



Società Italiana di Spettroscopia Neutronica

SISN Advanced School 2018

Neutron scattering data handling, numerical methods, statistical and computational tools: the complex *background* of neutron experiments

18-22 June 2018

TIMETABLE



Società Italiana di Spettroscopia Neutronica

Mon 18		Tue 19		Wed 20		Thur 21		Fri 22	
8.30 9.00	Opening ADF, EG <i>Participants describe their interests</i>	9.00 10.30	Simulating neutron instruments and experiments. McStas environment FARHI	9.00 10.30	Interpreting neutron and simulation spectra: general description for simple systems BELLISSIMA	9.00 10.30	Quasi-elastic neutron scattering WUTTKE	9.00 10.30	Problems and solutions in the analysis of SANS data Programs for SANS data handling SPINOZZI
9.00 10.30	What we measure and what we look for. Typical problems and solutions in NS data analysis GUARINI	10.30 10.45	COFFEE BREAK	10.30 10.45	COFFEE BREAK	10.30 10.45	COFFEE BREAK	10.30 10.45	COFFEE BREAK
10.30 10.45	COFFEE BREAK	10.45 12.15	Analysis of crystal structures and Rietveld refinement CERETTI	10.45 12.15	Statistical methods. Bayesian approach to the analysis of NS data DE FRANCESCO	10.45 12.15	Models and simulations for biological systems PACIARONI	10.45 12.15	<u>PRACTICALS</u> <i>Analysis of SANS data</i> SPINOZZI MACCARINI FRATINI MORETTI/ORTORE
10.45 12.15	Simulations for neutrons and neutrons for simulations. GONZÁLEZ	14.15 15.00	Analysis of crystal structures FullProf environment CERETTI	14.15 15.45	Powder diffraction GSas environment TOBY	14.15 15.45	Problems and solutions in the analysis of liquid structural data MAGLI	14.15 15.30	END OF PRACTICALS BEGUN BEFORE LUNCH
14.15 15.45	Error analysis and resolution effects in NS and simulation data BAFILE	15.00 15.45	Magnetic structures FullProf environment GRENIER					17.00	ILL AND THE ITALIAN USER COMMUNITY
15.45 16.00	COFFEE BREAK	15.45 18.00	<u>PRACTICALS</u> <i>Analysis of diffraction patterns by FullProf</i> GRENIER CERETTI <i>Experiment simulation by McStas</i> FARHI BELLISSIMA&DEL ROSSO	15.45 18.00	<u>PRACTICALS</u> <i>Analysis of diffraction patterns by GSas</i> TOBY GRAZZI CATTI DEL ROSSO	15.45 18.00	<u>PRACTICALS</u> <i>Analysis of biological samples</i> PACIARONI LUCHINI <i>Analysis of quasi-elastic spectra</i> WUTTKE <i>Analysis of liquid structural data</i> MAGLI	19.30 School dinner 20.45 <i>Dessert and concluding session in the teaching room</i>	
16.00 17.15	Multiple scattering Computational methods BAFILE								

