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## Exotic spectroscopy

*Saturday 8 July 2017 12:30 (15 minutes)*

Theoretical results on heavy meson exotic spectroscopy will be presented mainly concentrating on hybrid heavy charmonia and bottomonia states. Theoretical results for heavy hybrids states,  $c$ -antic-gluons systems, will be compared with experimental data. Finally the emerging differences for exotic mesons when described as compact tetraquarks, hybrid mesons, molecules or core mesons plus higher Fock components will be discussed.

### References:

Heavy quarkonium hybrids from Coulomb gauge QCD,  
P. Guo, A. P. Szczepaniak, E. Santopinto, Phys.Rev. D78 (2008) 056003

Quark structure of the  $X(3872)$  and  $\chi_b(3P)$  resonances  
J. Ferretti, G. Galatà, E. Santopinto, Phys.Rev. D90 (2014) no.5, 054010

E. Santopinto et al., Phys.Lett. B759 (2016) 214-217

## Experimental Collaboration

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