

# Vertex detector R&D for CLIC

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The CLIC vertex detector must have excellent spacial resolution, full geometrical coverage extending to low polar angles, extremely low mass, low occupancy facilitated by time-tagging, and sufficient heat removal from sensors and readout. These considerations, together with the physics needs and beam structure of CLIC, push the technological requirements to the limits and imply a very different vertex detector than the ones currently in use elsewhere. In this talk we review the proposed CLIC vertex-detector designs and present the current status and future plans of pixel-detector R&D for CLIC.

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