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

**Scope of Work**

**University of Adelaide**

**Gary Hilld Adelaidey wonder,a distant object would be a major breakthrough in our understanding of the most mysterious and e**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **2** (1 1 1)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | Gary Hill | Reconstruction/ Analysis tools | Event energy and direction reconstruction, millipede |  |   |   |   | 0.40 | 0.40 |
|   | **Gary Hill Total** |  |  |  |  |  | **0.40** | **0.40** |
| PO | Ben Whelan | Reconstruction/ Analysis tools | Event energy and direction reconstruction, millipede |  |  |  |  | 1.00 | 1.00 |
|   | **Ben Whelan Total** |  |  |  |  |  | **1.00** | **1.00** |
| GR | Mark Aartsen | Reconstruction/ Analysis tools | Event energy and direction reconstruction, millipede |   |  |   |   | 0.50 | 0.50 |
|   | **Mark Aartsen Total** |  |  |  |  |  | **0.50** | **0.50** |
| **University of Adelaide Total** |  |  |  |  |  | **1.90** | **1.90** |

**Faculty:**

Gary Hill – Event reconstruction, energy and angular reconstruction with millipede, analysis and statistical methods for rare signals, likelihood analysis for systematic effects. Diffuse sources, GRBs, point sources.

**Scientists and Post Docs:**

Ben Whelan - Event reconstruction, energy and angular reconstruction with millipede.

TBD – M&O responsibilities and analysis topics

**Grad Students:**

Mark Aartsen – Event reconstruction, energy and angular reconstruction with millipede. Diffuse sources, GRBs, point sources.