



# TRR 80 Seminar

Am Dienstag, den 23. Oktober um 16:00 Uhr

spricht

***Prof. Dr. Julian G. Sereni***

**Centro Atómico Bariloche, Argentinien**

über das Thema

***Comparison of ground state properties between materials suitable for adiabatic refrigeration at the sub-Kelvin range***

After the discovery of new Yb-based intermetallic compounds applicable to adiabatic magnetic refrigeration at  $T < 1\text{K}$ , the need arises to find some comparative criteria in order to select among different compounds the most indicated for each specific application.

Once recognized the main types of possible applications, the conditions required by each of them are listed. Based on the different types of behaviors observed in these new intermetallics, alternative criteria can be proposed depending on their thermodynamic properties. Thermal and magnetic variation of those properties are analyzed according to the nature of their respective ground states.

Gäste sind herzlich willkommen.

Der Vortrag findet im Seminarraum S-288, Institut für Physik,  
Universität Augsburg statt.

Gastgeber: Prof. Dr. Philipp Gegenwart  
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