

# Recent results obtained with JISP16

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I discuss recent results of our *ab initio* studies of light nuclei with JISP16  $NN$  interaction. In particular, I discuss our comprehensive analysis [1] of binding energies and spectra of nearly all known  $s$ - and  $p$ -shell nuclei, studies of nuclear matter with JISP16 [2], etc. The current status of JISP16  $NN$  interaction and future prospect are outlined.

## References

- [1] A. M. Shirokov, V. A. Kulikov, P. Maris, and J. P. Vary, to be published in *NN and 3N Interactions*, edited by L. D. Blokhintsev and I. I. Strakovsky (Nova Science, 2014),  
[http://www.novapublishers.com/catalog/product\\_info.php?products\\_id=49997](http://www.novapublishers.com/catalog/product_info.php?products_id=49997).
- [2] A. M. Shirokov, A. G. Negoita, J. P. Vary, S. K. Bogner, A. I. Mazur, E. A. Mazur, and D. Gogny, arXiv:1406.0529 [nucl-th] (2014).