

Institutskolloquien im Wintersemester 2006/2007

09.10.06 Dr. Philip R. Bunker
National Research Council of Canada, Ottawa, Canada

“The Development of Biomolecular Homochirality: A Pedagogical Review of Parity Violation and Other Possible Mechanisms”

Abstract:

Protein amino acids are almost exclusively L and nucleic acid sugars are D. This biomolecular homochirality seems crucial for the processes of life, but how it has come about on earth is a puzzle. This pedagogical talk will review possible mechanisms including that of parity violation. If there is time at the end there will be a short discussion of charge-parity violation which current molecular spectroscopy experiments seek to measure: It is only because of charge-parity violation that our universe consists of anything else but photons.

Die Vorträge finden um 17 Uhr c.t. im Dr.-Oetker-Hörsaal des Instituts für Physikalische Chemie und Elektrochemie der Universität Hannover, Callinstr. 3-3A, 30167 Hannover, statt.

Die Dozenten der Physikalischen Chemie