

## **Ansoldi Stefano**

Position: Researcher, University of Udine (Italy)

### **I Scientific Work**

Dynamics of relativistic shells

Universe creation and Inflation

Non-singular solutions of Einstein equations

Member of the MAGIC collaboration



### **II Conferences and educational activities**

#### *Conferences and Other External Scientific Work*

12<sup>th</sup> Marcel Grossmann Meeting (Paris, 12-18 July 2009)

#### *Work With Students*

Nijil Mankuzhiyil, Department of Physics, University of Udine, Italy, “Daily check automation for the MAGIC telescopes” (in progress)

#### *Diploma thesis supervision*

Alessandro Tomas, Department of Astronomy, University of Padova, Italy, “Tunneling probabilities for universe formation out of almost empty space” (in progress)

#### *Other Teaching Duties*

General Relativity, Master in Computational Physics, University of Udine, Italy

Statistical Mechanics, Master in Computational Physics, University of Udine, Italy

Analytical Mechanics (Meccanica Razionale 1) , Undergraduate course in Mathematics, University of Udine

Advanced Mechanics (Meccanica Razionale 2), Undergraduate course in Mathematics, University of Udine

*Work With Postdocs*

Victor G. Czinner, Theoretical Physics Center for Science Facilities, Institute of High Energy Physics, Chinese Academy of Sciences, China, “A Double Junction Model for Thick Shell Dynamics” (in progress)

**2009 List of Publications**

“Universes out of almost empty space”, Stefano Ansoldi, Eduardo I. Guendelman, Prog.Theor.Phys.120:985-993,2008

“A Double Junction Model for Thick Shell Dynamics”, Stefano Ansoldi, Viktor G. Czinner, in preparation

“Non singular cosmology from ‘Egg-type’ actions”, Stefano Ansoldi, Eduardo I. Guendelman, H. Ishihara, in preparation