

The 2017 ICNT Program at FRIB:

Extracting Bulk Properties of Neutron-Rich Matter with Transport Models in Bayesian Perspective

FRIB-MSU, East Lansing, Michigan, USA

March 22 - April 12, 2017

The allocated time in parenthesis includes discussion.

Week 3

Monday, Apr 03 (RM 1200 until 12:00; 1221A&B)

Bayesian Tutorial + Possible Future Activity

Chair: Scott Pratt

09:00-09:30 (30 min)

Michael Grosskopf

What, why, and how of Bayesian Inference for physical sciences

09:30-10:00 (30 min)

Pawel Danielewicz

Bayesian Inference for Symmetry Energy

10:00-10:30 (30 min)

Scott Pratt

discussions

— 10:30-11:00 coffee break —

11:00-12:00 (60 min)

Joseph Kapusta

Fluctuating Hydrodynamics for High-Energy Heavy-Ion Collisions (special theory seminar)

— 12:00-13:30 lunch (on your own) —

13:30-14:00 (30 min)

Hossein Mahzoon

Correlations in non-equilibrium Greens function method

14:00-14:30 (30 min)

Genie Jhang

Bayesian analysis on HIC

14:30-15:00 (30 min)

Scott Pratt & Pawel Danielewicz

free discussion on Bayesian action plans

— 15:00-15:30 coffee break —

15:30-17:30 (120 min)
free discussion on Bayesian action plans

— 17:30-18:30 free time —

— 18:30-20:30 social activities at Scott Pratt's place —

Tuesday, Apr 04 (RM 1200 until 10:30; RM 1221A&B)

Microscopic Interactions + Bayesian Discussions

Chair: Jeremy Holt

09:00-09:30 (30 min)

Yeunhwan Lim

Neutron star crusts from mean field models constrained by chiral EFT

09:30-10:00 (30 min)

Ingo Tews

Quantum Monte Carlo calculations of the equation of state with chiral EFT interactions

— 10:00-10:30 free time —

— 10:30-11:00 coffee break —

11:00-12:00 (60 min)

Jeremy Holt, Morten Hjorth-Jensen

Discussions / Summary write up microscopic interactions

— 12:00-13:30 lunch (on your own) —

13:30-14:30 (60 min)

Scott Pratt, Pawel Danielewicz, Michael Grosskopf

Bayesian discussions

— 14:30-15:00 coffee break —

15:00-16:30 (90 min)

Scott Pratt

Summary of Bayesian Discussions

Wednesday, Apr 05 (RM 1200 until 11:30; RM 1221A&B)

Transport Applications

Chair: Jorge Piekarewicz

09:00-09:30 (30 min)

Sophia Han

Thermal states of transiently accreting neutron stars in quiescence

09:30-10:00 (30 min)

Christian Drischler

Applications of chiral nuclear forces up to N³LO to nuclear matter and neutron stars

— 10:00-10:30 coffee break —

10:30-11:00 (30 min)

Corbinian Wellenhofer

Isospin-asymmetry dependence of the thermodynamic nuclear equation of state

11:00-11:30 (30 min)

Rui Wang

Skyrme pseudo-potential in heavy-ion collisions

11:30-12:00 (30 min)

Morten Hjorth-Jensen

Discussions/Summary write up

— 12:00-13:30 lunch (on your own) —

— 13:30-14:30 Writing Group Meeting —

— 14:30-15:00 coffee break —

— 15:00-16:30 free time —

Thursday, Apr 06 (RM 1200 until 10:30; RM 1221A&B)

Discussions

09:00-09:30 (30 min)

Jorge Piekarewicz

Density functional theory meets Bayesian neural networks

09:30-10:00 (30 min)

Andrew Steiner

Bayesian Approach in Astrophysics

10:00-10:30 (30 min)

Scott Pratt

Summary of Bayesian Discussions

— 10:30-11:00 coffee break —

11:00-12:00 (60 min)

Andrew Steiner, Betty Tsang

JINA EOS working group discussions (Zoom at RM2025)

— 12:00-13:30 lunch (on your own) —

Chair: Zbigniew Chajecki

13:30-14:00 (30 min)

Jack Winkebauer

Isospin Diffusion in Heavy Ion Collisions

— 14:00-14:30 free time —

— 14:30-15:00 coffee break —

15:00-16:00 (60 min)

Hermann Wolter

discussions on Box Homework 1

16:00-16:30 (30 min)

Akira Ono

discussions on Box Homework 3

— 16:30-18:30 free time —

— 18:30-20:00 group dinner —

Friday, Apr 07 (RM 1200 until 12:00; RM 1221A&B)

Astrophysics + EOS from Transport

Chair: Yingxun Zhang

09:30-10:00 (30 min)

Francesca Gulminelli

nuclear physics inputs in supernova collapse / extracting empirical EoS parameters from nuclear data

10:00-10:30 (30 min)

Madappa Prakash

Thermal and non-thermal effects in nuclear matter

— 10:30-11:00 coffee break —

11:00-11:30 (30 min)

Andre da Silva Schneider

Implementation of EOS for astrophysics

11:30-12:00 (30 min)

discussions

— 12:00-13:30 lunch (on your own) —

13:30-14:30 (60 min)

Andrew Steiner

Action plans and Summary write up for EOS in Astrophysics

14:30-15:30 (60 min)

Morten Hjorth-Jensen

Action plans and Summary write up for microscopic models in transport models

— 15:30-16:00 coffee break —

16:00-17:00 (60 min)

Scott Pratt

Action plans and Summary write up for Bayesian

Saturday, Apr 08

Astrophysics + EOS from Transport

09:00-12:00 (180 min)

Andrew Steiner

Discussions (need arrangement for access)

— 12:00-13:00 lunch (on your own) —

13:00-16:00 (180 min)

discussions (need arrangement for access)

Sunday, Apr 09

Discussions

13:00-16:00 (180 min)

discussions (need arrangement for access)

Updated on 04/12/17 21:55:33 EDT.