

Session Program

30 May 2021 to 2 June 2021

**ORIGINS PhD Days Ringberg Workshop
Talks**

Castle Ringberg

Monday 31 May

09:00

Talks: Day 2 - Morning

Session | **Location:** Castle Ringberg

09:00–09:30 **Where did all the carbon go?**

Speaker

F. Bringer

09:30–10:00 **Cosmic Rays and Turbulence in Cosmological Simulations**

Speaker

L. Böss

10:00–10:30 **Lattice Simulations of Inflation**

Speaker

A. Caravano

10:30–10:45 **Coffee Break**

10:45–11:15 **Neutrino Fast Flavor Oscillations in Supernovae**

Speaker

J. Ehring

11:15–11:45 **IceCube low-energy reconstruction with Graph Neural Networks**

Speaker

M. Ha Minh

11:45–12:15 **Soft Theorem from SCET Gravity**

Speaker

P. Hager

12:15

13:45

Talks: Day 2 - Afternoon

Session | **Location:** Castle Ringberg

13:45–14:15 **Bayesian Data Compression**

Speaker

J. Harth-Kitzerow

14:15–14:45 **Merging Filaments: A race against collapse**

Speaker

E. Hoemann

14:45–15:15

Single-molecule imaging of structure and dynamics of DNA origami on biomembranes

Speaker

J.-H. Krohn

15:15–15:30

Coffee Break

15:30–16:00

Study of the $X(3915)$ at Belle**Speaker**

Y. Kulii

16:00–16:30

The Fierz interference term and recent PERKEO III measurements**Speaker**

M. Lamparth

16:30–17:00

Cosmological Perturbation Theory**Speaker**

D. Laxhuber

17:00

Tuesday 1 June

09:00

Talks: Talks: Day 3 - Morning

Session | **Location:** Castle Ringberg

09:00–09:30 **Anatomy of the B-Meson LCDA**

Speaker

P. Lüghausen

09:30–10:00 **Top-pair production via gluon fusion in SMEFT**

Speaker

C. Müller

10:00–10:30

Cosmological implications of anisotropic clustering measurements in BOSS and eBOSS

Speaker

A. Semenaite

10:30–10:45 **Coffee Break**

10:45–11:15 **Phase transitions and topological defect in the early universe**

Speaker

J. Sebastian

11:15–11:45 **AGN Feedback in Cosmological Simulations**

Speaker

S. Ward

11:45–12:15

The interplay between X-ray photoevaporative winds and giant planets embedded in a protoplanetary disk

Speaker

M. Weber

12:15