

Program for "JH-meeting on stellar populations, gravitational dynamics and MOND-based cosmology" at the Florian Palace in Jindrichuv Hradec; Nov., 23.-26, 2022

Wednesday 23.11.: arrival from Prague by train.

20:00 dinner/večeře 20 persons/osob: Černej pták <https://cernejptak.cz/>

Thursday 24.11.: **Star clusters**

09:00 Frantisek Dinnbier: "Estimating the age of open star clusters from properties of their tidal tails"

09:40 Joerg Dabringhausen: "BiPoS - a computer program for binary evolution"

10:20 Myank Singhal: "Co-evolution of four body systems"

11:00 Coffee

11:30 Henriette Wirth: "The explosive world of young globular clusters"

12:10 Wenjie Wu: "Conditions for and features of dark star clusters"

12:50 Lunch/obědy 20 persons/osob: střelnice: <https://strelnicejh.cz/>

14:20 Daniella Korcakova: "FS CMa stars - overlooked channel of mergers"

15:00 Nela Dvorakova: "FS CMa stars from the perspective of merger dynamics"

(15:40 Walkabout historical JH)

17:00 Honza Pokorny: "From water blooms in lake Vajgar to management of its catchment, water cycle, role of forest and climate change and the role of water and biota on Earth's climate"

19:00 Dinner/večeře 20 persons/osob: Bílá paní <https://www.hotelbilapani.cz/cs/>

Friday 25.11.: **Galaxies, Milgromian gravitation and cosmology**

09:00 Amel Durakovic: "Galaxy clusters in a new relativistic theory of MOND: preliminary results"

09:40 Nick Samaras: "Initial Conditions for MoND Cosmological Simulations"

10:20 Nils Wittenburg: "Hydrodynamical cosmological simulations in MOND"

11:00 *Coffee*

11:30 Pavel Kroupa: "The Bohemian model of cosmology"

12:10 Ingo Thies: "Cosmological simulations in the Bohemian-Milgromian context"

12:50 *Lunch/obědy 20 persons/osob: střelnice: <https://strelnicejh.cz/>*

14:20 Robin Eappen: "The formation of elliptical galaxies in MOND"

15:00 Elena Asencio: "Do the orbital poles of the Milky Way streams point to a past Milky Way-Andromeda interaction?"

15:40 Moritz Haslbauer: "The effect of the environment dependent stellar initial mass function on the main sequence of star-forming galaxies and baryonic Tully-Fisher relation"

16:20 Santana Mansfield: "The convective kissing instability at the M-dwarf gap"

17:00 Moritz Haslbauer : Discussion on IGIMF and Madau plot.

19:00 Ceremonial Awards of Crystal Roses by the town Jindrichuv Hradec in *třelnice*

21:00 Dinner/večeře 20 persons/osob: Bílá paní <https://www.hotelbilapani.cz/cs/>

Saturday 26.11.: Another tour through JH, and leave Jindrichuv Hradec for Prague by train

21:00 Dinner/večeře 10 persons/osob: Cafe Slavia

The conference was supported by the Astronomical Institute of Charles University (AUUK), by the Mathematics and Physics Faculty of Charles University (MFF) and by the DAAD Bonn-Prague Exchange Programme.

Participants:

Ali Alzaidi (Leipzig)

Elena Asencio (Bonn)

Iris Bermejo Lozano (Prague)

Joerg Dabringhausen (Prague)

Frantisek Dinnbier (Prague)

Amel Durakovic (Prague)

Nela Dvorakova (Prague)

Robin Eappen (Prague)

Moritz Haslbauer (Bonn, ESO)

Daniella Korcakova (Prague - SOC)

Pavel Kroupa (Bonn/Prague - ORG)

Santana Mansfield (Bonn)

Myank Singhal (Prague)

Honza Pokorny (Jindrichuv Hradec)

Vajiheh Sabzali (Prague)

Nick Samaras +1 (Prague)

Ingo Thies (Bonn)

Henriette Wirth (Prague - SOC)

Nils Wittenburg (Bonn)

Wenji Wu (Bonn)



The lectures in Hotel Florian Palace.



Lunch in Strelnice.



The conference participants in the main courtyard of the castle. For names see next photo.



In front of Bila Pani. From left to right: Robin Eappen, Henri Wirth, Ingo Thies, Pavel Kroupa, Nils Wittenburg, Vajih Sabzali, Franta Dinnbier, Nela Dvorakova, Moritz Haslbauer, Myank Singhal, Nick Samaras, Dana Korcakova, Joerg Dabringhausen, Amel Durakovic, Iris Bermejo Lozano, Santana Mansfield, Wenjie Wu, Elena Asencio, Ali Alzaidi



Dinner in Bila Pani.



Farewell from JH.



Back in Prague: before dinner at Cafe Slavia, waiting for the Gluehwine at the Xmas market next to Tycho Brahe's tomb.

From left to right: Santana Mansfield, Wenjie Wu, Ingo Thies, Nils Wittenburg, Moritz Haslbauer