



TRR 80 Seminar

Am Dienstag, den 28. Juli um 16:00 Uhr

spricht

Prof. Dr. Avinash Mahajan

Indian Institute of Technology Bombay

über das Thema

Possible spin-liquid behaviour in $Sc_2Ga_2CuO_7$

The title compound crystallizes in a hexagonal structure where the Cu^{2+} ($S = 1/2$) ions appear to form edge-shared triangular planes which are widely separated from each other. Our structure measurements rather suggest triangular biplanes with sites shared by Cu and Ga.

I will discuss the results of our magnetisation, heat capacity, and ^{71}Ga NMR measurements. Our data suggest the formation of a quantum-spin liquid in the $S = 1/2$ system $Sc_2Ga_2CuO_7$.

Gäste sind herzlich willkommen!

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

Gastgeber: Dr. Norbert Büttgen
www.trr80.de