

Starting immediately, the Experimental Particle and Astroparticle Working Group at the Johannes Gutenberg University offers

a Phd position

to work on supernova detection with the IceCube neutrino telescope at the South Pole.

Neutrinos from a galactic core collapse supernova will be registered by IceCube with unrivaled precision. A measurement will provide essential insights into the astrophysical mechanisms that lead to the core collapse and into the properties of neutrinos, such as their mass ordering.

We are looking for a candidate with good programming skills to further develop the data acquisition system, e.g. to provide triggers to other experiment such as gravitational wave detectors. The analysis part of the thesis would preferentially be related to the physics of supernovae; however, it could also include other topical research themes under investigation by IceCube.

If you are interested please contact:

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