

Program EVALPLOT  
(Version 2021-1)

by

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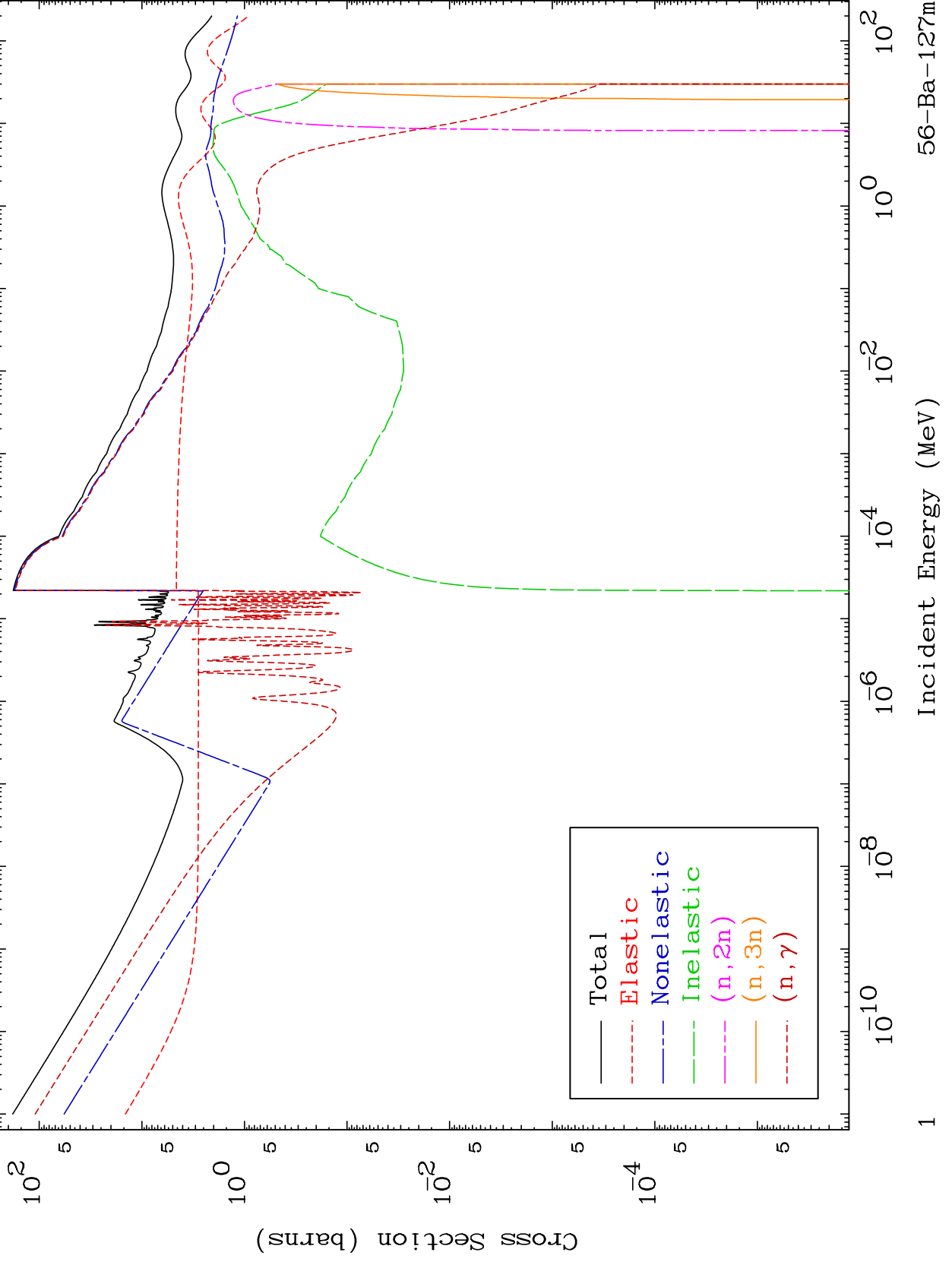
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5617

Neutron Major  
293 Kelvin Cross Sections

56-Ba-127m



MAT 5617

Neutron Absorption  
293 Kelvin Cross Sections

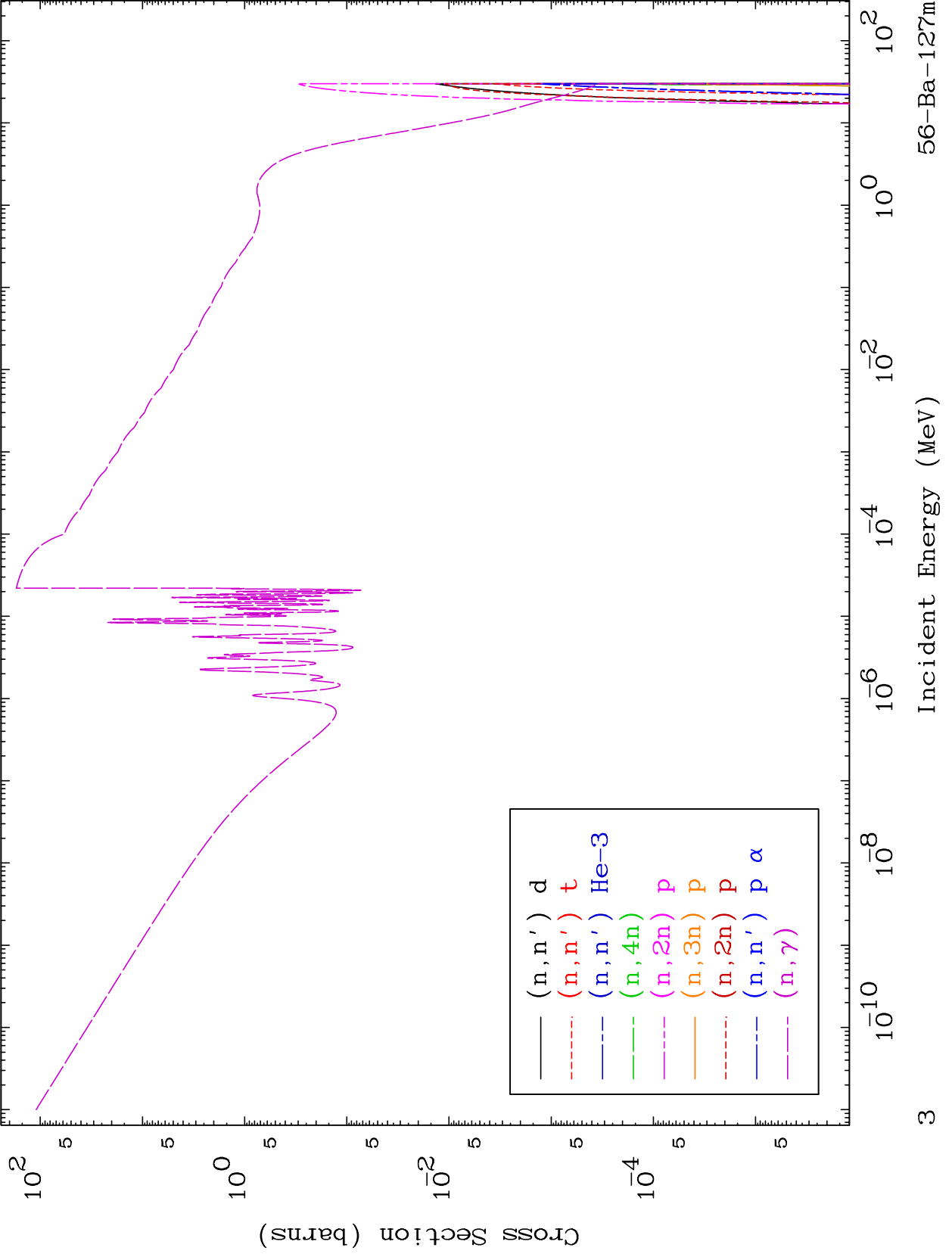
56-Ba-127m



MAT 5617

Neutron Absorption  
293 Kelvin Cross Sections

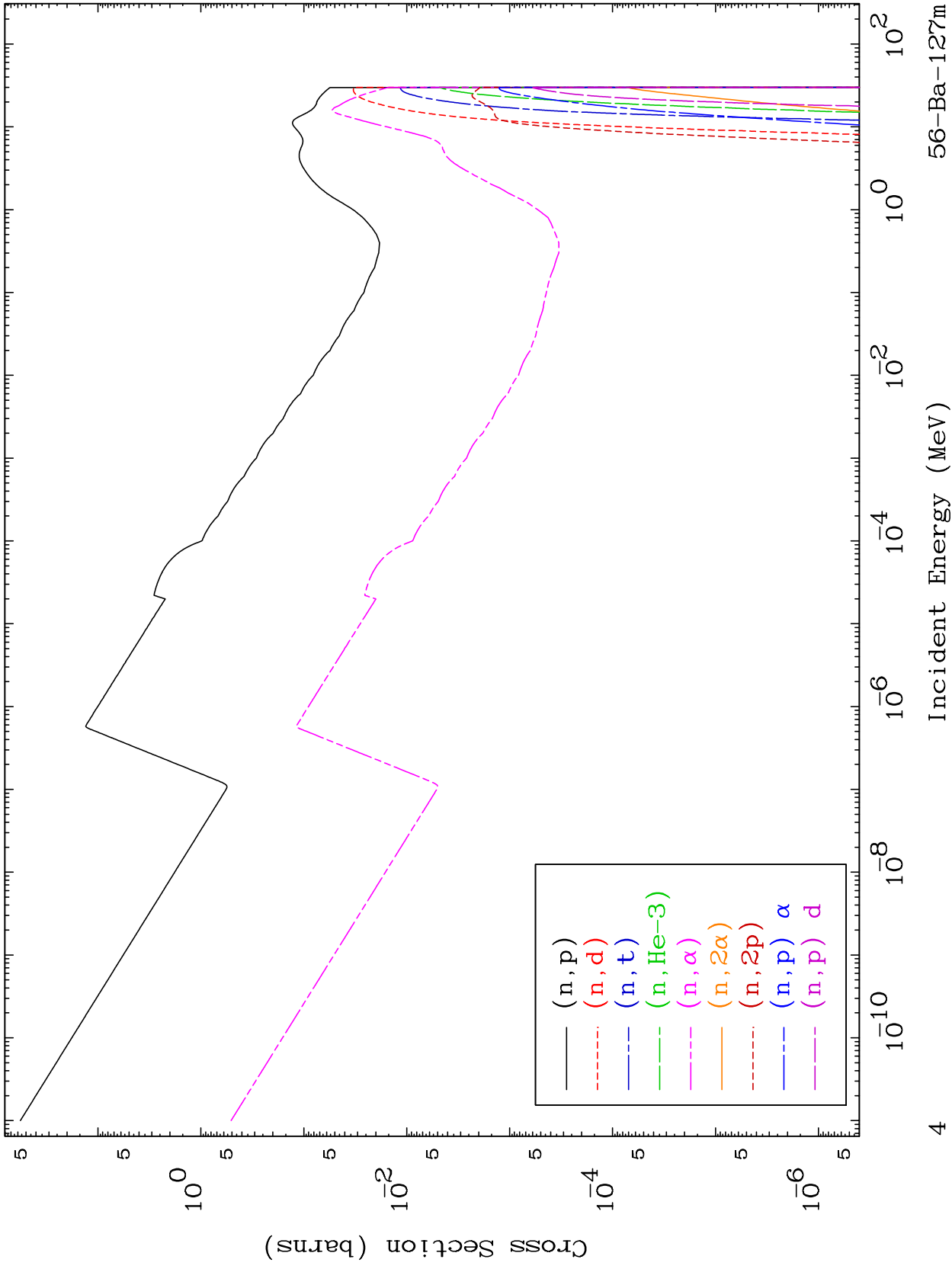
56-Ba-127m



MAT 5617

Neutron Absorption  
293 Kelvin Cross Sections

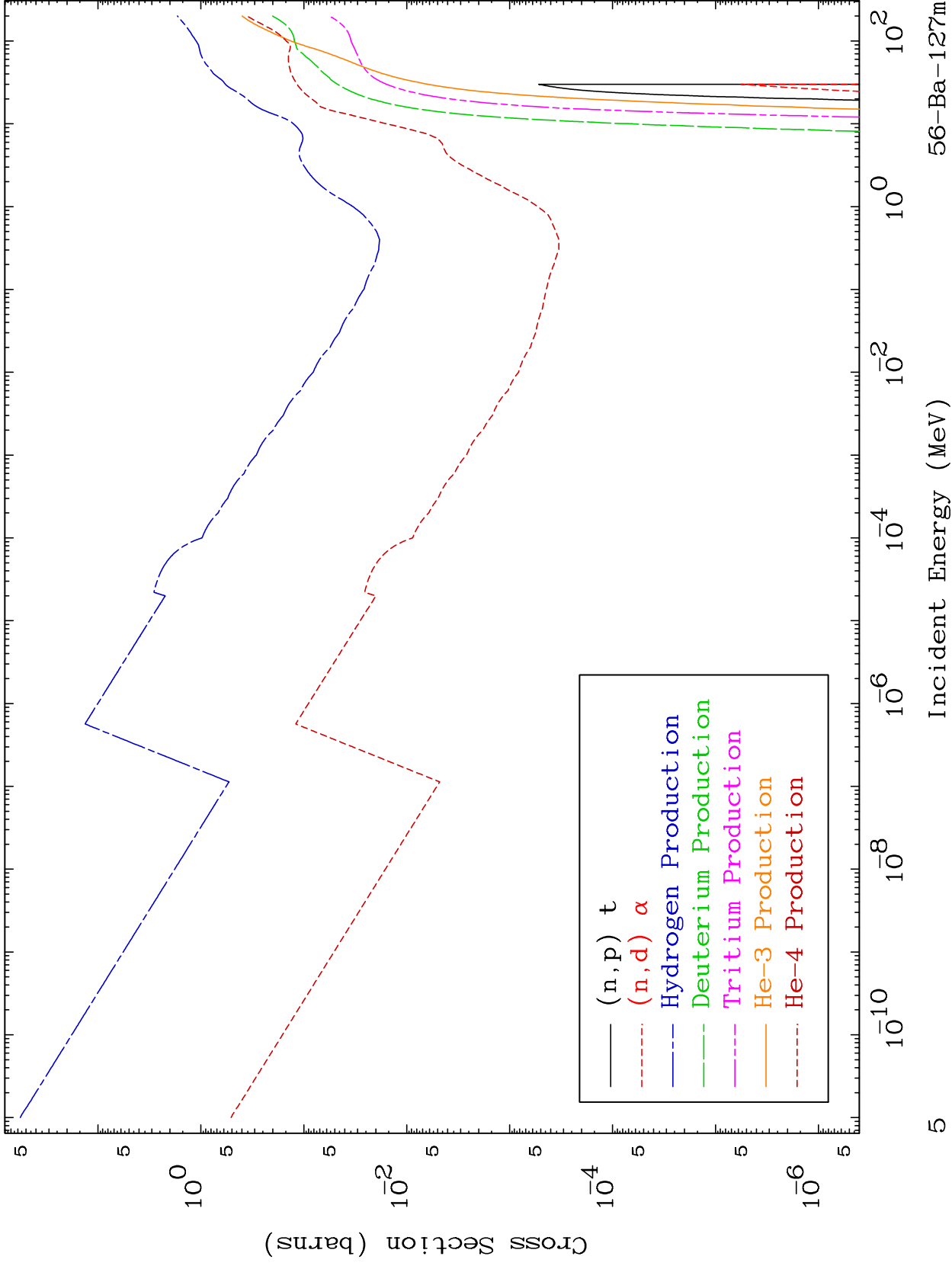
56-Ba-127m



MAT 5617

Neutron Absorption  
293 Kelvin Cross Sections

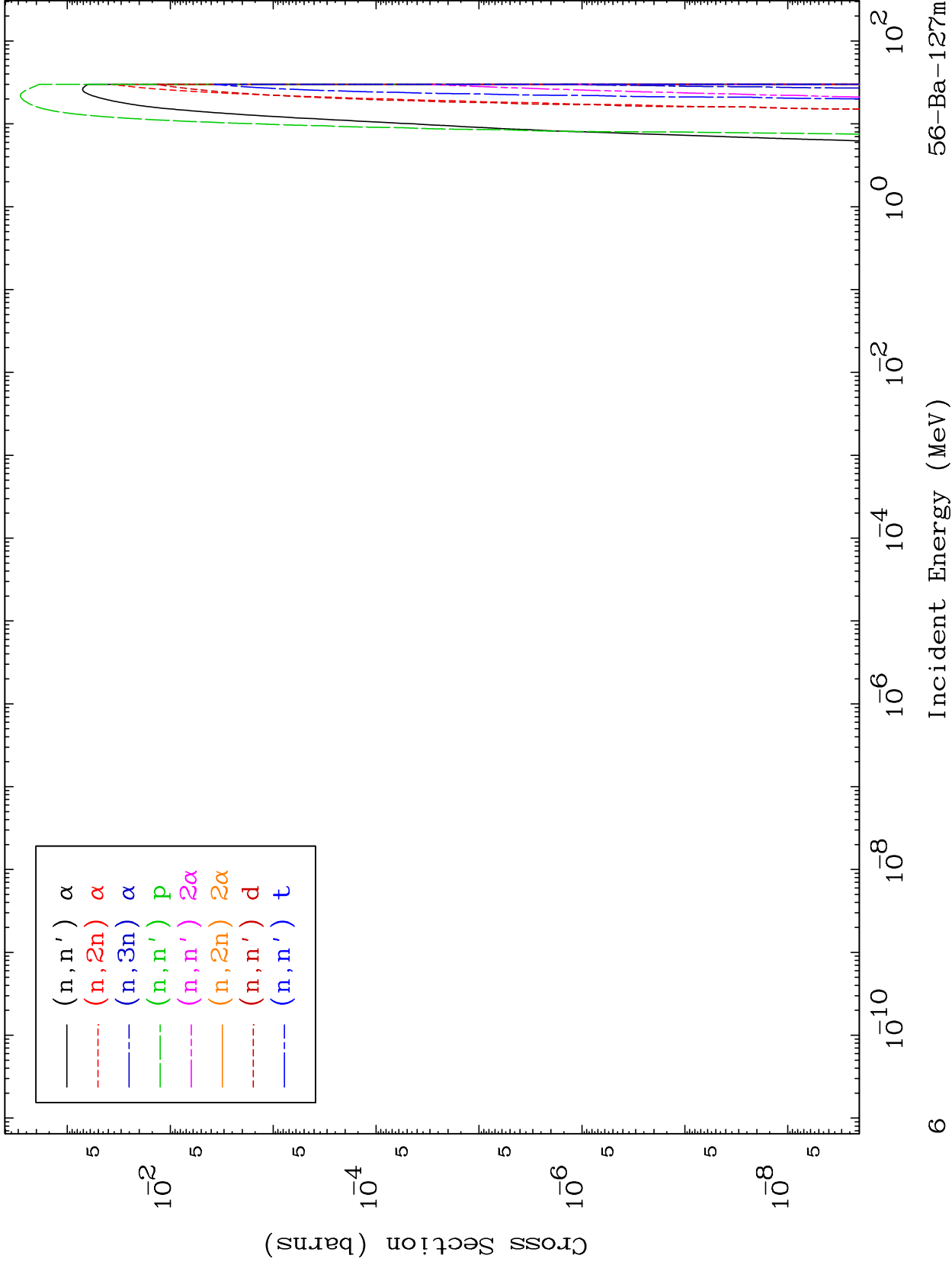
56-Ba-127m



MAT 5617

Charged Particle  
293 Kelvin Cross Sections

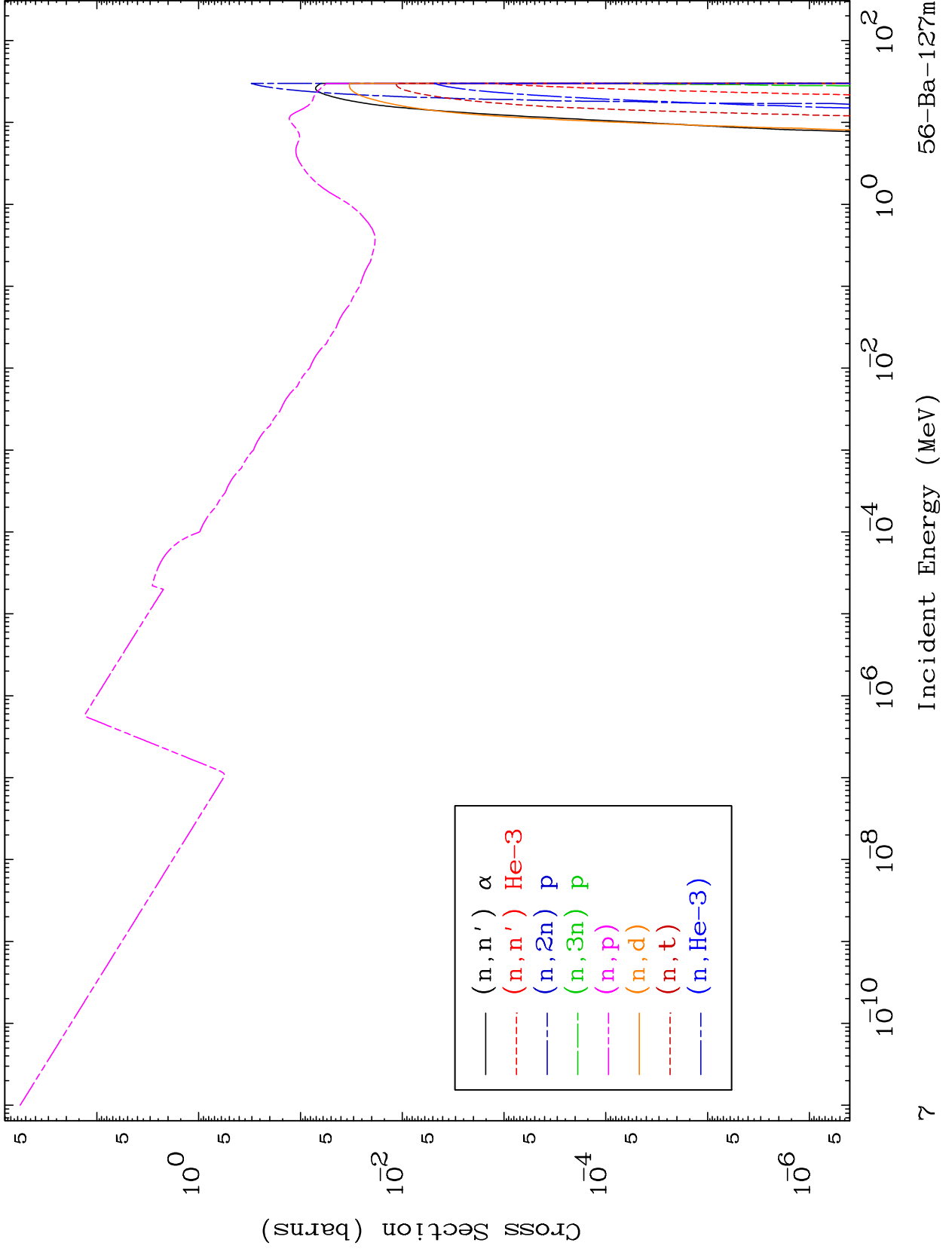
56-Ba-127m



MAT 5617

Charged Particle  
293 Kelvin Cross Sections

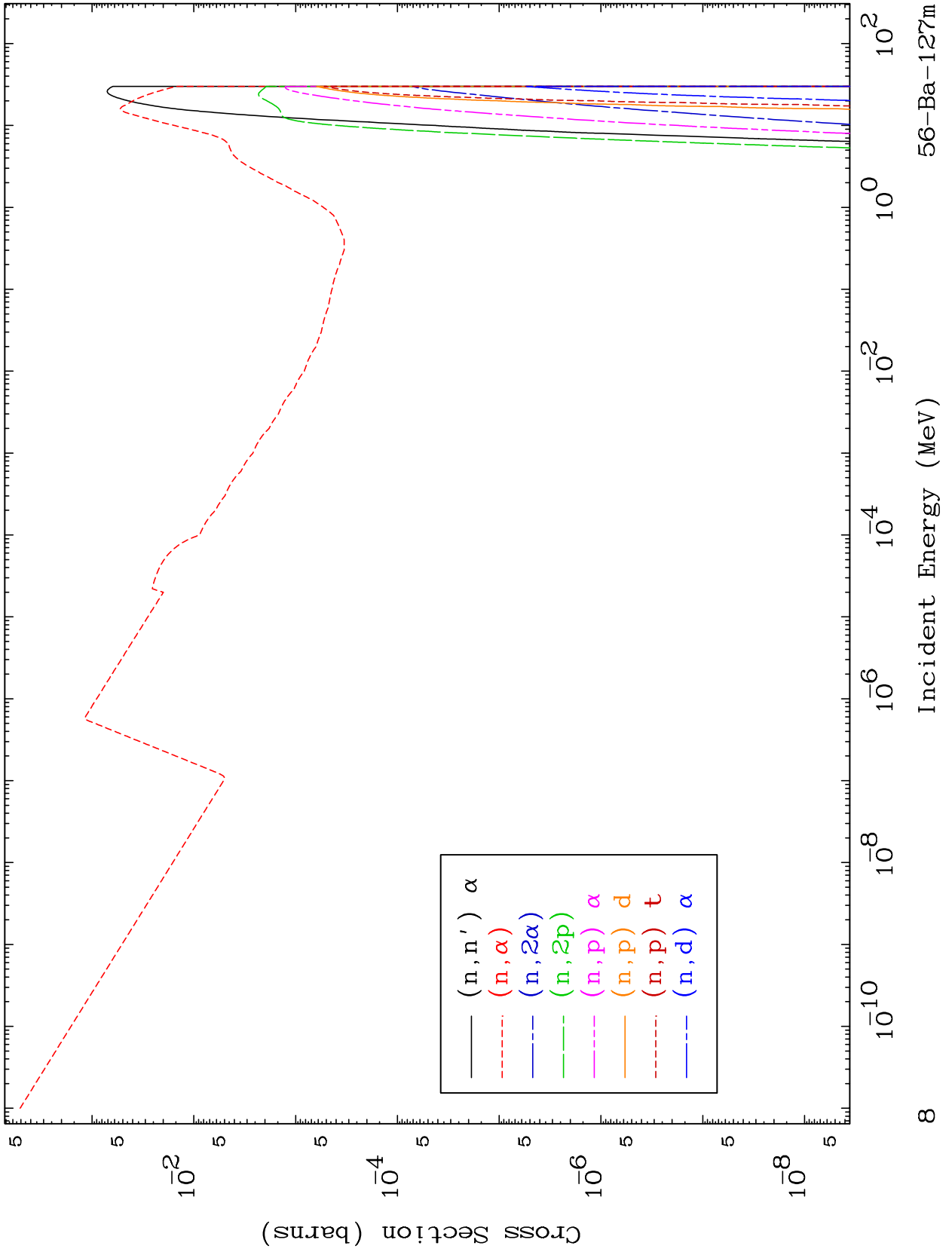
56-Ba-127m



MAT 5617

Charged Particle  
293 Kelvin Cross Sections

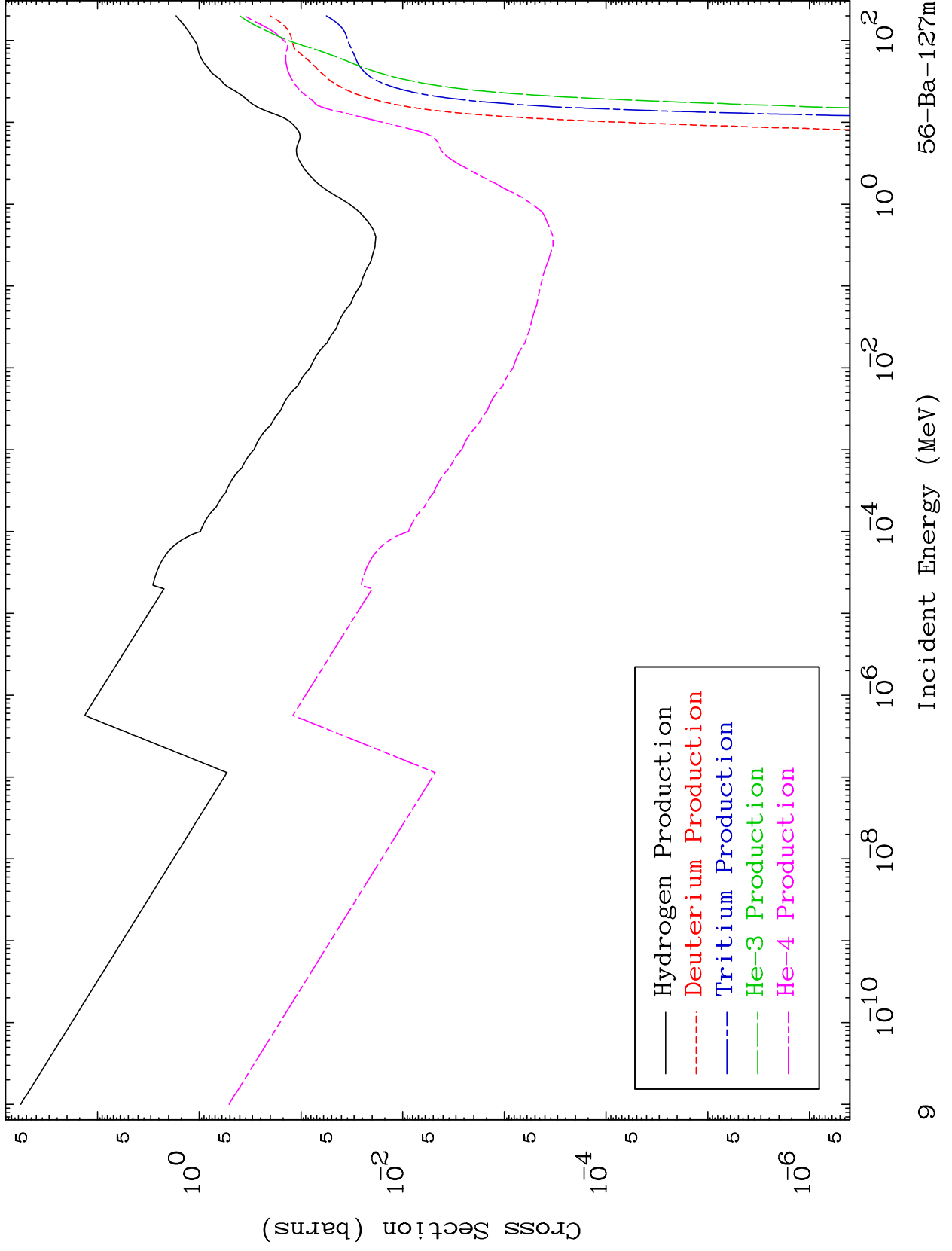
56-Ba-127m



MAT 5617

Particle Production  
293 Kelvin Cross Sections

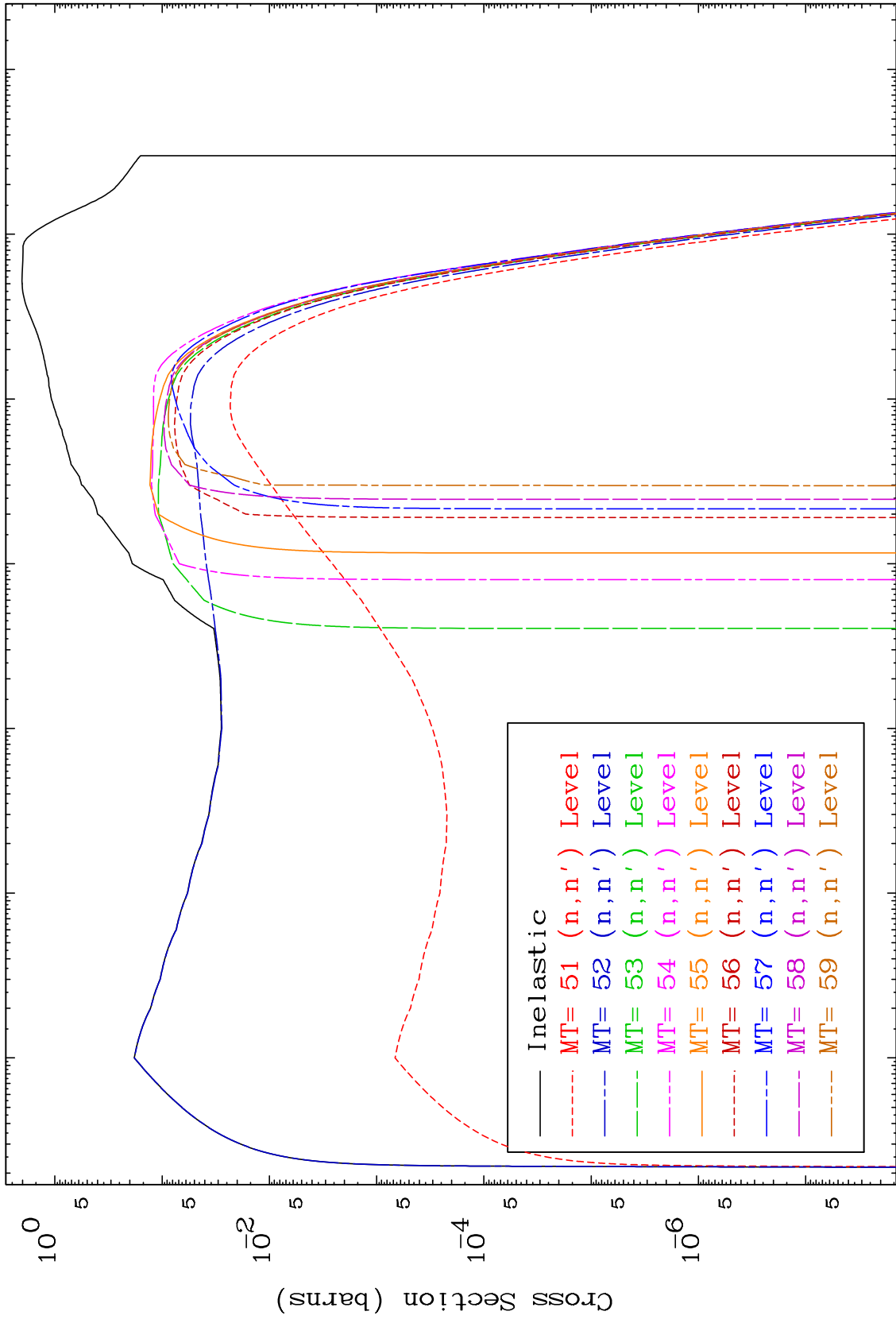
56-Ba-127m



MAT 5617

(n,n') Levels  
293 Kelvin Cross Sections

56-Ba-127m



10

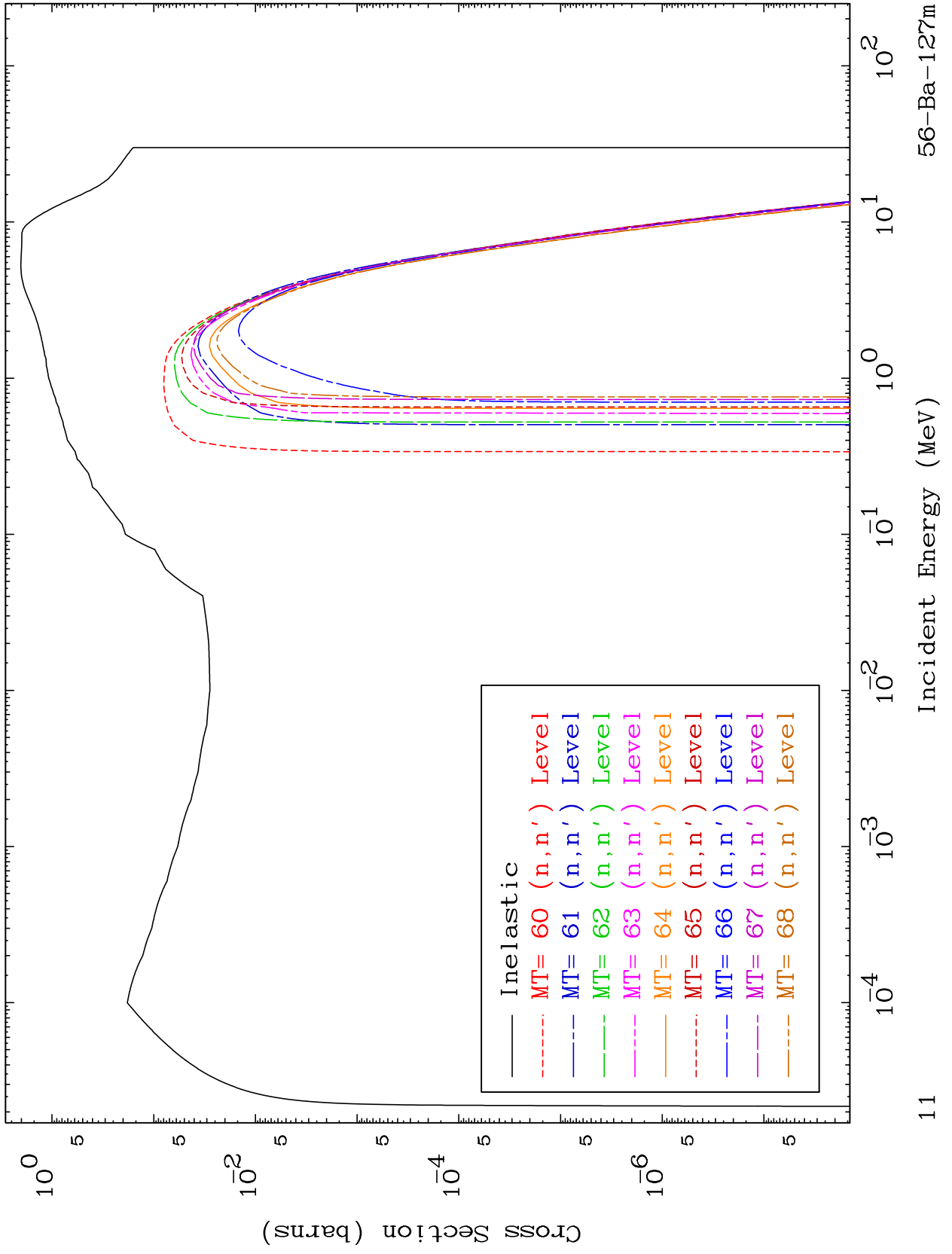
Incident Energy (MeV)

56-Ba-127m

MAT 5617

(n,n') Levels  
293 Kelvin Cross Sections

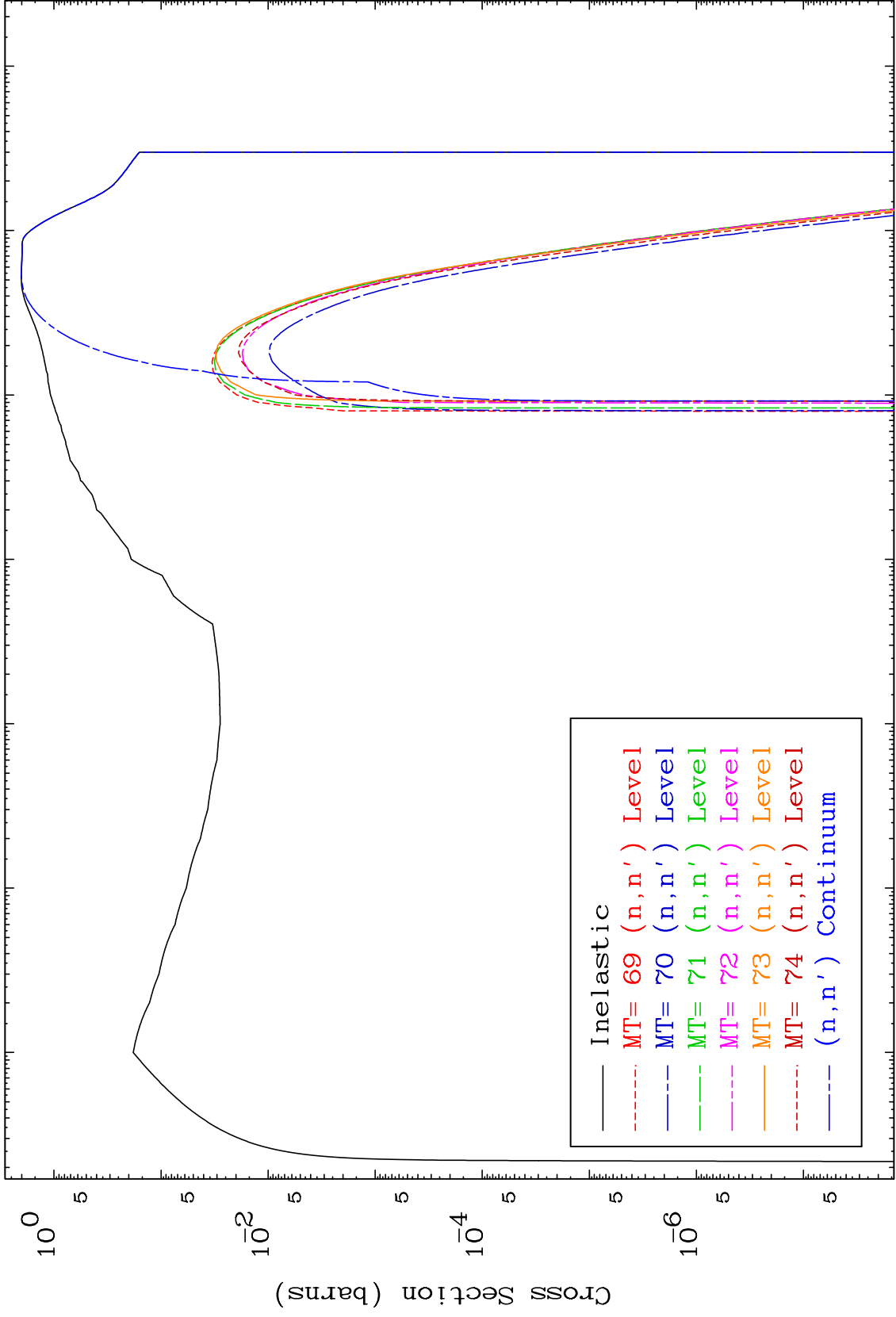
56-Ba-127m



MAT 5617

(n,n') Levels  
293 Kelvin Cross Sections

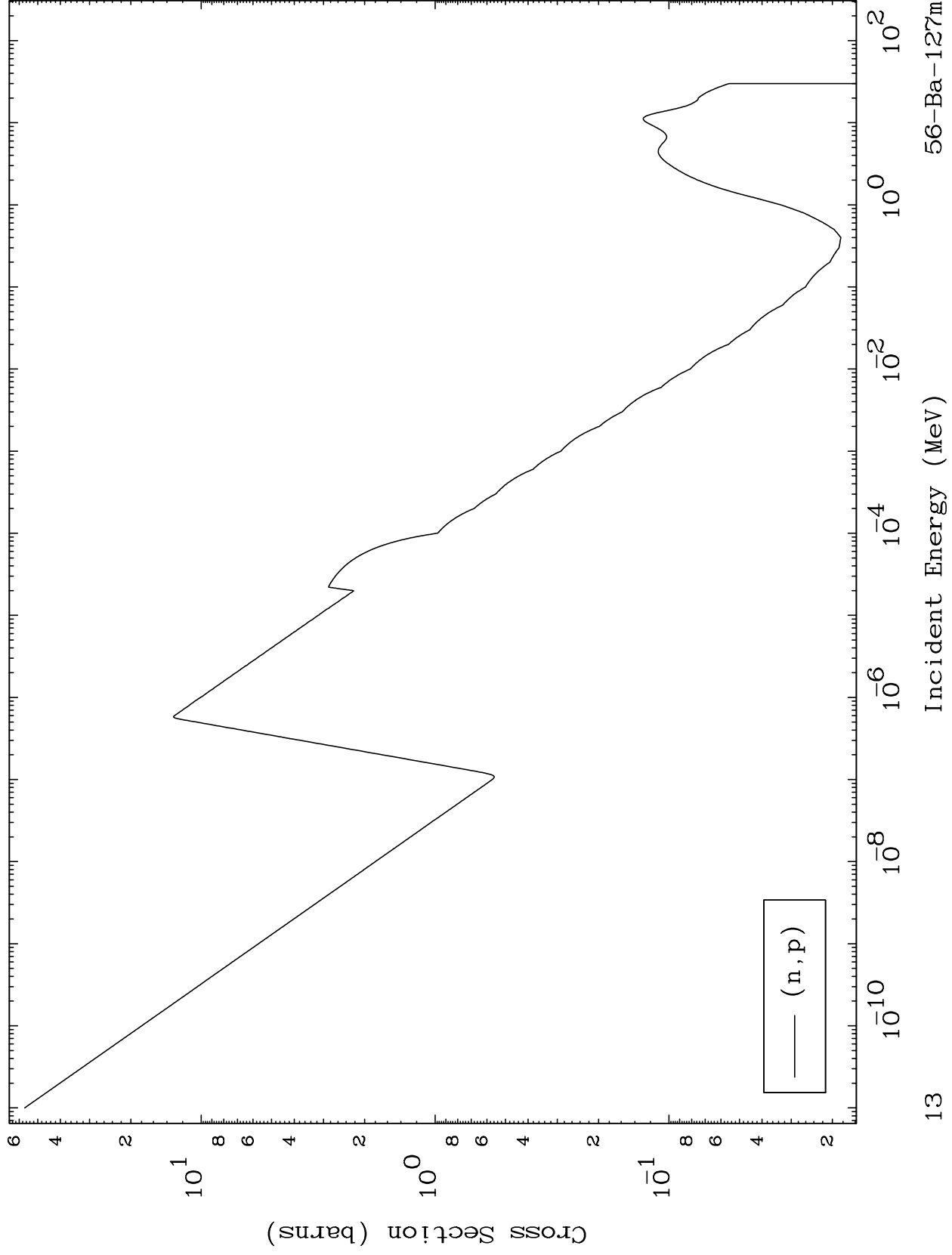
56-Ba-127m



MAT 5617

(n,p) Levels  
293 Kelvin Cross Sections

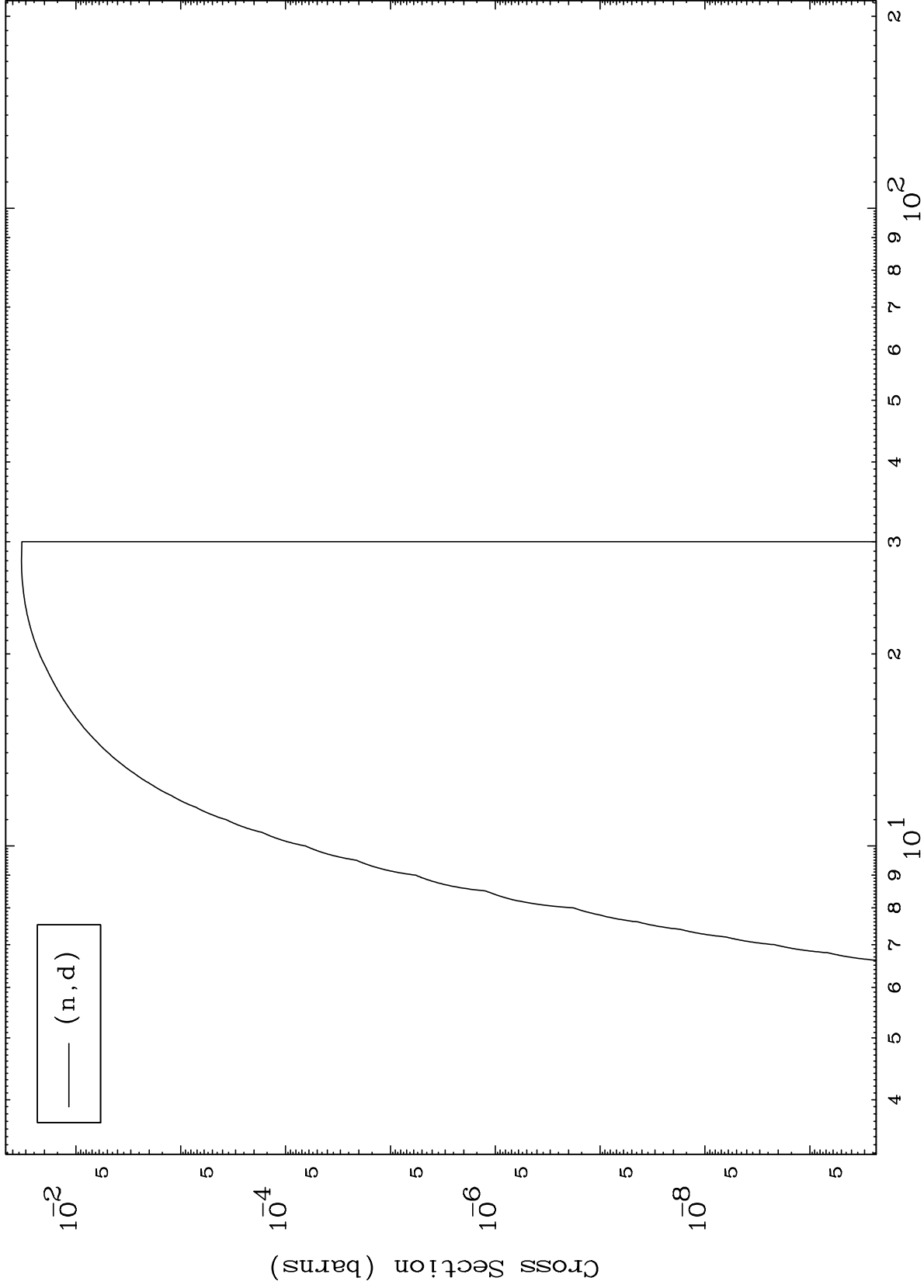
56-Ba-127m



MAT 5617

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-127m



14

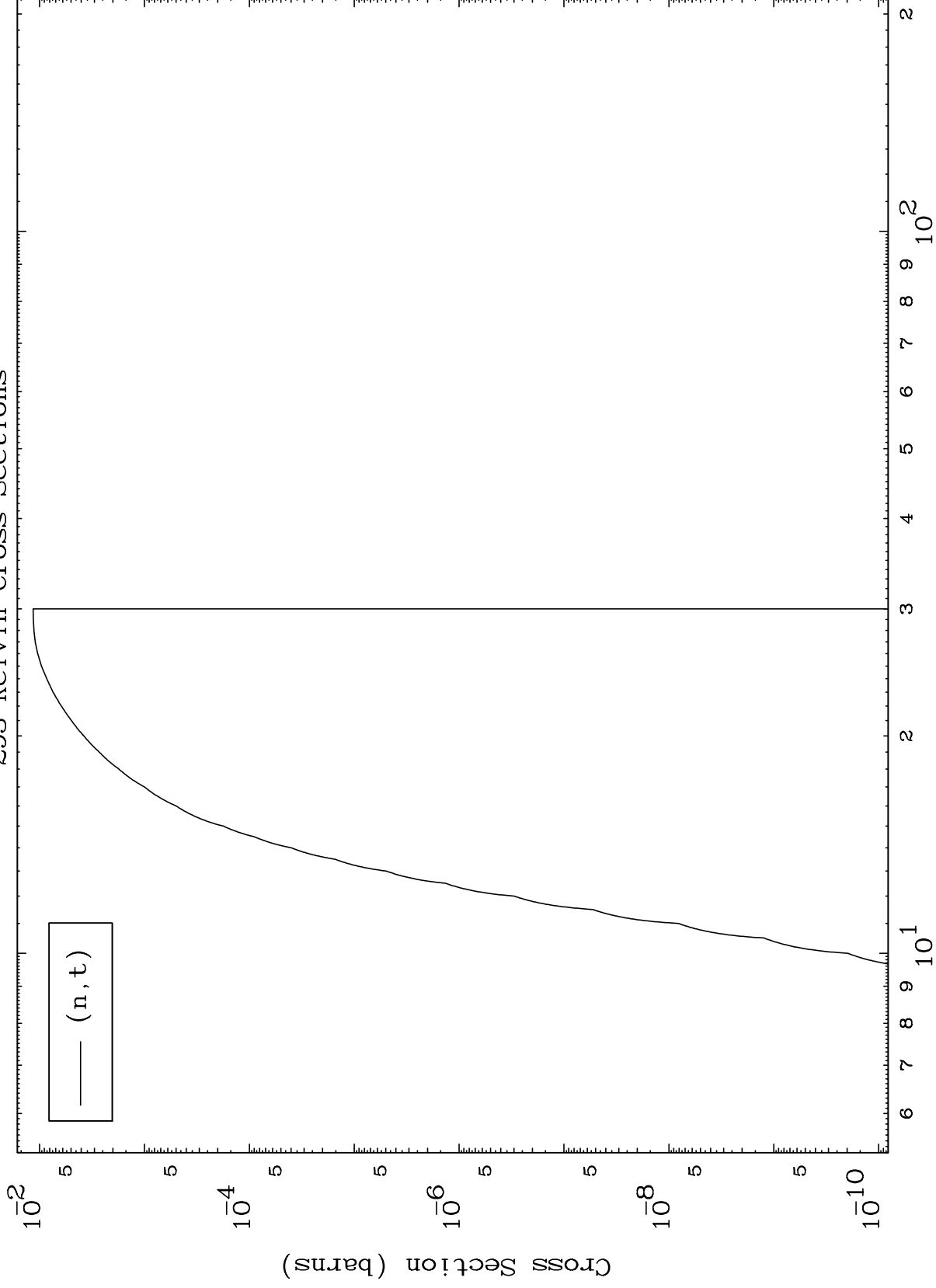
Incident Energy (MeV)

56-Ba-127m

MAT 5617

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-127m



15

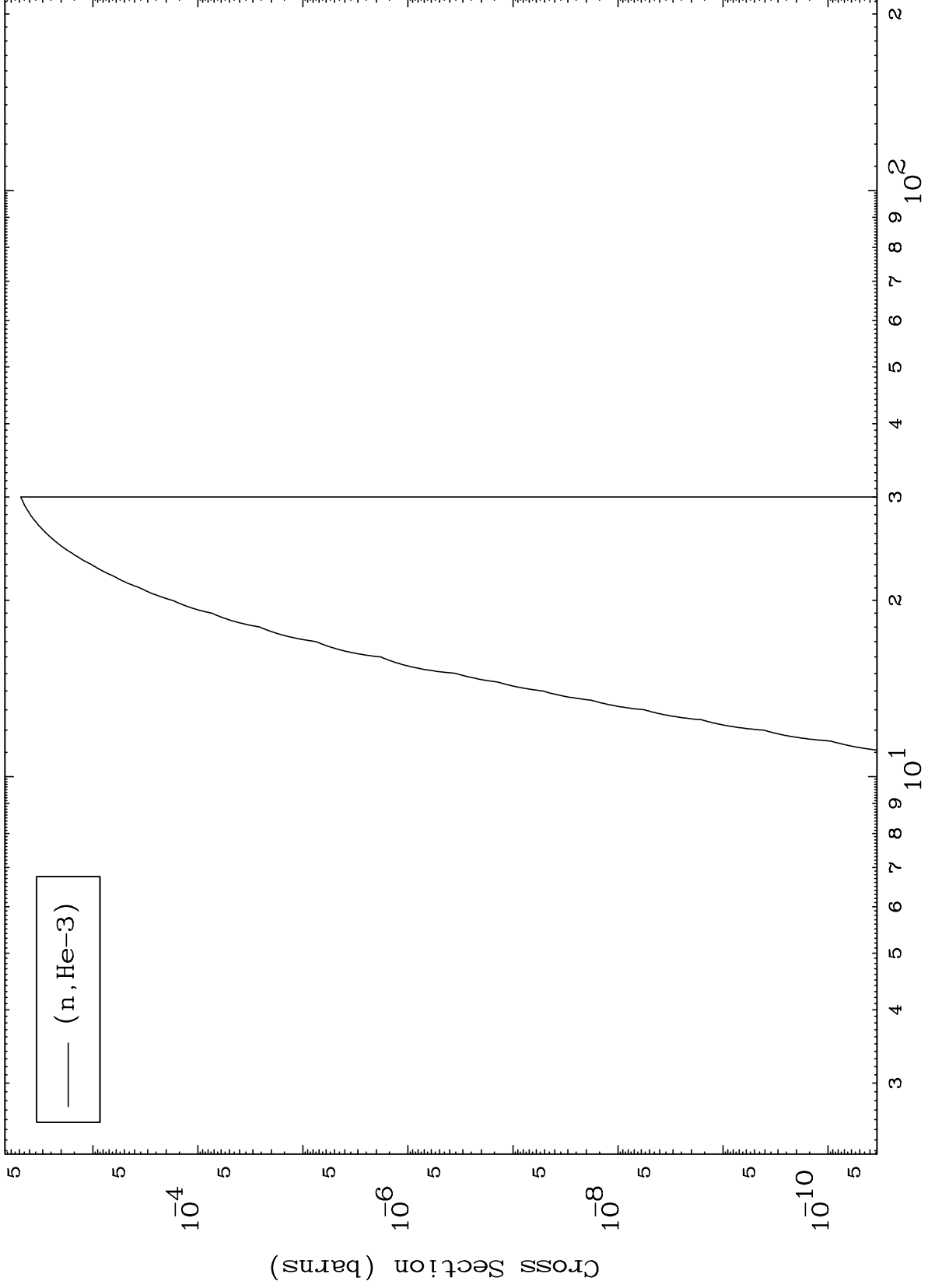
Incident Energy (MeV)

56-Ba-127m

MAT 5617

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-127m



16

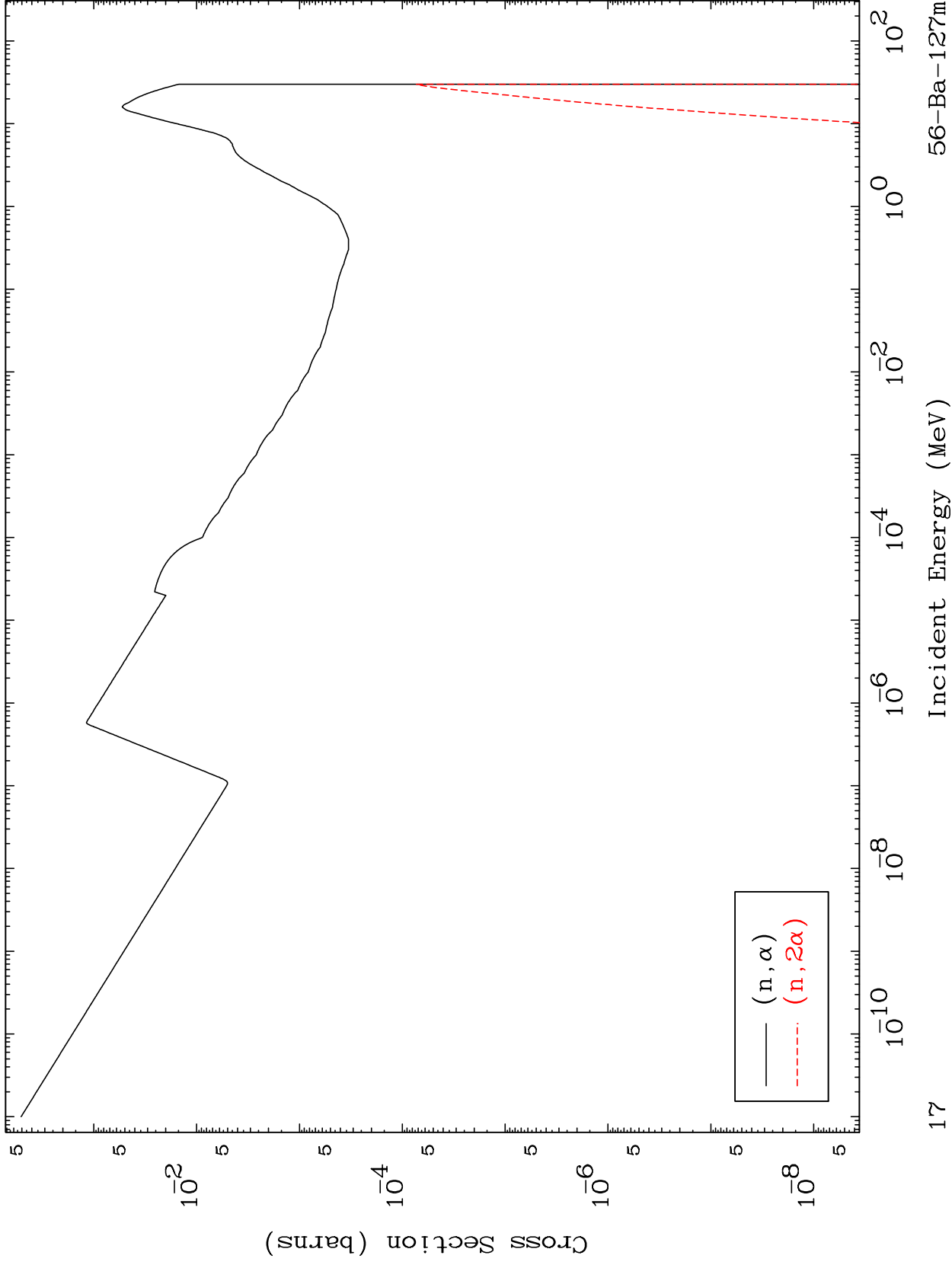
Incident Energy (MeV)

56-Ba-127m

MAT 5617

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

56-Ba-127m



MAT 5617

Elastic Legendre Coefficients

56-Ba-127m



18

Incident Energy (MeV)

56-Ba-127m

30

20

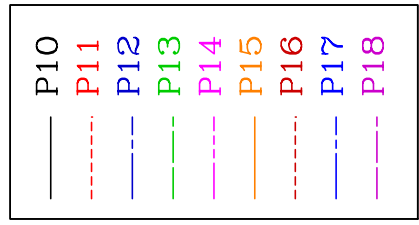
10

0

MAT 5617

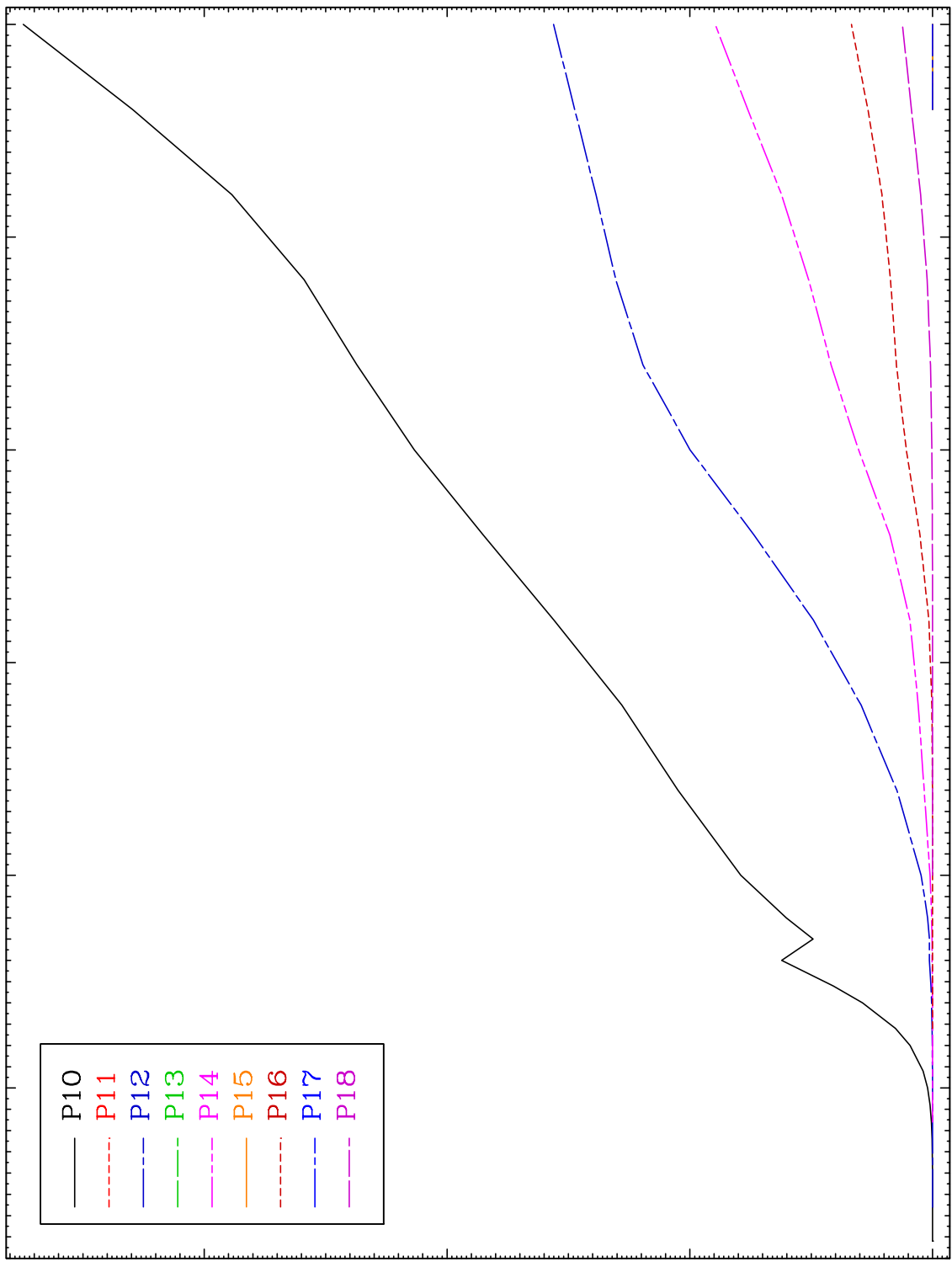
Elastic Legendre Coefficients

56-Ba-127m



$\times 10^{-4}$

Legendre (CM)



19

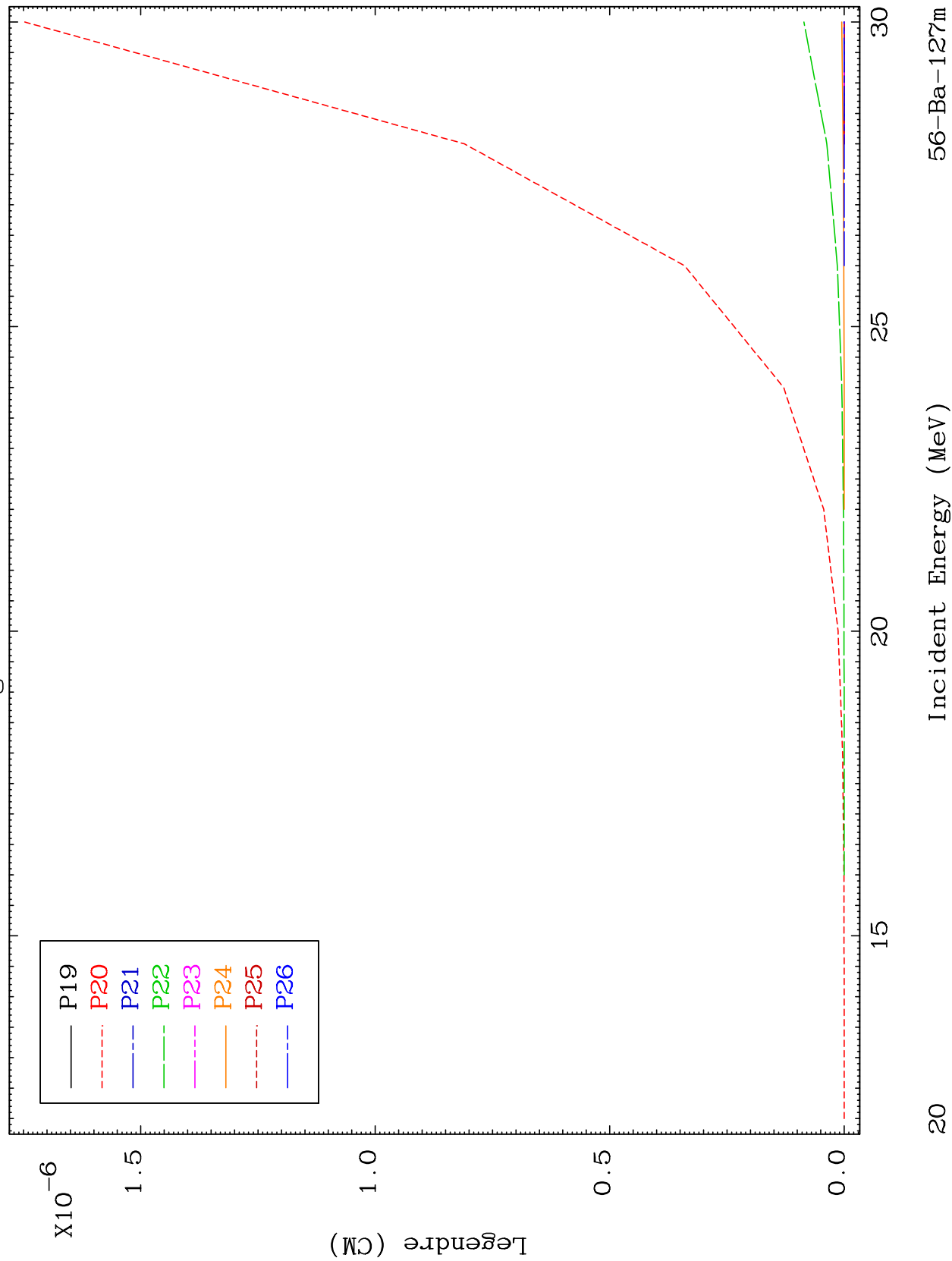
Incident Energy (MeV)

56-Ba-127m

MAT 5617

Elastic Legendre Coefficients

56-Ba-127m



20

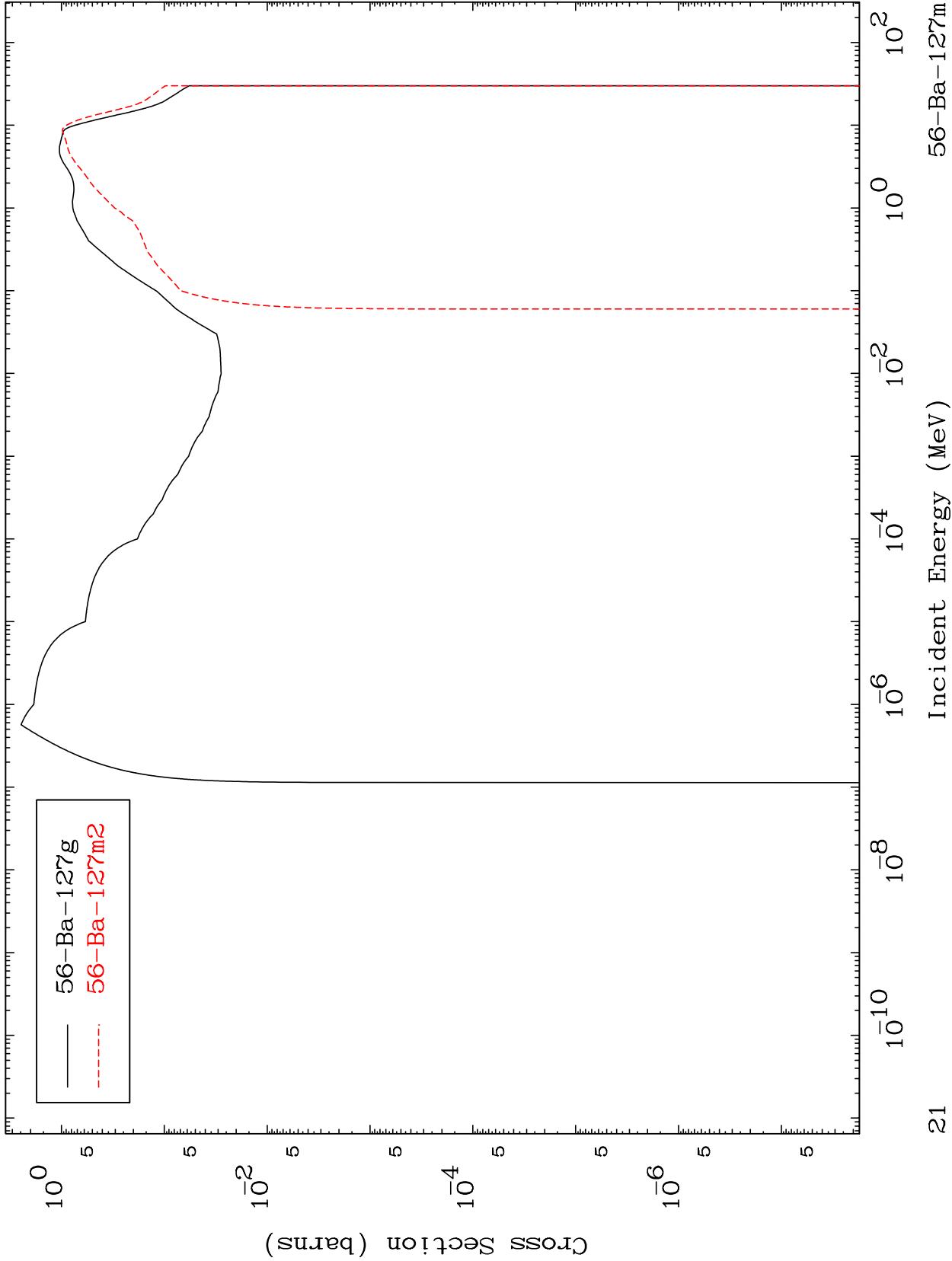
Incident Energy (MeV)

56-Ba-127m

MAT 5617

Inelastic  
Radionuclide Production Cross Section

56-Ba-127m

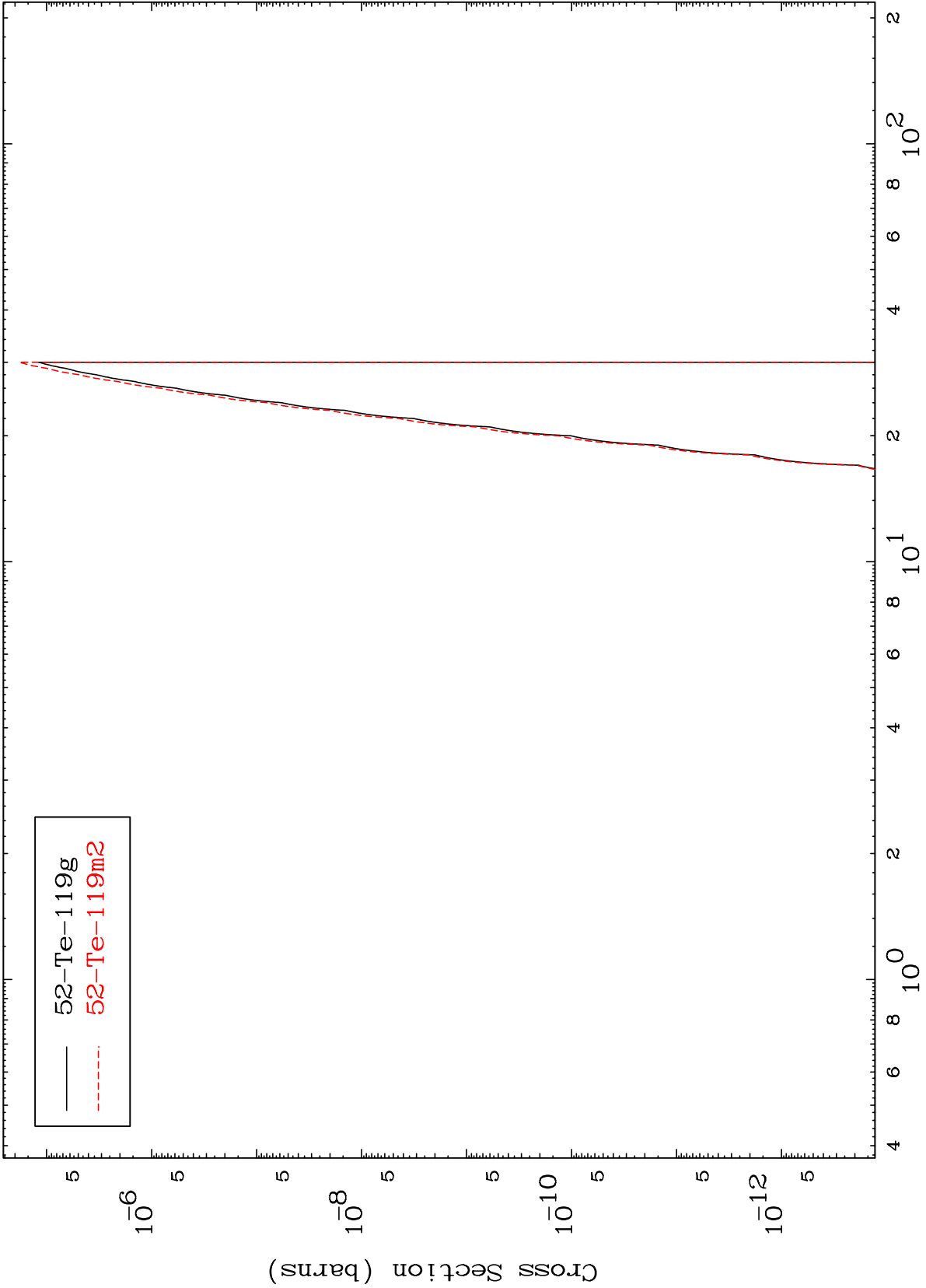


MAT 5617

(n,n') 2α

56-Ba-127m

Radionuclide Production Cross Section



22

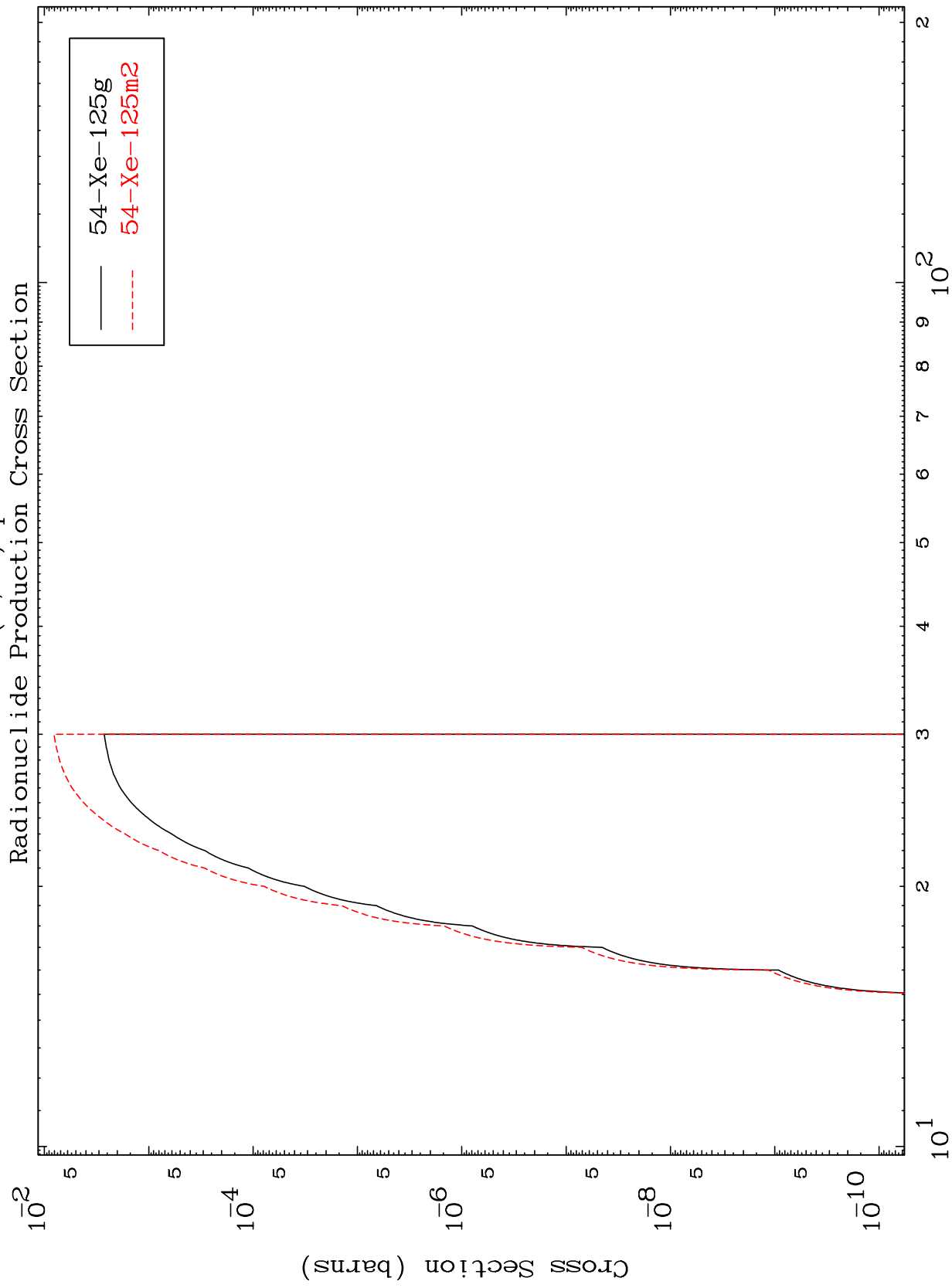
Incident Energy (MeV)

56-Ba-127m

MAT 5617

(n,2n) p

56-Ba-127m



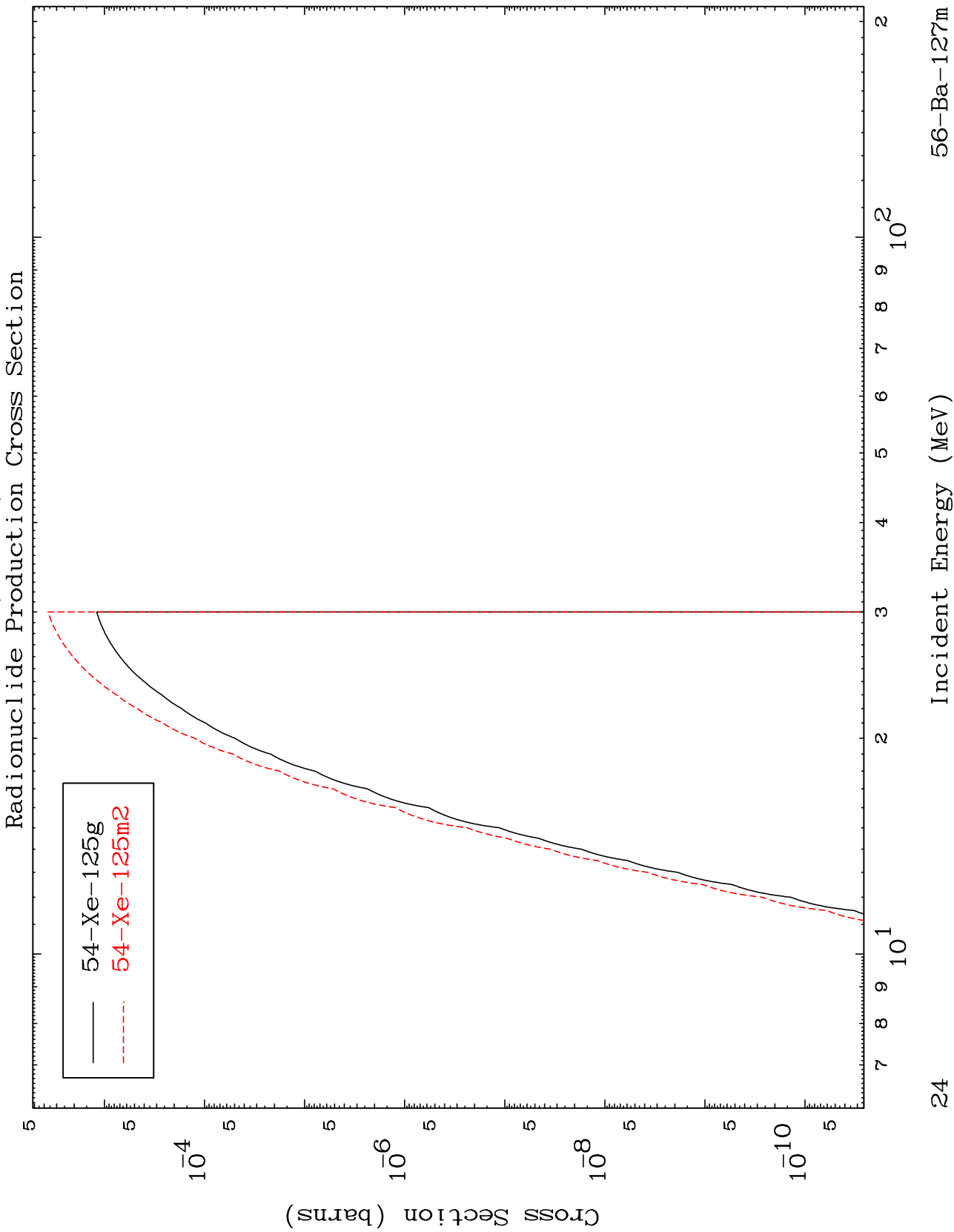
Incident Energy (MeV)

56-Ba-127m

23

MAT 5617

56-Ba-127m



56-Ba-127m

Incident Energy (MeV)

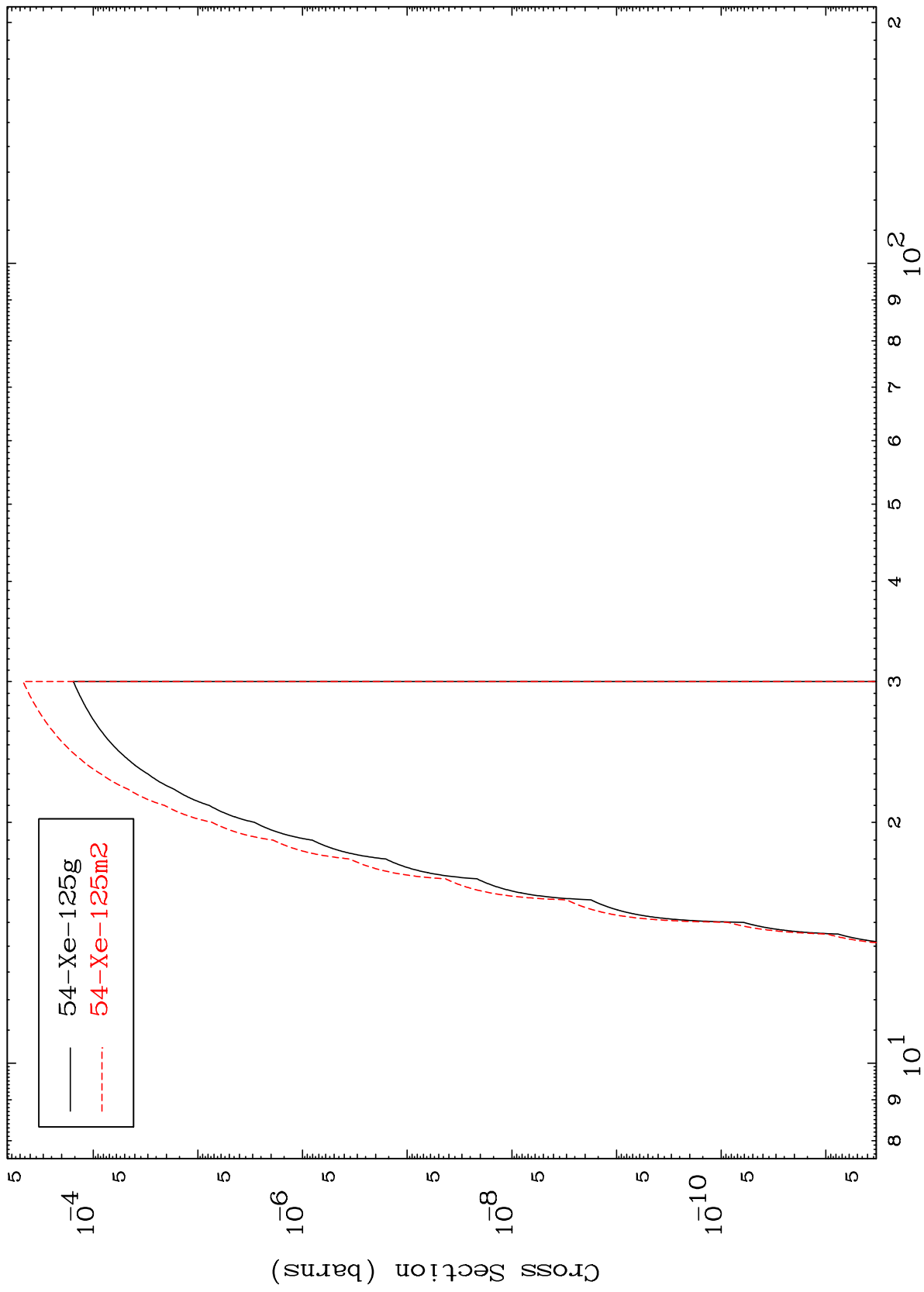
24

MAT 5617

(n,p) d

56-Ba-127m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

56-Ba-127m