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Exceptional sets for length under restricted families of projections onto lines in \mathbb{R}^3

I will present the following theorem: If $A \subseteq \mathbb{R}^3$ is a Borel set of Hausdorff dimension $\dim A > 1$, then the orthogonal projection of A onto the line spanned by $(\cos \theta, \sin \theta, 1)$ has positive length for all θ outside a set of Hausdorff dimension at most $\frac{3-\dim A}{2}$.