

Workshop for young scientists with research interests focused on physics at
FAIR



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Non-conventional mesons at the PANDA experiment

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One of the main goals of the PANDA experiment is the search of non-conventional quark-antiquark states, such as glueballs, hybrids and tetraquark and/or also molecular states. The energy region between 2.5-5 GeV is especially interesting because it is expected to locate many non-conventional mesons and will be carefully investigated by the PANDA experiment. In the talk I review the present theoretical knowledge about the spectroscopy of these states and I will discuss how the PANDA experiment will influence our understanding of them.

Primary author: Dr GIACOSA, Francesco (Frankfurt Uni)

Presenter: Dr GIACOSA, Francesco (Frankfurt Uni)

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