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## **Phys 453 project**

### Quantum Entangelment

One of the strangest properties of quantum systems that two systems tend to get ' entangled' such that measuring one would affect the other. You will discover the strange world of entanglement from reading the suggested references and summarise your understanding in the following points

1. many particle systems in quantum mechanics
2. Pure states vs mixed state
3. Quantum entanglement
4. Example of entangled systems

You should include the references in your project

Best Regards,

**Dr Salwa Alsaleh**