# SO11HosotaniDummyCase Passed-Global-Constr

January 10, 2020

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

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

$k$(GeV) :

- The average value for $k$(GeV) is : 108545.54913646114
- Standard deviation for $k$(GeV) is : 33810.07560221113
- Minimum value for $k$(GeV) is : 55445.246882626576
- Maximum value for $k$(GeV) is : 257388.06076967347

$z_L$ :

- The average value for $z_L$ is : 33.680421908889265
- Standard deviation for $z_L$ is : 2.9618576969608785
- 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 : 0.2916377982302256
- 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 : 0.07537444045054158
- 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 : -0.5881560685646072
- 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 : 0.526033611546817
- Standard deviation for $c_0'$ is : 0.04157957681038601
- Minimum value for $c_0'$ is : 0.40862289943999996
- Maximum value for $c_0'$ is : 0.5897

$\mu_1$ :

- The average value for $\mu_1$ is : 15.161263629941828
- Standard deviation for $\mu_1$ is : 2.8342968732289004
- Minimum value for $\mu_1$ is : 10.286653277462635
- Maximum value for $\mu_1$ is : 24.34001746864883

$\mu_{11}$ :

- The average value for $\mu_{11}$ is : 0.21140616562157571
- Standard deviation for $\mu_{11}$ is : 0.08848749947383942
- Minimum value for $\mu_{11}$ is : 0.1162980146214366
- Maximum value for $\mu_{11}$ is : 0.3896164149785195

$\mu_{11}'$ :

- The average value for $\mu_{11}'$ is : 0.1882667970475316
- Standard deviation for $\mu_{11}'$ is : 0.05836473771823131
- Minimum value for $\mu_{11}'$ is : 0.11117737733801236
- Maximum value for $\mu_{11}'$ 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

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

$m_H$(GeV) :

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

$m_{\psi_D}$(GeV) :

- The average value for $m_{\psi_D}$(GeV) is : 2596.615244772521
- Standard deviation for $m_{\psi_D}$(GeV) is : 786.8524258940381
- Minimum value for $m_{\psi_D}$(GeV) is : 1371.6746227479453
- Maximum value for $m_{\psi_D}$(GeV) is : 5354.988490529566

$m_\tau$(GeV) :

- The average value for $m_\tau$(GeV) is : 1.7590031954138097
- Standard deviation for $m_\tau$(GeV) is : 0.026120489261163983
- Minimum value for $m_\tau$(GeV) is : 1.7167560943085807
- Maximum value for $m_\tau$(GeV) is : 1.8302559924229869

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

- The average value for $m_\tau^{(1)}$(GeV) is : 1407.381088170731
- Standard deviation for $m_\tau^{(1)}$(GeV) is : 426.39846229929907
- Minimum value for $m_\tau^{(1)}$(GeV) is : 727.3069068822812
- Maximum value for $m_\tau^{(1)}$(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

$m_b$(GeV) :

- The average value for $m_b$(GeV) is : 4.159058019275147
- Standard deviation for $m_b$(GeV) is : 0.07308771322187127
- Minimum value for $m_b$(GeV) is : 3.9917906958817246
- Maximum value for $m_b$(GeV) is : 4.384711470085788

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

- The average value for $m_b^{(1)}$(GeV) is : 3574.9531654274992
- Standard deviation for $m_b^{(1)}$(GeV) is : 1283.2272545550404
- Minimum value for $m_b^{(1)}$(GeV) is : 1495.2767699310994
- Maximum value for $m_b^{(1)}$(GeV) is : 8613.456653862164

$m_t$(GeV) :

- The average value for $m_t$(GeV) is : 172.79878565924486
- Standard deviation for $m_t$(GeV) is : 3.043403644653775
- Minimum value for $m_t$(GeV) is : 167.15526346429266
- Maximum value for $m_t$(GeV) is : 178.92299178539824

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

- The average value for $\langle\theta_H\rangle$(rad) is : 0.1261064231701641
- Standard deviation for $\langle\theta_H\rangle$(rad) is : 0.0366503776497081
- Minimum value for $\langle\theta_H\rangle$(rad) is : 0.050170164720943586
- Maximum value for $\langle\theta_H\rangle$(rad) is : 0.2222597944309811

$m_Z$(GeV) :

- The average value for $m_Z$(GeV) is : 91.72318037459326
- Standard deviation for $m_Z$(GeV) is : 1.3123667804972343
- Minimum value for $m_Z$(GeV) is : 88.8937820474113
- Maximum value for $m_Z$(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 : 1.1506994778680046
- 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 : 3689.985976609086
- 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 : 0.005270102671480638
- Minimum value for $y_t$ is : 0.9669443037702264
- Maximum value for $y_t$ is : 0.9900818655456609

$\tau_H$ :

- The average value for $\tau_H$ is : 29.842453204286205
- Standard deviation for $\tau_H$ is : 1.265210356414497
- Minimum value for $\tau_H$ is : 27.20407111212093
- Maximum value for $\tau_H$ is : 31.632099263565543

$\sigma(hh)(fb)$ :

- The average value for $\sigma(hh)(fb)$ is : 17.5211100927511
- Standard deviation for $\sigma(hh)(fb)$ is : 0.8308867640492297

- Minimum value for $\sigma(hh)(fb)$ is : 16.124911402304566
- Maximum value for $\sigma(hh)(fb)$ is : 19.67112228470861

$\Delta_{HH}$ :

- The average value for $\Delta_{HH}$ is : 0.12144985645422236
- Standard deviation for $\Delta_{HH}$ is : 0.005161119851057237
- Minimum value for $\Delta_{HH}$ is : 0.11339357454058306
- Maximum value for $\Delta_{HH}$ is : 0.13496472214819547

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

$\chi^2_G$ :

- The average value for $\chi^2_G$ is : 14.577460916596703
- Standard deviation for $\chi^2_G$ is : 3.602677140800299
- Minimum value for $\chi^2_G$ is : 3.776936935524515
- Maximum value for $\chi^2_G$ is : 20.50197661986195

$\sin^2\theta_W$ :

- The average value for $\sin^2\theta_W$ is : 0.055985442853952204
- Standard deviation for $\sin^2\theta_W$ is : 0.02706063775625601
- Minimum value for $\sin^2\theta_W$ is : 0.027089873655094746
- Maximum value for $\sin^2\theta_W$ is : 0.16194998193348448