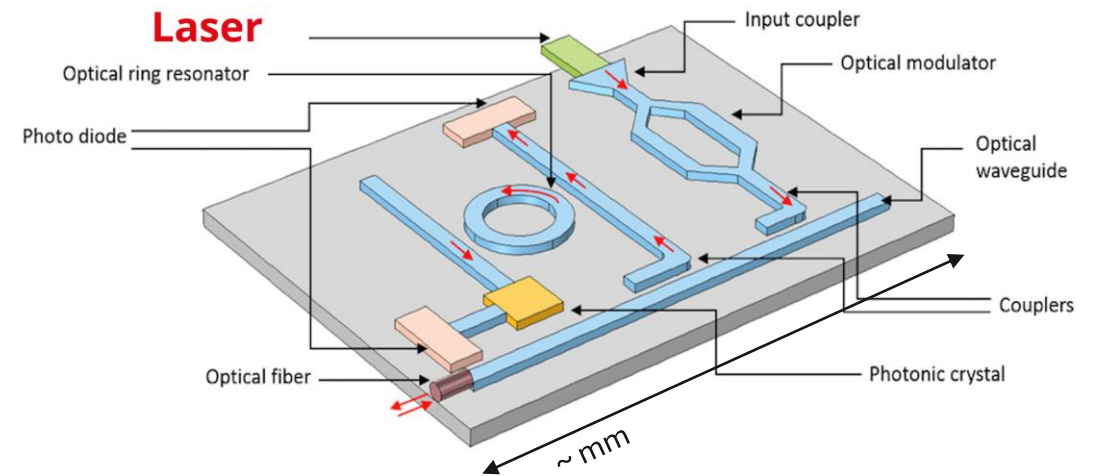
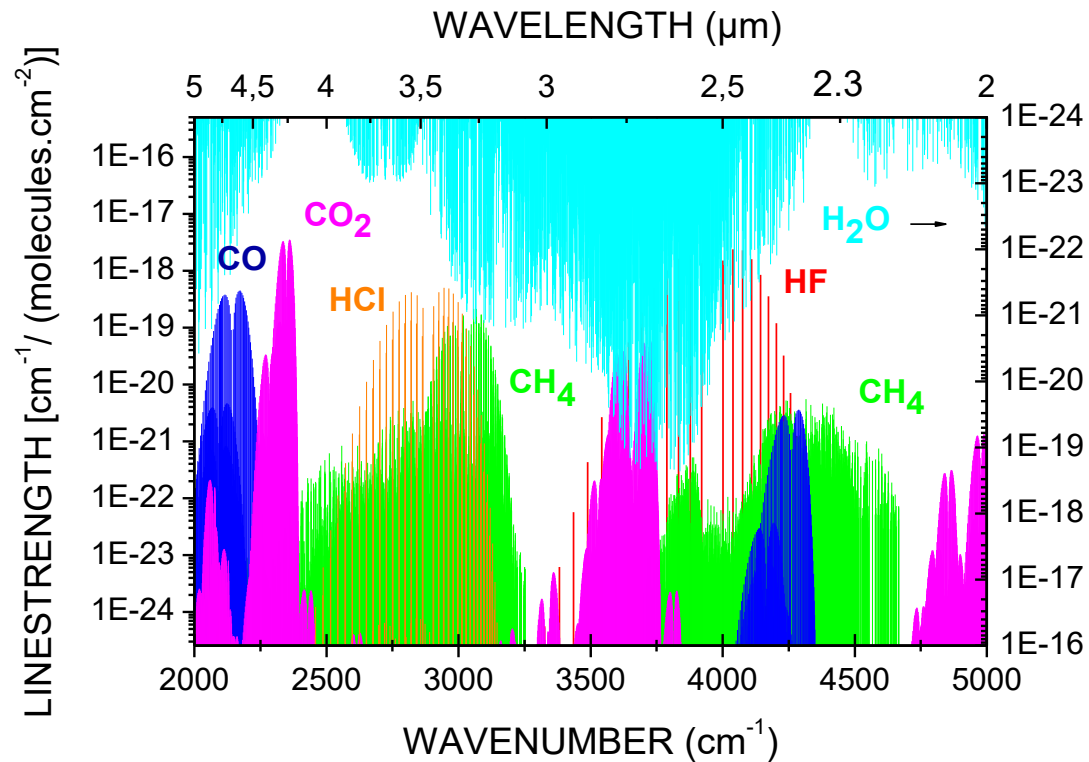





Type-I and type-II interband cascade lasers emitting around 2.7 μm

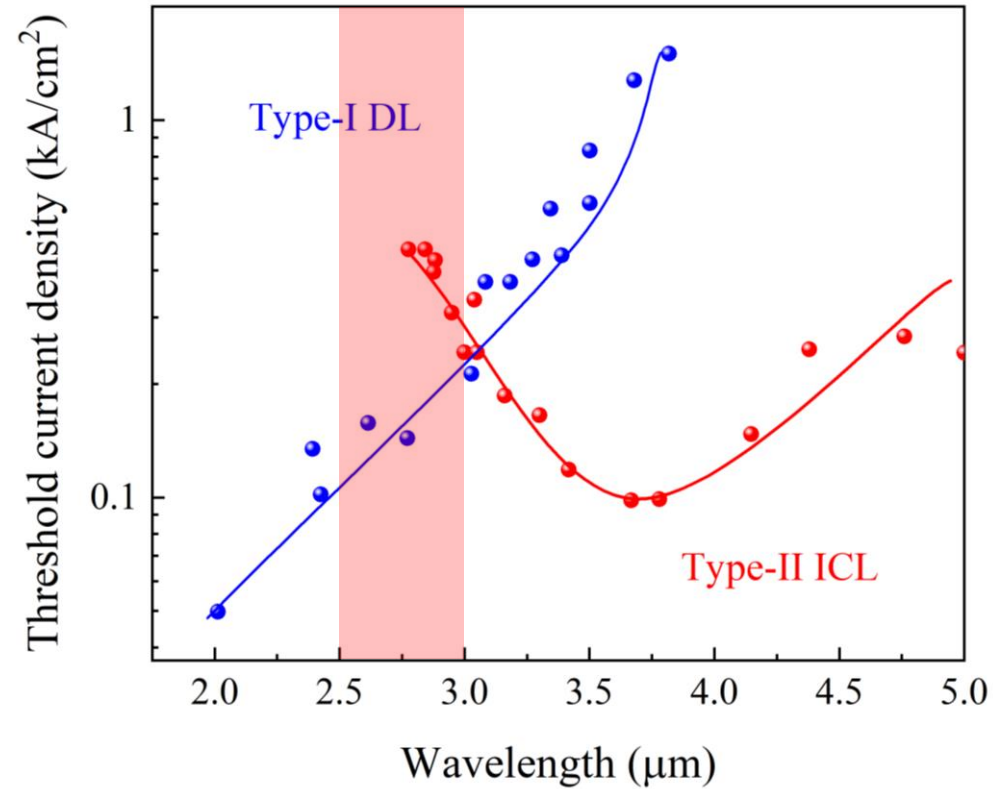
M. Fagot, D. Diaz Thomas, Y. Rouillard, J.-B. Rodriguez, E. Tournié and L. Cerutti

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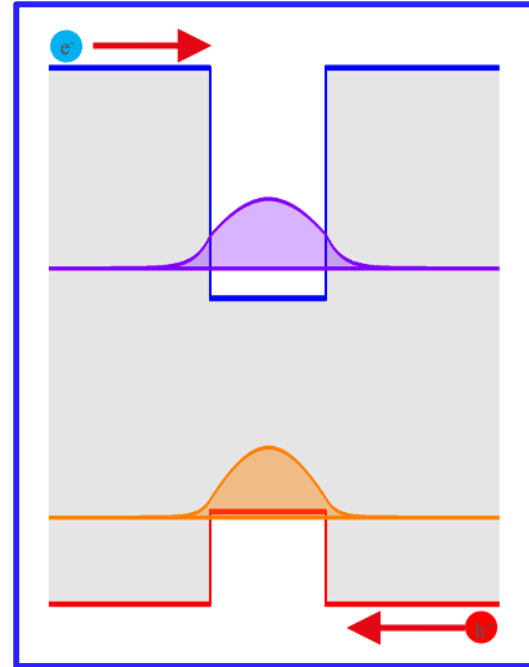


-  Environmental monitoring
-  Healthcare
-  Aerospace and Defense

Laser performance in 2 - 5 μm range

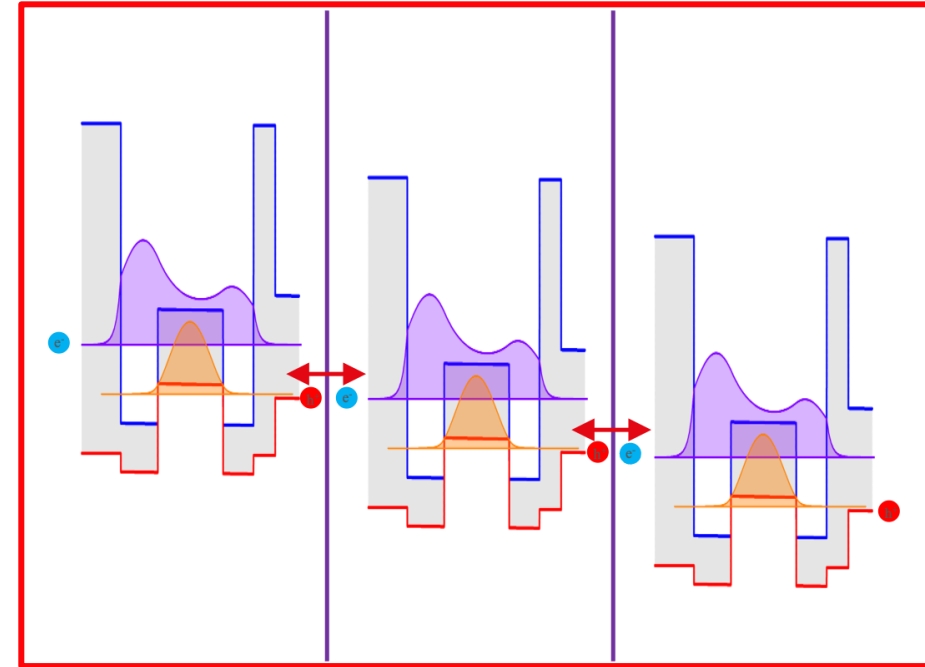


Type-I QW Diode Laser (DL)
GaInAsSb / AlGa(In)AsSb



☐ Increase of Auger effect for $\lambda > 2.5 \mu\text{m}$

Type-II Interband Cascade Laser (ICL)
AlSb / InAs / GaInSb / GaSb



☐ Lower recombination efficiency for $\lambda < 3.5 \mu\text{m}$

How to efficiently cover the 2.5 – 3 μm range ? → **Type-I ICLs**

Poster M11