



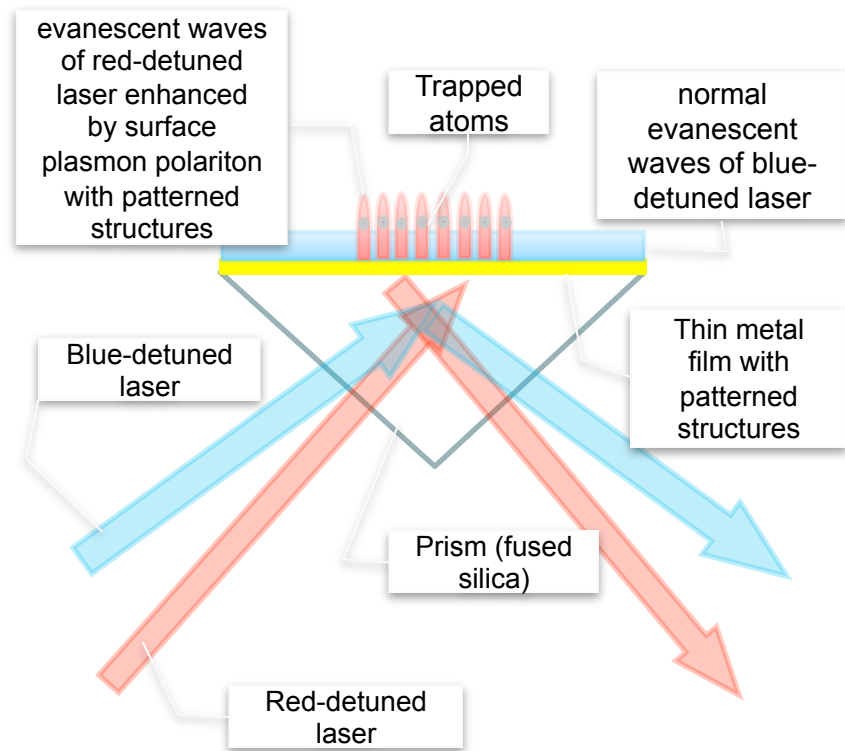
Toward nanoscale quantum simulators



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It remains an outstanding challenge in atom lattice engineering to construct nanoscale arrays of traps, in which the near proximity of one site to the next allows for strong interactions. Such systems can be used as quantum simulators to answer currently intractable problems in condensed matter physics.



Schematic of the proposed nano-scale array trap