

1. Record Nr.	UNINA9910822076403321
Titolo	Proceedings of the XVIII International Conference [[electronic resource]] : ICOLS 2007 : Telluride, Colorado, USA, 24-29 June 2007 // editors, Leo Hollberg, Jim Bergquist, Mark Kasevich
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, 2008
ISBN	1-281-96095-0 9786611960957 981-281-320-9
Descrizione fisica	1 online resource (xvi, 319 p.) : ill
Altri autori (Persone)	BergquistJames Charles HollbergLeo (Leo William) KasevichMark A
Disciplina	621.36/6
Soggetti	Laser spectroscopy Spectrum analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Formerly CIP.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Probing Vortex Pair Sizes in the Berezinskii-Korsterlitz-Thouless Regime on a Two-Dimensional Lattice of Bose-Einstein Condensates (V Schweikhard et al.); Towards Quantum Magnetism with Ultracold Atoms in Optical Lattices (I Bloch); Quantum Non-Demolition Counting of Photons in a Cavity (S Haroche et al.); Precision-Comb-Assisted Mid-Infrared Spectroscopy (P de Natale et al.); Proton-Electron Mass Ratio (W Ubachs et al.); Quantum Interface between Light and Atomic Ensembles (H Krauter et al.); An Atomic Fermi Gas Near a P-Wave Feshbach Resonance (D S Jin et al.); Stark and Zeeman Deceleration of Neutral Atoms and Molecules (S D Hogan et al.); Wide-Field Cars-Microscopy (C Heinrich et al.); The Quantum Revolution -- Towards a New Generation of Supercomputers (R Blatt); Bose-Einstein Condensates on Magnetic Film Microstructures (M Singh et al.); Ultracold Metastable Helium-4 and Helium-3 Gases (W Vassen et al.); and other papers.
Sommario/riassunto	This volume presents the invited talks comprising the technical program of the 18th International Conference on Laser Spectroscopy,

arranged in topic areas of degenerate quantum gases, quantum information and control, precision measurements, fundamental physics and applications, and ultra-fast control and spectroscopy.
