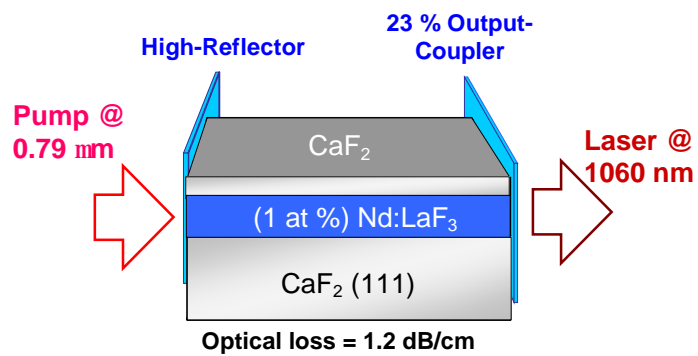


## Some of the laser sources I have developed or co-developed

### ORC Works (Southampton, UK)

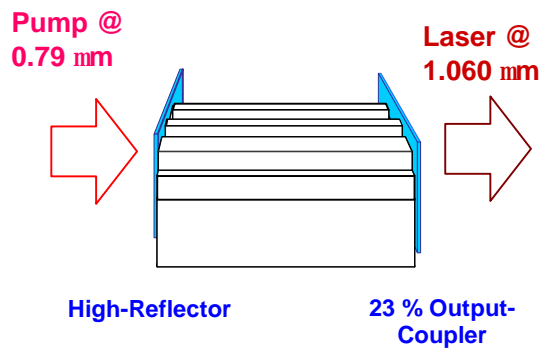
#### Planar Waveguide lasers

-Nd:LaF<sub>3</sub> planar waveguide lasers ( $\lambda$ : 1060 nm)



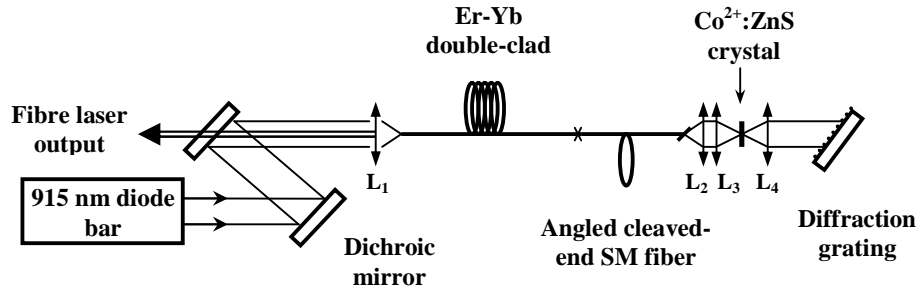
#### Channel Waveguide lasers

- BCB channel waveguide lasers ( $\lambda$ : 1060 nm)



## Diode pumped passively Q-switched fiber laser sources

- Diode pumped  $\text{Co}^{2+}:\text{ZnS}$  passively Q-switched Er-Yb double-clad fiber laser

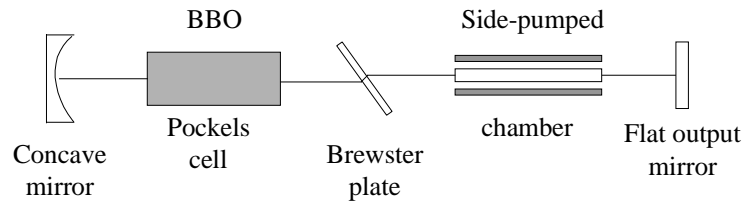


Experimental set-up of a passively Q-switched fiber laser.

## Pitt Works (Pittsburgh, USA)

### Q-switched diode side pumped solid-state laser sources

- BBO E/O Q-switched diode-pumped Er:Yb:glass laser ( $\lambda$ : 1535 nm)
- $\text{U}:\text{CaF}_2$  Passively Q-switched diode-pumped Er:Yb:glass laser ( $\lambda$ : 1535 nm)
- Porro prism actively Q-switched diode-pumped Er:Yb:glass laser ( $\lambda$ : 1535 nm)

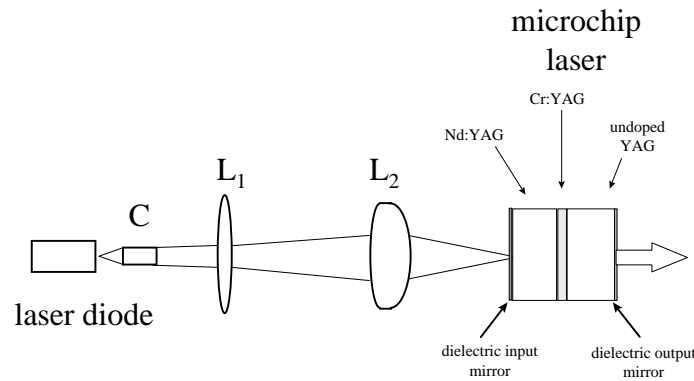


Schematic diagram of the BBO E/O Q-switched diode-pumped Er:Yb:glass laser system

## FEE Works (Idar-Oberstein, Germany)

### Q-switched diode-pumped microchip solid-state laser sources

- Passively Q-switched Nd:YAG/CrYAG/YAG microchip lasers ( $\lambda$ : 946 nm)
- Passively Q-switched Nd:YAG/CrYAG/KNbO<sub>3</sub> microchip lasers ( $\lambda$ : 473 nm)
- BBO externally doubled passively Q-switched Nd:YAG/CrYAG/KNbO<sub>3</sub> microchip lasers ( $\lambda$ : 236.5 nm)

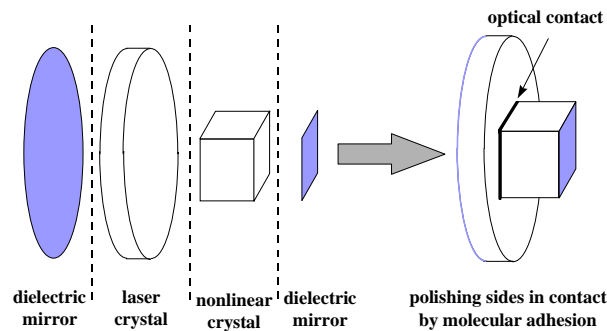


Schematic diagram of a Q-switched diode-pumped Nd:YAG/CrYAG/YAG laser system

## FOTON (Lannion, France) and FEE works

### CW diode-pumped microchip solid-state laser sources

- CW diode-pumped Er:Yb:Cr :phosphate glass microchip laser ( $\lambda$ : 1535 nm)
- CW diode-pumped Nd:YVO<sub>4</sub> microchip laser ( $\lambda$ : 1064 nm)
- CW diode-pumped Nd:YAG microchip laser ( $\lambda$ : 1064 nm)
- CW diode-pumped Nd:YAG/KNbO<sub>3</sub> microchip laser ( $\lambda$ : 532 nm,  $\lambda$ : 473 nm)



Schematic build-up of an intra-cavity frequency doubled microchip laser system