

Monday Posters

Indico ID	Programme Code	Title	Presenters
111	P-MON-1	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet	Zurab Guguchia
120	P-MON-2	μ SR Study of Superconductivity Above T_c : A Filamentary State in Type-II Superconductors	Vladimir Kozhevnikov
122	P-MON-3	Non-destructive elemental analysis for medical inheritances by muonic X-ray measurement	Kazuhiko Ninomiya
130	P-MON-4	The BAM cell: an electrochemical device for operando ionic diffusion measurements using muon spectroscopy	Innes McClelland
132	P-MON-5	Search for a space charge layer in thin film battery materials with low-energy muons	Jun Sugiyama
134	P-MON-6	Unconventional superconductivity in topological ruthenium silicides with Kramers and hourglass fermions	T. Shiroka
145	P-MON-7	Unfolding of the depth profiles with universal-range distribution functions	Eduardo Ribeiro
147	P-MON-8	Hydrogen impurity in MgO as seen by the muonium analogue	Ali Roonkiani
150	P-MON-9	Non-destructive Elemental Analysis of Lunar Materials with Negative Muon Beam at J-PARC	I-Huan Chiu
153	P-MON-10	Positive muons, electrons, and nanostructures	Khashayar Ghandi
156	P-MON-11	Developments of analysis functions for μ SR time spectra which show intermediate shapes between Gaussian and Lorentzian	Isao Watanabe
157	P-MON-12	Local electronic structure of interstitial hydrogen in MgH_2 inferred from muon	Ryosuke Kadono
158	P-MON-13	β -NMR studies of the temperature, depth and molecular weight dependence of dynamics in normal and ultrastable polystyrene glasses	Iain McKenzie
161	P-MON-14	DFT Investigations on Magnetic Properties with Muon in La_2CuO_4 by Using LSDA+U Functional	Supparat Charoenphon
162	P-MON-15	Magnetic Properties of La_2CuO_4 Nanoparticles	Anita Eka Putri
163	P-MON-16	Current Status of Operando- μ^+ SR for Battery Materials at J-PARC	Kazuki Ohishi
165	P-MON-17	Superconductivity nearby quantum critical point in hole-doped organic strange metal $(ET)_4Hg_3Br_8$	Dita Puspita Sari
168	P-MON-18	Muon Studies of the Proton Conducting Polymer Nafion	Francis Pratt
169	P-MON-19	Integration of arts and sciences by using negative muon non-destructive analysis at J-PARC MUSE	Yasuhiro Miyake
170	P-MON-20	The electron transfer channel in the sugar recognition system assembled on nano gold particles	Takayuki Goto
172	P-MON-21	Investigation of the magnetic topological insulator family $(MnBi_2Te_4)$ $(Bi_2Te_3)_n$ by μ SR and NMR	Manaswini Sahoo
173	P-MON-22	Negative muon spin relaxation in water and ice (also Student Day presentation)	Yoko Kimura
175	P-MON-23	Precise measurement of the hyperfine splitting in muonium with a high intensity pulsed muon beam at J-PARC	Ryoto Iwai
176	P-MON-24	Evolution of the magnitude of the exchange and Dzyaloshinskii-Moriya interactions under pressure in chiral magnet MnSi	Pierre Dalmas de Reotier
178	P-MON-25	Near-surface dynamics of 1-ethyl-3-methylimidazolium acetate above and below the glass transition	Derek Fujimoto
181	P-MON-26	High-pressure phases of Kitaev materials (as seen by μ SR)	Gediminas Simutis
185	P-MON-27	Probing Local Magnetic Order in the Frustrated Bow-tie Lattice of Layered Oxide $Ca_2Mn_3O_8$	Holly L. McPhillips
186	P-MON-28	Towards a microscopic understanding of charge carrier mobility in dielectrics with muon spectroscopy	Ben Orton, Stephen Cottrell
188	P-MON-29	The site and high field β NMR properties of $^8Li^+$ implanted into $\alpha-Al_2O_3$	Andrew MacFarlane
200	P-MON-30	Time-reversal symmetry breaking in nonsymmorphic type-I superconductor $YbSb_2$ (also Student Day presentation)	Anshu Kataria
212	P-MON-31	Nuclear magnetic resonance of 8Li ions implanted in ZnO (also Student Day presentation)	Jonah Adelman
218	P-MON-32	Data analysis for μ SR experiments with negative muons. (also Student Day presentation)	George Gill
221	P-MON-33	A wolf in sheep's clothing? Muon-induced magnetism in quantum spin ice (also Student Day presentation)	Hank Wu
231	P-MON-34	Phase diagram of the perovskite solid solution $CaCu_3Ti_{(4-x)}Ru_xO_{12}$ elucidated with bulk μ^+ SR	Elisabetta Nocerino
254	P-MON-35	Search of ultracold Mu generation material: μ SR study in SiC	Amba Datt Pant
273	P-MON-36	Probing beneath the surface without a scratch: Developments of elemental analysis using muons at ISIS	Adrian Hillier, Matteo Cataldo
274	P-MON-37	Magnetic Properties of $LiFePO_4$ under Hydrostatic Pressure	Ugne Miniotaitė
281	P-MON-38	Anomalous electrical transport in frustrated intermetallic $RCuAs_2$: the role of spin (also Student Day presentation)	Mae Abedi
295	P-MON-39	Possible p-wave parity in Cr-based superconductor $Pr_3Cr_{(10-x)N_{11}}$ (also Student Day presentation)	Changsheng Chen
296	P-MON-40	Profiling defect and charge carrier density in the $SiO_2/4H-SiC$ interface with Low-Energy Muons (also Student Day presentation)	Maria Mendes Martins

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300	P-MON-41	Operando muSR experiment on nano-crystal growing of the Fe-based magnetic material FINEMET(R) under external fields	Akihiro Koda
309	P-MON-42	Development of monitoring system for the muon rotating target using an infrared camera	Shiro MATOBA
317	P-MON-43	Enhancement of strong coupling s-wave superconductivity in the vicinity of a quantum critical point in $(\text{Ca,Sr})_3\text{Rh}_4\text{Sn}_{13}$	Jonas A. Krieger
141	P-MON-44	Using uniaxial stress to probe the relationship between competing superconducting states in a cuprate with spin-stripe order	Zurab Guguchia