**IceCube Institutional Memorandum Of Understanding (MOU)**

**Scope of Work**

**Humboldt-Universität zu Berlin**

**Marek Kowalski**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **1** (1 0 1)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labor Cat.** | **Names** | **WBS L3** | **Tasks** | WBS 2.1 | WBS 2.2 | WBS 2.3 | WBS 2.4 | WBS 2.5 | WBS 2.6 | **Grand Total** |
| Program Coordination | Detector Maintenance & Operations | Computing & Data Management | Data Processing & Simulation | Software | Calibration |
| KE | KOWALSKI, MAREK | Simulation Programs | Simulation tools |  |  |  |  | 0.00 |  | 0.0 |
|  | **KOWALSKI, MAREK Total** | |  |  |  |  |  | **0.00** |  | **0.00** |
|  | HEBECKER, DUSTIN | Detector Calibration | Optical detector calibration |  |  |  |  |  | 0.20 | 0.20 |
|  | **HEBECKER, DUSTIN Total** | |  |  |  |  |  |  | **0.20** | **0.20** |
| **HU Total** | |  |  |  |  |  |  |  | **0.20** | **0.20** |

**Faculty:**

Marek Kowalski – supervision of students (also from DESY), for more contributions and head count see DESY MoU

**Ph.D. Students:**

Dustin Hebecker – Device for lab calibration of sensors, development of in-ice calibration methods via