Particles

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In this documentation all particles which are defined as global GTopp objects are listed. Via these objects you have access to the particle properties. (See also definition of classes GTopp and Topp). These objects are also available in CINT.

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1.1

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d-Quark

d-Quark

1.2

extern GTopp **dquark_bar**

$\bar{d}$-Quark

$\bar{d}$-Quark

1.3

extern GTopp **uquark**

u-Quark

u-Quark

1.4

extern GTopp **uquark_bar**

$\bar{u}$-Quark

$\bar{u}$-Quark

1.5

extern GTopp **squark**

s-Quark

s-Quark

1.6

extern GTopp **squark_bar**

$\bar{s}$-Quark

$\bar{s}$-Quark

1.7

extern GTopp **cquark**

c-Quark

c-Quark

1.8

extern GTopp **cquark_bar**

$\bar{c}$-Quark

$\bar{c}$-Quark

1.9

extern GTopp **bquark**

b-Quark

b-Quark

1.10

extern GTopp **bquark_bar**

$\bar{c}$-Quark

$\bar{c}$-Quark

1.11

extern GTopp **tquark**

t-Quark

t-Quark

1.12

extern GTopp **tquark_bar**

$\bar{t}$-Quark

$\bar{t}$-Quark

1.13

extern GTopp **lquark**

l-Quark

l-Quark

1.14

extern GTopp **lquark_bar**

$\bar{l}$-Quark

$\bar{l}$-Quark

1.15

extern GTopp **hquark**

h-Quark

h-Quark

1.16

extern GTopp **hquark_bar**

$\bar{h}$-Quark

$\bar{h}$-Quark

1.17

extern GTopp **nu**

ν Neutrino

ν Neutrino

1.18

extern GTopp **e_minus**

e^- Elektron

e^- Elektron

1.19

extern GTopp **e_plus**

e^+ Positron

e^+ Positron

1.20

extern GTopp **nu_e**

ν_e *Elektron-Neutrino*

ν_e Elektron-Neutrino

1.21

extern GTopp **nu_e_bar**

$\bar{\nu}_e$ *Anti-Elektron-Neutrino*

$\bar{\nu}_e$ Anti-Elektron-Neutrino

1.22

extern GTopp **mu_minus**

μ^- *Muon*

μ^- Muon

1.23

extern GTopp **mu_plus**

μ^+ *Muon*

μ^+ Muon

1.24

extern GTopp **nu_mu**

ν_μ *Muon-Neutrino*

ν_μ Muon-Neutrino

1.25

extern GTopp **nu_mu_bar**

$\bar{\nu}_\mu$ Anti-Muon-Neutrino

$\bar{\nu}_\mu$ Anti-Muon-Neutrino

1.26

extern GTopp **tau_minus**

τ^- Tau-Lepton

τ^- Tau-Lepton

1.27

extern GTopp **tau_plus**

τ^+ Tau-Lepton

τ^+ Tau-Lepton

1.28

extern GTopp **nu_tau**

ν_τ Tau-Neutrino

ν_τ Tau-Neutrino

1.29

extern GTopp **nu_tau_bar**

$\bar{\nu}_\tau$ Anti-Tau-Neutrino

$\bar{\nu}_\tau$ Anti-Tau-Neutrino

1.30

extern GTopp **chi_minus**

χ^-

χ^-

1.31

extern GTopp **chi_plus**

χ^+

χ^+

1.32

extern GTopp **nu_chi**

ν_χ

ν_χ

1.33

extern GTopp **nu_chi_bar**

$\bar{\nu}_\chi$

$\bar{\nu}_\chi$

1.34

extern GTopp **gluon**

g *Gluon*

g Gluon

1.35

extern GTopp **photon**

γ Photon

γ Photon

1.36

extern GTopp **Z**

Z Boson

Z Boson

1.37

extern GTopp **W_plus**

W^+ Boson

W^+ Boson

1.38

extern GTopp **W_minus**

W^- Boson

W^- Boson

1.39

extern GTopp **Higgs**

h Higgs-Boson

h Higgs-Boson

1.40

extern GTopp **Reggeon**

Reggeon

Reggeon

1.41

extern GTopp **Pomeron**

Pomeron

Pomeron

1.42

extern GTopp **Z_prime**

Z' Boson

Z' Boson

1.43

extern GTopp **Z_prime_prime**

Z'' Boson

Z'' Boson

1.44

extern GTopp **W_prime_plus**

W'^{+} Boson

W'^{+} Boson

1.45

extern GTopp **W_prime_minus**

W'^- Boson

W'^- Boson

1.46

extern GTopp **Higgs2**

h_2 Higgs

h_2 Higgs

1.47

extern GTopp **Higgs3**

h_3 Higgs

h_3 Higgs

1.48

extern GTopp **Higgs_plus**

h^+ Higgs

h^+ Higgs

1.49

extern GTopp **Higgs_minus**

h^- Higgs

h^- Higgs

1.50

extern GTopp **eta_tech**

η_{tech} Technicolor?

η_{tech} Technicolor?

1.51

extern GTopp **LQ_ue**

LQ_{ue} LeptoQuark?

LQ_{ue} LeptoQuark?

1.52

extern GTopp **LQue_bar**

$\bar{LQ}$ Anti-LeptoQuark?

$\bar{LQ}$ Anti-LeptoQuark?

1.53

extern GTopp **R**

R

R

1.54

extern GTopp **R_bar**

$\bar{R}$

$\bar{R}$

1.55

extern GTopp **specflav**

1.56

extern GTopp **rndmflav**

1.57

extern GTopp **rndmflav_bar**

1.58

extern GTopp **phasespa**

Phasespace

Phasespace

1.59

extern GTopp **c_minushadron**

c-Hadron

c-Hadron

1.60

extern GTopp **c_minushadron_bar**

$\bar{c}$-Hadron

$\bar{c}$-Hadron

1.61

extern GTopp **b_minushadron**

b-Hadron

b-Hadron

1.62

extern GTopp **b_minushadron_bar**

$\bar{b}$-Hadron

$\bar{b}$-Hadron

1.63

extern GTopp **t_minushadron**

t-Hadron

t-Hadron

1.64

extern GTopp **t_minushadron_bar**

$\bar{t}$-Hadron

$\bar{t}$-Hadron

1.65

extern GTopp **l_minushadron**

l-Hadron

l-Hadron

1.66

extern GTopp **l_minushadron_bar**

$\bar{l}$-Hadron

$\bar{l}$-Hadron

1.67

extern GTopp **h_minushadron**

h-Hadron

h-Hadron

1.68

extern GTopp **h_minushadron_bar**

$\bar{h}$-Hadron

$\bar{h}$-Hadron

1.69

extern GTopp **Wvirt_plus**

W^+_{virt} virtual W-Boson

W^+_{virt} virtual W-Boson

1.70

extern GTopp **Wvirt_minus**

W^-_{virt} virtual W-Boson

W^-_{virt} virtual W-Boson

1.71

extern GTopp **diquark**

Di-Quark

Di-Quark

1.72

extern GTopp **diquark_bar**

Anti-Di-Quark

Anti-Di-Quark

1.73

extern GTopp **dd_1**

1.74

extern GTopp **dd_1_bar**

1.75

extern GTopp **ud_0**

1.76

extern GTopp **ud_0_bar**

1.77

extern GTopp **ud_1**

1.78

extern GTopp **ud_1_bar**

1.79

extern GTopp **uu_1**

1.80

extern GTopp **uu_1_bar**

1.81

extern GTopp **sd_0**

1.82

extern GTopp **sd_0_bar**

1.83

extern GTopp **sd_1**

1.84

extern GTopp **sd_1_bar**

1.85

extern GTopp **su_0**

1.86

extern GTopp **su_0_bar**

1.87

extern GTopp **su_1**

1.88

extern GTopp **su_1_bar**

1.89

extern GTopp **cluster**

1.90

extern GTopp **pdtstring**

1.91

extern GTopp **indep**

1.92

extern GTopp **CMshower**

1.93

extern GTopp **SPHEaxis**

1.94

extern GTopp **THRUaxis**

Thrust-Axis

Thrust-Axis

1.95

extern GTopp **CLUSjet**

1.96

extern GTopp **CELLjet**

1.97

extern GTopp **glueball**

Glueball

Glueball

1.98

extern GTopp **pidiffr_plus**

diffractive π^+

diffractive π^+

1.99

extern GTopp **pidiffr_minus**

diffractive π^-

diffractive π^-

1.100

extern GTopp **pi_zero**

π^0 Meson

π^0 Meson

1.101

extern GTopp **pi_plus**

π^+ Meson

π^+ Meson

1.102

extern GTopp **pi_minus**

π^- Meson

π^- Meson

1.103

extern GTopp **eta**

η^0 Meson

η^0 Meson

1.104

extern GTopp **rho_zero**

ρ^0 Meson

ρ^0 Meson

1.105

extern GTopp **rho_plus**

ρ^+ Meson

ρ^+ Meson

1.106

extern GTopp **rho_minus**

ρ^- Meson

ρ^- Meson

1.107

extern GTopp **omega**

ω Meson

ω Meson

1.108

extern GTopp **eta_prime**

η' *Meson*

η' Meson

1.109

extern GTopp **f_0**

f_0

f_0

1.110

extern GTopp **a_0_zero**

a_0^0

a_0^0

1.111

extern GTopp **a_0_plus**

a_0^+

a_0^+

1.112

extern GTopp **a_0_minus**

a_0^-

a_0^-

1.113

extern GTopp **phi**

ϕ *Meson*

ϕ Meson

1.114

extern GTopp **h_1**

h_1

h_1

1.115

extern GTopp **b1235_1_zero**

$b(1235)_1^0$

$b(1235)_1^0$

1.116

extern GTopp **b1235_1_plus**

$b(1235)_1^+$

$b(1235)_1^+$

1.117

extern GTopp **b1235_1_minus**

$b(1235)_1^-$

$b(1235)_1^-$

1.118

extern GTopp **a_1_zero**

a_1^0

a_1^0

1.119

extern GTopp **a_1_plus**

a_1^+

a_1^+

1.120

extern GTopp **a_1_minus**

a_1^-

a_1^-

1.121

extern GTopp **f_2**

f_2

f_2

1.122

extern GTopp **f_1**

f_1

f_1

1.123

extern GTopp **eta1295**

$\eta(1295)$

$\eta(1295)$

1.124

extern GTopp **f1300_0**

$f(1300)_0$

$f(1300)_0$

1.125

extern GTopp **pi1300_zero**

$\pi(1300)^0$

$\pi(1300)^0$

1.126

extern GTopp **pi1300_plus**

$\pi(1300)^+$

$\pi(1300)^+$

1.127

extern GTopp **pi1300_minus**

$\pi(1300)^-$

$\pi(1300)^-$

1.128

extern GTopp **a_2_zero**

a_2^0

a_2^0

1.129

extern GTopp **a_2_plus**

a_2^+

a_2^+

1.130

extern GTopp **a_2_minus**

a_2^-

a_2^-

1.131

extern GTopp **f_prime_0**

f_0'

f_0'

1.132

extern GTopp **f_prime_1**

f_1'

f_1'

1.133

extern GTopp **f1420_1**

$f(1420)_1$

$f(1420)_1$

1.134

extern GTopp **o1420**

$o(1420)$

$o(1420)$

1.135

extern GTopp **eta1440**

$\eta(1440)$

$\eta(1440)$

1.136

extern GTopp **rho1450_zero**

$\rho(1450)^0$

$\rho(1450)^0$

1.137

extern GTopp **rho1450_plus**

$\rho(1450)^+$

$\rho(1450)^+$

1.138

extern GTopp **rho1450_minus**

$\rho(1450)^-$

$\rho(1450)^-$

1.139

extern GTopp **f1510_prime_1**

$f(1510)'_1$

$f(1510)'_1$

1.140

extern GTopp **f_prime_2**

f'_2

f'_2

1.141

extern GTopp **f1590_0**

$f(1590)_0$

$f(1590)_0$

1.142

extern GTopp **omega1600**

$\omega(1600)$

$\omega(1600)$

1.143

extern GTopp **omega3**

ω_3

ω_3

1.144

extern GTopp **pi_2_zero**

π_2^0

π_2^0

1.145

extern GTopp **pi_2_plus**

π_2^+

π_2^+

1.146

extern GTopp **pi_2_minus**

π_2^-

π_2^-

1.147

extern GTopp **h_prime_1**

h_1'

h_1'

1.148

extern GTopp **rho_3_zero**

ρ_3^0

ρ_3^0

1.149

extern GTopp **rho_3_plus**

ρ_3^+

ρ_3^+

1.150

extern GTopp **rho_3_minus**

ρ_3^-

ρ_3^-

1.151

extern GTopp **rho1700_zero**

$\rho(1700)^0$

$\rho(1700)^0$

1.152

extern GTopp **rho1700_plus**

$\rho(1700)^+$

$\rho(1700)^+$

1.153

extern GTopp **rho1700_minus**

$\rho(1700)^-$

$\rho(1700)^-$

1.154

extern GTopp **phi_3**

ϕ_3

ϕ_3

1.155

extern GTopp **f2010_2**

$f(2010)_2$

$f(2010)_2$

1.156

extern GTopp **f2050_4**

$f(2050)_4$

$f(2050)_4$

1.157

extern GTopp **f2300_2**

$f(2300)_2$

$f(2300)_2$

1.158

extern GTopp **f2340_2**

$f(2340)_2$

$f(2340)_2$

1.159

extern GTopp **K_zero**

K^0

K^0

1.160

extern GTopp **K_bar**

$\bar{K}^0$

$\bar{K}^0$

1.161

extern GTopp **K_plus**

K^+

K^+

1.162

extern GTopp **K_minus**

K^-

K^-

1.163

extern GTopp **K_L**

K_L K-long

K_L K-long

1.164

extern GTopp **K_S**

K_S K-short

K_S K-short

1.165

extern GTopp **K_star_zero**

K^{*0}

K^{*0}

1.166

extern GTopp **K_star_bar**

$\bar{K}^{*0}$

$\bar{K}^{*0}$

1.167

extern GTopp **K_star_plus**

K^{*+}

K^{*+}

1.168

extern GTopp **K_star_minus**

K^{*-}

K^{*-}

1.169

extern GTopp **K1270_1_zero**

$K(1270)_1^0$

$K(1270)_1^0$

1.170

extern GTopp **K1270_1_bar**

$\bar{K}(1270)_1^0$

$\bar{K}(1270)_1^0$

1.171

extern GTopp **K1270_1_plus**

$K(1270)_1^+$

$K(1270)_1^+$

1.172

extern GTopp **K1270_1_minus**

$K(1270)_1^-$

$K(1270)_1^-$

1.173

extern GTopp **K1400_1_zero**

$K(1400)_1^0$

$K(1400)_1^0$

1.174

extern GTopp **K1400_1_bar**

$\bar{K}(1400)_1^0$

$\bar{K}(1400)_1^0$

1.175

extern GTopp **K1400_1_plus**

$K(1400)_1^+$

$K(1400)_1^+$

1.176

extern GTopp **K1400_1_minus**

$K(1400)_1^-$

$K(1400)_1^-$

1.177

extern GTopp **K1410_star_zero**

$K^{*0}(1410)$

$K^{*0}(1410)$

1.178

extern GTopp **K1410_star_bar**

$\bar{K}^{*0}(1410)$

$\bar{K}^{*0}(1410)$

1.179

extern GTopp **K1410_star_plus**

$K^{*+}(1410)$

$K^{*+}(1410)$

1.180

extern GTopp **K1410_star_minus**

$K^{*-}(1410)$

$K^{*-}(1410)$

1.181

extern GTopp **K1430_0_star_zero**

$K^{*0}(1430)_0$

$K^{*0}(1430)_0$

1.182

extern GTopp **K1430_0_star_bar**

$\bar{K}^{*0}(1430)_0$

$\bar{K}^{*0}(1430)_0$

1.183

extern GTopp **K1430_0_star_plus**

$K^{*+}(1430)_0$

$K^{*+}(1430)_0$

1.184

extern GTopp **K1430_0_star_minus**

$K^{*-}(1430)_0$

$K^{*-}(1430)_0$

1.185

extern GTopp **K_2_star_zero**

K_2^{*0}

K_2^{*0}

1.186

extern GTopp **K_2_star_bar**

$\bar{K}_2^{*0}$

$\bar{K}_2^{*0}$

1.187

extern GTopp **K_2_star_plus**

K_2^{*+}

K_2^{*+}

1.188

extern GTopp **K_2_star_minus**

K_2^{*-}

K_2^{*-}

1.189

extern GTopp **K1680_star_zero**

$K^{*0}(1680)$

$K^{*0}(1680)$

1.190

extern GTopp **K1680_star_bar**

$\bar{K}^{*0}(1680)$

$\bar{K}^{*0}(1680)$

1.191

extern GTopp **K1680_star_plus**

$K^{*+}(1680)$

$K^{*+}(1680)$

1.192

extern GTopp **K1680_star_minus**

$K^{*-}(1680)$

$K^{*-}(1680)$

1.193

extern GTopp **K1770_2_zero**

$K(1770)_2^0$

$K(1770)_2^0$

1.194

extern GTopp **K1770_2_bar**

$\bar{K}(1770)_2^0$

$\bar{K}(1770)_2^0$

1.195

extern GTopp **K1770_2_plus**

$K(1770)_2^+$

$K(1770)_2^+$

1.196

extern GTopp **K1770_2_minus**

$K(1770)_2^-$

$K(1770)_2^-$

1.197

extern GTopp **K_3_star_zero**

K_3^{*0}

K_3^{*0}

1.198

extern GTopp **K_3_star_bar**

$\bar{K}_3^{*0}$

$\bar{K}_3^{*0}$

1.199

extern GTopp **K_3_star_plus**

K_3^{*+}

K_3^{*+}

1.200

extern GTopp **K_3_star_minus**

K_3^{*-}

K_3^{*-}

1.201

extern GTopp **K1820_2_zero**

$K^{*0}(1820)_2$

$K^{*0}(1820)_2$

1.202

extern GTopp **K1820_2_bar**

$\bar{K}^{*0}(1820)_2$

$\bar{K}^{*0}(1820)_2$

1.203

extern GTopp **K1820_2_plus**

$K^{*+}(1820)_2$

$K^{*+}(1820)_2$

1.204

extern GTopp **K1820_2_minus**

$K^{*-}(1820)_2$

$K^{*-}(1820)_2$

1.205

extern GTopp **K_4_star_zero**

K_4^{*0}

K_4^{*0}

1.206

extern GTopp **K_4_star_bar**

$\bar{K}_4^{*0}$

$\bar{K}_4^{*0}$

1.207

extern GTopp **K_4_star_plus**

K_4^{*+}

K_4^{*+}

1.208

extern GTopp **K_4_star_minus**

K_4^{*-}

K_4^{*-}

1.209

extern GTopp **D_zero**

D^0

D^0

1.210

extern GTopp **D_bar**

$\bar{D}$

$\bar{D}$

1.211

extern GTopp **D_plus**

D^+

D^+

1.212

extern GTopp **D_minus**

D^-

D^-

1.213

extern GTopp **D_s_plus**

D_s^+

D_s^+

1.214

extern GTopp **D_s_minus**

D_s^-

D_s^-

1.215

extern GTopp **D_star_zero**

D^{*0}

D^{*0}

1.216

extern GTopp **D_star_bar**

$\bar{D}^{*0}$

$\bar{D}^{*0}$

1.217

extern GTopp **D_star_plus**

D^{*+}

D^{*+}

1.218

extern GTopp **D_star_minus**

D^{*-}

D^{*-}

1.219

extern GTopp **D_s_star_plus**

D_s^{*+}

D_s^{*+}

1.220

extern GTopp **D_s_star_minus**

D_s^{*-}

D_s^{*-}

1.221

extern GTopp **D_0_star_zero**

D_0^{*0}

D_0^{*0}

1.222

extern GTopp **D_0_star_bar**

$\bar{D}_0^{*0}$

$\bar{D}_0^{*0}$

1.223

extern GTopp **D_0_star_plus**

D_0^{*+}

D_0^{*+}

1.224

extern GTopp **D_0_star_minus**

D_0^{*-}

D_0^{*-}

1.225

extern GTopp **D_s0_star_plus**

D_{s0}^{*0}

D_{s0}^{*0}

1.226

extern GTopp **D_s0_star_minus**

$\bar{D}_{s0}^{*0}$

$\bar{D}_{s0}^{*0}$

1.227

extern GTopp **D_1_zero**

D_1^0

D_1^0

1.228

extern GTopp **D_1_bar**

$\bar{D}_1$

$\bar{D}_1$

1.229

extern GTopp **D_1_plus**

D_1^+

D_1^+

1.230

extern GTopp **D_1_minus**

D_1^-

D_1^-

1.231

extern GTopp **D_s1_plus**

D_{s1}^+

D_{s1}^+

1.232

extern GTopp **D_s1_minus**

D_{s1}^-

D_{s1}^-

1.233

extern GTopp **D_1_star_zero**

D_1^{*0}

D_1^{*0}

1.234

extern GTopp **D_1_star_bar**

$\bar{D}_1^{*0}$

$\bar{D}_1^{*0}$

1.235

extern GTopp **D_1_star_plus**

D_1^{*+}

D_1^{*+}

1.236

extern GTopp **D_1_star_minus**

D_1^{*-}

D_1^{*-}

1.237

extern GTopp **D_s1_star_plus**

D_{s1}^{*+}

D_{s1}^{*+}

1.238

extern GTopp **D_s1_star_minus**

D_{s1}^{*-}

D_{s1}^{*-}

1.239

extern GTopp **D_2_star_zero**

D_2^{*0}

D_2^{*0}

1.240

extern GTopp **D_2_star_bar**

$\bar{D}_2^{*0}$

$\bar{D}_2^{*0}$

1.241

extern GTopp **D_2_star_plus**

D_2^{*+}

D_2^{*+}

1.242

extern GTopp **D_2_star_minus**

D_2^{*-}

D_2^{*-}

1.243

extern GTopp **D_s2_star_plus**

D_{s2}^{*+}

D_{s2}^{*+}

1.244

extern GTopp **D_s2_star_minus**

D_{s2}^{*-}

D_{s2}^{*-}

1.245

extern GTopp **B_zero**

B^0

B^0

1.246

extern GTopp **B_bar**

$\bar{B}^0$

$\bar{B}^0$

1.247

extern GTopp **B_plus**

B^+

B^+

1.248

extern GTopp **B_minus**

B^-

B^-

1.249

extern GTopp **B_s_zero**

B_s^0

B_s^0

1.250

extern GTopp **B_s_bar**

$\bar{B}_s^0$

$\bar{B}_s^0$

1.251

extern GTopp **B_c_plus**

B_c^+

B_c^+

1.252

extern GTopp **B_c_minus**

B_c^-

B_c^-

1.253

extern GTopp **B_star_zero**

B^{*0}

B^{*0}

1.254

extern GTopp **B_star_bar**

$\bar{B}^{*0}$

$\bar{B}^{*0}$

1.255

extern GTopp **B_star_plus**

B^{*+}

B^{*+}

1.256

extern GTopp **B_star_minus**

B^{*-}

B^{*-}

1.257

extern GTopp **B_s_star_zero**

B_s^{*0}

B_s^{*0}

1.258

extern GTopp **B_s_star_bar**

$\bar{B}_s^{*0}$

$\bar{B}_s^{*0}$

1.259

extern GTopp **B_c_star_plus**

B_c^{*+}

B_c^{*+}

1.260

extern GTopp **B_c_star_minus**

B_c^{*-}

B_c^{*-}

1.261

extern GTopp **B_0_star_zero**

B_0^{*0}

B_0^{*0}

1.262

extern GTopp **B_0_star_bar**

$\bar{B}_0^{*0}$

$\bar{B}_0^{*0}$

1.263

extern GTopp **B_0_star_plus**

B_0^{*+}

B_0^{*+}

1.264

extern GTopp **B_0_star_minus**

B_0^{*-}

B_0^{*-}

1.265

extern GTopp **B_s0_star_zero**

B_{s0}^{*0}

B_{s0}^{*0}

1.266

extern GTopp **B_s0_star_bar**

$\bar{B}_{s0}^{*0}$

$\bar{B}_{s0}^{*0}$

1.267

extern GTopp **B_c0_star_plus**

B_{c0}^{*+}

B_{c0}^{*+}

1.268

extern GTopp **B_c0_star_minus**

B_{c0}^{*-}

B_{c0}^{*-}

1.269

extern GTopp **B_1_zero**

B_1^0

B_1^0

1.270

extern GTopp **B_1_bar**

$\bar{B}_1^0$

$\bar{B}_1^0$

1.271

extern GTopp **B_1_plus**

B_1^+

B_1^+

1.272

extern GTopp **B_1_minus**

B_1^-

B_1^-

1.273

extern GTopp **B_s1_zero**

B^0_{s1}

B^0_{s1}

1.274

extern GTopp **B_s1_bar**

$\bar{B}^0_{s1}$

$\bar{B}^0_{s1}$

1.275

extern GTopp **B_c1_plus**

B^+_{c1}

B^+_{c1}

1.276

extern GTopp **B_c1_minus**

B^-_{c1}

B^-_{c1}

1.277

extern GTopp **B_1_star_zero**

B^{*0}_1

B^{*0}_1

1.278

extern GTopp **B_1_star_bar**

$\bar{B}_1^{*0}$

$\bar{B}_1^{*0}$

1.279

extern GTopp **B_1_star_plus**

B_1^{*+}

B_1^{*+}

1.280

extern GTopp **B_1_star_minus**

B_1^{*-}

B_1^{*-}

1.281

extern GTopp **B_s1_star_zero**

B_{s1}^{*0}

B_{s1}^{*0}

1.282

extern GTopp **B_s1_star_bar**

$\bar{B}_{s1}^{*0}$

$\bar{B}_{s1}^{*0}$

1.283

extern GTopp **B_c1_star_plus**

B_{c1}^{*+}

B_{c1}^{*+}

1.284

extern GTopp **B_c1_star_minus**

B_{c1}^{*-}

B_{c1}^{*-}

1.285

extern GTopp **B_2_star_zero**

B_2^{*0}

B_2^{*0}

1.286

extern GTopp **B_2_star_bar**

$\bar{B}_2^{*0}$

$\bar{B}_2^{*0}$

1.287

extern GTopp **B_2_star_plus**

B_2^{*+}

B_2^{*+}

1.288

extern GTopp **B_2_star_minus**

B_2^{*-}

B_2^{*-}

1.289

extern GTopp **B_s2_star_zero**

B_{s2}^{*0}

B_{s2}^{*0}

1.290

extern GTopp **B_s2_star_bar**

$\bar{B}_{s2}^{*0}$

$\bar{B}_{s2}^{*0}$

1.291

extern GTopp **B_c2_star_plus**

B_{c2}^{*+}

B_{c2}^{*+}

1.292

extern GTopp **B_c2_star_minus**

B_{c2}^{*-}

B_{c2}^{*-}

1.293

extern GTopp **eta_c**

η_c

η_c

1.294

extern GTopp **Jpsi**

J/Ψ

J/Ψ

1.295

extern GTopp **h_c1**

h_{c1}

h_{c1}

1.296

extern GTopp **chi_c0**

χ_{c0}

χ_{c0}

1.297

extern GTopp **chi_c1**

χ_{c1}

χ_{c1}

1.298

extern GTopp **chi_c2**

χ_{c2}

χ_{c2}

1.299

extern GTopp **psi2S**

$\Psi(2S)$

$\Psi(2S)$

1.300

extern GTopp **psi3S**

$\Psi(3S)$

$\Psi(3S)$

1.301

extern GTopp **psi4S**

$\Psi(4S)$

$\Psi(4S)$

1.302

extern GTopp **psi5S**

$\Psi(5S)$

$\Psi(5S)$

1.303

extern GTopp **psi6S**

$\Psi(6S)$

$\Psi(6S)$

1.304

extern GTopp **eta_b**

η_b

η_b

1.305

extern GTopp **Upsilon**

Υ

Υ

1.306

extern GTopp **h_b1**

h_{b1}

h_{b1}

1.307

extern GTopp **chi_b0**

χ_{b0}

χ_{b0}

1.308

extern GTopp **chi_b1**

χ_{b1}

χ_{b1}

1.309

extern GTopp **chi_b2**

χ_{b2}

χ_{b2}

1.310

extern GTopp **Ups2S**

$\Upsilon(2S)$

$\Upsilon(2S)$

1.311

extern GTopp **Ups3S**

$\Upsilon(3S)$

$\Upsilon(3S)$

1.312

extern GTopp **Ups4S**

$\Upsilon(4S)$

$\Upsilon(4S)$

1.313

extern GTopp **Ups5S**

$\Upsilon(5S)$

$\Upsilon(5S)$

1.314

extern GTopp **Ups6S**

$\Upsilon(6S)$

$\Upsilon(6S)$

1.315

extern GTopp **chi2P_b0**

$\chi(2P)_{b0}$

$\chi(2P)_{b0}$

1.316

extern GTopp **chi2P_b1**

$\chi(2P)_{b1}$

$\chi(2P)_{b1}$

1.317

extern GTopp **chi2P_b2**

$\chi(2P)_{b2}$

$\chi(2P)_{b2}$

1.318

extern GTopp **eta_t**

η_t

η_t

1.319

extern GTopp **Theta**

Θ

Θ

1.320

extern GTopp **h_t1**

h_{t1}

h_{t1}

1.321

extern GTopp **chi_t0**

χ_{t0}

χ_{t0}

1.322

extern GTopp **chi_t1**

χ_{t1}

χ_{t1}

1.323

extern GTopp **chi_t2**

χ_{t2}

χ_{t2}

1.324

extern GTopp **eta_l**

η_l

η_l

1.325

extern GTopp **Theta_l**

Θ_l

Θ_l

1.326

extern GTopp **h_l1**

h_{l1}

h_{l1}

1.327

extern GTopp **chi_l0**

χ_{l0}

χ_{l0}

1.328

extern GTopp **chi_l1**

χ_{l1}

χ_{l1}

1.329

extern GTopp **chi_l2**

χ_{l2}

χ_{l2}

1.330

extern GTopp **eta_h**

η_h

η_h

1.331

extern GTopp **Theta_h**

Θ_h

Θ_h

1.332

extern GTopp **h_h1**

h_{h1}

h_{h1}

1.333

extern GTopp **chi_h0**

χ_{h0}

χ_{h0}

1.334

extern GTopp **chi_h1**

χ_{h1}

χ_{h1}

1.335

extern GTopp **chi_h2**

χ_{h2}

χ_{h2}

1.336

extern GTopp **pdiffr**

diffractive proton

diffractive proton

1.337

extern GTopp **pdiffr_bar**

diffractive anti-proton

diffractive anti-proton

1.338

extern GTopp **ndiffr**

diffractive neutron

diffractive neutron

1.339

extern GTopp **nduffr_bar**

diffractive anti-neutron

diffractive anti-neutron

1.340

extern GTopp **proton**

Proton

Proton

1.341

extern GTopp **p_bar**

Antiproton

Antiproton

1.342

extern GTopp **neutron**

Neutron

Neutron

1.343

extern GTopp **n_bar**

Antineutron

Antineutron

1.344

extern GTopp **Delta_plus_plus**

Δ^{++}

Δ^{++}

1.345

extern GTopp **Delta_bar_minus_minus**

$\bar{\Delta}^{--}$

$\bar{\Delta}^{--}$

1.346

extern GTopp **Delta_plus**

Δ^{+}

Δ^{+}

1.347

extern GTopp **Delta_bar_minus**

$\bar{\Delta}^{-}$

$\bar{\Delta}^{-}$

1.348

extern GTopp **Delta_zero**

Δ^0

Δ^0

1.349

extern GTopp **Delta_bar_zero**

$\bar{\Delta}^0$

$\bar{\Delta}^0$

1.350

extern GTopp **Delta_minus**

Δ^-

Δ^-

1.351

extern GTopp **Delta_bar_plus**

$\bar{\Delta}^+$

$\bar{\Delta}^+$

1.352

extern GTopp **Lam_zero**

Λ^0

Λ^0

1.353

extern GTopp **Lam_bar_zero**

$\bar{\Lambda}^0$

$\bar{\Lambda}^0$

1.354

extern GTopp **Lam_c_plus**

Λ_c^+

Λ_c^+

1.355

extern GTopp **Lam_c_bar_minus**

$\bar{\Lambda}_c^-$

$\bar{\Lambda}_c^-$

1.356

extern GTopp **Lam_b_zero**

Λ_b^0

Λ_b^0

1.357

extern GTopp **Lam_b_bar_zero**

$\bar{\Lambda}_b^0$

$\bar{\Lambda}_b^0$

1.358

extern GTopp **Sig_plus**

Σ^+

Σ^+

1.359

extern GTopp **Sig_bar_minus**

$\bar{\Sigma}^-$

$\bar{\Sigma}^-$

1.360

extern GTopp **Sig_zero**

Σ^0

Σ^0

1.361

extern GTopp **Sig_bar_zero**

$\bar{\Sigma}^0$

$\bar{\Sigma}^0$

1.362

extern GTopp **Sig_minus**

Σ^-

Σ^-

1.363

extern GTopp **Sig_bar_plus**

$\bar{\Sigma}^{+}$

$\bar{\Sigma}^{+}$

1.364

extern GTopp **Sig_c_plus_plus**

Σ_c^{++}

Σ_c^{++}

1.365

extern GTopp **Sig_c_bar_minus_minus**

$\bar{\Sigma}_c^{--}$

$\bar{\Sigma}_c^{--}$

1.366

extern GTopp **Sig_c_plus**

Σ_c^{+}

Σ_c^{+}

1.367

extern GTopp **Sig_c_bar_minus**

$\bar{\Sigma}_c^{-}$

$\bar{\Sigma}_c^{-}$

1.368

extern GTopp **Sig_c_zero**

Σ_c^0

Σ_c^0

1.369

extern GTopp **Sig_c_bar_zero**

$\bar{\Sigma}_c^0$

$\bar{\Sigma}_c^0$

1.370

extern GTopp **Sig_b_plus**

Σ_b^+

Σ_b^+

1.371

extern GTopp **Sig_b_bar_minus**

$\bar{\Sigma}_b^-$

$\bar{\Sigma}_b^-$

1.372

extern GTopp **Sig_b_zero**

Σ_b^0

Σ_b^0

1.373

extern GTopp **Sig_b_bar_zero**

$\bar{\Sigma}_b^0$

$\bar{\Sigma}_b^0$

1.374

extern GTopp **Sig_b_minus**

Σ_b^-

Σ_b^-

1.375

extern GTopp **Sig_b_bar_plus**

$\bar{\Sigma}_b^+$

$\bar{\Sigma}_b^+$

1.376

extern GTopp **Sig_star_plus**

Σ^{*+}

Σ^{*+}

1.377

extern GTopp **Sig_star_bar_minus**

$\bar{\Sigma}^{*-}$

$\bar{\Sigma}^{*-}$

1.378

extern GTopp **Sig_star_zero**

Σ^{*0}

Σ^{*0}

1.379

extern GTopp **Sig_star_bar_zero**

$\bar{\Sigma}^{*0}$

$\bar{\Sigma}^{*0}$

1.380

extern GTopp **Sig_star_minus**

Σ^{*-}

Σ^{*-}

1.381

extern GTopp **Sig_star_bar_plus**

$\bar{\Sigma}^{*+}$

$\bar{\Sigma}^{*+}$

1.382

extern GTopp **Sig_c_star_plus_plus**

Σ_c^{*++}

Σ_c^{*++}

1.383

extern GTopp **Sig_c_star_bar_minus_minus**

$\bar{\Sigma}_c^{*--}$

$\bar{\Sigma}_c^{*--}$

1.384

extern GTopp **Sig_c_star_plus**

Σ_c^{*+}

Σ_c^{*+}

1.385

extern GTopp **Sig_c_star_bar_minus**

$\bar{\Sigma}_c^{*-}$

$\bar{\Sigma}_c^{*-}$

1.386

extern GTopp **Sig_c_star_zero**

Σ_c^{*0}

Σ_c^{*0}

1.387

extern GTopp **Sig_c_star_bar_zero**

$\bar{\Sigma}_c^{*0}$

$\bar{\Sigma}_c^{*0}$

1.388

extern GTopp **Sig_b_star_plus**

Σ_b^{*+}

Σ_b^{*+}

1.389

extern GTopp **Sig_b_star_bar_minus**

$\bar{\Sigma}_b^{*-}$

$\bar{\Sigma}_b^{*-}$

1.390

extern GTopp **Sig_b_star_zero**

Σ_b^{*0}

Σ_b^{*0}

1.391

extern GTopp **Sig_b_star_bar_zero**

$\bar{\Sigma}_b^{*0}$

$\bar{\Sigma}_b^{*0}$

1.392

extern GTopp **Sig_b_star_minus**

Σ_b^{*-}

Σ_b^{*-}

1.393

extern GTopp **Sig_b_star_bar_plus**

$\bar{\Sigma}_b^{*+}$

$\bar{\Sigma}_b^{*+}$

1.394

extern GTopp **Xi_zero**

Ξ^0

Ξ^0

1.395

extern GTopp **Xi_bar_zero**

$\bar{\Xi}^0$

$\bar{\Xi}^0$

1.396

extern GTopp **Xi_minus**

Ξ^-

Ξ^-

1.397

extern GTopp **Xi_bar_plus**

$\bar{\Xi}^+$

$\bar{\Xi}^+$

1.398

extern GTopp **Xi_c_plus**

Ξ_c^+

Ξ_c^+

1.399

extern GTopp **Xi_c_bar_minus**

$\bar{\Xi}_c^-$

$\bar{\Xi}_c^-$

1.400

extern GTopp **Xi_c_zero**

Ξ_c^0

Ξ_c^0

1.401

extern GTopp **Xi_c_bar_zero**

$\bar{\Xi}_c^0$

$\bar{\Xi}_c^0$

1.402

extern GTopp **Xi_prime_c_plus**

$\Xi_c'^+$

$\Xi_c'^+$

1.403

extern GTopp **Xi_prime_c_bar_minus**

$\bar{\Xi}_c^{\prime -}$

$\bar{\Xi}_c^{\prime -}$

1.404

extern GTopp **Xi_prime_c_zero**

$\Xi_c^{\prime 0}$

$\Xi_c^{\prime 0}$

1.405

extern GTopp **Xi_prime_c_bar_zero**

$\bar{\Xi}_c^{\prime 0}$

$\bar{\Xi}_c^{\prime 0}$

1.406

extern GTopp **Xi_cc_plus_plus**

Ξ_{cc}^{++}

Ξ_{cc}^{++}

1.407

extern GTopp **Xi_cc_bar_minus_minus**

$\bar{\Xi}_{cc}^{--}$

$\bar{\Xi}_{cc}^{--}$

1.408

extern GTopp **Xi_cc_plus**

Ξ_{cc}^{+}

Ξ_{cc}^{+}

1.409

extern GTopp **Xi_cc_bar_minus**

$\bar{\Xi}_{cc}^{-}$

$\bar{\Xi}_{cc}^{-}$

1.410

extern GTopp **Xi_star_zero**

Ξ^{*0}

Ξ^{*0}

1.411

extern GTopp **Xi_star_bar_zero**

$\bar{\Xi}^{*0}$

$\bar{\Xi}^{*0}$

1.412

extern GTopp **Xi_star_minus**

Ξ^{*-}

Ξ^{*-}

1.413

extern GTopp **Xi_star_bar_plus**

$\bar{\Xi}^{*+}$

$\bar{\Xi}^{*+}$

1.414

extern GTopp **Xi_c_star_plus**

Ξ_c^{*+}

Ξ_c^{*+}

1.415

extern GTopp **Xi_c_star_bar_minus**

$\bar{\Xi}_c^{*-}$

$\bar{\Xi}_c^{*-}$

1.416

extern GTopp **Xi_c_star_zero**

Ξ_c^{*0}

Ξ_c^{*0}

1.417

extern GTopp **Xi_c_star_bar_zero**

$\bar{\Xi}_c^{*0}$

$\bar{\Xi}_c^{*0}$

1.418

extern GTopp **Xi_cc_star_plus_plus**

Ξ_{cc}^{*++}

Ξ_{cc}^{*++}

1.419

extern GTopp **Xi_cc_star_bar_minus_minus**

$\bar{\Xi}_{cc}^{*--}$

$\bar{\Xi}_{cc}^{*--}$

1.420

extern GTopp **Xi_cc_star_plus**

Ξ_{cc}^{*+}

Ξ_{cc}^{*+}

1.421

extern GTopp **Xi_cc_star_bar_minus**

$\bar{\Xi}_{cc}^{*-}$

$\bar{\Xi}_{cc}^{*-}$

1.422

extern GTopp **Xi_b_zero**

Ξ_b^0

Ξ_b^0

1.423

extern GTopp **Xi_b_bar_zero**

$\bar{\Xi}_b^0$

$\bar{\Xi}_b^0$

1.424

extern GTopp **Xi_b_minus**

Ξ_b^-

Ξ_b^-

1.425

extern GTopp **Xi_b_bar_plus**

$\bar{\Xi}^+$

$\bar{\Xi}^+$

1.426

extern GTopp **Xi_prime_b_zero**

$\Xi_b'^0$

$\Xi_b'^0$

1.427

extern GTopp **Xi_prime_b_bar_zero**

$\bar{\Xi}'^0_b$

$\bar{\Xi}'^0_b$

1.428

extern GTopp **Xi_prime_b_minus**

Ξ'^-_b

Ξ'^-_b

1.429

extern GTopp **Xi_prime_b_bar_plus**

$\bar{\Xi}'^+_b$

$\bar{\Xi}'^+_b$

1.430

extern GTopp **Xi_bc_plus**

Ξ^+_{bc}

Ξ^+_{bc}

1.431

extern GTopp **Xi_bc_bar_minus**

$\bar{\Xi}_{bc}^{-}$

$\bar{\Xi}_{bc}^{-}$

1.432

extern GTopp **Xi_bc_zero**

Ξ_{bc}^{0}

Ξ_{bc}^{0}

1.433

extern GTopp **Xi_bc_bar_zero**

$\bar{\Xi}_{bc}^{0}$

$\bar{\Xi}_{bc}^{0}$

1.434

extern GTopp **Xi_prime_bc_plus**

$\Xi_{bc}^{\prime +}$

$\Xi_{bc}^{\prime +}$

1.435

extern GTopp **Xi_prime_bc_bar_minus**

$\bar{\Xi}_{bc}^{\prime -}$

$\bar{\Xi}_{bc}^{\prime -}$

1.436

extern GTopp **Xi_prime_bc_zero**

Ξ'^0_{bc}

Ξ'^0_{bc}

1.437

extern GTopp **Xi_prime_bc_bar_zero**

$\bar{\Xi}'^0_{bc}$

$\bar{\Xi}'^0_{bc}$

1.438

extern GTopp **Xi_bb_zero**

Ξ^0_{bb}

Ξ^0_{bb}

1.439

extern GTopp **Xi_bb_bar_zero**

$\bar{\Xi}^0_{bb}$

$\bar{\Xi}^0_{bb}$

1.440

extern GTopp **Xi_bb_minus**

Ξ^+_{bb}

Ξ^+_{bb}

1.441

extern GTopp **Xi_bb_bar_plus**

$\bar{\Xi}_{bb}^{-}$

$\bar{\Xi}_{bb}^{-}$

1.442

extern GTopp **Xi_b_star_zero**

Ξ_b^{*0}

Ξ_b^{*0}

1.443

extern GTopp **Xi_b_star_bar_zero**

$\bar{\Xi}_b^{*0}$

$\bar{\Xi}_b^{*0}$

1.444

extern GTopp **Xi_b_star_minus**

Ξ_b^{*-}

Ξ_b^{*-}

1.445

extern GTopp **Xi_b_star_bar_plus**

$\bar{\Xi}_b^{*+}$

$\bar{\Xi}_b^{*+}$

1.446

extern GTopp **Xi_bc_star_plus**

Ξ_{bc}^{*+}

Ξ_{bc}^{*+}

1.447

extern GTopp **Xi_bc_star_bar_minus**

$\bar{\Xi}_{bc}^{*-}$

$\bar{\Xi}_{bc}^{*-}$

1.448

extern GTopp **Xi_bc_star_zero**

Ξ_{bc}^{*0}

Ξ_{bc}^{*0}

1.449

extern GTopp **Xi_bc_star_bar_zero**

$\bar{\Xi}_{bc}^{*0}$

$\bar{\Xi}_{bc}^{*0}$

1.450

extern GTopp **Xi_bb_star_zero**

Ξ_{bb}^{*0}

Ξ_{bb}^{*0}

1.451

extern GTopp **Xi_bb_star_bar_zero**

$\bar{\Xi}_{bb}^{*0}$

$\bar{\Xi}_{bb}^{*0}$

1.452

extern GTopp **Xi_bb_star_minus**

Ξ_{bb}^{*-}

Ξ_{bb}^{*-}

1.453

extern GTopp **Xi_bb_star_bar_plus**

$\bar{\Xi}_{bb}^{*+}$

$\bar{\Xi}_{bb}^{*+}$

1.454

extern GTopp **Ome_minus**

Ω^{-}

Ω^{-}

1.455

extern GTopp **Ome_bar_plus**

$\bar{\Omega}^{+}$

$\bar{\Omega}^{+}$

1.456

extern GTopp **Ome_c_zero**

Ω_c^0

Ω_c^0

1.457

extern GTopp **Ome_c_bar_zero**

$\bar{\Omega}_c^0$

$\bar{\Omega}_c^0$

1.458

extern GTopp **Ome_cc_plus**

Ω_{cc}^+

Ω_{cc}^+

1.459

extern GTopp **Ome_cc_bar_minus**

$\bar{\Omega}_{cc}^-$

$\bar{\Omega}_{cc}^-$

1.460

extern GTopp **Ome_ccc_plus_plus**

Ω_{ccc}^{++}

Ω_{ccc}^{++}

1.461

extern GTopp **Ome_ccc_bar_minus_minus**

$\bar{\Omega}^{--}_{ccc}$

$\bar{\Omega}^{--}_{ccc}$

1.462

extern GTopp **Ome_b_minus**

Ω^{-}_{b}

Ω^{-}_{b}

1.463

extern GTopp **Ome_b_bar_plus**

$\bar{\Omega}^{+}_{b}$

$\bar{\Omega}^{+}_{b}$

1.464

extern GTopp **Ome_bc_zero**

Ω^{0}_{bc}

Ω^{0}_{bc}

1.465

extern GTopp **Ome_bc_bar_zero**

$\bar{\Omega}^{0}_{bc}$

$\bar{\Omega}^{0}_{bc}$

1.466

extern GTopp **Ome_prime_bc_zero**

Ω'^0_{bc}

Ω'^0_{bc}

1.467

extern GTopp **Ome_prime_bc_bar_zero**

$\bar{\Omega}'^0_{bc}$

$\bar{\Omega}'^0_{bc}$

1.468

extern GTopp **Ome_bcc_plus**

Ω^+_{bcc}

Ω^+_{bcc}

1.469

extern GTopp **Ome_bcc_bar_minus**

$\bar{\Omega}^-_{bcc}$

$\bar{\Omega}^-_{bcc}$

1.470

extern GTopp **Ome_bb_minus**

Ω^-_{bb}

Ω^-_{bb}

1.471

extern GTopp **Ome_bb_bar_plus**

$\bar{\Omega}^{+}_{bb}$

$\bar{\Omega}^{+}_{bb}$

1.472

extern GTopp **Ome_bbc_zero**

Ω^{0}_{bbc}

Ω^{0}_{bbc}

1.473

extern GTopp **Ome_bbc_bar_zero**

$\bar{\Omega}^{0}_{bbc}$

$\bar{\Omega}^{0}_{bbc}$

1.474

extern GTopp **Ome_bbb_minus**

Ω^{-}_{bbb}

Ω^{-}_{bbb}

1.475

extern GTopp **Ome_bbb_bar_plus**

$\bar{\Omega}^{+}_{bbb}$

$\bar{\Omega}^{+}_{bbb}$

1.476

extern GTopp **Ome_c_star_zero**

Ω_c^{*0}

Ω_c^{*0}

1.477

extern GTopp **Ome_c_star_bar_zero**

$\bar{\Omega}_c^{*0}$

$\bar{\Omega}_c^{*0}$

1.478

extern GTopp **Ome_cc_star_plus**

Ω_{cc}^{*+}

Ω_{cc}^{*+}

1.479

extern GTopp **Ome_cc_star_bar_minus**

$\bar{\Omega}_{cc}^{*-}$

$\bar{\Omega}_{cc}^{*-}$

1.480

extern GTopp **Ome_b_star_minus**

Ω_b^{*-}

Ω_b^{*-}

1.481

extern GTopp **Ome_b_star_bar_plus**

$\bar{\Omega}_b^{*+}$

$\bar{\Omega}_b^{*+}$

1.482

extern GTopp **Ome_bc_star_zero**

Ω_{bc}^{*0}

Ω_{bc}^{*0}

1.483

extern GTopp **Ome_bc_star_bar_zero**

$\bar{\Omega}_{bc}^{*0}$

$\bar{\Omega}_{bc}^{*0}$

1.484

extern GTopp **Ome_bcc_star_plus**

Ω_{bcc}^{*+}

Ω_{bcc}^{*+}

1.485

extern GTopp **Ome_bcc_star_bar_minus**

$\bar{\Omega}_{bcc}^{*-}$

$\bar{\Omega}_{bcc}^{*-}$

1.486

extern GTopp **Ome_bb_star_minus**

Ω_{bb}^{*-}

Ω_{bb}^{*-}

1.487

extern GTopp **Ome_bb_star_bar_plus**

$\bar{\Omega}_{bb}^{*+}$

$\bar{\Omega}_{bb}^{*+}$

1.488

extern GTopp **Ome_bbc_star_zero**

Ω_{bbc}^{*0}

Ω_{bbc}^{*0}

1.489

extern GTopp **Ome_bbc_star_bar_zero**

$\bar{\Omega}_{bbc}^{*0}$

$\bar{\Omega}_{bbc}^{*0}$

1.490

extern GTopp **Deuteron**

1.491

extern GTopp **Deuteron_bar**

1.492

extern GTopp **Tritium**

1.493

extern GTopp **Tritium_bar**

1.494

extern GTopp **Alpha**

1.495

extern GTopp **Alpha_bar**

1.496

extern GTopp **Lithium**

1.497

extern GTopp **Lithium_bar**

1.498

extern GTopp **Beryllium**

1.499

extern GTopp **Beryllium_bar**

1.500

extern GTopp **Boron**

1.501

extern GTopp **Boron_bar**

1.502

extern GTopp **Carbon**

1.503

extern GTopp **Carbon_bar**

1.504

extern GTopp **Nitrogen**

1.505

extern GTopp **Nitrogen_bar**

1.506

extern GTopp **Oxygen**

1.507

extern GTopp **Oxygen_bar**

1.508

extern GTopp **Fluorine**

1.509

extern GTopp **Fluorine_bar**

1.510

extern GTopp **Neon**

1.511

extern GTopp **Neon_bar**

1.512

extern GTopp **Sodium**

1.513

extern GTopp **Sodium_bar**

1.514

extern GTopp **Magnesium**

1.515

extern GTopp **Magnesium_bar**

1.516

extern GTopp **Aluminum**

1.517

extern GTopp **Aluminum_bar**

1.518

extern GTopp **Silicon**

1.519

extern GTopp **Silicon_bar**

1.520

extern GTopp **Phosphoros**

1.521

extern GTopp **Phosphoros_bar**

1.522

extern GTopp **Sulfur**

1.523

extern GTopp **Sulfur_bar**

1.524

extern GTopp **Chlorine**

1.525

extern GTopp **Chlorine_bar**

1.526

extern GTopp **Argon**

1.527

extern GTopp **Argon_bar**

1.528

extern GTopp **Potassium**

1.529

extern GTopp **Potassium_bar**

1.530

extern GTopp **Calcium**

1.531

extern GTopp **Calcium_bar**

1.532

extern GTopp **Scandium**

1.533

extern GTopp **Scandium_bar**

1.534

extern GTopp **Titanium**

1.535

extern GTopp **Titanium_bar**

1.536

extern GTopp **Vanadium**

1.537

extern GTopp **Vanadium_bar**

1.538

extern GTopp **Chromium**

1.539

extern GTopp **Chromium_bar**

1.540

extern GTopp **Manganese**

1.541

extern GTopp **Manganese_bar**

1.542

extern GTopp **Iron**

1.543

extern GTopp **Iron_bar**

1.544

extern GTopp **Cobalt**

1.545

extern GTopp **Cobalt_bar**

1.546

extern GTopp **Nickel**

1.547

extern GTopp **Nickel_bar**

1.548

extern GTopp **Copper**

1.549

extern GTopp **Copper_bar**

1.550

extern GTopp **cd_0**

1.551

extern GTopp **cd_0_bar**

1.552

extern GTopp **cd_1**

1.553

extern GTopp **cd_1_bar**

1.554

extern GTopp **cu_0**

1.555

extern GTopp **cu_0_bar**

1.556

extern GTopp **cu_1**

1.557

extern GTopp **cu_1_bar**

1.558

extern GTopp **Any**

Any particle

Any particle

1.559

extern GTopp **Any_plus**

Any positive particle

Any positive particle

1.560

extern GTopp **Any_minus**

Any negative particle

Any negative particle