

## The Strong2020 and RadioMonteCarlow activities

*Wednesday, 15 February 2023 14:10 (20 minutes)*

During the last 15 years the “Radio MontecarLow (“Radiative Corrections and Monte Carlo Generators for Low Energies”) Working Group, see [www.lnf.infn.it/wg/sighad/](http://www.lnf.infn.it/wg/sighad/), has been providing valuable support to the development of radiative corrections and Monte Carlo generators for low energy  $e^+e^-$  data and tau-lepton decays. Its operation which started in 2006 proceeded until the last few years bringing together at 20 meetings both theorists and experimentalists, experts working in the field of  $e^+e^-$  physics and partly also the tau community and produced the report “Quest for precision in hadronic cross sections at low energy: Monte Carlo tools vs. experimental data” S. Actis et al. Eur. Phys. J. C 66, 585-686 (2010) (<https://arxiv.org/abs/0912.0749>), which has more than 300 citations.

While the working group has been operating for more than 15 years without a formal basis for funding, parts of our program have recently been included as a Joint Research Initiative in the group application of the European hadron physics community, STRONG2020, to the European Union, with a more specific goal of creating an annotated database for low-energy hadronic cross sections in  $e^+e^-$  collisions. The database will contain information about the reliability of the data sets, their systematic errors, and the treatment of RC.

We will report on both these initiatives.

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**Session Classification:** Senior Session