

Characteristics of the plasma induced by the bombardment of N2 laser pulse at low pressure

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Abstrak

ABSTRACT

A vacuum chamber has been designed and constructed for the observation the primary plasma and secondary plasma which is generated by the bombardments of brass by N2 Laser beam with about 5 ns pulse width and 1 W power.

The Radius and spectral emission of the resulting secondary plasma of the brass sample at the surrounding gas pressure range 2 and 8 torr in N2, is presented.

This study can be developed to generated plasma and it can used for the analysis the composition the sample irradiated by N2 laser beam.