SO11HosotaniDummyCase Passed-Global-Constr

February 24, 2020

Statistics for SO11HosotaniDummyCase attributes. The following is for points that **Passed-Global-Constr** the constraints:

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

k(GeV) :

- The average value for k(GeV) is : 107809.78542149678
- Standard deviation for k(GeV) is : 32068.540826980694
- Minimum value for k(GeV) is : 55445.246882626576
- Maximum value for k(GeV) is : 253212.00976388998

z_L :

- The average value for z_L is : 34.24784737932291
- Standard deviation for z_L is : 2.7564236121502392
- Minimum value for z_L is : 27.190748623708306
- Maximum value for z_L is : 37.91522304445407

c_0 :

- The average value for c_0 is : 0.3112925589242991
- Standard deviation for c_0 is : 0.06641213435319059
- Minimum value for c_0 is : 0.10509088
- Maximum value for c_0 is : 0.361

c_1 :

- The average value for c_1 is : 0.07136741274663543
- Standard deviation for c_1 is : 0.08184128674494111

- Minimum value for c_1 is : 0.013383665466308509
- Maximum value for c_1 is : 0.33233057182169856

c_2 :

- The average value for c_2 is : -0.5836169446353631
- Standard deviation for c_2 is : 0.08121085036963116
- Minimum value for c_2 is : -0.845352
- Maximum value for c_2 is : -0.385170518272

c_0' :

- The average value for c_0' is : 0.5314527024710343
- Standard deviation for c_0' is : 0.037274267574094404
- Minimum value for c_0' is : 0.40862289943999996
- Maximum value for c_0' is : 0.5897

μ_1 :

- The average value for μ_1 is : 14.72117544905115
- Standard deviation for μ_1 is : 2.6061953798335193
- Minimum value for μ_1 is : 10.286653277462635
- Maximum value for μ_1 is : 24.34001746864883

μ_{11} :

- The average value for μ_{11} is : 0.19313491510139752
- Standard deviation for μ_{11} is : 0.08766341844434038
- Minimum value for μ_{11} is : 0.1162980146214366
- Maximum value for μ_{11} is : 0.3896164149785195

μ_{11}' :

- The average value for μ_{11}' is : 0.18695943020684236
- Standard deviation for μ_{11}' is : 0.05818268528992056
- Minimum value for μ_{11}' is : 0.11117737733801236
- Maximum value for μ_{11}' is : 0.37802739375647987

$\tilde{\mu_2}$:

- The average value for $\tilde{\mu_2}$ is : 1.7880051023658141
- Standard deviation for $\tilde{\mu_2}$ is : 1.2736443353120785
- Minimum value for $\tilde{\mu_2}$ is : 0.8471479999999998
- Maximum value for $\tilde{\mu_2}$ is : 6.416193034836342

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

m_H(GeV) :

- The average value for m_H(GeV) is : 127.37864964482884
- Standard deviation for m_H(GeV) is : 1.9782998019975193
- Minimum value for m_H(GeV) is : 122.3673385421512
- Maximum value for m_H(GeV) is : 129.80513509684775

m_{ψ_D}(GeV) :

- The average value for m_{ψ_D}(GeV) is : 2497.772099391411
- Standard deviation for m_{ψ_D}(GeV) is : 730.452397790814
- Minimum value for m_{ψ_D}(GeV) is : 1371.6904066415134
- Maximum value for m_{ψ_D}(GeV) is : 5268.105264186319

m_τ(GeV) :

- The average value for m_τ(GeV) is : 1.7545665167341082
- Standard deviation for m_τ(GeV) is : 0.02159752359528236
- Minimum value for m_τ(GeV) is : 1.7167560943085807
- Maximum value for m_τ(GeV) is : 1.8068016093967403

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

- The average value for $m_\tau^{(1)}$(GeV) is : 1379.9916747584812
- Standard deviation for $m_\tau^{(1)}$(GeV) is : 416.10679292238115
- Minimum value for $m_\tau^{(1)}$(GeV) is : 727.3069068822812
- Maximum value for $m_\tau^{(1)}$(GeV) is : 2551.0692462747534

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 0.09552918607103777

- Standard deviation for $m_\nu(eV)$ is : 0.0331760702028017
- Minimum value for $m_\nu(eV)$ is : 0.020601423117924678
- Maximum value for $m_\nu(eV)$ is : 0.1328272849724689

m_b(GeV) :

- The average value for m_b(GeV) is : 4.158269670968372
- Standard deviation for m_b(GeV) is : 0.07542866591087509
- Minimum value for m_b(GeV) is : 3.9917906958817246
- Maximum value for m_b(GeV) is : 4.384711470085788

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

- The average value for $m_b^{(1)}$(GeV) is : 3381.4482989923795
- Standard deviation for $m_b^{(1)}$(GeV) is : 1172.7573134294475
- Minimum value for $m_b^{(1)}$(GeV) is : 1495.2767699310994
- Maximum value for $m_b^{(1)}$(GeV) is : 8473.705671593076

m_t(GeV) :

- The average value for m_t(GeV) is : 172.40578630156546
- Standard deviation for m_t(GeV) is : 2.8199596306776504
- Minimum value for m_t(GeV) is : 167.15526346429266
- Maximum value for m_t(GeV) is : 178.92299178539824

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

- The average value for $\langle\theta_H\rangle$(rad) is : 0.13013723675730435
- Standard deviation for $\langle\theta_H\rangle$(rad) is : 0.03606578575844282
- Minimum value for $\langle\theta_H\rangle$(rad) is : 0.05017016818823639
- Maximum value for $\langle\theta_H\rangle$(rad) is : 0.2222597944309811

m_Z(GeV) :

- The average value for m_Z(GeV) is : 91.94910226805946
- Standard deviation for m_Z(GeV) is : 1.1724041602891588
- Minimum value for m_Z(GeV) is : 88.8937820474113
- Maximum value for m_Z(GeV) is : 94.65471272418216

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

- The average value for $m_{W^{\pm}}$(GeV) is : 80.62211383482264
- Standard deviation for $m_{W^{\pm}}$(GeV) is : 1.0279785157194135
- Minimum value for $m_{W^{\pm}}$(GeV) is : 77.94317115289397
- Maximum value for $m_{W^{\pm}}$(GeV) is : 82.9944266557819

$m_{Z'}$(GeV) :

- The average value for $m_{Z'}$(GeV) is : 11635.701836232463
- Standard deviation for $m_{Z'}$(GeV) is : 3474.2253091836146
- Minimum value for $m_{Z'}$(GeV) is : 6262.967650411356
- Maximum value for $m_{Z'}$(GeV) is : 27094.417927659804

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 : 0.9823084621126157
- Standard deviation for y_t is : 0.00525724134379962
- Minimum value for y_t is : 0.9669443037702264
- Maximum value for y_t is : 0.9900818653732869

τ_H :

- The average value for τ_H is : 29.882675047130252
- Standard deviation for τ_H is : 1.1957862254688123
- Minimum value for τ_H is : 27.20407111212093
- Maximum value for τ_H is : 31.632099263565543

$\sigma(hh)(fb)$:

- The average value for $\sigma(hh)(fb)$ is : 17.625166681729528
- Standard deviation for $\sigma(hh)(fb)$ is : 0.8499101989424039

- Minimum value for $\sigma(hh)(fb)$ is : 16.124911402304566
- Maximum value for $\sigma(hh)(fb)$ is : 19.67112228470861

Δ_{HH} :

- The average value for Δ_{HH} is : 0.12201598804280298
- Standard deviation for Δ_{HH} is : 0.0054822375386911785
- Minimum value for Δ_{HH} is : 0.11339357454058306
- Maximum value for Δ_{HH} is : 0.13496472214819547

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

χ^2_G :

- The average value for χ^2_G is : 14.115373275999378
- Standard deviation for χ^2_G is : 3.575416533931879
- Minimum value for χ^2_G is : 3.776936935524515
- Maximum value for χ^2_G is : 19.65299759891989

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

- The average value for $\Lambda_{\rm Max}$(GeV) is : 1019791.6177266919
- Standard deviation for $\Lambda_{\rm Max}$(GeV) is : 759027.4519538343
- Minimum value for $\Lambda_{\rm Max}$(GeV) is : 433860.4721865347
- Maximum value for $\Lambda_{\rm Max}$(GeV) is : 2753774.5690759397

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

- The average value for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.041429816990297234
- Standard deviation for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.013163903206694503
- Minimum value for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.029321836931655264
- Maximum value for $\sin^2\theta_W(\Lambda_{\rm Max})$ is : 0.0672290640658904

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

- The average value for $\sin^2\theta_W(M_{\rm KK_5})$ is : 0.03284968242887869
- Standard deviation for $\sin^2\theta_W(M_{\rm KK_5})$ is : 0.01385508284785603
- Minimum value for $\sin^2\theta_W(M_{\rm KK_5})$ is : 0.020113772348552446

- Maximum value for $\sin^2\theta_W(M_{\mathrm{KK}_5})$ is : 0.05998553898918482

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

- The average value for $(\alpha)_{1Y}^{-1}$ is : 74.32465038903123
- Standard deviation for $(\alpha)_{1Y}^{-1}$ is : 1.3118440829157212
- Minimum value for $(\alpha)_{1Y}^{-1}$ is : 71.98885747661801
- Maximum value for $(\alpha)_{1Y}^{-1}$ is : 75.62434621187636

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

- The average value for $(\alpha)_{2L}^{-1}$ is : 4.199916956142213
- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 1.7599787131846718
- Minimum value for $(\alpha)_{2L}^{-1}$ is : 2.5861083048276208
- Maximum value for $(\alpha)_{2L}^{-1}$ is : 7.653243263929254

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

- The average value for $(\alpha)_{3C}^{-1}$ is : 12.606145497627212
- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 0.48461959597004406
- Minimum value for $(\alpha)_{3C}^{-1}$ is : 12.13786007020721
- Maximum value for $(\alpha)_{3C}^{-1}$ is : 13.498164861956129

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

- The average value for $(\alpha)_{4C}^{-1}$ is : 10.300835715006423
- Standard deviation for $(\alpha)_{4C}^{-1}$ is : 0.3488867931470378
- Minimum value for $(\alpha)_{4C}^{-1}$ is : 9.522318254414696
- Maximum value for $(\alpha)_{4C}^{-1}$ is : 10.556171747324495

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

- The average value for $(\alpha)_{2L}^{-1}$ is : 5.119164000860411
- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 1.5600487127024751
- Minimum value for $(\alpha)_{2L}^{-1}$ is : 3.678697420856124
- Maximum value for $(\alpha)_{2L}^{-1}$ is : 8.159075073865814

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

- The average value for $(\alpha)_{3C}^{-1}$ is : 112.1628322220332
- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 2.856331749836001
- Minimum value for $(\alpha)_{3C}^{-1}$ is : 106.97881825962466
- Maximum value for $(\alpha)_{3C}^{-1}$ is : 114.95783759043304