


## AFTER IMAGE

The image shows a dark experimental chamber with two vertical steel nozzles extending downwards. A horizontal laser beam, appearing as a bright blue line, passes through the center of the nozzles. A red, glowing cloud of gas is visible at the intersection of the laser beam and the left nozzle. The right nozzle also shows some internal structure and a faint blue glow. The overall scene is illuminated by the laser and the resulting gas emissions.

Steel nozzles in the chamber of an attosecond beamline extend like stalactites into this setup. Physicists focus infrared (IR) 3.5-fs pulses on the left gas nozzle, which excites the neon gas being emitted, giving it a red fluorescence. The right nozzle emits argon, which produces blue fluorescence. The excited gas atoms produce pulses in the ultraviolet (~250 nm) and extreme ultraviolet (8 nm) spectrum.

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