

# A LIGHT TOUR OF THE DARK SECTOR

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Thursday, 30th November 2023

6:30 PM Sala Conferenze exOspedaleMilitare

A brief historical introduction will start the light tour of the Dark Sector, to understand how we became aware of its existence, then we will explore, from a broad perspective, a few of the many scientific efforts attempting to unravel its mysteries and extend our knowledge of the Universe. We will make the acquaintance of "yet-to-be-discovered" exotic subatomic entities

such as Axions, WIMPs and Chameleons, but we will also learn about the incredibly sophisticated experimental techniques which have been invented to search for these and other elusive phenomena. The tour will end with few answers and many open questions, possibly leaving an even stronger sense of awe at the mysteries of the Universe.

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