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

**Scope of Work**

**Georgia Tech**

**Ignacio Taboada**

**Ph.D Scientists** (Faculty Scientist/Post Doc Grads): **1** (1 0 3)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labor Cat.** | **Names** | **WBS L3** | **Tasks** | **Funds Source** | 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 | TABOADA, IGNACIO | 2.2.3 Online Filter (Pnf) | Neutrino Sources co-lead | Base Grants |  | 0.25 |  |  |  |  | 0.25 |
|  |  | 2.1.1 Administration | Member of the IceCube Impact Award committee | Base Grants | 0.05 |  |  |  |  |  | 0.05 |
|  |  | 2.2.8 Real-Time Alerts | Member of the Real-time Oversight Committee (ROC) | Base Grants |  | 0.05 |  |  |  |  | 0.05 |
|  | **TABOADA, IGNACIO Total** | |  |  | **0.05** | **0.30** |  |  |  |  | **0.35** |
| GR | TUNG, CHRIS | 2.2.8 Real-Time Alerts | Redesign of HESE track alerts (under auspices of the ROC) | Base Grants |  | 0.20 |  |  |  |  | **0.10** |
|  |  | 2.2.8 Real-Time Alerts | Real-time shifter (under auspices of the ROC) | Base Grants |  | 0.10 |  |  |  |  | **0.10** |
|  | **GTECH GR Total** | |  |  |  | **0.30** |  |  |  |  | **0.20** |
|  | PRANAV, DAVE | 2.2.8 Real-Time Alerts | Real-time shifter (under auspices of the ROC) |  |  | 0.10 |  |  |  |  | **0.10** |
|  |  | |  |  |  | **0.10** |  |  |  |  | **0.10** |
| **GTECH Total** | |  |  |  | **0.05** | **0.70** |  |  |  |  | **0.75** |

**Faculty:**

Ignacio Taboada – Neutrino Sources co-lead, Member of the IceCube Impact Award committee, Member of the Real-time Oversight Committee (ROC)

**Post Docs:**

**Ph.D. Students:**

Pranav Dave – Real-time shifter (under auspices of the ROC)

Thesis /Analysis topics: TBD

Chujie Chen – M&O tasks TBD

Thesis /Analysis topics: TBD

Chris Tung – Redesign of HESE track alerts (under auspices of the ROC); Real-time shifter (under auspices of the ROC)

Thesis /Analysis topics: Search for periodic galactic neutrino sources