

Title (en)

TWO-DIMENSIONAL IONISING PARTICLE DETECTOR

Title (de)

ZWEIDIMENSIONALER DETEKTOR IONISIERENDER TEILCHEN, DER EINE MATRIX VON ERKENNUNGSFASERN AUFWEIST

Title (fr)

DETECTEUR BIDIMENSIONNEL DE PARTICULES IONISANTES COMPRENANT UNE MATRICE DE FIBRES DETECTRICES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03081279A2] The invention relates to a two-dimensional ionising particle detector comprising a matrix of detecting fibres, each detecting fibre forming a pixel of the detector. One detecting fibre comprises a glass capillary which is filled with liquid scintillator having a chemical composition which is selected such that the mean free path of primary scintillation photons is negligible compared to the diameter of the capillary (d). The invention is suitable, for example, for the imaging of particles with high resolution power.

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G01T 1/204; **G01T 5/08**

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