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## Decay $B_s \rightarrow \phi \ell^+ \ell^-$ in covariant quark model

*Saturday 11 June 2016 10:30 (10 minutes)*

Our work is devoted to the study of the rare  $B_s \rightarrow \phi \ell^+ \ell^-$  decay where  $\ell = \mu, \tau$ . We compute the relevant form factors in the framework of the covariant quark model with infrared confinement in the full kinematical momentum transfer region. The calculated form factors are used to evaluate branching fractions and polarization observables in the cascade decay  $B \rightarrow \phi (\rightarrow K^+ K^-) \ell^+ \ell^-$ . We compare the obtained results with available experimental data and the results from other theoretical approaches.

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**Session Classification:** Презентации участников