

# QCD-TNT-4

## Unraveling the organization of the QCD tapestry

*IlhaBela, São Paulo, Brazil August 31- September 4, 2015*

Dear colleague:

We are very pleased to invite you to participate in the fourth edition of the QCD-TNT workshops, previously held in Trento, Italy, but this year to be held from August 31 to September 4, 2015 in IlhaBela (Beautiful Island), São Paulo, Brazil.

The aim of the fourth edition of the QCD-TNT workshop is to bring together a selected group of QCD experts to discuss various recent developments and to set further goals and objectives for understanding the nonperturbative dynamics of Yang-Mills theories. Topics covered in the previous QCD-TNT workshops included confinement, gluon mass generation, lattice simulations in different gauges, QCD at finite temperature and density, and more phenomenologically oriented topics such as hadronic form factors at JLab, parton distribution amplitudes (PDAs), and experimental reviews about heavy ion and charm physics at GSI, RHIC and LHC.

Within this framework, you are invited to talk on a subject of your choice, not restricted to the examples given above. The general idea is to have plenty of time for discussions and personal interaction, so we are considering a format more like 45 minutes for a talk plus 15 minutes for discussion (rather than 25+5 as in past workshops). The final format will depend on the total number of participants and on various boundary conditions (excursions, etc). In addition, we plan to publish the workshop proceedings.

So that we can start preparing the structure and program of the Workshop, please let us know at your earliest convenience if you plan to attend. If you need more information, feel free to contact any of us at the email addresses below.

### **Costs, registration, and financial support**

At the moment we are seeking funds to provide partial support of lodging costs and other local expenses for all external participants. In order to secure local support, we will in the coming months ask you to send us (i) a provisory

title and a brief abstract as well as a (ii) brief CV with your publication list. Detailed instructions will be sent in a forthcoming email. At the end of the first quarter of 2015 we hope to provide a more accurate picture of the level of financial support each one of our invitees will receive.

Depending on available funds, we may be able to assist with certain travel costs, but transportation to São Paulo will be your responsibility. It is important to mention that we plan to organize a bus that will leave São Paulo airport (Garulhos) to IlhaBela on Sunday August 30, the day before the workshop begins, and other back to the airport on the Saturday after the ending of the conference.

All the information regarding the Workshop (important dates, travel information, scientific program, etc) will be made available in the coming months at the website:

<http://sites.ifi.unicamp.br/qcd-tnt4/>

that you are invited to check periodically. **Although registration is not yet open it is important for you to let us know as soon as you can whether you think you can attend.**

### **IlhaBela and amenities**

IlhaBela is the largest island along Brazil's coast, situated only 3 km off the coast of São Paulo state in Brazil and slightly south of the Tropic of Capricorn, which passes through the nearby town of Ubatuba. Ilhabela earns its name from its volcanic peaks, beautiful beaches, dense tropical Atlantic forests, and some 360 waterfalls. Almost 85% of the island has been turned into a park and Unesco-protected biosphere, which shelters a remarkable profusion of plant and animal life, including toucans and capuchin monkeys. In addition, Ilhabela is a popular sailing point. Several regattas take place off the city's coast. The island is popular for many other watersports, including scuba and free diving.

The workshop will take place at Itapemar hotel located within walking distance of the historic center of the island, known as Vila. There one can find many small shops and several interesting and charming choices of restaurants and bars.

*We are all looking forward to your positive response.*

Best regards from the Local and Scientific Organizing Committees:

**Local Organizing Committees**

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