
Day 1: Sunday (April 9)

08:30 – 11:30 Registration at lobby
11:30 – 12:30 ICB meeting Room: Library

14:00 – 16:00 **Plenary 1: Welcome** Room: Premier 1
Convener & Chair: Ali Fazely
Ali Fazely Welcome, meeting organization matters
Christian Spiering Collaboration Status

16:00 – 16:30 Break

16:30 – 19:00 **Parallel: Analysis** Room: MS - Delta
Conveners & Chairs: Lutz Koepke & Gary Hill

Simulation:

Gustav Wikstrom	Full simulation of 2006 detector	15 min
John Dumm	Comparison ice-9 <-> MC	15 min
Steve Movit	Cascade veto simulation in ice-9	15 min

Tools:

Nick v. E	Ralice/Icepack	15 min
Alfio Rizzo	GenN++ - neutrino generator	10 min

Data selection, calibration and quality:

P. Berghaus	Overview filtering 07-99	20 min
Martijn Duvoort	X-talk study	15 min
Carsten Rott	AMANDA timing calibration	15 min
Mike Walter	Laser T0's?	15 min
Ignacio Taboada	IceCube monitoring status	15 min

16:30 – 19:00 **Parallel: Verification** Room: Bayou - Levee
Convener & Chair: Doug Cowen

Verification Sub-Session 1:

M. D'Agostino	Intra-String Timing & Geometry (Flashers): Bottom 12 DOMs update	10 min
Dima Chirkin	Intra-String Timing & Geometry (Muons)	10 min
Chihwa Song	Inter-String Timing & Geometry (Flashers)	20 min
Carsten Rott	Inter-String Timing & Geometry (Muons)	15 min
Carsten Rott	First Look at DOM Efficiencies (Muons)	15 min
Chihwa Song	Update on the Phi-Orientation of DOMs Analysis	15 min
Tom McCauley	Update on PMT Gain Analysis	15 min

Calibration Sub-Session 1:

Serap Tilav	Verification of IceTop Data Configurations	10 min
Tonio Hauschildt	Low-gain DOM Calibration in DTP at Bartol	10 min
Kurt Woschnagg	Shifting the AMANDA Geometry	5 min
M. D'Agostino	HoleIce Studies Using Earliest Hits In In Flasher Events	15 min
Aya Ishihara	HoleIce Studies Using Full Waveform In Flasher Events	15 min
All	Discussion	

Day 1: Sunday (April 9) Continue

16:30 – 19:00

Parallel: New Methods

Room: Samuel Clemens - Natchez
Convener & Chair: Rolf Nahnauer

Introduction:

R. Nahnauer	Challenges towards a $\sim 100\text{km}^3$ hybrid neutrino observatory At the South Pole	15 min
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Optical Detectors:

M. Walter	Status report on Si-PMTs	15 min
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Radio Detectors:

K. Hoffman	Simulation of 06-07 optimal RF antenna spacing	15 min
D. Besson	Last season report and strategies for radio deployments	15 min
D. Besson	Radio front end digitizers and antenna design	10 min
A. Karle	DRM, using DOM technology as power and comms platform for an intermediate scale radio detector	15 min
D. Seckel	Air shower detection and composition measurements using a sub-surface radio array	20 min

Acoustic Detectors:

B. Price	Low frequency components of acoustic radiation from GZK neutrino induced cascades in glacial ice	15 min
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Discussion:

30 min

Day 2: Monday (April 10)

08:00 – 8:30 **Chancellor Edward R. Jackson Welcoming Remarks** Room Premier 1

08:30 – 10:00 **Plenary 2: Project Status, Drilling, Installation and Transition to Operation**

Room Premier 1
Convener & Chair: Jim Yeck

J. Yeck	IceCube Project Overview	20 min
A. Karle	Instrumentation Performance	20 min
J. Cherwinka	Drilling Performance Season 05/06	20 min
T. Ham	String Installation	15 min
T. Gaisser	IceTop Installation	15 min
J. Yeck	Transition to Operations	15 min

10:30 – 12:30 **Plenary 3: Science** Room Premier 1

Convener & Chair: Francis Halzen

Francis Halzen	Neutrinos from Starbursts	
Teresa Montaruli	Jointed multiwavelength campaign with WIYN and Veritas	20 min
Timo Messarius	Comparison of diffuse and coincident neutrino flux	
	Predictions of starburst galaxies	20 min
Andreas Gross	Interpreting stacking limits with respect to diffuse neutrino	20 min
	Flux predictions	
Marek Kowalski	Generalized constraints on extragalactic neutrino source	20 min
Tyce DeYoung	Novel Tau Neutrino Signatures	20 min
Aya Ishihara	EHE Physics with IceCube	20 min
Tom Gaisser	IceTop Overview	20 min
Katherine Rawlins	Meet the Anchorage Alaska Group	

14:00 – 16:00 **Parallel: Analysis** Room: MS - Delta

Convener & Chairs: Lutz Koepke & Gary Hill

Atmospheric neutrinos:

Jens Ahrens	altern. neutrino oscillations	10 min
John Kelley	constraining new physics	20 min
Doug Rutledge	atmosph. neutrino induced cascades	15 min

Cosmic ray:

Karen Andeen	Cosmic ray composition Spase/AMANDA	15 min
Newt Ganagupati	Downgoing muon analysis	15 min
Maria Gurtner	Status of anisotropies	15 min
Serap Tilav	IceTop response to muons	15 min
Levant Demirors	Stopping mu in IceTop	15 min

14:00 – 16:00 **Parallel: Calibration & Standard Candles** Room: Bayou - Levee

Convener & Chair: Kurt Woschnagg

Ice Properties:

Ryan Bay	Dust layer tilt from dust logger data	15 min
Dawn Williams	Dust layer tilt from muon occupancy	15 min
Doug Rutledge	Dust layers from fluence analysis	15 min
All	Discussion of dust tilt measurements	15 min

Standard Candle Workshop:

Ignacio Taboada	Introduction	5 min
Justin Vandembroucke	SC internal calibration	15 min
M. D'Agostino	A low-level look at Standard Candle data	15 min
Dima	Standard Candle energy reconstruction	10 min
All	Workshop / Discussions	15 min

Day 2: Monday (April 10) Continue

14:00 – 16:00

Parallel: Simulation

Room: Samuel Clemens - Natchez

Convener & Chair: Klas Hultqvist

Klas Hultqvist	Simulation planning	20 min
Teresa Montaruli	Coordinate transformation	10 min
Tom McCauley	DOMsimulator update and simulation production @ LBNL	15 min
Levant Demirörs	Simulating the IceTop tank response to muons	20 min
Peter Niessen	IceTop simulation results	15 min
Juan Carlos Diaz Velez	Simulation production system	20 min
Xianwu Xu	RH V4 cluster for IceSim production at SU	15 min
Henrik Johansson	Simulation production in Sweden	15 min
Alex Olivas	Status of IceSim software	15 min
All	IceSim 2 status (discussion)	20 min

16:30 – 19:00

Parallel: Analysis

Room: MS - Delta

Convener & Chairs: Lutz Koepeke & Gary Hill

Cascade diffuse:

Oxana Tarasova	Status of 00-0x cascade analysis	15 min
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Muon reconstruction:

Kara Hoffman	Muon analysis working group	15 min
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Point source:

Ali Fazely	Supernova detection with IceCube	15 min
Bruny Baret	Using false disc. rate control mech.	15 min
Jim Braun	Point source search strategies	15 min
John Pretz:	Status of AMANDA 00-05 search	15 min

GRB:

Brennan Hughey	Rolling cascade GRB search	20 min
Erik Strahler	GRB	20 min
Nick Van Einj.	Ideas: Model indep. GRB search	20 min

16:30 – 19:00

Parallel: Reconstruction, Flasher/Cascade

Room: Bayou - Levee

Convener & Chairs: Stefan Schlenstedt & Spencer Klein

Joint session with Flasher/Cascade:

Stefan Schlenstedt	Introduction	
Spencer Klein	Introduction	
Doug Rutledge	Updates to the cascade log likelihood fit	15 min
Tom Mccauley	Reconstruction with Renew	15 min
Rodin Porrata	Progress implementing cvertex in IceRec	15 min
Dmitry Chirkin	Cascade reconstruction in rime	15 min
Sean Grullon	An Update on Waveform-based loglikelihood reconstruction	15 min
Spencer Klein	How to compare cascade algorithms → discussion	15 min
Stefan Schlenstedt for H. Landsman & D Pieloth	Online filter studies for IceCube	
John Pretz	Effect of different filtering schemes on real data rates	

Only Flasher/Cascade:

Chris Wendt	T saturation - FAT, lab, in ice	15 min
Michaelangelo	Flasher simulation	15 min
Doug Rutledge	Work on cascade background rejection	15 min
Discussion	"moving toward a cascade analysis"	

Day 3: Tuesday (April 11)

08:30 – 10:00

Plenary 4: AnaysisRoom: Premier 1
Convener & Chair: Lutz Koepke & Gary Hill**Overview:**

Lutz Koepke	Analysis overview	25 min
Gary Hill	IceCube working group structure	20 min

IceCube Goodies:

Ryan Bay	Dust logger	15 min
Andres Morey	The standard candle	15 min
Spence Klein	Summary of flasher activities	20 min

10:00 – 10:30

Break

10:30 – 12:30

Plenary 5: PY05 Maintenance & Op's PlansRoom: Premier 1
Convener & Chair: Jim Yeck

R. Paulo	Project Year 5 Overview	15 min
J. Haugen	Instrumentation Plans for PY5 and Beyond	10 min
J. Cherwinka	Drilling and Installation Plans	15 min
D. Schneider/R. Silva	Counting House Transition Schedule (cancelled?)	15 min
J. Yeck	Maintenance & Operations Plans	15 min
G. Sulliva	Data Systems M&O Plans	15 min
D. Laitsch	M&O Planning & Budgets	15 min
A. Goldschmidt	Run Coordination	15 min
Kirill Filimonov	Monitoring	15 min

12:30 – 16:30

Excursion to LIGO

16:30 – 19:00

Parallel: Joint Calibration - VerificationRoom: MS - Delta
Convener & Chair: Doug Cowen**Calibration Sub-Session 2:**

Shigeru Yoshida	Golden DOMs Status	15 min
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Verification Sub-Session 2:

Dawn Williams / Mark Krasberg / Paulo Desiati	realDAQ/testDAQ rate comparison	30 min
Seon-Hee See / Dima Chirkin / Dave Seckel	Ghost Track in realDAQ data	30 min
Brendan Fox / Dawn Williams	Brief Status Report on Commissioning Data-taking at Pole	15 min
Kara Hoffman / Phil Roth	Plans for Verification Monitoring	25 min
All	Further Discussion on Verification of Incoming Physics Data	35 min

Day 3: Tuesday (April 11) Continue

16:30 – 19:00

Parallel: Simulation

Room: Bayou - Levee
Convener & Chair: Klas Hultqvist

Paolo Desiati	Production planning	10 min
Jon Dumm	Simulation verification	20 min
Steve Movit	Cascade Veto Simulations for the 2006 combined detector	20 min
Johan Lundberg	Summary of photonics in simulation context	20 min
Stephan Hundertmark	AMASIM status	15 min
Maria Gurtner	Mass production of down-going muon	15 min
	Discussion	30 min

16:30 – 19:00

Parallel: AMANDA/IceCube Integration

Room: Samuel Clemens - Natchez
Convener & Chair: Tyce DeYoung

Christopher Wiebusch	Synchronization hardware status	25 min
Wolfgang Wagner	TWR and Plans	15 min
	Discussion: Hardware plans	40 min
Wolfgang Wagner	Joint event building & data handling plan	20 min
	Discussion: Software plans	40 min

Day 4: Wednesday (April 12)

08:30 – 10:00 **Plenary 6: Status of the Online Filter Studies for Pole** Room: Premier 1
Convener & Chair: Greg Sullivan

Kael Hanson	DAQ Status and Plans	15 min
Jim Braun	DOMCal	15 min
Mark Krasberg	Commissioning	15 min
Erik Blaufuss	Online Filter Status	15 min
Greg Sullivan	Filtering Plan Overview	10 min
Stefan Schlenstedt	Proposal for the Online Filter at Pole	20 min

10:30 – 12:30 **Plenary 7: Analysis** Room: Premier 1
Convener & Chairs: Lutz Koepke & Gary Hill

Diffuse:
Andreas Gross Results from spectral unfolding 15 min

Target of opportunity:
Elisa Bernadini Target of opportunity program 20 min
Timo for D. Leyer Coincident neutrino/gamma 5 min

Calibration/simulation/photonics:
Stephan H. Using amasim and photonics 20 min
Johan L. Photonics and Icemodel 15 min
Christin / Thomas B. Comparison simulation (Photonics and PTD) with 2003 exp. Data 15 min

Data filtering:
David Boersma Overview filtering 2005 data 30 min

14:00 – 16:00 **Parallel: New Methods** Room: MS - Delta
Convener & Chair: Rolf Nahnauer

Acoustic Detectors:
S. Boeser SPATS overview and in-ice components 20 min
S. Hundertmark SPATS surface hardware 15 min
J. Vandenbroucke SPATS data acquisition 20 min
R. Nahnauer SPATS deployment 06/07 conditions and needs 15 min

General:
A. Laundrie Engineering support for new detection methods 20 min

Discussion: 30 min

14:00 – 16:00 **Parallel: Reconstruction** Room: Bayou - Levee
Convener & Chair: Stefan Schlenste

Erik Blaufuss	Offline software toward dataclass V2	
Erik Blaufuss	PnF and filter set-up	
Dmitry Chirkin	Status of FeatureExtractor	
Gustav Wikström	TWRpulse extraction and calibration	
	Filtering of AMANDA TWR data	
Steve Movits	Joint TWR and IceCube reconstruction	
Maria Gurtner	Status of iPdf	
Johan Lundberg	Summary of photonics progress in reconstruction context	

Day 4: Wednesday (April 12) Continue

14:00 – 16:00

Parallel: DAQ

Room: Samuel Clemens - Natchez
Convener & Chair: Kael Hanson

DAQ Software:

Keith Beattie	Surface DAQ Software Configuration and Deployment	20 min
Christopher Day	Location Independence – Shuffling Components on the Fly	15 min
Kotoyo Hoshina	Status of payloads-unpacker	15 min
Chuck Mcparland	IceCube DAQ system: current status and future plans	30 min
Seon-hee Seo	Snap Shots of rDAQ Data	20 min
Martin Stoufer	10 Things you need to know about portlet	20 min
Martin Stoufer	How to create your environment if IceAxe	15 min
Patrick Toale	Something about triggers	20 min

16:30 – 19:00

Parallel: Analysis

Room: MS - Delta
Convener & Chair: Lutz Koepke & Gary Hill

WIMPs:

Daan Hubert	00-03 solar wimps	20 min
Thomas Burgess	Solar wimps 2003	20 min

Discussion sessions:

- target of opportunity program
 - simulation
 - future of AMANDA
 - Mini-Wimp workshop
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16:30 – 19:00

Parallel: Reconstruction

Room: Bayou - Levee
Convener & Chair: Stefan Schlenste

Dmitry Chirkin	Reconstruction with rime: multi-string reconstruction and other improvements
Dmitry Chirkin	A study of precision of the track direction reconstruction
Dusan Turcan	Analysis-tree
	Discussion on physics test
Kirill Filimonov	Icerc-tree: Status and prospects
Katherine Rawlins	Flat-ntuple
Nick van Eijndhoven	First attempts for multiple track pattern recognition

16:30 – 19:00

Parallel: DAQ Hardware

Room: Samuel Clemens - Natchez
Convener & Chair: Kael Hanson

Robert Stokstad	Common clock measurements of timing symmetry	20 min
Someone	DOM failures in the ice	30 min
Thorsten Stetzlberger	DOM FPGA – description and capabilities	20 min

19:00 – 20:30 Banquet at H.I.S

20:30 – Presentation by Buford Price, UCB

Day 5: Thursday (April 13)

08:30 – 10:00

Plenary 8: Analysis

Room: Premier 1
Convener & Chair: Lutz Koepke & Gary Hill

Diffuse:

Jessica Hodges	Status of 00-03 diffuse muons	25 min
Gary Hill	Full likel. Anal. Diffuse data	15 min
Shigeru Yoshida	Summary of High energy workshop	15 min
P.-O. for Lisa	Status of 2000 UHE analysis	20 min
Per-Olef Hulth	“UHE events: are they real?”	15 min

10:20 – 12:40

Plenary 9: Data Systems Verification

Room: Premier 1
Convener & Chair: Greg Sullivan

Data systems:

Darryn Schneider	SPS status and plans for '06-07	10 min
Erik Blaufuss	Data Analysis with Offline Version 2	15 min
Klas Hultqvist	Simulation Status and Plans	20 min

Data verification etc.

Allan Hallgren	New Method Summary	20 min
Brendan Fox	Verification Results and Plans	25 min
Tonio Hauschildt	Verification of IceTop	10 min
Carsten Rott	Long Term IceCube Timing Stability Studies	10 min
Kurt Woschnagg	IceCube Calibration	15 min
Ty DeYoung	AMANDA/IceCube Integration	20 min

14:00 – 16:00

Plenary 10: E&O at Southern U.

Student Union Ball Room
Convener & Chair: Jim Madsen

Ali Fazely	Introducing Chancellor Edward Jackson	
Edward Jackson	Welcome	10 min
Diola Bagayoko	Systemic Mentoring at the Timbuktu Academy	10 min
Howard matis	Observing Muons in the Classroom	10 min
Michael Walter	School project at DESY for Cosmic Particle Search	10 min
Mildred Smalley	Research and Education at SUBR	10 min
Philippe Herquet	From Antarctica to Particle Physics: Outreach Activities in Belgium	10 min
Jill Moe	The UWRF Upward Bound Program	10 min
Jim Madsen/Stevenoski	Hands-on Summer Science for Students	10 min
Kara Hoffman	Quarknet at MD	10 min
Per Olof Hulth	E&O at Stockholm	10 min
Christian Spiering		10 min
	Discussion of E&O proposal	

16:30 – 17:30

Plenary 11: E&O at Southern U.

Student Union Ball Room
Convener & Chair: Jim Madsen

Public Session: The Whole World through Science:

Howard Matis / Michael Walter / Philippe Herquet / Per Olof Hulth /
Kara Hoffman / Steve Stevenoski / Jill Moe / Christian Spiering

Day 5: Thursday (April 13) Continue

17:30 – 19:00

Dinner at Southern U.

Student Union Ball Room

19:00 – 20:00

Public Lecture

Student Union Ball Room
Chair: Ali Fazely

Francis Halzen et al

A New Window on the Universe

Day 6 Friday (April 14)

08:30 – 10:00

Plenary 12: Analysis

Room: Premier 1
Convener & Chair: Lutz Koepke & Gary Hill

Point Source:

Markus Ackermann	2004 analysis + systematics	20 min
Juan-de-Dios Zornoza	SGR 1806 results	20 min
Christopher Wiebusch	Results from multiple analysis	15 min
Andreas Gross	Comparison of search strategies	20 min
Elisa Gross	Variable point source	20 min

10:00 – 10:30 Break

10:30 – 12:30

Closeout

Convener & Chair: Ali Fazely

Gary Hill	Summary of analysis	30 min
Greg Sullivan	Summary of Data System	30 min
