

THE SYNTHESIS NONEQUILIBRIUM PROCESSES INVESTIGATION OF
NYTROGEN OXIDES IN PLASMACHEMISTRY MICROWAVE REACTOR IN
MAGNETIC FIELD.

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Thermodynamic nonequilibrium plasmachemical microwave discharge is used to carry out synthesis reaction of matter in Gas Phase. Electron heating in the plasma is achieved by using electron-cyclotron resonance. Results on the mixture of nitrogen and oxygen are obtained. It is shown that electron energy may be utilised by chemical reactions very effectively when electron-cyclotron resonance conditions are achieved.