



Institute colloquium

# Institute Colloquium: Stability and instability of matter

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Host:

In this talk, the way in which a stable macroscopic world arises from its microscopic ingredients will be discussed. The structure and properties of matter as we see it around us is formed mainly by the electric forces between the basic elementary particles. Equally important roles are played, however, by phenomena of quantum physics such as the Heisenberg uncertainty principle and the Pauli exclusion principle. In particular, the importance of the exclusion principle by describing the catastrophic consequences it would have if this principle was violated will be illustrated.

**Monday, March 3, 2014 04:30pm - 05:30pm**  
Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.