

Niccolò Moggi - short CV

Education:

In 1995 graduated in Physics at the University of Bologna. Received his Ph.D. in High Energy Physics from the University of Pavia in 1999. For his thesis research he worked at FNAL on *Soft Multiparticle Production in $p\bar{p}$ Interactions at 1800 and 630 GeV*. He was postdoc at the University of Bologna before joining INFN as researcher. He has been researcher at Department of Life Quality of the the University of Bologna in Rimini and now has a position as postdoc at the Department of Physics and Astronomy.

Research:

CUORE Collaboration (LNGS)

Since 2009 works also for the CUORE experiment, a research project for the search of neutrino-less double beta decay at the INFN Gran Sasso laboratory. He contributed to the setup of the Permanent Storage Area and has been the responsible for the creation of the relative database. He is now working on the project of the slow-control system and is responsible for the remote monitoring of many systems, processes and services of the experiment. Since 2016 member of the Vetting Board. Since 2017 local P.I.

CDF Collaboration (Fnal)

He is member of the CDF Collaboration at Fnal since 1996. He worked on non-perturbative hadronic collisions and on the transition of soft interactions toward higher momentum transfers. He was involved in the study of low- p_T final states of minimum-bias interactions, of the *underlying event* and multiple parton-parton interactions and of exclusive final states with two rapidity-gaps. He has been responsible for the project and realization of the high multiplicity trigger. He took part to the RunII upgrade working on a prototype of the light distribution system for the calibration of the End-Plug calorimeter.

Among the analyses with major personal involvement: a systematic set of measurements of minimum-bias inclusive particle distributions, study of the underlying event and jet evolution with p_T , K^0 and Λ^0 production in MinBias events, exclusive production of $e^+e^-/\gamma\gamma/\text{jet}/Z$ in the central rapidity region. He has been involved also in the measurements of D^0 mesons differential cross section in the low p_T region. After 2009 he contributed to the search for the Higgs boson in the reaction $p\bar{p} \rightarrow t\bar{t}H + X$ with totally hadronic final state.

Bologna, August 2017