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Publications

Glance: A Comprehensive Framework for Galactic Archaeology

Breda, I., van de Ven, G., Thater, S., Mauro, F., Amarantidis, S., Falcón-Barroso, J., Jethwa, P., Feldmeier-Krause, A., Onodera, M., Hensler, G. & Sharma, G., 1 Feb 2026, In: Monthly Notices of the Royal Astronomical Society.

A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE) XIX. The discovery of a spectacular 230 kpc H α tail following NGC 4569 in the Virgo cluster

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Dwarf Galaxies: Keys to Galaxy Formation and Evolution: Proceedings of Symposium 3 of JENAM 2010

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The Morphological Origin of Dwarf Galaxies

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Modelling the chemical evolution

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Modelling the Disk (three-phase) Interstellar Medium

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The effect of clouds on the dynamical and chemical evolution of gas-rich dwarf galaxies

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The first Generation of Virgo Cluster Dwarf Elliptical Galaxies?

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Modeling the Disk (three-phase) Interstellar Medium

Hensler, G., 18 Oct 2008.

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Massive stars: their contribution to energy and element budget in chemo-dynamical galaxy evolution

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The early evolution of tidal dwarf galaxies

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The early evolution of tidal dwarf galaxies

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The effect of clouds in a galactic wind on the evolution of gas-rich dwarf galaxies

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Multi-Phase Chemo-Dynamical SPH code for galaxy evolution

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Chemo-dynamical evolution of the ISM in galaxies

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A Multi-Phase Chemo-Dynamical SPH code for galaxy evolution. Testing the code

Berczik, P., Hensler, G., Theis, C. & Spurzem, R., 2003, In: *Astrophysics and Space Science*. 284, 2, p. 865-868 4 p.

Hot Halo Gas in the Galaxy NGC 2903

Tschöke, D., Hensler, G. & Junkes, N., 2003, In: *Astronomy & Astrophysics*. 411, p. 41 53 p.

Star formation in a multi-phase ISM

Harfst, S., Theis, C. & Hensler, G., 2003, In: *Astrophysics and Space Science*. 284, 2, p. 869-872 4 p.

The evolution of galaxies. III - From simple approaches to self-consistent models: Preface

Hensler, G., Kroupa, P. & Theis, C., 2003, In: *Astrophysics and Space Science*. 284, 2, p. 295-310 16 p.

The Impact of Massive Stars on the Energy Balance of the ISM. I. The Impact of an isolated 60 Msun Star

Freyer, T., Hensler, G. & Yorke, H. W., 2003, In: *The Astrophysical Journal*. 594, p. 888 910 p.

Chemodynamical modelling of galaxy formation and evolution

Berczik, P., Hensler, G., Theis, C. & Spurzem, R., 2002, In: *Astrophysics and Space Science*. 281, 1-2, p. 297-300 4 p.

Exchange processes in a multi-phase ISM

Harfst, S., Theis, C. & Hensler, G., 2002, In: *Astrophysics and Space Science*. 281, 1-2, p. 313-314 2 p.

Chemical Evolution of Dwarf Irregular Galaxies - chemodynamical models and the effect of gas infall

Hensler, G., Rieschick, A. & Köppen, J., 21 Aug 1999.

ROSAT X-ray observations of the interacting pair of galaxies NGC 4410: Evidence for a central starburst

Tschöke, D., Hensler, G. & Junkes, N., 1999, In: *Astronomy & Astrophysics*. 343, 2, p. 373-384 12 p.

Chemical Abundance Ratios and Gas-Phase Mixing in Dwarf Galaxy Evolution

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Chemical Evolution of Galaxies and the Relevance of Gas Processes

Hensler, G. & Rieschick, A., 2 Jun 1998, *Abundance Profiles: Diagnostic Tools for Galaxy History*. Friedli, D., Edmunds, M., Robert, C. & Drissen, L. (eds.). Quebec: Astronomical Society of the Pacific, p. 246-253 (Astronomical Society of the Pacific Conference Series, Vol. 147).

The Exceptionally Soft X-ray Spectrum of the Low-mass Starburst Galaxy NGC 1705

Hensler, G., Dickow, R., Junkes, N. & Gallagher, J. S., 2 Jun 1998, In: *The Astrophysical Journal*. 502

Condensation and evaporation of interstellar clouds in chemodynamical models of galaxies

Köppen, J., Theis, C. & Hensler, G., 1998, In: *Astronomy & Astrophysics*. 331, 2, p. 524-534 11 p.

Fragmentation of expanding shells in spiral and irregular galaxies

Ehlerova, S., Palous, J., Theis, C. & Hensler, G., 1997, In: *Astronomy & Astrophysics*. 328, 1, p. 121-129 9 p.

Activities

Frontiers in Astronomy and Space Sciences (Publisher)

Hensler, G. (Reviewer)

2026 → ...

Subaru Users Meeting

Hensler, G. (Participant)

29 Oct 2025 → 31 Oct 2025

National Astronomical Observatory of Japan

Hensler, G. (Visiting researcher)

16 Oct 2025 → 3 Nov 2025

The lively outskirts of galaxies - the formation of isolated star clusters

Hensler, G. (Speaker)

6 Oct 2025 → 10 Oct 2025

1. Oral presentation: Formation of extragalactic star clusters; 2. oral presentation: The first steps towards an extraordinary career

Hensler, G. (Speaker)

4 Sept 2025 → 5 Sept 2025

1st Meeting of Silk Road Astronomy Research and Education Alliance

Hensler, G. (Participant)

23 Jun 2025 → 26 Jun 2025

Formation of extragalactic star clusters

Hensler, G. (Speaker)

23 Jun 2025 → 26 Jun 2025

Lyman continuum escape from intergalactic star clusters

Hensler, G. (Speaker)

7 Apr 2025 → 11 Apr 2025

National Science Center of Poland

Hensler, G. (Consultant)

2025 → 2026

Das turbulente Leben der Galaxien

Hensler, G. (Speaker)

6 Nov 2024

Annual Meeting of the Astronomische Gesellschaft

Hensler, G. (Participant)

9 Sept 2024 → 13 Sept 2024

The impact of low Star-formation rates on the evolution of Dwarf Galaxies, LSBs, and extragalactic gas clouds

Hensler, G. (Speaker)

1 Jul 2024 → 5 Jul 2024

Annual Scientific Meeting of the Astronomische Gesellschaft

Hensler, G. (Participant)

11 Sept 2023 → 15 Sept 2023

Swiss National Science Fund

Hensler, G. (Consultant)

Jul 2023 → ...

Interdisziplinäre Projekte

Hensler, G. (Consultant)

2023 → 2026

National Science Center of Poland

Hensler, G. (Consultant)

2023 → 2024

OPUS-Programm

Hensler, G. (Consultant)

2023 → ...

Star formation in circumgalactic and intra-cluster gas clouds

Hensler, G. (Participant)

14 Oct 2022

Shaping Galaxies in the Virgo cluster

Hensler, G. (Speaker)

6 Oct 2022

National Science Foundation of Poland

Hensler, G. (Consultant)
Sept 2022 → Feb 2023

Conditioning star formation in intergalactic clouds

Hensler, G. (Speaker)
9 Aug 2022

National Astronomical Observatory of Japan

Hensler, G. (Visiting researcher)
Oct 2019 → Nov 2019

Gas in Galaxies

Hensler, G. (Speaker)
6 Sept 2019 → 14 Sept 2019

National Astronomical Observatory of Japan

Hensler, G. (Visiting researcher)
Apr 2018

European Southern Observatory (Germany) (External organisation)

Hensler, G. (Member)
2016 → 2017

Space Telescope Science Institute (External organisation)

Hensler, G. (Member)
2016

Universität Stuttgart (External organisation)

Hensler, G. (Member)
2016

IAU General Assembly Vienna

Hensler, G. (Participant)
1 Oct 2015 → 31 Dec 2018

National Astronomical Observatory of Japan

Hensler, G. (Visiting researcher)
6 Apr 2015 → 5 Dec 2015

Agence National de la Recherche (External organisation)

Hensler, G. (Contributor)
Jan 2015 → ...

Chemo-dynamical Evolution of Galaxies

Hensler, G. (Speaker)
Nov 2014

Observatório Nacional/MCT

Hensler, G. (Visiting researcher)
Oct 2014 → Nov 2014

Agence National de la Recherche (External organisation)

Hensler, G. (Contributor)
Jan 2014 → Dec 2014

Supernovae and Star-formation

Hensler, G. (Invited speaker)
7 Jan 2013 → 11 Jan 2013

French Alternative Energies and Atomic Energy Commission (CEA) (External organisation)

Hensler, G. (Member)
2013 → ...

IAU General Assembly Vienna

Hensler, G. (Organiser)
1 Oct 2011 → 31 Dec 2019

Advisory Committee of the German Council of Science and Humanities (External organisation)

Hensler, G. (Member)
2011 → 2017

Advisory Committee of the German Council of Science and Humanities (Wissenschaftsrat)

Hensler, G. (Consultant)
2011 → 2017

Evaluation Panel

Hensler, G. (Consultant)
2011 → 2017

Roadmap für Forschungsinfrastrukturen des BMBF

Hensler, G. (Consultant)
2011 → 2017

Saturated heat conduction in high-velocity clouds

Hensler, G. (Contributor)
2011

Wissenschaftsrat Deutschland (External organisation)

Hensler, G. (Member)
2011 → 2017

The morphological transformation of Dwarf Galaxies

Hensler, G. (Invited speaker)
9 Sept 2010

Supernova feedback on the interstellar medium and star formation

Hensler, G. (Invited speaker)
27 Jun 2010 → 3 Jul 2010

What prevents from star formation in high-velocity clouds? : The effect of heat conduction

Hensler, G. (Speaker)
27 Jun 2010

Modelling the chemical Evolution of Galaxies

Hensler, G. (Invited speaker)
11 Aug 2009 → 14 Aug 2009

Techniques of chemodynamical simulations: strengths and weaknesses

Hensler, G. (Invited speaker)
13 Jul 2008

From small to large - The Odyssey of Elements from small-scale Mixing to Galaxy Interactions with the Environment

Hensler, G. (Invited speaker)
23 Jun 2008

The Cosmic Odyssey of the Elements

Hensler, G. (Invited speaker)
10 Jun 2008

3-phase modelling of disk ISM

Hensler, G. (Invited speaker)
8 Jun 2008 → 13 Jun 2008

Interaction of massive stars with their surroundings

Hensler, G. (Invited speaker)
7 Apr 2008 → 11 Apr 2008

Galaxien : Sternensinseln im Universum und Zeugnisse seiner turbulenten Entwicklung

Hensler, G. (Speaker)
23 Nov 2006

ASTRONET, European Organization (External organisation)

Hensler, G. (Chair)
2006 → 2011

Referee Elect

Hensler, G. (Consultant)
1994 → 2002

Referee Elect

Hensler, G. (Consultant)
1994 → 2002

Referee Elect

Hensler, G. (Consultant)
1994 → 2002

Gewählter Fachgutachter der DFG

Hensler, G. (Consultant)
1992 → 2004

Prizes**Astronomische Gesellschaft**

Hensler, G. (Recipient), 2005

Astronomische Gesellschaft

Hensler, G. (Recipient), 2002

Gastprofessor am NAOJ

Hensler, G. (Recipient), 2015

Gastprofessor am Observatoire de Paris/Meudon, Frankreich
Hensler, G. (Recipient), 1996

Gastprofessor am Observatoire de Strasbourg, F
Hensler, G. (Recipient), 2007

Gastprofessor an der Universität von Tsukuba, JAP
Hensler, G. (Recipient), 2010

Wissenschaftsrat
Hensler, G. (Recipient), 2011

Projects

Satellitengalaxien d.Milchstraß
Hensler, G. (Project Lead)
1/07/08 → 30/06/11