

University of Notre Dame
Philosophy of Physics Workshop

April 20th-21st, 2016
400 Geddes Hall

Wednesday April 20th

12:00-1:00 Lunchtime brown bag talk:
Bryan Roberts (LSE)
Unreal observables
1:15-2:00 Jeremy Steeger
*Sheaves, generalized probability, and the
hierarchy of quantum contextuality*
2:00-2:45 Laura Wells
*Kapustin's rigidity theorem for quantum
mechanics*
3:00-3:45 Pablo Ruiz de Olano
*Intimate connections: symmetries and
conservation laws in quantum versus
classical mechanics*
3:45-4:30 Jamee Elder
*Black hole complementarity and the
information loss paradox*
5:00-6:00 Elise Crull (CCNY)
Loop quantum gravity and decoherence

Thursday April 21st

10:00-11:00 Don Howard
Decoherence and complementarity
11:00-11:45 Martin Beers
How to teach special relativity
12:00-1:00 Lunchtime brownbag talk: Nick
Huggett (UIC)
*'Emergent' spacetime in non-commutative
geometry*
1:15-2:00 Sebastián Murgueitio Ramirez
*Ontic versus epistemic quantum states,
and the PBR theorem*
2:00-2:45 Corey Dethier
*Quantities of centripetal force in Newton's
Principia*
2:45-3:30 Monica Solomon
*Newton's mathematical forces: the curious
case of cycloid motion*

Workshop co-organizers: Katherine Brading and Nic Teh

Thursday April 21st, 207 DeBartolo Hall
4:30-6:00 Cushing Prize Lecture: Eleanor Knox (KCL)
Spacetime functionalism



JOHN J. REILLY CENTER
HISTORY AND PHILOSOPHY OF SCIENCE

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