

Curriculum Vitae: Anna Ceresole (2021)

INFN, Turin Division, Via P. Giuria 1, 10125 Turin, Italy
email: ceresole@to.infn.it , <http://www.strings.to.infn.it/personal/ceresole/>

Anna (Teresa) Ceresole was born in Torino, Italy, in 1961; after graduating from Torino University in 1984, she earned a PhD in Physics from the State University of New York (SUNY) at Stony Brook (USA) in 1989. She was a postdoctoral fellow at CALTECH (Pasadena, CA, USA) in 1989-1992 and at the University of Torino in 1992-1993. In 1993, she became a tenured University Researcher (Assistant Professor) at the Politecnico of Torino and in 2003 a Senior Researcher (Associate Professor) at the Torino Division of INFN (Istituto Nazionale di Fisica Nucleare), within the Physics Department, of Torino University. Since 2018 she is an INFN Director of Research. She was a Visiting Scientist of CERN Theory Division in 1998 and 1999, at UCLA in 1996, 2005 and 2012 and at the ITP Santa Barbara in 1996. She is a regular user of the CERN Theory Department. She is of Italian nationality, married with three children.

Anna Ceresole has written over sixty research papers on international peer reviewed journals in the field of theoretical high energy physics and mathematical physics, with about 3500 citations and a factor $h=26$ according to SPIRES database, including 1 renowned, 1 famous and 8 Very Well Known papers. Her research activity focusses on algebraic and geometric aspects of quantum field theory, conformal invariant theories, supersymmetric theories of gravity such as supergravity and superstrings, their applications to the unified quantum theories of elementary particles, black holes and cosmology. Her main achievements concern the construction of supergravity lagrangians in 4 and 5 dimensional spacetimes describing the interaction between supergravity and matter, the analysis of their electric-magnetic duality symmetries and the description by first order flow equations of extremal non supersymmetric black holes in supergravity. Her main collaborations so far have involved S. Ferrara (CERN, Geneva), G. Dall'Agata (U. Padova), P. van Nieuwenhuizen (SUNY, Stony Brook), A. van Proeyen (Leuven), R. D'Auria (Politecnico, Torino), P. Fre' (U. Torino) and R. Kallosh (Stanford). Her original results have been presented at various institutions and in the main international conferences in USA, Europe and Australia. She has been key scientist in EU research networks since 1991 and a Team Member of the ERC Advanced Investigator Grant "Supersymmetry, Quantum Gravity and Gauge Fields" ("Superfields") with PI S. Ferrara (CERN) from 2012 to 2017; from 2013 to 2017 she has been Working Group Leader and Management Committee member for the COST Action MP1210 "A String Theory Universe". A.Ceresole also acted as member of International Advisory Boards and Organizing Committees for a number of International Conferences and Schools in the field of High Energy Theoretical Physics. She has served as Expert Evaluator for the NSF (USA), the Spanish Ministry of Education (Severo Ochoa and Maria de Maetzu Panels), the FWO (Belgium), the Austrian Science Fund and in several EU panels for University positions. She has performed teaching in University for over 25 years and she has been involved in various outreach and gender promotion activities. Since 2015 she is Coordinator of the INFN Theory Group in Torino, comprising about 100 theoretical physicists from The University of Torino, the Politecnico of Torino, the University of Eastern Piedmont in Alessandria and INFN. Since 2017 she is national PI of the INFN special project "Gauge Theories, Supergravity and String Theory", involving the Universities of Torino, Milano Bicocca, Milano, Genova, Padova, Lecce and the Scuola Normale Superiore in Pisa. Since 2017, she sits in the managing board of the Arnold Regge Center for Algebra, Geometry and Physics. In December 2018 she has been nominated member of the scientific council of the Institut de physique of CNRS.