

## IceCube M&amp;O MoU SOW Summary v11.0 2011.0915

## Authors Contribution

v 11.0 , September 15, 2011		Authors Head Count			IceCube Authors: M&O Responsibilities (FTE)						
Funding Agency	Institution (Lead)	Ph.D. scientists	Faculty Scientists/ Post Docs		Ph.D. 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	2)	0.75	0.21			0.75	1.71
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)	2	(1	1	1)	0.00	0.23	0.00	0.25		0.48
NSF	LBNL (Spencer Klein)	6	(3	3	1)	0.15	0.64	0.20	0.50	0.85	2.34
NSF	Ohio State University (Amy Connolly)	4	(2	2	0)	0.05	0.22		0.00	0.00	0.27
NSF	Pennsylvania State University (Doug Cowen)	4	(3	1	2)	0.30	0.06	0.42	0.67	0.45	1.90
NSF	Southern University (Ali Fazely)	4	(3	1	0)		0.02	0.30		0.60	0.92
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)	8	(4	4	2)	0.30	1.30	0.65	0.45	0.90	3.60
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)	20	(6	14	13)	1.38	2.37	1.70	0.95	2.85	9.25
	<b>U.S. Institutions Subtotal</b>	<b>67</b>	<b>(35</b>	<b>32</b>	<b>29)</b>	<b>4.68</b>	<b>6.47</b>	<b>4.27</b>	<b>4.07</b>	<b>8.45</b>	<b>27.94</b>
DESY	DESY-Zeuthen (Christian Spiering)	8	(6	2	6)	0.30	0.83	2.75	0.20	0.30	4.38
BMBF	RWTH Aachen (Christopher Wiebusch)	3	(1	2	7)	0.30	0.19	0.95	0.70	1.15	3.29
BMBF	Universität Dortmund (Wolfgang Rhode)	1	(1	0	4)		0.03	0.65		0.20	0.88
BMBF	Universität Mainz (Lutz Köpke)	2	(1	1	5)	0.20	0.65	0.35	0.20	0.30	1.70
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	0)	0.10	0.00		0.25	0.10	0.45
BMBF	Universität Bochum (Julia Becker)	1	(1	0	2)	0.10	0.03			0.30	0.43
DFG	MPI Heidelberg (Elisa Resconi)	3	(1	2	2)	0.50	0.05			0.60	1.15
DFG	Universität Bonn (Marek Kowalski)	2	(1	1	3)	0.00	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)		0.05	0.55			0.60
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	0.25	1.00	2.75	4.32
SRC	Stockholm University (Klas Hultqvist)	6	(5	1	2)	0.50	0.06	0.40	0.80	0.15	1.91
SRC	Uppsala University (Olga Botner)	4	(3	1	3)	0.70	0.23		0.70	0.05	1.68
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			0.00	0.12
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)	1	(1	0	1)	0.10	0.03			0.00	0.13
	<b>Non-U.S. Institutions Subtotal</b>	<b>56</b>	<b>(34</b>	<b>22</b>	<b>57)</b>	<b>3.90</b>	<b>3.83</b>	<b>7.10</b>	<b>5.70</b>	<b>8.25</b>	<b>28.78</b>
	<b>Total U.S. &amp; Non-U.S.</b>	<b>123</b>	<b>(69</b>	<b>54</b>	<b>86)</b>	<b>8.58</b>	<b>10.30</b>	<b>11.37</b>	<b>9.77</b>	<b>16.70</b>	<b>56.71</b>

Changes since last official version are colored red