

# PHYSICS SEMINAR

## Statistics of Thermal Light

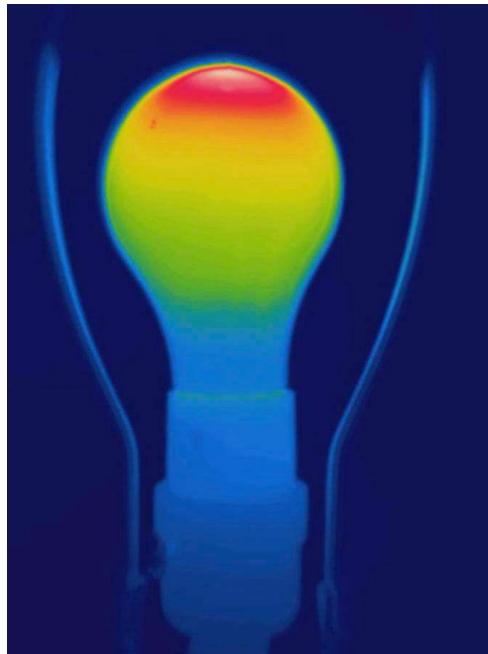
Charlie Norris

Thursday, March 26, 2026

12:30 – 1:30 p.m.

Wubben 160

The statistical properties of light play a prominent role in understanding and harnessing its physical behavior. By studying photon statistics, we can differentiate between different light sources, improve imaging techniques, and learn more about fundamental quantum interactions. Thermal light provides a framework for studying photon bunching and serves as a benchmark for evaluating high-efficiency photon-number-resolving detectors. In this seminar, I will discuss the foundations and practical applications of thermal light statistics. I will also present progress in my experiment since my previous seminar.



**Refreshments!**