

# CURRICULUM VITAE

## Daniel Tonoiu

### 1. Personal data:

- Family name: Tonoiu
- First Name: Daniel
- Age: 33

### 2. Career path, current situation:

- junior researcher (CS) - Institute for Space Sciences, Bucharest, Romania
- PhD Student, University of Bucharest, Faculty of Physics, Dept. of Nuclear and Atoms. The PhD thesis title: “The study of dark energy in the universe, using space missions data”

### 3. Other professional experience:

I participated to the following projects at the Institute for Space Sciences: “The Track detector for the AMS2 experiment, DUE-AMS”, “Semiconductor detectors for high energy physics and space experiments (DSESFEI)”, “Heliosphere variability and its impact on some components of the terrestrial system (HELIOTER)”, “Scientific exploitation of Planck-LFI data (Planck-LFI\_SED)”.

### 4. List of the five most significant publications:

- D. Abbaneo, S. Albergo,..., D. Tonoiu, et al. - “Tracker Operation and Performance at the Magnet Test and Cosmic Challenge”; CERN CMS, NOTE 2007/029
- Maris O., G. Maris, D. Tonoiu, Poster: “Rapid Solar Wind Appearance during 11-YR Cycle”, Fifth European Space Weather Week, 17-21 November, 2008, Brussels, Belgium
- Tonoiu D., O. Maris, Poster: “Periodicities in the solar wind”, Fifth European Space Weather Week, 17-21 November, 2008, Brussels, Belgium
- D. Tonoiu, A. Caramete, L. Popa, "Lookback time and Chandra constrains on cosmological parameters", Romanian Reports in Physics – accepted for publication, 2011

### 5. Prizes, distinctions:

- Research scholarship at the National Institute of Nuclear Physics from Perugia –Italy (2004- 2006). I performed a research activity in the framework of the CMS (Compact Muon Solenoid) project, in particular for the silicon Tracker for the CMS experiment at the Large Hadron Collider. I was also involved in the process of electrical characterization of AMS (Alpha Magnetic Spectrometer) silicon sensors.