

# Correction to: Resonance Analysis



**Correction to:**  
**Chapter 12 in: C. Amsler, *The Quark Structure of Hadrons*,**  
**Lecture Notes in Physics 949,**  
[https://doi.org/10.1007/978-3-319-98527-5\\_12](https://doi.org/10.1007/978-3-319-98527-5_12)

The original version of the book was inadvertently published without incorporating the author's proof correction for figure caption 12.2.

The corrected caption now reads as:

**Fig. 12.2** Left: predicted  $\eta\pi$  and  $K\bar{K}$  mass distributions (in arbitrary units, full red curves) for  $a_0(980)$  resonance production in  $\bar{p}p$  annihilation into  $a_0\pi$ , according to the Flatté formalism with  $g_1 = 324$  MeV,  $g_2 = 329$  MeV ( $\Gamma'_0 = 462$  MeV). The observed width is about 54 MeV. The dashed blue line shows the  $\eta\pi$  mass distribution for the same width  $\Gamma'_0$  in the absence of  $K\bar{K}$  decay ( $g_2 = 0$ ). The observed width increases to 300 MeV. Right: the  $a_0(980) \rightarrow \eta\pi^0$  resonance in proton-antiproton annihilation at rest into  $\eta\eta\pi^0$  [4]

---

The updated version of the chapter can be found at  
[https://doi.org/10.1007/978-3-319-98527-5\\_12](https://doi.org/10.1007/978-3-319-98527-5_12)

© The Author(s) 2018  
C. Amsler, *The Quark Structure of Hadrons*, Lecture Notes in Physics 949,  
[https://doi.org/10.1007/978-3-319-98527-5\\_19](https://doi.org/10.1007/978-3-319-98527-5_19)