SO11HosotaniDummyCase Failed-Global-Constr

November 8, 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 : 131578.42129991786
- Standard deviation for k(GeV) is : 63317.243920534405
- Minimum value for k(GeV) is : 29745.70897245925
- Maximum value for k(GeV) is : 523128.26238726394

z_L :

- The average value for z_L is : 35.70620006971989
- Standard deviation for z_L is : 3.768966744122469
- 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 : 0.2594396430297811
- Standard deviation for c_0 is : 0.11087437460619713
- Minimum value for c_0 is : 0.0038
- Maximum value for c_0 is : 0.6486000000000001

c_1 :

- The average value for c_1 is : 0.13092681240605342
- Standard deviation for c_1 is : 0.10968710143111245

- Minimum value for c_1 is : 0.00012500000000000705

- Maximum value for c_1 is : 0.6766512788619184

c_2 :

- The average value for c_2 is : -0.6818151985400223

- Standard deviation for c_2 is : 0.17010884471456683

- Minimum value for c_2 is : -1.2083085984

- Maximum value for c_2 is : -0.2005626374973603

c_0' :

- The average value for c_0' is : 0.5541615722855617

- Standard deviation for c_0' is : 0.08811827633189583

- Minimum value for c_0' is : 0.12614662911599314

- Maximum value for c_0' is : 0.74672244

μ_1 :

- The average value for μ_1 is : 15.450468379950179

- Standard deviation for μ_1 is : 4.30507131076582

- Minimum value for μ_1 is : 6.455597256463612

- Maximum value for μ_1 is : 48.493708002999824

μ_{11} :

- The average value for μ_{11} is : 0.2746335645617079

- Standard deviation for μ_{11} is : 0.1488603917982374

- Minimum value for μ_{11} is : 0.058031393209039286

- Maximum value for μ_{11} is : 1.975788793927787

μ_{11}' :

- The average value for μ_{11}' is : 0.3309685941848252

- Standard deviation for μ_{11}' is : 0.22155702677758765

- Minimum value for μ_{11}' is : 0.0724

- Maximum value for μ_{11}' is : 2.2649599043224953

$\tilde{\mu}_2$:

- The average value for $\tilde{\mu}_2$ is : 2.1614126132695595

- Standard deviation for $\tilde{\mu}_2$ is : 1.2224508711118018

- Minimum value for $\tilde{\mu}_2$ is : 0.28205967380986124

- 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 : 122.84305475244341

- Standard deviation for $m_H(\text{GeV})$ is : 13.908945779152598

- Minimum value for $m_H(\text{GeV})$ is : 86.79643281789266

- Maximum value for $m_H(\text{GeV})$ is : 161.3841028130086

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

- The average value for $m_{\psi_D}(\text{GeV})$ is : 2734.574941233768

- Standard deviation for $m_{\psi_D}(\text{GeV})$ is : 1152.5425238706273

- Minimum value for $m_{\psi_D}(\text{GeV})$ is : 694.1733143694274

- Maximum value for $m_{\psi_D}(\text{GeV})$ is : 8729.66552372864

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

- The average value for $m_\tau(\text{GeV})$ is : 1.7769140679072317

- Standard deviation for $m_\tau(\text{GeV})$ is : 0.18247444573836716

- Minimum value for $m_\tau(\text{GeV})$ is : 1.2626331172704428

- Maximum value for $m_\tau(\text{GeV})$ is : 2.3080171899966304

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

- The average value for $m_\tau^{(1)}(\text{GeV})$ is : 1314.4519057039674

- Standard deviation for $m_\tau^{(1)}(\text{GeV})$ is : 769.7172127942016

- Minimum value for $m_\tau^{(1)}(\text{GeV})$ is : 561.3914538370027

- Maximum value for $m_\tau^{(1)}(\text{GeV})$ is : 7999.4966096127

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 0.08466320694690922

- Standard deviation for $m_\nu(eV)$ is : 0.05824352936517575

- Minimum value for $m_\nu(eV)$ is : 0.010304181831299724

- Maximum value for $m_\nu(eV)$ is : 0.5395087140150365

$m_b(\text{GeV})$:

- The average value for $m_b(\text{GeV})$ is : 4.154620086446668

- Standard deviation for $m_b(\text{GeV})$ is : 0.3284129932126657

- Minimum value for $m_b(\text{GeV})$ is : 2.546837301042742

- Maximum value for $m_b(\text{GeV})$ is : 5.766921175956056

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

- The average value for $m_b^{(1)}(\text{GeV})$ is : 4064.5677770533375

- Standard deviation for $m_b^{(1)}(\text{GeV})$ is : 2013.1124820856567

- Minimum value for $m_b^{(1)}(\text{GeV})$ is : 713.1222160799807

- Maximum value for $m_b^{(1)}(\text{GeV})$ is : 15695.89257173306

$m_t(\text{GeV})$:

- The average value for $m_t(\text{GeV})$ is : 175.51617266257458

- Standard deviation for $m_t(\text{GeV})$ is : 15.376791636387408

- Minimum value for $m_t(\text{GeV})$ is : 116.2851872676181

- Maximum value for $m_t(\text{GeV})$ is : 221.34674119746327

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

- The average value for $\langle\theta_H\rangle(\text{rad})$ is : 0.12697540754755748

- Standard deviation for $\langle\theta_H\rangle(\text{rad})$ is : 0.06867992436284016

- Minimum value for $\langle\theta_H\rangle(\text{rad})$ is : 0.026101363074784726

- Maximum value for $\langle\theta_H\rangle(\text{rad})$ is : 0.43033189033086183

$m_Z(\text{GeV})$:

- The average value for $m_Z(\text{GeV})$ is : 89.27350639451191

- Standard deviation for $m_Z(\text{GeV})$ is : 6.874347593975904

- Minimum value for $m_Z(\text{GeV})$ is : 66.47008184588033

- Maximum value for $m_Z(\text{GeV})$ is : 111.28154325481512

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

- The average value for $m_{W^\pm}(\text{GeV})$ is : 78.27611817230638

- Standard deviation for $m_{W^\pm}(\text{GeV})$ is : 6.027513271917899

- Minimum value for $m_{W^\pm}(\text{GeV})$ is : 58.28179256786604

- Maximum value for $m_{W^\pm}(\text{GeV})$ is : 97.57303798191603

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

- The average value for $m_{Z'}(\text{GeV})$ is : 13664.293600690913

- Standard deviation for $m_{Z'}(\text{GeV})$ is : 6532.468539299777

- Minimum value for $m_{Z'}(\text{GeV})$ is : 3140.2627514624337

- Maximum value for $m_{Z'}(\text{GeV})$ is : 52363.544933920304

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 : 0.981048211236296

- Standard deviation for y_t is : 0.013373492752483427

- Minimum value for y_t is : 0.9009470970050025

- Maximum value for y_t is : 0.9909915464253298

τ_H :

- The average value for τ_H is : 28.570658174713376

- Standard deviation for τ_H is : 8.262779198087452

- Minimum value for τ_H is : 11.672665243464348

- Maximum value for τ_H is : 55.155977856324014

$\sigma(hh)(fb)$:

- The average value for $\sigma(hh)(fb)$ is : 17.914329147320533

- Standard deviation for $\sigma(hh)(fb)$ is : 6.348018422792773

- Minimum value for $\sigma(hh)(fb)$ is : 4.647728334312532

- Maximum value for $\sigma(hh)(fb)$ is : 55.652538431163144

Δ_{HH} :

- The average value for Δ_{HH} is : 0.12242119934844437

- Standard deviation for Δ_{HH} is : 0.040461698414371104

- Minimum value for Δ_{HH} is : 0.033834985074388126

- Maximum value for Δ_{HH} is : 0.37471161486103505

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

χ^2_G :

- The average value for χ^2_G is : 391.3325572836604

- Standard deviation for χ^2_G is : 258.853816629113

- Minimum value for χ^2_G is : 20.758817868524343

- Maximum value for χ^2_G is : 999.9465022756867