

**Список публикаций младшего научного сотрудника сектора №4
Веденеева Вячеслава Юрьевича за последние 5 лет.**

1. The current status of the MASHA setup.

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2. Production of radon isotopes in the reactions $^{48}\text{Ca}+^{242}\text{Pu}$ and $^{48}\text{Ca}+^{208}\text{Pb}$ on mass separator MASHA.

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3. Production and investigation of new isotopes near neutron N=126 shell closure using TIMEPIX detectors

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4. Features of the solid-state ISOL method for fusion evaporation reactions induced by heavy ions// International Symposium on Exotic Nuclei (EXON

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A. M. Rodin, E. V. Chernysheva, S. N. Dmitriev, A. V. Gulyaev, D. Kamas, J. Kliman, L. Krupa, A. S. Novoselov, Yu. Ts. Oganessian, A. Opíchal, A. V. Podshibyakin, V. S. Salamatin, S. V. Stepantsov, V. Yu. Vedeneev, S. A. Yukhimchuk.

5. Determination of separation efficiency of the mass-spectrometer MASHA by means of measurement of absolute cross-sections of evaporation residues // International Symposium on Exotic Nuclei (EXON 2018), September 10-15, 2018, Petrozavodsk, Russia, World Scientific, Singapore, 2020, P.386-390.

E. V. Chernysheva, A. M. Rodin, S. N. Dmitriev, A. V. Gulyaev, A. B. Komarov, A. S. Novoselov, Yu. Ts. Oganessian, A. V. Podshibyakin, V. S. Salamatin, S. V. Stepantsov, V. Yu. Vedeneev, S. A. Yukhimchuk, L. Krupa, M. Holik, S. Pospisil, I. Stekl, J. Kliman D. Kamas, A. Opíchal, J. Pechousek, A. Maher.

6. Control and data acquisition systems of the MASHA setup// International Symposium on Exotic Nuclei (EXON 2018), September 10-15, 2018, Petrozavodsk, Russia, World Scientific, Singapore, 2020, P.427-430.

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7. Study of Production Stability of Radon and Mercury Isotopes in Complete Fusion Reactions at the Mass-Separator MASHA by “Solid Hot Catcher” Technique.

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8. Сечение образования испарительных остатков реакций полного слияния $^{144}\text{Sm}(^{40}\text{Ar}, xn)^{184-x}\text{Hg}$, $^{148}\text{Sm}(^{36}\text{Ar}, xn)^{184-x}\text{Hg}$, $^{144}\text{Nd}(^{40}\text{Ca}, xn)^{184-x}\text{Hg}$.

В.Ю. Веденеев, А.М. Родин, Л. Крупа и др. Известия РАН, Серия физическая, 2020, том 8, №4, с. 611-615. DOI 10.31857/S0367676520040377.

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10. Study of neutron-rich isotopes near N=152 shell closure using Timepix type detectors integrated into the mass separator MASHA.

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