



Biography

Valentina Santoro

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Doctor Valentina Santoro obtained a Ph.D in Particle Physics at the University of Ferrara in 2009 working on the BaBar experiment, at SLAC National Laboratory located in California USA. After the Phd., she has obtained the Research Associate position at SLAC as convener of the quarkonium working group of BaBar. In 2011, she moved back to Italy as a research associate for the INFN studying the neutron background for the SuperB project.

In 2014 she joined ESS as a scientist, working in neutronics simulations for the ESS instruments. From 2015 she has been leading the science focus team (SFT) for fundamental physics at ESS. She now works in the target division at ESS leading and coordinating the neutronics interface to the instrument teams. She is the Project Coordinator of the HighNESS (High Intensity Neutron Source at the European Spallation Source) Project, recently awarded by the European Commissions within the EU Horizon 2020 program with 3M€, aim to develop the Conceptual Technical Design Report of the ESS upgrade. Upgrade that consist in the develop of a second neutron source with a high-intensity able to deliver a larger total cold neutron flux and provide high intensities at longer wavelengths. In addition to the new moderators also the associated instruments will be developed in the project, including NNBAR. From May 2020 she is the Technical Coordinator of the NNBAR/HIBEAM experiment.