

Program EVALPLOT  
(Version 2018-1)

by

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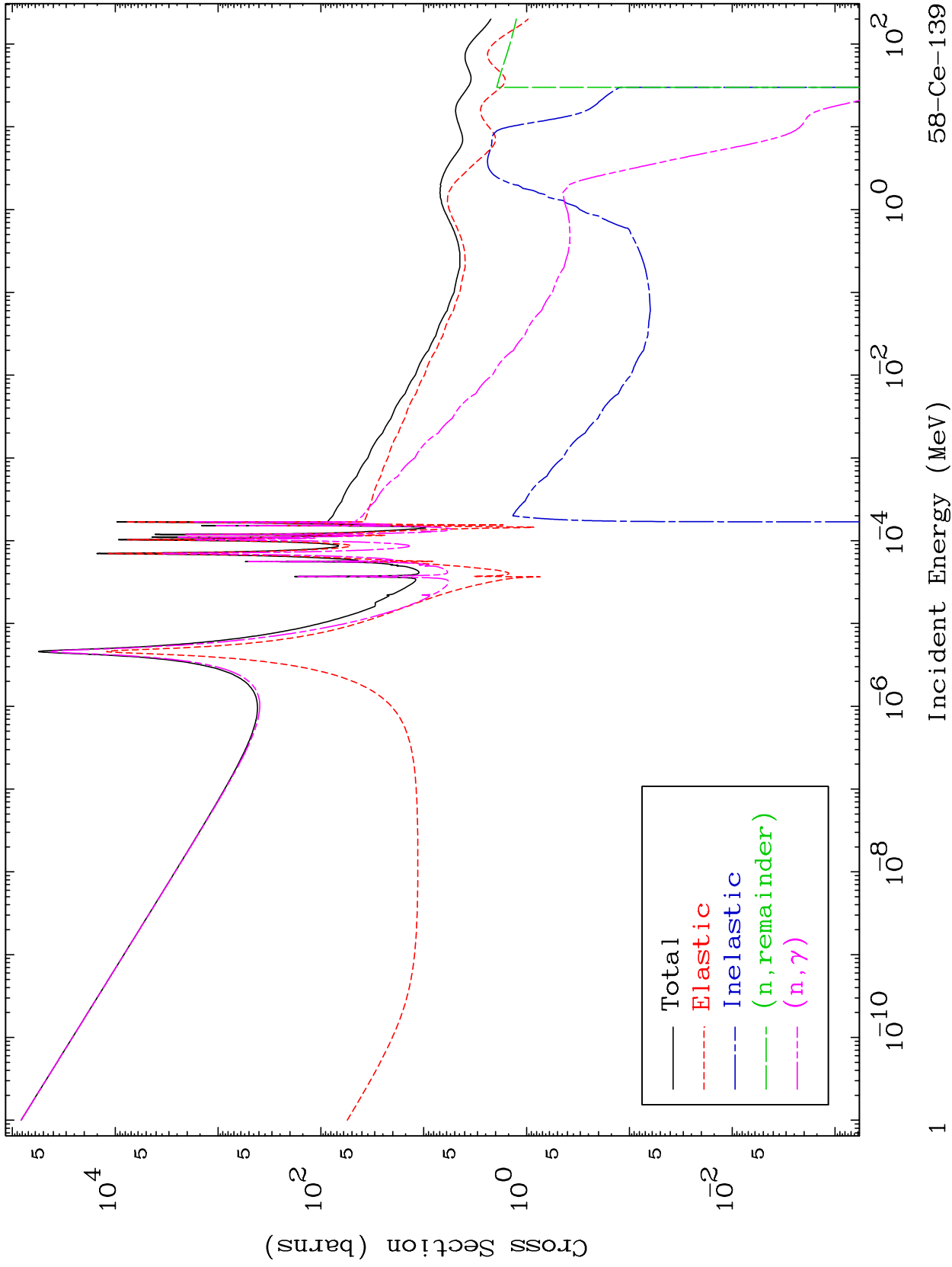
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5835

Major  
293 Kelvin Cross Sections

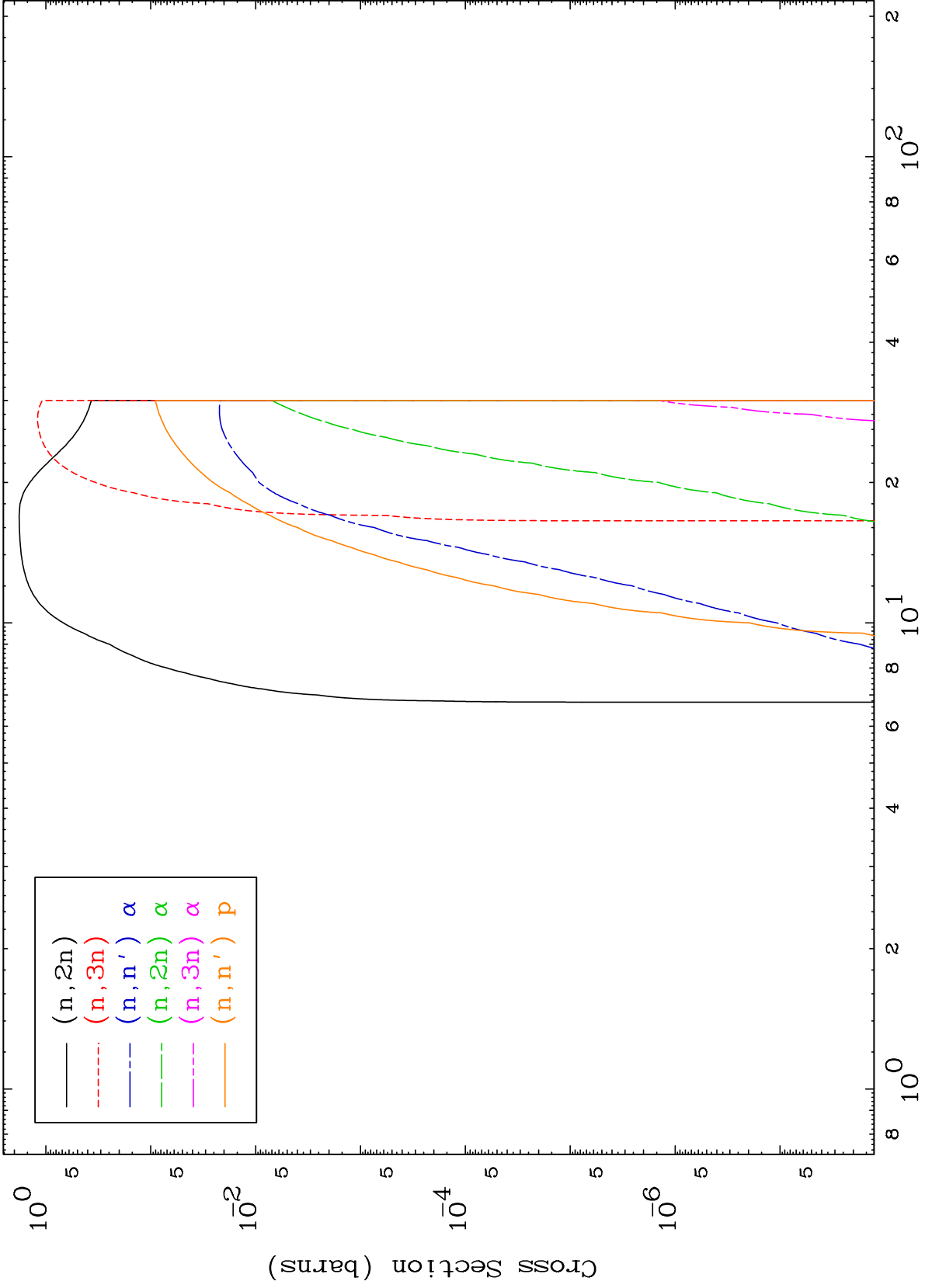
58-Ce-139



MAT 5835

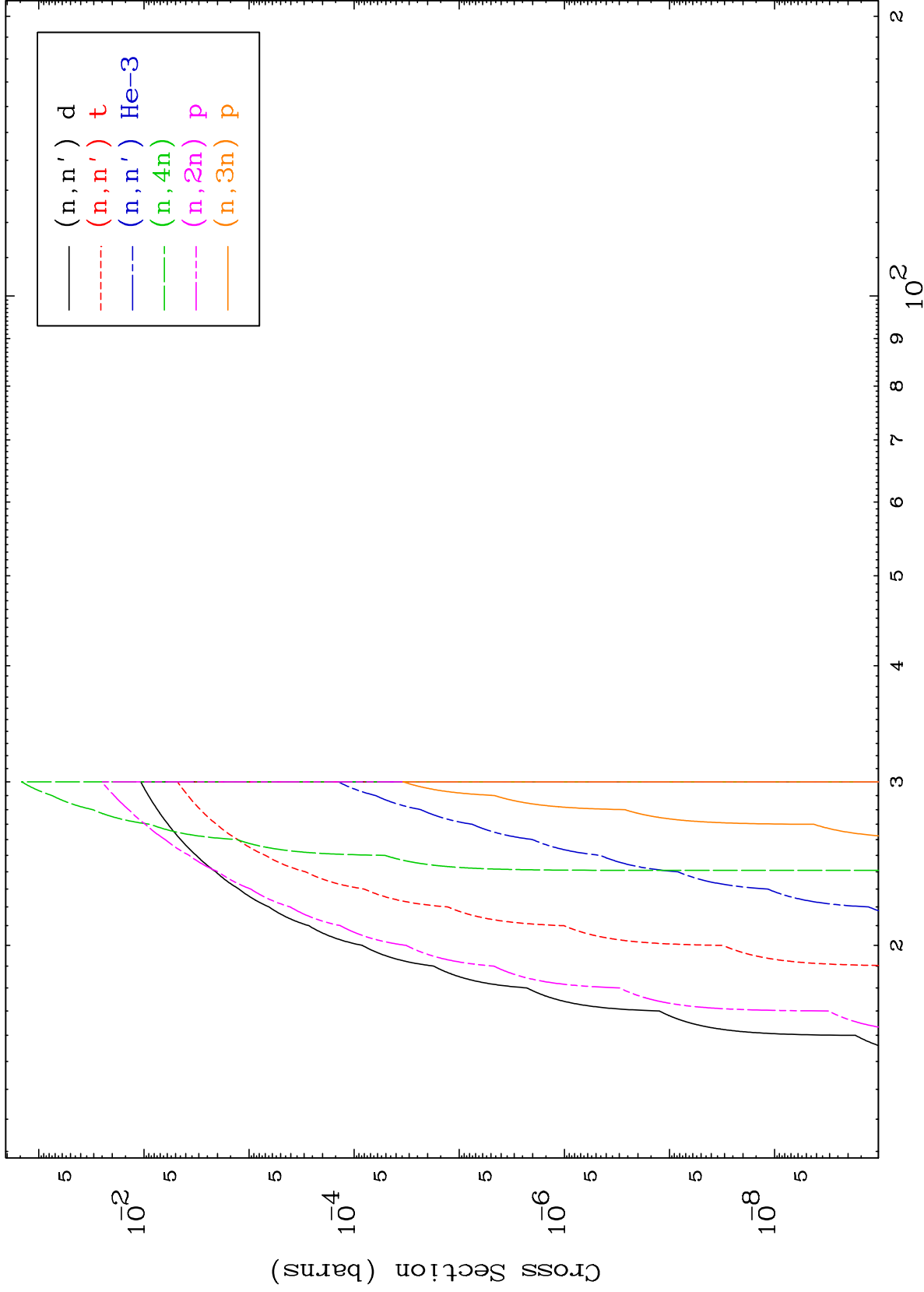
Neutron Production  
293 Kelvin Cross Sections

58-Ce-139



Incident Energy (MeV)

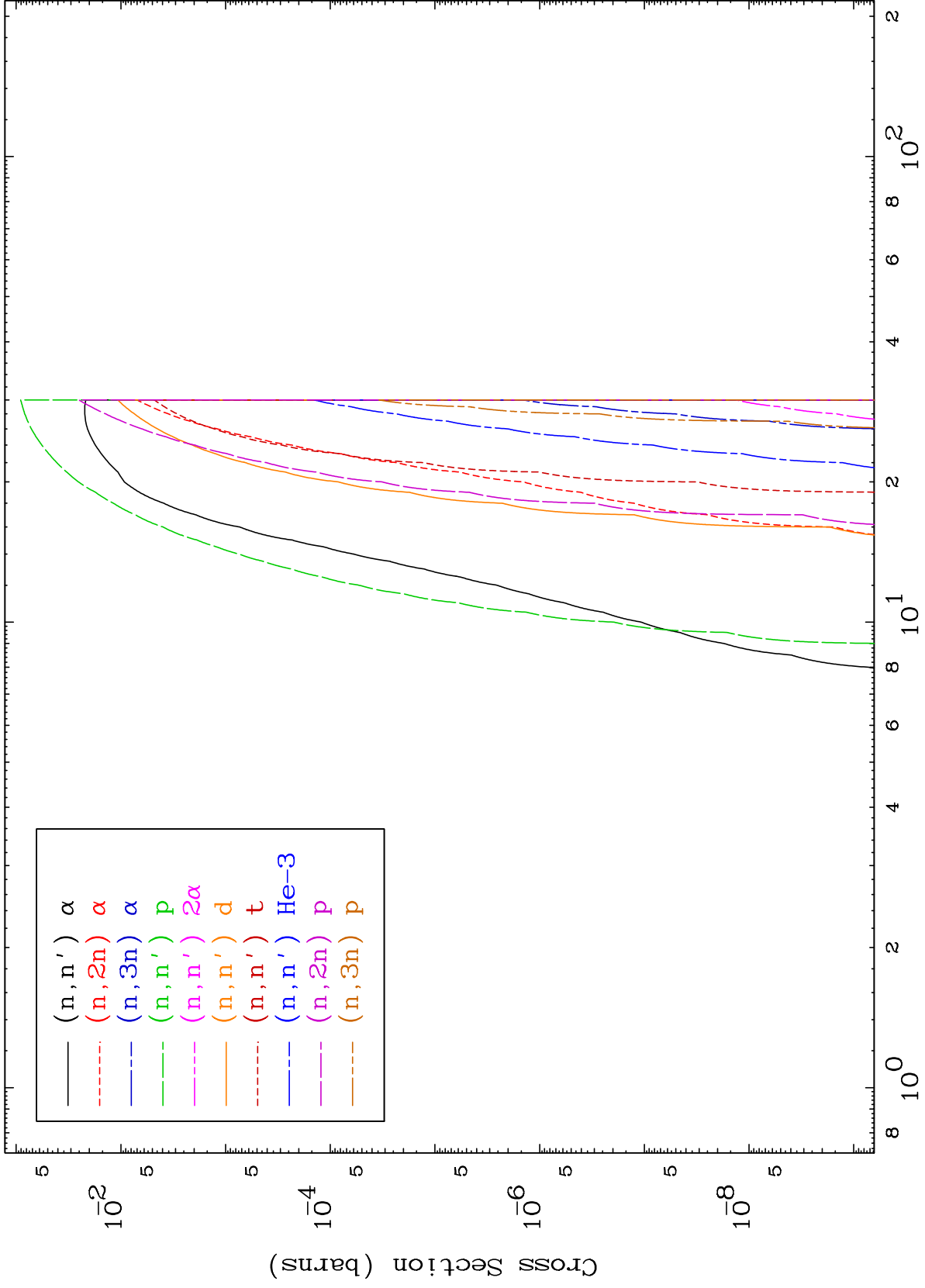
58-Ce-139



MAT 5835

Charged Particle  
293 Kelvin Cross Sections

58-Ce-139



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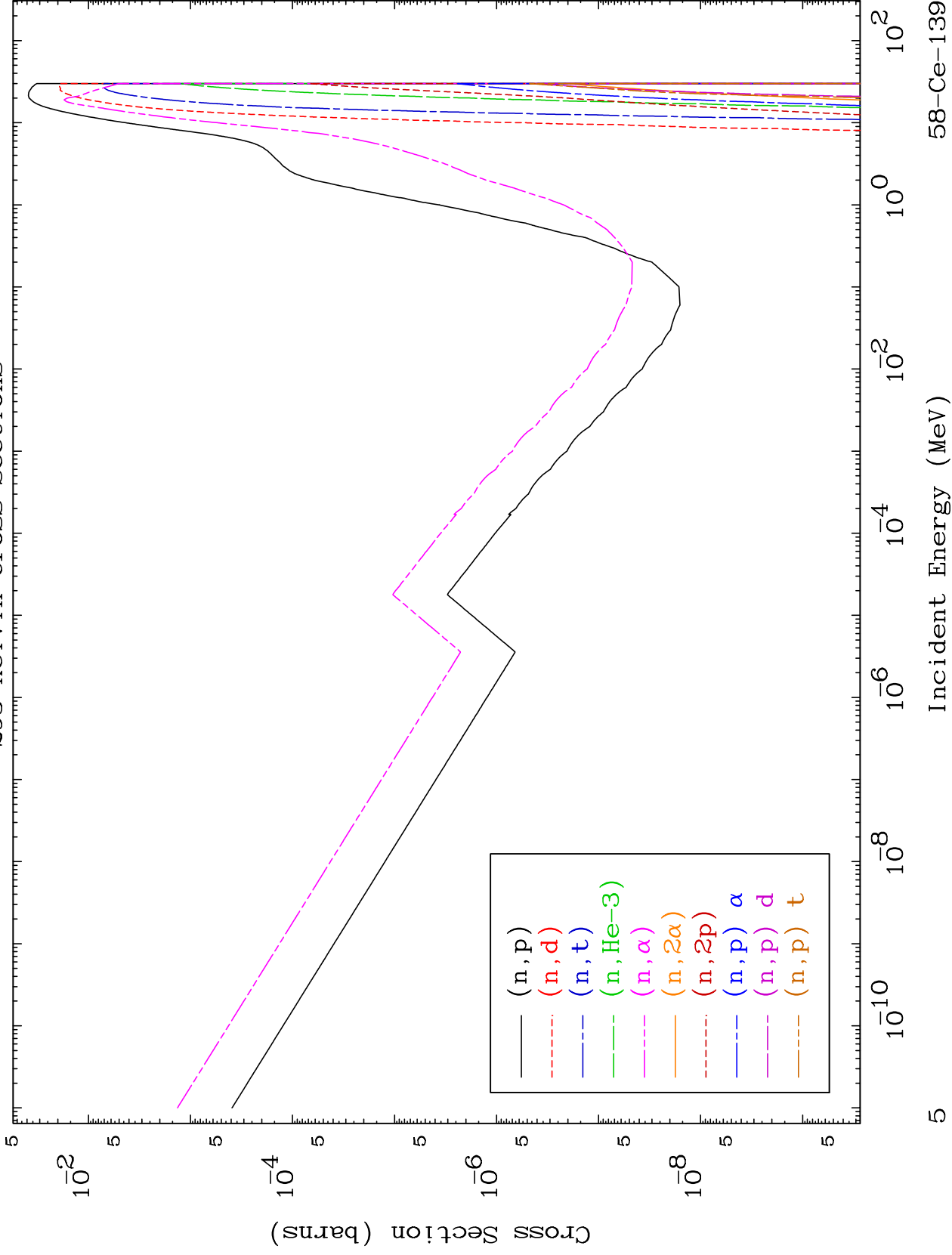
Incident Energy (MeV)

58-Ce-139

MAT 5835

Charged Particle  
293 Kelvin Cross Sections

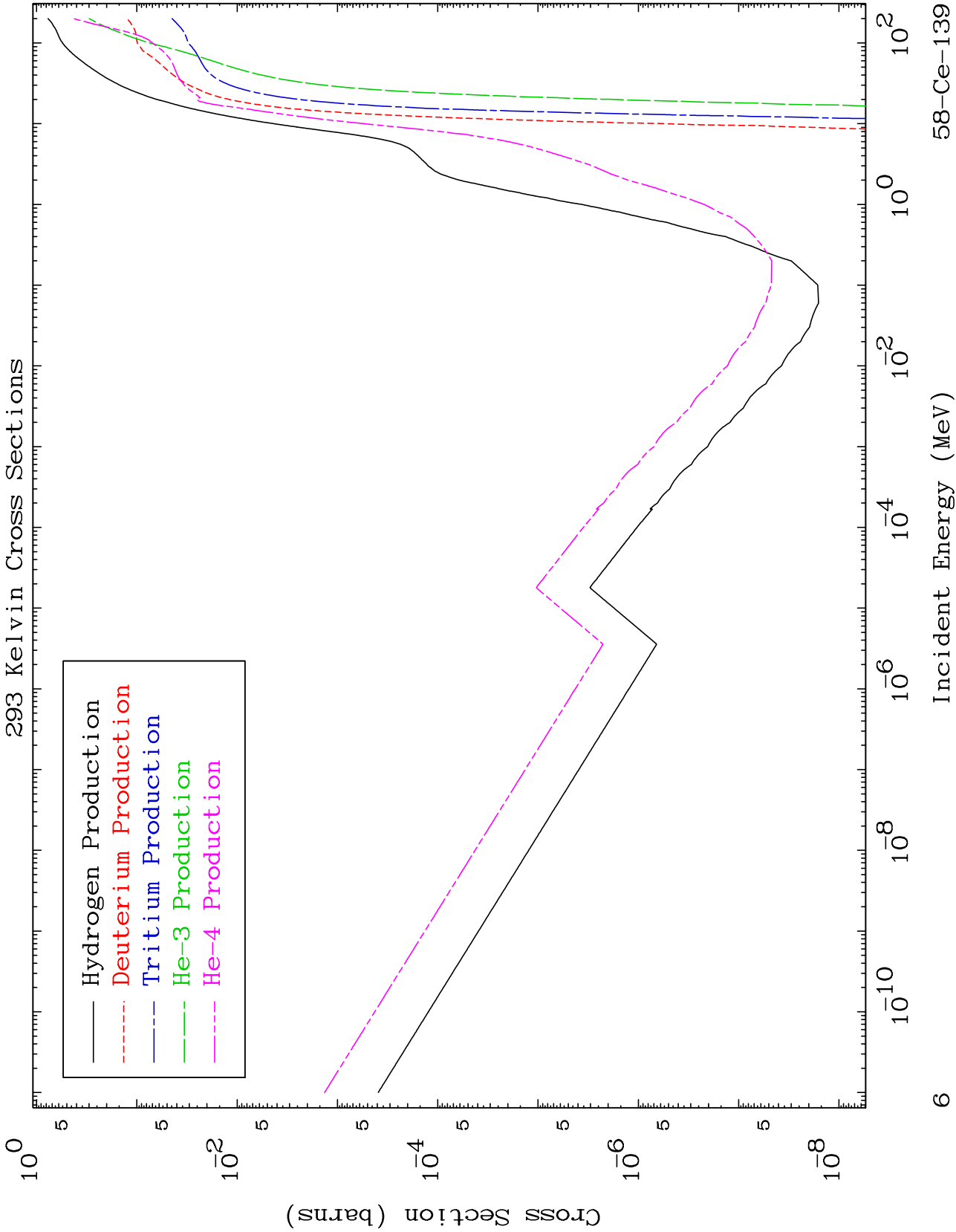
58-Ce-139



MAT 5835

Particle Production  
293 Kelvin Cross Sections

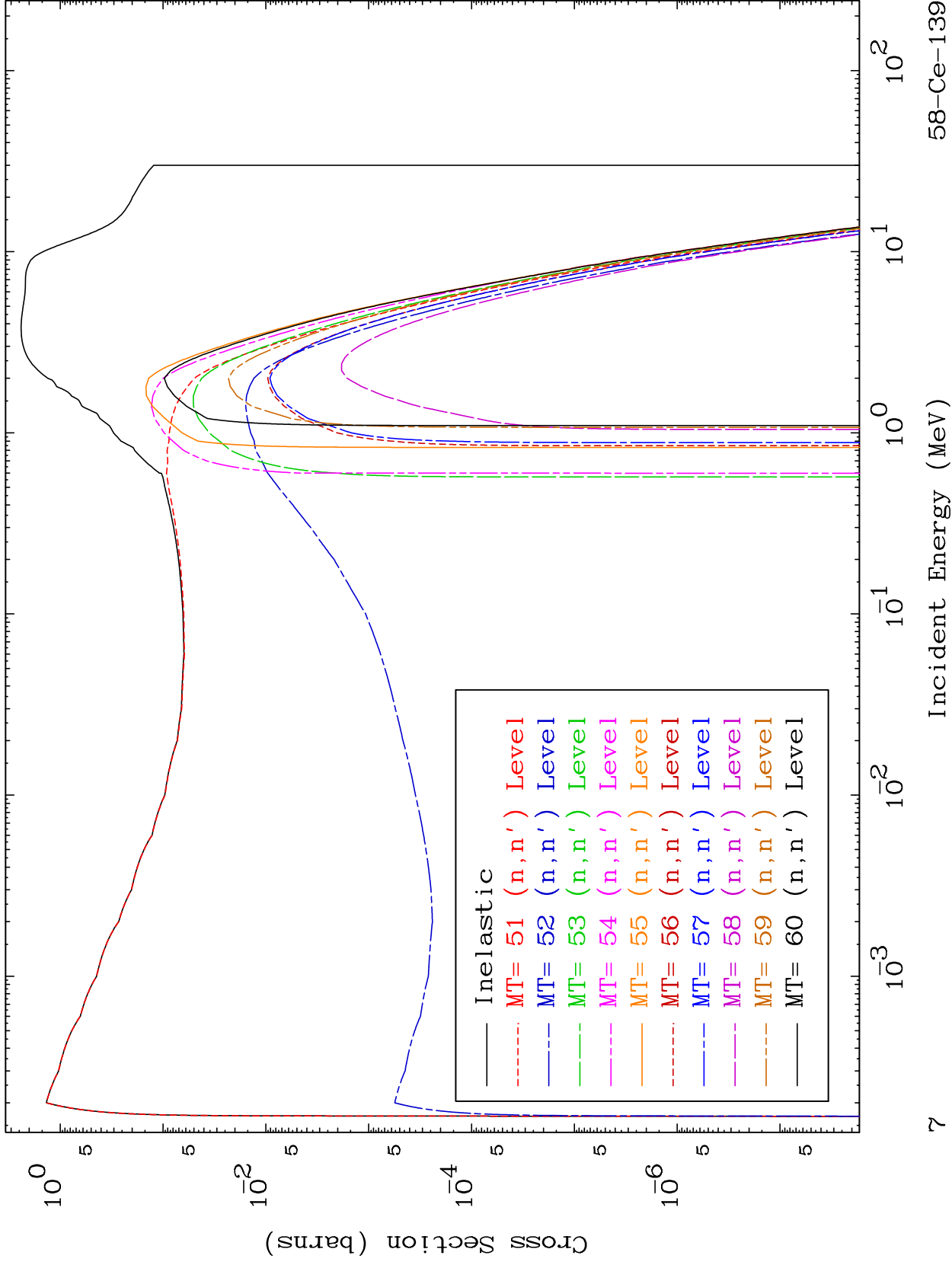
58-Ce-139



MAT 5835

(n,n') Level  
293 Kelvin Cross Sections

58-Ce-139



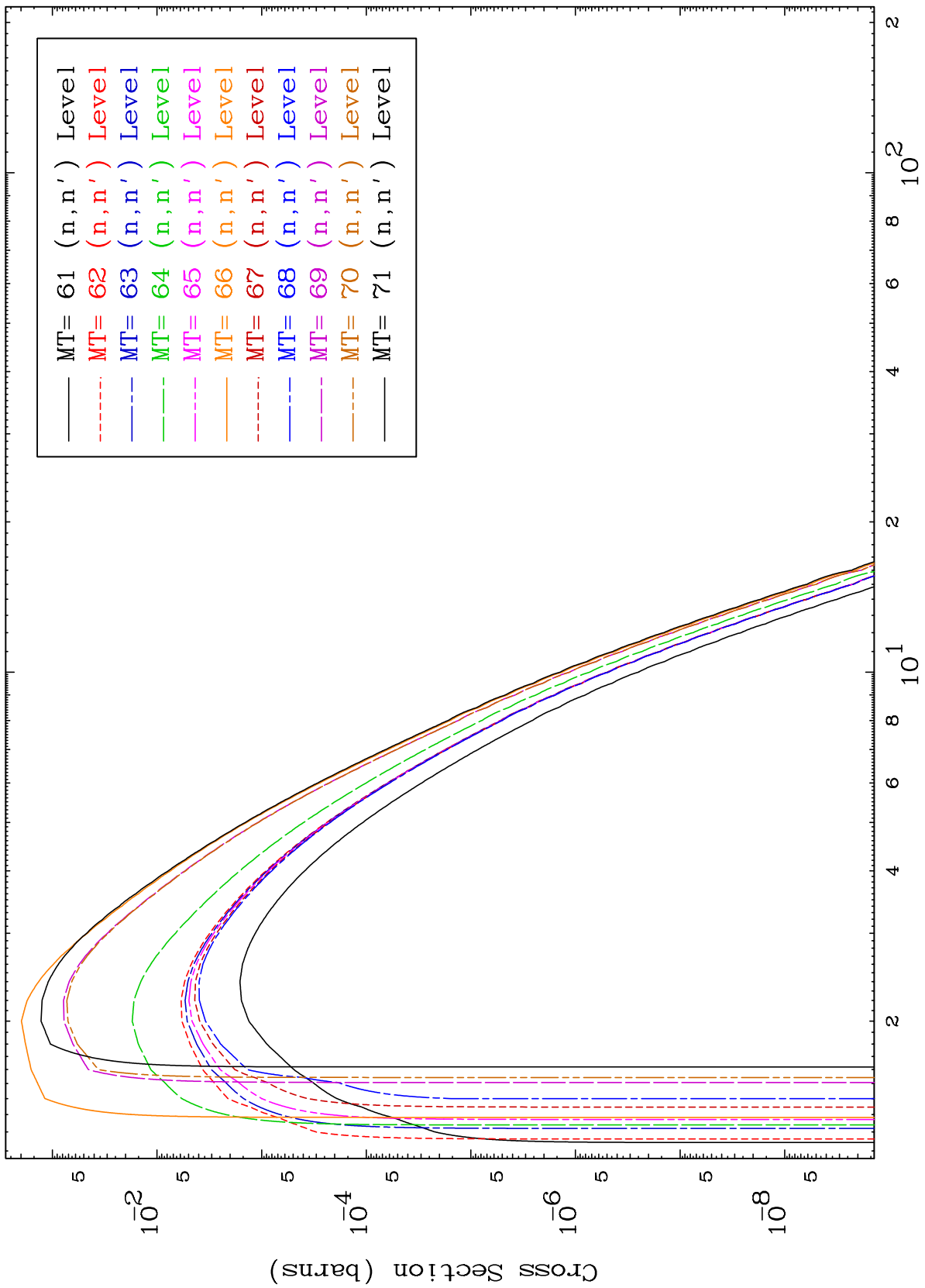


MAT 5835

(n,n') Level

58-Ce-139

293 Kelvin Cross Sections



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Incident Energy (MeV)

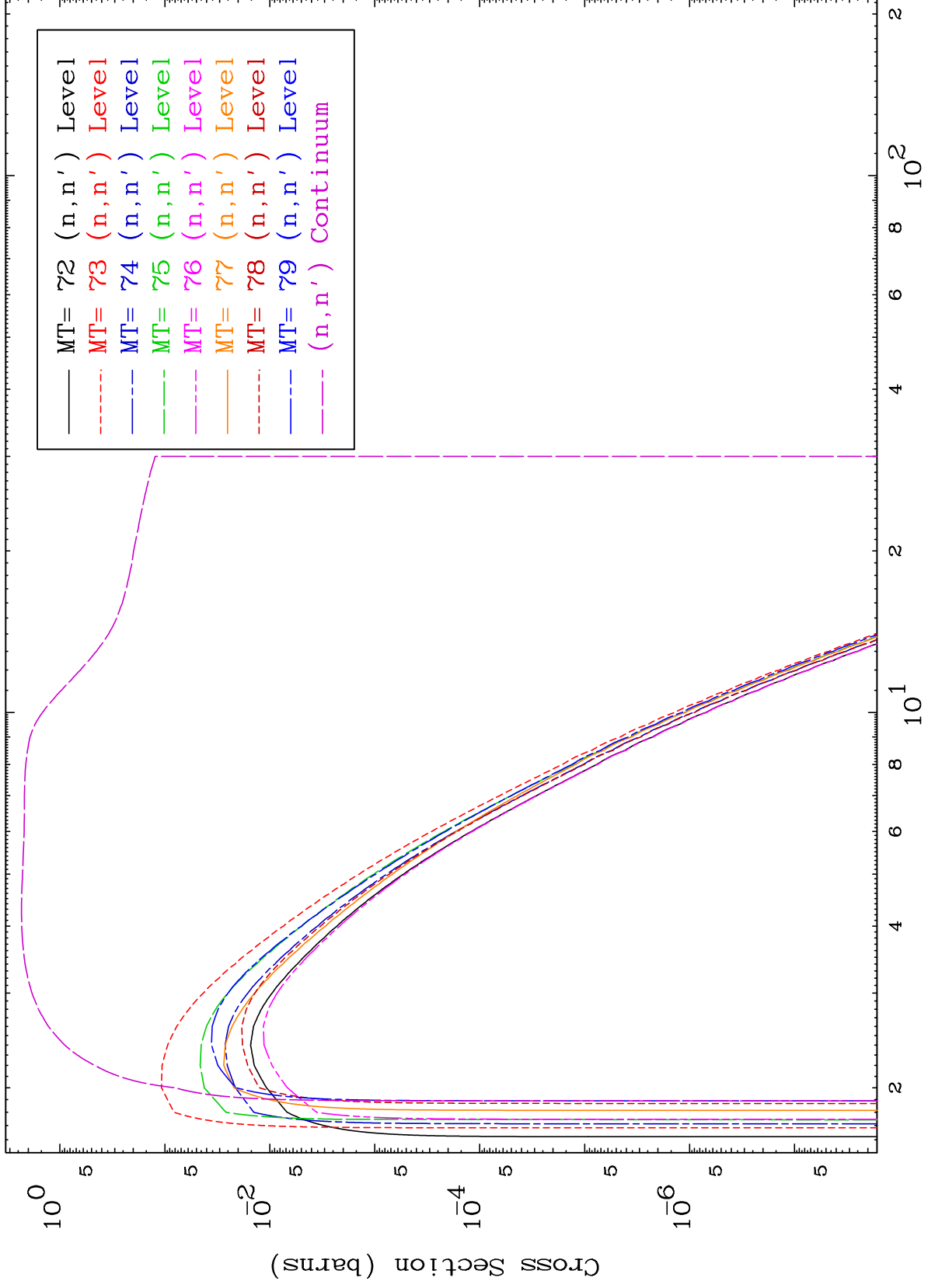
58-Ce-139

MAT 5835

(n,n') Level

58-Ce-139

293 Kelvin Cross Sections



9

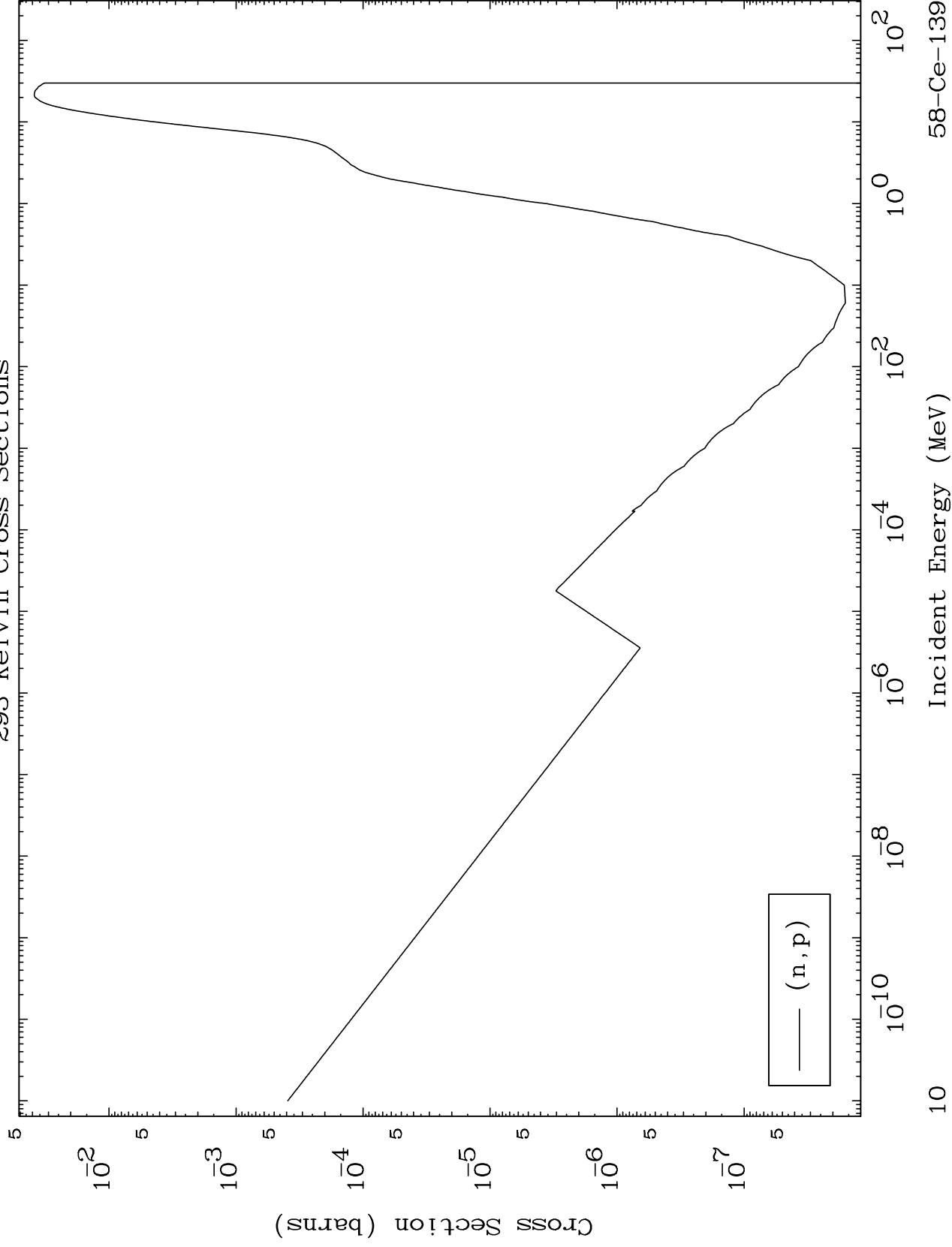
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n,p) Levels  
293 Kelvin Cross Sections

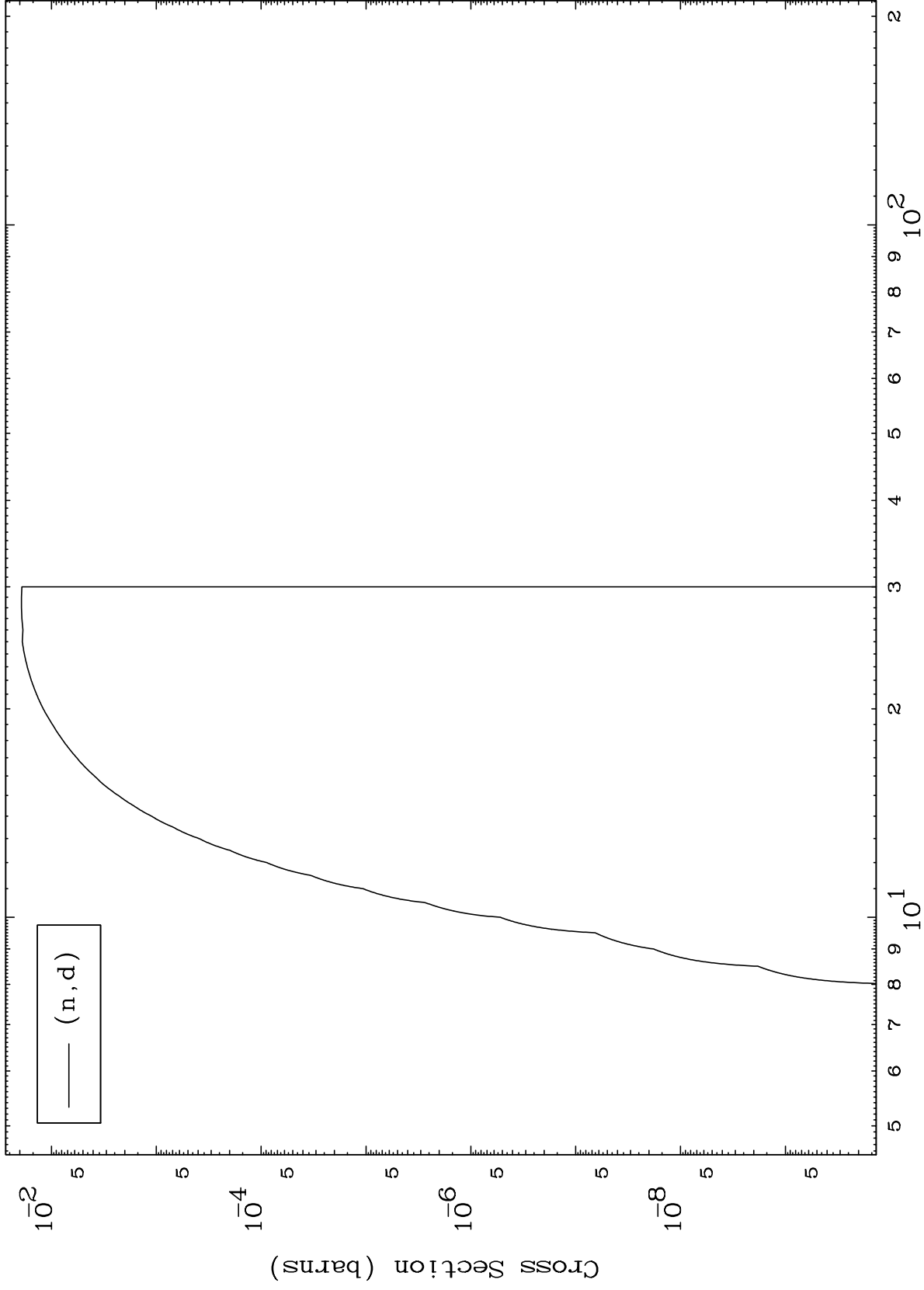
58-Ce-139



MAT 5835

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-139



11

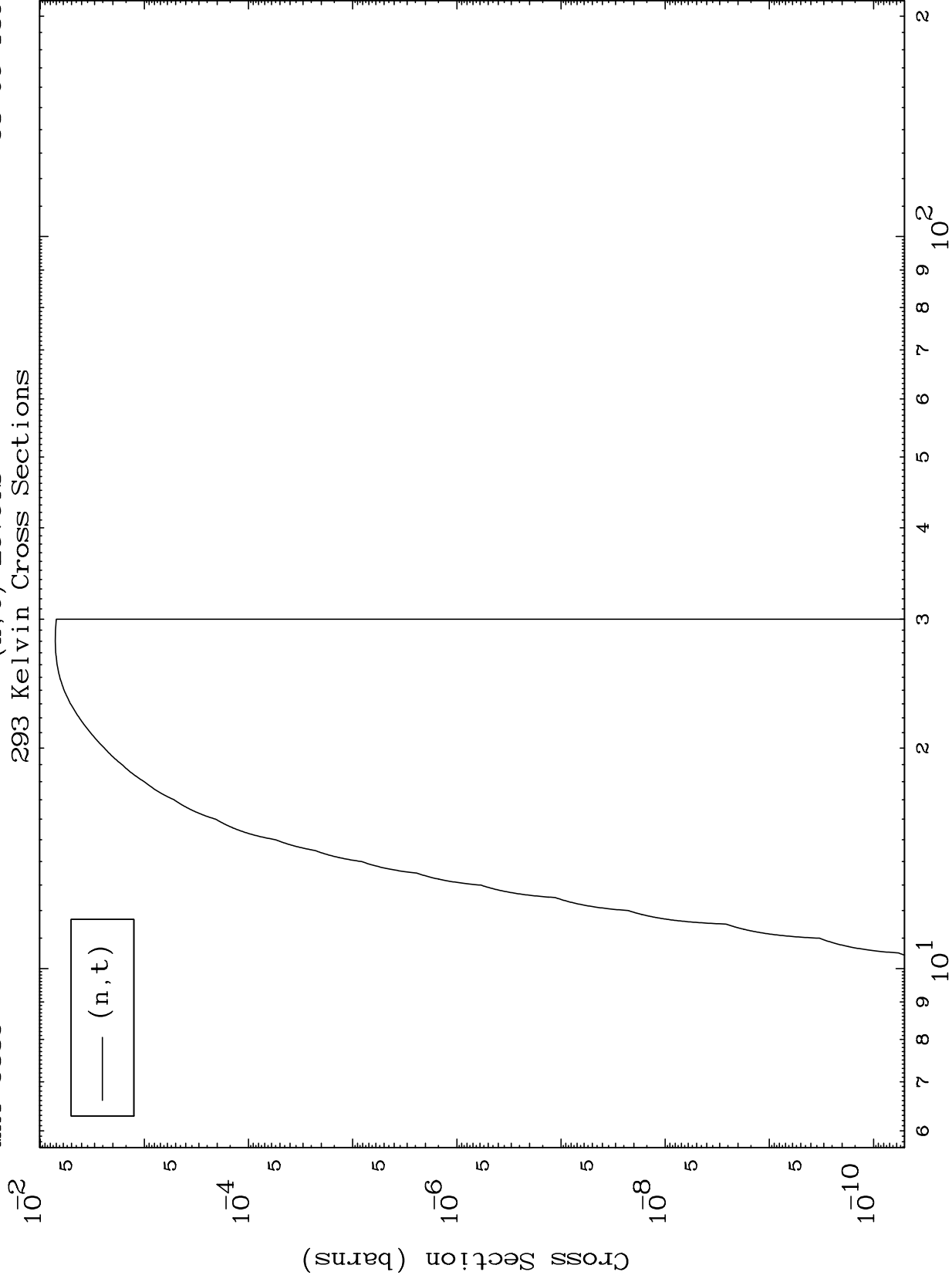
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n, t) Levels  
293 Kelvin Cross Sections

58-Ce-139



12

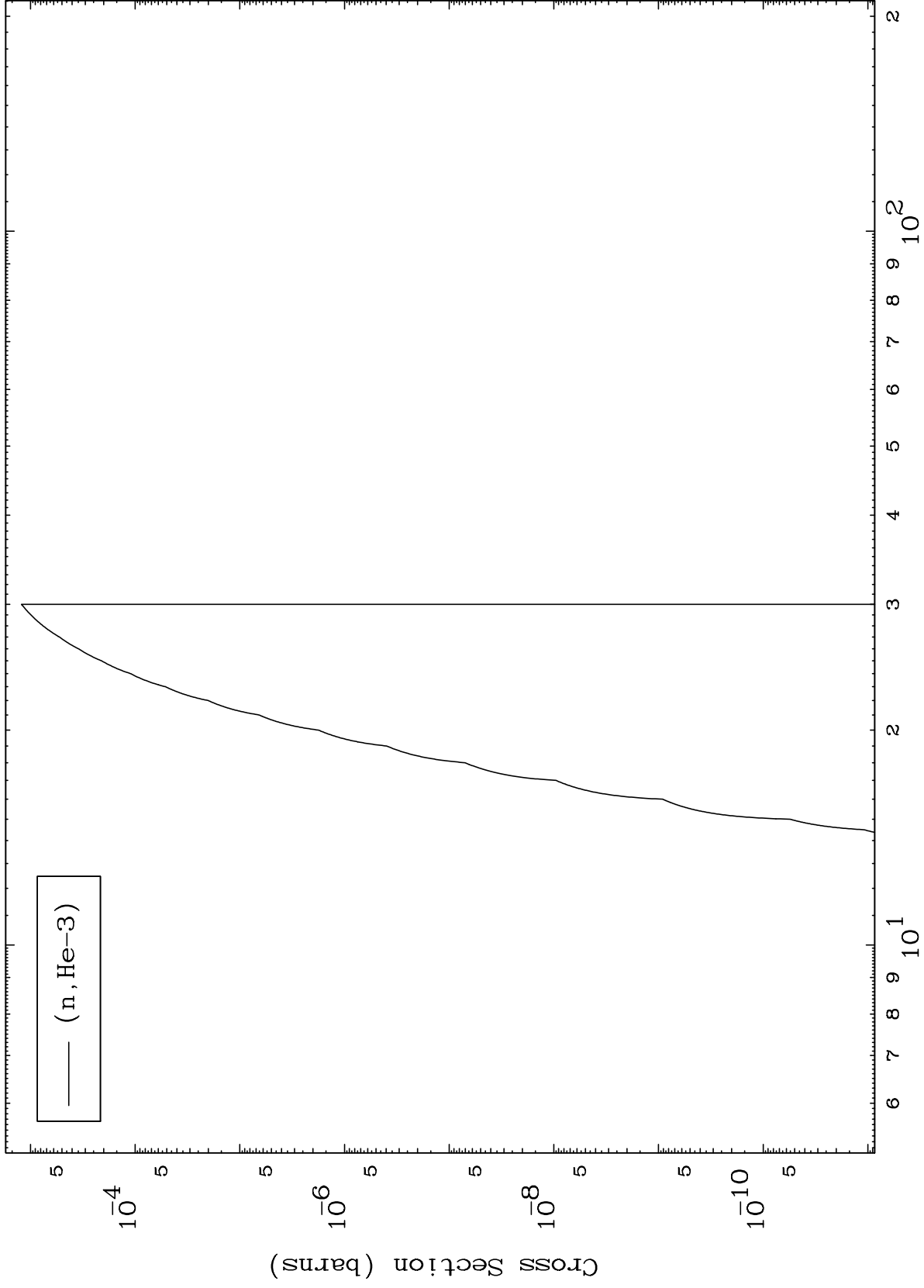
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-139



13

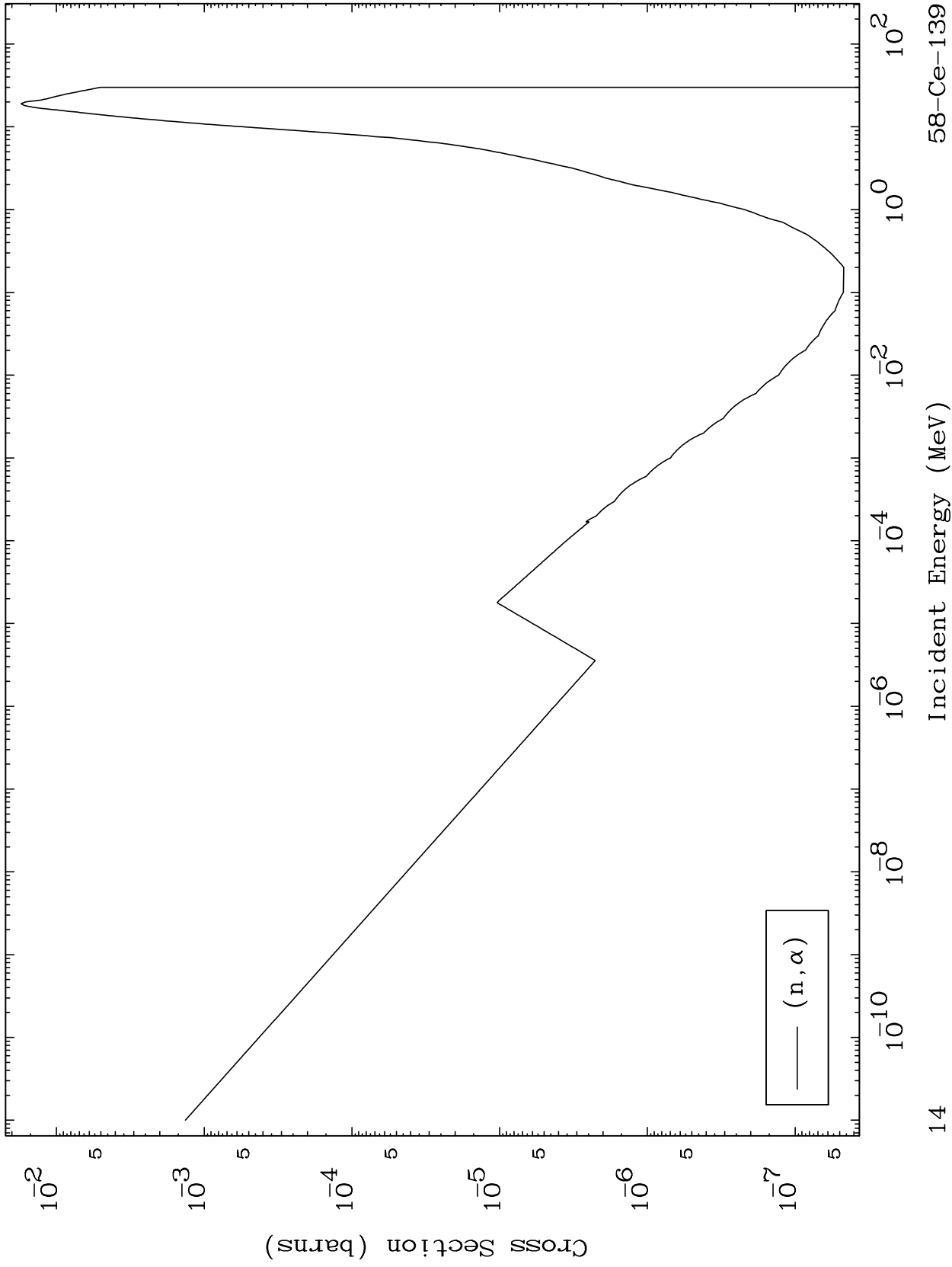
Incident Energy (MeV)

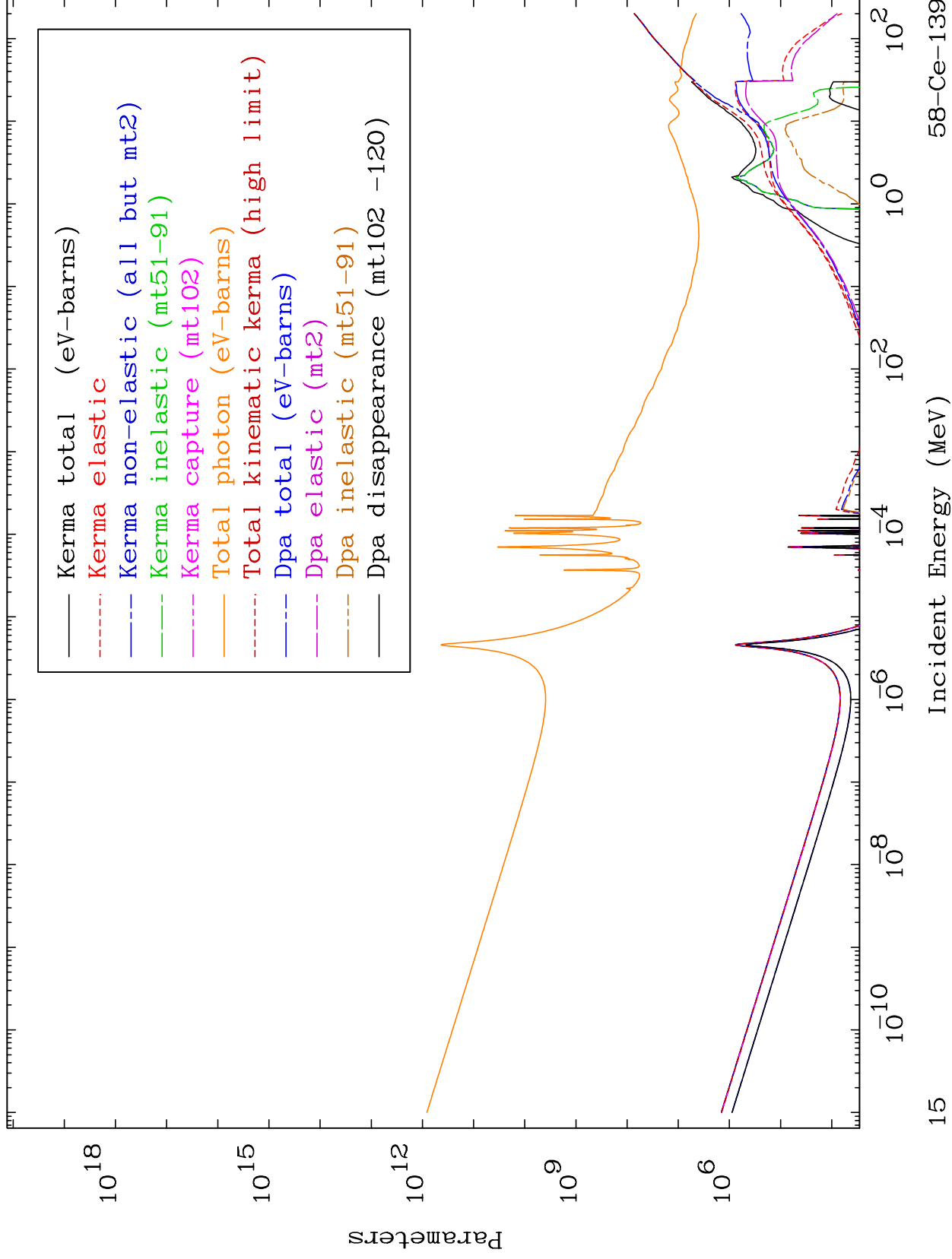
58-Ce-139

MAT 5835

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

58-Ce-139



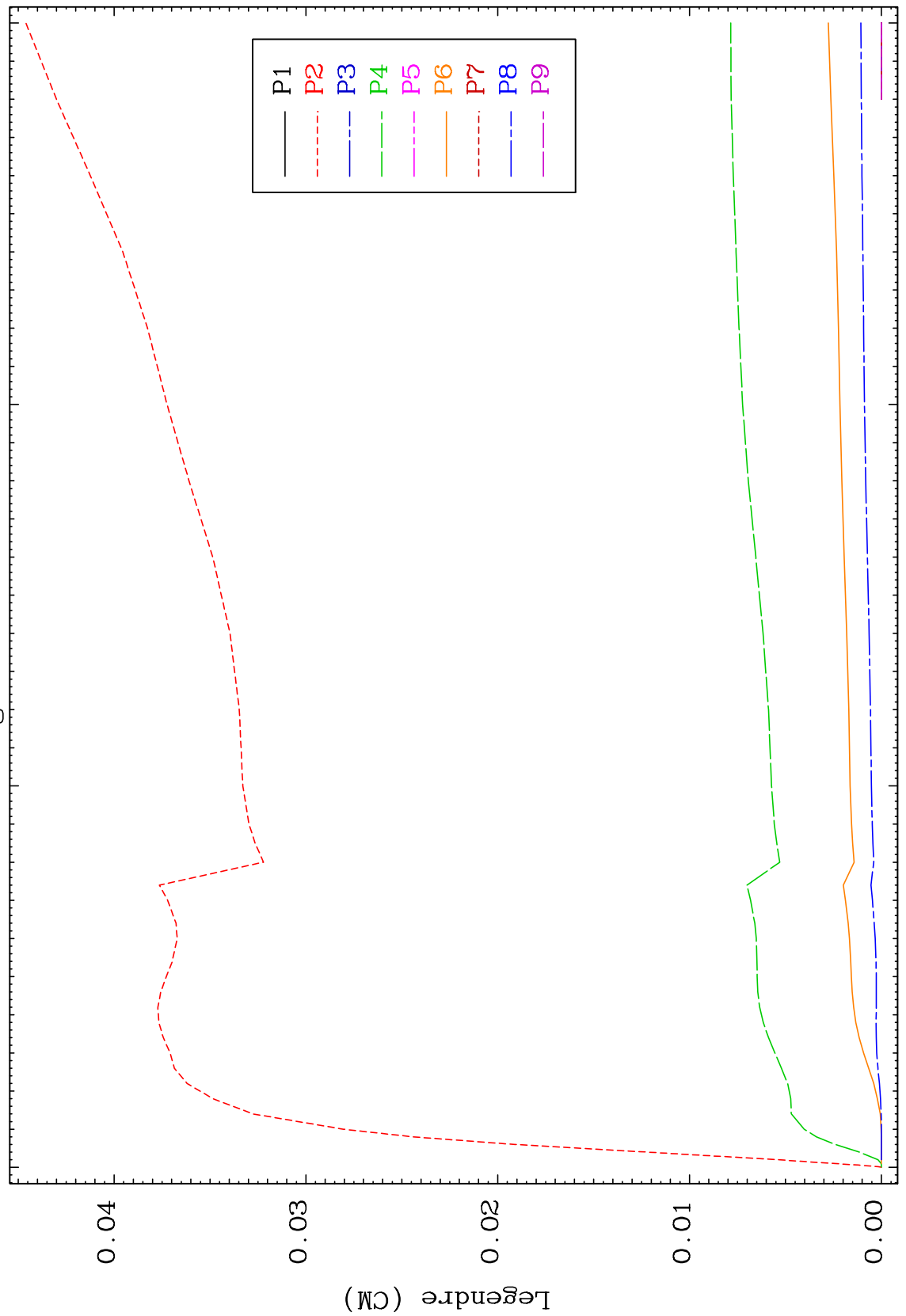




MAT 5835

Elastic Legendre Coefficients

58-Ce-139



16

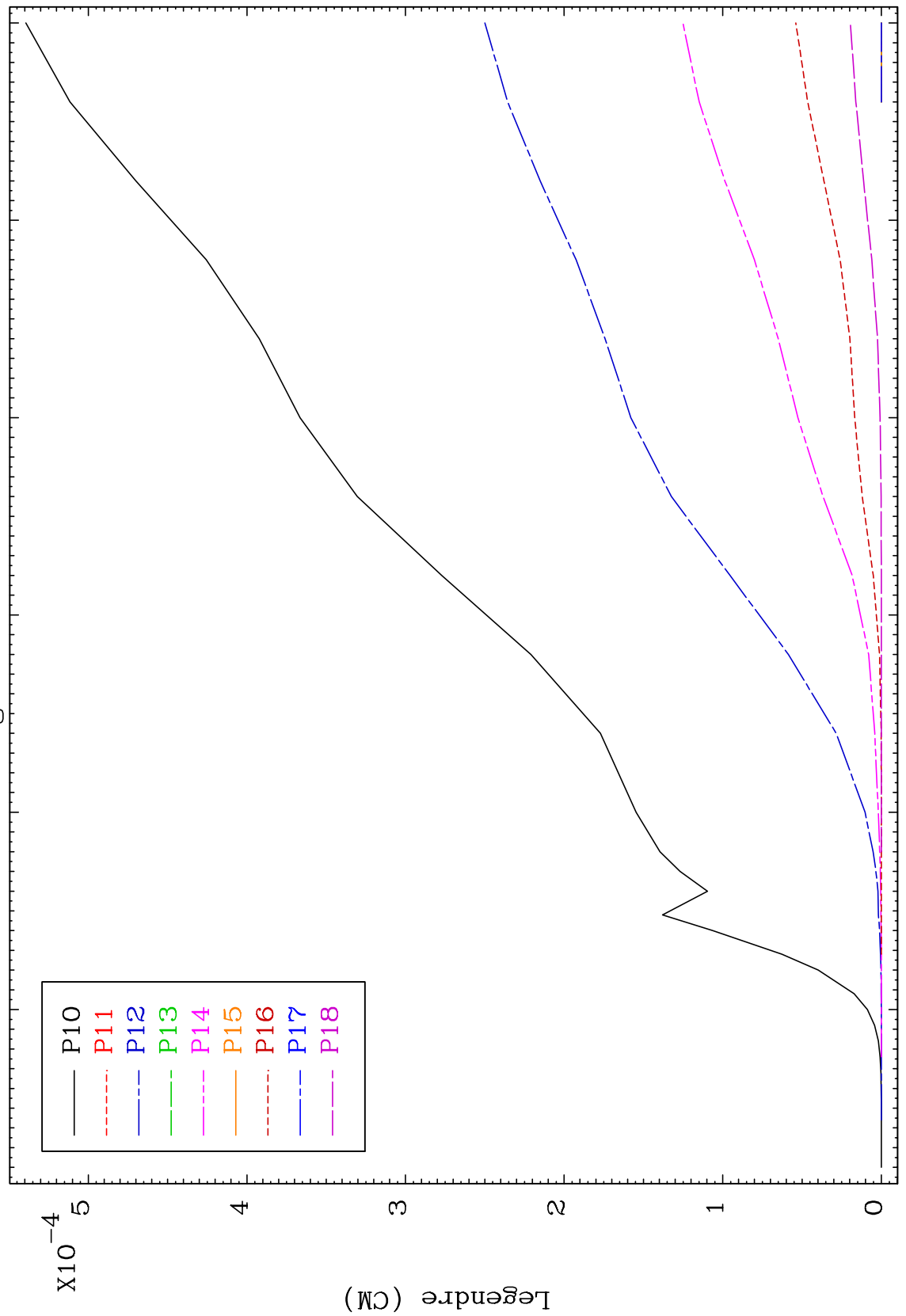
Incident Energy (MeV)

58-Ce-139

MAT 5835

Elastic Legendre Coefficients

58-Ce-139



17

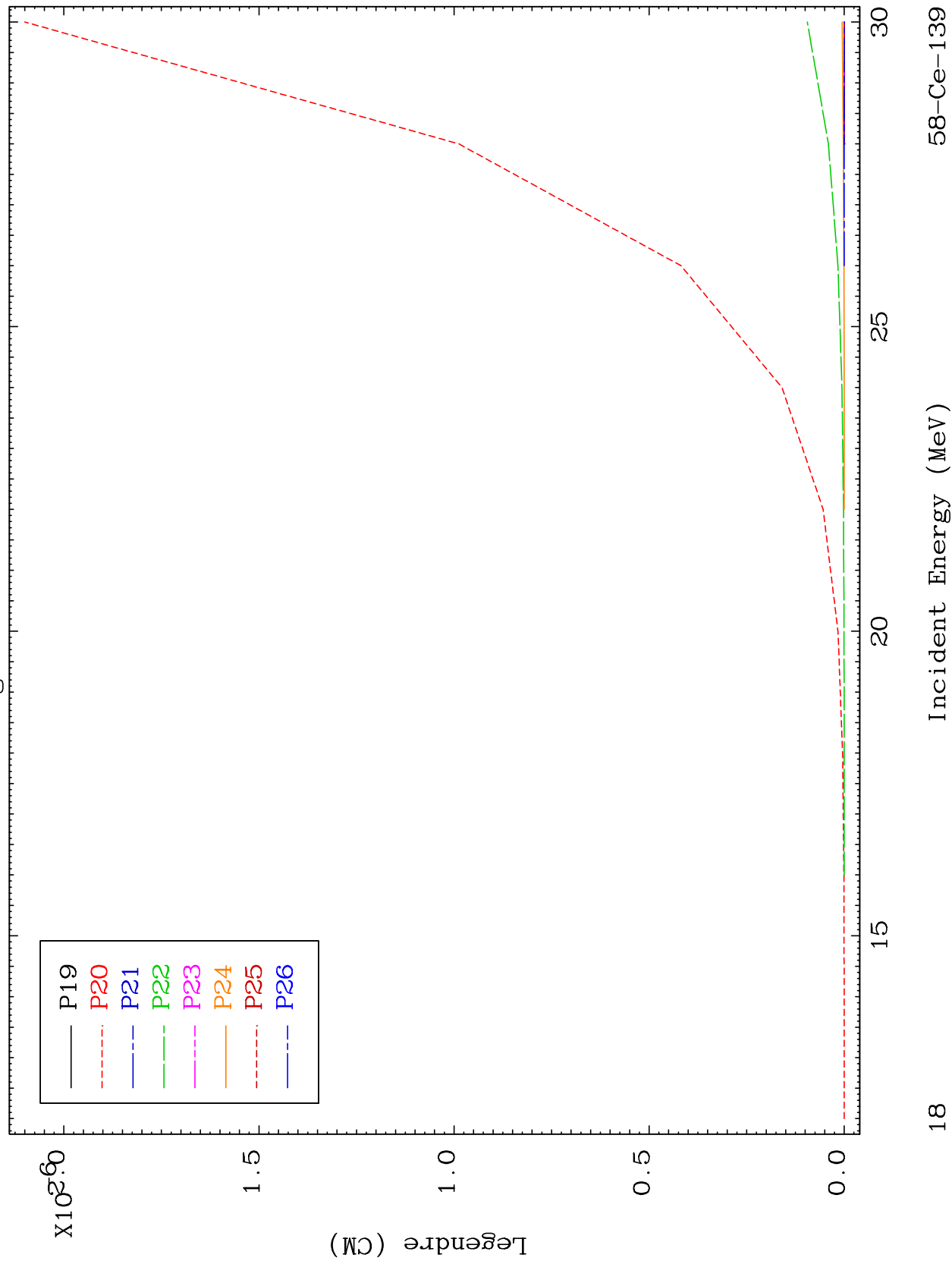
Incident Energy (MeV)

58-Ce-139

MAT 5835

Elastic  
Legendre Coefficients

58-Ce-139



18

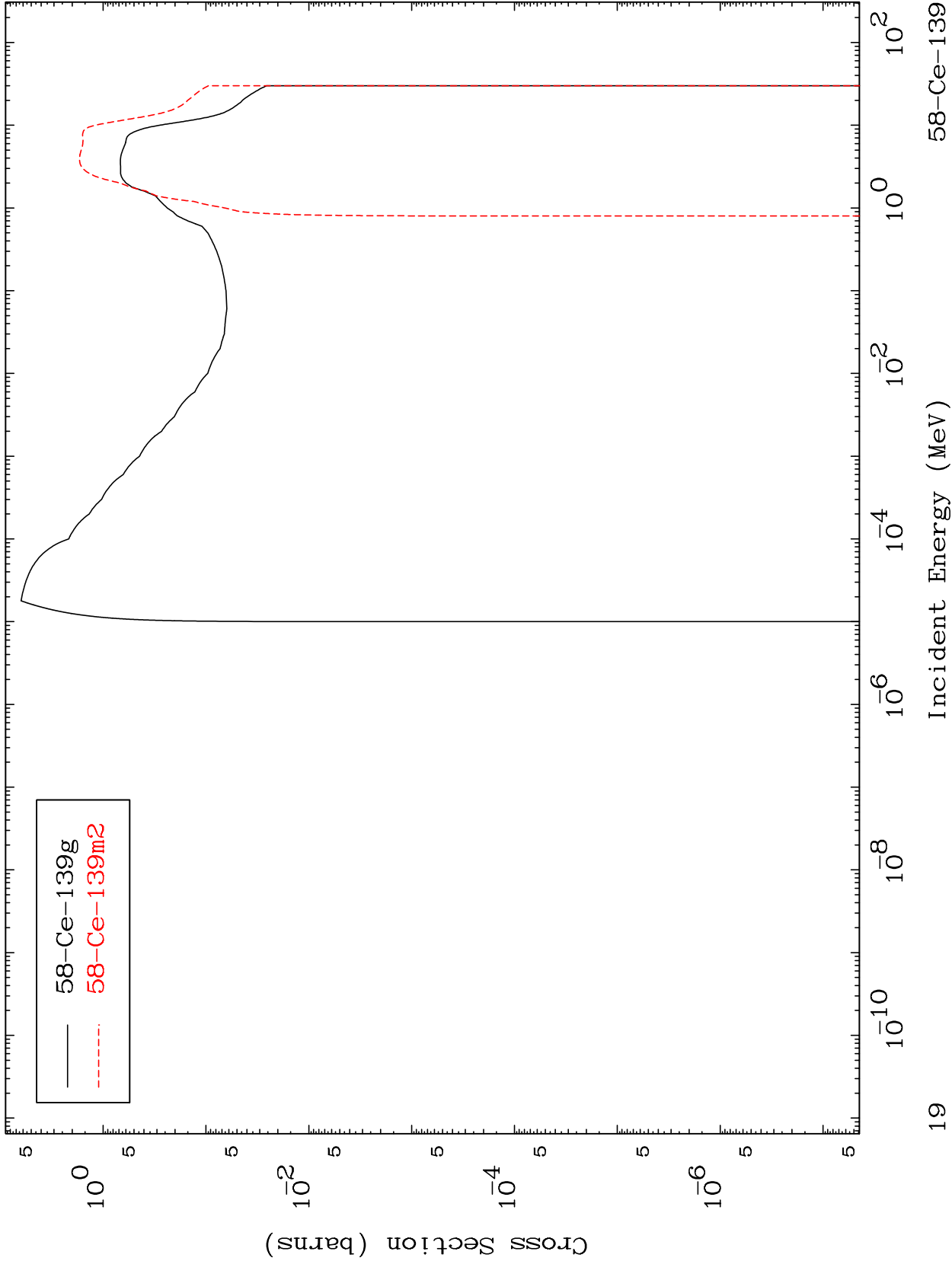
Incident Energy (MeV)

58-Ce-139

MAT 5835

Inelastic  
Radionuclide Production Cross Section

58-Ce-139



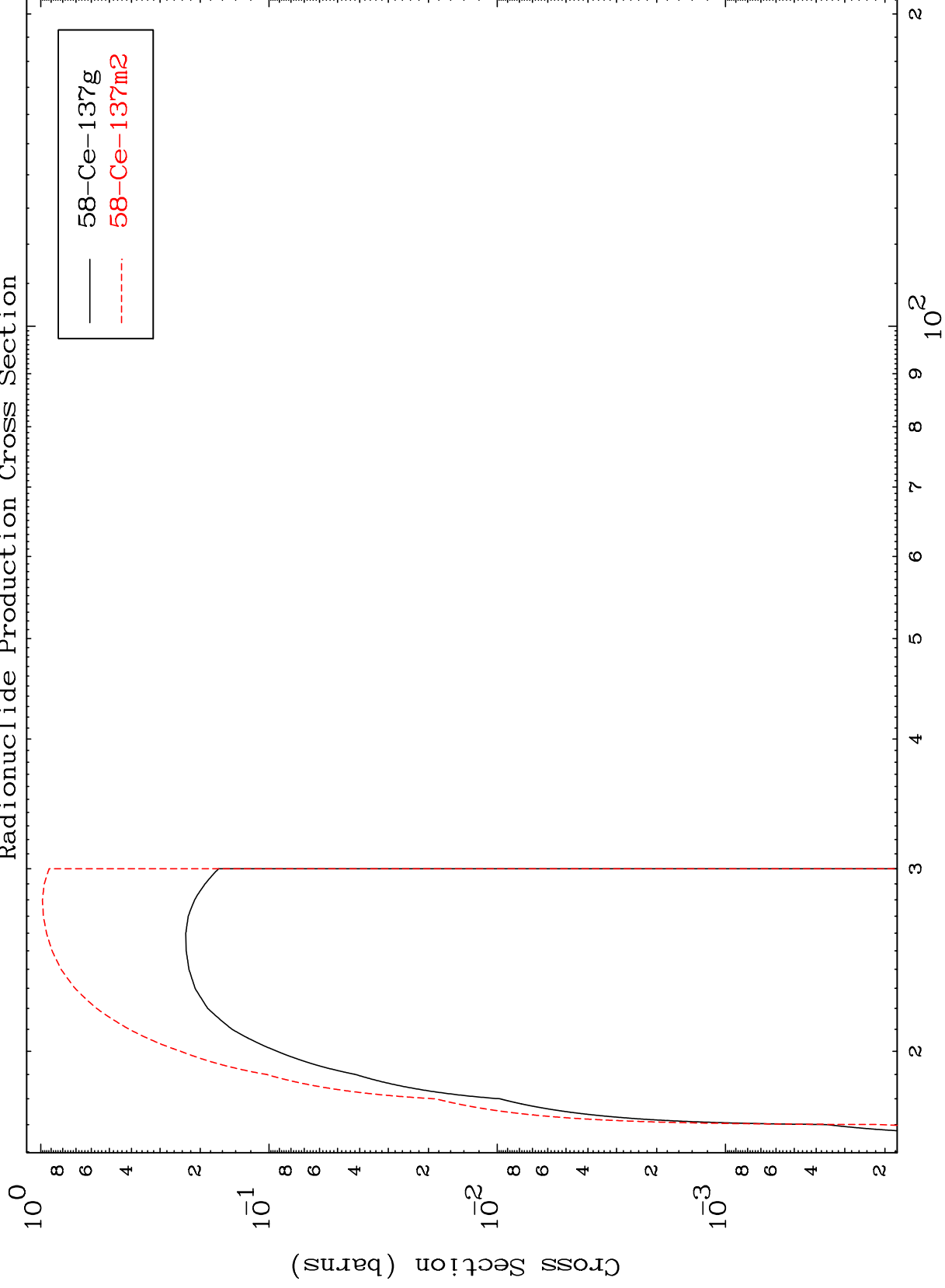
58-Ce-139g  
58-Ce-139m2

MAT 5835

(n,3n)

58-Ce-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

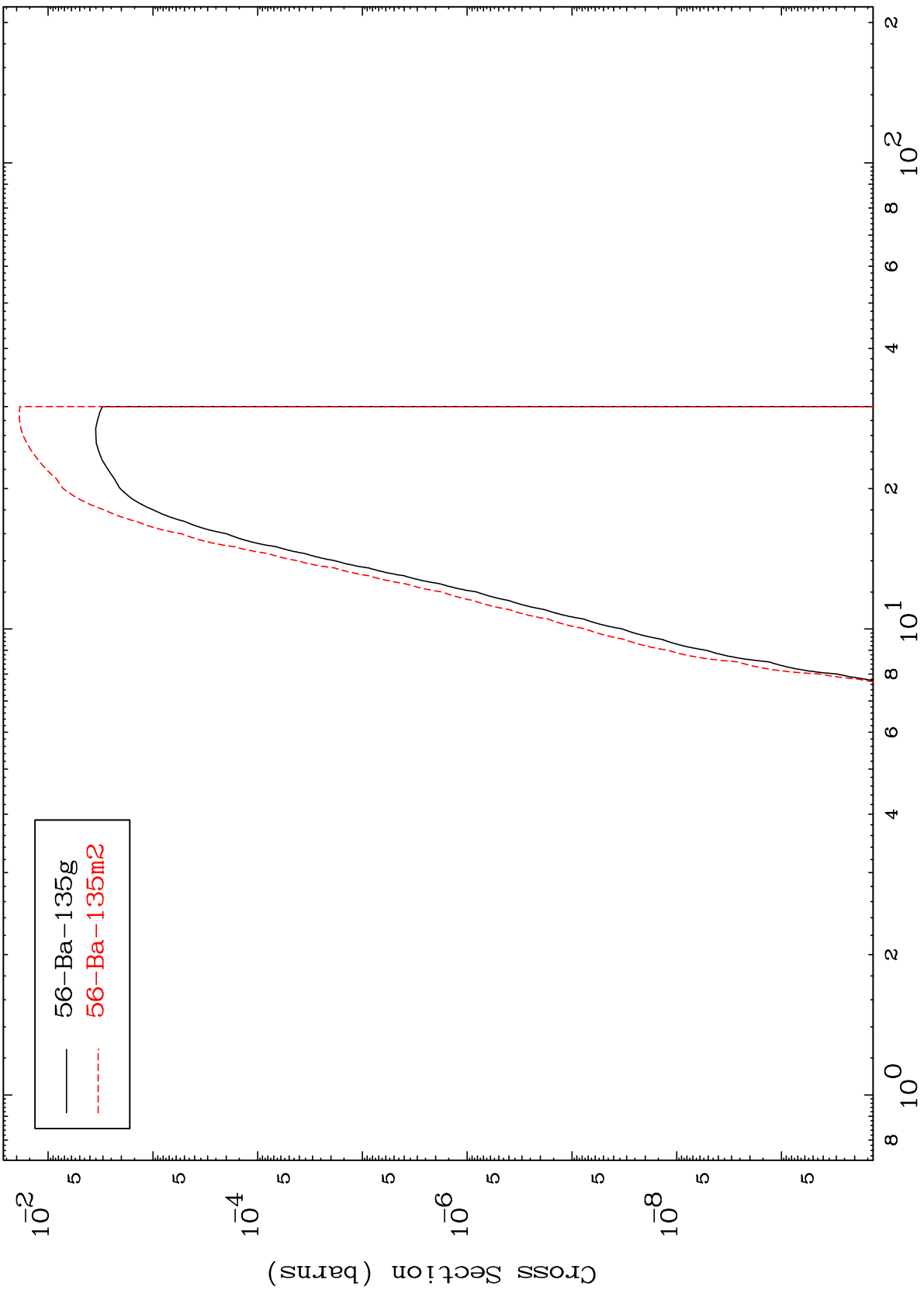
58-Ce-139

MAT 5835

(n,n')  $\alpha$

58-Ce-139

Radionuclide Production Cross Section

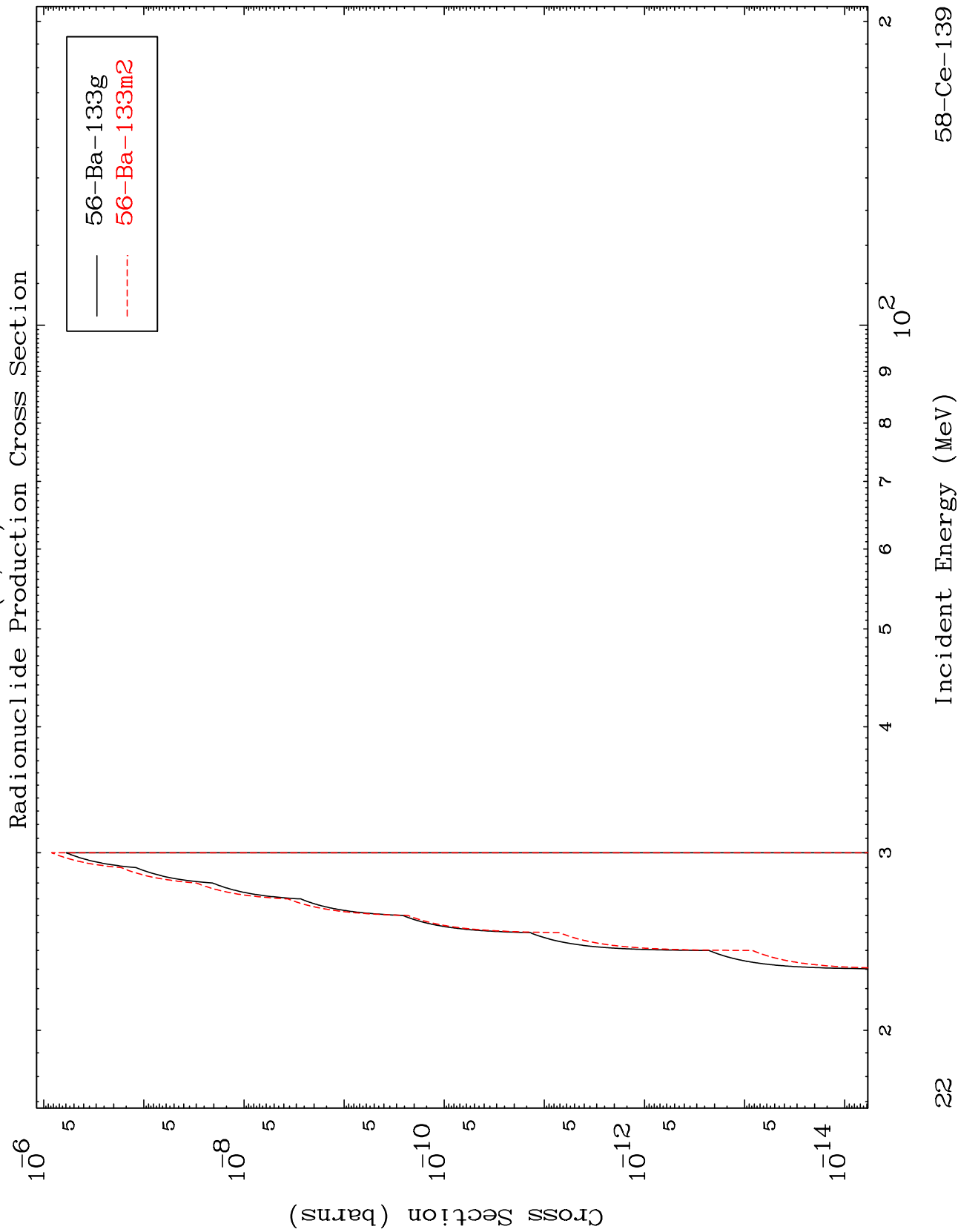


56-Ba-135g  
56-Ba-135m2

MAT 5835

(n,3n)  $\alpha$

58-Ce-139

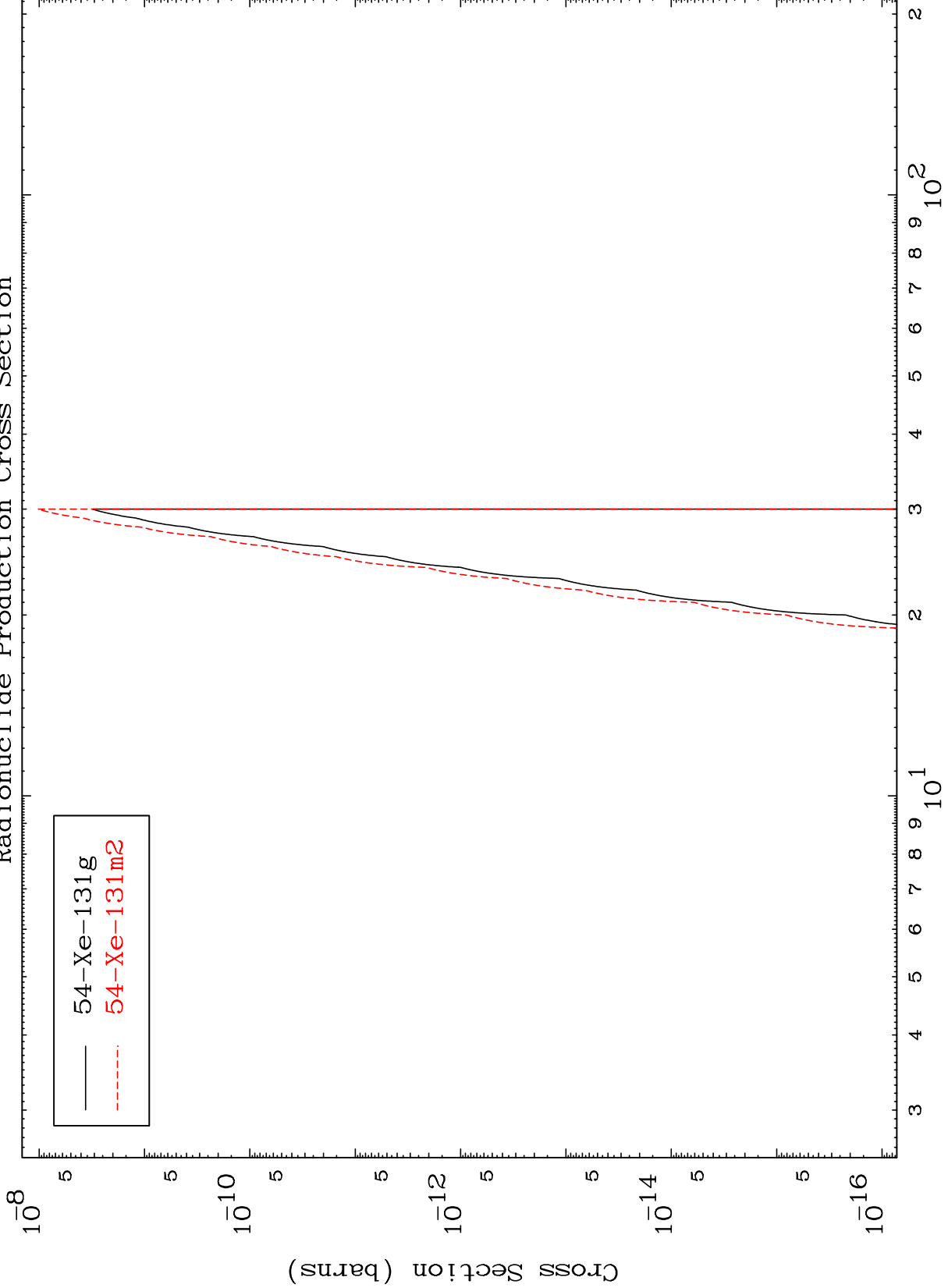


MAT 5835

(n,n') 2α

58-Ce-139

Radionuclide Production Cross Section



54-Xe-131g  
54-Xe-131m2

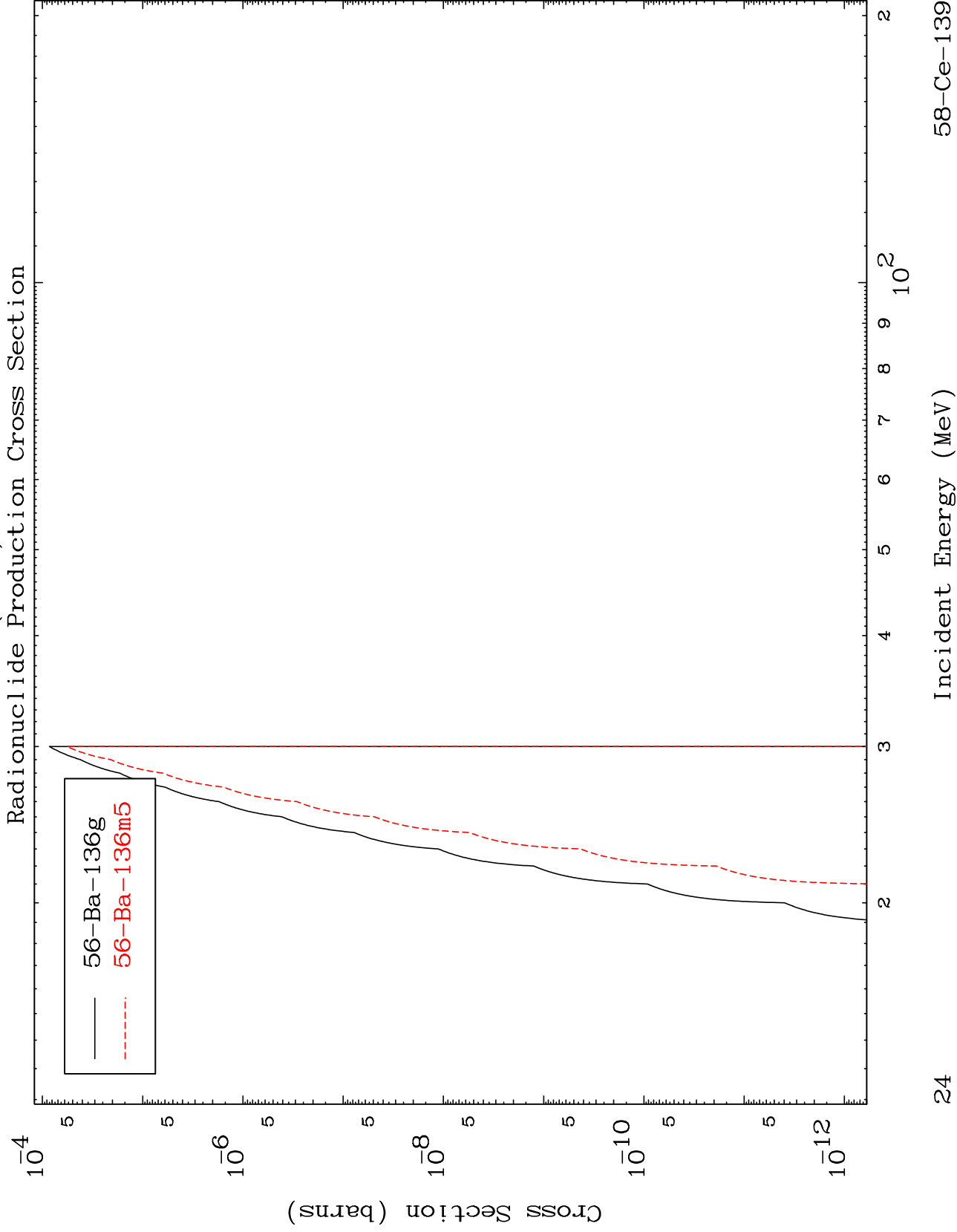


MAT 5835

(n,n') He-3

58-Ce-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

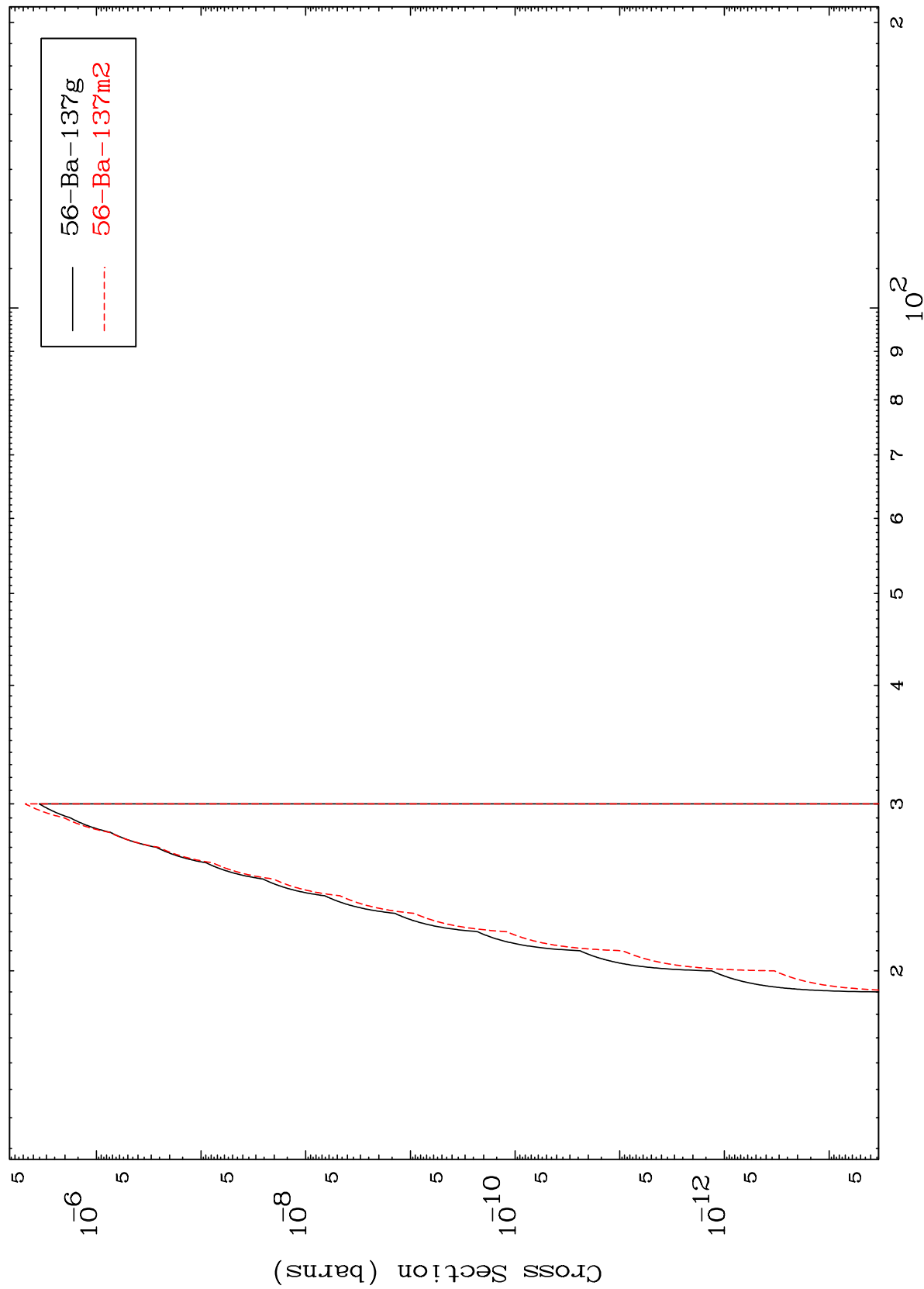
58-Ce-139

MAT 5835

(n,2n) p

58-Ce-139

Radionuclide Production Cross Section



25

Incident Energy (MeV)

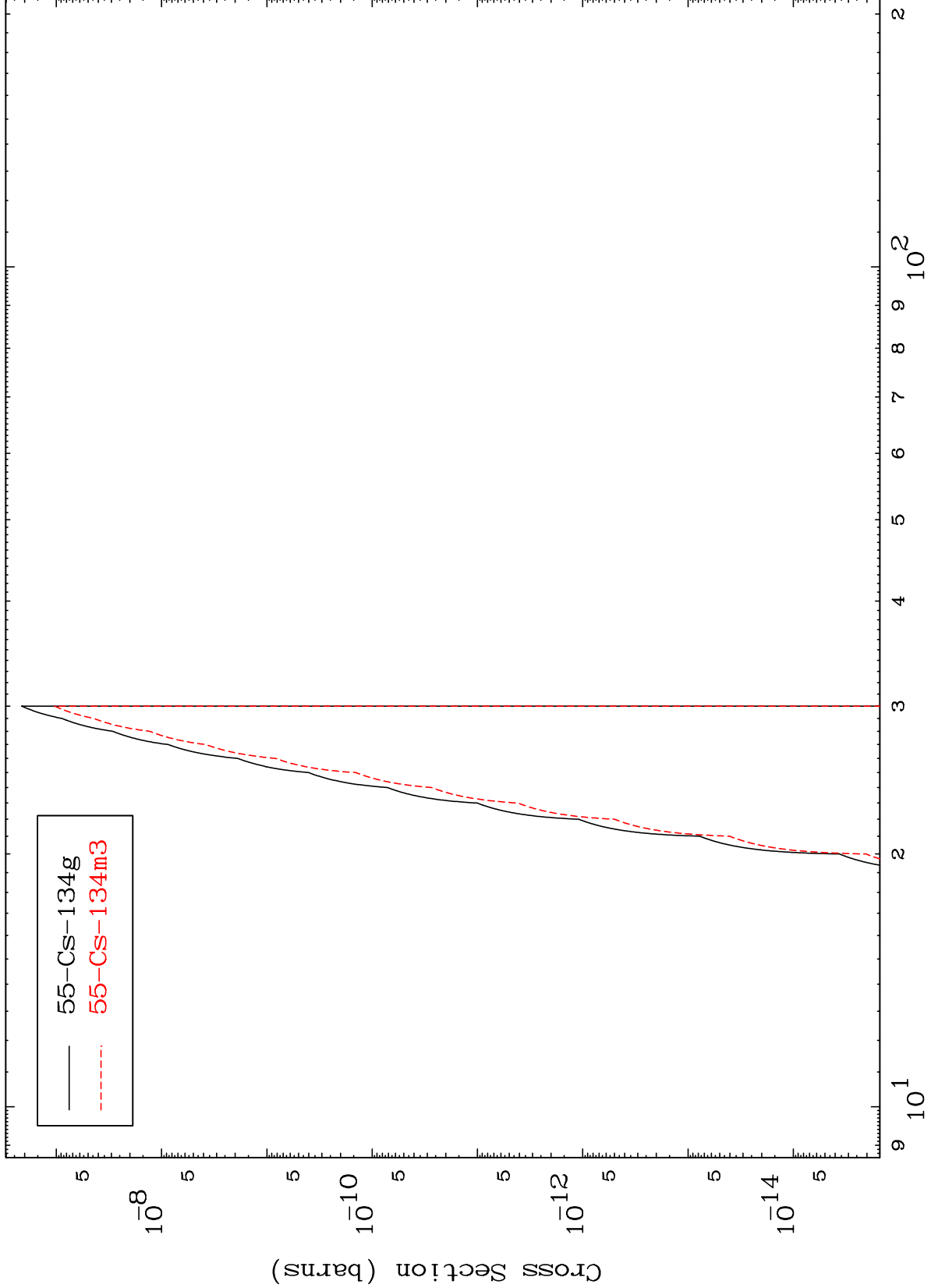
58-Ce-139

MAT 5835

(n,n') p  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



26

Incident Energy (MeV)

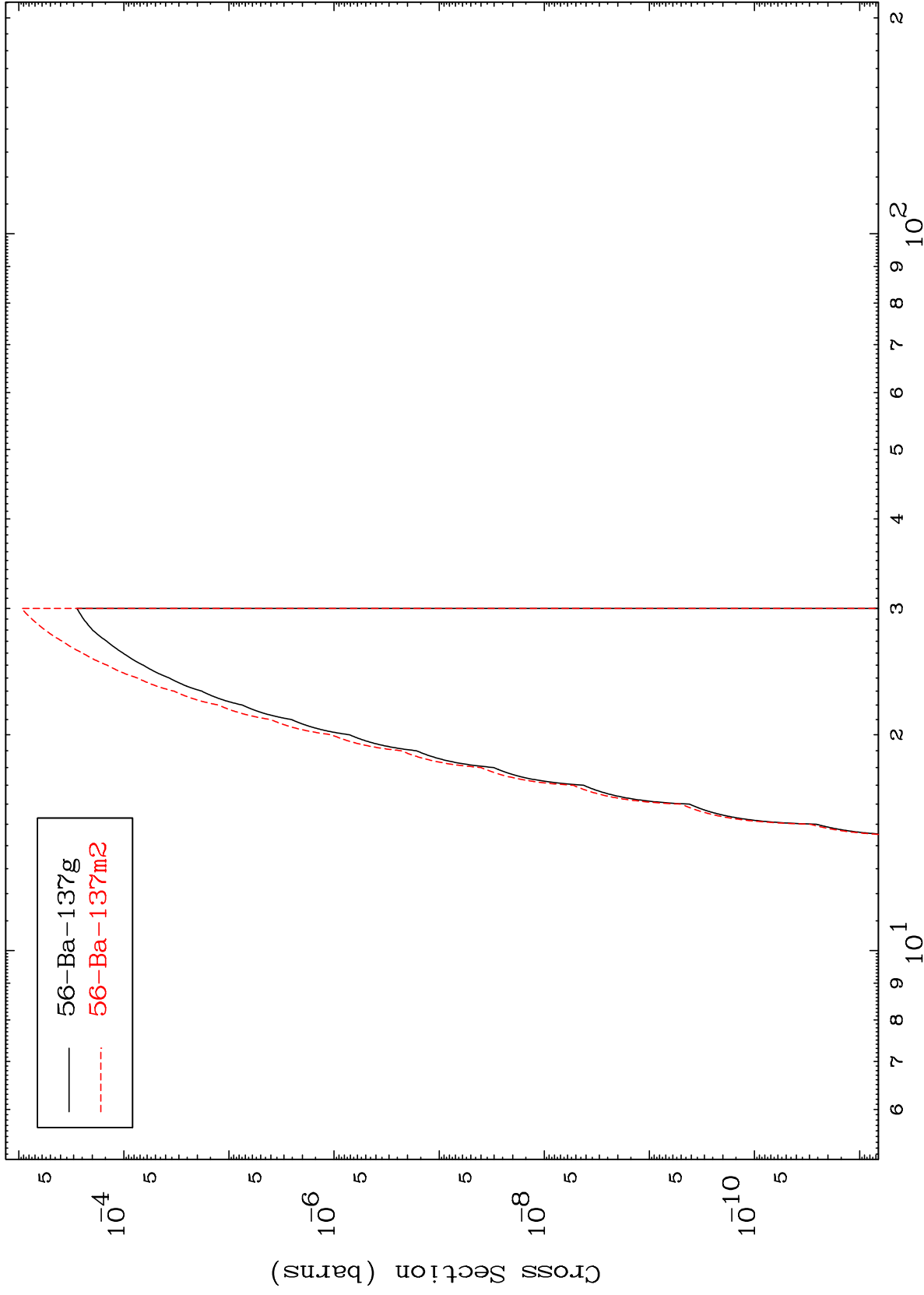
58-Ce-139

MAT 5835

(n,He-3)

58-Ce-139

Radionuclide Production Cross Section



27

Incident Energy (MeV)

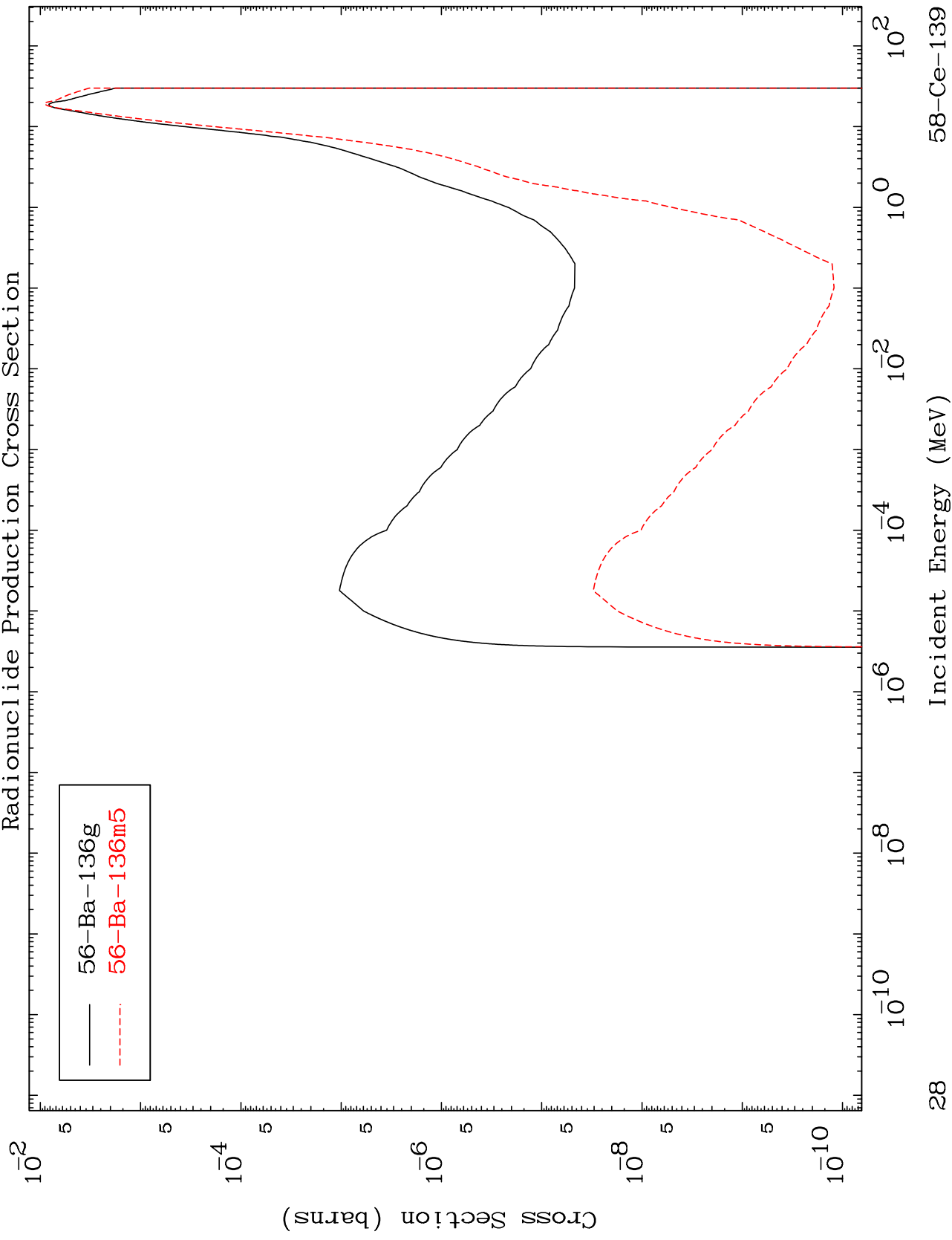
58-Ce-139

MAT 5835

(n,  $\alpha$ )

58-Ce-139

Radionuclide Production Cross Section

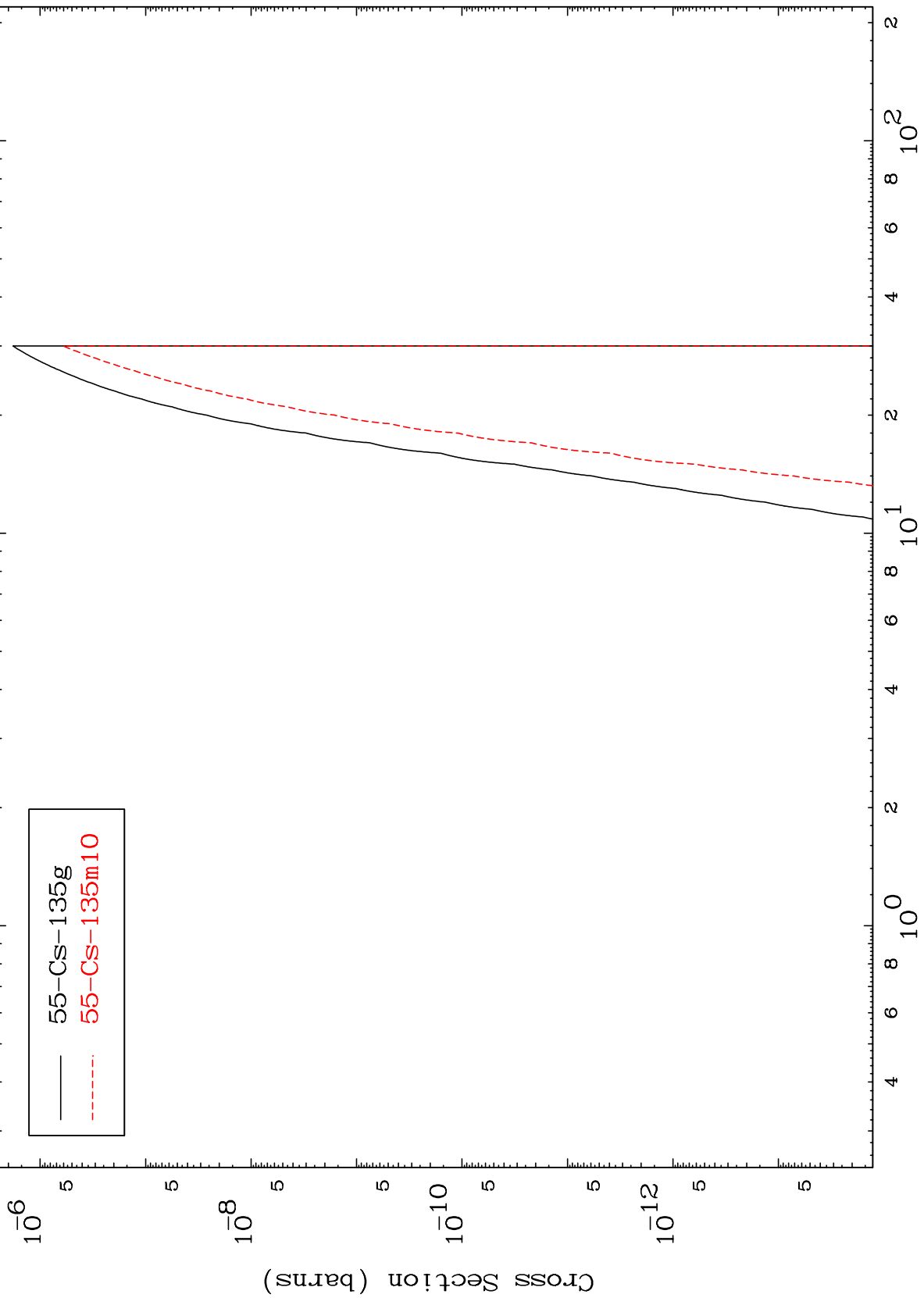


MAT 5835

(n,p)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



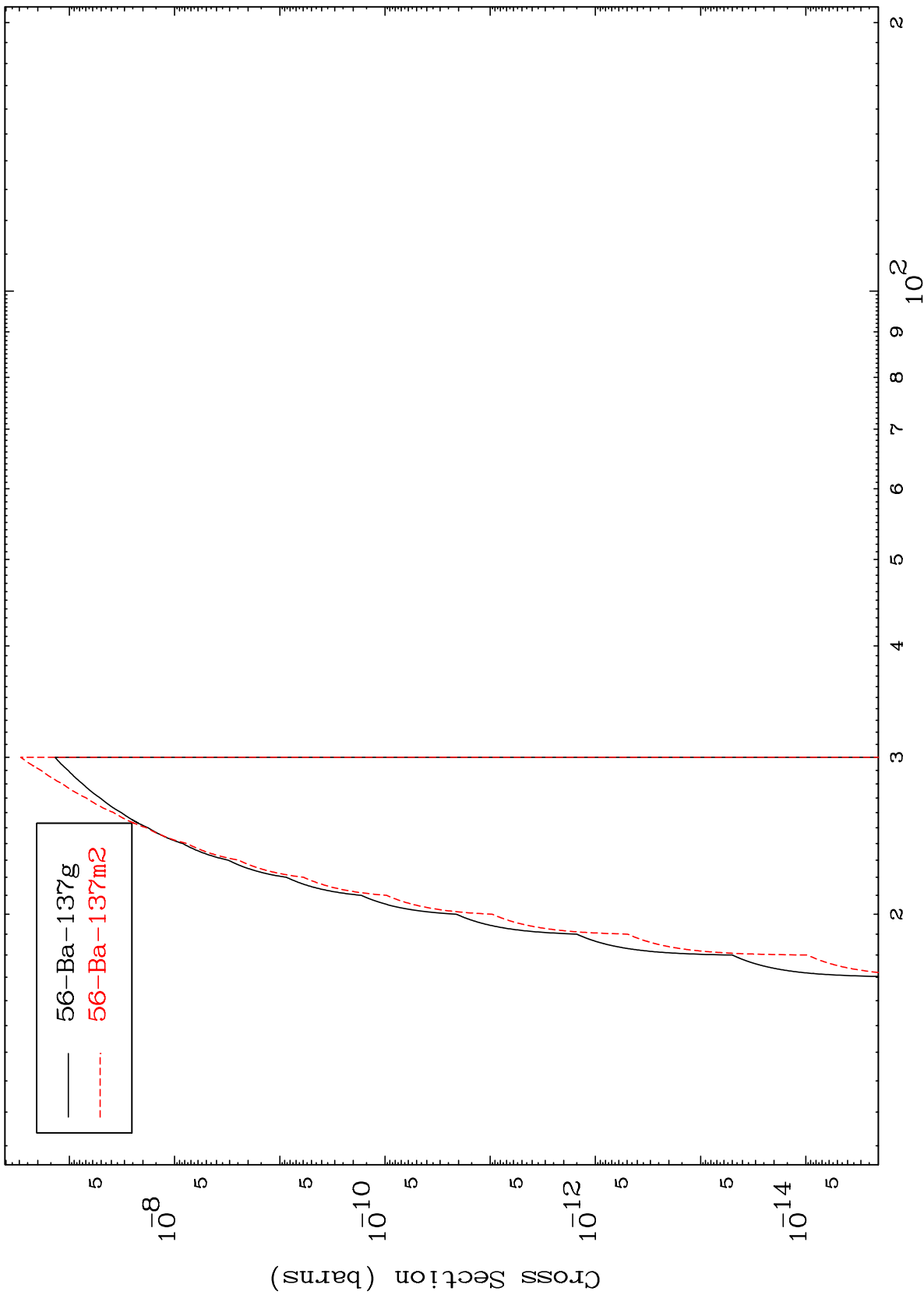
55-Cs-135g  
55-Cs-135m10

MAT 5835

(n,p) d

58-Ce-139

Radionuclide Production Cross Section



30

Incident Energy (MeV)

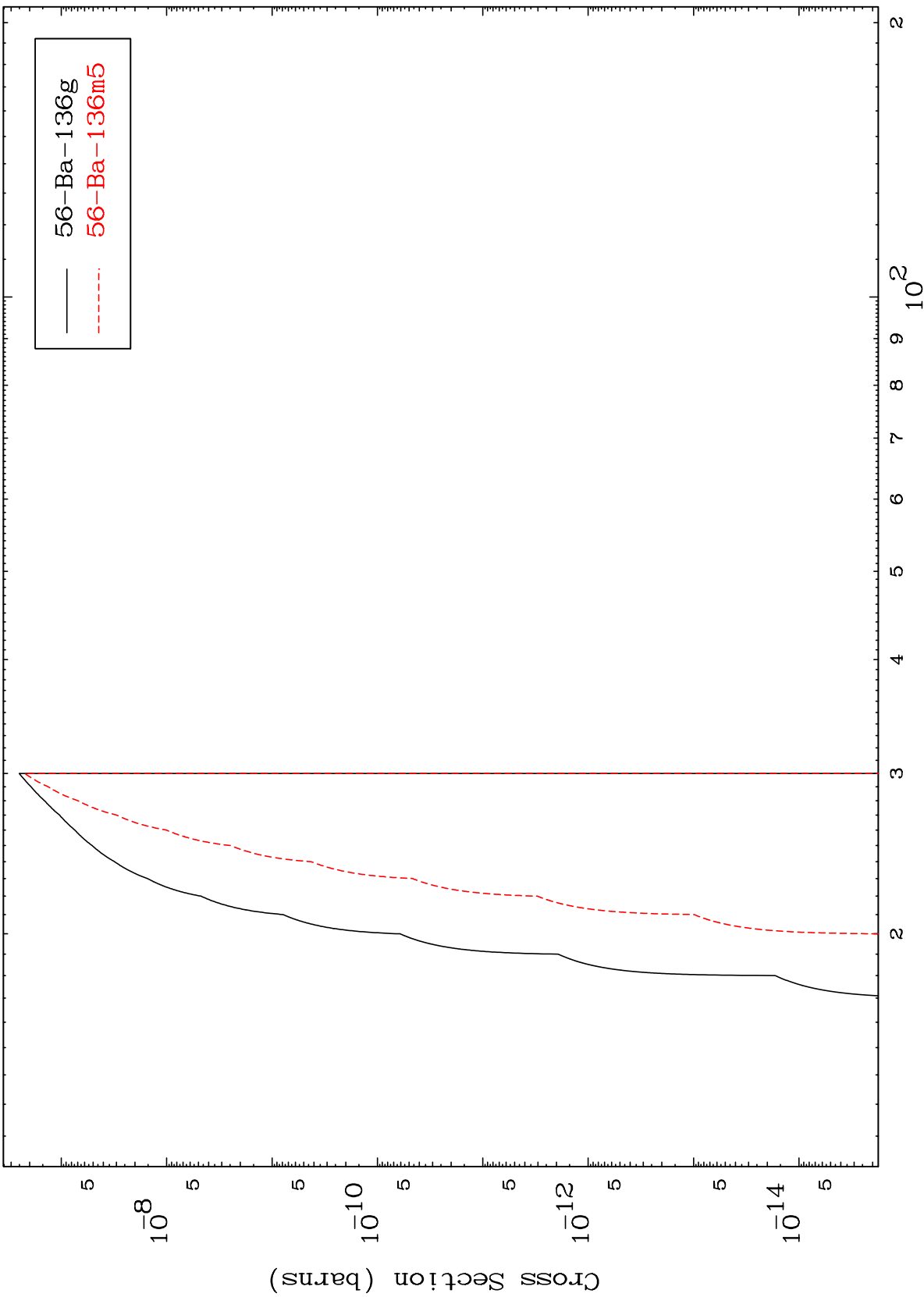
58-Ce-139

MAT 5835

(n,p) t

58-Ce-139

Radionuclide Production Cross Section



56-Ba-136g  
56-Ba-136m5

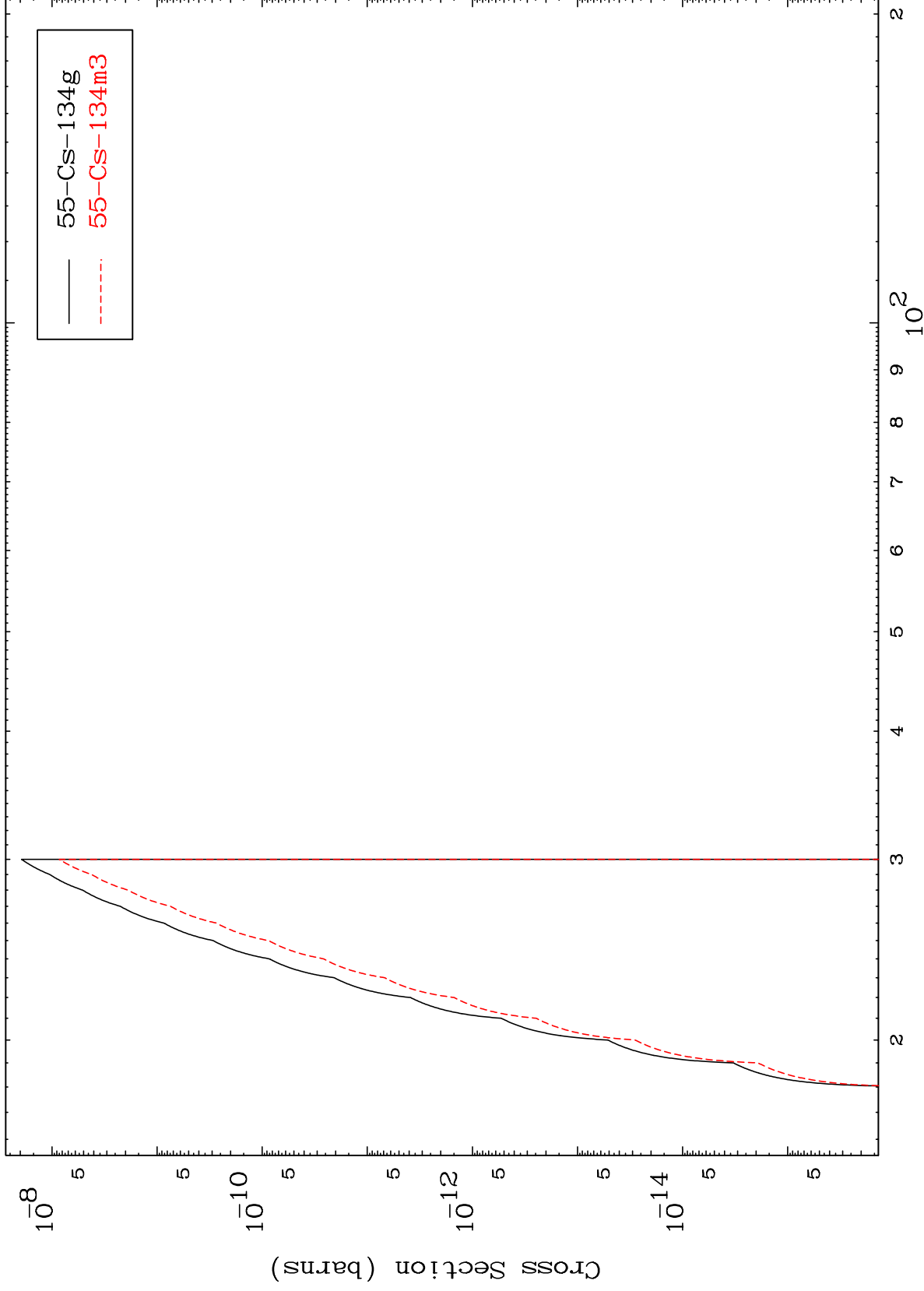


MAT 5835

(n,d)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



32

Incident Energy (MeV)

58-Ce-139