

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



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## Multi-body amplitude analyses at Belle

*Monday 13 March 2017 12:00 (30 minutes)*

Belle experiment performed a study of several multibody decays of  $B$  and  $\Upsilon$ -mesons with multidimensional phase-space analysis of the final states. Such analysis allows to separate contributions

of different intermediate states and determine their quantum numbers.

We present some recent results on  $\bar{B}^0 \rightarrow D^{*+}\omega\pi^-$ ,  $\bar{B}^0 \rightarrow J/\psi K^- \pi^+$ ,  $e^+e^- \rightarrow \Upsilon(nS)\pi^+\pi^-$ ,  $\Upsilon(10860) \rightarrow \Upsilon(nS)\pi^0\pi^0$  decays as well as techniques which were used for these analyses.

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**Session Classification:** Session

**Track Classification:** Topic 1: Spectroscopy of Baryons, Light- and Heavy-Quark Mesons