



Dynamical properties of water confined in nanoporous silica

Poster no.21

CEA/Saclay,
DSM/DRECAM/SCM-URA331 CNRS

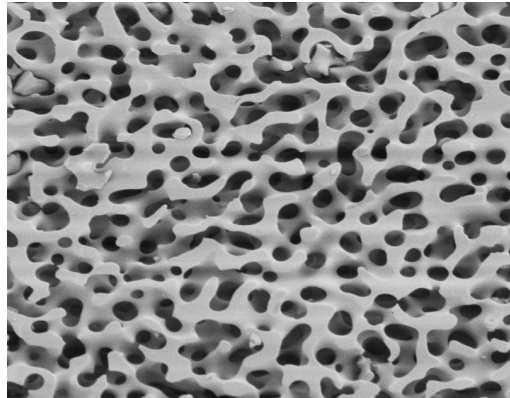
R. Musat
S. LeCaer,
J.P. Renault,
S. Pommeret

University of Florence

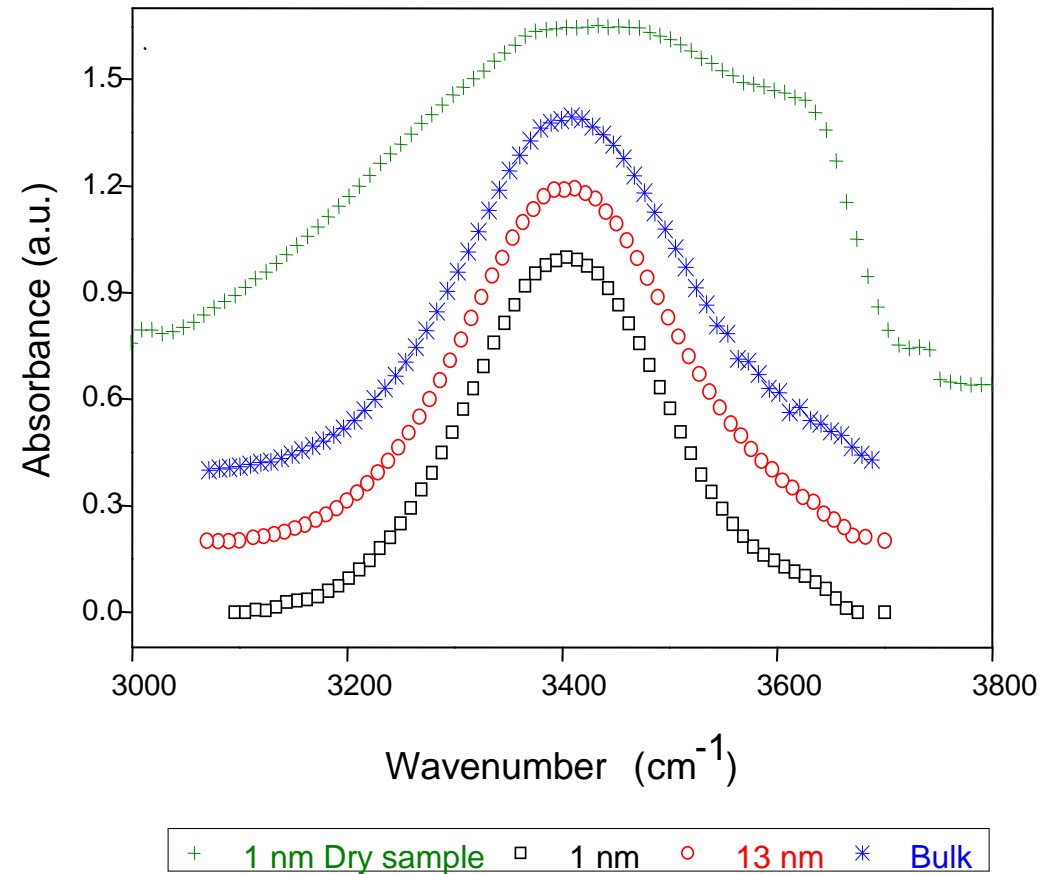
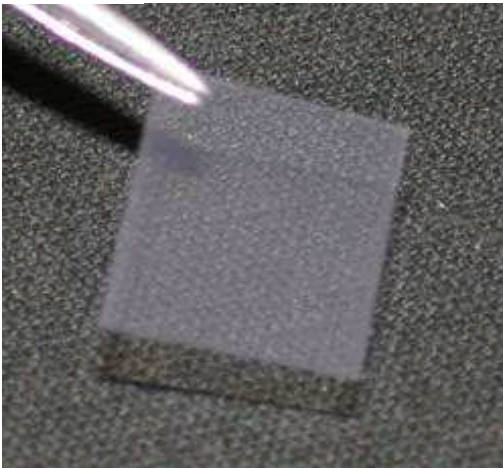
R Righini,
D.J. Palmer,
M. Candelaresi

Confining system. Steady state absorption

cea



1 μm

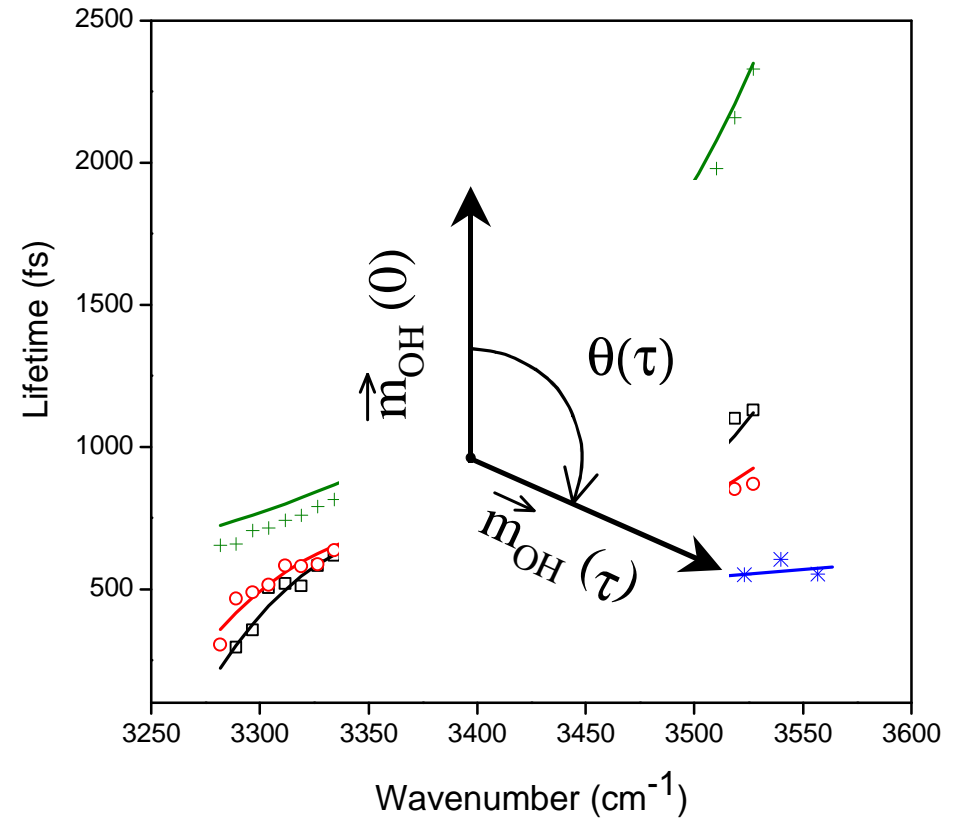
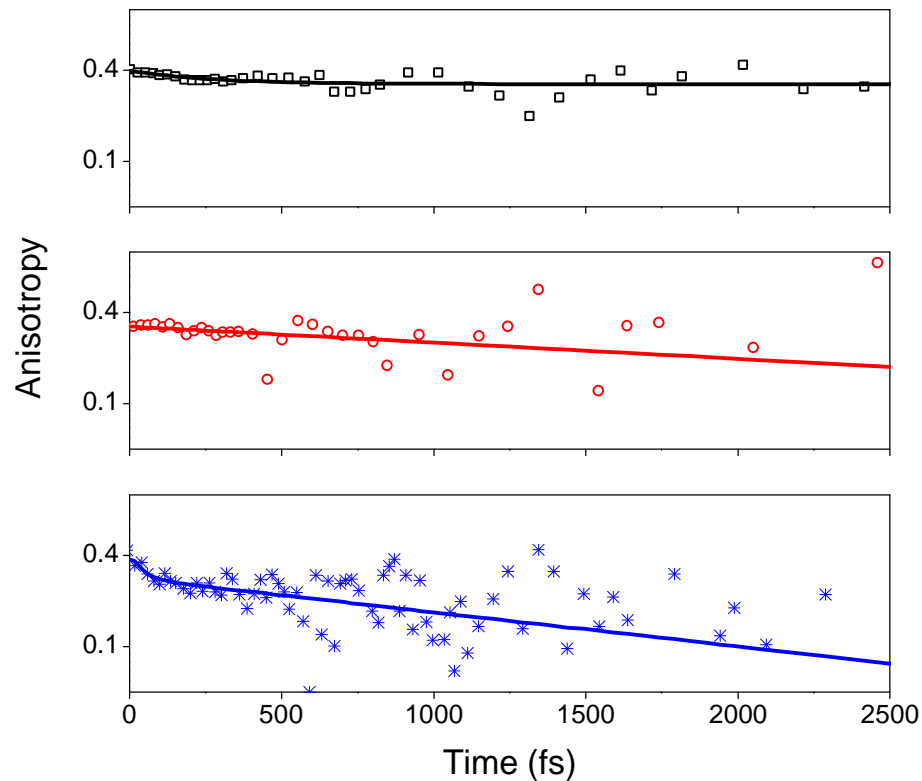


OH vibrator lifetime and rotational dynamics



Expected pore size dependence

Unexpected pore size dependence



+ 1 nm Dry sample □ 1 nm hydrated sample ○ 13 nm hydrated sample * Bulk