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ACRONYM	MEANING
A/D	Analog-to-digital
A/P	Anterior-posterior
AAARA	As accurate as reasonably achievable
AAD	Aminoadipic acid
AAHP	American Academy of Health Physics
AAMD	American Association of Medical Dosimetrists
AAMI	Association for the Advancement of Medical Instrumentation
AAMSI	American Association for Medical Systems and Informatics
AAPM	American Association of Physicists in Medicine
AAPT	American Association of Physics Teachers
ABC	Active breathing control
ABC	Automatic brightness control
ABCC	Atomic Bomb Casualty Commission (now RERF)
ABET	American Board for Engineering and Technology
ABFM	Brazilian Medical Physics Association
ABL	Atmospheric boundary layer
ABMP	American Board of Medical Physics
ABMS	American Board of Medical Specialties
ABNM	American Board of Nuclear Medicine
ABR	American Board of Radiology
ABS	American Brachytherapy Society
ABS	Automatic brightness system (for fluoroscopy)
ABSNM	American Board of Scientists in Nuclear Medicine
ABST	Anatomy-based segmentation tool
ABVD	Adriamycin, bleomycin, vinblastine, and DTIC
ABWR	Advanced boiling water reactor
a.c.	Alternating current
ACA	Automated coronary analysis
ACARA	As conformable as is reasonably achievable
ACC	American College of Cardiology
ACC/AHA	American College of Cardiology/American Heart Association
ACE	American Council on Education
ACE	Army Corps of Engineers
ACGIH	American Conference of Governmental Industrial Hygienists
ACGME	Accreditation Council for Graduate Medical Education
ACL	Administrative control level
ACL	Administrative control limit
ACM	Active contour modes
ACM	Asbestos containing material
ACMP	American College of Medical Physics
ACMUI	Advisory Committee on Medical Use of Isotopes
ACNP	American College of Nuclear Physicians
ACOSOG	American College of Surgeons Oncology Group
ACP	American College of Physicians
ACP	Automated clinical practice
ACR	Absolute cryogenic radiometer

ACR	American College of Radiology
ACR-MAP	American College of Radiology Mammography Accreditation Program
ACR-SBBAP	American College of Radiology Stereotactic Breast Biopsy Accreditation Program
ACR BRIADS	American College of Radiology Breast Imaging Reporting and Data System
ACRIN	American College of Radiology Imaging Network
ACRO	American College of Radiation Oncology
ACRR	Annular Core Research Reactor
ACRS	Advisory Committee on Reactor Safeguards
ACS	Acute confusional state
ACS	Advanced characterization system
ACS	Alternate cleanup standard
ACS	American Cancer Society
ACS	American Chemical Society
ACTH	Adrenocorticotrophic hormone
ACTS	Automated Computer Time Service
AD	Alzheimer's disease
AD	Analog to digital
AD	Androgen deprivation
AD	Average depth
ADC	Analog-to-digital converter
ADC	Apparent diffusion coefficient
ADC	Automatic dose rate control
ADCL	Accredited Dosimetry Calibration Laboratory
ADDR	Advantage depth dose rate
ADH	Anti-diuretic hormone
ADMIT	Analytical detection methods for the irradiation treatment of foods
ADP	Adenosine diphosphate
ADPO	Administrative Data Process Oversight Committee
ADPRT	Adenosine-diphosphate-ribosyl-transferase
ADR	ALARA design review
ADS	Automatic depressurization system
ADSL	Asynchronous digital subscriber link
ADT	Admitting, discharge, transfer
ADU	Analog-to-digital units
ADW	Absorbed dose to water
AE	Application entity
AEC	Atomic Energy Commission (now U.S. DOE)
AEC	Automatic exposure control
AECB	Atomic Energy Control Board
AECL	Atomic Energy of Canada Limited
AED	Acceptable emergency dose
AEDC	Arnold Engineering Development Center
AEMB	Alliance for Engineering in Medicine and Biology
AEOI	Atomic Energy Organization of Iran
AEPI	U.S. Army Environmental Policy Institute Health and Environmental
AES	American Endocurietherapy Society

AET	Application entity title
AET	Automatic exposure termination
AEV	Avian erythroblastosis virus
AF	Absorbed fractions
AF	Accelerated fractionation
AF	Area fraction
AFC	Automatic frequency control
AFF	Atomic form factor
AFGL	Air Force Geophysics Laboratory
AFM	Atomic force microscope
AFO	Amorphous ferric oxyhydroxide
AFOSR	Air Force Office of Scientific Research
AFP	Alpha-fetoprotein
AFPL	Air Force Phillips Laboratory
AFRAT	Air Force Radiological Assistance Team, U.S. Department of Defense
AFRRI	Armed Forces Radiobiology Research Institute
AFUM	Average fraction under the minimum
AGC	Automatic gain control
AGD	Average glandular dose
AGSO	Australian Geological Survey Organization
AHCPR	Agency for Health Care Policy and Research
AHE	Adaptive histogram equalization
AHF	Accelerated hyperfractionation
AHFMR	Alberta Heritage Foundation for Medical Research, Canada
AHSC	Arizona Health Sciences Center
AHT	Acute hematologic toxicity
AI	Alveolar interstitial region
AI	Artificial intelligence
AI	Associative ionization
AI	Atomics International
AIA	American Institute of Architects
AIAA	American Institute for Aeronautics and Astronautics
AID	Absolute intensity difference
AIDS	Acquired immune deficiency syndrome
AIGER	American Industry Government Emissions Research Consortium
AIHA	American Industrial Hygiene Association
AIP	American Institute of Physics
AIPR	Applied imagery and pattern recognition
AIUM	American Institute of Ultrasound in Medicine
AJCC	American Joint Committee on Cancer
AJR	American Journal of Roentgenology
AKI	Angular kinetic impact
AKS	Air kerma strength
AL	Action limit
ALA	Aminolevulinic acid
ALARA	As low as reasonably achievable
ALATA	As long as it is technologically achievable
ALG	Advanced Lithography Group
ALG	Antilymphocytoglobulin
ALI	Annual limit on intake

ALL	Acute lymphoblastic leukemia
ALMR	Advanced liquid metal cooled reactor
ALS	Amyotrophic lateral sclerosis
ALS	Automated library system
ALSG	Advance Launch Support Group
ALV	Avian leukemia virus
AM	Amplitude modulation
AMAD	Activity median aerodynamic diameter
AMC	Army Materiel Command
AMD	Activity median diameter
AMD	Aerodynamic mean diameter
AMDD	Activity median diffusive diameter
AMEDD	Army Medical Department
AMFPD	Amorphous silicon flat-panel detector
AMFPI	Active matrix flat-panel imager
AML	Abandoned mine lands
AML	Acute myelogenous leukemia
AMLCD	Active matrix liquid crystal flat-panel display
AML M2	Acute myelogenous leukemia type M2
AML M4	Acute myelogenous leukemia type M4
AMMAC	Mexican Metrology Association
AMO	Atomic, molecular and optical
AMP	Accredited Medical Physicist
AMP	Authorized Medical Physicist
AMS	Accelerator-mass spectrometry
AMS	Aerial Measurements System, U.S. Department of Energy
AMTD	Activity median thermodynamic diameter
ANC	Absolute neutrophil counts
AND	Accumulated normalized dose
ANI	American Nuclear Insurers
ANL	Argonne National Laboratory
ANL-W	Argonne National Laboratory West
ANLL	Acute non-lymphocytic leukemia
ANN	Artificial neural network
ANP	Atrial natriuretic peptide
ANP	Authorized nuclear pharmacist
ANPR	Advanced Notice of Proposed Rulemaking
ANRCP	Amarillo National Resource Center for Plutonium
ANS	American Nuclear Society
ANS	Autonomic nervous system
ANSI	American National Standards Institute
ANSI	American Nuclear Standards Institute
ANSOM	Apertureless near-field scanning optical microscopy
ANSTO	Australian Nuclear Science and Technology
ANVIS	Aviator Night Vision Imaging System
AOBNM	American Osteopathic Board of Nuclear Medicine
AOBR	American Osteopathic Board of Radiology
AOC	Area of environmental concern
AOP	Automatic optimization of parameters
AP	Alkaline permanganate
AP	Anterior-posterior

APAS	Annular phase array system
APAS	Astrophysical, planetary, and atmospheric sciences
APC	Adenomatous polyposis coli gene
APC	Ambulatory payment classification
APC	Ambulatory payment codes
APHA	American Public Health Association
APHIS	Animal and Plant Health Inspection Service
API	Application program interface
APL	Acute promyelocytic leukemia
APL	Applied Physics Laboratory
APO	Adriamycin, vincristine, and prednisone
APOMA	American Precision Optics Manufacturers Association
APR	Anatomically programmed radiography
APRF	Army Pulse Radiation Facility
APS	Advanced photon source
APS	American Physical Society
APT	Accelerator production of tritium
APT	Annular proton telescope
APUD	Apocrine precursor uptake and decarboxylation
AR	Adaptive response
AR	Advantage ratio
AR	Army regulation
ARAC	Atmospheric release advisory capability
ARC	Australian Research Council
ARCO	Atlantic-Richfield Company
ARD	Average radial derivative
ARDMS	American Registry of Diagnostic Medical Sonographers
ARF	Administrative reduction factor
ARG	Accident Response Group, U.S. Department of Energy
ARIO	Advanced Radiological Incidents Operations
ARL	Alderson Research Laboratories
ARM	Area radiation monitor
ARM	Associate in Risk Management
ARNA	American Radiological Nurses Association
ARO	Army Research Office
ARP	Automated radiology practice
ARPA	Advanced Research Projects Agency of the Department of Defense
ARPANSA	Australian Radiation Protection and Nuclear Safety Agency
ARPES	Angle resolved photoelectron spectroscopy
ARRS	American Roentgen Ray Society
ARRT	American Registry of Radiologic Technologists
ARS	Acute radiation syndrome
ARSC	Army Radiation Safety Council
ART	Adaptive radiation therapy
ART	Algebraic reconstruction technique
ARVFS	Army re-entry vehicle facility site
ARW	Atomic radiation worker
AS	Anti scatter
ASA	American Statistical Association
ASCA	Advanced Satellite for Cosmology and Astrophysics

ASCII	American standard code for information exchange
ASCO	American Society of Clinical Oncology
ASD	Atrial septal defect
ASHRAE	American Society of Heating, Refrigerating, and Air Conditioning Engineers
ASIC	Application specific integrated circuit
ASIR	Age-standard incidence rates
ASIS	American Society for Industrial Security
ASLBP	Atomic Safety and Licensing Board Panel
ASME	American Society for Mechanical Engineers
ASMR	Age-standard mortality rates
ASNE	Assistant Secretary for Nuclear Energy
ASNT	American Society of Nondestructive Testing
ASRT	American Society of Radiologic Technologists
ASSI	Airglow solar spectrometer instrument
AST	Aboveground storage tank
ASTER	Advance spaceborne thermal emission and reflectance radiometer
ASTM	American Society for Testing and Materials
ASTRO	American Society for Therapeutic Radiology and Oncology
ASV	Avian sarcoma virus
AT	Adipose tissue
AT	Ataxia telangiectasia
ATB	At time of bombing
ATC	Advanced Technology Consortium
ATD	Above-threshold dissociation
ATD	Alpha track detector
ATI	Above-threshold ionization
ATLAS	Atmospheric Laboratory for Applications and Science
ATM	Adobe type manager
ATM	Asynchronous transfer mode
ATP	Acceptance test procedure
ATP	Adenosine triphosphate
ATP	Advanced Technology Program
ATV	All terrain vehicle
ATW	Accelerator transmutation of waste
AU	Authorized user
AUA	American Urological Association
AUC	Ammonium uranyl carbonate
AURA	Association of Universities for Research in Astronomy
AV	Aortic valve
AV	Atrioventricular node
AVDCS	Audio, video, and dosimetric control system
AVIR	Association of Vascular and Interventional Radiographers
AVLIS	Atom vapor laser isotopic separation
AVM	Arteriovenous malformation
AVP	Avalanche photodiode
AWWT	Advanced waste water treatment
AXAF	Advanced X-ray Astrophysical Facility
AXAF-I	Advanced X-ray Astrophysical Facility-Imaging
AXAF-S	Advanced X-ray Astrophysical Facility-Spectroscopy

B

ACRONYM	MEANING
B+F	Base plus fog
B-ISDN	Broadband integrated services digital network
B/M	Benign/malignant
BACOP	Bleomycin, doxorubicin, cytoxan, vincristine, prednisone
BALSO	Bay Area Laser Safety Officer
BAM	Bundesanstalt für Materialforschung und Prüfung/ Federal Institute for Materials Research and Testing, Germany
BAMC	Brooke Army Medical Center
BANG	Bis acrylamide nitrogen gelatine
BANN	Bayesian artificial neural network
BARC	Bhabha Atomic Research Centre, India
BAS	Beam authorization sheet
BASIC	Beginner's all purpose symbol instruction code computer language
BAT	Best available technology
BAT	Biodosimetry assessment tool
BAT,	B-mode Acquisition and Targeting System
BB	Blackbody
BB	Broadband width
BBB	Blood-brain-barrier
BBIR	Broadband infrared
BBO	Broad-barium borate
BBXRT	Broadband x-ray telescope
BCC	Broadband calibration chamber
BCG	Bacille Calmette-Guerin, vaccination
BCLDP	Battelle Columbus Laboratories Decommissioning Project
BCNU	Bichloroethylnitrosourea
BCO	Battelle Columbus Operations
BCRU	British Committee on Radiation Units and Measurements
BCRUM	British Committee on Radiation Units and Measurements
BCS	Bardeen-Cooper-Schrieffer theory of superconductivity
BCS	Beam containment system
BCS	Bragg crystal spectrometer
BCT	Breast conserving therapy
BCW	Bulk chemical warehouse
BD	Basal dose
BE	Binding energy
BEARS	Berkeley Experiments with Accelerated Radioactive Species
BEB	Beyond evaluation basis
BEB	Binary-encounter-bethe
BEC	Bose-Einstein condensation
BED	Binary-encounter-dipole
BED	Biological effective dose
BED	Biological equivalent dose
BEEM	Ballistic electron emission spectroscopy

BEES	Building for Environmental and Economic Stability
BEIR	Biological Effects of Ionizing Radiation
BEN	Biological effect number
BER	Bit error rates
BERT	Background equivalent radiation time
BERT	Beta Energy Restinosis Trial
BEV	Beam's-eye view
BEV	Bundesamt für Eich-und Vermessungswesen, Vienna, Austria
BF	Backscatter factor
BF	Bucky factor
BFRL	Building and Fire Research Laboratory
BG	Background
BGO	Bismuth germanate
BGSM	Bowman Gray School of Medicine
BI-RADS	Breast imaging-reporting and data system
BIA	Biospecific interaction analysis
BIB	Blocked impurity band
BID	Two daily fractions
BIFL	Burst integrated fluorescence
BIML	Bureau Internationale de Métrologie Legale
BIP	Block-iterative projections
BIPM	Bureau International des Poids et Mesures/ International Bureau of Weights and Measurements, France
BIS	Beam imaging system
BJR	British Journal of Radiology
BL	Beam line at SURF-III
BL	Burkitt lymphome
BLL	Blood lead level
BLM	Beam loss monitoring
BLM	Bureau of Land Management
BM	Bending magnet
BM	Bone marrow
BMA	Bone marrow ablation
BMCM	Bulk Materials Control Manual
BMCP	Bulk Materials Control Program
BMDO	Ballistic Missile Defense Organization
BME	Biomedical engineering
BMI	Battelle Memorial Institute
BMR	Basal metabolic rate
BMT	Bone marrow transplant
BNCT	Boron neutron capture therapy
BNDVH	Biologically normalized dose volume histogram
BNED	Biochemical disease-free survival
BNL	Brookhaven National Laboratory
BNLMRR	Brookhaven National Laboratory Medical Research Reactor
BNM	Bureau National de Metrologie/National Bureau of Metrology, France
BNM-INM	Institut National de Metrologie (BNM)
BNM-LNE	Laboratoire National d'Essais (BNM)
BNM-LNE/LAMA	Laboratoire André Marie Ampère (BNM)

BNM-LNHB	Laboratoire National Henri Becquerel (BNM)
BNM-SYRTE	Systèmes de Référence Temps Espace (BNM)
BNN	Bayesian neural network
BOD	Biochemical oxygen demand
BOID	Block overlap isofrequency distribution
BOLD	Blood oxygenation level dependent
BOMA	Building Owners and Managers Association
BOMAB	Bottle mannikin absorption phantom
BOP	Balance of plant system
BOPP	Boronated porphyrin
BOT	Beam on time
BP	Blood pressure
BP	Bragg peak
BPA	Boronated phenylalanine (ρ -boronophenylalanine)
bpi	Bits per inch
BPM	Best-partial-match
BPN	Back-propagation neural network
BRC	Below regulatory concern
BRDF	Bidirectional reflectance distribution function
BRH	Bureau of Radiological Health
BRI	Basic rate interface
BRP	Bureau of Radiation Protection
BRW	Brown-Roberts-Wells
BS	Beamstopper
BSC	Board of Scientific Counselors
BSD	Bone-surface dose
BSDF	Bidirectional scattering distribution function
BSE	Backscattered electron (imaging)
BSF	Backscatter factor
BSH	Sulfhydryl-containing polyhedryl borane
BSO	Bilateral salphingo-oophorectomy
BSOIC	Beam shut-off ionization chamber
BSS	Basic safety standards
BSS.2	Bate-particle secondary standards system
BSSB	Dimer of the BSH compound
BTCCG	Brain Tumor Cooperative Group
BTF	Back to front
BTP	Branch technical position
BTPS	Body temperature, pressure, and water vapor saturation
BTU	British thermal unit
BTV	Biological target volume
BudR	Bromodeoxyuridine
BUGS	Bayesian inference using Gibbs sampling software
BUN	Blood, urea, nitrogen
BVAMC	Brooklyn Veterans Administration Medical Center
BWO	Backward wave oscillator
BWR	Boiling water reactor
BXR	BMDO transfer radiometer
BZA	Breathing zone air



ACRONYM	MEANING
C&A	Control & Auxiliary
C-O	Close-opening
C-RBE	Compound-relative biological effectiveness
C-RT	Conventional radiotherapy
C/S	Convolution/superposition
CA	Central axis
CA	Chromosome aberration
CA	Conformal avoidance (radiotherapy)
CA	Controlled area
CAA	Clean Air Act
CaB-CS	Case-based classifier system
CABG	Coronary artery bypass grafting
CAD	Computer-aided design
CAD	Computer-aided diagnosis
CAD	Computer-aided detection
CAD	Coronary artery disease
CADD	Computer-assisted differential diagnosis
CAI	Computer-aided instruction
CAIR	Continuous accelerated irradiation
CAL	Calibration
CAL	Computer-aided learning
CAL	Confirmatory action letter
CALGB	Cancer and Leukemia Group B
CALLA	Common acute lymphocytic leukemia antigen
CALMA	Computer-Aided Library for Mammography
CAM	Computer-aided matching
CAM	Continuous air monitor
CAMAC	Computer automated measurement and control
CAMD	Center for Advanced Microstructures and Devices
CAMH	Comprehensive Accreditation Manual for Hospitals
CAMI	CT assisted matrix inversion
CAMOS	Committee on Atomic, Molecular and Optical Sciences
CAMPEP	Commission on Accreditation of Medical Physics Education Program
CAMPI	Computer images of mammographic phantom images
CAMPS	California Medical Physics Society
CANDU	Canadian Deuterium Uranium Reactor
CAO	Carlsbad Area Office
CAP	Cisplatin, cyclophosphamide, and adriamycin
CAP	College of American Pathologists
CAPDD	Central axis percent depth dose
CAQ	Certificate of Additional Qualifications
CARB	Center for Advanced Research in Biotechnology
CARS	Coherent anti-stokes Raman spectroscopy
CARS	Computer-assisted radiology and surgery

CART	Coronary artery radiation therapy
CASS	Calibration accuracy support system
CAST	Council of Agricultural Science and Technology
CASTOR	Counting and amplifying system for radiation detection
CAT	Collaborative access team
CAT	Cytosine-adenine-thymine
CAUBO	Canadian Association for University Business Officers
CAX	Central axis
CBC	Complete blood count
CBCRI	Canadian Breast Cancer Research Initiative
CBE	Clinical breast examination
CBER	Center for Biologics Evaluation and Research, U.S. Food and Drug Administration
CBNM	Central Bureau for Nuclear Measurements
CBP	Customs and Border Protection, United States
CBR	Cased based reasoning
CBR	Chemical, biological, and radiological
CBT	Computer-based training
CC	Computer-controlled; control computer
CC	Cranial-caudal
CCAS	Cape Canaveral Air Station
CCC	Command and control center
CCD	Charge-coupled device
CCDM	Consultative Committee for the Definition of the Meter
CCDS	Consultative Committee for the Definition of the Second
CCDTL	Coupled cavity drift tube linac
CCE	Consultative Committee on Electricity
CCEMRI	Comité Consultatif pour les Étalons de Mesure des Rayonnements Ionisants/Consultative Committee for Standards of Measuring Ionizing Radiations, France
CCF	Cleveland Clinic Foundation
CCG	Calibration Coordination Group
CCG	Children's Cancer Group
CCITT	Consultative Committee on International Telegraphy and Telephony
CCL	Coupled cavity linac
CCP6	Collaborative Computational Project 6
CCPM	Canadian College of Physicists in Medicine
CCPR	Consultative Committee on Photometry and Radiometry
CCRI	Comité Consultatif des Rayonnements Ionisants
CCRS	Computer-controlled radiotherapy system
CCRT	Computer-controlled conformal radiation therapy
CCTF	Consultative Committee for Time and Frequency
CCTV	Closed-circuit television
CCW	Counterclockwise
CD	Compact disk
CD	Continuous discharge
CD	Contrast detail
CD-R	Compact disk-recordable
CD-ROM	Compact disk-read only memory

CDA	Cardiac digital angiography
CDC	Centers for Disease Control and Prevention
CDDI	Copper distributed data interface
CDDP	Cis diamminedichloroplatinum (cisplatin)
CDE	Committed dose equivalent
CDF	Cumulative density function
CDF	Cumulative distribution function
CDMC	Contact decontamination and maintenance cell
CDRH	Center for Devices and Radiological Health, U.S. Food and Drug Administration
CDS	Change Detection System
CDZ	Cadmium zinc telluride
CE	Classification error
CE	Collecting electrode
CE	Conversion efficiency
CEA	Carcinoembryonic antigen
CEAK	Cumulative entrance air kerma
CEC	Commission of the European Communities
CEDE	Committed effective dose equivalent
CEDR	Comprehensive Epidemiologic Data Resource
CEI	Commission Electrotechnique Internationale, France
CEL	Correlated emission laser
CEM	Centro Español de Metrología/Center for Metrology, Spain
CEMRC	Carlsbad Environmental Monitoring Research Center
CEN	Comité Européen de Normalisation/European Committee for Standardization
CENAM	Centro Nacional de Metrología/ National Center for Metrology, Mexico
CEO	Chief executive officer
CEOG	Combustion Engineering Owners Group
CEP	Catalytic extraction process
CEPN	Centre d'étude sur l'Evaluation de la Protection dans le domaine Nucléaire/Center for Study on the Evaluation of Nuclear Protection, France
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERE	Consortium for Environmental Risk Evaluation
CERES	Clouds and earth's radiant energy system
CERT	Center for Environmental Radiation Toxicology
CESD	Cumulative entrance skin dose
CET	Coefficient of equivalent thickness
CF	Calibration factor
CF	Cine film
CFC	Chlorofluorocarbon
CFD	Computational fluid dynamics
CFD	Cumulative frequency distribution
CFI	Color flow imaging

CFMRI	Comité Français pour la Mesure des Rayonnements Ionisants/French Committee for Measuring Ionizing Radiations
CFO	Chief financial officer
CFR	Code of Federal Regulations
CFRT	Conformal radiation therapy
CFS	Constant-final-state spectroscopy
CFU	Colony forming unit
CGA	Color graphics adapter
CGA	Compressed Gas Association
CGE	Cobalt gray equivalent
CGPM	Conférence Générale des Poids et Mesures/General Conference on Weights and Measures
CGS	Centimeter-gram-second
CGT	Cytosine-guanine-thymine
CH-TRU	Contact handled transuranic
CHART	Continuous hyperfractionated accelerated radiation therapy
CHCS	Composite Health Care System, U.S. Department of Defense
CHEM-1	Chemistry
CHF	Congestive heart failure
CHIPS	¹⁴ C, ³ H, ¹²⁵ I, ³² P, ³⁵ S
CHIT	Chemistry high impact team
Cho	Choline
CHOP	Cytosan, doxorubicin, vincristine, prednisone
CHP	Certified Health Physicist
CI	Confidence interval
CI	Conformity index
CIAE	China Institute of Atomic Energy
CIAQ	Committee on Indoor Air Quality
CID	Charge injection device
CIE	Commission Internationale de l'Éclairage/International Commission on Illumination
CIEMAT	Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas/Research Center for Energy, Environment, and Technology, Spain
CIF	Contrast improvement factor
CIFS	Common Internet file system
CII	Contrast improvement index
CIPM	Consultative Committee for Ionizing Radiations
CIRG	Critical Incident Response Group
CIRMS	Council on Ionizing Radiation Measurements and Standards
CIRRPC	Committee on Interagency Radiation Research and Policy Coordination
CIS	Cancer Information Service
CiS	Carcinoma <i>in situ</i>
CIS	Center for Imaging Science
CIS	Constant-initial state spectroscopy
CL	Casting laboratory
CLDRI	Continuous low dose rate irradiation
CLE	Consequential late effect

CLL	Chronic lymphatic leukemia
CLS	Curvilinear structures
CM.	Co-occurrence matrix
CMA	Crane maintenance area
CMAD	Count median aerodynamic diameter
CMC	Calibration measurement capabilities
CMD	Count median diameter
CMDD	Count median diffusive diameter
CMDF	Contrast-maintaining-dose factor
CME.	Continuing medical education
CMI	Czech Metrology Institute
CMIS	Common Management Information Service, International Standards Organization
CML.	Chronic myelocytic leukemia
CML.	Chronic myelogenous leukemia
CMM	Cutaneous meloanoma metastasis
CMOP	Cytosan, vincristine, procarbazine, prednisone
CMOS	Complementary metal oxide semiconductor
CMP	Compactness measure
CMR	Colossal magnetoresistance
CMS	Center for Medicare and Medicaid Services
CMT.	Combined chemotherapy and radiation
CMTD	Count median thermodynamic diameter
CMV.	Cytomegalovirus
CMYK	Cyan, magenta, yellow, black
CNEA.	Comisión Nacional de Energía Atómica/National Commission on Atomic Energy, Argentina
CNEH	Centre National de l'Expertise Hospitalier/ National Center for Hospital Expertise, France
CNIF	Californium Neutron Irradiation Facility
CNRF.	Cold neutron research facility
CNRI	Corporation for National Research Initiatives
CNS.	Central nervous system
CNT.	Contour measure
CNTS.	Clinical neutron therapy system
CO.	Cardiac output
COC	Contaminants of concern
COCATS	Core Cardiology Training Symposium
COD.	Chemical oxygen demand
CODATA.	Committee on Data for Science and Technology
CODE	Committed organ dose equivalent
COE.	College of Engineering
COG	Candu Owner's Group
COG	Center of gravity
COG	Children's Oncology Group
COI	Cost of illness
COMAR	Code of Maryland Regulation
COMM.	Communications
COMP	Canadian Organization of Medical Physics
COMS	Collaborative Ocular Melanoma Study

CORM	Council for Optical Radiation Measurements
COSPAR	Committee on Space Research
COV	Coefficient of variation
CP	Cor pulmonale
CPC	Charge to pulse converter
CPD	Cyclobutyl pyrimidine dimer
CPE	Charged particle equilibrium
CPE	Copper point of entry
CPIC	International Physics Center, Elba
CPK	Cell population kinetic
CPM	Counts per minute
CPR	Cardiopulmonary resuscitation
CPT	Conjugation, parity, and time
CPT	Current procedural terminology
CPU	Central processing unit
CQI	Continuous quality improvement
CR	Cascaded rectifier accelerator
CR	Central ray
CR	Computed radiography
CRA	Clinical research associates
CRADA	Cooperative Research and Development Agreement
CRB	Control rod blade
CRCPD	Conference of Radiation Control Program Directors, Inc.
CRDS	Cavity-ring-down spectroscopy
CRE	Cumulative radiation effect
CRF	Case report form
CRL	Chalk River Laboratory
CRL	Communications Research Laboratory
CRP	Coordinated research program
CRS	Clinical review system
CRT	Cathode ray tube
CRT	Chemoradiotherapy
CRT	Conformal radiation therapy
CRW	Cosman-Roberts-Wells
CRYRING	Electron Accelerator and Storage Ring Facility, Stockholm, Sweden
CS	Clinical staging/clinically staged
CSA	Commission on Standards and Accreditation
CSD	National Guard Civil Support Detachment
CSDA	Continuous slowing down approximation
CSEWG	Cross Section Evaluation Working Group
CSF	Cerebrospinal fluid
CSF	Collimator scatter factor
CSF	Colony stimulating factor
CSG	Council of State Governments
CSHEMA	Campus Safety, Health, and Environmental Management Association
CSI	Compton scatter imaging
CSI	Craniospinal irradiation

CSIC	Consejo Superior de Investigaciones Cientificas/Superior Advice of Scientific Researches, Spain
CSIR	Council of Scientific and Industrial Research, New Delhi, India
CSIR-NML	CSIR-National Metrology Laboratory, New Delhi, India
CSIRO	Commonwealth Scientific and Industrial Research Organisation, Australia
CSMA-CD	Carrier-sense multiple access-collision detector
CSPP	Computer Systems Policy Project
CSU	Combined standard uncertainty
CT	Calcitonin
CT	Chemotherapy
CT	Computed tomography
CTA	Computed tomography angiography
CTDEP	Connecticut Department of Environmental Protection
CTDI	Computed tomography dose index
CTDI	Computed tomography dosimetry index
CTEP	Cancer Therapy Evaluation Program
CTI	Critical Technologies Institute
CTIA	Cellular Telephone Industry Association
CTL	Cytotoxic T lymphocytes
CTLM	CT laser mammography
CTN	Central test node
CTR	Cardiothoracic ratio
CTSU	Cancer Trials Support Unit
CTSU	Clinical Trial Service Unit (Oxford)
CTV	Clinical target volume
CTVDR	Conformal treatment verification, delivery, and recording
CTX	WPRT (whole-pelvic radiotherapy) + chemotherapy
CV	Cardiovascular system
CV	Coefficient of variation
CV	Constant volume
CV	Cross validation
CV	Curriculum vitae
CVA	Cerebrovascular accident
CVCP	Committee of Vice-chancellors and Principals, United Kingdom
CVD	Chemical vapor deposition
CVIA	Cumulative verification image analysis
CVS	Cardiovascular system
CVS	Chorionic villus sampling
CW	Clockwise
CW	Continuous wave
CWG	Collaborative Working Group
CWLF	Classified waste landfill
CWLM	Cumulative working level month
CWT	Chest wall thickness
Cx	Circumflex coronary artery
CXRT	Conformal external beam radiotherapy
CY	Calendar year
CZT	Cadmium zinc telluride

D

ACRONYM	MEANING
D/A	Digital-to-analog
D&D	Decontamination and decommissioning
D-V	Dose volume
D-W	Depth-width (ratio)
DA	Detector array
DA	Digital angiography
DA	Digital-to-analog
DAASR	Digital acquisition, analysis, storage, and retrieval
DAC	Derived air concentration
DAC	Digital-to-analog conversion
DAHANCA	Danish Head and Neck Cancer Study
DAL	Derived action level
DALM	Diazoluminomelanin
DAMP	Dose Assessment/Management Plan
DAO	Direct aperture optimization
DAP	Dose area product
DARPA	Defense Advanced Research Projects Agency
DAS	Data acquisition system
DASC	Direct access storage device
DAT	Digital audio tape
DATTA	Diagnostic and therapeutic technology assessment
DAW	Dry active waste
DBA	Design/evaluation basis accident
DBMS	DataBase Management Systems
DC	Decommissioning contractor
d.c.	Direct current
DCA	Directional coronary atherectomy
DCC	Deleted in colorectal carcinoma
DCD	Differential computer diagnosis
DCF	Disassembly/conversion facility
DCF	Dose conversion factor
DCGL	Derived concentration guideline level
DCI	Digital coronary imager
DCIS	Digital carcinoma <i>in situ</i>
DCIS	Ductal carcinoma <i>in situ</i>
DCM	M x m difference matrix
DCNR	Department of Conservation and Natural Resources
DCP-AES	Direct-current plasma-atomic emission spectroscopy
DCR	Digitally composited radiograph
DCT	Daily constancy tool
DCT	Discrete cosine transform
DCT	Division of Cancer Treatment
DD	Density difference
DD	Depth dose
DDC	Density-to-dose curve
DDE	Deep dose equivalent
ddf	Depth dose fraction

DDHCC	Daniel Den Hoed Cancer Center, Rotterdam, The Netherlands
DDL	Digital drive level
DDREF	Dose and dose rate effectiveness factor
DDRP	Diode dosimetry reference point
DDS	Detailed design specification
DDSM	Digital database for screening mammography
DDT	Dichlorodiphenyl trichloroethane
DE	Dose equivalent
DECON	Decontamination
DEF	Dose enhancing factor
DEHS	Division of Environmental Health and Safety
DEI	Diffraction enhanced imaging
del	Detector element
DES	Data encryption standard
DES	Diethylstilbestrol
DF	Decontamination factor
Df	Degrees of freedom
DF	Digital fluoroscopy
DF	Distance factor
DFext	Dose factor external
DFint	Dose factor internal
DFM	Danish Institute of Fundamental Metrology
DFT	Discrete Fourier transform
DGC	Depth-gain compensation
DGMP	Deutsche Gesellschaft für Medizinische Physik
DGPS	Differential global positioning system
DHCP	Decentralized hospital computer program
DHEW	Department of Health, Education and Welfare
DHHS	Department of Health and Human Services
DHS	Department of Homeland Security
DI	Deep inspiration
DI	Diagnostic imaging
DIBH	Deep inspiration breath hold
DICOM	Digital Imaging and Communications in Medicine
DICOM-RT	Digital Imaging and Communications in Medicine-Radiotherapy
DIE	Digital input encoder
DIL	Derived investigation level
DIN	Deutsches Institut für Normung/German Institute for Standards
DIN	Digital imaging networks
DINS	Digital Imaging Network System, U.S. Army R&D Command
DIRB	Diagnostic Imaging Research Branch
Dist	Type of distribution of calcification
DKFZ	Deutsches Krebsforschungszentrum/German Cancer Research Center
DL	Decision level (analytical)
DL	Digital luminescence radiography
DL	Dose limit
DL&MLGP	Distant Learning & Medical Link Grant Program
DLC	Delay line canceller
DLIX	Delithiating ion exchanger
DLL	Dynamic link library

DLLP	Daily laser and light field plate
DLM	Dose length histogram
DLT	Digital linear tape
DM	Delivery modification
DM	Digital mammography
DMA	Defense Mapping Agency
DMAP	Diagnostic Modality Accreditation Program
DMF	Dose modifying factor
DMF	Dynamic modulation factor
dMLC	Dynamic multileaf collimator
DMM	Digital multimeter
DMSO	Dimethylsulfoxide
DMU	Dose monitor unit
DNA	Deoxyribonucleic acid
DNCB	2,4-dinitrochlorobenzene
DNFSB	Defense Nuclear Facilities Safety Board
DO	Dissolved oxygen
DOC	Decommissioning operations contractor
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOELAP	Department of Energy Laboratory Accreditation Program
DOI	Department of Interior
DOJ	Department of Justice
DOP	Di-octyl-phtalate
DORT	Discrete Ordinates Code
DOS	Department of State
DOS	Disk operating system
DOT	Department of Transportation
DOT	Diffuse optical tomography
DP	Decommissioning plan
DPA	Dose area products
DPB	Differential pencil beam
DPCM	Differential pulse code modulation
DPD	Detector-to-patient distance
DPETAP	Domestic Preparedness Equipment Technical Assistance Program
DPF	Dose perturbation factor
DPK	Dose point kernel
DPLA	Danish Primary Laboratory for Acoustics
DPM	Disintegrations per minute
DPP	Decommissioning project plan
DPPC	Dipalmitoylphosphatidylcholine
DPR	Direct penetrating radiation
DPS	Disintegrations per second
DPW	Directorate of Public Works
DQA	Data quality assessment
DQE	Detective quantum efficiency
DQO	Data quality objectives
DR	Digital radiography
DRAM	Dynamic random access memory
DRC	Dynamic range control
DREF	Dose rate effectiveness factor

DRF	Dose reduction factor
DRG	Diagnostic related groupings
DRIP	Detector response intercomparison program
DRL	Derived reference level
DRL	Derived response level
DRP	Discrete radioactive particles
DRR	Digitally reconstructed radiograph
DRS	Data receiver server
DS	Double sampling
DS86	Dosimetry system for atomic bombings
DSA	Digital subtraction angiography
DSA	Dose spread array
DSAR	Defueled safety analysis report
dSAR	Differential scatter-air ratio
DSB	Decommissioning support building
DSB	Double strand break
DSC	Differential scattering cross section
DSD	Diaphragm to skin distance
DSF	Decommissioning support facility
DSH	Dose-surface histogram
DSH ADV	Dose-surface histogram for the adventitial contours
DSH LUM	Dose-surface histogram for the lumen
DSL	Digital subscriber line
DSM	Distribution separation measure
DSP	Digital signal processor
DSS	Dynamic scattering system
DSV	Diameter of the spherical volume
DT	Deuterium-tritium
DTA	Distance-to-agreement
DTIC	Dacarbazine
DTIC	Defense Technical Information Center
DTO	Tritiated heavy water
DTPA	Diethylenetriaminepentaacetic acid
DTRA	Defense Threat Reduction Agency
DU	Depleted uranium
DUV	Deep ultraviolet
DV	Delta volume
DVA	Leaf sequence file
DVD	Digital video disks
DVH	Dose-volume histogram
DVI	Interactive digital video
DVM	Digital voltmeter
DVP	Digital video processor
DVS	Dose volume spectrum
DVT	Deep vein thrombosis
DWCE	Density-weight contrast enhancement
DWDM	Dense wave division multiplexing
DWF	Dynamic wedge factor
DWPF	Defense waste processing facility
DWR	Depth-to-width ratio
DZO	⁶⁴ Zn-depleted zinc oxide

E

ACRONYM

MEANING

E-E.	End expiration
E-I	End inspiration
E-M	Electromagnetic radiation
E-MDA	Environmental minimum detectable amount
EADL	Evaluated Atomic Data Library, Lawrence Livermore National Laboratory
EAEA	Egyptian Atomic Energy Agency
EAF	Electric arc furnace
EAL	Emergency action level
EAMP.	Egyptian Association of Medical Physics
EAP	Etoposide, adriamycin, and csplatinum-platinum
EB	Empirical Bayesian
EB	Epstein-Barr virus
EBCM	Extended boundary condition method
EBCTC.	Early Breast Cancer Trialists Collaboration
EBIS.	Electron beam ion source
EBIT.	Electron beam ion trap
EBM.	Evidence based medicine
EBR.	Experimental breeder reactor
EBRT.	External beam radiation therapy
EBV	Epstein-Barr virus
Ec	Electron capture
EC	Electron capture
EC	Environment of care
EC	European collaboration
EC	European Commission
EC	Executive Committee
EC	Experimental classification
EC-L	Enhanced contrast localization
ECCS.	Emergency Core Cooling System Exhaust Monitors
ECF	Extracellular fluid
ECG.	Electrocardiogram
ECHED	European Charged Heavy Particle Dosimetry Group
ECL	Effective coverage length
ECM.	Extracellular matrix
ECOG	Eastern Cooperative Oncology Group
ECP	Effective core potential
ECP	Electrochemical plant
ECP	Electrochemical potential
ECP	Engineering change proposal
ECPR.	Electrically calibrated pyroelectric radiometer
ECR.	Electron-cyclotron resonance
ECRIS	Electron-cyclotron resonance ion source
ECS.	Energy-corrected-sudden

ECSED	Electronic commerce in scientific and engineering data
ECT	Electron conformal therapy
ECUT	Electron cutoff energy
ECWG	Electron Collaborative Working Group
ED	Effective dose
ED	Electronic dosimeter
ED&D	Engineering development & demonstration
EDCF	Effective dose conversion factor
EDE	Effective dose equivalent
EDF	Energy dose factor
EDG	Edginess-measure
EDL	Environmental decision level
EDM	Electrodischarge machining
EDR	Enhanced dynamic range
EDR	Exposure data recognizer
EDTA	Ethylenediaminetetraacetic acid
EDV	End-diastolic volume
EDX	Energy-dispersive x-ray analysis
EE	Electronic equilibrium
EED	Exoelectron dosimetry
EEEL	Electronics and Electrical Engineering Laboratory
EEG	Electroencephalogram
EEL	External elastic lamina
EELS	Electron energy loss spectroscopy
EEM	External elastic membrane
EEO	Equal employment opportunity
EEP	Einstein equivalence principle
EER	Entrance exposure rate
EERII	Entrance exposure rate to the image intensifier
EFOMP	European Federation of Organizations for Medical Physics
EFOV	Extended field of view
EPFY	Effective full power year
EGA	Enhanced graphics adapter
EGD	Esophagogastroduodendoscopy
EGF	Epidermal growth factor
EGFR	Epidermal growth factor receptor
EGS	Electron gamma shower series
EH&S	Environmental Health & Safety
EHBD	Extrahepatic biliary duct
EHD	Environmental Health Directorate, Canadian
EHF	Environmental Health Facility
ehp	Electron-hole pair
EIC	Extensive intraductal component
EIF	Electronic ion filter
EISA	Extended industry standard architecture
EKG	Electrocardiogram
ELCA	Excimer laser coronary angioplasty
ELF	Extremely low frequency
ELISA	Enzyme linked immuno absorbent assay
ELO	Elongation

ELS	Eastern launch site
ELT	Electronics laboratory technician
EM	Electromagnetic
EM	Environmental management
EM	Expectation-maximization
EMA	Extra mural absorption
EMC	Electromagnetic compatibility
EMC	Elevated measurement comparison
EMF	Electromagnetic field
EMG	Electromyogram
EMI	Electromagnetic interference
EML	Environmental Measurements Laboratory
eMLC	Electron multileaf collimator
EMM	Electromechanical manipulator
EMPA	Eidgenössische Materialprüfung-und Forschungsanstalt/ Swiss Federal Laboratories for Materials, Testing, and Research
EMR	Electromagnetic radiation
EMR	Electronic medical record
EMRCET	Electromagnetic Radiation Case Evaluation Team
EMS	Emergency medical services
ENDF	Evaluated nuclear data file
ENDL	Evaluated Nuclear Data Library
ENEA-INMRI	Ente per le Nuove Tecnologie, l'Energia e l'Ambiente-Istituto Nazionale di Metrologia delle Radiazioni Ionizzanti/Agency for New Technology, Energy and Environment- National Institute for Measurement of Ionizing Radiations, Italy
ENIAC	Electronic Numerical Integrator and Calculator
ENSDF	Devaluated nuclear structure data file
ENT	Ear, nose and throat specialist
ENTOMB	Entombment
EOB	End of block
EOD	Emergency ordnance disposal
EOD	Erasable optical disk
EOF	Emergency off-site facility
EOG	Electro-oculogram
EOL	End of life
EORTC	European Organization for Research and Treatment of Cancer
EOS	Earth observing system
EP	Emergency plan
EP	Emitted photon
EPA	Environmental Protection Agency
EPD	Electronic pocket dosimeter
EPDL	Evaluated Photon Data Library
EPI	Echo planar imaging
EPIC	Earth polychromatic imaging camera
EPID	Electronic portal imaging device
EPR	Einstein-Podolsky-Rosen model
EPR	Electron paramagnetic resonance

EPRI.	Electric Power Research Institute
EPRI.	Electron paramagnetic resonance imaging
EPRI.	European Parliaments Research Initiative
EPS.	Encapsulated postscript (file format)
EPSRC.	Engineering and Physical Sciences Research Council
EPZ.	Emergency planning zone
ER.	Emergency report
ER.	Estrogen receptor
ER.	Events report
ERATO.	Exploratory Research for Advanced Technology Office
ERC.	Environmental restoration contractor
ERCP.	Endoscopic retrograde cholangiopancreatography
ERD.	Extrapolated response dose
ERDA.	Energy Research and Development Agency
ERDF.	Environmental restoration disposal facility
ERDS.	Emergency response data system
EREMP.	Emergency Radiological Environmental Monitoring Program
ERF.	Edge response function
ERF.	Extended range film
ERG.	Electroretinogram
ERGIS.	Emergency response graphic interface system
EROS.	Electric resonance optothermal spectrometer
ERP.	Effective radiated power
ERR.	Excess relative risk
ERT.	Evidence Response Team
ERV.	Expiratory reserve volume
ESA.	Environmental Site Assessment
ESA.	European Space Agency
ESAK.	Entrance surface air kerma
ESB.	Electrical substitution bolometer
ESC.	European Society of Cardiology
ESDI.	Enhanced small device interface
ESDIAD.	Electron-stimulated desorption ion angular distributions
ESE.	Entrance skin exposure
ESER.	Entrance skin exposure rate
ESF.	Edge spread function
ESF.	Equivalent square field
ESH.	Environmental Safety and Health
ESLF.	Extracellular lung surface-lining fluid
ESO.	European Southern Observatory
ESP.	Encapsulating security payload
ESR.	Electrical substitution radiometer
ESR.	Electron spin resonance
ESR.	Experimental storage ring
ESS.	Energy selection system
ESSAP.	Environmental Survey and Site Assessment Program
ESTSC.	Energy Science and Technology Software Center
ESTRO.	European Society of Therapeutic Radiology and Oncology
ESTV.	Equivalent simple treatment visit
ESU.	Electrostatic unit

ESV	End-systolic volume
ET	Epidemiological table
ET	Extrathoracic
ETAR	Equivalent tissue-to-air ratio
ETD	Extrapolated tolerance dose
ETI	Environmental Technology Initiative
ETRAN	Monte Carlo computer code for electrons and photons through extended media
ETS	Environmental Technology Section
ETS	Environmental tobacco smoke
EUD	Equivalent uniform dose
EUR/OPE	Electrons used in reduction/oxidation procedure electrons
EURADOS	European Radiation Dosimetry Group
EURATOM	European Nuclear Energy Organization
EUROMET	European collaboration in measurement standards
EUS	Endoscopic ultrasound
EUV	Extreme ultraviolet
EUVE	Extreme ultraviolet explorer
EWS	Ewing's sarcoma
EXAFS	Edge x-ray absorption fine structure

F

ACRONYM	MEANING
f-FCM	Fast fuzzy c-means
¹⁸ F-FDG-PET	Fluorodeoxyglucose radiolabeled with fluorine-18 positron emission tomography
FACS	Fluorescence-activated cell sorting
FAD	FASCAL absolute detector
FAD	Focal-axis distance
FAM	5-FU, doxorubicin and mitomycin
FAO	Food and Agriculture Organization of the United Nations
FAP	Familial adenomatous polyposis
FAP	Fused aluminosilicate particles
FAPESP	Fundação de Amparo à Pesquisa do Estado de São Paulo/Foundation of Support to the Research of the State of São Paulo, Brazil
FARCAL	Facility for advanced radiometric calibrations
FAS	Fetal alcohol syndrome
FASCAL	Facility for automatic spectroradiometric calibrations
FASS	Fixed air sampling system
FAST	Fluence adaptation strategy techniques
FB	Free breathing
FBI	Federal Bureau of Investigation
FBDT	Fuzzy binary decision tree
FBP	Filtered back projection
FBR	Fast breeder reactor
FC	Faraday cup
FC	Function controller
FCB	Fission converter beam
FCC	Federal Communication Commission
FCCC	Fox Chase Cancer Center, Philadelphia, Pennsylvania
FCCMPE	Federal Communication Commission Maximum Permissible Exposure
FCCSET	Federal Coordinating Council Science, Engineering and Technology
FCDA	Federal Civil Defense Administration
FCDC	Fundamental Constants Data Center
FCF	Facility correction factors
FCM	Fuel containing mass
FCM	Fuzzy c-means
FCO	Flight Control Officer
FCPM	Fundamental constants and precision measurements
FD	Film digitizer
FD&C Act	Food, Drug & Cosmetic Act
FD-TD	Finite-difference time-domain
FDA	Food and Drug Administration, United States
Fdam	Fraction of functional lung units damaged



FDD	Fractional depth dose
FDDI	Fiber distributed data interface
FDF	Fractionation dosage factor
FDFD	Finite difference frequency domain
FDG	Fluoro-2-deoxy-D-glucose
FDM	Fractal dimension measure
FDSB	Filled drum storage bunker
FE	Finite element
FE	Front end
FEA	Field-emitter array
FED	Field-emitter display
FEL	Free electron laser
FEM	Front end model
FEM	Finite element method
FEMA	Federal Emergency Management Agency
FEMA/FRERP	FEMA Federal Radiological Emergency Response Plan
FEMP	Fernald Environmental Management Project
FEP	Free erythrocyte protoporphyrin
FES	Federal Environmental Statement
FET	Field effect transistor
FF	Fourier-descriptor measure
FFA	Fast Fourier algorithm
FFC	Federal Facilities Council
FFCA	Federal Facilities Compliance Act
FFD	Focal-film distance
FFDDM	Full-field direct digital mammography
FFDM	Full-field digital mammography
FFID	Fast flux irradiation device
FFM	Fat free mass
FFS	Failure-free survival
FFT	Fast Fourier transform
FGF	Fibroblast-growth-factor
FGR	Fetal growth restriction
FGT	Fibroglandular tissue
FHSR	Final Hazards Summary Report
FI	Fluorescence imaging
FID	Focal spot to intensifier distance
FID	Free induction decay
FIDLER	Field instrument for the detection of low-energy radiation
FIMS	Fissionable isotope mass standards
FIR	Far infrared
FIRST	First Independent Research Support and Transition Award
FISH	Fluorescence <i>in situ</i> hybridization
FISP	Fast image with steady state processing
FIT	Flexible intraoperative template
5-YBDFS	Five-year biochemical disease-free survivals
FLAIR	Fluid attenuated inversion recovery
FLASH	Fast low-angle shot
FLIM	Fluorescent lifetime imaging microscopy
FLIR	Forward-looking infrared radiometer

FLPPS	Federal laser produce performance standard
FLS	First line supervisor
FLV	Friend leukemia virus
FM	Film-screen mammography
FM	Frequency modulation
FMECA	Failure mode effects criticality analysis
FMPC	Feed Materials Production Center
fMRI	Functional magnetic resonance imaging
FMS	Facility management system
FN	False negative
FNA	Fine needle aspiration
FNF	False negative fraction
FNR	Ford Nuclear Reactor
FNT	Fast neutron therapy
FO	Fiber optic
FO	Foramen ovale
FOD	Focal-spot-to-object distance
FOE	First optics enclosure
FOM	Figure of merit
FORTTRAN	Formula translating program
FOS	Faint object spectrograph
4-D	Four-dimensional
4-D IVUS	Four-dimensional intravascular ultrasound
4 C's	Control rate, cure rate, complication rate, cost (of radiation therapy)
4GL	Fourth generation language
4 R's	Repair, repopulation, redistribution, reoxygenation (of radiobiology)
4 R's	Repair, repopulation, reoxygenation, reassortment (of radiobiology)
FOV	Field of view
FP	False positive
FP5	Fifth framework program
FPC	Fullerene Production Chamber
FPD	Flat-panel display
FPE	Field placement error
FPF	False positive fraction
FPLA	Field-programmable logic array
FPR	False positive reduction
FPS	Focalization project system
fps	Frames per second
FPXRF	Field portable x-ray fluorescence
FR	Facility representative
FR	Filtered radiometer
FR	Flow rate
FRAT	First-responder radiological assessment triage
FRC	Federal Radiation Council
FRC	Functional residual capacity
FRD	Focal receptor distance
FRET	Fluorescence resonant energy transfer

FRMAC	Federal Radiological Monitoring and Assessment Center
FRN	Federal Register Notice
FROC	Fractional receiver operating characteristic
FROC	Free response operating characteristic
FS	Film-screen
FS	Forward selection
FSAR	Final Safety Analysis Report
FSD	Field size dependence
FSD	Focus-skin distance
FSDF	Field size dependence factor
FSH	Follicle stimulating hormone
FSM	Film-screen mammography
FSPB	Finite-size pencil beam
FSS	Film-screen system
FSU	Former Soviet Union
FSU	Functional sub-unit
FT	Fourier transform
FT-IRAS	Fourier transform-infrared reflection absorption spectroscopy
FTA	Fission track analysis
FTB	Front to back
FTE	Full-time equivalent
FTIR	Fourier transform infrared
FTMS	Fourier transform microwave spectroscopy
FTMW	Fourier transform microwave
ftp	File transfer protocol
FTS	Fourier transform spectroscopy
FU	Farmer unit
FudR	Floxuridine
FUI	Functional user interface
FUM	Fraction under the minimum
FUSE	Far ultraviolet spectroscopic explorer
FUSRAP	Formerly Utilized Sites Remedial Action Program
FUV	Far ultraviolet
FVSD	Flow ventricular septal defect
FWHM	Full-width at half maximum
FWPCA	Federal Water Pollution Control Act
FxD	Flat-panel detector
FY	Fiscal year
FZK	Forschungszentrum Karlsruhe/Karlsruhe Research Center, Germany