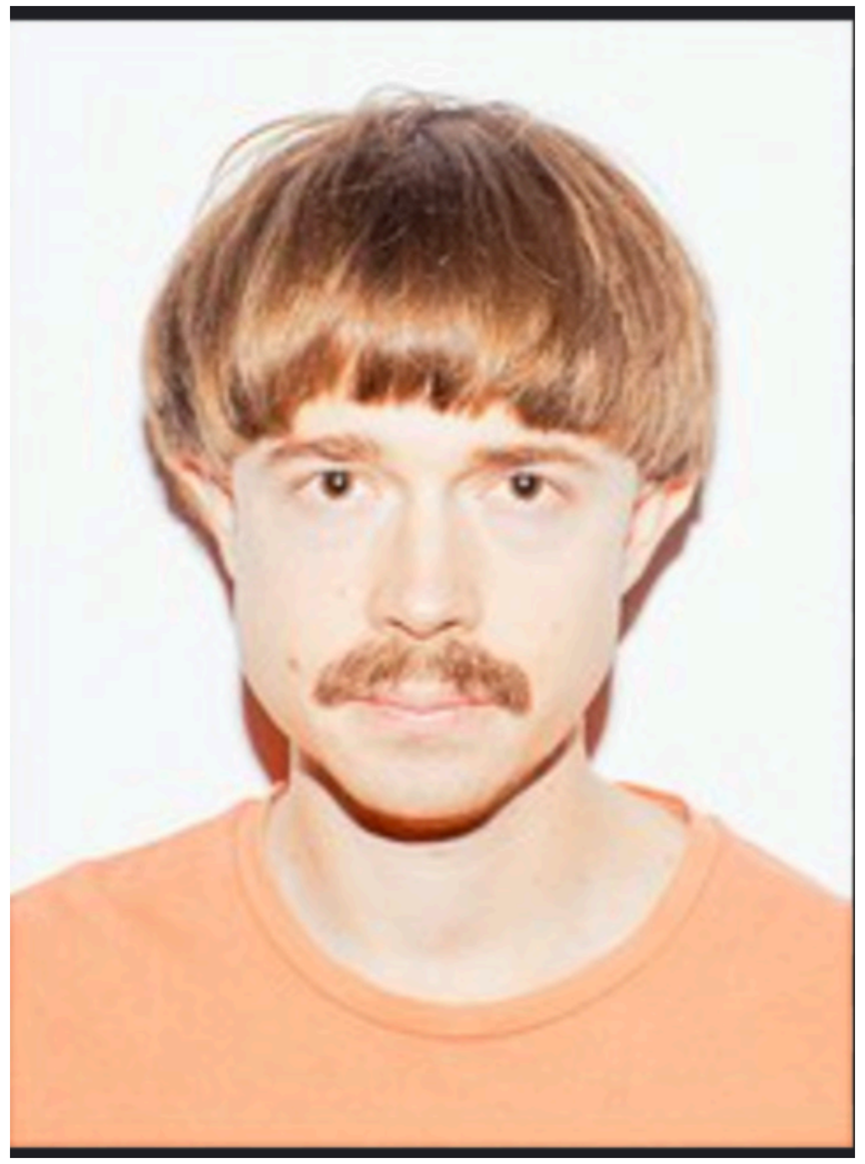
4th EuCAPT Symposium

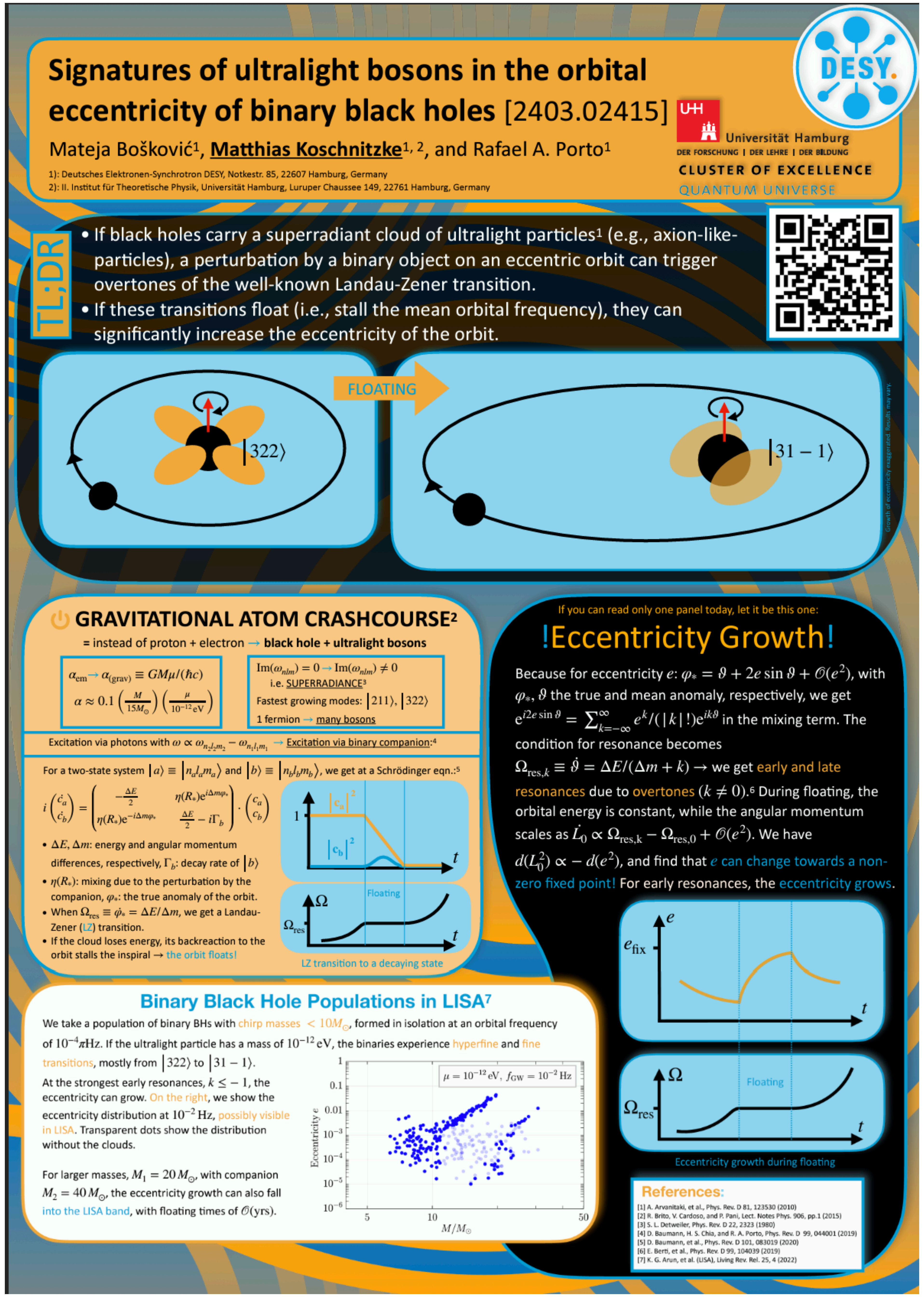
Poster and Lightning talk Prizes

Posters

37 posters, all in person

17





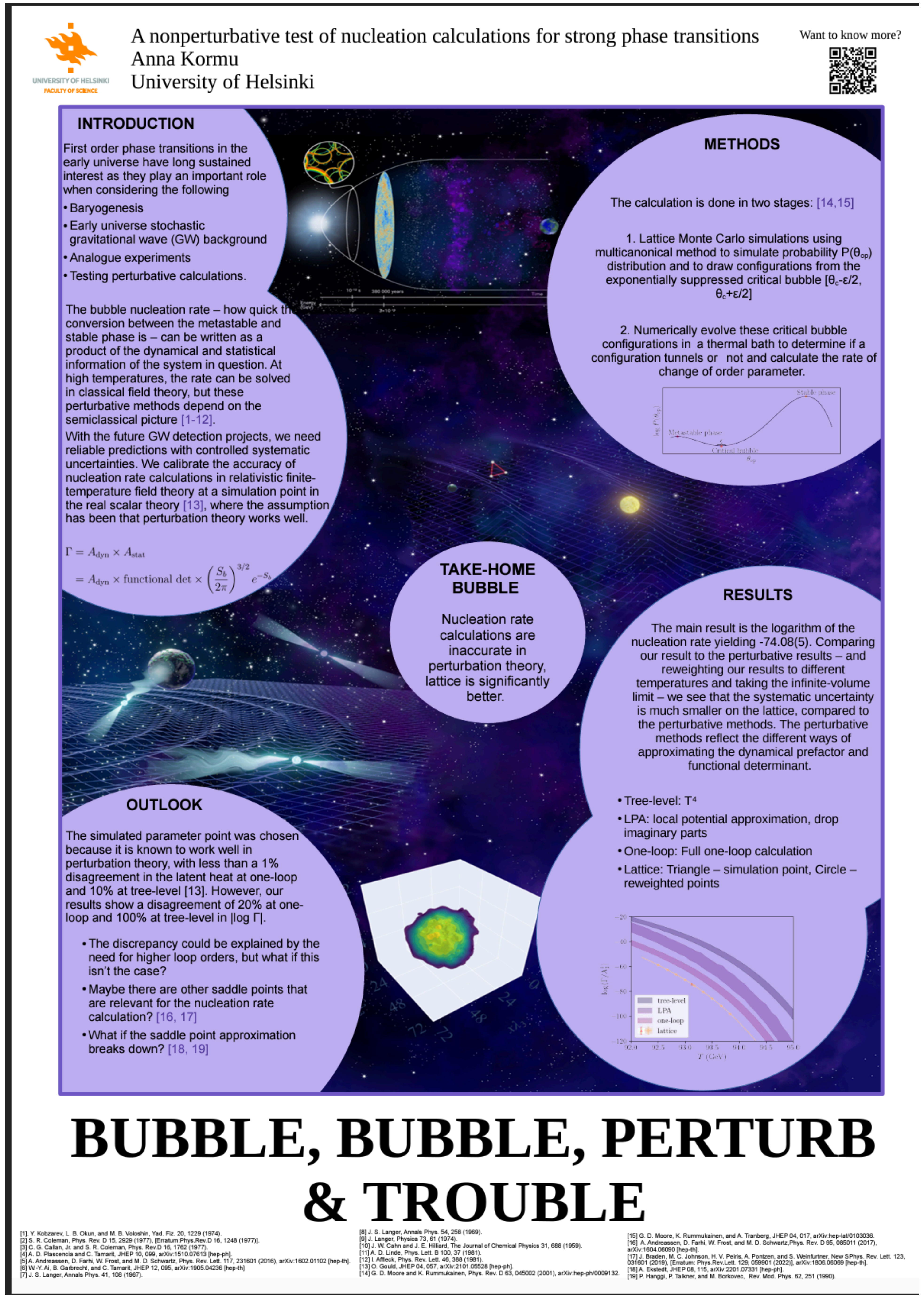
Matthias Koschnitzke
(University of Hamburg/DESY)

Signatures of ultralight bosons in the orbital eccentricity of binary black holes

23

Anna Kormu
(University of Helsinki)

A non perturbative test of nucleation calculations for strong phase transitions



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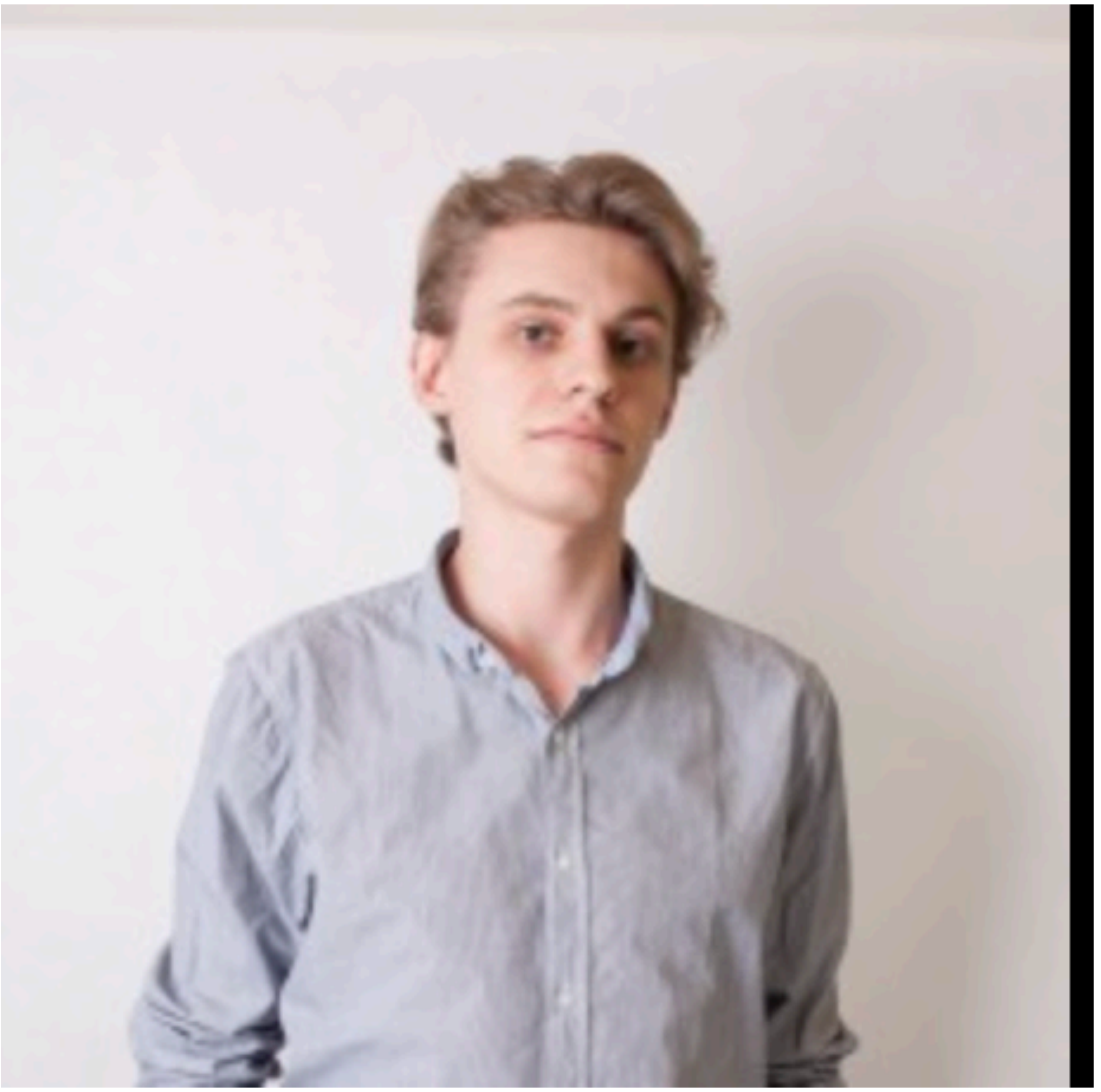
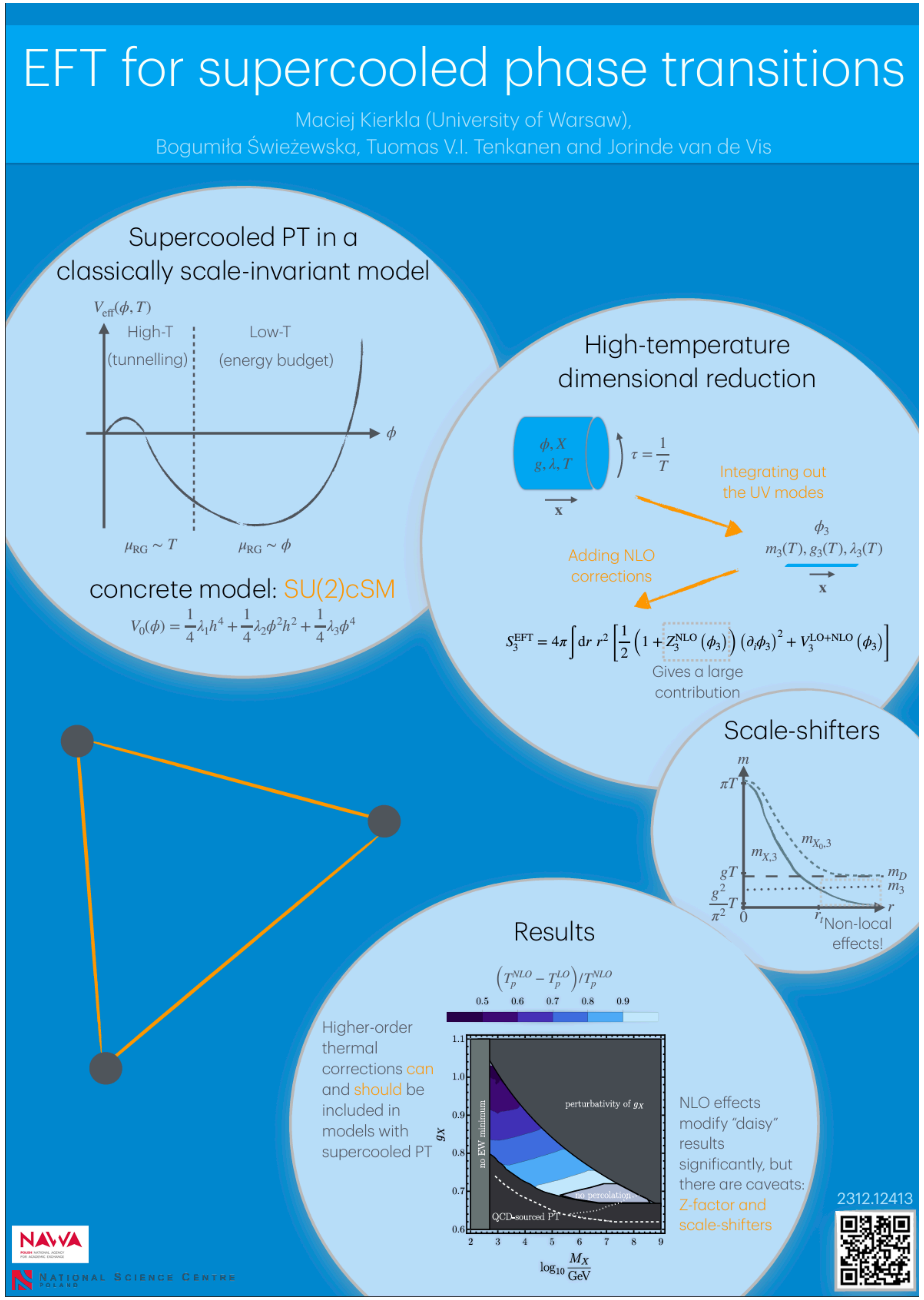


Marciej Kierkla
(University of Warsaw)

EFT for supercooled phase transitions in the early Universe



Lightning Talks

30 Lightning Talks!

Timekeepers of the Universe: The recent gravitational wave observation and Primordial black holes
Antonio Junior Iovino

High Frequency Gravitational Wave Bounds from Galactic Neutron Stars — *Virgile Dandoy*
500/1-001 - Main Auditorium, CERN — 11:54 - 11:59

12:00

Signatures of ultralight bosons in the orbital eccentricity of binary black holes — *Matthias Koschnitzke*

A model-independent test of gravity from the Weyl potential evolution — *Nastassia Grimm*
500/1-001 - Main Auditorium, CERN — 11:47 - 11:52

Cosmology from ACT DR6 lensing cross-correlated with DES Y3 galaxies — *Omar Darwish*
500/1-001 - Main Auditorium, CERN — 11:54 - 11:59

12:00

Probing the LCDM Universe with 21cm intensity mapping surveys — *Maria Berti*
500/1-001 - Main Auditorium, CERN — 12:01 - 12:06

The Hitchhiker's Guide to the Galaxy (peculiar velocities) — *Francesco Sorrenti*
500/1-001 - Main Auditorium, CERN — 12:08 - 12:13

X-rays constraints on sub-GeV Dark Matter — *Jordan Koechler*
500/1-001 - Main Auditorium, CERN — 16:17 - 16:

Riding the dark matter wave: Novel limits on general dark photons from LISA Pathfinder — *Jonas Frerick*
500/1-001 - Main Auditorium, CERN — 16:24 - 16

Global Fits of sub-GeV Dark Matter — *Taylor Gray*
500/1-001 - Main Auditorium, CERN — 16:31 - 16

Burst Signals from Axion String Travelling Wave Collisions — *Amelia Drew*
500/1-001 - Main Auditorium, CERN — 16:38 - 16

Dynamical contraints on PBH clusters — *Francesca Scarcella*
500/1-001 - Main Auditorium, CERN — 16:45 - 16

EFT approach to sterile neutrino dark matter — *Stefan Sandner*
500/1-001 - Main Auditorium, CERN — 16:52 - 16:

17:00

One-loop power spectrum in ultra slow-roll inflation and implications for primordial black hole dark matter
s Gambin Egea

xreaction of axion-SU(2) dynamics during inflation — *Oksana Iarygina*
1-001 - Main Auditorium, CERN — 11:54 - 11:59

e-invariant inflation — *Chiara Cecchini*
1-001 - Main Auditorium, CERN — 12:01 - 12:06

k holes and gravitational waves from slow phase transitions — *Piotr Toczek*
1-001 - Main Auditorium, CERN — 12:08 - 12:13

Leptogenesis: A naturalness-motivated solution to baryon asymmetry — *Ansh Bhatnagar*
1-001 - Main Auditorium, CERN — 12:15 - 12:20

spectral distortions from dark sector anisotropies — *Nicklas Ramberg*
1-001 - Main Auditorium, CERN — 12:22 - 12:27

Status of Direct Determination of Solar Neutrino Fluxes after Borexino — *Joao Paulo Pinheiro*
500/1-001 - Main Auditorium, CERN — 16:15 - 16:20

White dwarf cooling through neutrinos and L_mu - L_tau — *Jaime Hoefken Zink*
500/1-001 - Main Auditorium, CERN — 16:22 - 16:27

Stochastic modelling of cosmic ray sources sped up — *Anton Stall*
500/1-001 - Main Auditorium, CERN — 16:29 - 16:34

Constraints on the Cosmic Neutrino Background from NGC1068 — *Jack Franklin*
500/1-001 - Main Auditorium, CERN — 16:35 - 16:40

New bounds on monopole abundance from cosmic magnetic fields — *Daniele Perri*
500/1-001 - Main Auditorium, CERN — 16:43 - 16:48

Fast particle acceleration in 3D hybrid simulations of quasi-perpendicular shocks — *Luca Orusa*
500/1-001 - Main Auditorium, CERN — 16:50 - 16:55

Lightning Talks, who voted?

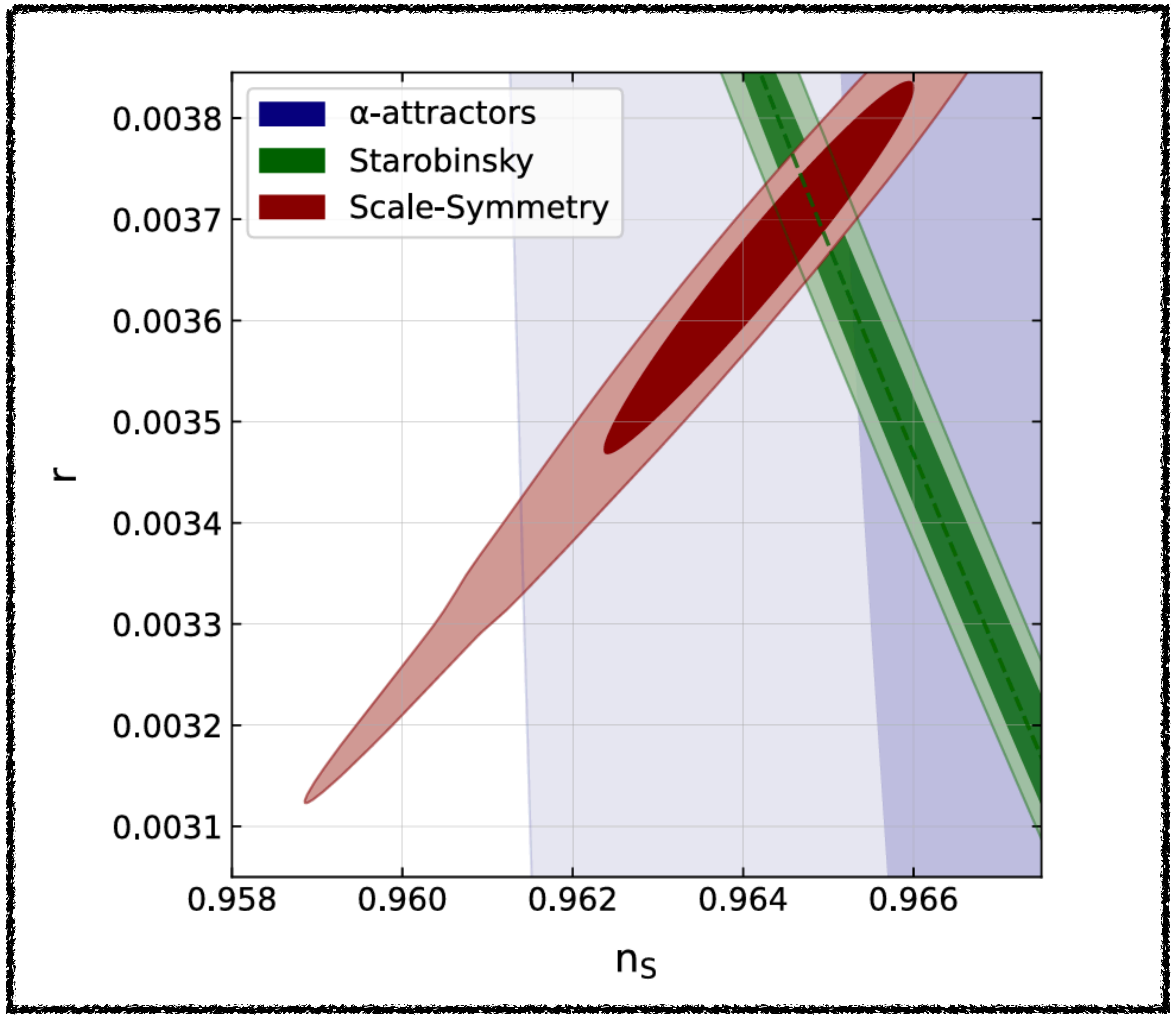
- EuCAPT Steering committee

- EuCAPT local organizing committee

Chiara Cecchini

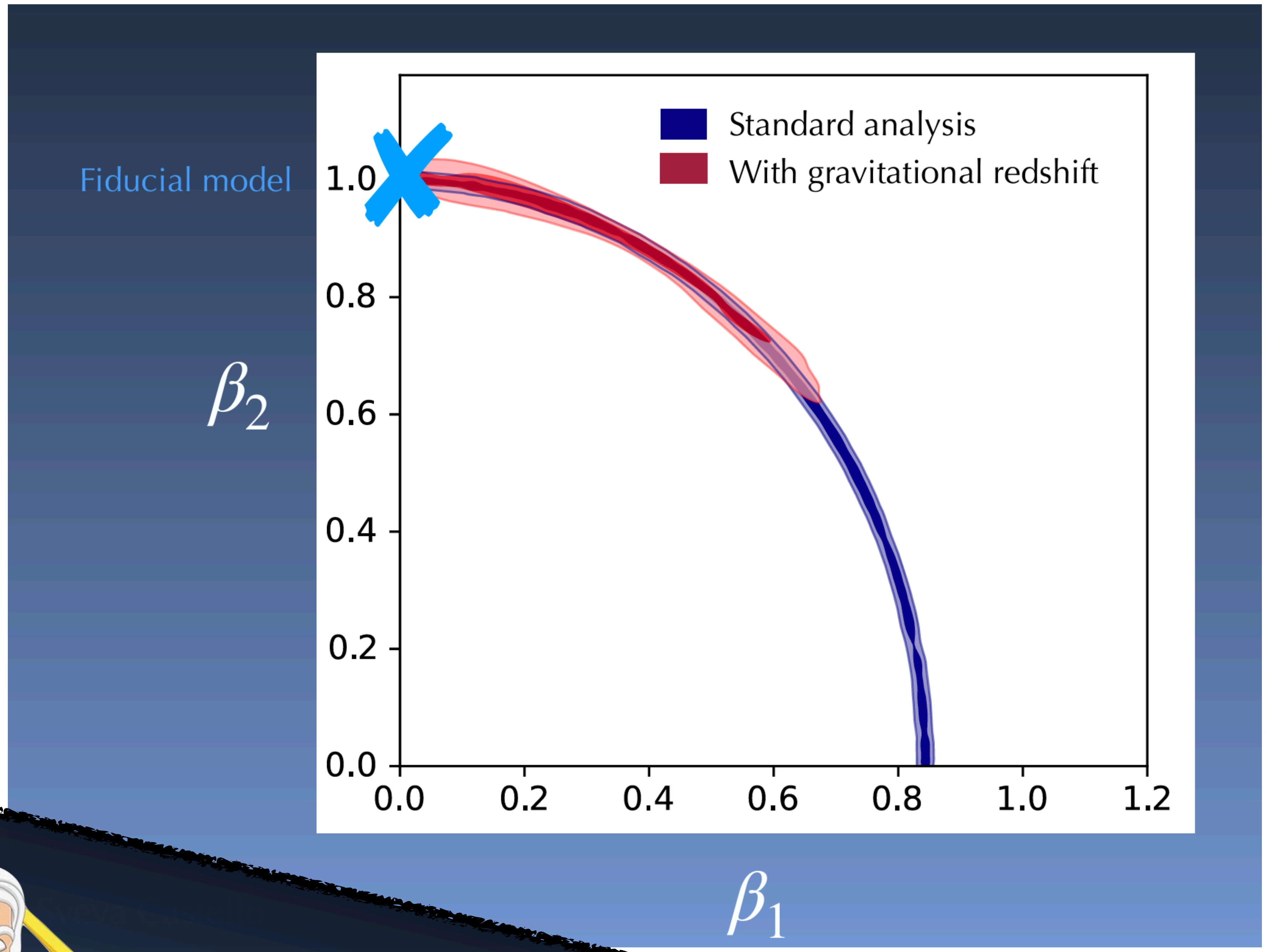
(University of Trento)

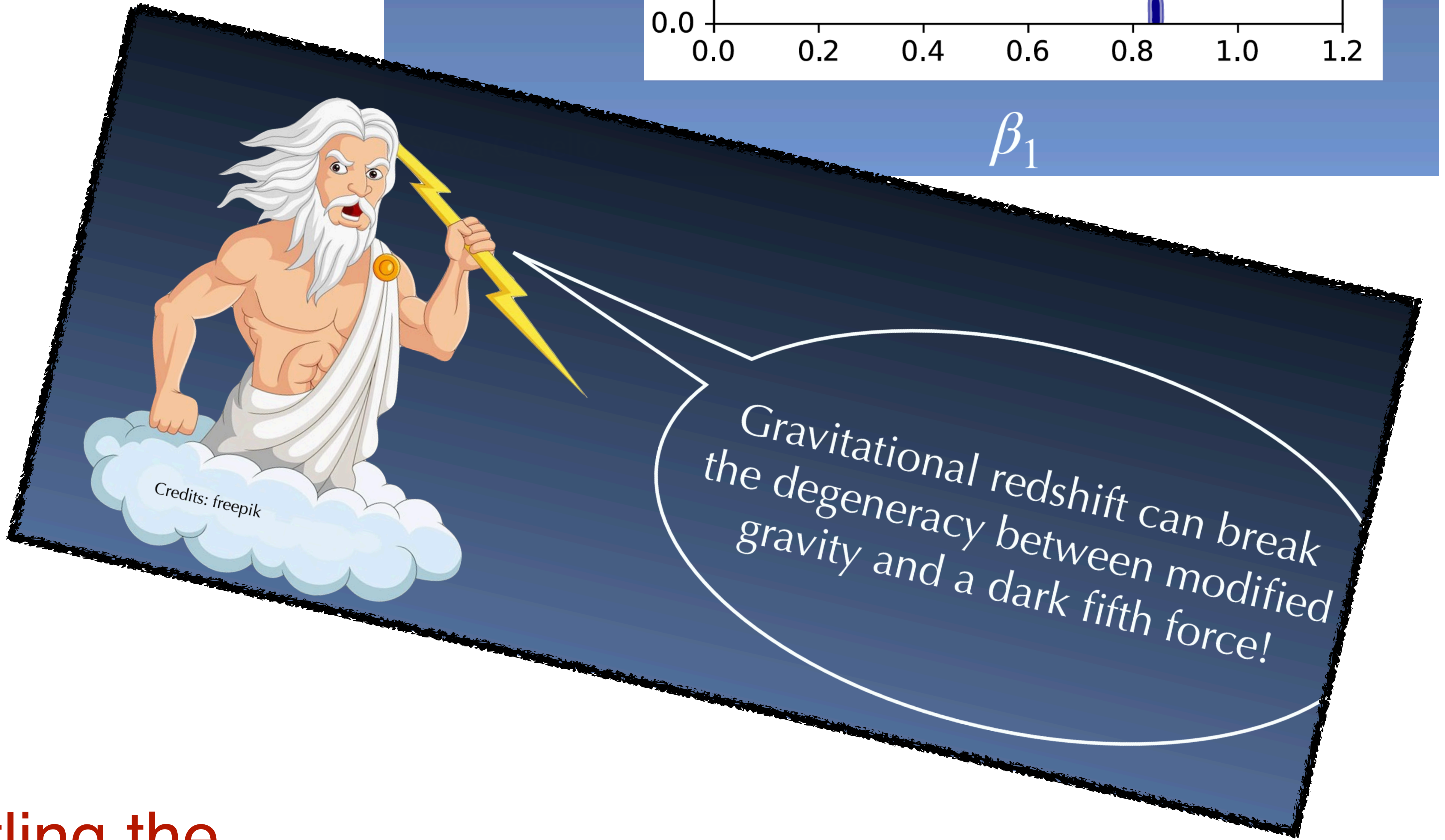
Scale-invariant inflation



Sveva Castello

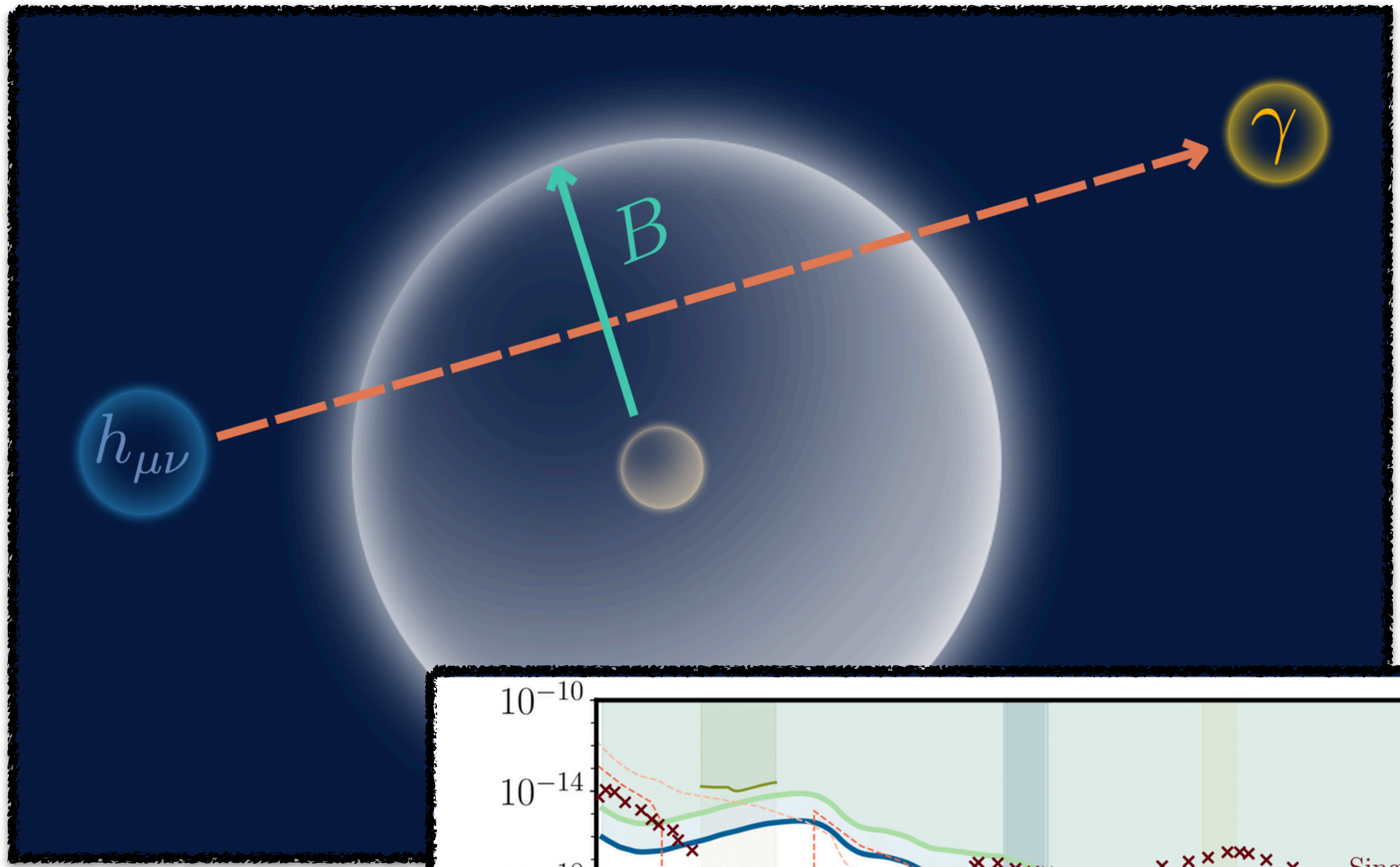
(University of Geneva)

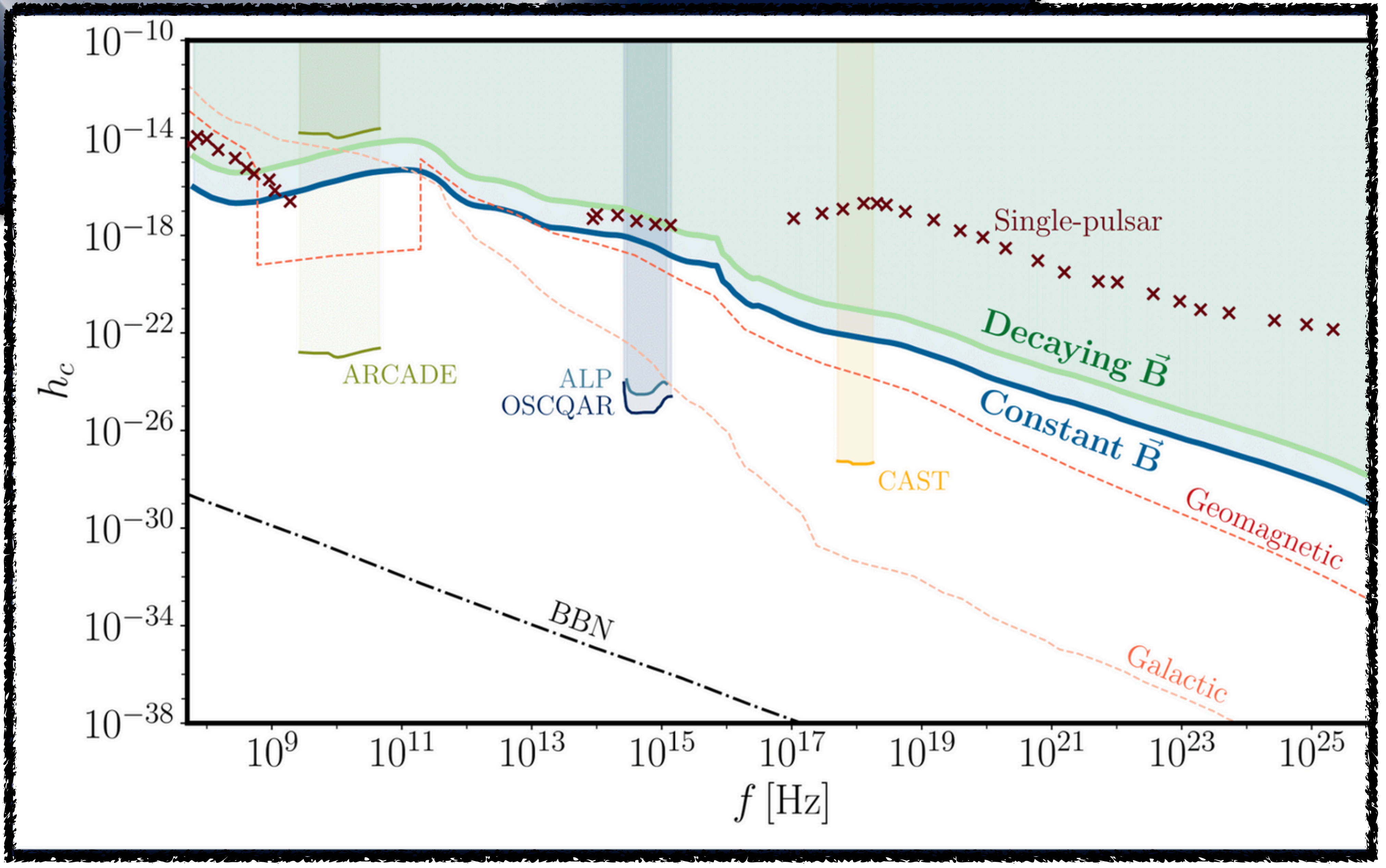




Modified Gravity vs Dark Interactions: Settling the Dispute through the Distortion of Time

Virgile Dandoy





(Universite Libre de Bruxelles)

High Frequency Gravitational Wave Bounds from Galactic Neutron Stars