

Quantum Mechanics
Physics 237
 Frank L. H. Wolfs
 Department of Physics and Astronomy
 University of Rochester

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Course Announcements

- I will be travelling to Portugal to attend an LZ collaboration meeting next week.
- As a result:
 - I will have office hours next week in Coimbra (Portugal).
 - There will be no lectures in Dewey 2110D next week.
- Discussing the remaining course material:
 - After today, I need four more lectures to complete the discussion of Chapters 17 and 18.
 - I recorded one lecture for next week (see the video link on the web at <http://teacher.pas.rochester.edu/PHY237/LectureNotes/LectureNotesIndex04.htm>).
 - The remaining three lectures will be offered in Dewey 2110D at the regular time on April 24, 26, and May 1.

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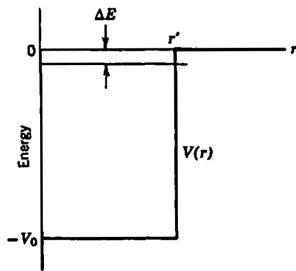
Deuteron States.

$l = 0$
 $s = 1 \uparrow \quad \uparrow \quad j = 1$
 3S_1

$l = 2$
 $s = 1 \uparrow \quad \downarrow \quad j = 1$
 3D_1

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Deuteron Potential.



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6 Minute 10 Second Intermission.

• Since paying attention for 1 hour and 15 minutes is hard when the topic is physics, let's take a 6 minute 10 second intermission.

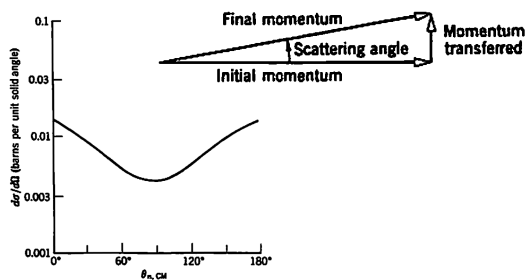
• You can:

- Stretch out.
- Talk to your neighbors.
- Ask me a quick question.
- Enjoy the fantastic music.



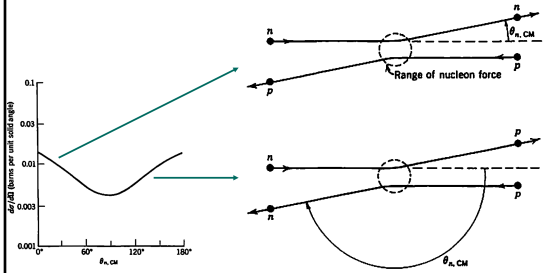
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Angle dependence of scattering.



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The Exchange Operator.



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ENOUGH FOR TODAY?

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