

# Atom cooling by VSCPT: Accumulation plus filtering

Kien F.L., Balykin V.I.

Institute for Laser Science, University of Electro-Communications, Tokyo 182, Japan; Department of Physics, University of Hanoi, Hanoi, Viet Nam; Institute for Laser Science, University of Electro-Communications, Tokyo 192, Japan; Institute of Spectroscopy, Russian Academy of Sciences, 142092 Troitzk, Russian Federation

**Abstract:** We study laser cooling by velocity-selective coherent population trapping (VSCPT) in a double-?? scheme with decay beyond the working levels. We show that this additional decay channel filters diffused atoms from trapped ones and provides an ultrasharp atomic momentum distribution. ?? 1999 American Institute of Physics.

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Correspondence Address: Kien, F.L.; Institute for Laser Science, University of Electro-Communications, Tokyo 182, Japan

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Authors with affiliations:

1. Kien, F.L., Institute for Laser Science, University of Electro-Communications, Tokyo 182, Japan, Department of Physics, University of Hanoi, Hanoi, Viet Nam
2. Balykin, V.I., Institute for Laser Science, University of Electro-Communications, Tokyo 192, Japan, Institute of Spectroscopy, Russian Academy of Sciences, 142092 Troitzk, Russian Federation

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