13:00	LUNCH
14:30	ASPECT TALK & DISCUSSION **Exploring different mass-loss descriptions in stellar evolution modelling** *Joris Josiek*
15:15	FOCUS DISCUSSION **Consequences on stellar yields when stars approach the Eddington Limit and cumulative effects of updated mass loss on stellar evolution** *N.N.*
16:00	COFFEE BREAK
16:30	REVIEW & DISCUSSION **The chemical enrichment of early Galaxies and self-polluting massive stars** *Arpita Roy*
17:15	**DAY IV** SUMMARY/DISCUSSION **Major yield suppliers in the massive star regime** *(led by by Vincent Bronner)*
18:30	SOCIAL EVENT: DINNER AT IWH
	Friday
10:00	REVIEW & DISCUSSION **Galactic Chemical Evolution modelling and the implementation of stellar yields** *Chiaki Kobayashi*
11:00	COFFEE BREAK
11:30	ASPECT TALK & DISCUSSION **Constraints on nucleosynthesis processes from chemical abundances of stars** *Tadafumi Matsuno*
12:15	BRAINSTORMING **Do we know the origin of our elements and what do we need to get better yields?** *(led by Martyna Chruślińska)*
13:00	LUNCH
14:30	FOLLOW-UP PROJECTS DISCUSSION AND PLANNING
16:00	COFFEE BREAK
16:30	BUFFER TIME FOR FURTHER DISCUSSIONS OR END OF WORKSHOP

Three Klaus-Georg and Sigrid Hengstberger Awards are bestowed annually on young scientists and scholars at Heidelberg University. The awards are intended to enable the recipients to present an interdisciplinary symposium at Internationales Wissenschaftsforum Heidelberg (IWH). The next deadline for applications is 1st April 2024.
Andreas Sander received this award in 2022.

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Klaus-Georg and Sigrid Hengstberger Award
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HENGSTBERGER SYMPOSIUM

Understanding the massive-star origin of our elements: A unified understanding of stellar yields

September 4-8, 2023

ORGANISATION:
Andreas Sander (ZAH/ARI)

Monday

10:00 WELCOME & INTRODUCTION

10:15 OPENING REVIEW
Chemical evolution of galaxies
Martyna Chruślińska

11:00 COFFEE BREAK

11:30 REVIEW & DISCUSSION
Calculating the chemical yields of massive stars
Marco Limongi

12:15 ASPECT TALK & DISCUSSION
Yields of very massive stars
Erin Higgins

13:00 LUNCH

14:30 ASPECT TALK & DISCUSSION
Yield diagnostics from multiple populations in clusters
Genevieve Parmentier

15:15 ASPECT TALK & DISCUSSION
Nucleosynthesis of binary-stripped stars
Eva Laplace

16:00 COFFEE BREAK

16:30 ASPECT TALK & DISCUSSION
To merge or not to merge? This is the question for shells, the fate and nucleosynthesis of massive stars.
Raphael Hirschi (online)

17:15 **DAY I** SUMMARY/DISCUSSION
The manifold impact of massive star yields
(led by Cormac Larkin)

18:30 SOCIAL EVENT: DINNER AT IWH

Tuesday

10:00 REVIEW & DISCUSSION
Approaching the endpoints of massive star evolution
William R. Hix

11:00 COFFEE BREAK

11:30 ASPECT TALK & DISCUSSION
p-process nucleosynthesis in core collapse supernovae
Lorenzo Roberti

12:15 ASPECT TALK & DISCUSSION
Insights on late stellar evolution from the Gravitational Wave black hole distribution
Eva Laplace

13:00 LUNCH

14:30 REVIEW & DISCUSSION
Nucleosynthesis from Neutron Star mergers
Andreas Bauswein

15:30 FOCUS DISCUSSION
The impact of multi-dimensional super- and kilonova models on their nucleosynthesis yields
N.N.

16:00 COFFEE BREAK

16:30 FOCUS DISCUSSION
Yields from very- and supermassive stars
N.N.

17:15 **DAY II** SUMMARY/DISCUSSION
Towards a realistic treatment of explosive yields
(led by Elisa Schösser)

18:30 SOCIAL EVENT: HEIDELBERG ALTSTADT TOUR

Wednesday

10:00 REVIEW & DISCUSSION
Winds and mass loss of hot stars
Jorick Vink

11:00 COFFEE BREAK

11:30 ASPECT TALK & DISCUSSION
Observational constraints of mass loss at subsolar metallicity
Varsha Ramachandran

12:15 ASPECT TALK & DISCUSSION
Observations of binary-evolution products: Implications for the mass loss of envelope-stripped stars
Daniel Pauli

13:00 LUNCH

14:30 REVIEW & DISCUSSION
Winds and mass loss of cool stars
Susanne Höfner

15:30 FOCUS DISCUSSION
Dust formation around massive stars
N.N.

16:00 COFFEE BREAK

16:30 ASPECT TALK & DISCUSSION
A dust-free description of Red Supergiant mass loss
N. Dylan Kee

17:15 **DAY III** SUMMARY/DISCUSSION
Parametrization of stellar wind mass loss
(led by Daniel Pauli)

18:30 SOCIAL EVENT: EXCURSION TO PHILOSOPHENWEG

Thursday

10:00 REVIEW & DISCUSSION
Radioactive Nuclides: A tracer of massive stars & supernovae in our solar system
Mario Trieloff

11:00 COFFEE BREAK

11:30 ASPECT TALK & DISCUSSION
What meteorites can tell us about stellar yields
Jan Leitner

12:15 ASPECT TALK & DISCUSSION
The complexity and uncertainty of Wolf-Rayet mass loss
Andreas Sander