SO11HosotaniDummyCase Passed-Global-Constr

February 12, 2020

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

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

$k(\text{GeV})$:

- The average value for $k(\text{GeV})$ is : 108545.54913646115
- Standard deviation for $k(\text{GeV})$ is : 33810.07560221113
- Minimum value for $k(\text{GeV})$ is : 55445.246882626576
- Maximum value for $k(\text{GeV})$ is : 257388.06076967347

z_L :

- The average value for z_L is : 33.68042190888927
- Standard deviation for z_L is : 2.961857696960879
- Minimum value for z_L is : 27.190748623708306
- Maximum value for z_L is : 37.91522304445407

c_0 :

- The average value for c_0 is : 0.29163779823022556
- Standard deviation for c_0 is : 0.07715815789209249
- Minimum value for c_0 is : 0.10509088
- Maximum value for c_0 is : 0.361

c_1 :

- The average value for c_1 is : 0.07537444045054156
- Standard deviation for c_1 is : 0.07772814007771128

- Minimum value for c_1 is : 0.013383665466308509

- Maximum value for c_1 is : 0.33233057182169856

c_2 :

- The average value for c_2 is : -0.588156068564607

- Standard deviation for c_2 is : 0.08607103037166765

- Minimum value for c_2 is : -0.845352

- Maximum value for c_2 is : -0.385170518272

c_0' :

- The average value for c_0' is : 0.5260336115468169

- Standard deviation for c_0' is : 0.04157957681038601

- Minimum value for c_0' is : 0.40862289943999996

- Maximum value for c_0' is : 0.5897

μ_1 :

- The average value for μ_1 is : 15.161263629941825

- Standard deviation for μ_1 is : 2.8342968732289004

- Minimum value for μ_1 is : 10.286653277462635

- Maximum value for μ_1 is : 24.34001746864883

μ_{11} :

- The average value for μ_{11} is : 0.2114061656215757

- Standard deviation for μ_{11} is : 0.08848749947383941

- Minimum value for μ_{11} is : 0.1162980146214366

- Maximum value for μ_{11} is : 0.3896164149785195

μ_{11}' :

- The average value for μ_{11}' is : 0.18826679704753163

- Standard deviation for μ_{11}' is : 0.058364737718231315

- Minimum value for μ_{11}' is : 0.11117737733801236

- Maximum value for μ_{11}' is : 0.37802739375647987

$\tilde{\mu}_2$:

- The average value for $\tilde{\mu}_2$ is : 1.8657068661438574
- Standard deviation for $\tilde{\mu}_2$ is : 1.2557016218382653
- Minimum value for $\tilde{\mu}_2$ is : 0.8471479999999998
- Maximum value for $\tilde{\mu}_2$ is : 6.416193034836342

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

$m_H(\text{GeV})$:

- The average value for $m_H(\text{GeV})$ is : 127.23467500553723
- Standard deviation for $m_H(\text{GeV})$ is : 2.0227347355446725
- Minimum value for $m_H(\text{GeV})$ is : 122.3673385421512
- Maximum value for $m_H(\text{GeV})$ is : 129.80513509684775

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

- The average value for $m_{\psi_D}(\text{GeV})$ is : 2596.6152447725212
- Standard deviation for $m_{\psi_D}(\text{GeV})$ is : 786.8524258940381
- Minimum value for $m_{\psi_D}(\text{GeV})$ is : 1371.6746227479453
- Maximum value for $m_{\psi_D}(\text{GeV})$ is : 5354.988490529566

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

- The average value for $m_\tau(\text{GeV})$ is : 1.75900319541381
- Standard deviation for $m_\tau(\text{GeV})$ is : 0.02612048926116398
- Minimum value for $m_\tau(\text{GeV})$ is : 1.7167560943085807
- Maximum value for $m_\tau(\text{GeV})$ is : 1.8302559924229869

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

- The average value for $m_\tau^{(1)}(\text{GeV})$ is : 1407.3810881707311
- Standard deviation for $m_\tau^{(1)}(\text{GeV})$ is : 426.39846229929907
- Minimum value for $m_\tau^{(1)}(\text{GeV})$ is : 727.3069068822812
- Maximum value for $m_\tau^{(1)}(\text{GeV})$ is : 2551.0692462747534

$m_\nu(eV)$:

- The average value for $m_\nu(eV)$ is : 0.08628744049129751

- Standard deviation for $m_\nu(eV)$ is : 0.035877619826273084

- Minimum value for $m_\nu(eV)$ is : 0.020601423117924678

- Maximum value for $m_\nu(eV)$ is : 0.1330574871341866

$m_b(\text{GeV})$:

- The average value for $m_b(\text{GeV})$ is : 4.159058019275145

- Standard deviation for $m_b(\text{GeV})$ is : 0.07308771322187127

- Minimum value for $m_b(\text{GeV})$ is : 3.9917906958817246

- Maximum value for $m_b(\text{GeV})$ is : 4.384711470085788

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

- The average value for $m_b^{(1)}(\text{GeV})$ is : 3574.9531654274992

- Standard deviation for $m_b^{(1)}(\text{GeV})$ is : 1283.2272545550404

- Minimum value for $m_b^{(1)}(\text{GeV})$ is : 1495.2767699310994

- Maximum value for $m_b^{(1)}(\text{GeV})$ is : 8613.456653862164

$m_t(\text{GeV})$:

- The average value for $m_t(\text{GeV})$ is : 172.79878565924486

- Standard deviation for $m_t(\text{GeV})$ is : 3.043403644653775

- Minimum value for $m_t(\text{GeV})$ is : 167.15526346429266

- Maximum value for $m_t(\text{GeV})$ is : 178.92299178539824

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

- The average value for $\langle\theta_H\rangle(\text{rad})$ is : 0.12610642317016404

- Standard deviation for $\langle\theta_H\rangle(\text{rad})$ is : 0.0366503776497081

- Minimum value for $\langle\theta_H\rangle(\text{rad})$ is : 0.050170164720943586

- Maximum value for $\langle\theta_H\rangle(\text{rad})$ is : 0.2222597944309811

$m_Z(\text{GeV})$:

- The average value for $m_Z(\text{GeV})$ is : 91.72318037459326

- Standard deviation for $m_Z(\text{GeV})$ is : 1.3123667804972343

- Minimum value for $m_Z(\text{GeV})$ is : 88.8937820474113

- Maximum value for $m_Z(\text{GeV})$ is : 94.65471272418216

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

- The average value for $m_{W^\pm}(\mathrm{GeV})$ is : 80.42402271524095

- Standard deviation for $m_{W^\pm}(\mathrm{GeV})$ is : 1.1506994778680044

- Minimum value for $m_{W^\pm}(\mathrm{GeV})$ is : 77.94317115289397

- Maximum value for $m_{W^\pm}(\mathrm{GeV})$ is : 82.9944266557819

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

- The average value for $m_{Z'}(\mathrm{GeV})$ is : 11938.646555640811

- Standard deviation for $m_{Z'}(\mathrm{GeV})$ is : 3689.9859766090867

- Minimum value for $m_{Z'}(\mathrm{GeV})$ is : 6262.967650411356

- Maximum value for $m_{Z'}(\mathrm{GeV})$ is : 27541.267472358228

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 : 0.9827979213782879

- Standard deviation for y_t is : 0.005270102671480639

- Minimum value for y_t is : 0.9669443037702264

- Maximum value for y_t is : 0.9900818655456609

τ_H :

- The average value for τ_H is : 29.842453204286198

- Standard deviation for τ_H is : 1.265210356414497

- Minimum value for τ_H is : 27.20407111212093

- Maximum value for τ_H is : 31.632099263565543

$\sigma(hh)(fb)$:

- The average value for $\sigma(hh)(fb)$ is : 17.5211100927511

- Standard deviation for $\sigma(hh)(fb)$ is : 0.8308867640492298

- Minimum value for $\sigma(hh)(fb)$ is : 16.124911402304566

- Maximum value for $\sigma(hh)(fb)$ is : 19.67112228470861

Δ_{HH} :

- The average value for Δ_{HH} is : 0.12144985645422236

- Standard deviation for Δ_{HH} is : 0.005161119851057237

- Minimum value for Δ_{HH} is : 0.11339357454058306

- Maximum value for Δ_{HH} is : 0.13496472214819547

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

χ_G^2 :

- The average value for χ_G^2 is : 14.577460916596703

- Standard deviation for χ_G^2 is : 3.6026771408002998

- Minimum value for χ_G^2 is : 3.776936935524515

- Maximum value for χ_G^2 is : 20.50197661986195

Λ_{Max} :

- The average value for Λ_{Max} is : 1180499.9021752172

- Standard deviation for Λ_{Max} is : 518337.3144158941

- Minimum value for Λ_{Max} is : 461965.7206136725

- Maximum value for Λ_{Max} is : 2865032.2708073105

$\sin^2\theta_W@\Lambda$:

- The average value for $\sin^2\theta_W@\Lambda$ is : 0.055985442853952204

- Standard deviation for $\sin^2\theta_W@\Lambda$ is : 0.027060637756256018

- Minimum value for $\sin^2\theta_W@\Lambda$ is : 0.027089873655094746

- Maximum value for $\sin^2\theta_W@\Lambda$ is : 0.16194998193348448

$\sin^2\theta_W@\text{KK}_5$:

- The average value for $\sin^2\theta_W@\text{KK}_5$ is : 0.04856265951608601

- Standard deviation for $\sin^2\theta_W@\text{KK}_5$ is : 0.028197402590787304

- Minimum value for $\sin^2\theta_W@\text{KK}_5$ is : 0.018676864338676234

- Maximum value for $\sin^2 \theta_W @ \mathrm{KK}_5$ is : 0.15556425923435244

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

- The average value for $(\alpha)^{-1}_{1Y}$ is : 72.88151527073131

- Standard deviation for $(\alpha)^{-1}_{1Y}$ is : 2.416720131719921

- Minimum value for $(\alpha)^{-1}_{1Y}$ is : 63.71649976528311

- Maximum value for $(\alpha)^{-1}_{1Y}$ is : 75.43390805027802

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

- The average value for $(\alpha)^{-1}_{2L}$ is : 6.183048183431908

- Standard deviation for $(\alpha)^{-1}_{2L}$ is : 3.5435232777370085

- Minimum value for $(\alpha)^{-1}_{2L}$ is : 2.391815603229294

- Maximum value for $(\alpha)^{-1}_{2L}$ is : 19.554218726400613

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

- The average value for $(\alpha)^{-1}_{3C}$ is : 12.856902037644943

- Standard deviation for $(\alpha)^{-1}_{3C}$ is : 0.3291869443288043

- Minimum value for $(\alpha)^{-1}_{3C}$ is : 12.16364895377236

- Maximum value for $(\alpha)^{-1}_{3C}$ is : 13.669178509158897

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

- The average value for $(\alpha)^{-1}_{4C}$ is : 9.695784510478546

- Standard deviation for $(\alpha)^{-1}_{4C}$ is : 1.5019484773225582

- Minimum value for $(\alpha)^{-1}_{4C}$ is : 5.215849376059399

- Maximum value for $(\alpha)^{-1}_{4C}$ is : 11.95673739318038

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

- The average value for $(\alpha)^{-1}_{2L}$ is : 6.773933573099051

- Standard deviation for $(\alpha)^{-1}_{2L}$ is : 2.992323114569953

- Minimum value for $(\alpha)^{-1}_{2L}$ is : 3.3932029283915583

- Maximum value for $(\alpha)^{-1}_{2L}$ is : 18.28417556170465

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

- The average value for $(\alpha)^{-1}_{3C}$ is : 109.2248920756786

- Standard deviation for $(\alpha)^{-1}_{3C}$ is : 4.815621100402178

- Minimum value for $(\alpha)^{-1}_{3C}$ is : 91.26249858719312

- Maximum value for $(\alpha)^{-1}_{3C}$ is : 114.61813612696693