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**Alice H Mark\*** ([alice.h.mark@vanderbilt.edu](mailto:alice.h.mark@vanderbilt.edu)). *Presentations for Cusped Arithmetic Hyperbolic Lattices II.*

This is joint work with Julien Paupert, who will talk about a different piece of this same project.

We present a general method to compute a presentation for any cusped hyperbolic lattice  $\Gamma$ , applying a classical result of Macbeath to a suitable  $\Gamma$ -invariant horoball cover of the corresponding symmetric space. As applications we compute presentations for the Picard modular groups  $PU(2, 1, \mathcal{O}_d)$  for  $d = 1, 3, 7$  and the quaternionic lattice  $PU(2, 1, \mathcal{H})$  with entries in the Hurwitz integer ring  $\mathbb{H}$ .

I will talk about some computational aspects of the project and the feasibility of applying the method to more lattices. (Received September 03, 2019)