The cryostat for deformation of crystals at low temperatures

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The cryostat was worked out, helped to deform the crystals at 80 K with different degree of deformation and to register luminescence, absorption and thermally activated characteristics of crystals, also to record the ionic and thermally stimulated currents of the dipole defects of depolarization. The degree of crystals deformation is given by compressing screw pitch which is equal to 1mm at a complete revolution of the crystal holder. The construction of the cryostat allows to set experimentally the desired degree of crystals deformation. Deformation can be removed from the crystal and re-update at different temperatures.