

MULTISTRUCTURED DUST CLOUD
FORMATION IN A DUSTY PLASMA GLOW
DISCHARGE IN NEON WITH AIR

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S u m m a r y

The results of experiments on the controlled formation of multilayer dust structures in a dusty plasma glow discharge in neon with the addition of air are presented. Polydisperse particles of Al_2O_3 are used. Different particle sizes are assumed in the upper and lower parts of the structure as a result of the selection of particle sizes, when the discharge conditions change. The results of experiments with monodisperse particles of two different sizes are presented.