Symbol	Typ	Titel
G	**Sektion**	**SECTION G — PHYSICS**
G01	**Untersektion**	**INSTRUMENTS**
G01	**Klasse**	**MEASURING (counting G06M); TESTING**
G01T	**Unterklasse**	**MEASUREMENT OF NUCLEAR OR X-RADIATION (radiation analysis of materials, mass spectrometry G01N; counters per seG06M, H03K; electric discharge tubes for analysing radiation or particles H01J 40/00, H01J 47/00, H01J 49/00)**
G01T 1/00	**Hauptgruppe**	**Measuring X-radiation, gamma radiation, corpuscular radiation, or cosmic radiation (G01T 3/00, G01T 5/00 take precedence) [2]**
G01T 1/02	1-Punkt Untergruppe	. Dosimeters (G01T 1/15 takes precedence; measuring exposure time to X-rays H05G 1/28) [2]
G01T 1/04	2-Punkt Untergruppe	. . Chemical dosimeters (G01T 1/06, G01T 1/08 take precedence)
G01T 1/06	2-Punkt Untergruppe	. . Glass dosimeters
G01T 1/08	2-Punkt Untergruppe	. . Photographic dosimeters (photosensitive materials or processes for photographic purposes G03C)
G01T 1/10	2-Punkt Untergruppe	. . Luminescent dosimeters
G01T 1/105	3-Punkt Untergruppe	. . . Read-out devices (G01T 1/115 takes precedence) [2]
G01T 1/11	3-Punkt Untergruppe	. . . Thermo-luminescent dosimeters
G01T 1/115	4-Punkt Untergruppe	. . . . Read-out devices [2]
G01T 1/12	2-Punkt Untergruppe	. . Calorimetric dosimeters
G01T 1/14	2-Punkt Untergruppe	. . Electrostatic dosimeters (construction of ionisation chambers H01J 47/02)
G01T 1/142	3-Punkt Untergruppe	. . . Charging devices; Read-out devices [2]
G01T 1/15	1-Punkt Untergruppe	. Instruments in which pulses generated by a radiation detector are integrated, e.g. by a diode pump circuit (pulse rate meters in general G01R 23/02)
G01T 1/16	1-Punkt Untergruppe	. Measuring radiation intensity (G01T 1/29 takes precedence) [2]
G01T 1/161	2-Punkt Untergruppe	. . Applications in the field of nuclear medicine, e.g. in vivo counting (applying radioactive material to the body A61M 36/00) [2]
G01T 1/163	3-Punkt Untergruppe	. . . Whole-body counters [2]
G01T 1/164	3-Punkt Untergruppe	. . . Scintigraphy (radio isotopes G21G 4/00; tracers G21H 5/00) [2]
G01T 1/166	4-Punkt Untergruppe	. . . . involving relative movement between detector and subject [2]
G01T 1/167	2-Punkt Untergruppe	. . Measuring radioactive content of objects, e.g. contamination (whole-body counters G01T 1/163) [2]
G01T 1/169	2-Punkt Untergruppe	. . Exploration, location of contaminated surface areas (prospecting by the use of nuclear radiation, natural or induced G01V 5/00) [2]
G01T 1/17	2-Punkt Untergruppe	. . Circuit arrangements not adapted to a particular type of detector
G01T 1/172	3-Punkt Untergruppe	. . . with coincidence circuit arrangements (G01T 1/178 takes precedence) [2]
G01T 1/175	3-Punkt Untergruppe	. . . Power supply circuits (converters H02M) [2]
G01T 1/178	3-Punkt Untergruppe	. . . for measuring specific activity in the presence of other radioactive substances, e.g. natural, in the air or in liquids such as rain-water [2]

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G01T 1/18	2-Punkt Untergruppe	. . with counting-tube arrangements, e.g. with Geiger counters (tubes H01J 47/00)
G01T 1/185	2-Punkt Untergruppe	. . with ionisation-chamber arrangements (construction of ionisation chambers H01J 47/02) [2]
G01T 1/20	2-Punkt Untergruppe	. . with scintillation detectors
G01T 1/202	3-Punkt Untergruppe	. . . the detector being a crystal
G01T 1/203	3-Punkt Untergruppe	. . . the detector being made of plastics
G01T 1/204	3-Punkt Untergruppe	. . . the detector being a liquid
G01T 1/205	3-Punkt Untergruppe	. . . the detector being a gas
G01T 1/208	3-Punkt Untergruppe	. . . Circuits specially adapted for scintillation detectors, e.g. for the photo-multiplier section [2]
G01T 1/22	2-Punkt Untergruppe	. . with Cerenkov detectors
G01T 1/24	2-Punkt Untergruppe	. . with semiconductor detectors (semiconductor detectors per seH01L 31/00)
G01T 1/26	2-Punkt Untergruppe	. . with resistance detectors
G01T 1/28	2-Punkt Untergruppe	. . with secondary-emission detectors (secondary-electron-emitting electrodes in general H01J 1/32)
G01T 1/29	1-Punkt Untergruppe	. Measurement performed on radiation beams, e.g. position or section of the beam; Measurement of spatial distribution of radiation (scintigraphy G01T 1/164) [2]
G01T 1/30	1-Punkt Untergruppe	. Measuring half-life of a radioactive substance
G01T 1/32	1-Punkt Untergruppe	. Measuring polarisation of particles
G01T 1/34	1-Punkt Untergruppe	. Measuring cross-section, e.g. absorption cross-section of particles
G01T 1/36	1-Punkt Untergruppe	. Measuring spectral distribution of X-rays or of nuclear radiation
G01T 1/38	2-Punkt Untergruppe	. . Particle discrimination and measurement of relative mass, e.g. by measurement of loss of energy with distance (dE/dx) [2]
G01T 1/40	2-Punkt Untergruppe	. . Stabilisation of spectrometers [2]
G01T 3/00	**Hauptgruppe**	**Measuring neutron radiation (G01T 5/00 takes precedence) [2]**
G01T 3/02	1-Punkt Untergruppe	. by shielding other radiation
G01T 3/04	1-Punkt Untergruppe	. using calorimetric devices
G01T 3/06	1-Punkt Untergruppe	. with scintillation detectors [2]
G01T 3/08	1-Punkt Untergruppe	. with semiconductor detectors (semiconductor detectors per seH01L 31/00) [2]
G01T 5/00	**Hauptgruppe**	**Recording of movements or tracks of particles (spark chambers H01J 47/00); Processing or analysis of such tracks [2]**
G01T 5/02	1-Punkt Untergruppe	. Processing of tracks; Analysis of tracks
G01T 5/04	1-Punkt Untergruppe	. Cloud chambers, e.g. Wilson chamber
G01T 5/06	1-Punkt Untergruppe	. Bubble chambers
G01T 5/08	1-Punkt Untergruppe	. Scintillation chambers (discharge tubes H01J 40/00, H01J 47/00; semiconductor devices H01L)
G01T 5/10	1-Punkt Untergruppe	. Plates or blocks in which tracks of nuclear particles are made visible by after-treatment, e.g. using photographic emulsion, using mica

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G01T 5/12	1-Punkt Untergruppe	. Circuit arrangements with multi-wire or parallel-plate chambers, e.g. spark chambers (tubes per seH01J 47/00) [2]
G01T 7/00	**Hauptgruppe**	**Details of radiation-measuring instruments**
G01T 7/02	1-Punkt Untergruppe	. Collecting-means for receiving or storing samples to be investigated
G01T 7/04	2-Punkt Untergruppe	. . by filtration
G01T 7/06	2-Punkt Untergruppe	. . by electrostatic precipitation (G01T 7/04 takes precedence)
G01T 7/08	1-Punkt Untergruppe	. Means for conveying samples received
G01T 7/10	2-Punkt Untergruppe	. . using turntables
G01T 7/12	1-Punkt Untergruppe	. Provision for actuation of an alarm