

## **Double reversal of parity sign in alternating-parity rotational band**

Safarov A., Safarov R., Sitdikov A., Rasimgil R.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### **Abstract**

Parity sign reversal in the alternating-parity rotational band is observed in the spectrum of light isotopes of actinide nuclei, and in some nuclei double reversal takes place. Double reversal in the 220-226Ra isotopes is described within the high-spin approximation of the rotational model on the basis of Coriolis interaction between states showing parity splitting and angular momentum alignment. © 2007 by Allerton Press, Inc.

---