

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

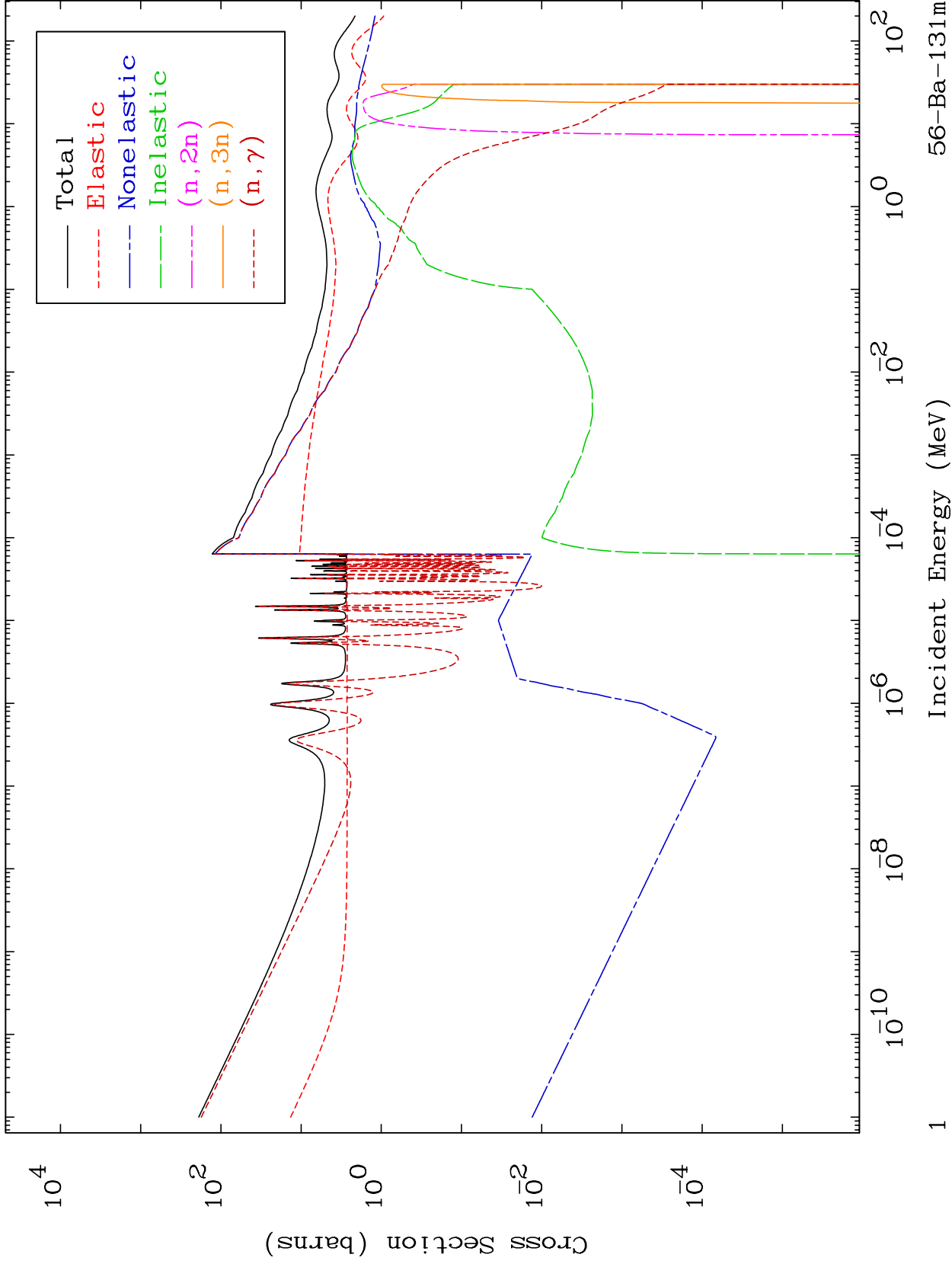
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5629

Neutron Major  
293 Kelvin Cross Sections

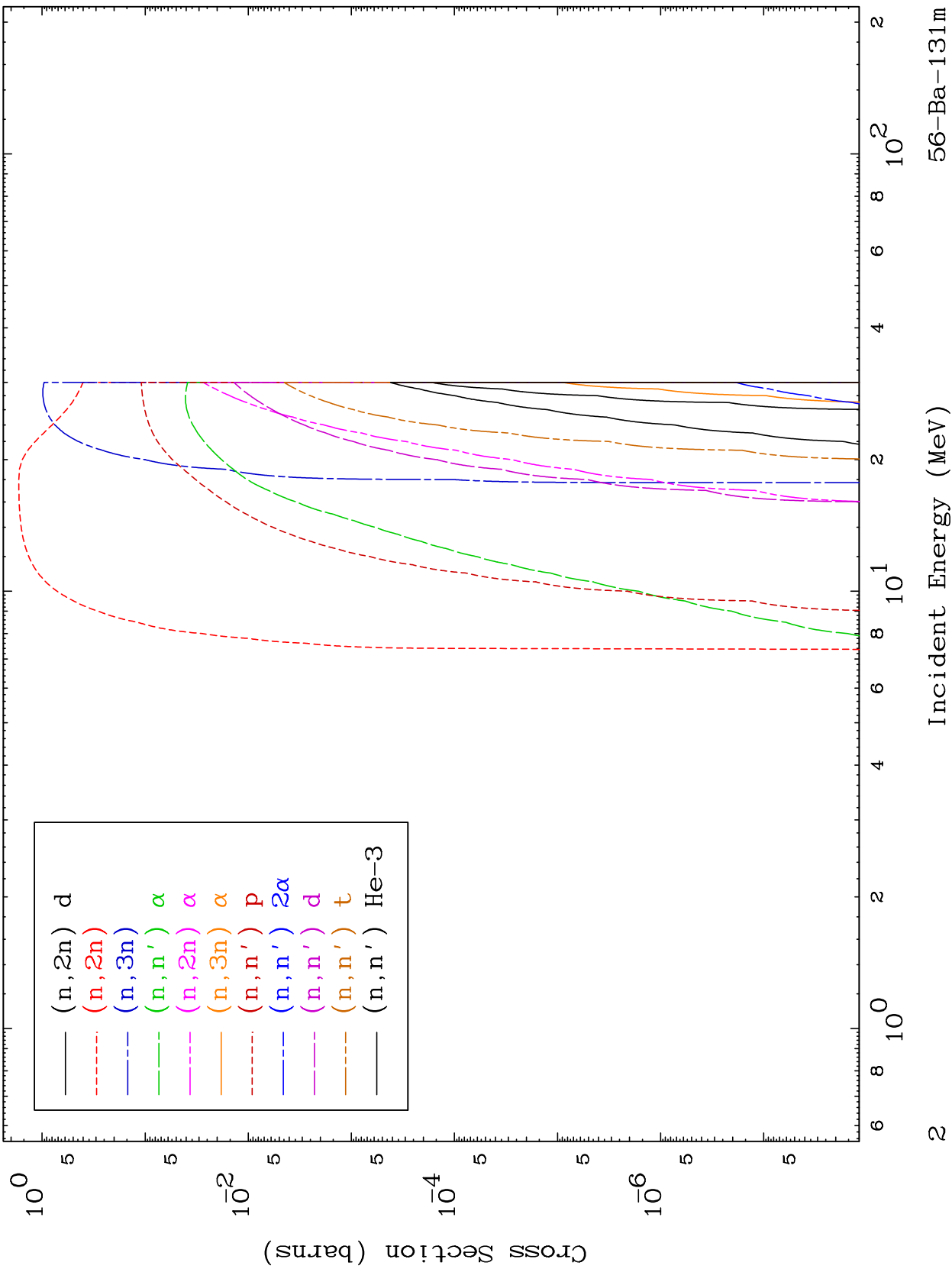
56-Ba-131m



MAT 5629

Neutron Absorption  
293 Kelvin Cross Sections

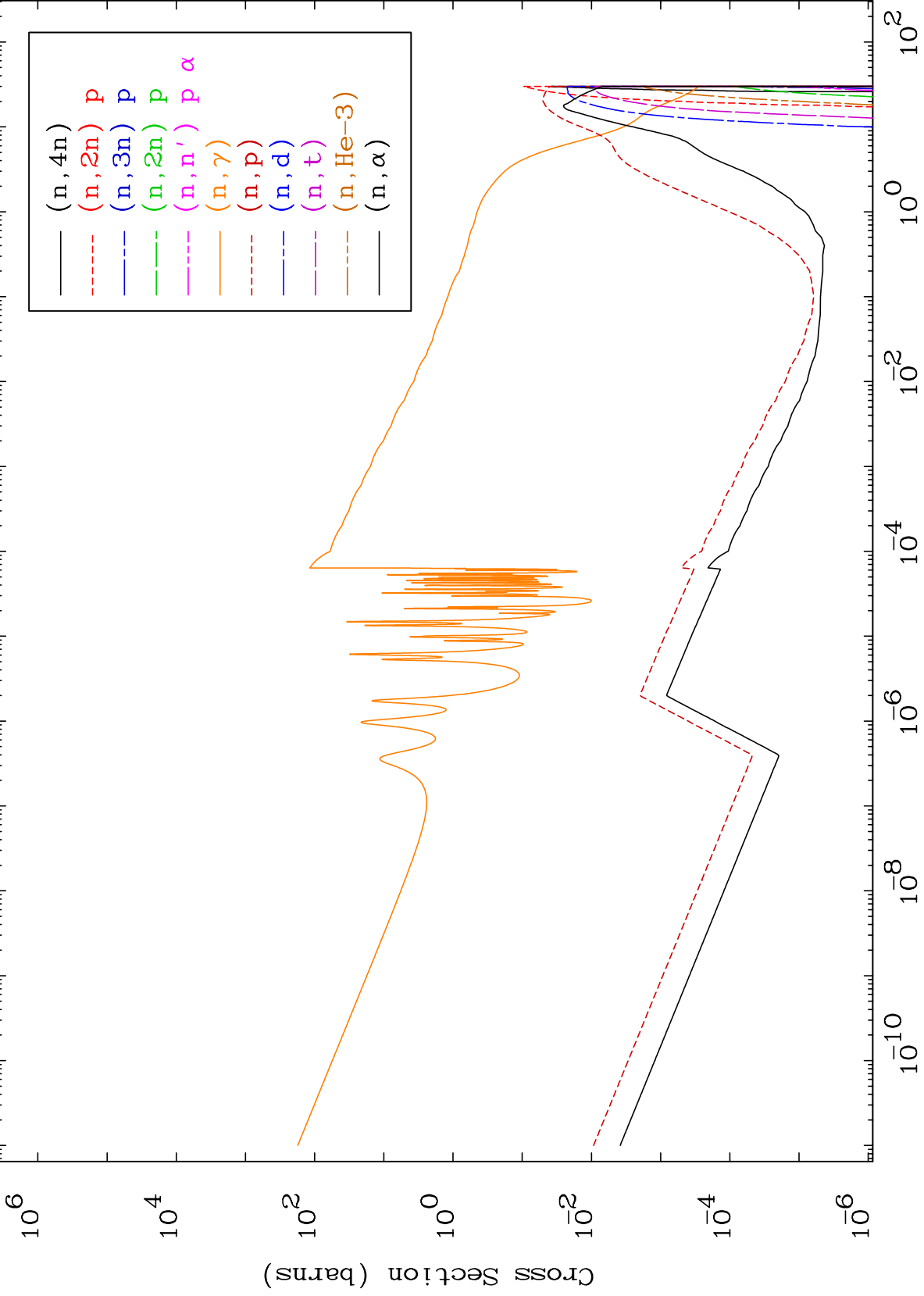
56-Ba-131m



MAT 5629

Neutron Absorption  
293 Kelvin Cross Sections

56-Ba-131m



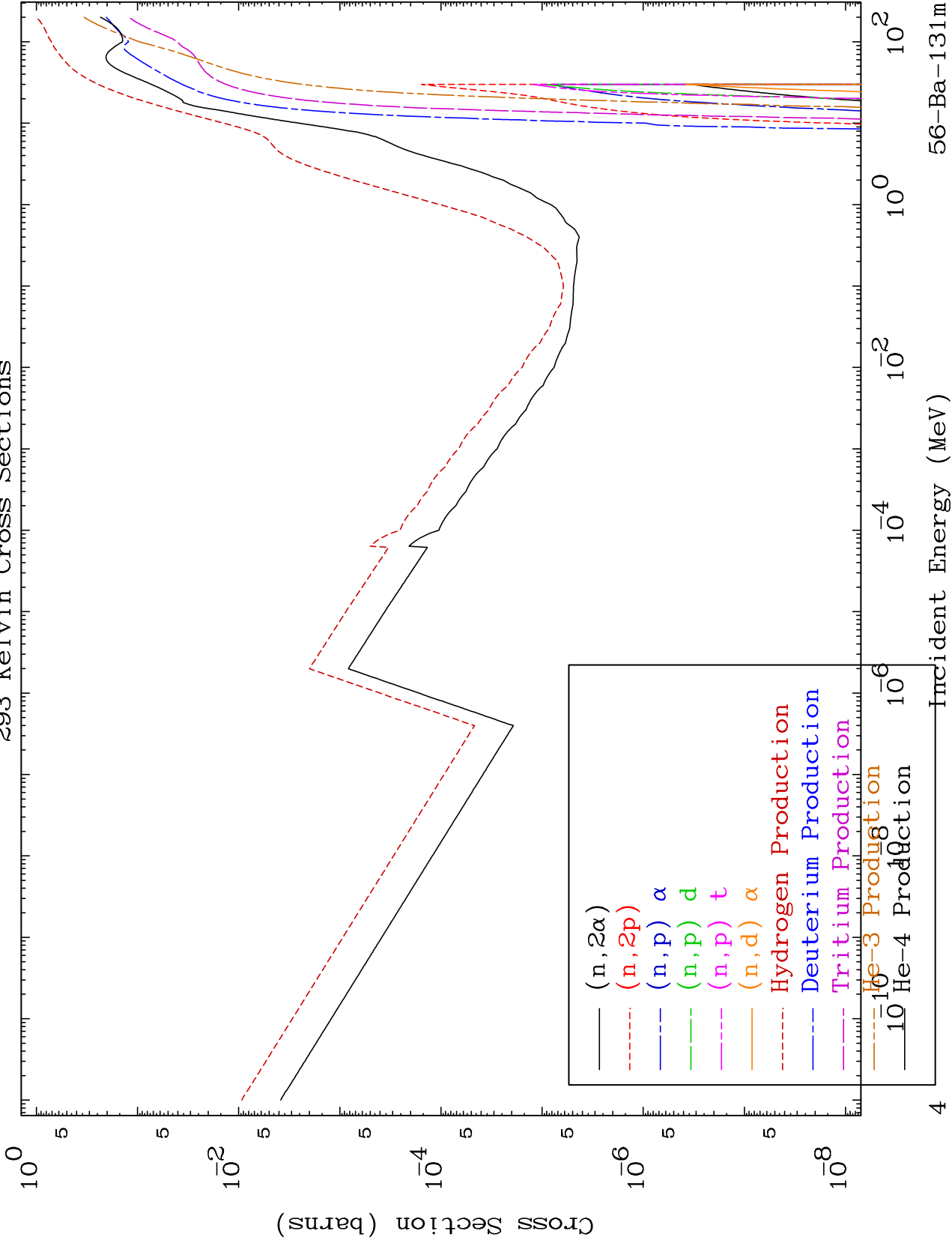
56-Ba-131m

Incident Energy (MeV)

MAT 5629

Neutron Absorption  
293 Kelvin Cross Sections

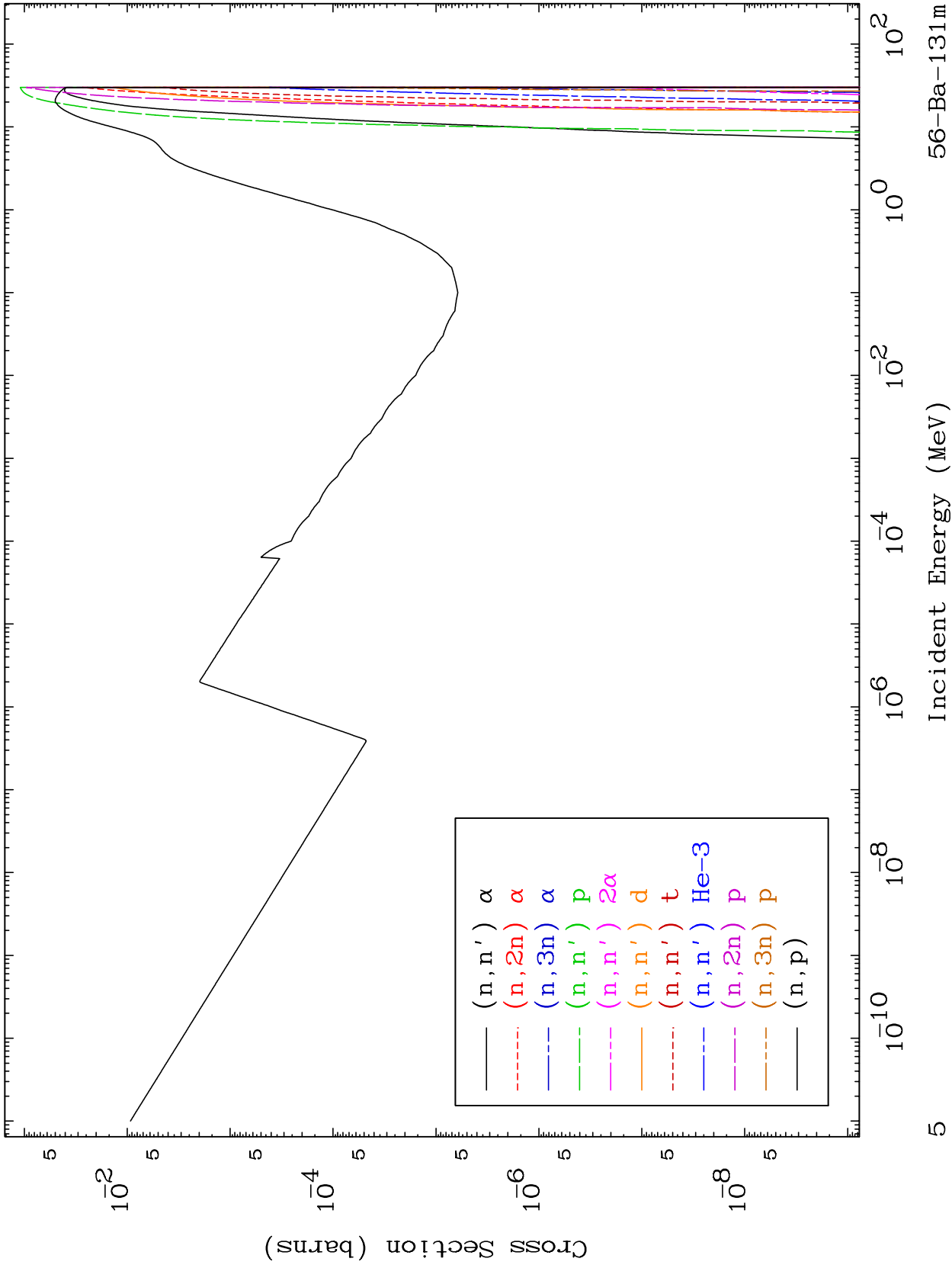
56-Ba-131m



MAT 5629

Charged Particle  
293 Kelvin Cross Sections

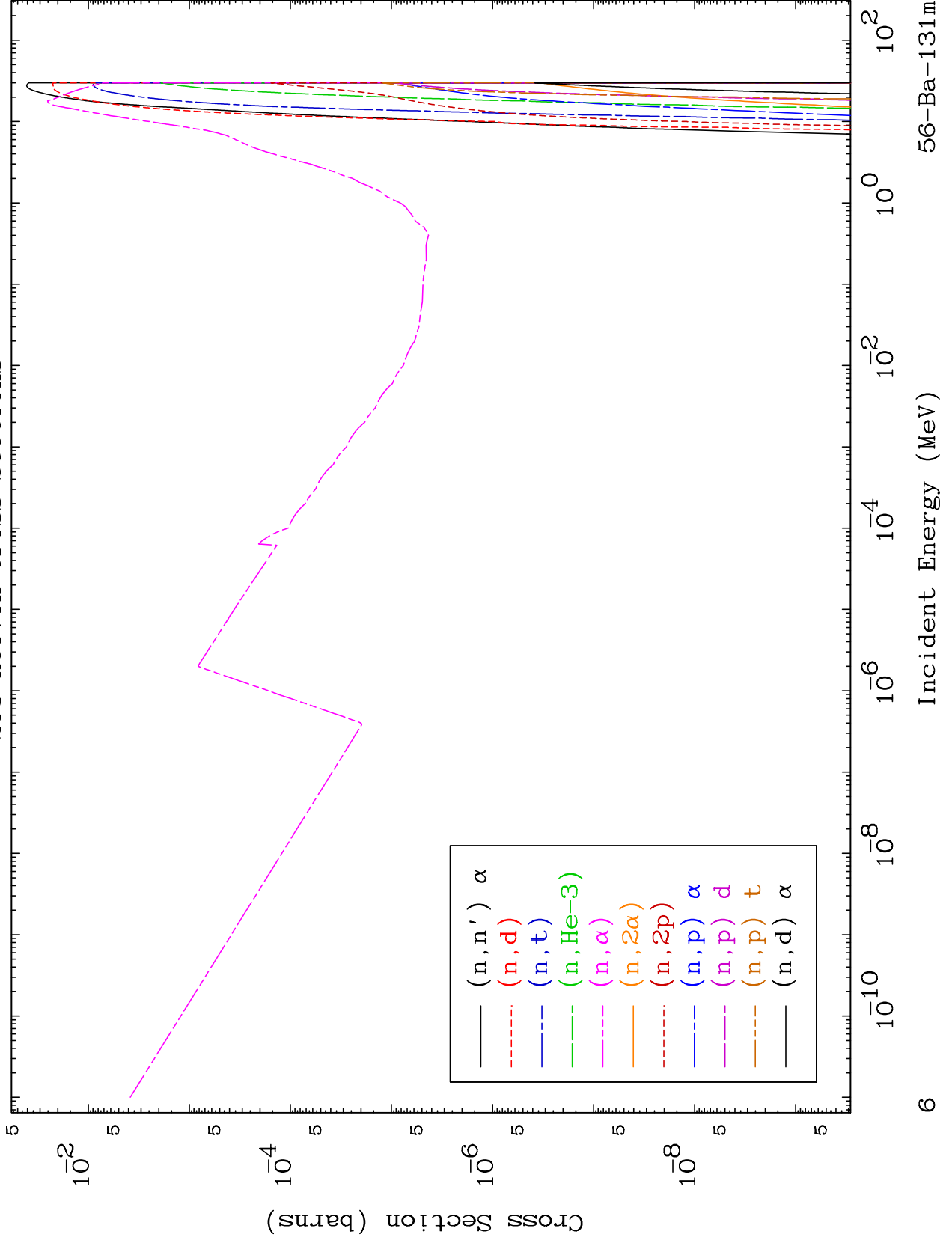
56-Ba-131m



MAT 5629

Charged Particle  
293 Kelvin Cross Sections

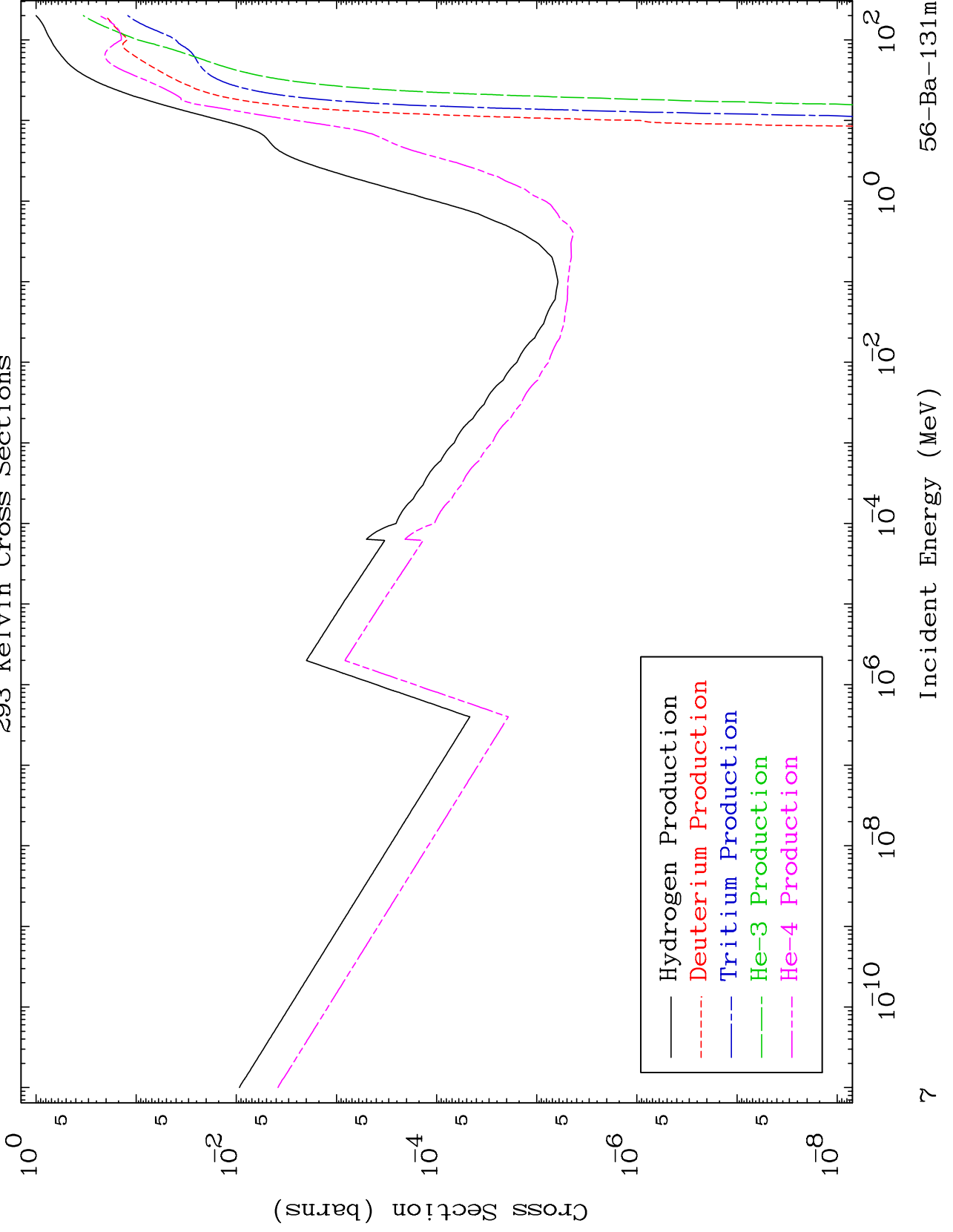
56-Ba-131m



MAT 5629

Particle Production  
293 Kelvin Cross Sections

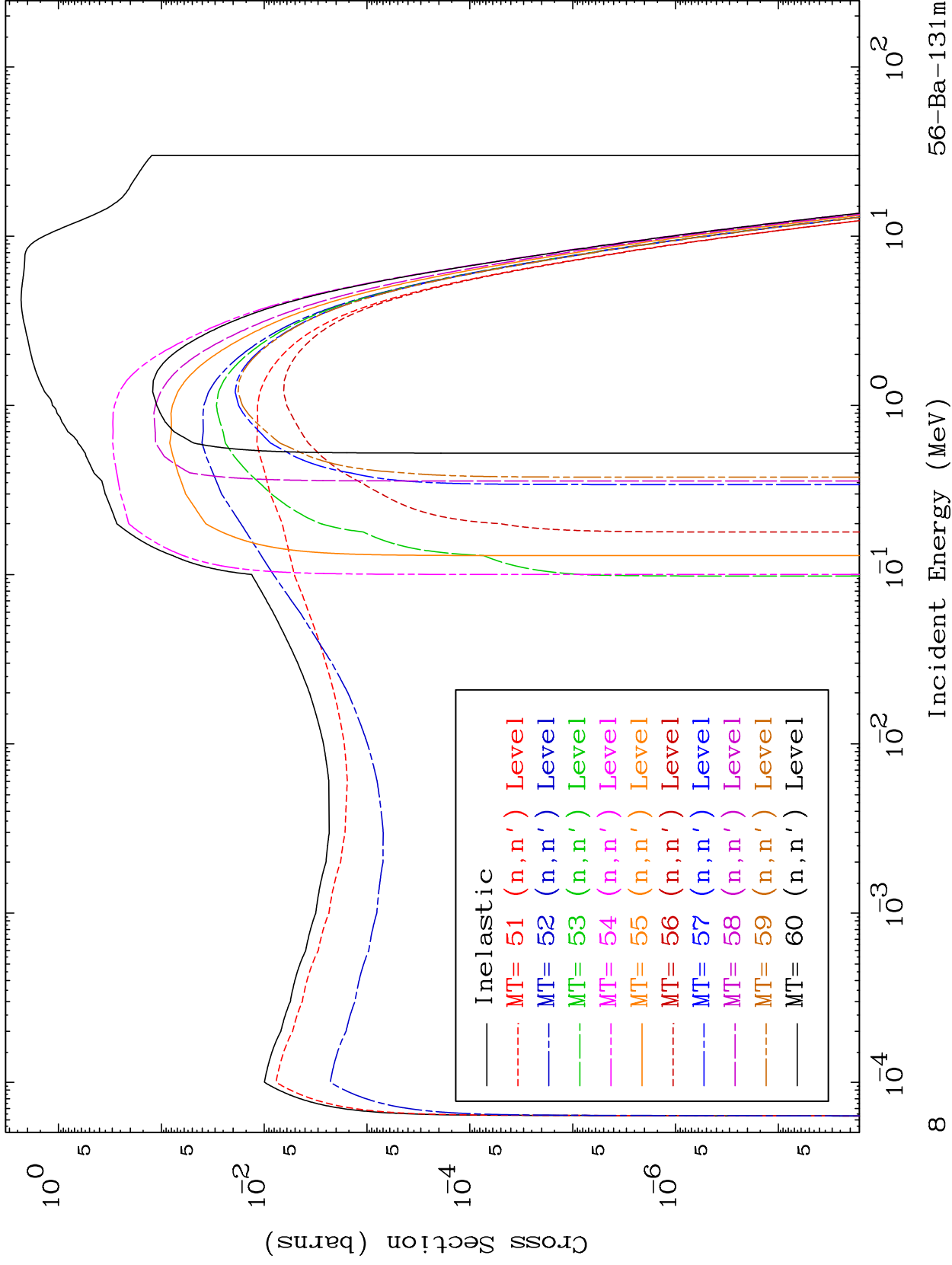
56-Ba-131m



MAT 5629

(n,n') Levels  
293 Kelvin Cross Sections

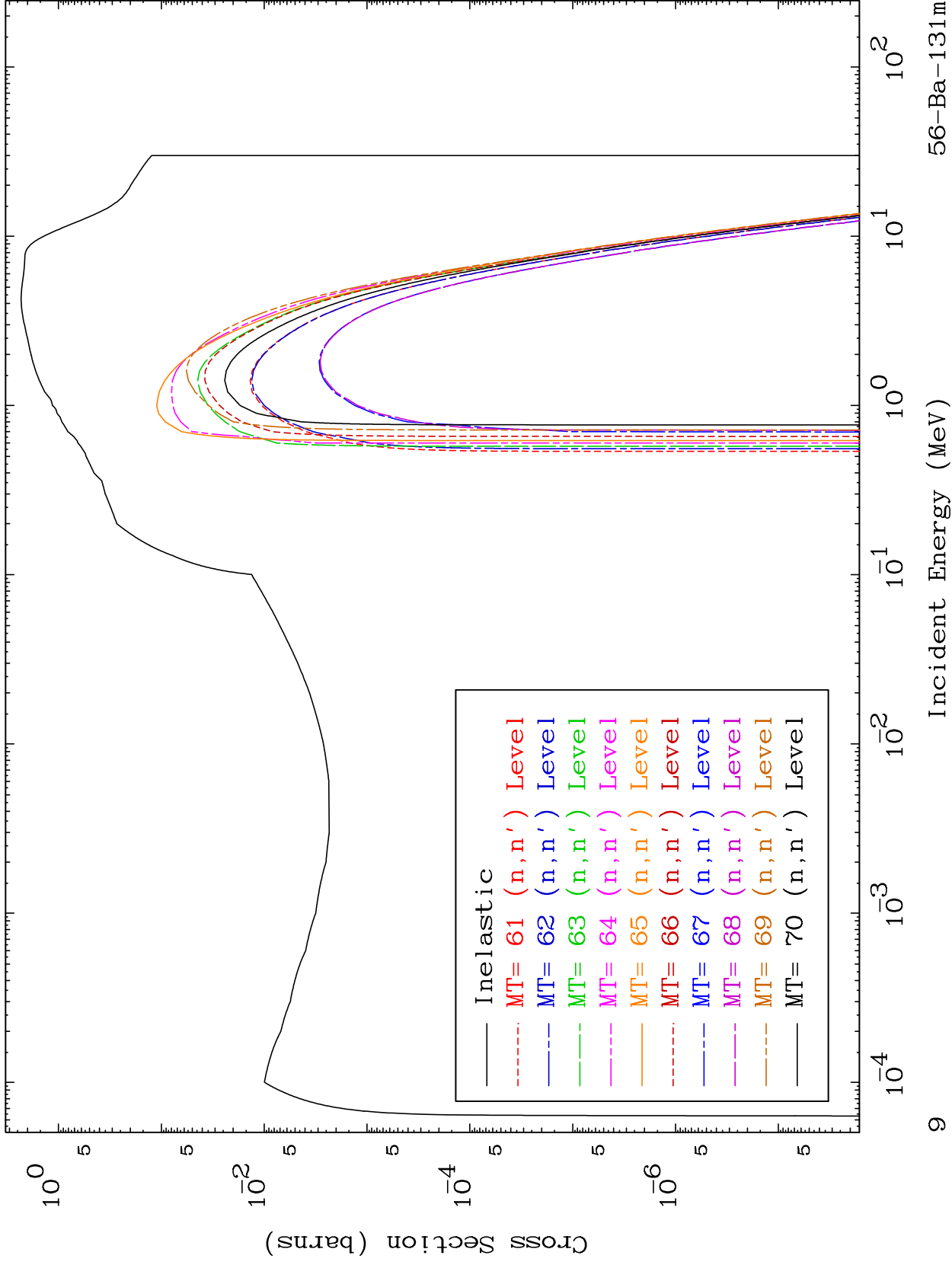
56-Ba-131m



MAT 5629

(n,n') Levels  
293 Kelvin Cross Sections

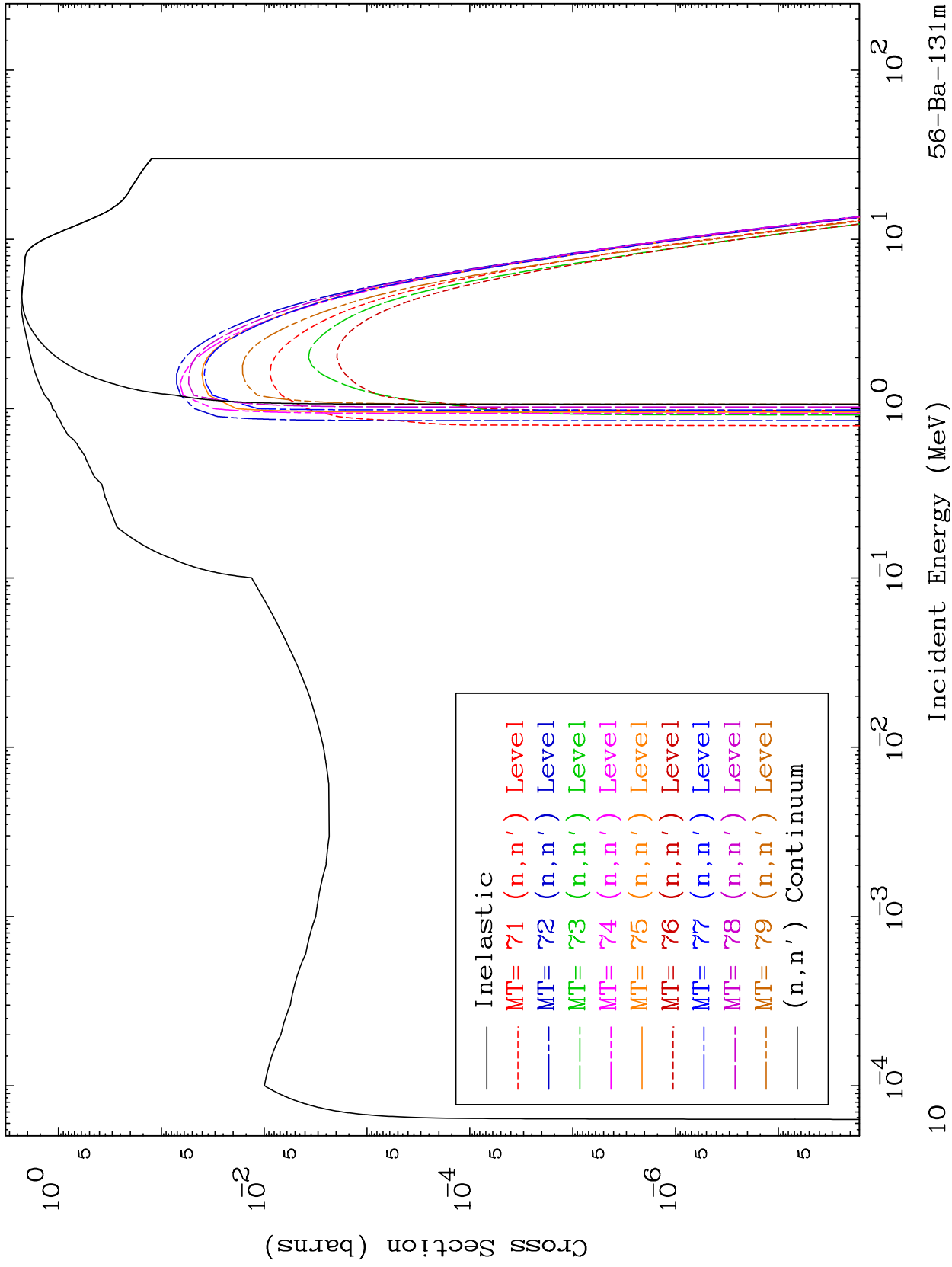
56-Ba-131m



MAT 5629

(n,n') Levels  
293 Kelvin Cross Sections

56-Ba-131m

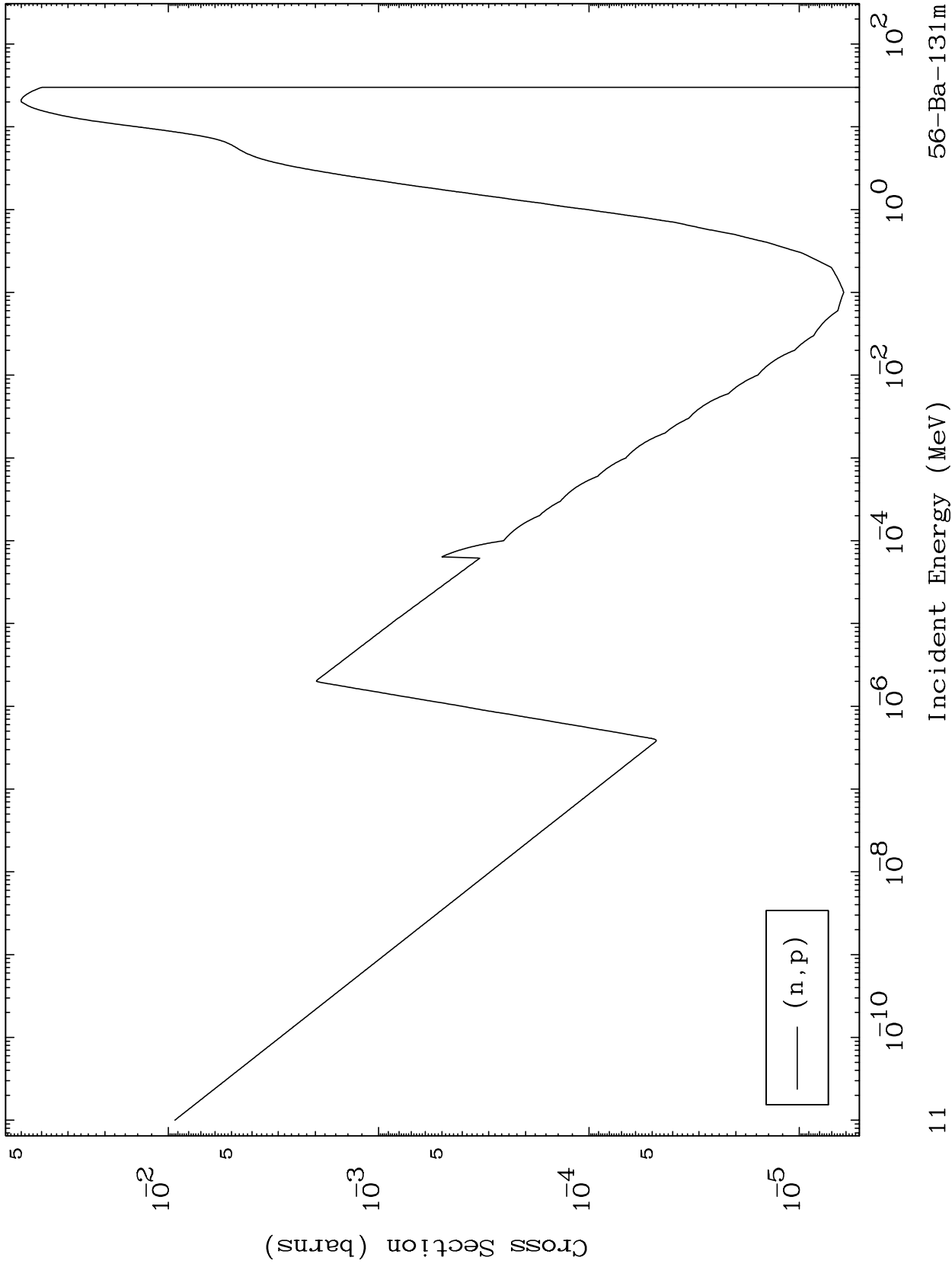


56-Ba-131m

MAT 5629

(n,p) Levels  
293 Kelvin Cross Sections

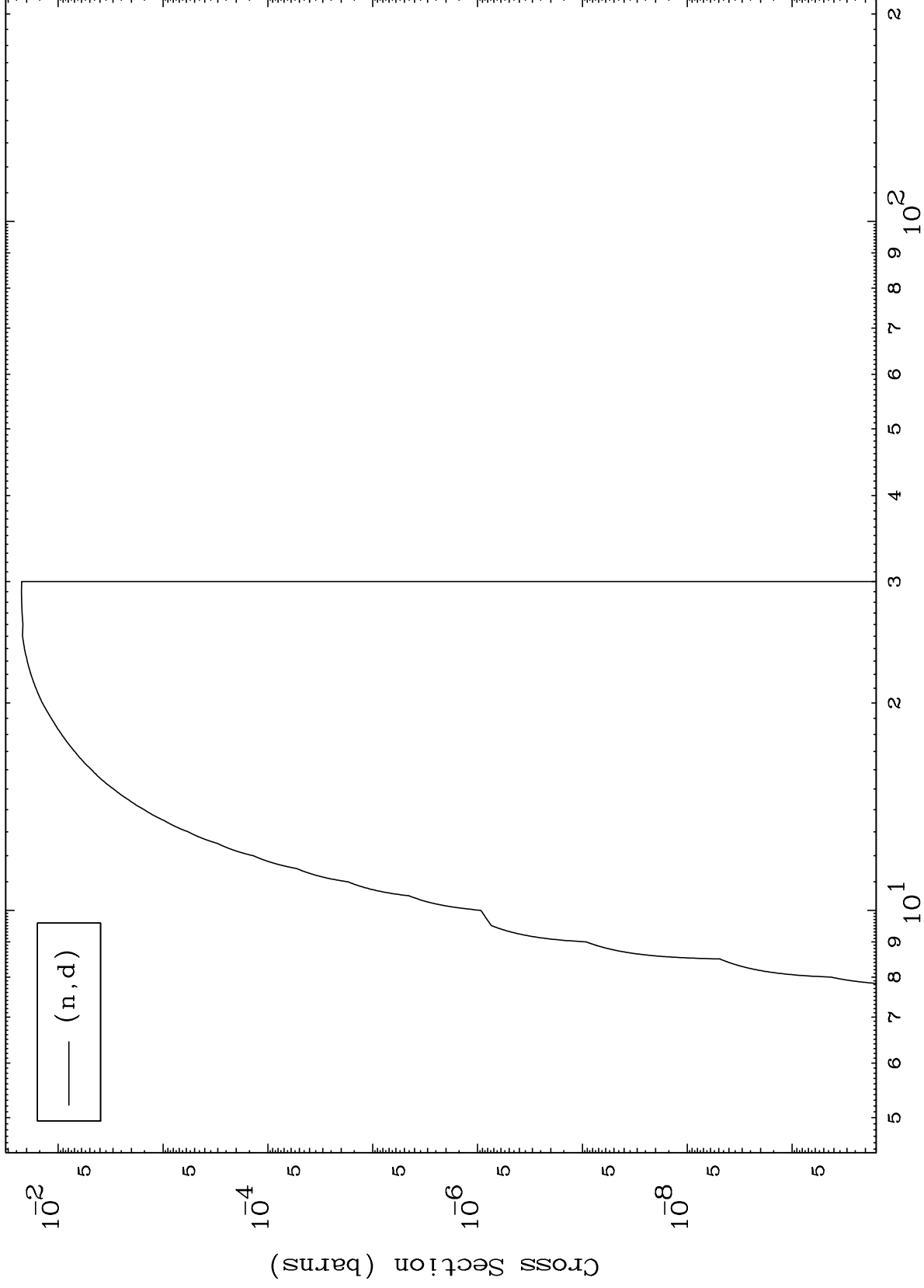
56-Ba-131m



MAT 5629

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-131m



12

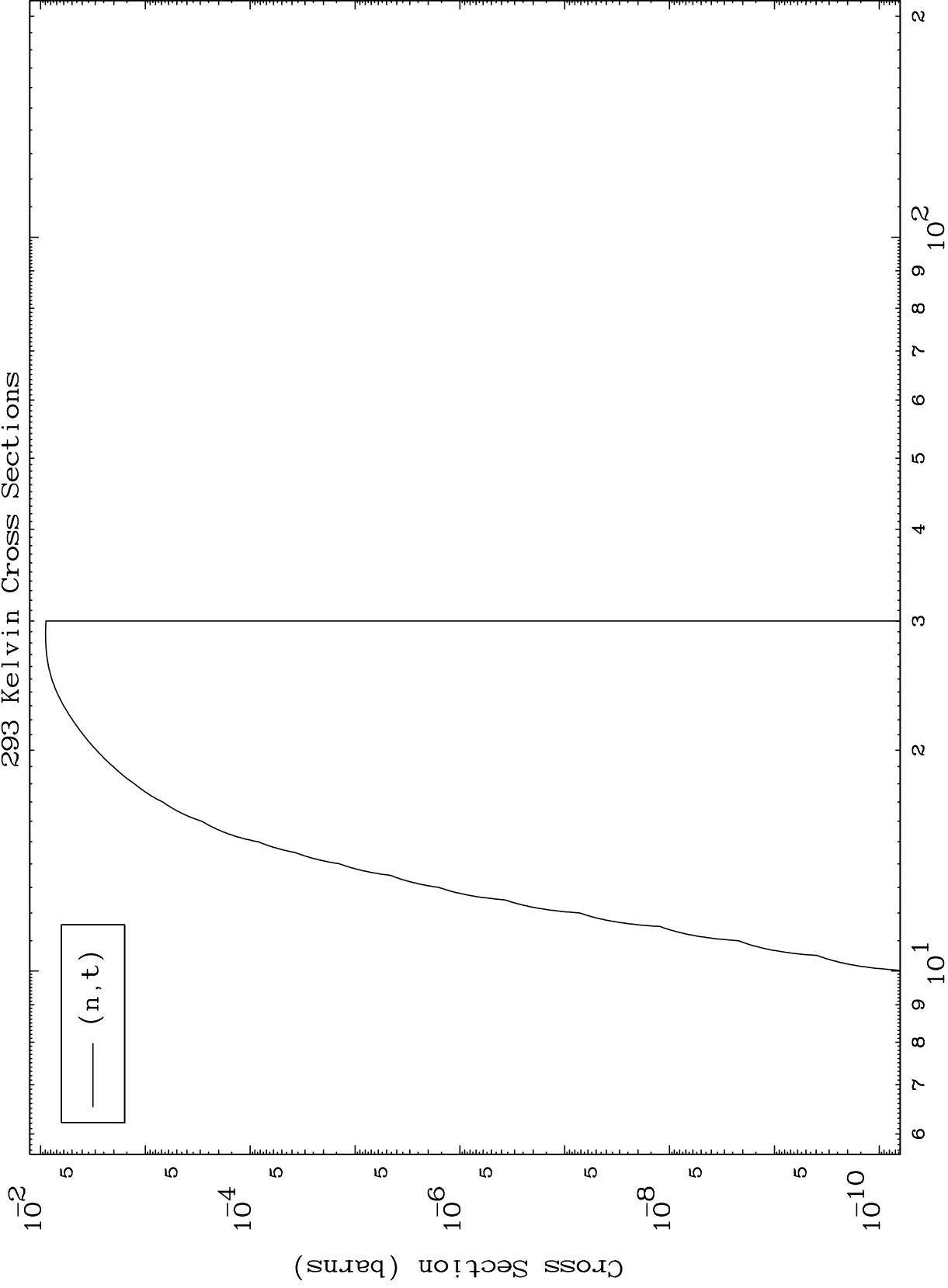
Incident Energy (MeV)

56-Ba-131m

MAT 5629

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-131m



13

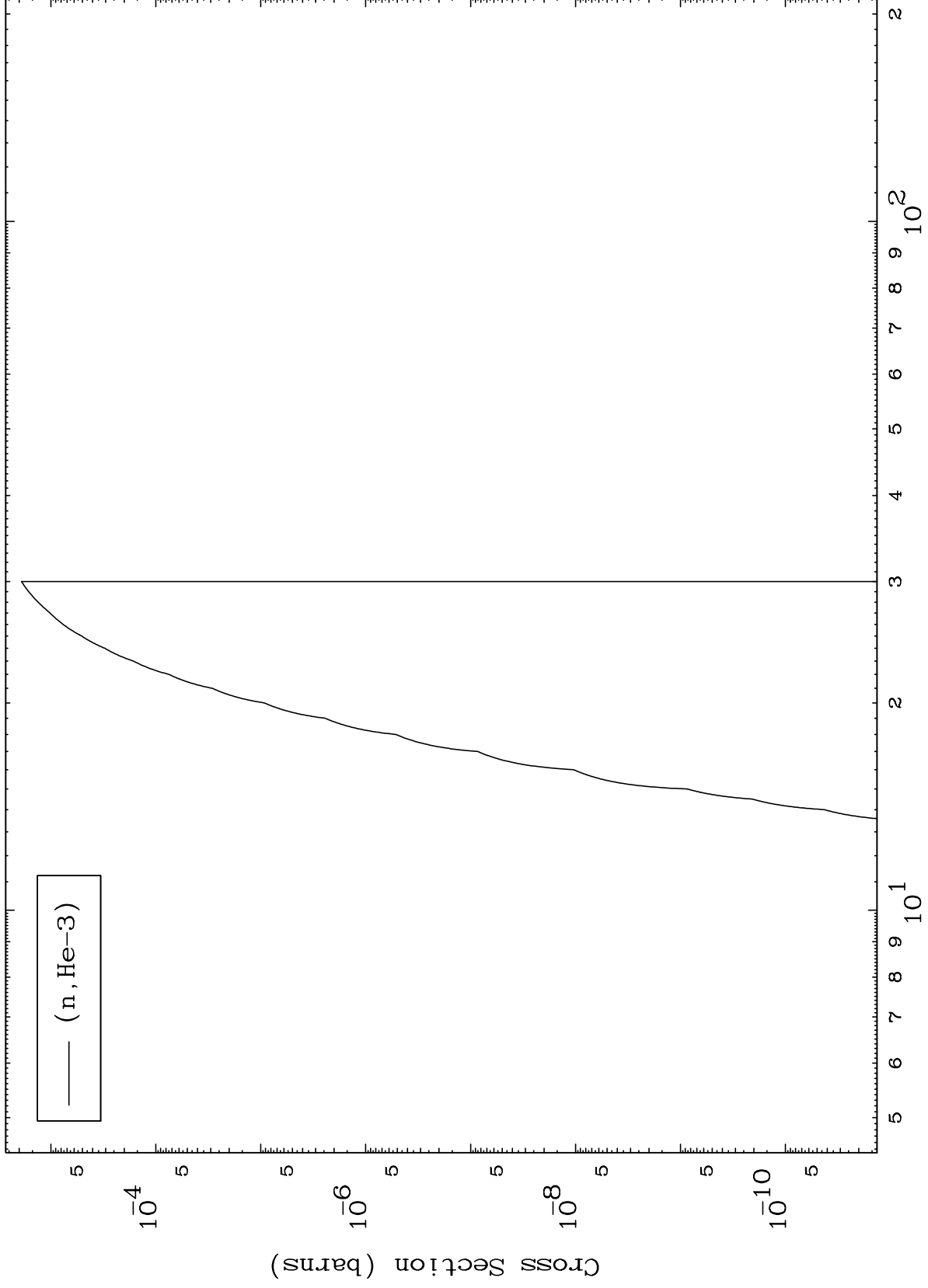
Incident Energy (MeV)

56-Ba-131m

MAT 5629

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-131m



14

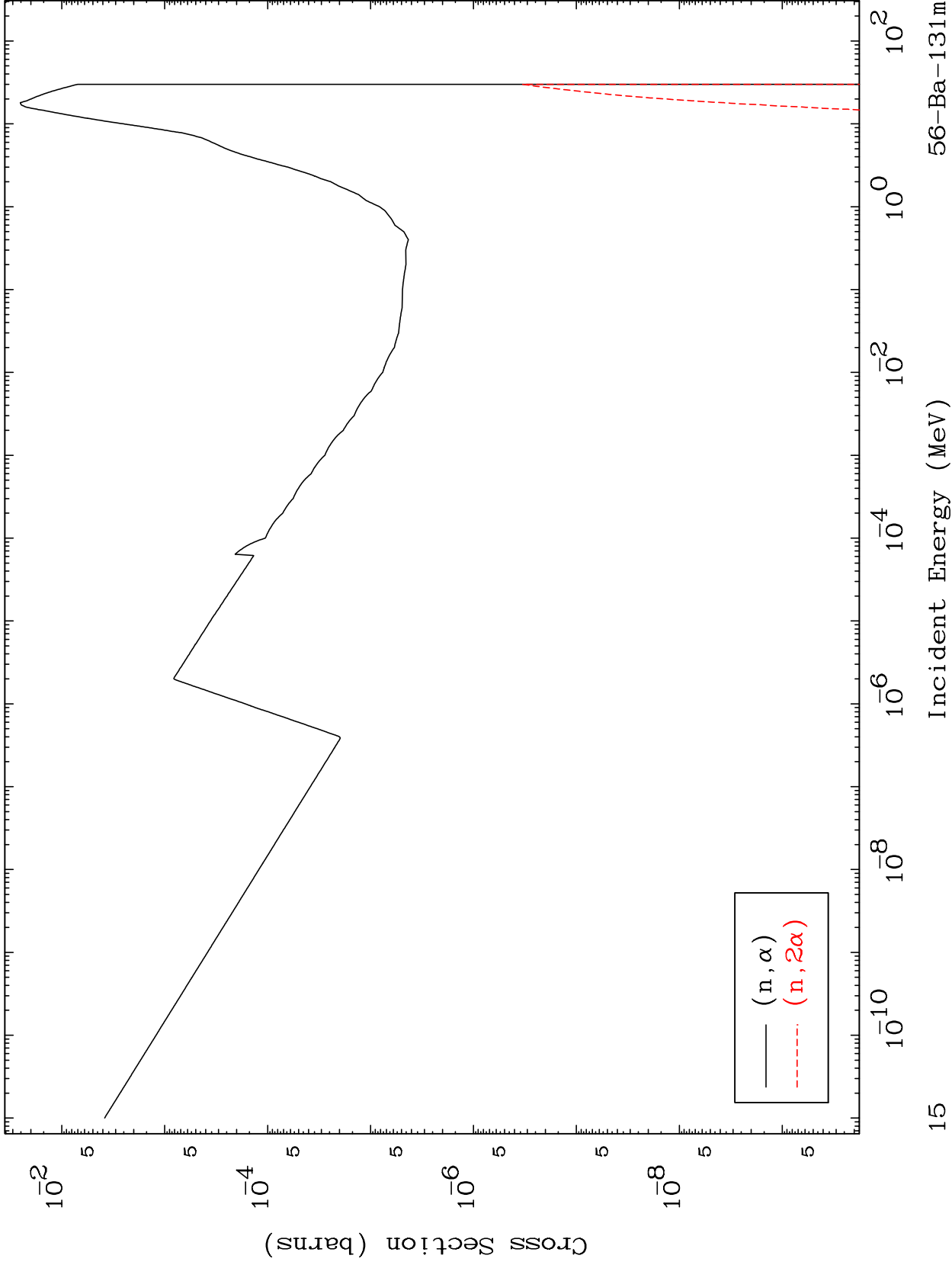
Incident Energy (MeV)

56-Ba-131m

MAT 5629

(n,α) Levels  
293 Kelvin Cross Sections

56-Ba-131m

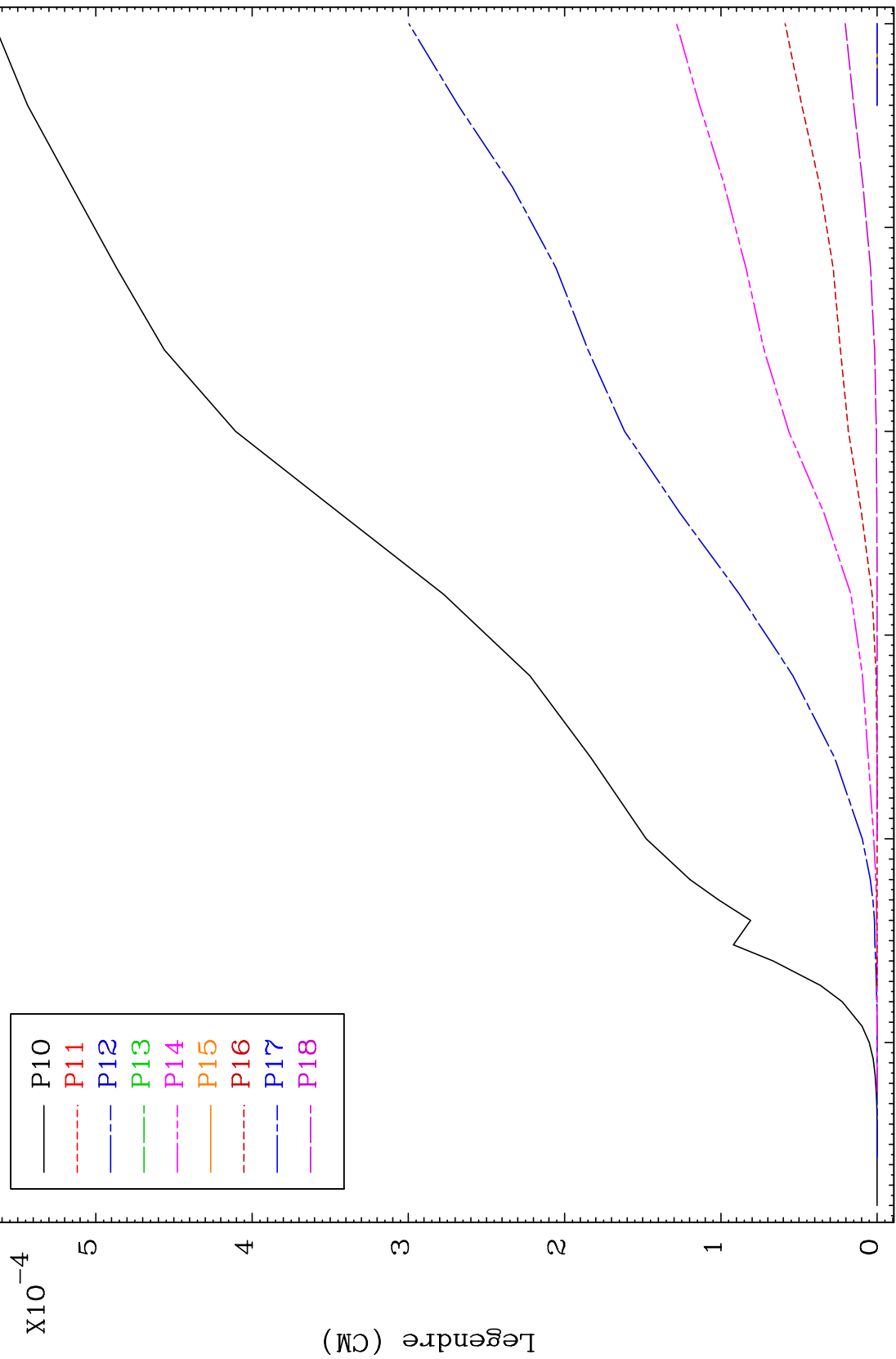
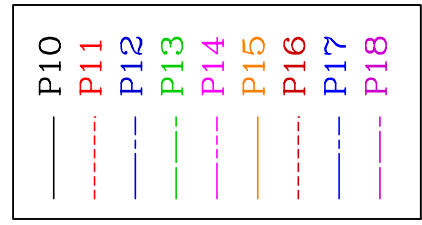




MAT 5629

Elastic Legendre Coefficients

56-Ba-131m



17

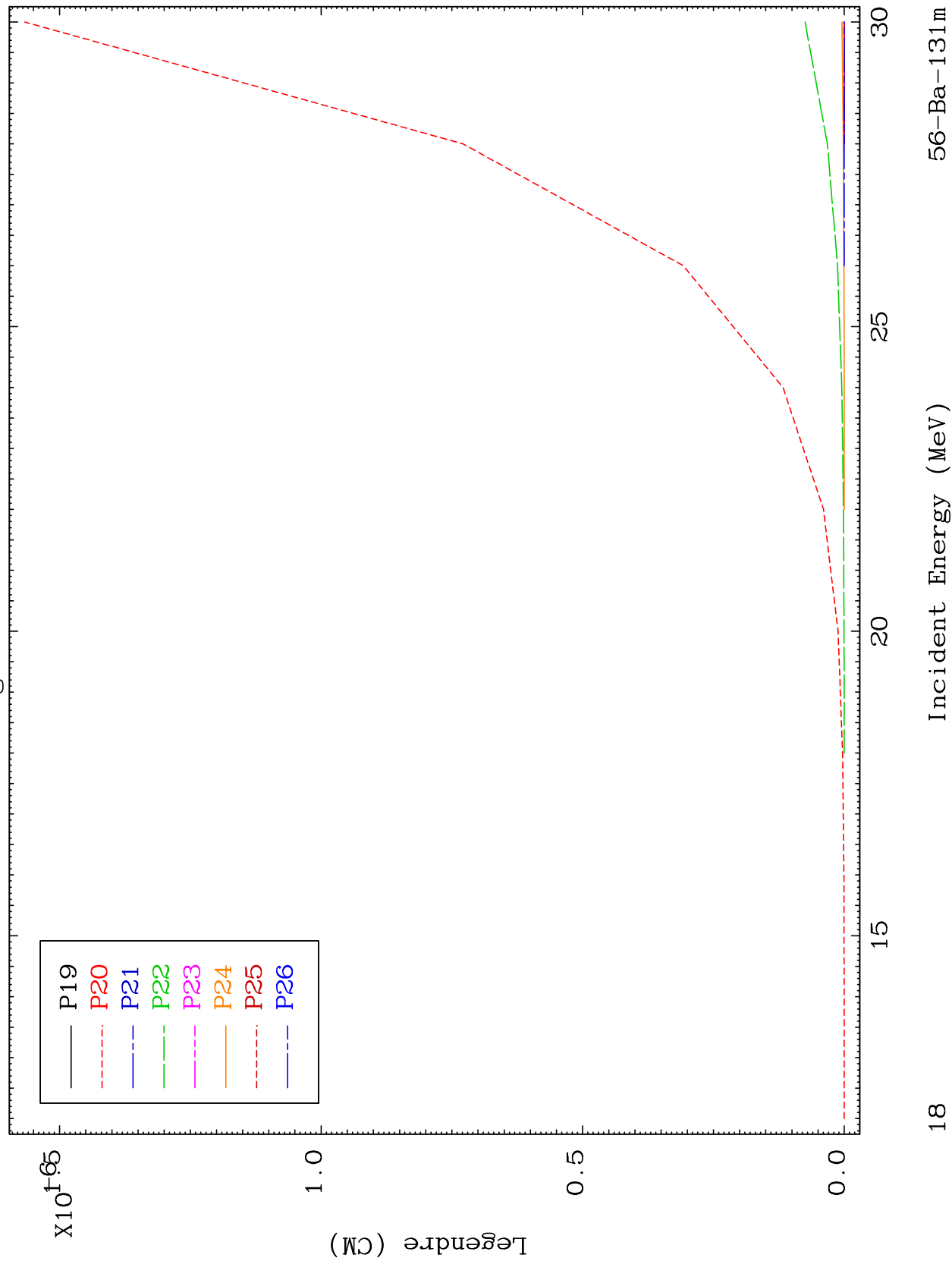
Incident Energy (MeV)

56-Ba-131m

MAT 5629

Elastic Legendre Coefficients

56-Ba-131m



18

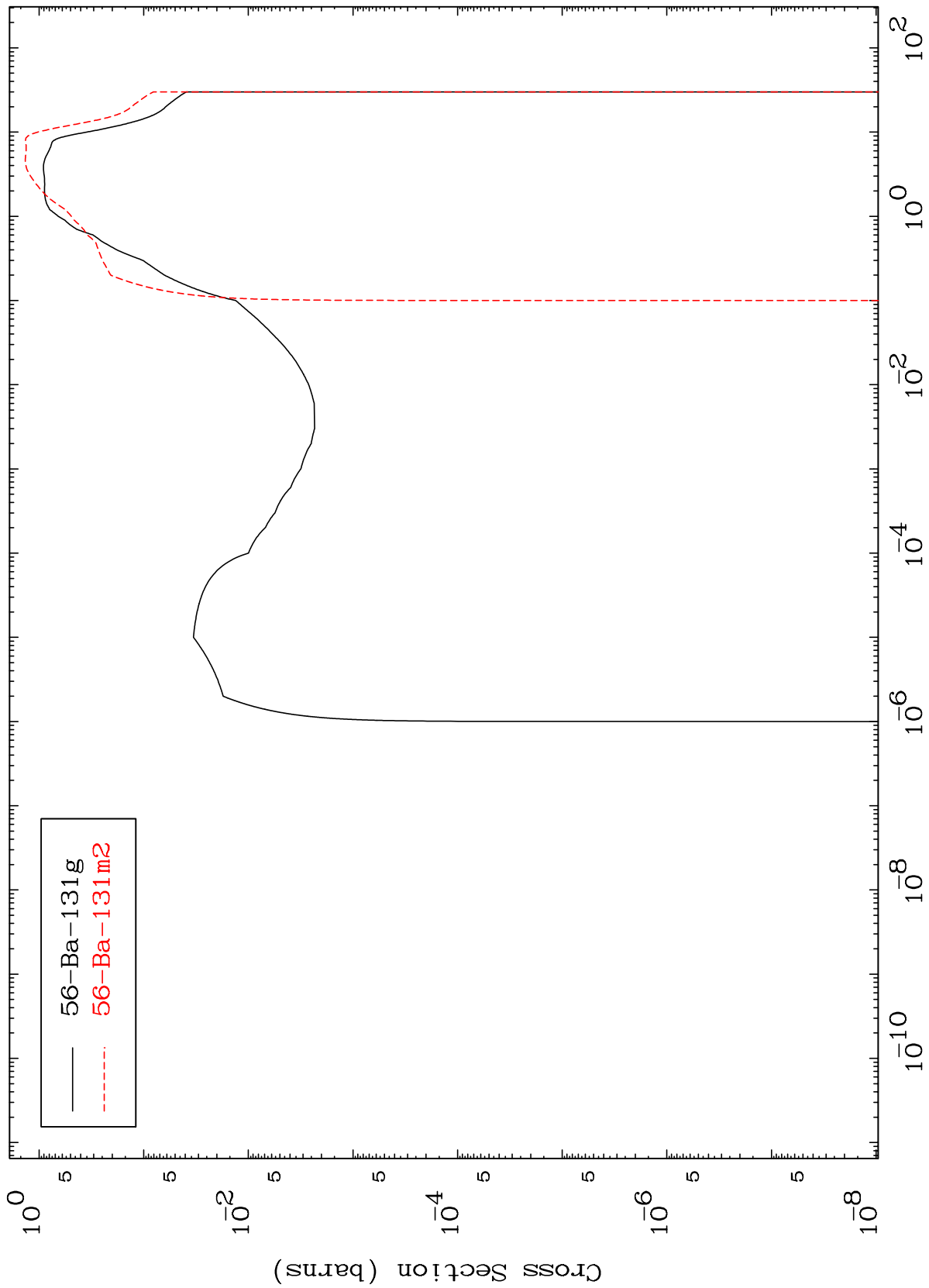
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

Inelastic  
Radionuclide Production Cross Section



56-Ba-131g  
56-Ba-131m2

56-Ba-131m

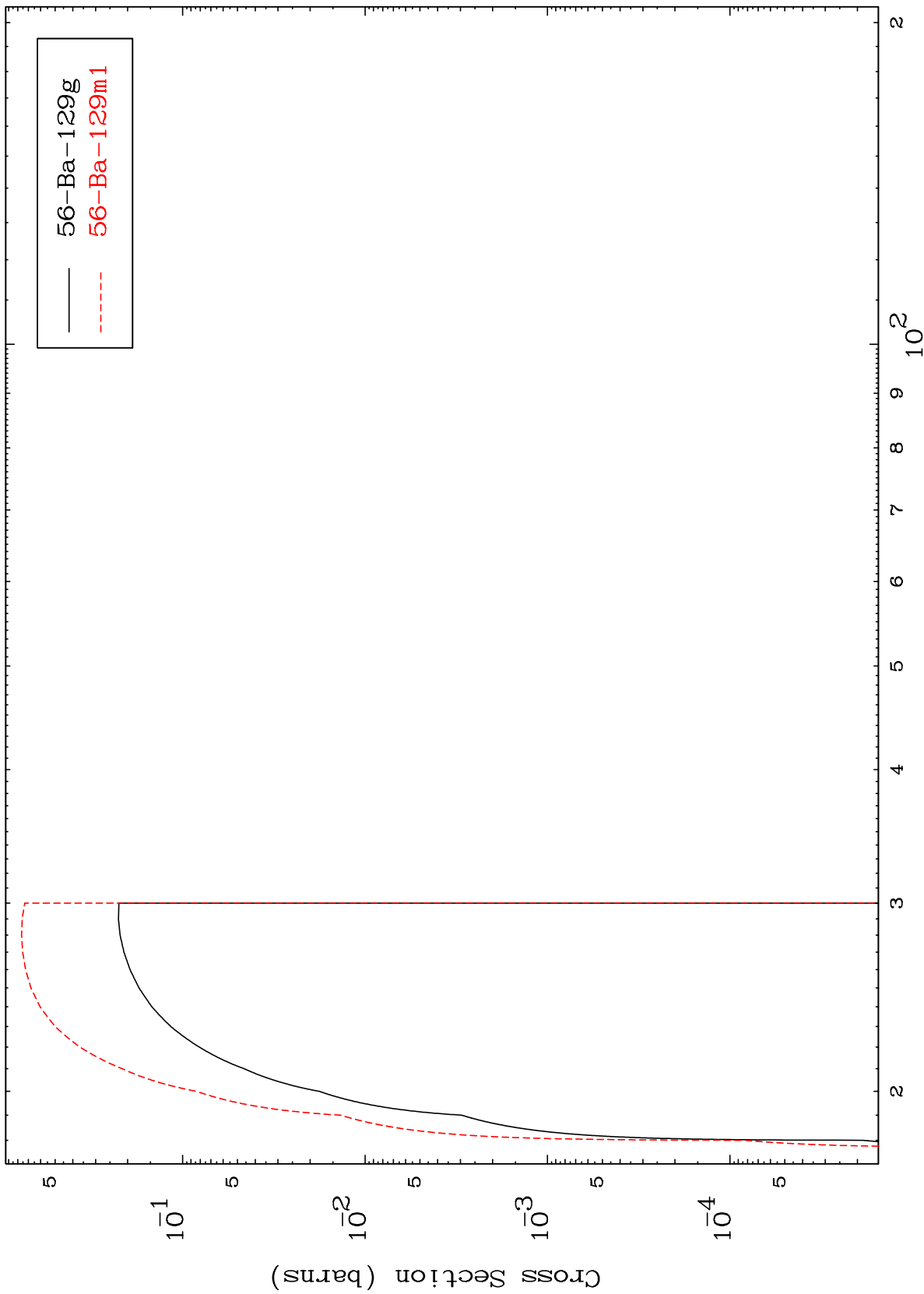
Incident Energy (MeV)

19

MAT 5629

56-Ba-131m

(n,3n)  
Radionuclide Production Cross Section



56-Ba-131m

Incident Energy (MeV)

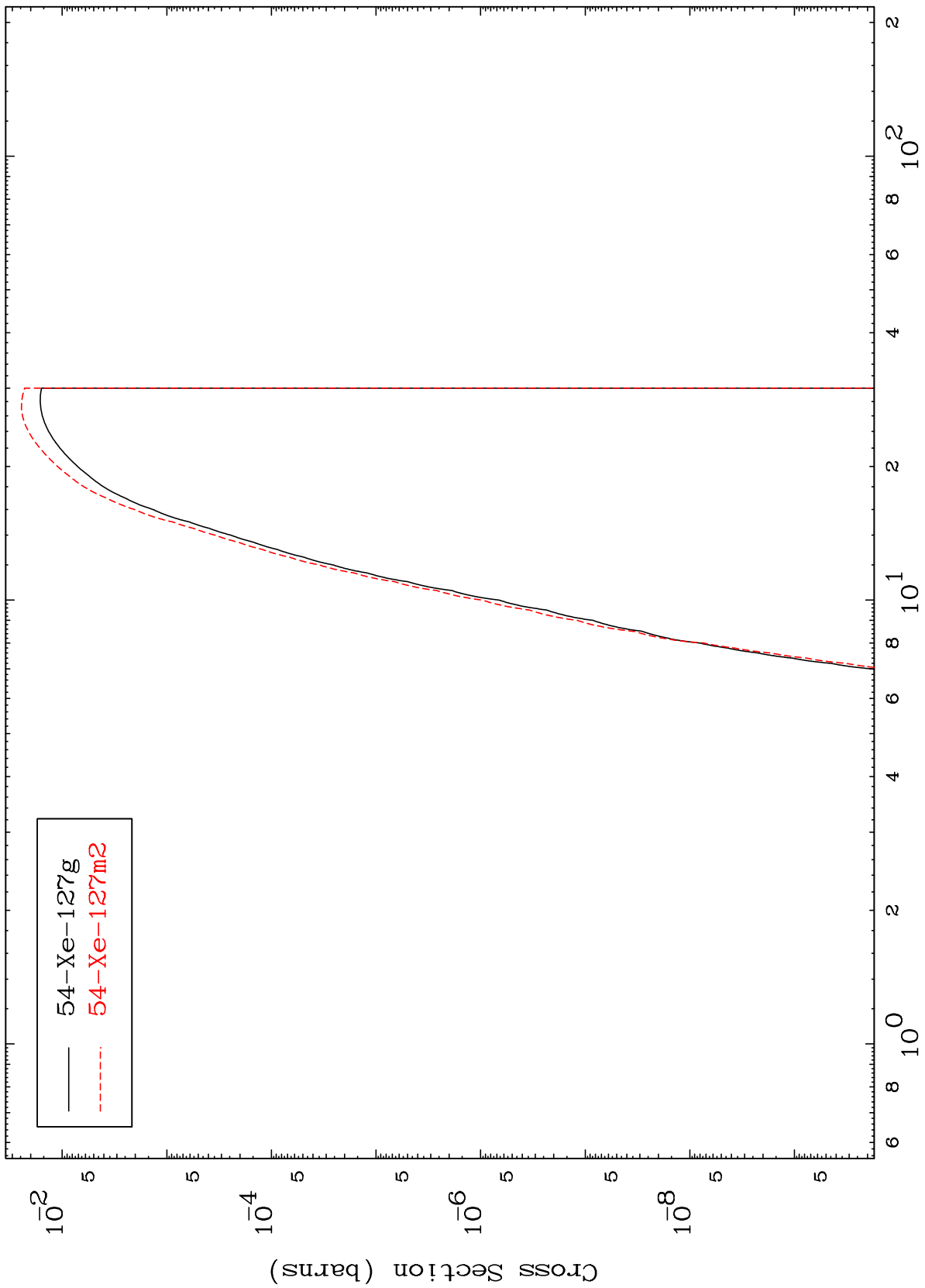
20

MAT 5629

(n,n')  $\alpha$

56-Ba-131m

Radionuclide Production Cross Section



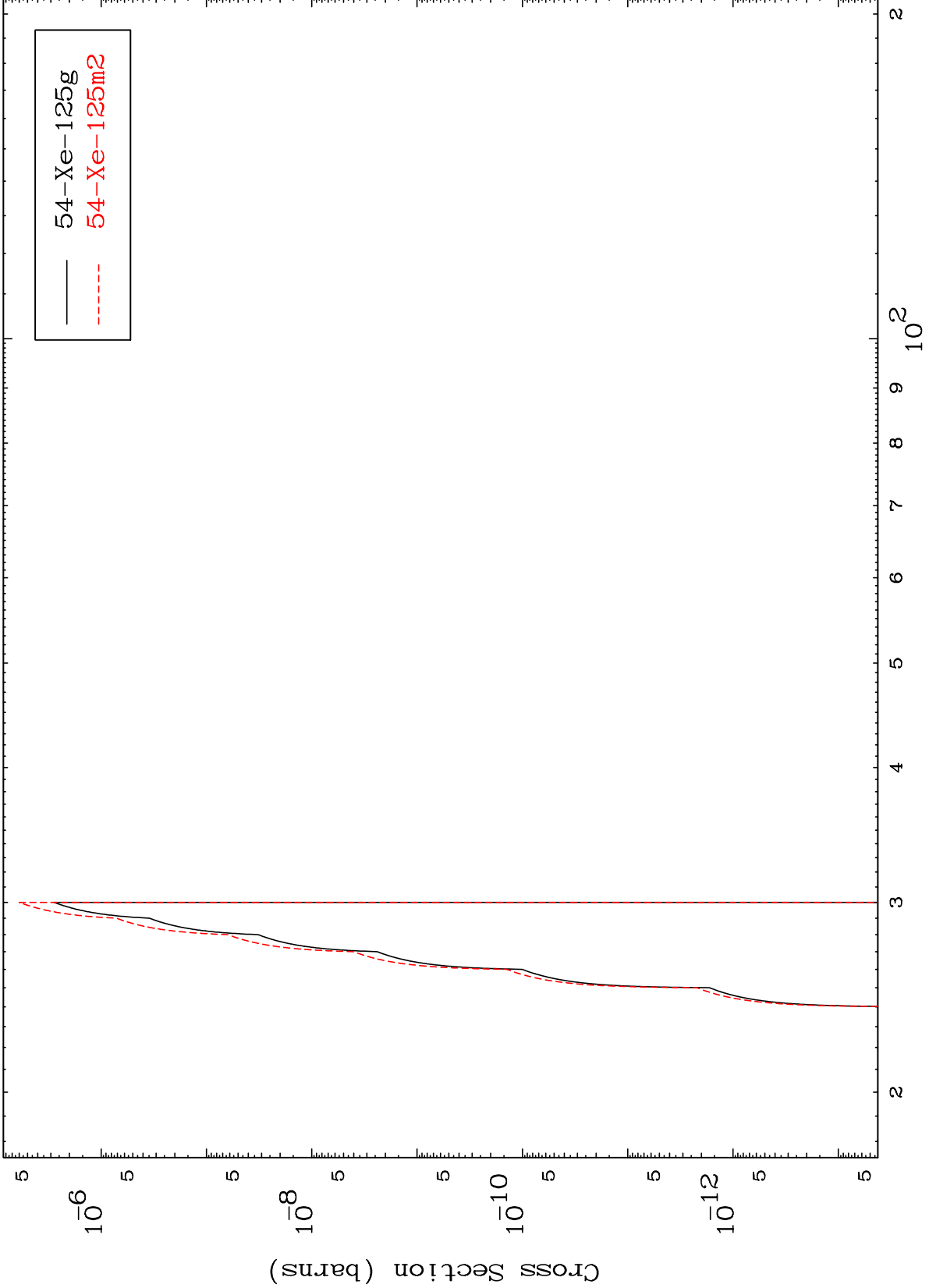
54-Xe-127g  
54-Xe-127m2

MAT 5629

(n,3n)  $\alpha$

56-Ba-131m

Radionuclide Production Cross Section



22

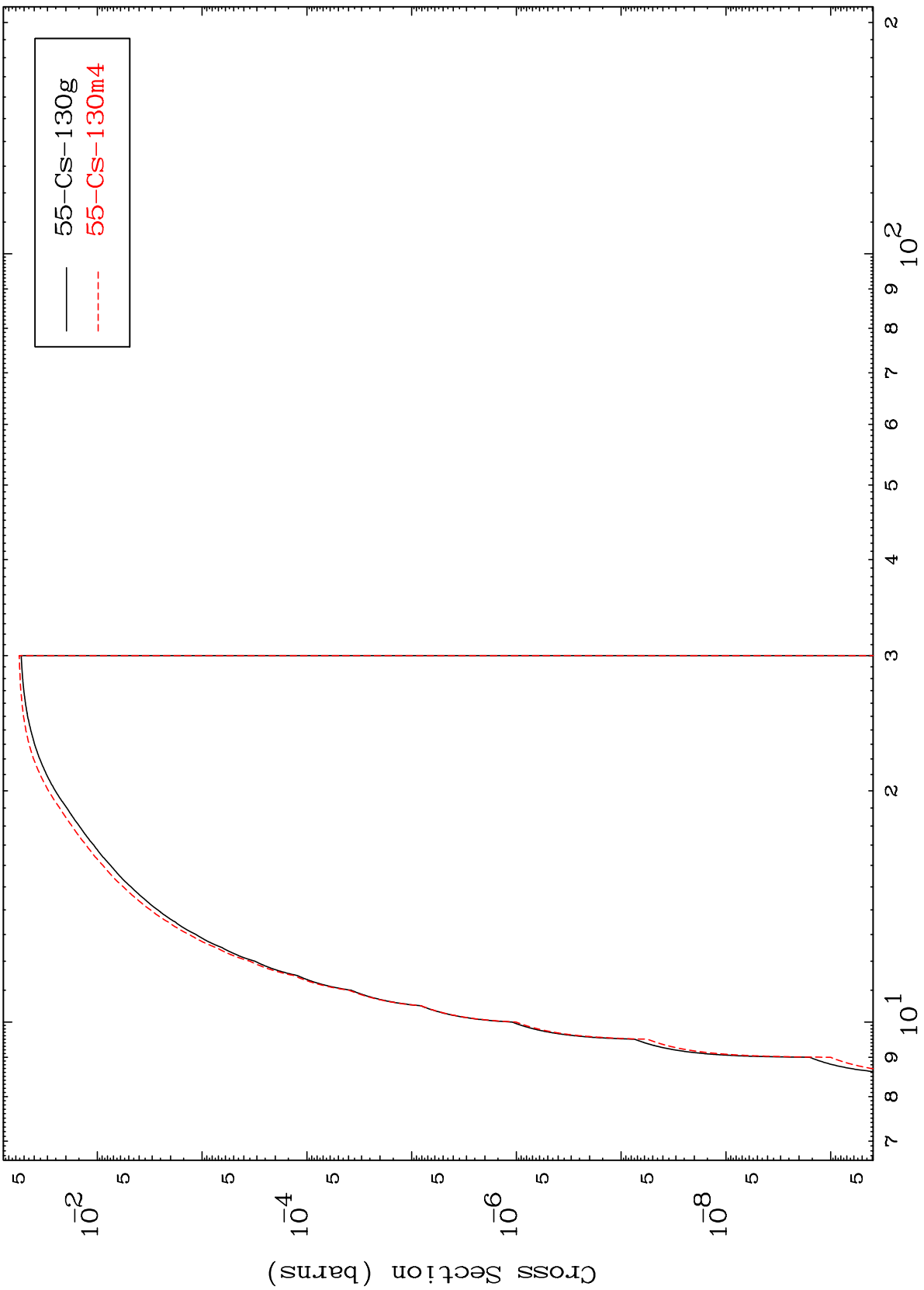
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

$(n, n')$  p  
Radionuclide Production Cross Section



23

Incident Energy (MeV)

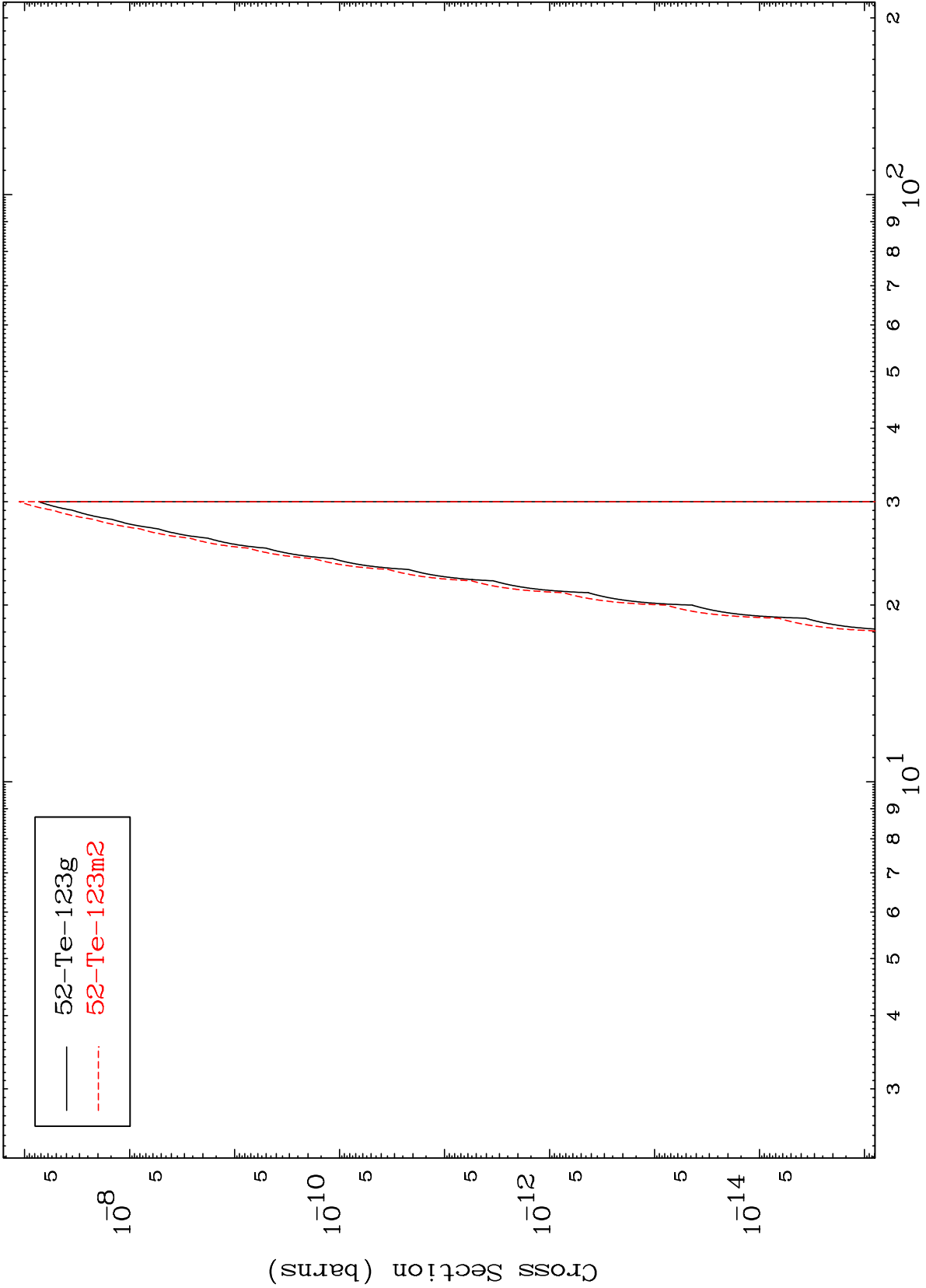
56-Ba-131m

MAT 5629

(n,n') 2α

56-Ba-131m

Radionuclide Production Cross Section



52-Te-123g  
52-Te-123m2

24

Incident Energy (MeV)

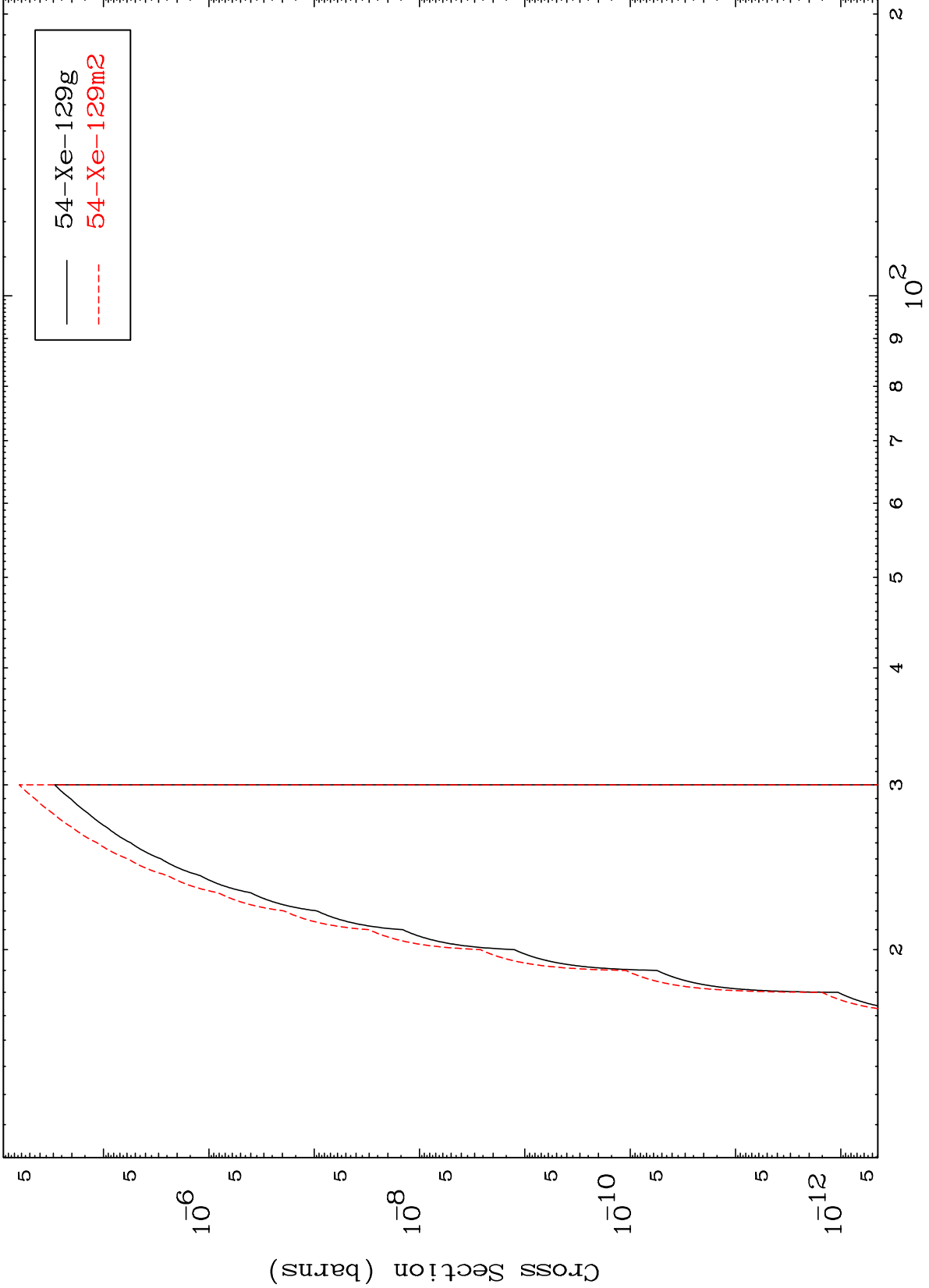
56-Ba-131m

MAT 5629

(n,2n) p

56-Ba-131m

Radionuclide Production Cross Section



25

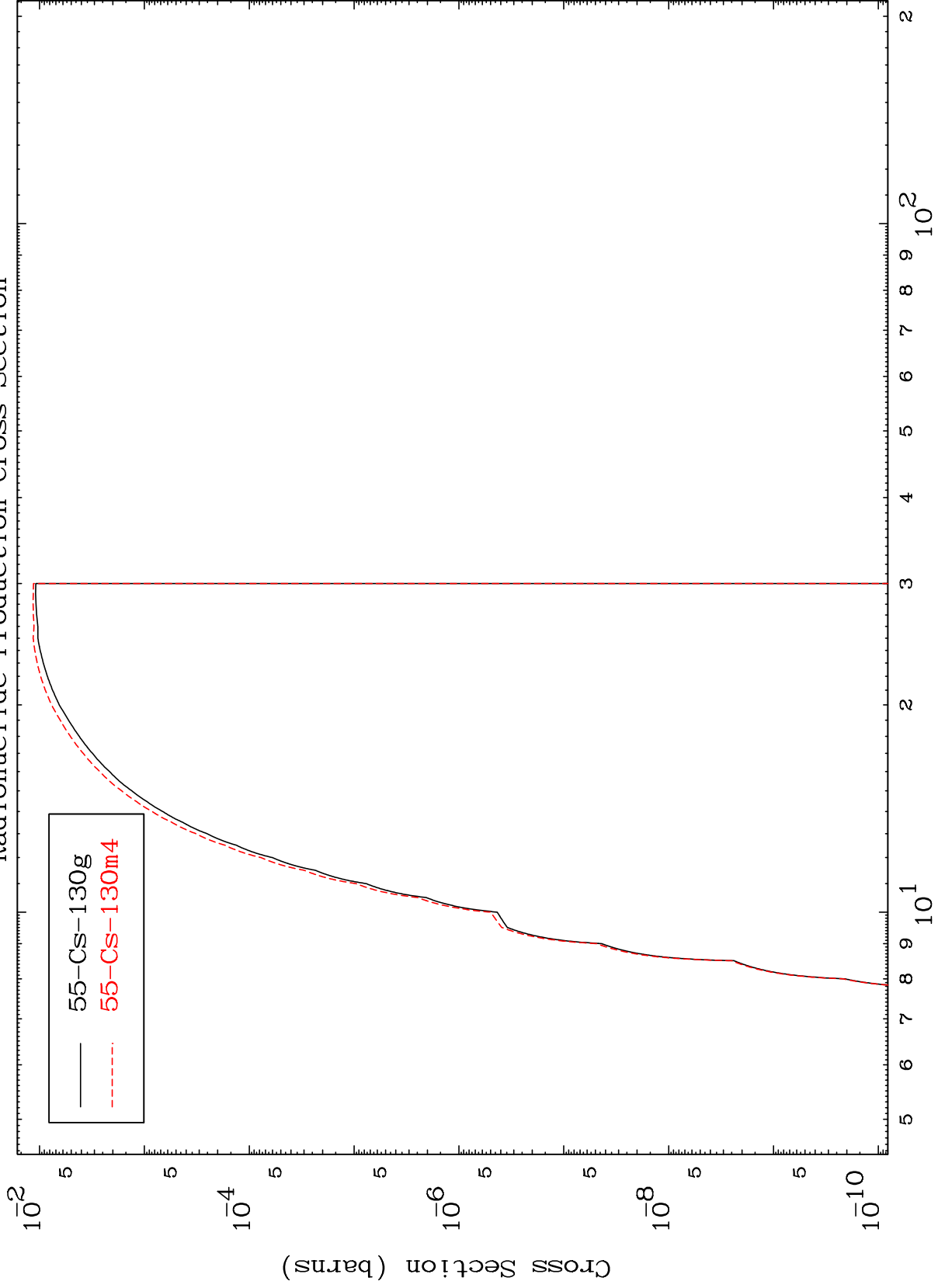
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

(n,d)  
Radionuclide Production Cross Section



26

Incident Energy (MeV)

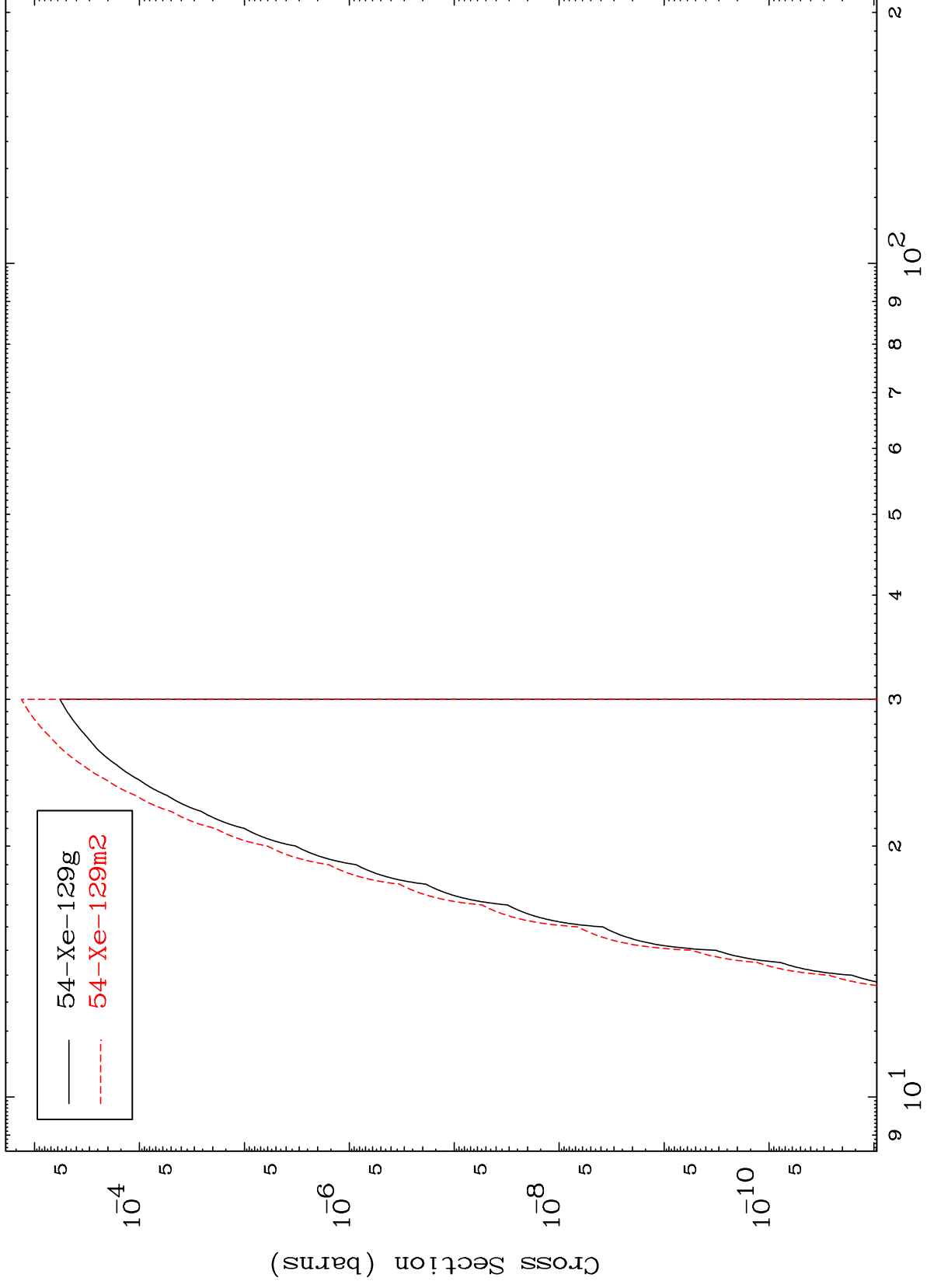
56-Ba-131m

MAT 5629

(n,He-3)

56-Ba-131m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

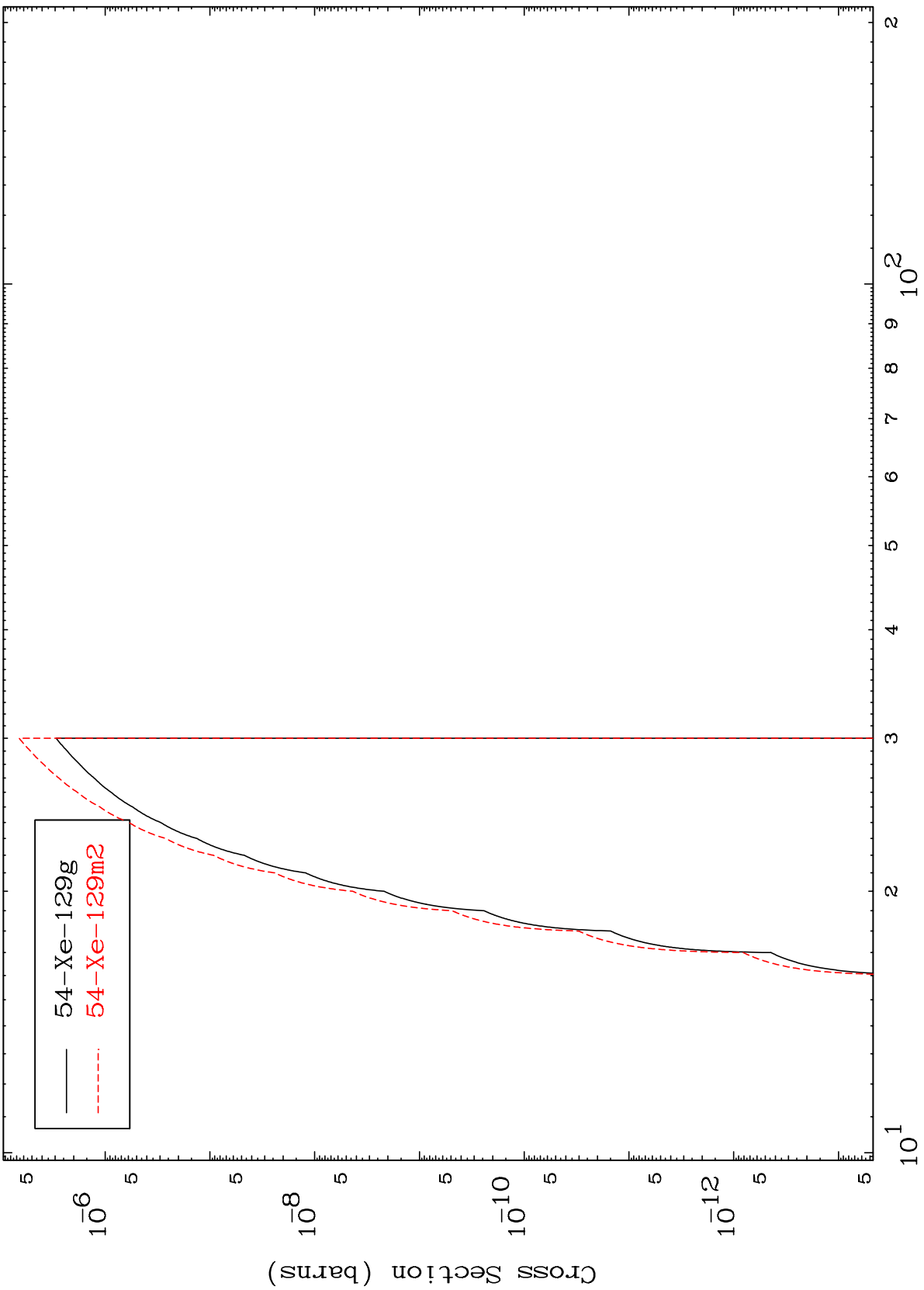
56-Ba-131m

MAT 5629

(n,p) d

56-Ba-131m

Radionuclide Production Cross Section



Incident Energy (MeV)

56-Ba-131m

28