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Titolo	Handbook on secondary particle production and transport by high-energy heavy ions [[electronic resource] /] / Takashi Nakamura, Lawrence Heilbronn
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 217-221) and index.
Nota di contenuto	Preface; Contents; 5.1.4 211 and 377 MeV/nucleon Ne + Cu (Hicks et al., Bevalac (LBNL)); 1. Introduction; 1.1 Radiation in Space Environment; 1.2 Heavy-Ion Accelerators for Medical Applications; 1.3 Radioisotope (RI) Beam Factory in Large-Scale Heavy-Ion Accelerators; 1.4 Purpose of This Handbook; 2. Secondary Neutron Yields from Thick Targets; 2.1 Overview of Measured Systems; 2.2 Experimental Details; 2.2.1 HIMAC experiments; 2.2.2 NSCL experiments; 2.2.3 Bevalac experiments; 2.2.4 SREL experiments; 2.3 Results; 2.3.1 Double-differential spectra; 2.3.2 Angular distributions 2.3.3 Total yields 2.4 Double-Differential Thick-Target Yields from the HIMAC Experiments (Plots); 2.5 Double-Differential Thick-Target Yields from the Bevalac Experiments; 2.6 Double-Differential Thick-Target Yields from the SREL Experiments; 2.7 Double-Differential Thick-Target Yields from the NSCL Experiments; 2.8 Angular Distributions of Thick-Target Neutron Yields above 5 MeV from the HIMAC Experiments; 2.9 Angular and Energy Distributions of Thick-Target Neutron Yields above 20 MeV from the Bevalac Experiments

2.10 Angular Distributions of Thick-Target Neutron Yields above 10 MeV from the SREL Experiments
2.11 Angular and Energy Distributions of Thick-Target Neutron Yields above 10 MeV from the NSCL Experiments;
2.12 Total Yields for Systems with Al, C, Cu or Pb Targets;
3. Secondary Neutron Production Cross Sections;
3.1 Overview of Measured Systems;
3.2 Experimental Details;
3.2.1 HIMAC experiments;
3.2.2 RIKEN experiments;
3.2.3 Bevalac experiments;
3.3 Results;
3.3.1 Analysis of HIMAC experiments;
3.3.2 Analysis of RIKEN experiments;
3.3.3 Analysis of Bevalac experiments
3.3.4 Double-differential spectra
3.3.5 Angular distributions;
3.3.6 Total yields;
3.4 Double Differential Neutron Production Cross Sections from HIMAC Experiments;
3.5 Double Differential Neutron Production Cross Sections from RIKEN Experiments;
3.6 Double Differential Neutron Production Cross Sections from Bevalac Experiments.;
3.7 Angular Distributions;
3.8 Total Cross Sections;
4. Measurements of HZE Neutrons Behind Shielding;
4.1 Experimental Details;
4.1.1 Concrete shielding using self-TOF, NE-213, and activation foils;
4.1.2 Iron shielding using self-TOF and NE-213 detectors
4.1.3 Concrete and iron shielding using a TEPC
4.1.4 Bonner sphere measurements behind concrete and iron;
4.2 Results;
4.2.1 400 MeV/nucleon $^{12}\text{C} + \text{Cu}$ neutrons behind concrete;
4.2.2 400 MeV/nucleon $^{12}\text{C} + \text{Cu}$ neutrons behind iron;
4.2.3 400 MeV/nucleon $^{12}\text{C} + \text{Cu}$ neutrons behind iron and concrete, TEPC measurements;
4.2.4 155 MeV/nucleon He, C, and O + Hevimet neutrons behind iron and concrete;
4.3 Spectra from HIMAC Experiments of Sasaki et al.;
4.4 Spectra from HIMAC Experiments of Nunomiya et al.;
4.5 Spectra from NSCL Experiments
5. Production Cross Sections of Spallation Products Created in Heavy-Ion Reactions

Sommario/riassunto

This handbook is a timely resource for the rapidly growing field of heavy-ion transport-model theory and its applications to the fields of accelerator development, heavy-ion radiotherapy, and shielding of accelerators and in space. Data from over 20 years of experiments in the production of secondary neutrons and spallation products are contained in the handbook, and are available on the accompanying CD. Transport modelers and experimentalists will find the detailed descriptions of the experiments and subsequent analyses to be a valuable aid in utilizing the data for their particular applicati

2. Record Nr.	UNINA9910404115903321
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Titolo	Generative Bildarbeit : Zum transformativen Potential fotografischer Praxis / Vera Brandner
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ISBN	9783839450086 383945008X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (274 p.)
Collana	Edition Kulturwissenschaft
Classificazione	LC 96000
Disciplina	770
Soggetti	Research Learning Forschendes Lernen Photographic Practice Fotografische Praxis Methodology Methodik Generative Image Work Generative Bildarbeit Border Work Grenzarbeit Cultural Difference Kulturelle Differenz Praxeology Praxeologie Self-experiment Selbstversuch Reflexive Grounded Theory Internal Perception Selbstwahrnehmung External Perceptions Fremdwahrnehmungen Situationality Reflexivity Situationalität Reflexivität Transdisciplinarity Visual Ethics Transdisziplinarität

Roland Barthes
Transformative Forschung und Bildung
Homi Bhabha
Visuelle Ethik
Pierre Bourdieu
Paulo Freire
Postcolonialism
Photography
Image
Postkolonialismus
Fine Arts
Fotografie
Visual Studies
Bild
Art
Kunstwissenschaft
Bildwissenschaft
Kunst

Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Through generative image work, photography is used as a relational, ambivalent and undisciplined medium for educational and research processes.
Nota di contenuto	Frontmatter 1 Inhalt 7 Danke 9 Vorwort 10 Einleitung 12 1 Methodologie 22 2 Dazwischen - ein praxeologischer Selbstversuch 40 3 Fotografisch-visuelle Methodenentwicklung 98 4 Empirie und Analyse 158 5 Ergebnis - eine Theorieskizze 188 6 Diskussion der Ergebnisse 225 Ausblick - utopistische Forschungspraxis 253 Literaturverzeichnis 260 Abbildungsverzeichnis 268 Register 271
Sommario/riassunto	<p>Wir alle sind Fotografie! Wir fotografieren, betrachten Fotos, sind darauf abgebildet und verwenden sie. Die Fotografie berührt und verstört, sie verbindet und trennt, sie beweist und ist vieldeutig. Vera Brandner nutzt in der generativen Bildarbeit das Beziehungshafte, das Ambivalente und das Undisziplinierte der Fotografie für Bildungs- und Forschungsprozesse. Die Fotografie wird dabei zum transdisziplinären Praxisfeld, bei dem auf prozesshafte und partizipative Weise die Beteiligten und ihre generativen Themen in den Fokus rücken. Anhand der Bilder, dem Betrachten und Diskutieren werden die Selbst- und Fremdwahrnehmungen erkundet sowie Kategorien sozialer Grenzziehung hinterfragt. Forschen und Lernen gehen dabei Hand in Hand und werden als Erkenntnis- und Transformationsprozesse wirksam.</p> <p>»Der von der Autorin entwickelte Ansatz generativer Bildarbeit überzeugt. Die Schritte der Umsetzung sind stimmig zueinander, fördern gerade durch den rekursiven Ablauf der Arbeitsphasen einen differenzierten Zugang zum Thema.«</p> <p>»Geistreiches wie unkonventionelles Werk.«</p>
