

Institut Ruđer Bošković  
ZAVOD ZA TEORIJSKU FIZIKU  
Bijenička c. 54  
ZAGREB, HRVATSKA

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SEMINAR ZAVODA ZA TEORIJSKU FIZIKU  
(Zajednički seminari Zavoda za teorijsku fiziku,  
Zavoda za eksperimentalnu fiziku IRB-a i Fizičkog odsjeka PMF-a)

## Thermodynamic potential with complex chemical potential

**Bruno Klajn**  
Zavod za teorijsku fiziku, IRB

Datum: petak, 24. siječnja 2014.  
Vrijeme : **14:00 sati c.t.**  
Mjesto: IRB, dvorana I krila

### Abstract:

In the talk, I will present the derivation of the exact one-loop thermodynamic potential as a function of a complex chemical potential. I will show how the imaginary chemical potential can be interpreted as an effective parastatistic phase and used to identify the origin of singular terms appearing in the bosonic thermodynamic potential and not in the fermionic one.

Voditeljica seminara:  
Kornelija Passek-Kumerički  
([passek@irb.hr](mailto:passek@irb.hr))