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**Title:** Covers and L-packets: the case of  $Sp(4, Q_p)$

**Abstract:** Using  $Sp(4)$  as an example, we will describe a strategy to make explicit the local Langlands correspondence for symplectic groups over p-adic fields. The method combines the theory of types and covers of Bushnell and Kutzko, in which we study parabolic induction by means of modules over suitable Hecke algebras, and results of Mœglin and Tadić relating Langlands parameters to points of reducibility of parabolically induced representations. This is a part of a joint work with Guy Henniart and Shaun Stevens.

<http://seminarioaritméticaygeometría.wordpress.com>

