

# IceCube M&O MoU SOW Summary v15.0 2013.1008

## Authors Contribution

v 15.0, October 2013	Authors Head Count				IceCube Authors: M&O Responsibilities (FTE)					
Institution (Lead)	Ph.D. Authors	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
University of Alabama (Dawn Williams)	3	(2	1	3)		0.40		0.35	0.90	1.65
University of Alaska (Katherine Rawlins)	1	(1	0	0)		0.02			0.30	0.32
Clark Atlanta (George Japaridze)	1	(1	0	0)		0.02				0.02
Georgia Tech (Ignacio Taboada)	1	(1	0	2)		0.23	0.20	0.25		0.68
LBNL (Spencer Klein)	6	(4	2	2)	0.15	0.34	0.20	0.55	1.10	2.34
Ohio State University (James Beatty)	4	(1	3	0)		0.35	0.10	0.00	0.05	0.50
Pennsylvania State University (Doug Cowen)	5	(2	3	2)	0.65	0.06	0.42	0.15	1.17	2.45
Southern University (Ali Fazely)	3	(2	1	0)		0.02	0.30		0.60	0.92
Stony Brook University (Joanna Kiryluk)	2	(1	1	1)	0.05	0.10		0.45	0.35	0.95
University of California, Berkeley (Buford Price)	3	(1	2	0)	0.30	0.67		0.25	0.50	1.72
University of California, Irvine (Steve Barwick)	1	(1	0	1)		0.02				0.02
University of Delaware (Tom Gaisser)	8	(4	4	2)	0.30	1.35	0.35	0.35	0.85	3.20
University of Kansas (Dave Besson)	1	(1	0	0)	0.10	0.02				0.12
University of Maryland (Greg Sullivan)	8	(4	4	4)	0.90	0.39	1.15	1.00	0.90	4.34
University of Wisconsin, River Falls (Jim Madsen)	3	(3	0	0)	0.45	0.03		0.20	0.20	0.88
University of Wisconsin, Madison (Albrecht Karle)	19	(5	14	13)	1.55	2.79	1.80	0.25	3.30	9.69
<b>U.S. Institutions Subtotal</b>	<b>69</b>	<b>(34</b>	<b>35</b>	<b>30)</b>	<b>4.45</b>	<b>6.80</b>	<b>4.52</b>	<b>3.80</b>	<b>10.22</b>	<b>29.79</b>
DESY-Zeuthen (Markus Ackermann)	8	(4	4	8)	0.95	0.37	2.25	0.45	0.20	4.22
RWTH Aachen (Christopher Wiebusch)	1	(1	0	12)	0.50	0.27	0.70	0.20	0.50	2.17
Universität Dortmund (Wolfgang Rhode)	2	(1	1	4)		0.03	0.45	0.60	0.50	1.58
Universität Mainz (Lutz Köpke)	2	(2	0	6)	0.25	1.25	0.10		0.30	1.90
Universität Wuppertal (Klaus Helbing)	2	(1	1	7)	0.10	0.50	0.20	0.45	0.60	1.85
Humboldt Universität Berlin (Alexander Kappes)	2	(2	0	2)	0.45				0.40	0.85
Universität Bochum (Julia Tjus)	2	(1	1	2)	0.10	0.03			0.20	0.33
Technische Universität München (Elisa Resconi)	3	(1	2	2)		0.05			0.60	0.65
Universität Bonn (Marek Kowalski)	2	(1	1	4)		0.55		0.50	0.55	1.60
Universite Libre de Bruxelles (Kael Hanson)	3	(1	2	4)	0.65	1.06	0.20			1.91
Universite de Mons (Evelyne Daubie)	1	(0	1	0)		0.10	0.55			0.65
University of Gent (Dirk Ryckbosch)	3	(1	2	6)	0.10	0.03			0.40	0.53
Vrije Universiteit Brussel (Catherine de Clercq)	4	(2	2	3)	0.20	0.12		0.50	3.00	3.82
Stockholm University (Klas Hultqvist)	5	(5	0	4)	0.35	0.16	0.10	0.85	0.35	1.81
Uppsala University (Olga Botner)	5	(3	2	2)	0.50	0.03	0.30	0.75	0.20	1.78
University of Alberta (Darren, Grant)	1	(1	0	1)	0.20		0.30	0.35	0.10	0.95
University of Oxford (Subir Sarkar)	1	(1	0	0)		0.02			0.10	0.12
University of Canterbury (Jenni Adams)	1	(1	0	3)	0.05	0.05		0.20	0.30	0.60
University of Adelaide (Gary Hill)	2	(1	1	1)					1.90	1.90
Chiba University (Shigeru Yoshida)	3	(1	2	1)		0.03		0.40	0.60	1.03
Université de Genève (Teresa Montaruli)	3	(1	2	2)	0.10	0.20		0.95	1.05	2.30
Sungkyunkwan University (Carsten Rott)	2	(1	1	1)	0.05	0.18	0.00	0.45	0.20	0.88
<b>Non-U.S. Institutions Subtotal</b>	<b>58</b>	<b>(33</b>	<b>25</b>	<b>75)</b>	<b>4.55</b>	<b>5.03</b>	<b>5.15</b>	<b>6.65</b>	<b>12.05</b>	<b>33.43</b>
<b>Total U.S. &amp; Non-U.S.</b>	<b>127</b>	<b>(67</b>	<b>60</b>	<b>105)</b>	<b>9.00</b>	<b>11.83</b>	<b>9.67</b>	<b>10.45</b>	<b>22.27</b>	<b>63.21</b>

Changes since last official version are colored red