



TNT2024 Summer School

Small-Angle Scattering & Reflectometry

San Giovanni in Valle Aurina (BZ, Italy)
16 - 21 June 2024

Preliminary programme

	Sunday, June 16, 2024	Monday, June 17, 2024	Tuesday, June 18, 2024	Wednesday, June 19, 2024	Thursday, June 20, 2024	Friday, June 21, 2024
08:30 09:15	Mathematical methods U. Bafile	Fundamental of SANS R. Schweins	Introduction to NR N. Paracini	Neutron detectors F. Piscitelli	Applications of SANS to biology and biophysics E. del Favero	NR and magnetism with polarised neutron T. Saerbeck
09:15 10:00						
10:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
10:30 11:15	Theory of neutron scattering R. Magli	Strategies of SANS data analysis 1 and presentation of Sasview S. King	Strategies of NR data analysis E. Scoppola	Bayesian methods A. de Francesco	Applications of SANS to chemistry and material Science L. Caselli	Applications of NR to biology and biophysics A. Luchini
11:15 12:00		Strategies of SANS data analysis 2 and presentation of Genfit F. Spinozzi	Analysis of NR data M. Maccarini		Applications of SANS to Heritage Science C. Mondelli	Applications of NR to Soft Matter Y. Gerelli
	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
13:30 14:15	Physics of neutron production C. Reiter	SANS collective tutorial - Overview of SANS instruments S. King	NR collective tutorial - Overview of NR instruments, monochromatic beam, TOF N. Paracini		SANS and simulations M. Gonzales	Application of NR to polymers P. Gutfreund
14:15 15:00	Physics of sources: nuclear reactors C. Reiter	SANS collective tutorial - Data collection/reduction R. Schweins	NR collective tutorial - Data collection/reduction N. Paracini		SANS group tutorials F. Sebastiani, C. Ricci, S. Zorzi, L. Caselli	NR group tutorials Y. Gerelli, P. Gutfreund, A. Luchini, T. Saerbeck, F. Sebastiani
	Coffee break	Coffee break	Coffee break			
15:30 16:15	Physics of sources: spallation sources L. Quintieri	SANS group tutorials F. Spinozzi, S. King, A. Luchini, G. Vitiello	NR group tutorials M. Maccarini, F. Sebastiani, E. Scoppola, A. Luchini			
16:15 17:00	Physical basis of neutron detection A. Pietropaolo					
17:00 17:45						
17:45 18:30	European neutron facilities G. Fragneto		Presentation of the Italian Neutron Science Society			