



## Vice-Rector for Academic and Research Staff



Fernando Cornet Sánchez del Águila

### **Vice-Rector for Academic and Research Staff**

Fernando Cornet Sánchez del Águila has been Professor of Theoretical Physics at the Department of Theoretical Physics and Cosmology since 2010. He completed his doctoral thesis at the Department of Theoretical Physics of the Autonomous University of Barcelona, for which he received an Outstanding Doctorate Award. Subsequently, he completed a two-year postdoctoral stay at the Deutsches Elektronen Synchrotron (DESY) in Hamburg (Germany), funded thanks to a grant from the Spanish Ministry of Education and Science. At the end of this period he was hired by the Max Planck Institute for Physics in Munich (Germany) until he joined the University of Granada in 1988.

Since joining the UGR, he has carried out numerous stays in universities and research institutes, most notably at DESY; the Max Planck Institute of Physics; the University of California, Los Angeles (UCLA); the Fermi National Laboratory (Batavia, Illinois, USA); the National University of La Plata (Argentina); and the University of Hokaido (Sapporo, Japan). All of these stays lasted more than a month. At the University of Granada he has carried out various management activities, holding the position of Secretary and subsequently Coordinator of the Physics Teaching Committee, Academic Secretary of the Department of Theoretical Physics and Cosmology and Director of said department from 2011 to 2015. In 2015 he was also appointed Director for Research Institutes and Centres at the Vice-Rectorate for Research and Knowledge Transfer. Likewise, he has been the Coordinator of the doctoral programmes in Astrophysics and Particles, and Astrophysics, Geophysics and Particles.

With regard to his teaching work, he has participated as the Spanish representative in the "Tuning Educational Structures in Europe" Physics group, a three-phase project funded by the European Union. The scope of this project was the implementation, from the university frame of reference, of the European Higher Education Area. More recently, and within this line of work, he has been co-coordinator of the CALOHEE Physics group, another project funded by the European Union. This project has focused on developing a common assessment framework in Europe, employing five degree programmes covering different branches of knowledge as a model: Physics, Civil Engineering, History, Nursing and Education Sciences. Prof. Cornet has also participated in several European projects of the European Physics Education Network (EUPEN) and has acted as the representative of the Spanish Royal Physics Society in the working group organised by the European Physical Society. The purpose of this working group was to study the implementation of the Bologna Process in the European area at bachelor's, master's and doctoral levels.

At the Spanish level, he has acted as the coordinator of the committee organised by the Spanish National Agency for Quality Assessment and Accreditation (ANECA) that drafted the White Paper on Physics. Likewise, he has been a member of the science committee for the verification and accreditation of university degrees of the Quality Assurance Agency for the University System in Castilla y León (ACSUCYL).

Cornet's research has focused on phenomenological aspects in the areas of Elementary Particle Physics and High Energy Physics, fields in which he has published a large number of research articles in Q1 journals pertaining to the Science Citation Index. One of these papers received the 2002 UGR Research Fund award for the best research work. Prof. Cornet has participated in a large number of European, Spanish and regional projects and has been principal investigator not only of several of these projects but also of the "High Energy Physics" (FQM-330) research group. He has participated in the organising committee of a large number of conferences and scientific meetings, including two major international conferences held in Granada: Neutrino 92, of which he was Scientific Secretary, and the International Workshop on Linear Colliders 2011, in which he was Chair of the organising committee. He has been an evaluator for several agencies such as ANEP, AGAUR (Catalonia), COLCIENCIAS (Colombia) and UEFISCDI (Romania). He is currently an elected member of the Theoretical and Particle Physics Division of the Spanish Royal Physics Society, previously acting as Chair of the Theoretical Physics Specialist Group.

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