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Titolo	Local quantum measurement and relativity / / Christian Beck
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Descrizione fisica	1 online resource (XI, 392 p. 47 illus.)
Collana	Fundamental Theories of Physics ; ; Volume 201
Disciplina	530.12
Soggetti	Quantum theory Mathematical physics Physics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction and Outline -- Quantum Measurement -- Local Quantum Measurement I -- Local Quantum Measurement II -- An Active Notion of Localization -- Appendix.
Sommario/riassunto	This book treats various aspects of the quantum theory of measurement, partially in a relativistic framework. Measurement(-like) processes in quantum theory are identified and analysed; and the quantum operator formalism is derived in full generality without postulating operators as observables. Consistency conditions are derived, expressing the requirement of Lorentz-frame independence of outcomes of spacelike separated measurements and implying the impossibility of using quantum nonlocality to send signals faster than light. Local commutativity is scrutinized. The localization problem of relativistic quantum theory is studied, including comprehensive derivation of the theorems of Hegerfeldt, Malament and Reeh-Schlieder. Finally, the quantum formalism is derived from the dynamics of particles with definite positions in Bohmian mechanics.

2. Record Nr.	UNINA9910716427503321
Titolo	Olof Nelson. February 28, 1927. -- Ordered to be printed
Pubbl/distr/stampa	[Washington, D.C.] : , : [U.S. Government Printing Office], , 1927
Descrizione fisica	1 online resource (9 pages) : tables
Collana	Senate report / 69th Congress, 2nd session. Senate ; ; no. 1679 [United States congressional serial set] ; ; [serial no. 8687]
Altri autori (Persone)	MeansRice William <1877-1949> (Republican (CO))
Soggetti	Burglary Claims Postal service - Law and legislation - United States - Criminal provisions Post office buildings Postal service - Equipment and supplies Postal service - Employees Legislative materials.
Lingua di pubblicazione	Inglese
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