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The intergalactic medium near high-redshift galaxies

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Curriculum vitae

Olivera was born in 1981 in Zrenjanin, in former Yugoslavia, present day Serbia. She attended Dr Boško Vrebalov primary school in Melenci. In Zrenjaninska Gimnazija high-school she followed the natural sciences and mathematics track. Her first contact with the scientific method and contemporary science was in Petnica Science Center - the non-governmental institution for high-school students interested in science, where she participated in both the chemistry (1998) and astronomy program (1999-2000). After finishing high-school she continued visiting Petnica as a junior assistant.

In 2000 Olivera started her bachelor studies at the astrophysics department of the Belgrade University. During her undergraduate years she visited Instituto de Astrofísica de Canarias in 2003 and Durham University in 2004 as a summer student. She was also awarded several fellowships in Serbia, among which The Scholarship of Republic Foundation for Development of Youth in Science and Arts, and The Scholarship of Royal Norwegian Embassy in Belgrade. After finishing her bachelor studies in 2005, she pursued MSc studies in astronomy at Leiden University, supported by the Huygens and Oort scholarships.

In 2007 she started her PhD studies under the supervision of Prof. Dr. Joop Schaye and Prof. Dr. Charles Steidel (Caltech), also at Leiden University. Her PhD involved observing at the Keck Observatory in Hawaii, and Palomar Observatory in California, frequent working visits to California Institute of Technology, and presenting work at international conferences and major research institutions.

In November 2011 she started her postdoc at MPIA in Heidelberg.

Publications

- **Olivera Rakic**, Joop Schaye, Charles C. Steidel, & Gwen C. Rudie, *Neutral hydrogen optical depth near star-forming galaxies at $z \sim 2.4$ in the Keck Baryonic Structure Survey*, 2011, submitted to ApJ, arXiv:1109.4944

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- Charles C. Steidel, Dawn K. Erb, Alice E. Shapley, Max Pettini, Naveen Reddy, Milan Bogosavljević, Gwen C. Rudie, & **Olivera Rakic**, *The Structure and Kinematics of the Circum-Galactic Medium from Far-UV Spectra of $z \sim 2-3$ Galaxies*, 2010, ApJ, 717, 289

- Charles C. Steidel, Christopher Martin, Xavier J. Prochaska, Max Pettini, Joop Schaye, & **Olivera Rakic**, *Mapping the 'Cosmic Web' During the Peak Epoch of Galaxy Formation*, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 286