



中心系列讲座 ICQM Weekly Seminar Series

Thermodynamics of Warm Dense Matter under High Energy Density Regime

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Time: 4:00pm, Aug. 31st, 2011 (Wednesday)

时间: 2011年8月31日 (周三) 下午4:00

Venue: Room 607, Conference Room A, Science Building 5

地点: 理科五号楼607会议室

Abstract

Today new techniques, such as intense lasers, Z-pinch facilities etc., provide possibilities to study matters under the condition of high energy density (HED). A number of physics phenomena under HED regimes are of wide scientific interest. In this presentation, under the conditions of HED the thermodynamics of warm dense matter (WDM) that the coupling constant is around 1 and is in partially or fully degenerate states, in which quantum effects neither dominate nor are negligible, is investigated.

About the Speaker

贺贤土: 理论物理学家。中国科学院院士; 北京应用物理与计算数学研究所研究员; 北京大学应用物理与技术研究中心主任。主要从事国防重大任务、惯性约束聚变科学、高能量密度物理等领域的研究工作。发表了160多篇论文。