

Session Program

1-5 Jul 2019



The Beginnings and Ends of Double White Dwarfs

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Short-period Binaries & Gravitational Waves

Geological Museum, Main Auditorium
Øster Voldgade 5-7 DK-1350 Copenhagen

Tuesday 2 July

09:30

Short-period Binaries & Gravitational Waves: Finding short-period binaries

Session | Location: Geological Museum, Main Auditorium, Øster Voldgade 5-7 DK-1350 Copenhagen | **Convener:** Mukremin Kilic

09:30-10:05

Known double white dwarfs as LISA sources and the ZTF high-cadence Galactic Plane survey

Speaker

Thomas Kupfer

10:05-10:25

Uncovering the population of eclipsing double white dwarfs with ZTF

Speaker

Joannes van Roestel

10:25-10:45

The Shortest Period Eclipsing Binary

Speaker

Kevin Burdge

10:45

Short-period Binaries & Gravitational Waves: Individual systems

Session | Location: Geological Museum, Main Auditorium, Øster Voldgade 5-7 DK-1350 Copenhagen | **Convener:** Warren Brown

11:30-11:50

Finding compact binaries with KPED

Speaker

Dr Michael Coughlin

11:50-12:10

A 0.3% measurement of orbital decay in the 12.75-min WD+WD J0651+2844

Speaker

JJ Hermes

12:10-12:30

White Dwarf Tidal Interactions

Speaker

Anthony Piro

12:30

Short-period Binaries & Gravitational Waves: LISA

Session | Location: Geological Museum, Main Auditorium, Øster Voldgade 5-7 DK-1350 Copenhagen | **Convener:** Prof. Elena Maria Rossi

14:00-14:20

The evolutionary history of AM CVn binaries

Speaker

Matthew Green

14:20-14:40

Accreting White Dwarf Binaries as Gravitational Wave Sources

Speaker

Kyle Kremer

15:20

14:40-15:00

Multi-messenger Galactic Astronomy with double white dwarfs

Speaker

Valeriya Korol

15:00-15:20

Constraining Galactic structure with the LISA white dwarf foreground

Speaker

Dr Katelyn Breivik