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**Nestor D Guillen\*** ([nguillen@math.umass.edu](mailto:nguillen@math.umass.edu)), Amherst, MA. *Coupling Levy measures and comparison principles for viscosity solutions.*

We prove a new comparison result for viscosity solutions of integro-differential equations. The operators to which the method applies include but are not limited to those of Levy-Ito type. The main idea is using an optimal transport plan between Levy measures, the resulting coupling them being used in a doubling of variables argument. (Received February 18, 2018)