A GENERALIZED LABORATORY CONTROL SYSTEM INTEGRATED WITH DATA HANDLING

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A system has been developed to control multiple operations associated with complex accelerator experiments. The system is used to control specimen and beam positions and scanning rates, the variation and stabilization of ion beam lens currents and other operations. It runs in a PC, controlling operations via the PC bus and GPIB. An ethernet link to the data handling workstation allows control there from the command line or via a Graphical User Interface. This link also allows interaction between the multiparameter data collection program and the control system program.