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Alice Mark and **Julien Paupert*** (paupert@asu.edu). *Presentations for cusped arithmetic hyperbolic lattices.*

We present a general method to compute a presentation for any cusped hyperbolic lattice Γ , applying a classical result of Macbeath to a suitable Γ -invariant horoball cover of the corresponding symmetric space. As applications we compute presentations for the Picard modular groups $\mathrm{PU}(2, 1, \mathcal{O}_d)$ for $d= 1,3,7$ and the quaternion hyperbolic lattice $\mathrm{PU}(2, 1, \mathcal{H})$ with entries in the Hurwitz integer ring \mathcal{H} . (Received August 30, 2019)