

Poster Session (P)

Poster Lunch (1)

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SPACE LONG-RANGE DETECTION TECHNOLOGY BASED ON SINGLE-PHOTON

Abstract

In recent years,space detection technology is becoming more and more important with the further development of space exploration.The photoelectric system based on single-photon has advantages of long-range measurement,samll volume,light weight and so on,which can be applied in satellite.In this paper the program of detection system is introduced,which is consited of single-photon system and image system,the image system is used to search and discover target,the single-photon system is responsible for measure distance of target.The work chart of single-photon system is presented here,the single-photon signal acquisition method is also introduced here.