

SCTE2024 - PROGRAM

MONDAY 17.6.

8:00		REGISTRATION	
9:00	Room Prague EAST	OPENING	R. Colman
9:15	PLENARY I session chair: T. Klimczuk	pI01 Design and discovery of novel transition metal based compounds—What happens when a Physicist tries to be a Chemist	Paul Canfield Ames, Iowa, USA
10:00		COFFEE	
		Room Prague EAST	
10:30	Lanthanide systems - Magnetism Session chair: P. Čermák	o01 Electronic properties of Eu-T-X (T: transition metal, X: metalloid) compounds under high pressure	Fuminori Honda Kyushu, JP
11:00		o02 Structural, magnetic and electronic properties of EuZn ₂ As ₂ single crystals	Damian Rybicki Cracow, PL
11:15		o03 Complex magnetic order in Eu ₂ Pd ₂ Sn and EuPdSn ₂	Mauro Giovannini Genoa, IT
11:30		o04 Synthesis of europium-based crystals by flux method	Karolina Podgórska Cracow, PL
11:45		o05 Magnetic properties of the rare-earth aluminides RECo ₂ Al ₈ (RE = La, Ce, Pr, Nd and Sm).	Raquel Ribeiro Ames, Iowa, USA
12:00		o06 Massive electronic state and field-induced ordering in YbCo ₂	Naohito Tsujii Tsukuba, JP
		Room Prague WEST	
10:30	Oxidic materials, frustration Session chair: R. Colman	o07 Electric dipole frustration in the ferromagnet EuAl ₁₂ O ₁₉	Gael Bastien Prague, CZ
11:00		o08 Gapless quantum spin liquid in triangular antiferromagnet hexa-aluminate PrMgAl ₁₁ O ₁₉	Sonu Kumar Prague, CZ
11:15		o09 Out-of-equilibrium monopole dynamics in classical spin ices using the fluctuation-dissipation theorem	Félix Morineau Grenoble, FR
11:45		o10 Possible to control metastable charge-ordered states in δ-Ag _{2/3} V ₂ O ₅	Masahiko Isobe Stuttgart, DE
12:00		o11 Effects of antiferromagnetic domain walls in single crystal Lu ₂ Ir ₂ O ₇	Daniel Staško Prague, CZ
12:15		LUNCH	
13:45	PLENARY II session chair: L. Havela	pI02 Effect of the Synthesis Route on the Microstructure and hydrogen storage of Hf _x Ti _(1-x) NbVZr Refractory High-Entropy Alloys	Jacques Huot Quebec, CA
14:30	PLENARY III session chair: E. Chitrova	pI03 Actinide science at high magnetic fields: piezomagnetism in uranium dioxide	Krzysztof Gofryk Idaho Falls, USA
15:15		COFFEE	
		Room Prague EAST	
15:45	Lanthanide systems - Magnetism Session chair: A. Pikul	oI12 Unusual magnetotransport in half-Heusler topological materials	Orest Pavlosiuk Wrocław, Poland
16:15		oI13 Comparison of complex magnetic structures in RE ₅ T ₂ In ₄ (RE = rare earth element; T = Ni, Pd, Pt) compounds	Stanisław Baran Cracow, PL
16:30		oI14 Physical properties studies of the multiple CDW phase transitions in quasi-1D RNiC ₂ compounds (R = rare earth metal)	Marta Roman Vienna, AT
17:00		oI15 Bulk physical properties and enantiomorph-resolved electrical transport of chiral narrow-band semiconductors RRhC ₂ (R = La, Ce)	Volodymyr Levytskyi Freiberg, DE
		Room Prague WEST	
15:45	Applications Session chair: Č. Drašar	oI16 Uranium Nuclear Safeguards: Automated Fission Track Analysis via Synthetic Model Generation and Image Analysis Tools	Itzhak Halevy Beer Sheva, IL
16:15		oI17 Impact of Rare Earth Element Integration on Glass Forming Ability and Thermal Stability of Zr-Based Bulk Metallic Glasses	Juhi Rani Verma Nagpur, IN
16:30		oI18 Fabrication of porous aluminum alloys for hydrogen production	Laurent Cuzacq Bordeaux, FR
16:45		oI19 Scalability of the magnesiothermic synthesis of skutterudites and their protective coatings against oxidation	Arige Hodroj Rennes, FR
17:00		oI20 MAX Phase / MXene / Metal Nanomaterials for Energy Conversion Application	Sergii Sergiienko Prague, CZ
17:30- 19:30	Welcome Party		

TUESDAY 18.6.		Room Prague EAST		
9:00	PLENARY IV session chair: R. Freccero	p104	Targeted Catalyst Development: An Innovative Playground for Intermetallic Compounds	Marc Armbrüster <i>Chemnitz, DE</i>
9:45	PLENARY V session chair: J. Tobin	p105	High energy resolution X-ray spectroscopy for Material Science	Kristina Kvashnina <i>Grenoble, FR</i> <i>Dresden, DE</i>
10:30			COFFEE	
11:00	Room Berlin		POSTERS - see list of posters below	
12:30			LUNCH	
		Room Prague EAST		
14:00	Spectroscopy, Uranium Session chair: K. Kvashnina	o21	Unraveling the Actinides 5f Enigma with X-Ray Emission Spectroscopy	James G. Tobin <i>Oshkosh, WI, USA</i>
14:30		o22	Fundamentals of the Uranium Halides	Clara L. Silva <i>Grenoble, FR</i>
15:00		o23	On valence-band photoemission from actinides	Jindřich Kolorenč <i>Prague, CZ</i>
15:30		o24	Electronic structure of U hydrides probed by XPS and UPS	Oleksandra Koloskova <i>Prague, CZ</i>
		Room Prague WEST		
14:00	New compounds Session chair: M. Armbrüster	o25	Crystal Structure and Chemical Bonding Analysis of Be-Ru Intermetallic Compounds	Laura Agnarelli <i>Caen, FR</i>
14:30		o26	Electronic structure of modified Ti ₂ MnAl compound.	Wojciech Gumulak <i>Chorzów, PL</i>
14:45		o27	Tuning the Weyl-Kondo Semimetal Ce ₃ Bi ₄ Pd ₃ via Stoichiometry	Nikolas Reumann <i>Vienna, AT</i>
15:00		o28	Superconductivity in the Heusler and a related type intermetallic compounds	Tomasz Klimczuk <i>Gdansk, PL</i>
15:30		o29	Crystallochemistry, Thermodynamic and Physical Properties of the novel Cu _{3-x} (As _y Sb _{1-y}) intermetallic compound	Pietro Manfrinetti <i>Genoa, Italy</i>
15:45			COFFEE	
		Room Prague EAST		
16:15	Spectroscopy, Uranium Session chair: J. Kolorenč	o30	Electronic Structure and Local Magnetic Properties of Uranium Compounds Probed with XANES and XMCD.	Fabrice Wilhelm <i>Grenoble, FR</i>
16:45		o31	Complex magnetic behaviours in U ₆ T ₄ Al ₄₃ (T = V, Nb, Ta, Cr, Mo, W) with isolated U-dumbbells	Mathieu Pasturel <i>Rennes, FR</i>
17:15		o32	Electrical resistivity of the Zintl phase UCu ₂ P ₂	Silvie Černá, <i>Prague, CZ</i>
17:30		o33	Exploration of the Exceptional Curie Temperatures in Uranium-Based UCu ₂ P ₂ Ferromagnet Using Dilatometry	Volodymyr Buturlim <i>Idaho, USA</i>
17:45		o34	High-pressure investigation of the crystal structure of UCu ₂ P ₂	Oleksandr Kolomiets <i>Lviv, UA</i>
		Room Prague WEST		
16:15	New Materials Session chair: E. Svanidze	o35	New Ternary Arsenide of Ytterbium and Iron—a Novel Ferromagnetic Material	Oksana Karychort <i>Lviv, UA</i>
16:30		o36	Synthesis and characterization of a new ferrimagnetic SmFe ₅ As ₃ pnictide	Mitja Krnel <i>Dresden, DE</i>
16:45		o37	Functionalization of selected 2D materials with π-conjugated bis-hydrazone coordination complex	Piotr Zabierowski <i>Prague, CZ</i>
17:00		o38	Magnetically soft CoFeNi-based high-entropy alloys	Primož Koželj <i>Ljubljana, SL</i>
17:15		o39	Effect of sputtering power on the structural, optical and electrical properties of aluminum-doped zinc oxide thin film	Chonthicha Wannasiri <i>Bangkok, TH</i>
17:30		o40	Transition temperature enhancement in superconducting high entropy alloy films through nitrogen addition	Karol Flachbart <i>Košice, SK</i>

WEDNESDAY 19.6.		Room Prague EAST		
9:00	PLENARY VI session chair: T. Mori	p106	Towards the Metal Age of Thermoelectricity: High Thermoelectric Performance in Metallic Materials via Interband Scattering	Andrej Pustogow <i>Vienna, AT</i>
9:45	PLENARY VII session chair: J. Custers	p107	Geometrically frustrated Ytterbium-oxides for milli-Kelvin adiabatic demagnetization refrigeration	Philipp Gegenwart <i>Augsburg, DE</i>
10:30			COFFEE	
11:00	Room Berlin		POSTERS - see list of posters below	

12:30	LUNCH			
Room Prague EAST				
14:00	Thermoelectrics magnetocalorics Session chair: E. Bauer	o41	Mechanisms to inhibit thermal conductivity and enhance thermoelectric performance	Takao Mori <i>Tsukuba, JP</i>
14:30		o42	Thermoelectric properties of new transition metal chalcogenides and phosphides	David Berthebaud <i>Nantes, FR</i>
15:00		o43	Is the presence of Sn ²⁺ a crucial factor for the generation of low thermal conductivity in tin -based sulphides?	Florentine Guiot <i>Rennes, FR</i>
15:15		o44	Room Temperature Giant Magnetocaloric Materials (MnFe) _{1.9} (PSi) Fe-Rich Compounds for Heat Pump Application	Hang Hanggai <i>Delft, NL</i>
15:30		o45	Accelerating Material Synthesis Optimization with Bayesian Optimization: Investigating the Magnesio-reduction Synthesis of Magnetocaloric Mn _{5-x} Fe _x Si ₃	Sylvain Le Tonquesse <i>Caen, FR</i>
Room Prague WEST				
14:00	Theory Session chair: D. Legut	o46	Discovery of Inorganic Solids with Desired Structure Motifs Guided by Machine Learning	Arthur Mar <i>Alberta, CA</i>
14:30		o47	What is the true ground-state of intermetallic compound Fe ₃ Al?	Mojmír Šob <i>Brno, CZ</i>
14:45		o48	Predictive theory of the spontaneous volume magnetostriction in Fe-Ni alloys: bond repopulation model of Invar effect.	Sergii Khmelevskiy <i>Vienna, AT</i>
15:15		o49	Self-Consistent Renormalization Theory of Anisotropic Spin Fluctuations in Nearly Antiferromagnetic Metals	Rikio Konno <i>Nabari-shi, Mie, Japan</i>
15:30		o50	Intrinsic spin currents in noncentrosymmetric ferromagnets	Ilija Turek <i>Brno, CZ</i>
15:45	COFFEE			
Room Prague EAST				
16:15	f-materials Session chair: P. Rogl	o51	Two-fluid model analysis of the terahertz conductivity of YBaCuO samples: optimally doped, underdoped and overdoped cases	Christelle Kadlec <i>Prague, CZ</i>
16:30		o52	Effect of Hydrogenation on the Crystal Structure and Magnetism of Nd ₂ Ni ₂ Sn	Khrystyna Miliyanchuk <i>Lviv, UA</i>
16:45		o53	Phase stability of solid solution La _{1-x} R _x Rh ₃ B (R = Gd, Lu and Sc) with anti-perovskite cubic type structure	Kunio Yubuta <i>Fukuoka, JP</i>
17:00		o54	Unveiling exotic magnetic phase diagram of a non-Heisenberg quasicrystal approximant	Farid Labib <i>Tokyo, JP</i>
17:15		o55	Revisiting the RE ₂ Pd ₃ Si ₅ series: flux growth, crystal structure and chemical bonding	Riccardo Freccero <i>Genoa, IT</i>
17:45		o56	The new PrNi ₆ Si ₆ intermetallic: crystal structure, thermal and electrical transport properties in the temperature range 2 - 900 K	Alessia Provino <i>Genoa, IT</i>
Room Prague WEST				
16:15	Theory Session chair: M. Šob	o57	An ab-initio theory of vibrational inelastic tunneling spectrum of magnetic molecules adsorbed on superconductors	Athanasios Koliogiorgos <i>Prague, CZ</i>
16:45		o58	Large Magnetostriction and Anisotropy Energy in FePt and Fe ₅ Ta ₂	Dominik Legut <i>Prague/Ostrava, CZ</i>
17:15		o59	Phonons and superconductivity of high entropy alloys	Sylvia Gutowska <i>Vienna, AT</i>
17:30		o60	Lattice Dynamical Properties and its Thermal Conductivity in Two-Dimensional Boron Nitride (BN) and Graphene	Svitlana Pastukh <i>Cracow, PL</i>

THURSDAY 20.6.

Room Prague EAST				
9:00	PLENARY VIII session chair: J. Custers	pl08	Mass renormalisation and superconductivity in quantum materials	Malte Grosche <i>Cambridge, UK</i>
9:45		pl09	Optical detection of symmetry breakings in ferroic and multiferroic materials	Tsuyoshi Kimura <i>Tokyo, JP</i>
10:30	COFFEE			
Room Prague EAST				
11:00	Hydrogen Session chair: R. Gladyshevskii	o62	Metal hydridoborates, novel energy storage materials.	Radovan Černý <i>Geneva, CH</i>
11:30		o63	H ₂ production and storage: New active and stable Ni _x Fe _y catalysts supported on conductive ball-milling prepared titanium oxides for OER in alkaline medium and design of light HEA's for H ₂ storage.	Victor RAUD <i>Poitiers/Bordeaux, FR</i>
11:45		o64	Light elements (H, O, F) insertion into the RScSi (R = La, Nd, Pr) intermetallics: Structural studies and a gateway to catalysis applications	Khaled Alabd <i>Bordeaux, FR</i>
Room Prague WEST				
11:00		o65	Collinear magnetic structures induced by ferroelectric distortion in multiferroic quadruple perovskites BiM ₃ Cr ₄ O ₁₂ and BiMn ₇ O ₁₂	Stanislav Kamba <i>Prague, CZ</i>

11:30	o66	RuIn ₆ Sn ₆ O ₁₆ , Ru ₄ In ₂ Sn ₂₀ O ₂₁ and Ir ₃ In ₃ Sn ₁₂ O ₁₄ - Synthesis and structural characterization of novel transition metal oxide clusters	Tilo Söhnel Auckland, NZ
11:45	o67	Sliding ferroelectricity in bulk misfit layered compound (BiS) _{1.24} CrS ₂	Jiří Volný Prague, CZ
12:00	LUNCH		
Room Prague EAST			
13:30	o68	Structure and bonding of compounds in the Sc-rich part of the Sc- {Mn,Fe,Co,Ni,Pd,Pt}-Ga systems	Vitaliy Romaka Dresden, DE
14:00	o69	Lattice, magnetic, and in-gap optical states in van der Waals antiferromagnet VCl ₃	Dávid Hovančík Prague, CZ
14:15	o70	Unconventional magnetic and magneto-transport properties of tetragonal RbCo ₂ As ₂	Abhishek Pandey Johannesburg, ZA
14:30	o71	Comparative study of magnetocaloric effect in the RE ₅ T ₂ In ₄ (RE = Gd-Tm, T – transition metals = Pt, Pd, Rh) compounds	Altifani Rizky Hayyu Cracow, PL
14:45	o72	Magnetic properties at ambient and under high pressure in Ho ₃ Co	Srikanta Goswami Prague, CZ
15:00	o73	Misfit layered compounds, a route towards natural morié lattices	Klára Uhlířová Prague, CZ
Room Prague WEST			
13:30	o74	Physics and chemistry of UTe ₂	Eteri Svanidze Dresden, DE
14:00	o75	Lattice dynamics of UTe ₂ in high magnetic fields studied by ultrasound	Michal Vališka Prague, CZ
14:30	o76	Evolution of electronic structure across the U-Te series of compositions	Evgenia Tereshina- Chitrova Prague, CZ
15:00	o77	New uranium-based arsenides: A small review	Nazar Zaremba Dresden, DE
15:15	COFFEE		
Room Prague EAST			
15:45	o78	System Thorium - Boron - Carbon, revisited	Peter Franz Rogl Vienna, AT
16:15	o79	Revisiting the Strontium-Mercury Phase Diagram	Rachel Nixon Dresden, DE
Room Prague WEST			
15:45	o80	From Industry to Lab: Pioneering Automated Sample Preparation	Petr Čermák Prague, CZ
16:15	o81	Elevating Cancer Treatment with Advanced Dosimeters and Crystal Precision	Cristiana Rodrigues Lisbon, PT
16:45	Conference foto – in the garden of hotel DUO		
17:00 - 18:00	Committee meeting (room Paris)		
19:15 - 22:15	Conference dinner PLZEŇKA U BRABCŮ - https://plzenkaubrabcu.cz/		

Friday 21.6.		Room Prague EAST	
9:00	Borides Session chair: M. Giovannini	o82	Elastic and inelastic neutron scattering studies in ternary boride YbPt ₅ B ₂
9:30		o83	Angle-resolved magnetoresistance in the strongly anisotropic quantum magnet TmB ₄
9:45	PLENARY X session chair: P. Canfield	pl10	Antiferromagnetism, ferrimagnetism, magnetization reversal and linear magnetoelectricity in A ₄ Nb ₂ O ₉ where A=3d (Mn,Fe,Co,Ni) magnetic elements
10:30	COFFEE		
11:00	Conference summary - Session chair: R. Colman		
	Prizes		
	Announcement of next SCTE		
	CLOSING		

LIST OF POSTERS			
P01	High-field magnetoacoustics of a Dy ₂ Fe ₁₄ Si ₃ single crystal	Alexander V. Andreev	Prague, CZ
P02	Enhanced Superconducting Critical Parameters in a New High-Entropy Alloy Nb _{0.34} Ti _{0.33} Zr _{0.14} Ta _{0.11} Hf _{0.08}	Adam Pikul	Wroclaw, PL
P03	Possible realization of the Majumdar-Ghosh point in the mineral szenicsite	Adam Berlie	Oxfordshire, UK
P04	Investigation of vacuum cryodeposited water films capturing carbon monoxide on an optical surface	Yevgeniy Korshikov	Almaty, KZ
P09	In situ diffraction study of the phase transformations occurring in the thermoelectric colusite Cu ₂₆ V ₂ Sn ₆ S ₃₂	Florentine Guiot	Rennes, FR
P10	Thickness Dependence on the Properties of Sputtered-AZO Thin Film on Flexible Substrate for Transparent Heater	Watcharee Rattanasakulthong	Bangkok, TH
P11	Strong electron-phonon coupling and superconducting gap in Heusler-type superconductor ScAu ₂ Al	Gabriel Kuderowicz	Cracow, PL
P12	Superconductivity in medium- and high-entropy alloy thin films	Gabriel Pristáš	Košice, SK
P13	Exploring a new method in the field of metal hydrides	Christohe Cona	Bordeaux, FR
P14	Magnetic Structures of UnRhIn _{3n+2} Materials	Jeroen Custers	Prague, CZ
P15	Tailoring the size and shape of actinide compounds	Karin Popa	Karlsruhe, DE
P16	Syntheses and some properties of solid solution Yb(Al,T)B ₄ (T=Fe,Cr,Mo,Mn,W) compounds	Kaoru Kouzu	Tokyo, JP
P17	Exploring Magnetic Transition Metal Sulfides and their Thermoelectric Properties	Laura Agnarelli	Caen, FR
P18	Coupled magnetic-crystallographic transition and associated multi-functional properties in La _{0.9} Ce _{0.1} Fe ₁₂ B ₆	Léopold Diop	Nancy, FR
P19	Magnetic Field-Induced Phase Transition and Weak Ferromagnetism in the Underdoped PrBCO Cuprate	Mahieddine Lahoubi	Annaba, DZ
P20	Magnetization Study of the Low Temperature Anomalies in the Substituted Dysprosium-Yttrium Iron Garnets	Mahieddine Lahoubi	Annaba, DZ
P22	Quantum Spin Liquid vs. Spin-glass: S(eff) = ½ Pyrochlore Fluoride Antiferromagnets NaCdCu ₂ F ₇ & NaCdCo ₂ F ₇	Andrej Kancko	Prague, CZ
P23	Fluctuation conductivity and pseudogap in slightly doped HoBa ₂ Cu ₃ O _{7-δ} single crystals	Liudmyla Bludova	Kharkiv, UA
P24	Magnetoelastic properties of UIrGe studied by ultrasound	Tetiana Haidamak	Prague, CZ
P25	Magnetoelastic coupling in HoB ₄	Cinthia Antunes Correa	Prague, CZ
P26	Magnetism and anisotropy of vdW antiferromagnet VCl ₃	Ondřej Michal	Prague, CZ
P27	Exploring electrical and magnetical properties of NiBr ₂	Parvez Ahmed Qureshi	Prague, CZ
P28	Structural and magnetic properties of R ₂ Cu ₂ In intermetallics	Petr Král	Prague, CZ
P29	Strong magnetocaloric effect induced by anisotropic ferromagnetism in EuAl ₁₂ O ₁₉	Adam Eliáš	Prague, CZ
P30	Crystal Structure and Magnetic Properties of Uranium-Hafnium Hydrides	Shanmukh VV Devanaboina	Prague, CZ
P31	Universal anomalous low-temperature properties of the binary ZnO-P ₂ O ₅ glasses	Vladimír Tkáč	Košice, SK
P32	Anomalous Hall effect and chiral anomaly in antiferromagnetic DyPtSb	Snehashish Chatterjee	Wroclaw, PL
P33	Spin-orbit interactions and magnetism in open d-shell oxides: CdVO ₃ and Ba ₂ LuMoO ₆	Ryszard Radwanski	Cracow, PL
P34	Physical properties of a Kondo lattice oxypnictide Ce ₃ Cu ₄ P ₄ O ₂	Szymon Królak	Gdansk, PL
P35	Formation, structure, and properties of R ₂ Pt ₂ Sn intermetallics (R = Sc, Y, La-Sm, Gd-Lu)	Vitaliy Romaka	Dresden, DE
P36	Phase equilibria, crystal structure, physical properties, and DFT study of ternary stannides in Hf-Cu-Sn system	Vitaliy Romaka	Dresden, DE
P37	Structure, properties, and DFT study of RCr ₆ Ge ₆ (R = Gd-Lu) compounds with kagome lattice	Vitaliy Romaka	Dresden, DE
P38	Magnetic anisotropy of YCo ₁₂ B ₆ single crystals	Léopold V. B. Diop	Nancy, FR
P39	Structural and magnetic properties of the chiral solid solution La _{1-x} Ce _x RhC ₂	Volodymyr Levytskyi	Freiberg, DE
P40	The NdTn _{1-x} Al _x (T = Ni, Pd) continuous solid solutions	Galya Nychporuk	Lviv, UA
P41	Influence of Ti/Zr-Based Intermetallics on Hydrogen Storage and Generation Properties of MgH ₂ Composites	Ihor Zavaliy	Lviv, UA
P42	New Quaternary Compounds R ₂ CoAl ₄ Si ₂	Svitlana Pukas	Lviv, UA
P43	New ternary gallide Zr ₇ Pd ₇ Ga ₃ :preparation, crystal and electronic structures	Volodymyr Babizhetskyy	Lviv, UA
P44	Crystal structure of the Mg _{5.57} Ni ₁₆ Ge _{7.43} ternary compound	Volodymyr Pavlyuk	Lviv, UA
P45	Crystal structure of the new ternary indide ErCo ₂ In	Yuriy Tyvanchuk	Lviv, UA
P46	Crystal Structure of the New Ternary Phases in the Nd-Tm-Ge System	Zinoviya Shpyrka	Lviv, UA
P47	Crystal structure of the R _{1.33} Ni ₃ Ga ₈ (R = Tb, Dy, Ho, Er, Tm, Lu) compounds	Nataliya Muts	Lviv, UA
P48	More about the BaO-Lu ₂ O ₃ -CuO system	Oksana Zarembo	Lviv, UA
P49	Phase Equilibria in the Ternary System Gd-Mn-Zn and Electrochemical Hydrogenation of the Phases	Oksana Zelinska	Lviv, UA
P50	Structural Characterization of Sol-Gel Derived High-Entropy Perovskite (Y _{0.2} Nd _{0.2} Sm _{0.2} Eu _{0.2} Er _{0.2})AlO ₃	Leonid Vasylechko	Lviv, UA
P51	Spark Plasma Sintering of the B ₁₃ C ₂ -VB ₂ Composition	Andriana Ivanushko	Lviv, UA
P52	Synthesis Method for Single Crystals of the Compound Ti ₃ SiC ₂	Anastasiia Broda	Lviv, UA
P53	Exploring high magnetocrystalline anisotropy in Ni ₅₀ Mn ₂₅ Ga ₂₀ Fe ₅ single crystals	Taras Kovalyuk	Prague, CZ