

Quantum Mechanics Physics 237

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

Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 1

1

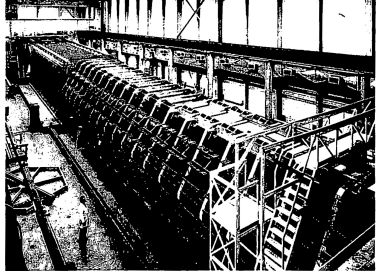
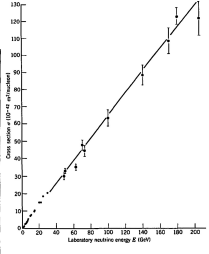
Course Information

- Today I will complete the discussion of Chapter 18. We will only cover the material of Sections 18.1 – 18.5.
- Exam # 3 will be returned during recitations next week on Monday and Wednesday next week.
- The solutions are posted on our webpages.
- Requests for regrades must be received by Thursday April 28.
- The final exam will cover all the material discussed in this course: chapters 1–11 and chapters 17-18. Note: for chapters 17-18, I only will ask questions based on the material in my notes.
- There will be extra office hours during the week of the exam.
- The final exam will take place on Wednesday May 4 (7.15 pm - 10.15 pm).

Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 2

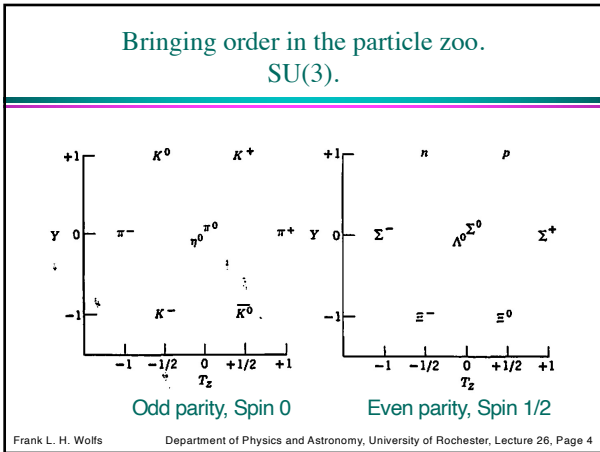
2

Neutrino-nucleon scattering. Provides evidence for partons.

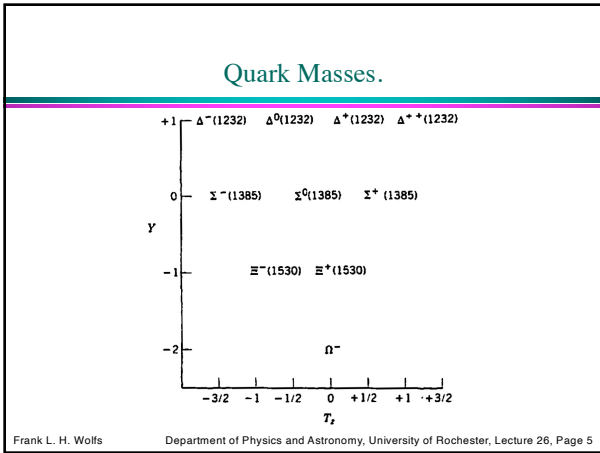



Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 3

3



4



5

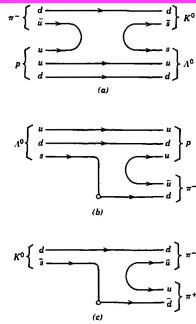
6 Minute 03 Second Intermission.

- Since paying attention for 1 hour and 15 minutes is hard when the topic is physics, let's take a 6 minute 03 second intermission.
- You can:
 - Stretch out.
 - Talk to your neighbors.
 - Ask me a quick question.
 - Enjoy the fantastic music.

Frank L. H. Wolfs
Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 6

6

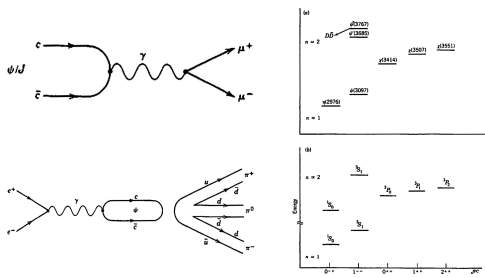
$\pi + p$ interactions: the quark point of view.



Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 7

7

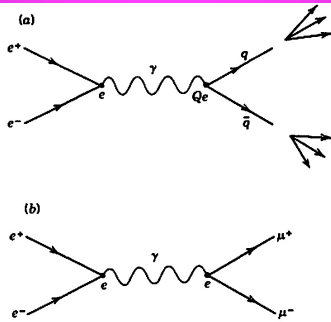
Charmonium and positronium.



Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 8

8

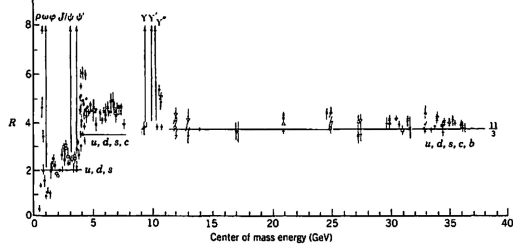
Electron-Positron Interactions.



Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 9

9

Ratio of Hadron to Muon Production.



Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 10

10

ENOUGH FOR TODAY?

Frank L. H. Wolfs Department of Physics and Astronomy, University of Rochester, Lecture 26, Page 11

11
