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Pentaquark and hybrid states

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A review and comparison of different models for the LHC_b pentaquarks and different predictions will be given. Predictions also for hidden bottom pentaquark states will be given. New predictions for the most interesting channels where to look for new pentaquark states will be discussed, as it can be interesting also for the experimentalists. The second part of the talk will be devoted to hybrid states (q antiq gluon) and some theoretical models presented and discussed.

(1) E. Santopinto, A. Giachino, Phys.Rev. D96 (2017) no.1, 014014

(2) Y. Yamaguchi, E. Santopinto, Phys.Rev. D96 (2017) no.1, 014018

(3) Y. Yamaguchi, A. Giachino, A. Hosaka, E. Santopinto, S. Tacheuchi, M. Takizawa, Phys.Rev. D96 (2017) no.11, 114031

(4) P. Guo, Adam P. Szczepaniak, G. Galata, A. Vassallo, E. Santopinto, Phys.Rev. D78 (2008) 056003

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