ON THE ELECTROWEAK ONE-LOOP CORRECTIONS

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ERRATUM

For unknown circumstances, some of the equations of this paper were partly scratched from the file and were not correctly printed. Please, find hereafter the correct equations.

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$$\begin{aligned}
T^A(t) &= \frac{2}{3} - \frac{8}{9}s^2 + \frac{16}{27}s^4 - F'_t(t) + \left(\frac{32}{9}s^4 - \frac{8}{3}s^2 - \frac{1}{2}\right) \times \\
&\times \left(\frac{4}{3}tF_t(t) - \frac{2(1+2t)}{3}F'_t(t)\right)
\end{aligned} \tag{79}$$

$$\begin{aligned}
H_A(h) &= \frac{hc^2}{h-c^2} \ln\left(\frac{h}{c^2}\right) - \frac{8h}{9(h-1)} \ln(h) + \left(\frac{4}{3} - \frac{2}{3}h + \frac{2}{9}h^2\right)F_h(h) - \\
&- \left(\frac{4}{3} - \frac{4h}{9} + \frac{h^2}{9}\right)F'_h(h) - \frac{h}{18} + 0.68 \ ,
\end{aligned} \tag{E.13}$$

$$\begin{aligned}
H_R(h) &= - \frac{16\pi}{3\bar{\alpha}} c^2 s^2 \left[\frac{(c^2 - s^2)}{cs} \Pi_{Z_\gamma}(m_Z^2) + \Pi_\gamma(m_Z^2) - \Pi_Z(m_Z^2) + \right. \\
&+ \left. \Pi_W(0) + 2\frac{s}{c}\Pi_{\gamma Z}(0) \right] - \text{div} H_R(h) \ .
\end{aligned} \tag{E.17}$$

$$\begin{aligned}
*H_R(h) &= - \frac{h}{18} + \frac{c^2}{1-c^2/h} \ln + \frac{4}{9}h + \frac{1}{9}h^2 F_h(h) + \\
&+ \frac{h}{1-h} \ln h + 0.03 \ .
\end{aligned} \tag{E.18}$$

$$\begin{aligned}
\text{div} H_R(h) &= \Delta_W \left\{ \frac{2}{9}(c^2 - s^2) (1 + 30c^2) + 4c^2 s^2 + \frac{4}{3}c^2(7s^2 - \frac{25}{6} + \right. \\
&+ \left. \frac{7}{6}\frac{s^2}{c^2}) + \frac{4}{3}c^2 - \frac{4}{3}s^2 + \frac{16}{3}c^2 s^2 \right\} = \Delta_W [8c^2 - \frac{16}{3}c^4] \ .
\end{aligned} \tag{E.19}$$