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

**Scope of Work**

**Universität Bochum**

**Julia Tjus**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads Master): **1** (1 0 0 1)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| KE | TJUS, JULIA | Simulation Software | Development PROPOSAL simulation software |  |  |  |  | 0.10 |  | 0.10 |
|  |  | Administration | Publication committee member | 0.10 |  |  |  |  |  | 0.10 |
|  | **TJUS, JULIA Total** | |  | **0.10** |  |  |  | **0.10** |  | **0.20** |
| **BOCHUM Total** | |  |  | **0.10** |  |  |  | **0.10** |  | **0.20** |

**Master Students M&O Contribution:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| UG | Wulff, Johan | | Online Filter (Pnf) | Moon/Sun Filter |  | 0.05 |  |  |  |  | 0.05 |
|  | **Wulff, Johan Total** | | |  |  | **0.05** |  |  |  |  | **0.05** |
| **BOCHUM Total** | |  | |  |  | **0.05** |  |  |  |  | **0.05** |

**Faculty:**

Julia Tjus

**Postdocs**

None at this time

**Ph.D. Students**

None at this time

**Diploma/Master Students**

Johan Wulff: Moon/Sun filter

Thesis/Analysis topics: Energy-dependence of the Moon and Sun Shadows