SO11HosotaniDummyCase Failed-Global-Constr

February 12, 2020

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

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

$k(\mathrm{GeV})$:

- The average value for $k(\mathrm{GeV})$ is : 128860.13578913895

- Standard deviation for $k(\mathrm{GeV})$ is : 62627.43653276483

- Minimum value for $k(\mathrm{GeV})$ is : 23684.801448552284

- Maximum value for $k(\mathrm{GeV})$ is : 568436.9874120001

z_L :

- The average value for z_L is : 35.64398353452242

- Standard deviation for z_L is : 3.4611712725505837

- 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 : 0.27008100193585954

- Standard deviation for c_0 is : 0.16798143116442213

- 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 : 0.13159445124548727

- Standard deviation for c_1 is : 0.10668681937736384

- 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 : -0.7188293055362515

- Standard deviation for c_2 is : 0.18820195925026947

- 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 : 0.5657991760509632

- Standard deviation for c_0' is : 0.19831363245088507

- 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 : 14.479954305439783

- Standard deviation for μ_1 is : 4.129599880119857

- 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 : 0.29371407391485044

- Standard deviation for μ_{11} is : 0.22921755168759816

- 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 : 0.35051725305405623

- Standard deviation for μ_{11}' is : 0.28737247897468843

- 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 : 1.600336291939635
- Standard deviation for $\tilde{\mu}_2$ is : 1.0381237690855571
- 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** :

$m_H(\text{GeV})$:

- The average value for $m_H(\text{GeV})$ is : 160.82194335022572
- Standard deviation for $m_H(\text{GeV})$ is : 216.30610748522133
- Minimum value for $m_H(\text{GeV})$ is : 6.035070957702646
- Maximum value for $m_H(\text{GeV})$ is : 3569.183086071825

$m_{\psi_D}(\text{GeV})$:

- The average value for $m_{\psi_D}(\text{GeV})$ is : 2790.6132254060467
- Standard deviation for $m_{\psi_D}(\text{GeV})$ is : 1321.9968380393786
- Minimum value for $m_{\psi_D}(\text{GeV})$ is : 539.2456808043827
- Maximum value for $m_{\psi_D}(\text{GeV})$ is : 30817.778632083326

$m_\tau(\text{GeV})$:

- The average value for $m_\tau(\text{GeV})$ is : 14.981132512273032
- Standard deviation for $m_\tau(\text{GeV})$ is : 172.40606478208676
- Minimum value for $m_\tau(\text{GeV})$ is : 2.7271938653701917e-07
- Maximum value for $m_\tau(\text{GeV})$ is : 5353.710492830509

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

- The average value for $m_\tau^{(1)}(\text{GeV})$ is : 1239.3195799451235
- Standard deviation for $m_\tau^{(1)}(\text{GeV})$ is : 1711.8940577859205
- Minimum value for $m_\tau^{(1)}(\text{GeV})$ is : 0.39981220509084303
- Maximum value for $m_\tau^{(1)}(\text{GeV})$ is : 26727.41983603022

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 7.586811408060578

- Standard deviation for $m_\nu(eV)$ is : 222.91610387151354

- Minimum value for $m_\nu(eV)$ is : 4.2801281026368174e-17

- Maximum value for $m_\nu(eV)$ is : 20070.359124082406

$m_b(\text{GeV})$:

- The average value for $m_b(\text{GeV})$ is : 22.488043431315354

- Standard deviation for $m_b(\text{GeV})$ is : 304.1026486041843

- Minimum value for $m_b(\text{GeV})$ is : 2.799992332437624e-07

- Maximum value for $m_b(\text{GeV})$ is : 8986.845743286196

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

- The average value for $m_b^{(1)}(\text{GeV})$ is : 3960.830199126924

- Standard deviation for $m_b^{(1)}(\text{GeV})$ is : 2124.297820850276

- Minimum value for $m_b^{(1)}(\text{GeV})$ is : 79.42419523485768

- Maximum value for $m_b^{(1)}(\text{GeV})$ is : 19681.236900376316

$m_t(\text{GeV})$:

- The average value for $m_t(\text{GeV})$ is : 254.87455313273955

- Standard deviation for $m_t(\text{GeV})$ is : 893.2374627921027

- Minimum value for $m_t(\text{GeV})$ is : 8.883477218365486e-06

- Maximum value for $m_t(\text{GeV})$ is : 27948.000246701922

$\langle\theta_H\rangle(\text{rad})$:

- The average value for $\langle\theta_H\rangle(\text{rad})$ is : 0.18668909394686475

- Standard deviation for $\langle\theta_H\rangle(\text{rad})$ is : 0.39123421971840666

- Minimum value for $\langle\theta_H\rangle(\text{rad})$ is : 5.5389874692659366e-09

- Maximum value for $\langle\theta_H\rangle(\text{rad})$ is : 3.141592653524363

$m_Z(\text{GeV})$:

- The average value for $m_Z(\text{GeV})$ is : 109.05438930641026

- Standard deviation for $m_Z(\text{GeV})$ is : 315.9799638762224

- Minimum value for $m_Z(\text{GeV})$ is : 1.2121014312745615e-07

- Maximum value for $m_Z(\text{GeV})$ is : 29797.464985761995

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

- The average value for $m_{W^\pm}(\text{GeV})$ is : 95.62024176393331

- Standard deviation for $m_{W^\pm}(\text{GeV})$ is : 277.055153218187

- Minimum value for $m_{W^\pm}(\text{GeV})$ is : 1.0627855755098015e-07

- Maximum value for $m_{W^\pm}(\text{GeV})$ is : 26126.787046465266

$m_{Z'}(\text{GeV})$:

- The average value for $m_{Z'}(\text{GeV})$ is : 13407.553276133642

- Standard deviation for $m_{Z'}(\text{GeV})$ is : 6526.743074777152

- Minimum value for $m_{Z'}(\text{GeV})$ is : 2406.1721144785306

- Maximum value for $m_{Z'}(\text{GeV})$ 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 : 0.8653775759927009

- Standard deviation for y_t is : 0.450235801070716

- 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 : 32.43880219995017

- Standard deviation for τ_H is : 39.56995695998936

- 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 : 830.5934096645315

- Standard deviation for $\sigma(hh)(fb)$ is : 20471.389438012153

- 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 : 8.278625264938228

- Standard deviation for Δ_{HH} is : 229.63030293306423

- 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_G^2 :

- The average value for χ_G^2 is : 122925343.55314432

- Standard deviation for χ_G^2 is : 1880122053.4827085

- Minimum value for χ_G^2 is : 18.644696044894935

- Maximum value for χ_G^2 is : 90824743137.21648

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

- The average value for $\Lambda_{\text{Max}}(\text{GeV})$ is : 2789890.24038208

- Standard deviation for $\Lambda_{\text{Max}}(\text{GeV})$ is : 1442825.6442069372

- Minimum value for $\Lambda_{\text{Max}}(\text{GeV})$ is : 293165.53916079487

- Maximum value for $\Lambda_{\text{Max}}(\text{GeV})$ is : 13085275.593233941

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

- The average value for $\sin^2\theta_W(\Lambda_{\text{Max}})$ is : 0.21744402284893824

- Standard deviation for $\sin^2\theta_W(\Lambda_{\text{Max}})$ is : 0.01372826094715697

- Minimum value for $\sin^2\theta_W(\Lambda_{\text{Max}})$ is : 0.05894206939487062

- Maximum value for $\sin^2\theta_W(\Lambda_{\text{Max}})$ is : 0.2645621273607718

$\sin^2\theta_W(M_{\text{KK}_5})$:

- The average value for $\sin^2\theta_W(M_{\text{KK}_5})$ is : 0.18801012695897226

- Standard deviation for $\sin^2\theta_W(M_{\text{KK}_5})$ is : 0.014697211012305448

- Minimum value for $\sin^2\theta_W(M_{\text{KK}_5})$ is : 0.026186115222089613

- Maximum value for $\sin^2 \theta_W(M_{\mathrm{KK}_5})$ is : 0.23843504721977146

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

- The average value for $(\alpha)_{1Y}^{-1}$ is : 61.38517995764549

- Standard deviation for $(\alpha)_{1Y}^{-1}$ is : 1.134639412617423

- Minimum value for $(\alpha)_{1Y}^{-1}$ is : 56.97905896655781

- Maximum value for $(\alpha)_{1Y}^{-1}$ is : 70.53586350378542

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

- The average value for $(\alpha)_{2L}^{-1}$ is : 23.67675339380618

- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 1.818157436143466

- Minimum value for $(\alpha)_{2L}^{-1}$ is : 3.1598326312384732

- Maximum value for $(\alpha)_{2L}^{-1}$ is : 29.716678481187063

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

- The average value for $(\alpha)_{3C}^{-1}$ is : 13.626163867662282

- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 1.2352695664326487

- Minimum value for $(\alpha)_{3C}^{-1}$ is : 11.675452097054693

- Maximum value for $(\alpha)_{3C}^{-1}$ is : 33.26337093079051

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

- The average value for $(\alpha)_{4C}^{-1}$ is : 21.132731448882872

- Standard deviation for $(\alpha)_{4C}^{-1}$ is : 1.1827840767697597

- Minimum value for $(\alpha)_{4C}^{-1}$ is : 18.836287913272937

- Maximum value for $(\alpha)_{4C}^{-1}$ is : 39.116980351673284

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

- The average value for $(\alpha)_{2L}^{-1}$ is : 30.296948722462446

- Standard deviation for $(\alpha)_{2L}^{-1}$ is : 1.907850977689659

- Minimum value for $(\alpha)_{2L}^{-1}$ is : 7.602998179464359

- Maximum value for $(\alpha)_{2L}^{-1}$ is : 36.59991462078179

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

- The average value for $(\alpha)_{3C}^{-1}$ is : 95.05905904394166

- Standard deviation for $(\alpha)_{3C}^{-1}$ is : 1.8842497558054585

- Minimum value for $(\alpha)_{3C}^{-1}$ is : 86.80485514598269

- Maximum value for $(\alpha)_{3C}^{-1}$ is : 102.34012159301507