**IceCube Institutional Memorandum Of Understanding (M&O)**

**Scope of Work**

**Stockholm University**

**Klas Hultqvist**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **5** (4 1 2)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | HULTQVIST, KLAS | Administration  Online Filter (Pnf) | ICB Member  WG Lead - Diffuse flux | 0.05 | 0.25 |  |  |  |  | 0.05  0.25 |
|  | **HULTQVIST, KLAS Total** | |  | **0.05** | **0.25** |  |  |  |  | **0.30** |
|  | WALCK, CHRISTIAN | Administration | Publications bookkeeping and author lists | 0.10 |  |  |  |  |  | 0.10 |
|  | **WALCK, CHRISTIAN Total** | |  | **0.10** |  |  |  |  |  | **0.10** |
|  | FINLEY,  CHAD | Administration  Administration | ICB Member  Coordination with LIGO and ANTARES | 0.05  0.10 |  |  |  |  |  | 0.05  0.10 |
|  |  | Online Filter (Pnf) | WG Lead – Point Source |  | 0.25 |  |  |  |  | 0.25 |
|  |  | Real-Time Alerts | Realtime Oversight Committee |  | 0.05 |  |  |  |  | 0.05 |
|  | **FINLEY, CHAD Total** | |  | **0.15** | **0.30** |  |  |  |  | **0.45** |
| PO | DUMM,  JONATHAN | Online Filter (Pnf) | WG Lead - Muon channel |  | 0.25 |  |  |  |  | 0.25 |
|  |  | Administration | Pubcom member | 0.20 |  |  |  |  |  | 0.20 |
|  |  | Real-Time Alerts | VERITAS liason |  | 0.05 |  |  |  |  | 0.05 |
|  | **DUMM, JONATHAN Total** | |  | **0.20** | **0.30** |  |  |  |  | **0.50** |
| GR | FLIS,  SAMUEL | Simulation Software | DOM simulation |  |  |  |  | 0.15 |  | 0.15 |
|  | **FLIS, SAMUEL Total** | |  |  |  |  |  | **0.15** |  | **0.15** |
|  | SU GR | Detector Monitoring | Detector Monitoring |  | 0.06 |  |  |  |  | 0.06 |
|  | **SU GR Total** | |  |  | **0.06** |  |  |  |  | **0.06** |
| **SU Total** | |  |  | **0.50** | **0.91** |  |  | **0.15** |  | **1.56** |

**Faculty:**

Klas Hultqvist – (0.60 FTE for IceCube) - Institution lead, ICB member (0.05), WG Diffuse & atm. (0.25)

Christian Walck - (0.30 FTE for IceCube) – Publications Bookkeeping (0.10)

Christian Bohm - (0.10 FTE for IceCube)

Chad Finley – (0.45 FTE for IceCube) – ICB Member (0.05), WG point source (0.25), coordination with LIGO and ANTARES (0.10), ROC (0.05)

**Postdocs:**

Jonathan Dumm - (0.50 FTE for IceCube) – WG muon channel (0.25), Pubcom member (0.20), liaison on online real time alert with VERITAS (0.05)

**Ph.D. Students:**

Maryon Ahrens – Thesis/Analysis topics: Point sources

Samuel Flis – (0.50 FTE for IceCube) – DOM simulation (0.10), Gen2 cascades (0.10)

Thesis/Analysis topics: Dark Matter, HEX

**Diploma/Master Students:**

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