1176-20-224   **Elizabeth Field**, **Radhika Gupta**, **Rylee Lyman** and **Emily Stark***, estark@wesleyan.edu.
Conformal dimension of certain Bowditch boundaries.

A relatively hyperbolic group pair admits a Bowditch boundary whose homeomorphism type carries algebraic information about the group. For certain relatively hyperbolic groups this boundary further admits a canonical quasi-symmetric structure and has a well-defined conformal dimension. We study a family of Coxeter groups that are hyperbolic relative to virtually abelian subgroups and fit in this framework. We give bounds on the conformal dimension for these groups. Our results imply there are infinitely many quasi-isometry classes within this family. This is joint work with Elizabeth Field, Radhika Gupta, and Rylee Lyman. (Received January 24, 2022)