

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)

# Random Matrices and Homolumo Gap

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Vrijeme : **14:00 sati c.t.**

Mjesto: IRB, dvorana I krilo

### **Abstract:**

We consider a rather general type of matrix model, in which the fluctuations of the matrix are partly given by some fundamental randomness and partly dynamically. In such setting we study the homolumo-gap effect, which means that we consider the matrix as the Hamiltonian matrix for a single fermion interacting with this matrix and then we study how the level density gets attenuated near the Fermi surface.

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