

Live Chart of Nuclides

nuclear structure and decay data ms: *2783*
 email: nds.contact.point [guide & sources](#)

Color zones by ?

value quantile

Main Decay Mode

- alpha
- EC+ beta+
- beta-
- p
- n
- EC
- SF
- Stable



Mass chains

β and ec decays plotting



Neutron Cross Sections

Resonance Integrals



List of updates

From Jan 2019 to Oct 2019

- **Click** on a nuclide to fill the data tabs.
- **Double click** to bring it to the centre.
- **Mouse:** to move the chart **drag**. Use the **wheel** to zoom
- **Numeric keypad:** zoom with **3** and **7**. Use **8, 6, 2, 4, 9, 1** to move and **5** to reset

- Ground State - Isomers
- Levels
- Gammas
- Decay Radiation
- Nuclear Moments
- Ther. Neutrons Capture
- Fission Yields
- Schema Plot

Uncertainties in standard deviations. **Full dataset**

Data table compiled from EXFOR (May 2019);

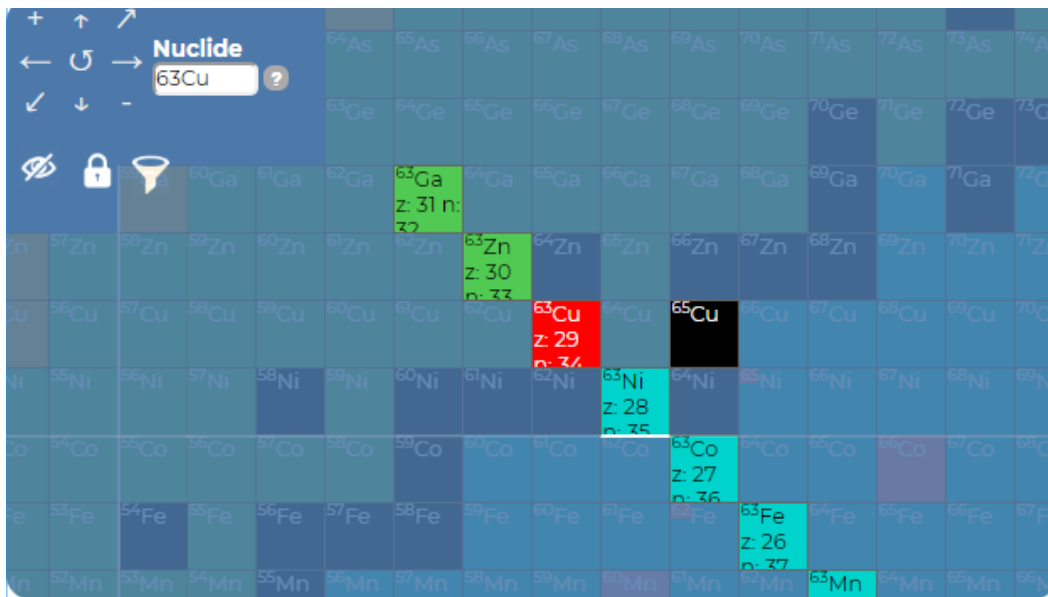
S.F. Mughabghab in Atlas of Resonances (6th ed.); N.E. Holden in Handbook of Chemistry and Physics 99th Edition; I. Dillmann, R. Plag, F. Käppeler and T. Rauscher in KADoNiS v0.3; J. Kopecky in UKA

Remarks:

no uncertainty means upper value; **D/D0/D1** level spacing (mean,s,-p-wave); **I** = resonance integral, **c**=capture radiative; **a**=alpha, **p**=proton; **f**=fission, **abs**=absorption; **Macs30** averaged over a maxwel

ElAZ	Iso	J ^π	Maxw.(n,g)	[b](n,g)	[b](n,e)	[b](n,a)	[b](n,p)	[b](n,f)	[b]R [fm]	D/D0/D1 [keV]	Ic [b]	Ia [b]	Ip [b]	If [b]	Iab [b]	Macs30 [mb]
------	-----	----------------	------------	----------	----------	----------	----------	----------	-----------	---------------	--------	--------	--------	--------	---------	-------------

Cu6329	0	3/2-		4.50 ± 0.0	5.1 ± 0.2				6.7 ± 0.3	0.722 ± 0.047	4.97 ± 0.08					5.57e+1 ± 2.20e+0
--------	---	------	--	------------	-----------	--	--	--	-----------	---------------	-------------	--	--	--	--	-------------------



Live Chart of Nuclides
 nuclear structure and decay data ms: *2783*
 email: nds contact point guide & sources

- Color zones by ?
 value quantile
- Main Decay Mode ...
- alpha
 - EC+ beta+
 - beta-
 - p
 - n
 - EC
 - SF
 - Stable

Mass chains
 β and ec decays plotting

Neutron Cross Sections
 Resonance Integrals

List of updates
 From Jan 2019 to Oct 2019

- Click on a nuclide to fill the data tabs.
- Double click to bring it to the centre.
- Mouse: to move the chart **drag**. Use the **wheel** to zoom
- Numeric keypad: zoom with **3** and **7**. Use **8, 6, 2, 4,** ... to move and **0** to reset

- Ground State - Isomers
- Levels
- Gammas
- Decay Radiation
- Nuclear Moments
- Ther. Neutrons Capture**
- Fission Yields
- Schema Plot

Uncertainties in standard deviations. **Full dataset**

Data table compiled from EXFOR (May 2019);

S.F. Mughabghab in Atlas of Resonances (6th ed.); N.E. Holden in Handbook of Chemistry and Physics 99th Edition; I. Dillmann, R. Plag, F. Käppler and T. Rauscher in KADoNiS v0.3; J. Kopecky in

Remarks:

no uncertainty means upper value; **D/D0/D1** level spacing (mean,s,p-wave); **I** = resonance integral, **c**=capture radiative; **a**=alpha, **p**=proton; **f**=fission, **abs**=absorption; **Macs30** averaged over a m

ElAZ Iso	J ^π	Maxw.(n,g)	[b](n,g)	[b](n,el)	[b](n,a)	[b](n,p)	[b](n,f)	[b]R [fm]	D/D0/D1	[keV]	Ic [b]	Ia [b]	Ip [b]	If [b]	Iab [b]	Macs30 [mb]
Cu6529	0	3/2-	2.17 ± 0.02	14.1 ± 0.5				6.7 ± 0.3	1.52 ± 0.1	2.19 ± 0.07						2.98e+1 ± 1.30e+0