SO11HosotaniDummyCase Failed-Global-Constr

January 21, 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 : 129647.32531005506
- Standard deviation for k(GeV) is : 63805.8230130357
- 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 : 35.65037462537694
- Standard deviation for z_L is : 3.4566977733268525
- 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 : 0.26889104420969284
- Standard deviation for c_0 is : 0.16997053261159598
- Minimum value for c_0 is : 0.0014
- Maximum value for c_0 is : 1.231647031325609

c_1 :

- The average value for c_1 is : 0.1271376237829456
- Standard deviation for c_1 is : 0.1017145842772635

- Minimum value for c_1 is : 1.9287109375015765e-05
- Maximum value for c_1 is : 0.6756655423950202

c_2 :

- The average value for c_2 is : -0.7117506077472767
- Standard deviation for c_2 is : 0.1868242184153944
- 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 : 0.572514486456353
- Standard deviation for c_0' is : 0.20318717693129862
- 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 : 14.58775857931152
- Standard deviation for μ_1 is : 4.24418549151289
- 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 : 0.289453452705812
- Standard deviation for μ_{11} is : 0.219698552930096
- 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 : 0.360730455102262
- Standard deviation for μ_{11}' is : 0.2858359164137245
- 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 : 1.6810484993568358
- Standard deviation for $\tilde{\mu_2}$ is : 1.0292996389394204
- 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 : 160.04641760888512
- Standard deviation for m_H(GeV) is : 219.4239818233438
- 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 : 2786.052178989165
- Standard deviation for m_{ψ_D}(GeV) is : 1341.900455173803
- 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 : 15.8087850513123
- Standard deviation for m_τ(GeV) is : 179.8231216874051
- Minimum value for m_τ(GeV) is : 4.4043053013378107e-07
- Maximum value for m_τ(GeV) is : 5353.710492830509

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

- The average value for $m_\tau^{(1)}$(GeV) is : 1286.7774468704376
- Standard deviation for $m_\tau^{(1)}$(GeV) is : 1681.2709731975763
- 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 : 6.918862702707435

- Standard deviation for $m_\nu(eV)$ is : 225.67835211640931
- Minimum value for $m_\nu(eV)$ is : 6.905872012793404e-17
- Maximum value for $m_\nu(eV)$ is : 20070.359124082406

m_b(GeV) :

- The average value for m_b(GeV) is : 18.42717576515878
- Standard deviation for m_b(GeV) is : 257.61876421072236
- Minimum value for m_b(GeV) is : 4.4286077974223163e-07
- Maximum value for m_b(GeV) is : 8986.708693002925

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

- The average value for $m_b^{(1)}$(GeV) is : 4004.2441097302976
- Standard deviation for $m_b^{(1)}$(GeV) is : 2151.48344702655
- Minimum value for $m_b^{(1)}$(GeV) is : 164.1576766665587
- Maximum value for $m_b^{(1)}$(GeV) is : 19681.236900376316

m_t(GeV) :

- The average value for m_t(GeV) is : 252.59543019988365
- Standard deviation for m_t(GeV) is : 819.9849427485609
- Minimum value for m_t(GeV) is : 1.1140066853307358e-05
- Maximum value for m_t(GeV) is : 27948.000246701922

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

- The average value for $\langle\theta_H\rangle$(rad) is : 0.19353271030403355
- Standard deviation for $\langle\theta_H\rangle$(rad) is : 0.4076220505516066
- 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 : 108.87183253903238
- Standard deviation for m_Z(GeV) is : 190.86433749235138
- Minimum value for m_Z(GeV) is : 1.2121014312745615e-07
- Maximum value for m_Z(GeV) is : 17972.747128987812

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

- The average value for $m_{W^{\pm}}$(GeV) is : 95.46017372500947
- Standard deviation for $m_{W^{\pm}}$(GeV) is : 167.35221948612414
- Minimum value for $m_{W^{\pm}}$(GeV) is : 1.0627855755098015e-07
- Maximum value for $m_{W^{\pm}}$(GeV) is : 15758.727700608339

$m_{Z'}$(GeV) :

- The average value for $m_{Z'}$(GeV) is : 13482.523669641816
- Standard deviation for $m_{Z'}$(GeV) is : 6638.09438235508
- 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 : 0.8664644421655036
- Standard deviation for y_t is : 0.4466085222813695
- 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 : 31.986848935165757
- Standard deviation for τ_H is : 39.24432112130587
- 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 : 887.2133433369787
- Standard deviation for $\sigma(hh)(fb)$ is : 21470.35227378601

- 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 : 8.871661986684177
- Standard deviation for Δ_{HH} is : 240.90220833074727
- 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 : 123332171.85433744
- Standard deviation for χ^2_G is : 1927084400.109561
- Minimum value for χ^2_G is : 18.644696044894935
- Maximum value for χ^2_G is : 90824743137.21648

Λ_{Max} :

- The average value for Λ_{Max} is : 1468773.2226548973
- Standard deviation for Λ_{Max} is : 1263069.804081004
- Minimum value for Λ_{Max} is : 71295.45760415505
- Maximum value for Λ_{Max} is : 10683637.20798487

$\sin^2\theta_W@\Lambda$:

- The average value for $\sin^2\theta_W@\Lambda$ is : 0.05341109744784086
- Standard deviation for $\sin^2\theta_W@\Lambda$ is : 0.03396910762776724
- Minimum value for $\sin^2\theta_W@\Lambda$ is : 0.008423233718834073
- Maximum value for $\sin^2\theta_W@\Lambda$ is : 0.21018275972024553

$\sin^2\theta_W@\text{KK}_5$:

- The average value for $\sin^2\theta_W@\text{KK}_5$ is : 0.04539642081910122
- Standard deviation for $\sin^2\theta_W@\text{KK}_5$ is : 0.0350944219859215
- Minimum value for $\sin^2\theta_W@\text{KK}_5$ is : 6.464799329763525e-06

- Maximum value for $\sin^2\theta_W$@KK$_5$ is : 0.19679382444382307

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

- The average value for $(\alpha)_{1Y}^{-1}$ is : 73.22614952730565
- Standard deviation for $(\alpha)_{1Y}^{-1}$ is : 3.02369299854738
- Minimum value for $(\alpha)_{1Y}^{-1}$ is : 60.31724004823647
- Maximum value for $(\alpha)_{1Y}^{-1}$ is : 77.73637645805941

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

- The average value for $(\alpha)_{2L}^{-1}$ is : 5.779235659507797
- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 4.426569385704222
- Minimum value for $(\alpha)_{2L}^{-1}$ is : 0.000793187458654715
- Maximum value for $(\alpha)_{2L}^{-1}$ is : 24.61842877200085

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

- The average value for $(\alpha)_{3C}^{-1}$ is : 12.884852464320847
- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 0.6216336425815737
- Minimum value for $(\alpha)_{3C}^{-1}$ is : 10.779466016775926
- Maximum value for $(\alpha)_{3C}^{-1}$ is : 15.035048072368802

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

- The average value for $(\alpha)_{4C}^{-1}$ is : 9.831169614180386
- Standard deviation for $(\alpha)_{4C}^{-1}$ is : 1.6908650986010274
- Minimum value for $(\alpha)_{4C}^{-1}$ is : 4.670984399811434
- Maximum value for $(\alpha)_{4C}^{-1}$ is : 13.158916975793897

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

- The average value for $(\alpha)_{2L}^{-1}$ is : 6.4415822264751545
- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 3.8467769461354666
- Minimum value for $(\alpha)_{2L}^{-1}$ is : 1.063286206041109
- Maximum value for $(\alpha)_{2L}^{-1}$ is : 23.59003138192766

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

- The average value for $(\alpha)_{3C}^{-1}$ is : 109.82933895761578
- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 6.128378842341186
- Minimum value for $(\alpha)_{3C}^{-1}$ is : 84.61160720025853
- Maximum value for $(\alpha)_{3C}^{-1}$ is : 119.1909454498855