

1. Record Nr.	UNISA996466682003316
Titolo	Forward electron ejection in ion collisions : proceedings of a symposium held at the Physics Institute, University of Aarhus, Aarhus, Denmark, June 29-30, 1984 // edited by K.O. Groeneveld, W. Meckbach, I.A. Sellin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer-Verlag, , [1984] ©1984
ISBN	3-540-39099-5
Edizione	[1st ed. 1984.]
Descrizione fisica	1 online resource (VII, 168 p. 3 illus.)
Collana	Lecture Notes in Physics ; ; Volume 213
Disciplina	539.754
Soggetti	Heavy ion collisions Electrons - Capture Solids - Effect of radiation on
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Electron loss to the continuum for light ions -- Theoretical description of the cusp electrons ejected in asymmetric heavy-ion collisions -- Double differential cross section for electron capture to the continuum with molecular projectiles -- Density matrix description of collisional electron transfer into the continuum of ionic projectiles -- A time dependent secondary electron transport model -- Continuum-electron capture by 25-250-keV protons in helium -- The influence of a diffuse target on electron loss into the continuum double differential distributions -- CUSP studies for simple collision systems -- Doubly differential emission distributions for electron loss to the continuum from fast heavy projectiles in gas targets -- Projectile continuum electrons in highly charged ion-atom collisions -- L-shell vacancy production by electron capture to projectile-centered continuum states (ECC) in proton-argon collisions -- Electron capture into metastable Kr8+ recoil ions -- Three dimensional convoy electron velocity distributions produced by 60–270 keV proton impact on carbon foils -- Anomalous mean free paths for scattering of convoy electrons generated by fast, highly ionized ions in thin solid targets -- Rydberg-

state production in collisions between fast ions and carbon targets --  
Convoy electrons from atomic and molecular heavy ion collisions with  
solids -- Alignment of high rydberg states in hydrogen.

2. Record Nr.	UNINA9910743244603321
Autore	Tsukamoto Yoshimichi
Titolo	Advances in Soil Liquefaction Engineering // by Yoshimichi Tsukamoto, Kenji Ishihara
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811554797 981155479X 9789811554780 9811554781
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (195 pages)
Collana	Springer Series in Geomechanics and Geoengineering, , 1866-8763
Disciplina	624.1762
Soggetti	Geotechnical engineering Engineering geology Soil science Natural disasters Geotechnical Engineering and Applied Earth Sciences Geoengineering Soil Science Natural Hazards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Liquefaction resistance of saturated sand -- Characterising undrained monotonic behaviour of saturated sand -- Characterising undrained behaviour of imperfectly saturated and unsaturated sands -- Analysis on triggering of soil liquefaction including effects of imperfect saturation -- Use of in situ sounding tests for evaluating soil liquefaction triggering -- Evaluating post-liquefaction settlement and lateral deformation -- Use of in situ sounding tests for evaluating stability of soil deposits subject to liquefaction. .

## Sommario/riassunto

This book describes recent developments in soil liquefaction engineering and introduces more appropriate procedures than the current ones to evaluate triggering and consequences of soil liquefaction during earthquakes. The topics therefore cover all aspects of soil behaviour following liquefaction during earthquakes. The contents start with new approaches and new findings on characterisation of liquefaction resistance and undrained shear strength of fully saturated, partially saturated, and unsaturated sand, which are fully based on laboratory tests. New approaches and findings are then described on the use of in situ sounding tests for characterising triggering and consequences of soil liquefaction, including post-liquefaction settlement, lateral spreading, and stability against flow slide. All the topics are accompanied by illustrative case history data from recent major earthquakes in Japan.

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