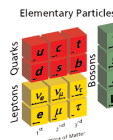
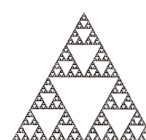
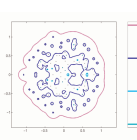
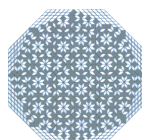
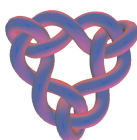
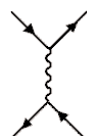
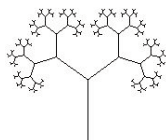


# NONCOMMUTATIVE GEOMETRY IN MATHEMATICS AND PHYSICS

GÉOMÉTRIE NON COMMUTATIVE EN MATHÉMATIQUES ET PHYSIQUE

RESIDENTIAL SESSION AT CIRM, JANUARY 26th - FEBRUARY 20th 2004



Participants will probably include:

Anton ALEKSEEV, Claire ANANTHARAMAN, Jean BELLISSARD,  
 Philippe BIANE, Dietmar BISCH, Alain CONNES,  
 Joachim CUNTZ, Michel DUBOIS-VIOLETTE, Edward EFFROS,  
 George ELLIOTT, Giovanni FELDER, Ed FRENKEL,  
 Jürg FRÖHLICH, Damien GABORIAU, Alice GUIONNET,  
 Uffe HAAGERUP, Nigel HIGSON, Masaki IZUMI,  
 Vaughan JONES, Pierre JULG, Eberhard KIRCHBERG,  
 Dirk KREIMER, Vincent LAFFORGUE,  
 Gianni LANDI, Wolfgang LÜCK,  
 Matilde MARCOLLI, Henri MOSCOVICI,  
 Ryszard NEST, Victor NISTOR,  
 Adrian OCNEANU, Narutaka OZAWA, Mihai PIMSNER,  
 Gilles PISIER, Sorin POPA, Ian PUTNAM,  
 Marc RIEFFEL, Mikael RØRDAM, Marc ROSSO,  
 Volker SCHOMERUS, Albert SCHWARZ, Georges SKANDALIS,  
 Dimitri SHLYAKHTENKO, Roland SPEICHER, Boris TSYGAN,  
 Alain VALETTE, Joseph VARILLY, Dan-Virgil VOICULESCU,  
 Hans WENZL, Guliang YU, Jean-Bernard ZUBER.

WEEK 1 : INTRODUCTORY MINICOURSES, January 26th - 30th.

Type II<sub>1</sub> factors · K-theory · Cyclic cohomology · Quantum groups and Hecke algebras · Conformal field theory · Examples and applications in physics

WEEK 2 : VON NEUMANN ALGEBRAS, February 2nd - 6th.

WEEK 3 : K-THEORY AND CYCLIC COHOMOLOGY, February 9th - 13th.

WEEK 4 : NONCOMMUTATIVE GEOMETRY IN PHYSICS, February 16th - 20th.

Centre International de Rencontres Mathématiques (CIRM), Luminy, Marseille. - Organisers: Antony Wassermann (IML) and Thomas Schücker (CPT)  
 For more information on the programme and participation, please consult <http://iml.univ-mrs.fr/~gnc2004>

PLEASE NOTE THAT A LARGE NUMBER OF PLACES ARE AVAILABLE FOR STUDENTS TO ATTEND THE FIRST WEEK OF MINICOURSES.



Conception : É. LOZINGOT (IML)