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KAVLI AUDITORIUM

HEAVY FLAVOUR IDENTIFICATION at Linear Colliders



GUEST SPEAKER –
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The physics programme at an e^+e^- linear collider involves cleanly and efficiently reconstructing the decays of heavy flavour particles, such as B and D mesons, in a large background of low-energy electron pairs. This will require a finely pixelated vertex detector, with significant improvements over state-of-the-art in readout speed and material budget. I will discuss the work of the UK-based LCFI Collaboration to meet these technical challenges, with the development of fast imaging silicon devices and research into novel low-mass support structures.

