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A. Pantano, A. Paul and **S. A. Salamanca-Riba*** (ssalaman@nmsu.edu), Mathematical Sciences Department, MSC 3MB, New Mexico State University, Las Cruces, NM 88003. *On the omega-regular unitary dual of the Metaplectic group*. Preliminary report.

In this talk we will discuss the unitary representations of the Metaplectic group $G = \text{Mp}(2n, \mathbb{R})$ with infinitesimal character at least as regular as that of the oscillator representation of G . We call these representations omega-regular. These are generalizations of strongly regular representations whose infinitesimal character is at least as regular as that of the trivial representation. We will exhibit a list of representations which conjecturally classify these representations. We indicate how this conjecture is true for the case rank = 2 and 3 and how some parts of the argument are true for general rank. (Received September 19, 2007)