



Объединенный институт ядерных исследований  
ЛАБОРАТОРИЯ ТЕОРЕТИЧЕСКОЙ ФИЗИКИ  
*им. Н. Н. Боголюбова*

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Семинар  
“ТЕОРИЯ АДРОННОГО ВЕЩЕСТВА ПРИ ЭКСТРЕМАЛЬНЫХ УСЛОВИЯХ”

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Семинар состоится  
в среду 30 ноября в 16.00  
в аудитории им. Д. И. Блохинцева (4 этаж)

**Victor Braguta**

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## **Study of temperature dependence of QCD viscosity**

We have studied the QCD viscosity in the vicinity of confinement/deconfinement transition in lattice simulations. In particular, we have computed with high accuracy the correlators of energy-momentum tensor in gluodynamics in the temperature range  $T/T_c = (0.9, 1.5)$ . Using these correlation functions, we evaluated the spectral density. Using it, we finally calculated the viscosity. The results of the calculation are in agreement with the values of viscosity, obtained in the RHIC experiment.