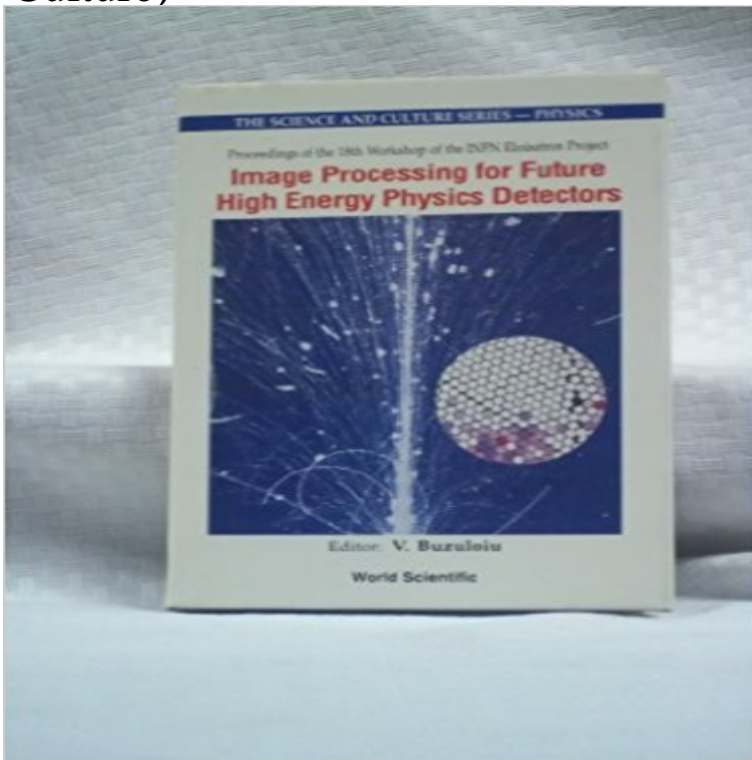


# Image Processing for Future High Energy Physics Detectors: Proceedings of the 18th Workshop of the Infn Eloisatron Project (The Science and Culture)



This volume stresses the necessity of image procession for future high energy physics detectors (indeed the signals - 1 megabyte of data or more, every 16 nanoseconds - will have 2D-spatial-topology-like images; only the processing/decision rates are much higher). The main issues presented are: new detectors, algorithms for tracking and pattern recognition, dedicated architectures, benchmarking studies on commercially available machines, mixed VLSI technologies, neural networks.

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