

Abstracts

A Heterodyne-Detection System for Measurements in Collective HCN-Laser Scattering from Thermonuclear Plasmas

O. Gehre. "A Heterodyne-Detection System for Measurements in Collective HCN-Laser Scattering from Thermonuclear Plasmas." 1974 *Transactions on Microwave Theory and Techniques* 22.12 (Dec. 1974, Part I [T-MTT] (Special Issue on the Proceedings of the First International Conference on Submillimeter Waves and Their Applications)): 1061-1064.

Collective HCN-laser scattering may become a useful diagnostic for waves and fluctuations in plasmas in the parameter range of Tokamak and Stellarator. Conditions for the measurement of the scattered spectrum are given and a resulting detection system, using a whisker detector in a heterodyne mode of operation, is described.

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