha)_{2L}^{-1}$ is : 21.888692318233737
- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 13.390268459059635
- Minimum value for $(\alpha)_{2L}^{-1}$ is : 5.10189173612563e-05
- Maximum value for $(\alpha)_{2L}^{-1}$ is : 44.51043175520329

$(\alpha)_{3C}^{-1}$:

- The average value for $(\alpha)_{3C}^{-1}$ is : 55.10435492608465

- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 34.20266811562909
- Minimum value for $(\alpha)_{3C}^{-1}$ is : 7.584698297180559e-05
- Maximum value for $(\alpha)_{3C}^{-1}$ is : 80.92185478084602

$\sin^2\theta_W$:

- The average value for $\sin^2\theta_W$ is : 0.5043966184770987
- Standard deviation for $\sin^2\theta_W$ is : 0.2897888661984584
- Minimum value for $\sin^2\theta_W$ is : 9.35082680812993e-05
- Maximum value for $\sin^2\theta_W$ is : 0.9999815441985174