

ICTP-SAIRF/FAIR WORKSHOP ON MASS GENERATION IN QCD

February 25 – March 1, 2019.

at Instituto de Física Teórica - UNESP, São Paulo, Brazil

SPEAKERS

Tassos Belias (GSI, Darmstadt, Germany)
Marco Bregant (IF-USP, Brazil)
Kai-Thomas Brinkmann (Giessen U., Germany)
Evgeny Epelbaum (Ruhr-U. Bochum, Germany)
Christian Fischer (Giessen U., Germany)
Tobias Frederico (ITA, Brazil)
Tord Johansson* (Uppsala U., Sweden)
Takeshi Kodama (UFRJ, UFF/NCT-FNA, Brazil)
Frank Maas (HIM/Mainz U., Germany)
Marcelo Munhoz* (IF-USP, Brazil)
Fernando Navarra* (IF-USP, Brazil)
Klaus Peters (GSI, Darmstadt, Germany)
Tobias Stockmanns (FZ Jülich, Germany)
Jun Takahashi (UNICAMP, Brazil)
Kazuo Tsushima (UNICSUL, Brazil)

* To be confirmed

FAIR, the Facility for Antiproton and Ion Research, based in the German city of Darmstadt, is a new international accelerator facility for the research with antiprotons and ions. The scientific questions it will address include: (1) How did matter in the early Universe evolve and why does it look the way it does today? (2) How does matter behave across the wide range of temperatures and pressures found in the past and present Universe? (3) How does the strong force, which binds the particles comprising atomic nuclei work - and where do their masses come from? (4) Where do the atomic elements come from? (5) How does the electromagnetic force, which binds atoms and molecules, work under extreme conditions? To address those questions, the FAIR experiments require high precision detectors for charged and neutral particles for high-interaction rates.

The workshop at the ICTP-SAIRF intends to bring together theorists and experimentalists to discuss these physics topics accessible at this facility. In addition, the workshop aims to expose the possibilities for involvement of more Brazilian physicists in what will be the leading future experiments to study the strong forces within nuclei which FAIR offers.

There is no registration fee.

Application deadline:

January 13, 2019

Online registration form and information:

<http://www.ictp-saifr.org/QCDw2018>



ORGANIZERS

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