CMS acronym list

AB	Algorithm Board
AC	Alternating Current
ADC	Analog to Digital Converter
AFEB	Anode Front-End Board, CSC system
AG	Application Gateway
ALCT	Anode Local Charged Track trigger primitive, CSC system
AOD	Analysis Object Data - a compact event format for physics analysis
AOH	Analog Opto-Hybrid
APD	Avalanche Photo-Diode
API	Application Programming Interface
APV	Analogue Pipeline (Voltage mode), front-end read-out chip of Tracker
ASIC	Application Specific Integrated Circuit
ATLAS	A Toroidal LHC ApparatuS experiment
aTTS	Asynchronous Trigger Throttle System
AWG	American Wire Gauge
BMU	Barrel Muon system
BD	Back Disk
BP	Back Petal
BPix	Barrel Pixel
BR	Branching Ratio
BRAN	Beam RAte of Neutrals
BST	Beam Synchronous Timing
BTI	Bunch and Track Identifier trigger primitive, DT system
BU	Builder Unit
BX	Bunch Crossing
BXN	Bunch Crossing Number
CASTOR	Centauro And Strange Object Research
CC	Cosmic Challenge
CCS	Clock and Control System
CCU	Communication and Control Unit
CCUM	Communication and Control Unit Module
CDR	Central Data Recording
CFC	Carbon Fiber Composite

CFEB	Cathode Front-End Board of the CSC system
CLCT	Cathode Local Charged Track trigger primitive, CSC system
CMM	Coordinate Measuring Machine
CMN	Common Mode Noise
CMOS	Complementary Metal Oxide Semiconductor
CMS	Compact Muon Solenoid experiment
CMSSW	CMS SoftWare framework
COSINE	Consistent Online Software INtegration Environment, project integrating online with offline software
CPU	Central Processing Unit
COCOA	CMS Object-oriented Code for optical Alignment
CRAB	CMS Remote Analysis Builder
CRack	Cosmic Rack, a set of TOB rods
CRC	Cyclic Redundancy Check error detection
CSC	Cathode Strip Chamber muon system
CSCTF	Cathode Strip Chamber Trigger Track Finder
D2S	Data to Surface
DAC	Digital to Analog Converter
DAQ	Data Acquisition
DAQMB	Data Acquisition Motherboard, CSC L1 trigger
DBMS	Database Management System
DC	Direct Current
DCC	Data Concentrator Card
DCCT	DC Current Transformer
DCS	Detector Control System
DCU	Detector Control Unit
DDD	Detector Description Database
DDL	Data Description Language
DDU	Detector Dependent Unit in DAQ system
DIP	Data Interchange Protocol (CERN)
DMB	DAQ MotherBoard of CSC system
DOFZ	Diffusion Oxygenated Float Zone
DOH	Digital Opto-Hybrid
DOHM	Digital Opto-Hybrid Module
DQM	Data Quality Monitoring
DQMC	Data Quality Monitoring Collector
DSS	Detector Safety System
DT	Drift Tube muon system
DTTF	Drift Tube Trigger Track Finder, DT L1 trigger
EB	Electromagnetic Calorimeter (Barrel)
ECAL	Electromagnetic Calorimeter
EDM	Event Data Model
EDMS	Engineering Database Management System

EE	Electromagnetic Calorimeter (Endcap)
EIC	Electromagnetic Isolation Card, regional calorimeter trigger
ELMB	Embedded Local Monitoring Board (ECAL)
EMDB	Equipment Management DataBase
EMU	Endcap Muon system
ENC	Equivalent Noise Charge
EP	Event Processor
ES	Endcap preShower detector, also Event Server
ESP	Event Server Proxy
ESS	ECAL Safety System
ETTF	Eta Track Finder, DT regional muon trigger
EVB	EVent Builder
EVF	Event Filter Farm
EVM	Event Manager
FB	FED builder
FD	Front Disk
FDL	Final Decision Logic, L1 Global Trigger
FE	Front-End
FEB	Front-End Board
FEC	Front-End Card, Front End Controller
FED	Front-End Driver
FEE	Front-End Electronics
FES	Front-End System
FENIX	ECAL front-end read-out ASIC
FEVT	Event format comprising the union of RAW and RECO data
FF	Filter Farm
FMM	Fast Merging Module
FIFO	First In First Out buffer
FP	Front Petal
FPGA	Field Programmable Gate Array
FPix	Forward Pixel
FRL	Front-End Read-out Link
FSM	Finite State Machine
FTP	Foil screened Twisted Pair cables
FU	Filter Unit
Gb	Gigabit (10^9 bits)
GB	Gigabyte (10^9 bytes)
GBW	Gain BandWidth product
GCALOR	Computer program for hadron shower calculations
GCT	Global Calorimeter Trigger (L1)
GIF	Gamma Irradiation Facility
GMR	Global Muon Reconstructor
GMT	Global Muon Trigger (L1)

GOH	Giga Optical Hybrid
GOL	Gigabit Optical Link
GPN	General Purpose Network (CERN campus)
GT	Global Trigger (L1)
GTFE	Global Trigger Front-end board (L1)
GTL	Global Trigger Logic board (L1)
GTL+	Gunning Transceiver Logic, upgraded version, developed by Fairchild Semiconductor
GTP	Global Trigger Processor
GTPe	Global Trigger Processor emulator
GUI	Graphical User Interface
H2	Beamline at CERN
HCAL	Hadron Calorimeter
HB	Hadron Calorimeter (Barrel)
HDI	High Density Interconnect
HE	Hadron Calorimeter (Endcap)
HF	Hadron Calorimeter (Forward)
HG	High Gain
HI	Heavy Ion(s)
HIJING	Heavy Ion Jet INteraction Generator, Monte Carlo event generator for heavy-ion collisions
HIP	Hits and Impact Point alignment method, also Highly Ionizing Particle
HLT	High-Level Trigger
HM	Humidity Monitoring
HO	Hadron Calorimeter (Outer Barrel)
HPD	Hybrid Photo-Diode
HTML	HyperText Mark-up Language
HTR	HCAL Trigger and Read-out
HV	High Voltage
IGUANA	Interactive Graphics for User ANAlysis
I^{2}C	Inter-Integrated Circuit
ICB	InterConnect Board (TEC), InterConnect Bus (TOB)
ICC	InterConnect Card
I/O	Input/Output
IOV	Interval Of Validity
IP	Interaction Point or Internet Protocol
ISO	Isolation bit in muon trigger
ISR	Intersecting Storage Ring collider at CERN
JCOP	Joint controls Project at CERN
JSC	Jet Summary Card, in Regional Calorimeter Trigger
JTAG	Joint Test Action Group
kb	kilobit (10^3 bits)
kB	kilobytes (10^3 bytes)

L1	Level-1 hardware-based trigger
L1A	Level-1 Accept
LAN	Local Area Network
LAS	Laser Alignment System
LCG	LHC Computing Grid (a common computing project)
LCT	Local Charged Track trigger primitive of CSC system
LDAP	Lightweight Directory Access Protocol
LED	Light Emitting Diode
LEP	Large Electron Positron collider at CERN
LG	Low Gain
LHC	Large Hadron Collider
LSB	Least Significant Bit
LUT	Lookup table
LTC	Local Trigger Controller
LV	Low Voltage
LVD	Low Voltage Distribution
LVDS	Low Voltage Differential Signaling
LVR	Low Voltage Regulator
MA	Module Alignment
MAB	Module Alignment of Barrel
Mb	Megabit (10^6 bits)
MB	Muon system (Barrel), also Mother Board or Megabyte (10^6 bytes)
MC	Monte Carlo simulation program/technique, also Mini-Crate of DT system
ME	Muon system (Endcap) or Monitoring Element
MEM	Monitoring Electronics Module
mFEC	mezzanine Front End Controller
MGPA	Multiple Gain Pre-Amplifier chip, ECAL
MILLEPEDE	Algorithm for tracker alignment
MIP	Minimum Ionizing Particle
MOS	Metal Oxide Semiconductor
MOSFET	Metal Oxide Semiconductor Field Effect Transistor
MPC	Muon Port Card, CSC L1 trigger
MSS	Magnet Safety System
MT	Mean Time
MTCC	Magnet Test Cosmic Challenge
MTU	Maximum Transfer Unit
NIC	Network Interface Card
NIEL	Non-Ionizing Energy Loss
O2O	Online to Offline
ODBMS	Object Database Management System
OMDS	Online Master Data Storage
OPC	OLE for Process Automation
ORCOF	Offline ReConstruction OFfline subset, conditions database

ORCON	Offline ReConstruction ONline subset, conditions database
OS	Operating System
P5	Point 5 collision area of LHC
PACE	Preshower front end ASIC
PACT	PAttern Comparator Trigger, RPC system
PB	Petabyte (10^{15} bytes)
PC	Personal Computer
PCB	Printed Circuit Board
PCI	Peripheral Component Interconnect
PD	Pixel Detector
PDF	Parton Density Function, also Probability Distribution Function
PHTF	Phi Track Finder, DT regional muon trigger
PLC	Programmable Logic Controller
PLD	Programmable Logic Device
PLL	Phase-Locked Loop
PP	Patch Panel
PLT	Pixel Luminosity Telescope
PS	Proton Synchrotron
PSB	Pipeline Synchronizing Buffer, L1 Global Trigger and Global Muon Trigger
PSX	PVSS SOAP Interface
PTM	Precision Temperature Monitoring, ECAL
PV	Primary Vertex
PVSS	Prozessvisualisierungs- und Steuerungs-System
QIE	Charge Integrator and Decoder, ECAL frontend electronics
QPLL	Quartz Phase-Locked Loop
RAW	Event format from the online containing full detector and trigger data
RB	Read-out Unit Builder, also Resource Broker
RCT	Regional Calorimeter Trigger (L1)
RCS	Run Control System
RECO	Event format for reconstructed objects such as tracks, vertices, jets, etc.
RH	Relative Humidity
RISC	Reduced Instruction Set Computer
RMS	Root Mean Square
ROB	ReadOut Board, DT system
ROC	ReadOut Chip, pixels
ROS	ReadOut Server board, DT system
RPC	Resistive Plate Chamber muon system
RS	Resource Service
RU	Read-out Unit
SAN	Storage Area Network
SC	Sector Collector, DT muon L1 trigger or Super Crystal, ECAL
SCA	Switched Capacitor Array buffer, CSC system
SCADA	Supervisory Control And Data Acquisition

SCX	Surface Control eXperimental building at P5
SDA	Slow Dump Accelerated
SEL	Single Event Lathcup
SEU	Single Event Upset
SFM	SubFarm Manager
Skim	Subset of events selected from a larger set
SLB	Sychronization and Link Board
SM	SuperModule (ECAL) or Storage Manager (DAQ)
SMB	System Mother Board
SMD	Surface Mounted Device
SMS	Short Message Service (mobile phones)
S/N	Signal to Noise ratio
SNMP	Simple Network Management Protocol
SOAP	Simple Object Access Protocol
SPS	Super Proton Synchrotron
SRP	Selective Read-out Processor
SST	Silicon Strip Tracker
STL	Standard Template Library
sTTS	Synchronous Trigger Throttle System
SV	Secondary Vertex
SX5	Surface hall at Point 5 for CMS
T1, T2	Tracking telescopes of TOTEM
TAG	Event index information such as run/event number, trigger bits, etc.
Tb	Terabit (10^{12} bits)
TB	Terabyte (10^{12} bytes)
TBM	Token Bit Manager
TCA	Telecom Computing Architecture
TCC	Trigger Concentrator Card
TCP	Transmission Control Protocol
TCS	Trigger Control System
TDC	Time to Digital Converter
TDR	Technical Design Report
TDSS	Tracker Detector Safety System
TEC	Tracker EndCap
TF	Track-Finder, muon L1 trigger
TIB	Tracker Inner Barrel
TID	Tracker Inner Disks
TIM	Timing Module, Global Trigger and Drift Tube Trigger Track Finder
TMB	Trigger MotherBoard, CSC L1 trigger
TN	Technical Network
TOB	Tracker Outer Barrel
TOTEM	TOTal Elastic and diffractive cross section Measurement
TPD	Tracker Pixel Detector

TPG	Trigger Primitive Generator
TRACO	Track Correlator, DT L1 trigger
TriDAS	Trigger and Data Acquisition project
TRLB	Token Ring Link Board
TS	Trigger Server, DT L1 trigger
TSM	Track Sorter Master, DT L1 trigger
TSS	Track Sorter Slave, DT L1 trigger
TTC	Trigger Timing and Control
TTCex	TTC Encoder and Transmitter
TTCmi	TTC Machine Interface
TTCrx	TTC Receiver
TTS	Trigger Throttling System
UDP	User Datagram Protocol
USC55	Underground Service Cavern at Point 5 for CMS
UXC55	Underground eXperimental Cavern at Point 5 for CMS
VFE	Very Front End
VHDI	Very High Density Interconnect
VME	Versa Module Eurocard
VPT	Vacuum PhotoTriode
WAN	Wide Area Network
WLCG	Worldwide LHC Computing Grid
WLS	WaveLength Shifting
XDAQ	Software framework for CMS Data Acquisition
XML	eXtensible Markup Language
YB	Yoke (Barrel)
YE	Yoke (Endcap)
ZDC	Zero Degree Calorimeter