

Type of NOVA funding: Travel support for international conference attendees

Event information

Title From discovery to a population: Benchmarking stripped stars and companions

Venue Lorentz Center, Leiden

Dates Mon-Fri July 22-26, 2024

Scientific report

In this workshop, our goal was to bring together all the communities working on stripped stars from both observational and theoretical aspects to produce the first benchmark for these fascinating objects and their companions and to optimize strategies to reveal the rest of the iceberg. We set out to constrain theoretical models but also to evaluate the implications of stripped-star properties for binary mass transfer physics, the supernovae they produce, their ionisation power, and for the formation of gravitational-wave sources.

We used a mix of crash-course review talks, discussions, flash talks and breakout sessions. Junior participants felt very encouraged to join discussions, perhaps due to the (by design) modest number of senior researchers and because questions from junior participants were encouraged and prioritised. The workshop was very lively and facilitated finding the common language to connect theorists and observers, and generating many new ideas and avenues for follow-up projects and collaboration. The NOVA-funded NUX telescope design came up as a promising new avenue to detect and characterise stripped stars and their underlying population.

Financial report

NOVA funds were requested to support two early-career scientists, who otherwise could not have attended the workshop: Eirini Kasdagli (female PhD student, University of Florida, Gainesville, USA) and Tomer Shenar (male assistant professor, Tel Aviv University, Israel). Because we encourage them to also look for other funding, the final costs (1266,57 euro) were lower than the funds originally requested (3480 euro).

The total requested funds from NOVA are 1266,57 euro, breaking down as follows:

Reis- & verblijfkstn	5-8-2024	1900827485	Kasdagli/Hotel expense and the flight to Amsterdam	765,88
Reis- & verblijfkstn	3-8-2024	1900827294	Shenar/Public transport to, in, and from Leiden	28,73
Reis- & verblijfkstn	3-8-2024	1900827294	Shenar/Hotel costs	471,96