

ICTP-SAIFR/FAIR Workshop on Mass Generation in QCD

February 25 – March 1, 2019

ICTP—SAIFR, São Paulo, Brazil

Monday, February 25, 2019				
9:00	Registration			
09:45	Welcome and opening remarks		14:45	Evgeny Epelbaum Ruhr University Bochum <i>Hadronic molecules from effective field theory</i>
10:00	Klaus Peters GSI Darmstadt	Status and progress of FAIR	15:30	Marcio Weichert DWIH São Paulo <i>Introduction to the German Centres for Research and Innovation</i>
				Anna Bakhausen DAAD São Paulo <i>Funding opportunities from the DAAD</i>
				Katrin Winkler DFG Latin America <i>Funding opportunities from the DFG</i>
10:45	Coffee Break		16:00	Nathan Berkovits ICTP-SAIFR/IFT-UNESP <i>Summary of ICTP-SAIFR activities</i>
11:15	Takeshi Kodama Federal U. Rio de Janeiro	<i>The National Institute for Nuclear Physics and Applications</i>	16:15	Coffee Break
12:00	Alinka Lépine Szily University of São Paulo	<i>RIBRAS — Radiactive Beams in Brazil</i>	16:45	Round Table
12:45	Lunch Break			

Tuesday, February 26, 2019

10:00	Ulrich Wiedner Ruhr University Bochum	<i>Glueballs – fundamental, exciting and elusive</i>	15:00	Kazuo Tsushima Cruzeiro do Sul University	<i>In-medium properties of the low-lying bottom baryons in the QMC model</i>
10:45	Coffee Break		15:30	João Pacheco B.C. de Melo Cruzeiro do Sul University	<i>Extraction of electromagnetic form factors for spin-1 particles on the light-front</i>
11:15	Frank Maas Helmholtz Institute Mainz	<i>Nucleon structure studies with the PANDA experiment</i>	16:00	Coffee Break	
12:00	Tord Johansson Uppsala University	<i>Prospects for hyperon physics with PANDA</i>	16:30	Fernando Serna Cruzeiro do Sul University	<i>Interplay of dynamical and explicit chiral symmetry breaking effects on a quark</i>
12:45	Lunch break		17:00	Fábio Braghin Federal Univ. of Goiás	<i>Pion and constituent quark effective interactions and constituent quark mass</i>

Wednesday, February 27, 2019

10:00	Anastasios Belias GSI Darmstadt	<i>The PANDA detector</i>	15:00	Rubens Lichtenthäler University of São Paulo	<i>Selected ongoing projects at RIBRAS</i>
10:45	Coffee Break		15:30	Mauro Cosentino Federal U. of ABC São Paulo	<i>Simulation for high energy physics detectors</i>
11:15	Marco Bregant University of São Paulo	<i>Instrumentation Lab of HEPIC@IFUSP</i>	16:00	Coffee Break	
12:00	Tobias Stockmanns Forschungszentrum Jülich	<i>PandaRoot – the simulation and reconstruction framework of PANDA</i>	16:30	Giorgio Torrieri State University of Campinas	<i>Quarkyonic matter. What is it and how to (maybe) detect it</i>
12:45	Lunch Break		17:00	Marina Nielsen University of São Paulo	<i>Recent developments on the X, Y and Z states</i>

Thursday, February 28, 2019

10:00	Kai-Thomas Brinkmann Giessen University	<i>Photon spectroscopy at PANDA and elsewhere</i>	15:00	Gilberto Ramalho Cruzeiro do Sul University	<i>Octet baryon double ratios G_E/G_M in a nuclear medium</i>
10:45	Coffee Break		15:30	Chen Chen IFT State University São Paulo	<i>Structure of the nucleon's low-lying excitations</i>
11:15	Christian Fischer Giessen University	<i>QCD phase transition from Dyson-Schwinger equations</i>	16:00	Coffee Break	
12:00	Fernando Navarra University of São Paulo	<i>Heavy quarkonium in a hadron gas</i>	16:30	Tobias Frederico ITA São José dos Campos	<i>Minkowski space dynamics for hadrons</i>
12:45	Lunch Break		17:00	Fabio Köpp UFRGs	<i>Heavy quark hadroproduction within dipole framework at FAIR</i>

Friday, March 1, 2019

10:00	Klaus Peters GSI Darmstadt	<i>Experimental status and outlook of the XYZ mystery</i>	12:00	Jorge Noronha University of São Paulo	<i>Out-of-equilibrium phenomena at finite density</i>
10:45	Coffee Break		12:45	Workshop Closure and Lunch	
11:15	Marcelo Munhoz University of São Paulo	<i>Heavy-Flavor Hadrons as a Probe of the Quark-Gluon Plasma</i>			