

Program: Magnetic Resonance of Correlated Electron Materials 2023

	17.9.	18.9.	19.9.	20.9.	21.9.	22.9.
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
08:00		Registration				
08:45		Opening				
09:00		V. Mitrović	S. Blundell	S. Brown	G.-Q. Zheng	G. Allodi
09:40		M. Takigawa	H. Luetkens	D. Pelc	T. Wu	S. Asaad
10:20		A. Mirhajivarzaneh	M. Gomilšek	I. Heinmaa	H.-H. Klaus	D. Žilić
10:40		Coffee	Coffee	Coffee	Coffee	Coffee
11:10		J. F. Roch	M. Klanjšek	H. Yasuoka	Y. Tokunaga	Y. Furukawa
11:50		A. MacFarlane	K. Povarov	A. Alfonsov	K. Ishida	I. Eremin V. Kataev
12:30		H. Kühne	T. Arh	T. Shiroka	S. Yamamoto	Closing
12:50		R. Zhou	S. Bachhar	S. Fujiyama	I. Gaba	
13:10		Lunch break	Lunch break	Lunch break	Lunch break	
14:30		M.-H. Julien	E. Kermarrec	City tour meeting point: Theaterplatz, Equestrian monument (Reiterdenkmal) Start at 15:00 Finish 17:00 or Talk by Nicholas Curro at TU Dresden (to be announced)	I. Vinograd	
15:10		Y. Ihara	F. Bert		K. M. Ranjith	
15:30		G. Prando	A. Najev		T. Kotte	
15:50		M. Spaić	N. Büttgen		I. Jakovac	
16:10		Ž. Gosar	M. Sahoo		M. Pregelj	
16:30		Coffee	Coffee		Coffee	
17:00		A. Zorko	T. Imai		A. Suter	
17:40		F. Bärtl	Posters		Posters	
18:00	Welcome & registration at Intercity hotel	M. Baenitz				
18:20		A. Mahajan				
18:40						

Invited, name	first name	preliminary title (25)
Blundell	Stephen	Muons as a probe of frustrated magnetism
Allodi	Giuseppe	Coherent manipulation of nuclear spin qubits coupled to electronic qubits in single-ion nanomagnets
Roch	Jean-Francois	Quantum diamond magnetometry at extreme pressures
Asaad	Serwan	Coherent electric control of a high-spin nucleus in silicon
Yasuoka	Hiroshi	An overview of our NMR/NQR studied on topological Weyl semi-metals
Suter	Andreas	Low energy muons: Intrinsic magnetism in superconducting infinite-layer nickelates
Tokunaga	Yo	NMR study of spin fluctuations driving spin-triplet superconductivity in uranium-based heavy fermion materials
Furukawa	Yuji	High-Pressure NMR studies of Fe-based superconductor FeSe _{1-x} S _x
Julien	Marc-Henri	Revisiting the spin susceptibility of YBa ₂ Cu ₃ O _y with a high field twist
Pelc	Damjan	NMR and ESR in titanates
Imai	Takashi	New Dimension in NMR Measurements of Correlated Electrons
Wu	Tao	NMR investigations of electronic nematicity in unconventional superconductors
Ishida	Kenji	NMR Studies on Ferromagnetic Superconductor UCoGe
MacFarlane	Andrew	β NMR of Implanted ⁸ Li ⁺ as a Probe of Correlated Electrons
Klanjšek	Martin	Quantum spin liquids in honeycomb magnets
Luetkens	Hubertus	μ SR on kagome superconductors CsV ₃ Sb ₅ and KV ₃ Sb ₅
Kermarrec	Edwin	Classical Nematic Spin Liquid State in the S = 5/2 Heisenberg Kagome Antiferromagnet Li ₉ Fe ₃ (P ₂ O ₇) ₃ (PO ₄) ₂
Zorko	Andrej	Quantum spin liquids in triangular-lattice rare-earth heptatantalates
Mitrović	Vesna	New methods for probing electronic correlations and spin-susceptibility anisotropy in nuclear magnetic resonance
Vinograd	Igor	Second order Zeeman interaction and ferroquadrupolar order in TmVO ₄
Zheng	Guo-qing	Manipulating the nematic director in topological spin-triplet superconductors Cu _x Bi ₂ Se ₃ and K ₂ Cr ₃ As ₃
Brown	Stuart	17O NMR studies of uniaxially stressed Sr ₂ RuO ₄
Povarov	Kirill	Electron Spin Resonance of the Interacting Spinon Liquid
Tagigawa	Masashi	The use of symmetry groups in NMR and application to Cd ₂ Re ₂ O ₇
Alfonsov	Alexey	Static and dynamic magnetism of magnetic topological insulators (MnBi ₂ Te ₄)(Bi ₂ Te ₃) _n (n = 0, 1) probed by electron spin resonance technique

Contributed, name	first name	preliminary title (30)
Baenitz	Michael	From spin liquids to criticality and field induced order in Yb delafossites NaYbCh ₂ (Ch:O,S,Se): an NMR study
Zhou	Rui	26 T nuclear magnetic resonance station in SECUF
Eremin	Ilya	Signatures of the non-local dxy nematicity in FeSe _{1-x} S _x
Prando	Giacomo	Spatially-textured charge-density wave phase in hydrogen-intercalated 1T-TiSe ₂
Shiroka	Toni	Signatures of Weyl fermion excitations in the CuTiSe ₂ semimetal
Mahajan	Avinash	Possible QSL realisation in the honeycomb system Cu ₃ LiRu ₂ O ₆ with Ru ⁴⁺ (4d ⁴)
Pregelj	Matej	Competing magnetic phases in the frustrated spin-1/2 chain compound β-TeVO ₄ probed by NMR
Jakovac	Ivan	High-field NMR study of an isotropic Haldane system BoNO
Yamamoto	Shingo	Structural 130 K phase transition and emergence of a coherent Kondo state in Ce ₂ Rh ₂ Ga explored by ^{69,71} Ga NQR
Bachhar	Sanjay	H _{5.9} Li _{0.1} Ru ₂ O ₆ (Ru ³⁺ , J _{eff} =1/2): a Kitaev Quantum Spin Liquid alternative to α-RuCl ₃
Gosar	Ziga	NMR, NQR and μSR of quasi-one-dimensional superconductors
Žilić	Dijana	Low-dimensional magnetism in MOF-74 compounds
Kühne	Hannes	NMR in pulsed magnetic fields
Büttgen	Norbert	Evolution of the helimagnetic structure of FeP with arsenic substitution for phosphorus
Gomilšek	Matjaž	Spin Liquid in a 3D Frustrated Antiferromagnet with Strong Disorder
Bert	Fabrice	From spin liquid to magnetic ordering in the anisotropic kagome Y-kapellasite Y ₃ Cu ₉ (OH) ₁₉ Cl ₈
Heinmaa	Ivo	Orbital ordering in NaTiSi ₂ O ₆
Kotte	Tommy	¹ H-NMR of the spin-1/2 sawtooth chain material atacamite
Bärtl	Florian	Tunable Berezinskii-Kosterlitz-Thouless correlations in a quasi-2d Heisenberg magnet
Gaba	Ishant	Study of quantum criticality in Frustrated Ni-doped CePdAl revealed by μSR technique
Najev	Ana	NMR investigation of plastically deformed PbTe
Arh	Tina	The nature of magnetic defects in a quantum spin liquid Zn-barlowite
Spaic	Marin	NMR study of the local structure of a high-T _c bismuthate superconductor
Fujiyama	Shigeki	Orbital diamagnetism in two-dimensional organic Dirac electron system
Ihara	Yoshihiko	Microscopic coexistence between superconductivity and antiferromagnetism in excess oxygen La ₂ CuO _{4+δ}
Klauss	Hans-Henning	Metal State with Spontaneously Broken Time-Reversal Symmetry above the Superconducting Phase Transition in Ba _{1-x} K _x Fe ₂ As ₂
Kataev	Vladislav	Low-energy spin excitations and tunable anisotropy of the quasi-2D van der Waals magnet Cr ₂ Ge ₂ Te ₆
Mirhajivarzaneh	Alaleh	Microscale resonators for microfluidic based Nuclear Magnetic Resonance spectroscopy
Kizhake Malilal	Ranjith Kumar	NMR evidence against spin-nematic nature of the presaturation phase in frustrated magnet SrZnVO(PO ₄) ₂
Sahoo	Manaswini	Helical to conical order in M _{1/3} NbS ₂ (M=Cr, Mn), detected by Cr, Mn, and Nb NMR

Poster, name	first name	preliminary title (30)
Magar	Akshata	Large magnetocaloric effect in the kagome ferromagnet $\text{Li}_9\text{Cr}_3(\text{P}_2\text{O}_7)_3(\text{PO}_4)_2$
Mohanty	Surya	Disordered ground state in the spin-orbit coupled $J_{\text{eff}} = \frac{1}{2}$ distorted honeycomb magnet BiYbGeO_5
Simutis	Gediminas	Towards doping a quantum spin liquid: Magnetic correlations in the semimetallic hyper-kagome iridate $\text{Na}_3\text{Ir}_3\text{O}_8$
Grbić	Mihael S.	Effects of the in-plane stress on stripe order in $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$
Knaflič	Tilen	Spin-dimer ground state in the mixed-valence compound Rb_4O_6 as revealed by electron spin resonance
Luther	Sven	^7Li NMR and magnetization studies of helical correlations in the stretched diamond lattice of LiYbO_2
Chigurupati	Dhanasekhar	Investigation of the magnetic properties of pyrochlore $\text{Y}_2\text{Ru}_2\text{O}_7$ by local probe ^89Y NMR spectroscopy
Horvatić	Mladen	Critical Low-Energy Spin Dynamics in the BEC-Type Antiferromagnets
Arčon	Denis	Superconductivity emerging upon Se doping of a quantum spin liquid 1T-TaS_2
Nandi	Saikat	Randomness driven possible quantum spin liquid phase in the $S=1/2$ 1D HAF Chain $\text{Cu}(\text{Ampy})\text{ClBr}$
Guehne	Robin	Unusual Bi quadrupole NMR in Bi_2Se_3 and Bi_2Te_3 topological insulators
Jonas	Philippe	NMR study of supposedly unconventional superconductor Zr_5Pt_3
Abraham	Joyal John	Magnetic anisotropy and low-energy spin dynamics in magnetic van der Waals compounds $\text{Mn}_2\text{P}_2\text{S}_6$ and MnNiP_2S_6
Chencheriparambil	Saramgi	^{31}P NMR studies of quasi-two-dimensional magnetic correlations in $\text{MM}'\text{P}_2\text{S}_6$ ($\text{M}, \text{M}' = \text{Mn}, \text{Ni}, \text{Cu}, \text{Cr}$)
Sahoo	Manaswini	Investigation of intrinsic magnetic topological candidates by NMR and μSR
Carretta	Pietro	Spin dynamics in a high temperature ferromagnetic metal-organic framework
Kanda	Tomoki	Pulsed high field NMR experiments in f-electron systems
Hromov	Anton	NMR investigation of staggered field in spin-1/2 chain compound AgCuVO_4
Sarkar	Rajib	Magnetism in Kitaev Quantum Spin Liquid Candidate RuBr_3
Curro	Nicholas	NMR Measurements of Quantum Critical Fluctuations in TmVO_4
Mukhamedshin	Irek	NMR study of charge density wave state in monoclinic phase of NbS_3
Tanuma	Yuri	EPR study on stable $\text{C}_{59}\text{N}-\text{C}_{60}$ radicals protected by carbon nanorings
Mendels	Philippe	^{17}O NMR site-selective study of the quantum kagome antiferromagnet $\text{ZnCu}_3(\text{OH})_6\text{Cl}_2$
Sherpa	Phurba	NMR and NQR studies in LaNiGa_2
Chaffey	Cameron	NMR Study of Kondo Lattice Physics and Magnetic Structure in CeVGe_3
Soriano	Loïc	NMR study of the pnictide superconductor BaNi_2As_2
Sebastian	Sebin Joseph	Double magnetic transitions and exotic field-induced quantum phase in the triangular lattice antiferromagnets $\text{Sr}_3\text{Co}(\text{Nb}, \text{Ta})_2\text{O}_9$
De Renzi	Roberto	^{19}F and ^{11}B NMR in one dimensional Ag compounds with huge exchange couplings
Dailedouze	Cassandra	Application of Quantum Diamond Magnetometry to High-Tc Cuprate Superconductivity
Li	Yanan	A possible charge density wave transition in Bi_2Se_3