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# RASER simulation of 4D tracking detectors

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We have extended RASER (RAdiation SEmiconductoR), a Python-based simulation package for solid-state particle detectors, to enable the simulation of pixelated silicon and silicon carbide (SiC) timing sensors. The spatial and temporal resolution of these sensors is evaluated through simulations of telescope beam tests and the transient current technique (TCT). By integrating DevSim and NGSpice, a fully open-source simulation framework is established.

## Type of presentation (in-person/online)

online presentation (zoom)

## Type of presentation (I. scientific results or II. project proposal)

I. Presentation on scientific results

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