

432018 PHILOSOPHY OF PHYSICS (Spring 2002)

Instructions for the seminar in Week 6

Reading: For the seminar, as well as the preliminary reading for the lecture, please read the following:

Quantum Mechanics and Experience by D. Z. Albert (Harvard University Press, 1994), Chapter 3.

Note that the book by Albert will be very useful as another source of readings for the first part of the course. As such, you would be well advised to get hold of a copy.

Instructions: In the seminar, I would like to concentrate on the physical and philosophical implications of the EPR paradox and the Bell inequalities.

As such, I would like you to prepare a few questions for the class to discuss. Note that these questions may serve different purposes, and in particular, questions which:

- raise objections to, or can be asked in defence of, the assumptions involved in the arguments, or
- the problems which these arguments raise for the interpretations that we have considered,

are welcomed. In the seminar these questions will be discussed and so you should, if possible, prepare answers to your own questions or questions which other people may raise.