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APPENDIX F. Feynman Interaction Theory

| | |
|--|-----|
| F.1. The Underlying Motivation behind a Field-Interaction Approach | 675 |
| F.2. Interaction Matrix Elements | 676 |
| F.3. Feynman Graphs | 680 |
| F.3.1. Relation to Matrix Elements | 680 |
| F.3.2. Feynman Graphs in Momentum Space | 686 |
| F.3.3. Second Quantization | 687 |
| F.3.4. Formation of the S-Matrix Element | 693 |

APPENDIX G. Some Measurement Techniques in Nuclear Physics

| | |
|--|-----|
| G.1. Introduction | 698 |
| G.2. Beta Spectrometry | 698 |
| G.2.1. Principle of Magnetic Spectrometers | 699 |
| G.2.2. Focusing Arrangements | 703 |
| G.3. Scintillation Counters | 706 |
| G.3.1. Principle | 706 |
| G.3.2. Energy Resolution | 709 |
| G.3.3. Pile-Up | 713 |
| G.4. Semiconductor Detectors | 713 |
| G.5. Energy Scale in Low-Energy Nuclear Spectroscopy | 721 |
| G.6. Coincidence Techniques | 723 |
| Exercises | 727 |

APPENDIX H. Radiation Dosimetry

| | |
|--|-----|
| H.1. Biological Effects of Radiation | 731 |
| H.2. Dosimetry Units | 732 |
| Exercises | 734 |

APPENDIX I. Constants and Conversion Factors in Atomic, Nuclear, and Particle Physics

| | |
|----------------------------------|-----|
| Text and Tables | 738 |
| References | 745 |
| Solutions to Exercises | 776 |
| Subject Index | 791 |

SUMMARY OF CONTENTS
Volumes II and III

12. Nuclear Particles and Their Interactions

Neutrons; antineutrons; deuterons and two-body nuclear forces; three-nucleon systems [^2H , ^3He]; four-nucleon systems [^4He]; heavy ion physics

13. Nuclear Forces and Potentials, as Deduced from Nuclear Dynamics (Scattering and Polarization)

Nuclear force characteristics: central, tensor, spin-orbit components; velocity-dependent forces; scattering formalism and effective-range theory; Wolfenstein parameters; phase-shift analysis

14. Scattering and Reaction Models in Nuclear Physics

Optical model; compound-nucleus formalism; direct-interaction formalism; unified formalism; statistical fluctuations and strength functions

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