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Article: Evidence for the Discovery of gravitational radiation (Weber)

PHY 600 Reading Questionnaire

What is the main idea of the article?

Weber asserts that his resonant bar antennas have

measured gravitational wave signals (with a high amount of certainty)

Why is this topic important to gravitational wave detection?

- This publication seems to be an important early iteration in gravitational wave detection.
- Such discussions about noise, coincident detection, etc paved the way to how we do gravitational wave detection now.

What questions would you need to have answered before you could honestly say that you understand this topic?

- Can we draw a picture of this transducer he speaks of?
- How does he construct PAB? How can we rely on it so heavily?
- If we have 4 online detectors, why is he looking at double and even triple coincidences?