

International Workshop on Partial Wave Analyses and Advanced Tools for Hadron Spectroscopy



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LHCb analysis tools for finding resonances

Tuesday, March 14, 2017 3:00 PM (30 minutes)

I will give an overview of the analysis methods that are used by the LHCb collaboration to investigate (exotic) hadron states in the heavy-quark sector. Emphasis will be placed on amplitude analysis techniques that are employed to extract parameters of the exotic hadrons, using the recently discovered pentaquark and $X \rightarrow J\psi\Phi$ tetraquark candidates as examples.

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Track Classification: Topic 2: Tools and Methods for Partial Wave Analyses