Other Views:

Bohr View

- Objective: Characteristic state of system, changes deterministically under isolated prob. events, observation: (Box 1 and 2, intro.)
- Difficulty: Dependence upon context of observation...
- Paradoxes when several observers present.

We must emphasize that

Bohr View: Sufficient meaning lies
- Full account (without) of experience, given. Difficulty: Didactic, no hope of explaining, class level,--not capable of describing.
- (No complete model-- adheres to "reality" concept on class level.)

Hidden Variable View: Bohm: Ufield and field
- Also particles present -- causal, but ambient.
- Einstein: all follows from some appropriate
  - Covariant unified field theory -- status unknown due to lack of knowledge of non-linear PDE's
  - Weinst-Siegel = straightforward P, V, theory
with infinitely many hidden variables. Complex difficulties
perhaps not insurmountable.
Poppe - stochastic model - O.K., but apparently
gives slightly different results - i.e. not statistically
equivalent to others. Could prove in principle
be decided by experiment.

Schrödinger - essentially closest to present view -
takes waves as fundamental entity.

Other -

- Copenhagen scheme:
  - There are competing views.
  - Hidden variable view
  - Stochastic view
  - Wave view
  - (Junction view) - Happens times count to real
    - Mixtures to avoid paradox. (alters formalism)