1. Record Nr. UNINA9910810094503321 Autore Icke Vincent Titolo Gravity does not exist: a puzzle for the 21st Century / / Vincent Icke [[electronic resource]] Amsterdam:,: Amsterdam University Press,, 2014 Pubbl/distr/stampa **ISBN** 90-485-1705-2 90-485-1704-4 Edizione [1st ed.] Descrizione fisica 1 online resource (109 pages) : digital, PDF file(s) Disciplina 530 **Physics** Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Title from publisher's bibliographic system (viewed on 08 Jan 2021). Front matter -- Contents -- Foreword -- The Process of Measurement Nota di contenuto -- The Process of Progress -- Laws Ain't -- Motion -- Huygens's Relativity -- Acceleration -- Gravity -- Absoluteness Theory -- Gravity Does Not Exist -- Reflections -- Jes' Rollin' Along -- Feynman's Web --A Twist to the Tale -- Questions for the 21st Century -- Small Moves. Ellie -- Thanks Sommario/riassunto Every scientific fact was born as an opinion about the unknown - a hypothesis. Opinion gradually becomes fact as evidence piles up to support a theory. But what if there are two theories, each of which has produced a myriad of things that correspond perfectly to the phenomena but can't be combined into one? One theory replaced the mystery of gravity with a precise model of space and time. The other theory replaced the mystery of matter with a description of quantum particles. As we understand our universe, we keep each in its own domain: space and time for very large things, particles for the very small ones. However, 13.8 billion years ago, those two incompatible domains belonged to a single realm. Who in the current or future generations of physicists will crack this seemingly impossible puzzle? This, contends the author, is not just a big question, but the biggest question in physics in our century. Combining Ickes's first-hand knowledge with a robust argument and intellectual playfulness, this

fascinating book succeeds in making a notoriously difficult subject accessible to all readers interested in a better grasp of our universe.