



## Karlsruhe School of Elementary Particle and Astroparticle Physics: Science and Technology (KSETA)

KSETA is the graduate school associated with the KIT Center Elementary Particle and Astroparticle Physics KCETA, which bundles experimental and theoretical research and education at the interface between astronomy, astrophysics, elementary particle physics and cosmology.

We hereby certify that the doctoral researcher

**Bennet Krasch**

has attended the following courses during his/her time in the graduate school KSETA.

**Introduction to astroparticle physics**

*Mar 8 – 9 2021 D. Kang, D. Veberic (IAP)*

**Observational Cosmology**

*Mar 12 2021 H. Hildebrandt (Uni Bochum)*

**Human made Climate Change: Facts, Mechanism, Causes.**

*Oct 07 2019 Thomas Leisner (IMK) et al.*

**Application of Python in Scientific Computing**

*Apr 05 2019 Dr. Manuel Giffels (KIT)*

**Machine learning, deep learning**

*Apr 04 2019 Prof. Dr. Gregor Kasieczka (DESY)*

**Neutrino Physics and neutrino Oscillations**

*Sep 21 – 22 2017 Christian Weinheimer*

Karlsruhe, February 3, 2023

Dr. Katrin Link  
Managing Director