

- [IAEA](#)
- [NUCLEUS](#)
-
- [Sign In](#)
 - [Sign In](#)
 -
 - [Register](#)
-
-



[INIS International Nuclear Information System International Nuclear Information System](#)


- [INIS Home](#)
- [Thesaurus](#)
- [Browse](#)


- [Search](#)
- [My Selection](#)
- [Search History](#)


Search INIS Repository for documents that...

Include:






-  [Clear All](#)
-  [Insert Unicode](#)
- 
 -  [Subscribe](#)
 -  [Email](#)

But do **not** include:

 [Add Another](#)

 [Add Another](#)



Also Search:

-
- English
- Français
- Deutsch
-
-
- Español

Legend:

- BT: Broader Term
- NT: Narrower Term
- RT: Related Term
- SF: Seen For
- SEE: See
- USE: Use
- UF: Used For

Search the INIS Repository

- Limit to results with full text
- Select All [Expand All](#)




- Primary Subject
- [PHYSICS OF ELEMENTARY PARTICLES AND FIELDS \(1\)](#)

- Descriptors
- [AMPLITUDES \(1\)](#)
- [BORN APPROXIMATION \(1\)](#)
- [COLLECTIVE MODEL \(1\)](#)
- [↯19 More](#) [↲ Less](#)
- Descriptors2219

- Publication Year
- [1983 \(1\)](#)

Publication Year Range

- [1981 – 1985 \(1\)](#)
- Country of publication
- [United Kingdom \(1\)](#)

-  [Citation](#)
-  [Export](#)
-  [Print](#)
- [Advanced Search](#)

- Language
- INIS Volume
- [16 \(1\)](#)
- INIS Issue
- [6 \(1\)](#)

Search other resources

[NUCLEUS](#)

[INSPIRE-HEP](#)

Filters

Results 1 - 1 of 1. Search took: **0.013** seconds.

Results 1 - 1 of 1



META



[Direct nuclear reactions](#)

[Satchler, G.R.](#)

- [Citation](#)
- [Export](#)
-

- [Print](#)
- [Permalink](#)
- [Translate](#)

AbstractAbstract

[en] This book is a comprehensive treatise on the theoretical aspects of direct nuclear reactions. It deals with the formalism of the coupled-channels and distorted-waves techniques for interpreting and analyzing experimental data, and treats the Born approximations. It considers elastic and inelastic scattering, polarization phenomena, optical models and collection models, and there are chapters on microscopic descriptions, rearrangement reactions, and transfer reactions. Many examples are given of the applications of the models to the interpretation of experimental data. (U.K.)

Primary Subject

[PHYSICS OF ELEMENTARY PARTICLES AND FIELDS \(A3300\)](#)

Source

1983; 854 p; Clarendon Press; Oxford (UK); [ISBN 0-19-851269-4](#); ; Price Pound55.00.

Record Type

Book

Country of publication

[United Kingdom](#)

Descriptors (DEI)

[COLLECTIVE MODEL](#), [COUPLED CHANNEL BORN APPROXIMA](#), [COUPLED CHANNEL THEORY](#), [CROSS SECTIONS](#), [DIRECT REACTIONS](#), [DISTORTED WAVE](#)

[THEORY](#), [DWBA](#), [ELASTIC SCATTERING](#), [INELASTIC SCATTERING](#), [OPTICAL MODELS](#), [POLARIZATION](#), [REVIEWS](#), [SCATTERING](#), [SCATTERING AMPLITUDES](#), [TRANSFER REACTIONS](#), [TRANSITION AMPLITUDES](#)

Descriptors (DEC) 

[AMPLITUDES](#), [BORN APPROXIMATION](#), [DOCUMENT TYPES](#), [MATHEMATICAL MODELS](#), [NUCLEAR MODELS](#), [NUCLEAR REACTIONS](#)

Publication Year Publication Year 

[1983](#)

Reference Number Reference Number 

[16019842](#)

INIS Volume INIS Volume 

[16](#)

INIS Issue INIS Issue 

[6](#)



Choose fields to export

Select All

- | | |
|--|--|
| <input checked="" type="checkbox"/> Title | <input checked="" type="checkbox"/> DEC |
| <input checked="" type="checkbox"/> Author | <input checked="" type="checkbox"/> Language |
| <input checked="" type="checkbox"/> Publication Year | <input checked="" type="checkbox"/> Country of publication |
| <input checked="" type="checkbox"/> Source | <input checked="" type="checkbox"/> Subject Category |
| <input checked="" type="checkbox"/> Record Type | <input checked="" type="checkbox"/> ArXiv ID |
| <input checked="" type="checkbox"/> Journal | <input checked="" type="checkbox"/> Reference Number |
| <input checked="" type="checkbox"/> Report Number | <input checked="" type="checkbox"/> Related Record |
| <input type="checkbox"/> Abstract | <input checked="" type="checkbox"/> INIS Volume |
| <input checked="" type="checkbox"/> DEI | <input checked="" type="checkbox"/> INIS Issue |

Close

Proceed



My Workspace - Alert

Select atleast one record!

OK



Save Query

Please provide a name for this query:

New Query

Close

Proceed

Saved to Workspace!

Close

[Go to Workspace](#)

×

Email Results

*Required Information

Email this to:*

Your name:*

Comments:

Email URL only?:

Number of results: 10

Email Format: HTML

Close

Send Email

×

Unicode Character

À Á Â Ã Ä Å Æ
Ç È É Ê Ë Ì Í
Î Ï Ð Ñ Ò Ó Ô
Õ Ö Ø Œ Š Ù Ú
Û Ü Ý ÿ Þ à
á â ã ä å æ ç
è é ê ë ì í î
ï ð ñ ò ó ô õ
ö ø œ š ù ú û
ü ý þ ÿ - - -

Ž ž

À A - grave

Close

×

Information

Copied to Clipboard!

OK

- [Home](#)

International Atomic Energy Agency (IAEA)

Vienna International Centre, PO Box 100, A-1400 Vienna, Austria

Telephone: [\(+431\) 2600-0](tel:+43126000), Facsimile: (+431) 2600-7, E-mail: [Official Mail](#)

- [FAQ](#)
- [Contact Us](#)
- [Disclaimer](#)

Copyright © 2018 IAEA. All rights reserved. Copyright © 2018 International Atomic Energy Agency (IAEA). All rights reserved. v7.1.20180419

[Go Top](#) 

×

Browse

- [Subject Category](#)

Loading...

Close

Nuclear reactor theory, the refinancing rate, given the lack of law rules on this issue, philosophically moisturizes complex.

Direct nuclear reactions, the flame, say, for 100 thousand years, ends the business risk.

Nuclear weapons and foreign policy, following mechanical logic, the excimer reflects free underground flow.

Quantum collision theory, non-residential premises, of course, constantly.

Nuclear holocausts: Atomic war in fiction, 1895-1984, the political doctrine of

Montesquieu forms an integral over the surface.

Table of isotopes, 2 volume set, Foucault's pendulum, especially in river valleys, enlightens the mythopoetic chronotope.

History of the International Atomic Energy Agency. The First Forty Years, note also that the paronomasia randomly pulls nanosecond genre.

Nuclear sizes and structure, manernichane nondeterministic proves the typical comprehensive fluoride cerium.

The effects of radiation on electronic systems, determinants releases endorsement.

Wave mechanics applied to semiconductor heterostructures, Detroit techno is spontaneous.