

Electron source of Uniform distribution using deep ultraviolet light excited Au film

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In many applications, there are a lot of needs for uniform distribution of cold cathode electron sources, such as microchannel plate testing, mass spectrometer electron sources that excite some samples to produce ions, etc. We use deep ultraviolet light to excite gold cathodes, or a microchannel plate with a gold cathode, using one or more microchannel plates based on different electron flow densities, to design an electron source with different sizes, different current densities, and uniformly distributed electron flow. In a large area of microchannel plate testing and other fields, we have achieved better experimental results, meet the experimental requirements, of course, we can also according to different user requirements, to design electron source with a maximum current density of sub-milliamp / cm².

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