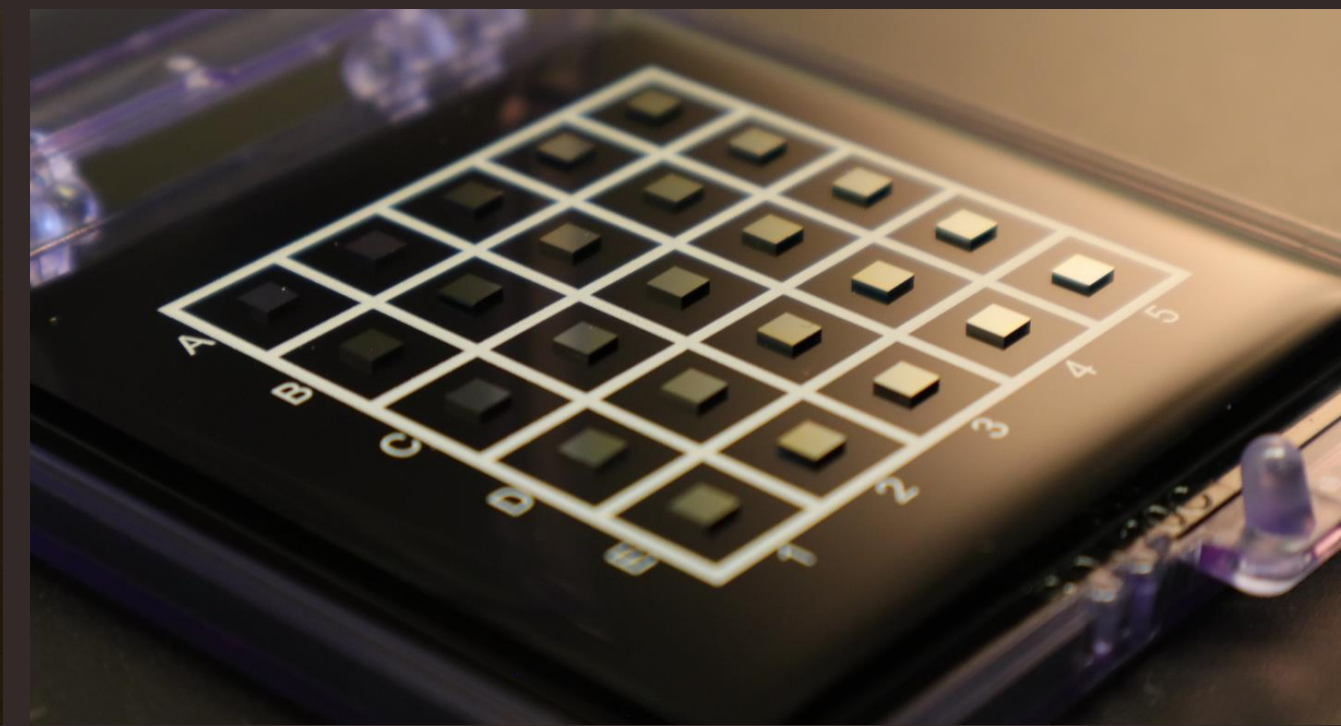
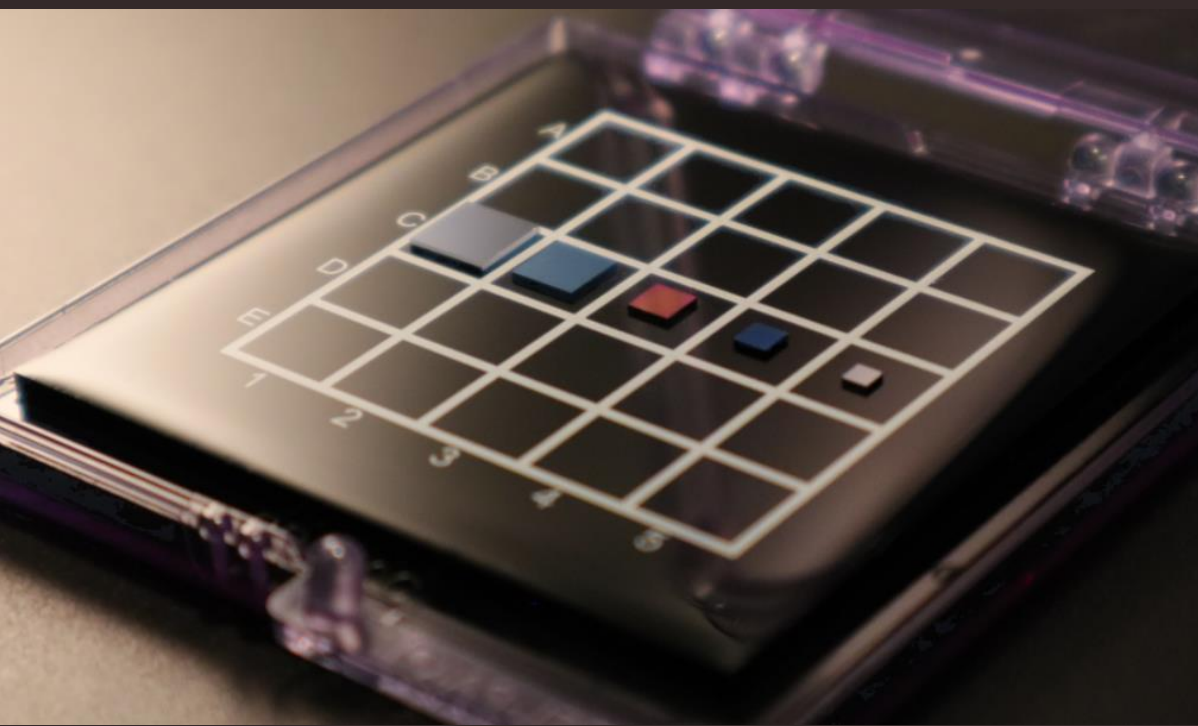


CUSTOMIZED SEMICONDUCTOR SATURABLE ABSORBER MIRRORS

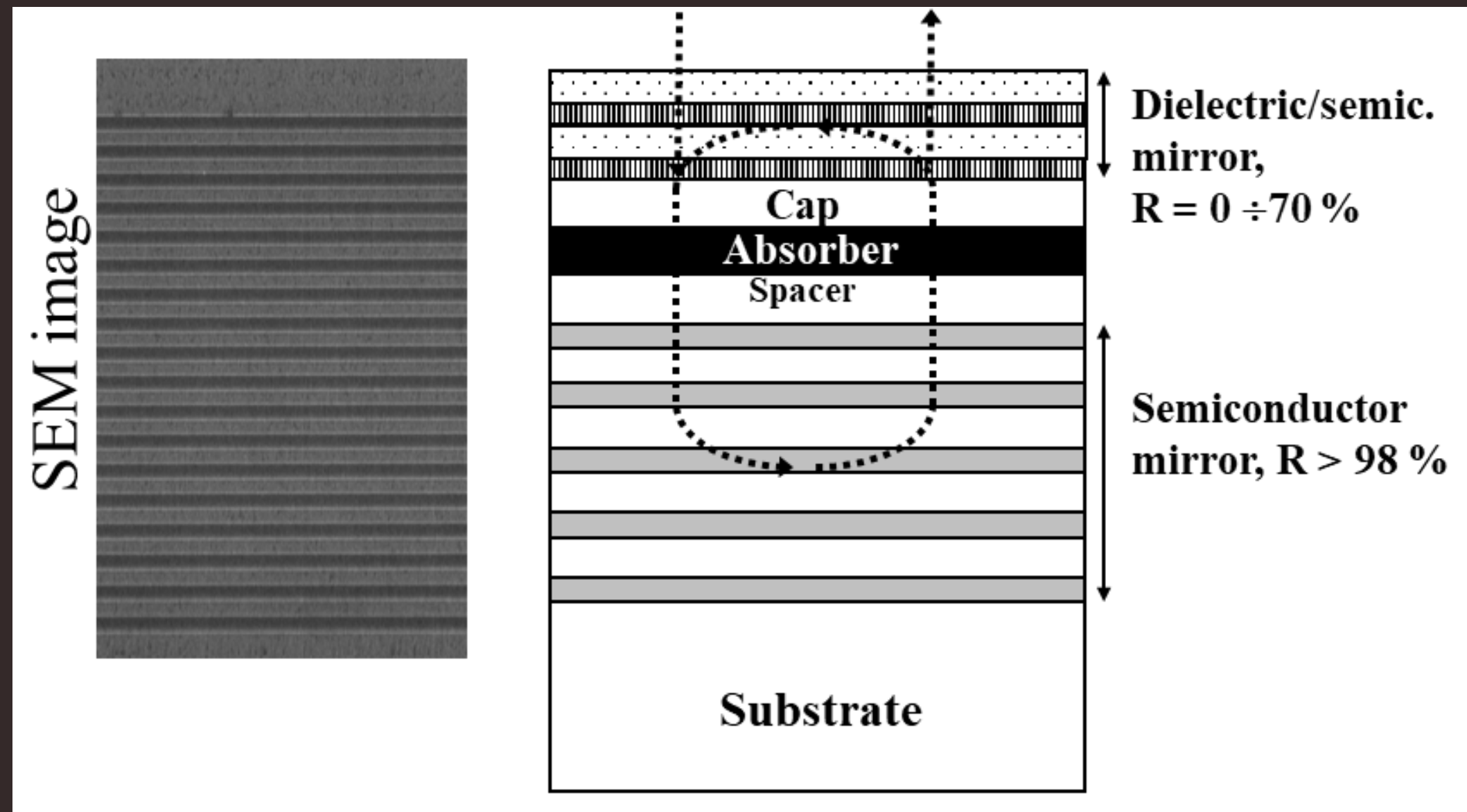
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SESAM

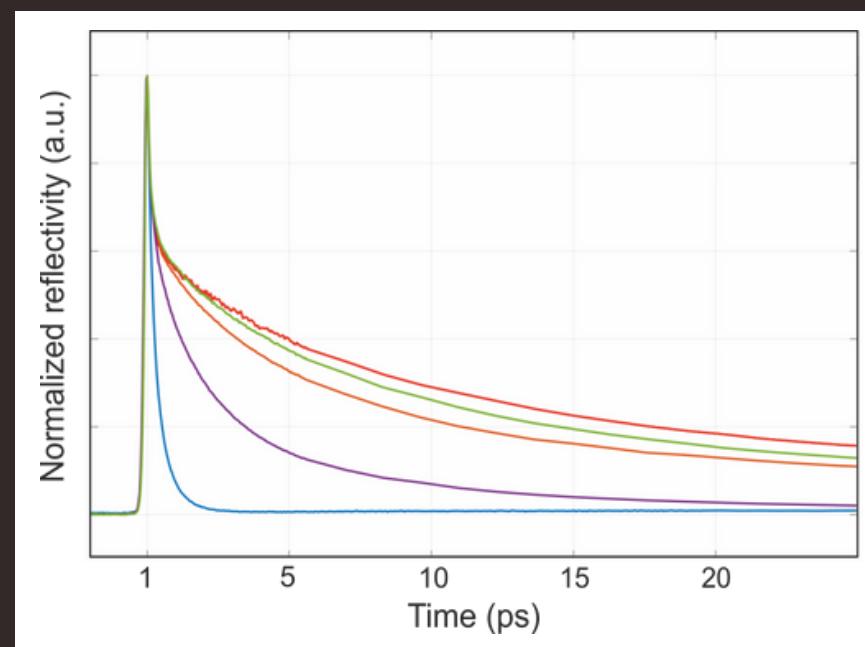
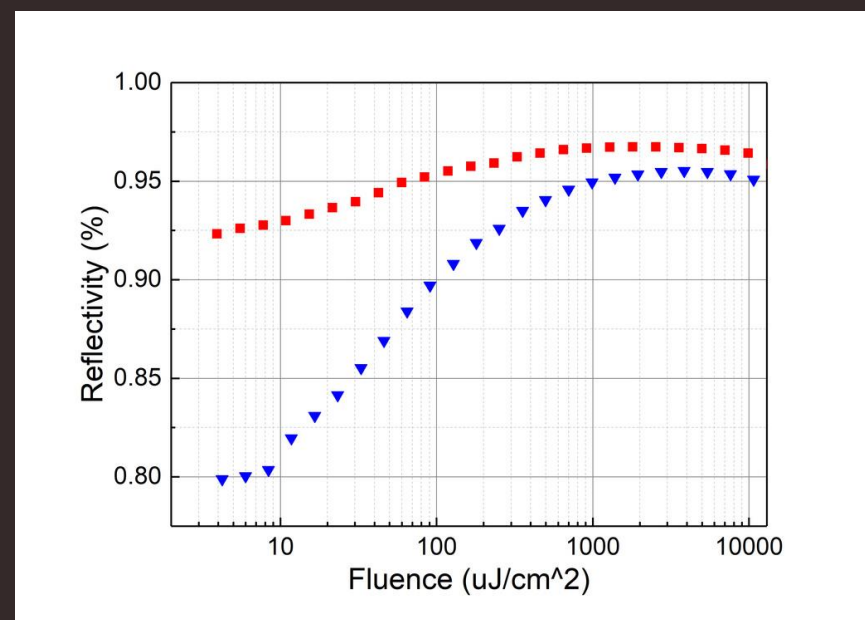
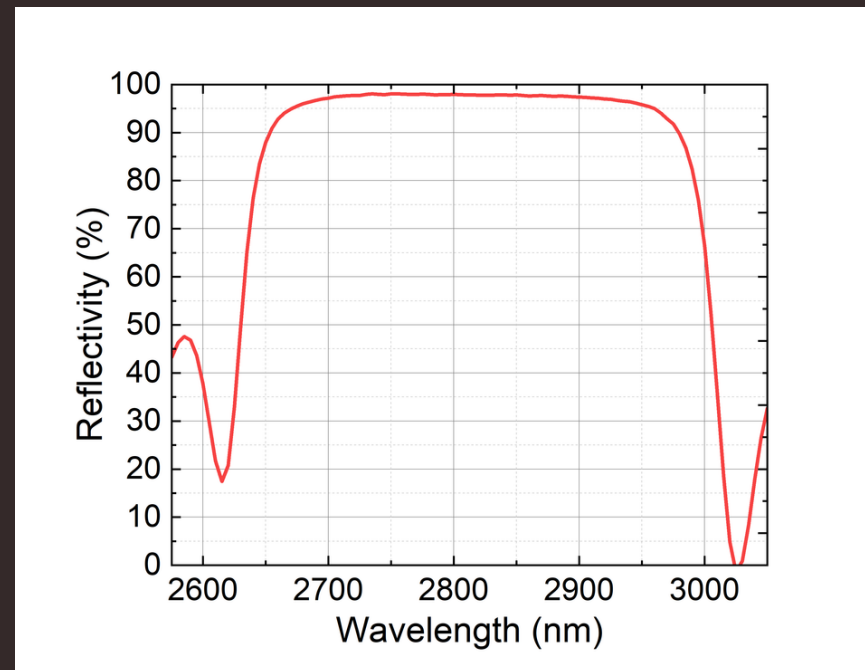
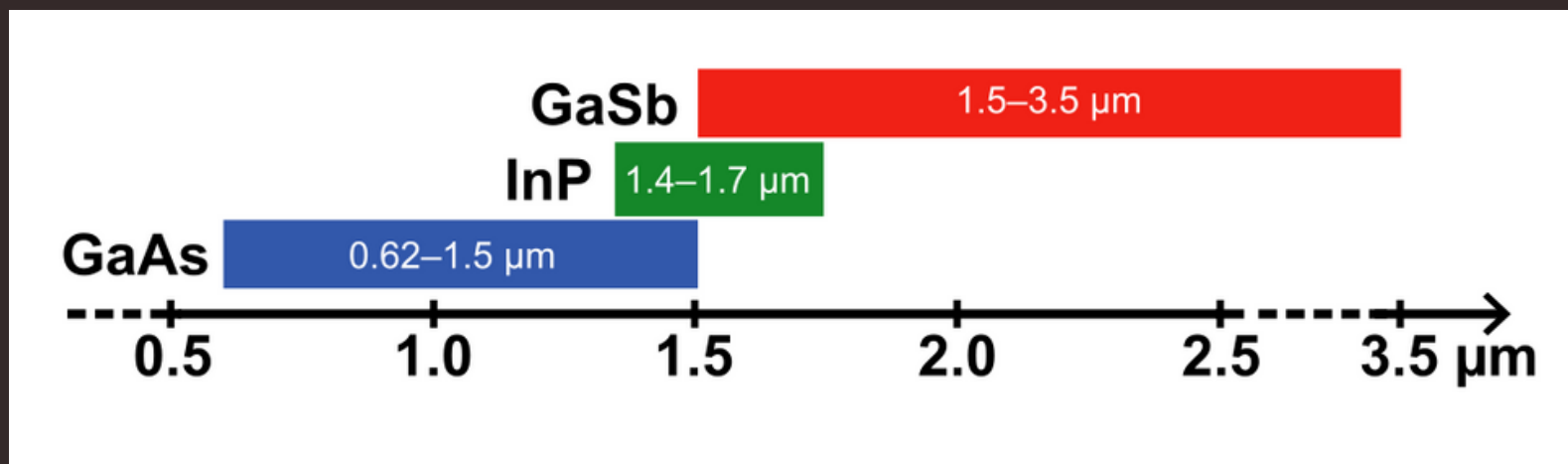
- Nonlinear mirror used for mode-locking and Q-switching of lasers
- Instrumental component for ultrafast laser industry
- Consists of a DBR stack and a saturating absorber active region with fast recovery time



WHY CUSTOMIZED SESAMS?

Operating a SESAM in the optimal working regime guarantees reliability, repeatability and lifetime.

Optimal parameters depend on the laser design.



OUR COMPANY



Established 2004

Important player in the rise of
ultrafast laser industry

Extensive experience in
semiconductor technology and
various types of ultrafast lasers

The Expertise

MBE of III-V semiconductors
Semiconductor design and processing
Laser physics

Facilities

Own epitaxy fab ready 2023
Capacity to expand to customized wafer
production of complimentary
technologies

Every laser needs a unique SESAM

- Mircea Guina