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

**Scope of Work**

**Marquette University**

**Karen Andeen**

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labor Cat.** | **Names** | **WBS Level 3** | **Tasks** | **WBS 2.1** | **WBS 2.2** | **WBS 2.3** | **WBS 2.4** | **WBS 2.5** | **Grand Total** |
| Program Management | Detector Maintenance & Operations | Computing & Data Management | Triggering & Filtering | Data Quality, Reconstruction & Simulation Tools |
| KE | Andeen, Karen  | WBS | TASK | 0.10 |   |   |   |   | 0.10 |
|  | WBS | TASK |  |  0.05 |   |   |   | 0.05 |
|  | WBS | TASK |  |   |   |   |  0.10 | 0.10 |
|   | **Andeen, Karen Total** |  | **0.10** | **0.05** |  |  | **0.10** | **0.25** |
| PO | Name of Postdoc 1 | WBS | TASK |   | 0.10 |   |   |   | 0.10 |
|   |   | WBS | TASK |   |   |   |   | 0.15 | 0.15 |
|   | **Name of Postdoc11 Total** |  |  | **0.10** |  |  | **0.15** | **0.25** |
| PO | Name of Postdoc 2 | WBS | TASK |   | 0.10 |   |  |  | 0.10 |
|   |   | WBS | TASK |   |   |   |  0.10 |  | 0.10 |
|   | **Name of Postdoc12 Total** |  |  | **0.10** |  | **0.10** |  | **0.20** |
| GR | Name of Grad Student 1 | WBS | TASK |   | 0.05 |   |   |   | 0.05 |
|  | WBS | TASK |   |  |  0.15 |   |   | 0.15 |
|   | **Name of Grad Student 1 Total** |  |  | **0.05** | **0.15** |  |  | **0.20** |
| **Institution Name Total** |  | **0.10** | **0.30** | **0.15** | **0.10** | **0.25** | **0.90** |

**Faculty:**

Karen Andeen – CR data analysis, simulations for CR group, R&D for future CR surface detectors.

**Scientists and Post Docs:**

Will have a post-doc

**Grad Students:**

No graduate students at Marquette