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## NNLO QCD corrections to the B-meson mixing

*Wednesday, May 26, 2021 5:40 PM (20 minutes)*

In this talk I will discuss selected aspects of our calculation of the previously unknown NNLO QCD corrections to the  $B_s - \bar{B}_s$  mixing process. These contributions are required to reduce the existing theory uncertainty on  $\Delta\Gamma_{12}^s$ , the flavor mixing parameter governing lifetime differences of neutral  $B_s$  mesons.

**Presenter:** SHTABOVENKO, Vladyslav (Karlsruhe)

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