SO11HosotaniDummyCase Failed-Global-Constr

January 10, 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 : 128791.92954715391
- Standard deviation for k(GeV) is : 62563.93522525401
- Minimum value for k(GeV) is : 23684.801448552284
- Maximum value for k(GeV) is : 568436.9874120001

z_L :

- The average value for z_L is : 35.63739087469231
- Standard deviation for z_L is : 3.461479502895751
- Minimum value for z_L is : 17.43649508024567
- Maximum value for z_L is : 51.226730749863854

c_0 :

- The average value for c_0 is : 0.27015337889777435
- Standard deviation for c_0 is : 0.1677634153163869
- 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 : 0.13140569251136963
- Standard deviation for c_1 is : 0.10665234818618537

- Minimum value for c_1 is : 1.9287109375015765e-05
- Maximum value for c_1 is : 0.6766512788619184

c_2 :

- The average value for c_2 is : -0.7183905700318456
- Standard deviation for c_2 is : 0.18810387150031582
- Minimum value for c_2 is : -1.2471465930399999
- Maximum value for c_2 is : -0.1545541855833397

c_0' :

- The average value for c_0' is : 0.5656656631342787
- Standard deviation for c_0' is : 0.19800845454069543
- 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 : 14.482241802076963
- Standard deviation for μ_1 is : 4.126119554221029
- Minimum value for μ_1 is : 6.144251796106855
- Maximum value for μ_1 is : 64.49975233857032

μ_{11} :

- The average value for μ_{11} is : 0.2934377250426673
- Standard deviation for μ_{11} is : 0.2289393790731095
- Minimum value for μ_{11} is : 0.00016414231999992146
- Maximum value for μ_{11} is : 2.23977

μ_{11}' :

- The average value for μ_{11}' is : 0.3499724970098516
- Standard deviation for μ_{11}' is : 0.2870630534681677
- Minimum value for μ_{11}' is : 0.0005893571040000156
- Maximum value for μ_{11}' is : 2.2649599043224953

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 1.6012272738684992
- Standard deviation for $\tilde{\mu_2}$ is : 1.0390439292037807
- Minimum value for $\tilde{\mu_2}$ is : 0.0045119999999998495
- Maximum value for $\tilde{\mu_2}$ is : 9.44110403644189

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

m_H(GeV) :

- The average value for m_H(GeV) is : 160.70917406815752
- Standard deviation for m_H(GeV) is : 215.95145033714084
- Minimum value for m_H(GeV) is : 6.035070957702646
- Maximum value for m_H(GeV) is : 3569.183086071825

m_{ψ_D}(GeV) :

- The average value for m_{ψ_D}(GeV) is : 2789.9618770208726
- Standard deviation for m_{ψ_D}(GeV) is : 1320.6106562822501
- Minimum value for m_{ψ_D}(GeV) is : 539.2456808043827
- Maximum value for m_{ψ_D}(GeV) is : 30817.778632083326

m_τ(GeV) :

- The average value for m_τ(GeV) is : 14.936739201832502
- Standard deviation for m_τ(GeV) is : 172.11809412038795
- Minimum value for m_τ(GeV) is : 2.7271938653701917e-07
- Maximum value for m_τ(GeV) is : 5353.710492830509

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

- The average value for $m_\tau^{(1)}$(GeV) is : 1239.8838466021023
- Standard deviation for $m_\tau^{(1)}$(GeV) is : 1709.2240330902923
- 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 : 7.561628392452469

- Standard deviation for $m_\nu(eV)$ is : 222.54199169504358
- Minimum value for $m_\nu(eV)$ is : 4.2801281026368174e-17
- Maximum value for $m_\nu(eV)$ is : 20070.359124082406

m_b(GeV) :

- The average value for m_b(GeV) is : 22.426503847186563
- Standard deviation for m_b(GeV) is : 303.59355839700163
- 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 : 3959.5346166576887
- Standard deviation for $m_b^{(1)}$(GeV) is : 2122.149145358759
- 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 : 254.59898367355646
- Standard deviation for m_t(GeV) is : 891.749335766004
- Minimum value for m_t(GeV) is : 8.883477218365486e-06
- Maximum value for m_t(GeV) is : 27948.000246701922

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

- The average value for $\langle\theta_H\rangle$(rad) is : 0.18648568757814338
- Standard deviation for $\langle\theta_H\rangle$(rad) is : 0.3905983780535901
- Minimum value for $\langle\theta_H\rangle$(rad) is : 5.5389874692659366e-09
- Maximum value for $\langle\theta_H\rangle$(rad) is : 3.141592653524363

m_Z(GeV) :

- The average value for m_Z(GeV) is : 108.99619975766346
- Standard deviation for m_Z(GeV) is : 315.4506686823663
- Minimum value for m_Z(GeV) is : 1.2121014312745615e-07
- Maximum value for m_Z(GeV) is : 29797.464985761995

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

- The average value for $m_{W^{\pm}}$(GeV) is : 95.56922044553716
- Standard deviation for $m_{W^{\pm}}$(GeV) is : 276.5910606243638
- Minimum value for $m_{W^{\pm}}$(GeV) is : 1.0627855755098015e-07
- Maximum value for $m_{W^{\pm}}$(GeV) is : 26126.787046465266

$m_{Z'}$(GeV) :

- The average value for $m_{Z'}$(GeV) is : 13402.621420568756
- Standard deviation for $m_{Z'}$(GeV) is : 6519.837951645489
- Minimum value for $m_{Z'}$(GeV) is : 2406.1721144785306
- Maximum value for $m_{Z'}$(GeV) is : 62589.662924720586

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 : 0.8657718149023211
- Standard deviation for y_t is : 0.4495307546991474
- 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 : 32.43008495598633
- Standard deviation for τ_H is : 39.50382655740687
- Minimum value for τ_H is : 1.3514550664823795e-09
- Maximum value for τ_H is : 656.4358702272674

$\sigma(hh)(fb)$:

- The average value for $\sigma(hh)(fb)$ is : 827.8635187263557
- Standard deviation for $\sigma(hh)(fb)$ is : 20437.04831059802

- 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 : 8.25123754155808
- Standard deviation for Δ_{HH} is : 229.2449724780031
- 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 : 122512621.65643261
- Standard deviation for χ^2_G is : 1876976613.5303695
- Minimum value for χ^2_G is : 3.776936935524515
- Maximum value for χ^2_G is : 90824743137.21648

$\sin^2\theta_W$:

- The average value for $\sin^2\theta_W$ is : 0.04848071061473447
- Standard deviation for $\sin^2\theta_W$ is : 0.03584800400057858
- Minimum value for $\sin^2\theta_W$ is : 0.0
- Maximum value for $\sin^2\theta_W$ is : 0.21018275972024553