Physical variable	SC name	units	COMP name	units	EOS index
average mass number	Abar	–	–	–	–
mass fraction α	Xa	–	–	–	–
mass fraction heavy nuclei	Xh	–	–	–	–
mass fraction neutrons	Xn	–	–	–	–
mass fractions protons	Xp	–	–	–	–
average atomic number	Zbar	–	–	–	–
squared sound speed	cs2	c^2	c_s^2	c^2	11
$\frac{d\epsilon}{dt}$	dedt	erg g^{-1} K^{-1}	–	–	–
$\frac{dp}{d\epsilon}\|_{\rho_b}$	dpderho	g cm^{-3}	derivative $\mathrm{d}p/\mathrm{d}E\|_{n_b}$	fm^{-3}	10
$\frac{dp}{d\rho_b}\|_{\epsilon}$	dpdrhoe	cm^2 s^{-2}	derivative $\mathrm{d}p/\mathrm{d}n_b\|_E$	MeV	9
shift in ϵ for positive values, ϵ_0	energy_shift	erg g^{-1}	–	–	–
specific entropy	entropy	k_B/baryon	s	k_B/baryon	1
adiabatic index, $\Gamma = \mathrm{d}\log P/\mathrm{d}\log\rho_b\|_s$	gamma	–	adiabatic index Gamma	–	14
$\log_{10}(\epsilon+\epsilon_0)$ (ϵ is specific internal energy)	logenergy	erg g^{-1}	internal energy per baryon E/m_nc^2-1	–	6
$\log_{10}(p)$ (p is pressure)	logpress	dyn cm^{-2}	p	MeV fm^{-3}	0
$\log_{10}(\rho_b)$ (ρ_b is rest mass density)	logrho	g cm^{-3}	ρ	g cm^{-3}	–
$\log_{10}(T)$ (T is temperature)	logtemp	MeV	T	MeV	–
electron chemical potential	mu_e	MeV	charge chemical potential	MeV	3
neutron chemical potential	mu_n	MeV	–	–	–
proton chemical potential	mu_p	MeV	–	–	–
$\hat{\mu} = \mu_n - \mu_p$	muhat	MeV	shifted baryon chemical potential	MeV	2
neutrino chemical potential	munu	MeV	–	–	–
number of gridpoints in ρ_b	pointsrho	–	–	–	–
number of gridpoints in T	pointstemp	–	–	–	–
number of gridpoints is Y_e	pointsye	–	–	–	–
electron fraction Y_e	ye	–	charge fraction	–	–