



**ICFO**<sup>R</sup>

**Institut  
de Ciències  
Fotòniques**

# March 2012 - ICFO

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esf  
european  
social fund in the  
czech republic



EUROPEAN UNION



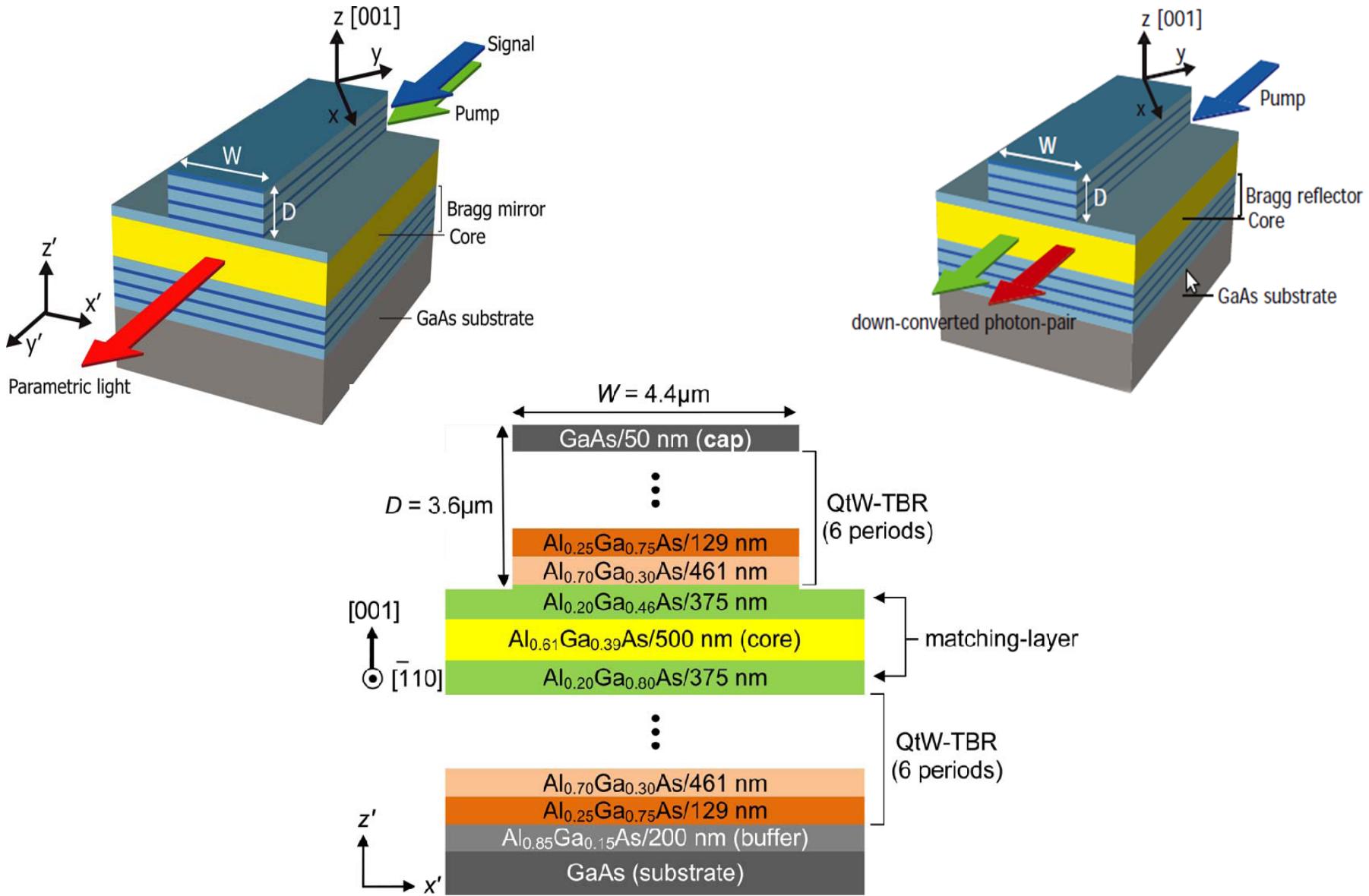
MINISTRY OF EDUCATION,  
YOUTH AND SPORTS



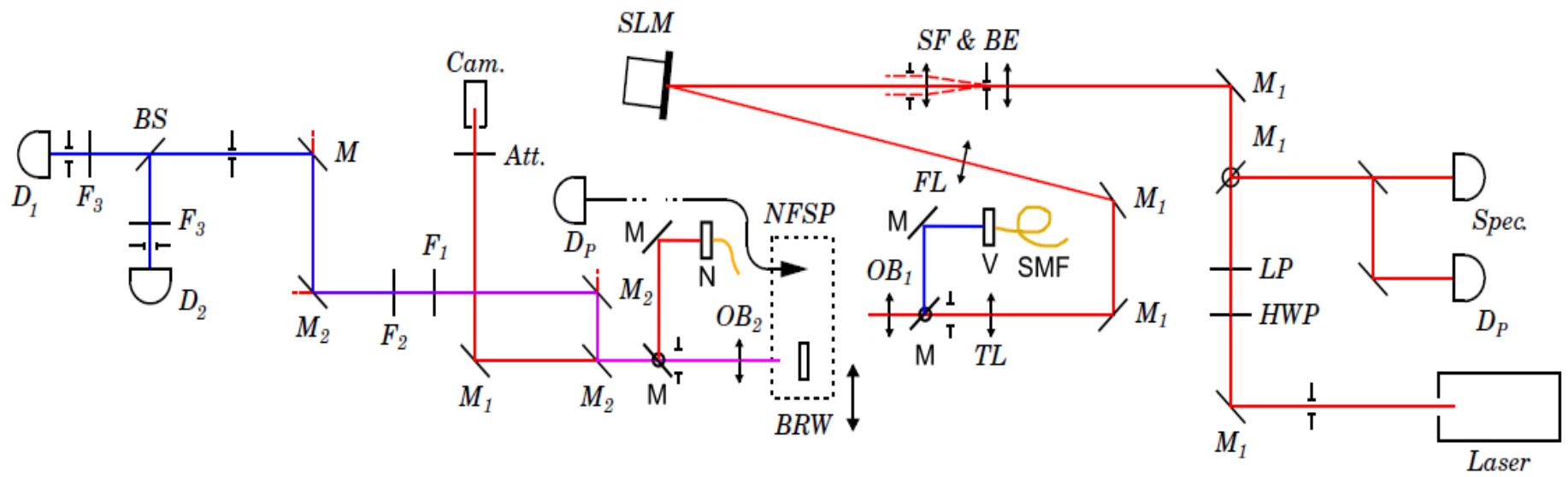
OP Education  
for Competitiveness  
ER-2007-2013

INVESTMENTS IN EDUCATION DEVELOPMENT

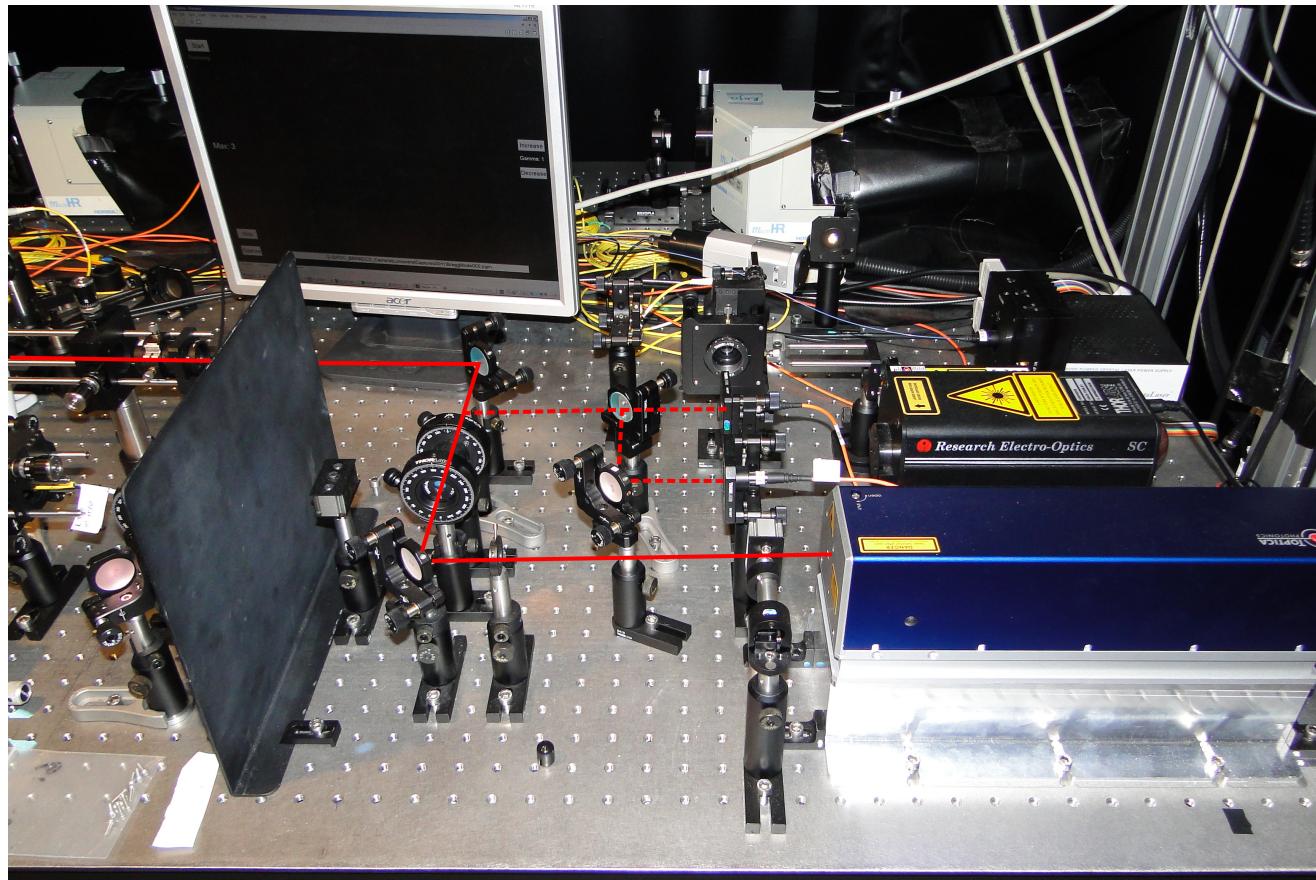
# Bragg reflection waveguide - BRW



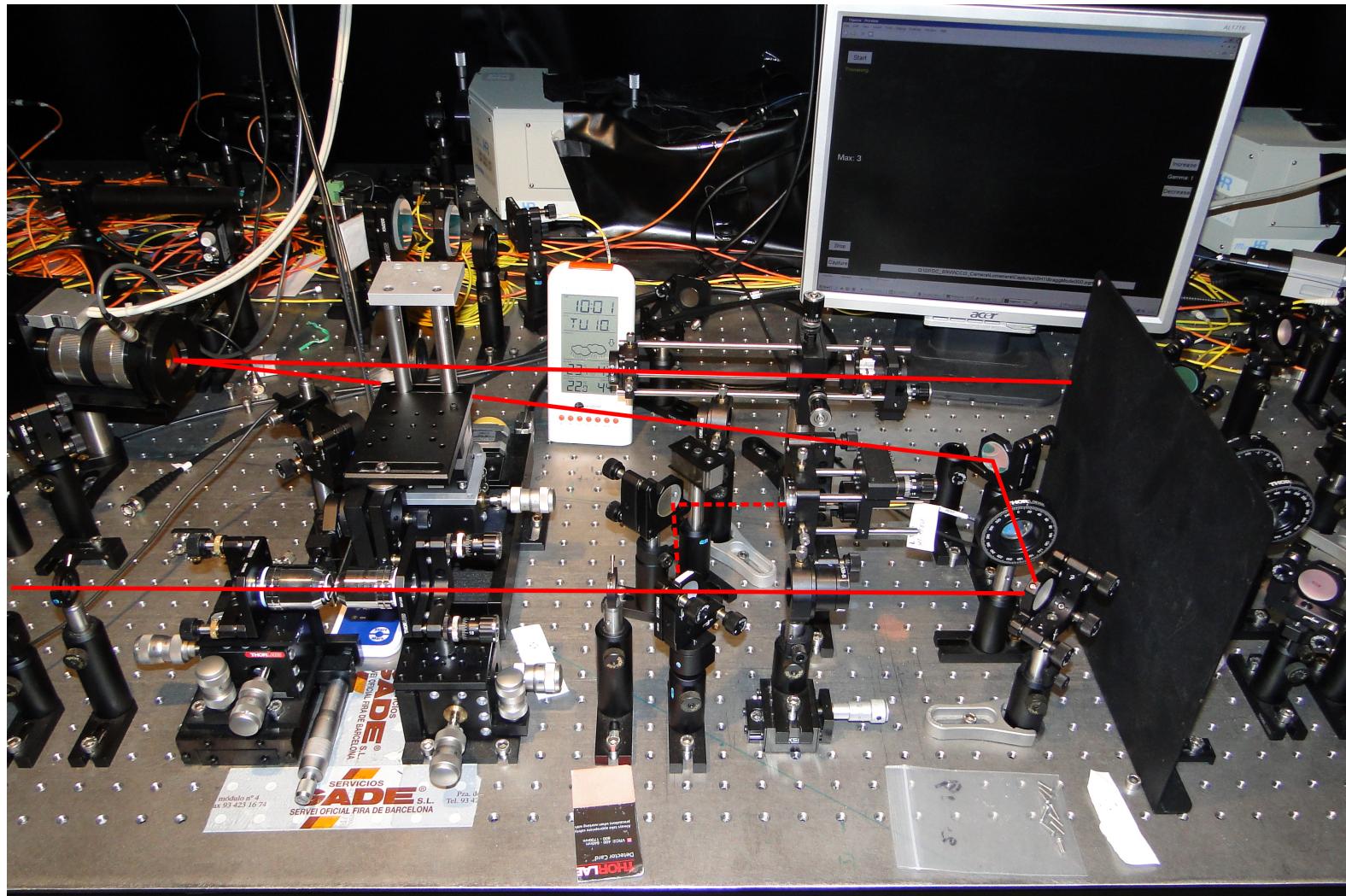
# Setup



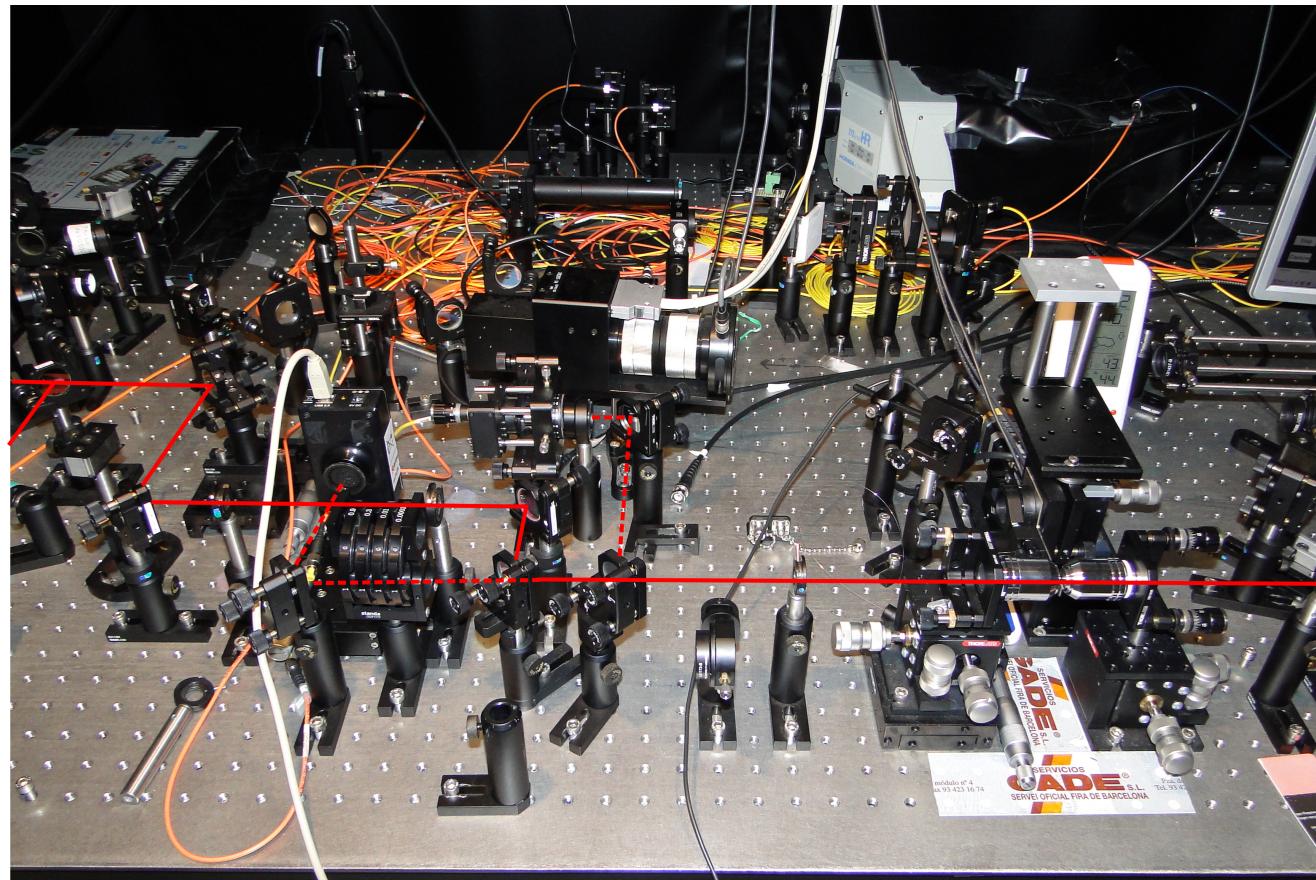
# Setup – part 1



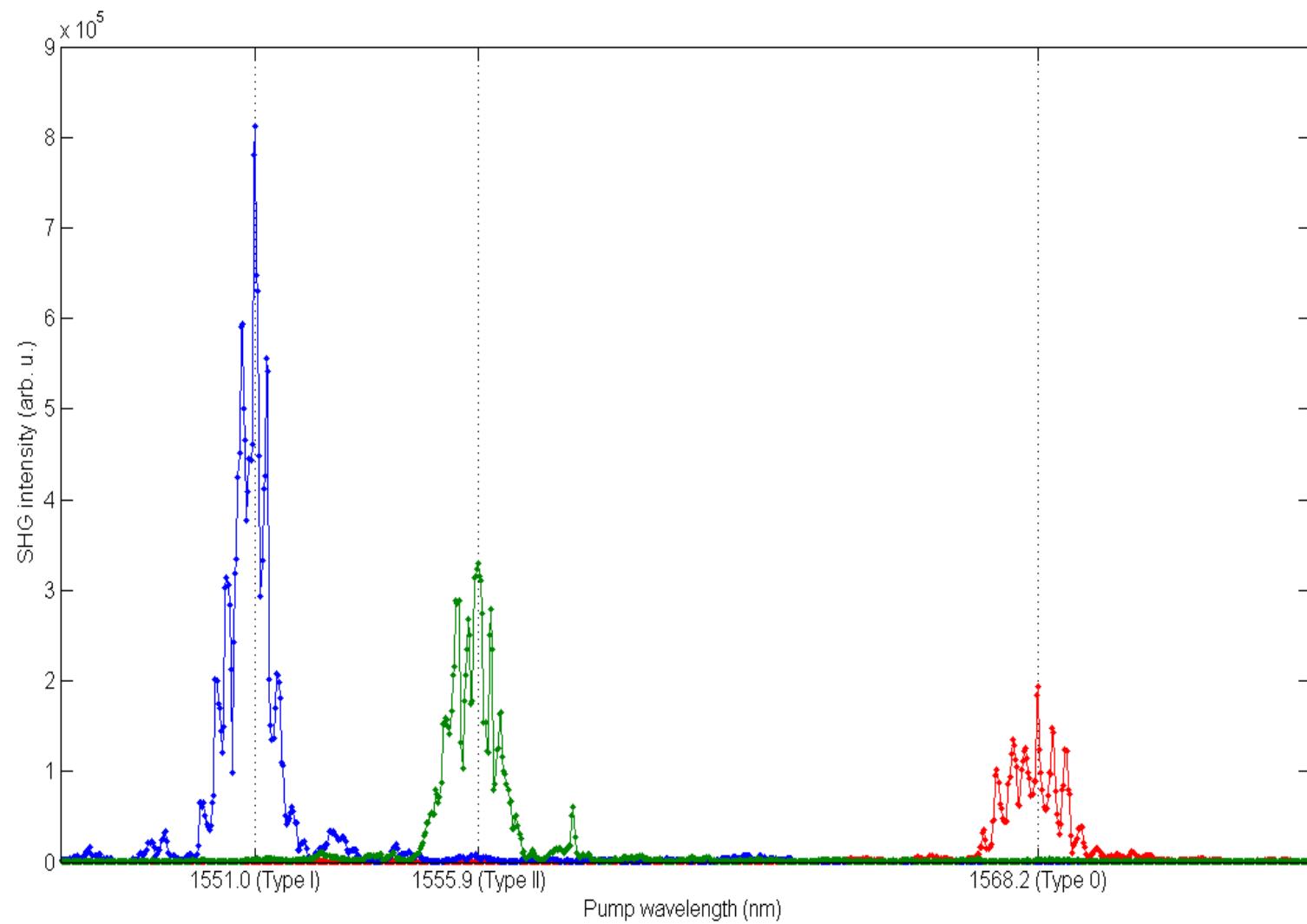
# Setup – part 2



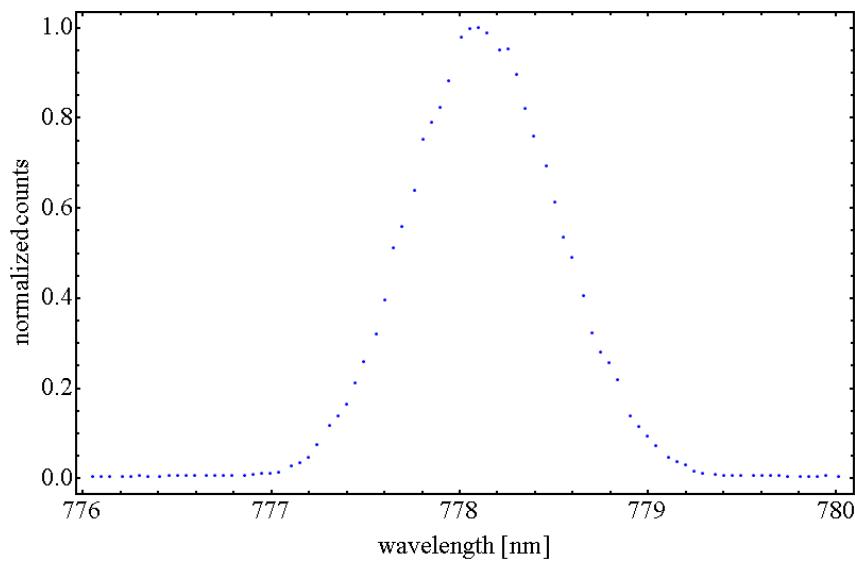
# Setup – part 3



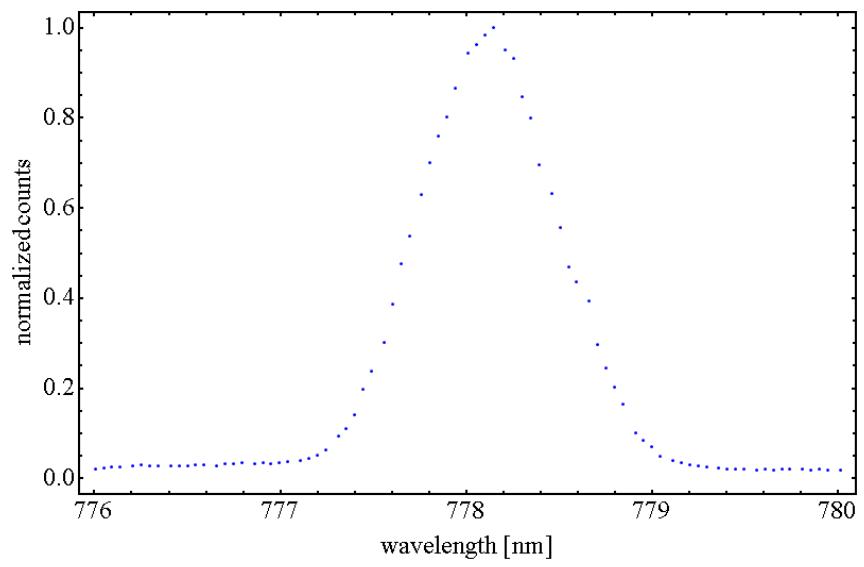
# SHG generation with auxiliary laser



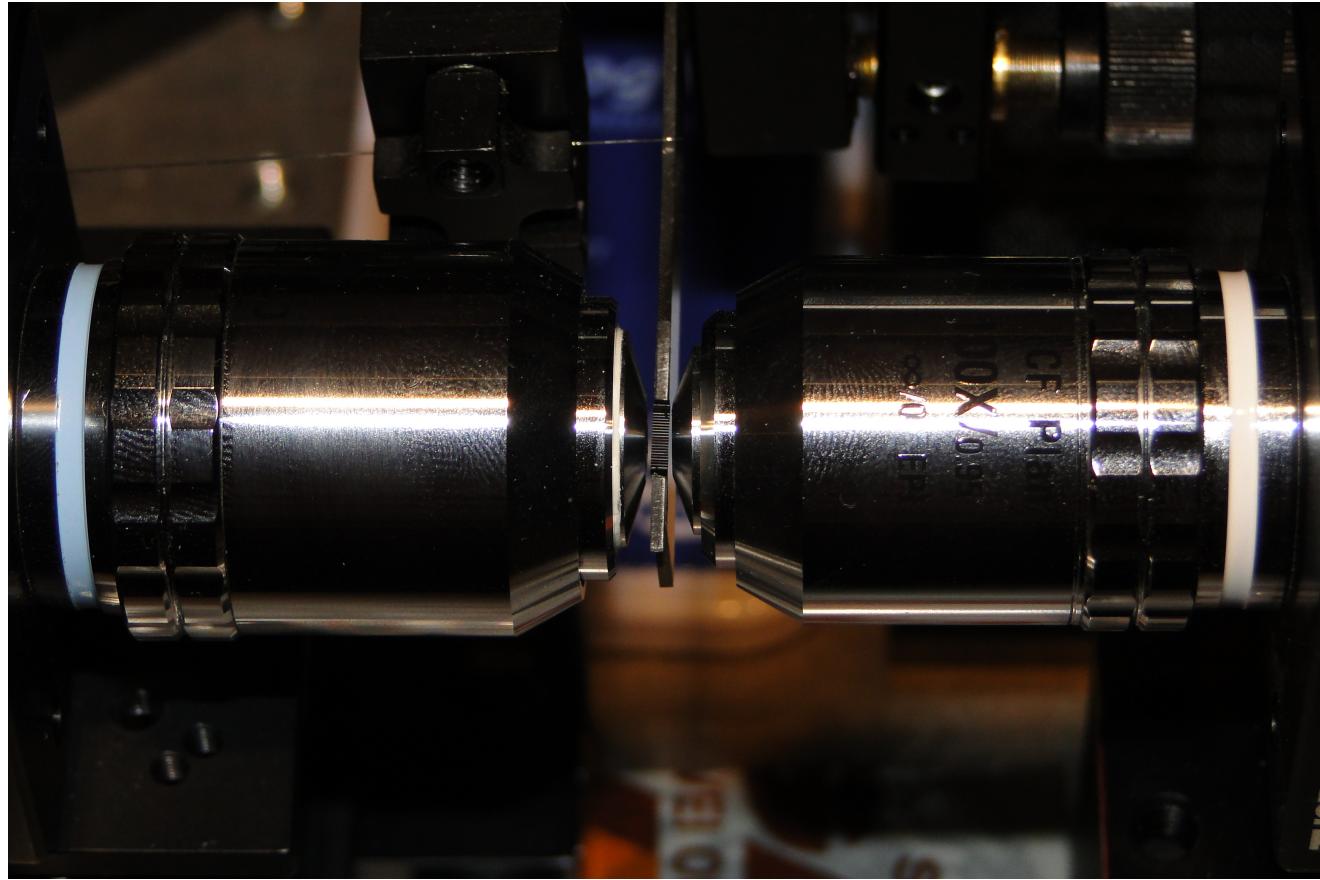
# DLX 110



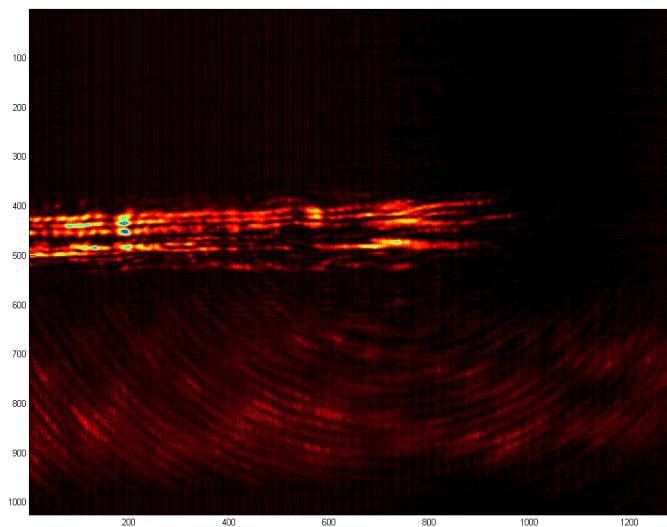
# SHG



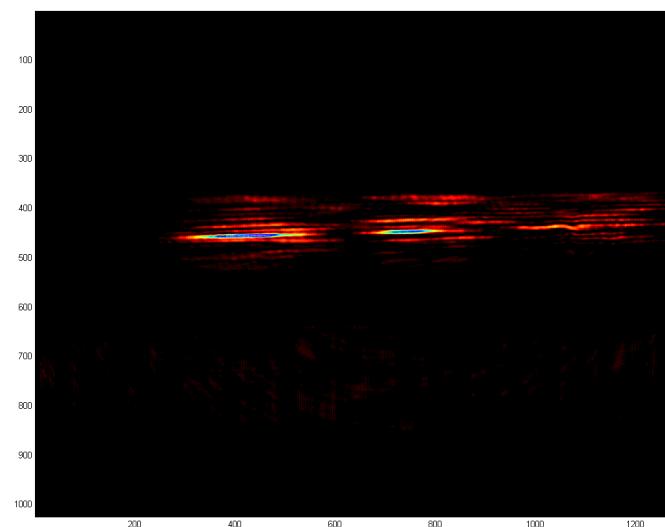
# Setup – BRW detail



Begining of the sample



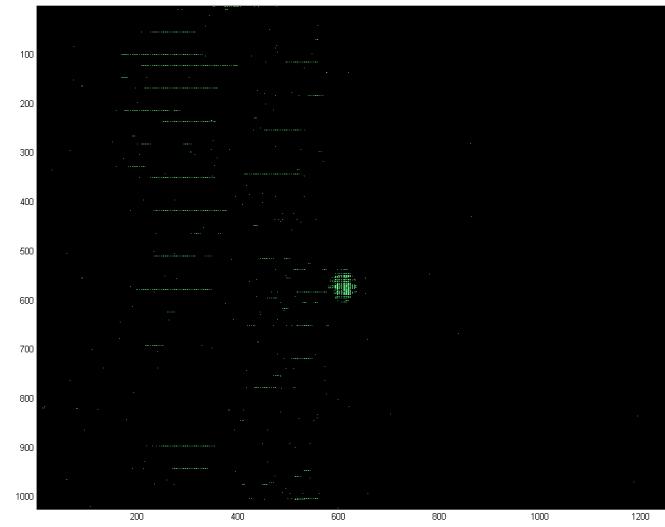
Etching part



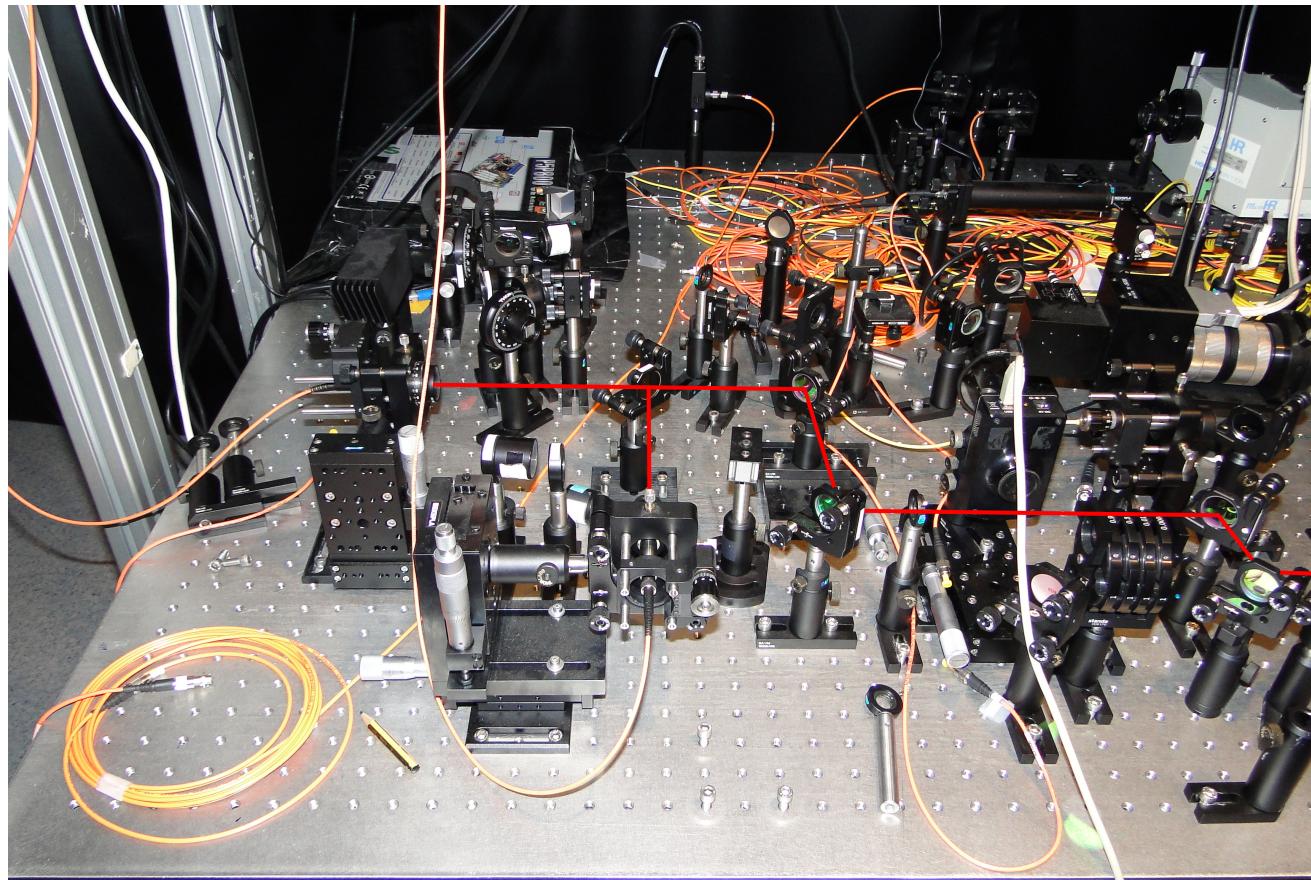
Beam in the BRW



SHG on CCD camera



# Setup – part 4



**Thank you for your attention.**