

Update 2020/11/20

Photon-assisted transport and gain clamping are now supported to simulate lasing above threshold and quantum cascade detectors. This new feature is illustrated in the sample files "MidIR_QCL_InGaAs_InAlAs_Bai_APL2011_GainClamping_12subbbands.xml" (faster) and "MidIR_QCL_InGaAs_InAlAs_Bai_APL2011_GainClamping_21subbbands.xml" (more accurate) where LIV curves are calculated. The corresponding documentation can be found here: [Photon-assisted transport and gain clamping](#)

- Open boundary conditions for simulating e.g. Resonant Tunnelling Diodes (RTDs) are supported. See the 2 sample files in the "RTDs" subfolder of the sample files. [Simulation of devices with open boundary conditions](#)

From:

<https://nextnano-docu.northeurope.cloudapp.azure.com/dokuwiki/> - **nextnano.NEGF - Software for Quantum Transport**

Permanent link:

https://nextnano-docu.northeurope.cloudapp.azure.com/dokuwiki/doku.php?id=qcl:list_of_updates

Last update: **2020/11/20 14:38**

