IceCube M&O MoU SOW Summary v16 2014.0301
Authors Contribution

v 16.0, March 2014	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 & Maintenanc	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	2)		0.40		0.35	0.75	1.50
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	0.50		0.93
LBNL (Spencer Klein)	6	(4	2	2)	0.15	0.34	0.20	0.50	0.95	2.14
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)	7	(4	3	2)	0.30	1.05	0.35	0.35	0.85	2.90
University of Kansas (Dave Besson)	1	(1	0	0)	0.10	0.02				0.12
University of Maryland (Greg Sullivan)	7	(3	4	4)	1.50	0.79	1.03	0.65	0.90	4.87
University of Wisconsin, River Falls (Jim Madsen)	3	(3	0	0)	0.45	0.00		0.20	0.20	0.85
University of Wisconsin, Madison (Albrecht Karle)	19	(5	14	15)	1.65	3.04	1.15	0.10	3.20	9.14
U.S. Institutions Subtotal	67	(33	34	31)	5.15	7.12	3.75	3.50	9.82	29.34
DESY-Zeuthen (Markus Ackermann)	7	(4	3	8)	0.50	0.37	2.45	0.60	0.10	4.02
RWTH Aachen (Christopher Wiebusch)	2	(1	1	11)	0.70	0.27	0.75	0.20	0.55	2.47
Universität Dortmund (Wolfgang Rhode)	2	(1	1	4)		0.03	0.45	0.60	0.50	1.58
Universität Mainz (Lutz Köpke)	1	(1	0	6)	0.25	1.15	0.10		0.20	1.70
Universität Wuppertal (Klaus Helbing)	2	(1	1	7)	0.10	0.50	0.20	0.45	0.60	1.85
Humboldt Universität Berlin (H.Kolanoski_interim)	1	(1	0	2)					0.25	0.25
Universität Bochum (Julia Tjus)	2	(1	1	2)	0.10	0.03			0.30	0.43
Technische Universität München (Elisa Resconi)	3	(1	2	2)		0.05			0.60	0.65
Universität Bonn (Marek Kowalski)	2	(1	1	4)	0.20	0.25		0.40	0.55	1.40
Universite Libre de Bruxelles (Kael Hanson)	2	(1	1	3)	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	5)	0.10	0.03			0.40	0.53
Vrije Universiteit Brussel (Catherine de Clercq)	5	(2	3	3)	0.20	0.12		0.50	3.25	4.07
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	3)	0.80	0.16	0.35	0.50	0.20	2.01
University of Alberta (Darren, Grant)	1	(1	0	1)	0.20	0.20	0.45	0.35	0.45	1.65
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)	6	(2	4	1)		0.03	0.20	0.40	1.05	1.68
Université de Genève (Teresa Montaruli)	3	(1	2	2)	0.10	0.20		1.05	1.05	2.40
Universität Erlangen-Nürnberg (A. Kappes)	1	(1	0	3)	0.45				0.50	0.95
Niels Bohr Institute (Jason Koskinen)	1	(1	0	3)		0.06	0.10	0.25	0.90	1.31
University of Toronto (Kenneth Clark)	1	(1	0	0)			0.35		0.10	0.45
Sungkyunkwan University (Carsten Rott)	2	(1	1	1)	0.05	0.18	0.00	0.45	0.20	0.88
Non-U.S. Institutions Subtotal	62	(35	27	79)	4.80	5.02	6.25	6.80	14.40	37.27
Total U.S. & Non-U.S.	129	(68	61	110)	9.95	12.14	10.00	10.30	24.22	66.60

Changes since last official version are colored red