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

**Scope of Work**

**Uppsala University**

**Olga Botner**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **4** (3 1 2)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labor Cat.** | **Names** | **WBS L3** | **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 | BOTNER, OLGA  | Administration | Outreach | 0.05 |   |   |   |   | 0.05 |
|   | Pubcom Chair | 0.40 |  |  |  |  | 0.40 |
|   | **BOTNER, OLGA Total** |  | **0.45** |  |  |  |  | **0.45** |
|   | de los HEROS, CARLOS | Physics Filters | WIMP WG Lead |   |   |   | 0.25 |  | 0.25 |
|   | TFT Coordination | TFT Board member |   |   |   | 0.10 |  | 0.10 |
|   | **de los HEROS, CARLOS Total** |  |  |  |  | **0.35** |  | **0.35** |
|   | HALLGREN, ALLAN  | Administration | Outreach | 0.05 |   |   |  |  | 0.05 |
|   |  | Speakers Comm member | 0.10 |  |  |  |  | 0.10 |
|   | TFT Coordination | TFT Board member |  |  |  | 0.10 |  | 0.10 |
|  | Physics Filters | Online filter development |  |  |  | 0.20 |  | 0.20 |
|   | **HALLGREN, ALLAN Total** |  | **0.15** |  |  | **0.30** |  | **0.45** |
| SC | BOERSMA, DAVID | Reconstruction/ Analysis Tools | Reconstruction Coordinator |  |  |  |  | 0.20 | 0.20 |
|  |  | Core Software  | Maintain Reconstruction Framework |  |  | 0.10 |  |  | 0.10 |
|  |  | Physics Filters  | Develop Moon shadow and Galactic center filters |  |  |  | 0.15 |  | 0.15 |
|   | **BOERSMA, DAVID Total** |  |  |  | **0.10** | **0.15** | **0.20** | **0.45** |
| GR | STROM, RICKARD | Physics Filters | Online filter development & testing |   |   |   | 0.20 |  | 0.20 |
|  | HENRIC TAAVOLA | Computing Resources | Computing resources  |   |   | 0.20 |  |  | 0.20 |
|  | UU GR | Detector Monitoring | Monitoring Shifts |   | 0.03 |  |  |  | 0.03 |
|   | **GR Total** |  |  | **0.03** | **0.20** | **0.20** |  | **0.43** |
| **UU Total** |  |  | **0.60** | **0.03** | **0.30** | **1.00** | **0.20** | **2.13** |

**Faculty:**

Olga Botner – Institution lead, PubCom Chair, ICB, ExecCom, Outreach, Mentoring students

At the May 2013 collaboration meeting, Olga will step down as chair of pubcom and take over as the IceCube spokesperson

Allan Hallgren – SpeakersCom, TFT Board Member, Outreach, Mentoring students

Carlos de los Heros – WIMP-wg lead, TFT board member

**Scientists:**

David Boersma – Reconstruction Coordinator, develop Moon shadow and Galactic center filters

Starting in September 2013, Sebastian Euler (now at Aachen) will become a postdoc in Uppsala

**Grad Students:**

Henric Taavola – GRID computing 20%

Strom Rickard – online filter development and testing 20%

**General:**

The Uppsala group uses Swedish GRID resources for IceCube activities; this usage could be extended.