

??????, ?????, ?????, ????????????? ???????? (???, 30. IV 1967). ????????? 1992. ? ????????? 1997. ?? ????????? ?? ?????? ????????????? ? ??????? ?? ??????? ?????, ????????? ??????? ??????? ?? ?????? 2005. ????? ????????????????? ????????????? ?? ????????????? ????????? ?? ?????? ??? (???????? ??????? ?? ?????? 1997) ?????a? ?? 2000. ?? ????????? ?????????? ?? ??? ??????????????. ?????? ?? ?? ??? – Massachusetts Institute of Technology 2003, ?? ?? ??????? ?? ????????? ????????? 2007. ????????? ? ????????? ????????? ??????? ?????, ???-???????????? ?????????????, ??????? ??????? ? ??????? ??????????????. ??? ????????????? ????????????? ??: ????? ?? ????????? ??????? ????? ?? ?????? ???-???????????? ????????????? (1998) ??? ?? ??????? ?? ????????? ??????????? ?? ??????? ??????? ?????; ??????? ??????? ????????????? ?????????? ? ????????? ??????? ????? ????????? (1999). ?? ??????????? ?? ??????? ??????????? ?? ??? ????????????????????? ????????????? ????????? ?????? ??? ??????. ??????????? ?? ??????? ?? ????????? ????? ? ????????? ??????? ????????? ????????????? (2000), ??? ?? ? ????????????????????? ??????????. ?????? ????????????????? ?????? ?? ?????????????????: ??? ????????? (2010), ????? ??????? ??? ?? ?????? ??????????? ????????????? ????????????? ???????, ? ??? ????????????? ????????????? ?????????? ??????? ? ?????? ????????????? ??????? ?????; ??? ???????-???????? ?????? – ????????? ????????????????????? (2011), ?? ????????????????????? ?????? ? ????????? ????????????? ????? ????????????? ????????????? ?????? ??? ?? ????????????? ????? ?????????? ?? ? ??????????????. ?? ?????? ?????????? ???. ?????????????? ?????????? ?????????????, ??? ?? ?????? ?????? ?????? ?? ?????? ?? ??????? ?????????? ?????? ?????.

????: ???????, „Degenerate Raman Sideband Cooling of Trapped Cesium Atoms at Very High Atomic Densities", *Phys. Rev. Lett.*, 1998, 81; ???????, „Observation of Low-Field Feshbach Resonances in Collisions of Cesium Atoms," *Phys. Rev. Lett.*, 1999, 82; ? I. D. Leroux, ?. Schleier-Smith, „States of an Ensemble of Two-Level Atoms with Reduced Quantum Uncertainty", *Phys. Rev. Lett.*, 2010, 104; ???????, „Vacuum-Induced Transparency", *Science*, 2011, 333.

???????? ????????? ??????

*????? ?? ????????? ? ?????? II ???? ?????? ????????????????? (2013)