

## **S3-1.7**

# **Dynamics of Atomic-molecular Conversion of Alkali Metal Isotopes at Ultralow Temperatures**

A.P. Zingan and O.F. Vasilieva

*Dniester State University, Tiraspol, Republic of Moldova*

We study the dynamics of atomic-molecular conversion in ultracold gases of lithium isotopes. It is shown that the time evolution of atoms and molecules in the process of stimulated conversion is largely determined by the initial density of particles and the initial phase difference.