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Author: Sousa Sánchez, Kepa

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Publications

- ‘*A Note on the stability of axionic D-term strings.*’ Ana Achúcarro and Képa Sousa. *Phys.Rev.* **D74** (2006) 081701; hep-th/0601151.
- ‘*Half-BPS cosmic string in $\mathcal{N} = 2$ supergravity in the presence of a dilaton.*’ Mboyo Esole and Képa Sousa. *JHEP* **0703** (2007) 079; hep-th/0610124.
- ‘*F-term uplifting and moduli stabilization consistent with Kahler invariance.*’ Ana Achúcarro and Képa Sousa. *JHEP* **0803** (2008) 002; arXiv:0712.3460.
- ‘*Consistent decoupling of heavy scalars and moduli in $\mathcal{N} = 1$ supergravity.*’ Ana Achúcarro Sjoerd Hardeman and Képa Sousa. *Phys.Rev.* **D78** (2008) 101901; arXiv:0806.4364.
- ‘*F-term uplifting and the supersymmetric integration of heavy moduli.*’ Ana Achúcarro, Sjoerd Hardeman and Képa Sousa. *JHEP* **0811** (2008) 003; arXiv:0809.1441.

Curriculum Vitæ

I was born in Berango, Spain, on the 7th of December of 1981. I attended high school in Getxo, where I graduated with honours in 1999. The same year I started my undergraduate studies in Physics at the University of the Basque Country (UPV/EHU). For my third year, that is in 2002, I was granted the SENECA scholarship which allowed me to continue my studies at the University of La Laguna (Spain). A year after, 2003-2004, I participated in the TASSEP exchange program between universities in Europe, Canada and U.S.A., finishing my fifth and last year of undergraduate studies at the University of Texas at Austin. During my stay in Austin I collaborated for four months in the Dr. Erskines Surface Physics Laboratory, working on a project about the response of films under magnetic fields. I graduated in 2004, receiving the award to the "Best Academic Record in Physics" granted by the University of the Basque Country for the students with the best grades. In 2004 I started my PhD under the supervision of Prof. dr. Ana Achúcarro at the University of Leiden, (The Netherlands), with the help of an FPI grant (Research Training Award) offered by the Basque Government. From 2007 to 2008 my position was funded by the NWO (Dutch Organization for Scientific Research) via the VICI grant 680-47-320. During my stay in Leiden I taught the exercise class of General Relativity, and also that of Elementary Particle Physics for two years. The last stages of my PhD have taken place at the Department of Theoretical Physics and History of Science of the University of the Basque Country, where I have spent 7 months, and I am currently collaborating with Dr. J. Urrestilla.

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