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Philosophy of Physics
SE2, A, Je 16-18, SCIENCE I102
Modules: MA6, MA8

- 21 Sep Introduction to the seminar and the topic
- 28 Sep Dean Rickles. *The Philosophy of Physics*. Polity (2016). Chs. 3-4.2, pp. 29-61.
- 5 Oct Katherine Brading and Harvey Brown. Symmetries and Noether's theorems. In K. Brading and E. Castellani (eds.), *Symmetries in Physics: Philosophical Reflections*, Cambridge UP (2003), 89-109.
- 12 Oct Oliver Pooley. Handedness, parity violation, and the reality of space. In K. Brading and E. Castellani (eds.), *Symmetries in Physics: Philosophical Reflections*, Cambridge UP (2003), 250-280.
- 19 Oct Hans Radder. Heuristics and the generalized correspondence principle. *British Journal for the Philosophy of Science* **42** (1991): 195-226.
- 26 Oct *No seminar* (external conference)
- 2 Nov Alisa Bokulich. *Reexamining the Quantum-Classical Relation: Beyond Reductionism and Pluralism*. Cambridge UP (2008). Ch. 4, pp. 73-103.
- 9 Nov *No seminar* (semaine de lecture)
- 16 Nov CUSO indeterminism conference: special programme (to be announced)
- 23 Nov Margaret Morrison. Unified theories and disparate things. *PSA Proceedings of the Biennial Meeting of the Philosophy of Science Association*. University of Chicago Press (1994), 365-373.
- 30 Nov Tim Maudlin. On the unification of physics. *Journal of Philosophy* **93** (1996): 129-144.
- 7 Dec Dean Rickles. A philosopher looks at string dualities. *Studies in the History and Philosophy of Modern Physics* **42** (2011): 54-67
- 14 Dec Keizo Matsubara. Realism, underdetermination and string dualities. *Synthese* **190** (2013): 471-489.
- 21 Dec Richard Dawid. String dualities and empirical equivalence. *Studies in the History and Philosophy of Modern Physics*, forthcoming.