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<https://doi.org/10.1103/PhysRevLett.122.017001>  
MLF : BL01
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MLF : BL01
3. Ryoichi Kajimoto, Tetsuya Yokoo, Mitsutaka Nakamura, Yukinobu Kawakita, Masato Matsuura, Hitoshi Endo, Hideki Seto, Shinichi Itoh, Kenji Nakajima, Seiko Ohira-Kawamura  
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MLF : BL01, BL02, BL06, BL12, BL14, BL23
4. K. Iida, Y. Nagai, S. Ishida, M. Ishikado, N. Murai, A. D. Christianson, H. Yoshida, Y. Inamura, H. Nakamura, A. Nakao, K. Munakata, D. Kagerbauer, M. Eisterer, K. Kawashima, Y. Yoshida, H. Eisaki, A. Iyo  
*Coexisting spin resonance and long-range magnetic order of Eu in EuRbFe<sub>4</sub>As<sub>4</sub>*  
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MLF : BL01, BL18, LabCROSS  
他施設 : SNS
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*High-energy Spin Fluctuation in Iron-based Superconductor LaFePO<sub>0.9</sub>*

波紋, **29**, (2019).

MLF : BL01, LabCROSS

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*Q Dependence of Magnetic Resonance Mode on FeTe<sub>0.5</sub>Se<sub>0.5</sub> Studied by Inelastic Neutron Scattering*  
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<https://doi.org/10.3390/condmat4030069>  
MLF : BL01, LabCROSS
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*Sci. Rep.*, **9**, 1826, (2019).  
<https://doi.org/10.1038/s41598-018-36123-7>  
MLF : BL01, S1, D1, LabCROSS
8. Yusuke Yasuda, Yuta Hidaka, Koichi Mayumi, Takeshi Yamada, Kazushi Fujimoto, Susumu Okazaki, Hideaki Yokoyama, Kohzo Ito  
*Molecular Dynamics of Polyrotaxane in Solution Investigated by Quasi-Elastic Neutron Scattering and Molecular Dynamics Simulation: Sliding Motion of Rings on Polymer*  
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MLF : BL02
9. *Novel Flexible Supramolecular Assembly of Dioleyldimethylammonium Ion in a Two-Dimensional Nanospace Studied by Neutron Scattering*  
*Langmuir*, (2019).  
<https://doi.org/10.1021/acs.langmuir.9b02504>  
MLF : BL02
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Hattori

*Crystal structure change of katoite, Ca<sub>3</sub>Al<sub>2</sub>(O<sub>4</sub>D<sub>4</sub>)<sub>3</sub>, with temperature at high pressure*

*Physics and Chemistry of Minerals*, **46**, 459, (2019).

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MLF : BL11

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*Crystal structure of a high-pressure phase of magnesium chloride hexahydrate determined by in-situ X-ray and neutron diffraction methods*

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MLF : BL11

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*Development of a technique for high pressure neutron diffraction at 40 GPa with a Paris-Edinburgh press*

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MLF : BL11

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*Physical Review B*, **100**, (2019).

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MLF : BL11

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MLF : BL11, LabCROSS

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Yamauchi, Masatoshi Nakamura, Keiichi Ohuchi, Hiroshi Kira, Wataru Kambara, Kazuhiro Aoyama, Yoshifumi Sakaguchi, Masao Watanabe, Takayuki Oku  
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MLF : BL14, 共通技術

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*A new simultaneous measurement system of wide Q-range small angle neutron scattering combined with polarized Fourier transform infrared spectroscopy.*

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MLF : BL15

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MLF : BL15
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MLF : BL16, BL17, LabCROSS  
他施設 : JASCO (Hachioji, Tokyo) , Gifu Pharmaceutical University
24. Yoshinari Sawama, Kazuho Ban, Kazuhiro Akutsu-Suyama, Hiroki Nakata, Misato

Mori, Tsuyoshi Yamada, Takahiro Kawajiri, Naoki Yasukawa, Kwihwan Park, Yasunari Monguchi, Yukio Takagi, Masatoshi Yoshimura, Hironao Sajiki  
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MLF : BL17

他施設 : あいちシンクロトロン, Gifu Pharmaceutical University

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MLF : BL17

他施設 : CROSS (Optical reflectivity spectrometer)

27. Kenji Sakurai, Jinxing Jiang, Mari Mizusawa, Takayoshi Ito, Kazuhiro Akutsu, Noboru Miyata  
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MLF : BL17

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*Controlled deuterium labelling of imidazolium ionic liquids to probe the fine structure of the electrical double layer using neutron reflectometry (selected as 2019 PCCP HOT articles)*  
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MLF : BL17, LabCROSS  
他施設 : ANSTO-NDF
30. K. Akutsu-Suyama, S. Mori, T. Hanashima  
*Design and Characterization of a 2-(2'-Hydroxyphenyl)benzimidazole-Based Sr<sup>2+</sup>-Selective Fluorescent Probe in Organic and Micellar Solution Systems*  
*Photochemical & Photobiological Sciences*, **18**, 2531, (2019).  
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MLF : BL17, LabCROSS  
他施設 : KEK-PF, Center for Instrumental Analysis (Ibaraki University)
31. Masato Matsuura, Takahiko Sasaki, Satoshi Iguchi, Elena Gati, Jens Müller, Oliver Stockert, Andrea Piovano, Martin Böhm, Jitae T. Park, Sananda Biswas, Stephen M. Winter, Roser Valentí, Akiko Nakao, Michael Lang  
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MLF : BL18  
他施設 : ILL, FRM2
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*Nonlinear piezomagnetolectric effect in CuFeO<sub>2</sub>*  
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MLF : BL18

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MLF : BL18
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MLF : BL22
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*Journal of Low Temperature Physics*, **196**, 275, (2019).  
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MLF : BL22
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MLF : BL22
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MLF : D1

38. Jun Sugiyama

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MLF : D1

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*Structural transformation in Gex S100-x (10  $\leq$  x  $\leq$  40) network glasses: Structural varieties in short-range, medium-range, and nanoscopic scale STRUCTURAL TRANSFORMATION in Gex S100-x*  
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MLF : LabCROSS

他施設 : SPring-8

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MLF : LabCROSS, BL17

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*Complexation properties and structural character of lanthanides complexes of O,N-hetero donor ligand BIZA*  
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Shibayama

*Concentration dependence of the dynamics of microgel suspensions investigated by dynamic light scattering*

*Soft Matter*, **15**, 5390, (2019).

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*Crystal structure refinement of  $\text{MnTe}_2$ ,  $\text{MnSe}_2$ , and  $\text{MnS}_2$ : cation-anion and anion-anion bonding distances in pyrite-type structures*  
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*Formation of Clusters in Whiskies During the Maturation Process*  
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