

IDM2004 Programme
Version 2.1
2/9/04

The talk time in minutes is specified in the right-hand column.

Monday September 6

09:00	Andrew Lawrence	Introduction and Welcome	10 min
<i>Cosmology and large-scale structure</i>			
09:15	John Peacock	Large Scale Structure and CMB	25 min
09:45	John Quenby	Baryonic dark matter	15 min
10:05	Michael Merrifield	Dark matter on Galactic Scales (and the Lack Thereof)	25 min
10:35	<i>Coffee</i>		
<i>Non-baryonic dark matter: theory</i>			
11:00	Keith Olive	Grand unification, gravitinos and dark matter	25 min
11:30	Leszek Roszkowski	SUSY WIMPs and prospects for their detection	25 min
12:00	Mario Gomez	CP phases and neutralino relic density	15 min
12:20	Edward Baltz	Markov Chain Monte Carlo exploration of SUSY	15 min
12:40	Ana Teixeira	Theoretical predictions for direct detection of neutralino dark matter in the NMSSM	15 min
13:00	<i>Lunch</i>		
<i>Microlensing and dark matter</i>			
14:00	Andy Taylor	Probing the dark universe with gravitational lensing	25 min
<i>Baryonic dark matter I</i>			
14:30	Wyn Evans	Latest microlensing results	25 min
15:00	Alan McConnachie	A bird's-eye view of M31 and its satellites	15 min
15:20	Philippe Jetzer	Microlensing events towards LMC and M31	15 min
15:40	Richard Lieu	X-rays and dark matter	15 min
16:00	<i>Coffee</i>		
<i>Neutrinos I</i>			
16:30	Klaus Eitel	Direct measurements of the neutrino mass	25 min
17:00	Angelo Nucciotti	Present and future of double beta decay experiments	25 min
17:30	Josef Jochum	Measurement of θ_{13} with the Double Chooz	25 min
evening	<i>Reception at Scottish Whisky Heritage Centre</i>		

Tuesday September 7

<i>WIMPs: direct detection I – running experiments</i>			
09:00	Pierluigi Belli	DAMA: results and perspectives	25 min
09:30	Michael Dragowsky	CDMS first results from Soudan	15 min
09:50	Veronique Sanglard	From EDELWEISS-I to EDELWEISS-II	15 min
10:10	Bela Majorovits	The CRESST dark matter search	15 min
10:30	Vitaly Kudryavtsev	Results from ZEPLIN-I	15 min
10:50	Franco Giuliani	The SIMPLE dark matter search	15 min
11:10	<i>Coffee</i>		
<i>Neutrinos II</i>			
11:40	Hans V. Klapdor-Kleingrothaus	Hot dark matter in the universe and the role of neutrinoless double beta decay	15 min
12:00	George M. Fuller	Sterile neutrinos and dark matter	15 min
12:20	Jean-Luc Vuillemier	The EXO double beta decay project	15 min
12:40	Yannis Giomataris	NOSTOS	15 min
13:00	Hans V. Klapdor-Kleingrothaus	Status of the GENIUS test facility	12 min
13:15	<i>Lunch</i>		
<i>Non-baryonic dark matter</i>			
14:10	Michael Kachelriess	Superheavy dark matter	15 min
14:30	Daniel Hooper	Indirect detection of Kaluza-Klein dark matter	15 min
14:50	Chris Savage	WIMP spin-dependent couplings and experimental limits	15 min
15:10	Franco Giuliani	Model-independent experimental limits on spin-dependent WIMPs	15 min
15:30	Irina Krivosheina	New limits on WIMP-neutron spin-dependent couplings from HDMS	12 min
<i>Cosmology</i>			
15:45	Alain Blanchard	Is there an alternative to the cosmological concordance?	15 min
16:05	<i>Coffee</i>		
16:30	<i>Parallel sessions: WIMP direct detection II and Baryonic dark matter II</i>		
evening	<i>ILIAS Advanced Detectors meeting: convenor Ed Daw</i>	<i>ILIAS N6 (Theory) meeting: convenor Leszek Roszkowski</i>	

Wednesday September 8

<i>Halo structure I</i>			
09:00	Anne Green	WIMP direct detection: halo modelling and small scale structure	15 min
09:20	Stefan Hofmann	The power spectrum of CDM on sub-galactic scales	15 min
09:40	Andrew Zentner	The CDM substructure crisis and consequences for indirect dark matter detection	15 min
10:00	Larry Widrow	Galactic models and the search for dark matter	15 min
10:20	Pierre Sikivie	Cold dark matter caustics	15 min
10:40	Amina Helmi	The prolate shape of the Galactic dark matter halo	15 min
11:00	<i>Coffee</i>		
<i>Dark energy I</i>			
11:20	Ariel Goobar	Review of dark energy and future prospects	25 min
11:50	Katie Freese	Theories of dark energy	25 min
12:20	Neal Weiner	Relic neutrinos as the origin of dark energy	15 min
12:40	Leo Stodolsky	Neutrino and other bursts	15 min
13:00	<i>Lunch</i>		
<i>Halo structure II and directional detectors</i>			
14:00	Vyacheslav Dokuchaev	Small-scale DM clumps	15 min
14:20	Fu-Sin Ling	Diurnal and annual modulation of cold dark matter signals	15 min
14:40	Ben Morgan	Directional statistics for WIMP direct detection	15 min
15:00	Hiroyuki Sekiya	Dark matter search with direction sensitive scintillators	15 min
15:20	Neil Spooner	DRIFT	15 min
15:40	Kentaro Miuchi	R&D status of the NEWAGE experiment	15 min
16:00	<i>Coffee</i>		
<i>WIMPs: direct detection III</i>			
16:30	John Vergados	Some issues related to the direct detection of dark matter	15 min
16:50	Shigitaka Moriyama	XMASS	15 min
17:10	Rick Gaitskell	Status of XENON experiment	15 min
17:30	Hang-guo Wang	Status of ZEPLIN II Liquid Xenon Dark Matter Detector	15 min
17:50	Ed Daw	ZEPLIN-Max	15 min
evening	<i>Banquet at the Signet Library</i>		

Thursday September 9

<i>SUSY, dark matter and accelerator searches</i>			
09:00	David Cerdeno	Neutralino dark matter in supergravity theories with non-universal scalar and gaugino masses	15 min
09:20	David Miller (Edinburgh)	LHC and (SUSY) DM searches	15 min
09:40	Beate Heinemann	Experimental searches for SUSY at accelerators other than LHC	15 min
10:00	Georg Weiglein	SUSY and relevance to linear colliders	15 min
10:20	Roberto Ruiz de Austri	The gravitino as cold dark matter and implications for SUSY searches at the LHC	15 min
10:40	Gennadi Volkov	New ideas in high energy physics, within and beyond the Standard Model	15 min
11:00	<i>Coffee</i>		
11:30	Jacob Bourjaily	Calculation of the actual relic density	15 min
<i>Dark energy II</i>			
11:50	Carsten van der Bruck	Overview of models of dark energy and their cosmological consequences	15 min
12:10	Minos Axenides	Hybrid dark sector: locked quintessence by dark matter	15 min
12:30	Włodzimierz Piechocki	Cosmological singularities and dark energy	15 min
12:50	<i>Lunch</i>		
<i>Parallel sessions: Indirect detection of Dark Matter and Neutron backgrounds in Underground Labs</i>			
19:00	<i>Public lecture by Peter Kalmus at the Royal Museum</i>		

Friday September 10

<i>WIMPs: indirect detection</i>			
09:00	Joakim Edsjö	Indirect detection of neutralinos	25 min
<i>Axions</i>			
09:30	Darin Kinion	The Livermore axion search	15 min
09:50	Giovanni Cantatore	PVLAS results on laser production of axion-like dark matter candidate particles	15 min
10:10	Igor Irastorza	First results of the CERN axion solar telescope	15 min
<i>WIMPs: direct detection IV</i>			
10:30	Susana Cebrian	Results from CUORICINO and prospects for CUORE	15 min
10:50	Julio Morales	IGEX-DM and GEDEON	15 min
11:10	<i>Coffee</i>		
11:30	Blas Cabrera	CDMS future directions	15 min
11:50	Maria Martinez	Status of the ANAIS experiment	12 min
12:05	Lydia Torres	Performance of scintillating sapphire bolometers for the ROSEBUD experiment	12 min
12:20	Hyun-Su Lee	Development of low background CsI(Tl) crystals	12 min
12:35	Jung Won Kwak	Status of KIMS experiment WIMP search	12 min
12:50	Daniel Santos	MIMAC-He3: a helium-3 detector for axial direct detection of WIMPs	12 min
13:05	Yorck Ramachers	Exploiting the materials signature in cryogenic WIMP detectors	12 min
13:20	<i>Lunch</i>		
<i>Underground Laboratories</i>			
14:20	David Sinclair	SNOLab	12 min
14:35	Nicola Ferrari	LNGS and ILIAS	15 min
14:55	Gilles Gerbier	Fréjus	12 min
15:10	Alex Murphy	Boulby	12 min
15:25	Julio Morales	Canfranc	12 min
<i>Summary</i>			
15:40	Rick Gaitskell	Conference Summary talk	25 min
16:10	<i>Coffee</i>		
16:30	<i>Meeting of the ILIAS Underground Laboratories Group (activities JRA1 and N2)</i>		