

1. Record Nr.	UNINA9910785856903321
Autore	Pringe Hernan
Titolo	Critique of the quantum power of judgment [[electronic resource]] : a transcendental foundation of quantum objectivity // Hernan Pringe
Pubbl/distr/stampa	Berlin, : Walter de Gruyter, 2007
ISBN	3-11-097175-5
Descrizione fisica	1 online resource (264 p.)
Collana	Kantstudien-Ergänzungshefte ; ; 154 Kantstudien. Ergänzungshefte, , 0340-6059 ; ; 154
Classificazione	CC 3500
Disciplina	193
Soggetti	Physics - Philosophy Quantum theory
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 and indexes.
Nota di contenuto	pt. 1. Kantian preliminaries -- pt. 2. The conceptual development of Bohr's thought -- pt. 3. A transcendental foundation of quantum objectivity.
Sommario/riassunto	The Critique of the Quantum Power of Judgement analyzes the a priori principles which underlie the empirical knowledge provided by quantum theory. In contrast to other transcendental approaches to quantum physics, none of the transcendental principles established by Kant is modified in order to cope with the new epistemological situation that arises with the assumption of the quantum postulate. Rather, by considering Bohr's views, it is argued that classical concepts provide the mathematical formalism of quantum theory with physical reference through symbolic analogies in the strict Kantian sense. The main result of the investigation is the determination of the highest principle under which quantum objects are subsumed. This principle states that the conditions of the possibility of the systematic unity of contextual experience are at the same time the conditions of the possibility of quantum objects. Upon this principle rests the possibility of any a priori synthetic knowledge of quantum objects. Therefore, the Critique of the Quantum Power of Judgement yields the prolegomena to any future quantum metaphysics.