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

**Scope of Work**

**Technische Universität München**

**Elisa Resconi**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **3** (1 2 7)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labor Cat.** | **Names** | **WBS L3** | **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 |
| PD | Krings, Kai | Core Software | Software strike team |  |  |  |  | 0,25 |  | 0,25 |
|  | Reconstruction | Maintenance Gulliver tool |  |  |  |  | 0,25 |  | 0,25 |
| PD | Wolf, Martin | Core Software | Maintenance SkyLab |  |  |  | 0,5 |  |  | 0,5 |
| GR | Turcati, Andrea | Offline Data Production | Muon L3 Scripts |  |  |  | 0,50 |  |  | 0,5 |
| GR | Huber, Matthias | Offline Data Production | Muon L3 Scripts |  |  |  | 0,3 |  |  | 0,3 |
| GR | Karl, Martina  | Offline Data Production | TBD |  |  |  | 0,3 |  |  | 0,3 |
| GR | Glauch, Theo | Offline Data Production | TBD |  |  |  | 0,3 |  |  | 0,3 |
| GR | Meighen-Berger, Stephan | Simulation | TBD |  |  |  | 0,2 | 0,1 |  | 0,3 |
| GR | Henningsen, Felix  | Simulation / Calibration/ IceCube Upgrade | TBD |  |  |  | 0,2 | 0,1 |  | 0,3 |
| GR | Rea , Immacolata | Simulation /Calibration/IceCube Upgrade | TBD |  |  |  | 0,2 | 0,1 |  | 0,3 |
|  | TUM GR | Detector Monitoring | Detector Monitoring |  | 0,05 |  |  |  |  | 0,05 |
|   | **TUM GR Total** |  |  | 0,05 |  | **2** | 0,3 |  |  |
| **TUM Total** |  |  |  | **0,05** |  | 2 | 0,3 |  | 2,3 |

**Faculty:**

Elisa Resconi

**Scientists and Post Docs:**

Kai Kring from 09.2018 till 06.2019 -Strike Team, maintaining the following projects: `gulliver`, `gulliver-modules`, and `lilliput`, Semi-diffuse analysis, MESE, Galactic plane

Martin Wolf from 07.2018 - Maintaining SkyLab, Point Source

**Ph.D. Students:**

Andrea Turcati from 01.2015 - Point Source

Matthias Huber from 01.2016 - Point Source

Martina Karl from 06.2018 - Point Source

Theo Glauch from 01.2018 - Point Source - Reconstruction, Machine Learning

Stephan Meighen-Berger from 02.2018 - Low Energy neutrino - Background simulation

Immacolata Rea from 01.2018 - IceCube Upgrade - Calibration, special devices

Felix Henningsen from 10.2018 - IceCube Upgrade - Calibration, special devices

**Diploma/Master Students:**

Maximilian Kronmueller - Reconstruction, Machine Learning

Andi Gaertner - IceCube Upgrade - Calibration, special devices

Kilian Holzapfel - IceCube Upgrade - Calibration, special devices

**Bachelor Students:**

**Student help:**