



**VILNIAUS UNIVERSITETO  
FIZIKOS FAKULTETO TARYBA**

**NUTARIMAS  
DĖL PROF. H. KJELDSSEN KANDIDATŪROS Į VILNIAUS UNIVERSTITETO  
GARBĖS DAKTARUS TEIKIMO**

Vadovaudamasi Vilniaus universiteto Statutu, Vilniaus universiteto emeritūros, afiliacijos ir garbės vardų nuostatais ir Vilniaus universiteto Fizikos fakulteto nuostatais, Vilniaus universiteto Fizikos fakulteto taryba

n u t a r i a teikti Vilniaus universiteto Senatui prof. Hans Kjeltsen kandidatūrą Vilniaus universiteto garbės daktaro vardui.

## Prof. Hans Kjeldsen WoS straipsniai su VU afiliacija:

1. von Essen, C.; Stefansson, G.; Mallonn, M.; Pursimo, T.; Djupvik, A. A.; Mahadevan, S.; Kjeldsen, H.; Freudenthal, J.; Dreizler, S., First light of engineered diffusers at the Nordic Optical Telescope reveal time variability of the optical eclipse depth of WASP-12b, 2019, *Astronomy & Astrophysics*, Volume 628, id.A115, pp. 10.1051/0004-6361/201935312
2. Tautvaišienė, G., Mikolaitis, Š., Drazdauskas, A., Stonkutė, E., Minkevičiūtė, R., Kjeldsen, H., Brogaard, K., von Essen, C., Grundahl, F., Pakštienė, E., Bagdonas, V., & Vázquez, C. V., Chemical Composition of Bright Stars in the Continuous Viewing Zone of the TESS Space Mission, 2020, *Astrophysical Journal Supplement Series*, 248, 19.
3. Stonkutė, E., Chorniy, Y., Tautvaišienė, G., Drazdauskas, A., Minkevičiūtė, R., Mikolaitis, Š., Kjeldsen, H., von Essen, C., Pakštienė, E., & Bagdonas, V., High-resolution Spectroscopic Study of Dwarf Stars in the Northern Sky: Lithium, Carbon, and Oxygen Abundances, 2020, *Astronomical Journal*, 159, 90.
4. Bedding, T. R., Murphy, S. J., Hey, D. R., Huber, D., Li, T., Smalley, B., Stello, D., White, T. R., Ball, W. H., Chaplin, W. J., Colman, I. L., Fuller, J., Gaidos, E., Harbeck, D. R., Hermes, J. J., Holdsworth, D. L., Li, G., Li, Y., Mann, A. W., Reese, D. R., Sekaran, S., Yu, J., Antoci, V., Bergmann, C., Brown, T. M., Howard, A. W., Ireland, M. J., Isaacson, H., Jenkins, J. M., Kjeldsen, H., McCully, C., Rabus, M., Rains, A. D., Ricker, G. R., Tinney, C. G., & Vanderspek, R. K., Very regular high-frequency pulsation modes in young intermediate-mass stars, 2020, *Nature*, 581, 147.
5. Chaplin, W. J., Serenelli, A. M., Miglio, A., Morel, T., Mackereth, J. T., Vincenzo, F., Kjeldsen, H., Basu, S., Ball, W. H., Stokholm, A., Verma, K., Mosumgaard, J. R., Silva Aguirre, V., Mazumdar, A., Ranadive, P., Antia, H. M., Lebreton, Y., Ong, J., Appourchaux, T., Bedding, T. R., Christensen-Dalsgaard, J., Creevey, O., García, R. A., Handberg, R., Huber, D., Kawaler, S. D., Lund, M. N., Metcalfe, T. S., Stassun, K. G., Bazot, M., Beck, P. G., Bell, K. J., Bergemann, M., Buzasi, D. L., Benomar, O., Bossini, D., Bugnet, L., Campante, T. L., Orhan, Z. Çelik., Corsaro, E., González-Cuesta, L., Davies, G. R., Di Mauro, M. P., Egeland, R., Elsworth, Y. P., Gaulme, P., Ghasemi, H., Guo, Z., Hall, O. J., Hasanzadeh, A., Hekker, S., Howe, R., Jenkins, J. M., Jiménez, A., Kiefer, R., Kuszlewicz, J. S., Kallinger, T., Latham, D. W., Lundkvist, M. S., Mathur, S., Montalbán, J., Mosser, B., Bedón, A. M., Nielsen, M. B., Örtel, S., Rendle, B. M., Ricker, G. R., Rodrigues, T. S., Roxburgh, I. W., Safari, H., Schofield, M., Seager, S., Smalley, B., Stello, D., Szabó, R., Tayar, J., Themeßl, N., Thomas, A. E. L., Vanderspek, R. K., van Rossem, W. E., Vrad, M., Weiss, A., White, T. R., Winn, J. N., & Yıldız, M., Age dating of an early Milky Way merger via asteroseismology of the naked-eye star v Indi, 2020, *Nature Astronomy*, 4, 382.
6. Metcalfe, T. S.; van Saders, J. L.; Basu, S.; Buzasi, D.; Chaplin, W.J.; Egeland, R.; Garcia, R. A.; Gaulme, P.; Huber, D.; Reinhold, T.; Schunker, H.; Stassun, K. G.; Appourchaux, T.; Ball, W. H.; Bedding, T. R.; Deheuvels, S.; González-Cuesta, L.; Handberg, R.; Jiménez, A.; Kjeldsen, H.; Li, T.; Lund, M. N.; Mathur, S.; Mosser, B.; Nielsen, M. B.; Noll, A.; Çelik Orhan, Z.; Örtel, S.; Santos, Â. R. G.; Yıldız, M.; Baliunas, S.; Soon, W.; The Evolution of Rotation and Magnetic Activity in 94 Aqr

Aa from Asteroseismology with TESS, *The Astrophysical Journal*, 900:154, (11 pp), 2020.

7. Aguirre, V. S., Stello, D., Stokholm, A., Mosumgaard, J. R., Ball, W. H., Basu, S., Bossini, D., Bugnet, L., Buzasi, D., Campante, T. L., Carboneau, L., Chaplin, W. J., Corsaro, E., Davies, G. R., Elsworth, Y., García, R. A., Gaulme, P., Hall, O. J., Handberg, R., Hon, M., Kallinger, T., Kang, L., Lund, M. N., Mathur, S., Mints, A., Mosser, B., Çelik Orhan, Z., Rodrigues, T. S., Vrad, M., Yıldız, M., Zinn, J. C., Örtel, S., Beck, P. G., Bell, K. J., Guo, Z., Jiang, C., Kuszlewicz, J. S., Kuehn, C. A., Li, T., Lundkvist, M. S., Pinsonneault, M., Tayar, J., Cunha, M. S., Hekker, S., Huber, D., Miglio, A., F. G. Monteiro, M. J. P., Slumstrup, D., Winther, M. L., Angelou, G., Benomar, O., Bódi, A., De Moura, B. L., Deheuvels, S., Derekas, A., Di Mauro, M. P., Dupret, M.-A., Jiménez, A., Lebreton, Y., Matthews, J., Nardetto, N., do Nascimento, J. D., Pereira, F., Rodríguez Díaz, L. F., Serenelli, A. M., Spitoni, E., Stonkutė, E., Suárez, J. C., Szabó, R., Van Eylen, V., Ventura, R., Verma, K., Weiss, A., Wu, T., Barclay, T., Christensen-Dalsgaard, J., Jenkins, J. M., Kjeldsen, H., Ricker, G. R., Seager, S., & Vanderspek, R., Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite, 2020, *Astrophysical Journal Letters*, 889, L34.
8. von Essen, C., Lund, M. N., Handberg, R., Sosa, M. S., Gadeberg, J. T., Kjeldsen, H., Vanderspek, R. K., Mortensen, D. S., Mallonn, M., Mammana, L., Morgan, E. H., Villaseñor, J. N. S., Fausnaugh, M. M., & Ricker, G. R., TESS Data for Asteroseismology: Timing Verification, 2020, *Astronomical Journal*, 160, 34.
9. Brogaard, K., Pakštienė, E., Grundahl, F., Mikolaitis, Š., Tautvaišienė, G., Slumstrup, D., Talens, G. J. J., VandenBerg, D. A., Miglio, A., Arentoft, T., Kjeldsen, H., Janulis, R., Drazdauskas, A., Marchini, A., Minkevičiūtė, R., Stonkutė, E., Bagdonas, V., Fredslund Andersen, M., Jessen-Hansen, J., Pall, P. L., Dorval, P., Snellen, I. A. G., Otten, G. P. L., & White, T. R., Properties of the Hyades, the eclipsing binary HD 27130, and the oscillating red giant  $\epsilon$  Tauri, 2021, *Astronomy & Astrophysics*, 645, A25.
10. Tautvaišienė, G., Mikolaitis, Š., Drazdauskas, A., Stonkutė, E., Minkevičiūtė, R., Pakštienė, E., Kjeldsen, H., Brogaard, K., Chorniy, Y., von Essen, C., Grundahl, F., Ambrosch, M., Bagdonas, V., Sharma, A., and Viscasillas Vázquez, C., Chemical Composition of Bright Stars in the Northern Hemisphere: Star-Planet Connection, 2022, *The Astrophysical Journal Supplement Series*, 259, 45.
11. Huber, Daniel, White, Timothy R., Metcalfe, Travis S., Chontos, Ashley, Fausnaugh, Michael M., Ho, Cynthia S. K., Van Eylen, Vincent, Ball, Warrick H., Basu, Sarbani, Bedding, Timothy R., Benomar, Othman, Bossini, Diego, Breton, Sylvain, Buzasi, Derek L., Campante, Tiago L., Chaplin, William J., Christensen-Dalsgaard, Jørgen, Cunha, Margarida S., Deal, Morgan, García, Rafael A., García Muñoz, Antonio, Gehan, Charlotte, González-Cuesta, Lucía, Jiang, Chen, Kayhan, Cen, Kjeldsen, Hans, Lundkvist, Mia S., Mathis, Stéphane, Mathur, Savita, Monteiro, Mário J. P. F. G., Nsamba, Benard, Ong, Jia Mian Joel, Pakštienė, Erika, Serenelli, Aldo M., Silva Aguirre, Victor, Stassun, Keivan G., Stello, Dennis, Norgaard Stilling, Sissel, Lykke Winther, Mark, Wu, Tao, Barclay, Thomas, Daylan, Tansu, Günther, Maximilian N., Hermes, J. J., Jenkins, Jon M., Latham, David W., Levine, Alan M., Ricker, George R., Seager, Sara, Shporer, Avi, Twicken, Joseph D., Vanderspek, Roland K., and Winn, Joshua N., A 20 Second Cadence View of Solar-type Stars and Their Planets with

TESS: Asteroseismology of Solar Analogs and a Recharacterization of  $\pi$  Men c, 2022,  
The Astronomical Journal, 163, 79.

# HANS KJELDEN

ORCID ID: 0000-0002-9037-0018



**Current Position:** Full professor

**Previous positions:**

Associate Professor at AU (2004-2013)

Research Scientist at the Theoretical Astrophysics Center, AU (1994-2004)

Postdoc at the European Southern Observatory (1992-1993)

**Degree:**

PhD in Astronomy from Aarhus University, Denmark, 1993

**Publications:**

Number of refereed publications (1989-2023):

283

Total number of citations (ADS):

34270

h-index (ADS):

93

**Selected Membership of Scientific Committees and Organizations:**

*Instruments and Space Projects*

Member of National Space Board (2018-2021)

Member of PLATO Board ESA (2018-2019 and since 2022)

PI of the Delphin1-1 and STEP space missions (since 2016)

Head of the Instrument Centre for Danish Astrophysics (IDA) (since 2014)

NASA Kepler Science team member (2005-2013)

Project Scientist for KASC and TASC (related to Kepler and TESS, since 2007)

Co-Investigator on the CoRoT satellite project, CNES/ESA (2003-2010)

*Observatories*

Member of the Nordic Optical Telescope Council (since 2005, Chair 2017-2018)

Member of the European Southern Observatory Users Committee (2013-2015, Chair 2014-2015)

Member of the European Southern Observatory Observing Programmes Committee (2009-2011)

Member of the European Southern Observatory Scientific Technical Committee (2004-2008)

*Other committees and organizations*

Member of the Academic Committee, the Faculty of Science and Technology, AU (2008-2012)

Member of the Swedish Research Council (VR) Review Committee (NT-NM) (2008-2011)

Member of the Swedish Research Council Review Committee for research infrastructure (2017)

Member of the review committee for Lund University in Sweden (2020)

Member of Fagligt Forum for Fysik and Lærerplansudvalget for astronomi (2005-2015, 2016-2017)

Member of "Forskningsetisk komité" at Aarhus University (since 2022)

Odder Gymnasiums bestyrelse (member since 2009)

Member of 'censor korpset' for Physics (since 2008)

Member of the International Astronomical Union (IAU)

### **Prizes and awards:**

- Aarhus University Jubilee Fund's Pedagogical Prize of Honour (*Aarhus Universitets Jubilæumsfonds Pædagogiske Hæderspris*) in recognition of outstanding teaching at Aarhus University (2010)
- Education Award 2014, Science and Technology, Aarhus Universitet
- NASA Group Achievement Award for outstanding science guidance and exemplary creativity and dedication in connection to the Kepler on-orbit operations and science (2010)

### **Leadership and management, including leadership in international collaborations:**

I am at present professor at Aarhus University and, as Centre Manager of the Stellar Astrophysics Centre responsible for the management and administration. As member of several national and international committees, I have a lot of experience in relation to research politics and definition of research strategies. Since 2014 I have been the head of IDA (The Danish Instrument Centre for Astrophysics). As part of this work I successfully led the transfer of the Nordic Optical Telescope from to become an infrastructure under Aarhus University. From 1/1/2022 I am the head of Aarhus Space Centre (SpaCe) at Aarhus University. In 2007 we created the Kepler Asteroseismic Science Consortium (KASC) to support the Kepler space mission. I have had the task of defining the structure and policies behind KASC, as well as dealing with many practical issues in relation to the KASC activities. KASC has set the standards for future large collaborations in this field.

### **Funding:**

In the past 15 years, I have been PI of a number of grants with a total funding of 58.7 MDKK (7.8 MEuro). Those grants cover basic research and research infrastructure (AUSAT (AUFF, SFU), SONG (ST, Carlsberg, NovoNordisk), IDA (SFU), NOT (SFU), PLATO (ESA PRODEX), STEP (ESA PRODEX, Danish Roadmap for research infrastructure), NordForsk (NOTSC)). As co-I I have been part of applications for more than 150 MDKK over the past 15 years.

### **Research experience:**

Understanding stars, their interiors, their environments and activity and their planetary systems are the goals of the research I am doing. I am an observational astrophysicist with a broad interest in all stellar astrophysics, including the impact of stellar physics on astronomy, cosmology and physics in general. The core of my research is high-precision measurements that can be used to obtain detailed information and determine properties of stars and exoplanets.

### **Main scientific achievements and my most important contributions to astrophysics are:**

- **The first detection of p-mode oscillations in another star:** Using the NOT to observe the subgiant star eta Bootis, we produced strong evidence for oscillations with frequencies that were later found to agree with theoretical models. The observations on eta Bootis are now recognised as the first detection of individual p-mode frequencies like those seen in the Sun (Kjeldsen et al. 1995, *Astron. J.*, 109, 1313).

- **The ultimate precision:** In 2001-2004 I used together with some of my collaborators the UCLES spectrograph at the AAT at Siding Spring, the UVES spectrograph at the UT2 at VLT at ESO Paranal to detect a large number of oscillation modes in the nearest star to our Earth; alpha Centauri (see Bedding, Kjeldsen, Butler et al., 2004, *Astrophys. J.*, 614, 380 and Kjeldsen et al. 2005, *Astrophys.J.*635:1281). All the work done in ground-based asteroseismology form the basis for the SONG project and the first results from SONG (Grundahl et al. 2016, submitted) show that ground-based asteroseismology will have a bright future.

- **The Kepler revolution and accurate properties of exoplanets:** I worked with the Kepler Team on defining how asteroseismology could be a major activity in the Kepler space mission, and how it could revolutionize our knowledge about stellar physics. It was understood long before the launch of the Kepler that asteroseismology could impact exoplanet research, and that this would be the only way to measure very high quality properties for exoplanets. During the nominal part of the Kepler mission, I provided vital input to optimizing the Kepler target selection in collaboration with the Kepler team.

### **General management, teaching and public outreach:**

I am involved in several space missions (CoROT, NASA Kepler, NASA TESS, Delphini-1, STEP and ESA PLATO). I have experience in collaboration with the industry in relation to development of payloads for space missions. During the past 15 years, I have been invited to give more than 30 talks at international conferences. I am teaching at all levels in the university curriculum and have developed and lectured at many courses on space science and astrophysics. **I have supervised 11 PhD students, 55 MSc Thesis students and 41 BSc Thesis students.** I have been active in mentoring the PhD students that I have supervised by supporting their

future research careers. The students (7) that have obtained their PhD in the past 15 years have all continued as research postdocs (some on personal research grants). I am very active in public outreach. I have written teaching materials and books for upper secondary schools (Gymnasiet). I give approx. 50 lectures a year in various associations, upper secondary schools, planetariums, Danish University Extensions, etc.

### Most important publications:

- . **Kjeldsen, H.**; Bedding, T. R., 1995, “*Amplitudes of stellar oscillations: the implications for asteroseismology.*”, AA, **293**, 87.
- . **Kjeldsen, Hans**; Bedding, Timothy R.; Viskum, Michael; Frandsen, Søren, 1995, “*Solar-like oscillations in  $\epsilon$  Boo*”, AJ, **109**, 1313
- . **Kjeldsen, H.**, Bedding, T. R., Butler, R. P., Christensen-Dalsgaard, J., Kiss, L. L., McCarthy, C., Marcy, G. W., Tinney, C. G., Wright, J. T., 2005, *Solar-like Oscillations in  $\alpha$  Centauri B*, The Astrophysical Journal, 635, 1281
- . **Kjeldsen, H.**, Bedding, T. R., Arentoft, T., Butler, R. P., Dall, T. H., Karoff, C., Kiss, L. L., Tinney, C. G.; Chaplin, W. J., 2008, *The Amplitude of Solar Oscillations Using Stellar Techniques*, The Astrophysical Journal, 682, 1370
- . **Kjeldsen, H.**, Bedding, T.R., Christensen-Dalsgaard, J., 2008, *Correcting Stellar Oscillation Frequencies for Near-Surface Effects*, The Astrophysical Journal Letters, 683, L175
- . **Kjeldsen, H.**, Christensen-Dalsgaard, J., Handberg, R., Brown, T. M., Gilliland, R. L., Borucki, W. J., Koch, D., 2010, *The Kepler Asteroseismic Investigation: Scientific goals and first results*, Astronomische Nachrichten, 331, 966
- . Lundkvist, M. S., **Kjeldsen, H.**, Albrecht, S. et al., 2016, *Hot super-Earths stripped by their host stars*, Nature Communications, 7, id. 11201
- . Grundahl, Frank; Andersen, Mads Fredslund; Christensen-Dalsgaard, Jørgen; Antoci, Victoria; **Kjeldsen, Hans**; et al. 2017, “*First Results from the Hertzprung SONG Telescope: Asteroseismology of the G5 Subgiant Star  $\mu$  Herculis.*”. The Astrophysical Journal, Volume 836, Issue 1, p. 142.
- . Chaplin, William J.; Serenelli, Aldo M.; Miglio, Andrea; Morel, Thierry; Mackereth, J. Ted; Vincenzo, Fiorenzo; **Kjeldsen, Hans**; et al., 2020, “*Age dating of an early Milky Way merger via asteroseismology of the naked-eye star  $\nu$  Indi*”, Nature Astronomy, Volume 4, p. 382-389.
- . Chontos, Ashley; Huber, Daniel; Berger, Travis A.; **Kjeldsen, Hans**; et al., 2022, “*TESS Asteroseismology of  $\alpha$  Mensae: Benchmark Ages for a G7 Dwarf and Its M Dwarf Companion*”, The Astrophysical Journal, Volume 922, Issue 2, id.229, 15 pp.

# List of Publications: Hans Kjeldsen (1988 – 2023)

Number of refereed publications (1989-2023): 283  
Number of refereed publications in past 5 years: 35  
Number of publications (1988-2023): 397  
Total number of citations (ADS): 34270  
h-index (ADS): 93

## Peer-reviewed / Refereed Publications:

### 2023

[283] Henriksen, Andreea I.; Antoci, Victoria; Saio, Hideyuki ; Cantiello, Matteo ; **Kjeldsen, Hans** ; Kurtz, Donald W; Murphy, Simon J.; Mathur, Savita ; García, Rafael A. ; Santos, Ângela R. G., 2023, “Rotational modulation in A and F stars: magnetic stellar spots or convective core rotation?”, *Monthly Notices of the Royal Astronomical Society*, Volume 520, Issue 1, pp.216-232

### 2022

[282] Tautvaišienė, G.; Mikolaitis, Š.; Drazdauskas, A.; Stonkutė, E.; Minkevičiūtė, R.; Pakštienė, E.; **Kjeldsen, H.**; Brogaard, K.; Chorniy, Y.; von Essen, C.; Grundahl, F.; Ambrosch, M.; Bagdonas, V.; Sharma, A.; Viscasillas Vázquez, C., 2022. “*Chemical Composition of Bright Stars in the Northern Hemisphere: Star-Planet Connection*”, *The Astrophysical Journal Supplement Series*, Volume 259, Issue 2, id.45, 13 pp.

[281] Colman, Isabel L.; Bedding, Timothy R.; Huber, Daniel; **Kjeldsen, Hans**, 2022, “*The Kepler IRIS Catalog: Image Subtraction Light Curves for 9150 Stars in and around the Open Clusters NGC 6791 and NGC 6819*”, *The Astrophysical Journal Supplement Series*, Volume 258, Issue 2, id.39, 15 pp.

[280] Huber, Daniel; White, Timothy R.; Metcalfe, Travis S.; Chontos, Ashley; Fausnaugh, Michael M.; Ho, Cynthia S. K.; Van Eylen, Vincent; Ball, Warrick H.; Basu, Sarbani; Bedding, Timothy R.; Benomar, Othman ; Bossini, Diego ; Breton, Sylvain; Buzasi, Derek L.; Campante, Tiago L.; Chaplin, William J.; Christensen-Dalsgaard, Jørgen; Cunha, Margarida S.; Deal, Morgan; García, Rafael A.; García Muñoz, Antonio; Gehan, Charlotte; González-Cuesta, Lucía ; Jiang, Chen; Kayhan, Cenk; **Kjeldsen, Hans**; Lundkvist, Mia S.; Mathis, Stéphane ; Mathur, Savita; Monteiro, Mário J. P. F. G.; Nsamba, Benard; Ong, Jia Mian Joel; Pakštienė, Erika ; Serenelli, Aldo M.; Silva Aguirre, Victor; Stassun, Keivan G.; Stello, Dennis ; Norgaard Stilling, Sissel ; Lykke Winther, Mark ; Wu, Tao; Barclay, Thomas; Daylan, Tansu; Günther, Maximilian N.; Hermes, J. J.; Jenkins, Jon M.; Latham, David W.; Levine, Alan M.; Ricker, George R.; Seager, Sara; Shporer, Avi; Twicken, Joseph D.; Vanderspek, Roland K.; Winn, Joshua N., 2022, “*A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of  $\pi$  Men c*”, *The Astronomical Journal*, Volume 163, Issue 2, id.79, 17 pp.

[279] Breton, S. N.; Pallé, P. L.; García, R. A.; Fredslund Andersen, M.; Grundahl, F.; Christensen-Dalsgaard, J.; **Kjeldsen, H.**; Mathur, S., 2022, “*No swan song for Sun-as-a-star helioseismology: Performances of the Solar-SONG prototype for individual mode characterisation*”, *Astronomy & Astrophysics*, Volume 658, id.A27, 21 pp.

[278] Molnár, L.; Bódi, A.; Pál, A.; Bhardwaj, A.; Hamsch, F. -J. ; Benkő, J. M.; Derekas, A.; Ebadi, M. ; Joyce, M.; Hasanzadeh, A.; Kolenberg, K.; Lund, M. B.; Nemeč, J. M.; Netzel, H.; Ngeow, C. -C.; Pepper, J.; Plachy, E.; Prudil, Z.; Siverd, R. J.; Skarka, M.; Smolec, R.; Sódor, Á.; Sylla, S. ; Szabó, P.; Szabó, R.; **Kjeldsen, H.**; Christensen-Dalsgaard, J.; Ricker, G. R., 2022, “*First Results on RR Lyrae Stars with the TESS Space Telescope: Untangling the Connections between Mode Content, Colors, and Distances*”, *The Astrophysical Journal Supplement Series*, Volume 258, Issue 1, id.8, 44 pp.



2021

[277] Chontos, Ashley; Huber, Daniel; Berger, Travis A.; **Kjeldsen, Hans**; Serenelli, Aldo M.; Silva Aguirre, Victor; Ball, Warrick H.; Basu, Sarbani; Bedding, Timothy R.; Chaplin, William J.; Claytor, Zachary R.; Corsaro, Enrico; Garcia, Rafael A.; Howell, Steve B.; Lundkvist, Mia S.; Mathur, Savita; Metcalfe, Travis S.; Nielsen, Martin B.; Mian Joel Ong, Jia; Çelik Orhan, Zeynep ; Örtel, Sibel ; Salama, Maissa; Stassun, Keivan G.; Townsend, R. H. D.; van Saders, Jennifer L.; Winther, Mark ; Yildiz, Mutlu; Butler, R. Paul; Tinney, C. G.; Wittenmyer, Robert A., 2021, “*TESS Asteroseismology of  $\alpha$  Mensae: Benchmark Ages for a G7 Dwarf and Its M Dwarf Companion*”, The Astrophysical Journal, Volume 922, Issue 2, id.229, 15 pp.

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**DETALŪS METADUOMENYS**

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