

Dr Cristina Lazzeroni

Reader in Particle Physics

[School of Physics and Astronomy \(/schools/physics/index.aspx\)](/schools/physics/index.aspx)

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About

Dr Cristina Lazzeroni is a Reader in Particle Physics, having been previously a Royal Society University Fellow in Physics. Cristina has published over 100 papers in international scientific journals. She is co-PI in the Particle Physics Rolling Grant and she has received a major grant from the European Union. She is an enthusiastic communicator and she frequently visits local schools.

Qualifications

- Reader in Particle Physics
- Royal Society University Fellow in Particle Physics
- PhD in Physics, University of Pisa, Italy, 1996
- Degree in Physics, University of Pisa, Italy, 1992

Biography

Cristina Lazzeroni graduated in Physics in 1992 at the University of Pisa, Italy, with a research in Particle Physics on beauty meson decays. Immediately after, at the same university, she did her PhD in beauty production at fixed target in an experiment at CERN. After her PhD, she moved to Edinburgh first, then to Cambridge where she worked on kaon and beauty physics until 2007, when she moved to Birmingham University.

Teaching

- Y1 tutorials
- Y4 course Current Topics in Particle Physics
- MPAGS course on Introduction to Particle Physics
- Y4 projects on NA62 experiment

Postgraduate supervision

Postgraduate supervisor of Particle Physics students.

Research

Research themes

- Particle Physics
- Flavour Physics
- Rare Decays
- Kaon physics

Dr Lazzeroni has been a member of the ALICE experiment at CERN from 2007 to 2011. She is currently a member of the LHCb CERN experiment. She is also the NA62 UK spokesperson and the project leader for the CEDAR detector in NA62 (also at CERN).

Other activities

- Royal Society Grant Panel for International Joint Projects
- Royal Society "State of the nation report n4", examining the school-to-University transition for students of Science, Technology, Engineering and Mathematics (STEM) subjects
- IPPP Steering Committee
- Outreach activities include an exhibit at the British Science Festival in 2010; an exhibit at the Royal Society Science Exhibition in 2011 and at Big Bang Fair 2012.

Publications

A selection of Dr Lazzeroni's publications can be found

on the INSPIRE website.

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