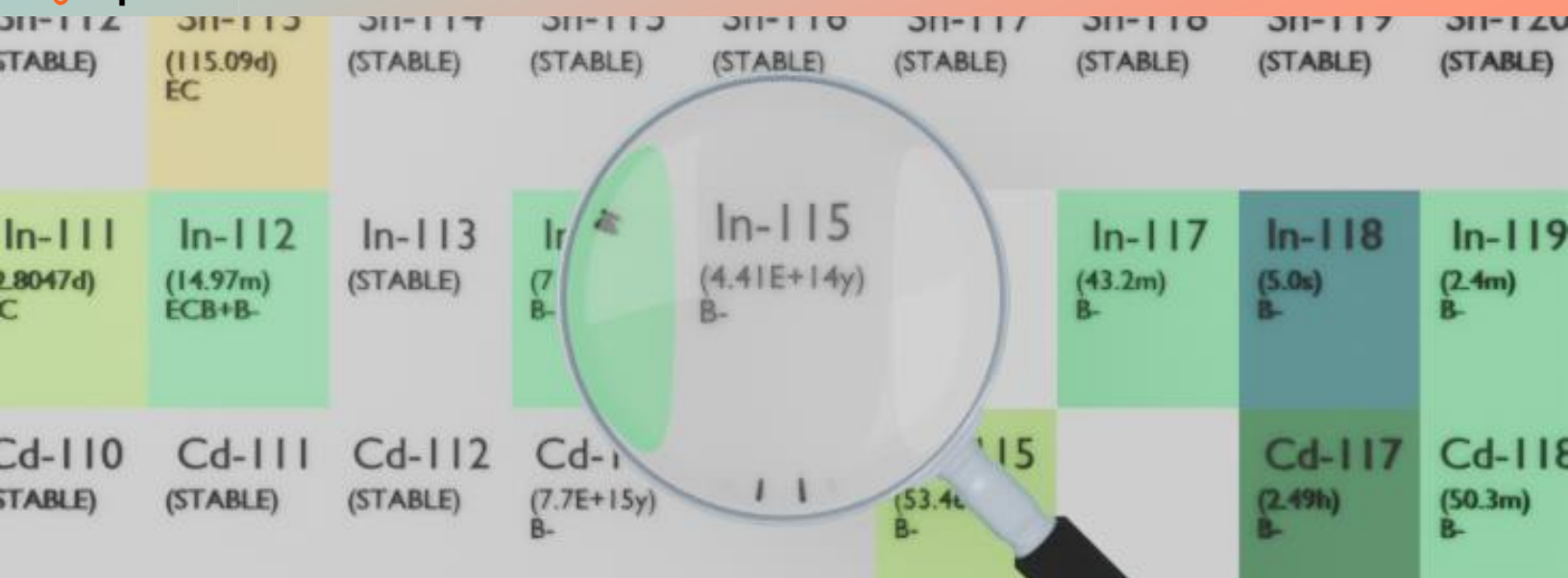




Sn-112 (STABLE)	Sn-113 (115.09d) EC	Sn-114 (STABLE)	Sn-115 (STABLE)	Sn-116 (STABLE)	Sn-117 (STABLE)	Sn-118 (STABLE)	Sn-119 (STABLE)	Sn-120 (STABLE)
In-111 (2.8047d) EC	In-112 (14.97m) ECB+B-	In-113 (STABLE)	In-114 (7.7E+15y) B-	In-115 (4.41E+14y) B-	In-116 (53.4d) B-	In-117 (43.2m) B-	In-118 (5.0s) B-	In-119 (2.4m) B-
Cd-110 (STABLE)	Cd-111 (STABLE)	Cd-112 (STABLE)	Cd-113 (7.7E+15y) B-	Cd-114 (1.1E+15y) B-	Cd-115 (53.4d) B-	Cd-116 (5.0E+15y) B-	Cd-117 (2.49h) B-	Cd-118 (50.3m) B-

INDIUM-115

SUMMARY DATA

GENERAL

CLASSIFICATION

Isotope: In-115
Atomic number (Z): 49
Mass number (A): 115
Neutron number (N): 66

RADIOACTIVE DECAY

Decay modes: β^-
Half-life: 441000000000000.0 [y]
Decay constant: 4.9807e-23 [1/s]
Daughters: Sn-115 (100.0%)
Radioactive daughters: None

DOSIMETRIC CONSTANTS

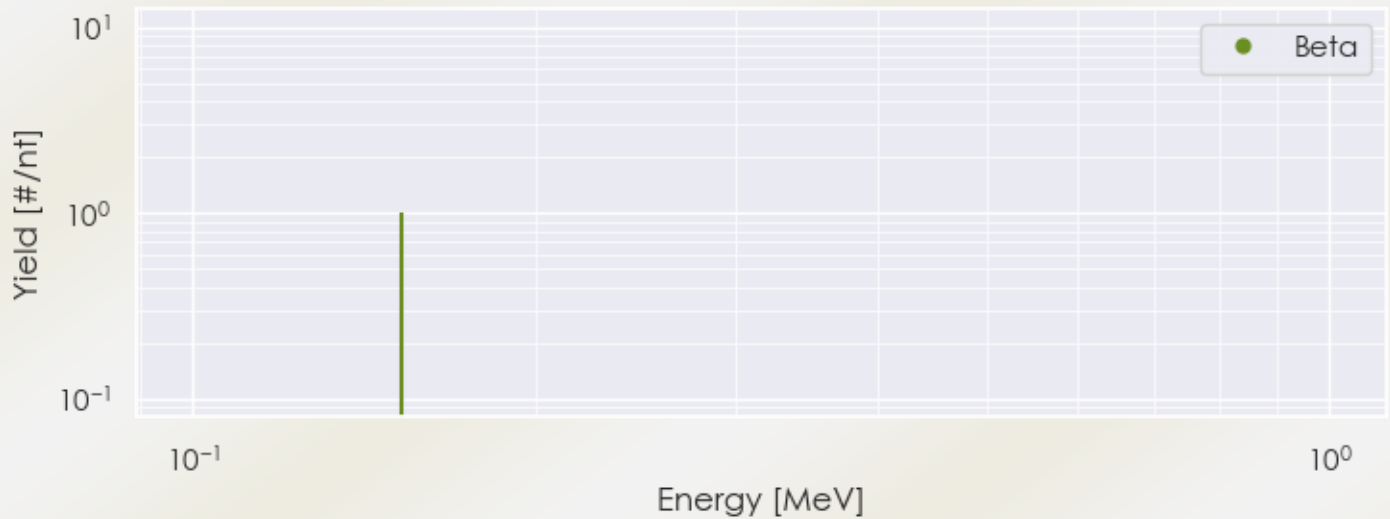
Mean alpha energy: 0.0 [MeV]
Mean electron energy: 0.15256 [MeV]
Mean photon energy: 0.0 [MeV]
Air kerma rate constant, Γ_{10} : 0.000e+00 [Gy·m²/Bq·s]
Air kerma coefficient, K_{air} : 0.000e+00 [Gy·m²/Bq·s]
Equilibrium dose constant for weakly-penetrating radiations (α and/or electrons), Δ_{wp} : 2.444e-14 [Gy·kg/Bq·s]
Equilibrium dose constant for alphas, Δ_{α} : 0.000e+00 [Gy·kg/Bq·s]

Equilibrium dose constant for betas/electrons, $\Delta_{\beta-\beta+,e-}$: 2.444e-14 [Gy·kg/Bq·s]

Equilibrium dose constant for photons, Δ_p : 0.000e+00 [Gy·kg/Bq·s]

SUMMARY SPECTRA (PLOT)

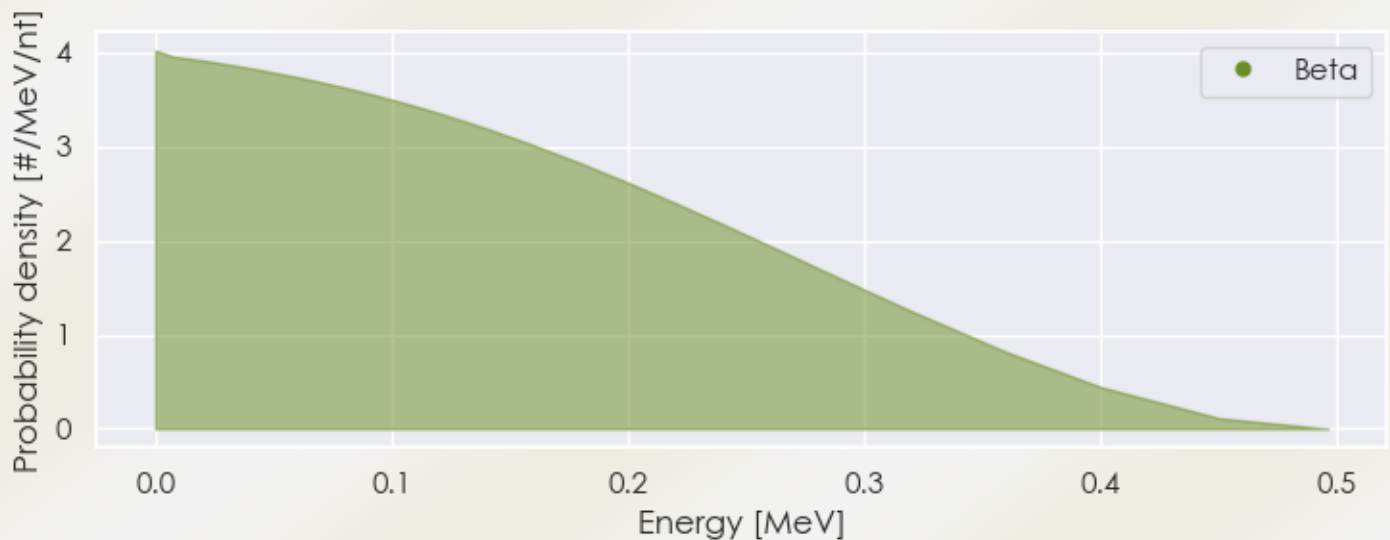
Spectra source: **ICRP Publication 107: Nuclear Decay Data for Dosimetric Calculations. Ann. ICRP 2008, 38 (3).**



Download tabulated summary spectra file here: [www.mirdsoft.org/products/MIRDspecs/In-115 Summary Spectrum.csv](http://www.mirdsoft.org/products/MIRDspecs/In-115%20Summary%20Spectrum.csv)

BETA SPECTRA (PLOT)

Spectra source: **ICRP Publication 107: Nuclear Decay Data for Dosimetric Calculations. Ann. ICRP 2008, 38 (3).**



Download tabulated beta spectra file here: [www.mirdsoft.org/products/MIRDspecs/In-115 Beta Spectrum.csv](http://www.mirdsoft.org/products/MIRDspecs/In-115%20Beta%20Spectrum.csv)

TABULATED DATA

SUMMARY SPECTRA (TABLE)

Spectra source: **ICRP Publication 107: Nuclear Decay Data for Dosimetric Calculations. Ann. ICRP 2008, 38 (3).**

Note: Radiations with yield < 0.01 are excluded from the table, but are available in the linked *.csv data.

Download tabulated summary spectra file here: [www.mirdsoft.org/products/MIRDspecs/In-115 Summary Spectrum.csv](http://www.mirdsoft.org/products/MIRDspecs/In-115%20Summary%20Spectrum.csv)

Energy [MeV]	Yield [#/ <i>nt</i>] if > 0.01	Radiation type
1.52568e-01	1.000e+00	Beta

USEFUL LINKS

Isotope decay characteristics are periodically updated as better measurements can be made - changes that may not be reflected on this page. Please see useful links:

National Nuclear Data Center (NNDC): <https://www.nndc.bnl.gov/nudat3/mird/>

International Atomic Energy Agency (IAEA) Livechart: <https://www-nds.iaea.org/relnsd/vcharthtml/VChartHTML.html>

REFERENCE LINKS

ICRP Report 107: <https://www.icrp.org/publication.asp?id=ICRP%20Publication%20107>

Graves et al. Dose Point Kernels: <https://doi.org/10.1002/mp.13789>

MIRD Decay Schemes 2nd Edition: https://sites.snmmi.org/SNMML-MAIN/iCore/Store/StoreLayouts/Item_Detail.aspx?iProductCode=0-932004-80-6