Erratum

A novel approach to confront electroweak data and theory

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1. Replace in the brackets of Eq. (3.9) m_b by $\hat{m}_b$.
2. Insert after the line following Eq.(3.24) : ... for $\alpha_s(m_Z)$ = 0.11, 0.12 and 0.13. All three quantities turn ...
3. The first term of the right-hand-side of Eq. (3.90a), $-(1-4\hat{s}^2)^2$, should be $-(1-4\hat{s}^2)$.
4. The first term of the right-hand-side of Eq. (3.90b), $-(1-4\hat{s}^2)^2$, should be 1.
5. The last term of the right-hand-side of Eq. (3.92b), 0.0023, should be 0.0029.
6. The last term of the right-hand-side of Eq. (3.96), 0.65, should be 0.74.
7. The last term of the right-hand-side of Eq. (3.100), $-0.136\delta_\alpha$, should be $+0.136\delta_\alpha$.
8. The last term of the right-hand-side of Eq. (3.101a), $+0.136\delta_\alpha$, should be $-0.136\delta_\alpha$.
9. In the caption of Fig.15, the reference number [27] should be [28].
10. After correcting Eq. (3.90), Eq. (4.23) becomes

$$\bar{s}^2(0) = 0.2202 - 0.6076 [\bar{g}_Z^2(0) - 0.5486] \pm 0.0082, (4.23)$$
 which shifts the 1- σ contour for the APV fit in Fig.16 very slightly to the left implying a tiny modification of the combined results (4.37) and (5.7). The corresponding Standard Model predictions for Q_W in Table 7 shifts upward by 0.1 resulting in a decrease of χ^2 by about 0.2.
11. The sign of the right-hand-side of Eq. (A.34a) should be minus: $1/4m_V^2$ should be $-1/4m_V^2$.
12. The sign of the right-hand-side of Eq. (A.34b) should be minus: $1/4(m_t^2 - m_W^2)$ should be $-1/4(m_t^2 - m_W^2)$.

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