

## IceCube M&amp;O MoU SOW Summary v12.0 2012.0315

## Authors Contribution

v 12.0 , March 15, 2012		Authors Head Count			IceCube Authors: M&O Responsibilities (FTE)					
Funding Agency	Institution (Lead)	Ph.D. scientists	Faculty Scientists/ Post Docs	PhD. Students	WBS 2.1 Program Management	WBS 2.2 Detector Operations & Maintenance	WBS 2.3 Computing & Data Management	WBS 2.4 Triggering & Filtering	WBS 2.5 Data Quality, Reconstruction & Simulation Tools	Total
NSF	University of Alabama (Dawn Williams)	3	(2 1 3)			0.67		0.25	0.80	1.72
NSF	University of Alaska (Katherine Rawlins)	1	(1 0 0)			0.02			0.30	0.32
NSF	Clark Atlanta (George Japaridze)	1	(1 0 0)			0.02				0.02
NSF	Georgia Tech (Ignacio Taboada)	1	(1 0 1)			0.23		0.40		0.63
NSF	LBNL (Spencer Klein)	6	(4 2 1)		0.55	0.34	0.20	0.55	0.60	2.24
NSF	Ohio State University (Amy Connolly)	4	(2 2 0)		0.05	0.22				0.27
NSF	Pennsylvania State University (Doug Cowen)	5	(3 2 2)		0.30	0.06	0.42	0.50	0.60	1.88
NSF	Southern University (Ali Fazely)	4	(3 1 0)			0.02	0.30		0.60	0.92
NSF	Stony Brook University (Joanna Kiryluk)	2	(1 1 0)		0.05	0.10		0.45	0.20	0.80
NSF	University of California, Berkeley (Buford Price)	3	(1 2 1)		0.30	0.78		0.25	0.50	1.83
NSF	University of California, Irvine (Steve Barwick)	1	(1 0 1)			0.02				0.02
NSF	University of Delaware (Tom Gaisser)	9	(4 5 1)		0.30	1.45	0.65	0.70	0.75	3.85
NSF	University of Kansas (Dave Besson)	1	(1 0 0)		0.10	0.02				0.12
NSF	University of Maryland (Greg Sullivan)	7	(4 3 6)		0.90	0.54	1.00	1.00	1.15	4.59
NSF	University of Wisconsin, River Falls (Jim Madsen)	2	(2 0 0)		0.45	0.03			0.10	0.58
NSF	University of Wisconsin, Madison (Albrecht Karle)	17	(5 12 9)		1.34	2.09	1.90	1.00	2.85	9.18
	<b>U.S. Institutions Subtotal</b>	<b>67</b>	<b>(36 31 25)</b>		<b>4.34</b>	<b>6.60</b>	<b>4.47</b>	<b>5.10</b>	<b>8.45</b>	<b>28.96</b>
DESY	DESY-Zeuthen (Christian Spiering)	8	(4 4 11)		0.55	0.47	2.65	0.15	0.30	4.12
BMBF	RWTH Aachen (Christopher Wiebusch)	3	(1 2 8)		0.60	0.39	0.80	0.45	0.95	3.19
BMBF	Universität Dortmund (Wolfgang Rhode)	1	(1 0 4)			0.03	0.65		0.20	0.88
BMBF	Universität Mainz (Lutz Köpke)	2	(2 0 6)		0.25	1.25	0.10		0.60	2.20
BMBF	Universität Wuppertal (Klaus Helbing)	2	(1 1 7)		0.40	0.60	0.40	0.55	0.50	2.45
BMBF	Humboldt Universität Berlin (Alexander Kappes)	2	(2 0 1)		0.10				0.25	0.35
BMBF	Universität Bochum (Julia Becker)	1	(1 0 2)		0.10	0.03			0.30	0.43
BMBF	Technische Universität München (Elisa Resconi)	4	(1 3 1)		0.00	0.05			0.60	0.65
DFG	Universität Bonn (Marek Kowalski)	2	(1 1 3)			0.53		0.55	0.40	1.48
FNRS	Universite Libre de Bruxelles (Daniel Bertrand)	4	(2 2 3)		0.30	0.23	0.50	0.10		1.13
FNRS	Universite de Mons (Evelyne Daubie)	1	(0 1 0)			0.10	0.55			0.65
FWO	University of Gent (Dirk Ryckbosch)	3	(1 2 4)		0.10	0.03			0.50	0.63
FWO	Vrije Universiteit Brussel (Catherine de Clercq)	6	(2 4 3)		0.20	0.12	0.38	0.75	2.88	4.32
SRC	Stockholm University (Klas Hultqvist)	5	(5 0 4)		0.50	0.06	0.40	0.60	0.55	2.11
SRC	Uppsala University (Olga Botner)	3	(3 0 3)		0.65	0.03		1.05	0.00	1.73
NSERC	University of Alberta (Darren, Grant)	1	(1 0 1)		0.10		0.30	0.10	0.10	0.60
	University of the West Indies, Barbados (Suruj Seunarine)	1	(1 0 0)					0.15	0.15	0.30
STFC	University of Oxford (Subir Sarkar)	1	(1 0 0)			0.02			0.10	0.12
MARSDEN	University of Canterbury (Jenni Adams)	1	(1 0 3)			0.12				0.12
	University of Adelaide (Gary Hill)	1	(1 0 1)						0.90	0.90
JSPS	Chiba University (Shigeru Yoshida)	3	(1 2 1)			0.03		0.40	0.60	1.03
SNSF	Ecole Polytechnique Federale de Lausanne (Mathieu Ribordy)	2	(1 1 1)		0.02	0.48	0.10		0.30	0.90
SNSF	Université de Genève (Teresa Montaruli)	2	(1 1 0)		0.10	0.20		0.40	0.30	1.00
	<b>Non-U.S. Institutions Subtotal</b>	<b>59</b>	<b>(35 24 67)</b>		<b>3.97</b>	<b>4.77</b>	<b>6.83</b>	<b>5.25</b>	<b>10.48</b>	<b>31.29</b>
	<b>Total U.S. &amp; Non-U.S.</b>	<b>126</b>	<b>(71 55 92)</b>		<b>8.31</b>	<b>11.37</b>	<b>11.29</b>	<b>10.35</b>	<b>18.93</b>	<b>60.24</b>

Changes since last official version are colored red