

# MC13: Materials for gravitational wave detectors

Organisateurs : G. Cagnoli & V. Martinez

**Vendredi 26 août – 8h30- 10h20**

**08 :30 – 09 :00**  
**Multiphonon Effects for Inelastic Scattering in Glasses**  
**INVITÉ**  
**MC13-1**  
N.S. Shcheblanov, M.E. Povarnitsyn, S.R. Elliott, S.N. Taraskin, and A. Lemaître  
*Navier, Ecole des Ponts, Univ Gustave Eiffel, CNRS, Marne-la-Vallée, France.*  
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**09 :00 - 09 :30**  
**Short range atomic structure in amorphous oxides for low mechanical loss optical coatings**  
**INVITÉE**  
**MC13-2**  
A. Trapananti, L. Silenzi, F. Travasso, G. Aquilanti, A. Di Cicco, M. Minicucci, P. Sassi, A. Di Michele, S. Corezzi, H. Vocca, M. Granata, L. Pinard, C. Michel, G. Cagnoli and V. Martinez  
*School of Science and Technology - Physics Division, University of Camerino, Italy.*  
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**09:30 - 09:45**  
**Deposition and characterization of nanolayering for optical metrology**  
**MC13-3**  
/ V. Granata, M. Magnozzi, O. Durante, J. Neilson, C. Di Giorgio, R. Fittipaldi, R. De Simone, V. Fiumara, F. Chiadini, G. Carapella, M. Canepa, V. Pierro, F. Bobba, A. Vecchione, R. De Salvo and I. M. Pinto  
*Dipartimento di Fisica, Università di Salerno, Italy. vgranata@unisa.it*

**09:45 – 10 :00**  
**Spectral filtering effect in Raman scattering on thin films**  
**MC13-4**  
P. Dabadie, L. Silenzi, V. Martinez, J. Margueritat, D. Hofman, M. Granata, C. Michel, L. Pinard and G. Cagnoli  
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**10 :00 - 10:15**  
**Impact of growth parameters of sapphire crystals on their 1064 nm optical absorption**  
**MC13-3**  
/ T. Aventin, D. Forest, A. Nehari, J. Degallaix, G. Cagnoli and K. Lebbou  
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**10h20-10h40 Coffee break**