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Institute of Solid State Physics

Wiedner Hauptstr. 8-10/138, 1040 Wien  
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# EINLADUNG zum IFP-SEMINAR

Contact Density in Warm Dense Matter  
using path integral Monte Carlo

**Dominik Schildknecht**

Institute of Theoretical Physics, D-PHYS, ETHZ, Zürich, Switzerland

Host: Marco Battiato  
Termin: Montag, 8 Februar 2016, 15 Uhr  
Ort: Institut für Festkörperphysik, TU Wien  
Wiedner Hauptstraße 8-10, 1040 Wien  
Seminarraum FH gelb 09 (gelber Bereich, 9. OG)  
Förderer: FWF M1925-N28 FeMDy

The contact density in warm dense matter is an important quantity for the evolution of lithium in the universe. State of art models for measuring the contact density are rather basic. We used a QMC code in real space to simulate and to get data for this observable. I will show that the straight forward method is not the method of choice and present new ideas for a global delta function estimator.