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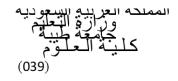
KINGDOM OF SAUDI ARABIA

Ministry of Education
TAIBAH UNIVERSITY
college of Science
(039)









Seminar

Title:

The universe through atoms

يوم الأحد الموافق 20/12/2021 بداية من الساعة 10 صباحاً

المحاضر: أ.د. سلطانة نهار



Abstract: Our universe is made of galaxies of stars and there are trillions of galaxies. Yet they are so far away from each other that space is largely empty. Even our nearest star beyond the Sun is so far away that We will not be able to travel the distance within our lifetime using the current technology. So how do we learn about the stars or any other astronomical object? It is through the study of the light or electromagnetic radiation that is emitted by the atoms and molecules in them. We capture the photons of the radiation by telescopes and find out the wealth of information carried in them. I will discuss the science of atomic processes that emit or absorb photons and the spectroscopy that gives us information.

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