

Andrey Baranov

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Current position

**National Research Centre "Kurchatov Institute",
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Senior Scientific Researcher



A. Baranov is doctor of relativistic astrophysics. He has a strong research activity in astrophysics, numerical simulations and high performance computing.

Recent publications

- A.A. Baranov, P. Chardonnet, V.M. Chechetkin, A.A. Filina, M.V. Popov, Aspherical Nucleosynthesis in the He-layer of a Core-collapse Supernova Using the Tracer Particles Method, *The Astrophysical Journal*, 558, A10, 2013
- M.V. Popov, A.A. Filina, A.A. Baranov, P. Chardonnet, V.M. Chechetkin, Multidimensional Simulations of Pair-Instability Supernovae, *Astronomy & Astrophysics*, 783, p.43, 2014
- A.A. Baranov, V.M. Chechetkin, *Astronomy Reports*, 55(6), p.525, 2011 (Original Russian Text A.A. Baranov, V.M. Chechetkin, *Astronomicheskii Zhurnal*, Vol. 88, No. 6, p.570, 2011)
- A.A. Baranov, N.A. Medvedev, A.E. Volkov, N.S. Scheblanov, *Nuclear Instruments and Methods in Physics Research (B)*, 286, p.51, 2012