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**Sara Chari\*** (schari@bates.edu), ME , and **Angelica Babei**. *Metacommutation and ideals of prime norm in locally Eichler orders*. Preliminary report.

We study the metacommutation problem in locally Eichler orders. We first give a description of the set of principal left ideals of a given prime reduced norm and relate this set to the analogous set for each of the two maximal orders containing the given Eichler order. We then study the permutation of this set that arises from metacommutation and extend results on the cycle structure of this permutation to locally Eichler orders. (Received September 17, 2019)