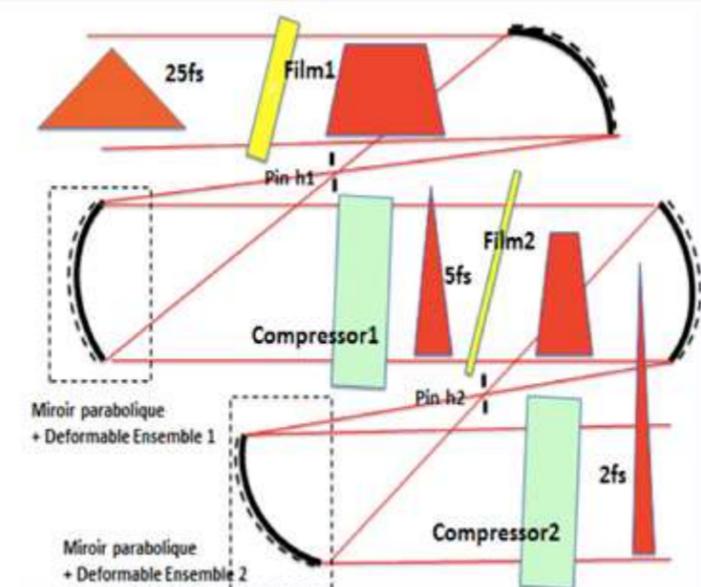
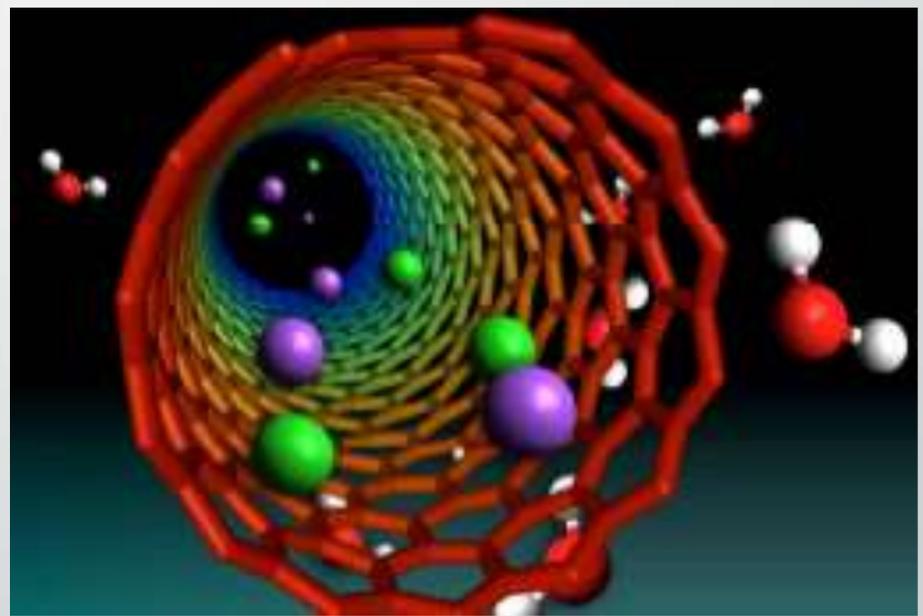
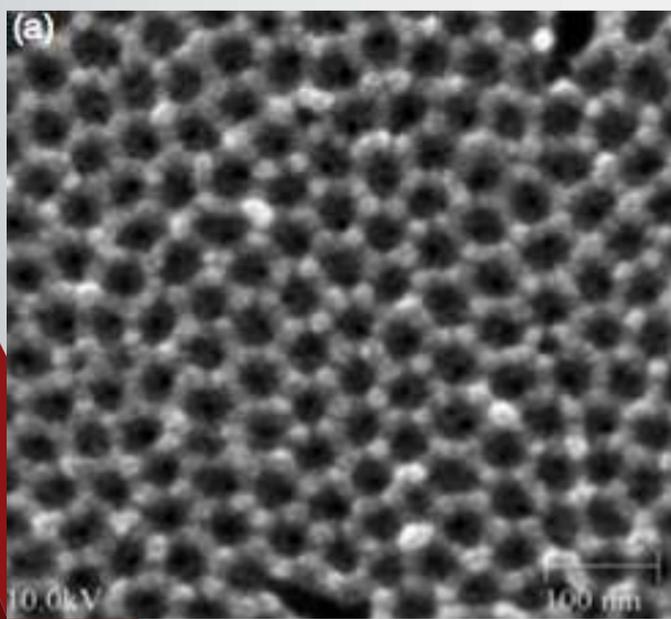


Fermilab, June 24-26, 2019

Workshop on Beam Acceleration in Crystals and Nanostructures

<https://indico.fnal.gov/event/19478/>

Organized by T. Tajima (UCI) and V. Shiltsev (FNAL)
Proceedings Editors: G. Mourou, V. Shiltsev, T. Tajima
Endorsed by: APS GPAP, APS DPB, ICFA ANA, ICUIL



The concept of beam acceleration in solid-state plasma of crystals or nanostructures like CNTs has the promise of ultra-high accelerating gradients $O(1-10)$ TeV/m, continuous focusing and small emittances of, e.g., muon beams and, thus, may be of interest for future high energy physics colliders. The main objective of the Workshop is to assess the progress of the concept over the past two decades and discuss the key issues toward proof-of-principle demonstration and next steps in theory, modeling and experiment.