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

**Scope of Work**

DPNC Geneva

Teresa Montaruli

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| KE | MONTARULI, TERESA | TFT Coordination | TFT Board Member |  |  |  | 0.10 |  | 0.10 |
|  |  | Administration | ICB member | 0.10 |  |  |  |  | 0.10 |
|  |  | Physics Filters | Online filtering |  |  |  | 0.10 |  | 0.10 |
|  | **MONTARULI, TERESA Total** | **0.10** |  |  | **0.20** |  | **0.30** |
| PO | AGUILAR, JUANAN | Physics Filters | Online filtering |  |  | 0.10 |  |  | 0.10 |
|  |  | Data Quality | Data and Simulation Quality |  |  |  |  | 0.20 | 0.20 |
| **AGUILAR, JUANAN Total** |  |  | **0.10** |  | **0.20** | **0.30** |
| VALLECORSA, SOFIA  | Physics Filters | DeepCore filtering |  |  |  | **0.20** |  | **0.20** |
| Data Quality | Data and Simulation Quality for low energy searches |  |  |  |  | **0.30** | **0.30** |
| **VALLECORSA, SOFIA Total** |  |  |  | **0.20** | **0.30** | **0.50** |
|  | ASENCHRISTOV | Detector monitoring | Detector monitoring |  | 0.20 |  |  |  | 0.20 |
| GR |
|  | Physics Filters | Online Filter |  |  |  | 0.10 |  | 0.10 |
|  | Data Quality | Data and Simulation Quality |  |  |  |  | 0.20 | 0.20 |
|  |  **ASEN CHRISTOV Total** |  | **0.20** |  | **0.10** | **0.20** | **0.50** |
|  | RAAMEZ MOHAMED | Detector monitoring | Detector monitoring |  | 0.10 |  |  |  | 0.10 |
|  | Physics Filters | Muon/EHE Filter |  |  |  | 0.20 |  | 0.20 |
|  | Data Quality | Data and Simulation Quality |  |  |  |  | 0.20 | 0.20 |
|  |  **RAAMEZ MOHAMED Total** |  | **0.10** |  | **0.20** | **0.20** | **0.50** |
| **DPNC Total DPNC Total** |  | **0.10** | **0.30** | **0.10** | **0.70** | **0.90** | **2.10** |

**Faculty:**

Teresa Montaruli – Trigger-Filter-Transmission board; collaboration board, point source analysis, simulation

**Scientists and Post Docs:**

Juanan Aguilar - Data Quality monitoring online, L3 processing, Final data selection for point sources, databases for GRBs and point sources

Sofia Vallecorsa - Data and simulation quality for low energy searches

**Students:**

Asen Christov - Data Quality monitoring online, L2 online processing, Final data selection for point sources, AGN flare analysis, temperature monitoring at South Pole.

Mohamed Raamaez - Data Quality monitoring, Muon filter, point source analysis extension to EHE and CR composition with muons.