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Type: **Talk**

## Rare four leptonic $B_d$ meson decays in the Standard model

*Wednesday 7 September 2022 16:50 (20 minutes)*

In the framework of the Standard Model we present a new theoretical predictions for partial widths, double and single differential distributions for four-leptonic decays of  $B_d$  - mesons. We consider the contributions of  $\omega(782)$  and  $\rho(770)$  - resonances, vector charmonium resonances contributions, non-resonance contribution of the  $b\bar{b}$  - pairs, leading contribution of “weak annihilation” and bremsstrahlung. We use the model of vector meson dominance for calculation of resonances contributions and take into account a set of new contributions that were not previously considered.

### Is this abstract from experiment?

No

### Name of experiment and experimental site

N/A

### Is the speaker for that presentation defined?

Yes

### Details

Anna Danilina, Rare four leptonic  $B_d$  meson decays in the Standard model, M.V. Lomonosov Moscow State University, Russia, <https://www.msu.ru/en/>

### Internet talk

Yes

**Author:** DANILINA, Anna (M.V. Lomonosov Moscow State University)

**Presenter:** DANILINA, Anna (M.V. Lomonosov Moscow State University)

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