PROFESSOR BERNARD d'ESPAGNAT: MAJOR BOOKS AND PAPERS

BOOKS


1983 In Search of Reality, the Outlook of a Physicist. New York: Springer-Verlag. (Originally published in French, 1979.)

1985 Une incertaine réalité, le monde quantique, la connaissance et la durée (An Uncertain Reality, the Quantum World, Knowledge and Duration). Paris: Gauthier-Villars. Translated in English (see 1989) and Portuguese.


1990 Penser la science ou les enjeux du savoir (Thinking Science or the Stakes of Knowledge). Paris: Dunod.


1997 Physique et réalité, un débat avec Bernard d’Espagnat (*Physics and Reality, a Debate with Bernard d’Espagnat*). M. Bitbol and S. Laugier, editors. Paris: Frontières. (Proceedings of a two-day colloquium in Paris organized by Michel Bitbol, with papers by participants and answers and comments from d’Espagnat.)


**SELECTED PAPERS**

1956 “Formulation mathématique du modèle de Gell-Mann” (with Jacques Prentki), *Nuclear Physics*, 1, 33

1957 “Some remarks on Decay Rates of Heavy Mesons” (with Roland Omnès and Jacques Prentki), *Nuclear Physics*, 3, 471

1958 “On Symmetries of Weak Interactions” (with Jacques Prentki and Abdus Salam), *Nuclear Physics*, 5, 447

“A Tentative General Scheme for Weak Interactions” (with Jacques Prentki), *Nuclear Physics*, 6, 596


      “Use of inequalities for the experimental test of a general conception of the foundations of microphysics II,” Physical Review D, 18, 349


      “Consistent Histories and the Measurement Problem,” Physics Letters A, 124, 204

1989  “Are there realistically interpretable local theories?” Journal of Statistical Physics. 56, 747

1990  “Towards a Separable ‘Empirical Reality’?” Foundations of Physics, 20, 1147

1991  “Open Realism,” Philosophy Naturalis 28, 54 (Frankfurt: Klosterman)


1993  “Complementaritá e Separabilitá (Complementarity and Separability),” contribution to Enciclopedia delle scienze fisiche (Encyclopedia of Physical Science). Rome: Instituto della Enciclopedia Italiana


1998  “Qu’est ce que la Réalité au Sens de la Physique? (What is Reality in Physics?),” contribution to Dictionnaire de l’ignorance, M. Cazenave, ed. Paris: Albin Michel

2000  “La réalité, pourquoi et comment (Reality, why and how),” Revue Internationale de philosophie, 2/212, 267


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