

Title: Long-lived axion-like particles at the FCC-ee

Speaker: Elnura Bakhishova

Abstract: We study the sensitivity to long-lived particles (LLPs) of a proposed circular electron-positron collider, the FCC-ee. The very low background environments in electron-positron collisions provide exciting opportunities to search for several types of LLPs. This talk will focus on one example of a physics case resulting in a long-lived signature, namely, axion-like particles (ALPs), and it will show the sensitivity of the FCC-ee to a long-lived ALP signature.