

Computer modeling of PMT Hamamatsu R11410-20

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A computer model of operation of Hamamatsu R11410-20 photomultiplier based on SPICE software package has been developed. The PMT amplification process is simulated with the use of voltage and current controlled sources of current. Boundaries of linear zone were obtained for high anode current (with respect to the base current) operation regime. The results of simulation are in a reasonable agreement with the experimentally measured characteristics of the PMT with serial # KB0278.

The model can be used for simulation of any type of PMT.

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