

# Errata

(14 November 2024)

⇒ p. 152, Fig. 12.2:

Typesetting error on early online pdf: 2nd line of caption should read ... $a_0(980)$  resonance production in  $\bar{p}p$  annihilation into  $a_0\pi$ , according...

⇒ p. 84, eq. (7.58) replace  $m_\eta$  by  $m_{\eta'}$ .

⇒ p. 197, fig. 16.3, an update is available:

<http://amsler.web.cern.ch/Highlights/ExoticCharm.jpg>

⇒ p. 46, fig. 5.1, an update is available:

<http://amsler.web.cern.ch/Highlights/LightMesons.jpg>

⇒ p. 258, formula F.41, the term with square brackets  $[...]^2$  is equal to  $\frac{1}{\tan^2(\theta_i - \theta_P)}$ , where  $\theta_i$  is the ideal mixing angle ( $\theta_i = 35.3^\circ$ ).

⇒ p. 42: axial-vector mesons have quantum numbers  $1^{+-}$  (also called “pseudovectors”) or  $1^{++}$ .

⇒ p. 106, fig. 9.6:  $\chi_{b0}(3P)$  has not been observed yet. The  $\chi_b(3P)$  states, first observed unresolved by D0 and ATLAS, have been resolved into  $\chi_{b1}(3P)$  and  $\chi_{b2}(3P)$  by CMS [Phys. Rev. Lett. 121 (2018) 092002].

⇒ p. 200, bottom line should say “...cannot be bottomonium states.”