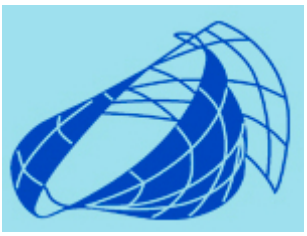
Session Program

Jul 5 – 10, 2021



Sixteenth Marcel Grossmann Meeting

White Dwarf Explosions

Mon, July 5

4:30 PM

White Dwarf Explosions: Block 1

Session | **Location:** Virtual Meeting | **Conveners:** Robert Fisher, Prof. Pilar Ruiz-Lapuente

4:30 – 4:50 PM **Type Ia Supernovae: Astrophysics and Cosmology**

Speaker
Saurabh Jha

4:50 – 5:10 PM **Multidimensional simulations of Type Ia supernovae**

Speaker
Friedrich Röpke

5:10 – 5:30 PM
Type Ia Supernovae from Double Detonations in Merging Double White Dwarf Systems: The D6 Scenario

Speaker
Ken Shen

5:30 – 5:35 PM **Coffee Break**

5:35 – 5:55 PM
Type Ia Supernova Explosions and their Nucleosynthesis: Constraints on Progenitors

Speaker
Shing-Chi Leung

5:55 – 6:15 PM
Type Ia explosions and progenitors: insights from spectral time series”

Speaker
Wolfgang Kerzendorf

6:15 – 6:35 PM **The Sub-Chandrasekhar Mass Pathway to Type Ia Supernovae**

Speaker
Abigail Polin

6:35 – 6:40 PM
Charged polarized white dwarfs with finite temperature as a possible source of type Ia supernovae

Speaker
Sílvia Nunes

6:40 – 7:30 PM **Round Table Discussion**

7:30 PM

Thu, July 8

4:30 PM

White Dwarf Explosions: Block 2

Session | **Location:** Virtual Meeting | **Conveners:** Robert Fisher, Pilar Ruiz-Lapuente

4:30 – 4:50 PM **Supernova Cosmology in the 2020s**

Speaker
Ryan Foley

4:50 – 5:10 PM
Redshift evolution of the underlying type Ia supernova stretch distribution

Speaker
Ms Nora NICOLAS

5:10 – 5:30 PM
The value of the Hubble–Lemaitre constant queried by Type Ia supernovae

Speaker
Mario Hamuy

5:30 – 5:35 PM **Coffee Break**

5:35 – 5:55 PM **Type Ia supernovae in the near infrared**

Speaker
Bruno Leibundgut

5:55 – 6:10 PM
A new measurement of the Hubble constant using Type Ia supernovae calibrated with surface brightness fluctuations

Speaker
Nandita Khetan

6:10 – 6:30 PM **Measuring Hubble's Constant with the Inverse Distance Ladder**

Speaker
Ed Macaulay

6:30 – 7:30 PM **General Discussion. Round table.**

7:30 PM