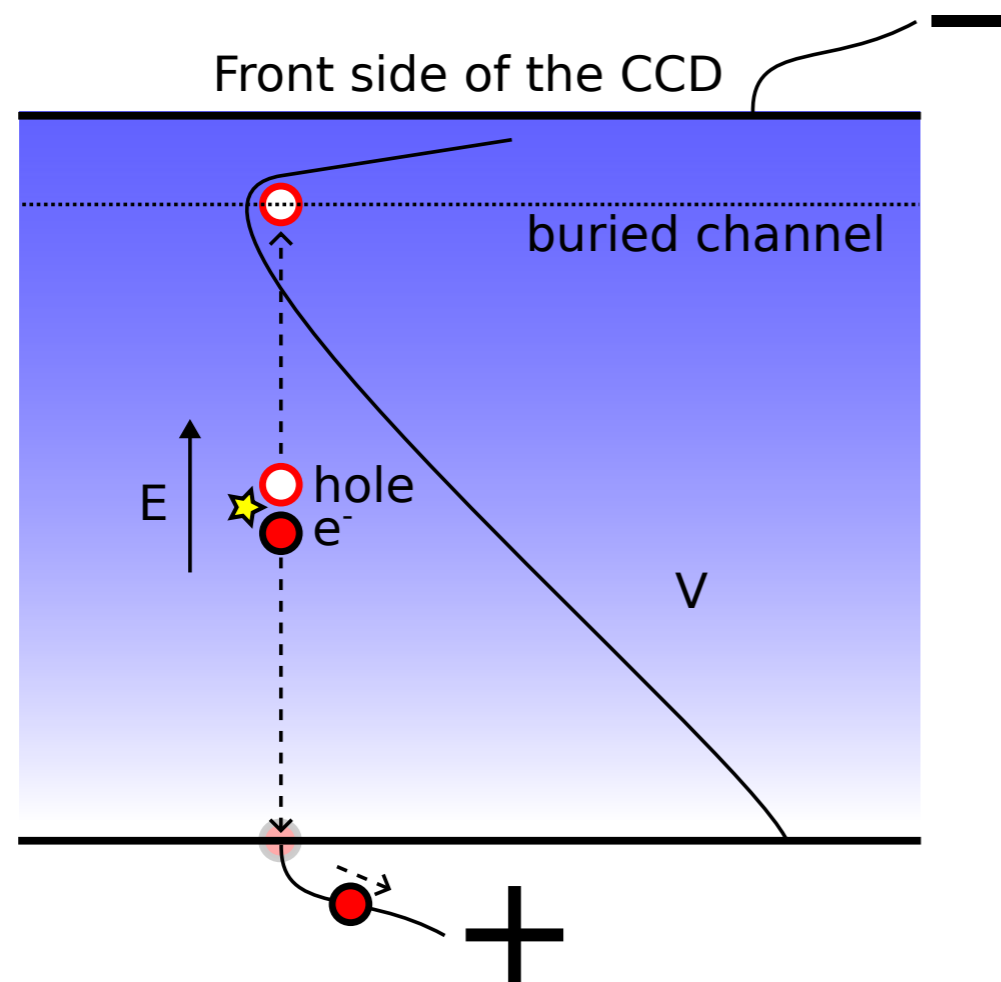


THE DUAL-SIDED CCD

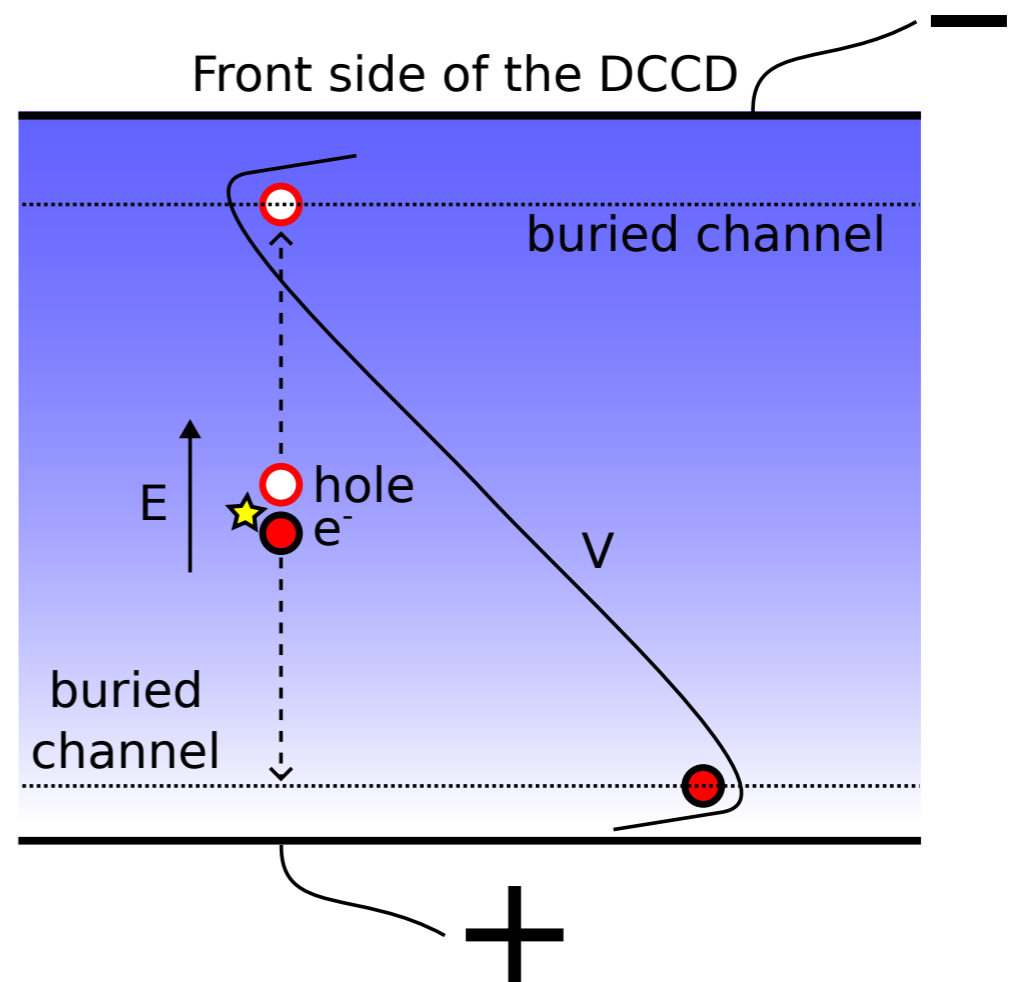
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Conventional CCD



Dual-Sided CCD

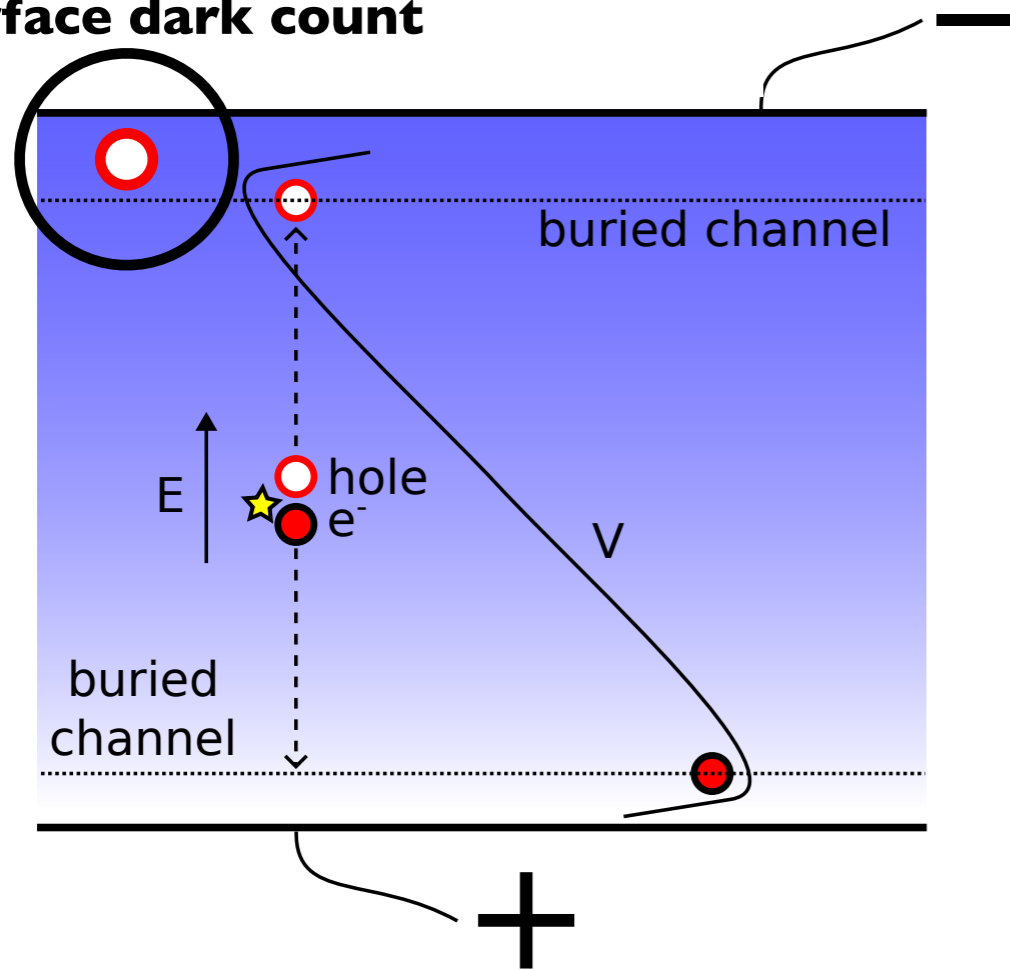


ADVANTAGES OF THE DCDD

arXiv:2307.13723

$10^3 \times$ less dark counts

Surface dark count



$10^3 \times$ better timing

