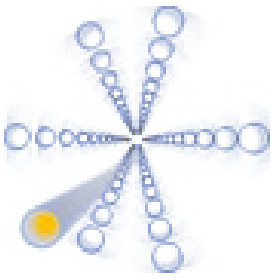

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Guiding of the Beam of 10 keV Electrons by Micro Size Tapered Glass Capillary

Wednesday, 8 October 2014 10:00 (15 minutes)

Elastic and inelastic processes take place in tapered glass capillaries within the guiding of the beam of electrons. We represent the study of the energy spectrum and intensity dependence of the guided beam of 10 keV electrons on the tilt angle of the tapered glass tube with respect to the beam axis. Experimental results show not only the possibility to guide electrons using macro size tapered channels, but also the focusing capability of the channels.

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