

Bookshelf

Besuch im Teilchenzoo, Vom Kristall zum Quark. Pedro Waloschek, Rowohlt Taschenbuch Verlag, 1690-ISBN 3 499 19741 3

After his in-depth biography of accelerator pioneer Rolf Wideröe (October 1994, page 30), CERN Courier DESY correspondent Pedro Waloschek takes a lighter approach to add yet another feather to his literary cap with ‘Teilchenzoo’, a sort of 21st century update of Alice in Wonderland - or rather Barbara in Wonderland. The heroine, a non-scientist, is persuaded to enter a ‘particle zoo’, where all sorts of imaginary situations become real. Good idea, Pedro.

Quark-Gluon Plasma 2, edited by R.C. Hwa, World Scientific, ISBN 981-02-23994, 784 pages £58 hbk

The theme of colour deconfinement and chiral restoration, expected to occur in large volumes of strongly interacting matter at high energy density, is revisited in R. Hwa’s second collection of theoretical monographs. A format of about 50 pages each gives the 13 authors ample space for a didactic introduction, an up-to-date review and for inclusion of fresh ideas and developments of their own, and most articles make good use of this to the profit of the non-expert reader. The articles are devoted about equally to the more fundamental aspects (lattice QCD, Resummation in high temperature field theory, Instanton physics, Parton cascades,...) and to

treatises on observables of interest (Quarkonium physics, strangeness, Multi-Hadron correlations, Fluctuations and Critical Phenomena,...) A comprehensive source-reference for the experimentalist in the field, the book will undoubtedly meet the needs of many who are either currently working on aspects of ultra-relativistic collisions of heavy nuclei/large QCD systems, or wish to enter such research. With numerous and decisive new experiments in preparation at the Brookhaven and CERN Colliders, the Editor’s somewhat remorseful statement that the book does not belong to the mainstream of high energy physics may not go unchallenged.

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