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**Omer Offen\*** ([offen@brandeis.edu](mailto:offen@brandeis.edu)). *An explicit Plancherel formula for the space of  $p$ -adic alternating matrices.*

In this talk we explicate the Plancherel formula and consequently the spectral decomposition of the space of non-degenerate alternating matrices in  $2n$  variables over a  $p$ -adic field in terms of that of the general linear group in  $n$  variables. This is joint work with Erez Lapid. It is based on some recent new ideas of Raphael Beuzart-Plessis. (Received January 22, 2020)