

Curriculum vitae

Stefano Zucchelli

Stefano Zucchelli was born in San Lazzaro di Savena (Bologna) on the 2nd October, 1953. He graduated magna cum laude in Physics at the University of Bologna in 1977. His thesis was on the "Production of particles in p-nuclei collision at high energy."

Stefano Zucchelli is an Associate Professor in the Department of Physics and Astronomy of the University of Bologna and he is in charge of research at the Nuclear Physics National Institute (INFN) Bologna. From 1984 to 2013 he was a University Researcher of the University of Bologna. From 1984 to 1985 for several times he was "Visiting Scientist" at the Cornell University. From 1980 to 1984 he was "Research Associate" at the Northwestern University of Chicago and he performed researches first at the Cern and then at the FNAL laboratory. In 1979 he got a scholarship at the Saclay Département de Physique des Particules Élémentaires (D.Ph.P.E.) in France.

Scientific activity

The scientific activity of Stefano Zucchelli has been and is still dedicated to experimental researches in high energy physics. He was member of the CERN WA33 and R211 experiments for the search of new long-lived charged particles, using a secondary beam separated by separating superconductor cavities and for the study of the Elastic Scattering experiment at the CERN ISR proton-antiproton respectively.

He then continued the study of the hadronic elastic interactions at higher energy, using the "Tevatron Collider " at the Fermilab in Chicago, experiment E710.

In 1990 he joined the CDF collaboration. The Bologna group gave its contribution in analyzing the large amount of data collected at low four momentum transfer ,low Pt physics , the so called Minimum Bias and Zero Bias events.

Since 2008 he is also member of the CUORE experiment. This experiment, which is located at the INFN Underground Gran Sasso Laboratory, has the aim to measure or set limits on the neutrino mass and to determine the nature, either Majorana or Dirac, of the neutrino, by studying the neutrinoless double beta decay.

Since 2014 he is a member of the LHC-b experiment at Cern in Geneva, Switzerland

He is chair of the CUORE Publication Board and member of the Council of the CUORE collaboration.

He is P.I. for the Sezione INFN di Bologna of the CUORE and CDF experiments.

Teaching activity:

He is teaching Physics in the Mechanical Engineering Department of the University of Bologna.