Workshop for young scientists with research interests focused on physics at FAIR



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Bottomonium physics at Y(4S, 5S, 6S) energies with the Belle detector

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The structure of heavy mesons located above the thresholds for the open flavour production as been largely discussed in the recent years. The observation of charged exotic states highlighted the importance of the light quark degrees of freedom in the description of both quarkonia and bottomonia. We will report the most recent experimental measurements performed by the Belle collaboration around the Y(4S), Y(5S) and Y(6S) energy, including the measurement the the ratio $\frac{\sigma(e^+e^- > b\bar{b})}{\sigma(e^+e^- > \mu^+\mu^-)}$ in the Y(5S) an Y(6S) energy, the search for neutral states near the B^0

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