

RAS Specialist Discussion Meeting

2nd Meeting on progress in Astrophysics with Type-1a Supernovae (PATIAS-2)

Meeting programme

Session 1 Observations Chair: U. Battino	Start	End	Speaker	Title	Email
	10:20	10:25	Dr. Umberto Battino University of Hull	Welcome	U.Battino@hull.ac.uk
	10:25	10:55	Prof. Laura Greggio Padua Astronomical Observatory	<i>Invited talk:</i> "Type Ia Supernovae progenitors and the distribution of their delay times"	laura.greggio@inaf.it
	10:55	11:10	Dr. Mark Magee University of Portsmouth	"Mixing in type Ia supernovae"	mrmagee.astro@gmail.com
	11:10	11:25	Mr Josh Shields Michigan State University	"Testing the Double Detonation Ia Progenitor Scenario: A Proper Motion Survey of SN 1006"	shield90@msu.edu
	11:25	11:40	Dr. James Keegans Keele University	"Isotopic Tracers of SNIa Progenitor Mass"	j.d.k.keegans@keele.ac.uk
	11:40	12:10	Dr. Tanja Petrushevska University of Nova Gorica	<i>Invited talk:</i> "Strongly lensed supernovae, the past and the future"	tanja.petrushevska@ung.si
	12:10	12:25	Dr. Suhail Dhawan University of Cambridge	"Strongly lensed Type Ia supernovae: Uncovering physical properties via the gravitational telescope"	sd919@cam.ac.uk
	12:25	12:40	Dr. Paul Shah University College London	"Cosmology with Type Ia supernovae in a clumpy universe"	paul.shah.19@ucl.ac.uk
Session 2 Computer Models Chair: A. Murphy					
	13:50	14:20	Dr. Stuart Sim Queen's University Belfast	<i>Invited Talk:</i> "Radiative transfer simulations for Type Ia supernovae"	s.sim@qub.ac.uk
	14:20	14:35	Dr. Christine Collins GSI Darmstadt	"Observational predictions of the double detonation scenario for Type Ia supernovae"	c.collins@gsi.de
	14:35	14:50	Mr Jack O'Brien Michigan State University	"New Multi Dimensional	obrie278@msu.edu

				Deflagration Models for Type Ia Supernovae”	
	14:50	15:05	Mr Thomas Trueman University of Hull	“The Galactic chemical evolution of the Milky Way with different Type Ia explosion scenarios”	t.trueman-2018@hull.ac.uk
	15:05	15:20	Ms May Alruwaili University of York	“The role of the $^{16}\text{O}(p,\alpha)$ reaction in intermediate elements synthesis in SNIa”	ma1722@york.ac.uk
	15:20	15:30		Closing Discussion	

Meeting objectives

The aim of this Specialist Discussion meeting is to bring together researchers different research fields in astrophysics to promote interaction, networking and discuss strategies to progress our knowledge of type Ia supernova events. This meeting will be the second of a series started in November 2020, and as already done in that occasion, we plan to present a summary of the findings of the meeting in A&G.

SUGGESTED TWITTER HASTAG: #RASSNIa or #RASPATIAS2