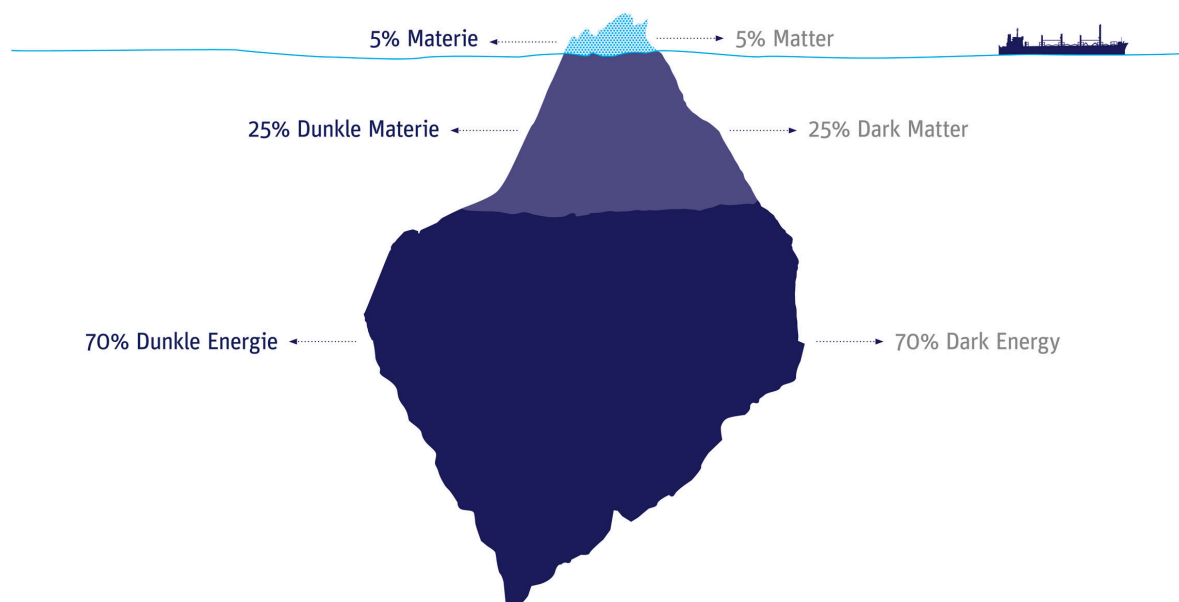


Block lecture on Dark Matter (Theory and Experiment)

by RTG 2044, April 19 – 21, 2017
Physics Highrise, Lecture Hall II



This lecture series will focus on the basics of dark matter and its possible detection and will be given jointly by a theorist (3 x 90 mins) and an experimentalist (3 x 90 mins) working on the subject. The lectures will cover the following topics:

- evidence for dark matter,
- dark matter candidates,
- dark matter production in the early Universe,
- the local dark matter distribution,
- the experimental search for WIMP dark matter: rates and signatures
- backgrounds and detector principles,
- WIMP searches at the LHC and indirect searches.

Wednesday, April 19, 2017
Thursday, April 20, 2017
Friday, April 21, 2017

from 10:15 - 12:00h and 14:15 - 16:00h Lecture Hall II
from 10:15 - 12:00h and 14:15 - 16:00h Lecture Hall II
from 10:15 - 12:00h and 14:15 - 16:00h Lecture Hall II

For further information please contact: grk-sekr@physik.uni-freiburg.de