

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

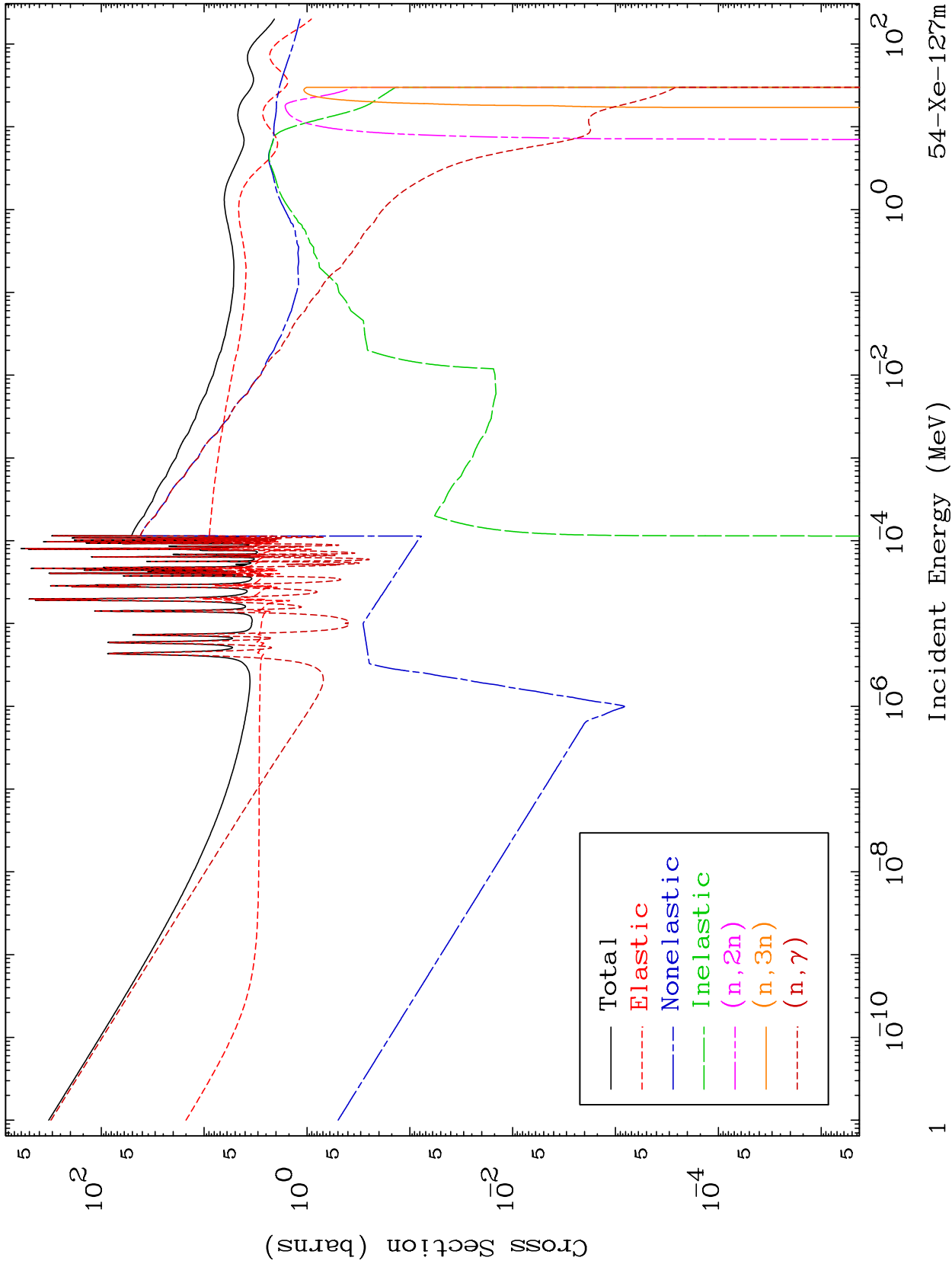
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5435

Neutron Major
293 Kelvin Cross Sections

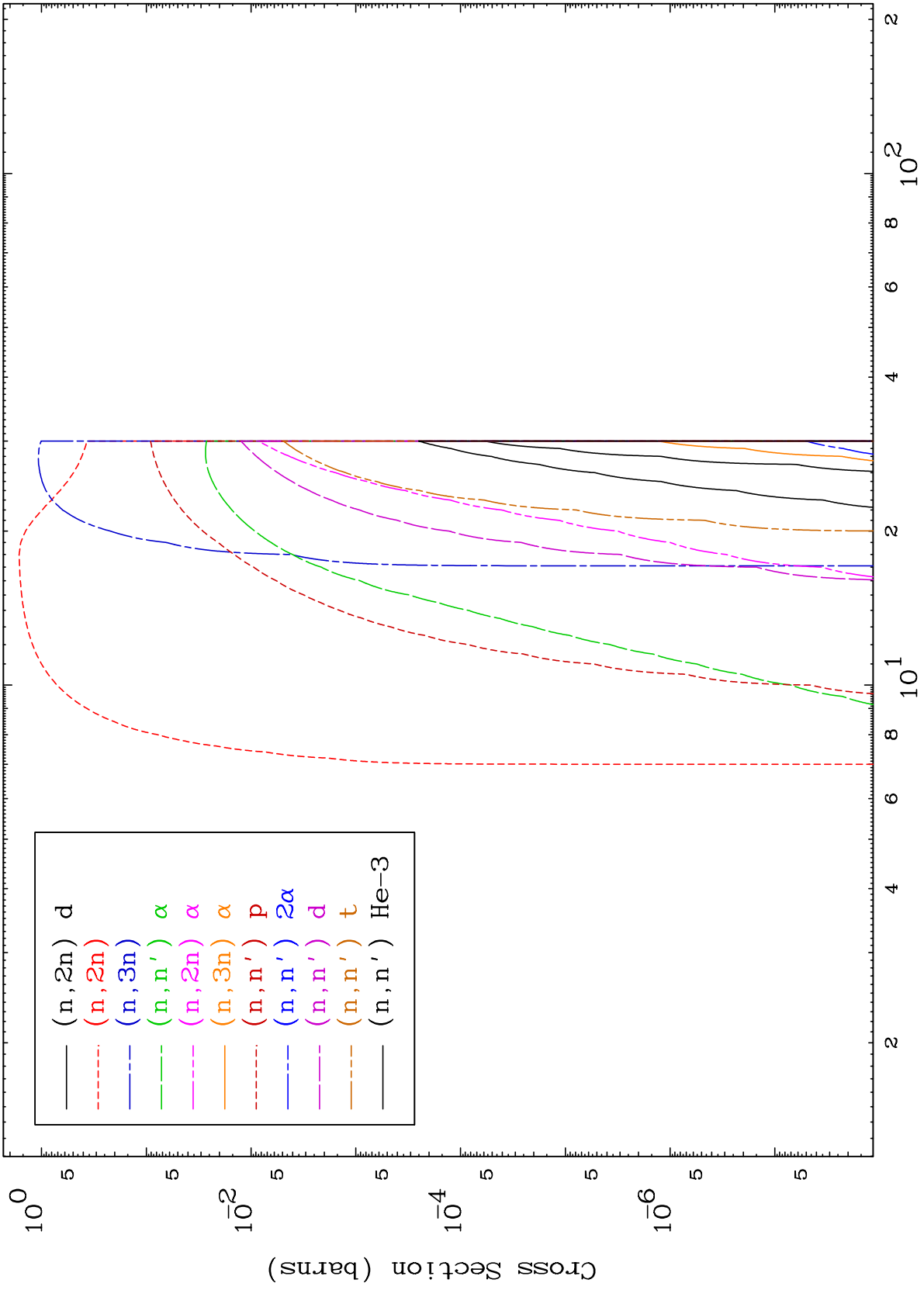
54-Xe-127m



MAT 5435

Neutron Absorption
293 Kelvin Cross Sections

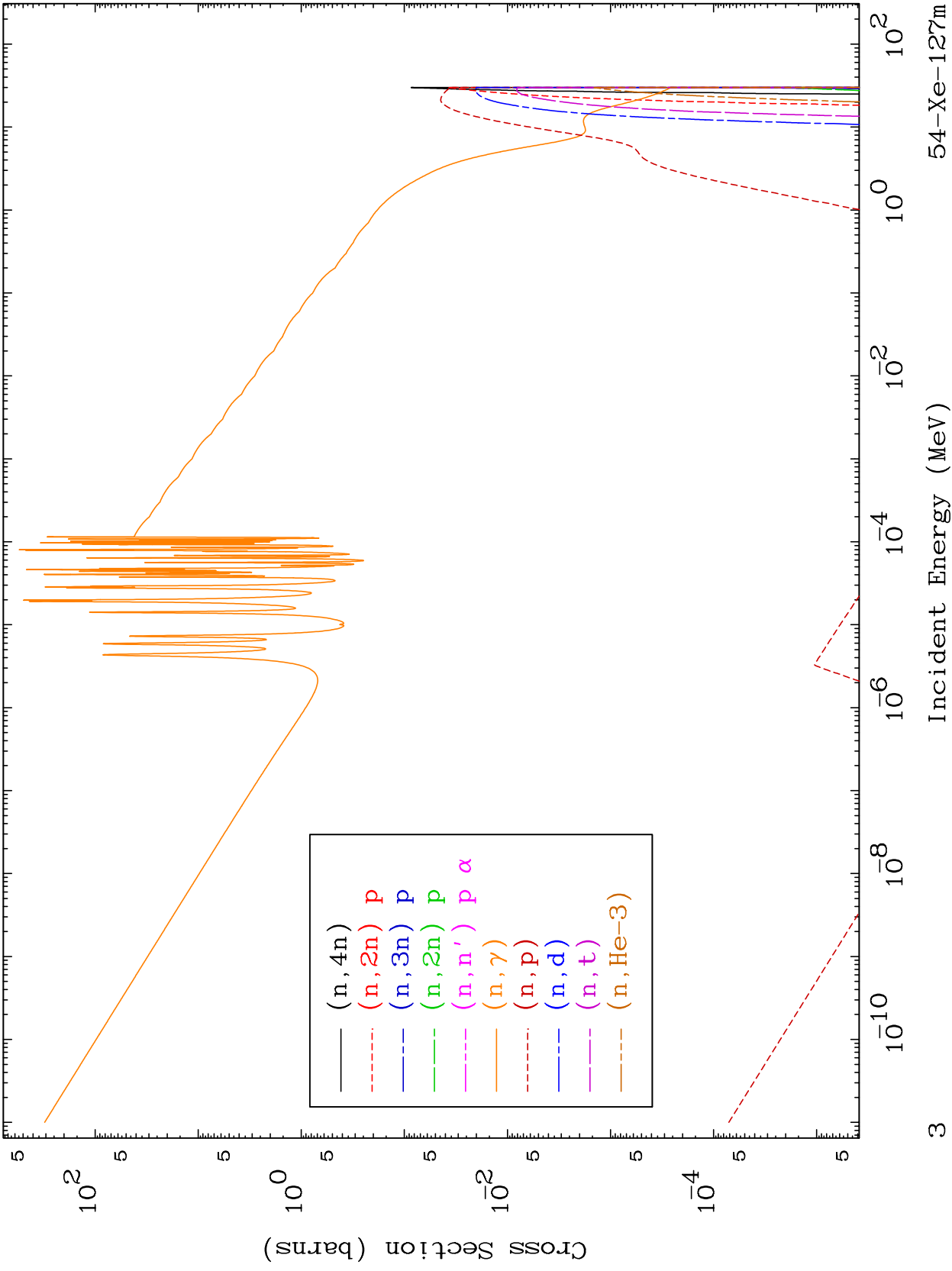
54-Xe-127m



MAT 5435

Neutron Absorption
293 Kelvin Cross Sections

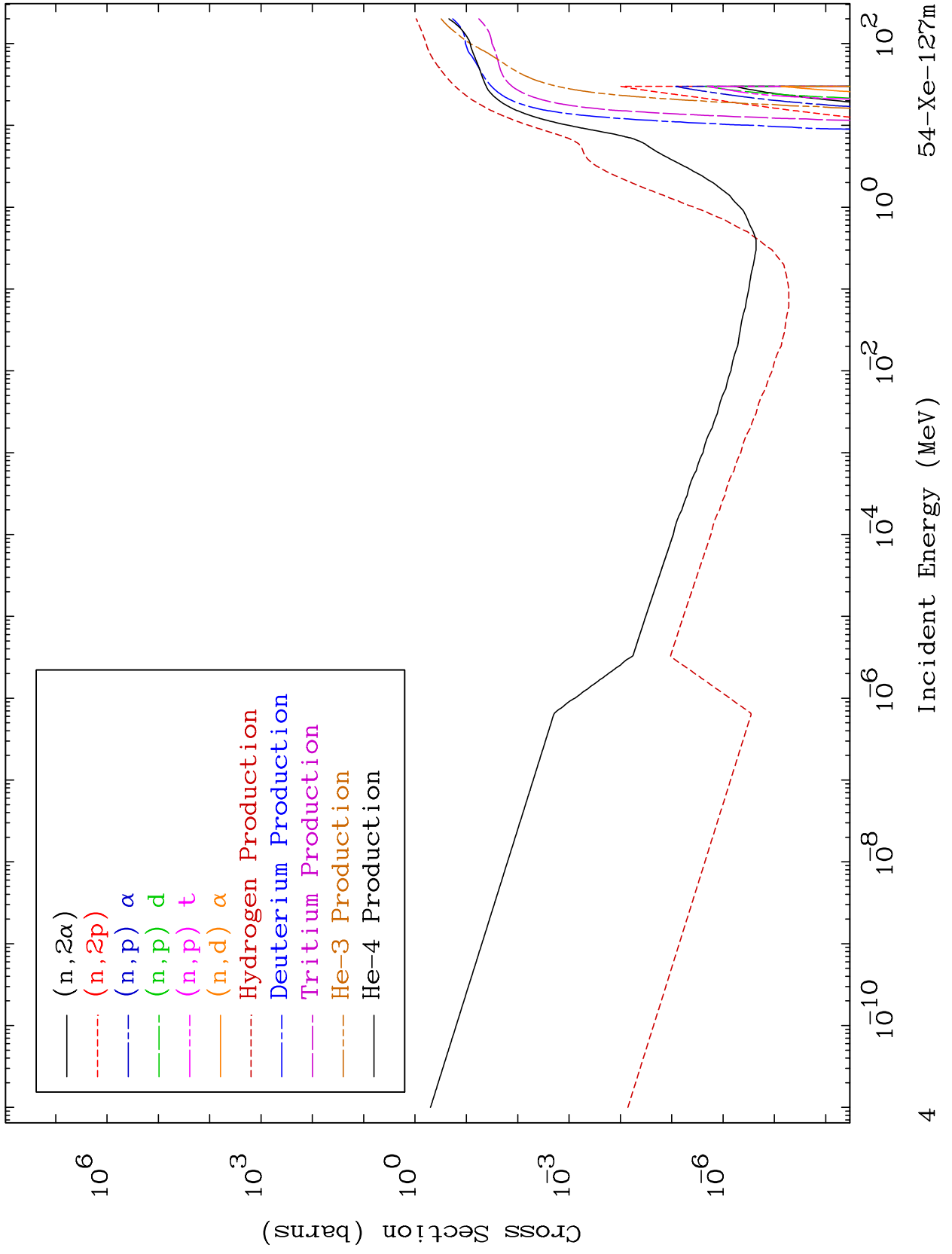
54-Xe-127m



MAT 5435

Neutron Absorption
293 Kelvin Cross Sections

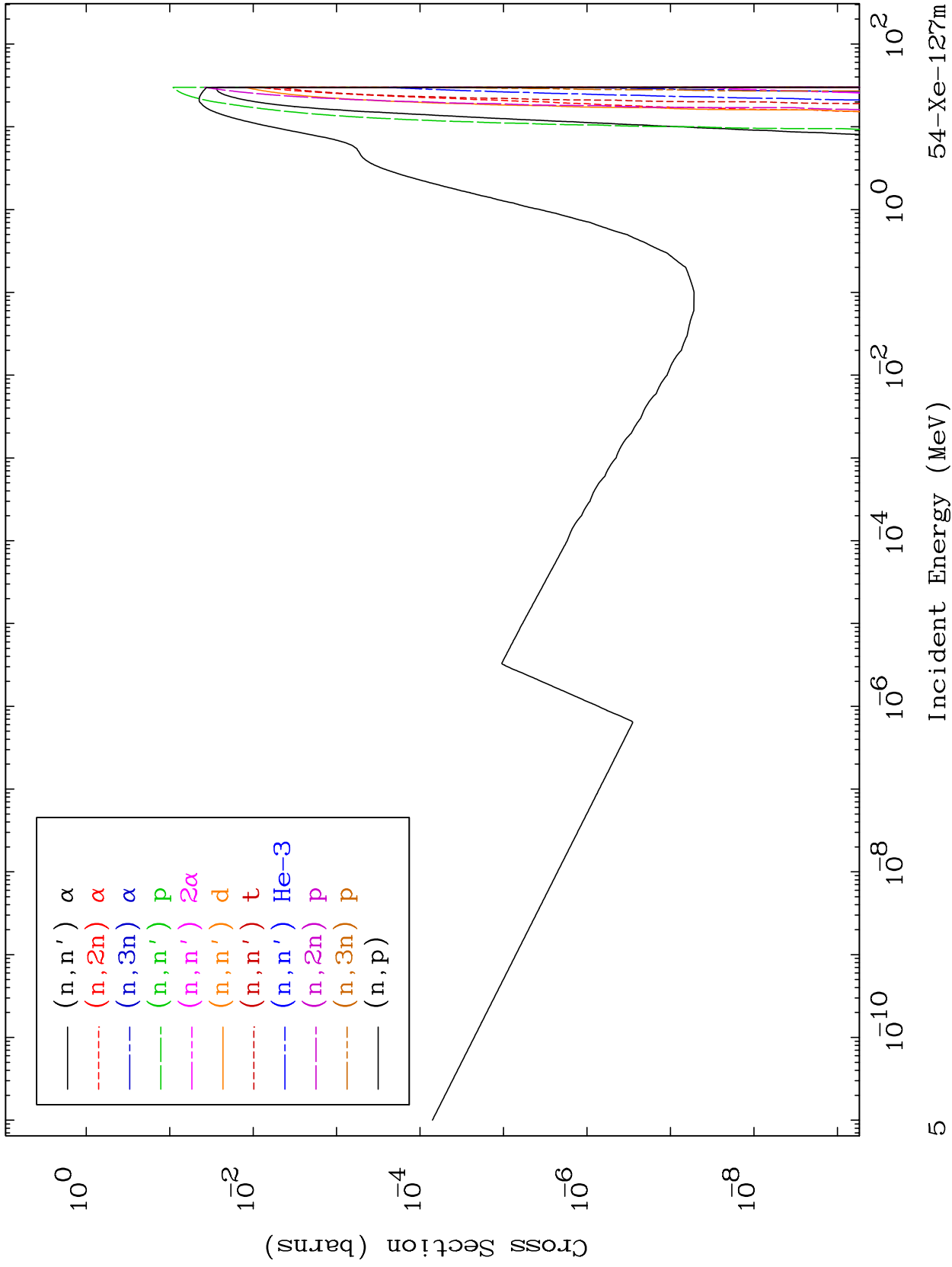
54-Xe-127m



MAT 5435

Charged Particle
293 Kelvin Cross Sections

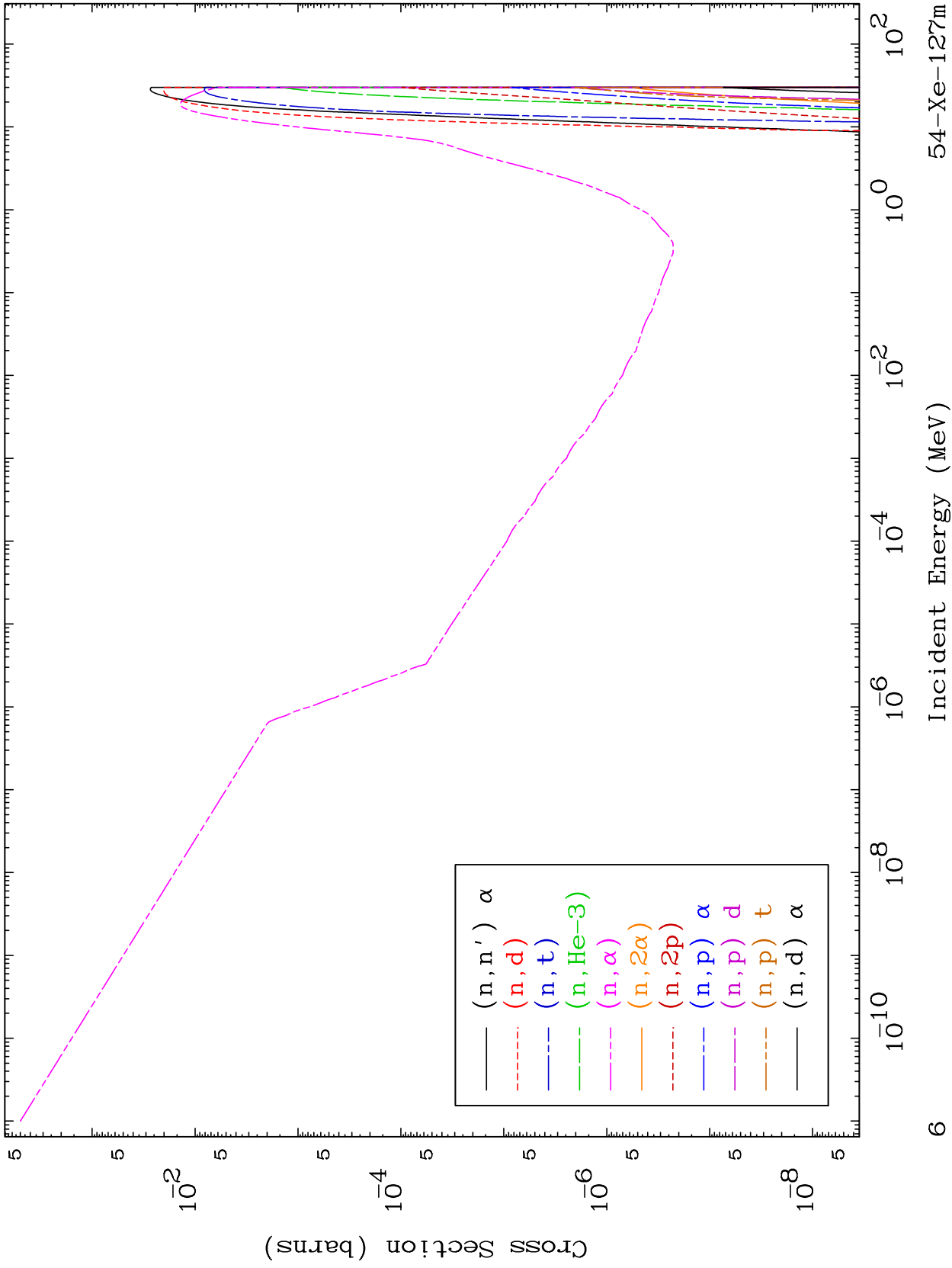
54-Xe-127m



MAT 5435

Charged Particle
293 Kelvin Cross Sections

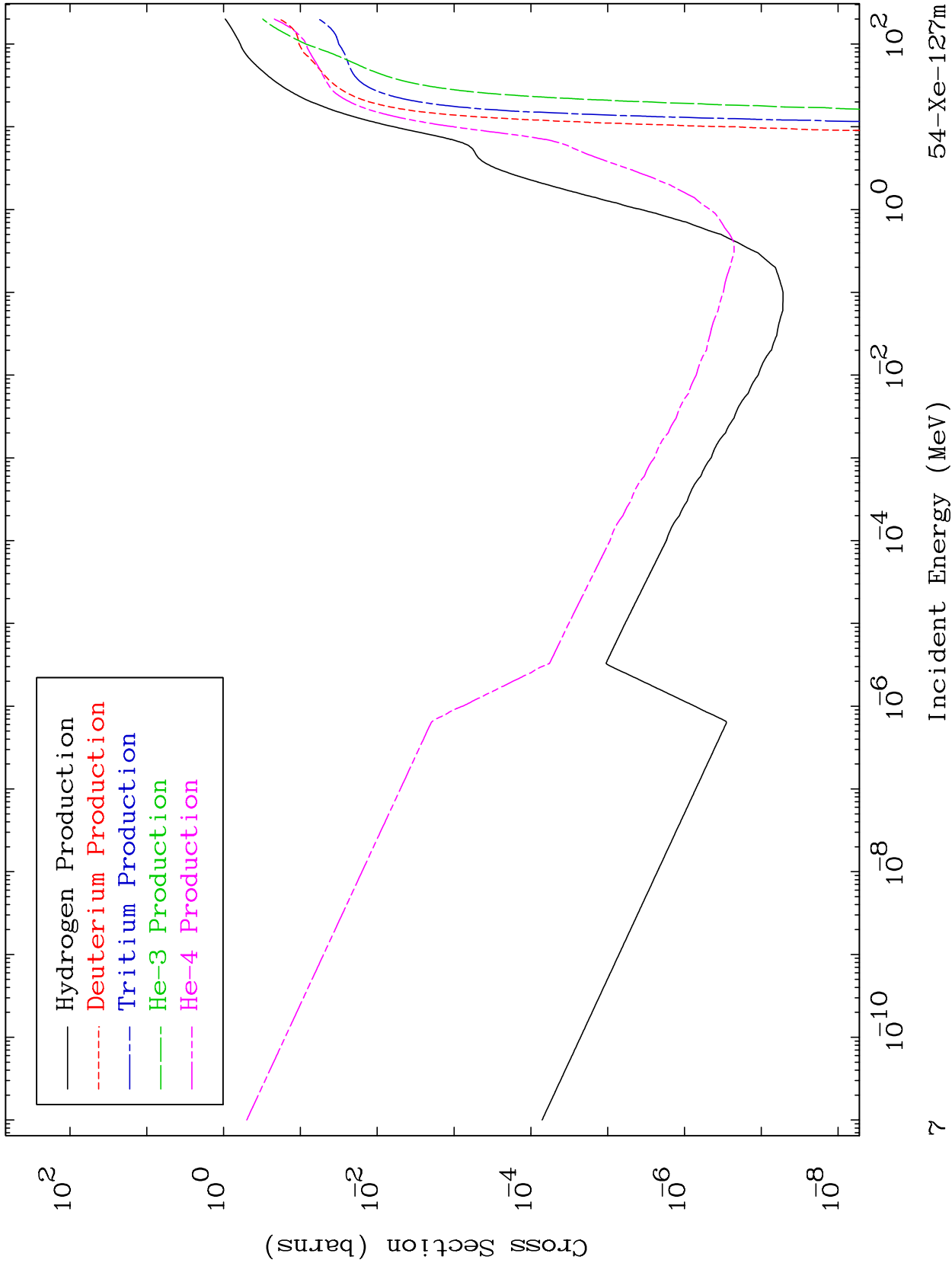
54-Xe-127m



MAT 5435

Particle Production
293 Kelvin Cross Sections

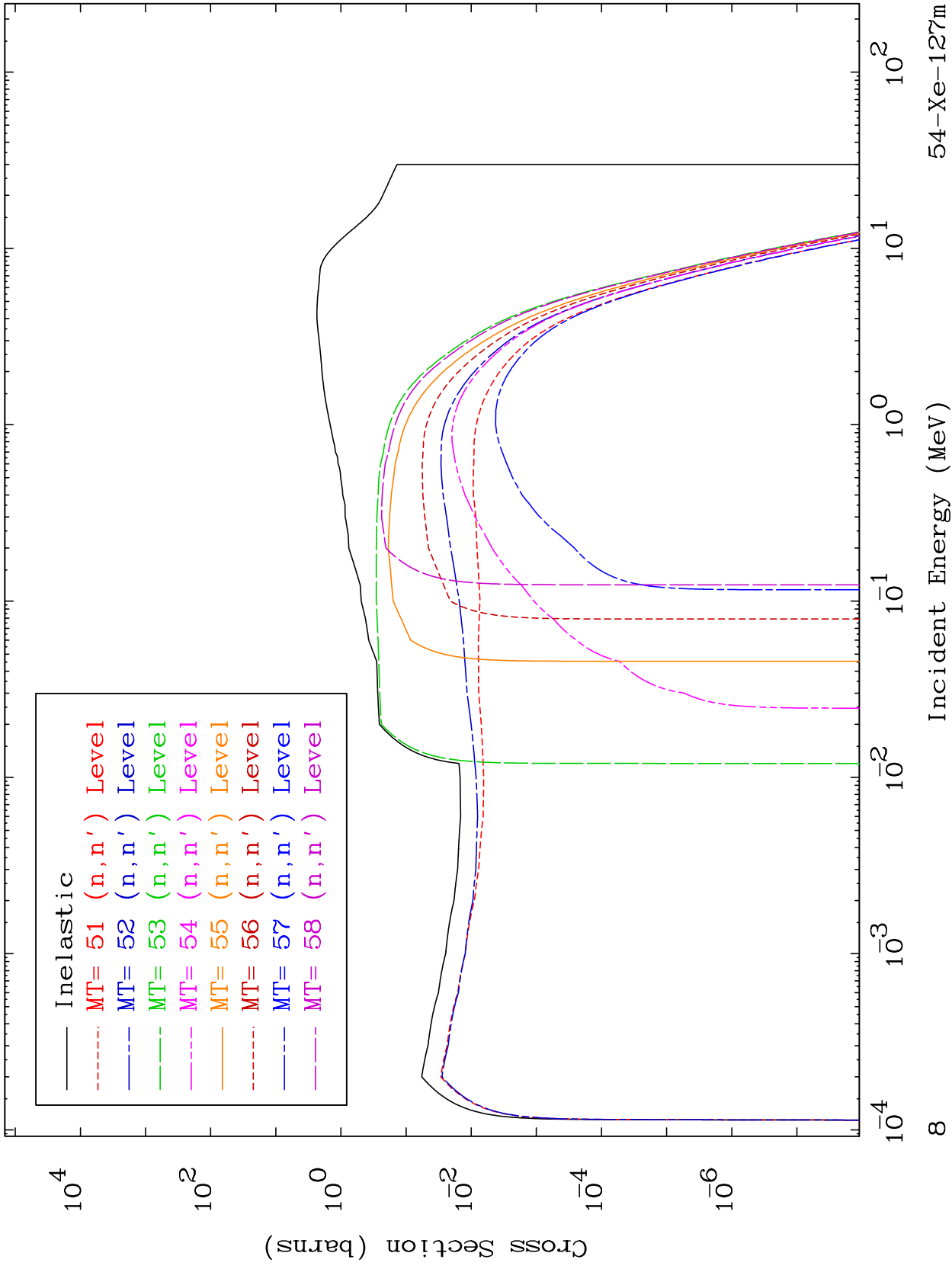
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

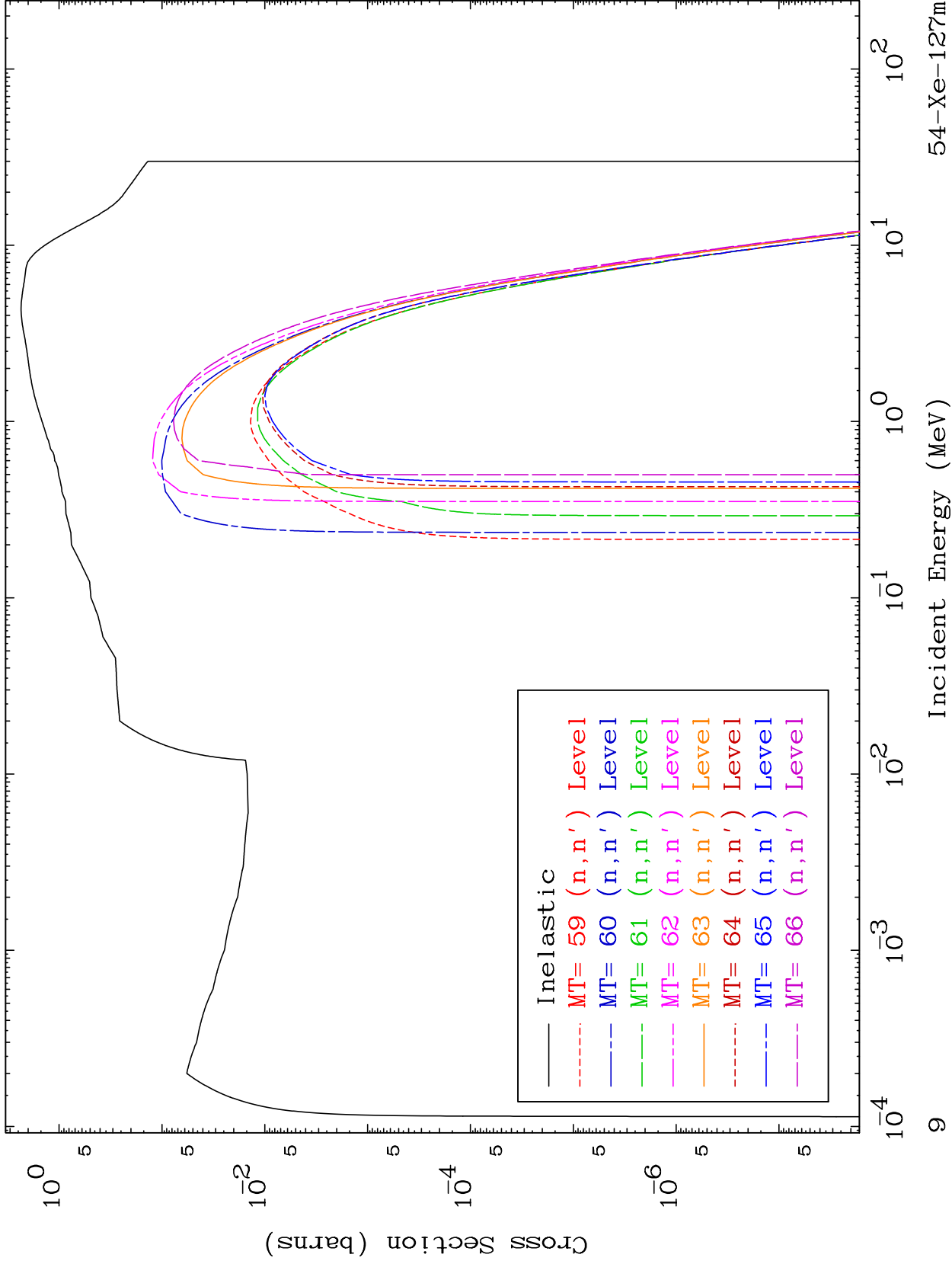
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

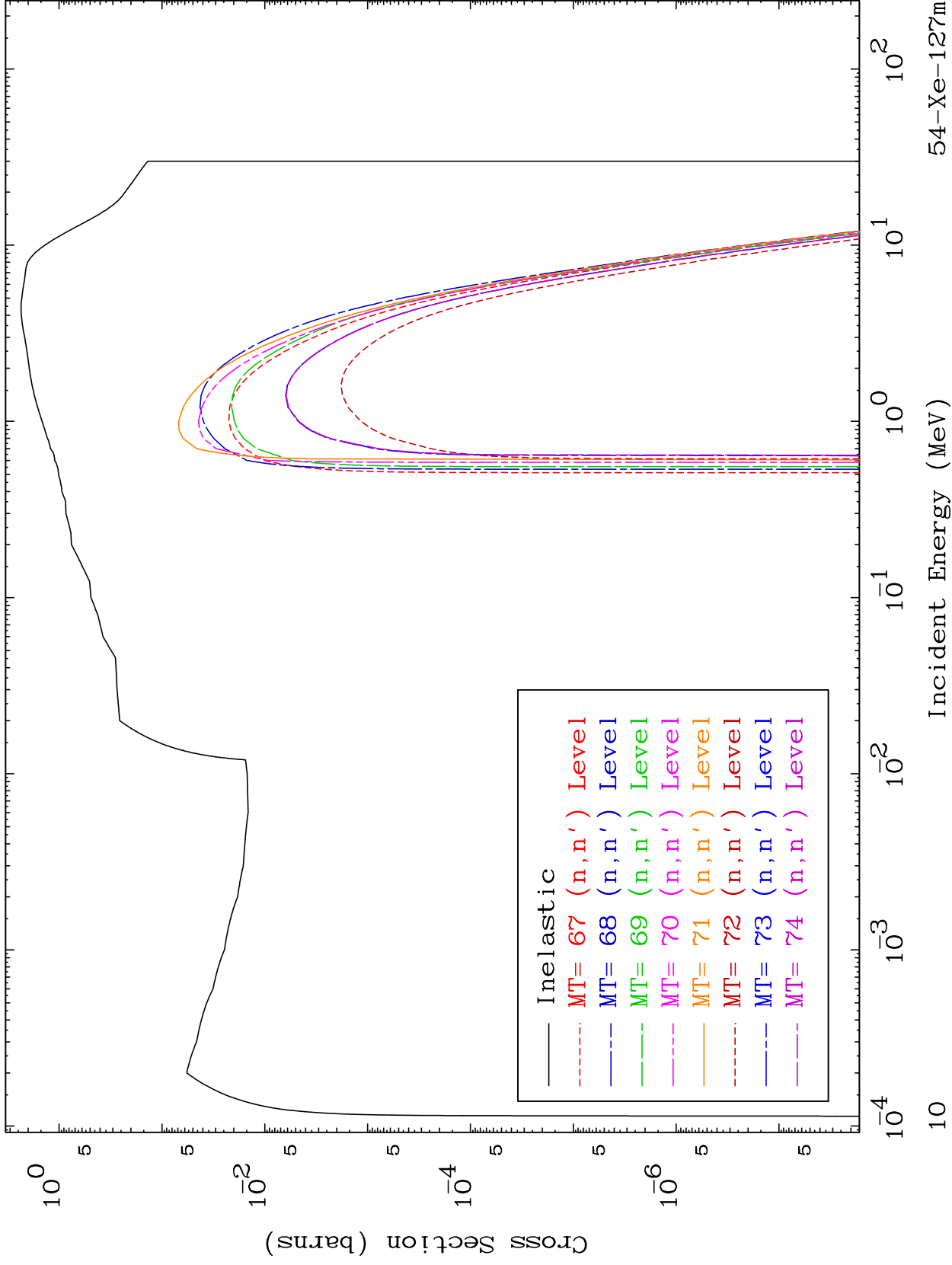
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

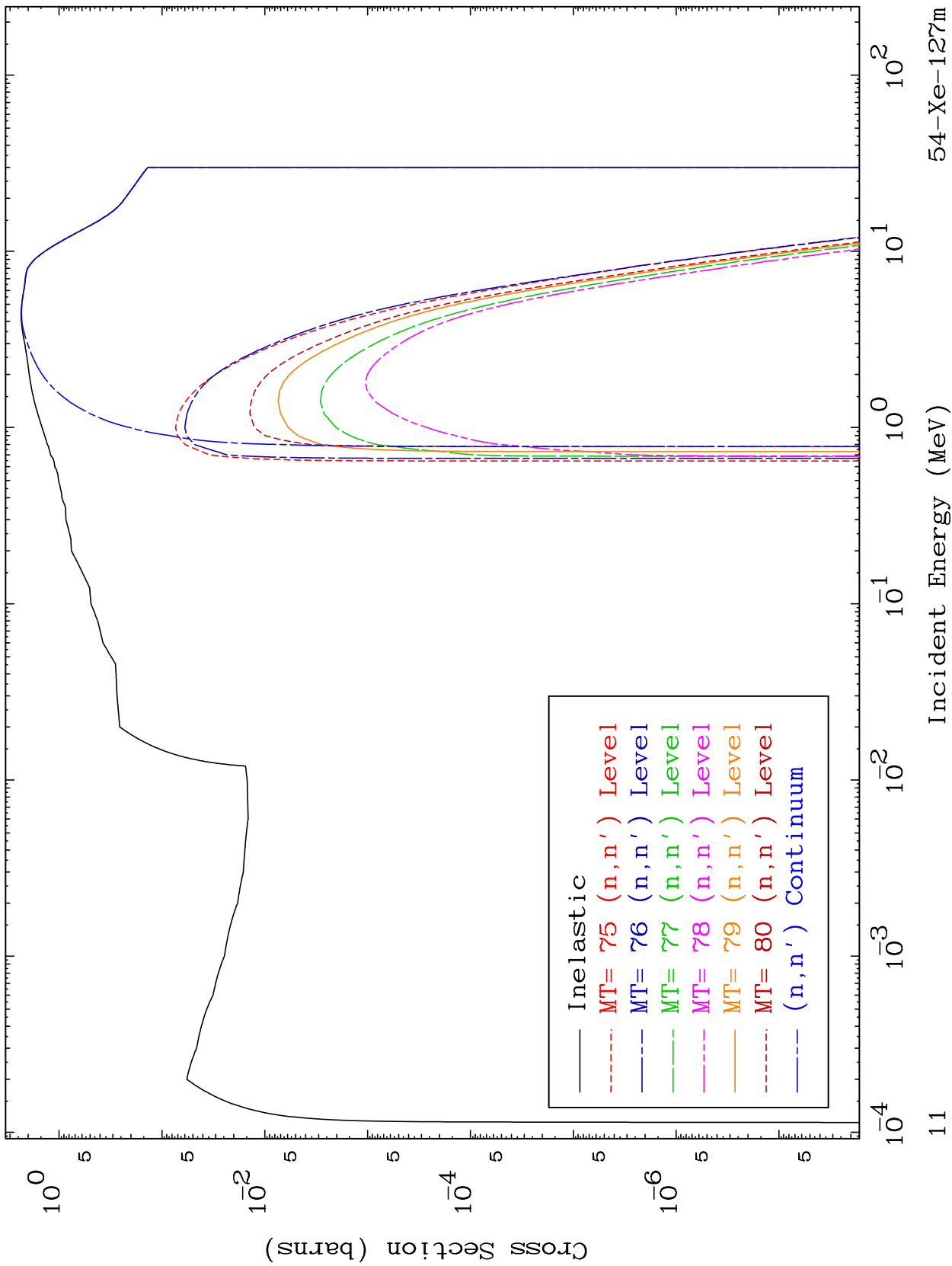
54-Xe-127m



MAT 5435

(n,n') Levels
293 Kelvin Cross Sections

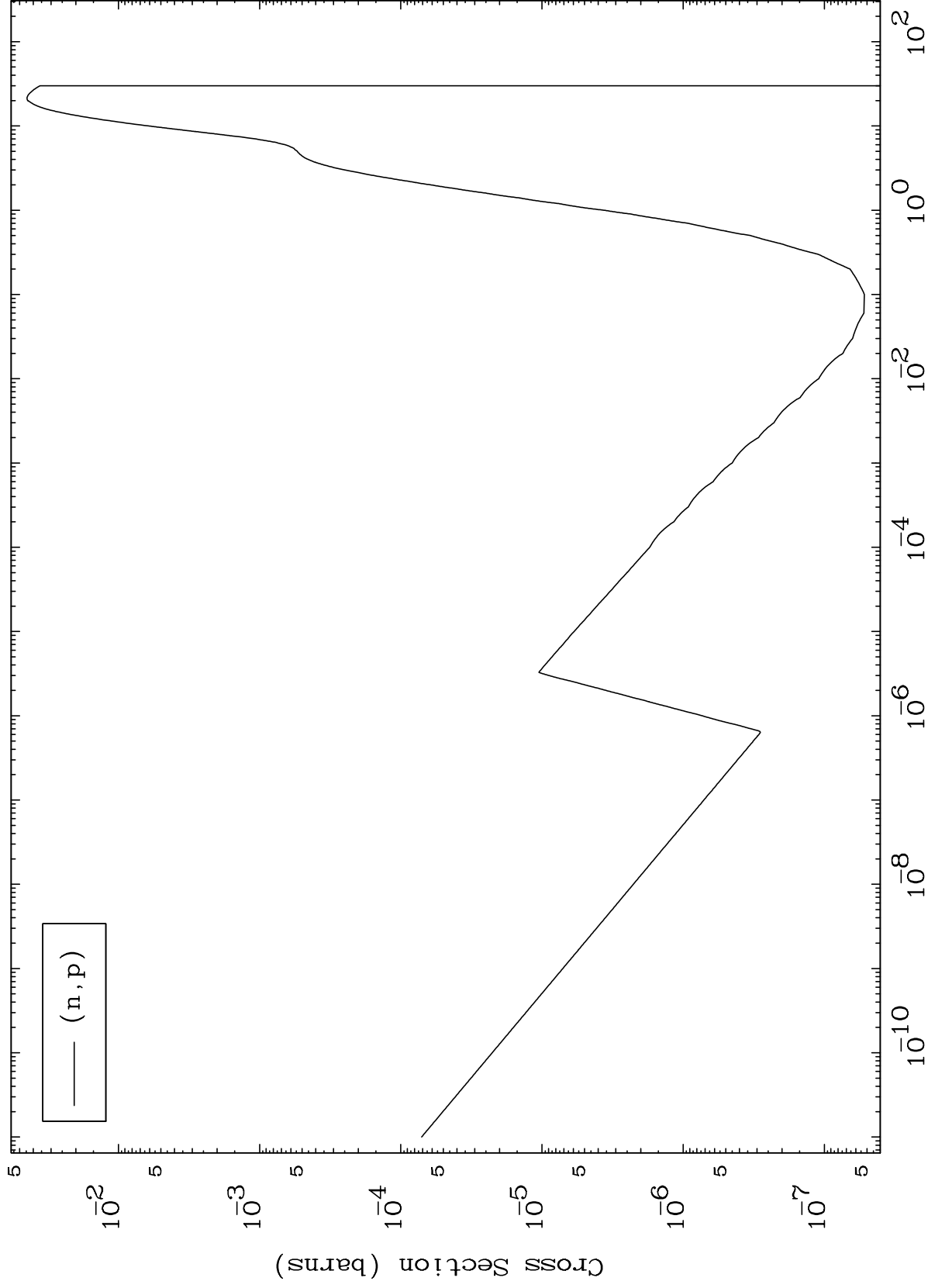
54-Xe-127m



MAT 5435

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-127m



12

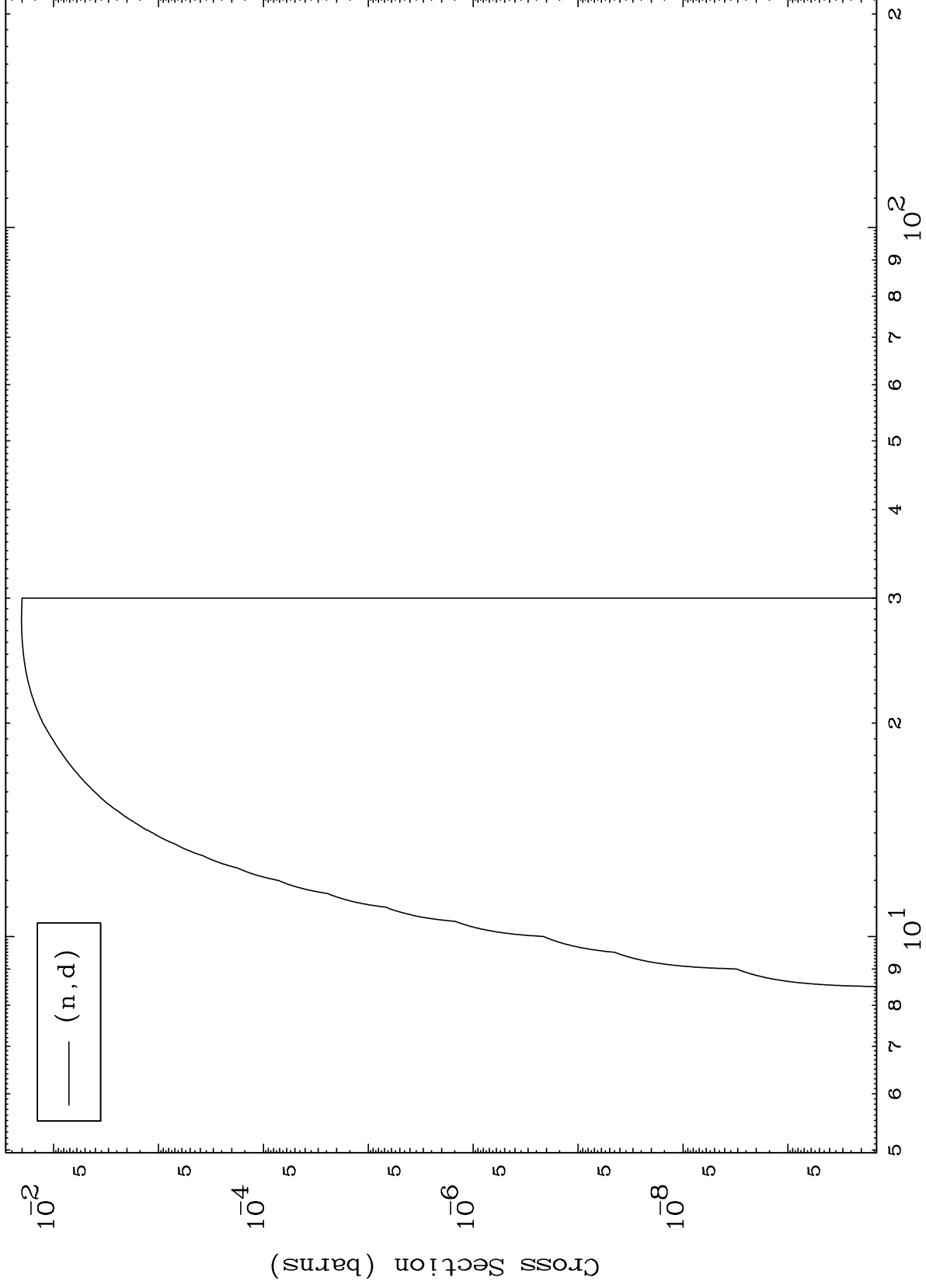
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-127m



13

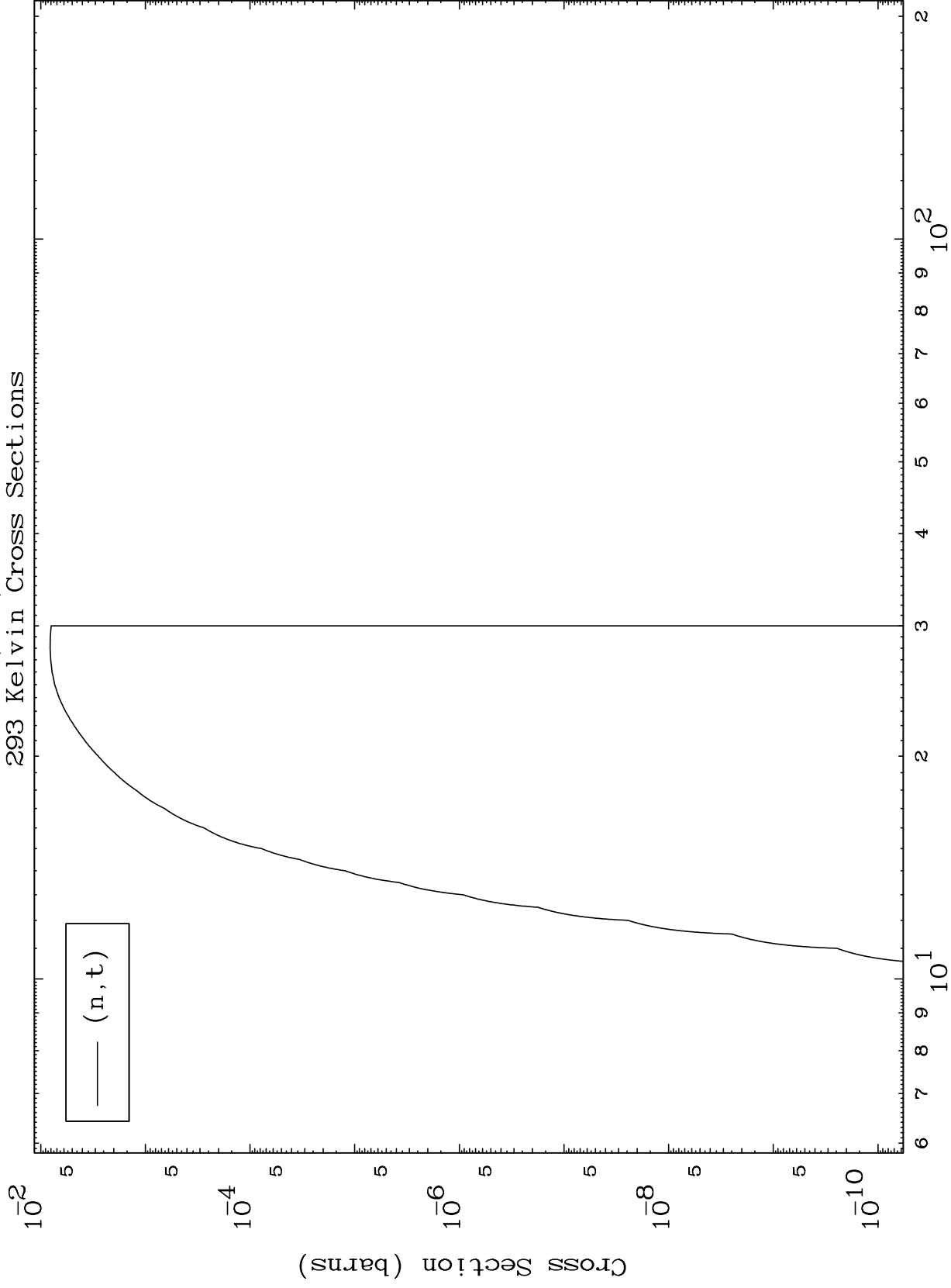
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127m



14

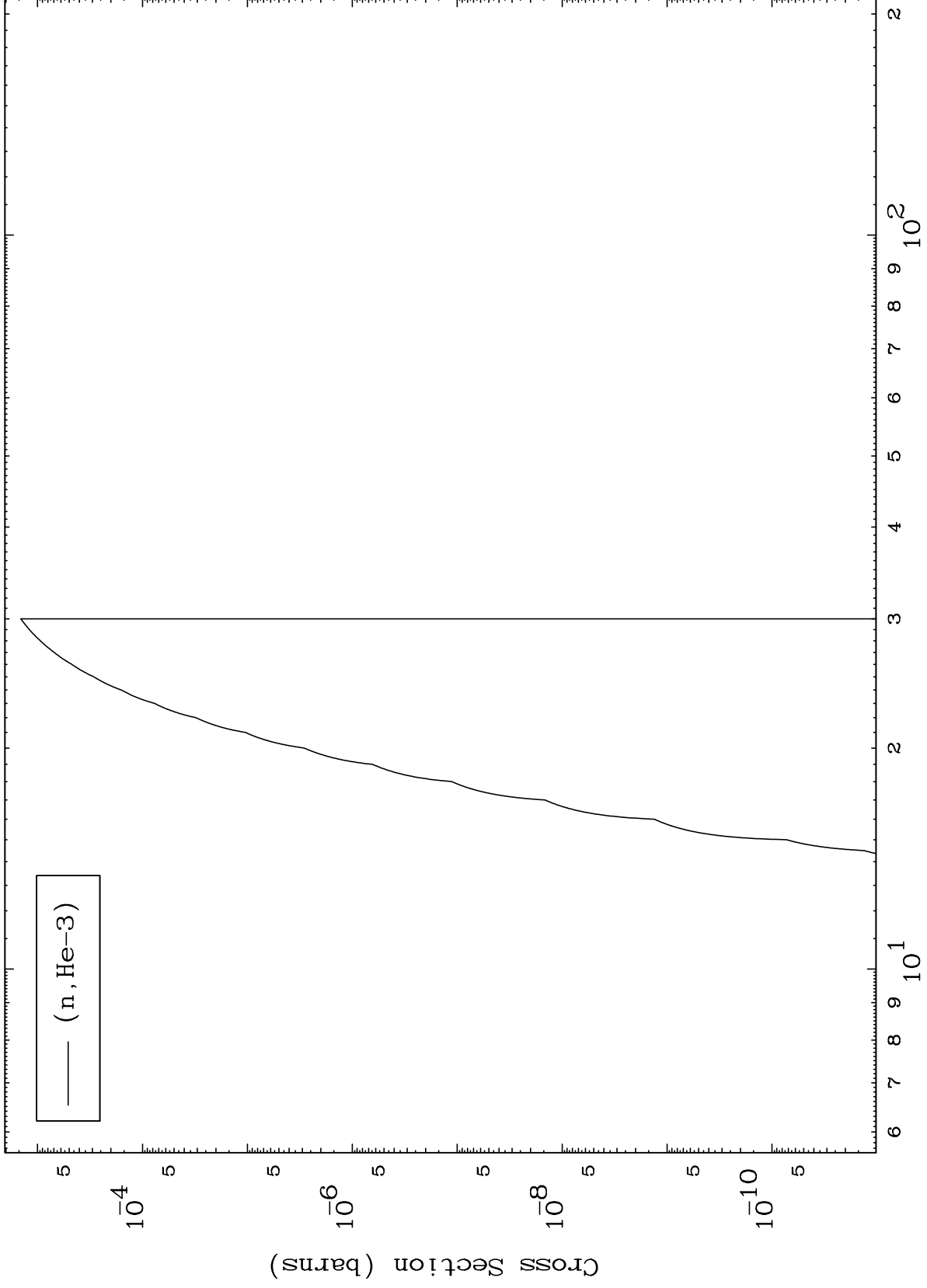
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127m



15

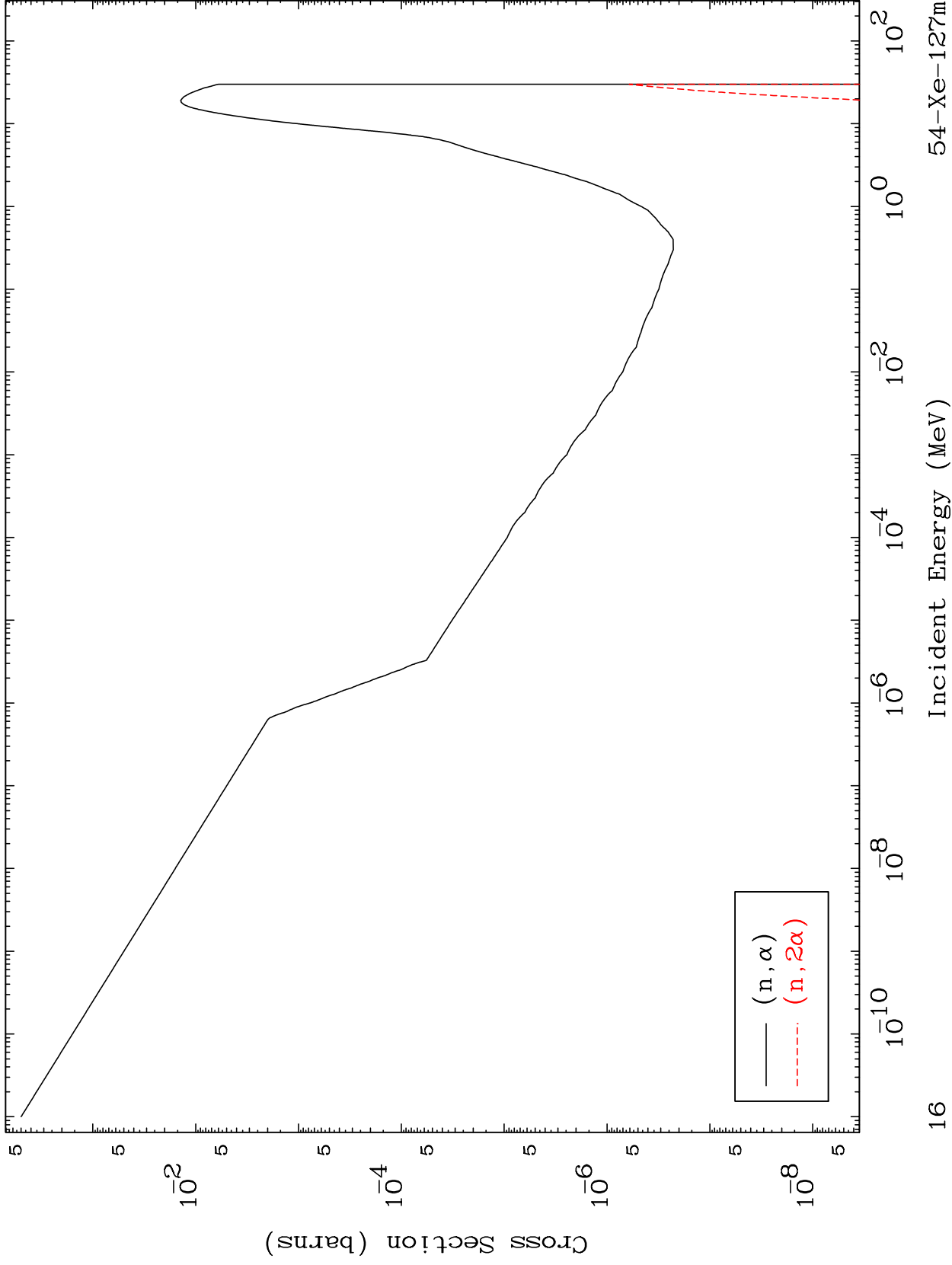
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n, α) Levels
293 Kelvin Cross Sections

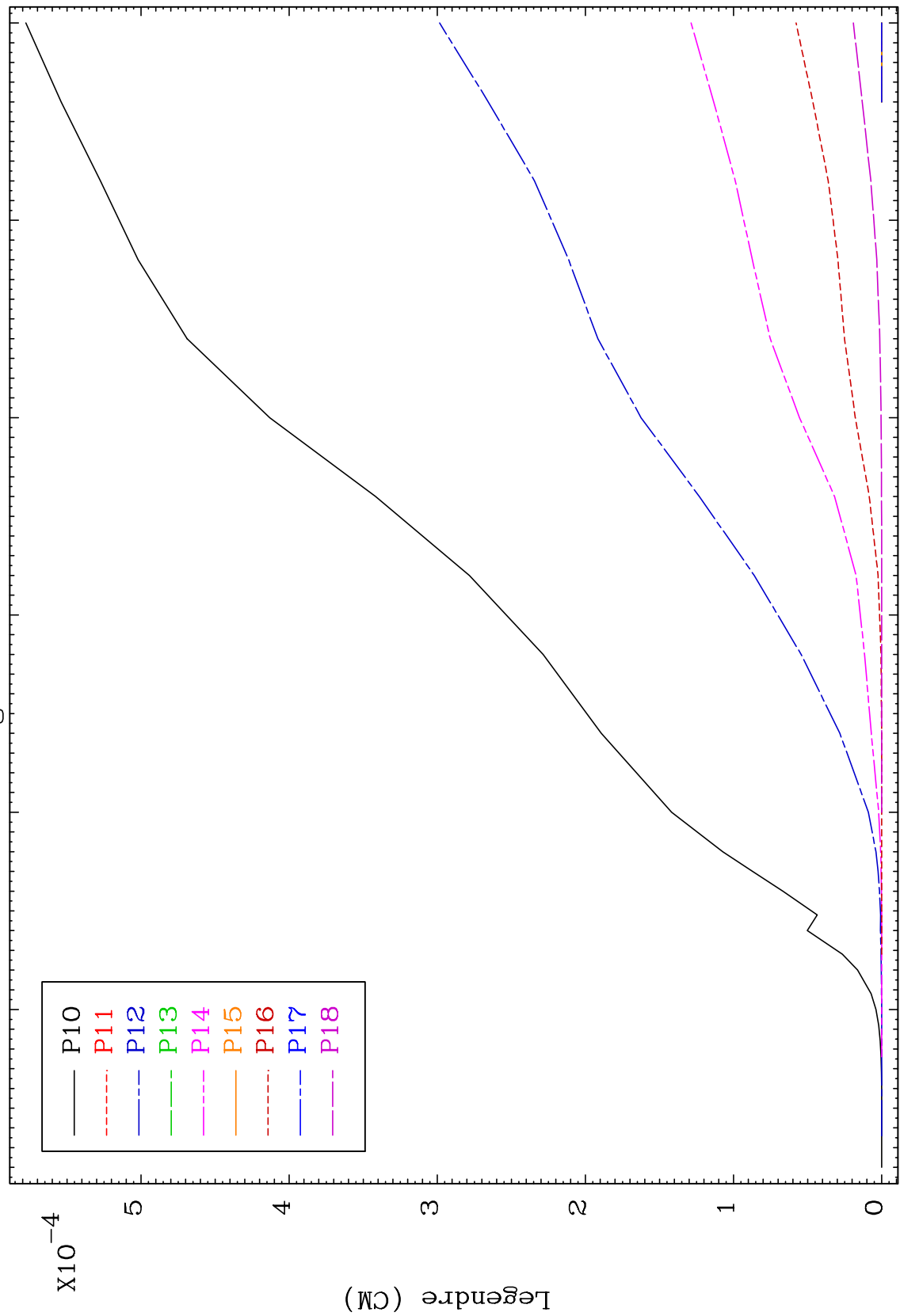
54-Xe-127m



MAT 5435

Elastic Legendre Coefficients

54-Xe-127m



18

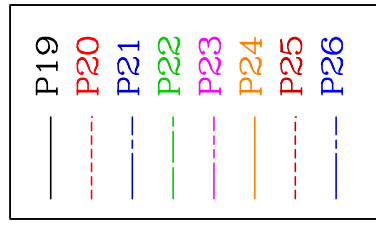
Incident Energy (MeV)

54-Xe-127m

MAT 5435

Elastic
Legendre Coefficients

54-Xe-127m



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



19

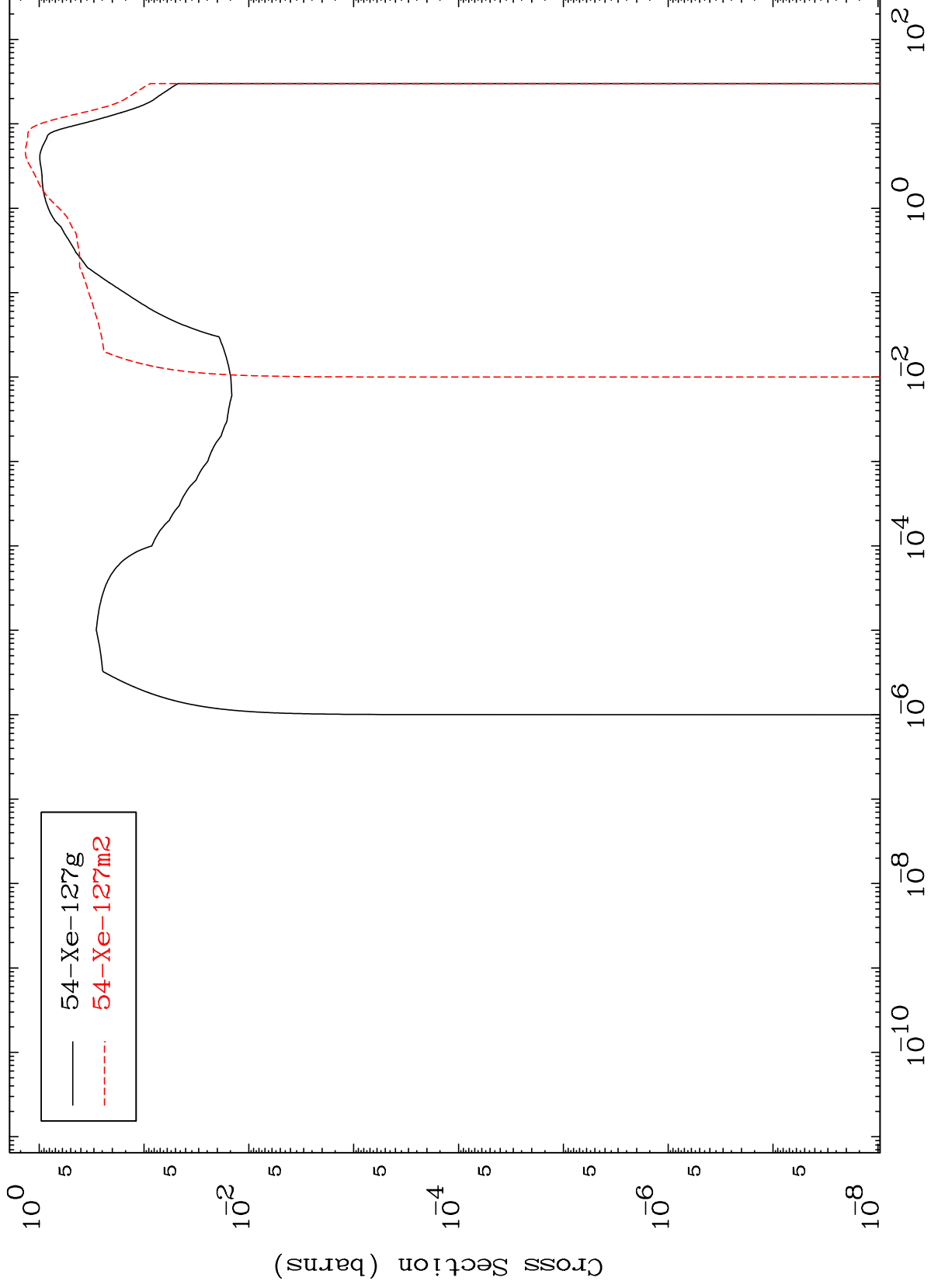
Incident Energy (MeV)

54-Xe-127m

MAT 5435

Inelastic
Radionuclide Production Cross Section

54-Xe-127m



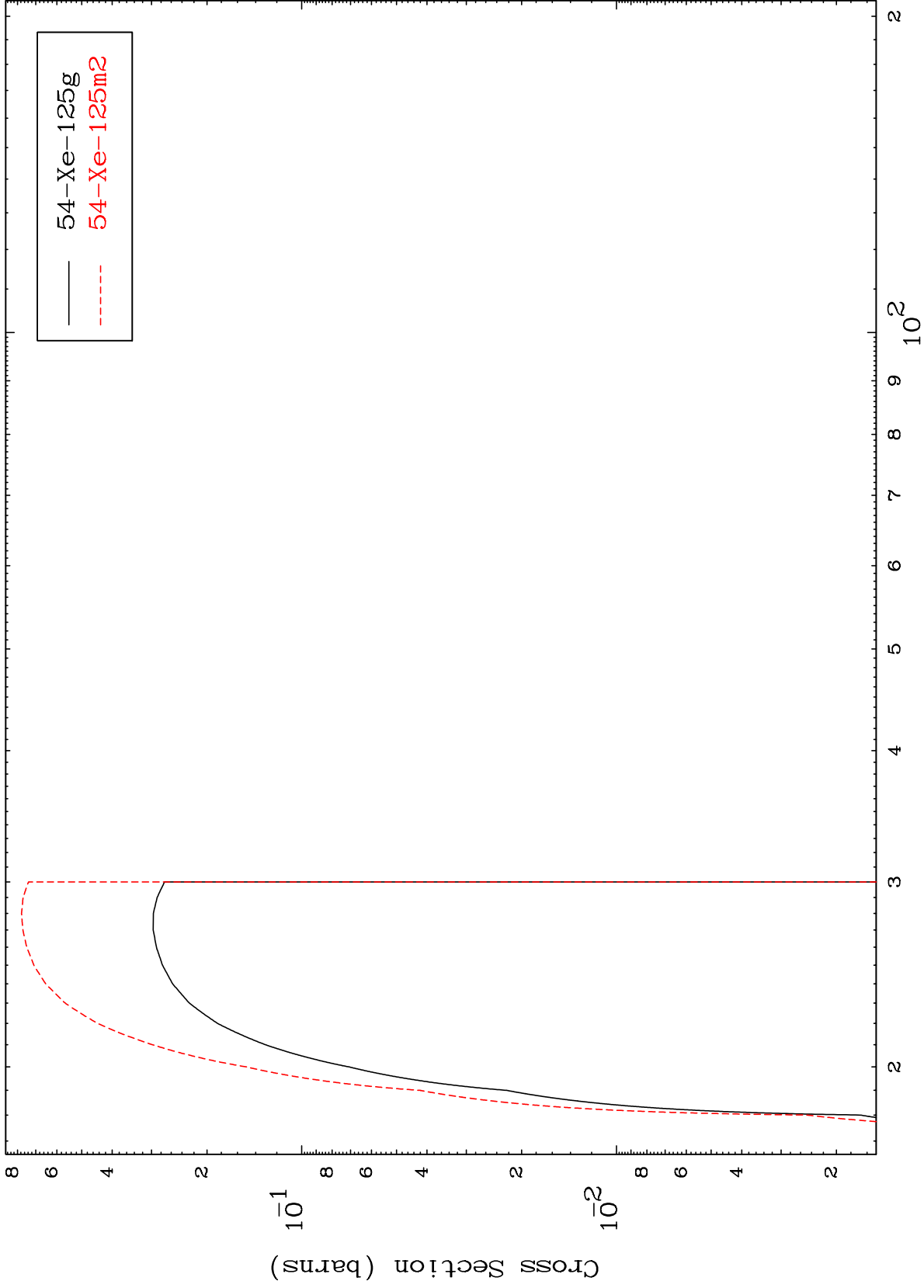
54-Xe-127g
54-Xe-127m2

MAT 5435

(n,3n)

54-Xe-127m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

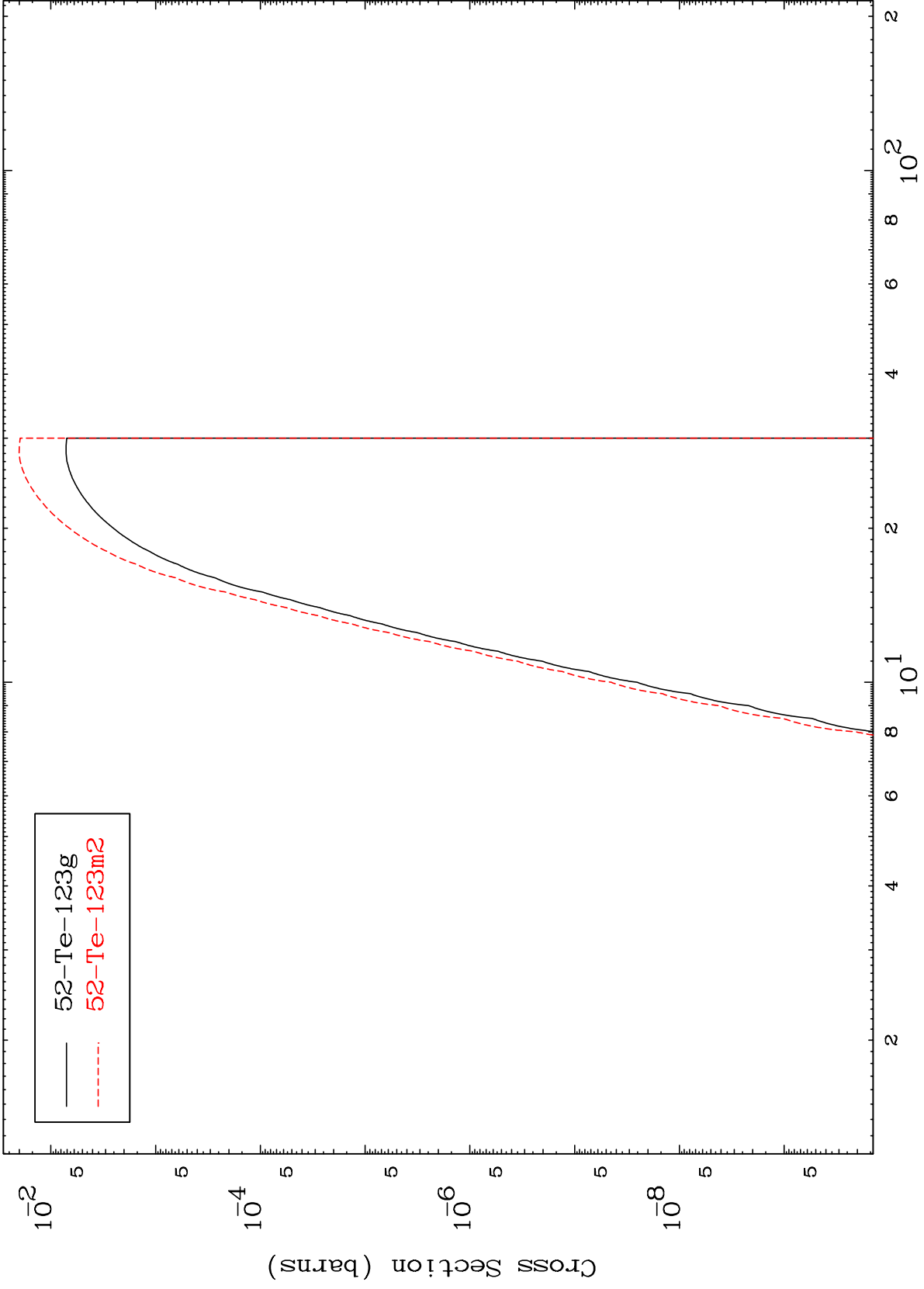
54-Xe-127m

MAT 5435

(n,n') α

54-Xe-127m

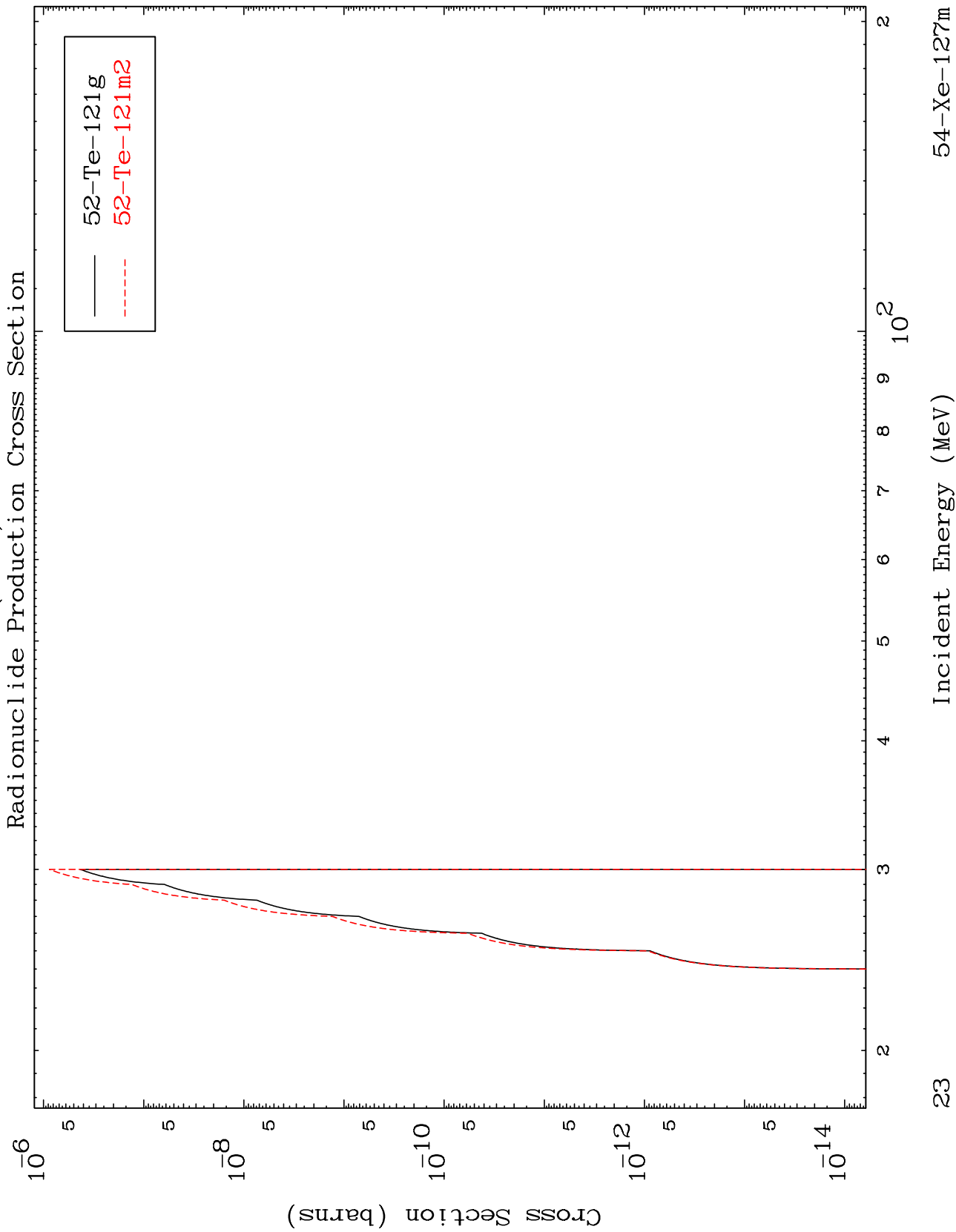
Radionuclide Production Cross Section



MAT 5435

(n,3n) α

54-Xe-127m



23

Incident Energy (MeV)

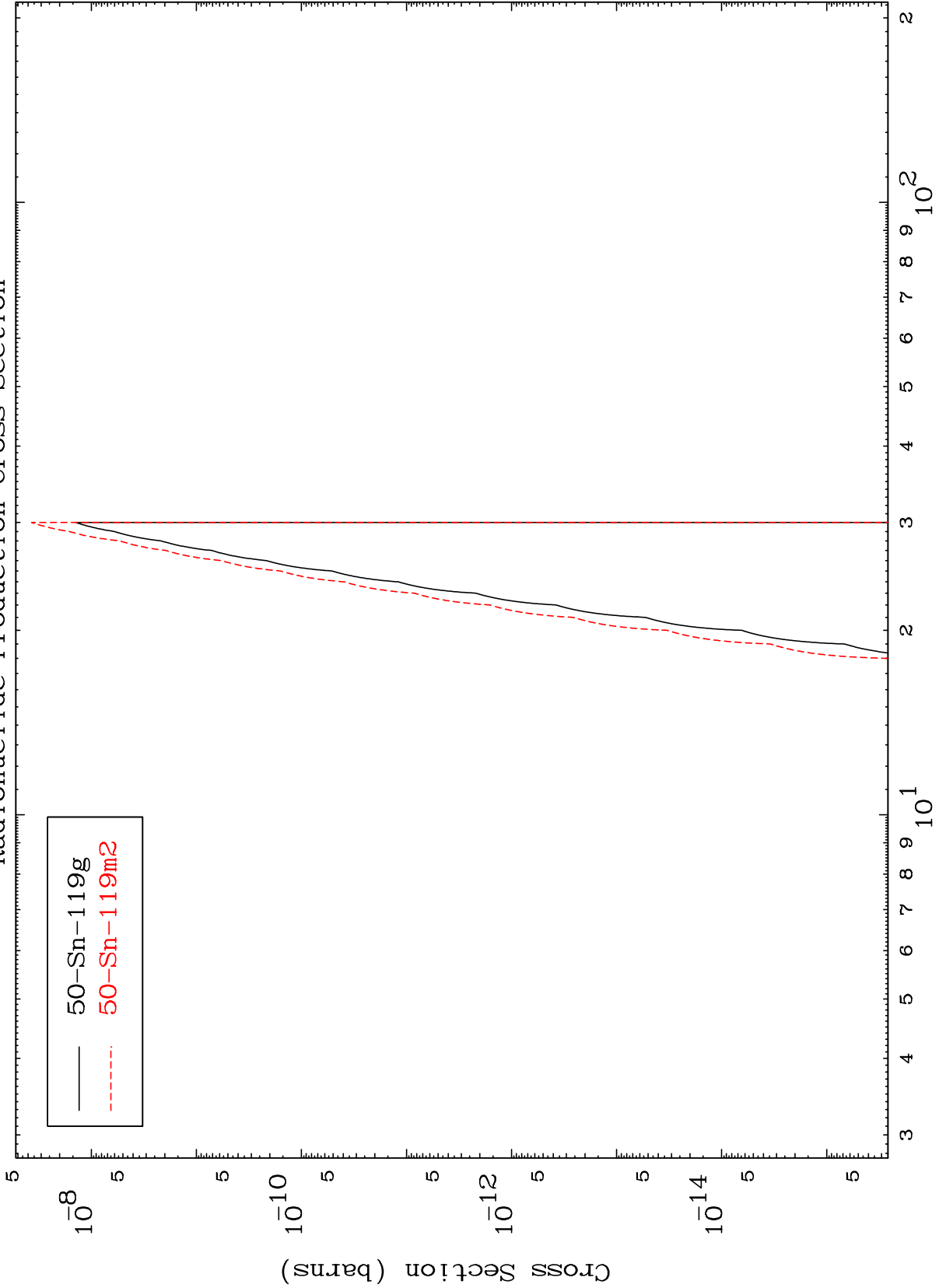
54-Xe-127m

MAT 5435

(n,n') 2α

54-Xe-127m

Radionuclide Production Cross Section



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

24

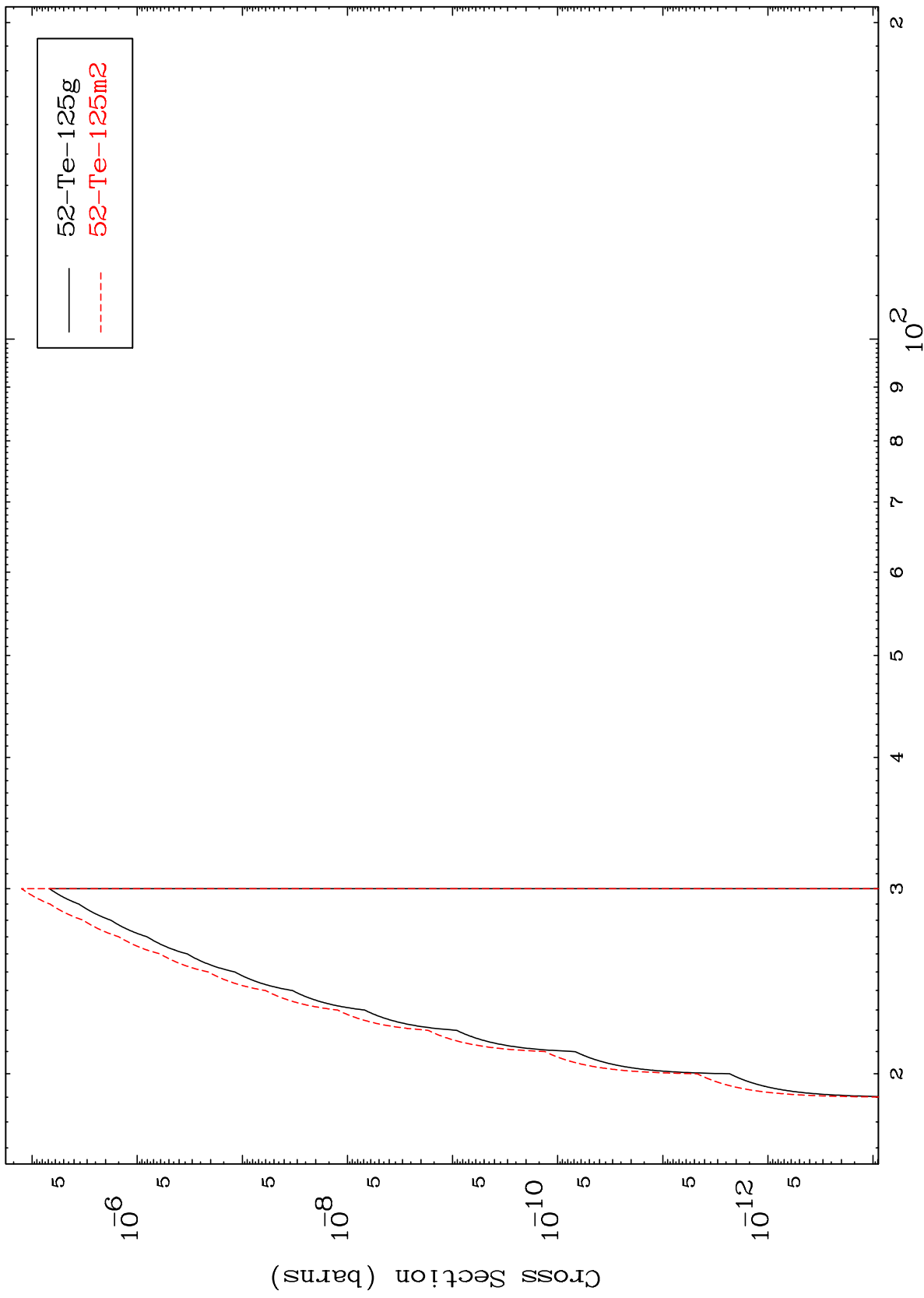
Incident Energy (MeV)

54-Xe-127m

MAT 5435

54-Xe-127m

(n,2n) p
Radionuclide Production Cross Section



25

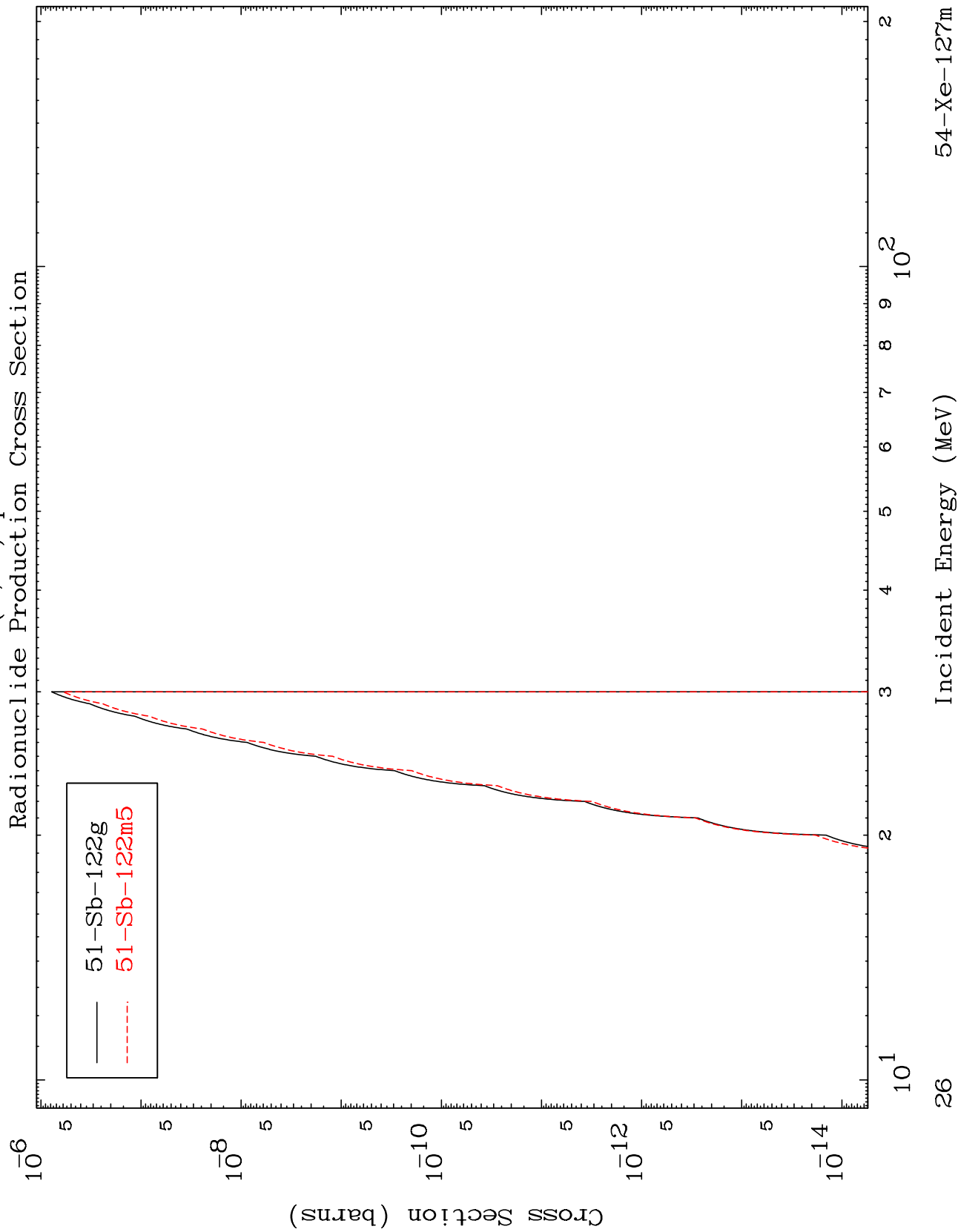
Incident Energy (MeV)

54-Xe-127m

MAT 5435

(n,n') p α

54-Xe-127m



26

Incident Energy (MeV)

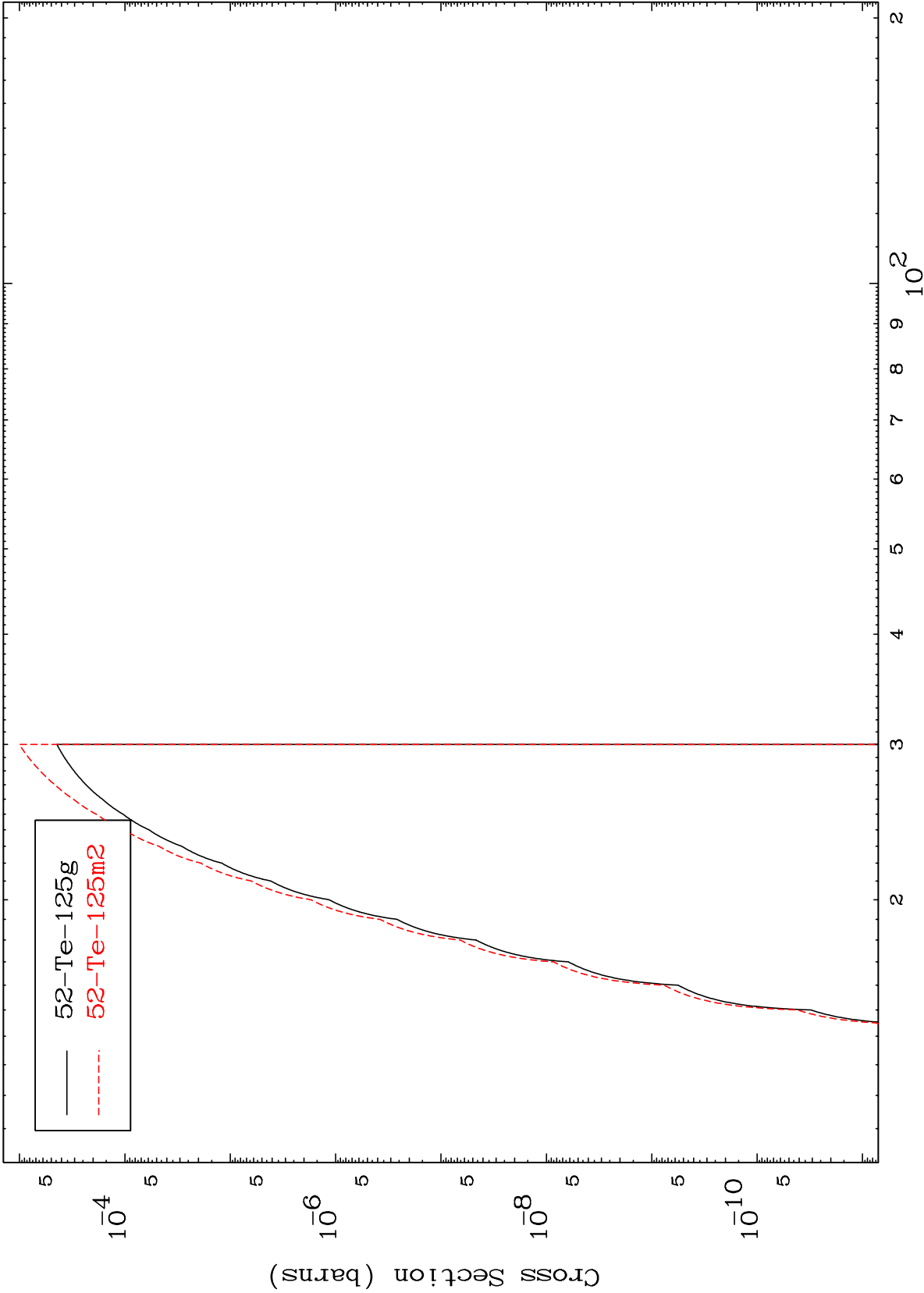
54-Xe-127m

MAT 5435

(n,He-3)

54-Xe-127m

Radionuclide Production Cross Section

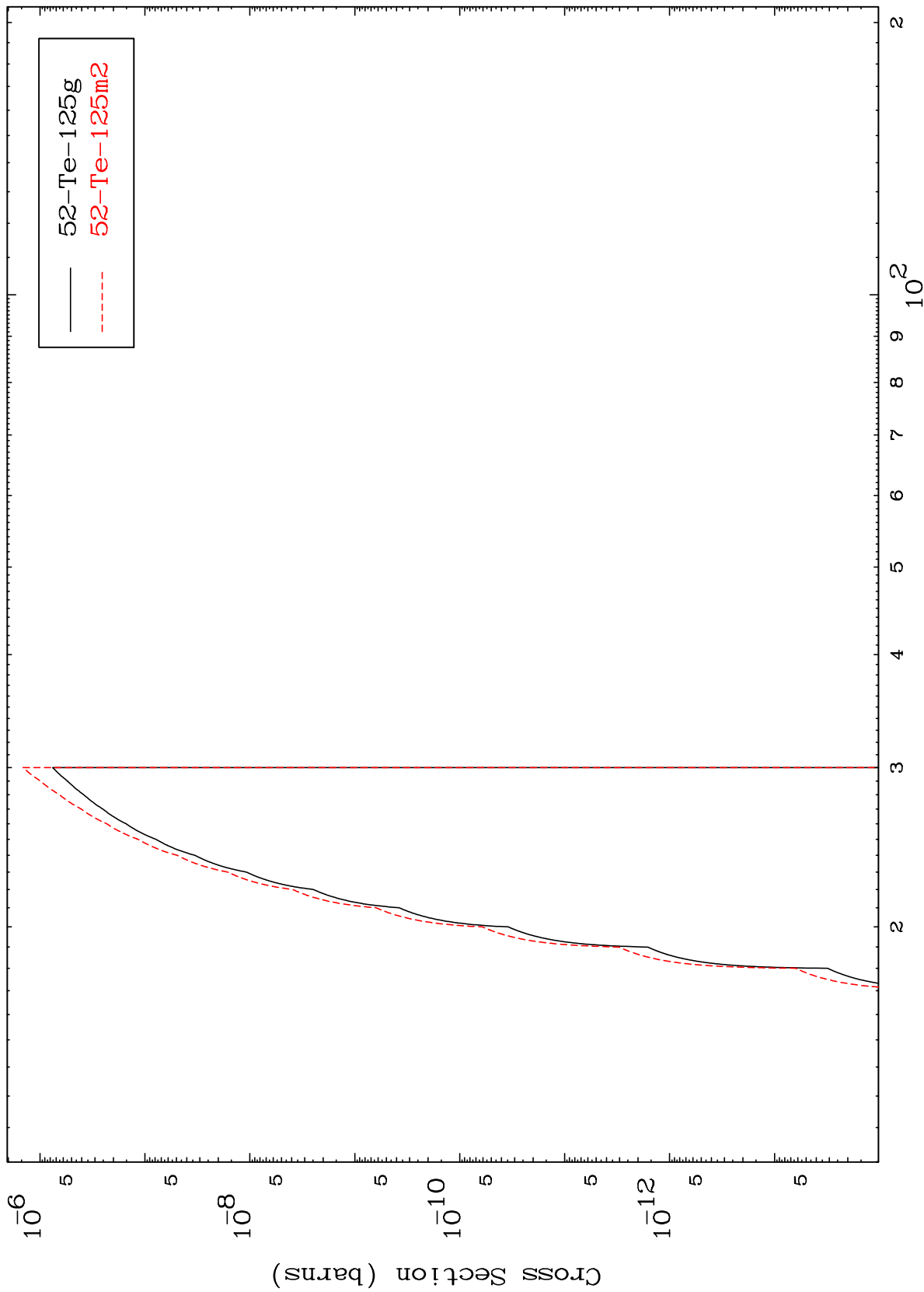


27

Incident Energy (MeV)

54-Xe-127m

Radionuclide Production Cross Section

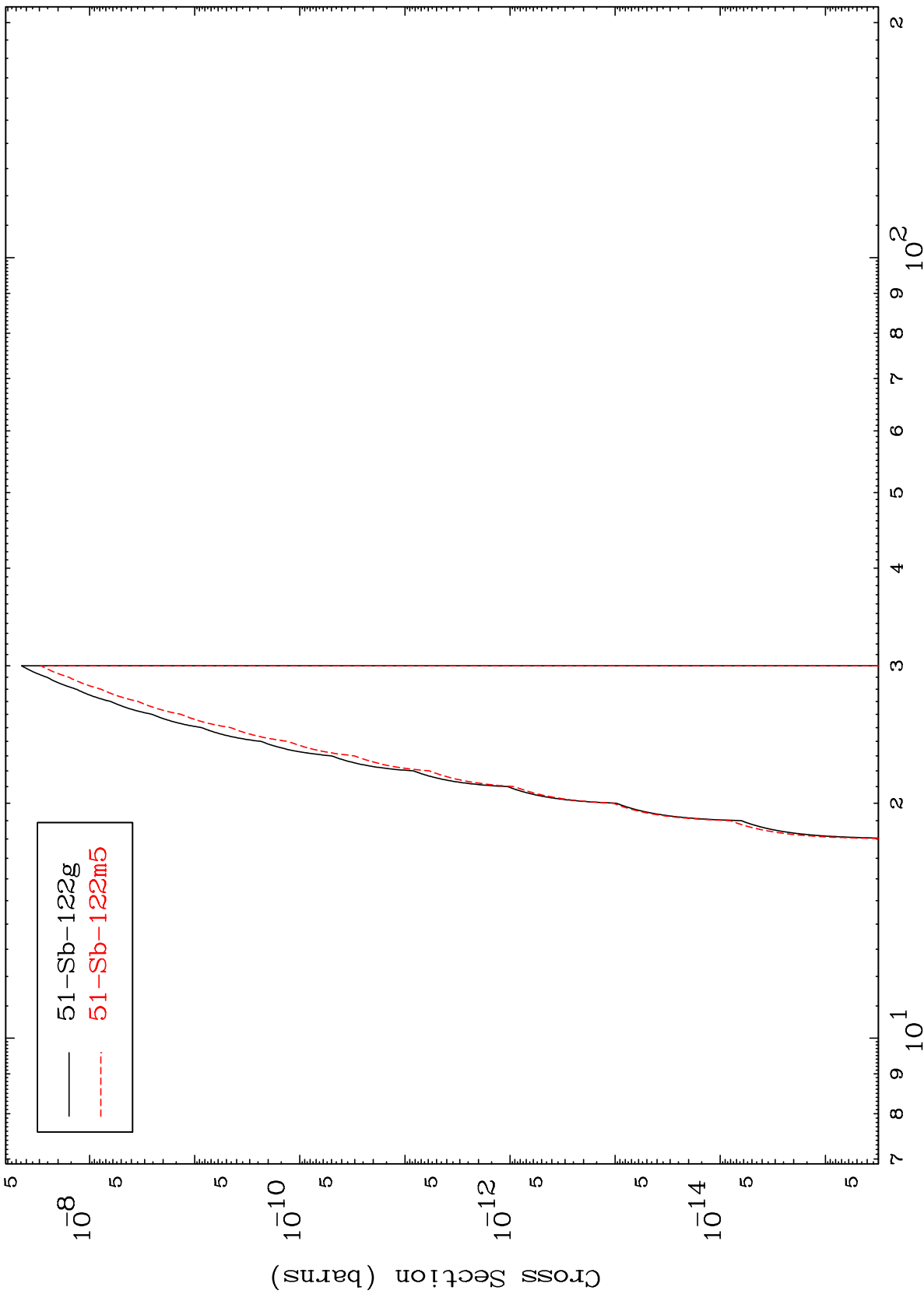


MAT 5435

(n,d) α

54-Xe-127m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

54-Xe-127m