

Joint INFN - the Abdus Salam ICTP School on
"Magnetic Properties of Condensed Matter Investigated
by Neutron Scattering and Synchrotron Radiation Techniques"
(1 - 11 February 2000)

co-sponsored by GNSM
Gruppo Nazionale per la Struttura della Materia del Consiglio Nazionale delle Ricerche, Italy

FINAL PROGRAMME

All lectures were held in Lecture Room "C", Main Building, Terrace Level

Monday, 31 January 2000

17.30

Small Reception - Main Building Cafeteria

Tuesday, 1 February 2000

08.00 - 08.45

REGISTRATION - Main Building, ground floor, reception area

08.45 - 09.00

O. MOZÉ
(INFN, Modena)

Opening Remarks

09.00 - 10.30

R. BALLOU
(CNRS, Grenoble)

Microscopic mechanisms of magnetic interactions - part I

10.30 - 11.00

Coffee break

11.00 - 13.00

R. BALLOU
(CNRS, Grenoble)

Microscopic mechanisms of magnetic interactions - part II

13.00 - 14.30

Lunch break

14.30 - 16.30

R. BALLOU
(CNRS, Grenoble)

Problem class

16.30 - 17.00

Coffee break

17.00 - 19.00

D. PESCIA
(ETH, Zürich)

Model magnetic Hamiltonians - part I

Wednesday, 2 February 2000

08.45 - 10.30

D. PESCIA
(ETH, Zürich)

Model magnetic Hamiltonians - part II

10.30 - 11.00

Coffee break

11.00 - 13.00

D. PESCIA
(ETH, Zürich)

Problem class

13.00 - 14.30

Lunch break

14.30 - 16.30

M. WEINERT
(BNL, Upton)

Magnetic moment formation - part I

16.30 - 17.00

Coffee break

17.00 - 19.00

M. WEINERT
(BNL, Upton)

Magnetic moment formation - part II

Thursday, 3 February 2000

08.45 - 10.30	M. WEINERT (BNL, Upton)	Problem class
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	A. FURRER (ETH, Zürich and PSI, Villigen)	Principles of magnetic neutron scattering - part I
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	A. FURRER (ETH Zürich and PSI, Villigen)	Principles of magnetic neutron scattering - part II
16.30 - 17.00		<i>Coffee break</i>
17.00 - 19.00	A. FURRER (ETH, Zürich and PSI, Villigen)	Problem Class

Friday, 4 February 2000

08.45 - 10.30	M. BLUME (APS, New York)	Theory of magnetic photon scattering - part I
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	M. BLUME (APS, New York)	Theory of magnetic photon scattering - part II
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	M. BLUME (APS, New York)	Problem class
16.30 - 17.00		<i>Coffee break</i>

Monday, 7 February 2000

08.45 - 10.30	F. TASSET (ILL, Grenoble)	Polarized neutrons - part I
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	F. TASSET (ILL, Grenoble)	Polarized neutrons - part II
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	F. TASSET (ILL, Grenoble)	Problem class
16.30 - 17.00		<i>Coffee break</i>

Micro-seminars

17.00 - 17.20	K. KUACGOR AYUEL (Univ. Amsterdam)	Atomic magnetic densities and form factors
17.20 - 17.40	C.A. BARRERO MENESES (U. de Antioquia, Medellin)	Magnetism in Al-goethite of varying crystallinity
17.40 - 18.00	T. STRÄSSLE (ETH Zürich & PSI, Villigen)	The Barocaloric effect in rare-earth compounds: An application of crystal fields
18.00 - 18.20	J. LOPEZ LINARES (U. de Sao Carlos)	Unusual magnetization relaxation measurements in the charge ordering compound $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$

Tuesday, 8 February 2000

08.45 - 10.30	A.C. BLAND (Cavendish Lab., UK)	Neutron reflectometry - part I
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	A.C. BLAND (Cavendish Lab., UK)	Neutron reflectometry - part II
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	A.C. BLAND (Cavendish Lab., UK)	Problem Class
16.30 - 17.00		<i>Coffee break</i>

Micro-seminars

17.00 - 17.20	L. PASQUALI (Univ. Modena)	The XMoss Bealine at ELETTRA
17.20 - 17.40	M. HOESCH (Univ. Zürich)	COPHEE - The COmplete PHotoEmission Experiment
17.40 - 18.00	O. ZAHARKO (PSI, Villigen)	Soft X-Ray magnetic circular dichroism in a Fe _{0.50} Co _{0.48} VO _{0.02} /Ti multilayer in transmission: polarimetry and elementally resolved magnetism
18.00 - 18.20	Y. ACREMANN (ETH, Zürich)	Time resolved Kerr-microscopy on ferromagnetic dots

Wednesday, 9 February 2000

08.45 - 10.30	C. VETTIER (ILL, Grenoble)	Magnetic photon scattering - part I
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	C. VETTIER (ILL, Grenoble)	Magnetic photon scattering - part II
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	C. VETTIER (ILL, Grenoble)	Problem Class
16.30 - 17.00		<i>Coffee break</i>
17.00 - 19.00	G. VAN DER LAAN (Daresbury Lab., UK)	Magnetic circular dichroism- part I

Thursday, 10 February 2000

08.45 - 10.30	G. VAN DER LAAN (Daresbury Lab., UK)	Magnetic circular dichroism - part II
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	G. VAN DER LAAN (Daresbury Lab., UK)	Problem Class
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	H.C. SIEGMANN (ETH, Zürich)	Ultrafast magnetic dynamics - part I

16.30 - 17.00		<i>Coffee break</i>
17.00 - 19.00	H.C. SIEGMANN (ETH, Zürich)	Ultrafast magnetic dynamics - part II

Friday , 11 February 2000

08.45 - 10.30	H.C. SIEGMANN (ETH, Zürich)	Problem Class
10.30 - 11.00		<i>Coffee break</i>
11.00 - 13.00	C. CARBONE (KFA, Jülich)	Photoemission spectroscopy - part I
13.00 - 14.30		<i>Lunch break</i>
14.30 - 16.30	C. CARBONE (KFA, Jülich)	Photoemission spectroscopy - part II
16.30 - 17.30	C. CARBONE (KFA, Jülich)	Problem Class
17.30 - 18.00	M. ALTARELLI (ELETTRA, Trieste)	Summary and Closing Remarks