

Raffaella De Vita

Personal information:

Current position: Senior Staff Scientist,
Istituto Nazionale di Fisica Nucleare, Sezione di Genova, Italy.
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Work experience:

2004 - Today: Staff Scientist at the Istituto Nazionale di Fisica Nucleare, Sezione di Genova; Senior Staff scientist from April 2019.
2015 – 2019: Coordinator of the Nuclear Physics Group of the Istituto Nazionale di Fisica Nucleare, Sezione di Genova.
2001 – 2003: Post-Doctoral position at the Istituto Nazionale di Fisica Nucleare, Sezione di Genova.
1998 – 2000: Ph.D. student at the University of Genova.

Research activities:

My main interest is related to hadron dynamics at intermediate energies (\sim GeV) and hadron spectroscopy, with the study of rare resonances and the search unconventional states such as exotic mesons and baryons. In recent years, I have also participated in experiments searching for light dark matter at accelerators.

I have been conducting my research activity mainly at Jefferson Lab where I joined the CLAS Collaboration in 1998. I have been active in the collaboration covering both managerial and scientific roles. I am spokesperson of several letters of intent and proposals such as MesonEx, which proposes the investigation of the meson spectrum with quasi-real photoproduction in Jlab-Hall B. I was Chair of the CLAS Collaboration from 2017 to 2019. In September 2019, I have been elected Software Coordinator of the CLAS12 experiment. I am currently also member of the HPS (Heavy Photon Search) and BDX (Beam Dump eXperiment) Collaborations for the search of light dark matter at Jefferson Lab.

Candidate statement:

I had the opportunity to serve on the Jefferson Lab User Organization Board of Directors from 2005 to 2007 and I consider an honor to be candidate for the Board again. The Lab and the user community that is its core are facing a challenging but exciting time. The 12 GeV program is now in full progress and demands continuous efforts for the realization of the physics goals we have all invested so much on. At the same time, with the CD0 for the Electron Ion Collider, the Lab and its users have the opportunity to make crucial contributions to the project that will be leading the research in hadronic physics in the future. This is challenged by tight and often uncertain budget conditions and, now, further complicated by the current pandemic that has been affecting our lives.

In these difficult times, it is crucial to maintain and strengthen the communication between the users and the Lab management, to continue the efforts in facilitating the engagement of current and new users, to keep communicating the importance of our physics to the outside world. In this, I think the Board has a very important role that I would be honored to support if elected.