

## Heavy exotic mesons at LHCb

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Recent results on heavy exotic hadrons obtained by the LHCb experiment are discussed:

- Tetraquarks with hidden charm ( $X(3872)$ ,  $T_{\{cccc\}}(6900)$ ,  $Z_{\{cs\}}(4xxx)^+$ ,  $X(46xx)$ )
- Pentaquarks with hidden charm ( $P_{c(4xxx)^+}$ ,  $P_{\{cs\}}(4459)0$ )
- Doubly charmed tetraquark ( $T_{\{cc\}}^+$ )

Most of the results are based on an analysis of the full runs I and II LHCb dataset.

This talk is dedicated to the memory of Simon Eidelman (1948-2021)

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