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 : 128801.71907153299
- Standard deviation for k(GeV) is : 62573.08931934917
- 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 : 35.6393773187929
- Standard deviation for z_L is : 3.4602158944008474
- 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 : 0.27017533002489086
- Standard deviation for c_0 is : 0.16778249594772685
- 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 : 0.13141332566910877
- Standard deviation for c_1 is : 0.10667290379650998

- 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 : -0.7184663846765416
- Standard deviation for c_2 is : 0.18809700390990003
- 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 : 0.5656942004151122
- Standard deviation for c_0' is : 0.19804515842922746
- 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 : 14.482274870724245
- Standard deviation for μ_1 is : 4.126231334839101
- 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 : 0.2934493646646469
- Standard deviation for μ_{11} is : 0.2289802861203293
- 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 : 0.35002730615448896
- Standard deviation for μ_{11}' is : 0.28710730270351903
- 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 : 1.6005892912231532
- Standard deviation for $\tilde{\mu_2}$ is : 1.0380817311215622
- 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 : 160.7237856591854
- Standard deviation for m_H(GeV) is : 215.99762008867668
- 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 : 2789.8791830575533
- Standard deviation for m_{ψ_D}(GeV) is : 1320.7689852015421
- 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 : 14.942507646783648
- Standard deviation for m_τ(GeV) is : 172.15557408532848
- 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 : 1239.6025592736028
- Standard deviation for $m_\tau^{(1)}$(GeV) is : 1709.5201709778044
- 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 : 7.564916484507639

- Standard deviation for $m_\nu(eV)$ is : 222.59068170146205
- 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 : 22.43450897402143
- Standard deviation for m_b(GeV) is : 303.65981640280324
- 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 : 3959.472713083984
- Standard deviation for $m_b^{(1)}$(GeV) is : 2122.453457601219
- 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 : 254.6353847214764
- Standard deviation for m_t(GeV) is : 891.9429665901321
- 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 : 0.18651769497011944
- Standard deviation for $\langle\theta_H\rangle$(rad) is : 0.3906799966867381
- 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 : 109.00409013171678
- Standard deviation for m_Z(GeV) is : 315.5195381976891
- 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 : 95.57613882341614
- Standard deviation for $m_{W^{\pm}}$(GeV) is : 276.651446269978
- 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 : 13402.870921068596
- Standard deviation for $m_{Z'}$(GeV) is : 6520.854560231592
- 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 : 0.865719958311292
- Standard deviation for y_t is : 0.44962237542620564
- 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 : 32.43104259684015
- Standard deviation for τ_H is : 39.51244445189893
- 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 : 828.2183466755355
- Standard deviation for $\sigma(hh)(fb)$ is : 20441.51779718682

- 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 : 8.254798076775442
- Standard deviation for Δ_{HH} is : 229.29512303340576
- 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 : 122566297.70881166
- Standard deviation for χ^2_G is : 1877385993.212863
- 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 : 0.21733258106777295
- Standard deviation for $\sin^2\theta_W$ is : 0.014115927620855711
- Minimum value for $\sin^2\theta_W$ is : 0.05097130997659136
- Maximum value for $\sin^2\theta_W$ is : 0.2645621273607718