Evolution `.g` file (GENEC)

n°	variable	format	grandeur	description
1	nm	i6		model number
2	u1	1pe21.15		age
3	u2	f10.6	$M/M_\odot$	
4	xl	f8.6	$\log(L/L_\odot)$	
5	xtt	f8.6	$\log(T_{\rm eff})$	
6	u5	e13.7	$X(1)$	)
7	u7	e13.7	$Y(1)$	)
8	b33	1pe13.7	^{3}He(1)	)
9	u8	1pe13.7	^{12}C(1)	)
10	u9	1pe13.7	^{13}C(1)	)
11	u10	1pe13.7	^{14}N(1)	) surface abundances
12	u12	1pe13.7	^{16}O(1)	)
13	u13	1pe13.7	^{17}O(1)	)
14	u14	1pe13.7	^{18}O(1)	)
15	u6	1pe13.7	^{20}Ne(1)	)
16	u11	1pe13.7	^{22}Ne(1)	)
17	qmnc	f6.4	$M_{\rm cc}$	convective-core mass fraction
18	xte	f8.6	$\log(T_{\rm eff})_{\rm not\ corr.}$	$T_{\rm eff}$ not corrected (*corrwind*)
19	xmdot	f7.3	$\log(\dot{M})$	
20	rhoc	f8.6	$\log(\rho_{\rm c})$	
21	tc	f8.6	$\log(T_{\rm c})$	
22	u15	e14.7	$X(\rm m)$	)
23	u17	e13.7	$Y(\rm m)$	)
24	b33m	1pe13.7	^{3}He$(\rm m)$	)
25	u18	1pe13.7	^{12}C$(\rm m)$	)
26	u19	1pe13.7	^{13}C$(\rm m)$	)
27	u20	1pe13.7	^{14}N$(\rm m)$	)
28	u22	1pe13.7	^{16}O$(\rm m)$	) central abundances
29	u23	1pe13.7	^{17}O$(\rm m)$	)
30	u24	1pe13.7	^{18}O$(\rm m)$	)
31	u16	1pe13.7	^{20}Ne$(\rm m)$	)
32	u21	1pe13.7	^{22}Ne$(\rm m)$	)
33	ybe7m	1pe9.3	^{7}Be$(\rm m)$	)
34	yb8m	1pe9.3	^{8}B$(\rm m)$	)
35	flube7	1pe9.3		neutrino flux from ^{7}Be$(e^-,\nu)^7$Li
36	flub8	1pe9.3		neutrino flux from ^{8}B$(e^+\nu)^8$Be
37	snube7	1pe9.3		as 35 but in SNU units
38	snub8	1pe9.3		as 36 but in SNU units
39	rapcrj	f10.8	$\Omega/\Omega_{\rm crit}$	
40	rot1	1pe9.3	$\Omega(1)$	surface Ω
41	rotm	1pe9.3	$\Omega(\rm m)$	central Ω
42	xobla	1pe9.3	$R_{\rm pol}/R_{\rm eq}$	
43	u27	1pe9.3	^{26}Al$g(1)$	surface abundance
44	u33	1pe9.3	^{26}Al$g(\rm m)$	central abundance
45	alpro6	1pe9.3	$\dot{M}(\Omega)/\dot{M}(0)$	correction of mass loss due to rotation
46	lcnom	i4	$i_{\rm CNO,max}$	layer with max of CNO
47	xmcno	f8.4	$m_{i_{\rm CNO,max}}$	mass of the `lcnom` layer
48	scno	1pe8.2	$\sum {\rm CNO}_{i_{\rm CNO,max}}$	sum of CNO elements in the `lcnom` layer
49	xjspe1	f10.3	$j(3\ M_\odot)$	specific angular momentum within 3 $M_\odot$ [10^{16} cm^2 s^{-1}]
50	xjspe2	f10.3	$j(5\ M_\odot)$	specific angular momentum within 5 $M_\odot$ [10^{16} cm^2 s^{-1}]
51	vcri1m	1pe8.2	$V_{\rm crit,1}$	1st root
52	vcri2m	1pe8.2	$V_{\rm crit,2}$	2nd root
53	vequam	1pe8.2	$V_{\rm eq}$	(before convergence)
54	rapomm	f8.6	$\Omega/\Omega_{\rm crit}$	$\Gamma\Omega$ limit
55	eddesm	f8.6	$\Gamma_{\rm Edd}$	
56	vcrit1	1pe8.2	$V_{\rm crit,1}$	1st root
57	vcrit2	1pe8.2	$V_{\rm crit,2}$	2nd root
58	vequa	1pe8.2	$V_{\rm eq}$	(after convergence)
59	rapom2	f8.6	$\Omega/\Omega_{\rm crit}$	$\Gamma\Omega$ limit
60	eddesc	f8.6	$\Gamma_{\rm Edd}$	
61	dmneed	1pe13.7	$\Delta M_{\rm need}$	mass needed to be lost at the equator (critical velocity)
62	xmdotneed	1pe13.7	$\dot{M}_{\rm need}$	mass loss rate needed to lose $\Delta M_{\rm need}$
63	dlelex	1pe13.7	$\Delta\mathcal{L}_{\rm rad+aniso+mech}$	ang. mom. lost in one timestep (wind + mechanical) [10^{53} g cm^2 s^{-1}]
64	bmomit	1pe13.7	I	total momentum of inertia [10^{57} g cm^2]
65	btot	1pe13.7	$\mathcal{L}_{\rm tot}$	total angular momentum [10^{53} g cm^2 s^{-1}]
66	ekrote	1pe13.7	$E_{\rm rot}$	kinetic energy of rotation [E_{51}]
67	epote	1pe13.7	$E_{\rm pot}$	potential energy [E_{51}]
68	ekine	1pe13.7	$E_{\rm gaz}$	thermal energy of the gas [E_{51}]
69	erade	1pe13.7	$E_{\rm rad}$	radiative energy [E_{51}]
70 - 109	uudrawc	f5.3		limits of convective zones
110	btotatm	1pe16.10	$\mathcal{L}_{\rm tot}$	total angular momentum (star + envelope) [10^{53} g cm^2 s^{-1}]