

ExtreMe Matter Institute EMMI

EMMI Workshop

Experimental and Theoretical Status of and Perspectives for XYZ States

In memory of Mikhail Voloshin († March 20, 2020)

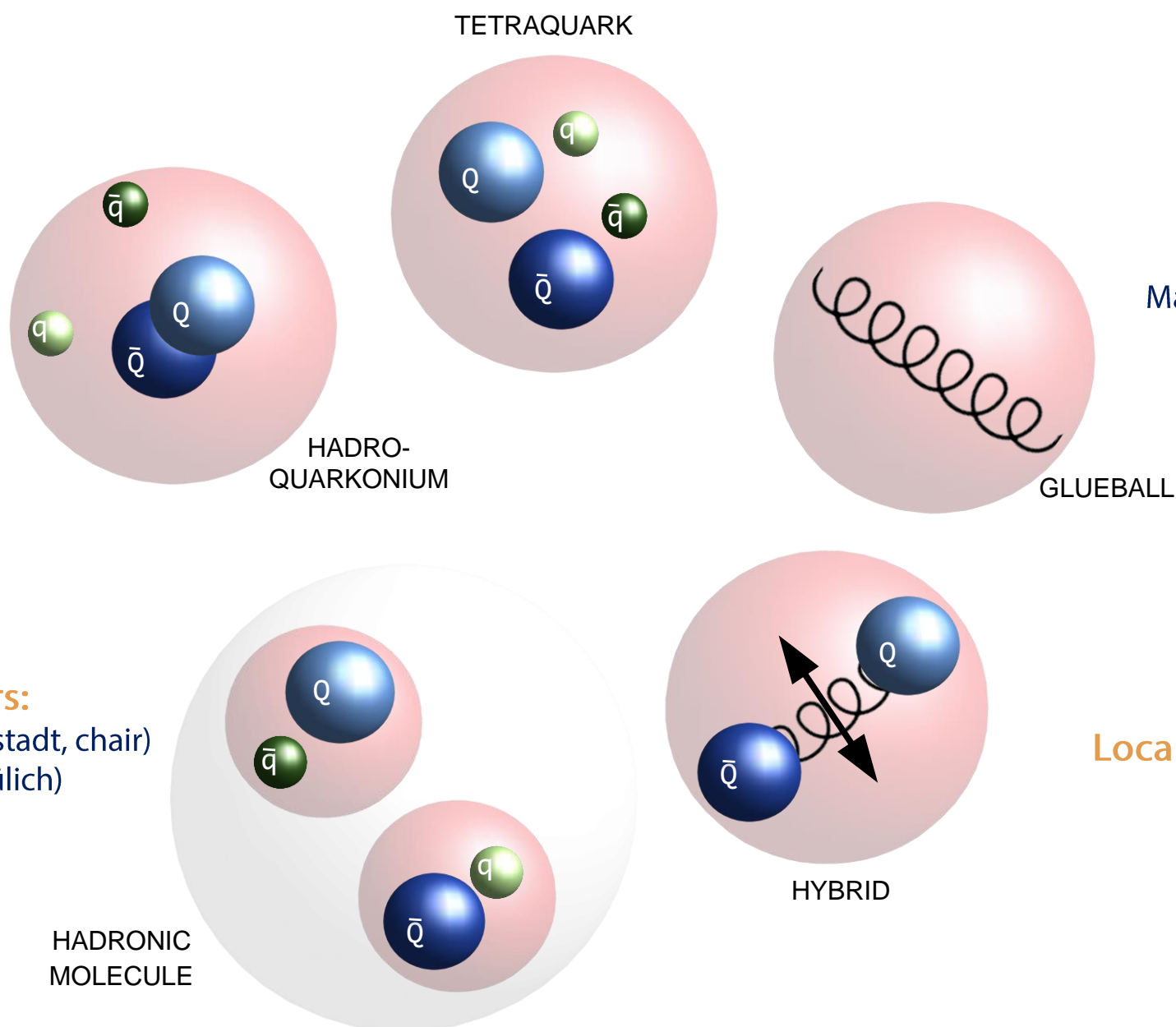
GSI Darmstadt, Germany, April 12-15, 2021

Invited Speakers (Experiment):

Peter Braun-Munzinger
Sean Dobbs
Simon Eidelmann
Alexey Guskov
Zhiqing Liu
Roman Mizuk
Sebastian Neubert
Marco Pappagallo
Cheng-Ping Shen
Chengzeng Yuan

Invited Speakers (Theory):

Eric Braaten
Nora Brambilla
Feng-Kun Guo
Luciano Maiani
Ulf-G. Meißner
Alessandro Pilloni
Sinead Ryan
Marc Vanderhaegen



Scientific Organisers:

Frank Nerling (GSI Darmstadt, chair)
Christoph Hanhart (FZ Jülich)

Logistics and Local Organisation:

Udo Kurilla
Anja Meergans
Frank Nerling

The workshop focusses on the current status and future perspectives of both theory and experiment in the field of exotic hadrons in the heavy quarkonium mass range. While a majority of the community agrees that the XYZ states have a non- $\bar{q}q$ nature, the internal structure of these states is not yet understood. Key players in the field are Belle (II) (Japan), BESIII (China) and LHCb (CERN). In the future, the gluon-rich process of $p\bar{p}$ annihilation promises new insights.

Online registration:

<https://indico.gsi.de/e/XYZ-states-2021>

Information:

www.gsi.de/emmi/workshops

More about EMMI:

www.gsi.de/emmi