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Cavity Enhanced Laser Cooling of Solids 647 5. Conclusions and outlook In this chapter, we have reviewed various enhancement means of the pump beam to

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Sergei N. Andrianov and Vitaly V. Samartsev "Anti-Stokes regime of laser cooling of solids", Proc. SPIE 4061, IRQO '99: Quantum Optics, 296 (January 14, 2000); doi:10

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Doppler cooling was simultaneously proposed by two groups in 1975, the first being David J. Wineland and Hans Georg Dehmelt Laser Cooling and Trapping.

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has progressed immensely, resulting in physics Nobel prizes in 1997 and 2001, major progress has recently been made in laser cooling of solids.

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