

# Heavy flavour spectroscopy and properties at CMS

*Thursday 30 May 2024 14:45 (15 minutes)*

Recent CMS Experiment results on conventional spectroscopy and production of heavy flavour states in pp collisions at 13 TeV are reported, including the first observation of the  $\Xi_b^- \rightarrow \psi(2S) \Xi^-$  decay. We discuss the measured properties of the ground and excited hadron states.

**Primary author:** YUAN, Li (Beihang University (CN))

**Co-author:** IVANOV, Kirill (Moscow Institute of Physics and Technology State University (RU))

**Presenter:** IVANOV, Kirill (Moscow Institute of Physics and Technology State University (RU))

**Session Classification:** Parallel - 7

**Track Classification:** Flavor and Dark Sector