

1176-51-74

**Asia Ivic Weiss\*** ([weiss@yorku.ca](mailto:weiss@yorku.ca)) and **Antonio Montero**. *Proper locally spherical hypertopes of hyperbolic type.*

Given any irreducible Coxeter group  $C$  of hyperbolic type with non-linear diagram and rank at least 4, whose maximal parabolic subgroups are finite, we construct an infinite family of locally spherical regular hypertopes of hyperbolic type whose Coxeter diagram is the same as that of  $C$ . (Received January 13, 2022)