Record Nr. UNINA9910778621303321 The practicality of pulsed fast neutron transmission spectroscopy for **Titolo** aviation security [[electronic resource] /] / Panel on Assessment of the Practicality of Pulsed Fast Neutron Transmission Spectroscopy for **Aviation Security** Pubbl/distr/stampa Washington, D.C., : National Materials Advisory Board, Commission on Engineering and Technical Systems, National Research Council, 1999 **ISBN** 1-282-08148-9 9786612081484 0-309-51898-9 0-585-19721-0 Descrizione fisica 1 online resource (55 p.) Disciplina 363.28/76 Soggetti Airports - Security measures Aeronautics - Security measures Neutron capture gamma ray spectroscopy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 40-41). Nota di contenuto Front Matterr; Preface; Acknowledgments; Acronyms; Contents; Tables, Figures, and Boxes: Executive Summary: 1 Introduction: 2 Principle of Bulk Explosives Detection; 3 Laboratory Tests of Pulsed Fast Neutron Transmission Spectroscopy; 4 Baseline Characteristics of Explosives-Detection Systems Based on X-ray-Computed Tomography; 5 Tensor Technology Report on the Multidimensional Neutron Radiometer Airline Security System; 6 Comparison of Pulsed Fast Neutron Transmission Spectroscopy and FAA-Certified Explosives-Detection Systems; 7 Conclusions and Recommendations; References Biographical Sketches of Panel Members