2024 International Workshop on Magnetic Crystallography

	24th, November	25th, November	26th, November	27th, November	28th, November	29th, November	30th, November	
8:30-9:15 45 min.		Welcome and workshop overview (An introduction of CSNS)	Javier Campo: Polarized neutron diffraction I: fundamentals and examples	Branton Campbell: A general introduction to magnetic superspace groups1	Juan Manuel Perez-Mato: Representation analysis vs. magnetic space groups	Qingzhen Huang: Introduction to GSAS/ Magnetic structure in GSAS：its cooperation with other magnetic crystography tools 1	Masato Hagihala: Z-Rietveld and its cooperation with other magnetic crystography tools (tentative)	8:30-9:15
9:15-10:00 45 min.		Takashi Kamiyama： Overview on neutron diffractometer	Javier Campo: Polarized neutron diffraction II: fundamentals and examples	Branton Campbell: A general introduction to the ISOTROPY Software Suite.	Dmitry Khalyavin: Topolgical/multi-k magnetic structures1	Qingzhen Huang: Introduction to GSAS/ Magnetic structure in GSAS：its cooperation with other magnetic crystography tools 2	Maria-Teresa Fernandez-Diaz: Instruments around the world and How to get a beamtime for your experiment?	9:15-10:00
10:00-10:20		Tea break	Tea break	Tea break	Tea break	Tea break	Tea break	10:00-10:20
10:20-11:20 60 min.		Qingzhen Huang： Introduction to Magnetic neutron diffraction - a tool for magnetic structure determination	Juan Rodriguez-Carvajal: Introduction to Fullprof Suite. Options to define magnetic structure models and future software developments 1	Juan Rodriguez Carvajal: Magnetic Representational Analysis	Dmitry Khalyavin: Topolgical/multi-k magnetic structures2	Cinthia Antunes Correa: Introduction to JANA	Juan Manuel Perez-Mato: The MAGNDATA database and how to properly report a magnetic structure	10:20-11:20
11:20-12:20 60 min.		Javier Campo: Basics on magnetic structure (Magnetic structure factors, form factors, k-vector etc.)	Juan Rodriguez-Carvajal: Introduction to Fullprof Suite. Options to define magnetic structure models and future software developments 2	Juan Rodriguez Carvajal: "hands-on" Demonstration of BasIreps Representational Analysis	Branton Campbell: Magnetic superspace symmetry and incommensurate magnetic models using the ISOTROPY Software Suite.	Margarida HENRIQUES: Magnetic structures in Jana 2020	Françoise DAMAY: Examples on how to report a magnetic structure	11:20-12:20
12:20-14:00	Registration	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	12:20-14:00
14:00-15:00 60 min.		Juan Manuel Perez-Mato: Magnetic space groups and the magnetic section of Bilbao Crystallographic Server 1	Hands-on tutoria-Dmitry Khalyavin： Example of Fullprof refinement of commensurate magnetic structures from TOF diffraction data with magnetic space group method	Hands-on tutoria-Françoise DAMAY: Example of Fullprof refinement of commensurate and incommensurate magnetic structures from CW/TOF diffraction data using Representation analysis method	Hands-on tutoria-Branton Campbell: Magnetic model construction using Isodistort 1: commensurate and multi-k cases	Hands-on tutoria-Antunes Correa Cinthia: Magnetic structure analysis and refinement with JANA 1	Hands-on tutoria-Maria-Teresa Fernandez-Diaz: Example of magnetic structures determination from CW diffraction data	14:00-15:00
15:00-16:30 90 min.		Juan Manuel Perez-Mato: Magnetic space groups and the magnetic section of Bilbao Crystallographic Server 2	Hands-on tutoria-Dmitry Khalyavin： Example of Fullprof refinement of commensurate magnetic structures from TOF diffraction data with magnetic space group method	Hands-on tutoria-Françoise DAMAY: Example of Fullprof refinement of commensurate and incommensurate magnetic structures from CW/TOF diffraction data using Representation analysis method	Hands-on tutoria-Branton Campbell: Magnetic model construction using Isodistort 2: incommensurate and multi-k cases	Hands-on tutoria-Margarida Henriques: Magnetic structure analysis and refinement with JANA 2	Hands-on tutoria-Maria-Teresa Fernandez-Diaz: Example of magnetic structures determination from CW diffraction data	15:00-16:30
16:30-16:50		Tea break	Tea break	Tea break	Tea break	Tea break	Tea break	16:30-16:50
16:50-17:10 20 min.		user report	user report	user report	user report	user report	user report	16:50-17:10
17:10-18:00 50 min.		Questions	Questions	Questions	Questions	Questions	Questions and Closing	17:10-18:00
18:00-20:00		Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	18:00-20:00