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

**Scope of Work**

**University of Canterbury**

**Jenni Adams**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labor Cat.** | **Names** | **WBS Level 3** | **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 | Jenni Adams | Administration | ICB Member | 0.05 |  |  |  |  |  | 0.05 |
|  | Administration | Pubcom member | 0.10 |  |  |  |  |  | 0.10 |
|  | Detector Monitoring | Detector Monitoring |  | 0.05 |  |  |  |  | 0.05 |
| **Jenni Adams Total** | |  | **0.15** | **0.05** |  |  |  |  | **0.20** |
| PO | Mark Aartsen | Reconstruction | Code maintenance (CLast) |  |  |  |  | 0.05 |  | 0.05 |
| Detector Monitoring | Detector Monitoring |  | 0.02 |  |  |  |  | 0.02 |
|  | Reconstruction | Cascade Spline Table tests (ongoing) |  |  |  |  | 0.10 |  | 0.10 |
|  | Online Filter (Pnf) | Cascade Filter |  | 0.05 |  |  |  |  | 0.05 |
|  | Administration | Analysis Reviewer (PS on Diff, 1+3 sterile) | 0.05 |  |  |  |  |  | 0.05 |
| **Mark Aartsen Total** | |  | **0.05** | **0.07** |  |  | **0.15** |  | **0.27** |
| GR | Amir Raissi | Detector Calibration | Flasher Data Testing (learning) |  |  |  |  |  | 0.15 | 0.15 |
|  |  | Detector Monitoring | Detector Monitoring |  | 0.03 |  |  |  |  | 0.03 |
|  | **Amir Raissi Total** | |  |  | **0.03** |  |  |  | **0.15** | **0.18** |
| **UC Total** | | |  | **0.20** | **0.15** |  |  | **0.15** | **0.15** | **0.65** |  |  |

**Faculty:**

Jenni Adams

**Scientists and Post Docs:**

Mark Aartsen Additional Gen2 work: IceAct telescope stand for snow test, design and construction.

**Ph.D. Students:**

Hadis Bagherpour Thesis/Analysis topics: Cascade analysis

Amir Raissi Thesis/Analysis topics: Ice properties – improving cascade analysis