

RAS Specialist Discussion Meeting

“Progress in Astrophysics with Type-Ia Supernovae”

Meeting programme

Session 1 Observations	Start	End	Duration	
	10:20	10:25	5'	Welcome
	10:25	10:55	30'	Invited Talk: Dr Chiaki Kobayashi. Title: TBA
	10:55	11:10	15'	Tomás Muller-Bravo: “Type Ia Supernova Cosmology With PISCOLA”
	11:10	11:25	15'	Or Graur: “A year-long near-infrared plateau in Type Ia supernovae”
	11:25	11:40	15'	Dillon Brout: “It's Dust: Solving the Mysteries of the Intrinsic Scatter and Host-Galaxy Dependence of Standardized Type Ia Supernova Brightnesses”
	11:40	11:55	15'	Mattia Bulla: “Characterising the first few days: young Type Ia supernovae from the Zwicky Transient Facility”
	11:55	12:15	20'	Maxime Deckers and Mark Magee: “Light curves of type Ia supernovae: Understanding the different mechanisms for early bumps”
	12:15	12:30	15'	Discussion
Session 2 Computer Models	Start	End	Duration	
	13:45	14:15	30'	Invited Talk: Prof. Friedrich Röpke. Title: "Type Ia supernova explosion models: challenges and implications"
	14:15	14:30	15'	Rosanna Depalo: “Study of the $^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ reaction at the energies of type Ia supernovae”
	14:30	14:45	15'	Fionntan Callan: “New Multi Dimensional Deflagration Models for Type Iax Supernovae”
	14:45	15:00	15'	Christine Collins: “Observational Predictions of Sub-Chandrasekhar Mass Double Detonation Simulations for Type Ia Supernovae”
	15:00	15:15	15'	Pavel Denisenkov: “Rapidly-accreting white dwarfs and the single degenerate channel to SNe Ia”
	15:15	15:30	15'	Closing Discussion