

## Prog. Theor. Phys. Suppl. No.73

### List of errata (Version 4)

Z. HIOKI ( December 11, 1998 )

#### p.26

In Eq.(2.73):  $(gg'/\cdots) \rightarrow -(gg'/\cdots)$

#### p.27

In Eq.(2.78):  $\cdots = \bar{\psi}\{T^3 \cdots \rightarrow \cdots = \bar{\psi}\gamma_\mu\{T^3 \cdots$

#### p.28

On line 4: where  $i$  and  $I \rightarrow$  where  $I$  and  $i$

On line 5:  $\psi_i$  and  $\psi_I \rightarrow \psi_I$  and  $\psi_i$

#### p.101

On line 27 (in Eq.(4.17)):

$$\begin{aligned} & \bar{\psi}_I U_{Ii}^+ \partial^\mu \frac{1-\gamma_5}{5} \psi_i W_\mu^+ + \bar{\psi}_i U_{iI} \partial^\mu \frac{1-\gamma_5}{2} \psi_I W_\mu^- \\ \rightarrow & \bar{\psi}_I U_{Ii}^+ \gamma^\mu \frac{1-\gamma_5}{2} \psi_i W_\mu^+ + \bar{\psi}_i U_{iI} \gamma^\mu \frac{1-\gamma_5}{2} \psi_I W_\mu^- \end{aligned}$$

#### p.102

On line 8 (in Eq.(4.20)):  $gg' \rightarrow igg'$

#### p.103

On line 7 (in Eq.(4.23)):

$$-\frac{if_n}{\sqrt{2}} \bar{\psi}_n \gamma_5 \psi_n \chi_3 \rightarrow -\frac{if_I}{\sqrt{2}} \bar{\psi}_I \gamma_5 \psi_I \chi_3 + \frac{if_i}{\sqrt{2}} \bar{\psi}_i \gamma_5 \psi_i \chi_3$$

#### p.104

On line 14:  $M_Z \sqrt{\cdots} \rightarrow M_W \sqrt{\cdots}$

**p.105**

On line 3 from the bottom:  $B^-(\dots \rightarrow B_0^-(\dots$

**p.109**

In eq.(4.43) and (4.45):  $i \int d^4x e^{-i\cdots} \rightarrow i \int d^4x e^{i\cdots}$

**p.123**

On line 5:  $\frac{\delta m_j^2}{m_j^2} \rightarrow \frac{\delta m_j}{m_j}$

**p.131**

On line 2:  $(Z_L^{1/2\dagger})_{ji} \rightarrow (Z_L^{1/2})_{ji}$

On line 4:  $(Z_\phi^{1/2})_{ln} \rightarrow (Z_\psi^{1/2})_{ln}$

**p.133**

On line 3:  $(Z_{ZA}^{1/2}) \rightarrow (Z_{ZA}^{1/2})^2$

**p.136**

On line 2:  $G_2 \rightarrow YG_2$

**p.137**

On line 6:  $(Z_\phi^{1/2})_{ln} \rightarrow (Z_\psi^{1/2})_{ln}$

**p.139**

On lines 2 and 3:  $G_4 G_W^{-1} \rightarrow G_4$

**p.142**

On line 27:  $\bar{q}^2 = 4 \sim 5 (\text{GeV})^2 \rightarrow |\bar{q}^2| = 4 \sim 5 (\text{GeV})^2$

**p.153**

In Eq.(5.28): all  $m_e \rightarrow m_l$  ( 6 places )

**p.154**

In Eq.(5.30):  $2m_l\{\dots \rightarrow 2m_l\{\dots$

**p.155**

In Eq.(5.36):  $e^2 \rightarrow -e^3$

**p.158**

In Eq.(5.49):  $6F(m_e, m_e, q^2) \rightarrow 6F(m_\mu, m_\mu, q^2)$

**p.163**

In Eq.(5.61):  $\dots C_{UV} \rightarrow \dots C_{UV}\gamma_\alpha(1 - \gamma_5)$

In Eq.(5.64):  $\dots]u_e(p_e)_\lambda \dots \rightarrow \dots)(p_e)_\lambda]u_e(p_e) \dots$

**p.198**

On line 5:  $\dots - \not{q}\gamma_\alpha \rightarrow \dots - \gamma_\alpha \not{q}$

**p.202**

On line 11:  $\gamma(-C, D) \rightarrow \gamma(C, -D)$

**p.204**

In Eq.(C.10):  $+\int_0^1 dx x^n \dots \rightarrow -\int_0^1 dx x^n \dots$

**p.222**

On line 35: Prog.Theor.Phys.**65**, 2134  $\rightarrow$  Prog.Theor.Phys.**68**, 2134