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Forskning

Mitt forskningsområde är stjärnspektroskopi. Mitt huvudprojekt rör frågan hur galaxer uppkommer och utvecklas, med specifikt intresse för stjärnpopulationer i den central strukturen i Vintergatan och i Vintergatans mitt, och hur dessa förhåller sig till varandra. Genom att studera stjärnor spektroskopiskt i dessa strukturer kan vi lära oss hur Vintergatan, som är en typisk spiralgaalax, uppkom och hur den utecklats sedan dess. Metoden jag använder mig av i min forksning är att analysera jättestjärnor i infrarött ljus i hög spektral upplösning. En röd tråd genom min forskningskarriär har varit att utnyttja de möjligheter som har öppnats genom utvecklandet av infraröda detektorer i frontlinjen, och att utveckla analysmetoder för det nya forskningsområdet infraröd stjärnspektroskopi. För mer information, se www.astro.lu.se/~ryde

Kvalifikationer

teknisk fysik, civilingenjör, Institutioner vid LTH

Anställning

Professor, Avdelningsföreståndare
Astrofysik
Lunds universitet
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2022 dec. 23 → present

Forskningsoutput

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Aktiviteter

Côte d'Azur Observatory
Nils Ryde (Gästforskare)
2019 juni 24 → 2019 juli 20

The Galactic bulge in context of the MOSAIC spectrograph for the ELT
Nils Ryde (Inbjuden talare)
2019 mars

`Abundance trends in the Bulge'
Nils Ryde (Talare)
2019 feb.

`Abundance trends in the Bulge'
Nils Ryde (Talare)
2019 jan.

`Detailed Abundances of Giants in the Inner Bulge and Galactic Centre'
Nils Ryde (Talare)
2018 dec.

`The Milky Way's disks and bulge'
Nils Ryde (Huvudtalare)
2018 nov.

`Detailed Near-IR Stellar Abundances of Red Giants in the Galacitc Cluster'
Nils Ryde (Talare)
2018 okt.

Press release from Lund University
Nils Ryde (Roll ej angiven)
2018 okt. → 2018 dec.

`Detailed near-IR stellar abundances of the Galactic Centre'
Nils Ryde (Roll ej angiven)
2018 jan.

`Detailed Abundances of Giants in the Inner Bulge and Galactic Centre'
Nils Ryde (Huvudtalare)
2017 juli

`Detailed near-IR stellar abundances of the Galactic Centre'
Nils Ryde (Talare)
2017 jan.

`Infrared Stellar Spectroscopy and Analysis'
Nils Ryde (Inbjuden talare)
2015 nov.

`Detailed near-IR stellar abundances of the Galactic Centre'
Nils Ryde (Talare)
2015 jan.

Vilka hemligheter ruvar Vintergatans centrum på?
Nils Ryde (Talare)
2010 mars 31

Priser och utmärkelser

Excellent Lärare
Ryde, Nils (Mottagare), 2012 sep. 21

Jury of Habilitation, Paris
Ryde, Nils (Mottagare), 2019 mars

KVA:s särskild forskartjänst (akademiforskare)
Ryde, Nils (Mottagare), 2007 sep. 1

Ledamot Kungl. Fysiografiska Sällskapet
Ryde, Nils (Mottagare), 2021

Member of Sällskapet Lundaakademikerna
Ryde, Nils (Mottagare), 2010 apr.

Forskningsmedel

Vintergatans centrum med MOONS
Ryde, N.
Swedish Research Council: 3 900 000,00 kr
2024/01/01 → 2028/12/31

Projekt

4MOST: 4MOST - massive spectroscopic surveys of the Milky Way and the Universe
Feltzing, S., Church, R., Hobbs, D., Bensby, T., Ryde, N., Hartman, H., Mcmillan, P., Jönsson, H., Agertz, O., Howes, L., Kushniruk, I., Agertz, O., Traven, G. & Feuillet, D.

2011/01/01 → 2029/12/31

Carl-TryggerStiftelse: Water on Stars
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2012/01/01 → 2013/12/31

Crafoordska stiftelsen: Post doc for Henrik Jönsson
Ryde, N.

Gaia-ESO Survey
Gilmore, G., Randich, S., Feltzing, S., Bensby, T., Howes, L., Gruyters, P., Ryde, N., Stonkute, E. & Ruchti, G.
2012/12/24 → 2022/07/01

Kungl. Fysiografiska Sällskapet: Infrared stellar spectroscopy
Ryde, N.
2012/01/01 → 2013/12/31

Kungl. Fysiografiska Sällskapet: Stjärnspektroskopiska undersöksningar av Vintergatans bulb
Ryde, N.
2008/01/01 → 2009/12/31

KVA research fellow: Unveiling the Central Region of our Galaxy: How was it Formed and how did it Evolve?
Ryde, N.
2008/01/01 → 2012/12/31

PhD project: The cosmic origin of fluorine and sulphur: Infrared spectroscopic studies of red giants
Jönsson, H., Ryde, N. & Dravins, D.
2009/03/01 → 2015/06/05

PhD project: The origin and evolution of the Galactic Center
Thorsbro, B., Ryde, N., Jönsson, H. & Nilsson, H.
2016/07/01 → 2020/09/25

SOEB: Stiftelsen Olle Engkvist Byggmästare, Postdoc stipendium for Henrik Jönsson for two years
Ryde, N. & Jönsson, H.
2017/04/01 → 2019/04/01

NMW: The New Milky Way
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Knut and Alice Wallenberg Foundation
2014/07/01 → 2027/06/30

Vintergatans centrum med MOONS
Ryde, N. & Nandakumar, G.
Swedish Research Council
2024/01/01 → 2028/12/31

VR-projektbidrag: Infraröd spektroskopi - ett nytt fönster mot galaktisk astronomi
Ryde, N.
2009/01/01 → 2013/12/31

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Ryde, N.
2015/01/01 → 2017/12/31