

DRAFT

Exhibit 3: Statement of Work – IceCube Neutrino Observatory Upgrade

**Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen
1 October 2018 through 30 September 2023**


Scientific and Technical Contributions

This Memorandum of Understanding (MoU) describes the equipment that will be designed and built as part of the IceCube Upgrade. This MoU is in place between the University of Wisconsin – Madison and RWTH Aachen.

RWTH Aachen will make every effort to carry out their responsibilities consistent with the project schedule and contribute the following items for the IceCube Upgrade project:

| WBS L3 | Quantity | Item |
|--------|-----------|--|
| 1.5.2 | 12 | Acoustic subsystem modules |
| 1.5.2 | 41 | Mini Mainboard layout and first batch production |
| 1.3.1 | App. 5000 | Acceptance testing of PMTs |
| 1.5.2 | 15 | Acoustic sensors for pDOM |

The Board of Regents of the
University of Wisconsin System


10 MAR. 2020
Dr. Kaet Hanson Date
Principal Investigator
IceCube Upgrade

RWTH Aachen
Prof. Dr. Christopher Wiebusch
III. Physikalisches Institut
Lehrstuhl B
Physikzentrum RWTH Aachen
10.1.2020
Dr. Christopher Wiebusch Date
The Institutional Lead of the IceCube Upgrade
RWTH Aachen

**RWTH AACHEN
UNIVERSITY**

Der Kanzler
Im Auftrag

24. Jan. 2020

Der Rektor
der Rheinisch-Westfälischen
Technischen Hochschule Aachen
Dipl.-Verw. Wirt (FH) Ralf Drafz Date
Co-Abteilungsleiter Drittmittelmanagement
RWTH Aachen