

*Curriculum Vitae***Tijana Prodanović**

Biographical Information

Date of Birth: December 14th 1978

Place of Birth: Novi Sad, Serbia

Gender: female

Citizenship: Serbia

Current Position

Research Associate

Department of Physics, Faculty of Science
University of Novi Sad
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Education

University of Illinois at Urbana-Champaign, USA

Doctor of Philosophy, astrophysics

Thesis Title: „*Probing and Raising the Lithium Problems With Hadronic Gamma Rays and Cosmic-Ray Nucleosynthesis*“

Master of Science, astrophysics

2001-2006

October 2006 graduation

May 2003 graduation

University of Belgrade, Serbia

Bachelor of Science in Astrophysics

1997-2001

June 2001

Research Interests

- Nuclear and particle astrophysics
- Nucleosynthesis
- Cosmology
- Cosmic rays
- Gamma-ray astronomy
- Structure formation
- Dark matter
- Neutrino astrophysics

Research Talks and Posters

- Colloquium at University of Belgrade, Nov. 2006:
„Kosmičko zračenje: problem litijuma i difuznog gama zračenja“
- Colloquium at McGill University, Jan. 2006:
“Probing Dark Matter and pre-Galactic Lithium Production with Hadronic Gamma Rays”
- Colloquium at Canadian Institute for Theoretical Astrophysics, Jan. 2006:
“Probing Dark Matter and pre-Galactic Lithium Production with Hadronic Gamma Rays”
- Colloquium at North Carolina State University, Dec. 2005:
“Probing Dark Matter and pre-Galactic Lithium Production with Hadronic Gamma Rays”
- Journal Club, Department of Astronomy, Univ. of Illinois at Urbana-Champaign, Sept. 2005:
“Connecting the Dots: TeV Gamma-Rays”
- TeV Particle Astrophysics Workshop, Fermi National Accelerator Laboratory, July 2005:
“Diffuse Gamma-Rays: A Model-Independent Approach”
- Nuclei in the Cosmos VIII Symposium, Vancouver, July 2004 (poster):
“ ${}^6\text{Li}$ and Gamma-Rays: Constraints on Primordial Lithium, Cosmic Rays and Cosmic Star Formation”
- Journal Club, Department of Astronomy, Univ. of Illinois at Urbana-Champaign, Feb. 2004:
“Pions, Gamma-Rays and Lithium and How They Connect”
- Great Lakes Cosmology VII, Ann Arbor, May 2003:
“On Non-Primordial Deuterium Production by Accelerated Particles”
- Journal Club, Department of Astronomy, Univ. of Illinois at Urbana-Champaign, May 2003:
“On Non-Primordial Deuterium Production by Accelerated Particles”

Teaching

Teaching Assistant at the University of Illinois at Urbana-Champaign:

- Astronomy 402: Theoretical Astrophysics, Fall 2002
- Astronomy 100: Perspectives in Astronomy, Spring 2003
- Astronomy 121: The Solar System, Fall 2003
- Astronomy 122: Stars and Galaxies, Spring 2005 („Teaching excellence“ award)

Lecturer at the University of Illinois at Urbana-Champaign:

- Astronomy 100: Discovering the Universe, Summer II 2006 („Teaching excellence“ award)

Lecturer at the University of Novi Sad:

- 6th undergraduate semester course: Spectroscopy of the Universe, Spring 2007

Publication List (Refereed Journals)

1. "On Non-Primordial Deuterium Production by Accelerated Particles"
Tijana Prodanović, Brian D. Fields
The Astrophysical Journal (2003), **597**, 48-56
2. "The Pionic Contribution to Diffuse Gamma Rays: Upper Limits "
Tijana Prodanović, Brian D. Fields
Astroparticle Physics (2004), **21**, 627-635
3. "Probing Primordial and Pre-Galactic Lithium with High-Velocity Clouds"
Tijana Prodanović, Brian D. Fields
The Astrophysical Journal Letters (2004), **616**, 115-118
4. "Lithium-6 and Gamma Rays: Constraints on Primordial Lithium, Cosmic Rays and Cosmic Star Formation"
Tijana Prodanović i Brian D. Fields
Nuclear Physics A (2005), **758**, 799c-802c
5. "Structure Formation Cosmic Rays: Identifying Observational Constraints"
Tijana Prodanović i Brian D. Fields
Serbian Astronomical Journal (2005), **170**, 33-45
6. "Lithium-6 and Gamma Rays: Complementary Constraints on Cosmic-Ray History"
Brian D. Fields i Tijana Prodanović
The Astrophysical Journal (2005), **623**, 877-888
7. "Can Galactic Cosmic Rays Account for Solar ${}^6\text{Li}$ Without Overproducing Gamma Rays"
Tijana Prodanović i Brian D. Fields
The Astrophysical Journal Letters (2006), **645** , L125-L128
8. "Diffuse Gamma-Rays From the Galactic Plane: Probing the 'GeV Excess' and Identifying the 'TeV Excess' "
Tijana Prodanović, Brian D. Fields, John F. Beacom
The Astroparticle Physics (2007), **27** , 10-20

Reference Letters

1. **Prof. Brian D. Fields** , Associate Professor of Astronomy and of Physics
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University of Illinois at Urbana-Champaign
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3. **Prof. John F. Beacom**, Assistant Professor of Physics and Astronomy
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