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

**Scope of Work**

**University of Gent**

**Dirk Ryckbosch**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **3** (1 2 5)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| SC | UGENT SC | Engineering and R&D Support | Acoustic R&D Support | 0.05 |  |  |  |  | 0.05 |
|  | **UGENT SC Total** | |  | **0.05** |  |  |  |  | **0.05** |
| GR | UGENT GR | Detector Monitoring | Detector Monitoring |  | 0.03 |  |  |  | 0.03 |
|  |  | Engineering and R&D Support | Acoustic R&D Support | 0.05 |  |  |  |  | 0.05 |
|  |  | Simulation Programs | Support IceTop Simulations, IceTop Calibrations, IceTop Reconstruction |  |  |  |  | 0.40 | 0.40 |
|  | **UGENT GR Total** | |  | **0.05** | **0.03** |  |  | **0.40** | **0.48** |
| **UGENT Total** | |  |  | **0.10** | **0.03** |  |  | **0.40** | **0.53** |

**Faculty:**

Dirk Ryckbosch Institutional lead

**Scientists and Post Docs:**

Mathieu Labare Tau-neutrino simulations

Athina Meli IceTop analysis

**Students:**

Karim Hajismail IceTop simulations, IceTop InIce reconstructions

Tom Feusels IceTop simulations, IceTop-InIce reconstructions

Ola Jlelati Detector monitoring

Matthias Vraeghe DOM Calibration

Sam De Ridder IceTop simulations, IceTop-InIce reconstructions