

SO11HosotaniDummyCase Failed-Global-Constr

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

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

$k(\text{GeV})$:

- The average value for $k(\text{GeV})$ is : 128860.13578913895
- Standard deviation for $k(\text{GeV})$ is : 62627.43653276483
- Minimum value for $k(\text{GeV})$ is : 23684.801448552284
- Maximum value for $k(\text{GeV})$ 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 : -0.7188293055362514
- 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 : 1.0381237690855574
- 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 : 160.8219433502257
- 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 : 1239.3195799451232
- Standard deviation for $m_\tau^{(1)}(\text{GeV})$ is : 1711.8940577859203
- Minimum value for $m_\tau^{(1)}(\text{GeV})$ is : 0.39981220509084303
- Maximum value for $m_\tau^{(1)}(\text{GeV})$ is : 26727.41983603022

$m_\nu(\text{eV})$:

- The average value for $m_\nu(\text{eV})$ is : 7.58681140806058

- 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 : 0.18668909394686473
- 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 : 0.45023580107071604
- Minimum value for y_t is : -0.9913292142098233
- Maximum value for y_t is : 0.9913292142098233

$\tau_H :$

- 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 : 8.278625264938224
- 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 : 2940007.18552871
- Standard deviation for $\Lambda_{\text{Max}}(\text{GeV})$ is : 1515167.5290898518
- Minimum value for $\Lambda_{\text{Max}}(\text{GeV})$ is : 495770.9778196074
- Maximum value for $\Lambda_{\text{Max}}(\text{GeV})$ is : 13706417.659293504

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

- The average value for $\sin^2 \theta_W(\Lambda_{\text{Max}})$ is : 0.27447518545501765
- Standard deviation for $\sin^2 \theta_W(\Lambda_{\text{Max}})$ is : 0.014742055567462848
- Minimum value for $\sin^2 \theta_W(\Lambda_{\text{Max}})$ is : 0.2628584520009164
- Maximum value for $\sin^2 \theta_W(\Lambda_{\text{Max}})$ is : 0.5311469626042294

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

- The average value for $\sin^2 \theta_W(M_{\text{KK}_5})$ is : 0.25491508810679253
- Standard deviation for $\sin^2 \theta_W(M_{\text{KK}_5})$ is : 0.012641387549688743
- Minimum value for $\sin^2 \theta_W(M_{\text{KK}_5})$ is : 0.2446776156214027

- Maximum value for $\sin^2 \theta_W(M_{KK_5})$ is : 0.472032331810844
- $(\alpha)_{1Y}^{-1}$:
- The average value for $(\alpha)_{1Y}^{-1}$ is : 54.69665817850492
 - Standard deviation for $(\alpha)_{1Y}^{-1}$ is : 1.5252446342939585
 - Minimum value for $(\alpha)_{1Y}^{-1}$ is : 30.39722297166889
 - Maximum value for $(\alpha)_{1Y}^{-1}$ is : 56.63796000521585
- $(\alpha)_{2L}^{-1}$:
- The average value for $(\alpha)_{2L}^{-1}$ is : 31.144191244653857
 - Standard deviation for $(\alpha)_{2L}^{-1}$ is : 0.8922653312939219
 - Minimum value for $(\alpha)_{2L}^{-1}$ is : 30.14145138443932
 - Maximum value for $(\alpha)_{2L}^{-1}$ is : 45.32701285621434
- $(\alpha)_{3C}^{-1}$:
- The average value for $(\alpha)_{3C}^{-1}$ is : 13.514196371026673
 - Standard deviation for $(\alpha)_{3C}^{-1}$ is : 0.5920325108016766
 - Minimum value for $(\alpha)_{3C}^{-1}$ is : 11.530980494678973
 - Maximum value for $(\alpha)_{3C}^{-1}$ is : 15.356915161238378
- $(\alpha)_{4C}^{-1}$:
- The average value for $(\alpha)_{4C}^{-1}$ is : 5.593857115735542
 - Standard deviation for $(\alpha)_{4C}^{-1}$ is : 0.3420675512570714
 - Minimum value for $(\alpha)_{4C}^{-1}$ is : 3.84579962656032
 - Maximum value for $(\alpha)_{4C}^{-1}$ is : 6.79213347223117
- $(\alpha)_{2L}^{-1}$:
- The average value for $(\alpha)_{2L}^{-1}$ is : 30.24393352287314
 - Standard deviation for $(\alpha)_{2L}^{-1}$ is : 0.8705509565834245
 - Minimum value for $(\alpha)_{2L}^{-1}$ is : 29.14269994725436
 - Maximum value for $(\alpha)_{2L}^{-1}$ is : 44.51043175520329
- $(\alpha)_{3C}^{-1}$:
- The average value for $(\alpha)_{3C}^{-1}$ is : 76.4317351035074
 - Standard deviation for $(\alpha)_{3C}^{-1}$ is : 2.7022273314553873
 - Minimum value for $(\alpha)_{3C}^{-1}$ is : 34.999521351509536
 - Maximum value for $(\alpha)_{3C}^{-1}$ is : 80.92185478084602