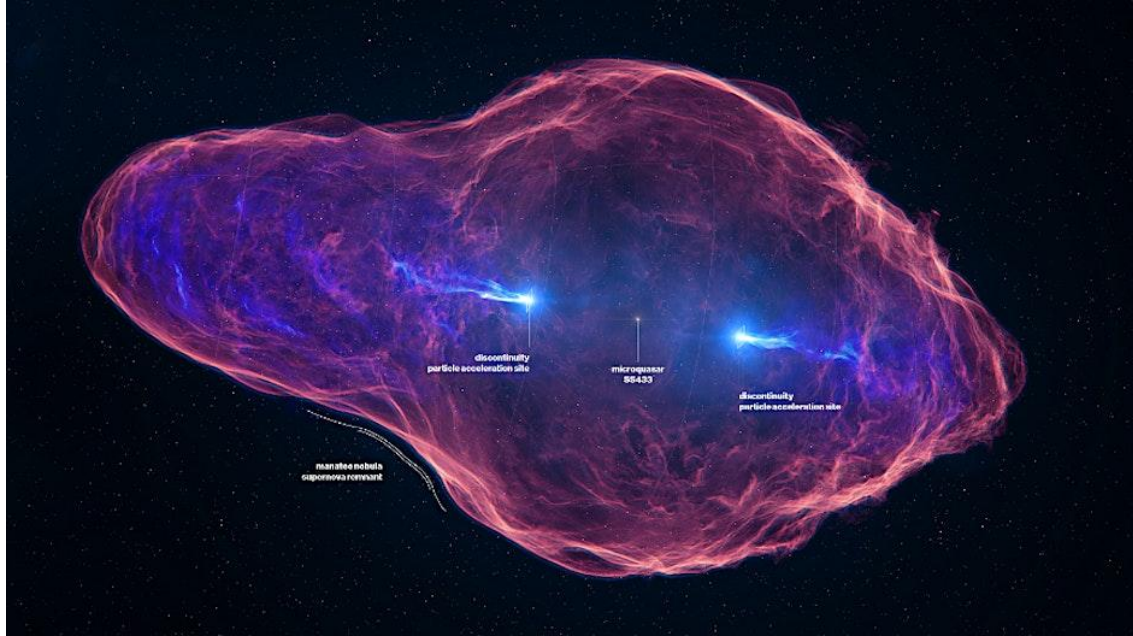


Monday 7 October
Fitzpatrick Castle Hotel

DIAS-CDY WORKSHOP: GAMMA-RAY LOUD BINARIES



14:00 - 14:05

Jonathan Mackey

Opening Remarks

14:05 - 14:35

Alicia López-Oramas

VHE overview of gamma-ray binaries

14:35 - 15:05

Guillem Martí-Devesa

Fermi-LAT observations of gamma-ray binaries

15:05 - 15:35

Brian Reville

Accelerating particles at shocks in gamma-ray loud binary systems

15:35 - 16:00

Coffee Break

16:00 - 16:30

Felix Aharonian

GRLBs past, present and future

16:30 - 17:00

Guillaume Dubus

The population of gamma-ray binaries

17:00 - 17:30

Valenti Bosch-Ramon

The non-thermal physics of the brightest gamma-ray emitting binaries

17:30 - 18:00

All

Discussion

18:30 - Late

Welcome Reception

**Tuesday 8 October
DIAS Dunsink Observatory**

09:00	Bus to Dunsink Coffee on arrival	
10:30 - 11:00	Samar Safi-Harb	What's up with the SS433-W50 system?
11:00 - 11:30	Gustavo Romero	Production of gamma-rays in microquasar jets
11:30 - 12:00	Naomi Tsuji	X-ray observations of microquasars: knots in SS 433/W50
12:00 - 12:30	Tobias Kleiner	Gamma-Ray Emission from SS 433: Insights from VERITAS
12:30 - 14:00	Lunch	
14:00 - 14:30	Laura Olivera-Nieto	Very high energy emission from microquasars as seen by the H.E.S.S. telescopes
14:30 - 15:00	Dmitriy Khangulyan	Observation of microquasars with LHAASO
15:00 - 15:30	Sabrina Casanova	HAWC Microquasars
15:30-16:00	Coffee Break	
16:00-17:30	Eucharía Meehan	DIAS Registrar & CEO - MC and Welcome
	Luke Drury	High-Energy Astrophysics at DIAS
	Janet Drew	Representing the DIAS School of Cosmic Physics Board
	Paolo Coppi	Reflections on Felix and his career
17:30 - 19:00	Drinks and canapes	
19:00	Bus to Fitzpatrick Castle Hotel (stop in city centre)	

**Wednesday 9 October
Fitpatrick Castle Hotel**

09:00 - 09:30

Masha Chernyakova

Broad band properties of the classical gamma-ray binary PSR B1259-63

09:30 - 10:00

Christian Mariaud

Modeling a binary system with Be-Star

10:00 - 10:30

Anne Duerr

Searching for common emission mechanisms in X-ray, GeV gamma ray, and TeV gamma-ray observations of LS I+61 303

10:30 - 11:00

Coffee Break

11:00 - 11:30

Nicole Rodriguez Cavero

Polarised emission from GRLB with IXPE

11:30 - 12:00

Hongjun An

High-energy electrons/positrons in the winds of millisecond pulsars: unveiling the secrets of orbitally modulating gamma rays from pulsar binaries

12:00 - 12:30

Andrew Taylor

Gamma-Ray Burst Jets

12:30 - 14:00

Lunch

14:00 - 14:30

Paolo Coppi

AGN Jets

14:30 - 15:00

Michael Corcoran

X-raying extreme colliding wind systems, cosmic plasma physics laboratories

15:00 - 15:30

Julian Pittard

Particle acceleration and non-thermal emission in colliding-wind binaries

15:30 - 16:00

Coffee Break

16:00 - 16:30

Kenji Hamaguchi

Non-Thermal X-ray Emission from the Colliding Wind Binary Systems

16:30 - 17:00

Jonathan Mackey

High-energy radiation from massive stars

17:00 - 17:30

Elias Aydi (remote)

Novae - a new class of gamma-ray sources in our Galactic backyard

17:30 - 18:00

Brian Humensky

TeV observation prospects for novae

19:00 - Late

Workshop Dinner

**Thursday 10 October
Fitzpatrick Castle Hotel**

09:00 - 09:30	Hiroki Yoneda	X-ray and gamma-ray observations of the gamma-ray binary LS 5039
09:30 - 10:00	Alexander Lange	Orbital phase-resolved analysis of X-ray and Gamma-ray observations of High-Mass Gamma-ray Binary 4FGL J1405.1-6119
10:00 - 10:30	Cong Li (remote)	LHAASO results on LS 5039 and LS +61 303
10:30 - 11:00		Coffee Break
11:00 - 11:30	Reshmi Mukherjee	Gamma-Ray Loud Binaries: Conference Summary and Future Outlook
11:30 - 12:00	All	Discussion
12:00 - 12:30		
12:30 - 14:00		Lunch and departure

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Bhaile Átha Cliath | Advanced Studies