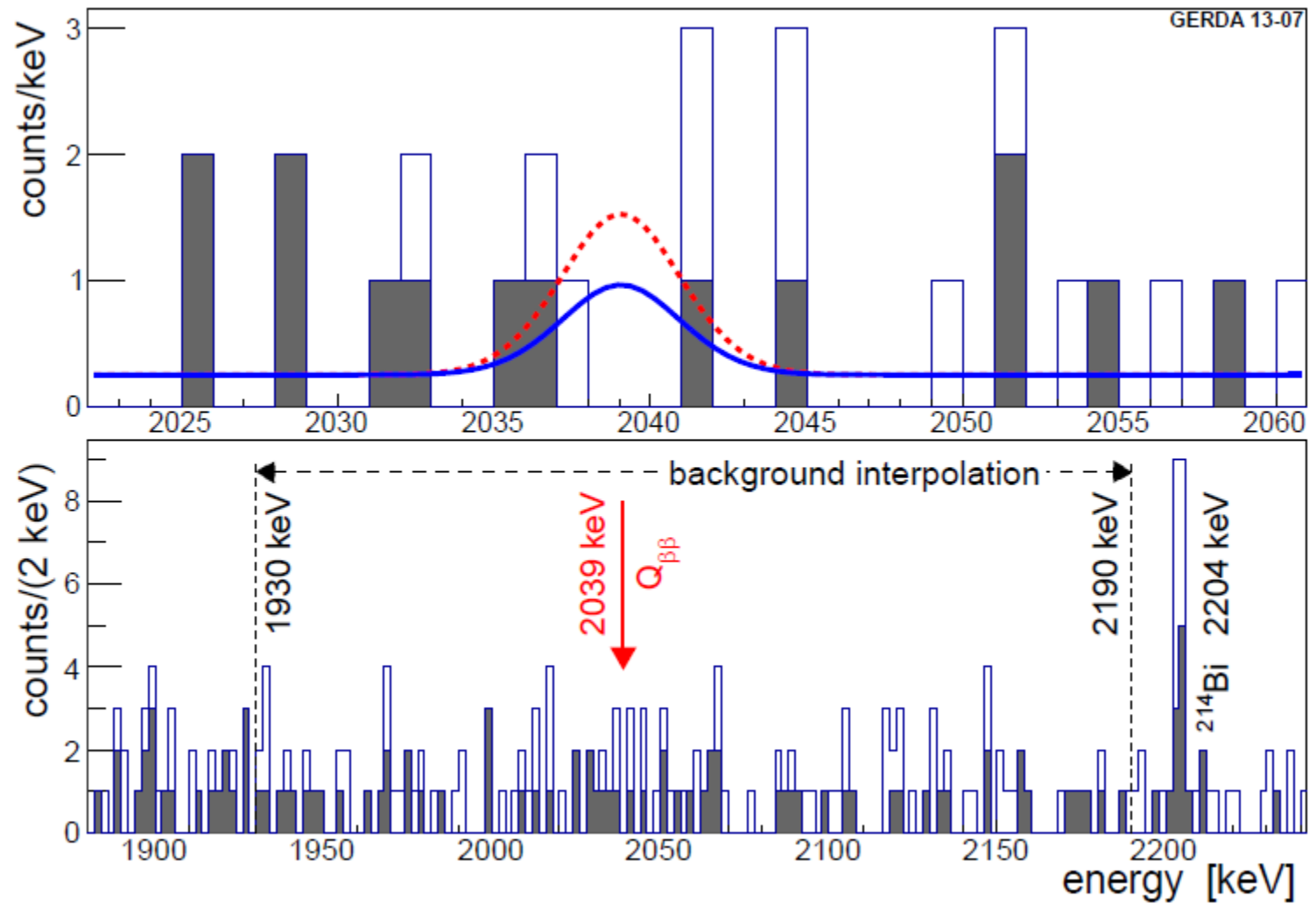


# Suche nach neutrinolosem doppeltem beta-Zerfall

blau: bester Fit  
 rot:  $T_{1/2} = 1.19 \cdot 10^{25}$  y  
 offen/voll: mit und ohne  
 Pulsformdiskriminierung



GERDA, Phys. Rev. Lett. 111 (2013) 122503

Fig. 8-1

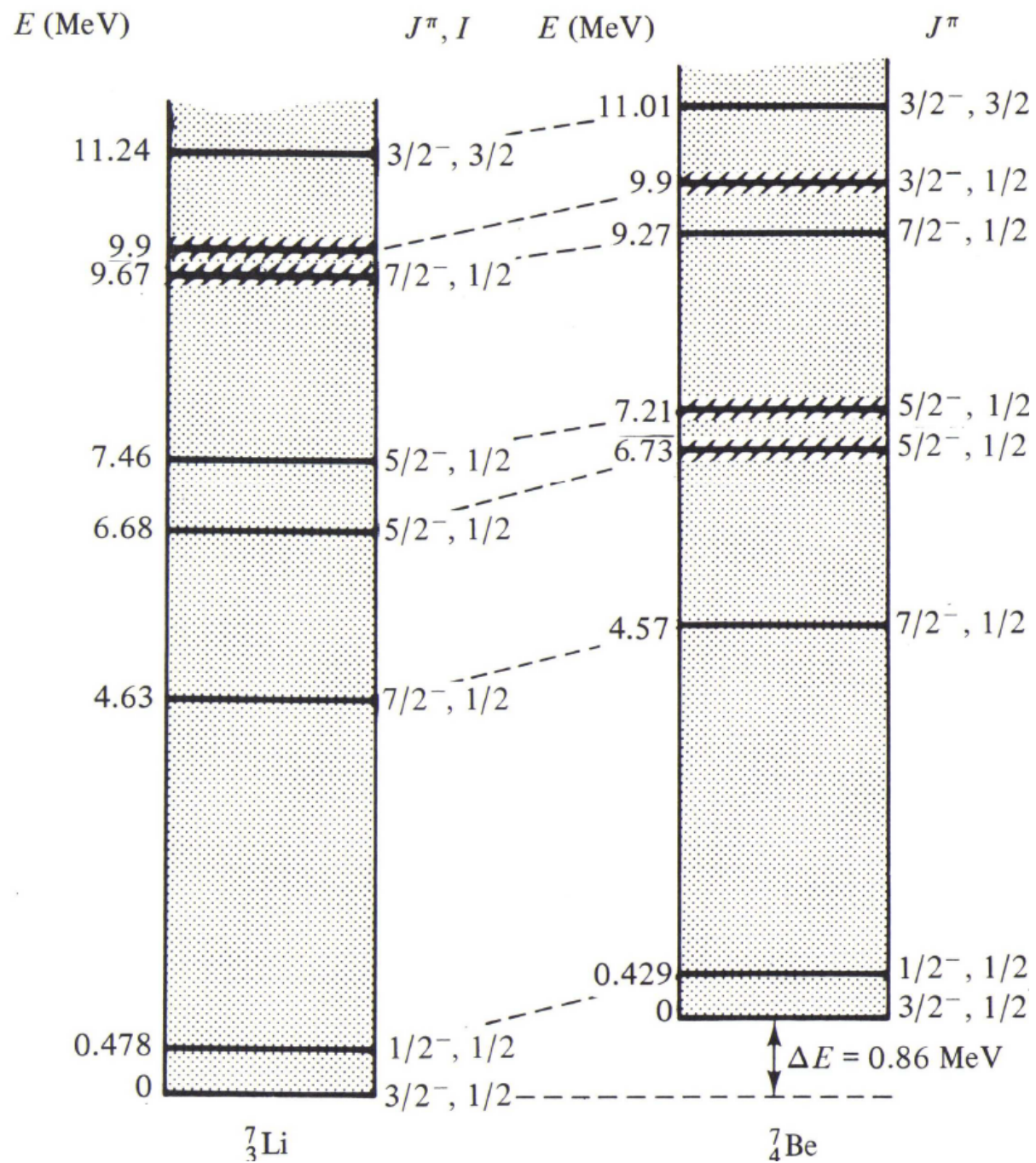


Fig. 8-2

$$E_{IA}(Z+1) = E_{IA}(Z) + \Delta E_c - (m_n - m_H)c^2, \quad (10-8)$$

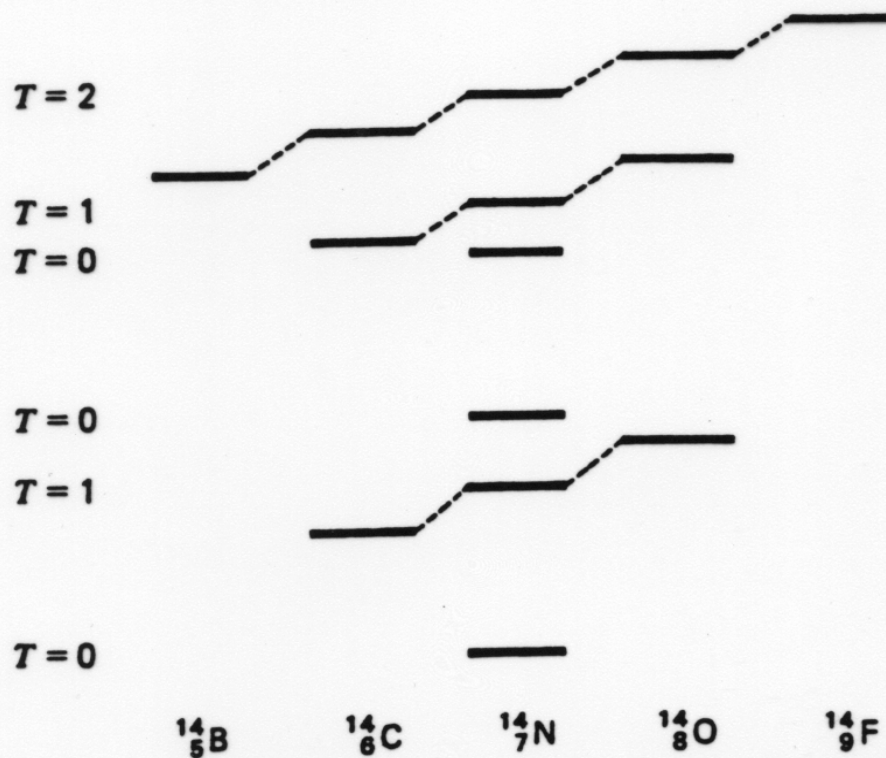


Fig. 10-2 Isobaric analog states in  $A = 14$  nuclei. States are classified according to the  $T$  quantum numbers. [Adapted from *Concepts of Nuclear Physics* by B. L. Cohen. Copyright © 1971 by McGraw Hill, Inc. Used with the permission of McGraw Hill Book Company.]

$$T_{\min} = T_z =$$

2      1      0      1      2

$$T_{\max} =$$

7      7      7      7      7

Fig. 8-3