

multipole radiation

www.hyperfinecourse.org

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multipole radiation  
for **CLASSICAL** systems

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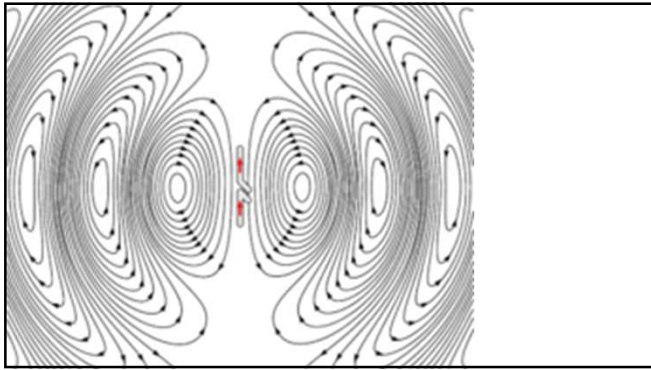
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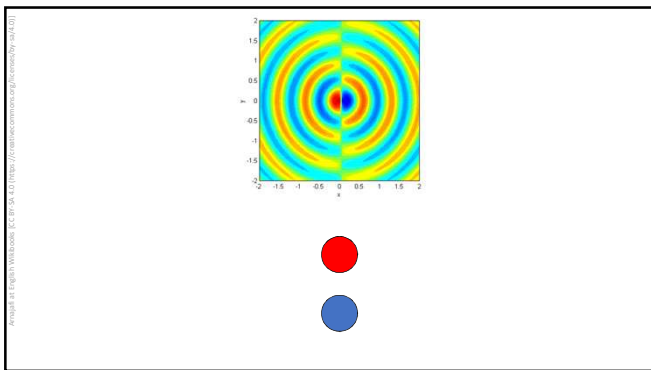
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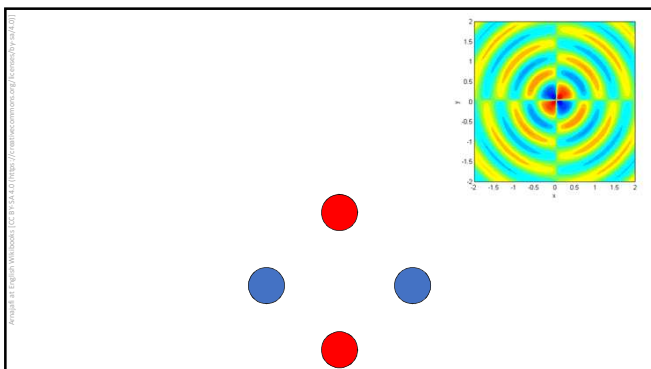
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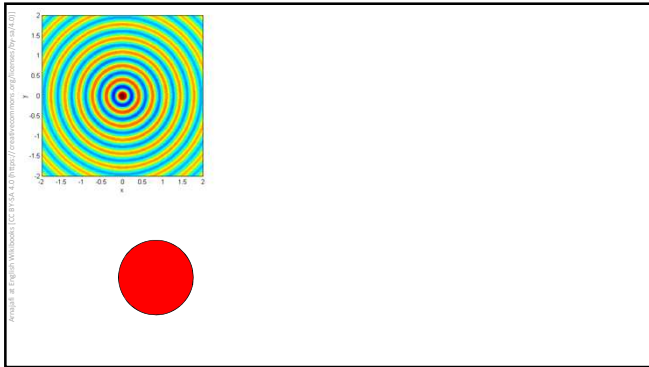
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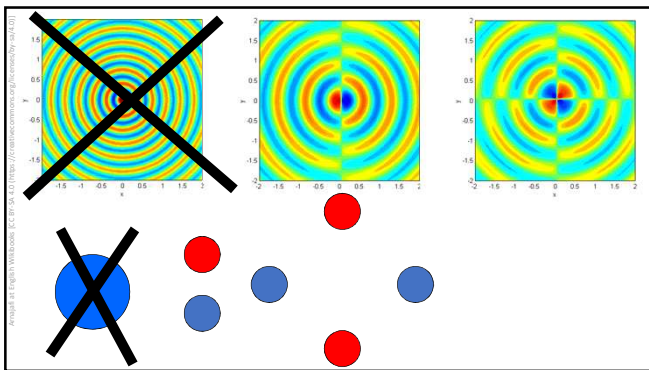
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multipole radiation  
for **QUANTUM** systems

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Why is an oscillating multipole not a good model for a decaying nucleus emitting radiation?

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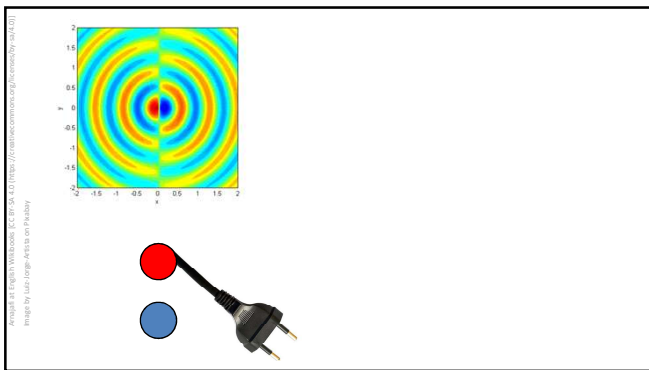
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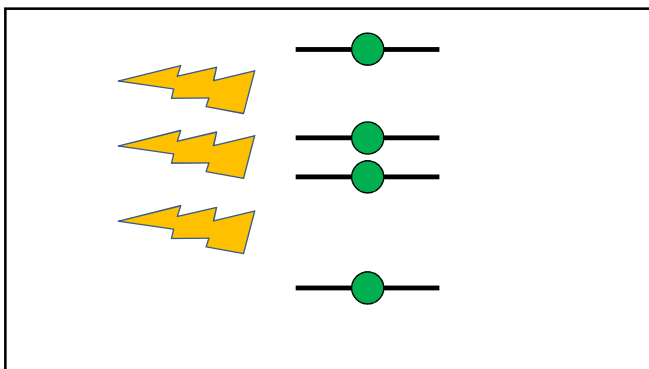
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Why is an oscillating multipole not a good model for a decaying nucleus emitting radiation?

1. a nucleus is not "powered"

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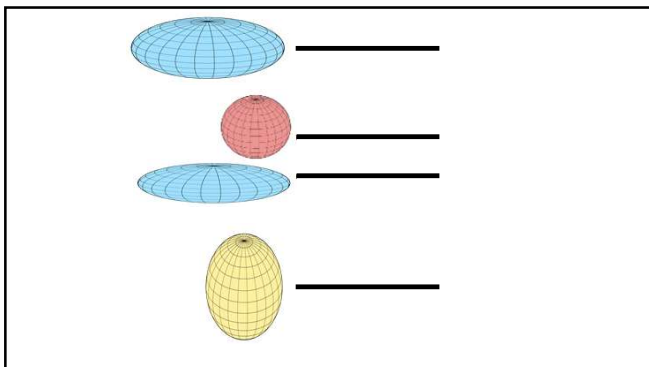
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Why is an oscillating multipole not a good model for a decaying nucleus emitting radiation?

1. a nucleus is not "powered"

2. a nucleus decays from one multipole moment to another, it is not an oscillating multipole moment.

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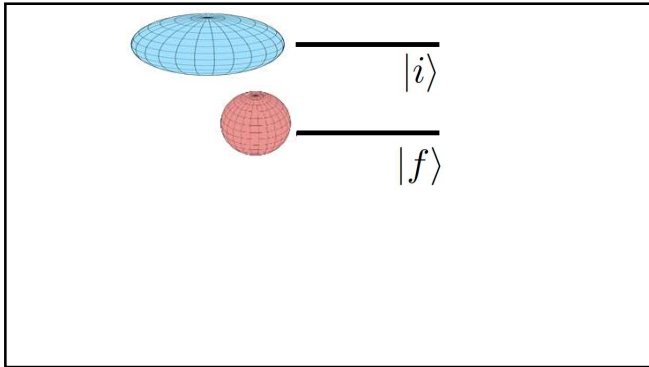
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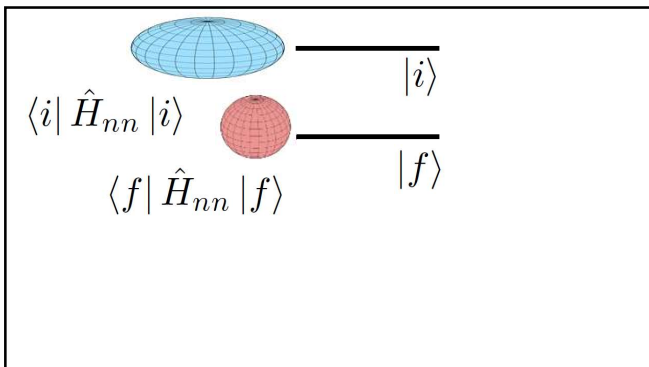
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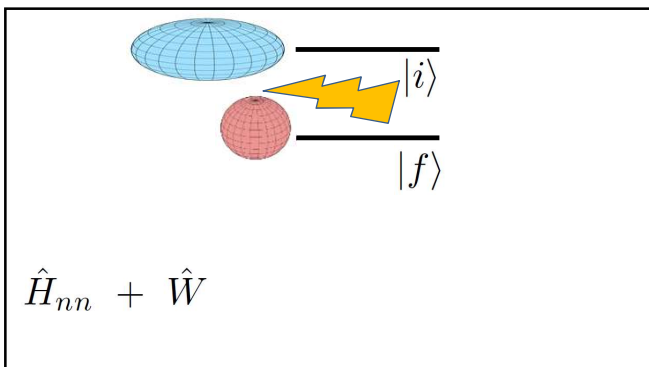
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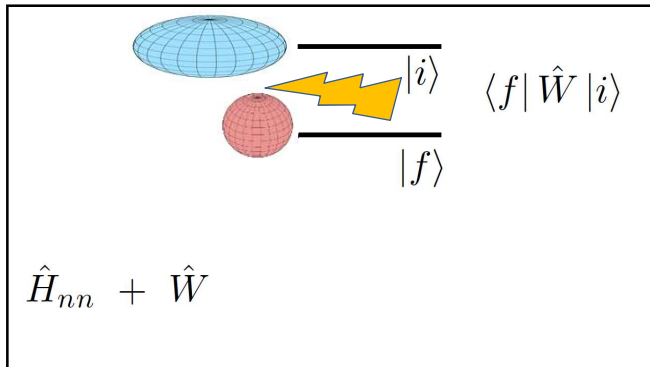
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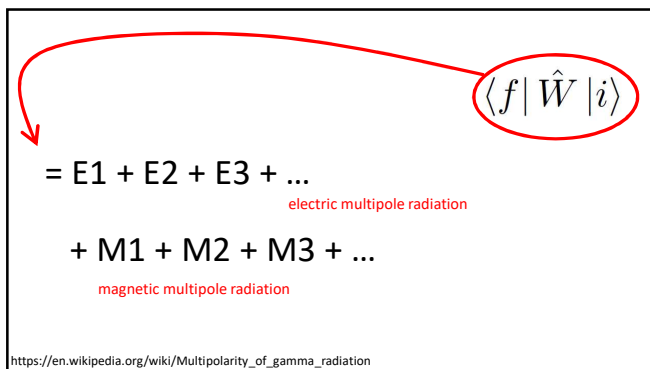
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