# Para-quantum strings and Space-Time Non-Commutativity .

**M.A.SERIDI and N.BELALOUI**

*Laboratoire de Physique Mathématique et Subatomique*
*Physics Department, Faculty of Fundamental Sciences,*
*Constantine1 University, Constantine, Algeria*

**ABSTRACT**. We investigate the light cone parabosonic open and closed string theories in a non-commutative space-time for the coordinates and the momentum.This provides distinct trilinear relations between mass-center variables and oscillators modes, that modifies the Virasoro algebra by again two distinct new anomaly terms. A Fock space redefinition makes possible the diagonalisation of the mass operator. Both the massless vectoriel and tensorial states conditions, impose more constraints on the states and then a reduction of the spectrum.