



High Energy Spin Physics

By Althoff, Karl-Heinz / Meyer, Werner

Book Condition: New. Publisher/Verlag: Springer, Berlin | Volume 1: Conference Report | Proceedings of the 9th International Symposium Held at Bonn, FRG, 6-15 September 1990 | The 9th International Symposium on High Energy Spin Physics, held in Bonn, 6-15 September 1990, attracted 280 participants from 16 countries. This meeting covered not only fundamental experimental and theoretical spin phenomena but also technological developments in polarized beams and targets. For the first time intermediate energy spin physics with electron machines was discussed extensively. Highlights included the work on polarized high energy electron beams at LEP and TRISTAN and the failure of the standard model in connection with spin phenomena, in particular the growth of the spin asymmetry in violent proton-proton scattering. Also the presentation of different models in connection with the still-unsolved 'proton spin crisis'; and the proposals for four different experiments to determine the spin structure functions caused lively and sometimes controversial discussions. The Organizing Committee would like to thank all speakers for their excellent talks, the conveners for the organization of the parallel sessions, and the International Advisory Committee for their advice. Four workshops preceded the symposium. 160 participants, among them many young physicists, discussed mainly technological...



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