
codata

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CONTENTS

1	Getting Started	3
2	Examples	5
3	APIs	7
4	Changelog	35
	Bibliography	41
	Python Module Index	43
	Index	45

Modern Fortran

CODATA

Fundamental physical constants for Modern Fortran according to [CODATA](#).

GETTING STARTED

1.1 Introduction

`codata` is a Fortran library providing the fundamental physical constants according to [CODATA](#). A C API allows usage from C, or can be used as a basis for other wrappers. Python wrapper allows easy usage from Python.

To use `codata` within your `fpm` project, add the following lines to your `fpm.toml` file:

```
[dependencies]
codata = { git="https://github.com/MilanSkocic/codata.git" }
```

The latest `codata` constants (2022) were integrated in `stdlib`. The constants are implemented as derived type which carries the name, the value, the uncertainty and the unit. This library will be complementary to the constants defined in the `stdlib` by providing older values for the constants.

1.2 Dependencies

```
gfortran>=10
fpm>=0.8
stdlib>=0.5
fypp>=3.0
```

1.3 Installation

A Makefile is provided, which uses `fpm`, for building the library.

- On windows, `msys2` needs to be installed. Add the `msys2` binary (usually `C:\msys64\usr\bin`) to the path in order to be able to use `make`.
- On Darwin, the `gcc` toolchain needs to be installed.

Build: the configuration file will set all the environment variables necessary for the compilation

```
chmod +x configure.sh
./configure.sh
make
make install
make uninstall
```

1.4 License

MIT

EXAMPLES

2.1 Fortran

```
! EXAMPLE IN FORTRAN
program example_in_f
  use iso_fortran_env
  use codata
  implicit none

  print '(A)', '##### EXAMPLE IN FORTRAN #####'

  print '(A)', '# VERSION'
  print *, "version = ", get_version()

  print '(A)', '# CONSTANTS'
  print *, "c = ", SPEED_OF_LIGHT_IN_VACUUM%value

  print '(A)', '# UNCERTAINTY'
  print *, "u(c) = ", SPEED_OF_LIGHT_IN_VACUUM%uncertainty

  print '(A)', '# OLDER VALUES'
  print '(A, F23.16)', "Mu_2022(latest) = ", MOLAR_MASS_CONSTANT%value
  print '(A, F23.16)', "Mu_2018 = ", MOLAR_MASS_CONSTANT_2018%value
  print '(A, F23.16)', "Mu_2014 = ", MOLAR_MASS_CONSTANT_2014%value
  print '(A, F23.16)', "Mu_2010 = ", MOLAR_MASS_CONSTANT_2010%value

end program
```

2.2 C

```
/* EXAMPLE IN C */
#include <stdio.h>
#include "codata.h"

int main(void){

  printf("##### EXAMPLE IN C #####\n");
```

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```

printf("%s\n", "# VERSION");
printf("version = %s\n", codata_get_version());

printf("%s\n", "# CONSTANTS");
printf("c = %f\n", SPEED_OF_LIGHT_IN_VACUUM.value);

printf("%s\n", "# UNCERTAINTY");
printf("u(c) = %f\n", SPEED_OF_LIGHT_IN_VACUUM.uncertainty);

printf("%s\n", "# OLDER VALUES");
printf("Mu_2022(latest) = %23.16f\n", MOLAR_MASS_CONSTANT.value);
printf("Mu_2018 = %23.16f\n", MOLAR_MASS_CONSTANT_2018.value);
printf("Mu_2014 = %23.16f\n", MOLAR_MASS_CONSTANT_2014.value);
printf("Mu_2010 = %23.16f\n", MOLAR_MASS_CONSTANT_2010.value);

return 0;
}

```

2.3 Python

```

sys.path.insert(0, "../py/src/")
import pycodata

print("##### EXAMPLE IN PYTHON #####")
print("# VERSION")
print(f"version = {pycodata.__version__}")

print("# Constants")
print(f"c =", pycodata.SPEED_OF_LIGHT_IN_VACUUM["value"])

print("# UNCERTAINTY")
print(f"u(c) =", pycodata.SPEED_OF_LIGHT_IN_VACUUM["uncertainty"])

print("# OLDER VALUES")
print(f"Mu_2022 =", pycodata.MOLAR_MASS_CONSTANT["value"])
print(f"Mu_2018 =", pycodata.constants_2018.MOLAR_MASS_CONSTANT_2018["value"])
print(f"Mu_2014 =", pycodata.constants_2014.MOLAR_MASS_CONSTANT_2014["value"])
print(f"Mu_2010 =", pycodata.constants_2010.MOLAR_MASS_CONSTANT_2010["value"])

```

3.1 Fortran

<https://milanskocic.github.io/codata/ford/index.html>

3.2 C

```
#ifndef CODATA_H
#define CODATA_H
#if _MSC_VER
#define ADD_IMPORT __declspec(dllimport)
#else
#define ADD_IMPORT
#endif

extern char* codata_get_version(void);

typedef struct codata_constant_type{
    char name[65];
    double value;
    double uncertainty;
    char unit[33];
}cct;
```

```
ADD_IMPORT extern const int YEAR_2010;
ADD_IMPORT extern const cct LATTICE_SPACING_OF_SILICON_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_IN_U_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MOLAR_MASS_2010;
ADD_IMPORT extern const cct ALPHA_PARTICLE_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ANGSTROM_STAR_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HERTZ_RELATIONSHIP_2010;
```

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```

ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KILOGRAM_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_1ST_HYPERPOLARIZABILITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_2ND_HYPERPOLARIZABILITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ACTION_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_DENSITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CURRENT_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_DIPOLE_MOM_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_GRADIENT_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POLARIZABILITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POTENTIAL_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_QUADRUPOLE_MOM_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ENERGY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_FORCE_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_LENGTH_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_DIPOLE_MOM_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_FLUX_DENSITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAGNETIZABILITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MASS_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MOMUM_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_PERMITTIVITY_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_TIME_2010;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_VELOCITY_2010;
ADD_IMPORT extern const cct AVOGADRO_CONSTANT_2010;
ADD_IMPORT extern const cct BOHR_MAGNETON_2010;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_EV_T_2010;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_HZ_T_2010;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_INVERSE_METERS_PER_TESLA_2010;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_K_T_2010;
ADD_IMPORT extern const cct BOHR_RADIUS_2010;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_2010;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_EV_K_2010;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_HZ_K_2010;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_INVERSE_METERS_PER_KELVIN_2010;
ADD_IMPORT extern const cct CHARACTERISTIC_IMPEDANCE_OF_VACUUM_2010;
ADD_IMPORT extern const cct CLASSICAL_ELECTRON_RADIUS_2010;
ADD_IMPORT extern const cct COMPTON_WAVELENGTH_2010;
ADD_IMPORT extern const cct COMPTON_WAVELENGTH_OVER_2_PI_2010;
ADD_IMPORT extern const cct CONDUCTANCE_QUANTUM_2010;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_JOSEPHSON_CONSTANT_2010;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_VON_KLITZING_CONSTANT_2010;
ADD_IMPORT extern const cct CU_X_UNIT_2010;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct DEUTERON_G_FACTOR_2010;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_2010;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;

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```

ADD_IMPORT extern const cct DEUTERON_MASS_2010;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct DEUTERON_MASS_IN_U_2010;
ADD_IMPORT extern const cct DEUTERON_MOLAR_MASS_2010;
ADD_IMPORT extern const cct DEUTERON_NEUTRON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct DEUTERON_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct DEUTERON_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct DEUTERON_RMS_CHARGE_RADIUS_2010;
ADD_IMPORT extern const cct ELECTRIC_CONSTANT_2010;
ADD_IMPORT extern const cct ELECTRON_CHARGE_TO_MASS_QUOTIENT_2010;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_G_FACTOR_2010;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_OVER_2_PI_2010;
ADD_IMPORT extern const cct ELECTRON_HELION_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_2010;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_ANOMALY_2010;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_MASS_2010;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct ELECTRON_MASS_IN_U_2010;
ADD_IMPORT extern const cct ELECTRON_MOLAR_MASS_2010;
ADD_IMPORT extern const cct ELECTRON_MUON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_MUON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_TAU_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_TO_ALPHA_PARTICLE_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_HELION_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_TRITON_MASS_RATIO_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_HERTZ_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELECTRON_VOLT_KILOGRAM_RELATIONSHIP_2010;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_2010;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_OVER_H_2010;
ADD_IMPORT extern const cct FARADAY_CONSTANT_2010;
ADD_IMPORT extern const cct FARADAY_CONSTANT_FOR_CONVENTIONAL_ELECTRIC_CURRENT_2010;
ADD_IMPORT extern const cct FERMI_COUPLING_CONSTANT_2010;
ADD_IMPORT extern const cct FINE_STRUCTURE_CONSTANT_2010;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_2010;

```

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```

ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_FOR_SPECTRAL_RADIANCE_2010;
ADD_IMPORT extern const cct HARTREE_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HARTREE_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HARTREE_ENERGY_2010;
ADD_IMPORT extern const cct HARTREE_ENERGY_IN_EV_2010;
ADD_IMPORT extern const cct HARTREE_HERTZ_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HARTREE_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HARTREE_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HARTREE_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HARTREE_KILOGRAM_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HELION_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct HELION_G_FACTOR_2010;
ADD_IMPORT extern const cct HELION_MAG_MOM_2010;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct HELION_MASS_2010;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct HELION_MASS_IN_U_2010;
ADD_IMPORT extern const cct HELION_MOLAR_MASS_2010;
ADD_IMPORT extern const cct HELION_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct HERTZ_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HERTZ_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HERTZ_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HERTZ_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HERTZ_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HERTZ_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct HERTZ_KILOGRAM_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_FINE_STRUCTURE_CONSTANT_2010;
ADD_IMPORT extern const cct INVERSE_METER_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_METER_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_METER_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_METER_HERTZ_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_METER_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_METER_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_METER_KILOGRAM_RELATIONSHIP_2010;
ADD_IMPORT extern const cct INVERSE_OF_CONDUCTANCE_QUANTUM_2010;
ADD_IMPORT extern const cct JOSEPHSON_CONSTANT_2010;
ADD_IMPORT extern const cct JOULE_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct JOULE_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct JOULE_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct JOULE_HERTZ_RELATIONSHIP_2010;
ADD_IMPORT extern const cct JOULE_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct JOULE_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct JOULE_KILOGRAM_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_HERTZ_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KELVIN_KILOGRAM_RELATIONSHIP_2010;

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```

ADD_IMPORT extern const cct KILOGRAM_ATOMIC_MASS_UNIT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KILOGRAM_ELECTRON_VOLT_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KILOGRAM_HARTREE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KILOGRAM_HERTZ_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KILOGRAM_INVERSE_METER_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KILOGRAM_JOULE_RELATIONSHIP_2010;
ADD_IMPORT extern const cct KILOGRAM_KELVIN_RELATIONSHIP_2010;
ADD_IMPORT extern const cct LATTICE_PARAMETER_OF_SILICON_2010;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_100_KPA_2010;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_101_325_KPA_2010;
ADD_IMPORT extern const cct MAG_CONSTANT_2010;
ADD_IMPORT extern const cct MAG_FLUX_QUANTUM_2010;
ADD_IMPORT extern const cct MOLAR_GAS_CONSTANT_2010;
ADD_IMPORT extern const cct MOLAR_MASS_CONSTANT_2010;
ADD_IMPORT extern const cct MOLAR_MASS_OF_CARBON_12_2010;
ADD_IMPORT extern const cct MOLAR_PLANCK_CONSTANT_2010;
ADD_IMPORT extern const cct MOLAR_PLANCK_CONSTANT_TIMES_C_2010;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_100_KPA_2010;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_101_325_KPA_2010;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_SILICON_2010;
ADD_IMPORT extern const cct MO_X_UNIT_2010;
ADD_IMPORT extern const cct MUON_COMPTON_WAVELENGTH_2010;
ADD_IMPORT extern const cct MUON_COMPTON_WAVELENGTH_OVER_2_PI_2010;
ADD_IMPORT extern const cct MUON_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct MUON_G_FACTOR_2010;
ADD_IMPORT extern const cct MUON_MAG_MOM_2010;
ADD_IMPORT extern const cct MUON_MAG_MOM_ANOMALY_2010;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct MUON_MASS_2010;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct MUON_MASS_IN_U_2010;
ADD_IMPORT extern const cct MUON_MOLAR_MASS_2010;
ADD_IMPORT extern const cct MUON_NEUTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct MUON_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct MUON_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct MUON_TAU_MASS_RATIO_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_IN_EV_S_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_IN_MEV_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_LENGTH_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MASS_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMUM_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMUM_IN_MEV_C_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_TIME_2010;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_VELOCITY_2010;
ADD_IMPORT extern const cct NEUTRON_COMPTON_WAVELENGTH_2010;
ADD_IMPORT extern const cct NEUTRON_COMPTON_WAVELENGTH_OVER_2_PI_2010;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MASS_RATIO_2010;

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```

ADD_IMPORT extern const cct NEUTRON_G_FACTOR_2010;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_OVER_2_PI_2010;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_2010;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_MASS_2010;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct NEUTRON_MASS_IN_U_2010;
ADD_IMPORT extern const cct NEUTRON_MOLAR_MASS_2010;
ADD_IMPORT extern const cct NEUTRON_MUON_MASS_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_2010;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_IN_U_2010;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_TAU_MASS_RATIO_2010;
ADD_IMPORT extern const cct NEUTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_2010;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_OVER_H_BAR_C_2010;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_2010;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_EV_T_2010;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_INVERSE_METERS_PER_TESLA_2010;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_K_T_2010;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_MHZ_T_2010;
ADD_IMPORT extern const cct PLANCK_CONSTANT_2010;
ADD_IMPORT extern const cct PLANCK_CONSTANT_IN_EV_S_2010;
ADD_IMPORT extern const cct PLANCK_CONSTANT_OVER_2_PI_2010;
ADD_IMPORT extern const cct PLANCK_CONSTANT_OVER_2_PI_IN_EV_S_2010;
ADD_IMPORT extern const cct PLANCK_CONSTANT_OVER_2_PI_TIMES_C_IN_MEV_FM_2010;
ADD_IMPORT extern const cct PLANCK_LENGTH_2010;
ADD_IMPORT extern const cct PLANCK_MASS_2010;
ADD_IMPORT extern const cct PLANCK_MASS_ENERGY_EQUIVALENT_IN_GEV_2010;
ADD_IMPORT extern const cct PLANCK_TEMPERATURE_2010;
ADD_IMPORT extern const cct PLANCK_TIME_2010;
ADD_IMPORT extern const cct PROTON_CHARGE_TO_MASS_QUOTIENT_2010;
ADD_IMPORT extern const cct PROTON_COMPTON_WAVELENGTH_2010;
ADD_IMPORT extern const cct PROTON_COMPTON_WAVELENGTH_OVER_2_PI_2010;
ADD_IMPORT extern const cct PROTON_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct PROTON_G_FACTOR_2010;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_2010;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_OVER_2_PI_2010;
ADD_IMPORT extern const cct PROTON_MAG_MOM_2010;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct PROTON_MAG_SHIELDING_CORRECTION_2010;
ADD_IMPORT extern const cct PROTON_MASS_2010;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct PROTON_MASS_IN_U_2010;

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ADD_IMPORT extern const cct PROTON_MOLAR_MASS_2010;
ADD_IMPORT extern const cct PROTON_MUON_MASS_RATIO_2010;
ADD_IMPORT extern const cct PROTON_NEUTRON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct PROTON_NEUTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct PROTON_RMS_CHARGE_RADIUS_2010;
ADD_IMPORT extern const cct PROTON_TAU_MASS_RATIO_2010;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_2010;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_TIMES_2_2010;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_2010;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_C_IN_HZ_2010;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_EV_2010;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_J_2010;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_100_KPA_2010;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_101_325_KPA_2010;
ADD_IMPORT extern const cct SECOND_RADIATION_CONSTANT_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_OVER_2_PI_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_OVER_2_PI_2010;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_2010;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct SPEED_OF_LIGHT_IN_VACUUM_2010;
ADD_IMPORT extern const cct STANDARD_ACCELERATION_OF_GRAVITY_2010;
ADD_IMPORT extern const cct STANDARD_ATMOSPHERE_2010;
ADD_IMPORT extern const cct STANDARD_STATE_PRESSURE_2010;
ADD_IMPORT extern const cct STEFAN_BOLTZMANN_CONSTANT_2010;
ADD_IMPORT extern const cct TAU_COMPTON_WAVELENGTH_2010;
ADD_IMPORT extern const cct TAU_COMPTON_WAVELENGTH_OVER_2_PI_2010;
ADD_IMPORT extern const cct TAU_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct TAU_MASS_2010;
ADD_IMPORT extern const cct TAU_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct TAU_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;
ADD_IMPORT extern const cct TAU_MASS_IN_U_2010;
ADD_IMPORT extern const cct TAU_MOLAR_MASS_2010;
ADD_IMPORT extern const cct TAU_MUON_MASS_RATIO_2010;
ADD_IMPORT extern const cct TAU_NEUTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct TAU_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct THOMSON_CROSS_SECTION_2010;
ADD_IMPORT extern const cct TRITON_ELECTRON_MASS_RATIO_2010;
ADD_IMPORT extern const cct TRITON_G_FACTOR_2010;
ADD_IMPORT extern const cct TRITON_MAG_MOM_2010;
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2010;
ADD_IMPORT extern const cct TRITON_MASS_2010;
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_2010;
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_IN_MEV_2010;

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ADD_IMPORT extern const cct TRITON_MASS_IN_U_2010;
ADD_IMPORT extern const cct TRITON_MOLAR_MASS_2010;
ADD_IMPORT extern const cct TRITON_PROTON_MASS_RATIO_2010;
ADD_IMPORT extern const cct UNIFIED_ATOMIc_MASS_UNIT_2010;
ADD_IMPORT extern const cct VON_KLITZING_CONSTANT_2010;
ADD_IMPORT extern const cct WEAK_MIXING_ANGLE_2010;
ADD_IMPORT extern const cct WIEN_FREQUENCY_DISPLACEMENT_LAW_CONSTANT_2010;
ADD_IMPORT extern const cct WIEN_WAVELENGTH_DISPLACEMENT_LAW_CONSTANT_2010;
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ADD_IMPORT extern const int YEAR_2014;
ADD_IMPORT extern const cct LATTICE_SPACING_OF_SILICON_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_IN_U_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MOLAR_MASS_2014;
ADD_IMPORT extern const cct ALPHA_PARTICLE_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ANGSTROM_STAR_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KELVIN_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_1ST_HYPERPOLARIZABILITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_2ND_HYPERPOLARIZABILITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ACTION_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_DENSITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CURRENT_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_DIPOLE_MOM_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_GRADIENT_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POLARIZABILITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POTENTIAL_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_QUADRUPOLE_MOM_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ENERGY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_FORCE_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_LENGTH_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_DIPOLE_MOM_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_FLUX_DENSITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAGNETIZABILITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MASS_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MOMUM_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_PERMITTIVITY_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_TIME_2014;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_VELOCITY_2014;
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ADD_IMPORT extern const cct AVOGADRO_CONSTANT_2014;
ADD_IMPORT extern const cct BOHR_MAGNETON_2014;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_EV_T_2014;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_HZ_T_2014;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_INVERSE_METERS_PER_TESLA_2014;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_K_T_2014;
ADD_IMPORT extern const cct BOHR_RADIUS_2014;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_2014;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_EV_K_2014;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_HZ_K_2014;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_INVERSE_METERS_PER_KELVIN_2014;
ADD_IMPORT extern const cct CHARACTERISTIC_IMPEDANCE_OF_VACUUM_2014;
ADD_IMPORT extern const cct CLASSICAL_ELECTRON_RADIUS_2014;
ADD_IMPORT extern const cct COMPTON_WAVELENGTH_2014;
ADD_IMPORT extern const cct COMPTON_WAVELENGTH_OVER_2_PI_2014;
ADD_IMPORT extern const cct CONDUCTANCE_QUANTUM_2014;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_JOSEPHSON_CONSTANT_2014;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_VON_KLITZING_CONSTANT_2014;
ADD_IMPORT extern const cct CU_X_UNIT_2014;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_G_FACTOR_2014;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_2014;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_MASS_2014;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct DEUTERON_MASS_IN_U_2014;
ADD_IMPORT extern const cct DEUTERON_MOLAR_MASS_2014;
ADD_IMPORT extern const cct DEUTERON_NEUTRON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct DEUTERON_RMS_CHARGE_RADIUS_2014;
ADD_IMPORT extern const cct ELECTRIC_CONSTANT_2014;
ADD_IMPORT extern const cct ELECTRON_CHARGE_TO_MASS_QUOTIENT_2014;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_G_FACTOR_2014;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_OVER_2_PI_2014;
ADD_IMPORT extern const cct ELECTRON_HELION_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_2014;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_ANOMALY_2014;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_MASS_2014;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct ELECTRON_MASS_IN_U_2014;
ADD_IMPORT extern const cct ELECTRON_MOLAR_MASS_2014;
ADD_IMPORT extern const cct ELECTRON_MUON_MAG_MOM_RATIO_2014;

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ADD_IMPORT extern const cct ELECTRON_MUON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_TAU_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_TO_ALPHA_PARTICLE_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_HELION_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_TRITON_MASS_RATIO_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_KELVIN_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELECTRON_VOLT_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_2014;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_OVER_H_2014;
ADD_IMPORT extern const cct FARADAY_CONSTANT_2014;
ADD_IMPORT extern const cct FARADAY_CONSTANT_FOR_CONVENTIONAL_ELECTRIC_CURRENT_2014;
ADD_IMPORT extern const cct FERMI_COUPLING_CONSTANT_2014;
ADD_IMPORT extern const cct FINE_STRUCTURE_CONSTANT_2014;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_2014;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_FOR_SPECTRAL_RADIANCE_2014;
ADD_IMPORT extern const cct HARTREE_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HARTREE_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HARTREE_ENERGY_2014;
ADD_IMPORT extern const cct HARTREE_ENERGY_IN_EV_2014;
ADD_IMPORT extern const cct HARTREE_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HARTREE_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HARTREE_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HARTREE_KELVIN_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HARTREE_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HELION_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct HELION_G_FACTOR_2014;
ADD_IMPORT extern const cct HELION_MAG_MOM_2014;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct HELION_MASS_2014;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct HELION_MASS_IN_U_2014;
ADD_IMPORT extern const cct HELION_MOLAR_MASS_2014;
ADD_IMPORT extern const cct HELION_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct HERTZ_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HERTZ_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HERTZ_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HERTZ_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HERTZ_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct HERTZ_KELVIN_RELATIONSHIP_2014;

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ADD_IMPORT extern const cct HERTZ_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_FINE_STRUCTURE_CONSTANT_2014;
ADD_IMPORT extern const cct INVERSE_METER_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_METER_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_METER_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_METER_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_METER_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_METER_KELVIN_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_METER_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct INVERSE_OF_CONDUCTANCE_QUANTUM_2014;
ADD_IMPORT extern const cct JOSEPHSON_CONSTANT_2014;
ADD_IMPORT extern const cct JOULE_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct JOULE_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct JOULE_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct JOULE_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct JOULE_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct JOULE_KELVIN_RELATIONSHIP_2014;
ADD_IMPORT extern const cct JOULE_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KELVIN_KILOGRAM_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_ATOMIC_MASS_UNIT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_ELECTRON_VOLT_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_HARTREE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_HERTZ_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_INVERSE_METER_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_JOULE_RELATIONSHIP_2014;
ADD_IMPORT extern const cct KILOGRAM_KELVIN_RELATIONSHIP_2014;
ADD_IMPORT extern const cct LATTICE_PARAMETER_OF_SILICON_2014;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_100_KPA_2014;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_101_325_KPA_2014;
ADD_IMPORT extern const cct MAG_CONSTANT_2014;
ADD_IMPORT extern const cct MAG_FLUX_QUANTUM_2014;
ADD_IMPORT extern const cct MOLAR_GAS_CONSTANT_2014;
ADD_IMPORT extern const cct MOLAR_MASS_CONSTANT_2014;
ADD_IMPORT extern const cct MOLAR_MASS_OF_CARBON_12_2014;
ADD_IMPORT extern const cct MOLAR_PLANCK_CONSTANT_2014;
ADD_IMPORT extern const cct MOLAR_PLANCK_CONSTANT_TIMES_C_2014;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_100_KPA_2014;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_101_325_KPA_2014;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_SILICON_2014;
ADD_IMPORT extern const cct MO_X_UNIT_2014;
ADD_IMPORT extern const cct MUON_COMPTON_WAVELENGTH_2014;
ADD_IMPORT extern const cct MUON_COMPTON_WAVELENGTH_OVER_2_PI_2014;
ADD_IMPORT extern const cct MUON_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct MUON_G_FACTOR_2014;
ADD_IMPORT extern const cct MUON_MAG_MOM_2014;
ADD_IMPORT extern const cct MUON_MAG_MOM_ANOMALY_2014;

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ADD_IMPORT extern const cct MUON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct MUON_MASS_2014;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct MUON_MASS_IN_U_2014;
ADD_IMPORT extern const cct MUON_MOLAR_MASS_2014;
ADD_IMPORT extern const cct MUON_NEUTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct MUON_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct MUON_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct MUON_TAU_MASS_RATIO_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_IN_EV_S_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_IN_MEV_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_LENGTH_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MASS_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMUM_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMUM_IN_MEV_C_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_TIME_2014;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_VELOCITY_2014;
ADD_IMPORT extern const cct NEUTRON_COMPTON_WAVELENGTH_2014;
ADD_IMPORT extern const cct NEUTRON_COMPTON_WAVELENGTH_OVER_2_PI_2014;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_G_FACTOR_2014;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_OVER_2_PI_2014;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_2014;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_MASS_2014;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct NEUTRON_MASS_IN_U_2014;
ADD_IMPORT extern const cct NEUTRON_MOLAR_MASS_2014;
ADD_IMPORT extern const cct NEUTRON_MUON_MASS_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_2014;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_IN_U_2014;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_TAU_MASS_RATIO_2014;
ADD_IMPORT extern const cct NEUTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_2014;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_OVER_H_BAR_C_2014;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_2014;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_EV_T_2014;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_INVERSE_METERS_PER_TESLA_2014;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_K_T_2014;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_MHZ_T_2014;

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ADD_IMPORT extern const cct PLANCK_CONSTANT_2014;
ADD_IMPORT extern const cct PLANCK_CONSTANT_IN_EV_S_2014;
ADD_IMPORT extern const cct PLANCK_CONSTANT_OVER_2_PI_2014;
ADD_IMPORT extern const cct PLANCK_CONSTANT_OVER_2_PI_IN_EV_S_2014;
ADD_IMPORT extern const cct PLANCK_CONSTANT_OVER_2_PI_TIMES_C_IN_MEV_FM_2014;
ADD_IMPORT extern const cct PLANCK_LENGTH_2014;
ADD_IMPORT extern const cct PLANCK_MASS_2014;
ADD_IMPORT extern const cct PLANCK_MASS_ENERGY_EQUIVALENT_IN_GEV_2014;
ADD_IMPORT extern const cct PLANCK_TEMPERATURE_2014;
ADD_IMPORT extern const cct PLANCK_TIME_2014;
ADD_IMPORT extern const cct PROTON_CHARGE_TO_MASS_QUOTIENT_2014;
ADD_IMPORT extern const cct PROTON_COMPTON_WAVELENGTH_2014;
ADD_IMPORT extern const cct PROTON_COMPTON_WAVELENGTH_OVER_2_PI_2014;
ADD_IMPORT extern const cct PROTON_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct PROTON_G_FACTOR_2014;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_2014;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_OVER_2_PI_2014;
ADD_IMPORT extern const cct PROTON_MAG_MOM_2014;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct PROTON_MAG_SHIELDING_CORRECTION_2014;
ADD_IMPORT extern const cct PROTON_MASS_2014;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct PROTON_MASS_IN_U_2014;
ADD_IMPORT extern const cct PROTON_MOLAR_MASS_2014;
ADD_IMPORT extern const cct PROTON_MUON_MASS_RATIO_2014;
ADD_IMPORT extern const cct PROTON_NEUTRON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct PROTON_NEUTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct PROTON_RMS_CHARGE_RADIUS_2014;
ADD_IMPORT extern const cct PROTON_TAU_MASS_RATIO_2014;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_2014;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_TIMES_2_2014;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_2014;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_C_IN_HZ_2014;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_EV_2014;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_J_2014;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_100_KPA_2014;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_101_325_KPA_2014;
ADD_IMPORT extern const cct SECOND_RADIATION_CONSTANT_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_OVER_2_PI_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_OVER_2_PI_2014;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_2014;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;

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ADD_IMPORT extern const cct SPEED_OF_LIGHT_IN_VACUUM_2014;
ADD_IMPORT extern const cct STANDARD_ACCELERATION_OF_GRAVITY_2014;
ADD_IMPORT extern const cct STANDARD_ATMOSPHERE_2014;
ADD_IMPORT extern const cct STANDARD_STATE_PRESSURE_2014;
ADD_IMPORT extern const cct STEFAN_BOLTZMANN_CONSTANT_2014;
ADD_IMPORT extern const cct TAU_COMPTON_WAVELENGTH_2014;
ADD_IMPORT extern const cct TAU_COMPTON_WAVELENGTH_OVER_2_PI_2014;
ADD_IMPORT extern const cct TAU_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct TAU_MASS_2014;
ADD_IMPORT extern const cct TAU_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct TAU_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct TAU_MASS_IN_U_2014;
ADD_IMPORT extern const cct TAU_MOLAR_MASS_2014;
ADD_IMPORT extern const cct TAU_MUON_MASS_RATIO_2014;
ADD_IMPORT extern const cct TAU_NEUTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct TAU_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct THOMSON_CROSS_SECTION_2014;
ADD_IMPORT extern const cct TRITON_ELECTRON_MASS_RATIO_2014;
ADD_IMPORT extern const cct TRITON_G_FACTOR_2014;
ADD_IMPORT extern const cct TRITON_MAG_MOM_2014;
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2014;
ADD_IMPORT extern const cct TRITON_MASS_2014;
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_2014;
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_IN_MEV_2014;
ADD_IMPORT extern const cct TRITON_MASS_IN_U_2014;
ADD_IMPORT extern const cct TRITON_MOLAR_MASS_2014;
ADD_IMPORT extern const cct TRITON_PROTON_MASS_RATIO_2014;
ADD_IMPORT extern const cct UNIFIED_ATOMIC_MASS_UNIT_2014;
ADD_IMPORT extern const cct VON_KLITZING_CONSTANT_2014;
ADD_IMPORT extern const cct WEAK_MIXING_ANGLE_2014;
ADD_IMPORT extern const cct WIEN_FREQUENCY_DISPLACEMENT_LAW_CONSTANT_2014;
ADD_IMPORT extern const cct WIEN_WAVELENGTH_DISPLACEMENT_LAW_CONSTANT_2014;

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ADD_IMPORT extern const int YEAR_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_IN_U_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MOLAR_MASS_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ALPHA_PARTICLE_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct ANGSTROM_STAR_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_JOULE_RELATIONSHIP_2018;

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ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KILOGRAM_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_1ST_HYPERPOLARIZABILITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_2ND_HYPERPOLARIZABILITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ACTION_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_DENSITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CURRENT_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_DIPOLE_MOM_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_GRADIENT_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POLARIZABILITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POTENTIAL_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_QUADRUPOLE_MOM_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ENERGY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_FORCE_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_LENGTH_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_DIPOLE_MOM_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_FLUX_DENSITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAGNETIZABILITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MASS_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MOMENTUM_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_PERMITTIVITY_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_TIME_2018;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_VELOCITY_2018;
ADD_IMPORT extern const cct AVOGADRO_CONSTANT_2018;
ADD_IMPORT extern const cct BOHR_MAGNETON_2018;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_EV_T_2018;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_HZ_T_2018;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_INVERSE_METER_PER_TESLA_2018;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_K_T_2018;
ADD_IMPORT extern const cct BOHR_RADIUS_2018;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_2018;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_EV_K_2018;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_HZ_K_2018;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_INVERSE_METER_PER_KELVIN_2018;
ADD_IMPORT extern const cct CHARACTERISTIC_IMPEDANCE_OF_VACUUM_2018;
ADD_IMPORT extern const cct CLASSICAL_ELECTRON_RADIUS_2018;
ADD_IMPORT extern const cct COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct CONDUCTANCE_QUANTUM_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_AMPERE_90_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_COULOMB_90_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_FARAD_90_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_HENRY_90_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_JOSEPHSON_CONSTANT_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_OHM_90_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_VOLT_90_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_VON_KLITZING_CONSTANT_2018;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_WATT_90_2018;
ADD_IMPORT extern const cct COPPER_X_UNIT_2018;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MASS_RATIO_2018;

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ADD_IMPORT extern const cct DEUTERON_G_FACTOR_2018;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_2018;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct DEUTERON_MASS_2018;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct DEUTERON_MASS_IN_U_2018;
ADD_IMPORT extern const cct DEUTERON_MOLAR_MASS_2018;
ADD_IMPORT extern const cct DEUTERON_NEUTRON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct DEUTERON_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct DEUTERON_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct DEUTERON_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct DEUTERON_RMS_CHARGE_RADIUS_2018;
ADD_IMPORT extern const cct ELECTRON_CHARGE_TO_MASS_QUOTIENT_2018;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_G_FACTOR_2018;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_IN_MHZ_T_2018;
ADD_IMPORT extern const cct ELECTRON_HELION_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_2018;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_ANOMALY_2018;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_MASS_2018;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct ELECTRON_MASS_IN_U_2018;
ADD_IMPORT extern const cct ELECTRON_MOLAR_MASS_2018;
ADD_IMPORT extern const cct ELECTRON_MUON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_MUON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct ELECTRON_TAU_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_TO_ALPHA_PARTICLE_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_HELION_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_TRITON_MASS_RATIO_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_JOULE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELECTRON_VOLT_KILOGRAM_RELATIONSHIP_2018;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_2018;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_OVER_H_BAR_2018;

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ADD_IMPORT extern const cct FARADAY_CONSTANT_2018;
ADD_IMPORT extern const cct FERMI_COUPLING_CONSTANT_2018;
ADD_IMPORT extern const cct FINE_STRUCTURE_CONSTANT_2018;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_2018;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_FOR_SPECTRAL_RADIANCE_2018;
ADD_IMPORT extern const cct HARTREE_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HARTREE_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HARTREE_ENERGY_2018;
ADD_IMPORT extern const cct HARTREE_ENERGY_IN_EV_2018;
ADD_IMPORT extern const cct HARTREE_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HARTREE_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HARTREE_JOULE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HARTREE_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HARTREE_KILOGRAM_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HELION_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct HELION_G_FACTOR_2018;
ADD_IMPORT extern const cct HELION_MAG_MOM_2018;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct HELION_MASS_2018;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct HELION_MASS_IN_U_2018;
ADD_IMPORT extern const cct HELION_MOLAR_MASS_2018;
ADD_IMPORT extern const cct HELION_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct HELION_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct HELION_SHIELDING_SHIFT_2018;
ADD_IMPORT extern const cct HERTZ_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HERTZ_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HERTZ_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HERTZ_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HERTZ_JOULE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HERTZ_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HERTZ_KILOGRAM_RELATIONSHIP_2018;
ADD_IMPORT extern const cct HYPERFINE_TRANSITION_FREQUENCY_OF_CS_133_2018;
ADD_IMPORT extern const cct INVERSE_FINE_STRUCTURE_CONSTANT_2018;
ADD_IMPORT extern const cct INVERSE_METER_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_METER_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_METER_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_METER_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_METER_JOULE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_METER_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_METER_KILOGRAM_RELATIONSHIP_2018;
ADD_IMPORT extern const cct INVERSE_OF_CONDUCTANCE_QUANTUM_2018;
ADD_IMPORT extern const cct JOSEPHSON_CONSTANT_2018;
ADD_IMPORT extern const cct JOULE_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct JOULE_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct JOULE_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct JOULE_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct JOULE_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct JOULE_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct JOULE_KILOGRAM_RELATIONSHIP_2018;

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ADD_IMPORT extern const cct KELVIN_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KELVIN_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KELVIN_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KELVIN_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KELVIN_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KELVIN_JOULE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KELVIN_KILOGRAM_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_ATOMIC_MASS_UNIT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_ELECTRON_VOLT_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_HARTREE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_HERTZ_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_INVERSE_METER_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_JOULE_RELATIONSHIP_2018;
ADD_IMPORT extern const cct KILOGRAM_KELVIN_RELATIONSHIP_2018;
ADD_IMPORT extern const cct LATTICE_PARAMETER_OF_SILICON_2018;
ADD_IMPORT extern const cct LATTICE_SPACING_OF_IDEAL_SI_220_2018;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_100_KPA_2018;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_101_325_KPA_2018;
ADD_IMPORT extern const cct LUMINOUS_EFFICACY_2018;
ADD_IMPORT extern const cct MAG_FLUX_QUANTUM_2018;
ADD_IMPORT extern const cct MOLAR_GAS_CONSTANT_2018;
ADD_IMPORT extern const cct MOLAR_MASS_CONSTANT_2018;
ADD_IMPORT extern const cct MOLAR_MASS_OF_CARBON_12_2018;
ADD_IMPORT extern const cct MOLAR_PLANCK_CONSTANT_2018;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_100_KPA_2018;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_101_325_KPA_2018;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_SILICON_2018;
ADD_IMPORT extern const cct MOLYBDENUM_X_UNIT_2018;
ADD_IMPORT extern const cct MUON_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct MUON_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct MUON_G_FACTOR_2018;
ADD_IMPORT extern const cct MUON_MAG_MOM_2018;
ADD_IMPORT extern const cct MUON_MAG_MOM_ANOMALY_2018;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct MUON_MASS_2018;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct MUON_MASS_IN_U_2018;
ADD_IMPORT extern const cct MUON_MOLAR_MASS_2018;
ADD_IMPORT extern const cct MUON_NEUTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct MUON_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct MUON_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct MUON_TAU_MASS_RATIO_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_IN_EV_S_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_IN_MEV_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_LENGTH_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MASS_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMENTUM_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMENTUM_IN_MEV_C_2018;

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ADD_IMPORT extern const cct NATURAL_UNIT_OF_TIME_2018;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_VELOCITY_2018;
ADD_IMPORT extern const cct NEUTRON_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_G_FACTOR_2018;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_IN_MHZ_T_2018;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_2018;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_MASS_2018;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct NEUTRON_MASS_IN_U_2018;
ADD_IMPORT extern const cct NEUTRON_MOLAR_MASS_2018;
ADD_IMPORT extern const cct NEUTRON_MUON_MASS_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_2018;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_IN_U_2018;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct NEUTRON_TAU_MASS_RATIO_2018;
ADD_IMPORT extern const cct NEUTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_2018;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_OVER_H_BAR_C_2018;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_2018;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_EV_T_2018;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_INVERSE_METER_PER_TESLA_2018;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_K_T_2018;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_MHZ_T_2018;
ADD_IMPORT extern const cct PLANCK_CONSTANT_2018;
ADD_IMPORT extern const cct PLANCK_CONSTANT_IN_EV_HZ_2018;
ADD_IMPORT extern const cct PLANCK_LENGTH_2018;
ADD_IMPORT extern const cct PLANCK_MASS_2018;
ADD_IMPORT extern const cct PLANCK_MASS_ENERGY_EQUIVALENT_IN_GEV_2018;
ADD_IMPORT extern const cct PLANCK_TEMPERATURE_2018;
ADD_IMPORT extern const cct PLANCK_TIME_2018;
ADD_IMPORT extern const cct PROTON_CHARGE_TO_MASS_QUOTIENT_2018;
ADD_IMPORT extern const cct PROTON_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct PROTON_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct PROTON_G_FACTOR_2018;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_2018;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_IN_MHZ_T_2018;
ADD_IMPORT extern const cct PROTON_MAG_MOM_2018;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct PROTON_MAG_SHIELDING_CORRECTION_2018;
ADD_IMPORT extern const cct PROTON_MASS_2018;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_2018;

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ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct PROTON_MASS_IN_U_2018;
ADD_IMPORT extern const cct PROTON_MOLAR_MASS_2018;
ADD_IMPORT extern const cct PROTON_MUON_MASS_RATIO_2018;
ADD_IMPORT extern const cct PROTON_NEUTRON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct PROTON_NEUTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct PROTON_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct PROTON_RMS_CHARGE_RADIUS_2018;
ADD_IMPORT extern const cct PROTON_TAU_MASS_RATIO_2018;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_2018;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_TIMES_2_2018;
ADD_IMPORT extern const cct REDUCED_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct REDUCED_MUON_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct REDUCED_NEUTRON_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct REDUCED_PLANCK_CONSTANT_2018;
ADD_IMPORT extern const cct REDUCED_PLANCK_CONSTANT_IN_EV_S_2018;
ADD_IMPORT extern const cct REDUCED_PLANCK_CONSTANT_TIMES_C_IN_MEV_FM_2018;
ADD_IMPORT extern const cct REDUCED_PROTON_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct REDUCED_TAU_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_2018;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_C_IN_HZ_2018;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_EV_2018;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_J_2018;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_100_KPA_2018;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_101_325_KPA_2018;
ADD_IMPORT extern const cct SECOND_RADIATION_CONSTANT_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_IN_MHZ_T_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_SHIELDED_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_IN_MHZ_T_2018;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_2018;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct SHIELDING_DIFFERENCE_OF_D_AND_P_IN_HD_2018;
ADD_IMPORT extern const cct SHIELDING_DIFFERENCE_OF_T_AND_P_IN_HT_2018;
ADD_IMPORT extern const cct SPEED_OF_LIGHT_IN_VACUUM_2018;
ADD_IMPORT extern const cct STANDARD_ACCELERATION_OF_GRAVITY_2018;
ADD_IMPORT extern const cct STANDARD_ATMOSPHERE_2018;
ADD_IMPORT extern const cct STANDARD_STATE_PRESSURE_2018;
ADD_IMPORT extern const cct STEFAN_BOLTZMANN_CONSTANT_2018;
ADD_IMPORT extern const cct TAU_COMPTON_WAVELENGTH_2018;
ADD_IMPORT extern const cct TAU_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct TAU_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct TAU_MASS_2018;
ADD_IMPORT extern const cct TAU_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct TAU_MASS_IN_U_2018;
ADD_IMPORT extern const cct TAU_MOLAR_MASS_2018;

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ADD_IMPORT extern const cct TAU_MUON_MASS_RATIO_2018;
ADD_IMPORT extern const cct TAU_NEUTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct TAU_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct THOMSON_CROSS_SECTION_2018;
ADD_IMPORT extern const cct TRITON_ELECTRON_MASS_RATIO_2018;
ADD_IMPORT extern const cct TRITON_G_FACTOR_2018;
ADD_IMPORT extern const cct TRITON_MAG_MOM_2018;
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_BOHR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO_2018;
ADD_IMPORT extern const cct TRITON_MASS_2018;
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_2018;
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_IN_MEV_2018;
ADD_IMPORT extern const cct TRITON_MASS_IN_U_2018;
ADD_IMPORT extern const cct TRITON_MOLAR_MASS_2018;
ADD_IMPORT extern const cct TRITON_PROTON_MASS_RATIO_2018;
ADD_IMPORT extern const cct TRITON_RELATIVE_ATOMIC_MASS_2018;
ADD_IMPORT extern const cct TRITON_TO_PROTON_MAG_MOM_RATIO_2018;
ADD_IMPORT extern const cct UNIFIED_ATOMIC_MASS_UNIT_2018;
ADD_IMPORT extern const cct VACUUM_ELECTRIC_PERMITTIVITY_2018;
ADD_IMPORT extern const cct VACUUM_MAG_PERMEABILITY_2018;
ADD_IMPORT extern const cct VON_KLITZING_CONSTANT_2018;
ADD_IMPORT extern const cct WEAK_MIXING_ANGLE_2018;
ADD_IMPORT extern const cct WIEN_FREQUENCY_DISPLACEMENT_LAW_CONSTANT_2018;
ADD_IMPORT extern const cct WIEN_WAVELENGTH_DISPLACEMENT_LAW_CONSTANT_2018;
ADD_IMPORT extern const cct W_TO_Z_MASS_RATIO_2018;

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ADD_IMPORT extern const int YEAR;
ADD_IMPORT extern const cct ALPHA_PARTICLE_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MASS_IN_U;
ADD_IMPORT extern const cct ALPHA_PARTICLE_MOLAR_MASS;
ADD_IMPORT extern const cct ALPHA_PARTICLE_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct ALPHA_PARTICLE_RELATIVE_ATOMIC_MASS;
ADD_IMPORT extern const cct ALPHA_PARTICLE_RMS_CHARGE_RADIUS;
ADD_IMPORT extern const cct ANGSTROM_STAR;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct ATOMIC_MASS_CONSTANT_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_ELECTRON_VOLT_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_MASS_UNIT_KILOGRAM_RELATIONSHIP;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_1ST_HYPERPOLARIZABILITY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_2ND_HYPERPOLARIZABILITY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ACTION;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CHARGE_DENSITY;

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ADD_IMPORT extern const cct ATOMIC_UNIT_OF_CURRENT;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_DIPOLE_MOM;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_FIELD_GRADIENT;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POLARIZABILITY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_POTENTIAL;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ELECTRIC_QUADRUPOLE_MOM;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_ENERGY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_FORCE;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_LENGTH;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_DIPOLE_MOM;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAG_FLUX_DENSITY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MAGNETIZABILITY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MASS;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_MOMENTUM;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_PERMITTIVITY;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_TIME;
ADD_IMPORT extern const cct ATOMIC_UNIT_OF_VELOCITY;
ADD_IMPORT extern const cct AVOGADRO_CONSTANT;
ADD_IMPORT extern const cct BOHR_MAGNETON;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_EV_T;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_HZ_T;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_INVERSE_METER_PER_TESLA;
ADD_IMPORT extern const cct BOHR_MAGNETON_IN_K_T;
ADD_IMPORT extern const cct BOHR_RADIUS;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_EV_K;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_HZ_K;
ADD_IMPORT extern const cct BOLTZMANN_CONSTANT_IN_INVERSE_METER_PER_KELVIN;
ADD_IMPORT extern const cct CHARACTERISTIC_IMPEDANCE_OF_VACUUM;
ADD_IMPORT extern const cct CLASSICAL_ELECTRON_RADIUS;
ADD_IMPORT extern const cct COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct CONDUCTANCE_QUANTUM;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_AMPERE_90;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_COULOMB_90;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_FARAD_90;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_HENRY_90;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_JOSEPHSON_CONSTANT;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_OHM_90;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_VOLT_90;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_VON_KLITZING_CONSTANT;
ADD_IMPORT extern const cct CONVENTIONAL_VALUE_OF_WATT_90;
ADD_IMPORT extern const cct COPPER_X_UNIT;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct DEUTERON_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct DEUTERON_G_FACTOR;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct DEUTERON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct DEUTERON_MASS;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct DEUTERON_MASS_ENERGY_EQUIVALENT_IN_MEV;

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ADD_IMPORT extern const cct DEUTERON_MASS_IN_U;
ADD_IMPORT extern const cct DEUTERON_MOLAR_MASS;
ADD_IMPORT extern const cct DEUTERON_NEUTRON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct DEUTERON_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct DEUTERON_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct DEUTERON_RELATIVE_ATOMIC_MASS;
ADD_IMPORT extern const cct DEUTERON_RMS_CHARGE_RADIUS;
ADD_IMPORT extern const cct ELECTRON_CHARGE_TO_MASS_QUOTIENT;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct ELECTRON_DEUTERON_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_G_FACTOR;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO;
ADD_IMPORT extern const cct ELECTRON_GYROMAG_RATIO_IN_MHZ_T;
ADD_IMPORT extern const cct ELECTRON_HELION_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_ANOMALY;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct ELECTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct ELECTRON_MASS;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct ELECTRON_MASS_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct ELECTRON_MASS_IN_U;
ADD_IMPORT extern const cct ELECTRON_MOLAR_MASS;
ADD_IMPORT extern const cct ELECTRON_MUON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct ELECTRON_MUON_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct ELECTRON_NEUTRON_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct ELECTRON_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_RELATIVE_ATOMIC_MASS;
ADD_IMPORT extern const cct ELECTRON_TAU_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_TO_ALPHA_PARTICLE_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_HELION_MAG_MOM_RATIO;
ADD_IMPORT extern const cct ELECTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct ELECTRON_TRITON_MASS_RATIO;
ADD_IMPORT extern const cct ELECTRON_VOLT;
ADD_IMPORT extern const cct ELECTRON_VOLT_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct ELECTRON_VOLT_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct ELECTRON_VOLT_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct ELECTRON_VOLT_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct ELECTRON_VOLT_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct ELECTRON_VOLT_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct ELECTRON_VOLT_KILOGRAM_RELATIONSHIP;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE;
ADD_IMPORT extern const cct ELEMENTARY_CHARGE_OVER_H_BAR;
ADD_IMPORT extern const cct FARADAY_CONSTANT;
ADD_IMPORT extern const cct FERMI_COUPLING_CONSTANT;
ADD_IMPORT extern const cct FINE_STRUCTURE_CONSTANT;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT;
ADD_IMPORT extern const cct FIRST_RADIATION_CONSTANT_FOR_SPECTRAL_RADIANCE;
ADD_IMPORT extern const cct HARTREE_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct HARTREE_ELECTRON_VOLT_RELATIONSHIP;

```

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```

ADD_IMPORT extern const cct HARTREE_ENERGY;
ADD_IMPORT extern const cct HARTREE_ENERGY_IN_EV;
ADD_IMPORT extern const cct HARTREE_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct HARTREE_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct HARTREE_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct HARTREE_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct HARTREE_KILOGRAM_RELATIONSHIP;
ADD_IMPORT extern const cct HELION_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct HELION_G_FACTOR;
ADD_IMPORT extern const cct HELION_MAG_MOM;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct HELION_MASS;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct HELION_MASS_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct HELION_MASS_IN_U;
ADD_IMPORT extern const cct HELION_MOLAR_MASS;
ADD_IMPORT extern const cct HELION_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct HELION_RELATIVE_ATOMIC_MASS;
ADD_IMPORT extern const cct HELION_SHIELDING_SHIFT;
ADD_IMPORT extern const cct HERTZ_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct HERTZ_ELECTRON_VOLT_RELATIONSHIP;
ADD_IMPORT extern const cct HERTZ_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct HERTZ_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct HERTZ_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct HERTZ_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct HERTZ_KILOGRAM_RELATIONSHIP;
ADD_IMPORT extern const cct HYPERFINE_TRANSITION_FREQUENCY_OF_CS_133;
ADD_IMPORT extern const cct INVERSE_FINE_STRUCTURE_CONSTANT;
ADD_IMPORT extern const cct INVERSE_METER_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_METER_ELECTRON_VOLT_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_METER_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_METER_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_METER_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_METER_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_METER_KILOGRAM_RELATIONSHIP;
ADD_IMPORT extern const cct INVERSE_OF_CONDUCTANCE_QUANTUM;
ADD_IMPORT extern const cct JOSEPHSON_CONSTANT;
ADD_IMPORT extern const cct JOULE_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct JOULE_ELECTRON_VOLT_RELATIONSHIP;
ADD_IMPORT extern const cct JOULE_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct JOULE_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct JOULE_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct JOULE_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct JOULE_KILOGRAM_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_ELECTRON_VOLT_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct KELVIN_KILOGRAM_RELATIONSHIP;

```

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```

ADD_IMPORT extern const cct KILOGRAM_ATOMIC_MASS_UNIT_RELATIONSHIP;
ADD_IMPORT extern const cct KILOGRAM_ELECTRON_VOLT_RELATIONSHIP;
ADD_IMPORT extern const cct KILOGRAM_HARTREE_RELATIONSHIP;
ADD_IMPORT extern const cct KILOGRAM_HERTZ_RELATIONSHIP;
ADD_IMPORT extern const cct KILOGRAM_INVERSE_METER_RELATIONSHIP;
ADD_IMPORT extern const cct KILOGRAM_JOULE_RELATIONSHIP;
ADD_IMPORT extern const cct KILOGRAM_KELVIN_RELATIONSHIP;
ADD_IMPORT extern const cct LATTICE_PARAMETER_OF_SILICON;
ADD_IMPORT extern const cct LATTICE_SPACING_OF_IDEAL_SI_220;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_100_KPA;
ADD_IMPORT extern const cct LOSCHMIDT_CONSTANT_273_15_K_101_325_KPA;
ADD_IMPORT extern const cct LUMINOUS_EFFICACY;
ADD_IMPORT extern const cct MAG_FLUX_QUANTUM;
ADD_IMPORT extern const cct MOLAR_GAS_CONSTANT;
ADD_IMPORT extern const cct MOLAR_MASS_CONSTANT;
ADD_IMPORT extern const cct MOLAR_MASS_OF_CARBON_12;
ADD_IMPORT extern const cct MOLAR_PLANCK_CONSTANT;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_100_KPA;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_IDEAL_GAS_273_15_K_101_325_KPA;
ADD_IMPORT extern const cct MOLAR_VOLUME_OF_SILICON;
ADD_IMPORT extern const cct MOLYBDENUM_X_UNIT;
ADD_IMPORT extern const cct MUON_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct MUON_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct MUON_G_FACTOR;
ADD_IMPORT extern const cct MUON_MAG_MOM;
ADD_IMPORT extern const cct MUON_MAG_MOM_ANOMALY;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct MUON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct MUON_MASS;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct MUON_MASS_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct MUON_MASS_IN_U;
ADD_IMPORT extern const cct MUON_MOLAR_MASS;
ADD_IMPORT extern const cct MUON_NEUTRON_MASS_RATIO;
ADD_IMPORT extern const cct MUON_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct MUON_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct MUON_TAU_MASS_RATIO;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ACTION_IN_EV_S;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_ENERGY_IN_MEV;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_LENGTH;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MASS;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMENTUM;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_MOMENTUM_IN_MEV_C;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_TIME;
ADD_IMPORT extern const cct NATURAL_UNIT_OF_VELOCITY;
ADD_IMPORT extern const cct NEUTRON_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct NEUTRON_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct NEUTRON_G_FACTOR;
ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO;

```

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```

ADD_IMPORT extern const cct NEUTRON_GYROMAG_RATIO_IN_MHZ_T;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct NEUTRON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct NEUTRON_MASS;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct NEUTRON_MASS_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct NEUTRON_MASS_IN_U;
ADD_IMPORT extern const cct NEUTRON_MOLAR_MASS;
ADD_IMPORT extern const cct NEUTRON_MUON_MASS_RATIO;
ADD_IMPORT extern const cct NEUTRON_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_DIFFERENCE_IN_U;
ADD_IMPORT extern const cct NEUTRON_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct NEUTRON_RELATIVE_ATOMIC_MASS;
ADD_IMPORT extern const cct NEUTRON_TAU_MASS_RATIO;
ADD_IMPORT extern const cct NEUTRON_TO_SHIELDED_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION;
ADD_IMPORT extern const cct NEWTONIAN_CONSTANT_OF_GRAVITATION_OVER_H_BAR_C;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_EV_T;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_INVERSE_METER_PER_TESLA;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_K_T;
ADD_IMPORT extern const cct NUCLEAR_MAGNETON_IN_MHZ_T;
ADD_IMPORT extern const cct PLANCK_CONSTANT;
ADD_IMPORT extern const cct PLANCK_CONSTANT_IN_EV_HZ;
ADD_IMPORT extern const cct PLANCK_LENGTH;
ADD_IMPORT extern const cct PLANCK_MASS;
ADD_IMPORT extern const cct PLANCK_MASS_ENERGY_EQUIVALENT_IN_GEV;
ADD_IMPORT extern const cct PLANCK_TEMPERATURE;
ADD_IMPORT extern const cct PLANCK_TIME;
ADD_IMPORT extern const cct PROTON_CHARGE_TO_MASS_QUOTIENT;
ADD_IMPORT extern const cct PROTON_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct PROTON_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct PROTON_G_FACTOR;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO;
ADD_IMPORT extern const cct PROTON_GYROMAG_RATIO_IN_MHZ_T;
ADD_IMPORT extern const cct PROTON_MAG_MOM;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct PROTON_MAG_SHIELDING_CORRECTION;
ADD_IMPORT extern const cct PROTON_MASS;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct PROTON_MASS_ENERGY_EQUIVALENT_IN_MEV;
ADD_IMPORT extern const cct PROTON_MASS_IN_U;
ADD_IMPORT extern const cct PROTON_MOLAR_MASS;
ADD_IMPORT extern const cct PROTON_MUON_MASS_RATIO;
ADD_IMPORT extern const cct PROTON_NEUTRON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct PROTON_NEUTRON_MASS_RATIO;
ADD_IMPORT extern const cct PROTON_RELATIVE_ATOMIC_MASS;

```

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```

ADD_IMPORT extern const cct PROTON_RMS_CHARGE_RADIUS;
ADD_IMPORT extern const cct PROTON_TAU_MASS_RATIO;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION;
ADD_IMPORT extern const cct QUANTUM_OF_CIRCULATION_TIMES_2;
ADD_IMPORT extern const cct REDUCED_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct REDUCED_MUON_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct REDUCED_NEUTRON_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct REDUCED_PLANCK_CONSTANT;
ADD_IMPORT extern const cct REDUCED_PLANCK_CONSTANT_IN_EV_S;
ADD_IMPORT extern const cct REDUCED_PLANCK_CONSTANT_TIMES_C_IN_MEV_FM;
ADD_IMPORT extern const cct REDUCED_PROTON_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct REDUCED_TAU_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct RYDBERG_CONSTANT;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_C_IN_HZ;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_EV;
ADD_IMPORT extern const cct RYDBERG_CONSTANT_TIMES_HC_IN_J;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_100_KPA;
ADD_IMPORT extern const cct SACKUR_TETRODE_CONSTANT_1_K_101_325_KPA;
ADD_IMPORT extern const cct SECOND_RADIATION_CONSTANT;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO;
ADD_IMPORT extern const cct SHIELDED_HELION_GYROMAG_RATIO_IN_MHZ_T;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct SHIELDED_HELION_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct SHIELDED_HELION_TO_SHIELDED_PROTON_MAG_MOM_RATIO;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO;
ADD_IMPORT extern const cct SHIELDED_PROTON_GYROMAG_RATIO_IN_MHZ_T;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;
ADD_IMPORT extern const cct SHIELDED_PROTON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;
ADD_IMPORT extern const cct SHIELDING_DIFFERENCE_OF_D_AND_P_IN_HD;
ADD_IMPORT extern const cct SHIELDING_DIFFERENCE_OF_T_AND_P_IN_HT;
ADD_IMPORT extern const cct SPEED_OF_LIGHT_IN_VACUUM;
ADD_IMPORT extern const cct STANDARD_ACCELERATION_OF_GRAVITY;
ADD_IMPORT extern const cct STANDARD_ATMOSPHERE;
ADD_IMPORT extern const cct STANDARD_STATE_PRESSURE;
ADD_IMPORT extern const cct STEFAN_BOLTZMANN_CONSTANT;
ADD_IMPORT extern const cct TAU_COMPTON_WAVELENGTH;
ADD_IMPORT extern const cct TAU_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct TAU_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct TAU_MASS;
ADD_IMPORT extern const cct TAU_MASS_ENERGY_EQUIVALENT;
ADD_IMPORT extern const cct TAU_MASS_IN_U;
ADD_IMPORT extern const cct TAU_MOLAR_MASS;
ADD_IMPORT extern const cct TAU_MUON_MASS_RATIO;
ADD_IMPORT extern const cct TAU_NEUTRON_MASS_RATIO;
ADD_IMPORT extern const cct TAU_PROTON_MASS_RATIO;
ADD_IMPORT extern const cct THOMSON_CROSS_SECTION;
ADD_IMPORT extern const cct TRITON_ELECTRON_MASS_RATIO;
ADD_IMPORT extern const cct TRITON_G_FACTOR;
ADD_IMPORT extern const cct TRITON_MAG_MOM;

```

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```
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_BOHR_MAGNETON_RATIO;  
ADD_IMPORT extern const cct TRITON_MAG_MOM_TO_NUCLEAR_MAGNETON_RATIO;  
ADD_IMPORT extern const cct TRITON_MASS;  
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT;  
ADD_IMPORT extern const cct TRITON_MASS_ENERGY_EQUIVALENT_IN_MEV;  
ADD_IMPORT extern const cct TRITON_MASS_IN_U;  
ADD_IMPORT extern const cct TRITON_MOLAR_MASS;  
ADD_IMPORT extern const cct TRITON_PROTON_MASS_RATIO;  
ADD_IMPORT extern const cct TRITON_RELATIVE_ATOMIC_MASS;  
ADD_IMPORT extern const cct TRITON_TO_PROTON_MAG_MOM_RATIO;  
ADD_IMPORT extern const cct UNIFIED_ATOMIC_MASS_UNIT;  
ADD_IMPORT extern const cct VACUUM_ELECTRIC_PERMITTIVITY;  
ADD_IMPORT extern const cct VACUUM_MAG_PERMEABILITY;  
ADD_IMPORT extern const cct VON_KLITZING_CONSTANT;  
ADD_IMPORT extern const cct WEAK_MIXING_ANGLE;  
ADD_IMPORT extern const cct WIEN_FREQUENCY_DISPLACEMENT_LAW_CONSTANT;  
ADD_IMPORT extern const cct WIEN_WAVELENGTH_DISPLACEMENT_LAW_CONSTANT;  
ADD_IMPORT extern const cct W_TO_Z_MASS_RATIO;
```

```
#endif
```

3.3 Python

Codata constants.

The latest values (2022) do not have the year as a suffix in their name. Older values can be used and they feature the year as a suffix in their name.

The latest values are available at the top level and older values are available in dedicated modules.

CHANGELOG

4.1 2.3.1

- Refactoring the `configure.sh` script.
- Remove support for 3.14t. No official release on python.org.
- If binaries for Python 3.14t are needed you need to compile them by yourself.

4.2 2.3.0

- Remove support for Python 3.9 and add support for Python 3.14(t).

[Full changelog](#)

4.3 2.2.0

- Switch to UCRT64 for Windows binaries.
- Switch to sphinx documentation using `fspx`.
- Update references with publication for codata 2022.
- Update compilation flags for compatibility with `stdlib`.

[Full changelog](#)

4.4 2.1.1

- No code change.
- Code refactoring and cleaning
- Update CI/CD workflows.

[Full changelog](#)

4.5 2.1.0

- Roll back to C API in Fortran code: easier maintenance.
- Roll back to compiled C extension for python: easier maintenance.

Full changelog available at [github](#)

4.6 2.0.1

- Fix bug in version for Fortran code.

Full changelog available at [github](#)

4.7 2.0.0

- Drop compiled extensions for Python.
- Pure Python code for constants auto-generated as it is the case for the Fortran code.
- Pure C code for constants auto-generated as it is the case for the Fortran code.
- API break:
 - No more C API in the Fortran code.
 - Use the pure C code to build a C library.

Full changelog available at [github](#)

4.8 1.2.2

- Fix conflict that could occur with C API modules. Add prefix in module names.
- Cleanup and refractoring.
- Documentation update.

4.9 1.2.1

- Refractoring
- Merge back C API and python wrapper.

Full changelog available at [github](#)

4.10 1.2.0

- Refractoring
- Documentation update.

Full changelog available at [github](#)

4.11 1.1.0

- C API and Python wrapper moved to their own repositories.
 - [C wrapper](#)
 - [Python wrapper](#)
- API break: C API is no more provided by default. Use the optional C wrapper.
- Code cleanup
- Documentation update

Full changelog available at [github](#)

4.12 1.0.0

- Add codata values for 2010, 2014 and 2018.
- Code refractoring and code cleaning.
- Documentation update and switch to only FORD documentation.
- Rewrite code generators in python.
- Generate source code for stdlib.
- API break: constants are defined as DT like in stdlib.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.13 0.10.0

- Remove remove generation of the version module.
- Add tests using the test-drive framework.
- Explicit parameter constants for Fortran and protected constants for C API.
- Minor fixes in documentation.
- Code cleanup.
- Merge of all code for autogeneration in one file.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.14 0.9.0

- No API changes.
- Automatic generation of the version module.
- Generic Makefiles for automatic the building process of the library and the pywrapper.
- Add targets: build, build_debug, test, test_debug.
- Minor fixes in documentation.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.15 0.8.2

- No API changes.
- Improve Makefile for generating the source code at each compilation.
- Source generator rewritten in Fortran.
- Switch to pyproject.toml for the Python wrapper.

- Minor fixes in documentation.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.16 0.8.1

- Use shared library in python wrapper.
- Minor fixes in documentation.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.17 0.8.0

- Back to the approach with a library.
- Compatible with fpm.
- Configuration file for setting all the environmental variables.
- Global makefile for building a static library (through fpm) and a shared library.
- Automatic copy of the necessary sources for the python wrapper.
- Python wrapper built with the static library
 - no dependency on a shared library.
 - sources and static library embeded in the python wrapper.
- FORD for documenting the Fortran code.
- Integration of the FORD documentation into the main documentation with sphinx.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.18 0.7.1

- Minor fixes in generator code
- Add automatic copy of c sources for the python wrapper.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.19 0.7.0

- Migrate documentation from doxygen to sphinx+breath.
- Add YEAR constant indicating the year of the codata constants.
- Refactoring

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.20 0.6.0

- Created documentation.
- Fixed missing uncertainties for Cpython.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.21 0.5.0

- Changed the complete approach by not generating a library but only source files for different languages.
- Available languages: Fortran, C, python, CPython

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.22 0.4.0

- Bring back pywrapper in the codata repository to sync versions.
- Improvements of the documentation.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.23 0.3.0

- Only last codata constants.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.24 0.2.1

- Integration of Intel Fortran compiler and MSVC in cmake scripts.
- Add specifications and instructions for compiling on Windows

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.25 0.2.0

- Bug fixes for the codata 2010.
- Bug fixes in the tests linked to the codata 2010.
- Add python wrapper for the number of constants method.

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

4.26 0.1.0

Implementation of:

- the parser of the codata raw data
- the generator of the Fortran modules
- the C API and C header
- the python wrapper (will be moved to its repository next release).

Full changelog available at [github](#)

Python wrapper available at [pypi](#).

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PYTHON MODULE INDEX

p

`pycodata`, [34](#)

INDEX

M

module

 pycodata, 34

P

pycodata

 module, 34