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PROFESSOR BERNARD d'ESPAGNAT: MAJOR BOOKS AND PAPERS

BOOKS

- 1965 Conceptions de la physique contemporaine (*Conceptions of Contemporary Physics*). Paris: Hermann. Translated in Japanese.
- 1971 Foundations of Quantum Mechanics, Proceedings of the International School of Physics, Enrico Fermi, Course 1949. New York: Academic Press (collective work, B. d'Espagnat, editor).

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- 1979 À la recherche du réel, le regard d'un physicien (*In Search of Reality, the Outlook of a Physicist*). Paris: Gauthier-Villars (3rd edition, 1991, Agora, Presse-Pocket). Translated in English (see 1983), German, Spanish, Italian and Japanese.
- 1982 Un atome de sagesse: propos d'un physicien sur le réel voilé (*An Atom of Wisdom: Writings by a Physicist on Veiled Reality*). Paris: Le Seuil. Translated in Italian.
- 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.
- 1989 Reality and the Physicist: Knowledge, Duration and the Quantum World. Cambridge: Cambridge University Press. (Originally published in French, 1985.)
- 1990 Penser la science ou les enjeux du savoir (*Thinking Science or the Stakes of Knowledge*). Paris: Dunod.

Georges d'Espagnat. Paris: La Bibliothèque des Arts.

- 1993 Regards sur la matière, des quanta et des choses (*Outlook on Matter, Quanta and Things*) (with E. Klein). Paris: Fayard. Translated in Portuguese.
- 1994 Le réel voilé, analyse des concepts quantiques (*Veiled Reality, An Analysis of Present-Day Quantum Mechanical Concepts*). Paris: Fayard. Translated in English (see 1995).
- 1995 *Veiled Reality, An Analysis of Present-Day Quantum Mechanical Concepts*. Reading, Massachusetts: Addison-Wesley. (Originally published in French, 1994.)
- 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: Frontiers. (Proceedings of a two-day colloquium in Paris organized by Michel Bitbol, with papers by participants and answers and comments from d’Espagnat.)
- “Aiming at describing empirical reality” in *Potentiality, entanglement and passion at a distance*, R.S.Cohen et al. eds. Dordrecht: Kluwer Academic
- 2002 *Traité de physique et de philosophie (On Physics and Philosophy)*. Paris: Fayard. Translated in English (see 2006).
- 2003 *Veiled Reality: An Analysis of Present-Day Quantum Mechanical Concepts*. Boulder, Colorado: Westview Press (reprint of 1995 edition).
- 2006 *On Physics and Philosophy*. Princeton, New Jersey: Princeton University Press. (Originally published in French, 2002.)
- 2008 *Candide et le physicien (Candide and the Physicist)* (with Claude Saliceti). Paris: Fayard.

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- 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
- 1966 “Two Remarks on the Theory of Measurement,” *Supplemento del Nuovo Cimento*, 4, 828
- “An Elementary Note About Mixtures,” contribution to *Preludes in Theoretical Physics*, in Honor of V.F. Weisskopf. Amsterdam: Editions North Holland

- 1975 “Use of inequalities for the experimental test of a general conception of the foundations of microphysics,” *Physical Review D*, 11, 1424
- 1976 “Réalité Physique (*Physical Reality*),” contribution to *Encyclopedia Universalis*, Paris.
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- 1979 “The Quantum Theory and Reality,” *Scientific American* 241:5, November
- 1981 “Matière et Réalité (*Matter and Reality*),” contribution to *La matière aujourd’hui*. Paris: Points-Science
- 1983 “Physique Moderne et Vison du Réel (*Modern Physics and Vision of Reality*),” contribution to *Fonction de l’esprit, Treize savants redécouvrent Valéry*. Paris: Hermann
- 1984 “Non-Separabilità e Realtà in Fisica (*Non-Separability and Reality in Physics*),” contribution to *Livelli di realtà*. Milan: Editions Feltrinelli
- 1987 “Meaning and Being in Contemporary Physics,” contribution to *Quantum Implications: Essays in Honour of David Bohm*. London: Editions RKP
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- 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,” *Philosophia Naturalis* 28, 54 (Frankfurt: Klosterman)
- 1992 “Appearance of a local world,” *Physics Letters A*, 171, 17
- 1993 “Complementarità e Separabilità (*Complementarity and Separability*),” contribution to *Enciclopedia delle scienze fisiche (Encyclopedia of Physical Science)*. Rome: Istituto della Enciclopedia Italiana
- 1995 “Les nombres et l’essence des choses,” *La Recherche*, 282, 66.
- 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
- 2001 “A note on measurement,” *Physics Letters A*, 282, 133

- 2005 “Consciousness and the Wigner’s friend problem,” *Foundations of Physics*, 35, 1943
- 2005 “Approche phénoménologique de Jean Ladrière, décohérence” et réalisme (*The phenomenological approach of Jean Ladrière, decoherence and realism*),” contribution to *Les défis de la rationalité, actes du colloque organisé par l’ISP à l’occasion des 80 ans de Jean Ladrière*. Louvain-la-neuve, Belgium: Editions de l’Institut supérieur de Philosophie
- 2007 “Giancarlo Ghirardi and the Interpretation of Quantum Physics,” *Journal of Physics A*, 40, 2971

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