

100 Years of Supernova Science					
	Abstract book: Here				
	MON	TUE	WED	THU	FRI
08.50 09.00	Welcoming words J. Larsson - A. Jerkstrand				
	Chair: Anders Jerkstrand	Chair: Thomas Janka	Chair: Josefin Larsson	Chair: Kate Maguire	Chair: Ariel Goobar
09.00 09.40	THE HISTORY OF CLASSIFICATION IN THE SUPERNOVA ZOO A. FILIPPENKO	NEUTRINOS AS UNIQUE SUPERNOVA MESSENGERS I. TAMBORRA	SUPERNOVAE AS CHEMICAL LABORATORIES : DUST AND MOLECULES I. DE LOOZE	UNDERSTANDING LIGHT CURVES AND SPECTRA OF SNe K. MAEDA	THE ACCELERATING UNIVERSE : HOW DID WE GET HERE AND WHAT'S NEXT? B. SCHMIDT
09.40 09.55	Low Luminosity Type IIP Supernovae from ZTF Census of the Local Universe K. Das	Black Hole Supernovae in 2D and 3D: From Collapse to Shock Breakout O. Eggenberger-Andersen	Dust destruction by supernova remnants in a turbulent interstellar medium T. Scheffler	The landscape of CCSN progenitors and the late emergence of WR winds A. Gilkis	The tension in the tension: the Hubble constant from blue type Ia supernovae C. Gall
09.55 10.10	Origins of Ca-rich supernovae C-G. Touchard-Paxton	Systematic Progenitor and Explosion Parameters from Observations I. Arcavi	The JWST View of the Dynamic ISM with Thermal Echoes of Cas A J. Jencson	Exploring pre-supernova mass loss with modelling of double-peaked Type Ibc supernovae R. Chiba	Viewing the Hubble tension through a magnifying glass S. Taubenberger
10.10 10.25	SN 2021yfj - The First Member of a New Class of Si- and S-rich Supernovae S. Schulze	Winds, Bubbles, Disks and Binaries: Interpreting the Emission from Stripped-Envelope Supernovae which show increasing X-ray and Radio Luminosity V. Dwarakadas	The metamorphosis of SN 1996cr into a supernova remnant D. Patnaude	3D NLTE Radiative Transfer for Supernovae in the Nebular Phase B. van Baal	Unveiling Two Branches behind Type Ia Supernovae with Machine Learning K. Uno
10.25 10.55	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
	Chair: Phillip Podsiadlowski	Chair: Ragnhild Lunnan	Chair: Evan O'Connor	Chair: Takashi Moriya	Chair: Peter Lundqvist
10.55 11.35	SUPERNOVA 1987A A ROSETTA STONE FOR SUPERNOVA RESEARCH C. FRANSSON	SUPERLUMINOUS SUPERNOVAE THE BRIGHTEST TRANSIENTS IN COSMOS T-W. CHEN	THE CORE-COLLAPSE EXPLOSION MECHANISM: FOUNDATIONS AND STATUS T. JANKA	10.55-11.10 Statistical Investigation on Radio Supernovae with Markov Chain Monte Carlo Analysis T. Matsuoka	EXPLODING WHITE DWARFS IN A NEW LIGHT: JWST's TRANSFORMATIVE MIR LEGACY BEGINS L. KWOK
11.35 11.50	The remarkable diversity of supernovae from interacting binary stars E. Laplace	Two hundred (plus) SLSNe: light curves, spectra and physics from the new public SLSN Catalog M. Nicholl	3D numerical study of magnetorotational effects on extreme core-collapse supernovae L. Kovalenko	11.10-11.25 Nebular-Phase Spectra of Hydrogen-Poor Superluminous Supernovae P. Blanchard	Unveiling the progenitor demographics of Type Ia supernovae using their first to last photons C. Liu
11.50 12.05	Diversity in Hydrogen-rich Envelope Mass of Type II Supernovae Q. Fang	Type II Superluminous Supernova light curve characterization P. Pessi	Three-dimensional modeling of core-collapse supernovae K. Nakamura	11.25-11.40 "Double-Acct" - the extraordinary double-peaked supernova, SN2020acct C. Angus	Type Ia Supernova Physics from Nebular-phase JWST Observations in the MIR J. DerKacy
12.05 12.20	The early-time light curves of type II and type IIb supernovae from the ATLAS survey J. Anderson	Chasing eruptive mass loss prior to superluminous supernovae A. Gkini	Long-time supernova simulations: Exploring different classes of (magnetized and rotating) progenitors M. Gabler	11.40-11.55 Testing the Physics of Massive Stars and Stellar Explosions with LIGO P. Podsiadlowski	Type Ia supernovae from explosions of sub-Chandrasekhar-mass white dwarfs in double white dwarf binaries K. Shen
12.20 12.30	<i>8 flash talks</i> Baer-Way, Terwel, Mandal, Grayling, Gangopadhyay, Ding, Wiston	<i>6 flash talks</i> Fakiola, Hu, Russell, Sawada, Sheng, Tsalapatas	<i>8 flash talks</i> Umeda, Cornelius, Giudici, Gogilashvili, Sand-Hellman, Singh, Hall, Bronner	<i>8 flash talks</i> Zsiros, Callan, Sears, Ko, Kopsacheili, Taubenberger, LeBaron, Ghavamian	
12.30 14	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
	Chair: Stephen Smartt	Chair: Jesper Sollerman		Chair: Dan Milisavljevic	Chair: Seppo Mattila
14.00 14.15	Formation and Diagnostic Use of Carbon Lines in SESNe S. Barmentloo	KNUT LUNDMARK THE DISCOVERER OF SUPERNOVAE JOHAN KÄRNFELT		14.00-14.40 X-ray Eyes on Supernova Remnants and Compact Objects: Past, Present, and the Multi-Messenger Future S. SAFI-HARB	Discovery of a Relativistic Stripped Envelope Type Ic-BL Supernova at z = 2.83 with JWST M. Siebert
14.15 14.30	Electron-capture supernovae Thermonuclear explosion or gravitational collapse? A. Holas				From Red Supergiants to Black Holes: Observational Constraints on Failed Supernovae from the Hubble Space Telescope J. Pearson
14.30 14.45	Chromatic Observations of Extreme Red Supergiant Explosions W. Jacobson-Galan			14.40-14.55 After the Explosion: Shock Heating and Particle Acceleration in Supernova Remnants P. Slane	Disentangling the evolutionary paths of Supernova Remnants: observational evidence of (non) multi-wavelength emission I. Leonidaki
14.45 15.00	Variability and extreme reddening in the progenitor stars of Type II supernovae C. Kilpatrick	Binarity in massive star explosions P. Chen		14.55-15.10 Constraints on circumstellar interaction and explosion mechanism from the remnants of thermonuclear SNe C. Badenes	The Most Distant Stellar Explosions with JWST D. Coulter
15.00 15.15	The Supernova Progenitor Luminosity Problem E. Beasor	Core-collapse supernovae as probes of the star-formation history of the Universe S. Mattila		15.10-15.25 Tracing the Propagation of Shocks in the Equatorial Ring of SN 1987A Over Decades C. Tegkeldis	The High-redshift Transient Universe with JWST A. Rest
15.15 15.45	COFFEE BREAK	COFFEE BREAK		CONFERENCE PHOTO EXTENDED BREAK	Shadowing LSST: Extremely Early Supernova Discoveries in the Nearby Universe D. Sand
	Chair: Tea Temim	Chair: Fritz Röpke			Chair: Dan Maoz (session starts 18.00)
15.45 16.25	SUPERNOVA REMNANTS A HISTORY OF PEEKING INSIDE EXPLODED STARS D. MILISAVLJEVIC	THE DIVERSE FATES OF EXPLODING WHITE DWARFS R. PAKMOR			
16.25 16.40	Detection of P, Cl, and K in Cassiopeia A with XRISM K. Matsunaga	Dynamics and stability of helium-rich detonation in sub-Chandrasekhar mass SNe Ia: a continuing trial to find the constraint via terrestrial cell-based theories and experiments K. Iwata			
16.40 16.55	Modelling the Remnant of a Magnetorotational Supernova G. La Malfa	SN 2023adys -- a normal Type Ia Supernova at z=2.9, discovered by JWST E. Regos			
16.55 17.10	Imaging the signature of type Ia supernova explosion mechanism - a novel approach using optical IFS to study the reverse shocked ejecta P. Das	All known Type Ia supernova models fail to reproduce the observed luminosity-width correlation D. Kushnir			
17.30 19.00	OBSERVATORY VISIT GROUP 1	OBSERVATORY VISIT GROUP 2			
19.15 21.00	DINNER	DINNER		DINNER	
	COLOR CODE:				
	CCSN				
	SLSN				
	Dust, poi				
	Ia SNe				
	Remnants				
	Surveys and instr.				
	Cosmology				
	Misc				
	FLASH TALKS (32):				
	Monday				
	R. Baer-Way	A multiwavelength view of interaction in two core collapse supernovae revealing extreme			
	J. Terwel	Searching for late-time signals of SNe interacting with circumstellar material			
	S. Mandal	Imprints of thermonuclear supernova explosions hidden in their remnants: decoding			
	M. Grayling	BayeSN: Environmental dependence of SN Ia i-band secondary maximum			
	A. Gangopadhyay	The transitions in interacting supernovae			
	Z. Ding	A 3D Kinematic Reconstruction of the Crab Nebula That Includes the Northern Ejecta Jet			
	E. Wiston	Radio Observations of SN2012au - The Youngest Pulsar Wind Nebula Candidate			
	Tuesday				
	C. Fakiola	On the isotopic yields of thermonuclear explosions in non-accreting progenitors			
	Y. Hu	SN 2021aaev: A Hydrogen-Rich Superluminous Supernova Exhibiting Intense Interaction			
	E. Russell	Machine learning classification of superluminous supernovae candidates in big data			
	R. Sawada	Probing Pair-Instability Supernovae via 56Ni Decay Signatures			
	X. Sheng	Attention-based Data Pre-processing and Upsampling for Enhancing SLSN-I Identification			
	K. Tsalapatas	A thermonuclear supernova interacting with H- and He- deficient circumstellar material			
	Wednesday				
	H. Umeda	Properties of the lowest-mass Fe-core collapse supernovae			
	M. Cornelius	Hunting for electron lepton number crossings in core-collapse supernovae			
	B. Giudici	Long-Term Hydrodynamic Simulations of Core-Collapse Supernovae from Red Supergiant			
	M. Gogilashvili	Impact of Flavor Evolution on Core-collapse Supernova Physics			
	W. Sand Hellman	Investigating the nearby stripped envelope SN2024ehs: Effects of macroscopic mixing			
	A. Singh				
	S. Hall	Deriving Time-Dependent Supernova Luminosity Functions via Hierarchical Bayesian			
	V. Bronner	Pulsating Red Supergiants: A New Perspective on Type II Supernova Light Curve Diversity			
	Thursday				
	S. Zsiros	The James Webb Space Telescope Captures the Dusty SN 2013ej			
	F. Callan	Including a Luminous Central Remnant in Radiative Transfer Simulations for Type Iax			
	H. Sears	Space-based Observations of Type Ia SNe at Very Late Times			
	T. Ko	Revealing the Unique Multi-Structural Features of a Historical Type Iax Supernova			
	M. Kopsacheili	Discovery of new optical and X-ray supernova remnants in nearby galaxies: Improved			
	G. Csoernyei (presented by S. Taubenberger)	SNe II the rescue: Determination of H0 based on SNe II in the Hubble flow			
	N. LeBaron	AT2024wpp in UV to NIR: The Unprecedented Evolution and Properties of a Luminous			
	P. Ghavamian	Electron-Ion Equilibration and Cosmic Ray Acceleration in two Balmer-Dominated SNRs			