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**Benjamin Baker Bruce\*** ([bbruce@math.wisc.edu](mailto:bbruce@math.wisc.edu)), Department of Mathematics, Van Vleck Hall, 480 Lincoln Drive, Madison, WI 53706. *Fourier Restriction to a Hyperbolic Cone.*

We resolve the Fourier restriction problem for a conical surface in  $\mathbb{R}^4$  whose cross sections are hyperbolic paraboloids. Earlier work of S. Lee established an optimal  $L^2$ -based bilinear restriction theorem, as well as the full range of off-scaling linear restriction estimates, for this “hyperbolic cone.” We obtain the remaining scale-invariant estimates by adapting a bilinear-to-linear argument introduced by B. Stovall in the context of restriction to the hyperbolic paraboloid in  $\mathbb{R}^3$ . (Received September 16, 2019)