MCQ Generation

Prompt: generate me some mcq questions on the topic "Quantum Physics" with 4 options and correct answers

Tool input given by Claude:

```
{
    `MCQ_number`: 5,
    `query_topic`: `Quantum Physics`,
    `extra_information`: `Include questions covering fundamental concepts, quantum mechanics principles,
    wave-particle duality, quantum states, and quantum applications.`
}
```

Tool output given to Claude:

Question: What is the fundamental principle of wave-particle duality in quantum physics?

Options:

- A. Particles can only exhibit wave-like behavior
- B. Particles can only exhibit particle-like behavior
- C. Particles can exhibit both wave-like and particle-like behavior
- D. Particles can exhibit neither wave-like nor particle-like behavior

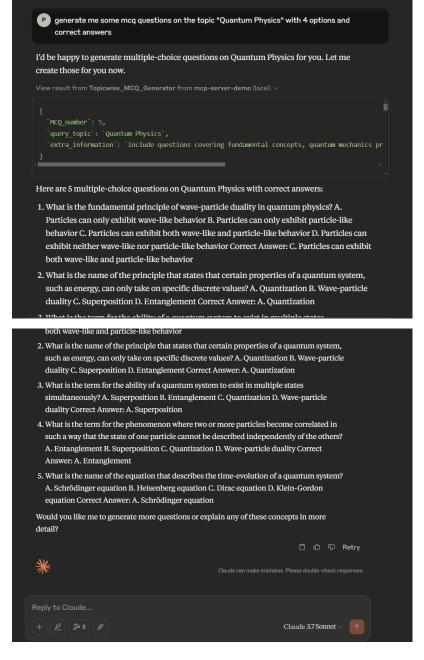
Correct Answer: Particles can exhibit both wave-like and particle-like behavior

Explanation: Wave-particle duality is a fundamental concept in quantum physics that suggests that particles, such as electrons, can exhibit both wave-like and particle-like behavior depending on how they are observed.

•

.

By this Context generated by Claude LLM:



Demostrates that MCP Server is well connected by Claude and responding very well for context generation.