

# Ruđer Bošković Institute

## Division of Theoretical Physics

### TWINNING LECTURES



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# NONPERTURBATIVE ASPECTS OF QCD

## DAMIR BECIREVIC

Laboratoire de Physique Théorique (LPT),  
Université Paris Sud (Orsay), France

### LECTURE 1

Tuesday, May 2, 10 a.m.

### LECTURE 2

Wednesday, May 3, 10 a.m.

Venue: Lecture hall, Ivan Supek Wing

### ABSTRACT:

These lectures will be divided in two parts. We first discuss the construction of effective field theories which are used to partly solve nonperturbative QCD. We then focus on the subtleties related to discretisation of the Lagrangian and composite operators in order to make the computation of hadronic quantities based on first principles of the theory, known as lattice QCD (LQCD). A few interesting results related to the QCD vacuum will be discussed.

## 2017.

ThPhys@IRB



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