

Title (en)

DEVICE AND METHOD FOR MEASURING LUMINOUS INTENSITY USING A PHOTOMULTIPLIER COMPRISING A CALIBRATION SOURCE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR LICHTINTENSITÄTMESSUNG MIT EINER KALIBRIERUNGSQUELLE UND PHOTOVERVIELFACHERRÖHRE

Title (fr)

DISPOSITIF ET PROCEDE DE MESURE D'INTENSITE LUMINEUSE A L'AIDE D'UN PHOTOMULTIPLICATEUR COMPORTANT UNE SOURCE DE CALIBRAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: FR2797961A1] The invention relates to a device (2) for measuring the luminous intensity of radiation, comprising a photomultiplier (4) which has a photoelectric input cathode and a calibration source (5). Said calibration source is adapted to emit radiation of a constant intensity towards said photoelectric cathode. According to the inventive method, the measurement for the radiation to be measured is related to that of the radiation of the calibration source. The advantages of the invention include the elimination of fluctuations and/or deviations of the photomultiplier gain. The invention can be advantageously used with pulsed X-rays.

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