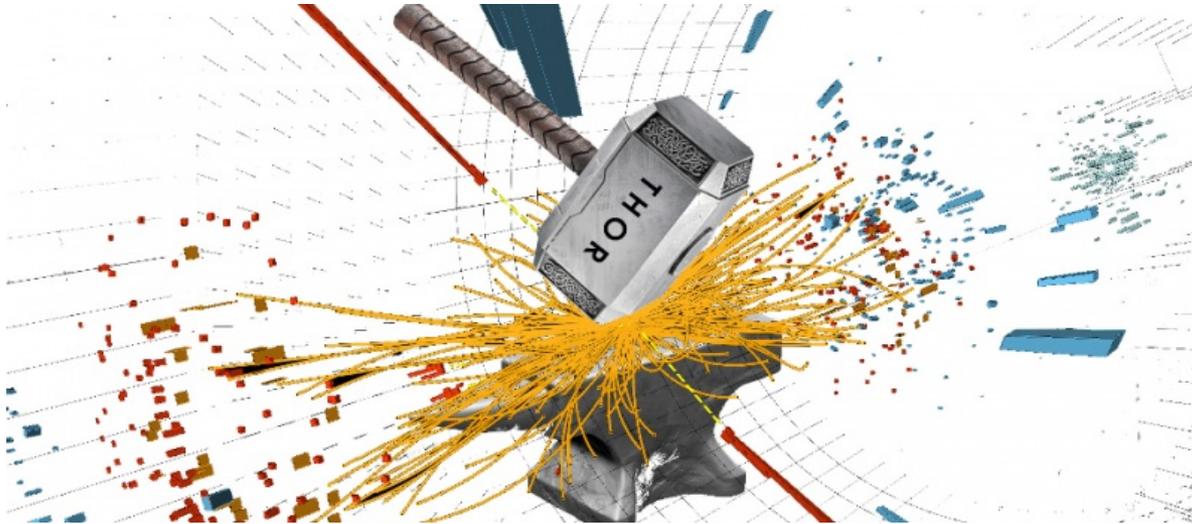




HADRONS UNDER EXTREME CONDITIONS



Swansea September 12-14 2017

COST Action “THOR”



“Theory of hot matter and relativistic heavy-ion collisions”

COST:

EU-funded programme to enable researchers to set up their interdisciplinary research networks in Europe and beyond

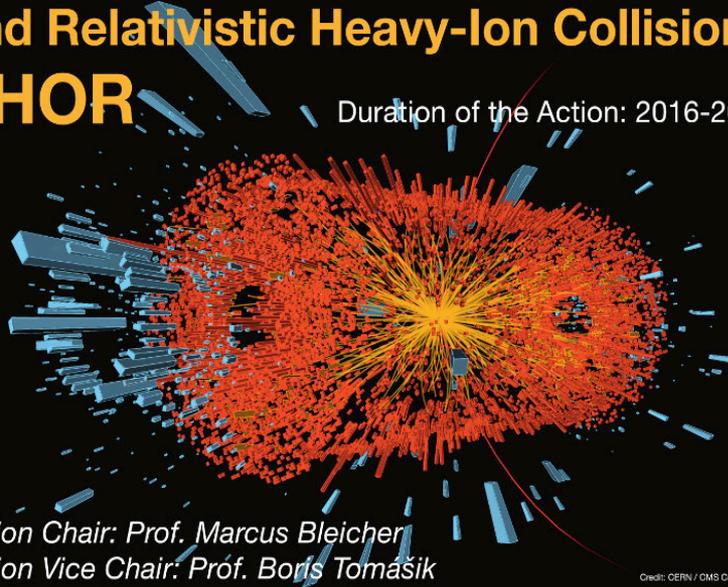
THOR runs from autumn 2016 to autumn 2020

- ❖ Working Group (WG) meetings
- ❖ Training Schools
- ❖ Short Term Scientific Missions (STSMs)

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

Credit: CERN / CMS Collaboration

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>



Management Committee:

Representatives from
each country

UK:

GA + Andreas Schmitt

+ a number of people
in this room for other
countries

COST Action “THOR”



Working Group meetings:

- WG1: this week in Swansea
- WG2/3: last week in Greece

Training Schools:

- 53rd Karpacz Winter School of Theoretical Physics
Feb 26- Mar 4 2017, Karpacz, Poland
- COST-Zimányi School for heavy ion physics
Dec 4-8 2017, Budapest, Hungary

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Short Term Scientific Missions (STSMs):

- Foster collaborations via individual research visits
- Visits last 5 to 90 calendar days
- Contribution to travel, accommodation and food

Several calls/year, with short turn-around time

Next deadline: September 15 2017

for period October 1 2017-April 30 2018

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- Sign up via website thor-cost.eu
- Receive email announcements, apply for STSMs
- Acknowledge support in publications, also for work emerging from this meeting (please):

“This work has been performed in the framework of COST
Action CA15213 THOR”



What happens to hadrons at nonzero temperature/density?

- Hadronic gas vs quark-gluon plasma
- Light vs heavy quarks
- Chiral symmetry, deconfinement
- Phenomenology
- Methods

Questions during and after talks

Afternoon discussion sessions, in larger/smaller groups



What happens to hadrons at nonzero temperature/density?

✧ Working group meeting

✧ Not a conference

Hence, feel free to
meet and work
in groups!

