

## Сведения об организации.

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Список основных публикаций по теме диссертации соискателя в рецензируемых научных изданиях за последние 5 лет:

The gamma-gamma to  $J/\psi + J/\psi$  reaction and the  $J/\psi + J/\psi$  pair production in exclusive ultra-peripheral ultrarelativistic heavy ion collisions, S.P.Baranov, A.Cisek, M.Klusek-Gawenda, W.Schäfer, A.Szczurek, Eur. Phys. J. C73, 2335 (2013)

Interparticle correlations in the production of  $J/\psi$  pairs in proton-proton collisions, S.P.Baranov, W.Schäfer, A.Szczurek, S.M.Snigirev, N.P.Zotov, Phys. Rev. D87, 034035 (2013)

Drell-Yan lepton pair production at the LHC and transverse momentum dependent quark densities of the proton, S.P.Baranov, A.V.Lipatov, N.P.Zotov, Phys.Rev.D 89, 094025 (2014)

Kinematic corrections to quarkonium production in the nonrelativistic QCD approach, S.P.Baranov, Phys. Rev. D91, 034011 (2015)

Associated  $WD^{(*)}$  production at the LHC and prospects to observe double parton interactions, S.P.Baranov, A.V.Lipatov, M.A.Malyshev, A.M.Snigirev, N.P.Zotov, Phys. Lett. B746, 100 (2015)

Prompt charmonia production and polarization at LHC in the NRQCD with  $k_T$ -factorization. Part I:  $\psi(2S)$  meson, S.P.Baranov, A.V.Lipatov, N.P.Zotov, Eur. Phys. J. C75, 55 (2015)

Possible solution of the quarkonium polarization problem, S.P.Baranov, Phys. Rev. D93, 054037 (2016)

Associated production of electroweak bosons and heavy mesons at LHCb and prospects to observe double parton interactions, S.P.Baranov, A.V.Lipatov, M.A.Malyshev, A.M.Snigirev, N.P.Zotov, Phys. Rev. D93, 094013 (2016)

Prompt charmonia production and polarization at the LHC in the NRQCD with  $k_T$ -factorization. Part II.  $\chi_c$  mesons, S.P.Baranov, A.V.Lipatov, N.P.Zotov, Phys. Rev. D93, 094012 (2016)

Prompt double  $J/\psi$  production in proton-proton collisions at the LHC, S.P.Baranov, A.Rezaeian, Phys. Rev. D93, 114011 (2016)

Testing the parton evolution with the use of two-body final states, S.P.Baranov, H.Jung, A.V.Lipatov, Eur. Phys. J. C77, 2 (2017)

Prompt charmonia production and polarization at the LHC in the NRQCD with  $k_T$ -factorization. Part III.  $J/\psi$  meson. S.P.Baranov, A.V.Lipatov, Phys. Rev. D96, 034019 (2017)

Associated production of  $Z$  bosons and  $b$ -jets at the LHC in the combined  $k_T$ +collinear QCD factorization approach, H.Jung, A.V.Lipatov, M.A.Malyshev, Eur. Phys. J. C77, 772 (2017)

Charmonia production from  $b$ -hadron decays at LHC with  $k_T$ -factorization:  $J/\psi$ ,  $\psi(2S)$  and  $J/\psi + Z$ , H.Jung, A.V.Lipatov, M.A.Malyshev, Eur. Phys. J. C78, 2 (2018)