

The Aarchive: An Asteroseismic Archive

Joel Ong (University of Sydney)

Christopher Lindsay (Yale University)

asteroseismolo.gy/archive — it's like SIMBAD, but for asteroseismology.

The Aarchive

an asteroseismic archive

Query ID: _____ [Submit]

Results for input ID Kepler-91 [simbad]

Canonical ID: 2MASS J19024148+4407002

Aliases: 2MASS J19024148+4407002, AP J19024148+4407002, Gaia DR2 2105909326647414400, Gaia DR3 2105909326647414400, Kepler-91, KIC 8219268, KOI-2133, LAMOST J190241.49+440700.1, LAMOST J190241.49+440700.2, LAMOST J190241.51+440700.2, TIC 352011875, TOI-5995

p-mode diagnostics [export]

Obsname	value	err	units	pipeline	bibcode
$\Delta\nu$	9.450864	0.000000	uHz	2026MNRAS.548ag643W	2026MNRAS.548ag643W
$\Delta\nu$	9.473600	0.055900	uHz	adopted average	2025ApJS...276...69P
$\Delta\nu$	9.458000	0.008000	uHz	Automated Bayesian peak-Bagging Algorithm (ABBA)	2019arXiv190609428K
$\Delta\nu$	9.432000	0.017000	uHz	SYD Pipeline (Huber 2009)	2018ApJS...236...42Y
$\delta\nu_01$	-0.288556	0.010906	uHz	2026MNRAS.548ag643W	2026MNRAS.548ag643W
$\delta\nu_02$	1.186336	0.004370	uHz	2026MNRAS.548ag643W	2026MNRAS.548ag643W
$\delta\nu_02$	1.180000	0.010000	uHz	Automated Bayesian peak-Bagging Algorithm (ABBA)	2019arXiv190609428K
ϵ	1.189964	0.000486		2026MNRAS.548ag643W	2026MNRAS.548ag643W
$\nu_{\max}$	110.226601	0.646300	uHz	adopted average	2025ApJS...276...69P
$\nu_{\max}$	110.837000	0.245000	uHz	Automated Bayesian peak-Bagging Algorithm (ABBA)	2019arXiv190609428K
$\nu_{\max}$	109.580000	0.780000	uHz	SYD Pipeline (Huber 2009)	2018ApJS...236...42Y

Collated values for
p- and g-modes,
mixed-mode coupling,
rotation and magnetism,
and mode frequencies.

CSV export available
for all tables,

MySQL API access
(by request),

and more!

Mode Frequencies [export]

ell	n_p	n_g	freq	freq_err	freq_units	Γ	Γ_{err}	Γ_{units}	A	A_err	A_units	pipeline	bibcode
2	-1	-1	85.939	0.024	uHz	0.149762	0.066358	uHz	16.2	3.0	ppm	ABBA	2019arXiv190609428K
0	-1	-1	87.148	0.014	uHz	0.076434	0.026165	uHz	27.5	3.3	ppm	ABBA	2019arXiv190609428K
1	-1	-1	90.919	0.003	uHz	-1.000000	-1.000000	uHz	4.8	3.1	ppm	ABBA	2019arXiv190609428K
1	-1	-1	91.527	0.006	uHz	0.014380	0.006163	uHz	23.2	4.4	ppm	ABBA	2019arXiv190609428K
1	-1	-1	91.887	0.008	uHz	0.038497	0.014120	uHz	26.7	3.7	ppm	ABBA	2019arXiv190609428K
1	-1	-1	92.350	0.004	uHz	0.010514	0.002941	uHz	13.6	3.3	ppm	ABBA	2019arXiv190609428K
1	-1	-1	92.455	0.004	uHz	0.010596	0.003014	uHz	13.5	3.4	ppm	ABBA	2019arXiv190609428K
1	-1	-1	92.944	0.001	uHz	-1.000000	-1.000000	uHz	5.9	1.7	ppm	ABBA	2019arXiv190609428K
2	-1	-1	95.014	0.022	uHz	0.549872	0.549872	uHz	31.4	2.9	ppm	ABBA	2019arXiv190609428K
0	-1	-1	96.284	0.012	uHz	0.094224	0.023857	uHz	40.7	2.8	ppm	ABBA	2019arXiv190609428K
1	-1	-1	99.112	0.002	uHz	-1.000000	-1.000000	uHz	6.2	4.5	ppm	ABBA	2019arXiv190609428K
1	-1	-1	99.843	0.001	uHz	-1.000000	-1.000000	uHz	11.5	6.3	ppm	ABBA	2019arXiv190609428K
1	-1	-1	100.701	0.005	uHz	0.011315	0.003625	uHz	12.8	3.1	ppm	ABBA	2019arXiv190609428K
1	-1	-1	100.852	0.004	uHz	0.011147	0.003359	uHz	19.2	3.9	ppm	ABBA	2019arXiv190609428K
1	-1	-1	101.133	0.007	uHz	0.019957	0.011136	uHz	30.3	6.6	ppm	ABBA	2019arXiv190609428K

Give it a go:



A community service project by:

