

Program EVALPLOT  
(Version 2021-1)

by

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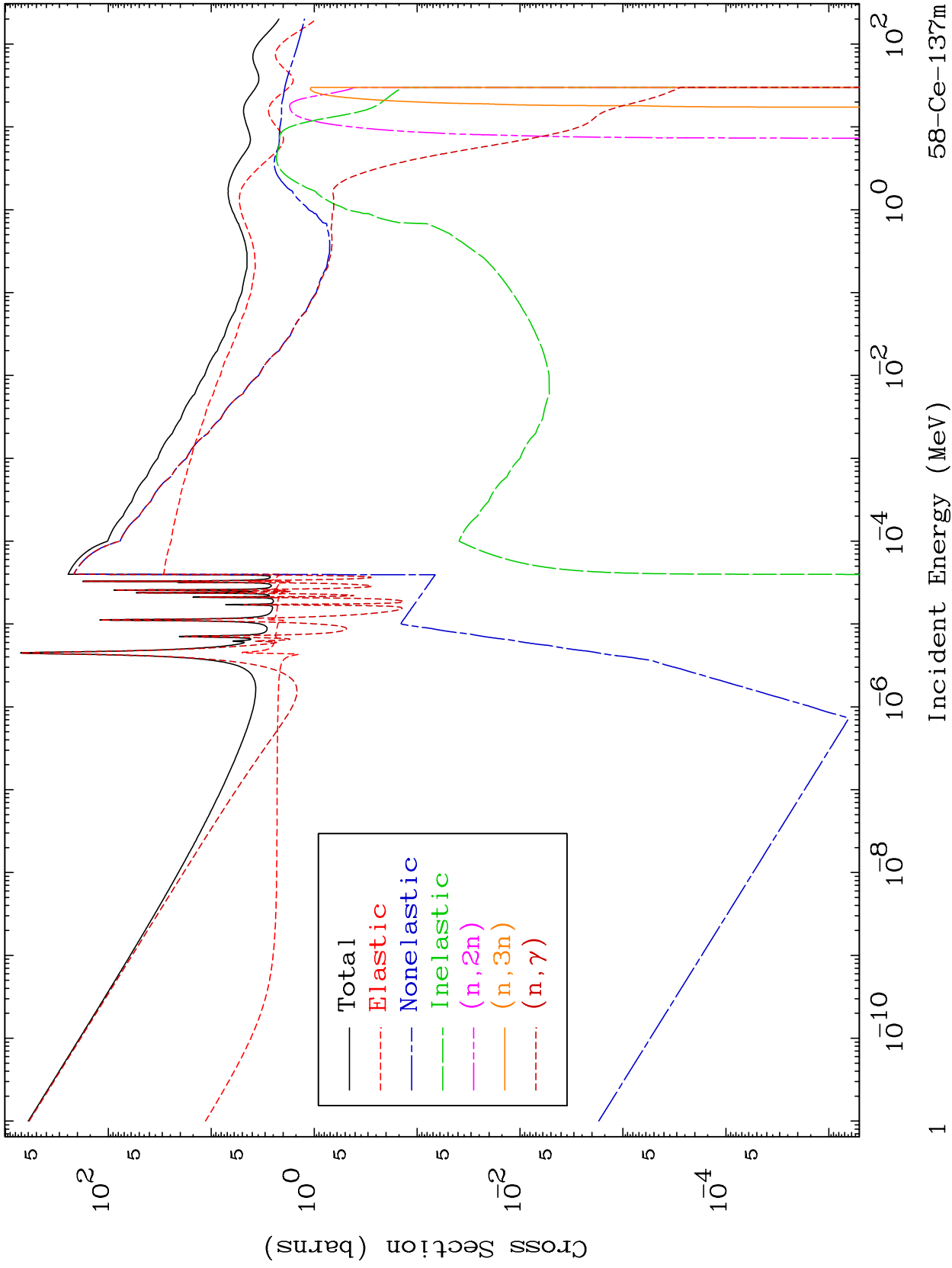
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5829

Neutron Major  
293 Kelvin Cross Sections

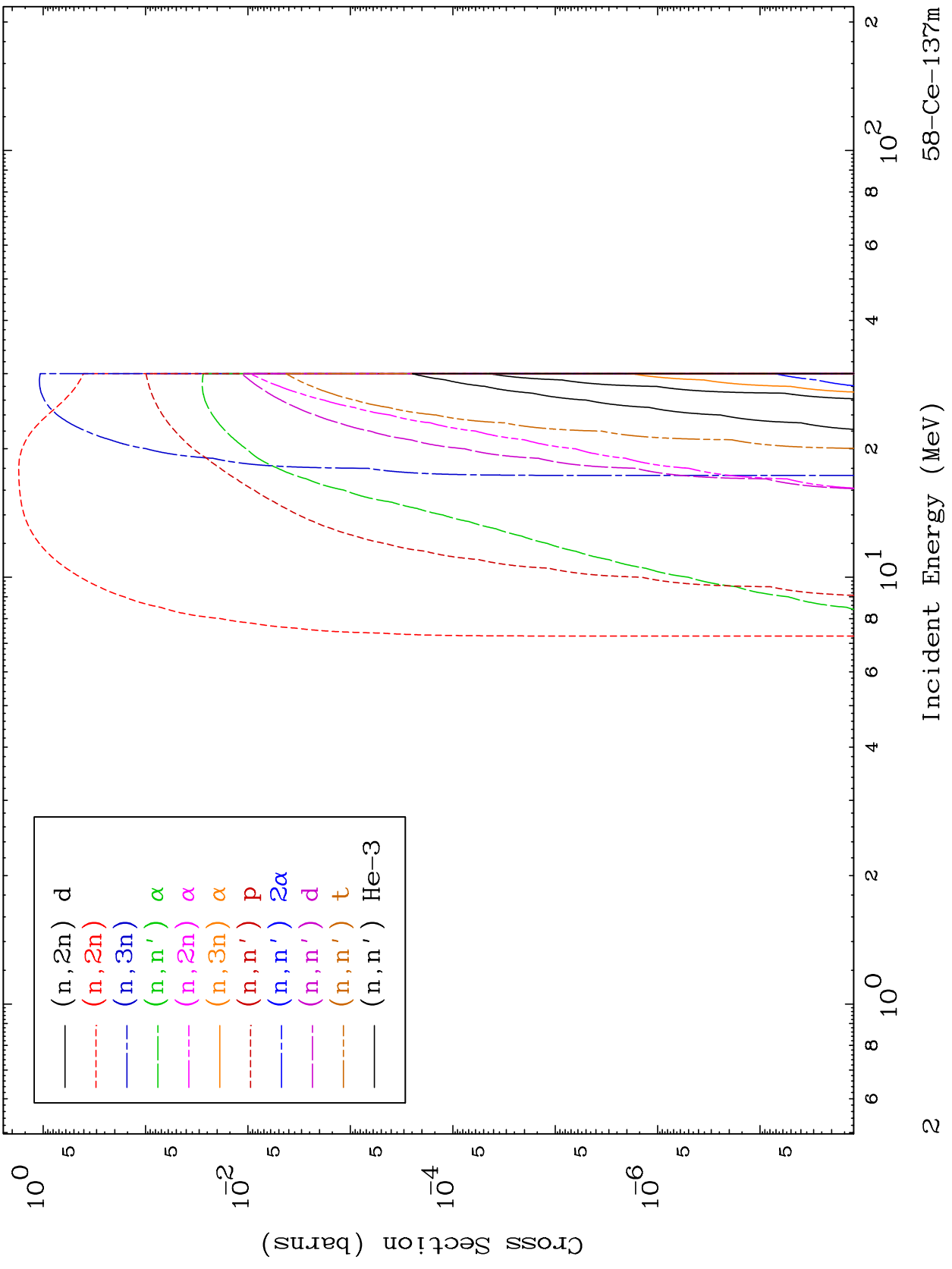
58-Ce-137m



MAT 5829

Neutron Absorption  
293 Kelvin Cross Sections

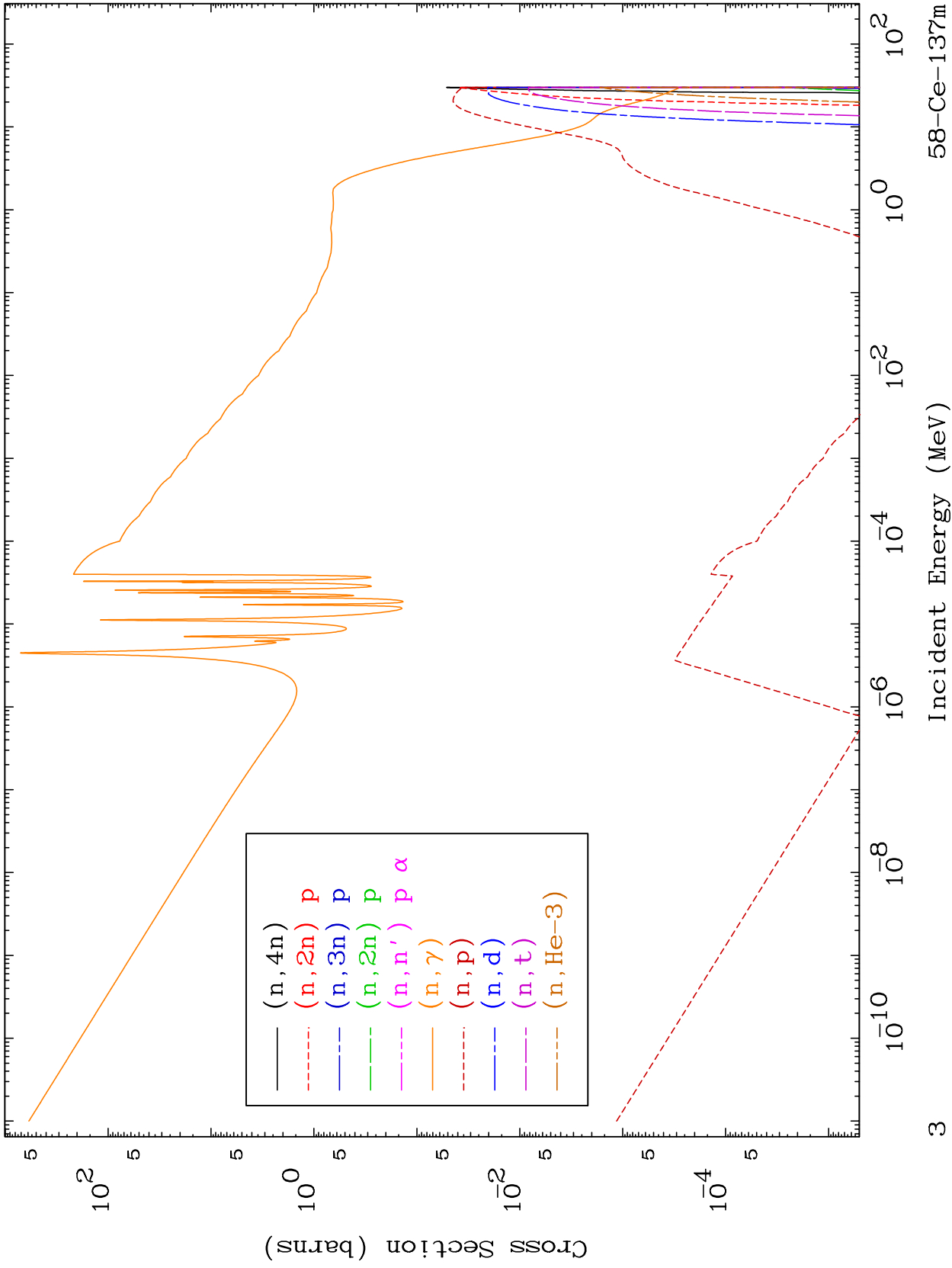
58-Ce-137m



MAT 5829

Neutron Absorption  
293 Kelvin Cross Sections

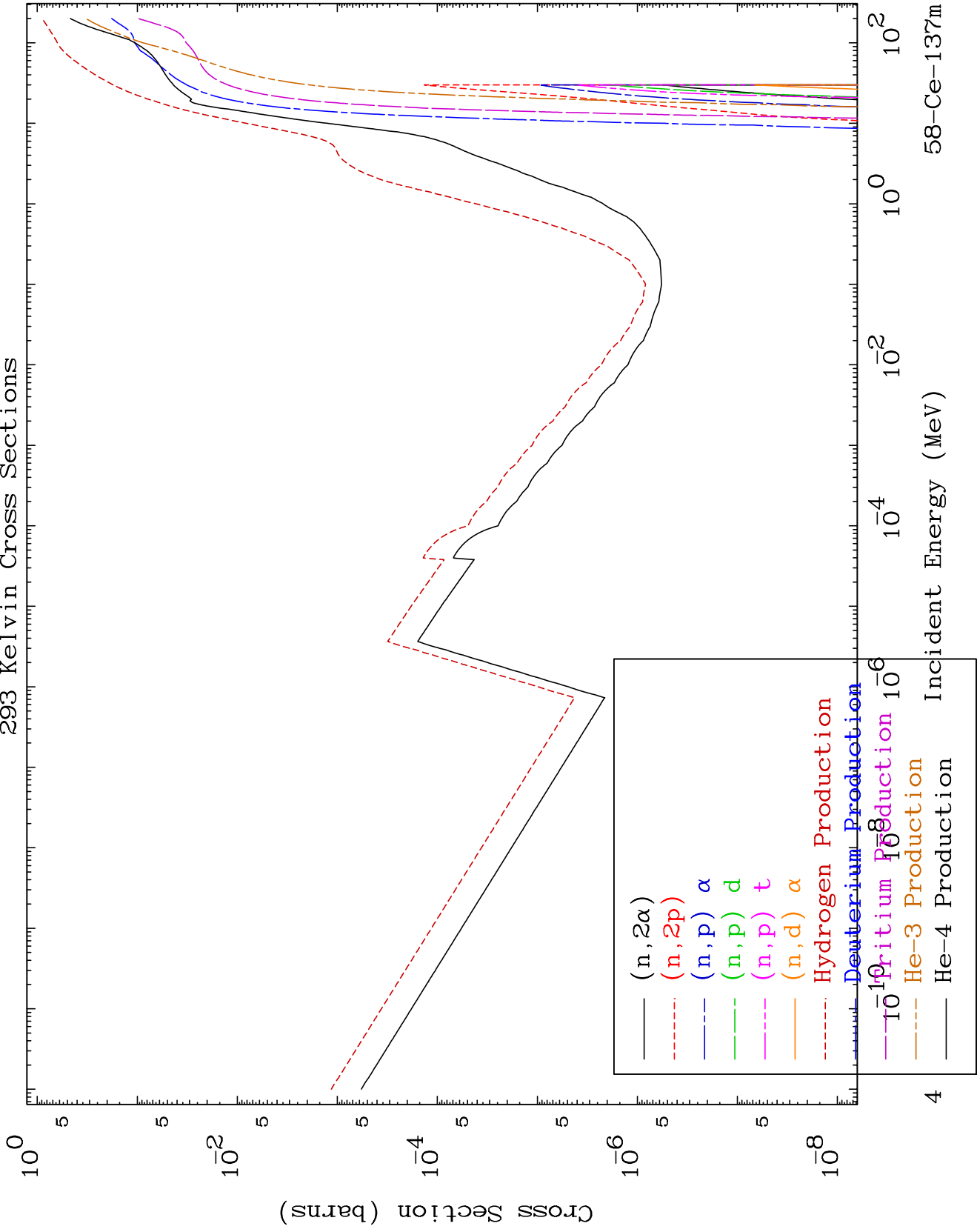
58-Ce-137m



MAT 5829

Neutron Absorption  
293 Kelvin Cross Sections

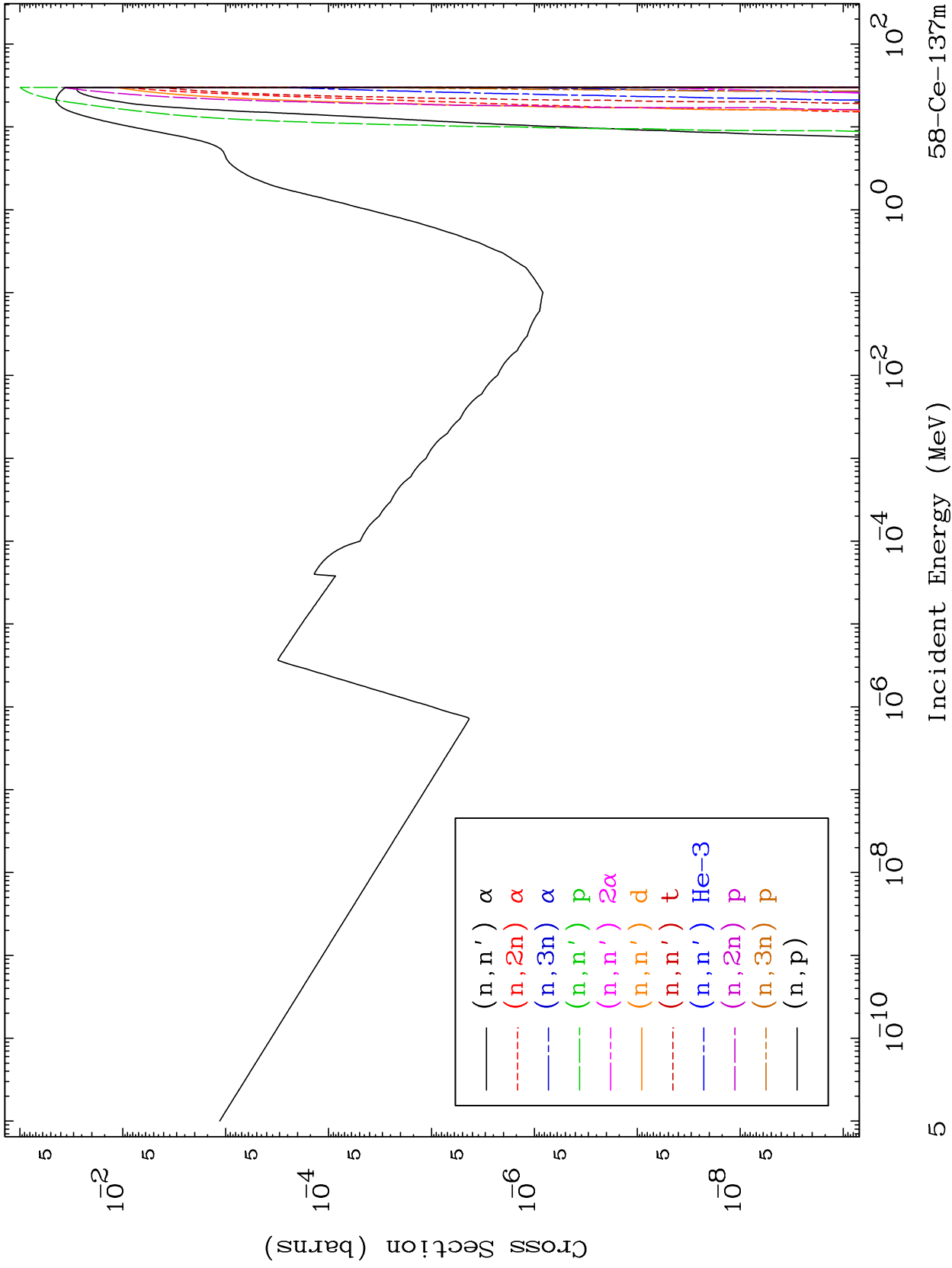
58-Ce-137m



MAT 5829

Charged Particle  
293 Kelvin Cross Sections

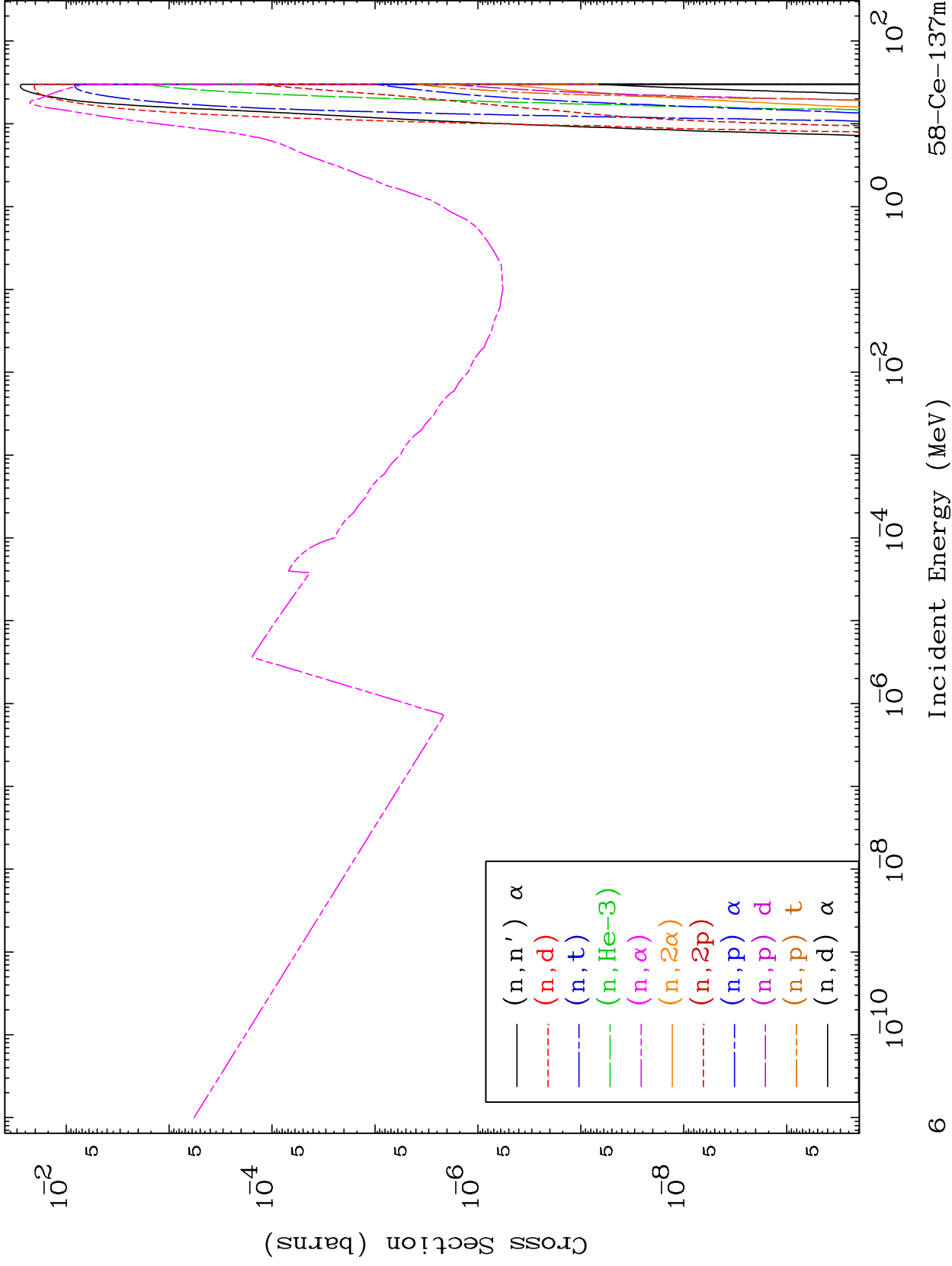
58-Ce-137m



MAT 5829

Charged Particle  
293 Kelvin Cross Sections

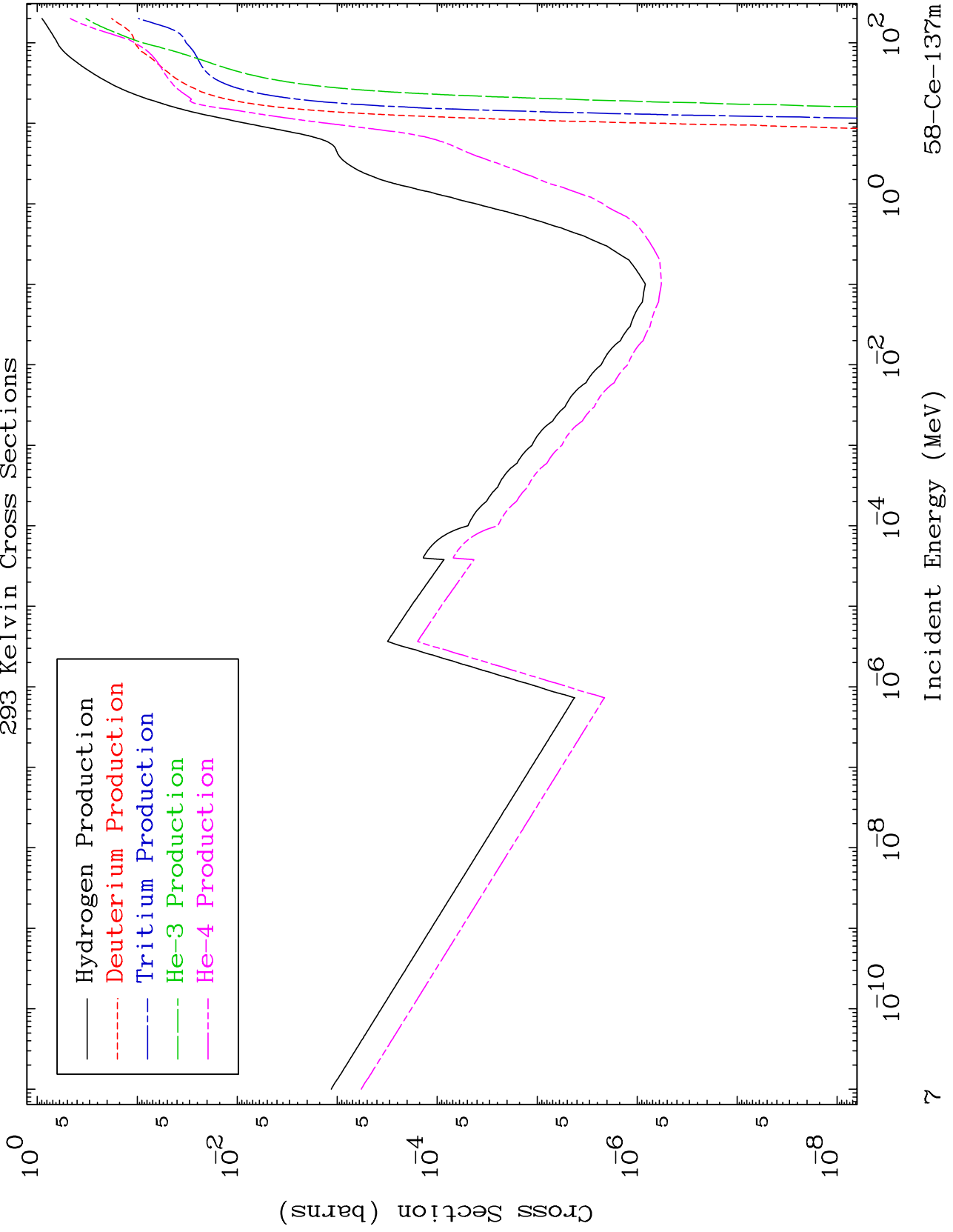
58-Ce-137m



MAT 5829

Particle Production  
293 Kelvin Cross Sections

58-Ce-137m

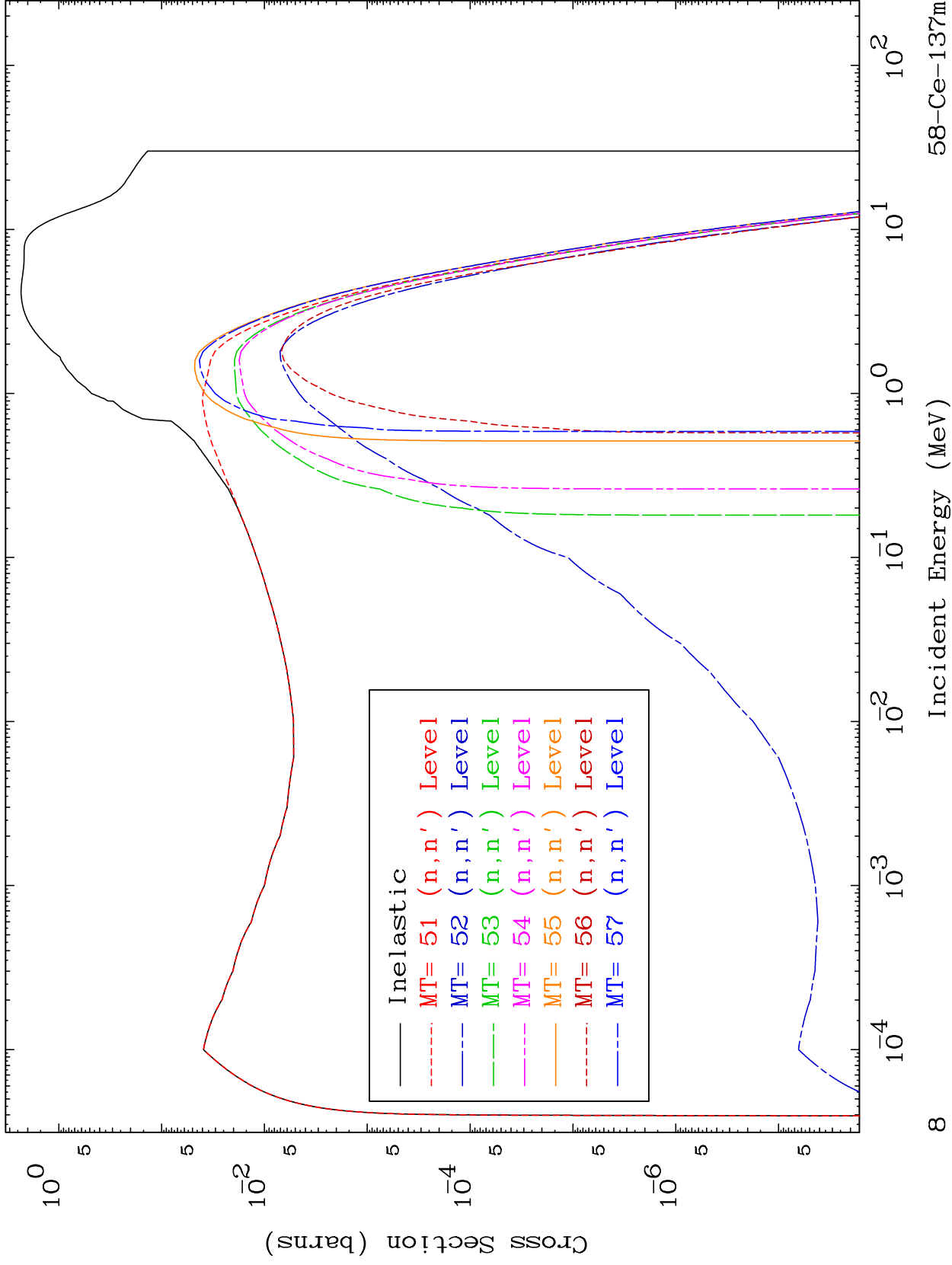




MAT 5829

(n,n') Levels  
293 Kelvin Cross Sections

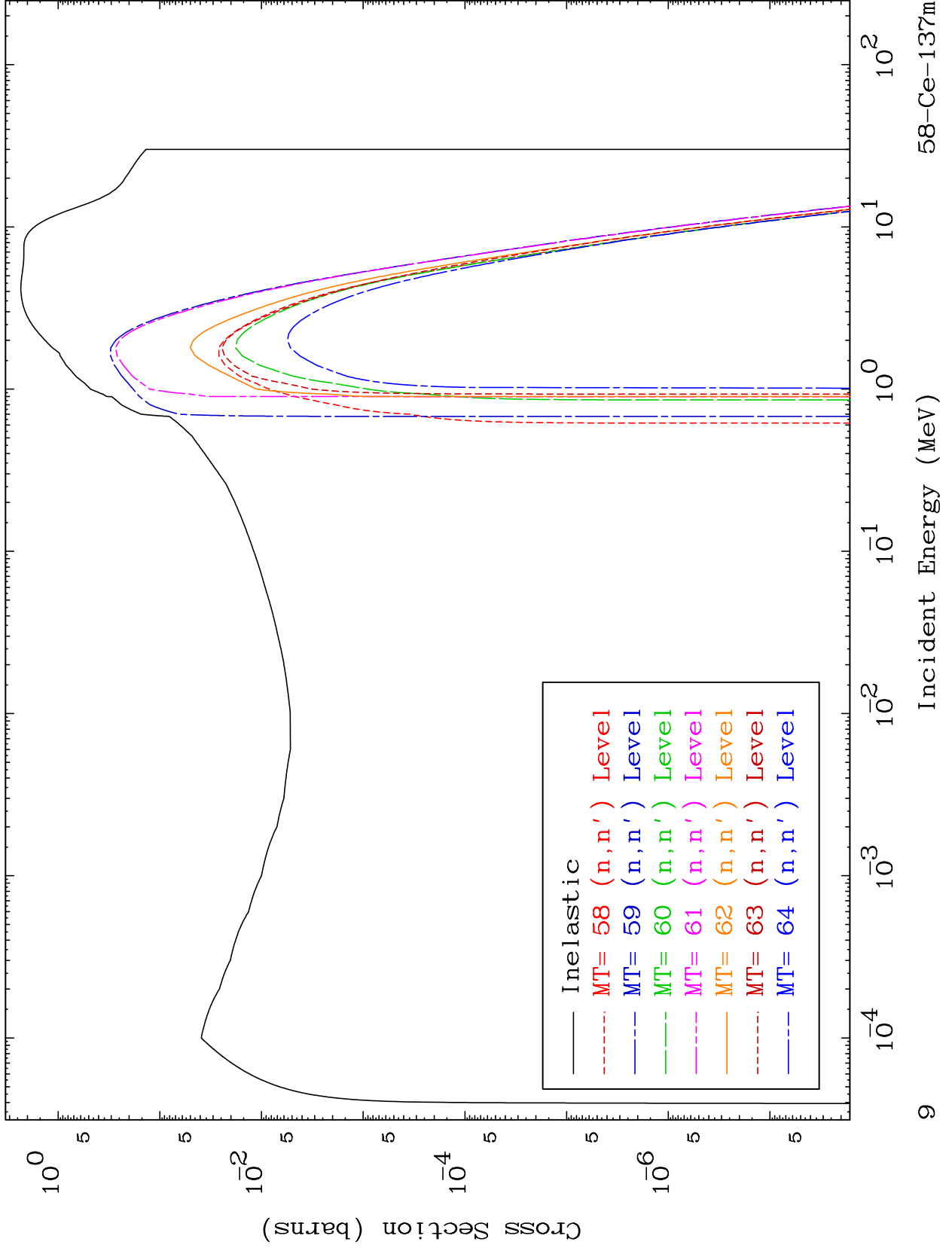
58-Ce-137m



MAT 5829

(n,n') Levels  
293 Kelvin Cross Sections

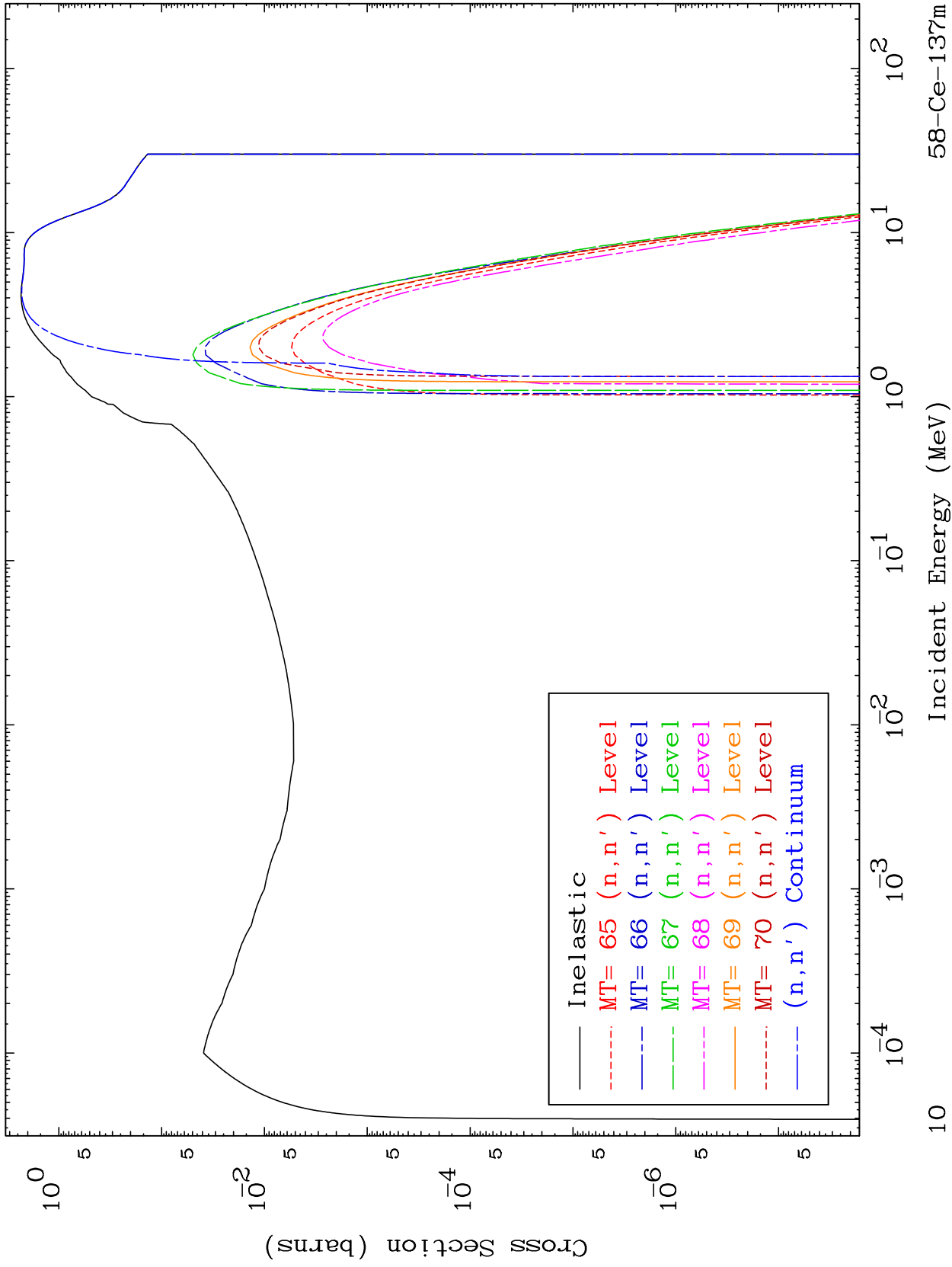
58-Ce-137m



MAT 5829

(n,n') Levels  
293 Kelvin Cross Sections

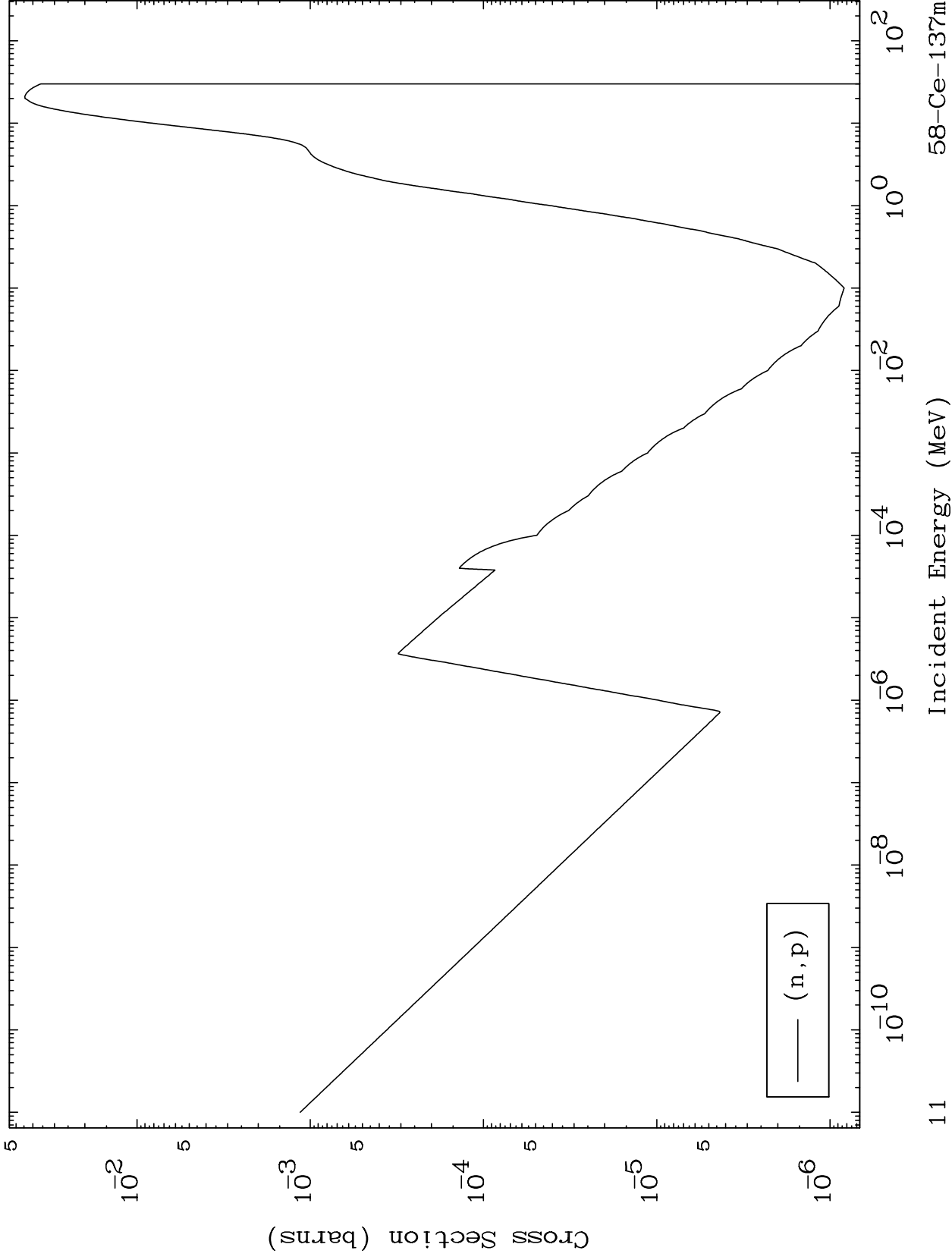
58-Ce-137m



MAT 5829

(n,p) Levels  
293 Kelvin Cross Sections

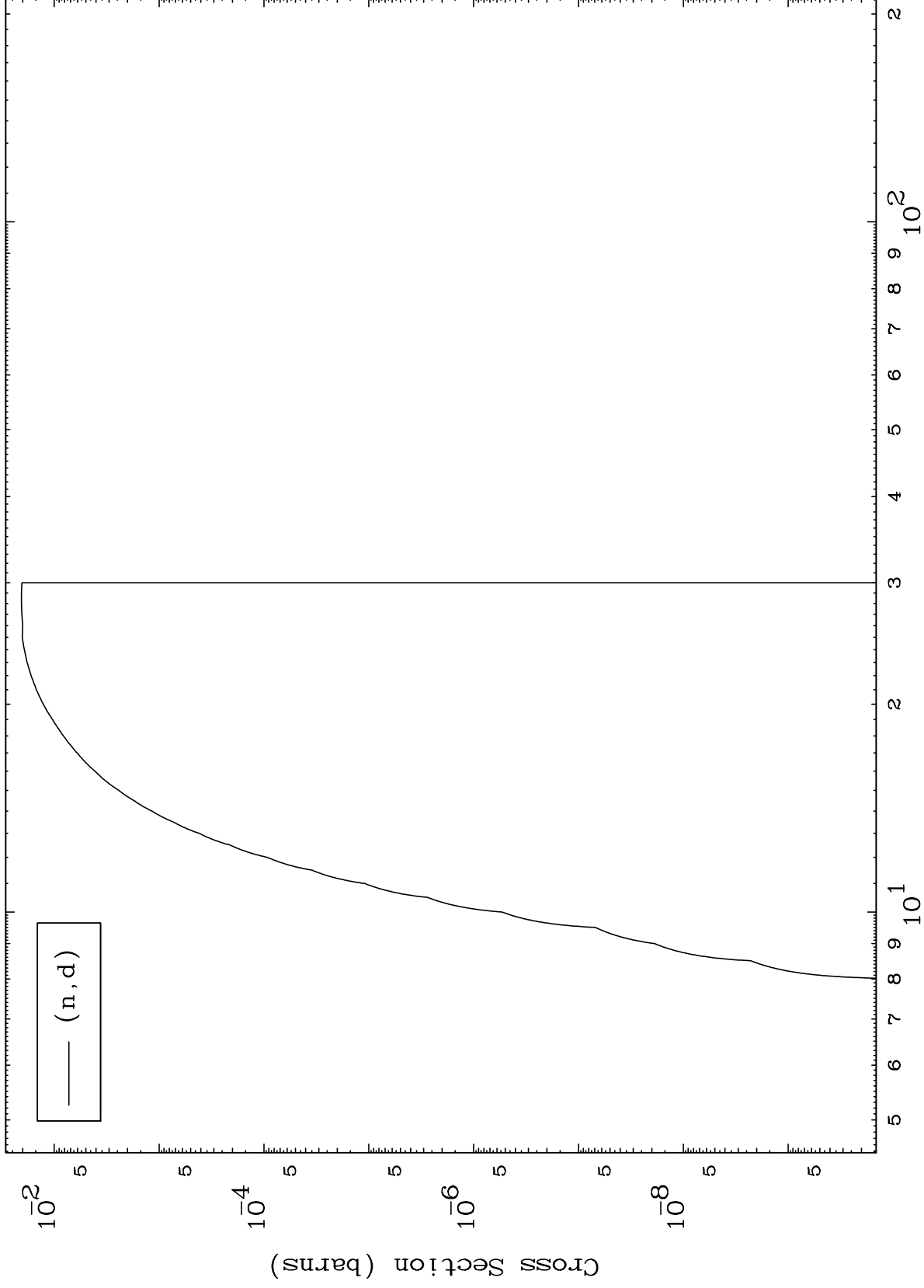
58-Ce-137m



MAT 5829

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-137m



12

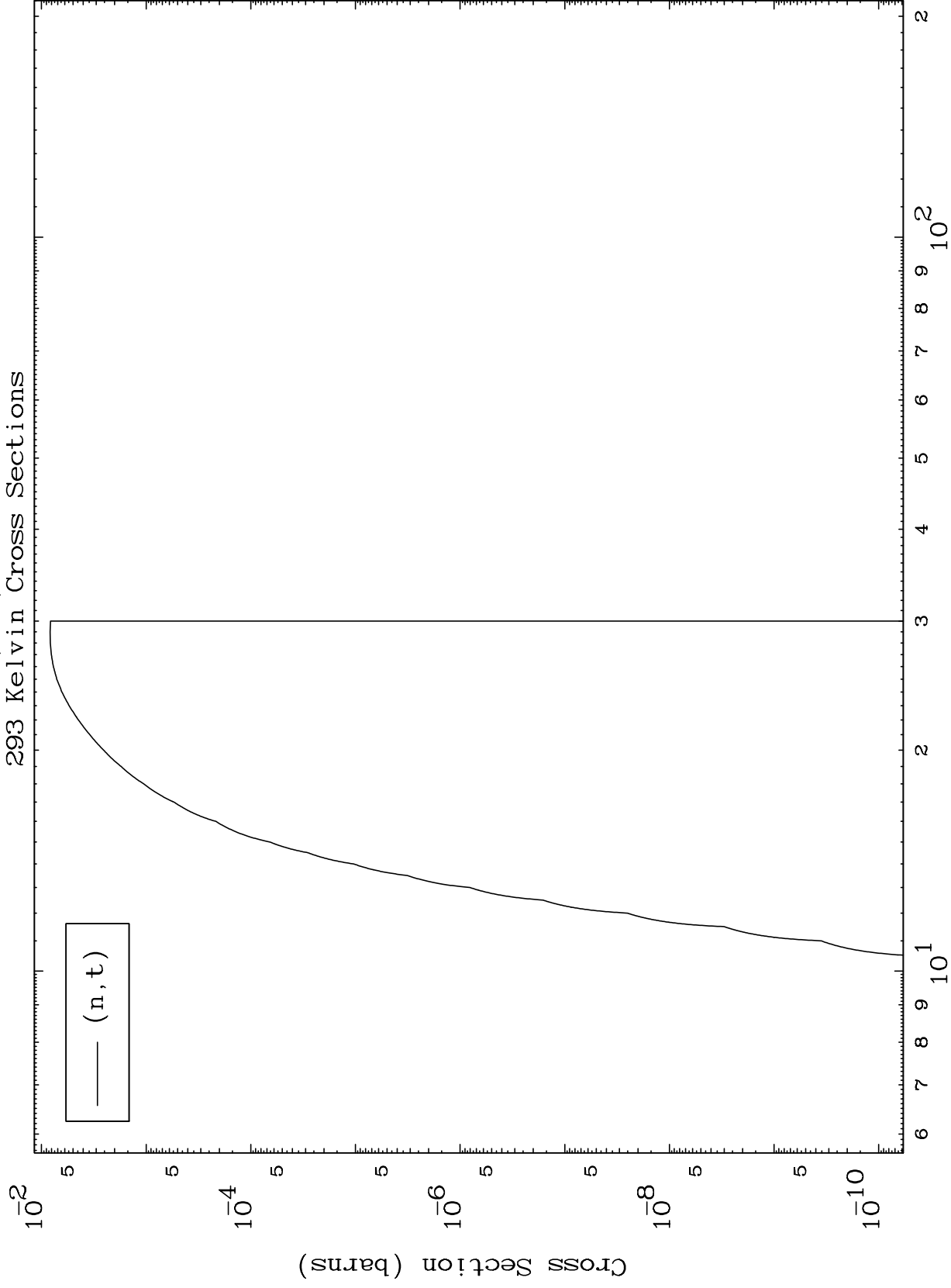
Incident Energy (MeV)

58-Ce-137m

MAT 5829

(n, t) Levels  
293 Kelvin Cross Sections

58-Ce-137m



13

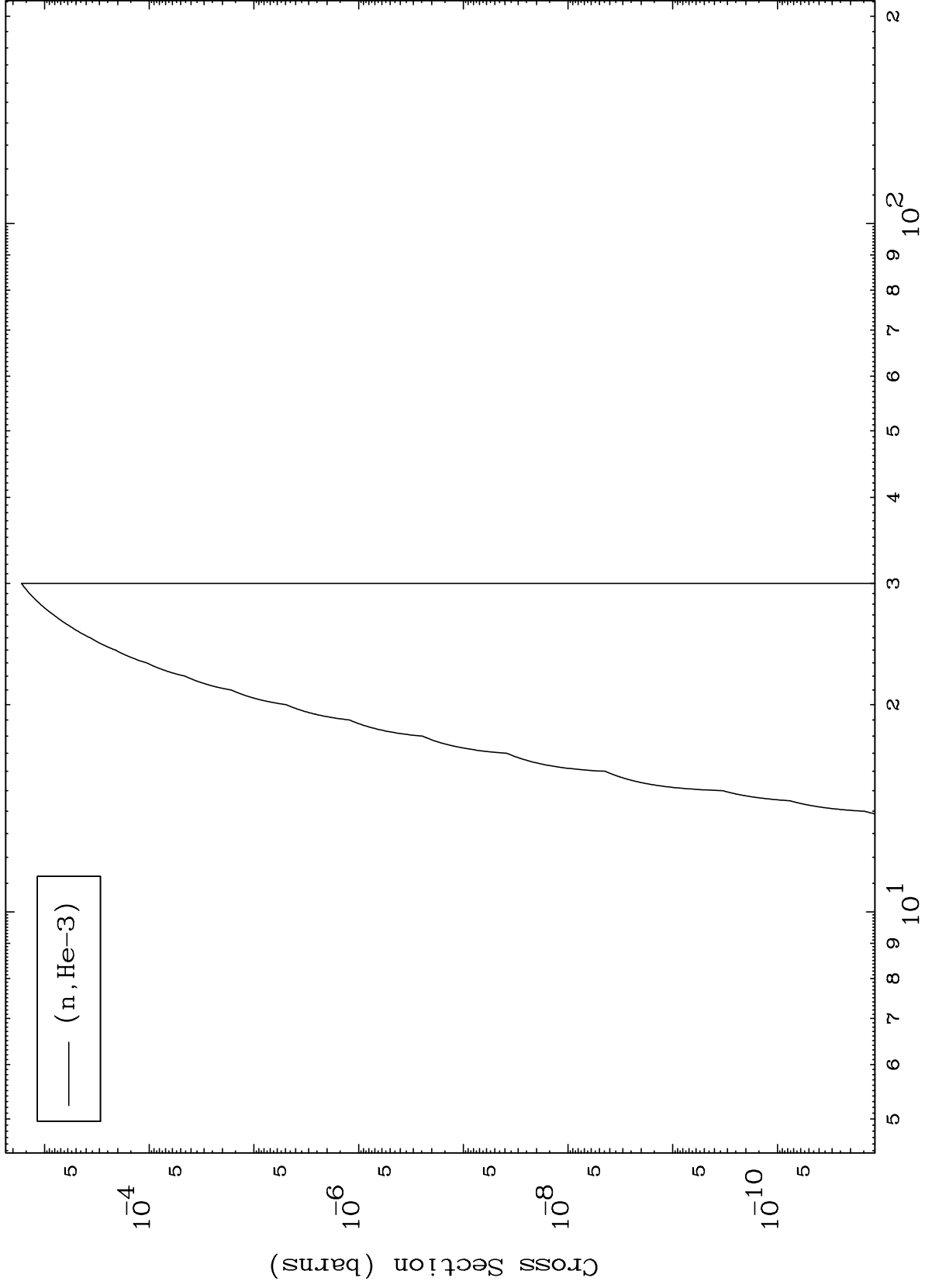
Incident Energy (MeV)

58-Ce-137m

MAT 5829

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-137m



14

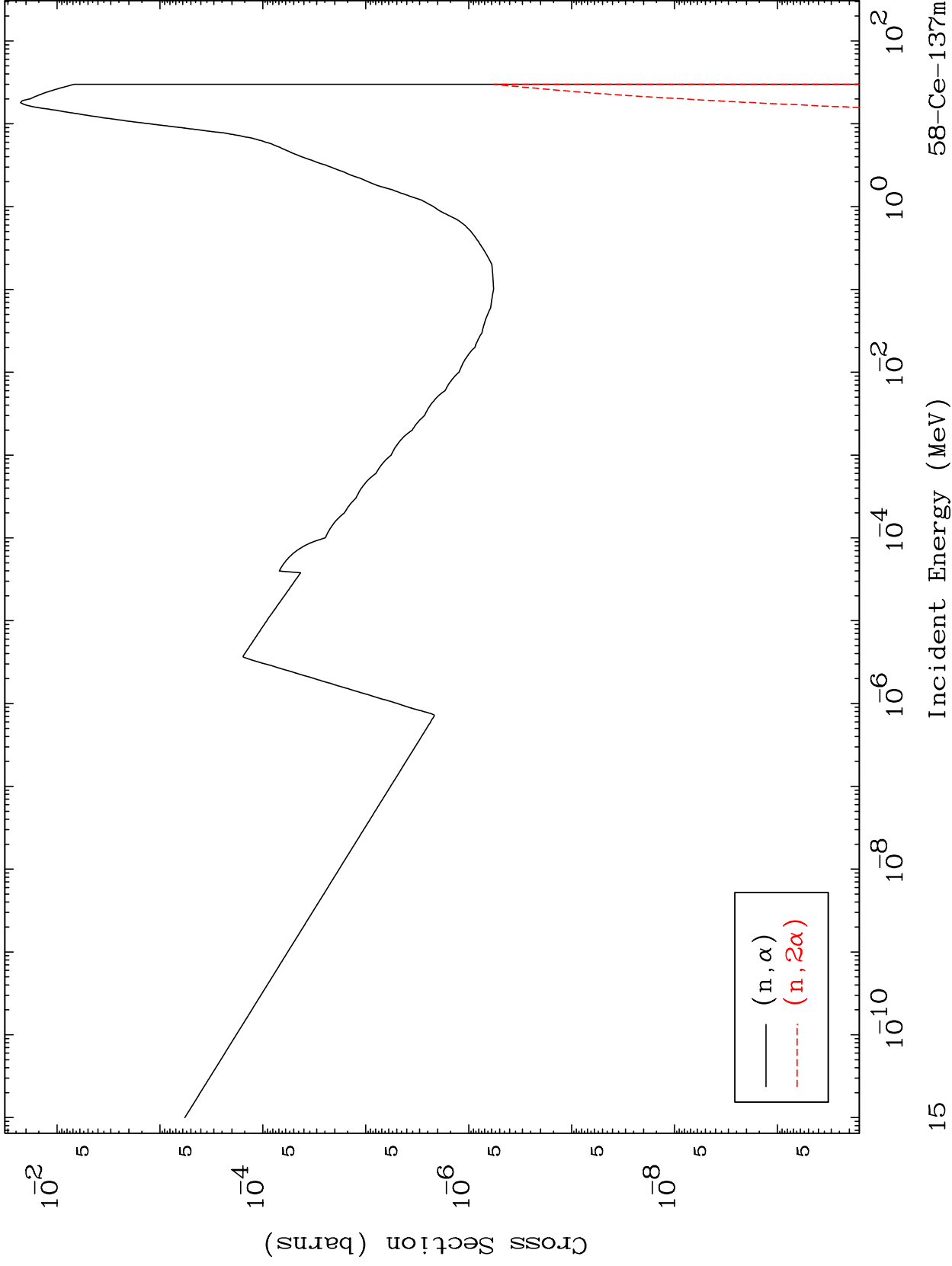
Incident Energy (MeV)

58-Ce-137m

MAT 5829

(n,α) Levels  
293 Kelvin Cross Sections

58-Ce-137m



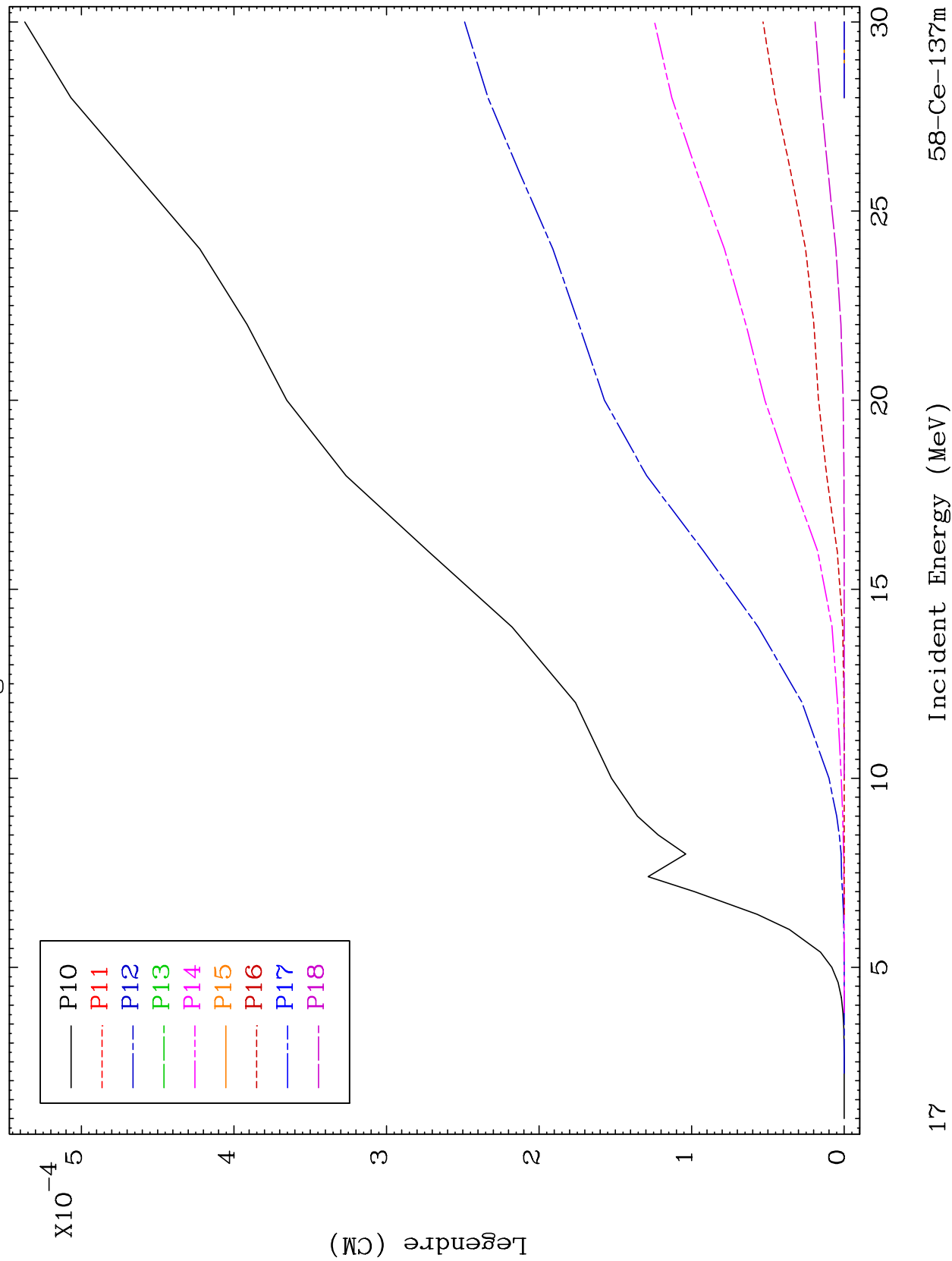




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Elastic Legendre Coefficients

58-Ce-137m



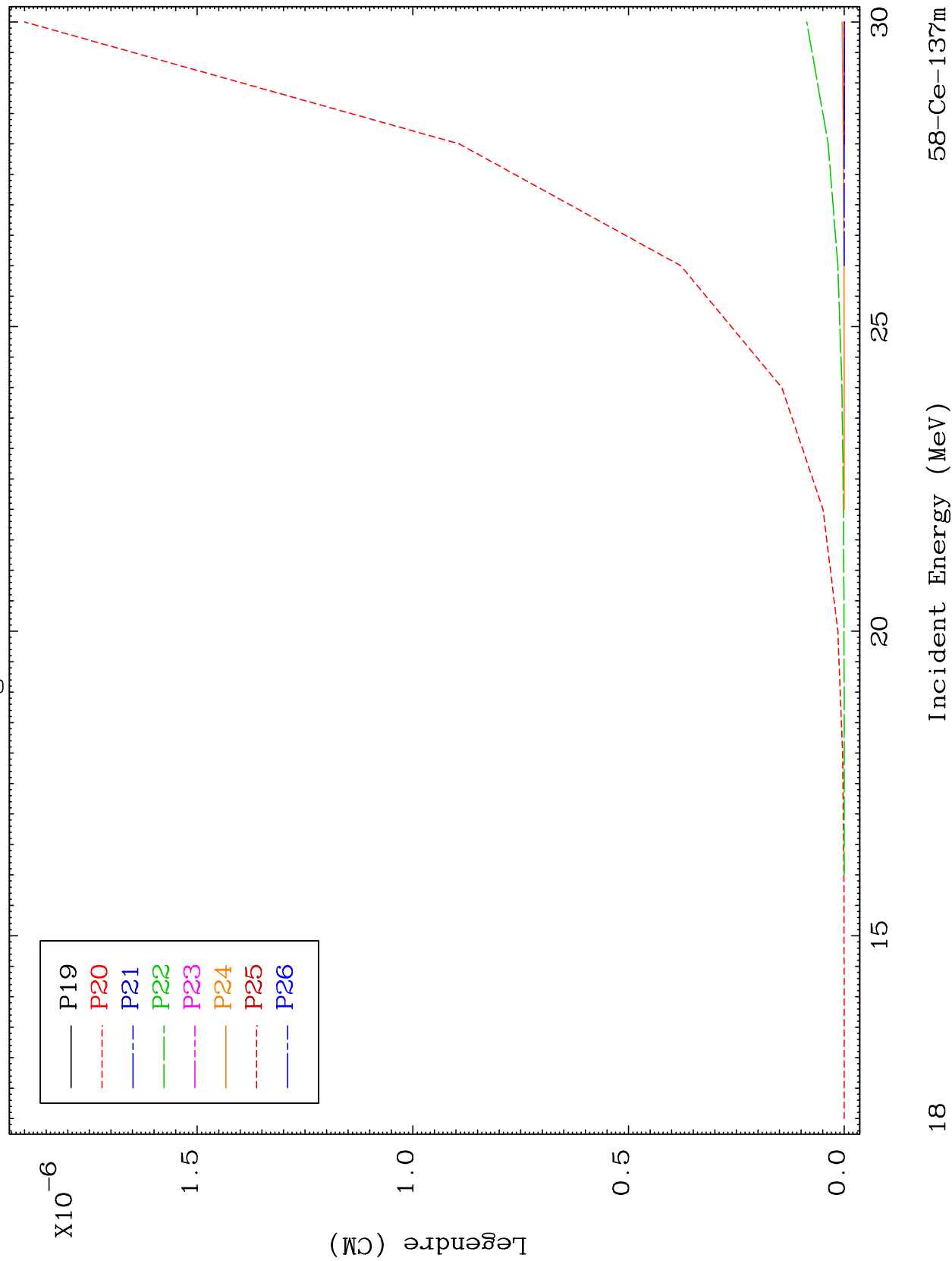
17

58-Ce-137m

MAT 5829

Elastic Legendre Coefficients

58-Ce-137m



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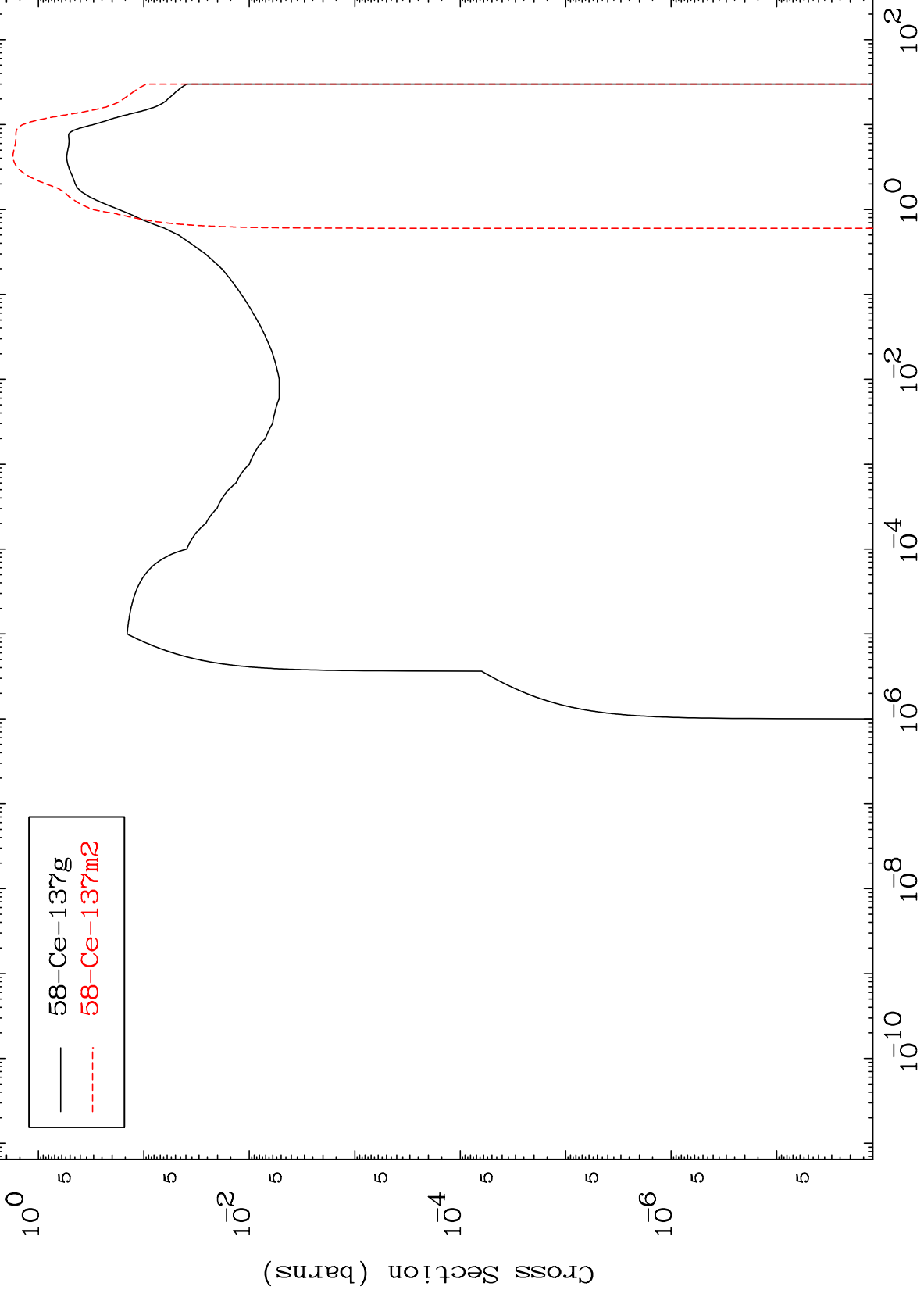
Incident Energy (MeV)

58-Ce-137m

MAT 5829

### Inelastic Radionuclide Production Cross Section

58-Ce-137m

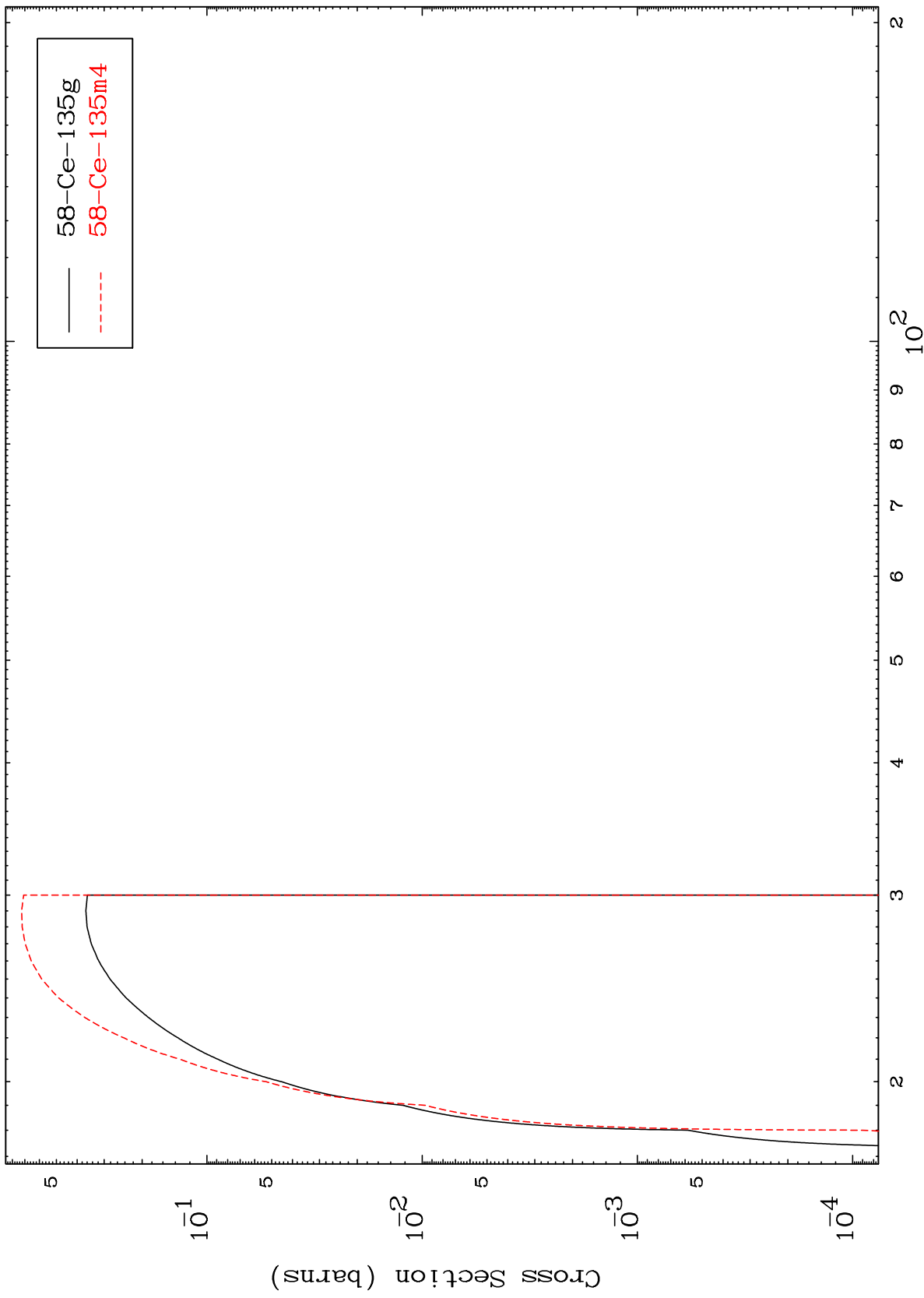


— 58-Ce-137g  
- - - 58-Ce-137m2

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58-Ce-137m

(n,3n)  
Radionuclide Production Cross Section



58-Ce-137m

Incident Energy (MeV)

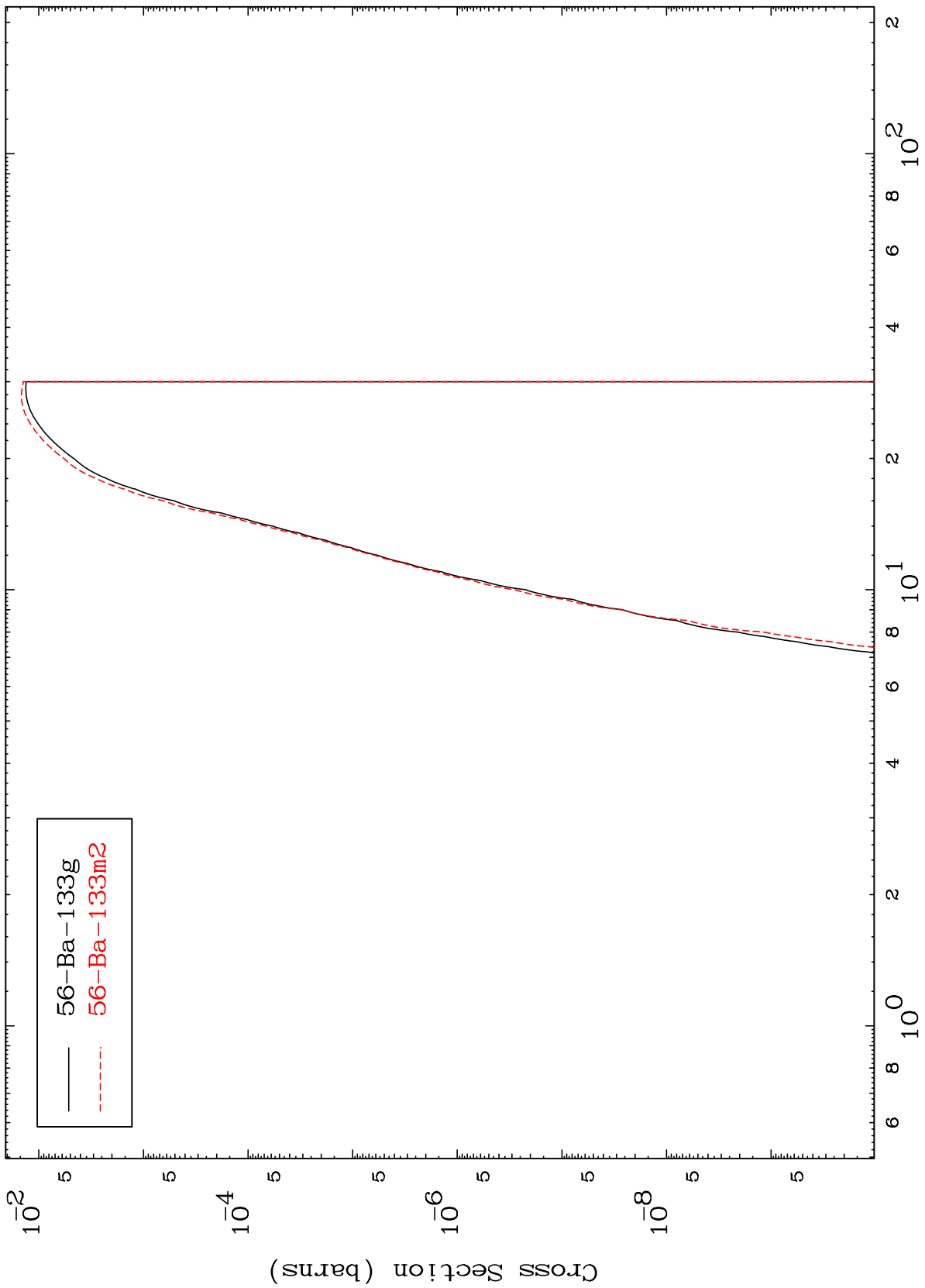
20

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(n,n')  $\alpha$

58-Ce-137m

Radionuclide Production Cross Section

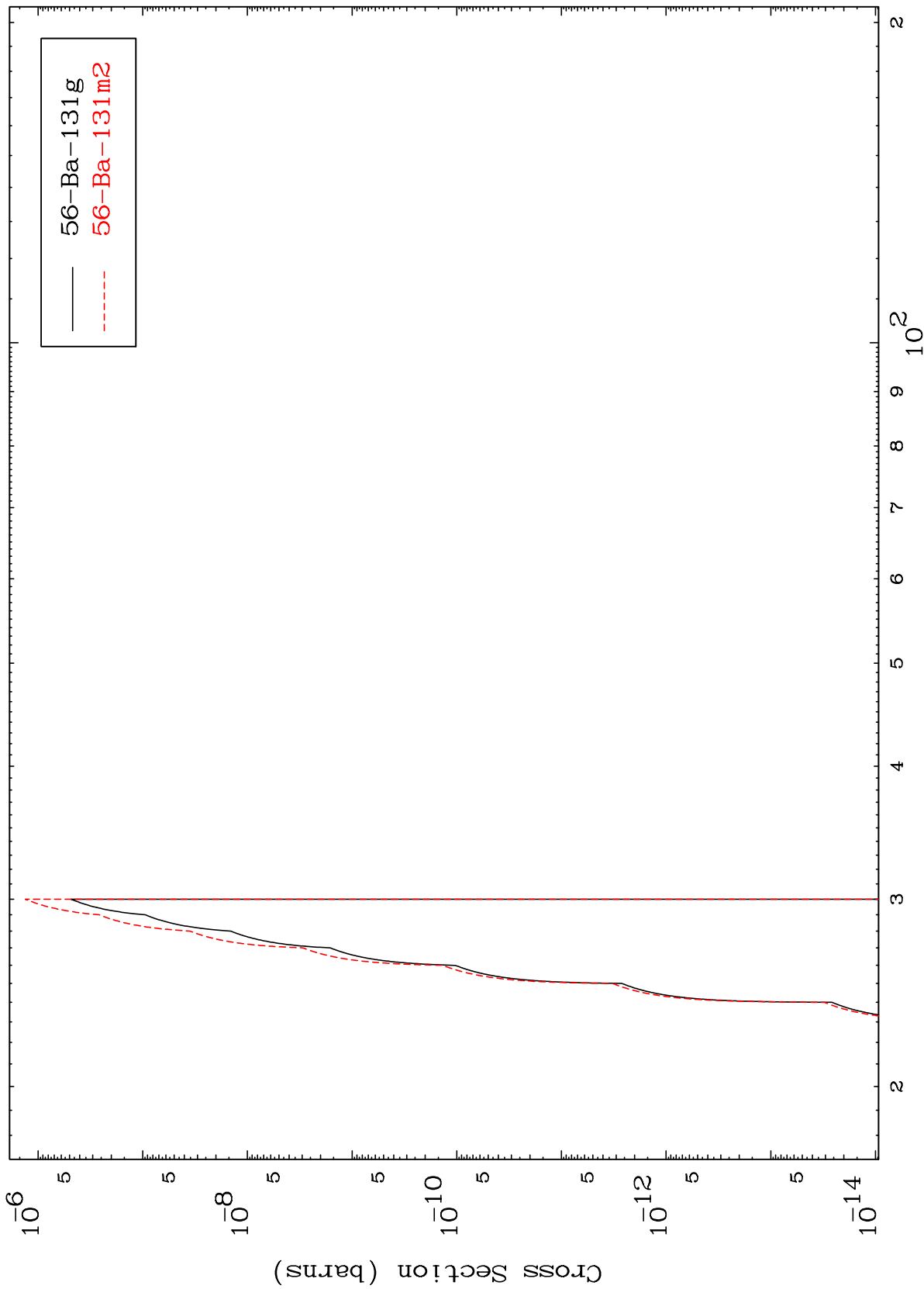


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(n,3n)  $\alpha$

58-Ce-137m

Radionuclide Production Cross Section

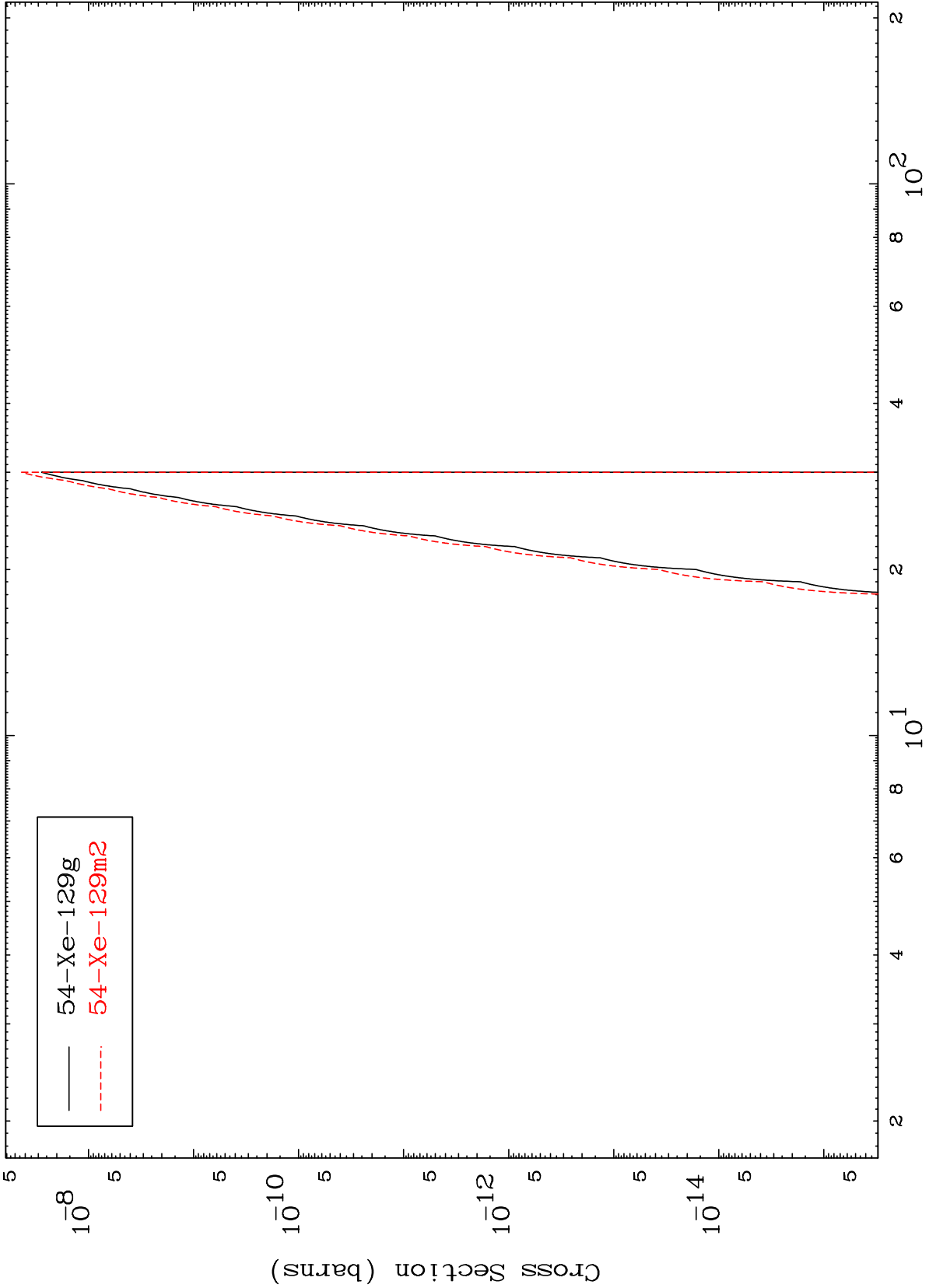


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(n,n') 2α

58-Ce-137m

Radionuclide Production Cross Section



54-Xe-129g  
54-Xe-129m2

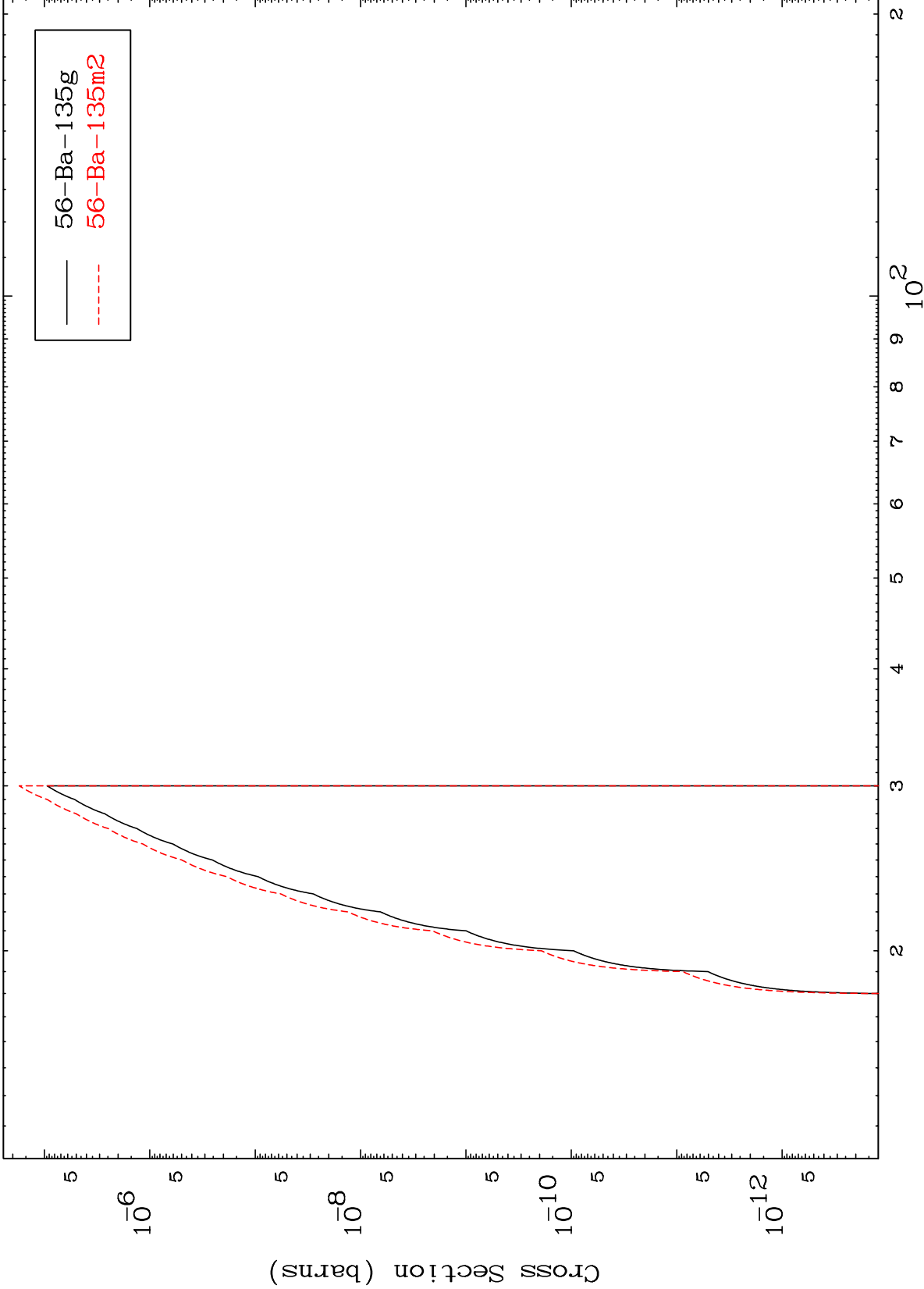


MAT 5829

(n,2n) p

58-Ce-137m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

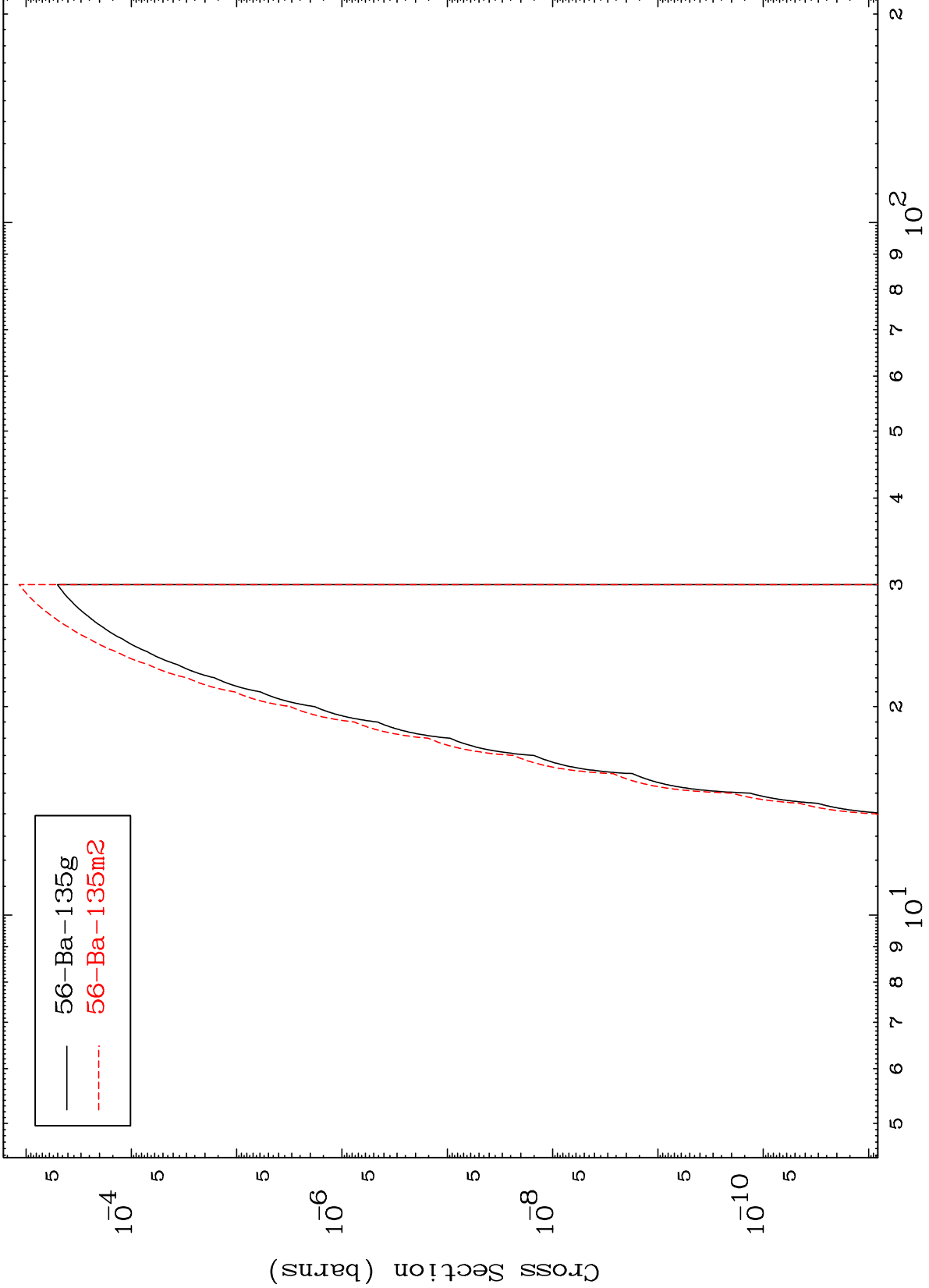
58-Ce-137m

MAT 5829

(n,He-3)

58-Ce-137m

Radionuclide Production Cross Section



56-Ba-135g  
56-Ba-135m2

25

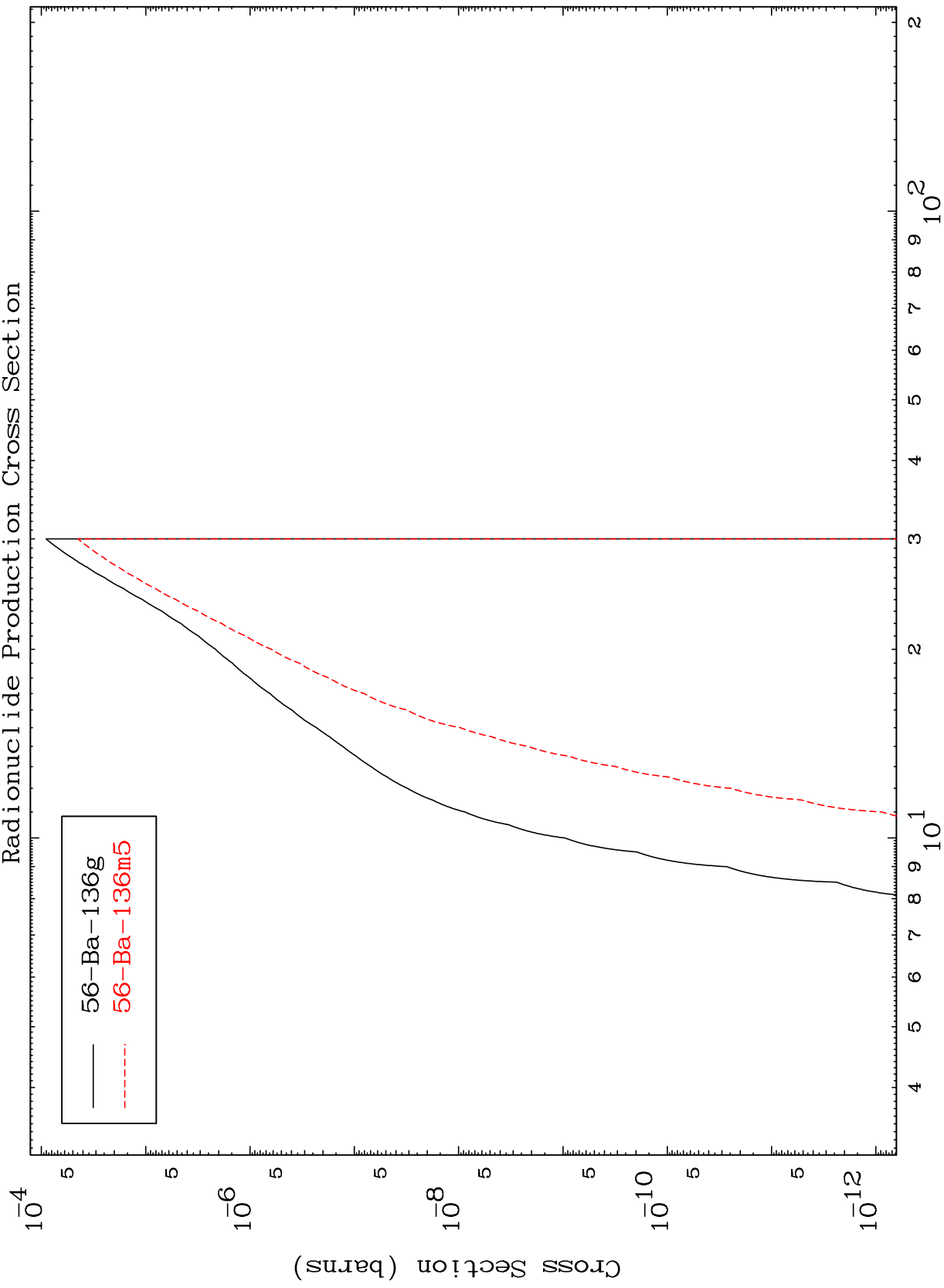
Incident Energy (MeV)

58-Ce-137m

MAT 5829

58-Ce-137m

(n,2p)  
Radionuclide Production Cross Section



26

Incident Energy (MeV)

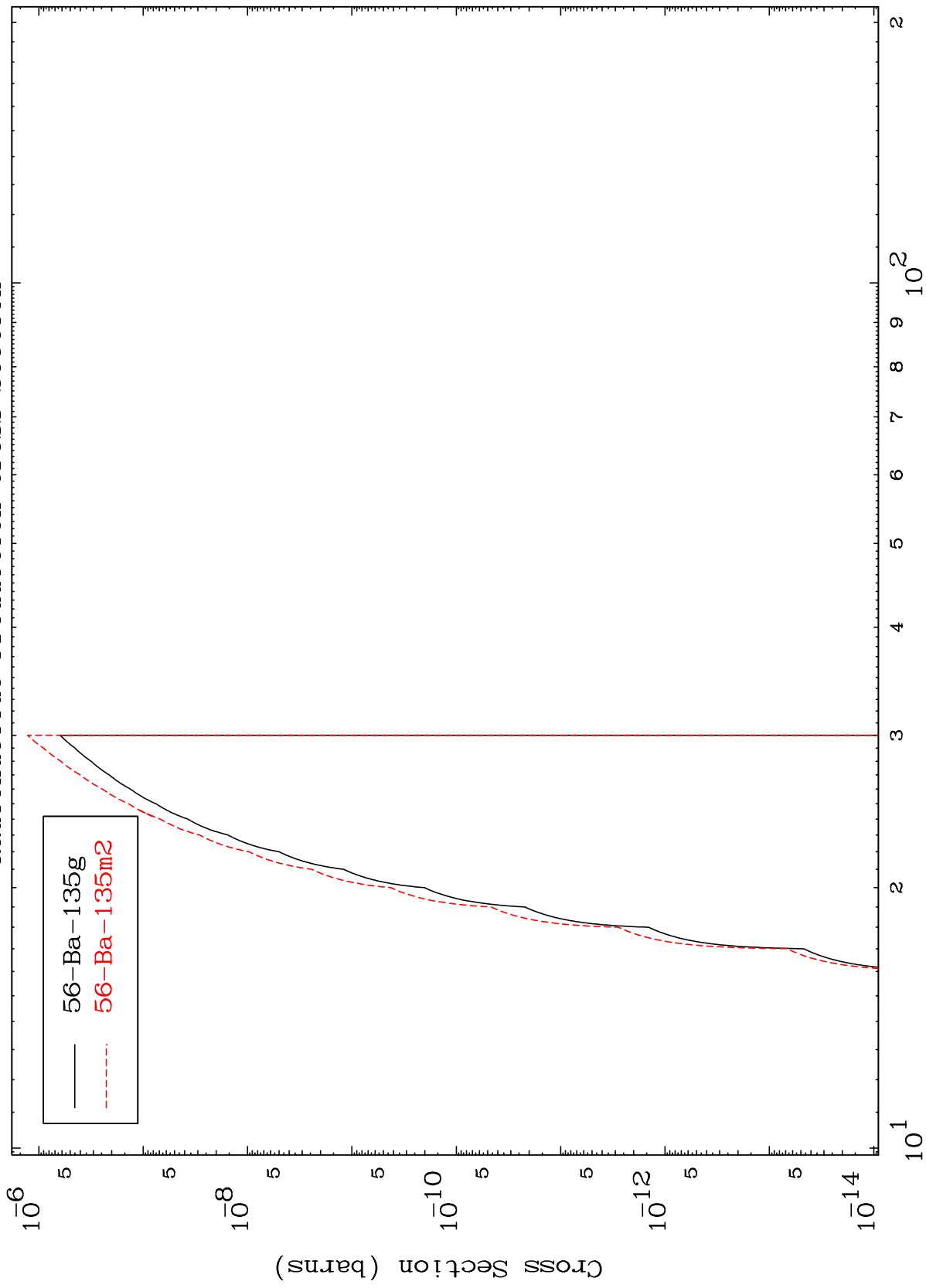
58-Ce-137m

MAT 5829

(n,p) d

58-Ce-137m

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-137m

27