

FIZINIŲ IR
TECHNOLOGIJOS MOKSLŲ
CENTRAS

Efficient ablation of metals with modern ultrafast lasers

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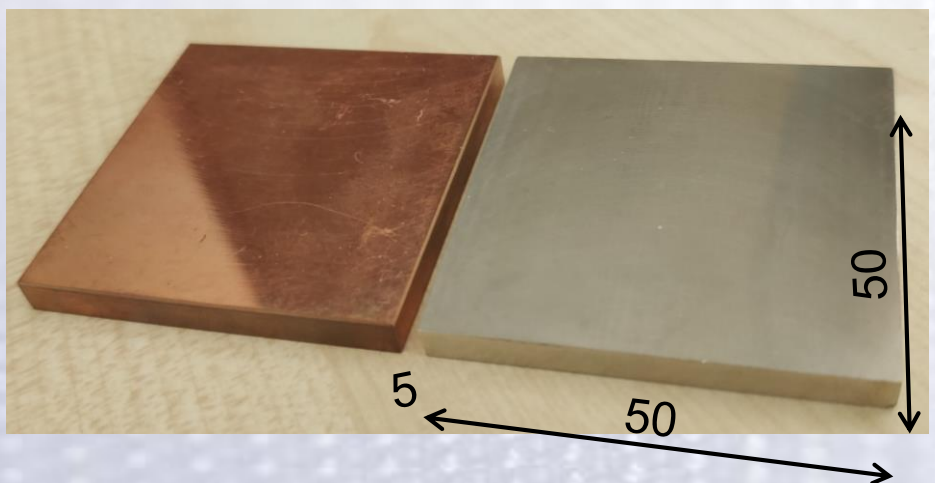
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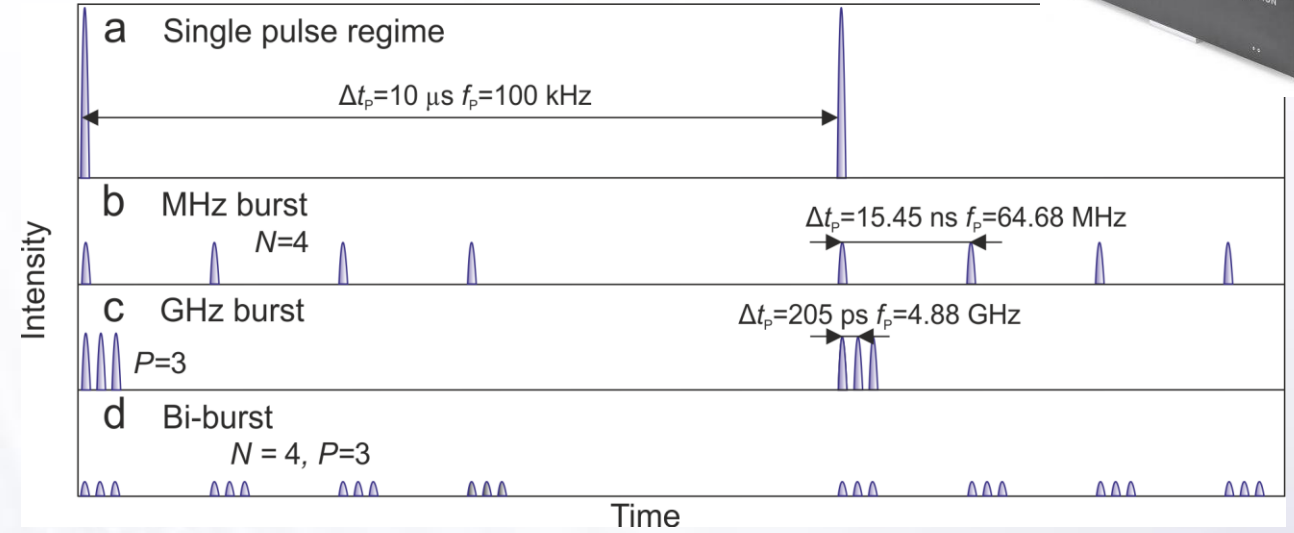
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P. Gečys, EPIC tech. meeting: Growing Needs for Ultrafast, High Power Laser Applications

Laser	Pharos, Light Conversion
Wavelength	1030 nm
Pulse length	210 fs
Burst rep. rate	100 kHz
Pulse rep. rate	64.68 MHz or/and 4.88 GHz
Average power	7.3 W
Galvo scanner	Intelliscan 14, SCANLAB
F-theta lens	+100 mm
Beam radius in focus	19.6 μm

Copper and stainless steel 1.4301 plates

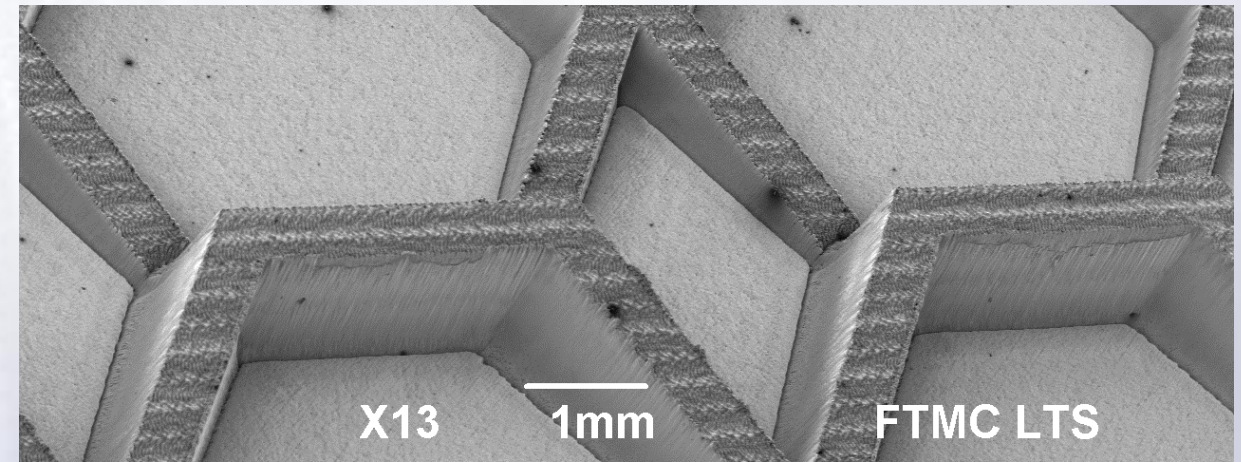


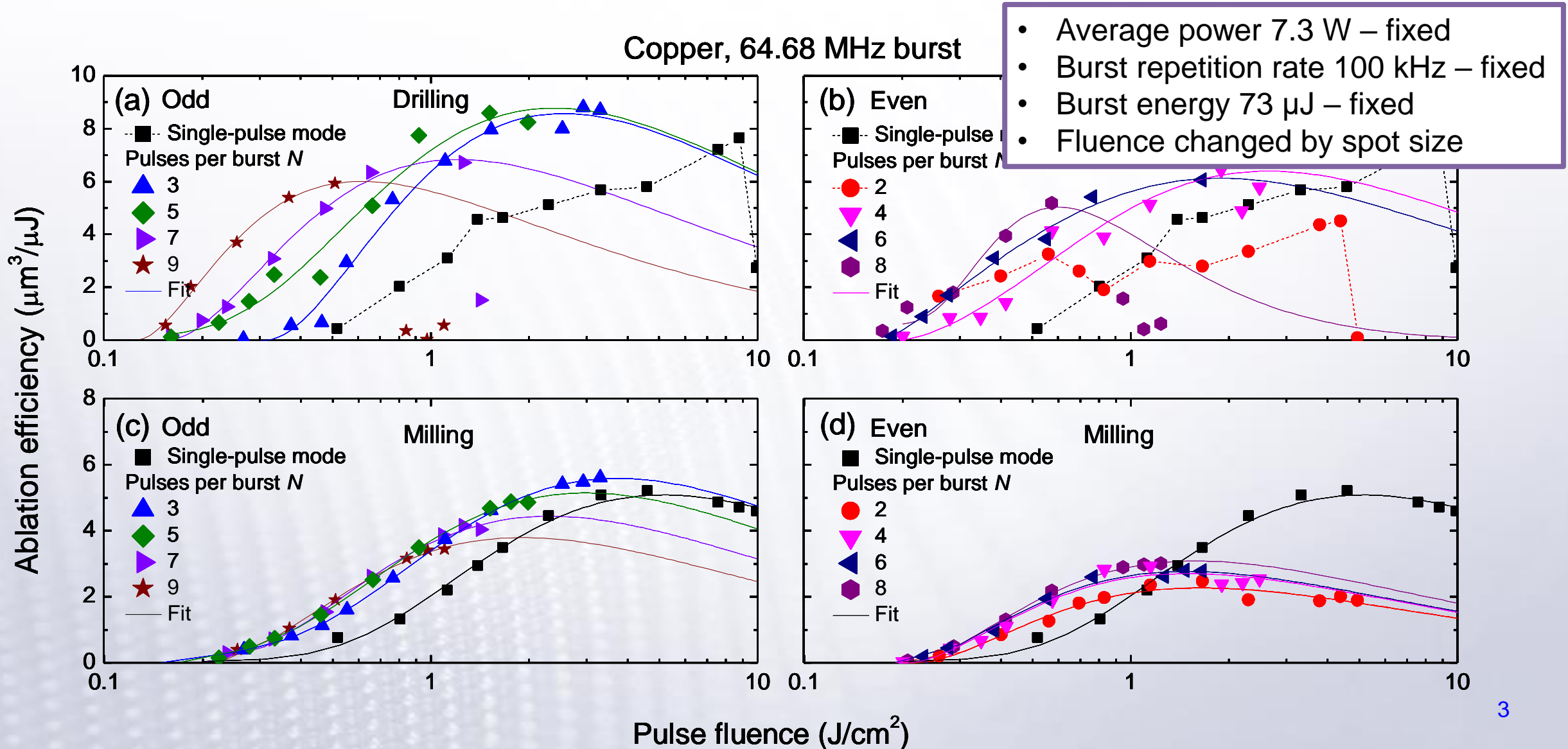


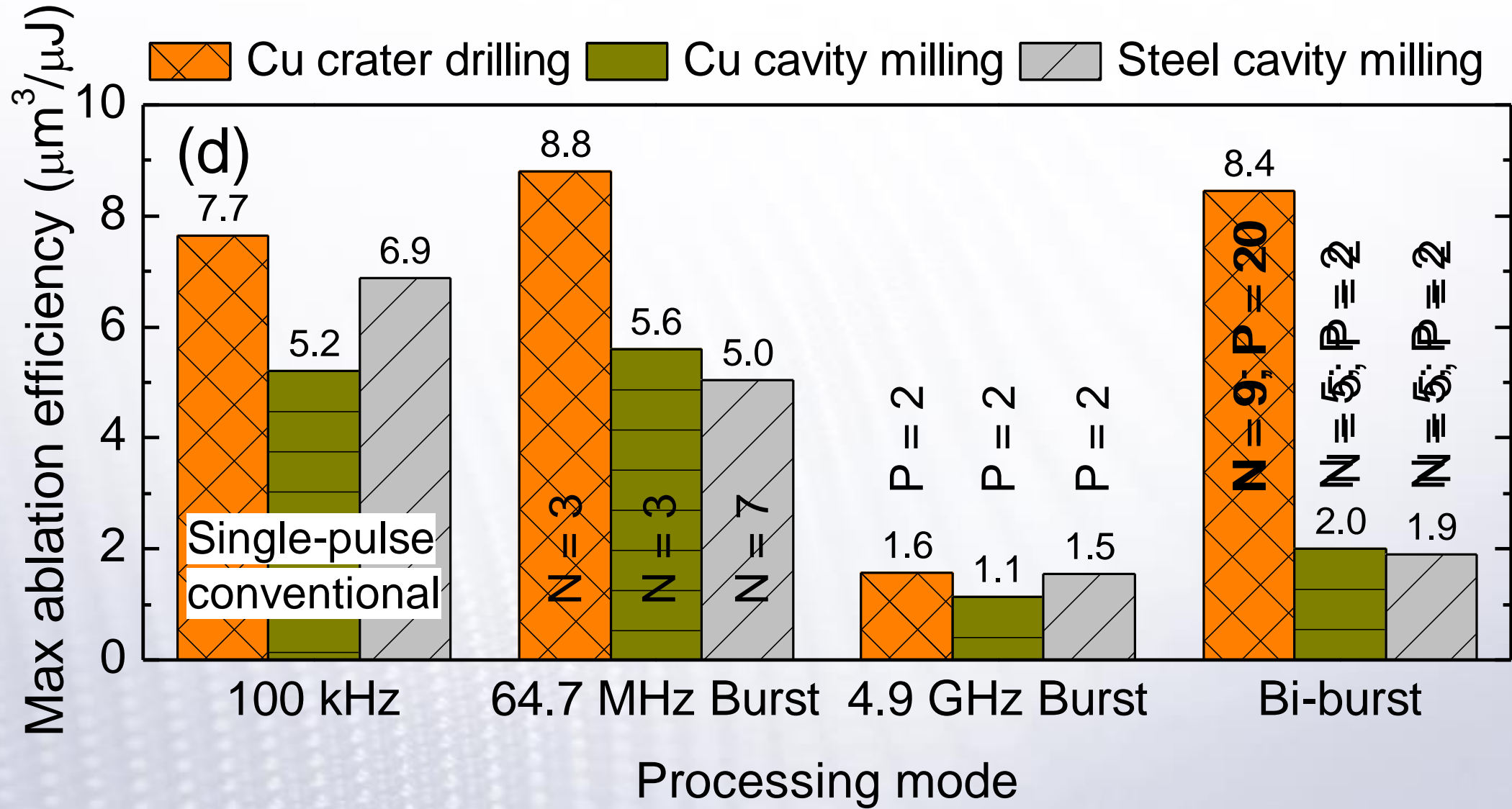
$N = 2, \dots, 9$

$P = 2, \dots, 25$

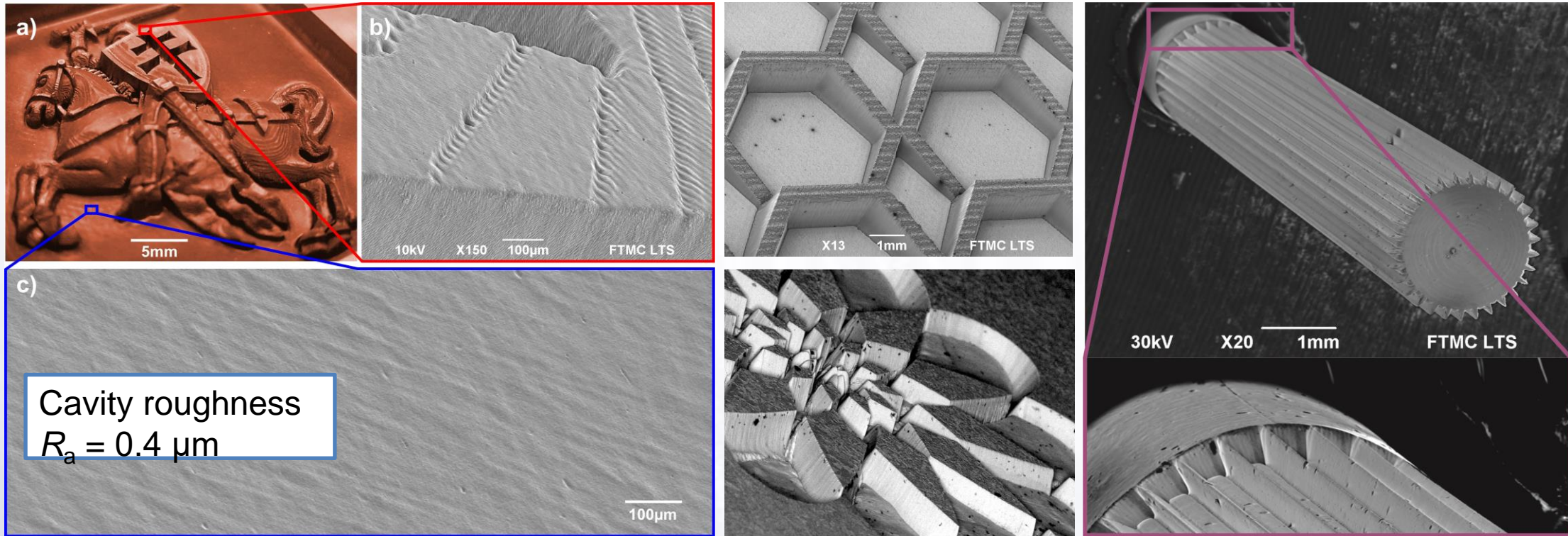
All N and P







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Laser microfabrication Lab www.lts-ftmc.it/en/

Thank you & Questions ?