

Agenda

All talks include a 5 minute discussion period at the end of each talk.

First day

7:30-8:30 *Breakfast*

Setting the stage

9:00	Gert Aarts	Swansea U.	Introduction
9:15	Andre Mischke	Utrecht U.	Experimental overview: Heavy quarks at the LHC
10:00	Carleton deTar	Utah U.	Spectroscopy at $T = 0$
10:30	Jonivar Skullerud	NUI Maynooth	Spectroscopy at $T > 0$

11:00 *Coffee/Tea*

Topical session: charm and bottom at $T > 0$

11:30	Seyong Kim	Sejong U.	Non-relativistic QCD at $T > 0$
11:50	Olaf Kaczmarek	Bielefeld U.	Heavy quark diffusion
12:10	Harvey Meyer	Mainz U.	Real-time dynamics and screening
12:30	End of morning session		

12:45 *Lunch*

Effective field theory: analytical approaches

14:00	Miguel Escobedo	Saclay	EFTs at $T > 0$
14:30	Mikko Laine	Bern U.	Charm quark equilibration in hot QCD
15:00	Joan Soto	Barcelona U.	Heavy quarks moving in a heatbath
15:20	Yannis Burnier	Lausanne U.	Heavy quark spectral functions at high T

15:40 *Tea/Coffee*

Advanced spectroscopic methods

16:10	Chris Allton	Swansea U.	Maximum Entropy Method
16:30	Alexander Rothkopf	Heidelberg U.	Beyond Maximum Entropy

Panel discussion

16:50	Effective field theories and advanced lattice spectroscopy: what can be learnt		
18:00	End of discussion		

18:30 *Dinner*

Second day

7:30-8:30 *Breakfast*

Heavy quark phenomenology

9:00	Christine Davies	Glasgow U.	Bridging the gap between c and b quarks
9:30	Oliver Witzel	Edinburgh U.	Heavy quarks in the RBC/UKQCD lattice phenomenology programme
10:00	Ron Horgan	Cambridge U.	Lattice heavy quark EFTs
10:30	Sinead Ryan	Trinity College	Excited-state spectroscopy with charm

11:00 *Coffee/Tea*

Topical session: charm and bottom at $T = 0$

11:30	Sasa Prelovsek	U. of Ljubljana	Charmed states from lattice QCD
11:50	Christopher Thomas	Cambridge U.	Excited heavy hadrons from lattice QCD
12:10	Matt Wingate	Cambridge U.	Lattice QCD results for b hadron decays
12:30	End of morning session		

12:45 *Lunch*

Roundtable discussion

14:00 Heavy quarks at $T = 0$ and $T > 0$: Establishing a common platform for quantitative predictions

15:15 *Tea/Coffee*

16:00 Departure

The aim for the **panel discussion** is to establish what can be learnt from analytical effective field theory approaches in the context of numerical calculations on the lattice, i.e. which quantities can and should be computed and how reliably can they be extracted?

The aim for the **round table discussion** is to connect heavy quark physics at zero and nonzero temperature. In particular, at $T = 0$ there is a broad expertise in applying highly-improved methods for a wide variety of quantities, while at $T > 0$ the status is much more exploratory. In the discussion session, we aim to establish which methods at $T = 0$ can and should be adapted to the high-temperature case.