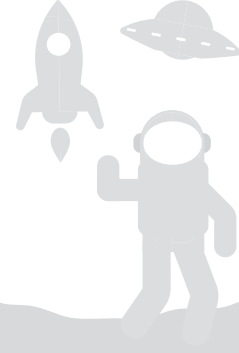




**BiLiM**  
K A F E



**SO WHAT  
IF WE HAVE  
RADIATION IN SPACE?**

**Assoc. Prof. Bilge DEMİRKÖZ**

**APRIL 4, 2017  
7:30 PM**

**ADDRESS:** Muratpaşa Belediyesi Adalya Vakfı Engelsiz Kafe & Yaşam ve Spor Alanı  
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**ORTA DOĞU TEKNİK ÜNİVERSİTESİ**  
ANKARA ♦ KUZAY KIBRIS ♦ ERDEMLİ

# RADIATION IN SPACE?

## WHAT IS AMS TEST?

AMS (Alpha Magnetic Spectrometer) is a detector that measures the subatomic particles that travel close to the velocity of light and come towards Earth at the International Space Station in space.

## HOW IS METU INVOLVED IN AMS TEST?

As METU, we have been a member of AMS test team of 250 people for 6 years. While we are looking for dark matter and antimatter in space, and we also measure amounts and change of radiation there.

## IS RADIATION HARMFUL FOR DEVICES?

This radiation in space is at a level that can harm satellites and especially sensitive devices inside. The materials in satellites and precise electronics should be given equivalent radiation before they are sent to the space to make sure that they are not losing their function, or their efficiency is not reduced.

## A SINGLE EVENT LABORATORY IN METU!

We are setting up a laboratory where the Single Event Tests, one of these radiation tests, will be performed in METU. We look forward to all cosmology, space and radiation enthusiasts from 7 to 70 in Science Café.



RADIATION IN SPACE?

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