

**First Announcement**

**2<sup>nd</sup> CROATIAN-HUNGARIAN MEETING**

**Summer Workshop for Theoretical Physics**

# **Hot Matter and Gauge Field Theories**

**Rab, Croatia, 30 August -3 September 2007**

Organized by Theoretical Physics Division of Rudjer Bošković  
Institute and Theoretical Physics Department of Eötvös Loránd  
University

Dear Colleagues,

It is our great pleasure to bring to your attention the first announcement of "Hot Matter and Gauge Field Theories 2007" 2<sup>nd</sup> International Workshop on Fundamental questions of Non-Abelian Quantum Gauge Theories and Cosmology, to be held in Rab, Croatia, to be held from August 30 to September 03, 2007. "Rudjer Bošković" Institute, Zagreb, Croatia and Eötvös Loránd University,

Budapest, Hungary will co-host this conference.

**Location:**

The location of the conference will be the Dormitory of the "Rudjer Bošković" Institute in Rab, Croatia.

Odmaralište IRB, 51280 Rab, Kneza Domagoja 7, (within old town)

The conference includes four days of plenary talks.

**The program of the conference will include the following topics:**

Physics at LHC, CERN

Out of Equilibrium QCD in Retarded/Advanced propagator formulation

Hamiltonian QCD

QCD at High Temperature and Density

Quark Matter in Astro-particle Physics

New Theoretical Developments

**City and weather during the conference:**

Rab ([www.TZG-RAB.hr](http://www.TZG-RAB.hr)) is a small ancient town situated on the island of Rab, which is part of the Kvarner Bay archipelago in the north of the Croatian part of the Adriatic sea. Some 9000 inhabitants are living there, mostly by agriculture, fishing, shipbuilding and tourism. The period of Workshop belongs to the full tourist season. The weather is typical mediterranean: dominantly sunny,

warm to moderate hot, moderate sea temperatures.

### **How to reach Rab:**

To reach Island of Rab from Zagreb, one has to choose highway A1 towards Karlovac, Senj, Jablanac; use ferry-boat Jablanac - Mišnjak (the journey lasts around 15min, and the frequency is 8-20 times a day) on the island of Rab, and finally by car to the town of Rab itself. In Croatia one is supposed to drive with 0% of alcohol in veins!

### **Hotels:**

There is a possibility for accomodation in the Dormitory (where one can use the cooking facilities - outside of workshop time, or enjoy one of many available small restaurants around) or at some of Rab's hotels (Carolina, Eva, Imperial, Padova, Barbat, Epario, Istra, ...).

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