



TRR 80 Seminar

Am Dienstag, den 27. Oktober um 16:00 Uhr

spricht

Prof. Dr. Paul C. Canfield

Ames Laboratory and Iowa State University, USA

über das Thema

***Why'd you do what you did, why'd you get what you got?
The development and discovery of new materials
and ground states.***

Often the discovery of a new material seems to be a miraculous event, a delta function in a sea of nothingness. In most cases, nothing could be further from the truth; the discovery of a new material or state is usually the result of a series of connected (although not always related) ideas or realizations. In this talk I will review several family trees of new materials, show how there is a direct link between the discovery of quasicrystals to the doubling of the known number of Yb-based heavy fermions. Logical tuning of samples as well as "clever monkey" experiments will also be reviewed, work on the FeAs-based superconductors will be used as recent examples.

Gäste sind herzlich willkommen!

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

Gastgeber: Dr. Anton Jesche
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