

Andrea Laura Sosa Oyarzabal

Ciudad de residencia: Piriapolis, Maldonado

Sede: Rocha

Formación académica

Posgrado:

Doctora en Física

Magíster en Física opción Astronomía

Grado:

Licenciada en Astronomía

Actuación profesional:

1. 2014 - actual: Prof. Adjunto - PDU Ciencias Físicas y sus Aplicaciones. Centro Universitario Regional Este - UdelaR.
2. 2007 - 2014: Asistente - Departamento de Astronomía, Instituto de Física, Facultad de Ciencias - UdelaR.
3. 2000 - 2004: Directora - Observatorio Astronómico Los Molinos, Ministerio de Educación y Cultura.
4. 1996 - 2007: Ayudante - Departamento de Astronomía, Instituto de Física, Facultad de Ciencias - UdelaR.

Resumen de líneas de investigación y producción científica:

Líneas de investigación:

- Evolución física y dinámica de cuerpos menores del Sistema Solar.

Producción Científica:

- Fernández J.A., Licandro J., Moreno F., **Sosa A.**, Cabrera-Lavers A., de León J., Birtwhistle P. 2016. Physical and dynamical properties of the anomalous comet 249P/LINEAR. Submitted to *Icarus*.
- Fernández J.A. y **Sosa A.**, 2015. Active bodies in the near-Earth region: The tenuous boundary between comets and asteroids. En: "Asteroids: New Observations, New Models. Proceedings of the IAU Symposium No. 318, 2015. Edited by S. Chesley, A. Morbidelly, E. Jedicke & D. Farnocchia.

- Fernández J.A. y **Sosa A.**, 2015. Jupiter-family comets in near-Earth orbits: Are some of them interlopers from the asteroid belt? *Planetary and Space Science* 2015, 118, 14-24.
- Fernández J.A., **Sosa A.**, Gallardo T., Gutiérrez J.N. 2014 "Assesing the physical nature of near-Earth asteroids through their dynamical histories". *Icarus* 238, 1-12.
- Fernández J.A. y **Sosa A.**, 2014. Jupiter-family comets in near-Earth orbits: Dynamical histories and potential source regions. *Asteroids, Comets, Meteors (ACM) 2014*. Proceedings of the conference held 30 June - 4 July, 2014 in Helsinki, Finland. Edited by K. Muinonen et al. ISBN 978-952-10-8962-6.
- **Sosa A.**, Fernández J.A. y Pais P., 2012. "On the asymmetric evolution of the perihelion distances of near-Earth Jupiter family comets around the discovery time". *Astronomy and Astrophysics* 548, A64, 9 pp.
- Fernández J.A. y **Sosa A.**, 2012. "Magnitude and size distribution of long-period comets in Earth-crossing or approaching orbits". *Monthly Notices of the Royal Astronomical Society* 423, 674-1690.
- **Sosa A.** y Fernández J.A., 2011. "Masses of long-period comets derived from nongravitational effects - Analysis of the computed results and the consistency and reliability of the nongravitational parameters". *Monthly Notices of the Royal Astronomical Society* 416, 767-782.
- **Sosa A.** y Fernández J.A., 2010. "Non-gravitational forces and masses of some long-period comets. The cases of Hale-Bopp and Hyakutake". En: *Icy Bodies of the Solar System*, Schulz R., Prrialnik D., Lazzaro D. y Fernández J.A. (eds), Cambridge University Press, Cambridge, 263, 85. *Proceedings del IAU Symposium 263*, Río de Janeiro, Brasil, 2009.
- **Sosa A.** y Fernández J.A., 2009. "Cometary masses derived from non-gravitational forces". *Monthly Notices of the Royal Astronomical Society* 393, 92-214.
- **Sosa, A.** y Gutiérrez P.J., 2006. P.J. "Minor Planet Observations [J86 Sierra Nevada Observatory]". *Minor Planet Circulars*, 57589, 2006.
- **Sosa, A.** y Fernández, J.A. 2006. "Cometary masses derived from nongravitational forces". *Proceedings de la XI IAU Regional Latin American Meeting of Astronomy*, 26, 57. Pucón, Chile, 2005.
- Tancredi, G., **Sosa, A.**, Acosta, E., Ceretta, A., Joliet, E., Ruétalo, M., Bonsignore, F. "The Uruguayan Automated and Robotic Telescope B U S C A", 2004. *Developing Basic Space Science World Wide. A Decade of UN/ESA Workshops*. pp. 137 – 150, W. Wamsteker, R. Albrecht y H. Haubold (eds.). Kluwer Academic Publishers, Dordrecht, Holanda.
- Tancredi, G., **Sosa, A.**, Acosta, E., Ceretta, A., 2002. "A NEO survey in the southern hemisphere". *Proceedings of Asteroids, Comets and Meteors (ACM 2002)*, 500, 809 , 812. ESA