



# NTNU

Innovation and Creativity

**Indirect detection of dark matter annihilations**  
**- A brief talk about my ongoing master's thesis**

Lars Einar Stieng  
Master student

Department of Physics

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# Overview

- A short introduction to dark matter
- My thesis
- Current work: synchrotron radiation from galactic electrons

# Dark matter

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- Virial mass
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- Cosmic Microwave Background



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- Kaluza-Klein particles

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- Possibility of an origin in dark matter annihilations
- Model extra-galactic flux



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- Get number density from diffusion equation or reasonable guesses based on observations

# Thank you!