

Andrew Sazonov

List of publications

Peer-reviewed journals

- 52 A. Sazonov, V. Hutana, M. Meven, G. Roth, R. Georgii, T. Masuda and B. Náfrádi
The crystal structure of magnetoelectric $Ba_2MnGe_2O_7$ at room and low temperatures by neutron diffraction
Inorg. Chem. (7pp) (2018) <https://doi.org/10.1021/acs.inorgchem.8b00058>
- 51 D. M. Fobes, S. Zhang, S.-Z. Lin, P. Das, N. J. Ghimire, E. D. Bauer, J. D. Thompson, L. W. Harriger, G. Ehlers, A. Podlesnyak, R. I. Bewley, A. Sazonov, V. Hutana, F. Ronning, C. D. Batista and M. Janoschek
Tunable emergent heterostructures in a prototypical correlated metal
Nature Physics, Letters (6pp) (2018) <https://doi.org/10.1038/s41567-018-0060-9>
- 50 I. A. Zobkalo, S.V. Gavrilov, A. Sazonov and V. Hutana
Investigation of $TbMn_2O_5$ by polarized neutron diffraction
J. Phys.: Condens. Matter (2018) <https://doi.org/10.1088/1361-648X/aabdf6>
- 49 V. Sikolenko, E. Efimova, A. Franz, C. Ritter, I. O. Troyanchuk, D. Karpinsky, Y. Zubavichus, A. Veligzhanin, S. I. Tiutiunnikov, A. Sazonov and V. Efimova
X-ray absorption spectroscopy and neutron diffraction study of the perovskite-type rare-earth cobaltites
Physica B (3pp) (2017) <http://dx.doi.org/10.1016/j.physb.2017.09.104>
- 48 A. Sazonov, V. Hutana, M. Meven, G. Roth, H. Murakawa, Y. Tokura, V. K. Guduru, L. C. J. M. Peters, U. Zeitler, L. F. Kiss, D. Szaller, B. Náfrádi and I. Kézsmárki
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- 47 D. M. Fobes, E. D. Bauer, J. D. Thompson, A. Sazonov, V. Hutana, S. Zhang, F. Ronning and M. Janoschek
Low temperature magnetic structure of $CeRhIn_5$ by neutron diffraction on absorption-optimized samples
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- 46 A. Sazonov, M. Meven, G. Roth, R. Georgii, I. Kézsmárki, V. Kocsis, Y. Tokunaga, Y. Taguchi, Y. Tokura and V. Hutana
Origin of forbidden reflections in multiferroic $Ba_2CoGe_2O_7$ by neutron diffraction: Symmetry lowering or Renninger effect?
J. Appl. Cryst. 49, 556-560 (2016)
Highlight in Heinz-Maier-Leibnitz Zentrum (MLZ) News from 17.06.2016 - True change of symmetry or ricochet
- 45 A. Sazonov, V. Hutana, M. Meven, G. Roth, I. Kézsmárki, H. Murakawa, Y. Tokura and B. Náfrádi
The low-temperature crystal structure of the multiferroic melilite $Ca_2CoSi_2O_7$
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- 44 W. T. Jin, Y. Xiao, Z. Bukowski, Y. Su, S. Nandi, A. P. Sazonov, M. Meven, O. Zaharko, S. Demirdis, K. Nemkovski, K. Schmalzl, L. M. Tran, Z. Guguchia, E. Feng, Z. Fu and Th. Brückel
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- 41 M. Meven and **A. Sazonov**
HEiDi: Single crystal diffractometer at hot source
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- 40 W. T. Jin, W. Li, Y. Su, S. Nandi, Y. Xiao, W. H. Jiao, M. Meven, **A. P. Sazonov**, E. Feng, Y. Chen, C. S. Ting, G. H. Cao and Th. Brückel
Magnetic ground state of superconducting $Eu(Fe_{0.88}Ir_{0.12})_2As_2$: A combined neutron diffraction and first-principles calculation study
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- 36 V. Hutanu, **A. Sazonov**, M. Meven, H. Murakawa, Y. Tokura, S. Bordács, I. Kézsmárki and B. Náfrádi
Determination of the magnetic order and the crystal symmetry in the multiferroic ground state of $Ba_2CoGe_2O_7$
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- 29 **A. P. Sazonov**, V. Hutanu, M. Meven, G. Heger, T. Hansen and A. Senyshyn
Anomalous thermal expansion of cobalt olivine, Co_2SiO_4 , at low temperatures
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Neutron diffraction study and magnetic properties of $La_{1-x}Ba_xCoO_3$ ($x = 0.2$ and 0.3)
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- 74 A. Sazonov, M. Meven, R. Georgii, G. Roth and V. Hutanu
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- 73 D. M. Fobes, S. Zhang, S.-Z. Lin, P. Das, N. J. Ghimire, E. D. Bauer, J. D. Thompson, L. W. Harriger, G. Ehlers, A. Podlesnyak, R. I. Bewley, A. Sazonov, V. Hutanu, F. Ronning, C. D. Batista and M. Janoschek
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- 71 A. Sazonov
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- 70 A. Sazonov, V. Hutanu and G. Roth
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- 69 I. Zobkalo, S. Gavrilov, A. Sazonov and V. Hutanu
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- 66 A. Sazonov, M. Meven, R. Georgii, G. Roth and V. Hutanu
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- 64 W. T. Jin, Y. Xiao, Y. Su, S. Nandi, M. Meven, A. P. Sazonov, G. Nisbet, S. Demirdis, E. Feng and Th. Brückel
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- 62 A. Sazonov, V. Hutanu and G. Roth
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- 59 A. P. Sazonov (invited), A. Gukasov and G. Heger
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- 58 M. Meven, A. P. Sazonov, V. Hutanu and G. Roth
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- 57 V. Hutanu, A. Sazonov, G. Roth, I. Oh, M. Baum, J. Stein, M. Braden, H. Murakawa, Y. Tokura, S. Bordács, I. Kézsmárki and B. Náfrádi
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- 56 I. Mirebeau, S. Petit, J. Robert, S. Guitteny, A. Gukasov, P. Bonville, A. P. Sazonov and C. Decorse
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- 55 A. P. Sazonov, I. Mirebeau, A. Gukasov, H. B. Cao, P. Bonville, S. Petit, J. Robert, E. Ressouche, B. Grenier, C. Decorse and G. Dhalegne
A dynamic Jahn-Teller coupling to describe the very low temperature field-induced magnetic structures in the $Tb_2Ti_2O_7$ spin liquid
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- 54 A. P. Sazonov, A. Gukasov, H. B. Cao, P. Bonville, E. Ressouche, C. Decorse and I. Mirebeau
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- 53 M. Meven, D. Gatta and A. Sazonov
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- 52 K. Friese, V. Hutanu, M. Meven, A. Sazonov and O. Zaharko
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- 51 A. P. Sazonov, M. Meven, V. Hutanu, W. Luberstetter and G. Roth
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