

PHYSICS

no observer context

extra-mental **REALITY**

observable

**PHYSICAL
FORMALISM :**

physical reality

determinism
Classical physics

indeterminism
QM:
superposition,
collapse,
probability,



Observation



Interpretation



BIO-PSYCHOLOGY

with observer context

extra-mental **REALITY**

with sense organs :

“open system”

Reality-Potentiality Gap

no sense organs :

“closed system”

POTENTIALITY

with
probability models

mental representation

*Aerts: QM as
hidden determinism*