TABLE I: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 = 2459.$ | |
| | $M_{16}$ =2525. | |
| | $M_{10}$ =2004. | |
| | $M_D = 597.$ | |
| | $M_{1/2} = 126.$ | |
| | $\tan\beta = 48.2$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1785.$ | |
| | $X_t = 632.$ | |
| | $X_b = 70931.$ | |
| | $M_g = 405.$ | |
| | $\mu = 1460.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 123.4$ | |
| | $M_H = 716.7$ | |
| | $M_A = 720.3$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 176.6 | -0.32 |
| $m_b$ [GeV] | 4.73 | 0.85 |
| $M_W$ [GeV] | 80.420 | 0.46 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0160 | -0.62 |
| $A_{FB}^{(0,b)}$ | 0.1021 | -1.64 |
| $A_{FB}^{(0,c)}$ | 0.0731 | -1.05 |
| $A_{FB}^{(0,s)}$ | 0.102 | -0.42 |
| $\bar{s}_l^2$ | 0.2317 | 0.45 |
| $A_l$ | 0.1460 | 2.34 |
| $A_b$ | 0.932 | -0.85 |
| $A_c$ | 0.667 | -1.44 |

TABLE II: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -3176. | |
| | $M_{16}$ =2780. | |
| | $M_{10}$ =2764. | |
| | $M_D = 709.$ | |
| | $M_{1/2} = 378.$ | |
| | $\tan\beta = 46.1$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1862.$ | |
| | $X_t$ = -1789. | |
| | $X_b = 47070.$ | |
| | $M_g = 984.$ | |
| | $\mu = 1056.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 122.1$ | |
| | $M_H = 633.7$ | |
| | $M_A = 633.8$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 172.7 | 0.46 |
| $m_b$ [GeV] | 5.10 | -1.00 |
| $M_W$ [GeV] | 80.785 | -5.44 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0198 | -2.23 |
| $A_{FB}^{(0,b)}$ | 0.1139 | -7.53 |
| $A_{FB}^{(0,c)}$ | 0.0823 | -3.54 |
| $A_{FB}^{(0,s)}$ | 0.114 | -1.47 |
| $\bar{s}_l^2$ | 0.2295 | 2.57 |
| $A_l$ | 0.1627 | -5.31 |
| $A_b$ | 0.933 | -0.89 |
| $A_c$ | 0.675 | -1.72 |

TABLE III: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = 100. | |
| | $M_{16}$ =2966. | |
| | $M_{10}$ =1281. | |
| | $M_D$ = 738. | |
| | $M_{1/2}$ = 284. | |
| | $\tan\beta$ = 46.5 | |
| | sign of $\mu$ = + | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 2459. | |
| | $X_t$ = -401. | |
| | $X_b$ = 100342. | |
| | $M_g$ = 789. | |
| | $\mu$ = 2168. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 119.9 | |
| | $M_H$ = 1045.8 | |
| | $M_A$ = 1048.2 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 171.9 | 0.62 |
| $m_b$ [GeV] | 4.73 | 0.85 |
| $M_W$ [GeV] | 80.375 | 1.17 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0155 | -0.41 |
| $A_{FB}^{(0,b)}$ | 0.1004 | -0.79 |
| $A_{FB}^{(0,c)}$ | 0.0718 | -0.71 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.28 |
| $\bar{s}_l^2$ | 0.2319 | 0.15 |
| $A_l$ | 0.1437 | 3.39 |
| $A_b$ | 0.931 | -0.82 |
| $A_c$ | 0.666 | -1.40 |

TABLE IV: This is a table of the Z-Observables in the SO(10)

$A_0$ = -2725.

$M_{16}$ =2730.

$M_{10}$ =1004.

$M_D$ = 798.

$M_{1/2}$ = 118.

$\tan\beta$ = 45.8

sign of $\mu$ = +

| | | |
|---|---|---|
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 2124. | |
| | $X_t$ = -1111. | |
| | $X_b$ = 109188. | |
| | $M_g$ = 354. | |
| | $\mu$ = 2410. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 121.5 | |
| | $M_H$ = 1381.8 | |
| | $M_A$ = 1383.5 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 178.0 | -0.60 |
| $m_b$ [GeV] | 5.12 | -1.10 |
| $M_W$ [GeV] | 80.616 | -2.71 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0180 | -1.46 |
| $A_{FB}^{(0,b)}$ | 0.1083 | -4.73 |
| $A_{FB}^{(0,c)}$ | 0.0780 | -2.38 |
| $A_{FB}^{(0,s)}$ | 0.109 | -0.98 |
| $\bar{s}_l^2$ | 0.2305 | 1.58 |
| $A_l$ | 0.1549 | -1.75 |
| $A_b$ | 0.932 | -0.83 |
| $A_c$ | 0.671 | -1.59 |

TABLE V: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 = 1211.$ | |
| | $M_{16}$ =2413. | |
| | $M_{10}$ =1168. | |
| | $M_D = 614.$ | |
| | $M_{1/2} = 145.$ | |
| | $\tan\beta = 45.1$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1923.$ | |
| | $X_t = 225.$ | |
| | $X_b = 80760.$ | |
| | $M_g = 447.$ | |
| | $\mu = 1788.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 120.7$ | |
| | $M_H = 840.9$ | |
| | $M_A = 845.2$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 174.0 | 0.20 |
| $m_b$ [GeV] | 5.03 | -0.65 |
| $M_W$ [GeV] | 80.376 | 1.16 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0156 | -0.44 |
| $A_{FB}^{(0,b)}$ | 0.1007 | -0.94 |
| $A_{FB}^{(0,c)}$ | 0.0720 | -0.76 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.31 |
| $\bar{s}_l^2$ | 0.2319 | 0.20 |
| $A_l$ | 0.1441 | 3.21 |
| $A_b$ | 0.932 | -0.83 |
| $A_c$ | 0.667 | -1.41 |

TABLE VI: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 = 1183.$ | |
| | $M_{16}$ =2603. | |
| | $M_{10}$ =2192. | |
| | $M_D = 589.$ | |
| | $M_{1/2} = 168.$ | |
| | $\tan\beta = 48.6$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1869.$ | |
| | $X_t = 124.$ | |
| | $X_b = 58937.$ | |
| | $M_g = 506.$ | |
| | $\mu = 1211.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 121.8$ | |
| | $M_H = 642.9$ | |
| | $M_A = 643.6$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 178.2 | -0.64 |
| $m_b$ [GeV] | 4.93 | -0.15 |
| $M_W$ [GeV] | 80.399 | 0.79 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0158 | -0.53 |
| $A_{FB}^{(0,b)}$ | 0.1014 | -1.29 |
| $A_{FB}^{(0,c)}$ | 0.0725 | -0.90 |
| $A_{FB}^{(0,s)}$ | 0.102 | -0.36 |
| $\bar{s}_l^2$ | 0.2318 | 0.32 |
| $A_l$ | 0.1450 | 2.78 |
| $A_b$ | 0.932 | -0.84 |
| $A_c$ | 0.667 | -1.42 |

TABLE VII: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -1543. | |
| | $M_{16}$ =2587. | |
| | $M_{10}$ =2000. | |
| | $M_D$ = 699. | |
| | $M_{1/2}$ = 266. | |
| | $\tan\beta = 46.8$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 1938. | |
| | $X_t$ = -932. | |
| | $X_b$ = 71899. | |
| | $M_g$ = 729. | |
| | $\mu$ = 1556. | |
| | Neutral Higgs Bosons | |
| | $M_h = 123.4$ | |
| | $M_H = 977.1$ | |
| | $M_A = 979.5$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 176.5 | -0.30 |
| $m_b$ [GeV] | 4.82 | 0.40 |
| $M_W$ [GeV] | 80.506 | -0.93 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0168 | -0.97 |
| $A_{FB}^{(0,b)}$ | 0.1047 | -2.97 |
| $A_{FB}^{(0,c)}$ | 0.0752 | -1.62 |
| $A_{FB}^{(0,s)}$ | 0.105 | -0.66 |
| $\bar{s}_l^2$ | 0.2312 | 0.94 |
| $A_l$ | 0.1498 | 0.57 |
| $A_b$ | 0.932 | -0.84 |
| $A_c$ | 0.669 | -1.50 |

TABLE VIII: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -23. | |
| | $M_{16}$ =2736. | |
| | $M_{10}$ = 122. | |
| | $M_D$ = 524. | |
| | $M_{1/2}$ = 104. | |
| | $\tan\beta = 47.1$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 2215. | |
| | $X_t$ = -141. | |
| | $X_b$ = 103792. | |
| | $M_g$ = 334. | |
| | $\mu$ = 2208. | |
| | Neutral Higgs Bosons | |
| | $M_h = 119.9$ | |
| | $M_H = 625.3$ | |
| | $M_A = 626.5$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 176.3 | -0.26 |
| $m_b$ [GeV] | 5.17 | -1.35 |
| $M_W$ [GeV] | 80.403 | 0.72 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0158 | -0.55 |
| $A_{FB}^{(0,b)}$ | 0.1015 | -1.34 |
| $A_{FB}^{(0,c)}$ | 0.0727 | -0.94 |
| $A_{FB}^{(0,s)}$ | 0.102 | -0.38 |
| $\bar{s}_l^2$ | 0.2317 | 0.35 |
| $A_l$ | 0.1453 | 2.67 |
| $A_b$ | 0.932 | -0.82 |
| $A_c$ | 0.667 | -1.43 |

TABLE IX: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 = 1420.$ | |
| | $M_{16}$ =2398. | |
| | $M_{10} = 733.$ | |
| | $M_D = 585.$ | |
| | $M_{1/2} = 192.$ | |
| | $\tan\beta = 46.5$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1932.$ | |
| | $X_t = 201.$ | |
| | $X_b = 91452.$ | |
| | $M_g = 566.$ | |
| | $\mu = 1965.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 129.8$ | |
| | $M_H = 743.2$ | |
| | $M_A = 756.5$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 176.0 | -0.20 |
| $m_b$ [GeV] | 4.72 | 0.90 |
| $M_W$ [GeV] | 80.379 | 1.11 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0155 | -0.44 |
| $A_{FB}^{(0,b)}$ | 0.1006 | -0.92 |
| $A_{FB}^{(0,c)}$ | 0.0720 | -0.75 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.30 |
| $\bar{s}_l^2$ | 0.2319 | 0.19 |
| $A_l$ | 0.1440 | 3.26 |
| $A_b$ | 0.932 | -0.84 |
| $A_c$ | 0.667 | -1.40 |

TABLE X: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 = 852.$ | |
| | $M_{16}$ =2009. | |
| | $M_{10}$ =1206. | |
| | $M_D = 485.$ | |
| | $M_{1/2} = 122.$ | |
| | $\tan\beta = 45.8$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1582.$ | |
| | $X_t = 129.$ | |
| | $X_b = 60049.$ | |
| | $M_g = 380.$ | |
| | $\mu = 1309.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 116.7$ | |
| | $M_H = 690.4$ | |
| | $M_A = 692.5$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 171.2 | 0.76 |
| $m_b$ [GeV] | 4.91 | -0.05 |
| $M_W$ [GeV] | 80.366 | 1.32 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0156 | -0.44 |
| $A_{FB}^{(0,b)}$ | 0.1007 | -0.97 |
| $A_{FB}^{(0,c)}$ | 0.0720 | -0.76 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.30 |
| $\bar{s}_l^2$ | 0.2319 | 0.20 |
| $A_l$ | 0.1441 | 3.22 |
| $A_b$ | 0.932 | -0.85 |
| $A_c$ | 0.667 | -1.41 |

TABLE XI: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -2547. | |
| | $M_{16}$ =2934. | |
| | $M_{10}$ =1424. | |
| | $M_D$ = 562. | |
| | $M_{1/2}$ = 217. | |
| | $\tan\beta = 45.9$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 2183. | |
| | $X_t$ = -1162. | |
| | $X_b$ = 102759. | |
| | $M_g$ = 610. | |
| | $\mu$ = 2263. | |
| | Neutral Higgs Bosons | |
| | $M_h = 124.9$ | |
| | $M_H = 476.1$ | |
| | $M_A = 481.2$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 178.3 | -0.66 |
| $m_b$ [GeV] | 5.13 | -1.15 |
| $M_W$ [GeV] | 80.598 | -2.42 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0178 | -1.37 |
| $A_{FB}^{(0,b)}$ | 0.1077 | -4.44 |
| $A_{FB}^{(0,c)}$ | 0.0775 | -2.23 |
| $A_{FB}^{(0,s)}$ | 0.108 | -0.92 |
| $\bar{s}_l^2$ | 0.2306 | 1.46 |
| $A_l$ | 0.1540 | -1.32 |
| $A_b$ | 0.932 | -0.86 |
| $A_c$ | 0.671 | -1.57 |

TABLE XII: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 =$ -1048. | |
| | $M_{16}$ =1507. | |
| | $M_{10}$ =1594. | |
| | $M_D =$ 423. | |
| | $M_{1/2} =$ 115. | |
| | $\tan\beta =$ 49.1 | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} =$ 967. | |
| | $X_t =$ -487. | |
| | $X_b =$ 18974. | |
| | $M_g =$ 342. | |
| | $\mu =$ 396. | |
| | Neutral Higgs Bosons | |
| | $M_h =$ 118.0 | |
| | $M_H =$ 608.2 | |
| | $M_A =$ 608.2 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 176.8 | -0.36 |
| $m_b$ [GeV] | 5.01 | -0.55 |
| $M_W$ [GeV] | 80.429 | 0.31 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0162 | -0.72 |
| $A_{FB}^{(0,b)}$ | 0.1030 | -2.09 |
| $A_{FB}^{(0,c)}$ | 0.0737 | -1.21 |
| $A_{FB}^{(0,s)}$ | 0.103 | -0.50 |
| $\bar{s}_l^2$ | 0.2315 | 0.59 |
| $A_l$ | 0.1471 | 1.82 |
| $A_b$ | 0.933 | -0.89 |
| $A_c$ | 0.668 | -1.46 |

TABLE XIII: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -2646. | |
| | $M_{16}$ =2962. | |
| | $M_{10}$ =1652. | |
| | $M_D$ = 921. | |
| | $M_{1/2}$ = 194. | |
| | $\tan\beta$ = 45.1 | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 2325. | |
| | $X_t$ = -1285. | |
| | $X_b$ = 104442. | |
| | $M_g$ = 554. | |
| | $\mu$ = 2345. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 121.9 | |
| | $M_H$ = 1578.4 | |
| | $M_A$ = 1580.8 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 174.9 | 0.02 |
| $m_b$ [GeV] | 4.92 | -0.10 |
| $M_W$ [GeV] | 80.643 | -3.15 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0182 | -1.56 |
| $A_{FB}^{(0,b)}$ | 0.1090 | -5.12 |
| $A_{FB}^{(0,c)}$ | 0.0786 | -2.54 |
| $A_{FB}^{(0,s)}$ | 0.110 | -1.05 |
| $\bar{s}_l^2$ | 0.2304 | 1.72 |
| $A_l$ | 0.1560 | -2.25 |
| $A_b$ | 0.932 | -0.85 |
| $A_c$ | 0.672 | -1.61 |

TABLE XIV: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0 = 3279.$ | |
| | $M_{16} = 2628.$ | |
| | $M_{10} = 2732.$ | |
| | $M_D = 779.$ | |
| | $M_{1/2} = 356.$ | |
| | $\tan\beta = 46.4$ | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY} = 1800.$ | |
| | $X_t = 500.$ | |
| | $X_b = 42162.$ | |
| | $M_g = 963.$ | |
| | $\mu = 901.$ | |
| | Neutral Higgs Bosons | |
| | $M_h = 123.0$ | |
| | $M_H = 1053.5$ | |
| | $M_A = 1054.4$ | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 175.9 | -0.18 |
| $m_b$ [GeV] | 4.72 | 0.90 |
| $M_W$ [GeV] | 80.390 | 0.94 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0156 | -0.48 |
| $A_{FB}^{(0,b)}$ | 0.1010 | -1.09 |
| $A_{FB}^{(0,c)}$ | 0.0722 | -0.82 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.33 |
| $\bar{s}_l^2$ | 0.2318 | 0.25 |
| $A_l$ | 0.1444 | 3.04 |
| $A_b$ | 0.932 | -0.84 |
| $A_c$ | 0.667 | -1.41 |

TABLE XV: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -218. | |
| | $M_{16}$ =2421. | |
| | $M_{10}$ = 642. | |
| | $M_D$ = 629. | |
| | $M_{1/2}$ = 152. | |
| | $\tan\beta$ = 48.1 | |
| | sign of $\mu$ = + | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 1959. | |
| | $X_t$ = -278. | |
| | $X_b$ = 97741. | |
| | $M_g$ = 456. | |
| | $\mu$ = 2039. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 127.0 | |
| | $M_H$ = 996.5 | |
| | $M_A$ = 1003.0 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 179.7 | -0.94 |
| $m_b$ [GeV] | 4.75 | 0.75 |
| $M_W$ [GeV] | 80.427 | 0.33 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0160 | -0.64 |
| $A_{FB}^{(0,b)}$ | 0.1022 | -1.68 |
| $A_{FB}^{(0,c)}$ | 0.0732 | -1.08 |
| $A_{FB}^{(0,s)}$ | 0.103 | -0.44 |
| $\bar{s}_l^2$ | 0.2316 | 0.48 |
| $A_l$ | 0.1462 | 2.23 |
| $A_b$ | 0.932 | -0.82 |
| $A_c$ | 0.668 | -1.44 |

TABLE XVI: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -446. | |
| | $M_{16}$ =2185. | |
| | $M_{10}$ = 332. | |
| | $M_D$ = 737. | |
| | $M_{1/2}$ = 106. | |
| | $\tan\beta$ = 46.3 | |
| | sign of $\mu$ = + | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 1848. | |
| | $X_t$ = -298. | |
| | $X_b$ = 90757. | |
| | $M_g$ = 332. | |
| | $\mu$ = 1967. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 123.7 | |
| | $M_H$ = 1292.0 | |
| | $M_A$ = 1299.5 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 176.3 | -0.26 |
| $m_b$ [GeV] | 4.87 | 0.15 |
| $M_W$ [GeV] | 80.434 | 0.23 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0162 | -0.69 |
| $A_{FB}^{(0,b)}$ | 0.1026 | -1.90 |
| $A_{FB}^{(0,c)}$ | 0.0735 | -1.17 |
| $A_{FB}^{(0,s)}$ | 0.103 | -0.48 |
| $\bar{s}_l^2$ | 0.2315 | 0.55 |
| $A_l$ | 0.1468 | 1.95 |
| $A_b$ | 0.932 | -0.83 |
| $A_c$ | 0.668 | -1.45 |

TABLE XVII: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = 2508. | |
| | $M_{16}$ =2947. | |
| | $M_{10}$ =2588. | |
| | $M_D$ = 795. | |
| | $M_{1/2}$ = 202. | |
| | $\tan\beta$ = 45.1 | |
| | sign of $\mu$ = + | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 2187. | |
| | $X_t$ = 657. | |
| | $X_b$ = 56913. | |
| | $M_g$ = 602. | |
| | $\mu$ = 1249. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 118.0 | |
| | $M_H$ = 1237.2 | |
| | $M_A$ = 1237.4 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 171.8 | 0.64 |
| $m_b$ [GeV] | 4.99 | -0.45 |
| $M_W$ [GeV] | 80.368 | 1.30 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0155 | -0.40 |
| $A_{FB}^{(0,b)}$ | 0.1003 | -0.74 |
| $A_{FB}^{(0,c)}$ | 0.0717 | -0.68 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.27 |
| $\bar{s}_l^2$ | 0.2320 | 0.14 |
| $A_l$ | 0.1435 | 3.46 |
| $A_b$ | 0.931 | -0.82 |
| $A_c$ | 0.666 | -1.40 |

TABLE XVIII: This is a table of the Z-Observables in the SO(10)

| | | |
|---|---|---|
| | $A_0$ = -631. | |
| | $M_{16}$ =1994. | |
| | $M_{10}$ =1526. | |
| | $M_D$ = 429. | |
| | $M_{1/2}$ = 134. | |
| | $\tan\beta$ = 45.6 | |
| | sign of $\mu = +$ | |
| | Spectrum relevant for the Higgs sector | |
| | $M_{SUSY}$ = 1502. | |
| | $X_t$ = -453. | |
| | $X_b$ = 44936. | |
| | $M_g$ = 403. | |
| | $\mu$ = 996. | |
| | Neutral Higgs Bosons | |
| | $M_h$ = 116.2 | |
| | $M_H$ = 672.4 | |
| | $M_A$ = 672.5 | |
| Quantity | Value | Pull |
| $m_t$ [GeV] | 172.1 | 0.58 |
| $m_b$ [GeV] | 5.10 | -1.00 |
| $M_W$ [GeV] | 80.377 | 1.15 |
| $M_Z$ [GeV] | 91.187 | 0.00 |
| $A_{FB}^{(0,l)}$ | 0.0157 | -0.49 |
| $A_{FB}^{(0,b)}$ | 0.1011 | -1.14 |
| $A_{FB}^{(0,c)}$ | 0.0723 | -0.83 |
| $A_{FB}^{(0,s)}$ | 0.101 | -0.33 |
| $\bar{s}_l^2$ | 0.2318 | 0.26 |
| $A_l$ | 0.1445 | 3.00 |
| $A_b$ | 0.932 | -0.85 |
| $A_c$ | 0.667 | -1.41 |