



Recent results from the pixel-based accelerated aging of Large Area Picosecond Photodetectors (LAPPDTM)

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After pulse rate measured after biasing the MCP-PMT in different configurations. The results show that the MCP2 have very little influence on the after-pulse rate.

After Pulse Rate measured for different configurations



After pulse rate measured after biasing the MCP-PMT in different configurations. The results show that the MCP1 have stronger influence on the after-pulse rate.

Recent result from the pixel-based lifetime testing of LAPPD



QE scan of the LAPPD photocathode after the first and the second ageing studies. Our results indicate that the damage caused by the pixel based accelerated ageing is local and is thus, ideal to test the detector with different biasing configurations.

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Lifetime Test results from LAPPD at different MCP gain configuration



Our results indicate that the lifetime of the MCP-PMT can be extended by operating the entry MCP at lower gain and making up the gain at the second MCP.



Thanks