

Record power transmission of intense 343 nm UV radiation in a single-mode inhibiting coupling hollow-core fiber exceeding 20W of 10-ns pulses

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Thanks to the use of a new-gen UV hollow core fiber, we report here 2 orders of magnitude of gain on the current state of the art, with on a record single-mode delivery of 23.3W (155 μ J) with 89.1% transmission from a 343 nm, 10 ns, 150 kHz laser source.

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