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Output Coupling Techniques for Intracavity High-Harmonic Generation DYLAN YOST, University of Colorado, THOMAS SCHIBLI, JUN YE, IMRA AMERICA COLLABORATION — Cavity based high-harmonic generation has demonstrated phase-coherent frequency combs in the vacuum ultraviolet spectral domain. One outstanding issue limiting the practicality of such sources has been difficulty in finding suitable methods for coupling harmonic light out of the buildup cavity. We address the results of several novel output coupling methods and discuss the merits of each including coupling efficiency, effect on the cavity finesse and spectral filtering.

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