

Ведущая организация.

Список публикаций по теме диссертации:

- [1] Terahertz imaging of landau levels in HgTe-based topological insulators / A. M. Kadykov, J. Torres, S. S. Krishtopenko et al. // *Applied Physics Letters*. — 2016. — Vol. 108, no. 26. — P. 262102.
- [2] Temperature-driven massless kane fermions in HgCdTe crystals / F. Teppe, M. Marcinkiewicz, S. S. Krishtopenko et al. // *Nature Communications*. — 2016. — Vol. 7. — P. 12576.
- [3] HgCdTe-based heterostructures for terahertz photonics / S. Ruffenach, A. Kadykov, V. V. Rumyantsev et al. // *APL Materials*. — 2017. — Vol. 5, no. 3. — P. 035503.
- [4] Effect of electron-electron interaction on cyclotron resonance in high-mobility InAs/AlSb quantum wells / S. S. Krishtopenko, A. V. Ikonnikov, M. Orlita et al. // *Journal of Applied Physics*. — 2015. — Vol. 117, no. 11. — P. 112813.
- [5] Temperature-dependent magnetospectroscopy of hgte quantum wells / A. V. Ikonnikov, S. S. Krishtopenko, O. Drachenko et al. // *Phys. Rev. B*. — 2016. — Vol. 94. — P. 155421.
- [6] Magnetospectroscopy of two-dimensional HgTe-based topological insulators around the critical thickness / M. Zholudev, F. Teppe, M. Orlita et al. // *Physical Review B*. — 2012. — Vol. 86, no. 20.
- [7] Cyclotron resonance in HgTe/CdTe-based heterostructures in high magnetic fields / M. S. Zholudev, A. V. Ikonnikov, F. Teppe et al. // *Nanoscale Research Letters*. — 2012. — Vol. 7, no. 1. — P. 534.