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# List of Abbreviations

| | |
|---|---|
| SM | Standard Model |
| BSM | Beyond Standard Model |
| EWSB | Electro Weak Symmetry Breaking |
| SUSY | Supersymmetry |
| LHC | Large Hadron Collider |
| LEP | Large Electron Positron |
| CERN | The European Organization for Nuclear Research |
| CC | Charged Current |
| NC | Neutral Current |
| PMNS | Pontecorvo-Maki-Nakagawa-Sakata |
| CKM | Cabibbo-Kobayashi-Masakawa |
| GUT | Grand Unified Theory |
| CP | Charge-Parity |
| RENO | Reactor Experiment for Neutrino Oscillations |
| NDBD | Neutrinoless Double Beta Decay |
| BM | Bi-Maximal |
| TBM | Tri-bimaximal |
| HM | Hexagonal Mixing |
| GRM | Golden Ratio Mixing |
| NH | Normal Hierarchy |
| IH | Inverted Hierarchy |
| ISS | Inverse seesaw |
| eV | Electron Volt |

| | |
|---|---|
| GeV | Giga Electron Volt |
| TeV | Tera Electron Volt |
| RH | Right Handed Neutrino |
| bfp | Best fit point |
| LH | Left handed |
| B+L | Baryon + Lepton |
| LN | Lepton Number |
| VEV | Vacuum Expectation Value |
| BBN | Big Bang Nucleosynthesis |
| CMBR | Cosmic Microwave Background Radiation |
| WMAP | Wilkinson Mass Anisotropy Probe |
| DM | Dark Matter |