
Study of electronic properties and photocarrier dynamics in semiconductor nanowires using THz spectroscopy and optical pump -THz probe measurements.

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Résumé

The advance of non-contact measurements involving pulsed terahertz radiation presents great interests for characterizing electrical properties of a large ensemble of nanowires. In this talk I will focus on InP and Si nanowires' properties. The influence of the doping as well as the NW diameter on the carrier dynamics will be described.

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