



**FEZA GÜRSEY**  
CENTER FOR  
PHYSICS AND  
MATHEMATICS

**BOĞAZIÇI**  
**UNIVERSITY**  
PHYSICS  
DEPARTMENT

## **A Mini Course on Dark Matter** **July 8-24, 2025**

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IPM, Tehran

**Lecture 1:** July 8, Tuesday, 15:00-16:00  
A short review of the history of early universe  
within the standard model of cosmology

**Lecture 2:** July 10, Thursday, 15:00-16:00  
Why is dark matter needed?

**Lecture 3:** July 15, Tuesday, 15:00-16:00  
Properties of Dark Matter

**Lecture 4:** July 17, Thursday, 15:00-16:00  
Dark matter production mechanisms

**Lecture 5:** July 22, Tuesday, 15:00-16:00  
Direct and indirect dark matter search

**Lecture 6:** July 24, Thursday, 15:00-16:00  
Axions as a dark matter candidate

**Location:**

Feza Gürsey Seminar Room  
Boğaziçi University, North Campus, KB Building