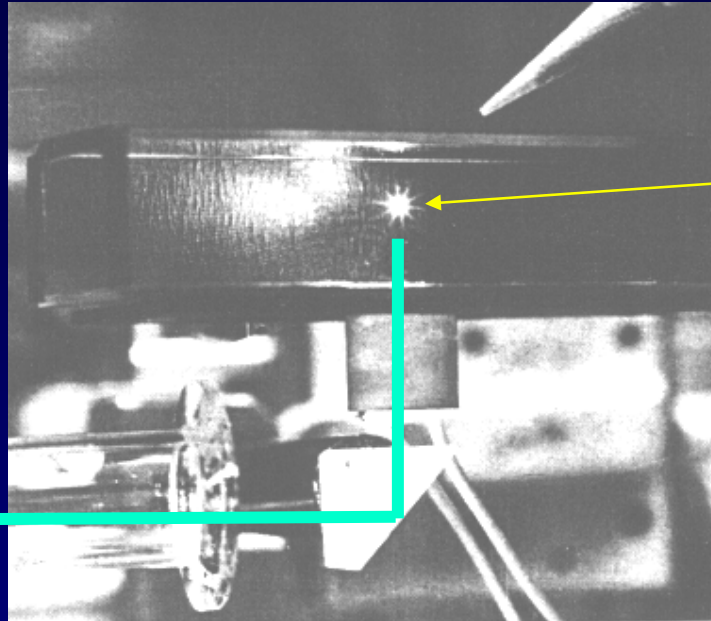# Exercise: Optical "Levitation"

What laser power is required to suspend a glass bead weighing 0.01 g?

Glass bead 'floating' on a laser beam!

(AT&T Bell Labs)

Assume the bead absorbs all the incident light.

Laser

$P = \Delta E / \Delta t = ?$

Answer: 30 kW