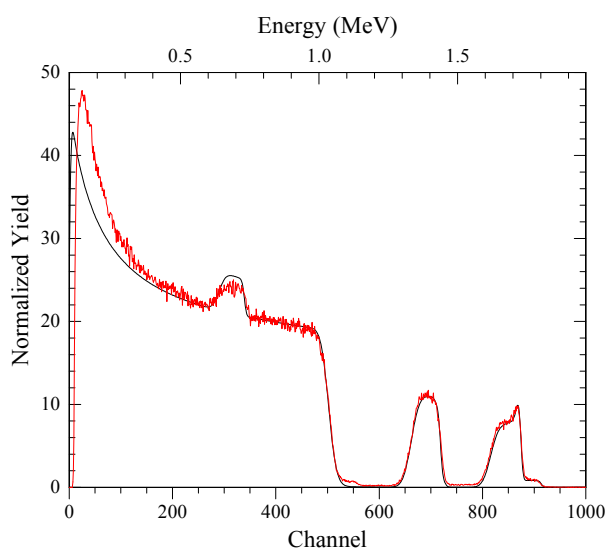


Supporting information

RBS spectra of 1%Eu³⁺ doped mesoporous TiO₂ after silver deposition. Spectra obtained with a 2.0 MeV He⁺ beam, 45° tilt angle and 180°scattering angle (: fit ; data)



RBS show an homogeneous distribution of silver nanoparticles on the whole thickness of the film. The concentration values that give the best fit to the experimental data were 0.06 at % Ag, Ti, O. All values agree within experimental error with the nominal composition of the solution. The concentration of silver is slightly more important at the surface of the film.