SO11HosotaniDummyCase Failed-Global-Constr

October 31, 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 : 131419.02010060567
- Standard deviation for $k(GeV)$ is : 61774.595280730384
- Minimum value for $k(GeV)$ is : 29745.70897245925
- Maximum value for $k(GeV)$ is : 523128.26238726394

z_L :

- The average value for z_L is : 35.6584250916059
- Standard deviation for z_L is : 3.6072771335844265
- 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 : 0.2827130836659543
- Standard deviation for c_0 is : 0.13030320772803325
- Minimum value for c_0 is : 0.0025213920320000037
- Maximum value for c_0 is : 0.935307633568

c_1 :

- The average value for c_1 is : 0.12691591990562567
- Standard deviation for c_1 is : 0.10468208195066353

- Minimum value for c_1 is : 0.00012500000000000705
- Maximum value for c_1 is : 0.6766512788619184

c_2 :

- The average value for c_2 is : -0.6655735692167793
- Standard deviation for c_2 is : 0.17679249023165308
- Minimum value for c_2 is : -1.2083085984
- Maximum value for c_2 is : -0.1545541855833397

c_0' :

- The average value for c_0' is : 0.5444842995070358
- Standard deviation for c_0' is : 0.1076241854583433
- Minimum value for c_0' is : 0.062000923215999953
- Maximum value for c_0' is : 0.8767618044000001

μ_1 :

- The average value for μ_1 is : 15.183728748218813
- Standard deviation for μ_1 is : 4.4832750415923375
- Minimum value for μ_1 is : 6.455597256463612
- Maximum value for μ_1 is : 64.49975233857032

μ_{11} :

- The average value for μ_{11} is : 0.26050335763391497
- Standard deviation for μ_{11} is : 0.14413825228040972
- Minimum value for μ_{11} is : 0.01837499999999999
- Maximum value for μ_{11} is : 1.975788793927787

μ_{11}' :

- The average value for μ_{11}' is : 0.31515955306194543
- Standard deviation for μ_{11}' is : 0.2219418904312501
- Minimum value for μ_{11}' is : 0.0531
- Maximum value for μ_{11}' is : 2.2649599043224953

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 2.003205893659651
- Standard deviation for $\tilde{\mu_2}$ is : 1.162020317625764
- Minimum value for $\tilde{\mu_2}$ is : 0.1649601732422849
- 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 : 122.26177174433124
- Standard deviation for $m_H(GeV)$ is : 20.855756666334706
- Minimum value for $m_H(GeV)$ is : 52.33436917468068
- Maximum value for $m_H(GeV)$ is : 202.0744221515794

$m_{\psi_D}(GeV)$:

- The average value for $m_{\psi_D}(GeV)$ is : 2786.818032725333
- Standard deviation for $m_{\psi_D}(GeV)$ is : 1179.6792882369941
- Minimum value for $m_{\psi_D}(GeV)$ is : 694.1733143694274
- Maximum value for $m_{\psi_D}(GeV)$ is : 10442.777162449904

$m_\tau(GeV)$:

- The average value for $m_\tau(GeV)$ is : 1.7617961030799212
- Standard deviation for $m_\tau(GeV)$ is : 0.3775348610732652
- Minimum value for $m_\tau(GeV)$ is : 0.5420603757183141
- Maximum value for $m_\tau(GeV)$ is : 2.976857176277222

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

- The average value for $m_\tau^{(1)}(GeV)$ is : 1358.144909827302
- Standard deviation for $m_\tau^{(1)}(GeV)$ is : 842.9429928592484
- Minimum value for $m_\tau^{(1)}(GeV)$ is : 560.0116961150059
- Maximum value for $m_\tau^{(1)}(GeV)$ is : 9408.50360034721

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 0.09264627886559246

- Standard deviation for $m_\nu(eV)$ is : 0.07167004273906506
- Minimum value for $m_\nu(eV)$ is : 0.006231557258860766
- Maximum value for $m_\nu(eV)$ is : 0.919236356003685

$m_b(GeV)$:

- The average value for $m_b(GeV)$ is : 4.132611529429324
- Standard deviation for $m_b(GeV)$ is : 0.6196872582526647
- Minimum value for $m_b(GeV)$ is : 0.42696917510732646
- Maximum value for $m_b(GeV)$ is : 7.649928503463035

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

- The average value for $m_b^{(1)}(GeV)$ is : 3965.1886597234643
- Standard deviation for $m_b^{(1)}(GeV)$ is : 2004.357281422826
- Minimum value for $m_b^{(1)}(GeV)$ is : 712.5212477201161
- Maximum value for $m_b^{(1)}(GeV)$ is : 15695.89257173306

$m_t(GeV)$:

- The average value for $m_t(GeV)$ is : 168.71312548991307
- Standard deviation for $m_t(GeV)$ is : 24.56516026831626
- Minimum value for $m_t(GeV)$ is : 58.15672747868103
- Maximum value for $m_t(GeV)$ is : 256.0695973997997

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

- The average value for $\langle\theta_H\rangle(rads)$ is : 0.12279779747168598
- Standard deviation for $\langle\theta_H\rangle(rads)$ is : 0.06565765614471793
- Minimum value for $\langle\theta_H\rangle(rads)$ is : 0.025784131883611755
- Maximum value for $\langle\theta_H\rangle(rads)$ is : 0.4766952636684142

$m_Z(GeV)$:

- The average value for $m_Z(GeV)$ is : 87.50542563760057
- Standard deviation for $m_Z(GeV)$ is : 10.709336519070103
- Minimum value for $m_Z(GeV)$ is : 47.13680379892037
- Maximum value for $m_Z(GeV)$ is : 137.79573183204448

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

- The average value for $m_{W^{\pm}}(GeV)$ is : 76.72584302511356
- Standard deviation for $m_{W^{\pm}}(GeV)$ is : 9.390079148557577
- Minimum value for $m_{W^{\pm}}(GeV)$ is : 41.33013447599875
- Maximum value for $m_{W^{\pm}}(GeV)$ is : 120.82100753228207

$m_{Z'}(GeV)$:

- The average value for $m_{Z'}(GeV)$ is : 13662.775564880187
- Standard deviation for $m_{Z'}(GeV)$ is : 6415.558862130382
- Minimum value for $m_{Z'}(GeV)$ is : 3140.2627514624337
- 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 : 0.9741982603919681
- Standard deviation for y_t is : 0.12226201098612838
- Minimum value for y_t is : -0.9902971840968053
- Maximum value for y_t is : 0.9909997039996103

τ_H :

- The average value for τ_H is : 29.759006899238635
- Standard deviation for τ_H is : 11.693114145728932
- Minimum value for τ_H is : 2.648522163762347
- Maximum value for τ_H is : 89.19201917955934

$\sigma(hh)(fb)$:

- The average value for $\sigma(hh)(fb)$ is : 23.617803034039504
- Standard deviation for $\sigma(hh)(fb)$ is : 18.765384892011678

- Minimum value for $\sigma(hh)(fb)$ is : 2.819584522151383
- Maximum value for $\sigma(hh)(fb)$ is : 250.6469840585535

Δ_{HH} :

- The average value for Δ_{HH} is : 0.16017964993241582
- Standard deviation for Δ_{HH} is : 0.12938625746069896
- Minimum value for Δ_{HH} is : 0.01923828302564253
- Maximum value for Δ_{HH} is : 1.7088321202201058

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

χ^2_G :

- The average value for χ^2_G is : 1167.5105864959694
- Standard deviation for χ^2_G is : 1193.2007108984717
- Minimum value for χ^2_G is : 20.758817868524343
- Maximum value for χ^2_G is : 4995.513533168523