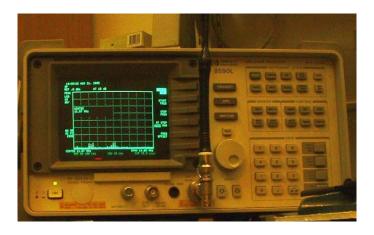
## Atlas of HRM spectra (volume 1)

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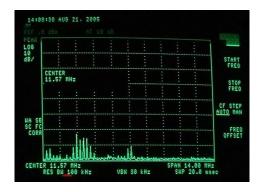
## Abstract:

The Heterodyne Resonance Mechanism (HRM) is predicted in the Basic Structures of Matter – Supergravitation Unified Theory (BSM-SG). The HRM effect takes place in a transient process of plasma. Neutral plasma in self-oscillation mode with optical signature of glow discharge emits spectrum in MHz range. The spectrum is different from the atomic and molecular spectra. According to the BSM-SG models, the spectrum is caused by synchronised spin-flip of the electrons involved in ion-electron pairs. Most of the recorded spectra are from hydrogen and air at partial vacuum from 10 to 15 mbars and air at normal pressure. They were recorded at different periods from 2005 to 2007 in a laboratory of York University, Toronto, Canada. The details of experimental setup are given in the article "Heterodyne Resonance Mechanism in a transient process in plasma. Experimental study and spectra" (vixra.org).

Keywords: neutral plasma, glow discharge, HRM spectra



Spectrum analyser HP 8590L



HP 8590L screen shot in dark

The spectra in all next pages are printed directly from the spectrum analyser

