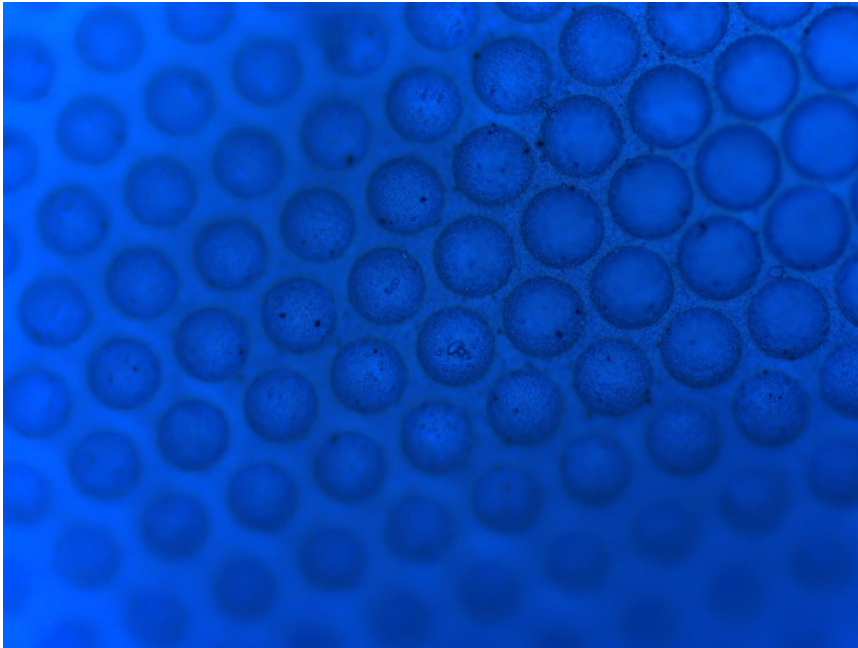


Targets for Laser Plasma Physics

Peter Hilz

Ulrich Friebe, Hans Meier, Dagmar Frischke , Wenjun Ma,
Christian Kreuzer, Jerzy Szervpo, Jörg Schreiber

Summary



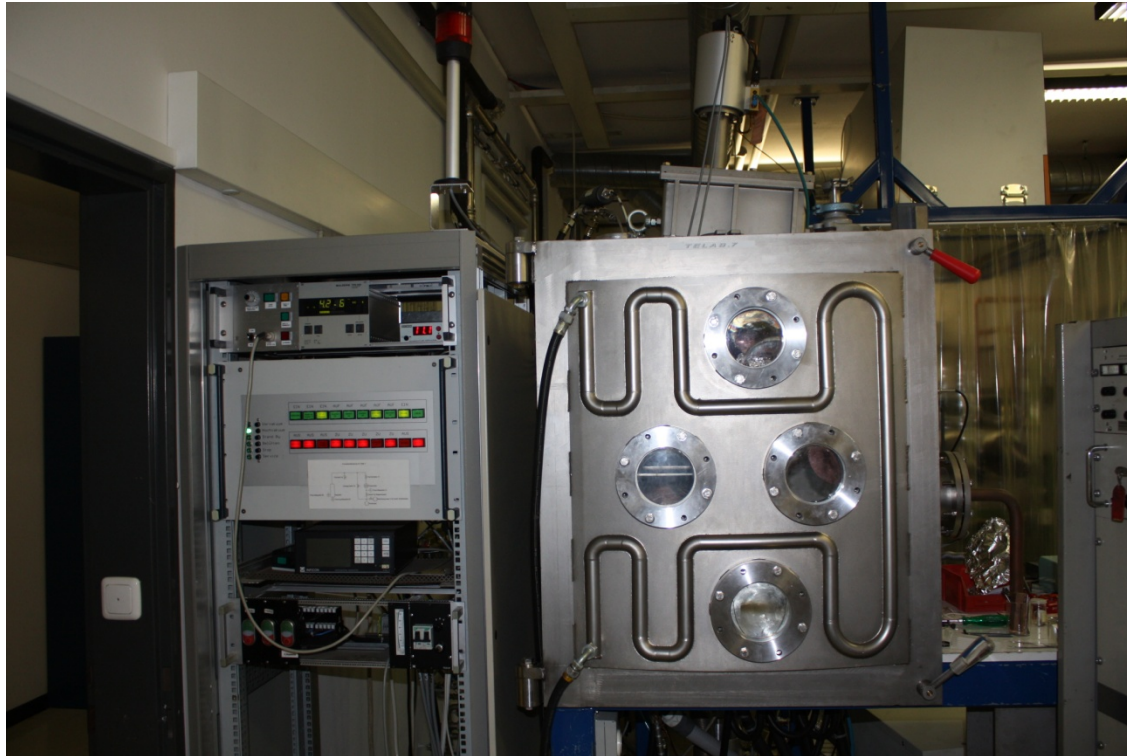
The (small) target lab in Munich

Presence and Future

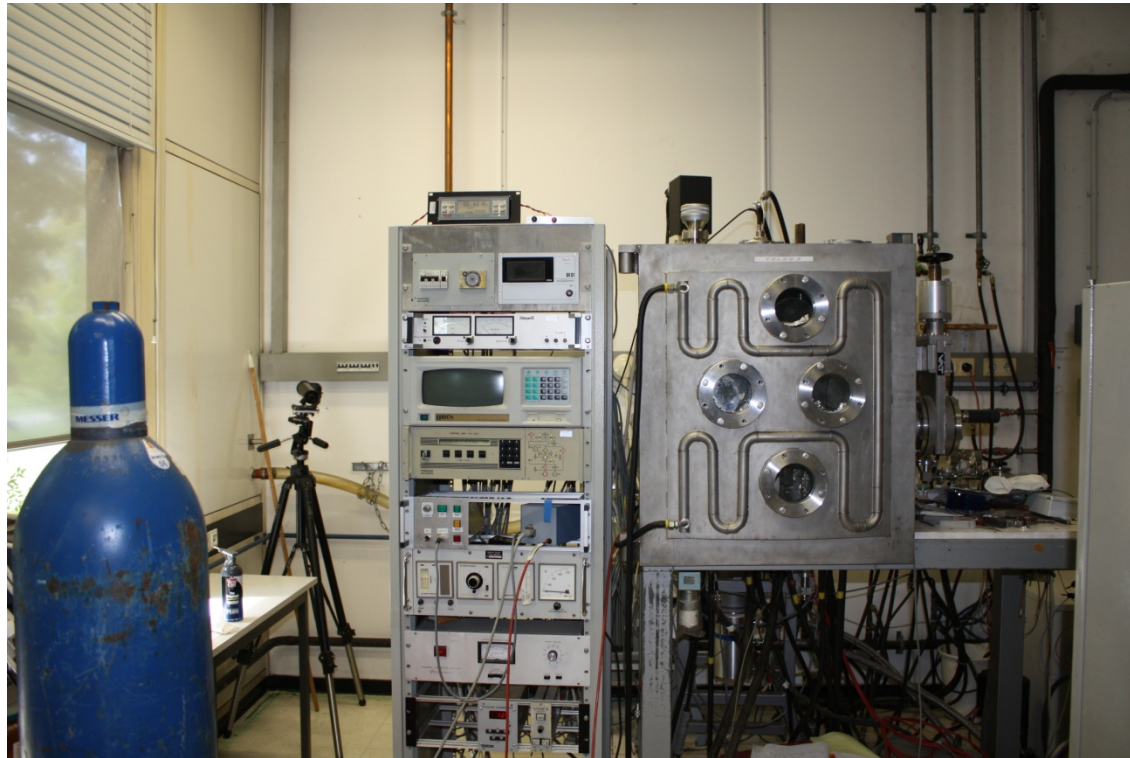
Fokus on DLC

A few words on MLTs

Our Infrastructure



Our Infrastructure



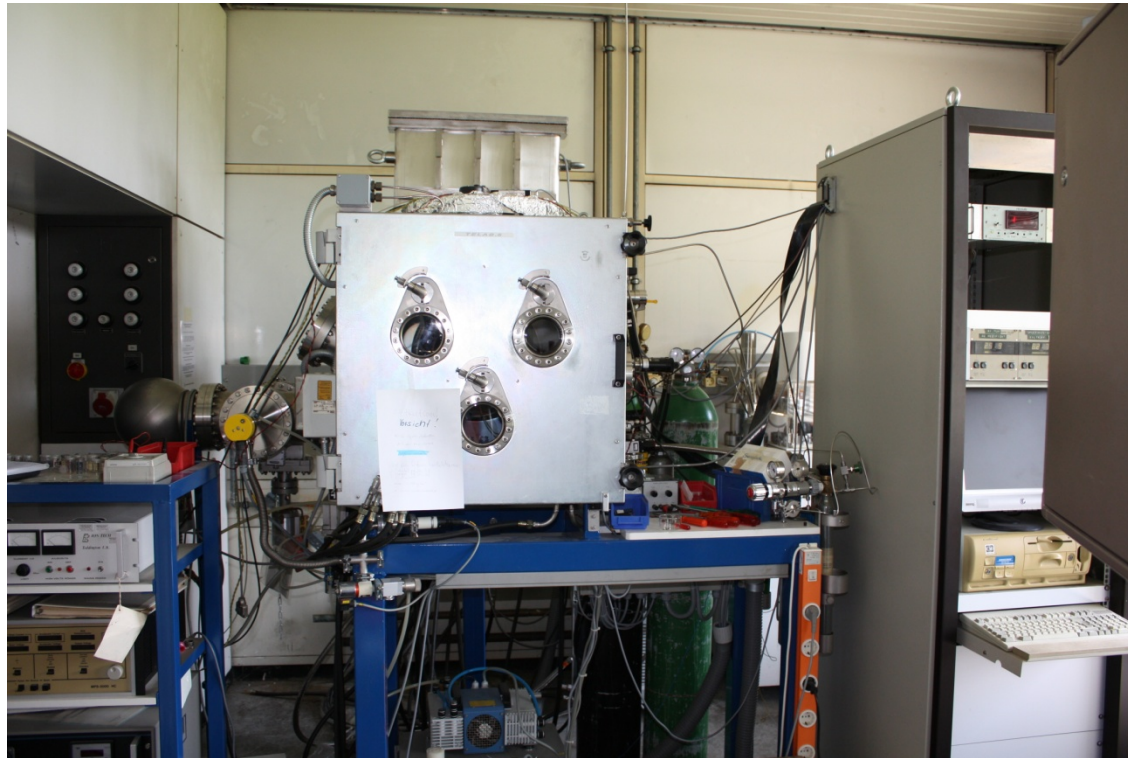
Our Infrastructure



Our Infrastructure



Our Infrastructure



Our Infrastructure



Our Infrastructure

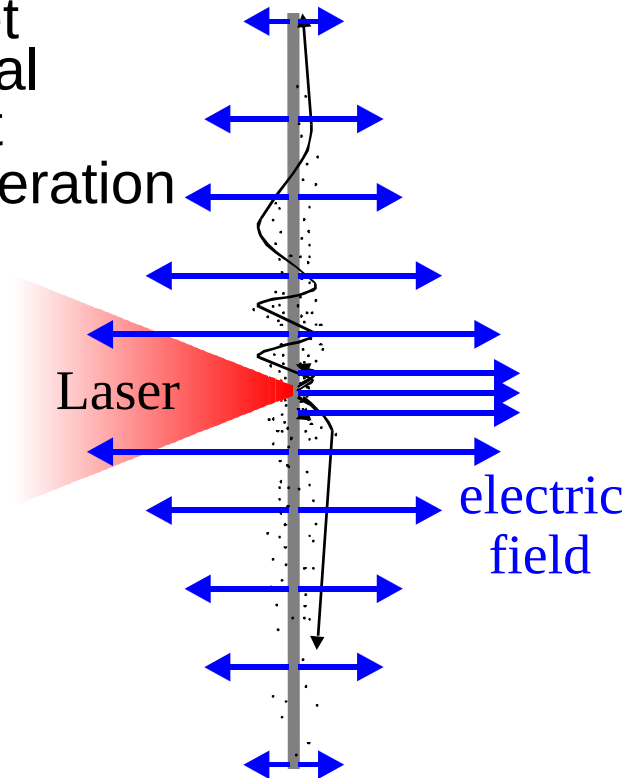


Our Infrastructure

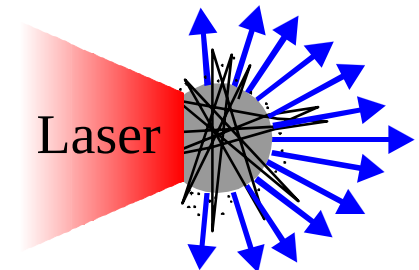


$$n_e > n_c$$

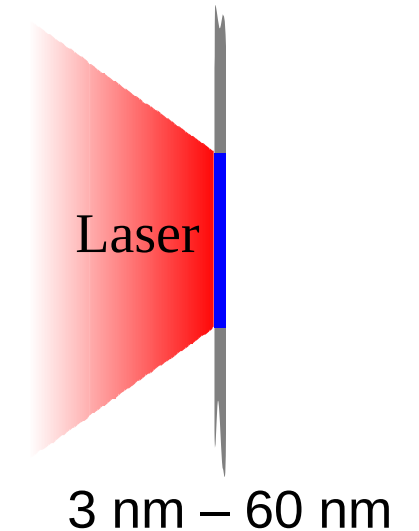
Target
Normal
Sheet
Acceleration



Mass
Limited
Targets



Radiation
Pressure
Acceleration



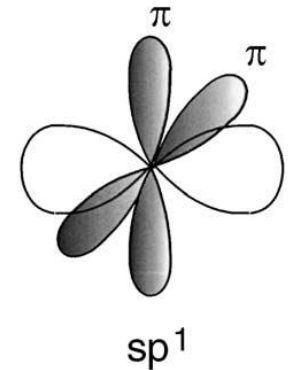
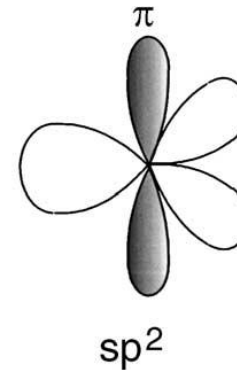
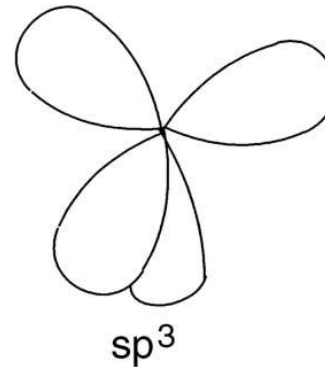
DLC

High optical transparency and high
damage threshold

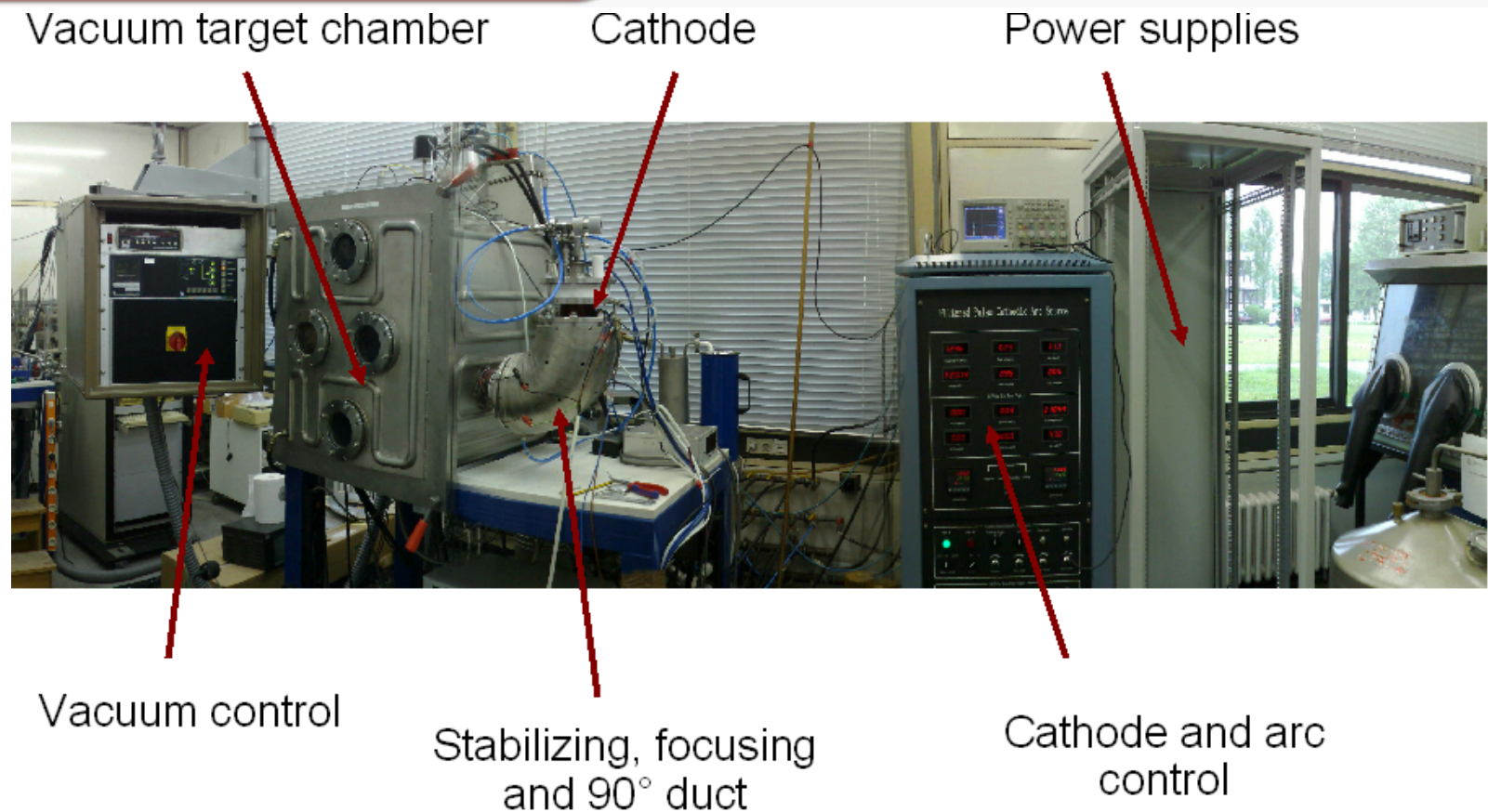
Mechanical hardness

Mechanical hardness

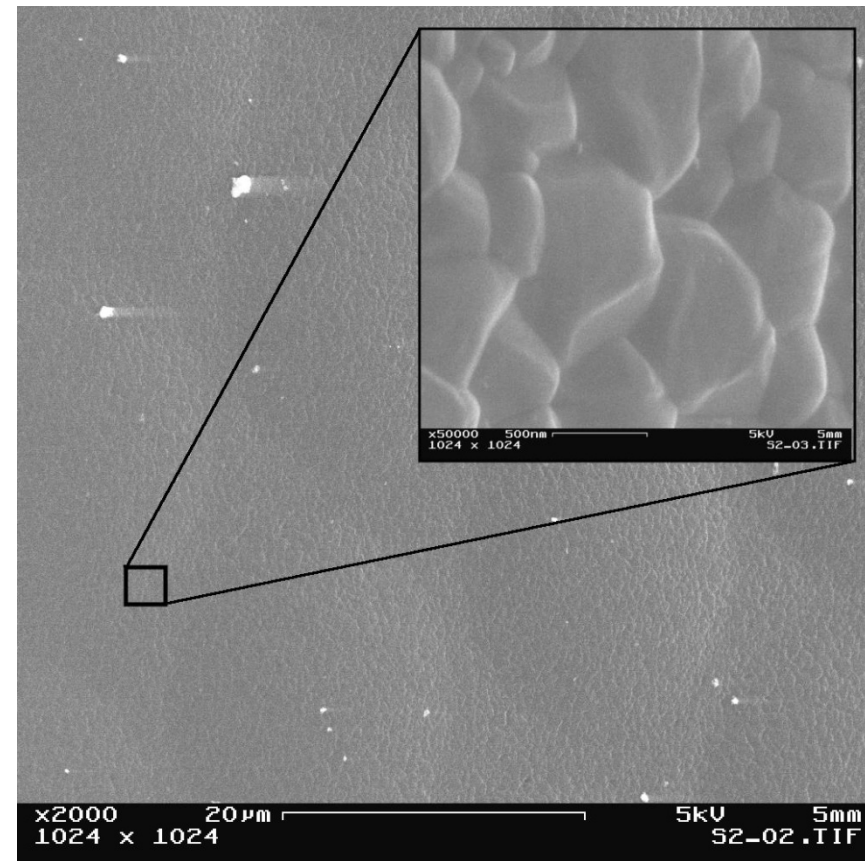
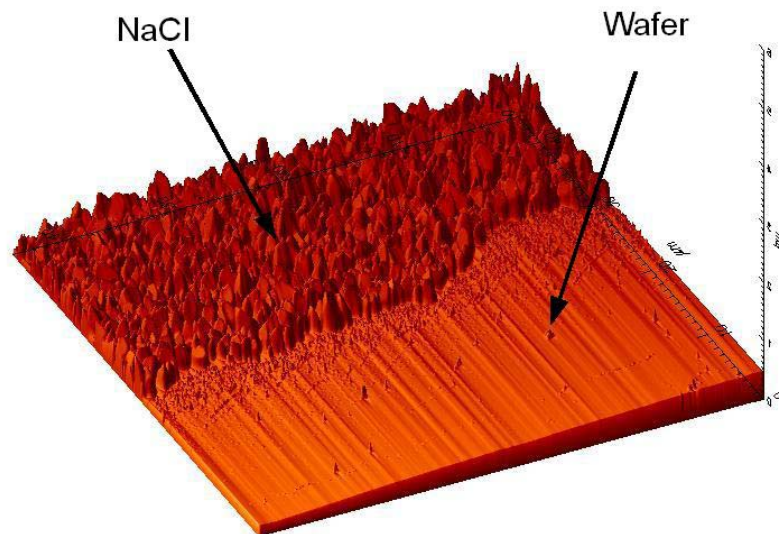
High optical transparency and high
damage threshold



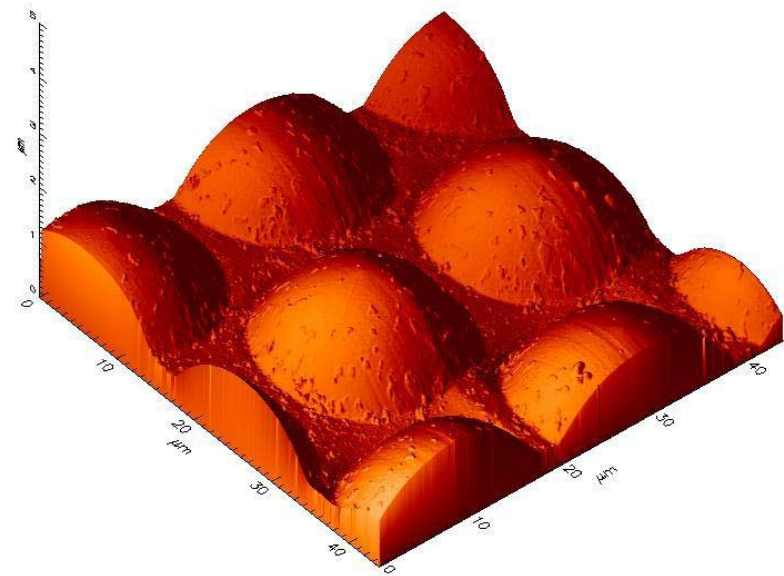
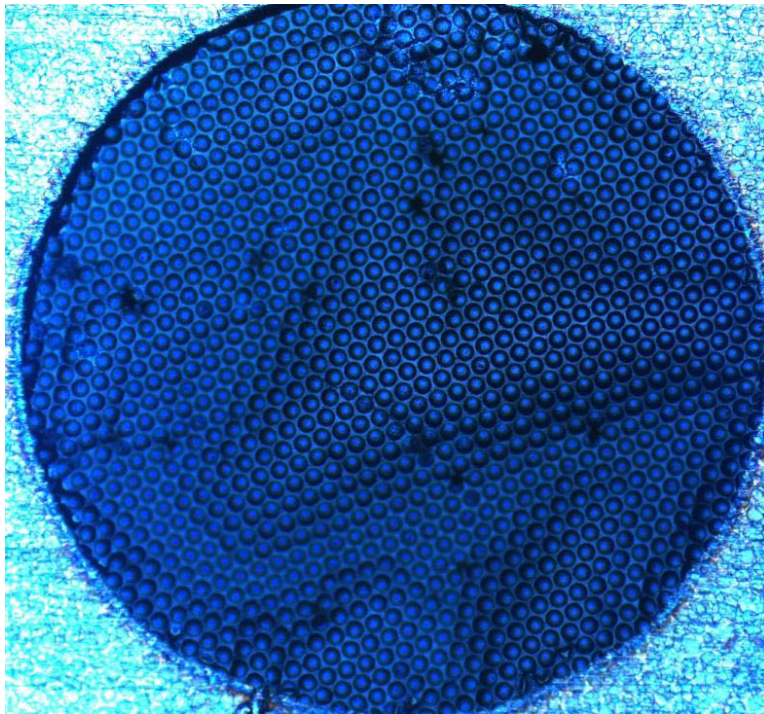
Production of DLC



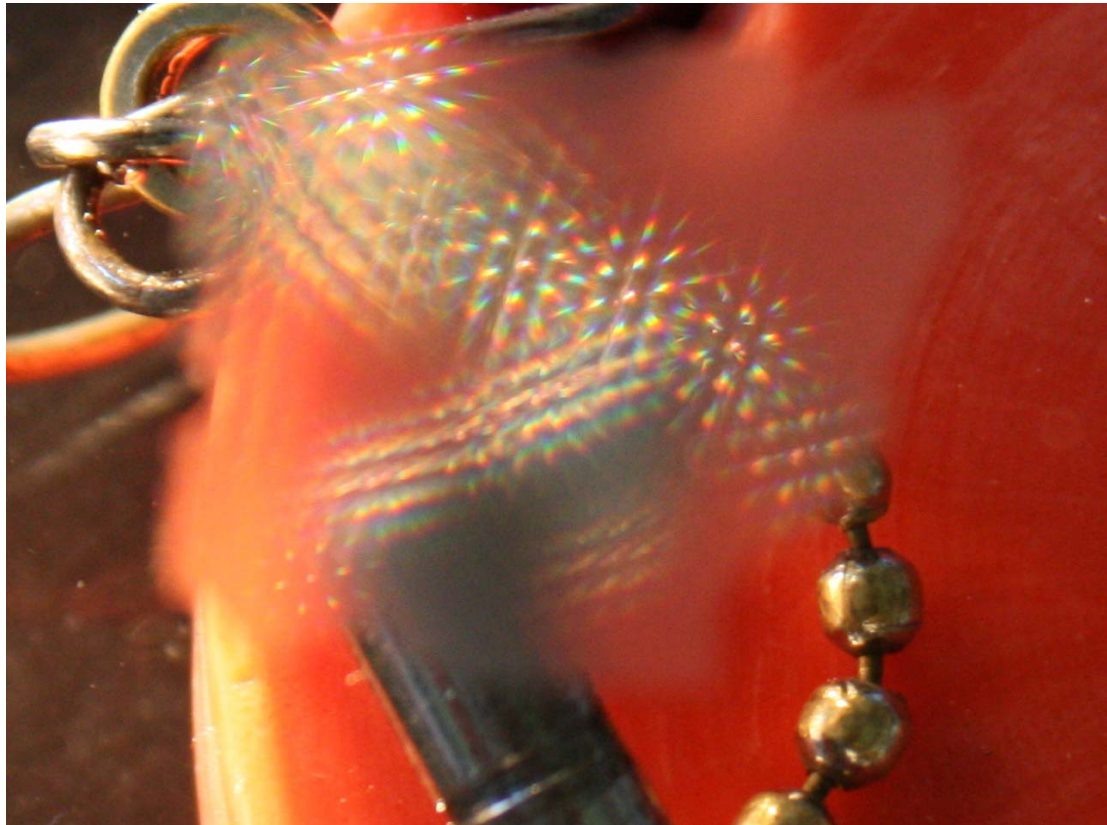
Release Agent



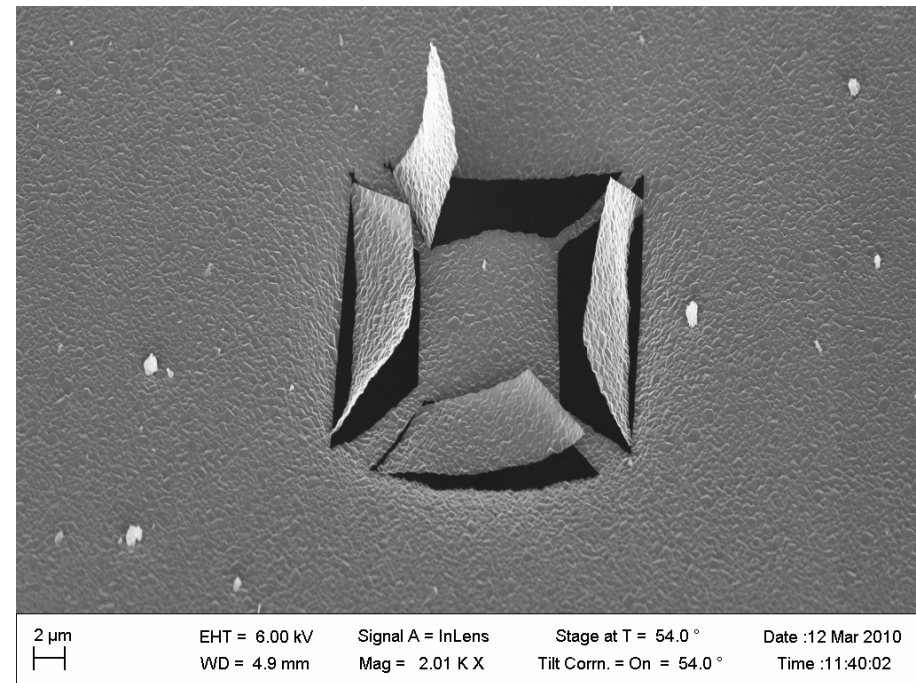
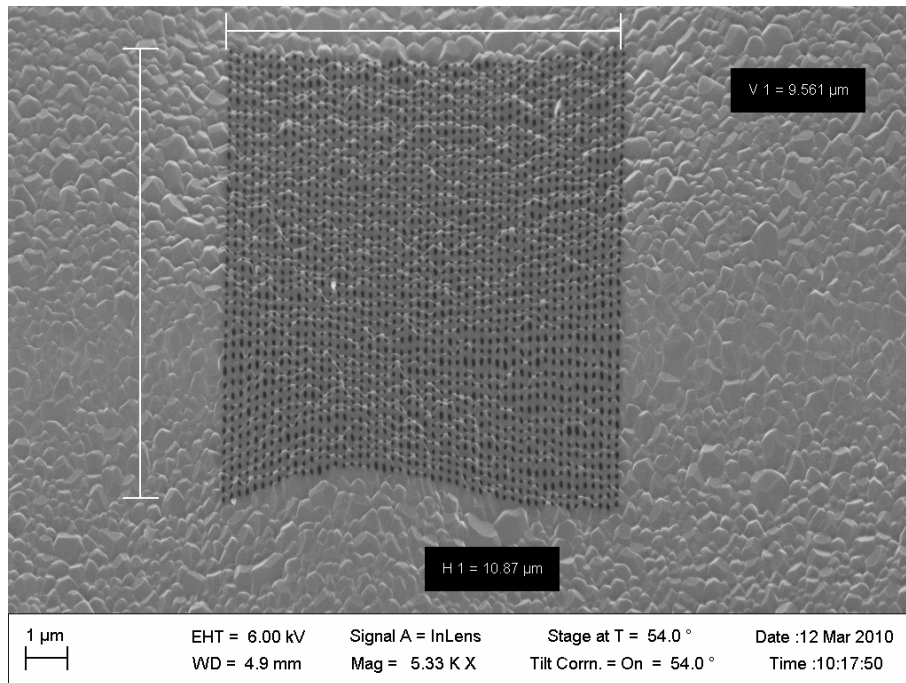
First Shaped DLC Foils



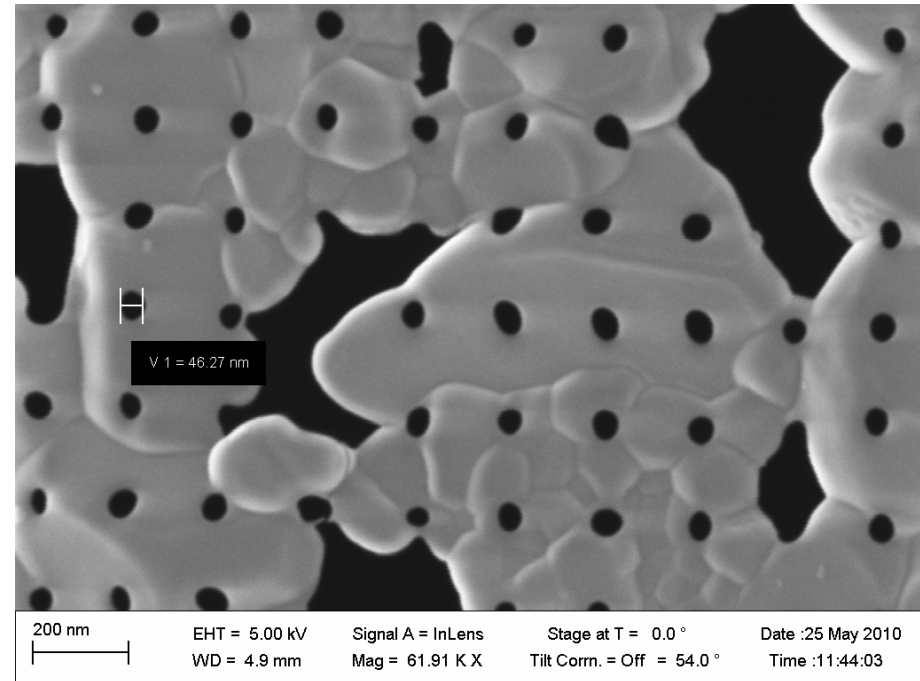
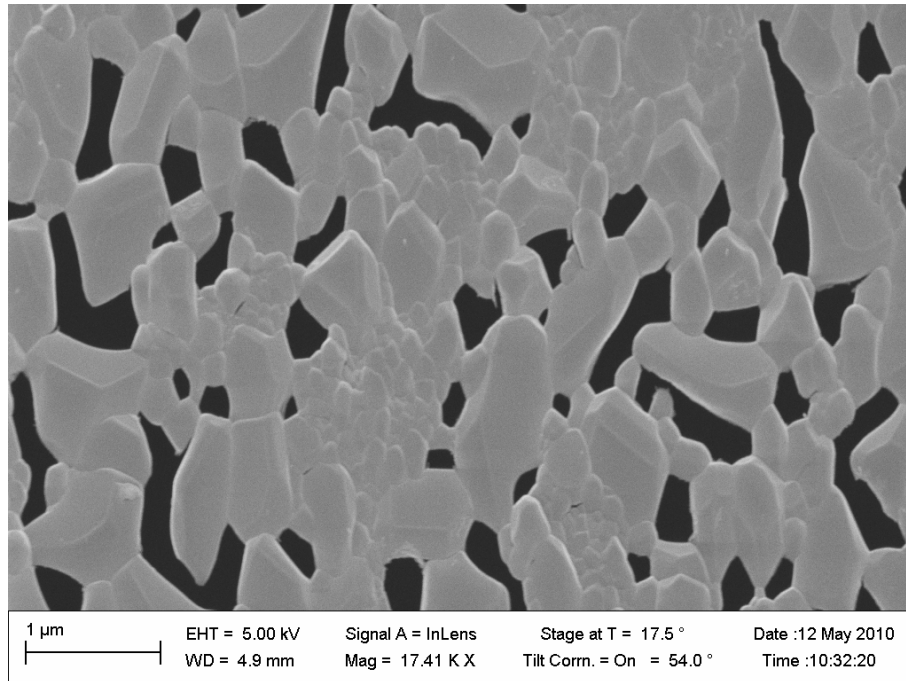
Floated DLC Foil



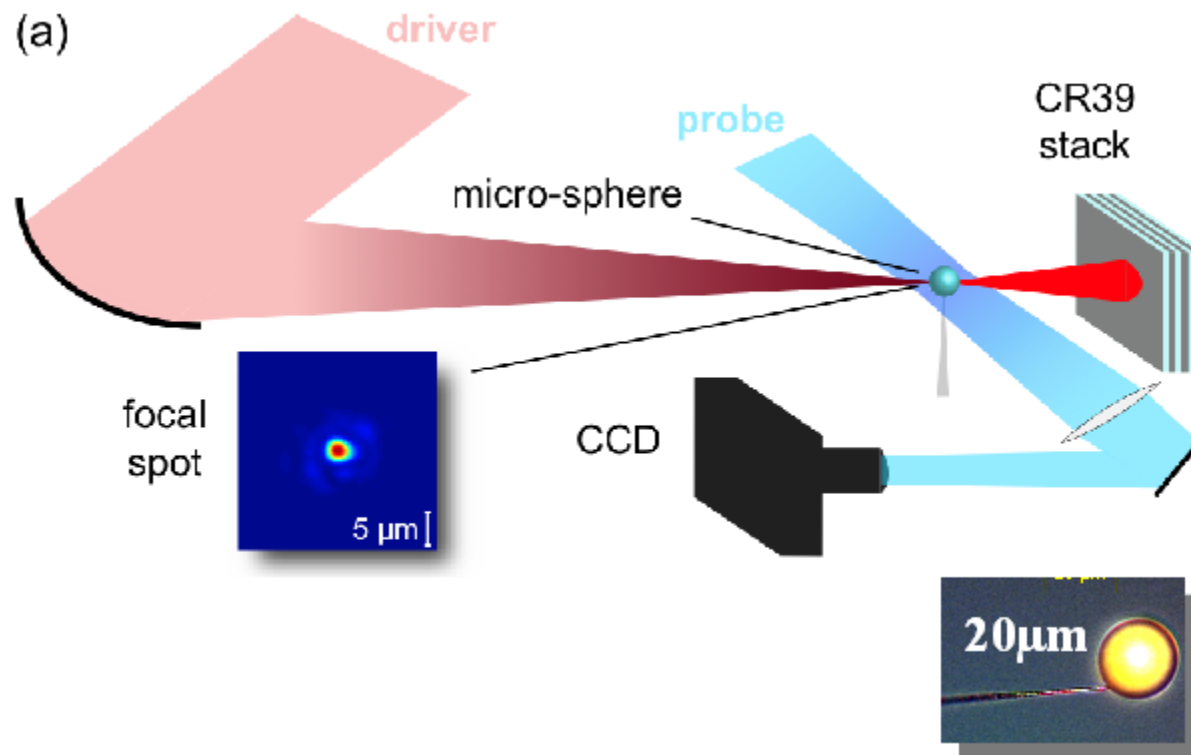
What we do with DLC



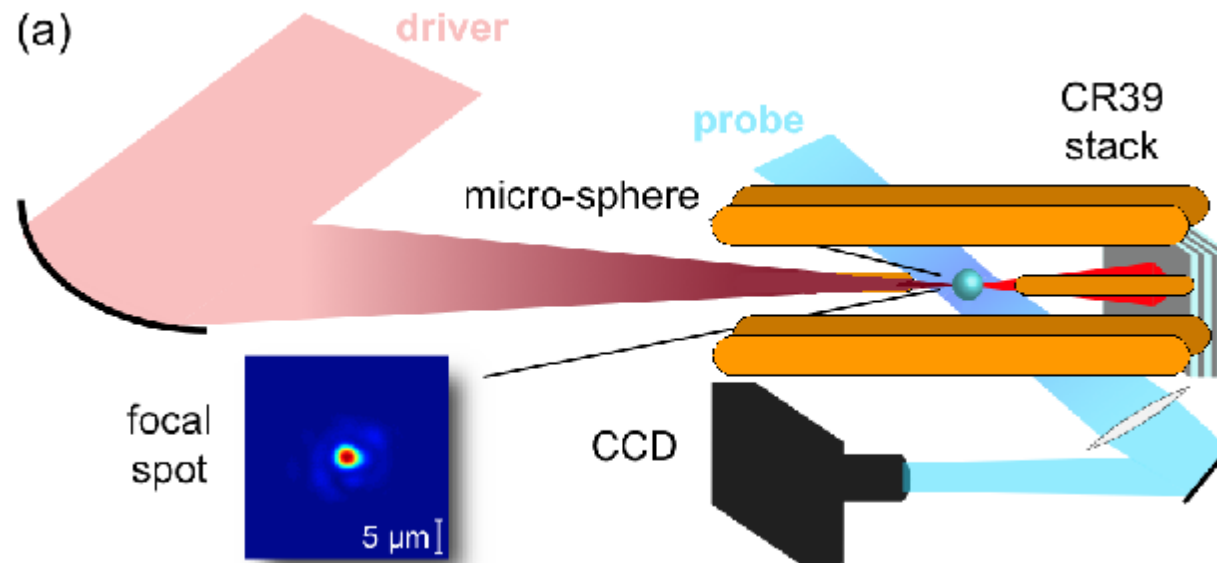
What we do with DLC



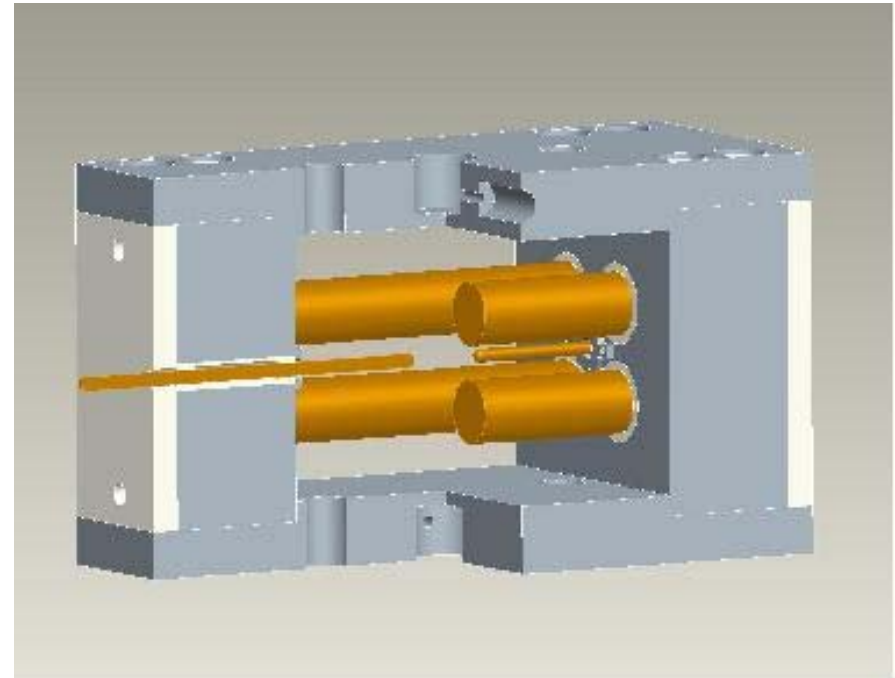
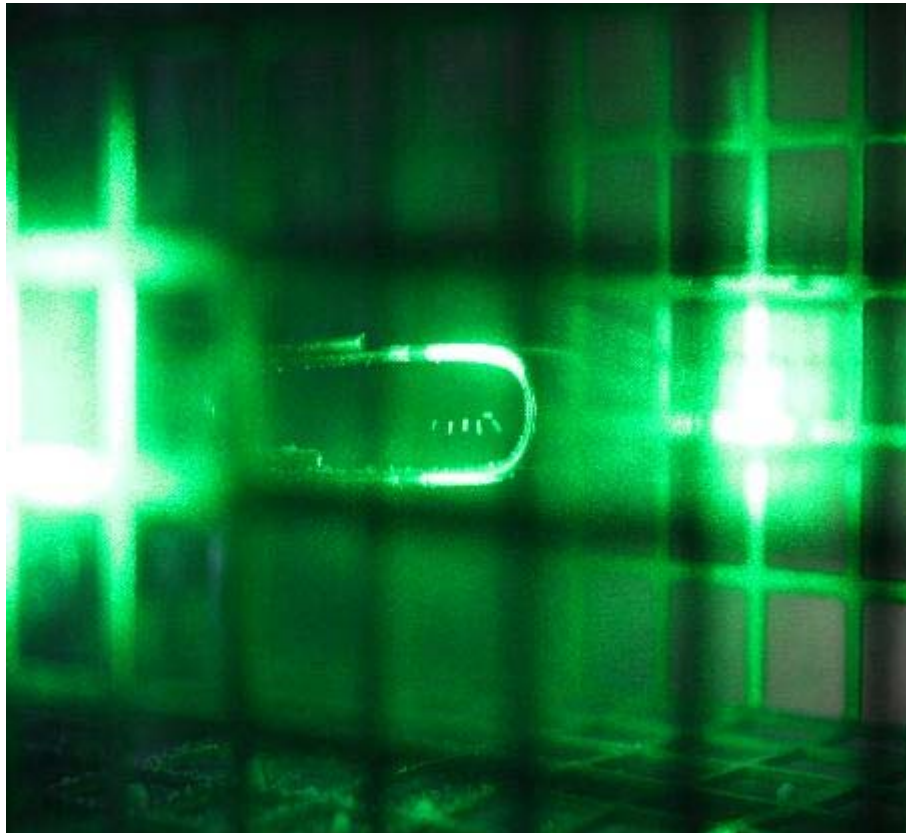
MLT



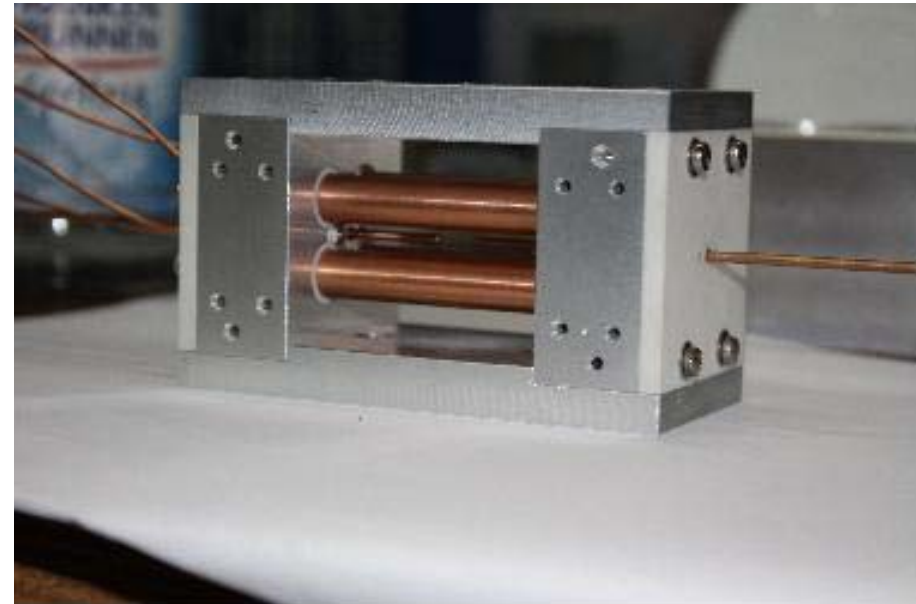
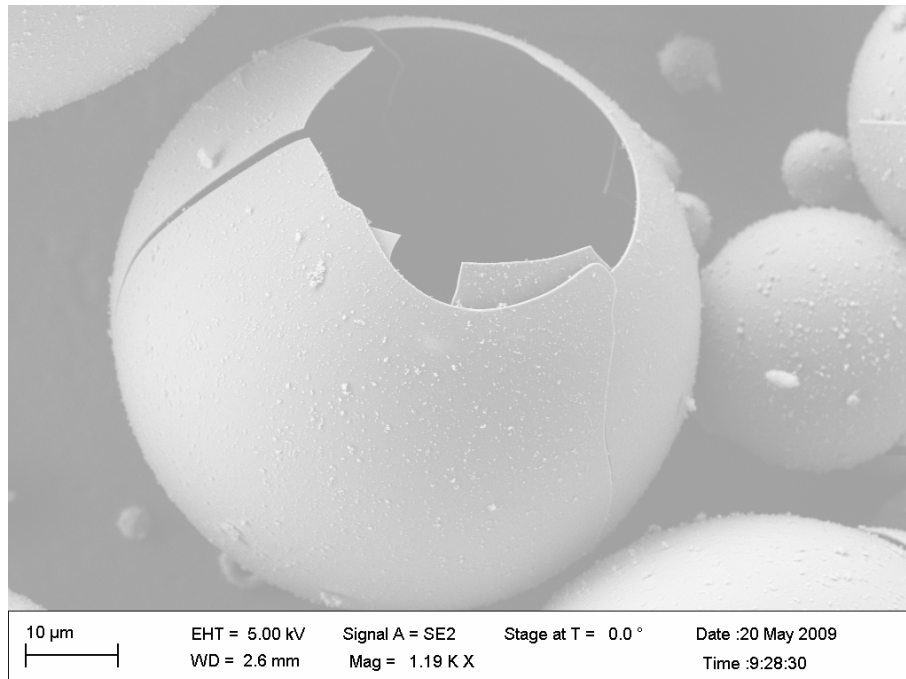
MLT



MLT



MLT



Future

New Cleanroom

New DLC machine

Foams

Funny other stuffplanned

Tank you for your attention!