

Program EVALPLOT
(Version 2021-1)

by

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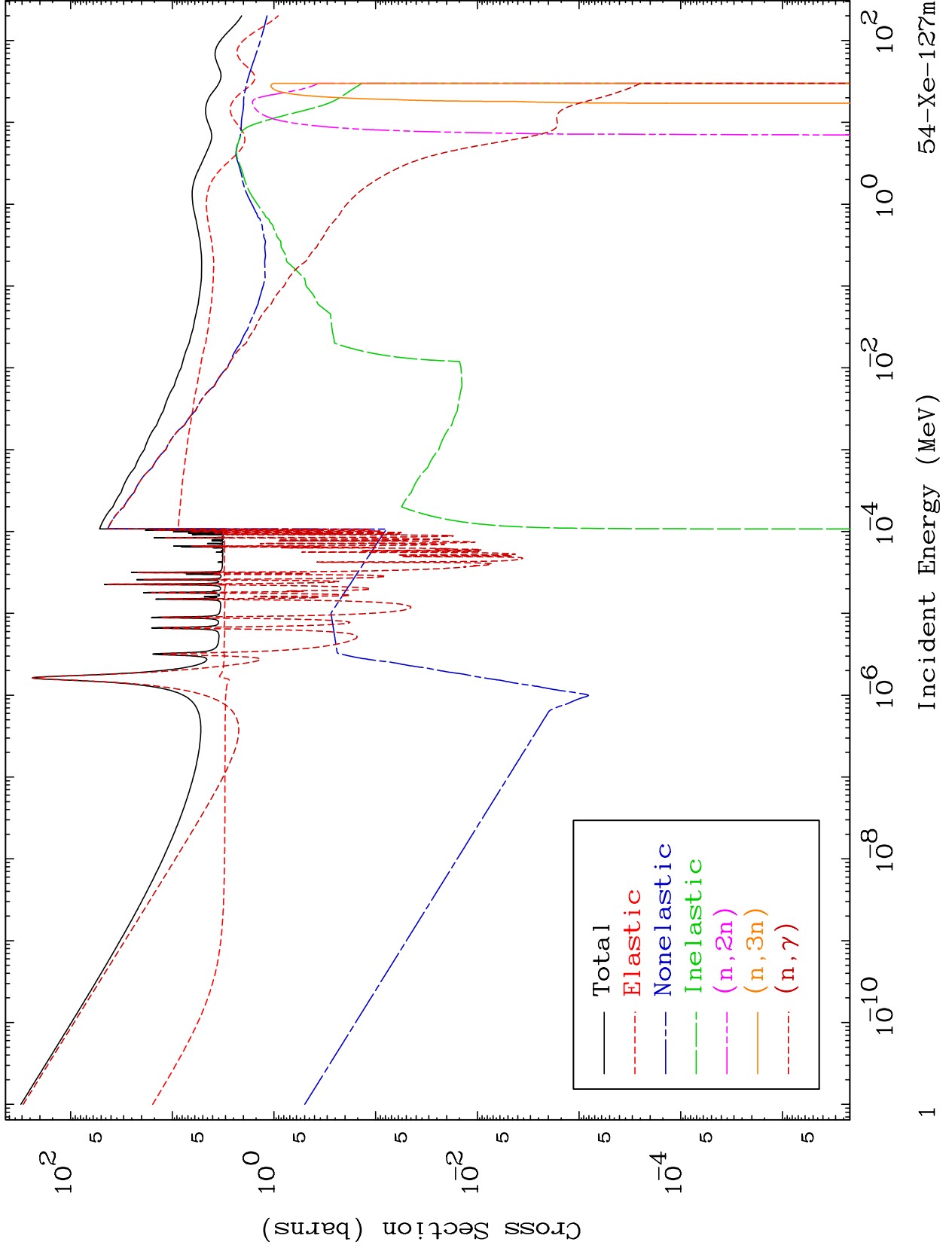
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5435

Neutron Major
293 Kelvin Cross Sections

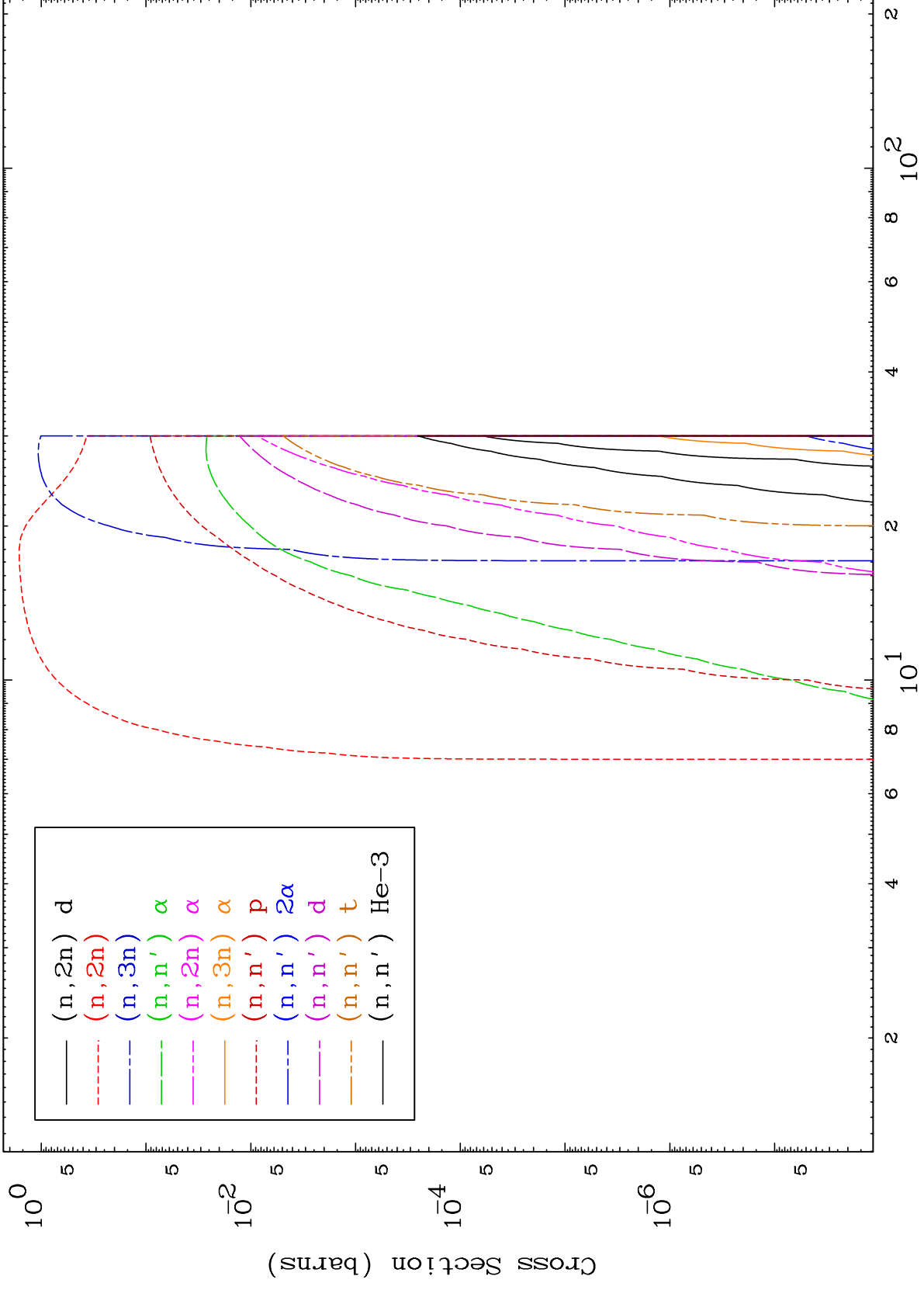
54-Xe-127m



MAT 5435

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-127m



—	(n, 2n) d
- - -	(n, 2n)
- . - .	(n, 3n)
- - -	(n, n') α
- . - .	(n, 2n) α
- - -	(n, 3n) α
- . - .	(n, n') p
- - -	(n, n') 2 α
- . - .	(n, n') d
- - -	(n, n') t
- - -	(n, n') He-3

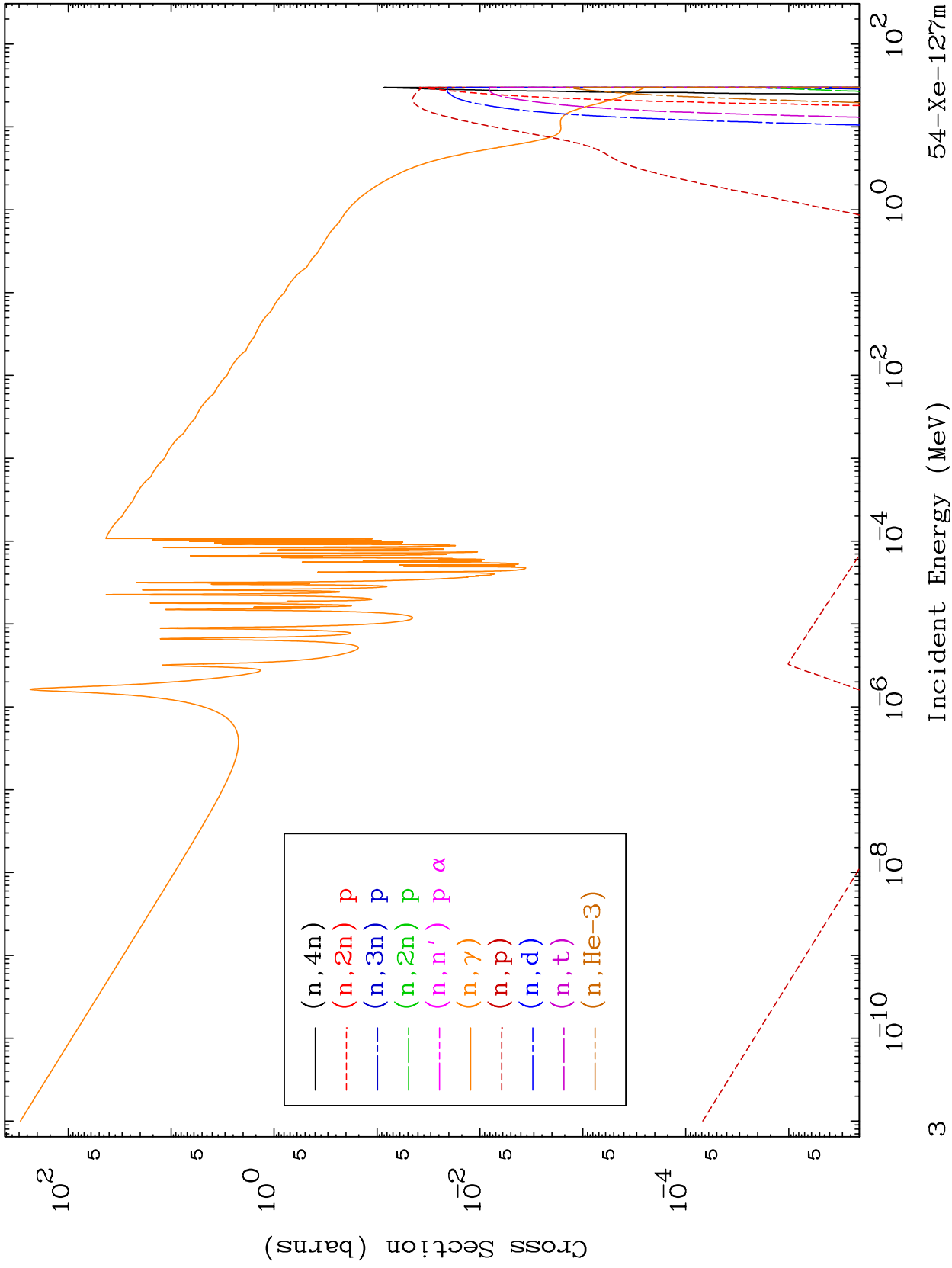
54-Xe-127m

Incident Energy (MeV)

MAT 5435

Neutron Absorption
293 Kelvin Cross Sections

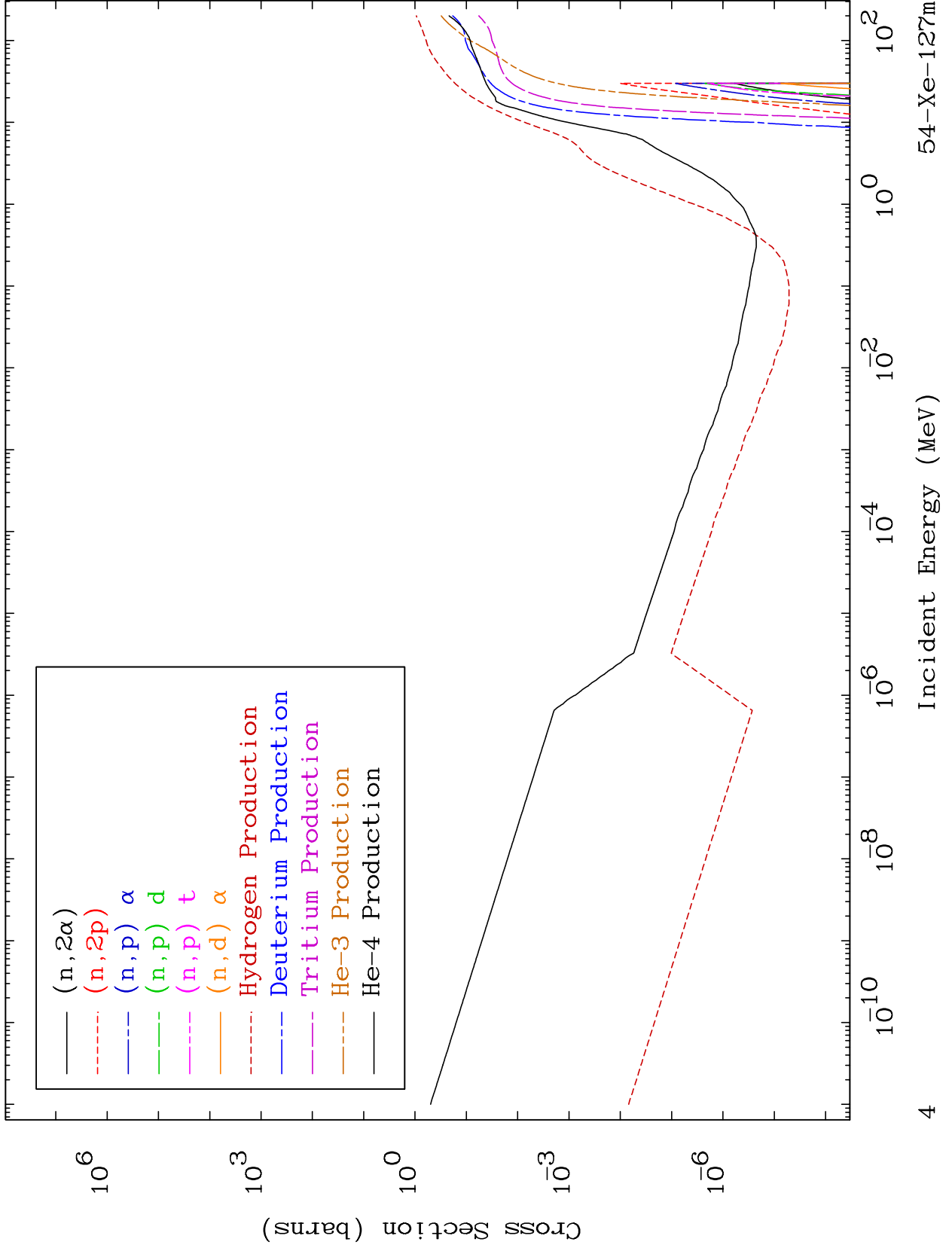
54-Xe-127m



MAT 5435

Neutron Absorption
293 Kelvin Cross Sections

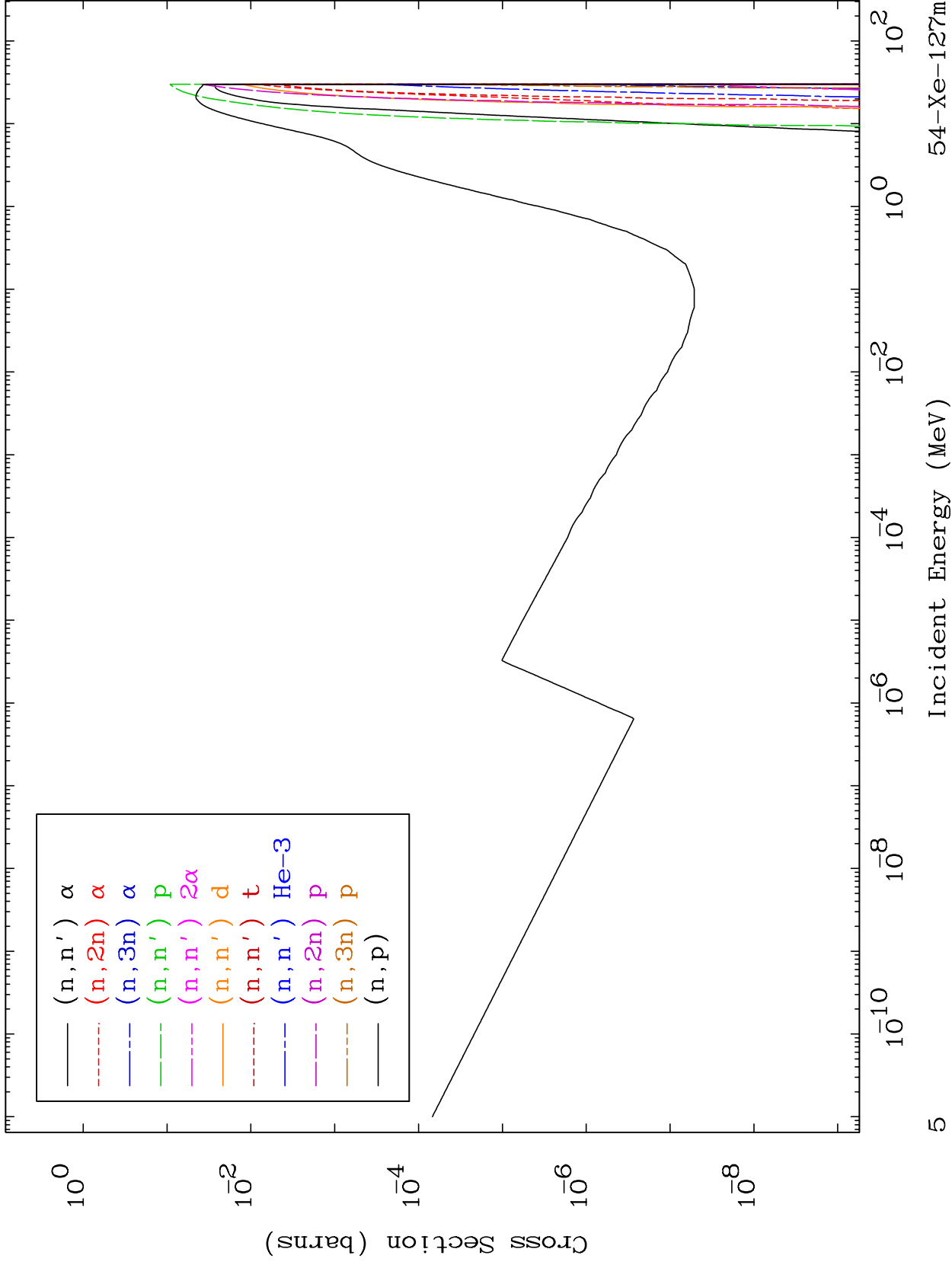
54-Xe-127m



MAT 5435

Charged Particle
293 Kelvin Cross Sections

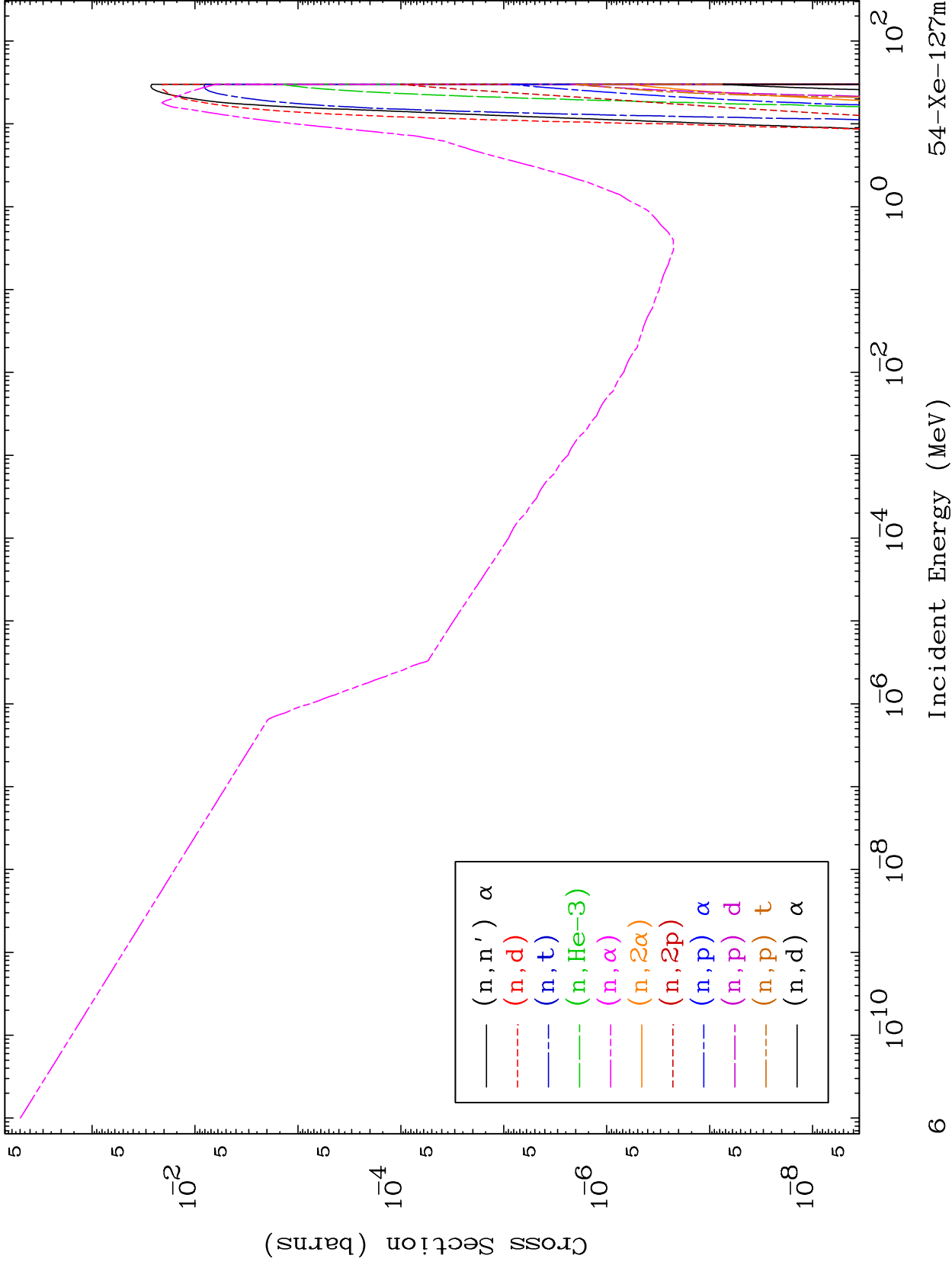
54-Xe-127m



MAT 5435

Charged Particle
293 Kelvin Cross Sections

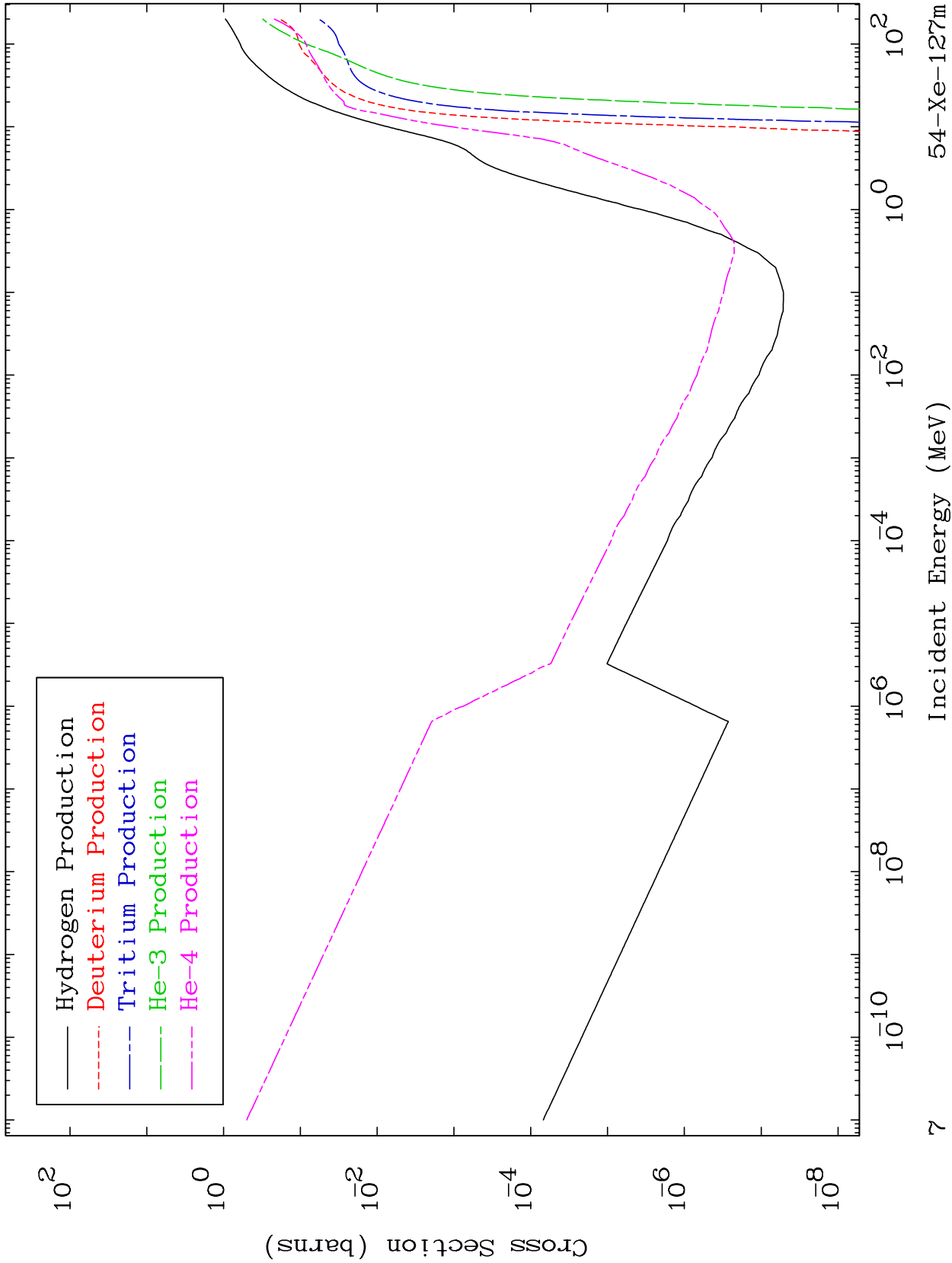
54-Xe-127m



MAT 5435

Particle Production
293 Kelvin Cross Sections

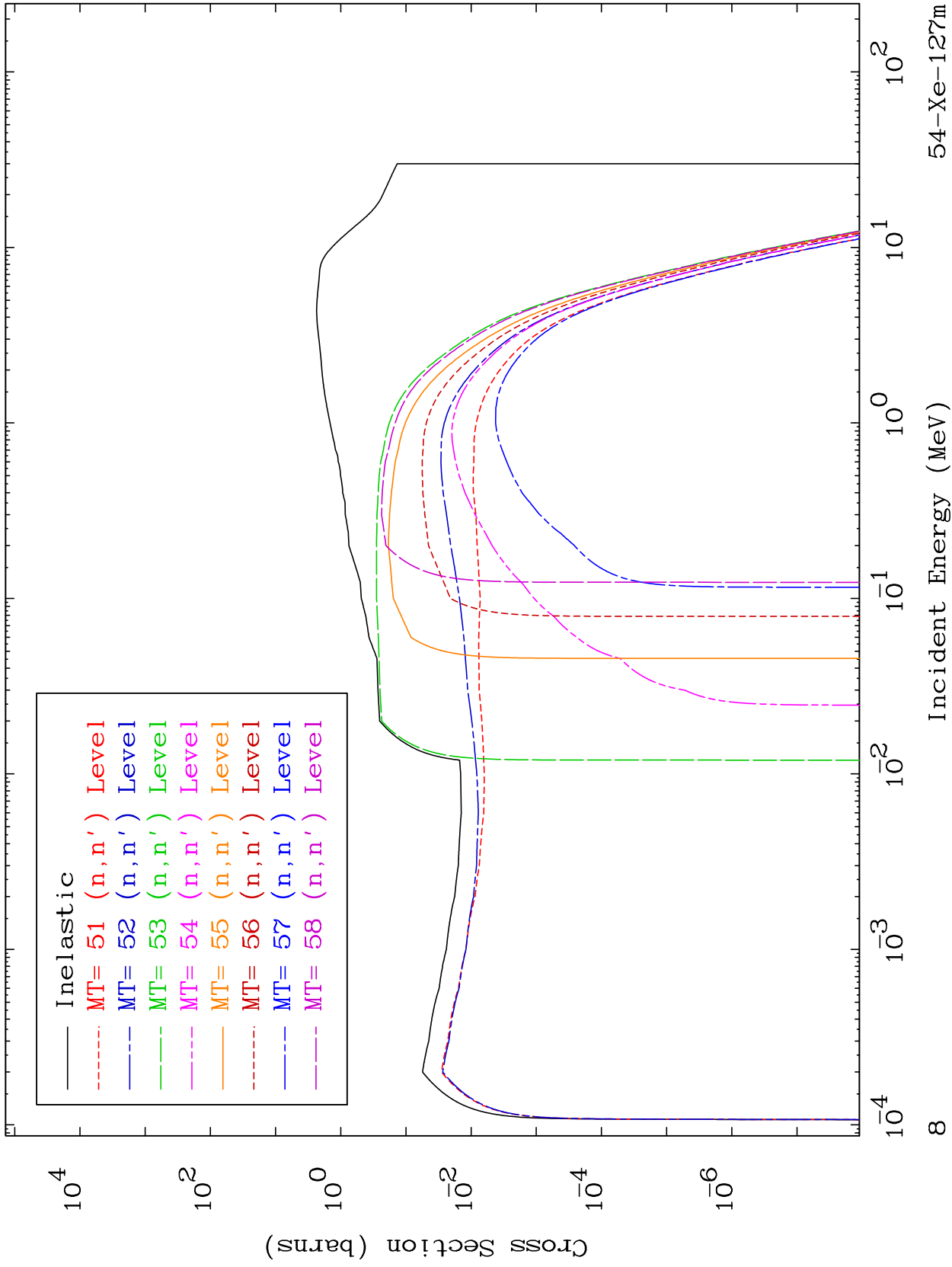
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

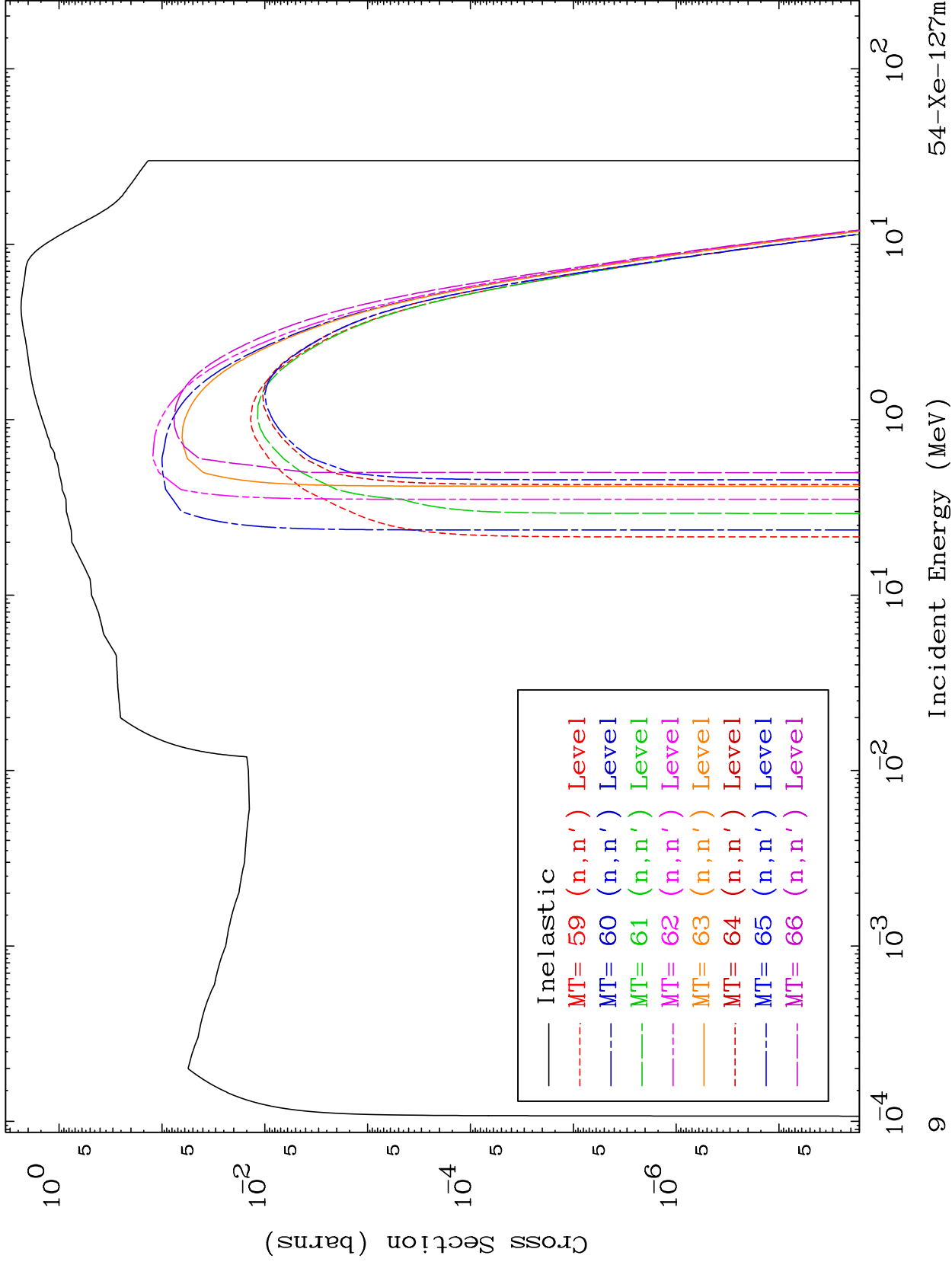
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

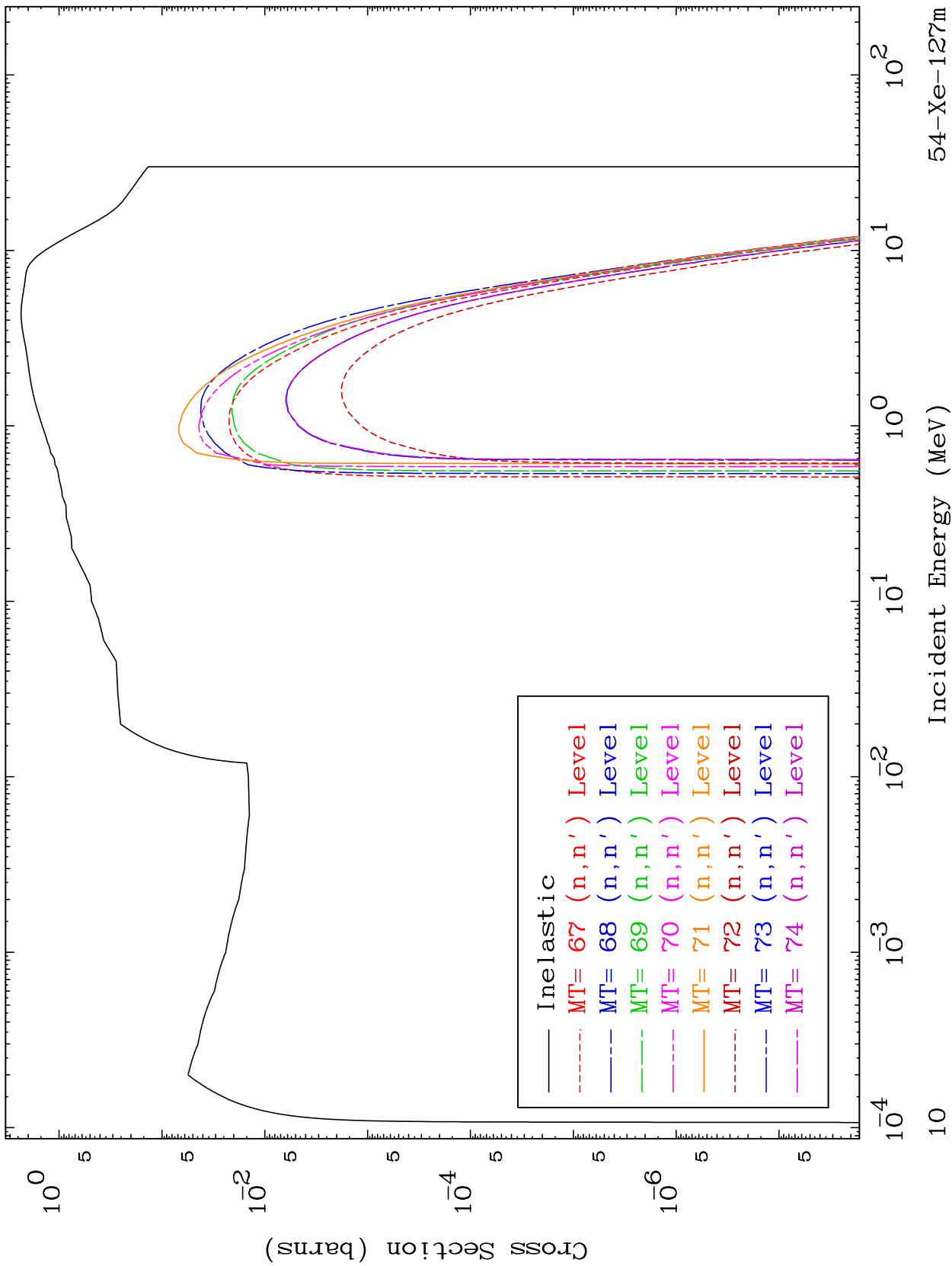
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

54-Xe-127m



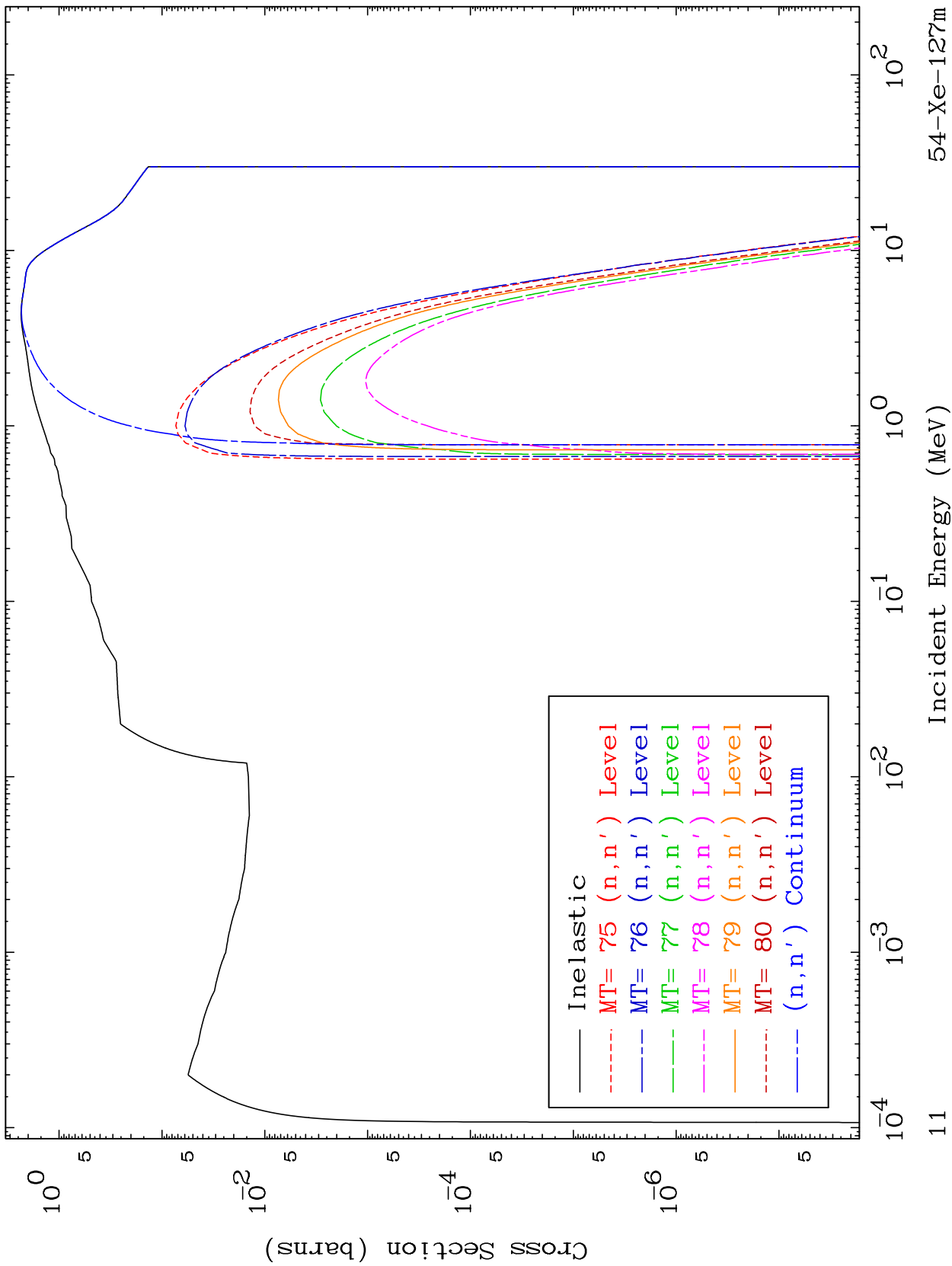
54-Xe-127m

Incident Energy (MeV)

MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

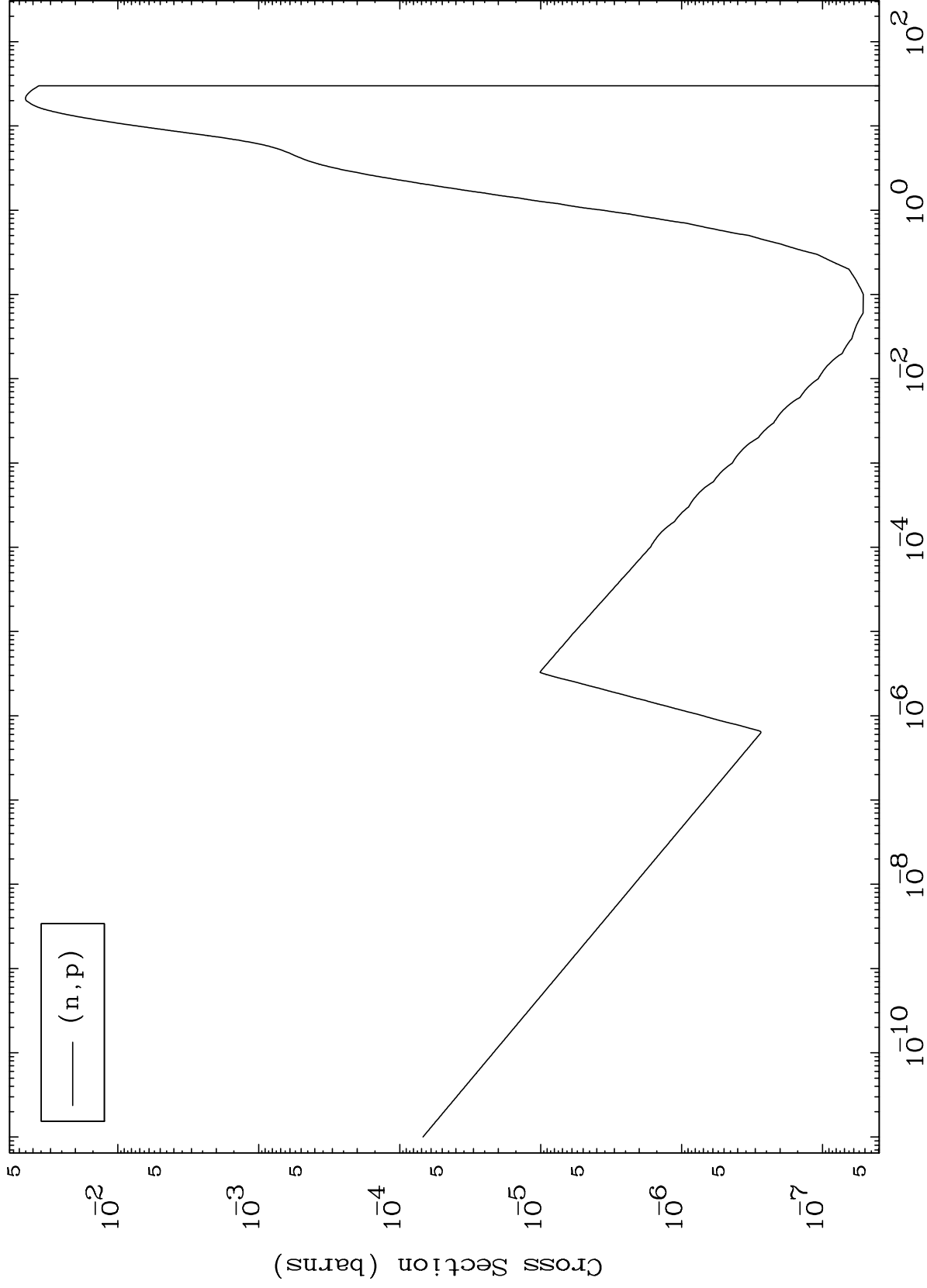
54-Xe-127m



MAT 5435

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-127m



12

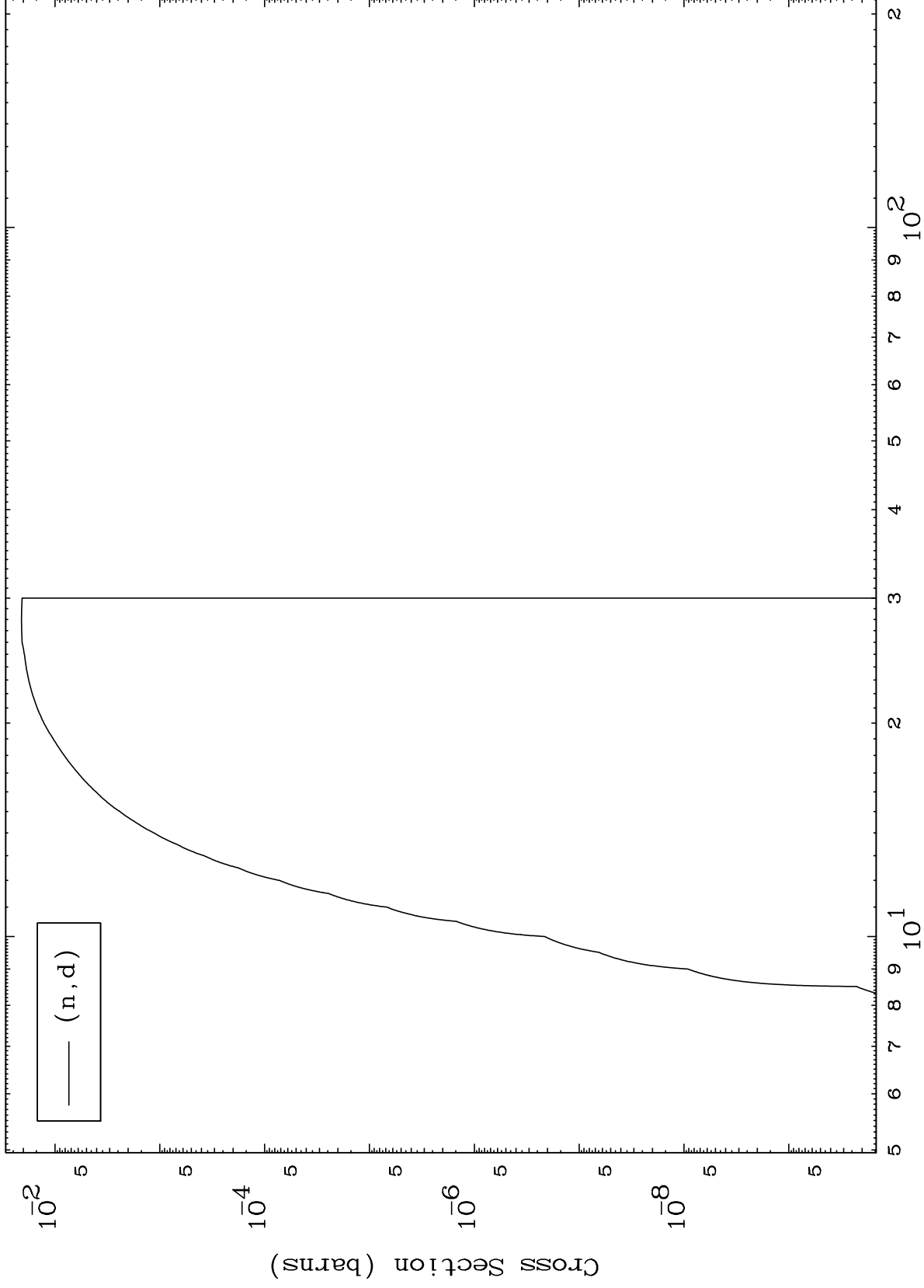
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-127m



13

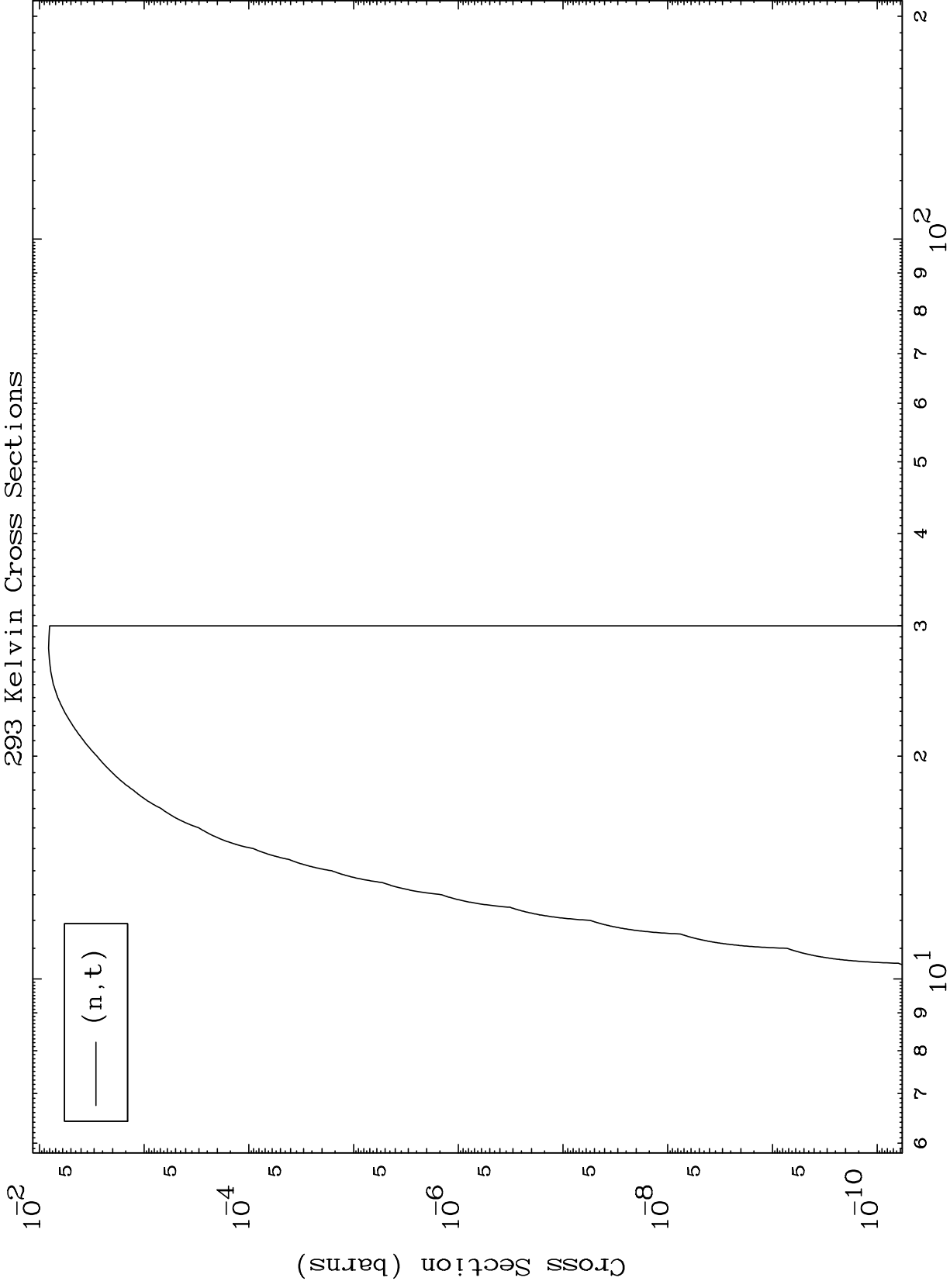
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127m



14

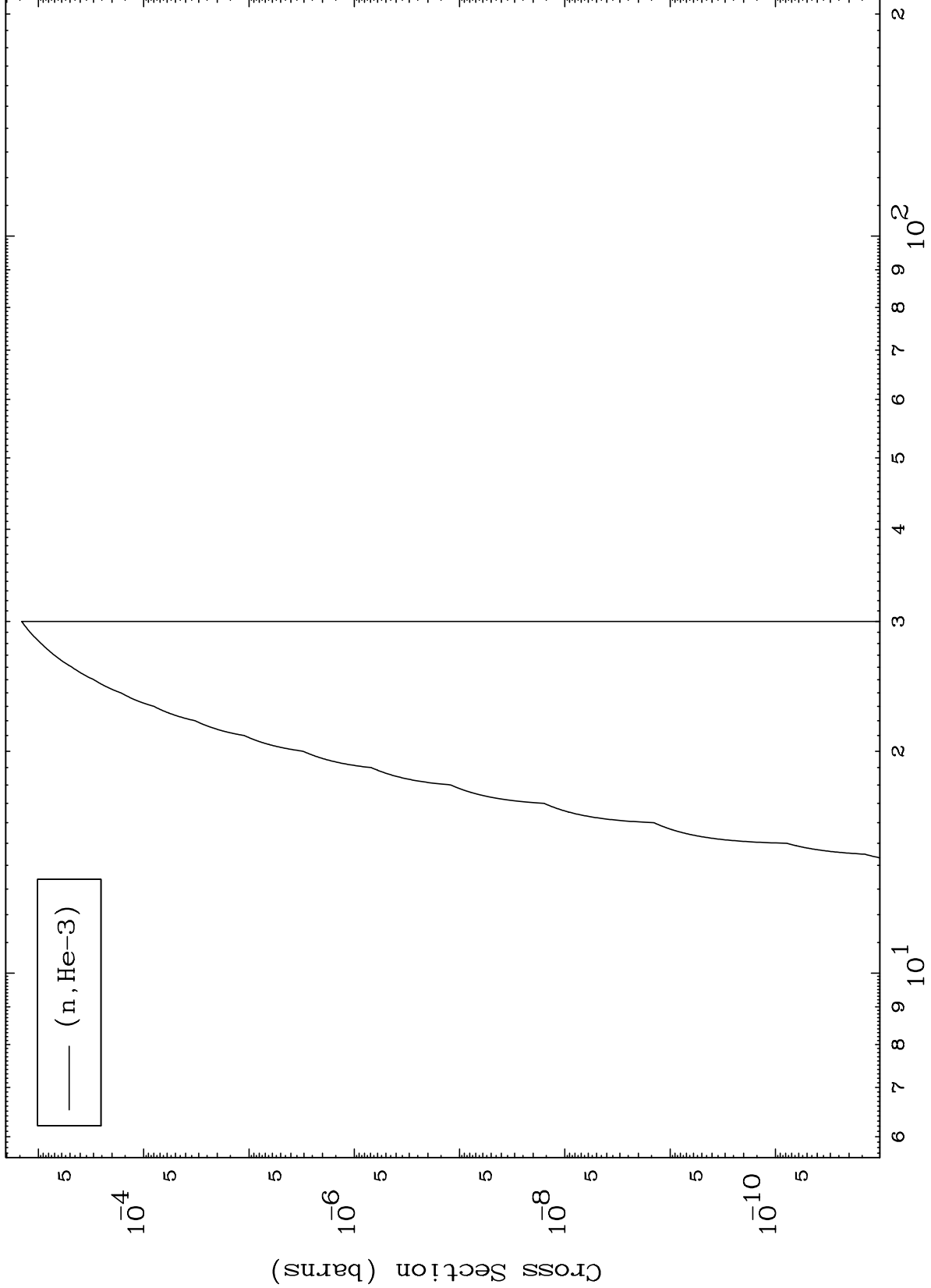
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127m



15

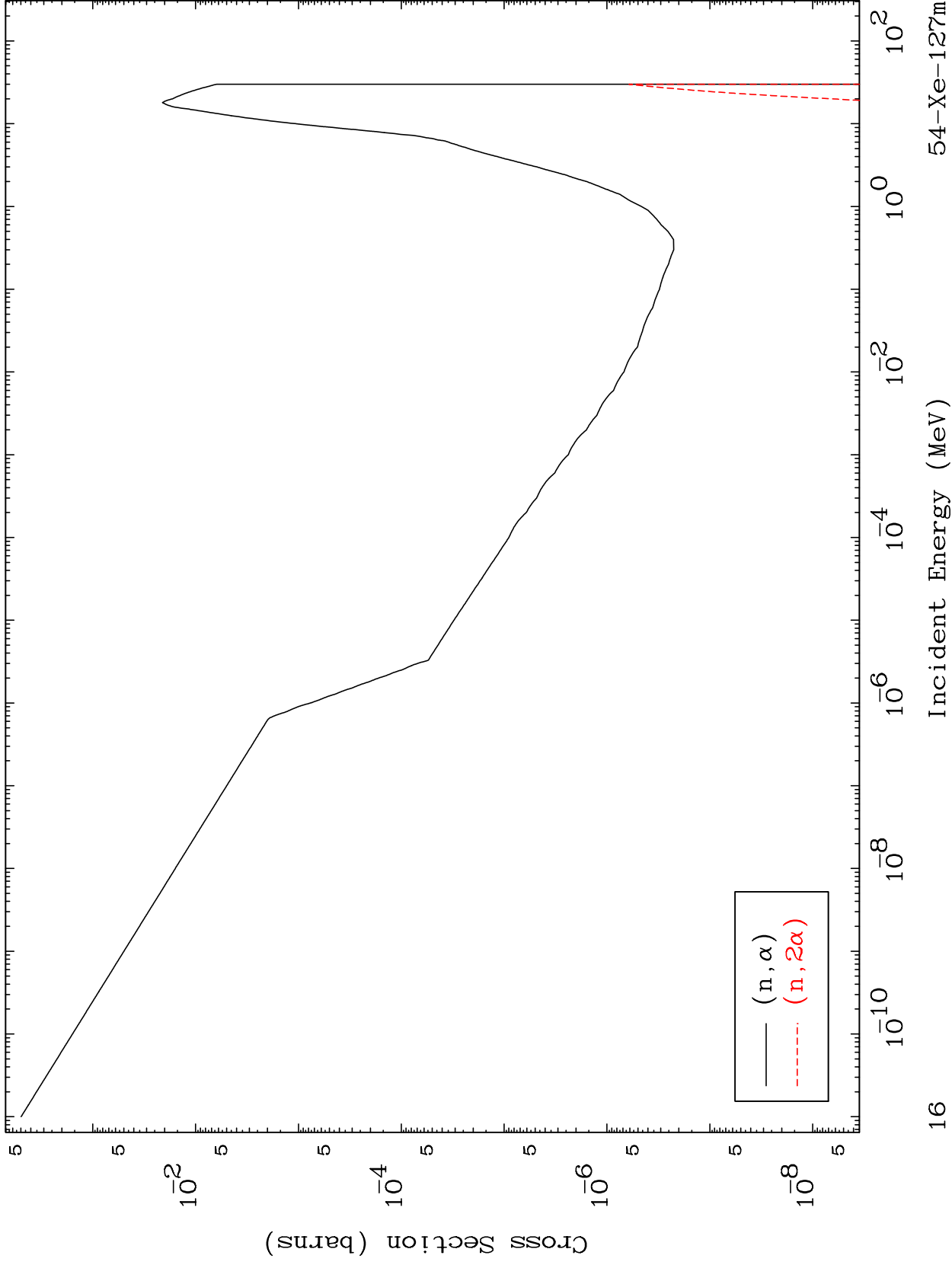
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,α) Levels
293 Kelvin Cross Sections

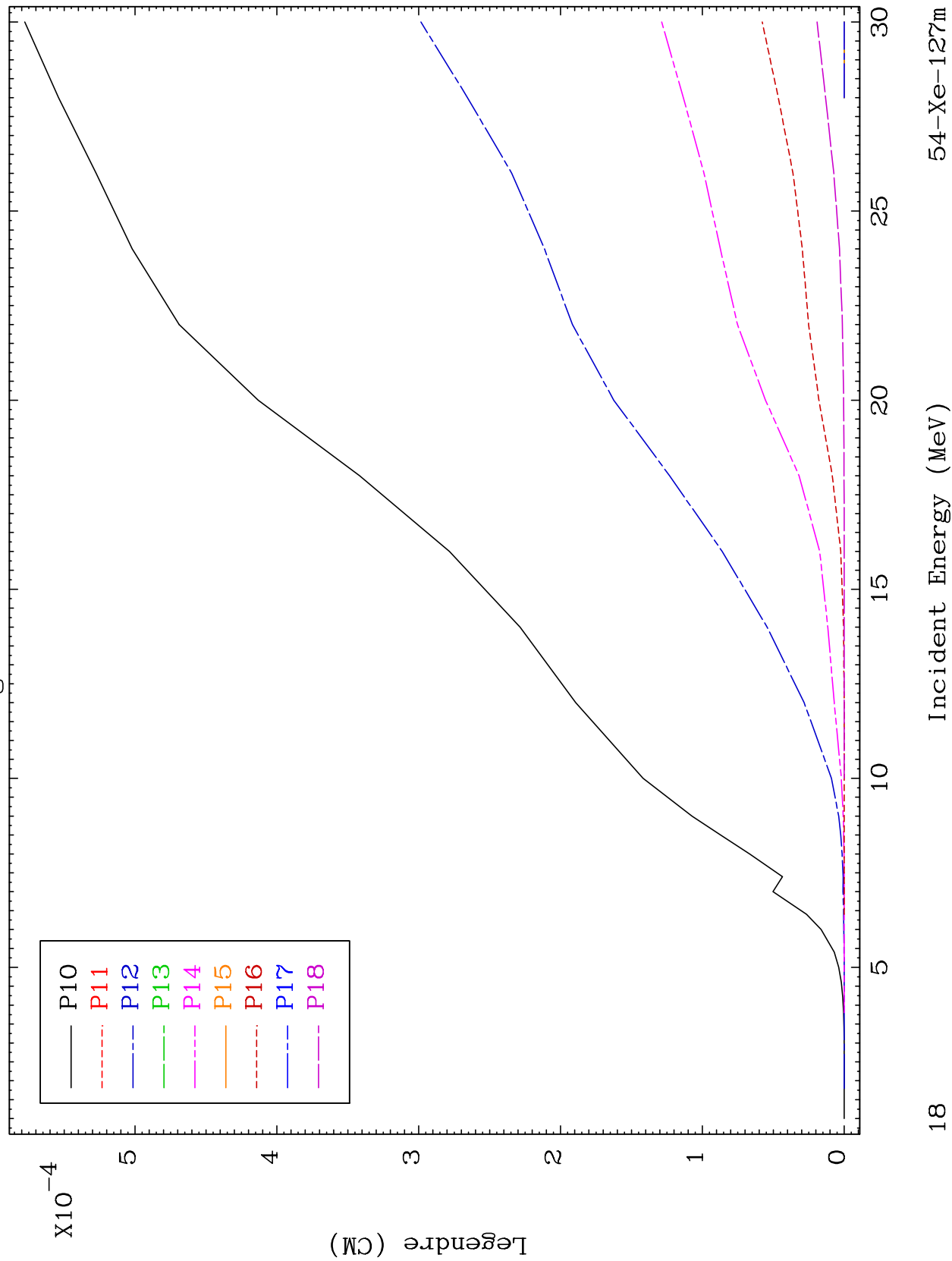
54-Xe-127m



MAT 5435

Elastic Legendre Coefficients

54-Xe-127m



18

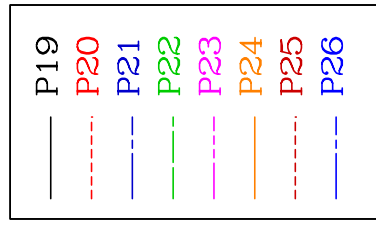
Incident Energy (MeV)

54-Xe-127m

MAT 5435

Elastic
Legendre Coefficients

54-Xe-127m



$\times 10^{-6}$
Legendre (CM)



19

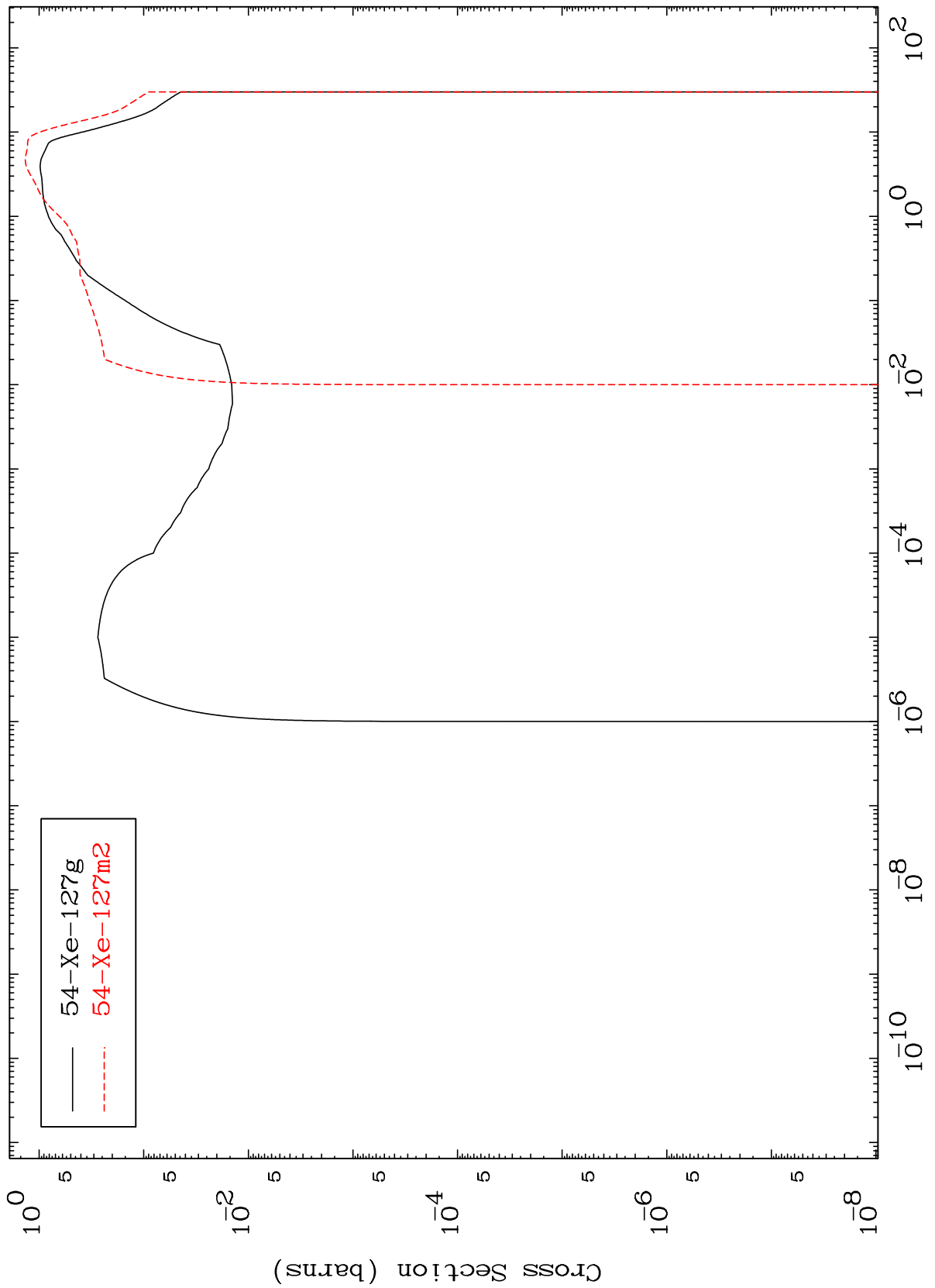
Incident Energy (MeV)

54-Xe-127m

MAT 5435

54-Xe-127m

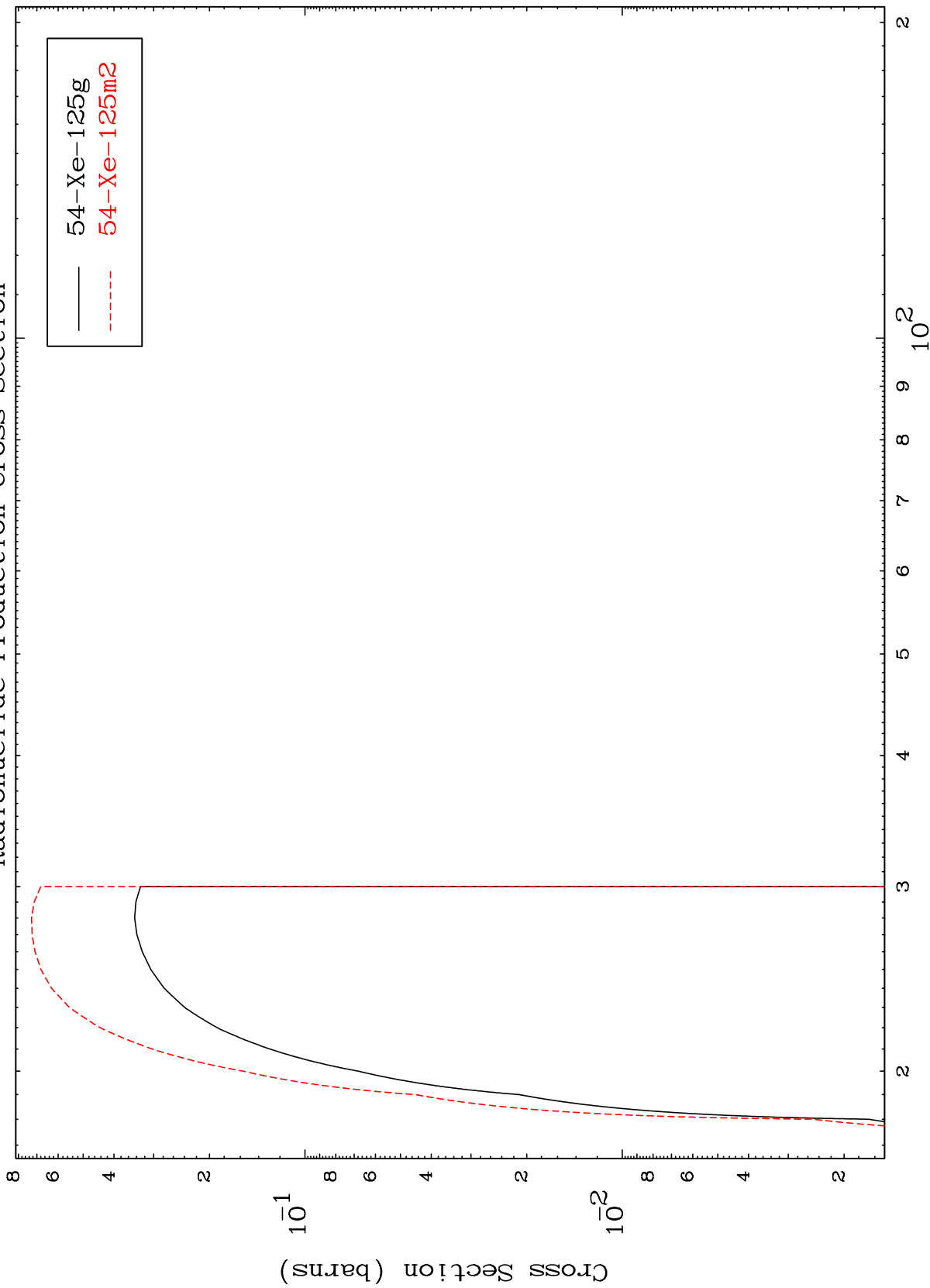
Inelastic
Radionuclide Production Cross Section



MAT 5435

54-Xe-127m

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

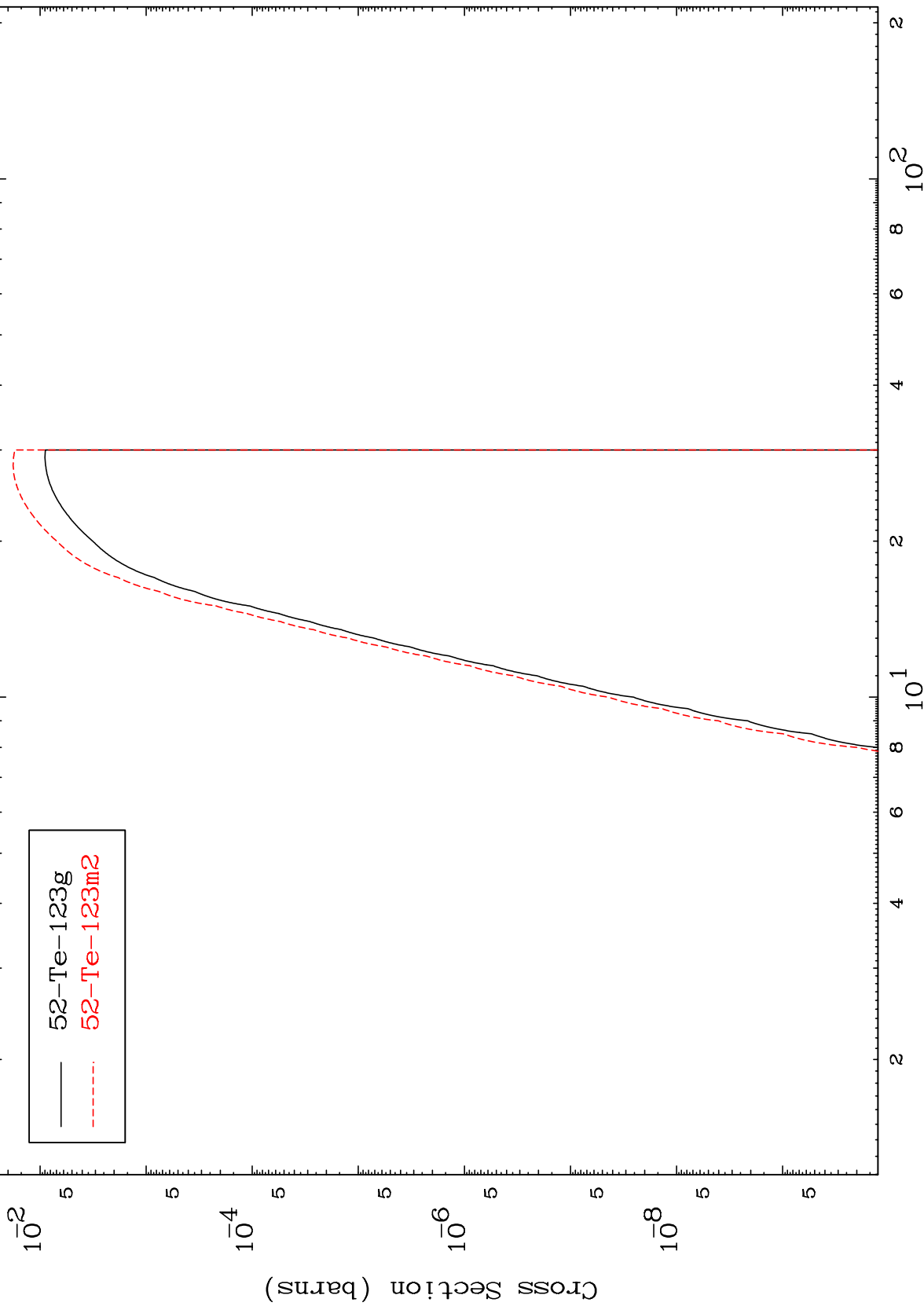
54-Xe-127m

MAT 5435

(n,n') α

54-Xe-127m

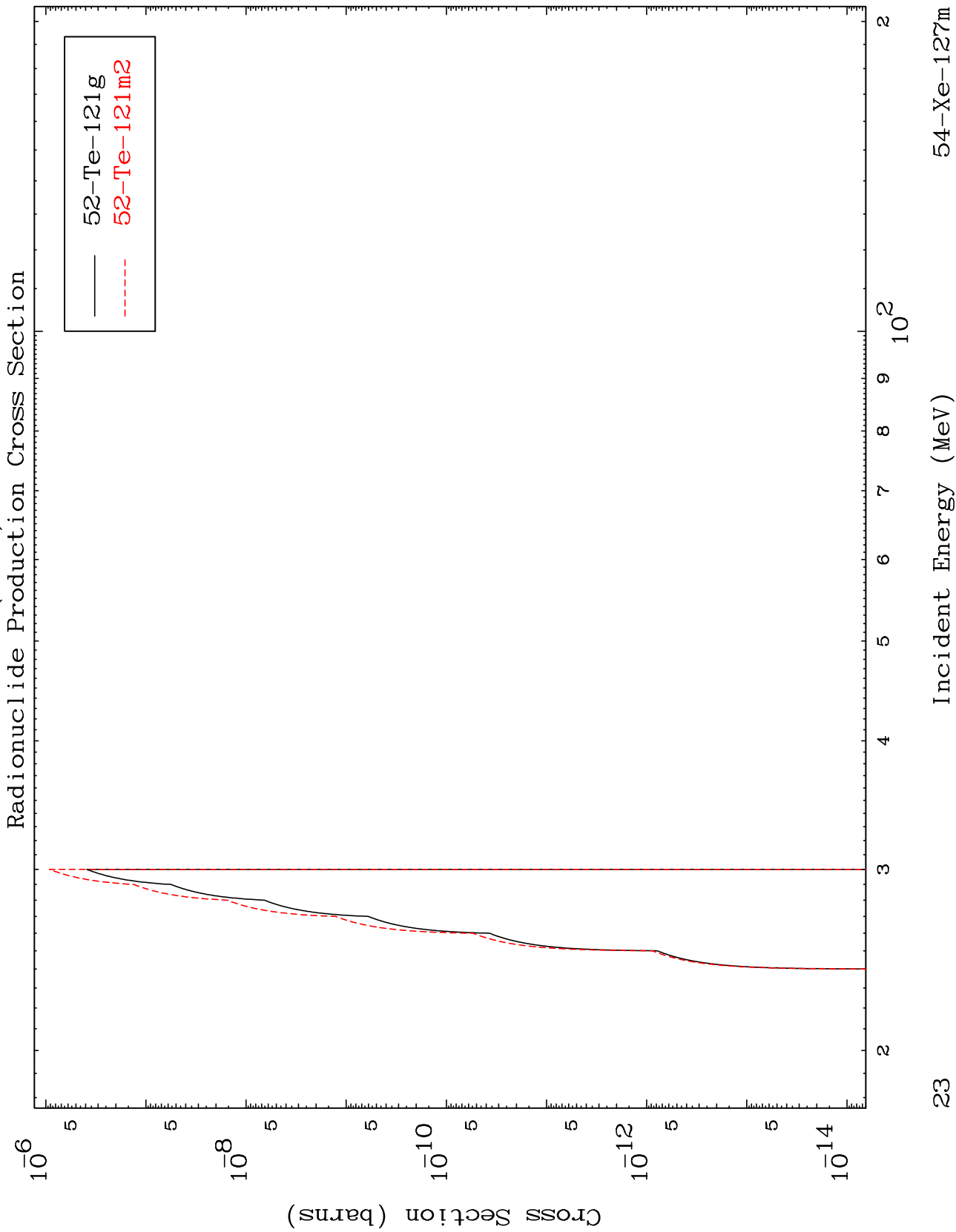
Radionuclide Production Cross Section



MAT 5435

(n,3n) α

54-Xe-127m



23

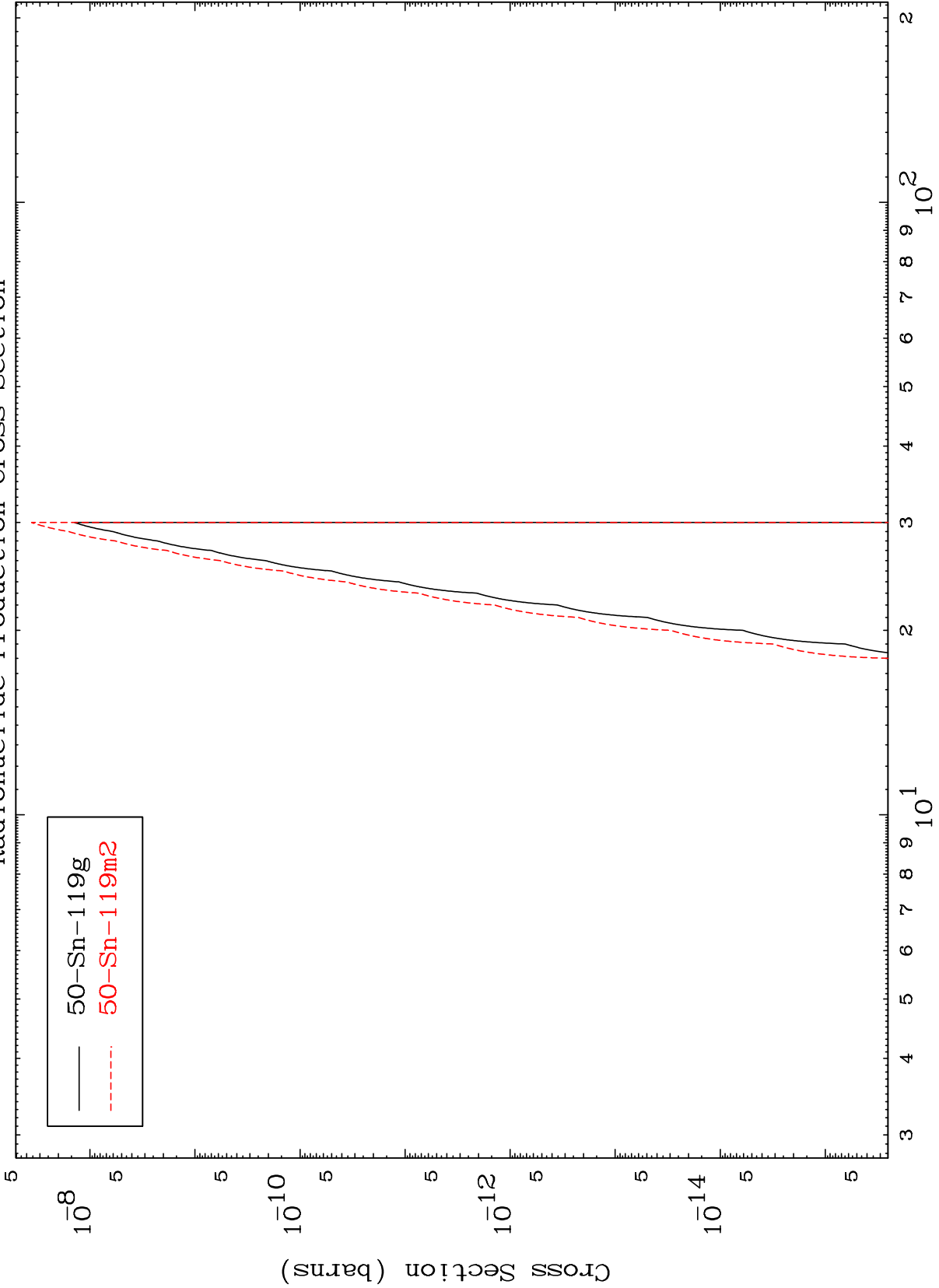
54-Xe-127m

MAT 5435

(n,n') 2α

54-Xe-127m

Radionuclide Production Cross Section



50-Sn-119g
50-Sn-119m2

24

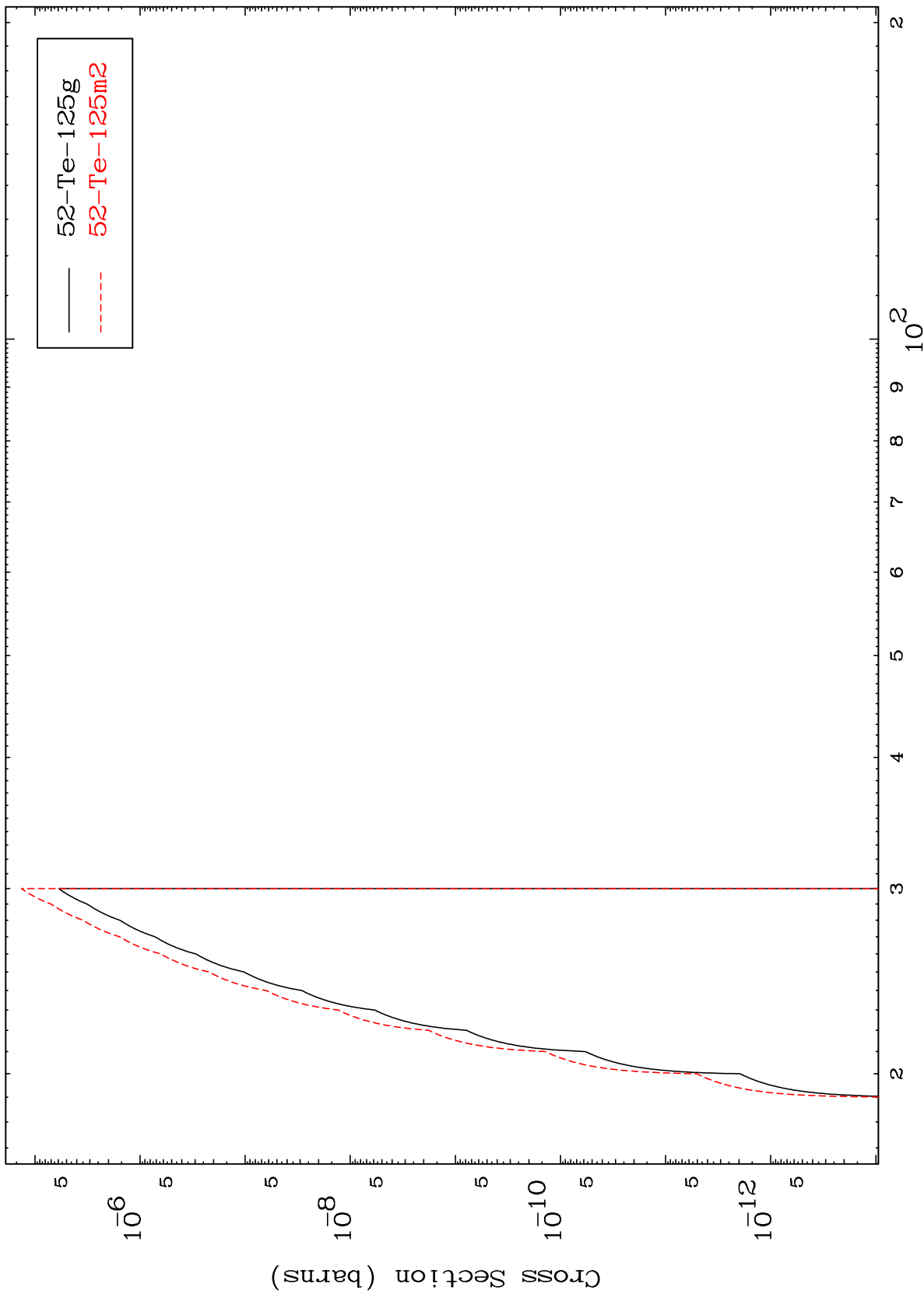
Incident Energy (MeV)

54-Xe-127m

MAT 5435

54-Xe-127m

(n,2n) p
Radionuclide Production Cross Section



25

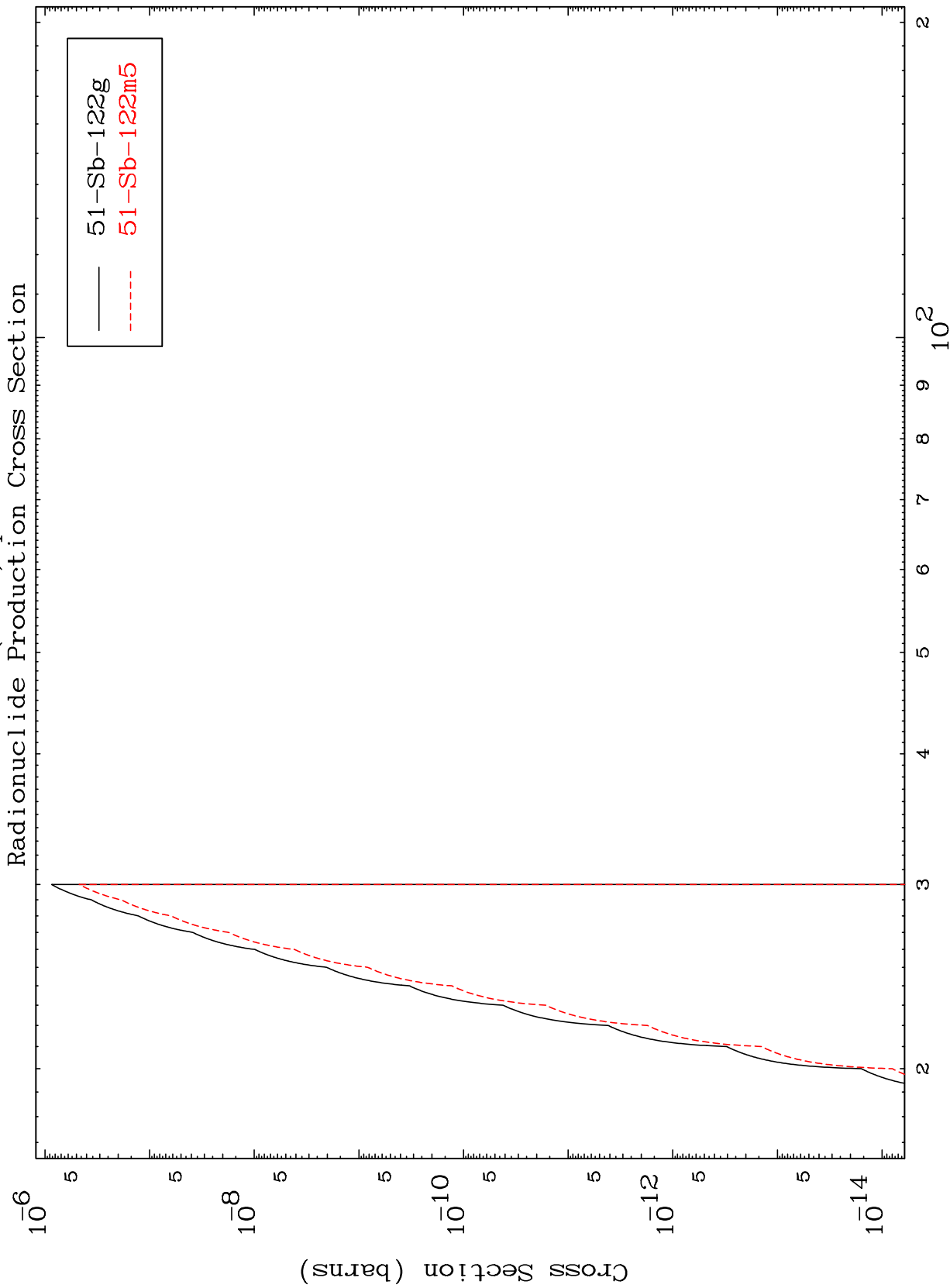
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,n') p α

54-Xe-127m



26

Incident Energy (MeV)

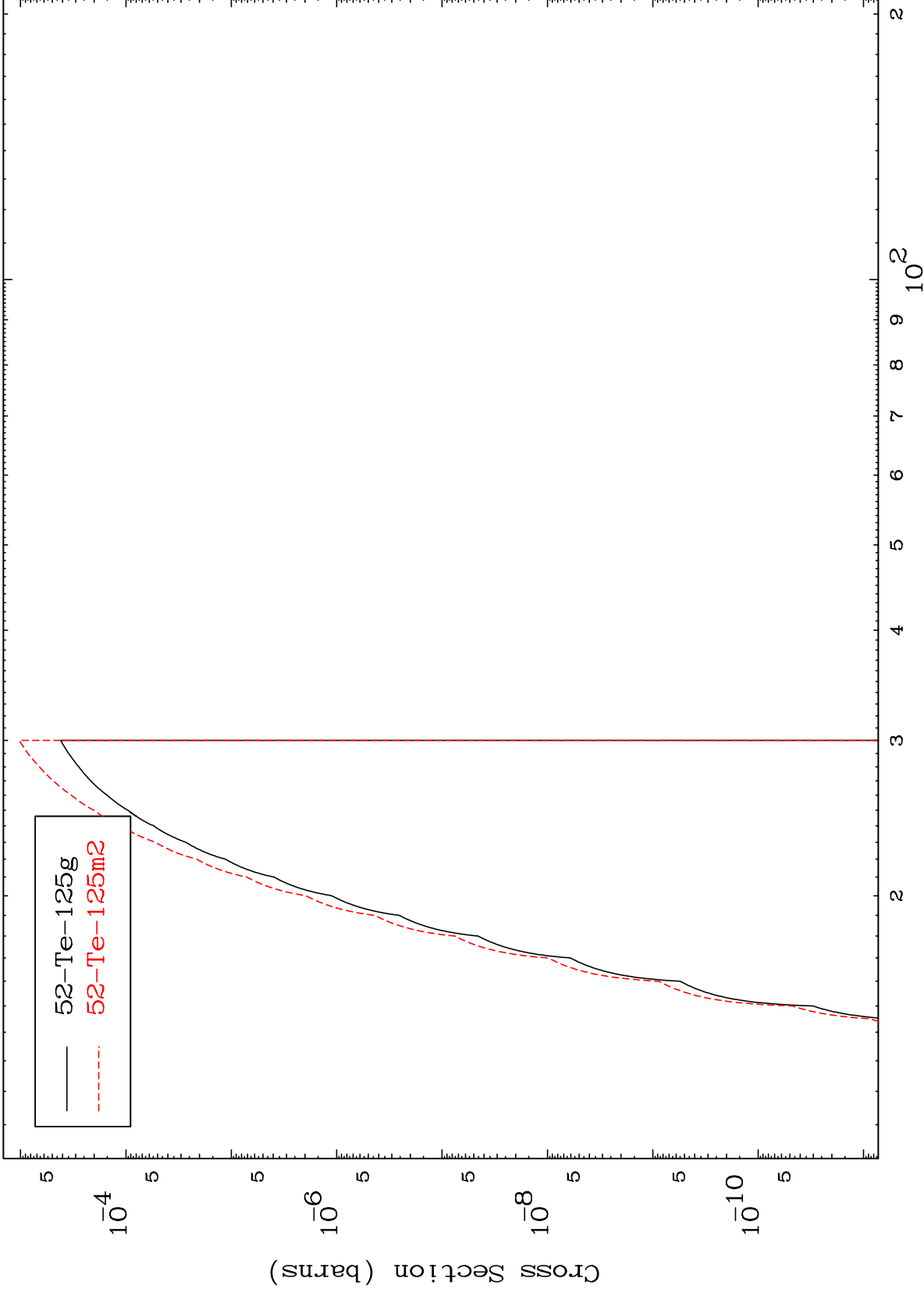
54-Xe-127m

MAT 5435

(n,He-3)

54-Xe-127m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

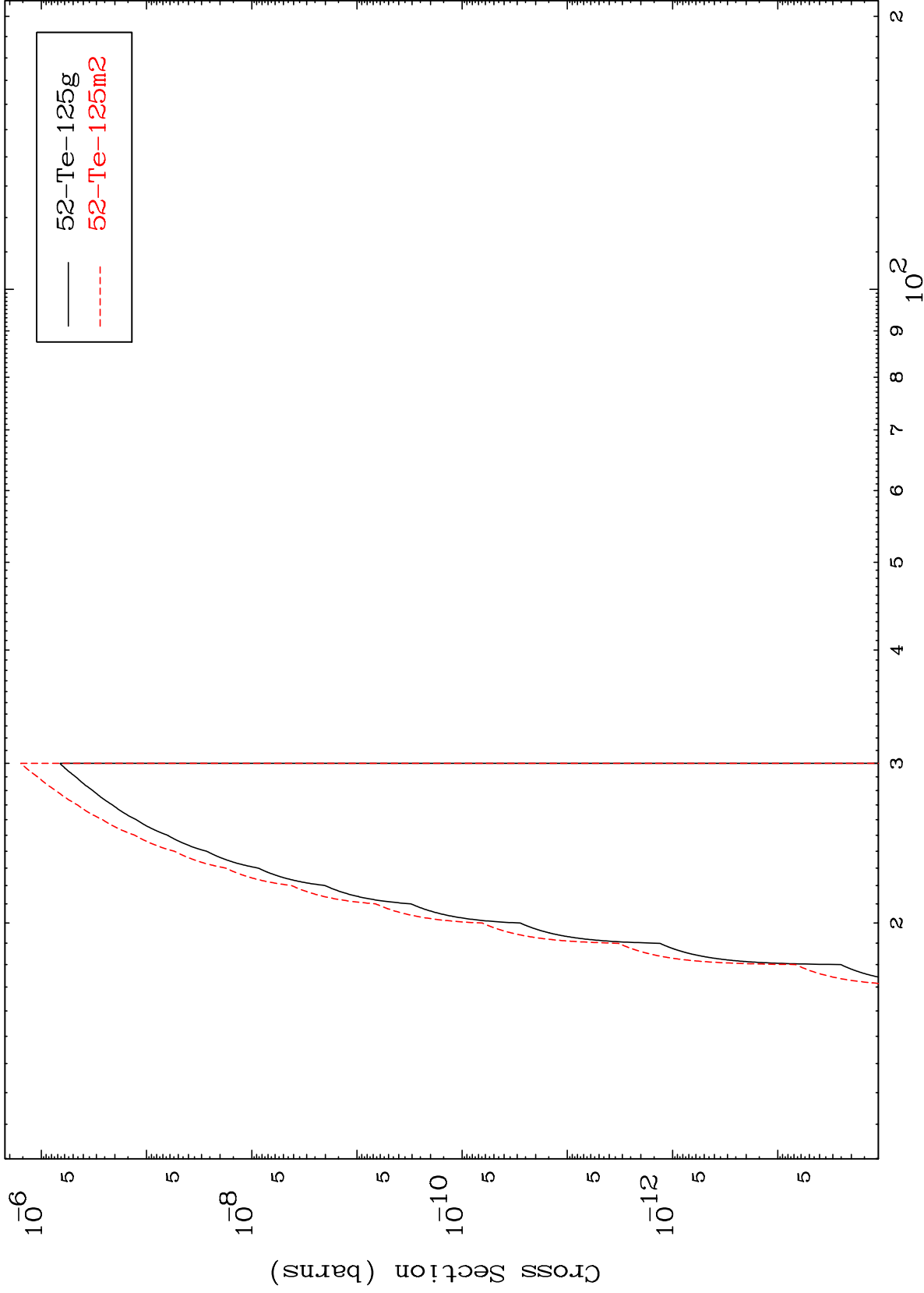
54-Xe-127m

MAT 5435

(n,p) d

54-Xe-127m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

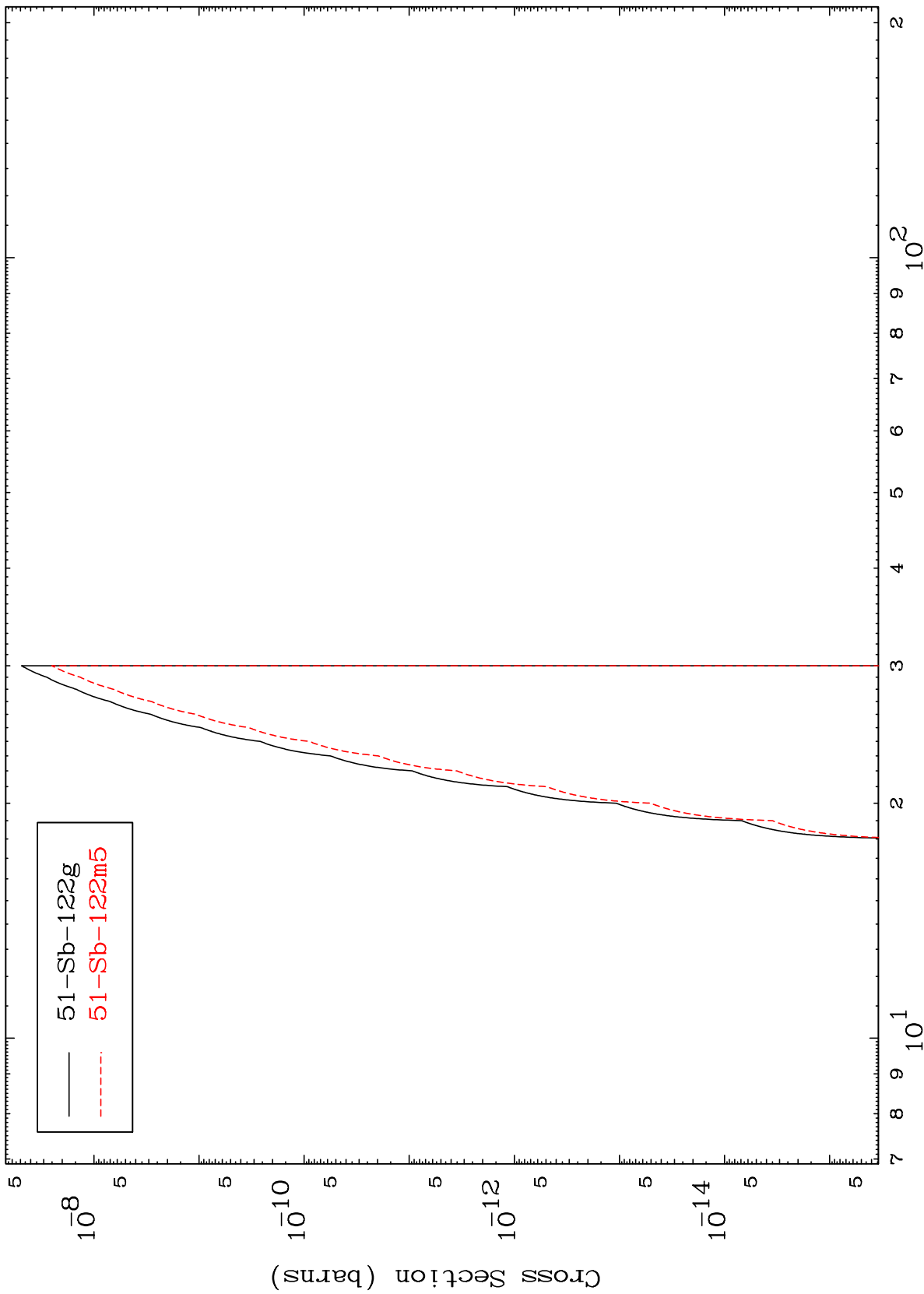
54-Xe-127m

MAT 5435

54-Xe-127m

(n,d) α

Radionuclide Production Cross Section



— 51-Sb-122g
- - - 51-Sb-122m5

29

Incident Energy (MeV)

54-Xe-127m