SO11HosotaniDummyCase Failed-Global-Constr

October 2, 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 : 126181.38812504376
- Standard deviation for $k(GeV)$ is : 64294.834857122856
- Minimum value for $k(GeV)$ is : 23002.74017850886
- Maximum value for $k(GeV)$ is : 568436.9874120001

z_L :

- The average value for z_L is : 35.664863814187164
- Standard deviation for z_L is : 3.3984151442167154
- 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 : 0.2976214531222635
- Standard deviation for c_0 is : 0.2137396481625352
- 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 : 0.13306615825426069
- Standard deviation for c_1 is : 0.10586947967394886

- 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 : -0.7166498796215187
- Standard deviation for c_2 is : 0.18914223208199474
- Minimum value for c_2 is : -1.2471465930399999
- Maximum value for c_2 is : -0.12421837759999999

c_0' :

- The average value for c_0' is : 0.5724126044308668
- Standard deviation for c_0' is : 0.20085846789591338
- 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 : 14.496710116640312
- Standard deviation for μ_1 is : 4.202549579024491
- 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 : 0.2830995702047379
- Standard deviation for μ_{11} is : 0.2300767496950934
- 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 : 0.34573602110645174
- Standard deviation for μ_{11}' is : 0.282880925640182
- 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 : 1.5751999971146735
- Standard deviation for $\tilde{\mu_2}$ is : 1.0322174675900526
- 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 : 182.83268073265737
- Standard deviation for $m_H(GeV)$ is : 291.2174381907152
- Minimum value for $m_H(GeV)$ is : 6.035070957702646
- Maximum value for $m_H(GeV)$ is : 4610.913997282132

$m_{\psi_D}(GeV)$:

- The average value for $m_{\psi_D}(GeV)$ is : 2924.39538034677
- Standard deviation for $m_{\psi_D}(GeV)$ is : 1873.4101785811774
- Minimum value for $m_{\psi_D}(GeV)$ is : 539.2456808043827
- Maximum value for $m_{\psi_D}(GeV)$ is : 32477.56040605542

$m_\tau(GeV)$:

- The average value for $m_\tau(GeV)$ is : 24.553541181614502
- Standard deviation for $m_\tau(GeV)$ is : 271.07689948328544
- Minimum value for $m_\tau(GeV)$ is : 6.016735820959428e-08
- Maximum value for $m_\tau(GeV)$ is : 7345.817334940683

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

- The average value for $m_\tau^{(1)}(GeV)$ is : 1294.4478016241355
- Standard deviation for $m_\tau^{(1)}(GeV)$ is : 1909.0531641148764
- 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 : 26.92638569192907

- Standard deviation for $m_\nu(eV)$ is : 493.21684918723105
- Minimum value for $m_\nu(eV)$ is : 4.2801281026368174e-17
- Maximum value for $m_\nu(eV)$ is : 23208.84250684303

$m_b(GeV)$:

- The average value for $m_b(GeV)$ is : 35.09594153445347
- Standard deviation for $m_b(GeV)$ is : 371.6094283386984
- Minimum value for $m_b(GeV)$ is : 2.799992332437624e-07
- Maximum value for $m_b(GeV)$ is : 8986.845743286196

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

- The average value for $m_b^{(1)}(GeV)$ is : 3849.6225591595953
- Standard deviation for $m_b^{(1)}(GeV)$ is : 2204.0566494410273
- Minimum value for $m_b^{(1)}(GeV)$ is : 79.42419523485768
- Maximum value for $m_b^{(1)}(GeV)$ is : 19681.236900376316

$m_t(GeV)$:

- The average value for $m_t(GeV)$ is : 351.2579794916406
- Standard deviation for $m_t(GeV)$ is : 1302.1124748513091
- Minimum value for $m_t(GeV)$ is : 8.883477218365486e-06
- Maximum value for $m_t(GeV)$ is : 27948.000246701922

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

- The average value for $\langle\theta_H\rangle(rads)$ is : 0.32378297364496766
- Standard deviation for $\langle\theta_H\rangle(rads)$ is : 0.7298559895573099
- Minimum value for $\langle\theta_H\rangle(rads)$ is : 7.849498828704782e-10
- Maximum value for $\langle\theta_H\rangle(rads)$ is : 3.141592653524363

$m_Z(GeV)$:

- The average value for $m_Z(GeV)$ is : 108.5836017763636
- Standard deviation for $m_Z(GeV)$ is : 434.948039355724
- Minimum value for $m_Z(GeV)$ is : 8.389991418610911e-08
- Maximum value for $m_Z(GeV)$ is : 33173.26121266854

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

- The average value for $m_{W^{\pm}}(GeV)$ is : 95.20744941574065
- Standard deviation for $m_{W^{\pm}}(GeV)$ is : 381.3678380343599
- Minimum value for $m_{W^{\pm}}(GeV)$ is : 7.356448584483929e-08
- Maximum value for $m_{W^{\pm}}(GeV)$ is : 29086.72706736274

$m_{Z'}(GeV)$:

- The average value for $m_{Z'}(GeV)$ is : 13126.611775908288
- Standard deviation for $m_{Z'}(GeV)$ is : 6709.118457139164
- 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

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

χ^2_G :

- The average value for χ^2_G is : 277126830.7418406
- Standard deviation for χ^2_G is : 4269317593.0618596
- Minimum value for χ^2_G is : 18.644696044894935
- Maximum value for χ^2_G is : 171018837861.34985