

# SO11HosotaniDummyCase Failed-Global-Constr

September 5, 2019

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

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

$k(GeV)$  :

- The average value for  $k(GeV)$  is : 116973.43785124212
- Standard deviation for  $k(GeV)$  is : 56922.336729566414
- 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 : 35.5093389715711
- Standard deviation for  $z_L$  is : 3.35852299496386
- Minimum value for  $z_L$  is : 20.069850350315654
- Maximum value for  $z_L$  is : 51.226730749863854

$c_0$  :

- The average value for  $c_0$  is : 0.31074034874491396
- Standard deviation for  $c_0$  is : 0.23602683821687098
- 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 : 0.1306929616853461
- Standard deviation for  $c_1$  is : 0.10616918393284121

- Minimum value for  $c_1$  is : 1.9287109375015765e-05
- Maximum value for  $c_1$  is : 0.6183685816320001

$c_2$  :

- The average value for  $c_2$  is : -0.721305416068111
- Standard deviation for  $c_2$  is : 0.19583559969725958
- 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 : 0.5665856887159433
- Standard deviation for  $c'_0$  is : 0.22548350108014337
- Minimum value for  $c'_0$  is : 0.062000923215999953
- Maximum value for  $c'_0$  is : 3.4910387209040272

$\mu_1$  :

- The average value for  $\mu_1$  is : 13.895040026862196
- Standard deviation for  $\mu_1$  is : 3.4995711947359895
- Minimum value for  $\mu_1$  is : 6.841778826343697
- Maximum value for  $\mu_1$  is : 45.608172958521905

$\mu_{11}$  :

- The average value for  $\mu_{11}$  is : 0.26511523604536374
- Standard deviation for  $\mu_{11}$  is : 0.22397508834891686
- Minimum value for  $\mu_{11}$  is : 0.0006094063999999913
- Maximum value for  $\mu_{11}$  is : 2.23977

$\mu'_{11}$  :

- The average value for  $\mu'_{11}$  is : 0.3139133777621961
- Standard deviation for  $\mu'_{11}$  is : 0.26970253084452206
- Minimum value for  $\mu'_{11}$  is : 0.0005893571040000156
- Maximum value for  $\mu'_{11}$  is : 1.8800560000000002

$\tilde{\mu}_2$  :

- The average value for  $\tilde{\mu}_2$  is : 1.4252536630063644
- Standard deviation for  $\tilde{\mu}_2$  is : 0.959144530496929
- Minimum value for  $\tilde{\mu}_2$  is : 0.0045119999999998495
- Maximum value for  $\tilde{\mu}_2$  is : 7.690852906865141

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

$m_H(GeV)$  :

- The average value for  $m_H(GeV)$  is : 197.73785950930596
- Standard deviation for  $m_H(GeV)$  is : 327.5214874805354
- Minimum value for  $m_H(GeV)$  is : 8.823135854901555
- Maximum value for  $m_H(GeV)$  is : 4610.913997282132

$m_{\psi_D}(GeV)$  :

- The average value for  $m_{\psi_D}(GeV)$  is : 2890.374742780064
- Standard deviation for  $m_{\psi_D}(GeV)$  is : 1972.8567784538045
- 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 : 31.55627640113695
- Standard deviation for  $m_\tau(GeV)$  is : 310.930371741869
- 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 : 1268.713096961185
- Standard deviation for  $m_\tau^{(1)}(GeV)$  is : 2142.419741813328
- 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 : 35.427213532574186

- Standard deviation for  $m_\nu(eV)$  is : 566.0742339752159
- 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 : 44.627171247067686
- Standard deviation for  $m_b(GeV)$  is : 426.2439229480027
- 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 : 3548.0522942827783
- Standard deviation for  $m_b^{(1)}(GeV)$  is : 1976.0826870320975
- 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 : 402.145881370638
- Standard deviation for  $m_t(GeV)$  is : 1487.6485405389958
- 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 : 0.3865399395945817
- Standard deviation for  $\langle\theta_H\rangle(rads)$  is : 0.823563792462186
- 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 : 112.7791199086357
- Standard deviation for  $m_Z(GeV)$  is : 496.94082765017595
- 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 : 98.88613177492236
- Standard deviation for  $m_{W^\pm}(GeV)$  is : 435.7238840590696
- 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 : 12219.054050176612
- Standard deviation for  $m_{Z'}(GeV)$  is : 5970.718747237467
- Minimum value for  $m_{Z'}(GeV)$  is : 2406.1721144785306
- Maximum value for  $m_{Z'}(GeV)$  is : 55776.075175680104

$T$  :

- 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

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

$\chi_G^2$  :

- The average value for  $\chi_G^2$  is : 365358070.19377565
- Standard deviation for  $\chi_G^2$  is : 4898983115.1491
- Minimum value for  $\chi_G^2$  is : 18.644696044894935
- Maximum value for  $\chi_G^2$  is : 171018837861.34985