



سمینار هفتگی گروه ماده چگال نرم

Noise Analysis in Studies of Biological Membrane Ion Channels

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In this lecture I review some of Bezrukov works on ion channels biological noises. I present the classification of noises in biological systems including equilibrium Johnson noise, shot noise, reversible residue ionization, blocker binding and conformational dynamics in the light of Bezrukov et al. experiments and theoretical works. Also I talk about coulter principle and introduce ion channels as "molecular coulter counters" (*J. Membrane Biol.* **174** (2000) 1–13). This literature will be used for proceeding in ion channel data analysis.

زمان: شنبه 87/8/25 ، ساعت : 15:30

مکان: آمفی تئاتر دانشکده فیزیک

قطب ماده چگال و سیستمهای پیچیده