MILLIMETER-WAVE SPECTROSCOPY OF COLD RB\textsuperscript{85} ATOMS

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Cold Rb\textsuperscript{85} atoms were prepared by magneto-optical trap. Millimeter-wave has been used to drive nd to (n-2)f (32 \leq n \leq 39) one-photon and nd to (n-1)g (31 \leq n \leq 36) two-photon transitions. Quantum defects of f and g states of Rb\textsuperscript{85} were calculated. Full analyses will be presented.\textsuperscript{a}.

\textsuperscript{a}This work has been supported by Air Force Office of Scientific Research.