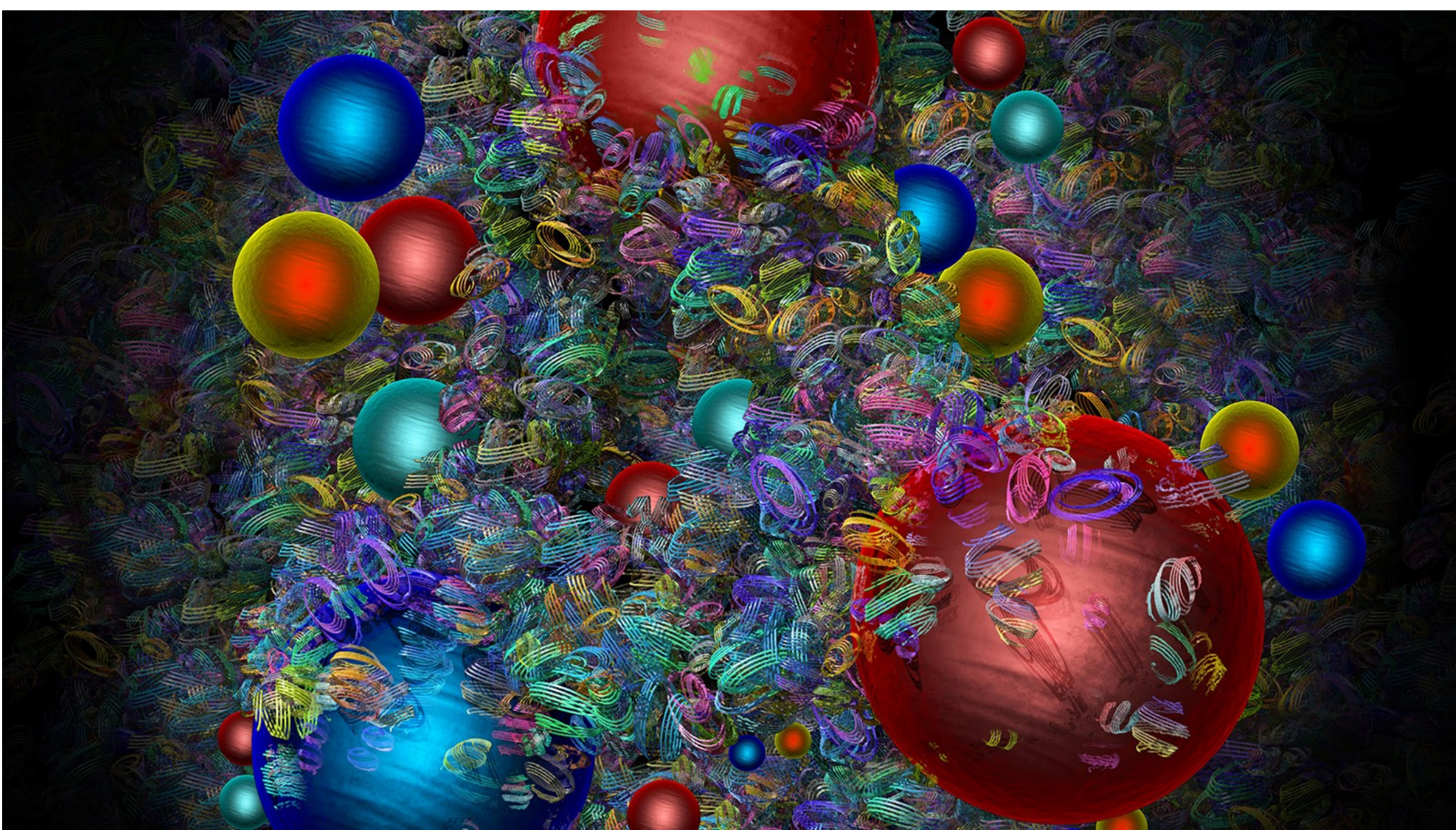


WELCOME !

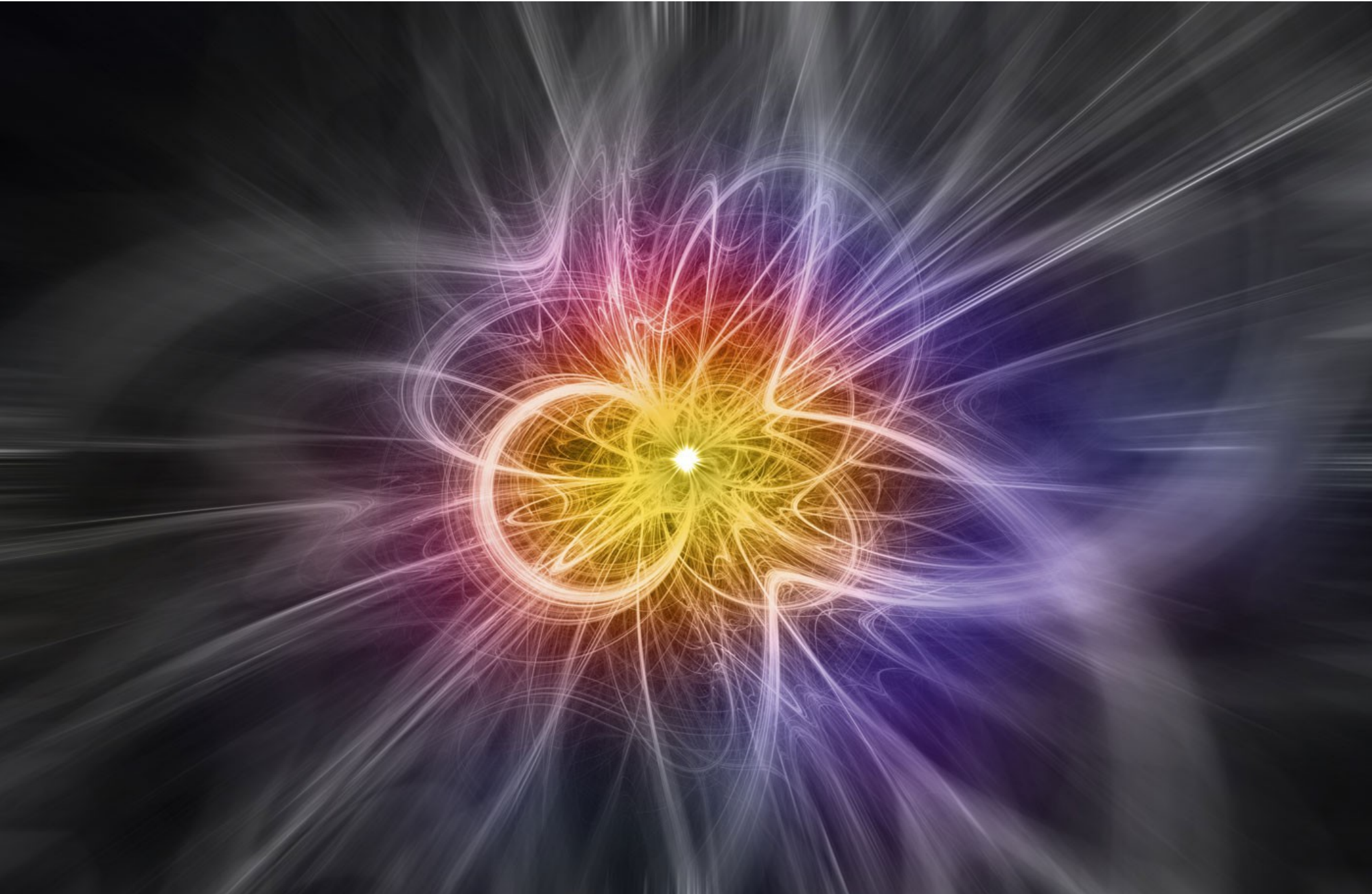


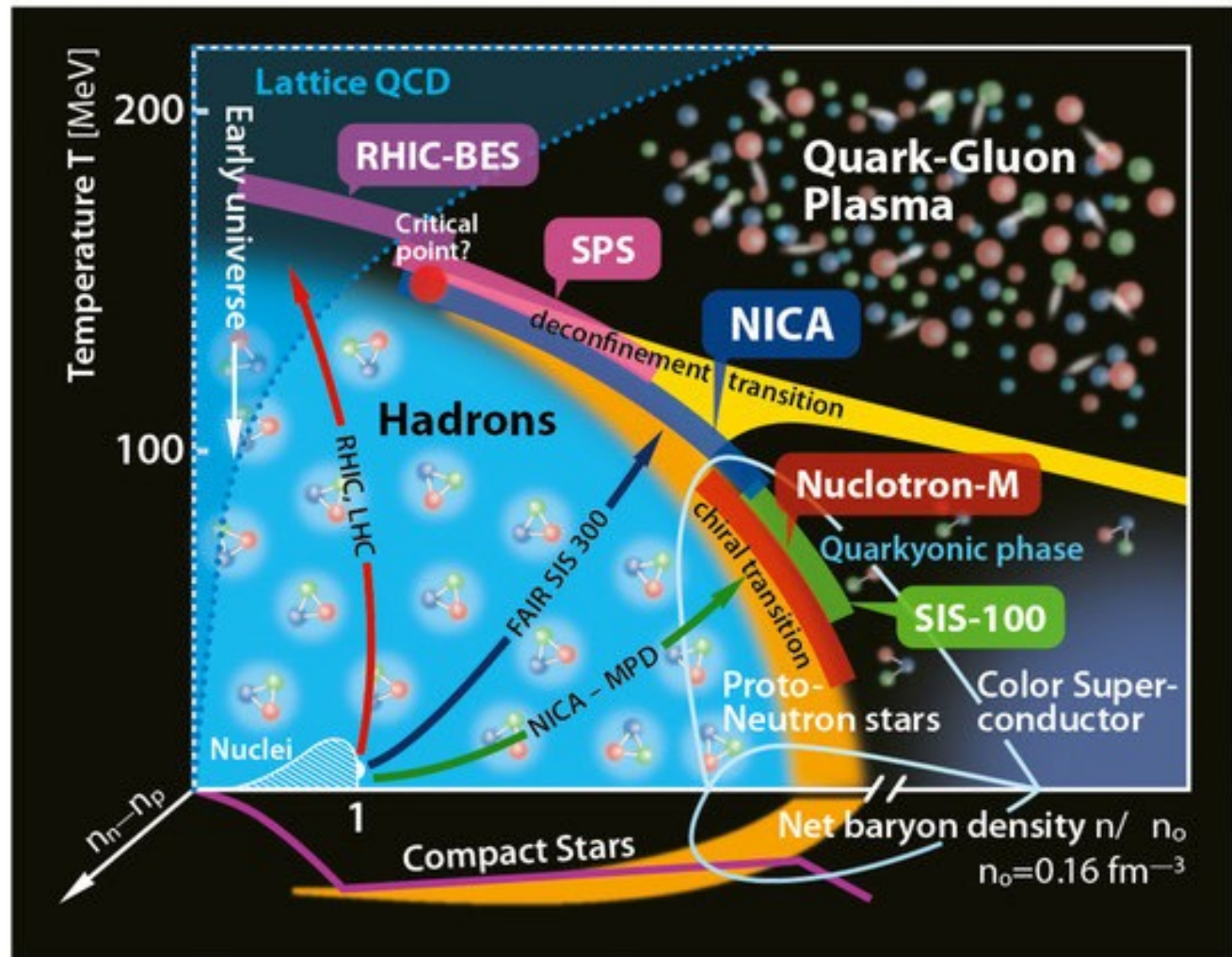
The background of the slide features a complex, abstract pattern. It consists of numerous small, colorful spheres in shades of yellow, orange, red, and blue, interspersed with intricate, swirling, and braided lines in various colors like green, purple, and blue. The overall effect is a dense, textured, and vibrant visual field.

II. International Workshop on Theory of Hadronic Matter Under Extreme Conditions

**Bogoliubov Laboratory of
Theoretical Physics @ JINR
Dubna, 16.-19.09.2019**

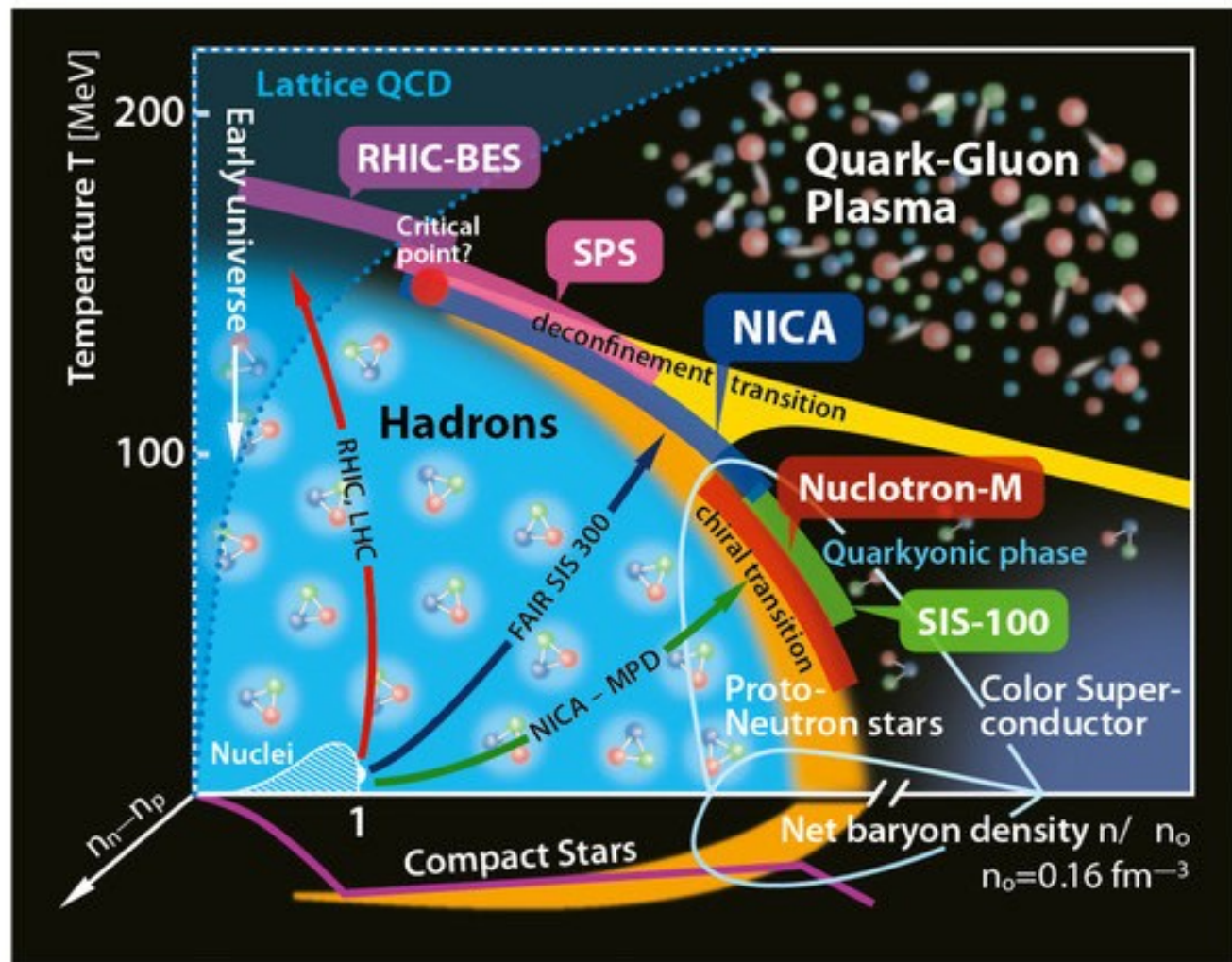
QCD Phase Diagram





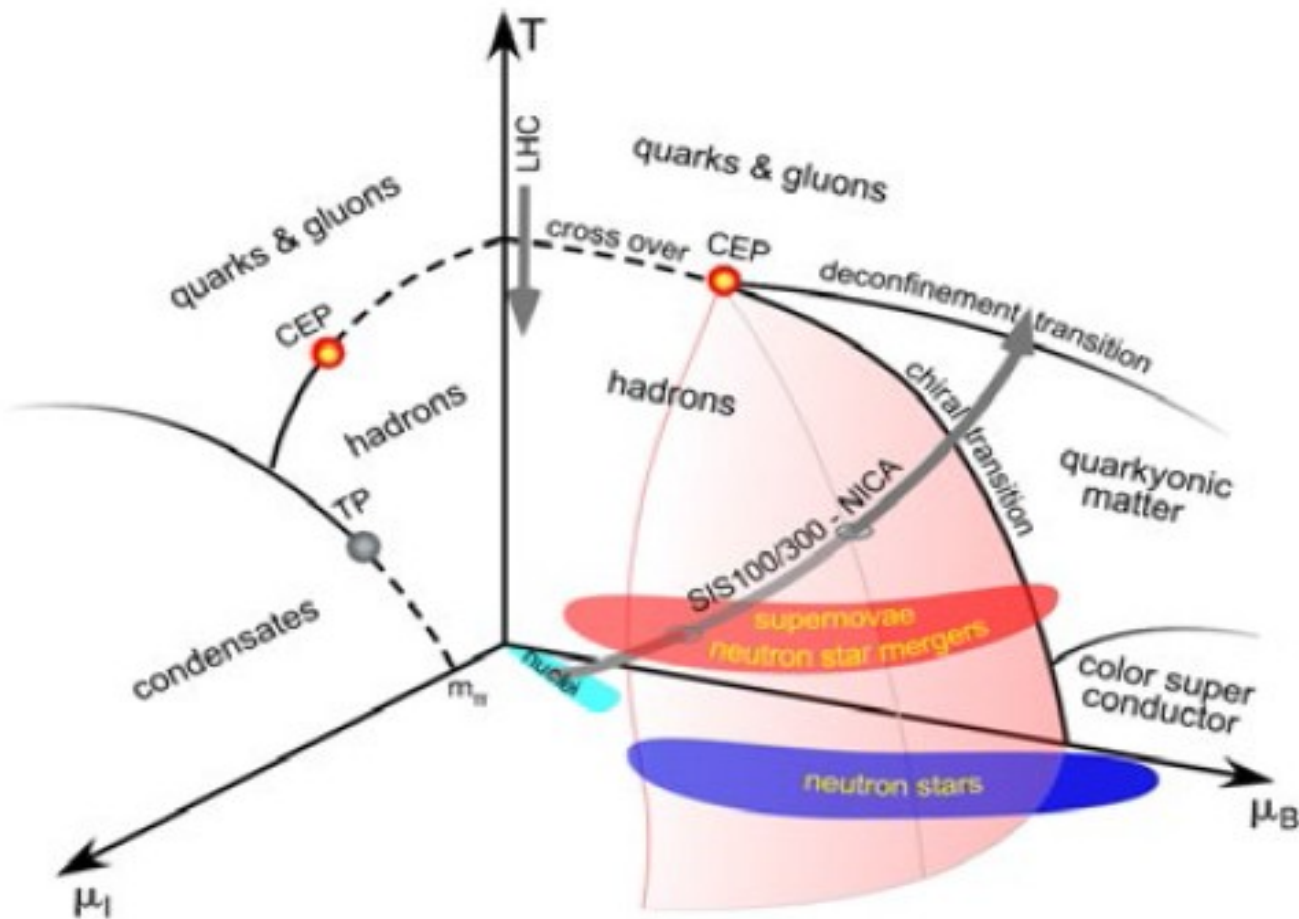
TOPICS:

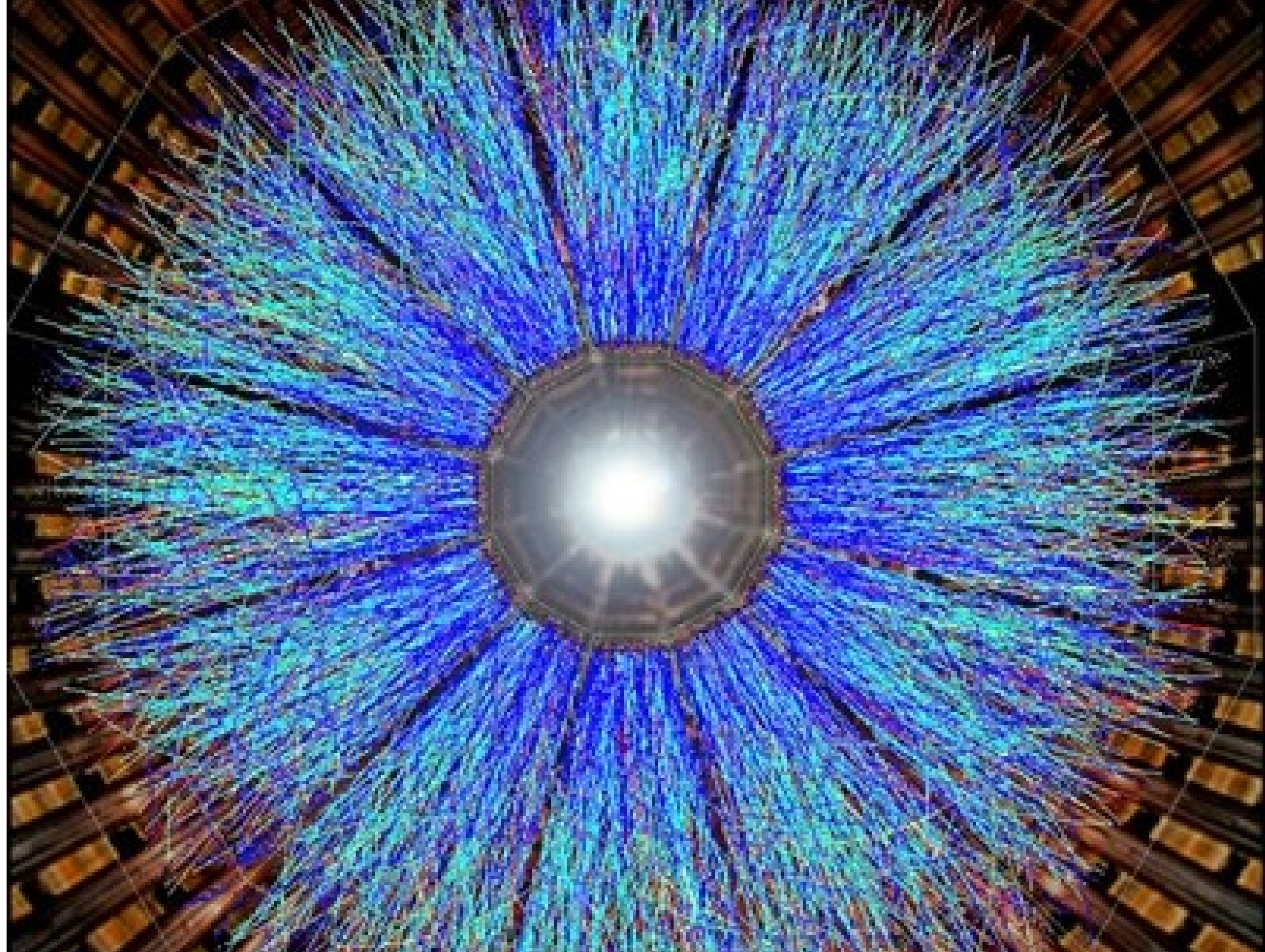
1. Lattice QCD & Functional methods @ $\mu > 0$
2. Collision Dynamics
3. QCD motivated Models
4. Astrophysics



TOPICS:

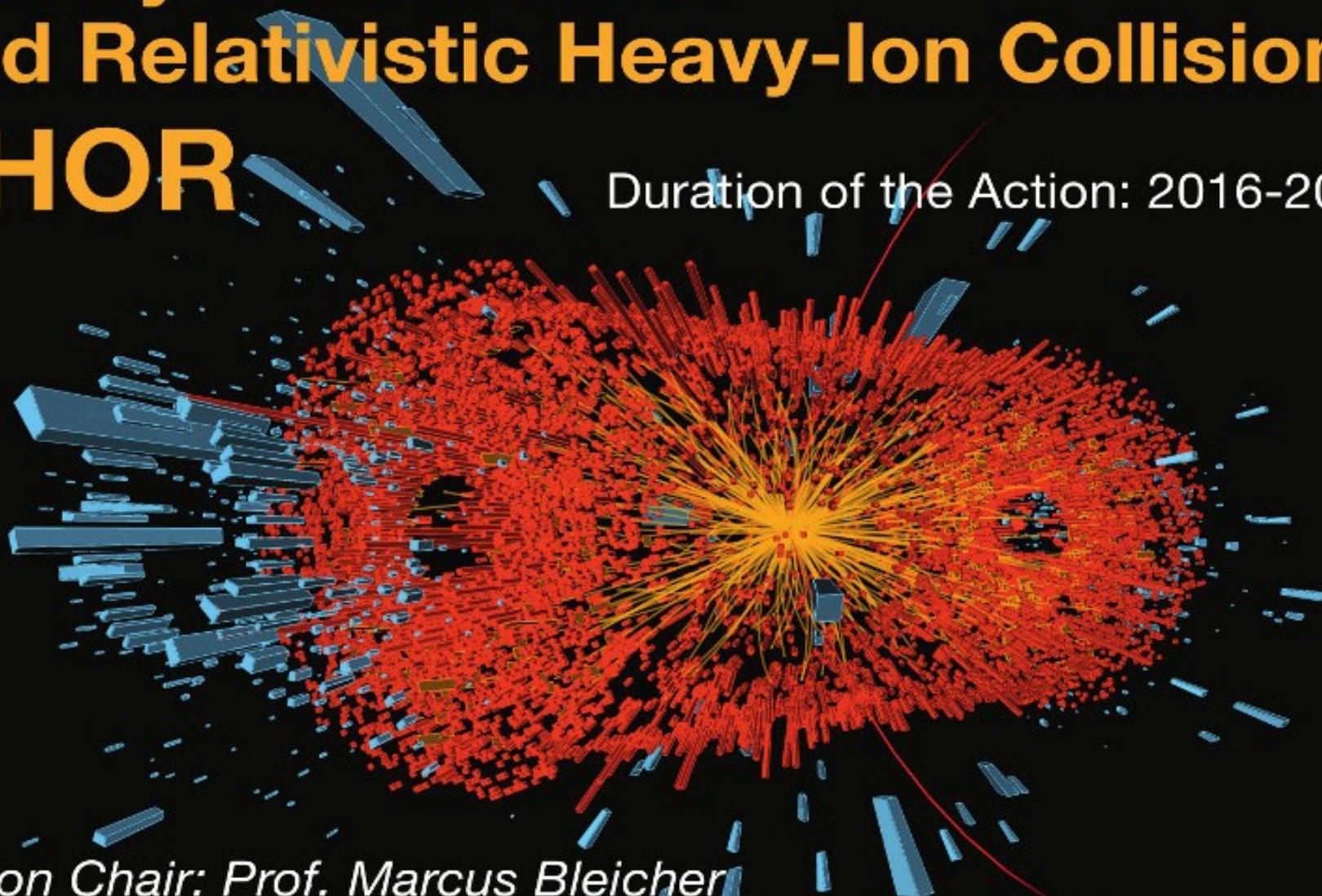
1. Lattice QCD & Functional methods @ $\mu > 0$
2. Collision Dynamics
3. QCD motivated Models
4. Astrophysics





Theory of Hot Matter and Relativistic Heavy-Ion Collisions **THOR**

Duration of the Action: 2016-2020



Action Chair: Prof. Marcus Bleicher
Action Vice Chair: Prof. Boris Tomášik

THOR creates a platform for the theoretical community in Europe as counterpart to the ongoing vigorous experimental activities.

THOR supports:

- meetings of working groups
- training schools for students
- short term exchange visits

The activity is organized in Working Groups

WG1: Phases of strongly interacting matter
Chair: Prof. Gert Aarts, Swansea, UK

WG2: Dynamics of strongly interacting matter
Chair: Prof. Joerg Aichelin, Nantes, FR

WG3: Initial state and hard probes
*Chair: Prof. Elena Ferreiro,
Santiago de Compostela, ES*

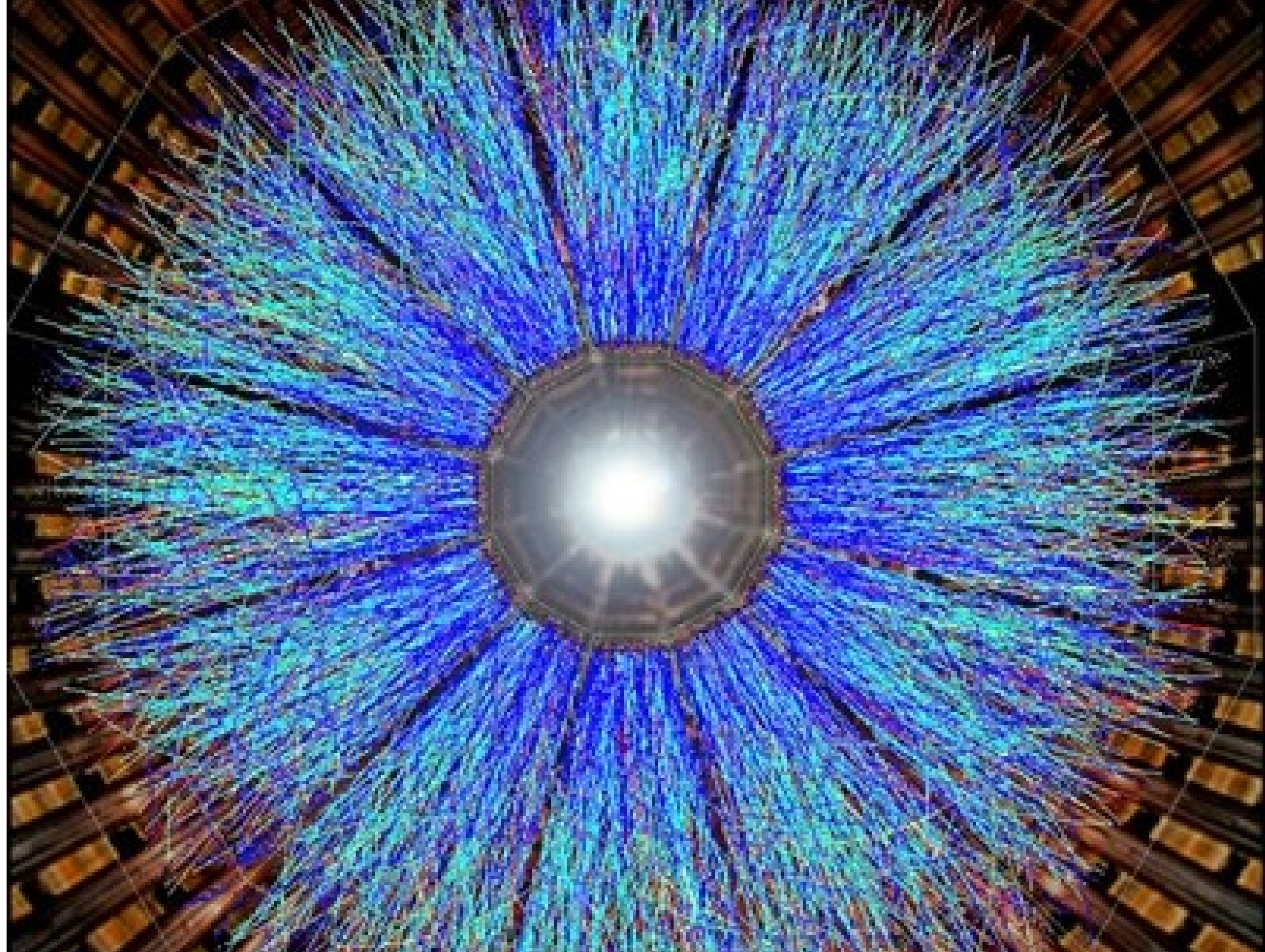
**Participation open
to scientists from (most)
European countries.**

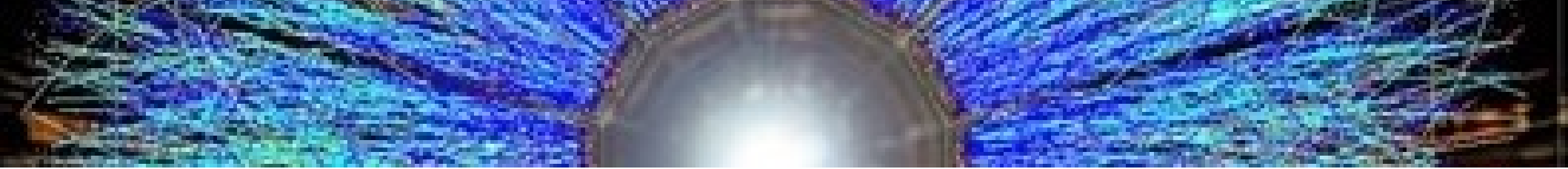
PLEASE JOIN!

**In order to register,
visit the website
<http://thor-cost.eu>**



COST is supported by
the EU Framework Programme
Horizon 2020

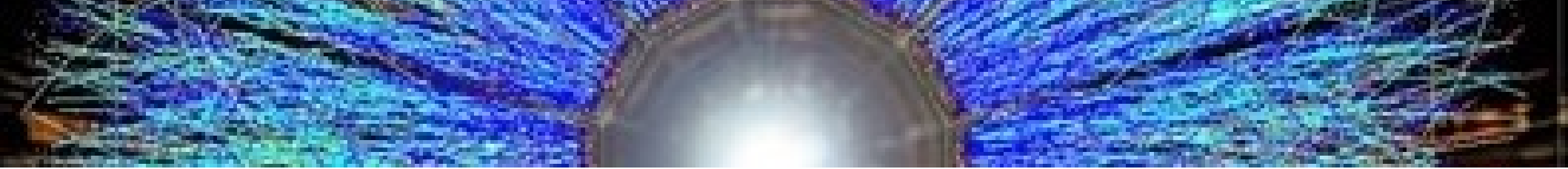




HISTORY:

- 1. Theory of hadronic matter under extreme conditions**
October 31 – November 3, 2016
- 2. Simulations of HIC for NICA energies**
April 10-12, 2017
- 3. Lattice and Functional Techniques for Exploration of Phase Structure and Transport Properties in QCD**
July 10-14, 2017
- 4. Compact Stars in the QCD Phase Diagram**
September 26-29, 2017





HISTORY:

- 1. Theory of hadronic matter under extreme conditions**
October 31 – November 3, 2016; September 16-19, 2019
- 2. Simulations of HIC for NICA energies**
April 10-12, 2017; April 16-18, 2018
- 3. Lattice and Functional Techniques for Exploration of Phase Structure and Transport Properties in QCD**
July 10-14, 2017; September 4-6, 2018
- 4. Compact Stars in the QCD Phase Diagram**
September 26-29, 2017





Selected Papers from “Theory of Hadronic Matter under Extreme Conditions”

Guest Editors:

Prof. Dr. David Blaschke
david.blaschke@gmail.com

Dr. Victor Braguta
braguta@mail.ru

Prof. Evgeni Kolomeitsev
Evgeny.Kolomeytsev@umb.sk

Dr. Sergei N. Nedelko
nedelko@theor.jinr.ru

Dr. Alexandra Friesen
avfriesen@theor.jinr.ru

Dr. Vladimir E. Voronin
voronin@theor.jinr.ru

Message from the Guest Editors

Dear colleagues,

We are happy to announce that *Particles* and the organizers of the conference “*The II International Workshop on Theory of Hadronic Matter under Extreme Conditions*” will collaborate to produce a Special Issue volume, for extended versions of selected papers from this conference (<https://indico.jinr.ru/event/834/overview>).

As the Guest Editors, we would like to invite you to submit your unpublished and original research relevant to this topic for publication in this special volume of *Particles*. All submissions will be peer reviewed by internationally recognized experts. The Article Processing Charge (APC) for submissions from the conference will be free of charge.



mdpi.com/si/30445

Special Issue



particles

an Open Access Journal by MDPI

Deadline for manuscript
submissions:
30 November 2019

Selected Papers from “Theory of Hadronic Matter under Extreme Conditions”

Guest Editors:

Prof. Dr. David Blaschke
david.blaschke@gmail.com

Dr. Victor Braguta
braguta@mail.ru

Prof. Evgeni Kolomeitsev
Evgeny.Kolomeytsev@umb.sk

Dr. Sergei N. Nedelko
nedelko@theor.jinr.ru

Dr. Alexandra Friesen
avfriesen@theor.jinr.ru

Dr. Vladimir E. Voronin
voronin@theor.jinr.ru

Message from the Guest Editors

Dear colleagues,

We are happy to announce that *Particles* and the organizers of the conference “*The II International Workshop on Theory of Hadronic Matter under Extreme Conditions*” will collaborate to produce a Special Issue volume, for extended versions of selected papers from this conference (<https://indico.jinr.ru/event/834/overview>).

As the Guest Editors, we would like to invite you to submit your unpublished and original research relevant to this topic for publication in this special volume of *Particles*. All submissions will be peer reviewed by internationally recognized experts. The Article Processing Charge (APC) for submissions from the conference will be free of charge.



mdpi.com/si/30445

Special Issue



The
II. International Workshop on
Theory of Hadronic Matter
Under Extreme Conditions
IS OPENED !

