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Mark Mixer, MA , and **Gabe Cunningham**, MA. *On Prisms of Polytopes*. Preliminary report.

In this talk we consider the prism operation for abstract polytopes. In particular, we will consider the question of when the prism over a polytope has a connection (or monodromy) group that is a string C-group. Our main result settles the question for prisms over rank 3 abstract polytopes. We will also discuss some open problems and conjectures related to this operation in other ranks. (Received January 17, 2022)