The 140 GHz, 10 MW, CW ECRH system for W7-X : a training field for ITER
Terahertz astronomy from the coldest place on Earth
Large area high speed time domain THz imager for security and non destructive evaluation imaging
Detection of high explosives with THz radiation
HEB FPA imaging technology for security and biomedical applications
3D imaging with a terahertz quantum cascade laser (QCL)
Novel approach for electron magnetic resonance : a FEL based time domain EMR spectrometer
Design and performance of a pulsed THz diffuse reflectance system
Far infrared spectroscopy by portable synchrotron MIRRORCLE 20
Terahertz evanesence field spectroscopy
Compact terahertz cyclotron resonance spectrometer in high magnetic fields
Dielectric losses in CVD diamonds at frequencies 1 kHz 360 GHz
Current status of the new ECRH system for ASDEX upgrade
Method of electron density measurement by Fabry-Perot interferometry
Development of gyrotron based technological setups at GYCOM/IAP
Application of high power millimeter-wave to energy propulsion
Materials processing for space applications using a millimeter-wave
Fabrication and optical measurements of nanoscale meta-materials : terahertz and beyond
New approaches in biochemical sensing using photonic crystals in the terahertz region
Vacuum micro-electronic optical modulator
Frequency-tunable terahertz wave generation from GaP using Cr:forsterite lasers
Standoff distance detection of explosive materials with THz waves
Rapid, remote sensing with a coherent comb infrared spectrometer
Multichannel continuous-wave terahertz imaging
A novel broadband probe for near-field imaging and spectroscopy from DC to THz
Attenuated total reflection spectroscopy of liquids using GaP Raman terahertz spectrometer
Dynamics of biomolecules in water by terahertz time-domain attenuated total reflection spectroscopy
THz spectroscopic investigation of selected purines and amino acids
High-field magneto-spectroscopy in HgSe and HgTe up to 225 Tesla
Effect of magnetic field on optical and electronic properties of doped Cd[subscript x]Mn[subscript 1-x]Te semimagnetic semiconductor
Measurement of the terahertz faraday effect in III-V semiconductors
Precision measurement of complex permittivity and permeability by microwave cavity perturbation technique
High frequency dielectric measurements of liquids and solids
Infrared radiation induced spin photocurrents in GaN low-dimensional structures
Terahertz spectroscopy of materials with electronic correlations
Design and performance of the 600-720 GHz ALMA band 9 cartridge
Development of electronically tuned local oscillators for ALMA

Phase noise of sources for multiplication to MM-wave frequencies

Frequency domain terahertz spectroscopy

A high pulsed power frequency doubler to 190 GHz

A 300-GHz heterostructure barrier varactor (HBV) frequency septupler

Characterization of a quantum cascade laser as local oscillator in a heterodyne receiver at 2.5 THz

Extended interaction klystrons for submillimeter applications

Microfabricated W-band traveling wave tubes

Analytical theory of microwave sources with transversely nonuniform interaction space

High-power millimeter-wave harmonic generator

Carbon nanotube bundle-based cold cathodes for THz tube sources

Design and test of a submillimeter-wave backward wave oscillator

High-power millimeter-wave magnicon amplifier

Laboratory simulation at microwave frequencies of auroral kilometric radiation emission mechanisms

Global features of the total vertical absorption of atmosphere at 10-1000 GHz range

An adaptive spectroellipsometric technology for the precise real-time measurements of the quality of natural and waste waters

Modal analysis of teflon photonic crystal fiber as a terahertz waveguide

Photonic-band structure of multi-layer photonic crystals

Study of wave interference in 1D photonic band gap structures

Terahertz photonic crystal waveguides

Fabrication of a two dimensional photonic crystal using deep vertical etching of polyethylene terephthalate plastic

Design and fabrication of an infrared planar reflector using carbon nanotubes

Terahertz electroluminescence from AlSb/GaSb quantum cascade laser structure

Electrical discharge excitation of plasmoid in liquid medium

Control of electromagnetic waves by 2-d plasma photonic crystals

"Self-action" of a weakly-relativistic charge in a cylindrical drift tube

Investigation of drift waves in semiconducting multilayered structure

A 300 GHz collective scattering system for low temperature plasmas

Theoretical study on Vavilov-Cherenkov radiation in Hermitian media

Quasi-continuous submillimeter optical discharge on Novosibirsk free-electron laser : experiments and elementary theory

Stimulated radiation from water medium excited by electrical discharge

A new design of flat top pass band arrayed waveguide grating

Design and fabrication of waveguide-couple CW-photomixers for millimetre-wave and THz applications using low temperature grown GaAs photoconductors

Microwave plasma source as an ozone generator

A high-temperature superconductive photomixer/antenna array source for terahertz applications
Modeling of photoconductive terahertz photomixers

Modeling of high-temperature superconductive terahertz photomixers

Frequency dependence of the harmonic radiation power emitted by a GaAs/AlAs superlattice diode in the terahertz frequency range

Receiver development for 300-3000 GHz region

High resolution chirp transform spectrometer

Countertuitive behavior of electron temperature in terahertz-driven heterojunctions

1THz harmonic generation from sub-THz oscillating resonant tunneling diode

Mutual injection locking between sub-THz oscillating resonant tunneling diodes

Optical beam profiles of terahertz quantum cascade lasers with a metal-metal waveguide

Highly sensitive fast Schottky-diode detectors in experiments on Novosibirsk free electron laser

Numerical simulation of long wavelength photovoltaic HgCdTe photodiodes

Effects of carrier degeneracy and conduction band non-parabolicity on the simulation of HgCdTe photovoltaic devices

Uncharacteristic behavior in low temperature of conductive polypyrrole detected by temperature-dependent terahertz transmission spectroscopy

Microwave plasma catalyst

Vibrational spectroscopy of isolated clusters in the gas phase using the free electron laser 'FELIX'

Molecular interaction studies of acrylic esters with alcohols

Investigation of microwave spectrum of molecules in a stochastic field

Terahertz transmission of subwavelength planar fractals

Methodology and hardware of terahertz BWO-spectroscopy

Infrared absorption spectrum of magnesium double donors in silicon

Determination of dielectric properties and molecular structure of acetyl aceton and its solutions is N-heptanes

Variable temperature measurements of the dielectric properties of lossy materials in W-band

High frequency ESR measurements of thiospinel CuCrZrS$_4$

Microcavity THz quantum cascade laser

Far-infrared absorption of DAST: theoretical study

Application of terahertz spectroscopy to abused drug analysis

Negative photoconductivity due to coherent trapping of electrons in n-GaAs

Differentiation of optical active form and racemic form of amphetamine-type stimulants by terahertz spectroscopy

Measurements of the complex refractive index properties of the liquid crystal materials by using the w-band waveguide test cell

Development of a new commercial THz-TDS instrument

Spectral THz ellipsometer for the unambiguous determination of all Stokes parameters

Measurement of loss tangent of dielectric ad semiconductor materials at millimeter waves and temperatures 0.9-300K