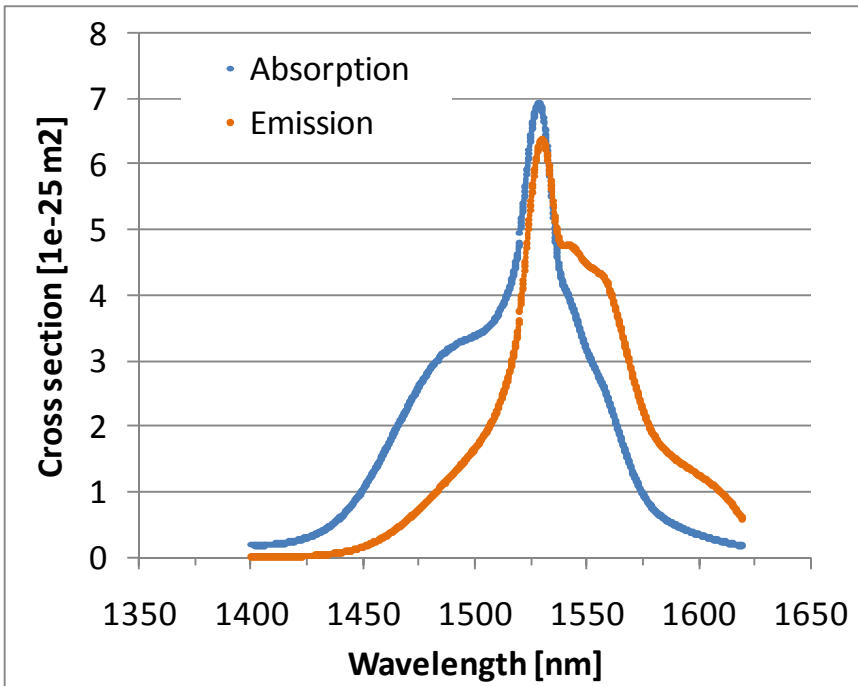
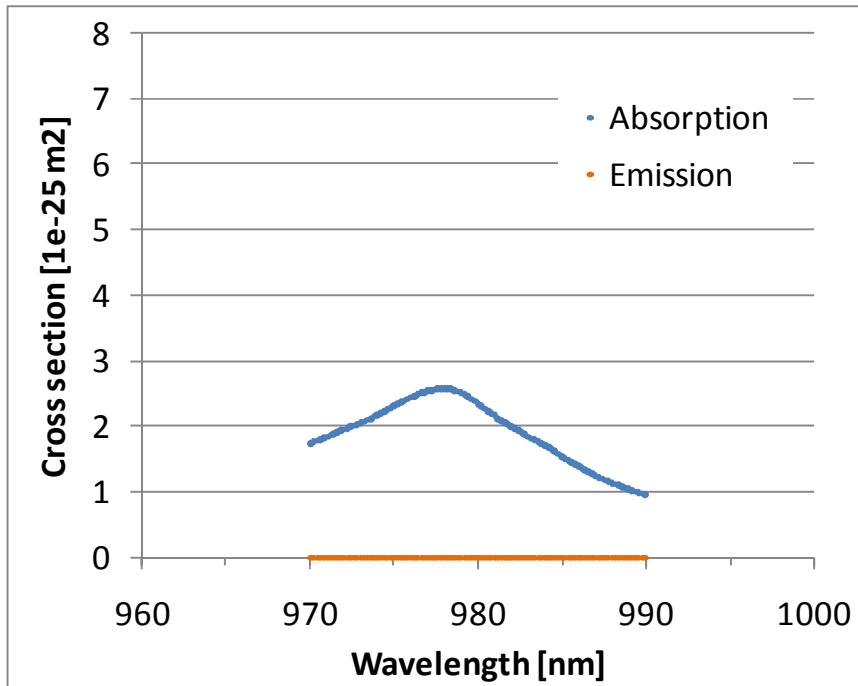




# **LIEKKI™ Erbium and Ytterbium fiber cross sections**

**Dec 20 2013**

# LIEKKI™ Erbium fiber cross section

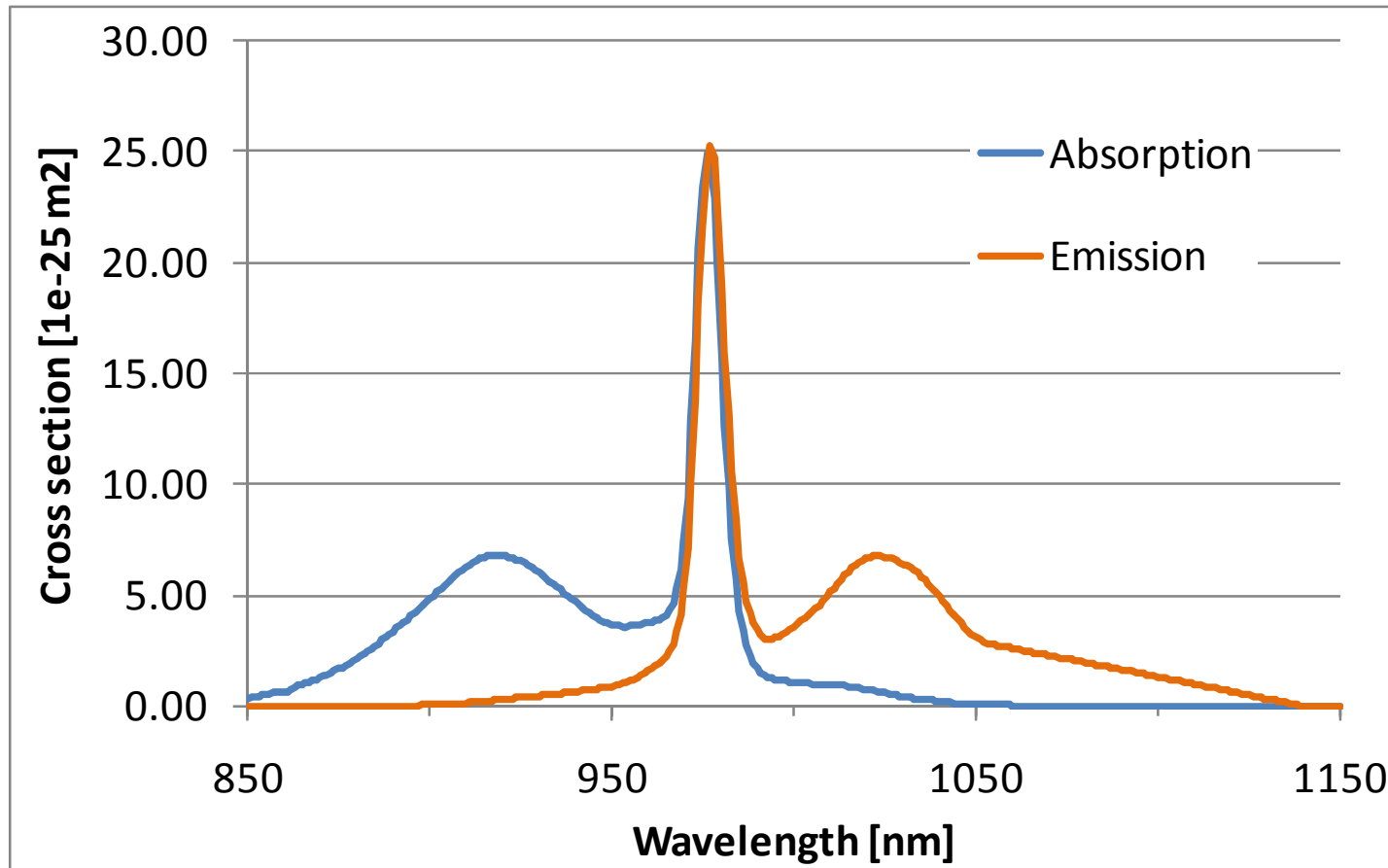


Data extracted from Liekki™ Application Designer v4.0

Fiber	Rare-earth concentration [ions/m <sup>3</sup> ]
Er16-8/125	6.8E+24
Er20-4/125	1.2E+25
Er30-4/125	1.9E+25
Er30-4/125HC	1.7E+25
Er40-4/125	2.4E+25

Fiber	Rare-earth concentration [ions/m <sup>3</sup> ]
Er80-4/125	4.8E+25
Er80-8/125	3.7E+25
Er110-4/125	6.6E+25
Er60-20/125DC	2.0E+25
Er120-20/125DC	4.0E+25

# LIEKKI™ Ytterbium fibers cross section



Data extracted from Liekki™ Application Designer v4.0  
Yb1200 corresponds to approximately  $9 \times 10^{25}$  ions/m<sup>3</sup>  
Yb700 corresponds to approximately  $5 \times 10^{25}$  ions/m<sup>3</sup>