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Susana A. Salamanca-Riba* (ssalaman@nmsu.edu), **Pantano Alessandra** and **Annegret Paul**. *Some unitary representations of the metaplectic group*. Preliminary report.

In this lecture we will present a construction of unitary representations of $Mp(2n)$ and show they parametrize a subset of the unitary dual with some regularity condition of the infinitesimal character and give an idea of similar constructions for other split groups. (Received March 08, 2011)