

**In Dec 2019, the CRC-TR 211 will hold the first
lecture week for its young members!**



Venue

The lecture week will be at the "Tagungs- und Gästehaus im Bischöflichen Priesterseminar" in Limburg. The address is: Weilburger Str. 16, D-65549 Limburg.

More information can be found here:

<https://priesterseminar.bistumlimburg.de/beitrag/tagungs-und-gaestehaus-im-bischoefflichen-priesterseminar/>

Registration

Email [kweber\[at\]th.physik.uni-frankfurt.de](mailto:kweber@th.physik.uni-frankfurt.de) by 15 September at the latest, including your name, university, status, supervisor and title of the presentation.

Date

December 10-13, 2019

Topic

Lattice QCD and Dynamical models for Heavy Ion Physics

Lecturers

Elena Bratkovskaya (GSI & Frankfurt Univ.)

Olaf Kaczmarek (Bielefeld Univ.)

Wolfgang Unger (Bielefeld Univ.)

Coordinator

Kathrin Weber (CRC-TR 211)

Agenda (preliminary)

As the HGS-HIRE lecture weeks, the CRC-TR 211 lecture week is a cross-disciplinary event that covers experimental, theoretical and technical aspects of a particular research field together. This lecture week on Lattice QCD and Dynamical Models for Heavy-Ion Physics will focus on the physics of strongly interacting matter in and out of equilibrium. We will give an introduction to Lattice QCD that provides basic knowledge on the properties of the QGP in equilibrium as a function of temperature and finite baryon chemical potential. Such extreme

conditions can be realized in relativistic heavy-ion collision experiments, where the system is partially out of equilibrium due to the initial conditions and rapid expansion although the system is strongly interacting. We will introduce the models for the description of heavy-ion collision dynamics, which allows one to obtain information about the properties of the hadronic and partonic medium.

The lectures will be given by established scientists from the field who are extremely knowledgeable and experienced with the topics. Students from the CRC-TR 211 who are interested in Lattice QCD and Dynamical Models for Heavy-Ion Physics are very welcome to attend this lecture week. Note that the lectures will be introductory for students who are not working in the respective fields.

The students will participate in group work and give a presentation in the participant talks session. Each participant will contribute a presentation. The presentation will not be on the participant's own scientific work but on the work of one of the other participants. The contribution pairs will be chosen by the lecturers and communicated after the registration deadline. A laptop and projector will be available. In addition, flip charts can be used. Presentation time will be around 15 minutes including discussion.

For registration please send a brief email to [kweber\[at\]th.physik.uni-frankfurt.de](mailto:kweber@th.physik.uni-frankfurt.de) by 15 September at the latest including your name, university, status, supervisor and title of the presentation.

	Tuesday December 10	Wednesday December 11	Thursday December 12	Friday December 13
07:30-09:00	Individual Travel Arrival / Welcome	Breakfast	Breakfast	Breakfast
09:00-10:30		Lecture (HIC1)	Lecture (HIC2)	Lecture (StrongCoupling2)
10:30-11:00		Break	Break	Break
11:00-12:30		Lecture (Lattice2)	Lecture (StrongCoupling1)	Participant Talks / Wrap-up
12:30-14:00	Lunch	Lunch	Lunch	Lunch
14:00-15:30	Introduction / Lecture (Lattice1)	Participant Talks	Participant Talks	Wrap-up / Feedback Session
15:30-16:00	Break	Break	Break	Individual Travel
16:00-18:00	Group Work* / Wrap-up	Group Work / Wrap-up	Participant Talks / Wrap-up	
18:00-19:00	Dinner	Social Activity	Dinner	
19:00-19:30	Open Questions		Open Questions	

* Preparation of Participant Talks

Practical Information

Begin/End

The scientific program of the lecture week starts with a joint lunch on Tuesday at 12:30. Please arrive on time. The lecture week will close on Friday afternoon around 15:30.

Late arrivals

If you will arrive late, please contact the coordinator in advance.

Travel

Please arrange for individual travel to the location. We encourage you to use public transport or car pools.

Accommodation

Accommodation is mostly in single bed rooms.

Food

Special food requirements (vegetarian, other) should be communicated to the coordinator in advance.

Full board is included in the lecture week (except for dinner on Wednesday during the Social event – visiting a Christmas Market in Limburg).

What to bring

Clothing: The lecture week will be very informal, so only casual attire is necessary.

Internet: Wireless internet access is available. Please bring your own laptop.

Expenses

All basic expenses are covered. You only have to pay for local expenses (drinks etc.). All meals are included (except the dinner on Wednesday!).

Insurance

Though this trip will not generate any costs for your supervisor or group, please do not forget to file a trip request so you are covered by insurance during the lecture week. Please ask the secretary of your official supervisor at the university for the appropriate form.

Participants (max. 20)

For privacy reasons we will not display the list of participants.