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| 1. Record Nr.           | UNISA996466835203316   |
| Titolo                  | Deep-Inelastic and Fusion Reactions with Heavy Ions [[electronic resource] ] : Proceedings of the Symposium Held at the Hahn-Meitner-Institut für Kernforschung, Berlin October 23 – 25, 1979 // edited by W. v. Oertzen   |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1980   |
| ISBN                    | 3-540-39177-0  |
| Edizione                | [1st ed. 1980.]  |
| Descrizione fisica      | 1 online resource (XIII, 394 p. 17 illus.)   |
| Collana                 | Lecture Notes in Physics, , 0075-8450 ; ; 117  |
| Disciplina              | 539.7092   |
| Soggetti                | Nuclear physics<br>Heavy ions<br>Nuclear fusion<br>Nuclear Physics, Heavy Ions, Hadrons<br>Nuclear Fusion  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph  |
| Nota di contenuto       | Heavy-ion reactions: A new frontier of nuclear science -- Symposium on deep-inelastic and fusion reactions with heavy ions Hahn-Meitner Institut für Kernforschung. Berlin October 23–25, 1979 -- Collective motion in deep inelastic collisions -- Transport theory and doorway configuration in dissipative heavy-ion collisions -- Linear response theory of deeply inelastic collisions -- Deep inelastic collisions viewed as brownian motion -- A fast splitting of projectile-like fragments in the reaction $^{86}\text{Kr}-^{166}\text{Er}$ AT 12.1 MeV/u -- Neutron emission in heavy ion reactions -- Fusion-fission type collisions -- Deep inelastic collisions at energies close to the Coulomb barrier -- Promptly emitted particles in nuclear collisions -- Light particle emission in heavy ion reactions at 10 and 20 MeV/nucleon -- Geometry and dynamics in the hot spot model -- Symposium on deep-inelastic and fusion reactions with heavy ions Hahn-Meitner institut für Kernforschung, Berlin October 23–25, 1979 -- Multi-particle production in $^{32}\text{S}$ -induced reactions -- Emission of alpha particles in deep inelastic reactions induced by 148 MeV $^{14}\text{N}$ beam -- Heavy ion reactions at $E/A \approx 10$ |

mev/nucleon -- Reaction fragments resulting from collisions of  $^{20}\text{Ne}$  on  $^{197}\text{Au}$  at energies between 7.5 and 20 MeV/N -- Local excitation in reactions with  $\alpha$ -particles -- Incomplete fusion or massive transfer? -- Angular momentum transfer in incomplete fusion reactions -- The contribution of peripheral fragmentation processes to continuous particle spectra in nucleus-nucleus collisions -- Fusion reactions: Successes and limitations of a one-dimensional description -- Heavy-ion fusion: A classical trajectory model -- Review of models for fusion -- Preequilibrium emission in heavy-ion induced fusion reactions -- Light particle correlations and lifetime measurements -- Evidence for incomplete fusion in a light heavy ion reaction -- Fusion excitation functions from neutron yield measurements inside the cyclotron -- Entrance channel versus compound nucleus limitations in the fusion of 1p and 2s-1d shell nuclei -- The role of the yrast line in heavy ion fusion -- Time dependent hartree fock theory for heavy ions.

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