

POSTERS 1SLIDE/1MIN ORAL PRESENTATIONS

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- I. Leonidaki (Greece)
- G. Munoz-Sanchez (Greece)
- D. Souropanis (Greece)
- K. Tsakanika (Greece)

Venue: Minoa Palace Resort & Spa (Imperial Main Hall)

A conference organized by the National Observatory of Athens, Greece

CONFERENCE POSTERS 1 SLIDE/1MIN ORAL PRESENTATIONS

MONDAY JUNE 10

Morning Session [10:50-11:00] 10 Poster Presentations - Session 1

Session 1: Populations/Surveys and Classifications of SNRs and SNe

S1.1	F. Bocchino	GalRSG: A long-term monitoring campaign of Galactic Red
		Supergiants and the quest for SN explosions' premonitory
		signs
S1.2	F. Bocchino	Search for Gamma-ray emission from SNRs in the Large
		Magellanic Cloud: Preliminary results of a new cluster analysis
		at energies above 3GeV
S1.3	C. Burger-Scheidlin	Gamma-ray detection of newly discovered Ancora supernova
		remnant: G288.8-6.3
S1.4	A. Castrillo	Supernova remnant catalog in the PHANGS survey
S1.6	B. Gamache	Characterization of M51 supernovae remnants with the
		imaging spectrometer SITELLE
S1.7	D. A. Green	Statistics of Galactic Supernova Remnants
S1.8	A. Ingallinera	Studying SNRs and their environment with high-resolution
		radio spectral index maps
S1.9	A. Khokhriakova	SNR G321.3-3.9 observed with multi-band radio data and
		SRG/eROSITA
S1.10	I. Leonidaki	Disentangling the evolutionary paths of Supernova Remnants:
		observational evidence of (non) multi-wavelength emission
S1.11	I. Leonidaki	A systematic meta-analysis of physical parameters of Galactic
		SNRs

Afternoon Session [16:05-16:20] 15 Poster Presentations - Sessions 1 & 2

S1.12 TX. Luo	Investigation of Galactic supernova remnants and their environment in 26.6° < $ <30.6^{\circ} $, $ b \le 1.25^{\circ}$ using radio survey
S1.13 S. Mantovanini	Low radio frequency images of the southern Galactic plane for supernova remnant detection
S1.14 M. Michailidis	X-ray counterpart detection and gamma-ray analysis of the SNR G279.0+01.1 with eROSITA and Fermi-LAT
S1.16 S. Panjkov	The Effects of Metallicity on the LMC Core-Collapse Progenitor Mass Distribution
S1.17 N. O. Pinciroli Vago	DeepGraviLens: a multi-modal architecture for classifying gravitational lensing data
S1.18 Z. Smeaton	Discovery of new, young Galactic SNR (G329.9-0.5)

Session 2: SNe and SNRs with Circumstellar Interactions

S2.2	R. Baer-Way	A multi-wavelength autopsy of a young interacting supernova
		to unveil its progenitor

S2.3	M. Chatzopoulos	Radiative Transfer Modeling of Astrophysical Transients
		Powered by Circumstellar Interaction
S2.4	WY. Chen	Multidimensional Radiation Hydrodynamics Simulations of
		Supernova 1987a Shock Breakout
S2.7	T. Court	Type Ia Supernova Remnants in Different Circumstellar
		Environments
S2.8	J. Horvat	An XMM-Newton study of several nonradiative filaments in the
		northeastern rim of the Cygnus Loop
S2.9	M. Ichihashi	The thermal relaxation process in collisionless shock of
		SN1006
S2.10	W. Jacobson-Galan	Final Moments: Observational Properties and Physical
		Modeling of "Flash Spectroscopy" Supernovae
S2.11	B. Liu	Investigation into SNR-accelerated CRs at the prospect of
		future MeV gamma-ray detectors
S2.12	LD. Liu	Light curves of Multiple Ejecta-circumstellar Medium
		Interactions

Afternoon Session [18:10-18:30] 20 Poster Presentations - Sessions 2 & 3

S2.13	E. Makarenko	How do supernova remnants cool? Morphology and optical emission lines
S2.15	A. Mercuri	Spectral Analysis of Chandra data on selected regions of the Supernova Remnant Cassiopeia A
S2.16	T. Murase	Molecular Clouds associated with middle-aged gamma-ray Supernova Remnants W41 and G22.7–0.2
S2.17	A. Nagy	How can circumstellar interaction explain the special light curve features of Type Ib/c supernovae?
S2.19	B. H. Pál	A possible circumstellar interaction of SN2004gq
S2.21	G. Prete	Interaction of a Supernova Remnant with background interstellar turbulence
S2.22	L. Sun	Probe charge exchange and resonant scattering in Magellanic Cloud supernova remnants with spatially-resolved high- resolution X-ray spectroscopic study of oxygen lines
S2.24	A. Suzuki	Multi-dimensional simulations of interaction-powered supernovae
S2.25	H. Suzuki	Global and Rapid Deceleration of X-Ray Knots and Rims of RCW 103
S2.26	K. Tsuge	Shocked Molecular Clouds in the LMC SNR N132D Revealed by ALMA ACA
S2.27	S. Ustamujic	Modeling the mixed-morphology supernova remnant VRO 42.05.01

Session 3: SN/SNR Progenitors, Central Engines, Explosion Models

S3.1	E. Abdikamalov	Exploring supernova gravitational waves with machine
		learning
S3.2	M. Anazawa	Estimation of progenitor of Keplers SNR with precision X-ray
		spectroscopic analysis
S3.4	B. Barna	Different, but still same: on the common(?) origin of the
		peculiar Type Iax SNe
S3.5	E. Batziou	The Long-time Evolution of Accretion-Induced Collapse of
		White Dwarfs to Neutron Stars
S3.6	Z. R. Bodola	Massive Progenitor Parade of Stripped-Envelope Supernovae

S3.7	A. Z. Bonanos	Evidence for episodic mass loss in red supergiants from the ASSESS project
S3.8	K. A. Bostroem	Considering the Single and Binary Origins of the Type IIP SN 2017eaw
S3.9	M. Bugli	Numerical models of magneto-rotational supernovae: dynamics, multi-messenger signals, and explosive nucleosynthesis
S3.10	M. Bugli	3D MHD core-collapse supernovae code comparison: the impact of numerics on central engine's simulations

TUESDAY JUNE 11

Morning Session [10:55-11:00] 5 Poster Presentations - Session 3

S3.11	E. Christodoulou	Obtaining accurate parameters of Type IIP progenitors in NGC 6822, IC 10 & WLM
S3.12	L. Dang	Typing supernova remnant G352.7-0.1 using XMM-Newton X-ray observations
S3.13	B. Dinçel	Possible pre-supernova binary companion to the progenitor of the supernova remnant IC 443
S3.14	O. Eggenberger Andersen	Black Hole Supernovae and their Equation-of-state Dependence
S3.15	J. I. Gonzalez- Hernandez	Searching for surviving stellar companions of historical galactic type Ia supernovae

Afternoon Session [16:05-16:20] 15 Poster Presentations - Session 3

S3.16	A. Holas	Electron-capture supernovae - Thermonuclear explosion or
		gravitational collapse? - The fate of sAGB stars on a knife's edge
S3.17	C. M. Irwin	An unexplored regime of shock breakout: the effect of rapid
		thermalization on the observed spectrum
S3.18	M. Kalitsounaki	Discovery of an extreme Red Supergiant in the LMC
		transitioning to a Blue Supergiant
S3.19	E. Kasdagli	Improving Supernova Prescriptions in Binary Population
	O	Synthesis Using Detailed Stellar Profiles
S3.20	J. Luo	3D Simulation of SN~Ia SNR: Effects of Companion Star and
		Progenitor System
S3.21	K. Matsunaga	Formation of Mg-rich SNRs by shell merger and its effect on the
		explodability
S3.22	G. Munoz-Sanchez	[W60] B90: a mass-losing luminous RSG in the LMC interacting
		with the CSM
S3.23	T. Narita	Progenitor constraint with CNO abundances of circumstellar
		material in supernova remnants
S3.24	Z. Niu	The binary progenitor for Type IIP supernovae
S3.25	C. Omand	Probing Energetic Infant Pulsars with Supernova Emission
		Lines
S3.26	KC. Pan	Stellar Mass Black Hole Formation and Multimessenger Signals
		from Core-collapse Supernova Simulations
S3.29	P. Ruiz-Lapuente	SN Ia supernova remnant with M dwarf companions
S3.30	R. Sawada	'56Ni problem' in Canonical Supernova Explosion
S3.32	M. Solar	Binary progenitor systems for Type Ic supernovae

S3.33 T. Tanaka Expansion Measurements of Tycho's Supernova Remnant and Their Implications of the Progenitor System

Afternoon Session [18:10-18:30] 20 Poster Presentations - Sessions 3 & 4

S3.34	H. Uchida	Possib!	le evider	ice d	of a je	t-induce	d explosio	n fo	und fro	m X-ray
		and rad	dio obsei	rvat	ions o	f a pecu	liar SNR G(0.61	+0.01	
S3.35	J. Weng	Upper	Limits	of	⁴⁴ Ti	Decay	Emission	in	Four	Nearby
		Therm	onuclear	Sup	erno	va Remi	nants			

Session 4: SNR Structure, Ejecta and Evolution

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S4.1	M. Agarwal	X-ray diagnostics of Cassiopeia A's "Green Monster": evidence for dense shocked circumstellar plasma
S4.2	S. Akras	Spectroscopic analysis tool for intEgraL fieLd unIt daTacubEs
		(SATELLITE): The case of SNR 0509-68.7
S4.4	Y. Chen	A Monte-Carlo Simulation on Resonant Scattering of X-ray Line
		Emission in Supernova Remnants
S4.5	YH. Chi	Thermal X-ray Emission in the Western Half of the LMC
		Superbubble 30 Dor C
S4.6	P. Das	Observational Study of the Reversed Shocked Ejecta in SNR
	_	0509-67.5
S4.7	D. Dickinson	High Resolution Mapping of the Unshocked Ejecta in
		Cassiopeia A
S4.8	M. Fontaine	Theoretical and Experimental Simulations of Colliding Blast
240	D 01 11 1	Waves
S4.9	B. Giudici	Hydrodynamic instabilities in three-dimensional simulations
C4 10	D C: (C:1	of neutrino-driven CCSNe from red supergiant progenitors
S4.10	R. Giuffrida	Measuring the initial mass of 44Ti in SN 1987A through the
C4 11	I C-1:1	44Sc emission line
S4.11	L. Godinaud	Mapping the 3D dynamics and spectral properties of Tycho's
S4.12	T. Ko	SNR in X-rays The multi-layer structure of SNR 1181 with a white dwarf in
34.12	1. KU	its center
S4.14	D. Leahy	On emission measures and element densities and masses
34.14	D. Leany	inferred from XSPEC
S4.15	D. Leahy	Models for supernova remnants with reverse shock emission
S4.16	E. Makarenko	Thermal X-ray emission from supernova remnants in 3D
		(M)HD simulations
S4.17	S. Mandal	Measurement of anisotropies in observed Supernova
		Remnants and their interpretation using hydrodynamical
		models
S4.18	M. Ono	Molecular formation in the ejecta of SN 1987A based on three-
		dimensional hydrodynamical models
S4.19	S. Panjkov	Morphological Insights into the SN progenitors of the Small
		Magellanic Cloud
S4.20	G. Paylı	Investigation of supernova remnant IC 443 and G189.6+3.3
		with LAMOST

WEDNESDAY JUNE 12

Morning Session [10:55-11:00] 5 Poster Presentations - Session 4

S4.21	L. Romano	Cloud Formation by Supernova Implosion
S4.22	2 V. Sapienza	Probing Shocked Ejecta in SN 1987A: A novel diagnostic approach using XRISM-Resolve
		approach using ArisM-resolve
S4.23	N. Sanches Sartorio	New Analytical Solutions for Supernova Shocks
S4.24	L. Sun	Evolution of X-ray Gas in SN 1987A from 2007 to 2021: Ring
		Fading and Ejecta Brightening Unveiled through Differential
		Emission Measure Analysis
S4.25	J. C. Toledo-Roy	Simulated non-thermal emission of the supernova remnant
	•	G1.9+0.3

THURSDAY JUNE 13

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Morning Session [10:55-11:00] 5 Poster Presentations - Sessions 4 & 5			
S4.27	B. van Baal	Nebular Phase Stripped Envelope Supernovae in 3D	
S4.28	K. Vargas Rojas	Study of non-thermal emission of Kepler's SNR with MHD numerical simulations.	
Session 5: Shock Physics, Particle Acceleration, Polarization in SNRs and PWNe			
S5.2	B. Ball	Radio Polarization Studies of Galactic Supernova Remnants with ASKAP	
S5.3	D. Castro	The Expansion and Width of the Synchrotron Filaments Associated with the Forward Shocks of SNRs	
S5.4	L. Del Zanna	Relativistic MHD turbulence simulations and synchrotron polarization properties of Pulsar Wind Nebulae	
Afternoon Session [16:05-16:20] 15 Poster Presentations - Sessions 5 & 6			

S5.5	R. Ferrazzoli	Discovery of a shock-compressed magnetic field in the NW rim of the young SNR RX J1713.7-3946 with X-ray polarimetry
S5.6	R. Giuffrida	Evidence for proton acceleration and escape from the Puppis A SNR using Fermi-LAT observations
S5.8	J. Hewitt	Resolving the gamma-ray supernova remnant IC 443 with Fermi LAT and VERITAS
S5.9	J. Hewitt	Two new radio-dim, gamma-ray-bright supernova remnants
S5.10	S. Knežević	Shock geometry and physics in the supernova remnant SNR 0509-67.5
S5.12	Y. Ohshiro	A self-consistent model of shock-heated plasma in non- equilibrium states for direct parameter constraints from X-ray observations
S5.13	V. Sapienza	Time evolution of the synchrotron X-ray emission in Kepler's SNR: the effects of turbulence and shock velocity

S5.14	X. Shi	The production of unstable cosmic-ray isotopes in supernovae clusters
S5.15	J. D. Slavin	Modeling Shock Emission Including Dust Destruction
S5.16	K. Stasiewicz	Reinterpretation of the Fermi acceleration of cosmic rays in terms of the ballistic surfing acceleration in supernova shocks
S5.17	S. J. Tanaka	A Self-regulated Stochastic Acceleration Model of Pulsar Wind Nebulae
S5.18	D. Tateishi	Suzaku/XIS study of the acceleration environment of bilateral SNR RX J0852.0-4622
S5.19	S. Ustamujic	Modeling the supernova remnant RX J1713.7 – 3946: particle acceleration, gamma-ray emission, and neutrino flux

Session 6: SN/SNR dust, environments, feedback

S6.1	N. Izumi	CI/CO abundance ratio of shock-excited gas in the Magellanic
		Supernova Remnant N63A
S6.3	N. Sanches Sartorio	The impact of CSM properties on the dust destruction by
		supernovae forward shocks

Afternoon Session [18:05-18:30] 25 Poster Presentations - Sessions 6, 7, 8 & 9

S6.5	T. Scheffler	Dust destruction by supernova remnant forward shocks in a turbulent interstellar medium
S6.6	A. Singleton	Constraining the progenitor properties of the Type Ib supernova iPTF13bvn through its environment with HST and MUSE
S6.7	D. Souropanis	Time-dependent feedback of core-collapse supernovae from binary progenitors via detailed binary population synthesis models
S6.8	T. Tu	A Yebes W band Line Survey towards an Unshocked Molecular Cloud of Supernova Remnant 3C391: Evidence of Cosmic-Ray- Induced Chemistry
S6.10	M. Zhang	Not gone with the wind: survival of high-velocity molecular clouds in the Galactic Centre
S6.11	Q. Zhang	A molecular line survey toward clumps G and E in supernova remnant IC 443 with the Submillimeter Array
S6.12	Z. Zhang	Estimation of the Dust Mass with Infrared Emission and Extinction of the Supernova Remnants: G156.2+5.7, G109.1-1.0, G166.0+4.3, G93.7-0.2
S6.13	S. Zsíros	Disentangling possible dust components of core-collapse supernovae within a Bayesian framework

Session 7: PWN Diversity; Structures, Bowshocks and Magnetar Wind Nebulae

S7.1	J. Alford	Cosmic Ray Leptons Escaping from CTA 1?
S7.3	L. V. da Conceição	Using CFHT's SITELLE to probe the long-sought shell in the
		Crab nebula
S7.4	S. Gagnon	Chandra X-ray Observations of PSR J1849-0001 and its Pulsar
		Wind Nebula
S7.5	X. Li	An Exploration of Misaligned Outflows in Pulsar Wind Nebulae
S7.6	S. Mandal	Diagnosis of Pulsar Wind Nebula dynamics using their
		filamentary structure
S7.7	K. Yan	Pulsar halos as an origin of the Galactic diffuse TeV-PeV
		emission: Insight from LHAASO and IceCube

Session 8: SNRs and PWNe as PeVatrons

S8.1	R. Brose	Fast Blue Optical Transients as cosmic-ray sources
S8.3	Y. Gallant	Pulsar Wind Nebulae and their halos observed in TeV and PeV
		gamma rays
S8.5	Y. Li	Multi-Messenger Modeling of the Monogem Pulsar Halo
S8.6	B. Mac Intyre	The Manatee Nebula W50-SS433: a Galactic PeVatron?
S8.7	I. Sander	Pulsar Wind Nebulae and PeVatrons: A Case Study of PWN
		G309.92-2.51
S8.8	N. Tsuji	Search for molecular clouds associated with PeVatrons by the
		Nobeyama 45-m radio telescope: the case of LHAASO
		J0341+5258
S8.9	J. Woo	Revisiting Cassiopeia A after a decade: the first spatially
		resolved synchrotron X-ray variability above 15 keV by
		NuSTAR

Session 9: SNR/PWN/Compact Objects Associations, Interaction and Evolution

S9.1	J. Ahlvind	Late-time X-ray observations Core-Collapse Supernovae - constraints on emission from compact objects and CSM interaction
S9.2	A. M. Moaz	Multi-Wavelength Modelling of the Pulsar Wind Nebulae Kes
		75 & HESS J1640-465
S9.3	J. Suherli	A-MUSE-ing Views of the Central Environment of the Vela Jr.
		and 1E0102-72.3 Supernova Remnants



