

Key words of the work:

Higgs, Kaluza-Klein particles, mikro black holes and Supersymmetry searches

Theoretical predictions:

T.V. Obikhod [↗](#), BPS states of Fourfolds as candidates for Kaluza-Klein modes, arXiv:1705.03363.

T.V. Obikhod [↗](#), K-theory and phase transitions at high energies, arXiv:1604.05447 [hep-th].

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Computer modelling:

T.V. Obikhod [↗](#), E.A. Petrenko [↗](#), The study of the properties of the extended Higgs boson sector within hMSSM model, arXiv:1706.06435 [hep-ph].

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T. Obikhod, MSSM Neutral Higgs Production Cross Section Via Gluon Fusion and Bottom Quark Fusion at NNLO in QCD [↗](#), **Vol. 2, No. 1, January 2013**, American Journal of Modern Physics, Pages 1-6.

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