

Publications

BOTTOM-UP DUST NUCLEATION THEORY IN OXYGEN-RICH EVOLVED STARS II. MAGNESIUM AND CALCIUM ALUMINATE CLUSTERS
GOBRECHT, D.; HASHEMI, S. R.; PLANE, J. M. C.; BROMLEY, S. T.; NYMAN, G.; DECIN, L.
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ATOMIUM: PROBING THE INNER WIND OF EVOLVED O-RICH STARS WITH NEW, HIGHLY EXCITED H₂O AND OH LINES
BAUDRY, A.; WONG, K. T.; ETOKA, S. ET AL.
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ASTRONOMY & ASTROPHYSICS, VOLUME 671, A169 2023

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DOUGLAS, K. M.; GOBRECHT, D.; PLANE, J. M. C.
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BOTTOM-UP DUST NUCLEATION THEORY IN OXYGEN-RICH EVOLVED STARS I. ALUMINIUM OXIDE CLUSTERS
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ATOMIUM: ALMA TRACING THE ORIGINS OF MOLECULES IN DUST FORMING OXYGEN RICH M-TYPE STARS. MOTIVATION, SAMPLE, CALIBRATION, AND INITIAL RESULTS
GOTTLIEB, C. A.; DECIN, L. RICHARDS, A. M. S. ET AL.
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**EVOLUTION, NUCLEOSYNTHESIS, AND YIELDS OF AGB STARS AT DIFFERENT METALLICITIES.
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Talks

- JUNE 2023 PHYSICAL COLLOQUIUM TALK AT THE [UNIVERSITY OF KASSEL](#) IN KASSEL, GERMANY
- JUNE 2023 SEMINAR TALK AT THE [UNIVERSITY OF UPPSALA](#) IN UPPSALA, SWEDEN
- JUNE 2022 SEMINAR TALK AT THE [NICOLAUS COPERNICUS ASTRONOMICAL CENTER](#) IN TORUN, POLAND
- SEPTEMBER 2021 TALK (CONTRIBUTED) AT THE “[ECLA: LINKING DUST, GAS AND ICE IN SPACE](#)” CONFERENCE IN ANACAPRI, ITALY
- APRIL 2021 TALK (CONTRIBUTED) AT THE “[DELVE: THE DEATH-THROES OF EVOLVED STARS, A VIRTUAL ENCOUNTER](#)” ONLINE CONFERENCE, BELGIUM
- DECEMBER 2020 LECTURE FOR [JONG KCVC](#) ON [FROM DUST TILL DAWN – HOW SOLIDS AFFECT COSMIC LIFE](#) ONLINE LECTURE, BELGIUM
- JUNE 2019 TALK (CONTRIBUTED) AT THE “[EWASS 2019 \(S7\): COSMIC DUST \(R\)EVOLUTION](#)” SYMPOSIUM IN LYON, FRANCE
- APRIL 2019 TALK (CONTRIBUTED) AT THE “[IAU S350: LABORATORY ASTROPHYSICS](#)” CONFERENCE IN CAMBRIDGE, UNITED KINGDOM
- SEPTEMBER 2018 TALK (INVITED) AT THE “[COST CM1401: OUR ASTRO-CHEMICAL HISTORY](#)” WORKSHOP IN ASSEN, THE NETHERLANDS
- AUGUST 2018 TALK (CONTRIBUTED) AT THE “[IAU FOCUS MEETING \(FM\) 10: NANO DUST IN SPACE AND ASTROPHYSICS](#)” IN VIENNA, AUSTRIA
- AUGUST 2018 TALK (INVITED) AT THE “[IAU SYMPOSIUM 343: WHY GALAXIES CARE ABOUT AGB STARS A CONTINUING CHALLENGE THROUGH COSMIC TIME](#)” IN VIENNA, AUSTRIA
- NOVEMBER 2016 TALK (CONTRIBUTED) AT THE “[EUROPEAN CONFERENCE ON LABORATORY ASTROPHYSICS: GAS ON THE ROCKS](#)” IN MADRID, SPAIN
- AUGUST 2016 REVIEW TALK (INVITED) AT THE “[RENCONTRE DU VIETNAM: BLOWING IN THE WIND](#)” CONFERENCE IN QUY NHONG, VIETNAM
- JULY 2016 TALK (CONTRIBUTED) AT THE “[XII TORINO WORKSHOP ON AGB STARS](#)” CONFERENCE IN BUDAPEST, HUNGARY
- SEPTEMBER 2015 TALK AT THE “[SILICATES IN SPACE](#)” WORKSHOP IN HEIDELBERG, GERMANY
- JULY 2015 TALK (CONTRIBUTED) AT THE “[PHYSICS OF EVOLVED \(POE\) STARS 2015](#)” CONFERENCE IN NICE, FRANCE
- SEPTEMBER 2014 SEMINAR TALK AT [THE ASTRONOMICAL OBSERVATORY \(OACTe\)](#) IN TERAMO, ITALY
- JULY 2014 TALK (INVITED) AT THE “[WHY GALAXIES CARE ABOUT AGB STARS A CLOSER LOOK IN SPACE AND TIME](#)” IN VIENNA, AUSTRIA
- NOVEMBER 2012 TALK (INVITED) AT THE “[CoDUSTMAS](#)” WORKSHOP IN PERUGIA, ITALY