

Lead Sheet 2

Expectation Value $\langle A \rangle$

- Ingredients
- Operational formula
- Physical Meaning based on measurements

Uncertainty (ΔA)

- Variance
- Standard deviation is Uncertainty
- Physical Meaning based on measurements

More on Measurements

- When is it possible to make a 100% certain prediction in measuring a quantity A (operator \hat{A})?
- What can QM say about the probabilities of getting different outcomes, given the state before measurement?