

## IceCube M&amp;O MoU SOW Summary v8.2 2010.0430.xls

## M&amp;O Core &amp; In-Kind - Authors

v 8.2 , April 30, 2010

Funding Agency	Institution (Lead)	Head Count			SERVICE WORK paid by NSF M&O CORE & INST. IN-KIND (FTE)					Total	
		Ph.D. scientists	Faculty	Scientists / Post Docs	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
NSF	University of Alabama (Dawn Williams)	2	(1	1	2)		0.63			0.45	1.08
NSF	University of Alaska (Katherine Rawlins)	1	(1	0	0)		0.02			0.40	0.42
NSF	Clark Atlanta (George Japaridze)	1	(1	0	0)		0.02				0.02
NSF	Georgia Tech (Ignacio Taboada)	2	(1	1	1)	0.25	0.23	0.20	0.00		0.68
NSF	LBNL (Spencer Klein)	7	(3	4	1)	0.15	0.89	0.20	0.25	0.80	2.29
NSF	Ohio State University (James Beatty)	3	(1	2	1)	0.05	0.23		0.15	0.10	0.53
NSF	Pennsylvania State University (Doug Cowen)	6	(3	3	2)	1.05	0.06	0.42	0.78	0.53	2.83
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)	0.20	0.78		0.25	0.50	1.73
NSF	University of California, Irvine (Steve Barwick)	2	(1	1	1)		0.02				0.02
NSF	University of Delaware (Paul Evenson, acting for T. Gaisser)	8	(4	4	2)	0.30	1.30	0.15	0.10	1.15	3.00
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)	0.70	0.54	1.00	1.00	1.40	4.64
NSF	University of Wisconsin, River Falls (Jim Madsen)	3	(2	1	0)	0.25	0.05			0.30	0.60
NSF	University of Wisconsin, Madison (Albrecht Karle)	18	(5	13	12)	1.38	2.22	1.45	0.95	2.35	8.35
	<b>U.S. Institutions Subtotal</b>	<b>68</b>	<b>(32</b>	<b>36</b>	<b>29)</b>	<b>4.43</b>	<b>7.02</b>	<b>3.72</b>	<b>3.48</b>	<b>8.58</b>	<b>27.22</b>
DESY	DESY-Zeuthen (Christian Spiering)	8	(6	2	6)	0.25	0.83	2.75	0.20	0.30	4.33
BMBF	RWTH Aachen (Christopher Wiebusch)	3	(1	2	12)	0.20	0.09	1.45	0.40	0.80	2.94
BMBF	Universität Dortmund (Wolfgang Rhode)	1	(1	0	4)		0.03	0.65		0.20	0.88
BMBF	Universität Mainz (Lutz Köpke)	1	(1	0	7)	0.15	1.00	0.45		0.20	1.80
BMBF	Universität Wuppertal (Klaus Helbing)	3	(2	1	7)	0.40	0.60	0.40	0.20	0.50	2.10
BMBF	Humboldt Universität Berlin (Hermann Kolanoski)	2	(1	1	0)	0.15	0.13		0.40	0.10	0.78
BMBF	Universität Bochum (Julia Becker)	2	(1	1	1)	0.10	0.03			0.70	0.83
DFG	MPI Heidelberg (Elisa Resconi)	2	(1	1	3)	0.50	0.05			0.60	1.15
DFG	Universität Bonn (Marek Kowalski)	2	(1	1	2)	0.20	0.53		0.85	0.20	1.78
FNRS	Université Libre de Bruxelles (Daniel Bertrand)	4	(2	2	3)	0.30	0.23	0.50	0.20		1.23
FNRS	Université de Mons-Hainaut (Evelyne Daubie)	1	(1	0	1)		0.03	0.30			0.33
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)	4	(2	2	1)		0.03	0.50	0.50		1.03
SRC	Stockholm University (Per Olof Hulth)	6	(4	2	2)	0.60	0.06	0.70	0.80	0.55	2.71
SRC	Uppsala University (Olga Botner)	4	(3	1	3)	0.80	0.03		0.50	0.20	1.53
NSERC	University of Alberta (Darren, Grant)	2	(1	1	0)			0.10	0.00	0.40	0.50
	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
NSF	University of Canterbury (Jenni Adams)	2	(1	1	3)		0.12			0.50	0.62
JSPS	Chiba University (Shigeru Yoshida)	3	(1	2	3)		0.03		0.40	0.60	1.03
SNSF	Ecole Polytechnique Federale de Lausanne (Mathieu Ribordy)	2	(1	1	2)	0.10	0.03			0.25	0.38
	<b>Non-U.S. Institutions Subtotal</b>	<b>57</b>	<b>(34</b>	<b>23</b>	<b>64)</b>	<b>3.85</b>	<b>3.90</b>	<b>7.80</b>	<b>4.60</b>	<b>6.85</b>	<b>27.00</b>
	<b>Total U.S. &amp; Non-U.S.</b>	<b>125</b>	<b>(66</b>	<b>59</b>	<b>93)</b>	<b>8.28</b>	<b>10.91</b>	<b>11.52</b>	<b>8.08</b>	<b>15.43</b>	<b>54.21</b>

Changes since V 7.2 are in red