



# Workshop on Magnetic Fields in Hadron Physics

Instituto de Física Teórica - UNESP, São Paulo, Brasil

May 9 - 13, 2016

Recently there has been growing interest in the role that magnetic fields play in hadron dynamics. Scenarios where such effects may be important include peripheral heavy ion collisions and compact astrophysical objects such as neutron stars where intense fields can be produced. One of the driving motivations of the growing international community working in this area is understanding the structure of the phase diagram of Quantum Chromodynamics (QCD). This workshop will address this topic using different approaches to the subject, allowing a fluent exchange of opinions and perspectives.

## Organizers:

Alejandro Ayala (UNAM), Gastão Krein (IFT-UNESP), Marcelo Loewe (PUC-Chile), Cristian Villavicencio (UBB-Chile)

## Speakers:

**Gunnar Bali** (U. Regensburg)

**Massimo D'Elia** (U. Pisa)

**Cesareo Dominguez** (U. Cape Town)

**Gergerly Endrodi** (U. Regensburg)

**Efrain J. Ferrer** (U. Texas El Paso)

**Eduardo Fraga** (UFRJ)

**Kenji Fukushima** (Tokyo U.)

**Luis Hernández** (U. Cape Town)

**Vivian de la Incera** (U. Texas El Paso)

**Vladimir Miransky** (Western Ontario U.)

**Ana Mizher** (UNAM)

**Fernando Navarra** (USP)

**Jorge Noronha** (USP)

**Letícia Palhares** (UFRJ)

**Aurora Pérez-Martínez** (ICIMAF)

**Marcus Benghi Pinto** (UFSC)

**Alfredo Raya** (U. Michoacan)

**Juan Cristobal Rojas** (U. Catolica del Norte)

**Neda Sadooghi** (Sharif U. of Technology)

**Angel Sánchez** (UNAM)

**Norberto Scoccola** (CNEA-Argentina)

**Igor Shovkovy** (Arizona State U.)

**Vladimir Skokov** (Western Michigan U.)

**Maria Elena Tejeda-Yeomans** (U.Sonora)

**Renato Zamora** (PUC, Chile)



### ICTP-SAIFR Steering Committee:

**Fernando Quevedo** (chair)

ICTP director

**Julio Cezar Durigan**

UNESP rector

**Carlos Brito Cruz**

FAPESP scientific director

**Jacob Palis**

Brasil Acad. of Sci. president

**Juan Maldacena**

Representing South America

### ICTP-SAIFR Scientific Council:

**Peter Goddard** (chair)

IAS, Princeton

**S. Randjbar-Daemi** (coord.)

ICTP vice-director

**Rogério Rosenfeld**

IFT-UNESP director

**Marcela Carena**

Fermilab, Batavia

**Marcel Clerc**

Univ. de Chile, Santiago

**Belita Koiller**

UFRJ, Rio de Janeiro

**Luis Lehner**

Perimeter Inst., Waterloo

**Gabriel Mindlin**

Univ. de Buenos Aires

**Matias Zaldarriaga**

IAS, Princeton

**Barton Zwiebach**

MIT, Cambridge

### ICTP-SAIFR Staff:

**Nathan Berkovits**

Director

**Rogério Rosenfeld**

Vice-director

**Jandira Oliveira**

Executive manager

**Nadia Rosa Roque**

Executive secretary

**Lilia Faria**

Financial manager

**Rafael Mascarenhas**

Technical assistant

**The application deadline is March 18, 2016**

The online registration form and more information can be found at:

[www.ictp-saifr.org/magnetic2016](http://www.ictp-saifr.org/magnetic2016)