

VIII LA PLATA INTERNATIONAL SCHOOL

PULSATIONS ALONG STELLAR EVOLUTION

NOV 11-22
2019

LA PLATA
ARGENTINA

Summer school for PhD students,
early-career post-docs and late-stage
under-graduate students

No registration fee

IMAGE CREDITS:SIXTO GIMÉNEZ BENÍTEZ

MAIN TOPICS

- Theory of pulsations, p and g modes, stochastic (solar-type) modes (adiabatic, linear)
- Theory of pulsations, strange modes (non-adiabatic, non-linear)
- Influence of rotation, r modes
- Change in pulsation behavior along stellar evolution of low- and high-mass stars

- Introduction to different types of pulsating stars on the Hertzsprung-Russell Diagram
- Observational methods: photometric light curves, spectroscopic time-series, polarimetry/polarization
- Methods/Techniques to analyze pulsations
- Exoplanets around pulsating stars
- Current and future missions devoted to study stellar pulsations



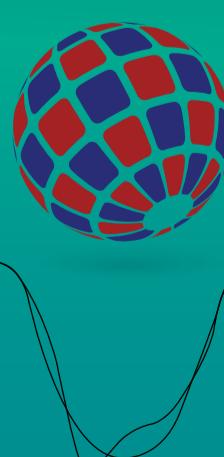
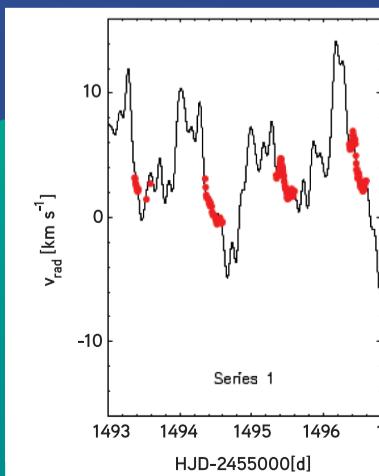
Facultad de Ciencias
Astronómicas
y Geofísicas
UNIVERSIDAD NACIONAL DE LA PLATA



EUROPEAN UNION



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DE LA PLATA



LECTURERS

- Dr. Omar Benvenuto, Universidad Nacional de La Plata, Argentina.
Dr. Daniel Carpintero, Universidad Nacional de La Plata, Argentina.
Dr. Alejandra Christen, Pontificia Universidad Católica de Valparaíso, Chile.
Dr. Wolfgang Glatzel, Georg-August-Universität Göttingen, Germany.
Dr. Michaela Kraus, Astronomický Ústav, Ondřejov, Czech Republic.
Dr. Simon Murphy, The University of Sydney, Australia.
Dr. Alejandra Romero, Universidade Federal do Rio Grande do Sul, Brazil.
Dr. Maja Vučković, Universidad de Valparaíso, Chile.

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pase.lp.2019@gmail.com



<http://pase.fcaglp.unlp.edu.ar/>