

Program EVALPLOT  
(Version 2021-1)

by

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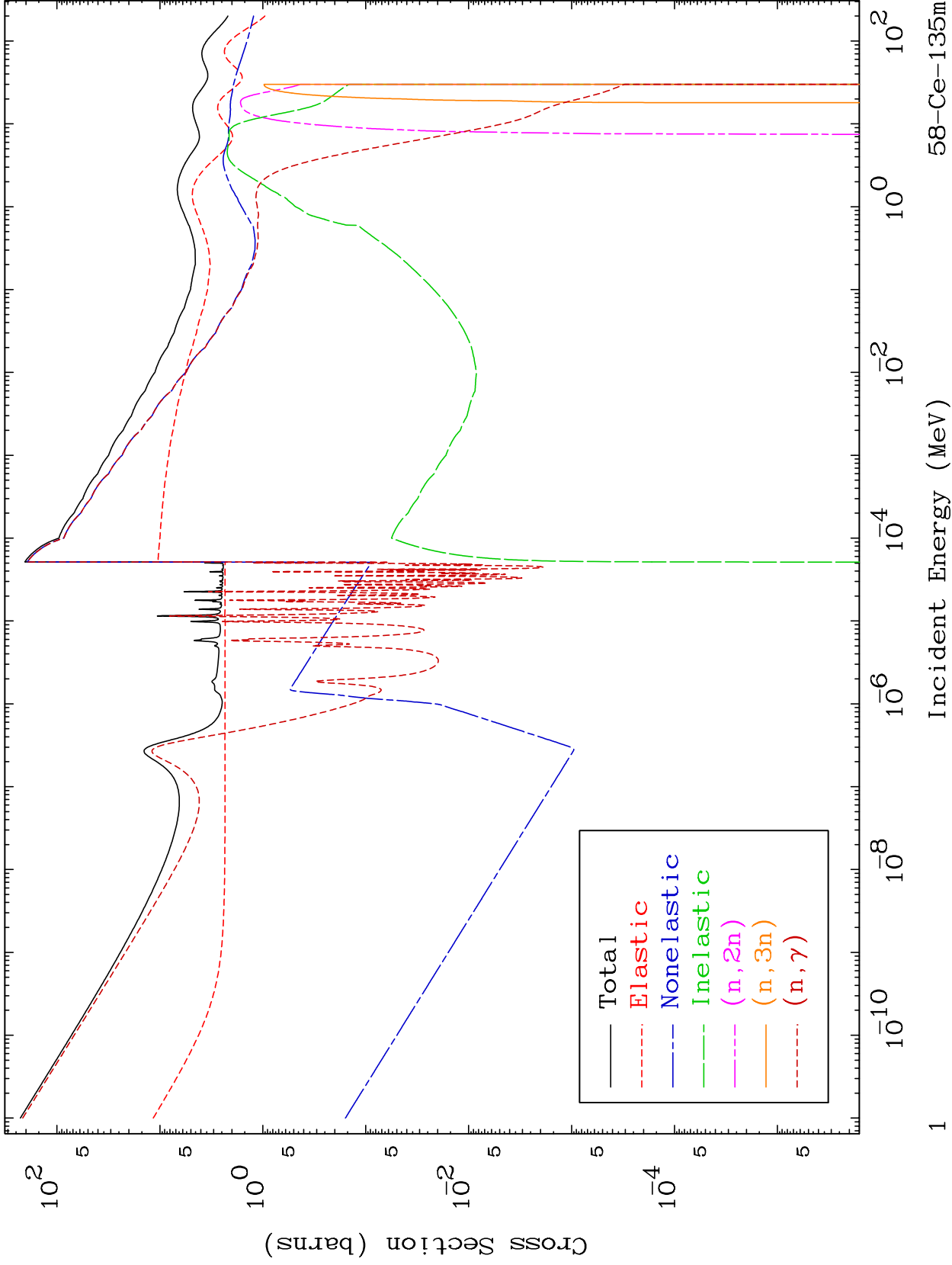
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5823

Neutron Major  
293 Kelvin Cross Sections

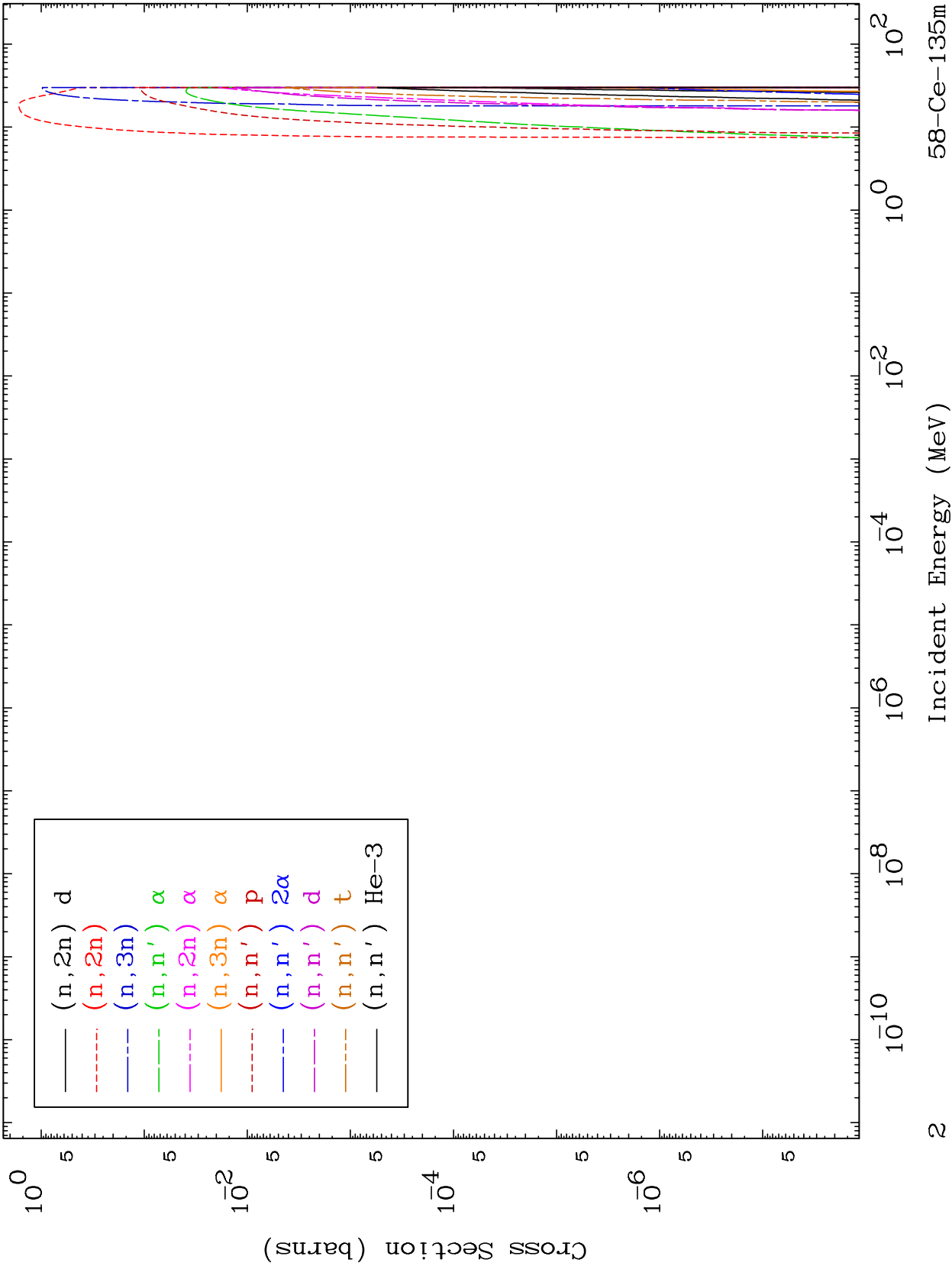
58-Ce-135m



MAT 5823

Neutron Absorption  
293 Kelvin Cross Sections

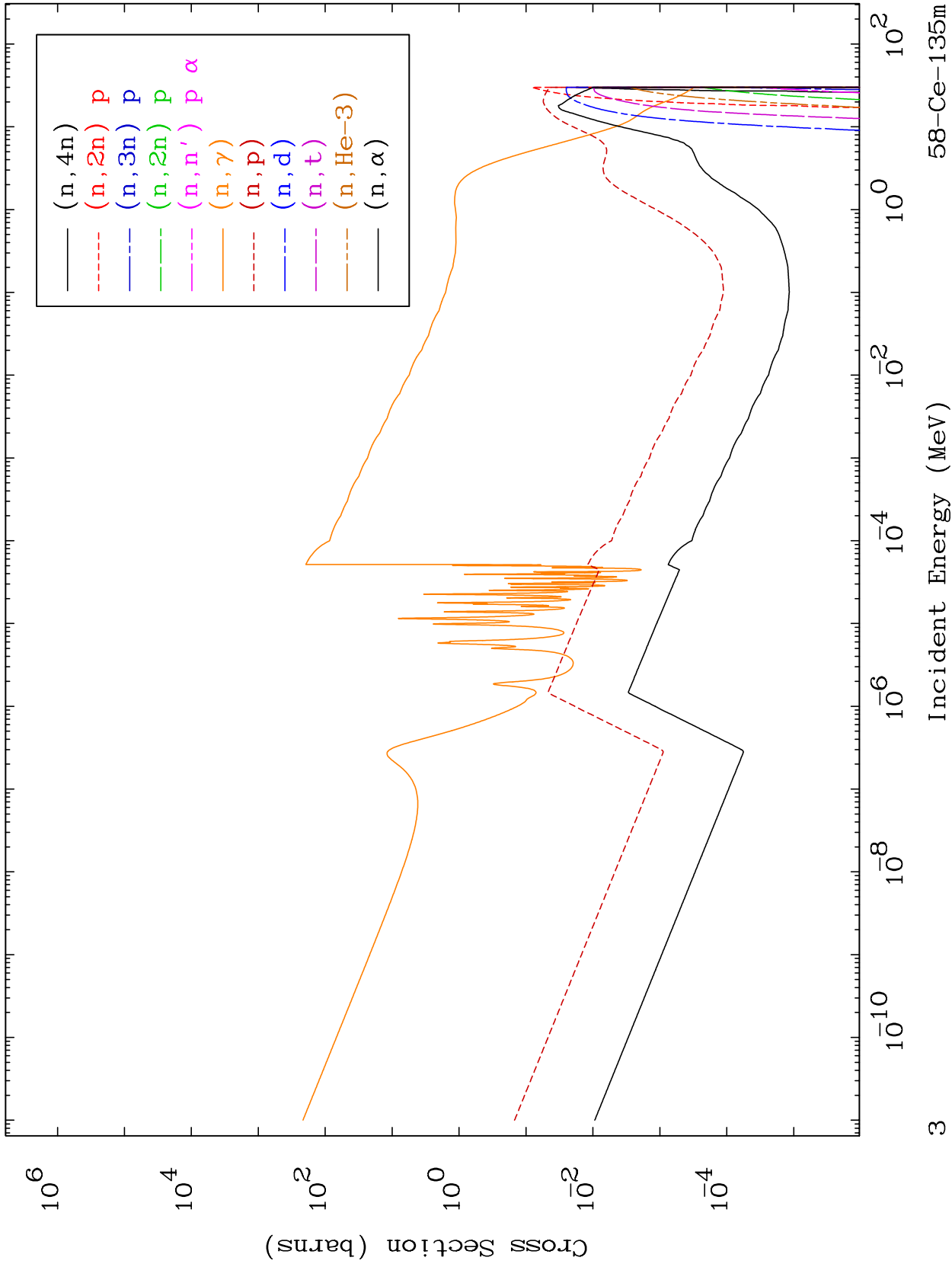
58-Ce-135m



MAT 5823

Neutron Absorption  
293 Kelvin Cross Sections

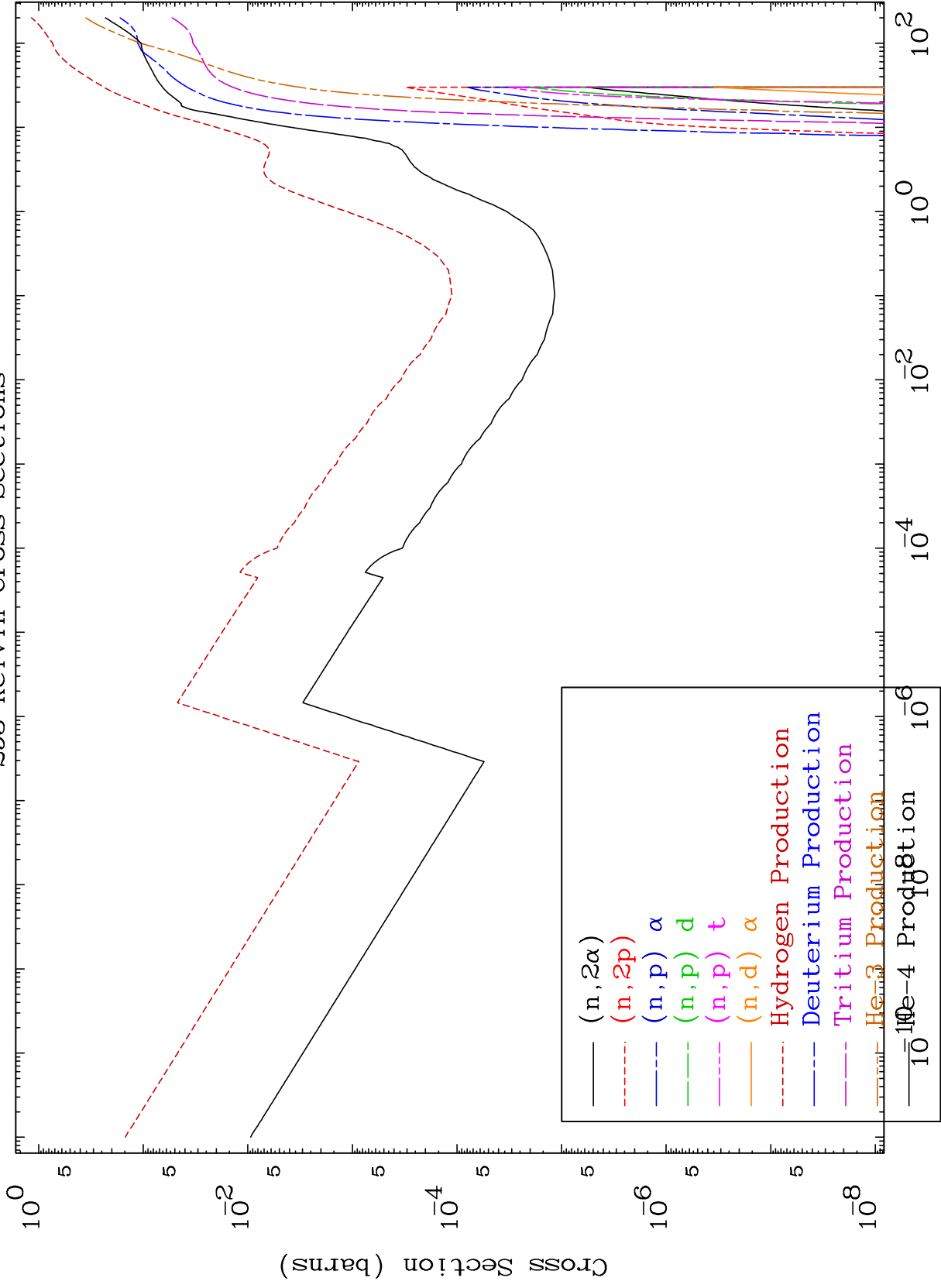
58-Ce-135m



MAT 5823

Neutron Absorption  
293 Kelvin Cross Sections

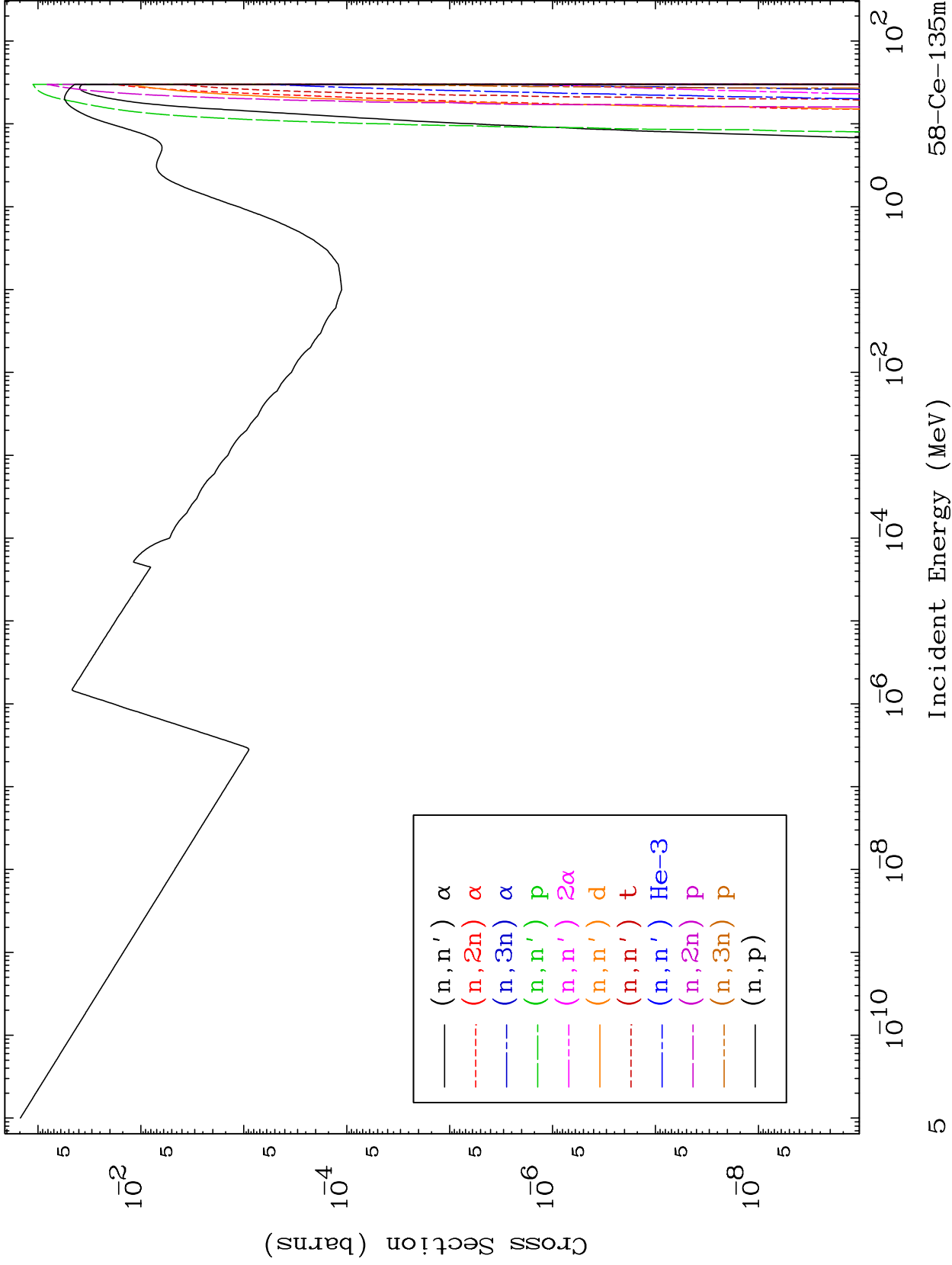
58-Ce-135m



MAT 5823

Charged Particle  
293 Kelvin Cross Sections

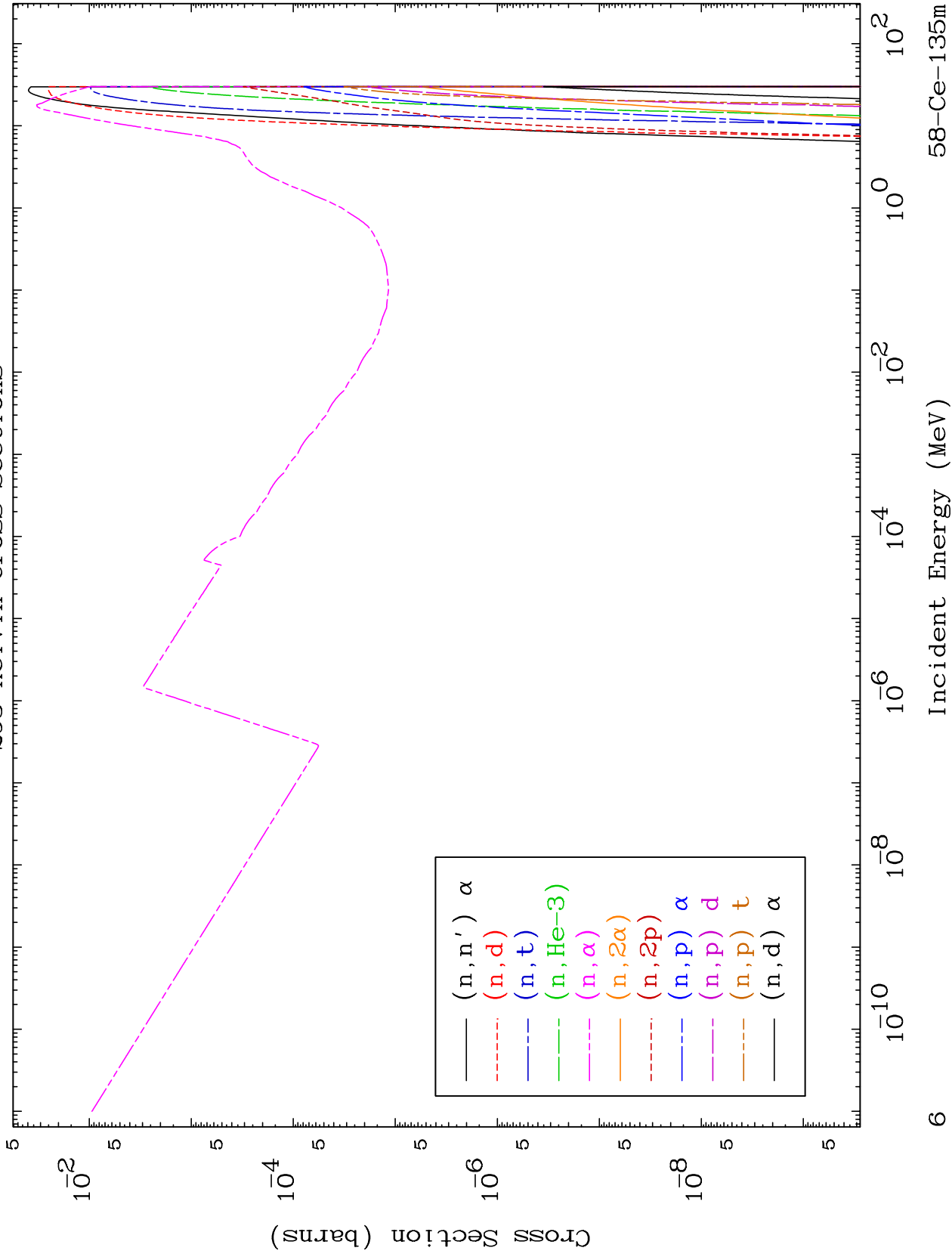
58-Ce-135m



MAT 5823

Charged Particle  
293 Kelvin Cross Sections

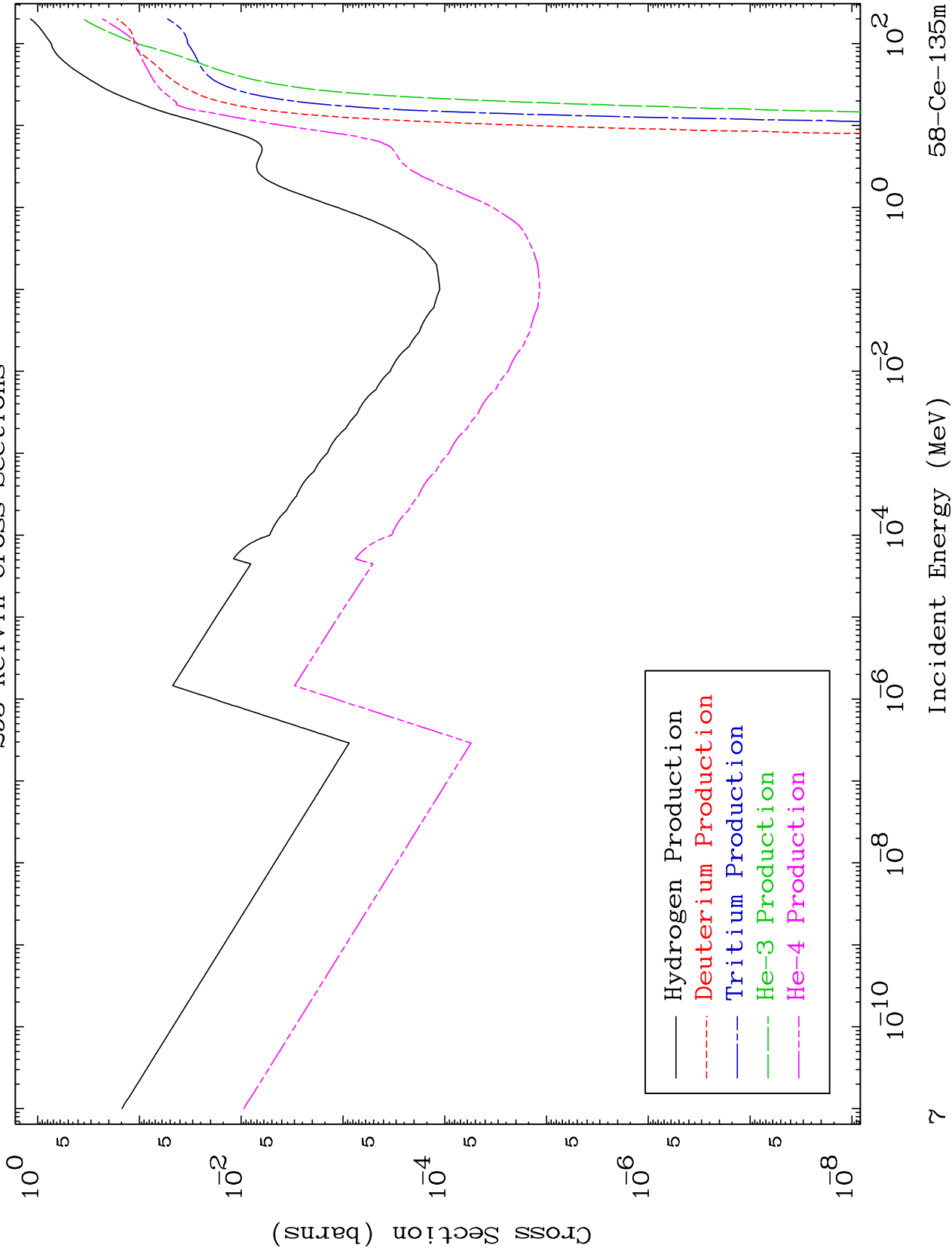
58-Ce-135m



MAT 5823

Particle Production  
293 Kelvin Cross Sections

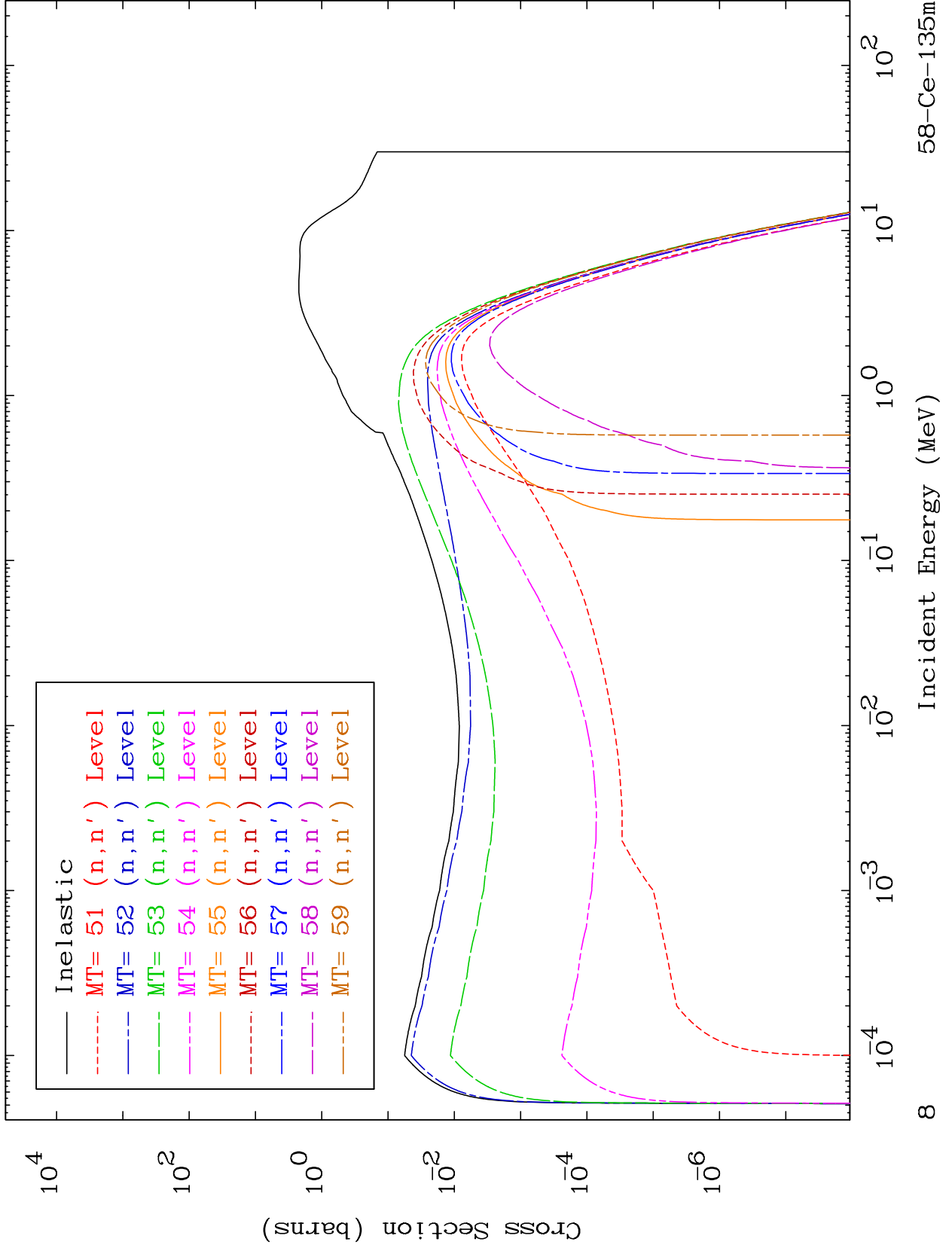
58-Ce-135m



MAT 5823

(n,n') Levels  
293 Kelvin Cross Sections

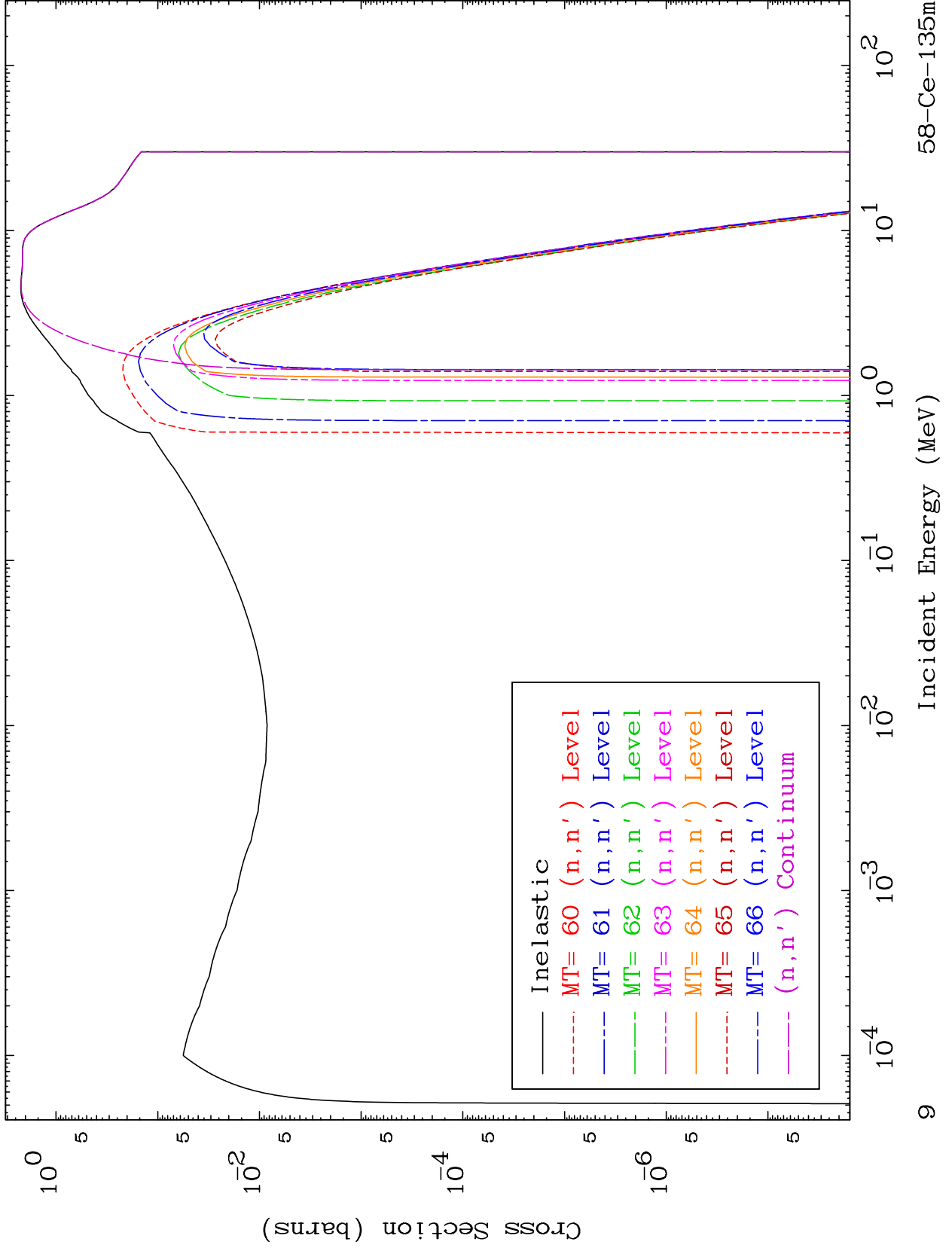
58-Ce-135m



MAT 5823

(n,n') Levels  
293 Kelvin Cross Sections

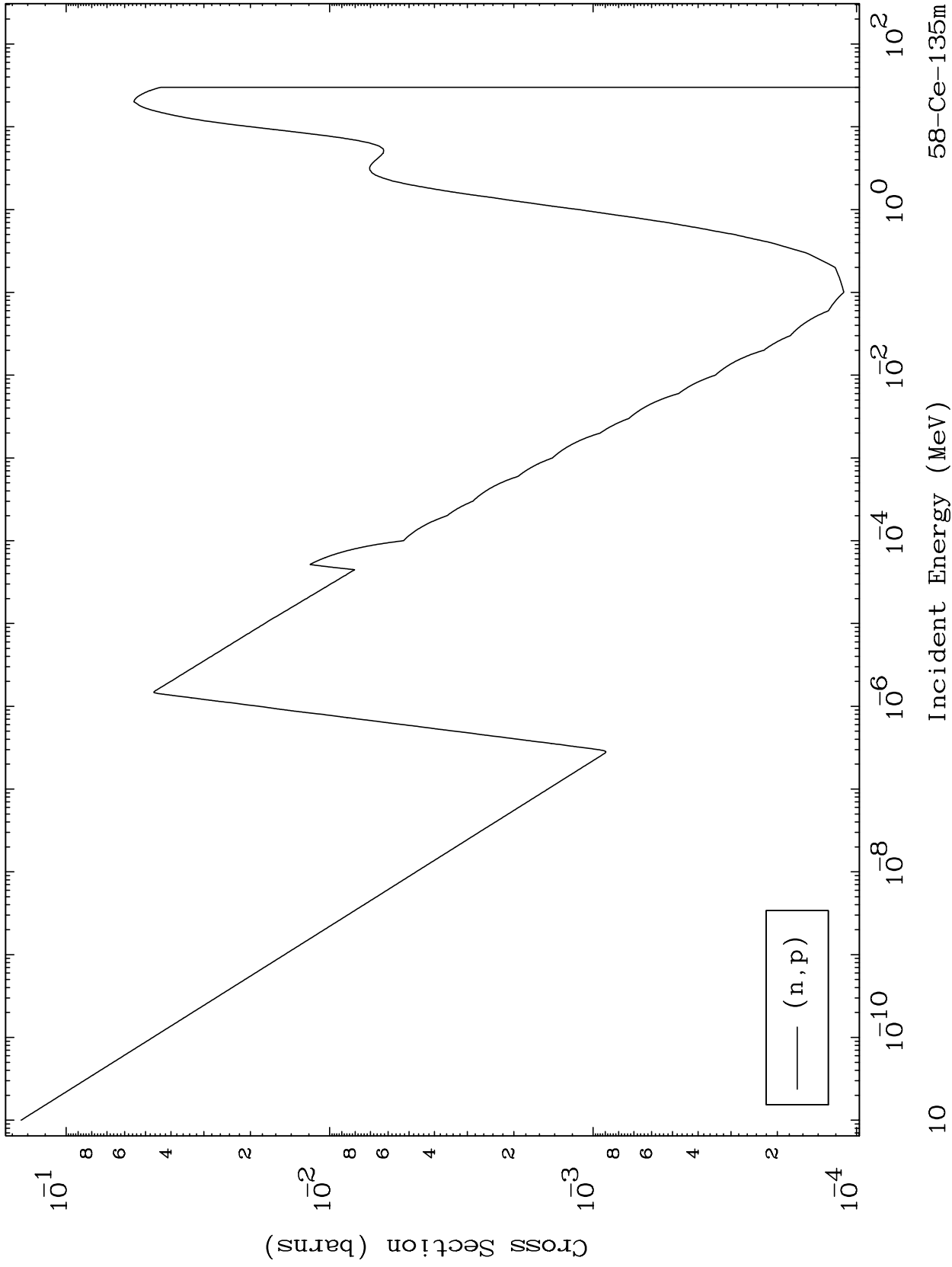
58-Ce-135m



MAT 5823

(n,p) Levels  
293 Kelvin Cross Sections

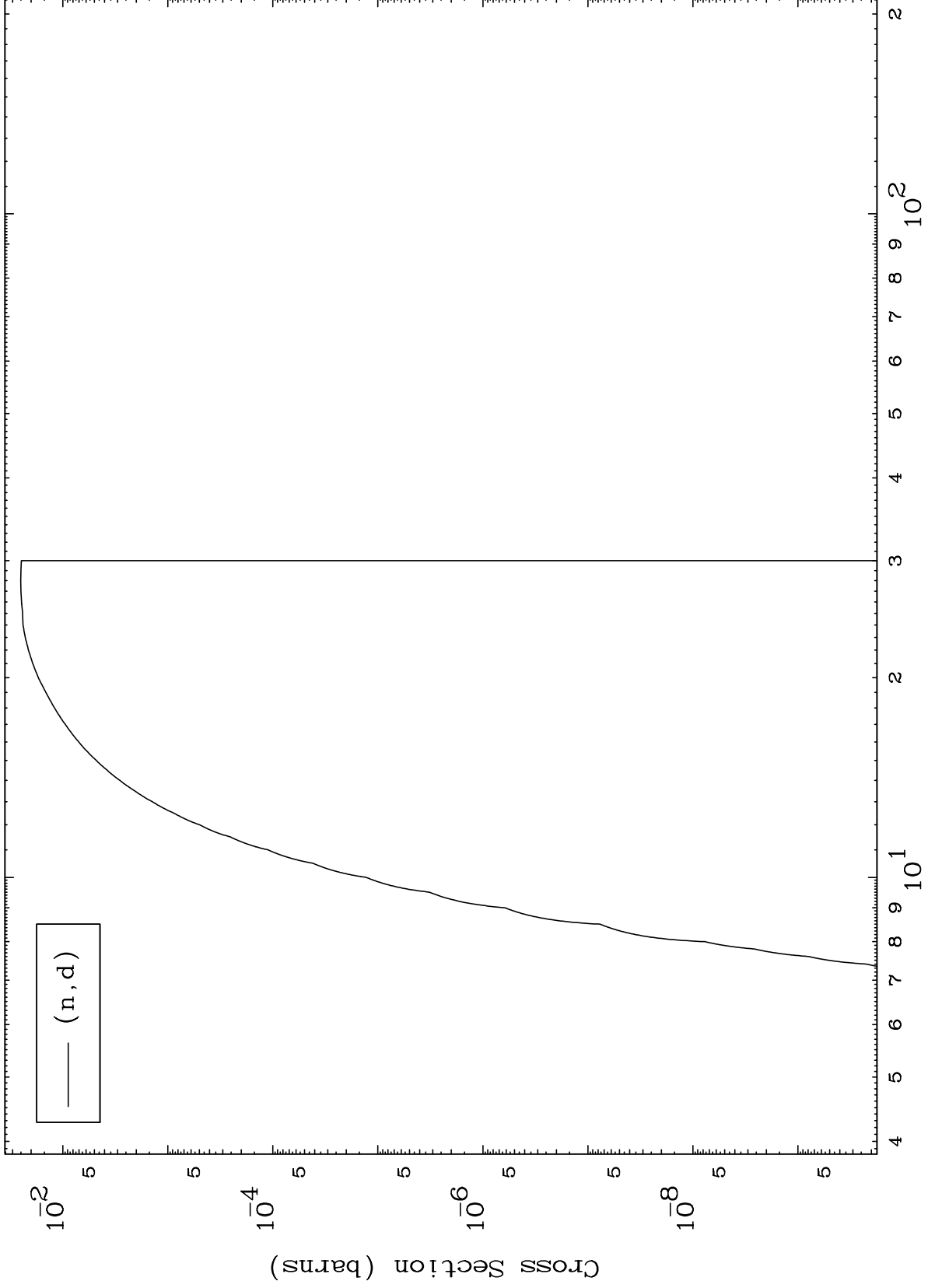
58-Ce-135m



MAT 5823

(n,d) Levels  
293 Kelvin Cross Sections

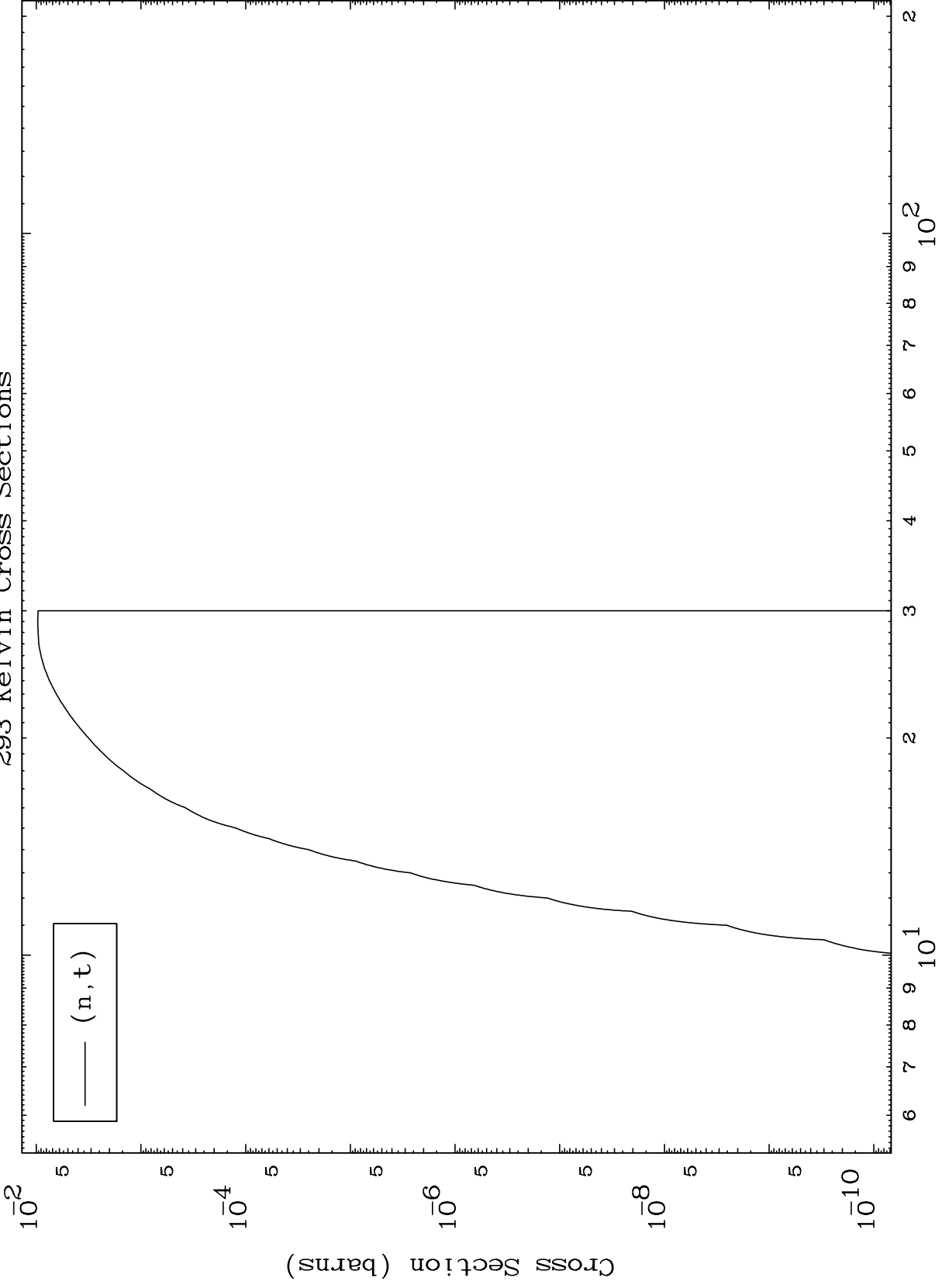
58-Ce-135m



MAT 5823

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-135m



12

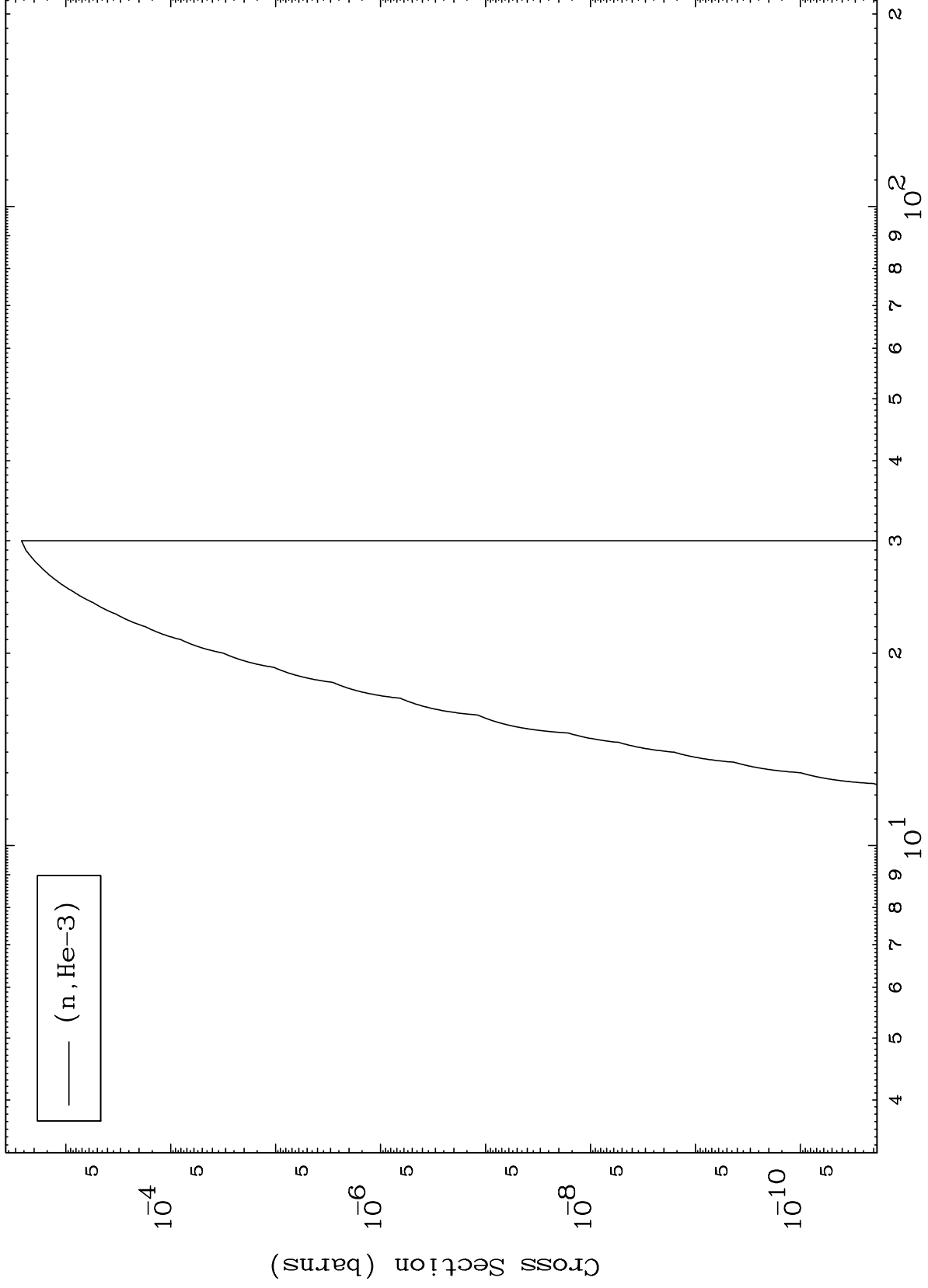
Incident Energy (MeV)

58-Ce-135m

MAT 5823

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-135m



13

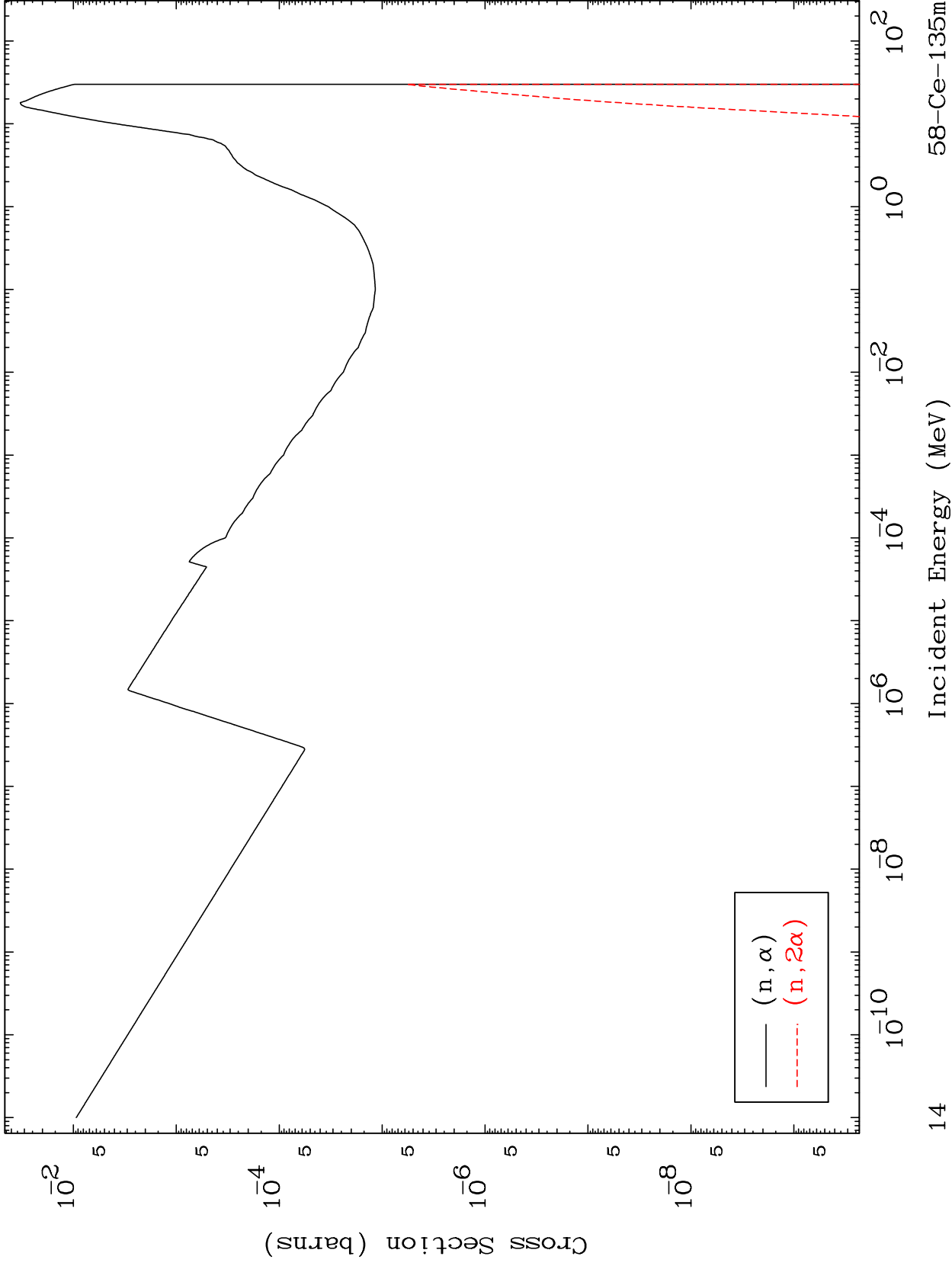
Incident Energy (MeV)

58-Ce-135m

MAT 5823

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

58-Ce-135m

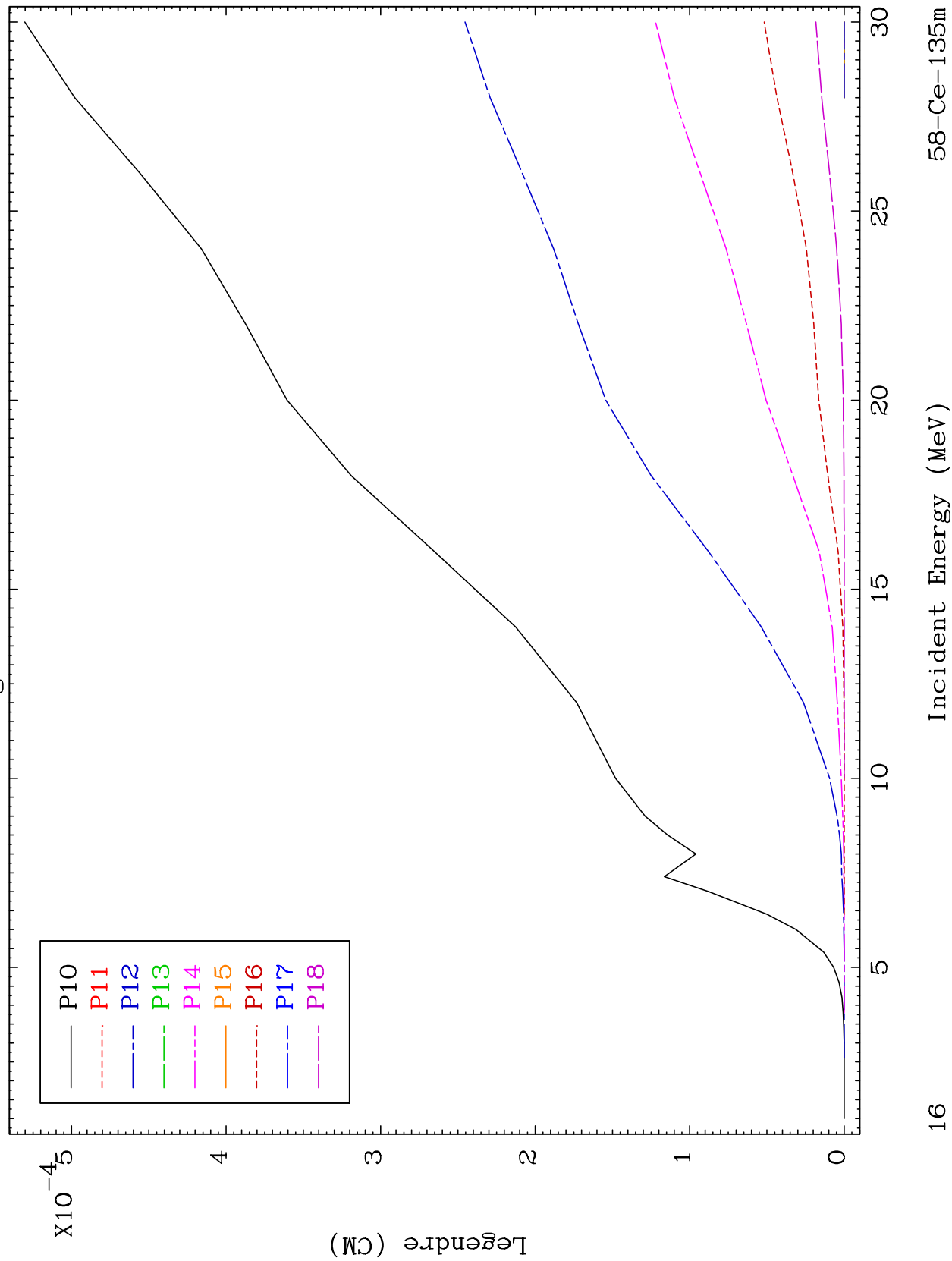




MAT 5823

Elastic Legendre Coefficients

58-Ce-135m



16

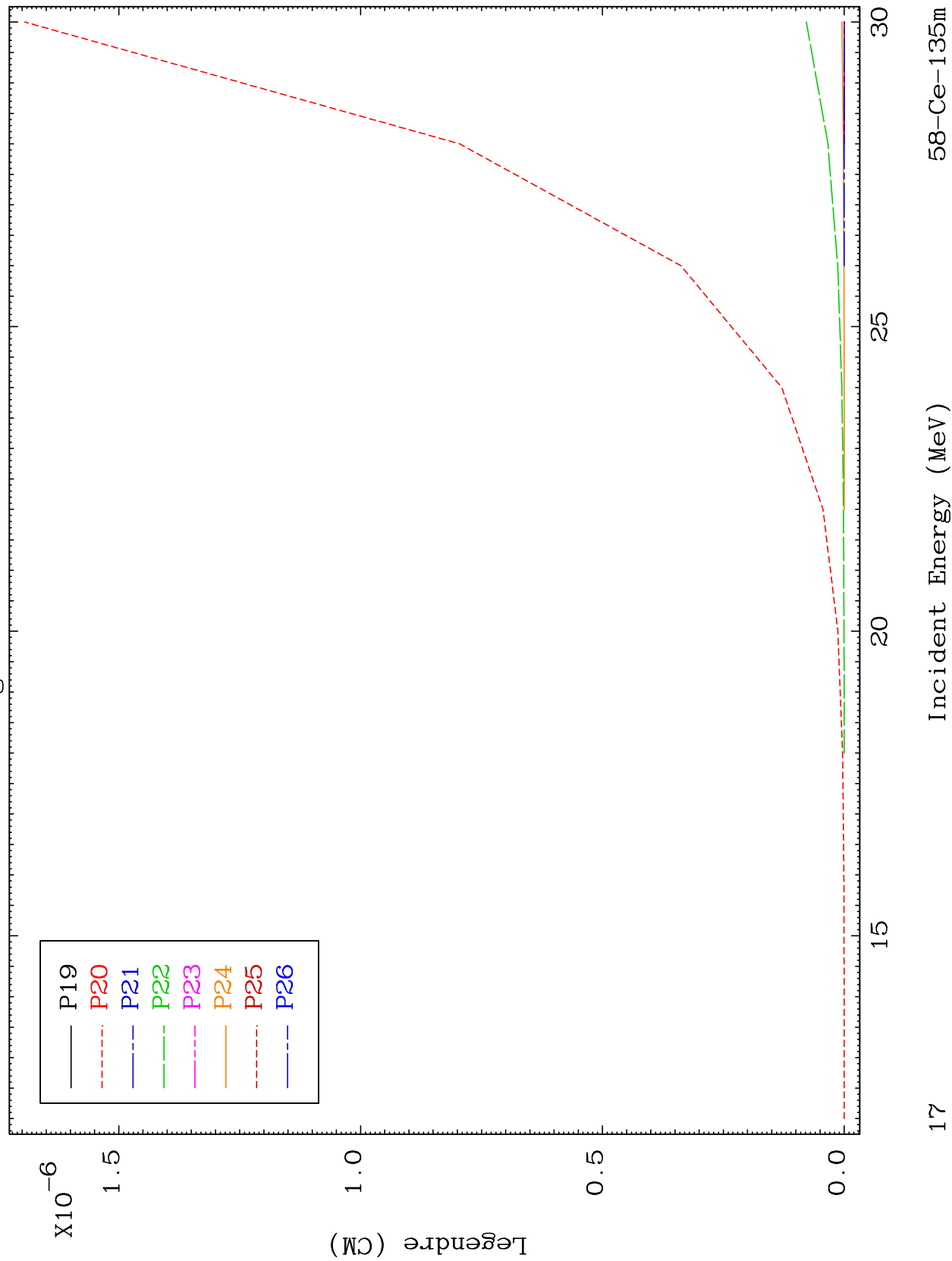
58-Ce-135m

Incident Energy (MeV)

MAT 5823

Elastic  
Legendre Coefficients

58-Ce-135m



17

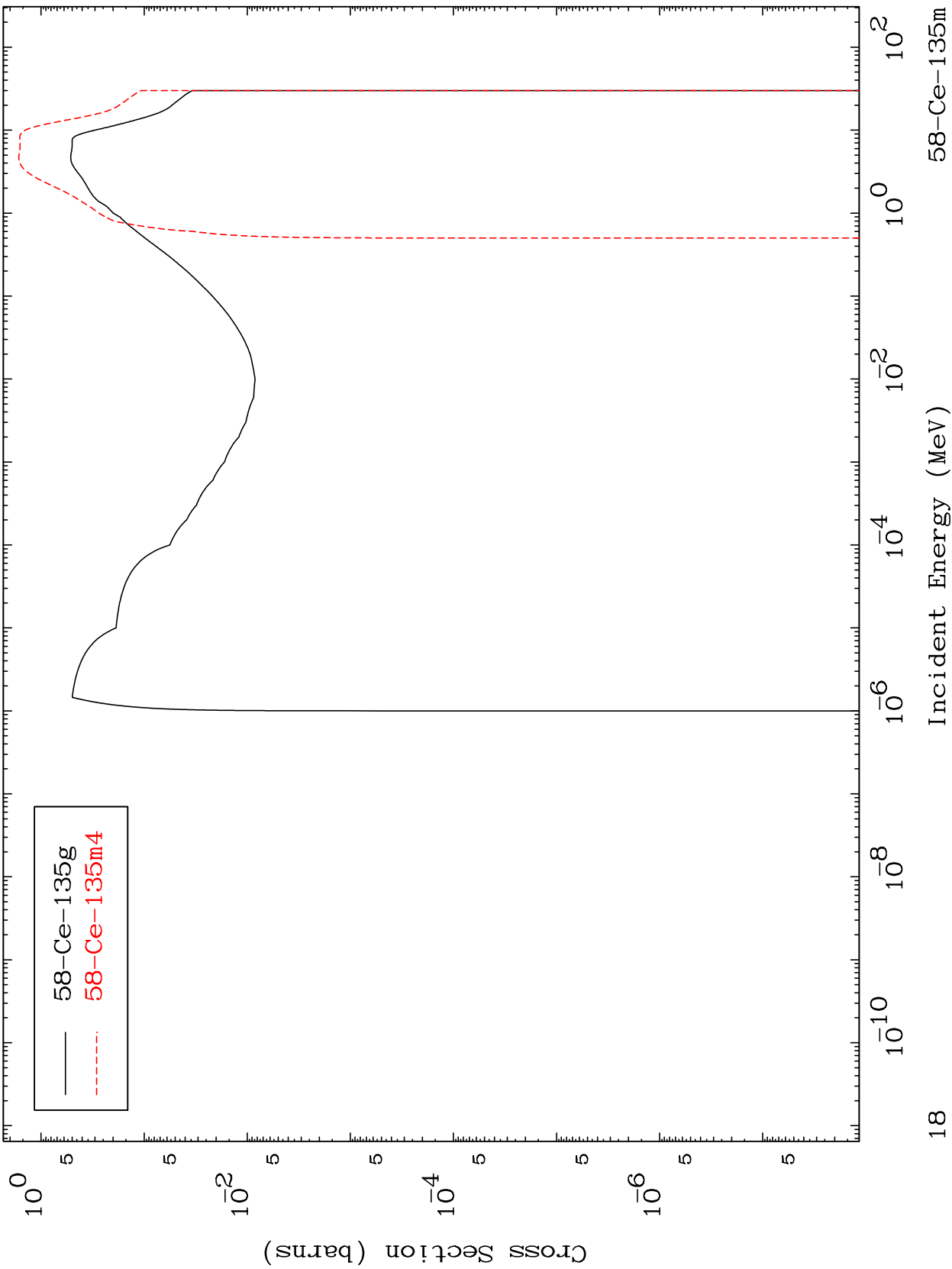
Incident Energy (MeV)

58-Ce-135m

MAT 5823

58-Ce-135m

Inelastic  
Radionuclide Production Cross Section

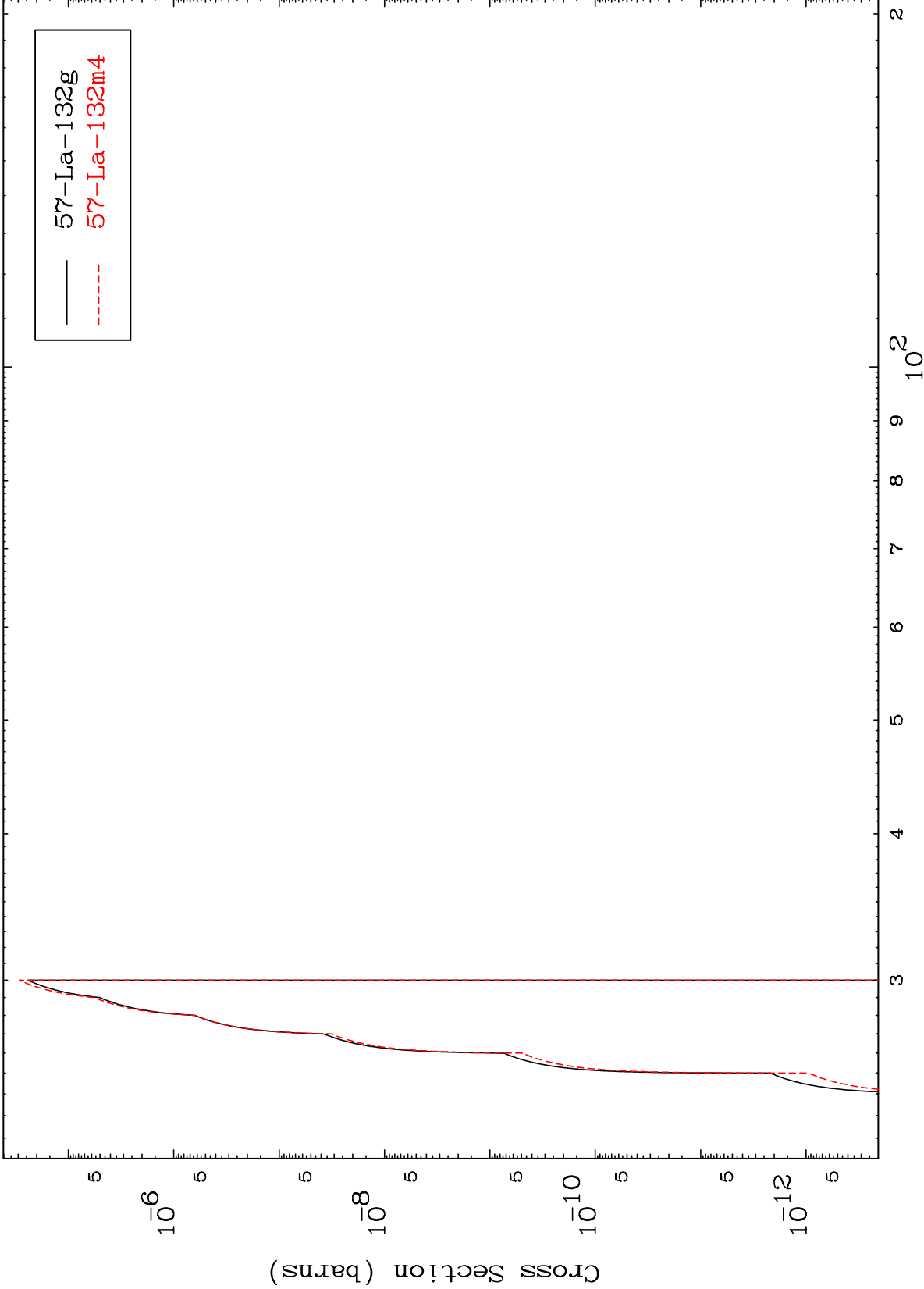


MAT 5823

(n,2n) d

58-Ce-135m

Radionuclide Production Cross Section



19

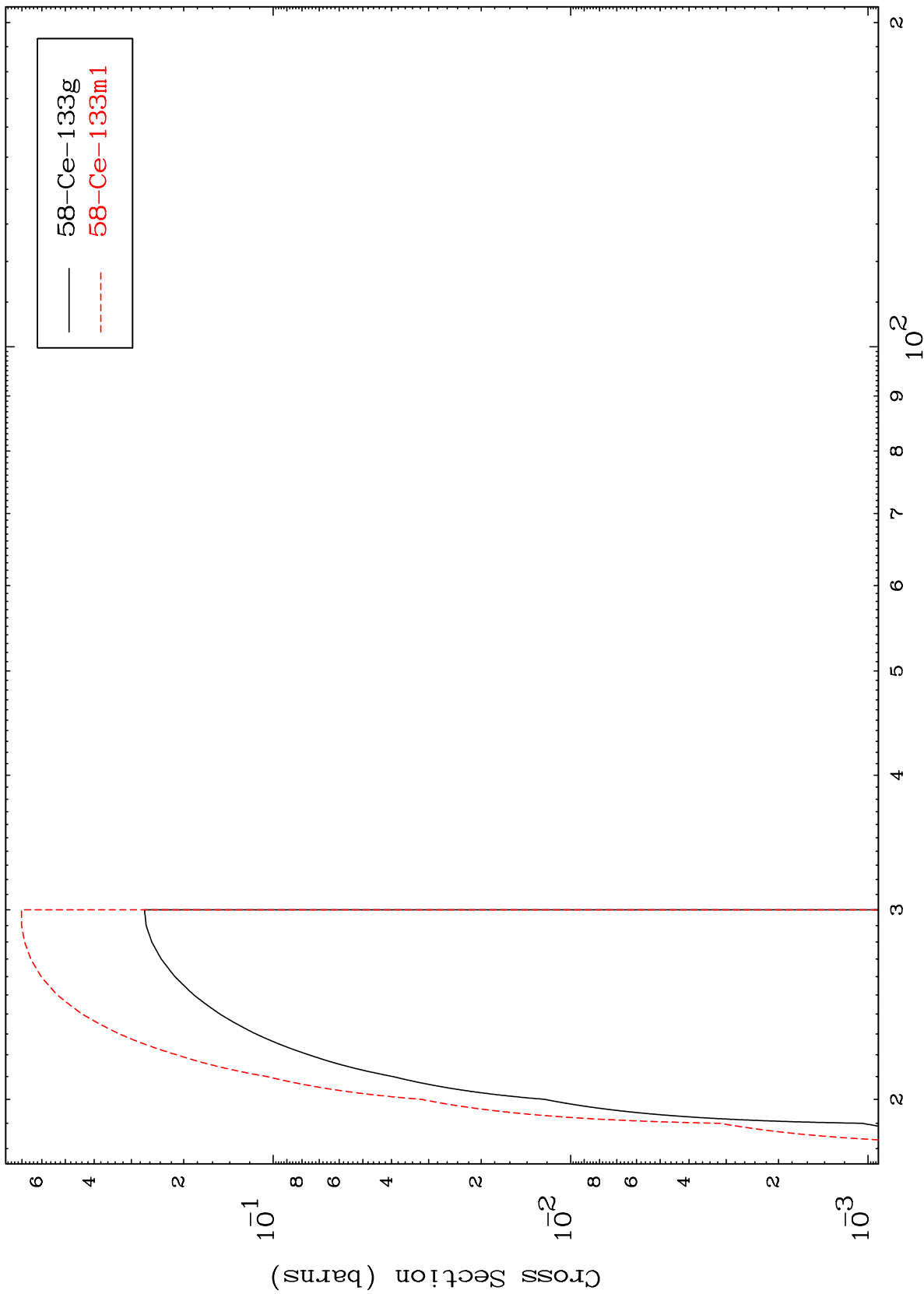
Incident Energy (MeV)

58-Ce-135m

MAT 5823

58-Ce-135m

(n,3n)  
Radionuclide Production Cross Section



58-Ce-135m

Incident Energy (MeV)

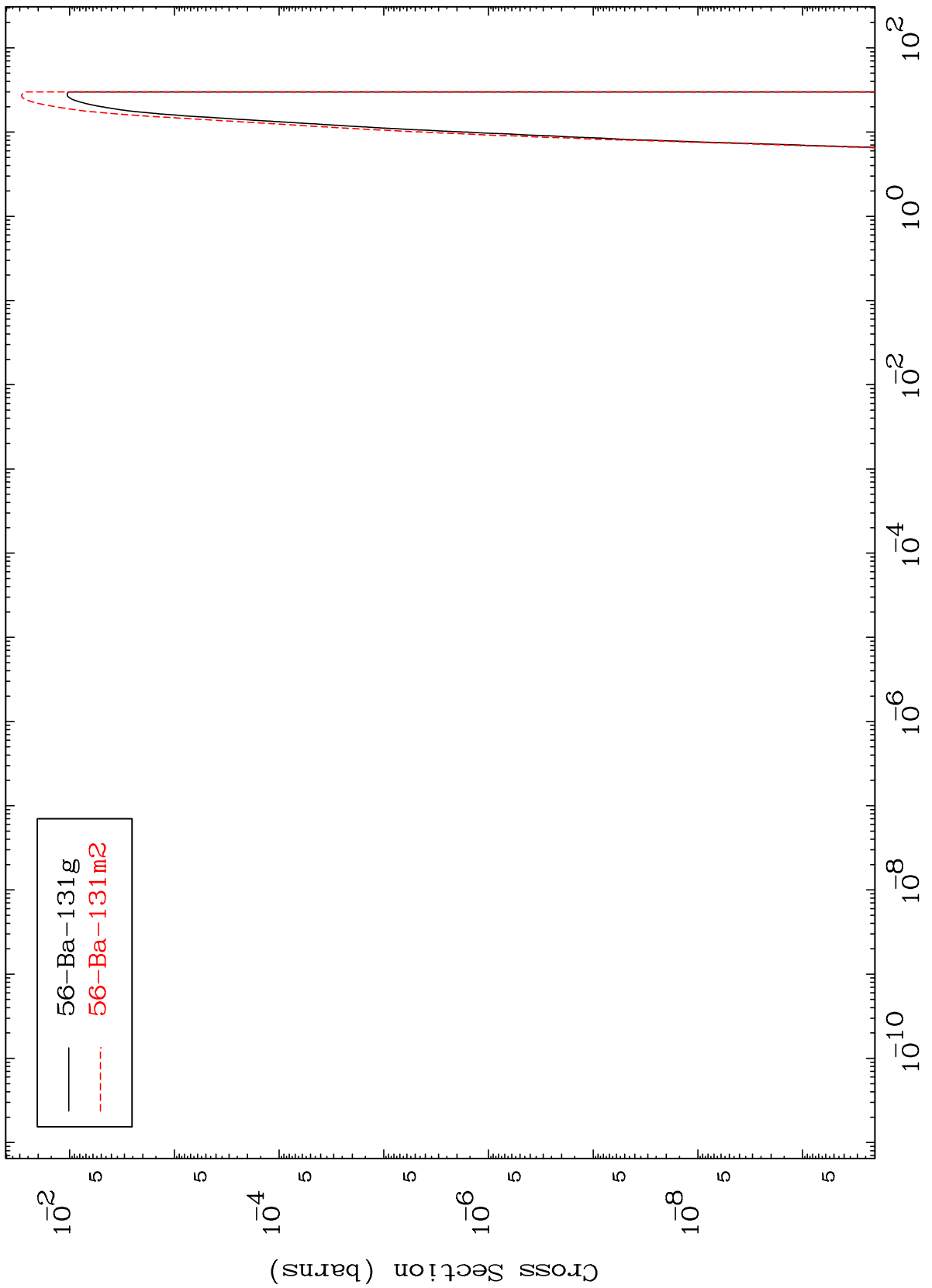
20

MAT 5823

$(n, n')$   $\alpha$

58-Ce-135m

Radionuclide Production Cross Section

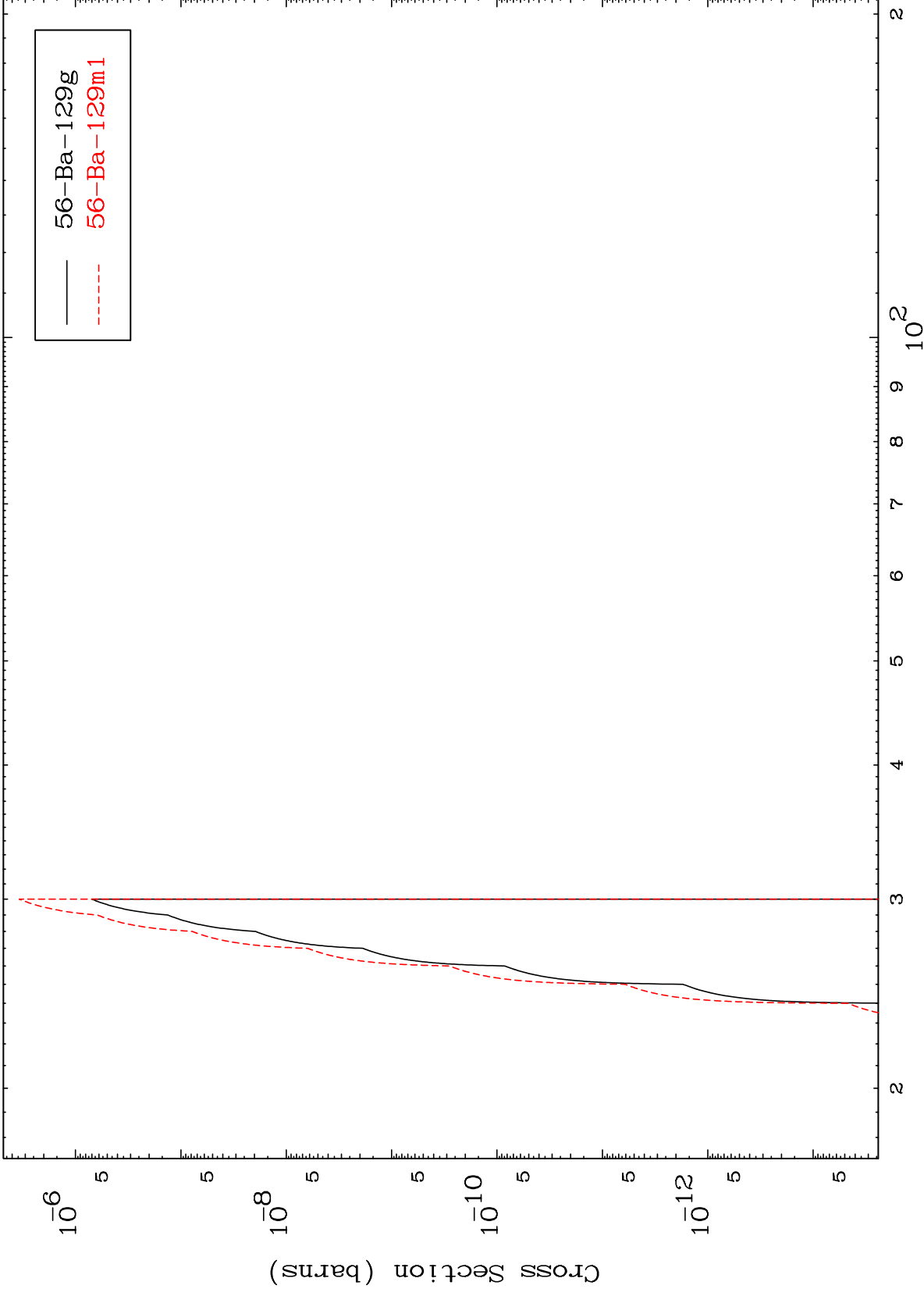


MAT 5823

(n,3n)  $\alpha$

58-Ce-135m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

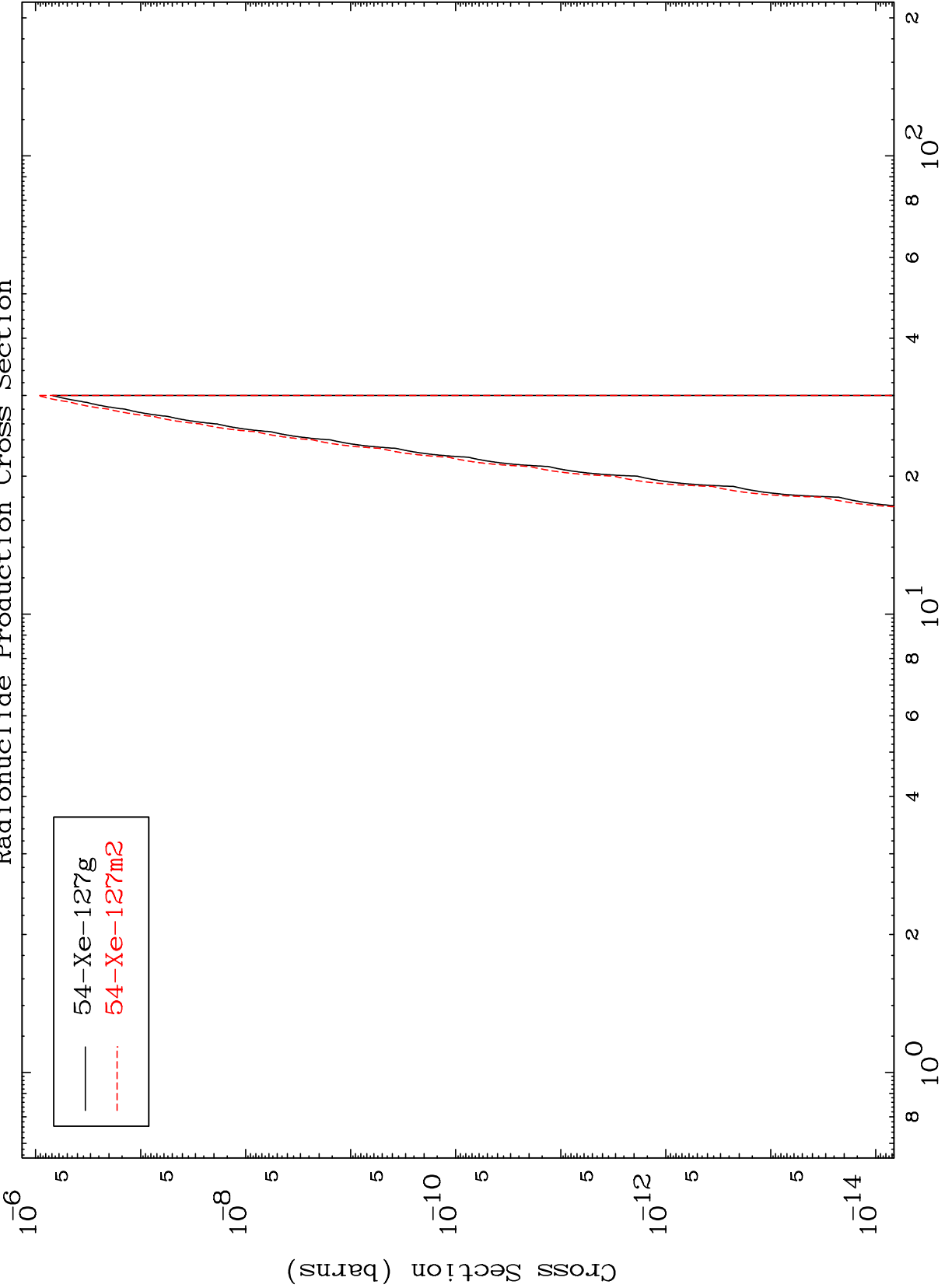
58-Ce-135m

MAT 5823

(n,n') 2 $\alpha$

58-Ce-135m

Radionuclide Production Cross Section



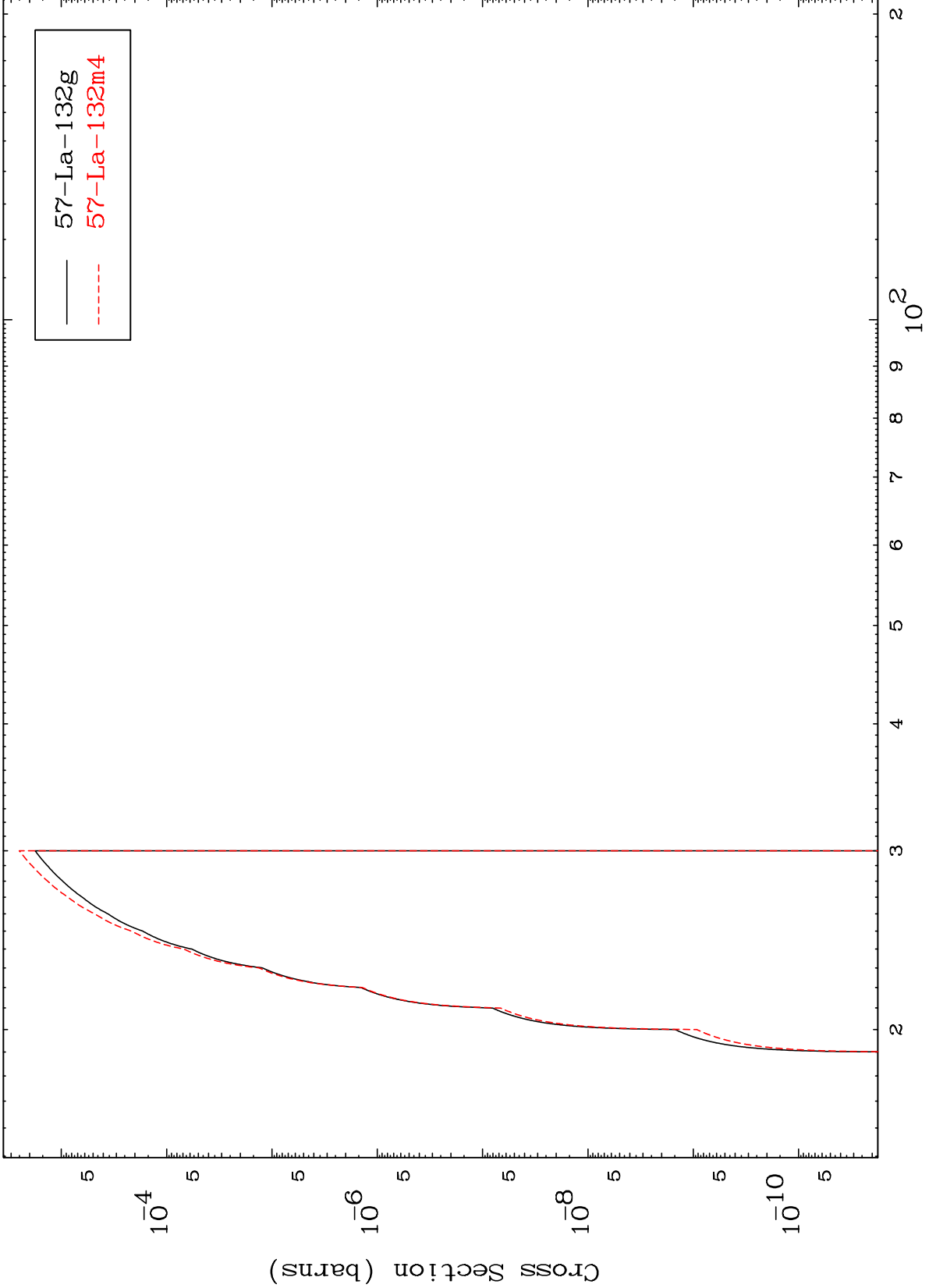
54-Xe-127g  
54-Xe-127m2

MAT 5823

(n,n') t

58-Ce-135m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

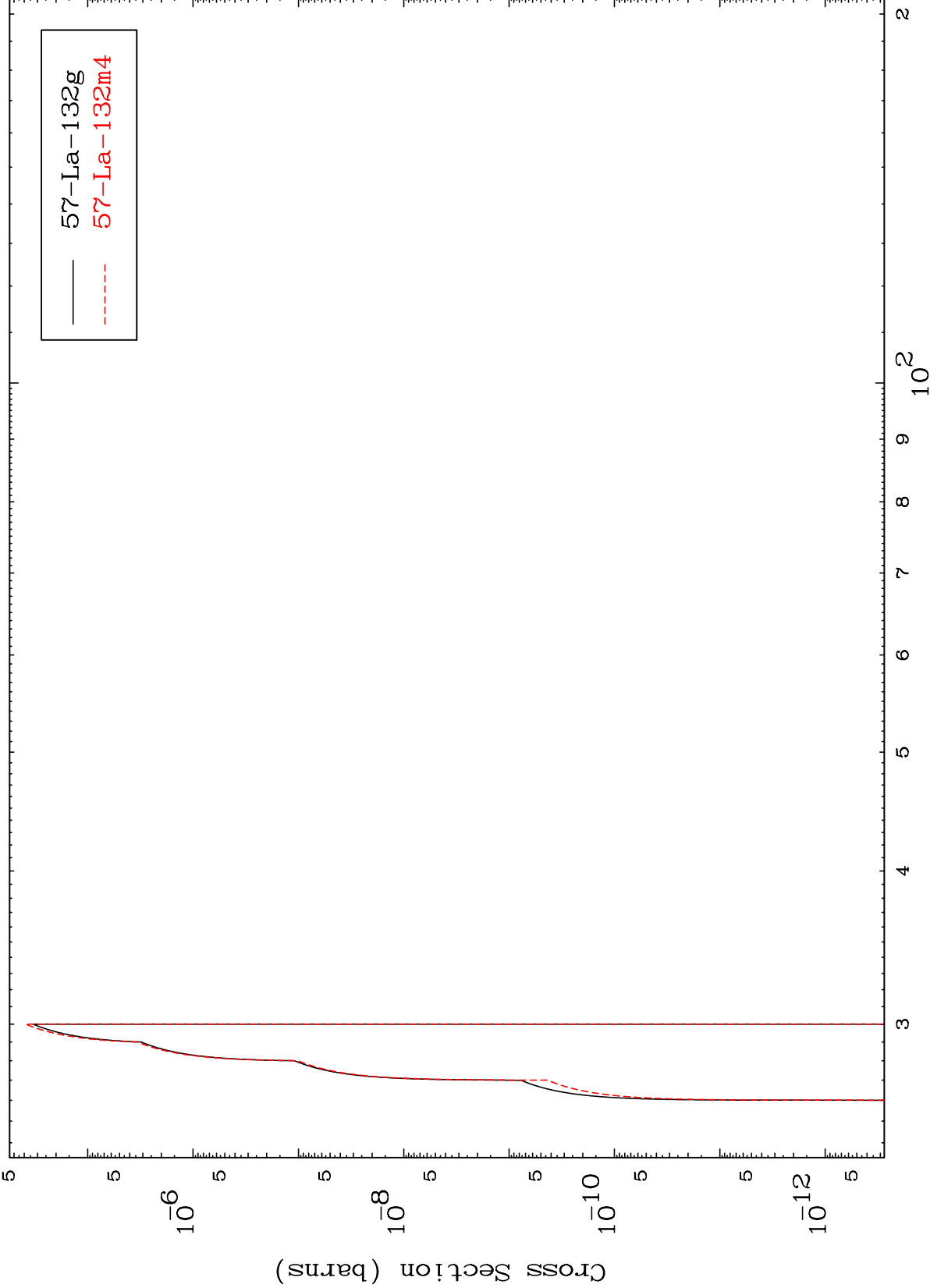
58-Ce-135m

MAT 5823

(n,3n) p

58-Ce-135m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

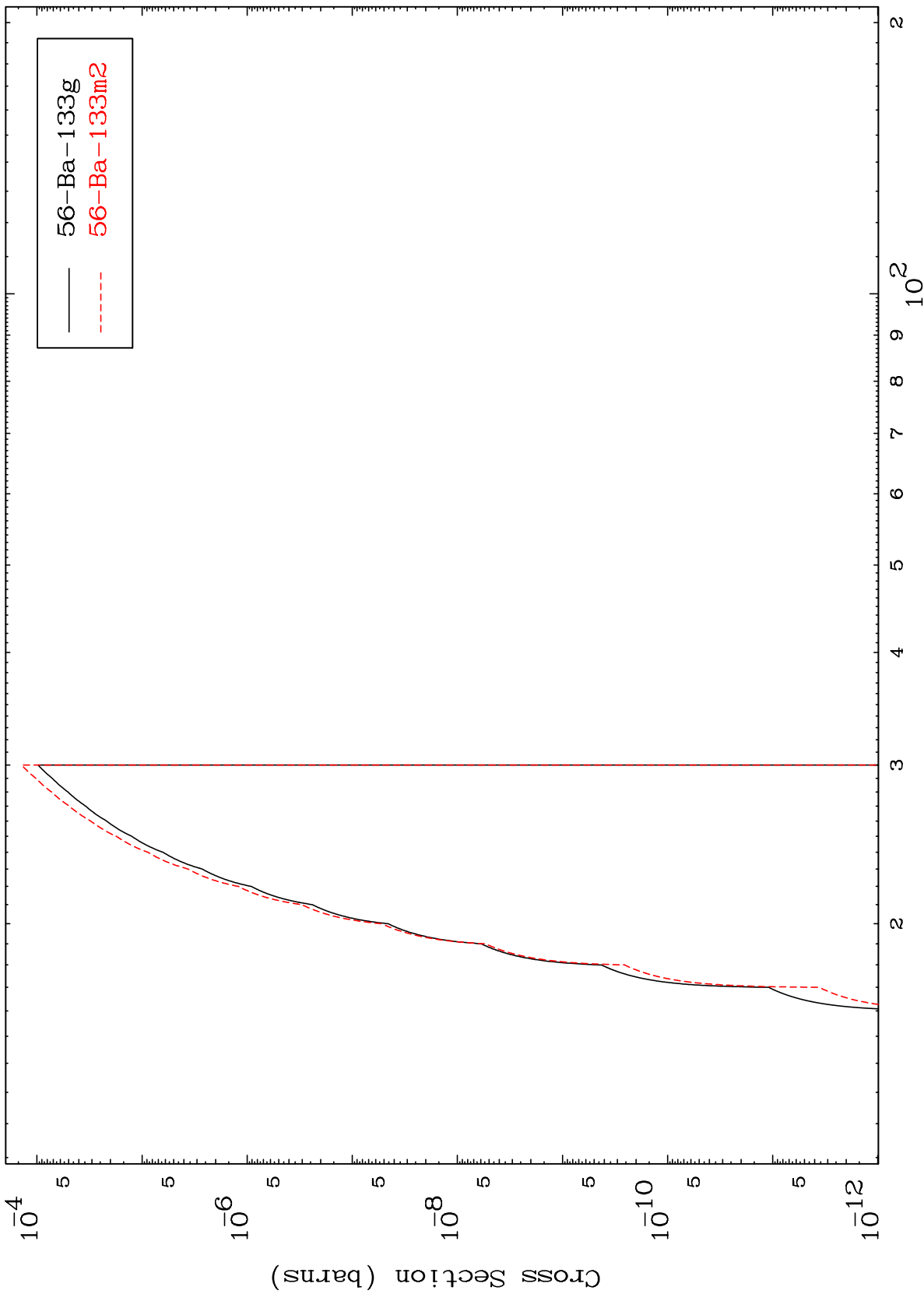
58-Ce-135m

MAT 5823

(n,2n) p

58-Ce-135m

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-135m

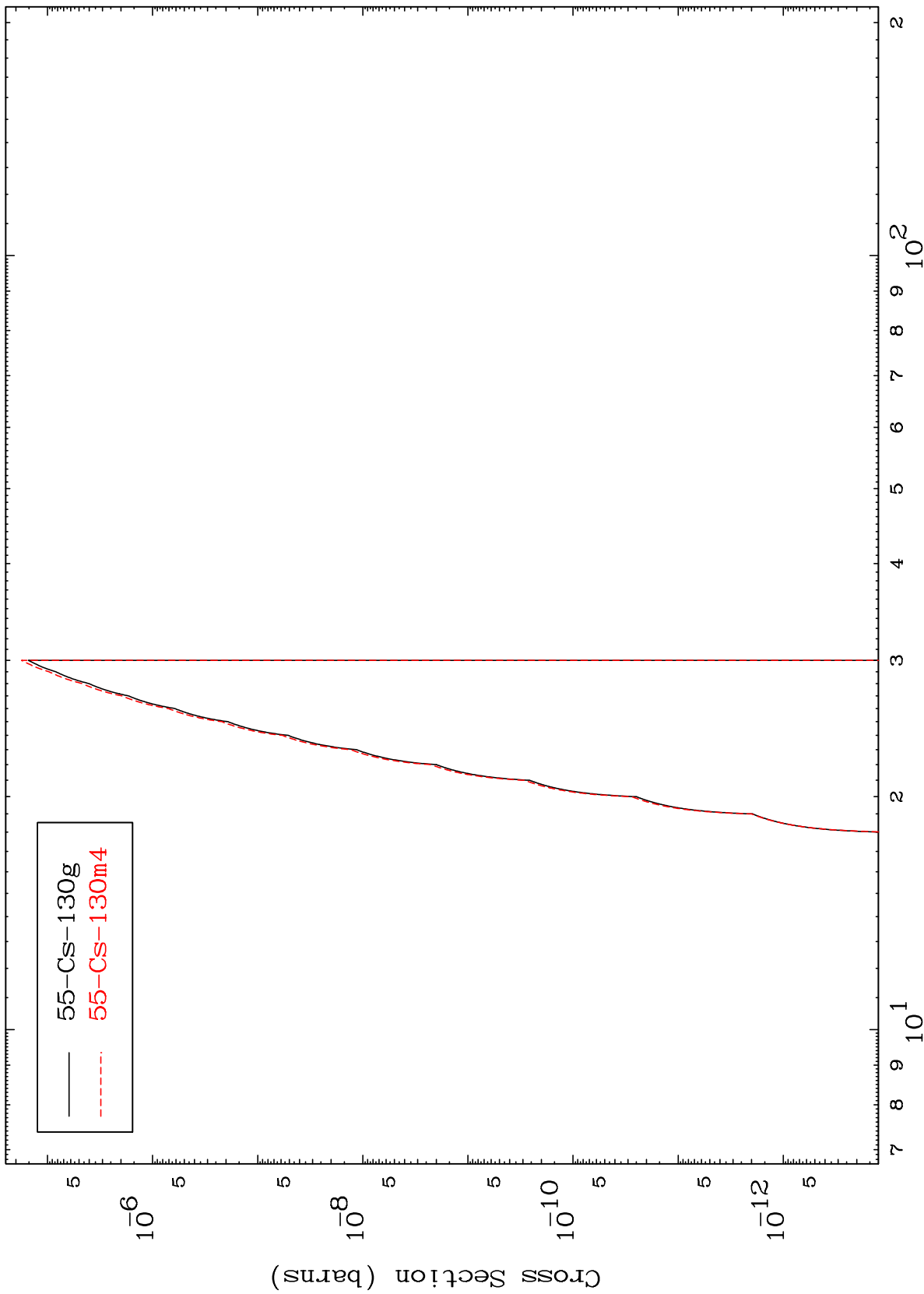
26

MAT 5823

(n,n') p  $\alpha$

58-Ce-135m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

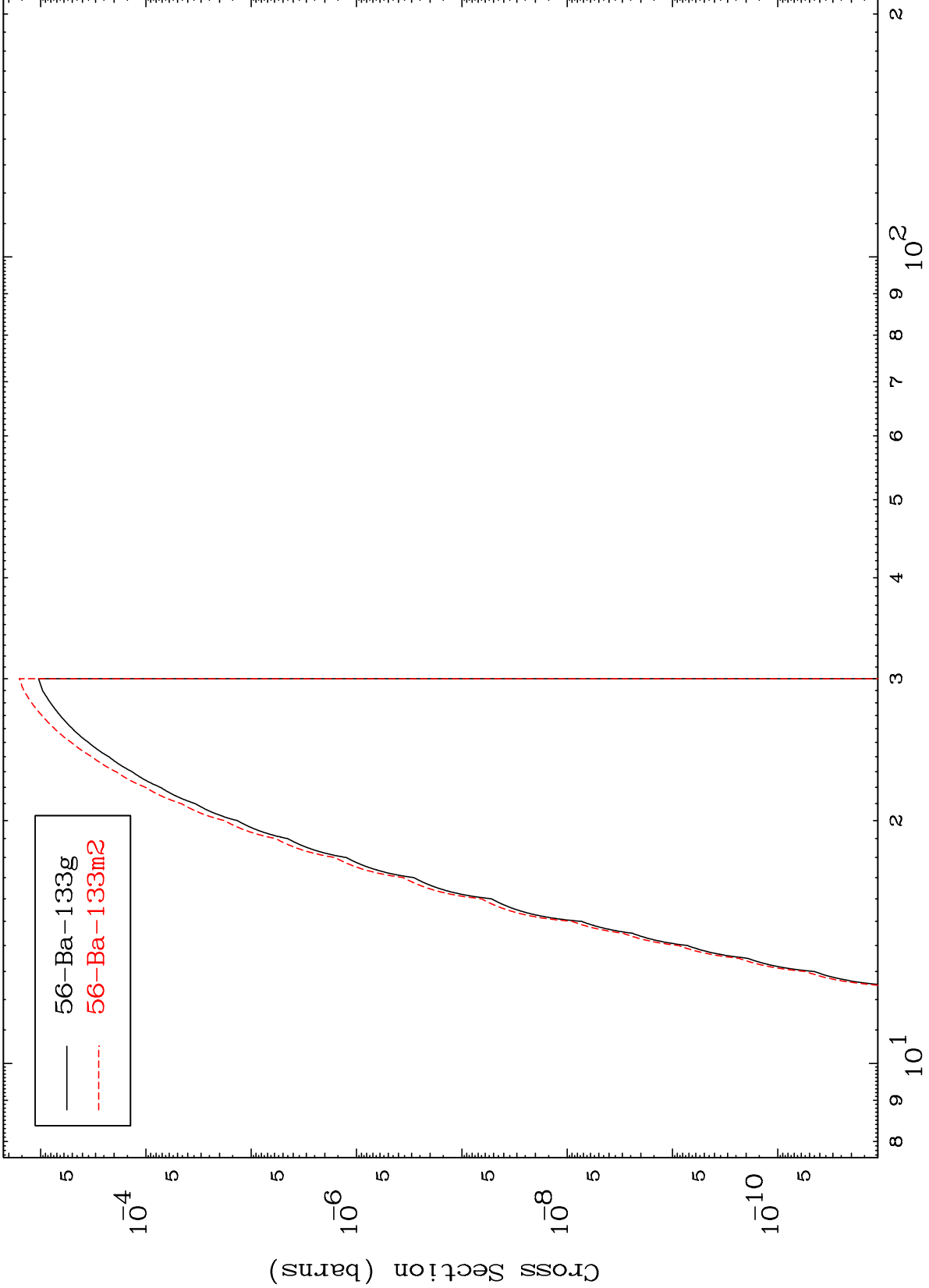
58-Ce-135m

MAT 5823

(n,He-3)

58-Ce-135m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

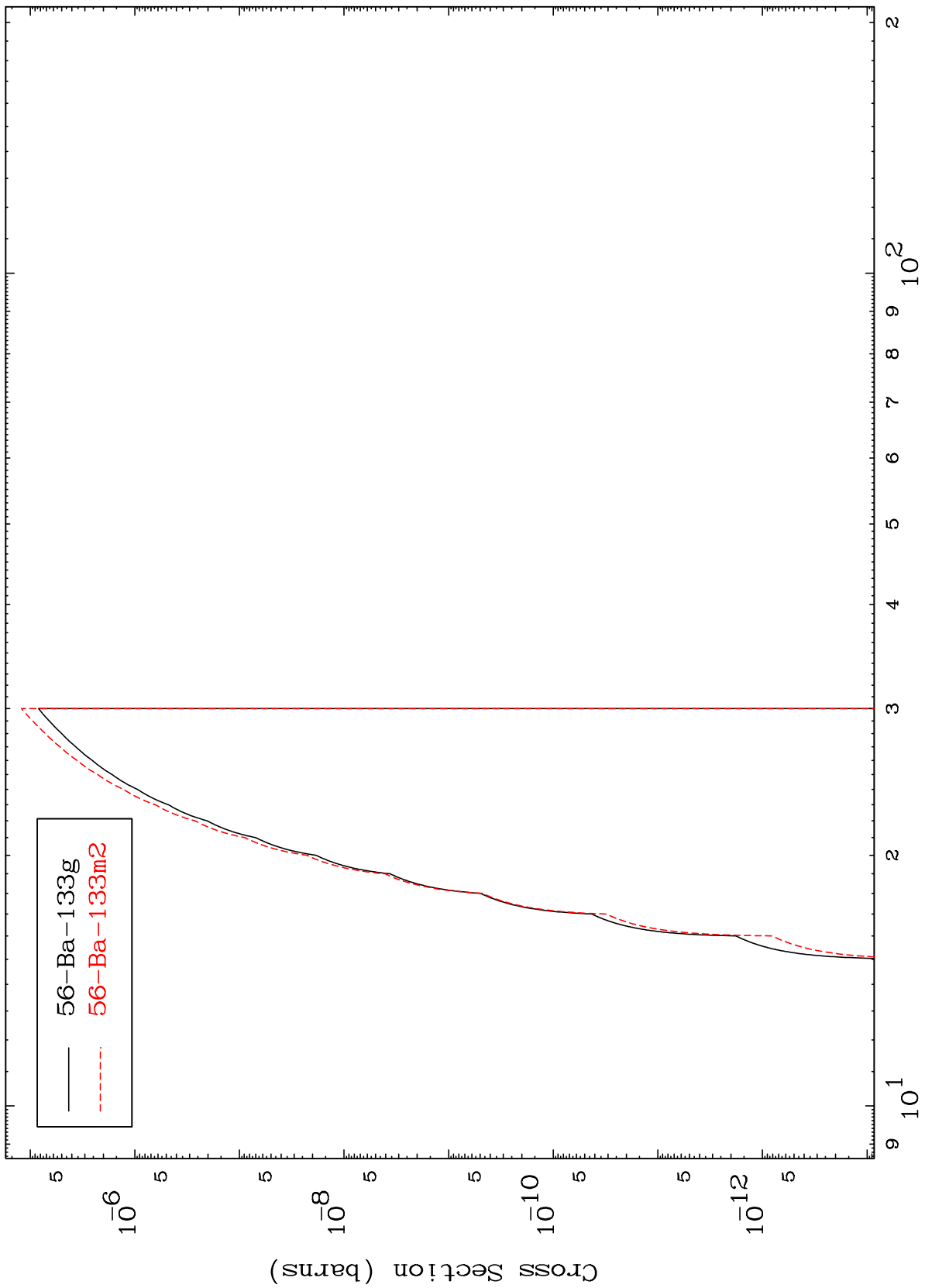
58-Ce-135m

MAT 5823

(n,p) d

58-Ce-135m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

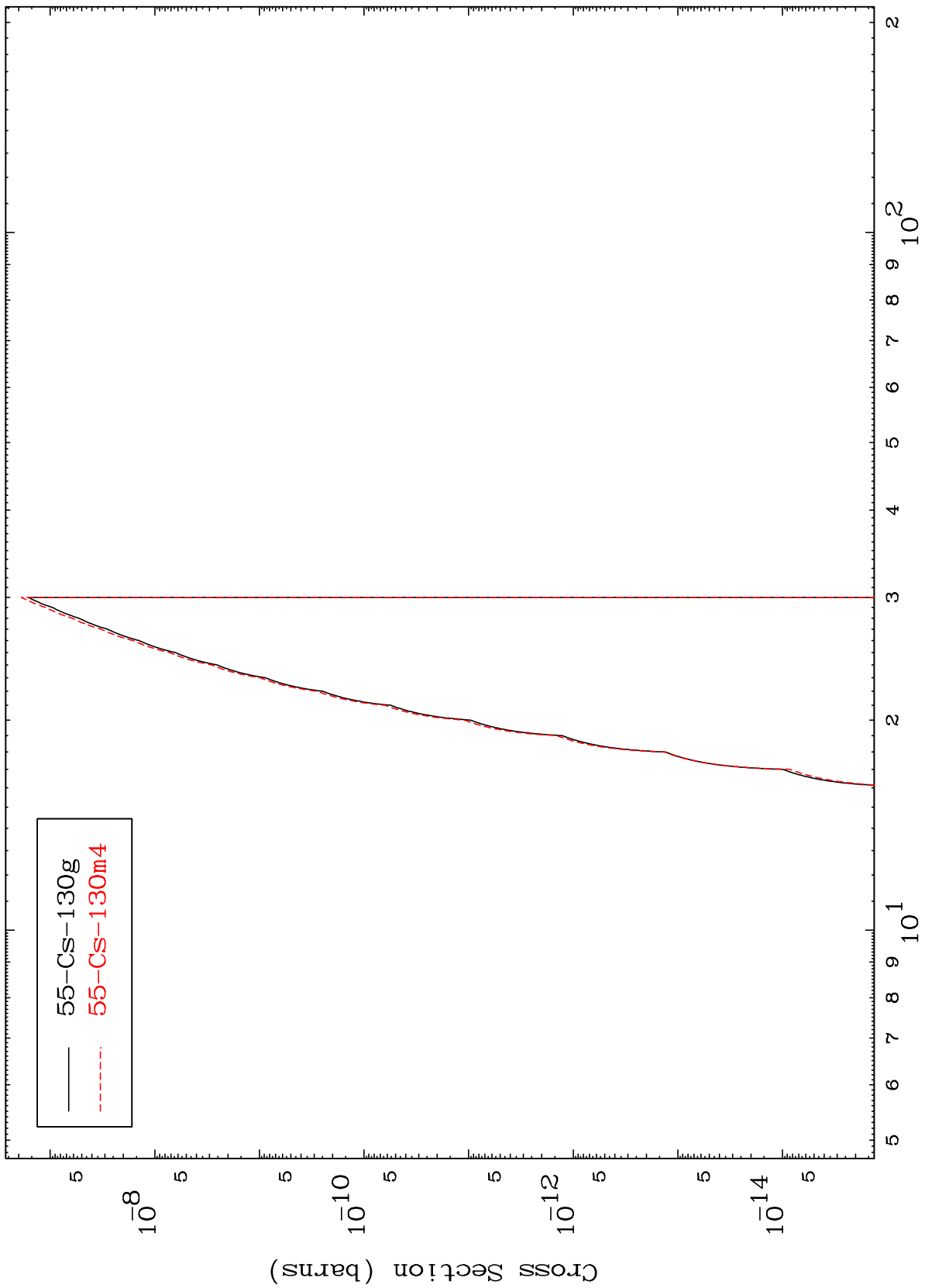
58-Ce-135m

MAT 5823

(n,d)  $\alpha$

58-Ce-135m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

58-Ce-135m