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## Intense slow beams of heavy molecules to test fundamental symmetries

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## Propositions accompanying the dissertation

## Intense slow beams of heavy molecules to test fundamental symmetries by Kevin Esajas

- 1. The difficulty in solving problems does not lie so much in the difficulty of the problems, but rather the lack of ideas.
- 2. The use of artificial Intelligence will certainly lead to scientific breakthroughs.
- 3. In the field of measuring the electron's electric dipole moment using atoms and molecules, the often used term 'effective electric field' does not describe an electric field.
- 4. The most challenging part of commissioning a cryogenic source is that in practice adjustments can only be made once a day.
- 5. The best method to create cold SrF molecular beams starts with heating Sr metal above 1000 Kelvin.
- 6. In multi-modal time-of-flight distributions, the earliest arriving mode does not necessarily correspond to the fastest moving molecules.