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The Study of Test Method on Time Characteristic for ultra-fast Photodetectors

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Abstract : The research on the time performance test method of ultra-fast photodetector provides an important experimental basis for the performance measurement of domestic ultra-fast photodetector, beam current experiment or detector performance calibration in some special places. In this paper, based on the MCP-PMTs with about 50ps@SPE and some fast SiPM with about 100ps@SPE, the time performance of the above two super-fast photodetectors is tested by different methods, namely the common high-sampling oscilloscope and the new high-precision testing plug-in MDPP-16. So the test method of ultra-fast photodetector will be studied by comparing the test results.

Minioral

No

IEEE Member

No

Are you a student?

Yes

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