

known results, often without primary references.

The book can be recommended to graduate students who have learned something about angular momentum theory (and groups) and would like to see how this knowledge fits into a modern mathematical setting. (The monograph is a useful antidote to the oversimplified "physicist's texts" on Lie groups.) But the beginning student should look elsewhere; this is not an introductory textbook. North-Holland has done a fine job of the format and printing (there are commendably few errors), but the price is a bit steep.

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book notes

Jets of Hadrons

W. Hofmann

210 pp. Springer-Verlag, New York, 1981.
\$32.50

Jets of Hadrons is a thorough, well-written article that treats a subject currently of great interest. Werner Hofmann reviews the properties of hadronic final states in e^+e^- annihilation, lepton-hadron and hadron-hadron scattering in the regime where a parton (QCD-quantum chromodynamic) description is appropriate. He also covers the more speculative approaches to low transverse momentum processes. Although concentrating on final state properties, Hofmann also discusses the general QCD description of these reactions. The treatment of e^+e^- annihilation is deliberately brief in deference to Bjorn Wiik and Gunter Wolf's well-known article on this in the same Springer series. Hofmann takes an experimental point of view but within this context seems to present fairly the competing models, theories and data.

Hofmann's tract is in fact very similar in style and content to many reviews one will find in high-energy physics conference reports. This tract is more comprehensive but even by now does suffer a little from age in this rapidly moving field. I suspect that only high-energy physicists working directly in the areas covered will be interested in this book and even then most will be content to have it available in their library.

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Compendium in Astronomy. A Volume Dedicated to Professor John Xanthakis

on the Occasion of Completing Twenty-five Years of Scientific Activities as Fellow of Athens. E. Mariolopoulos, P. Theocaris, L. Mavridis, eds. 464 pp. Reidel (US dist. Kluwer, Hingham, Mass.), 1982. \$49.50. *compendium*

Extragalactic Astronomy. J. Sérsic. 245 pp. Reidel (US dist. Kluwer, Hingham, Mass.), 1982. \$49.50. *intermediate text*

The History of Modern Astronomy and Astrophysics: A Selected Annotated Bibliography. D. DeVorkin. 434 pp. Garland, New York, 1982. \$65.00

Amateur Astronomer's Handbook. Fourth Edition. J. Sidgwick. 568 pp. Enslow, Hillside, N.J., 1982. \$7.95

Astronomical Photometry. A. Henden, R. Kaitchuck. 392 pp. Van Nostrand Reinhold, New York, 1982. \$29.95. *reference*

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