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Prospects for 1 MW arm cavity powers in O5

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LIGO Hanford has achieved 430 kilowatts of resonating laser power prior to observing run four, the highest in any long-baseline interferometer in the world. Achieving this level of power required major upgrades and advanced commissioning techniques. In this presentation we will review the A+ upgrades between O3 and O4, overview the measured resonating power at LIGO Hanford, and discuss the path forward to achieving even higher power in O5 and beyond.

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