

Program EVALPLOT
(Version 2018-1)

by

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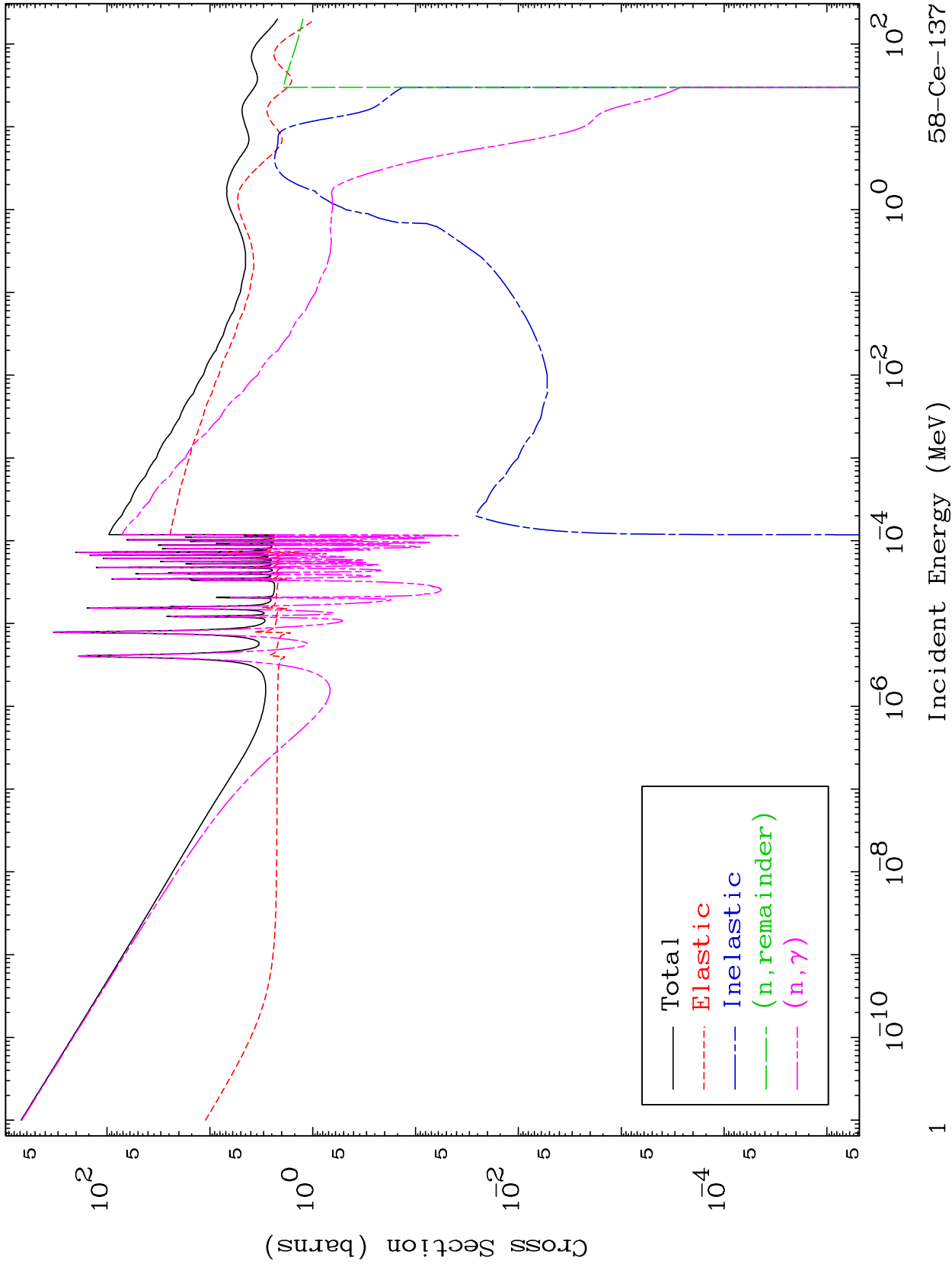
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5829

Major
293 Kelvin Cross Sections

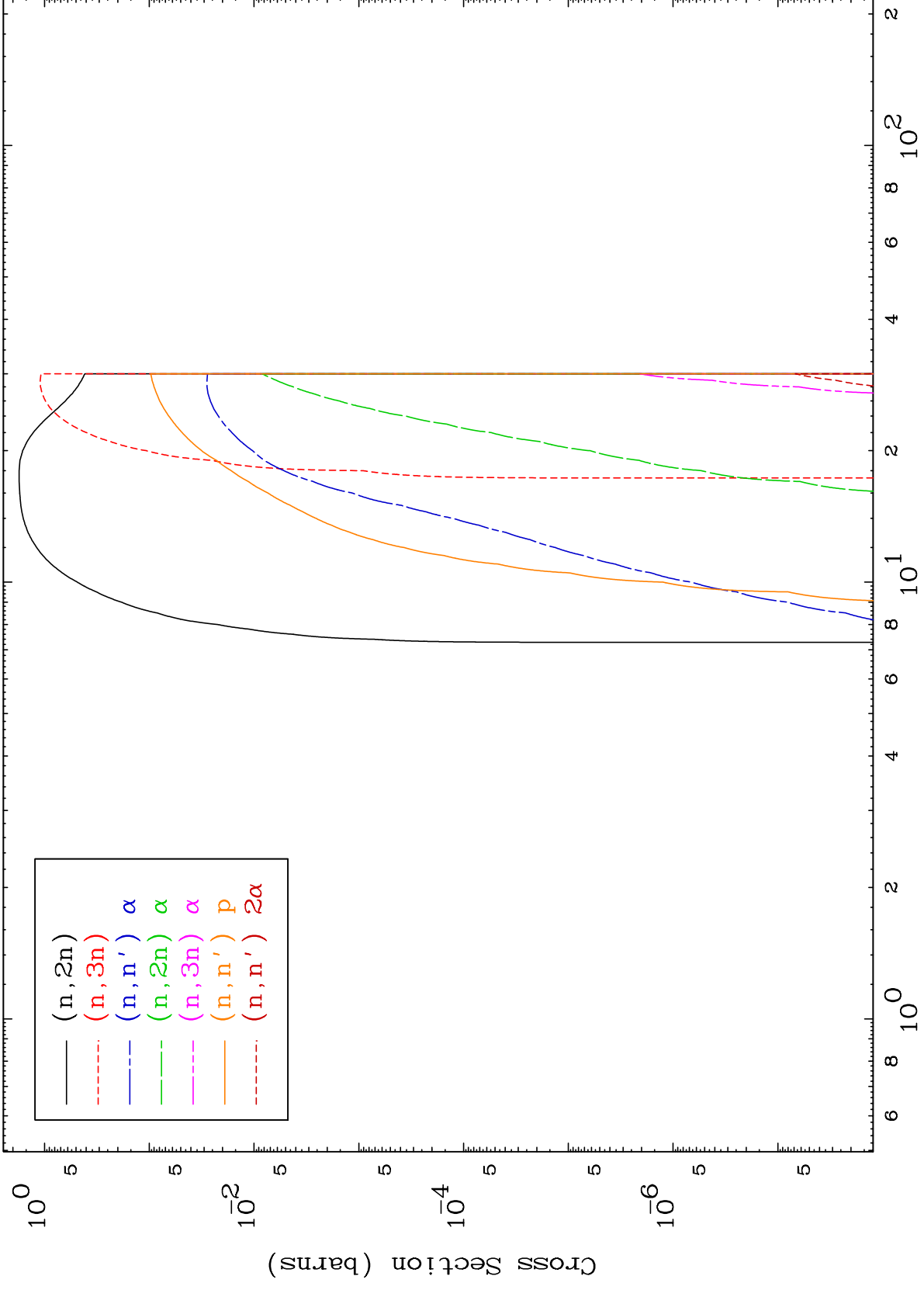
58-Ce-137

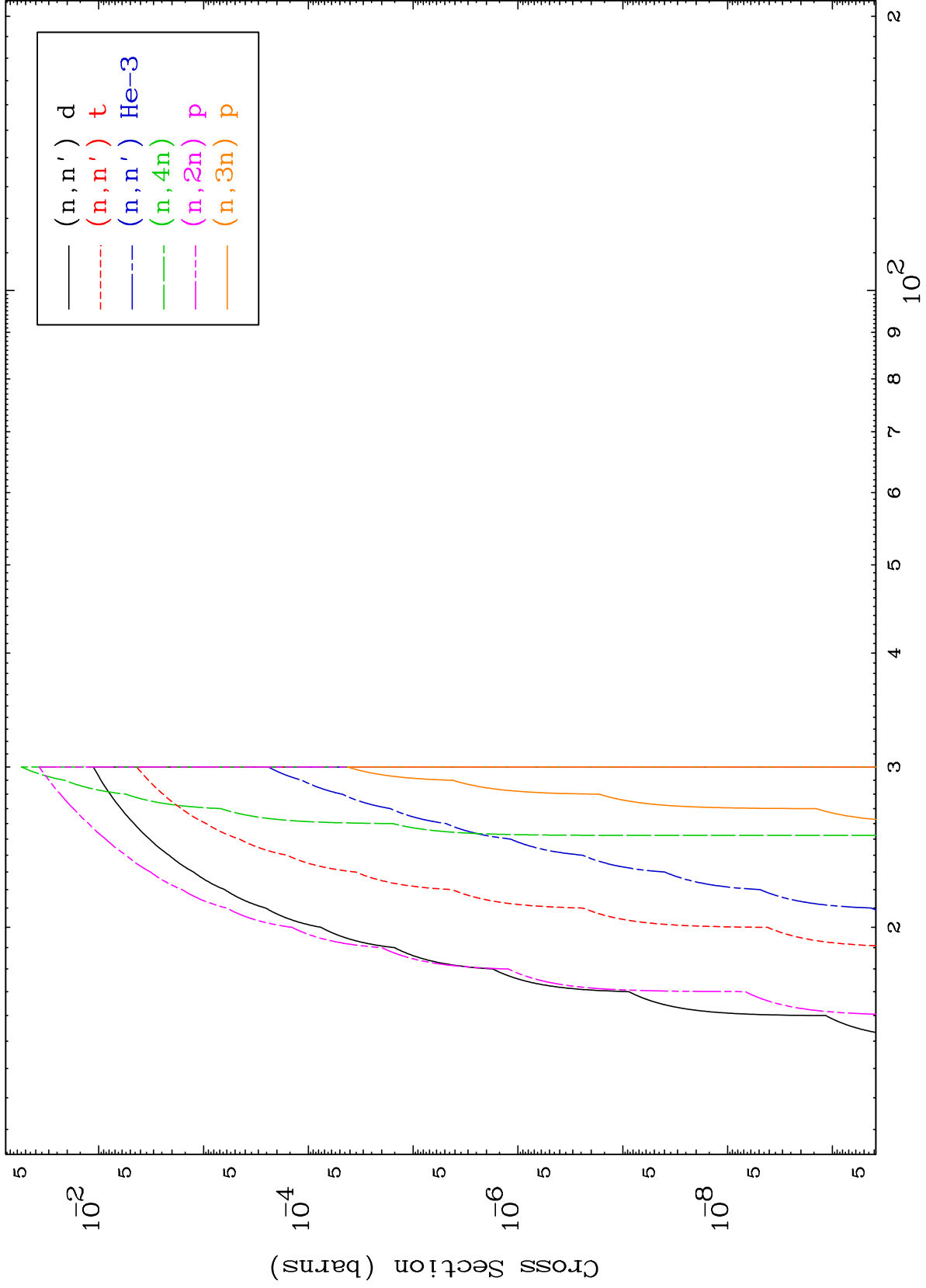


MAT 5829

Neutron Production
293 Kelvin Cross Sections

58-Ce-137

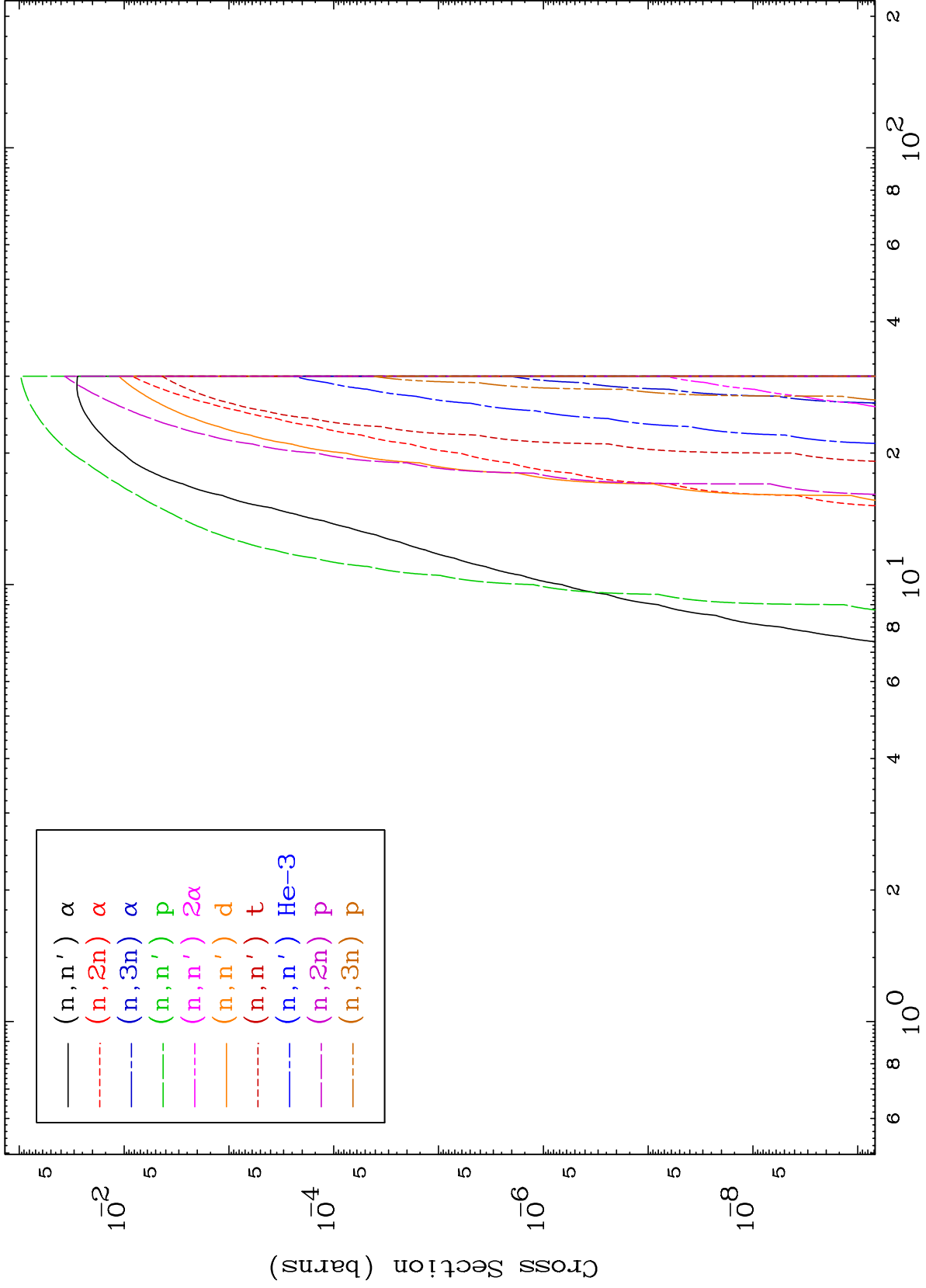




MAT 5829

Charged Particle
293 Kelvin Cross Sections

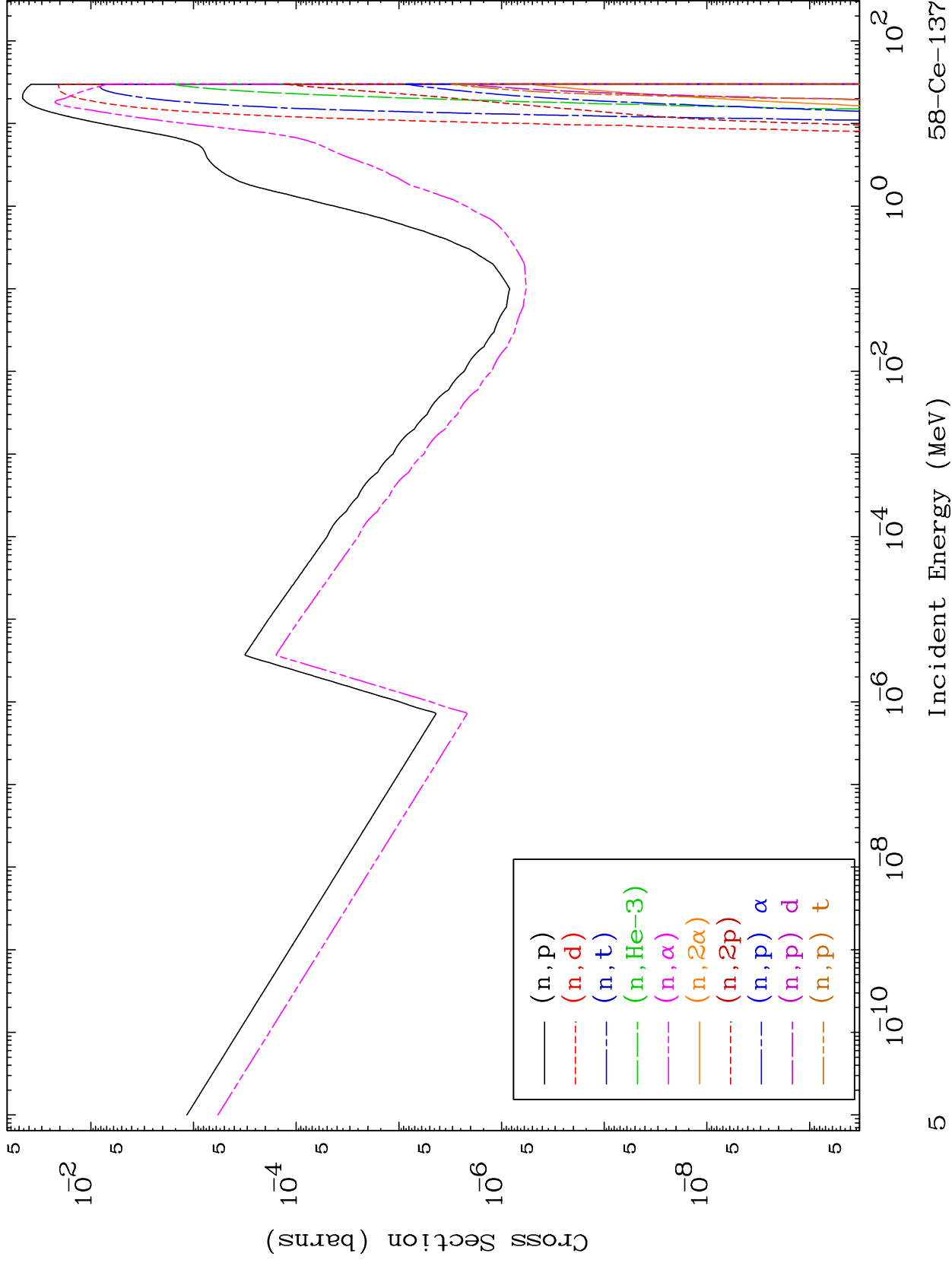
58-Ce-137



MAT 5829

Charged Particle
293 Kelvin Cross Sections

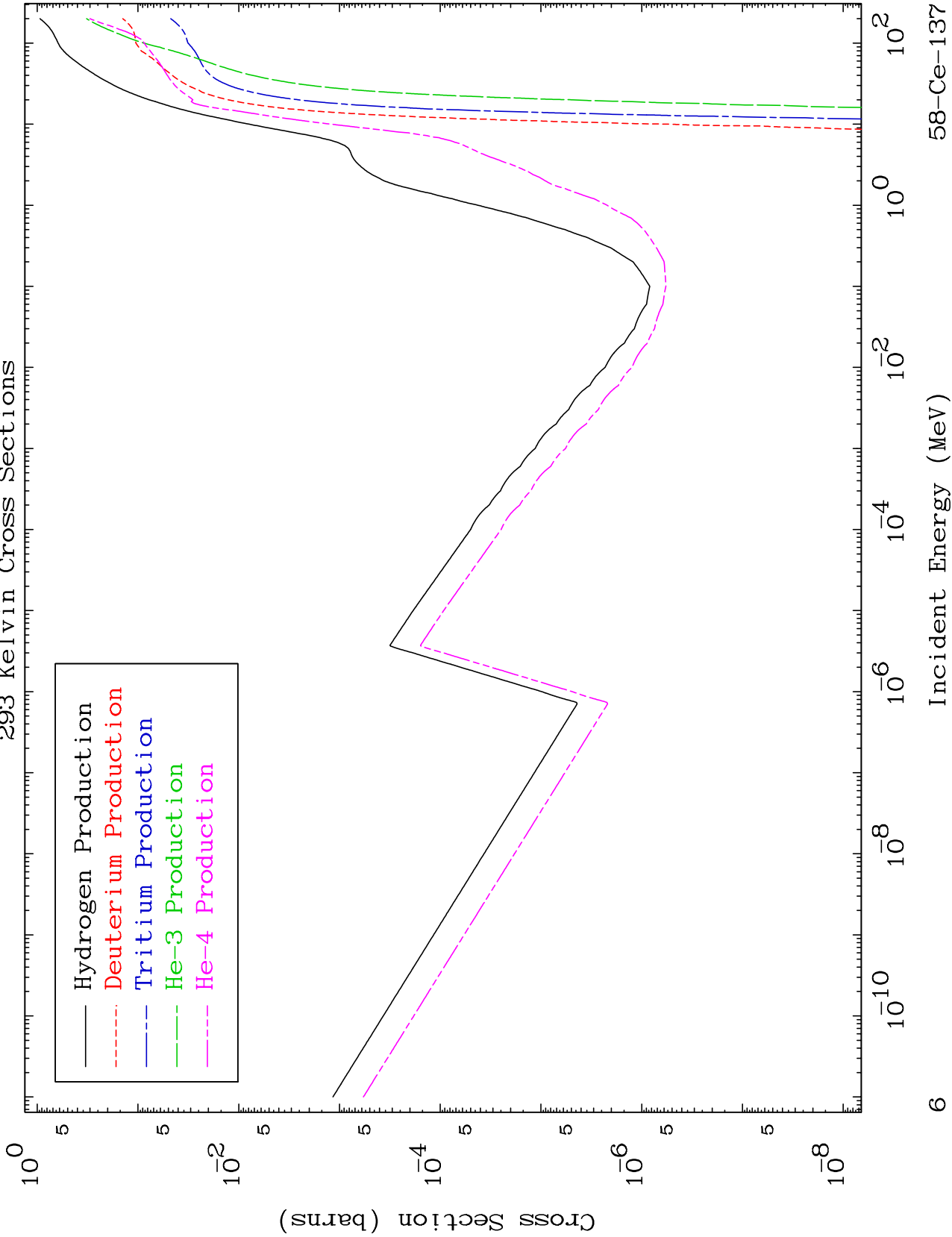
58-Ce-137



MAT 5829

Particle Production
293 Kelvin Cross Sections

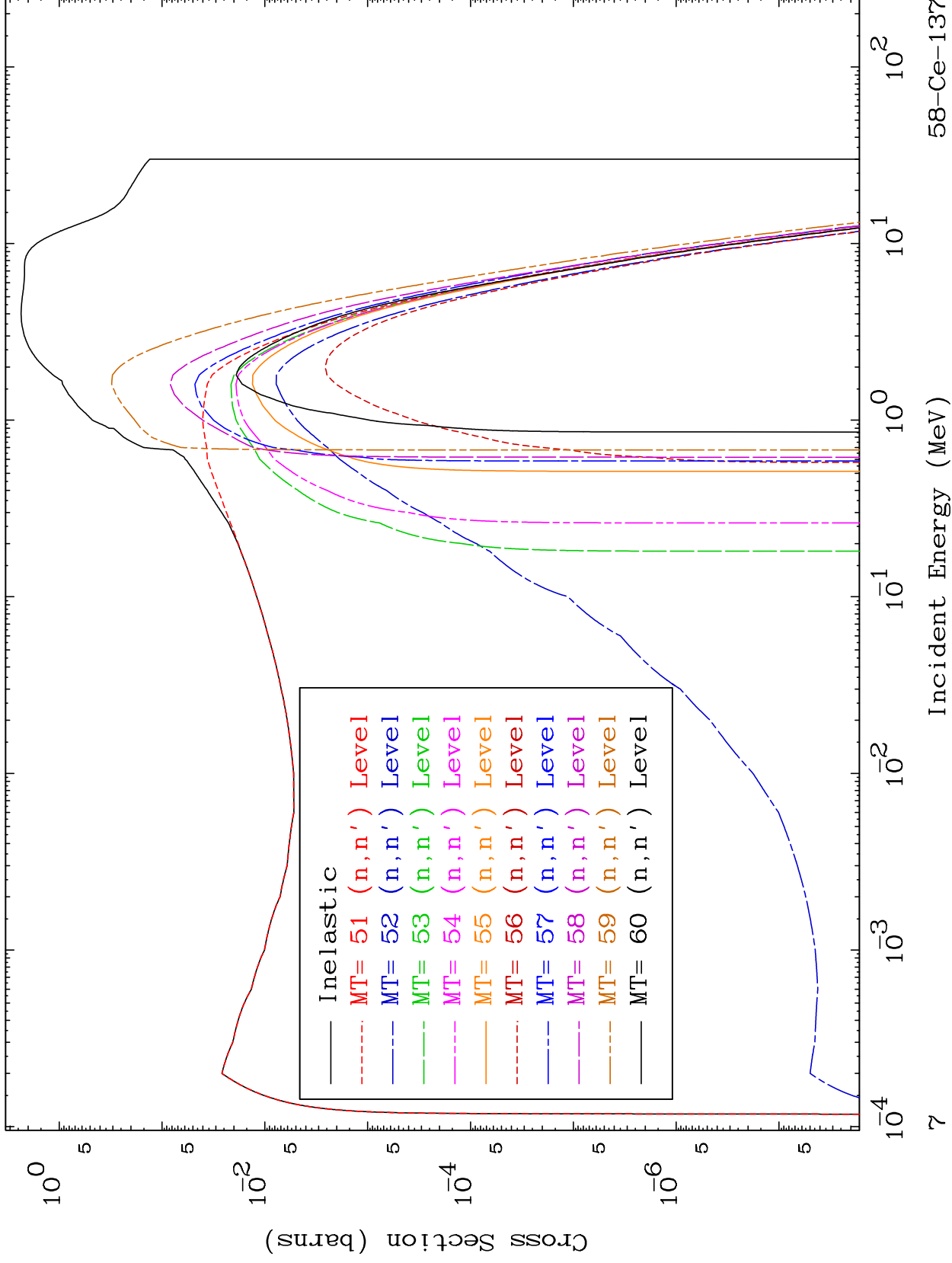
58-Ce-137



MAT 5829

293 Kelvin Cross Sections
(n,n') Level

58-Ce-137



58-Ce-137

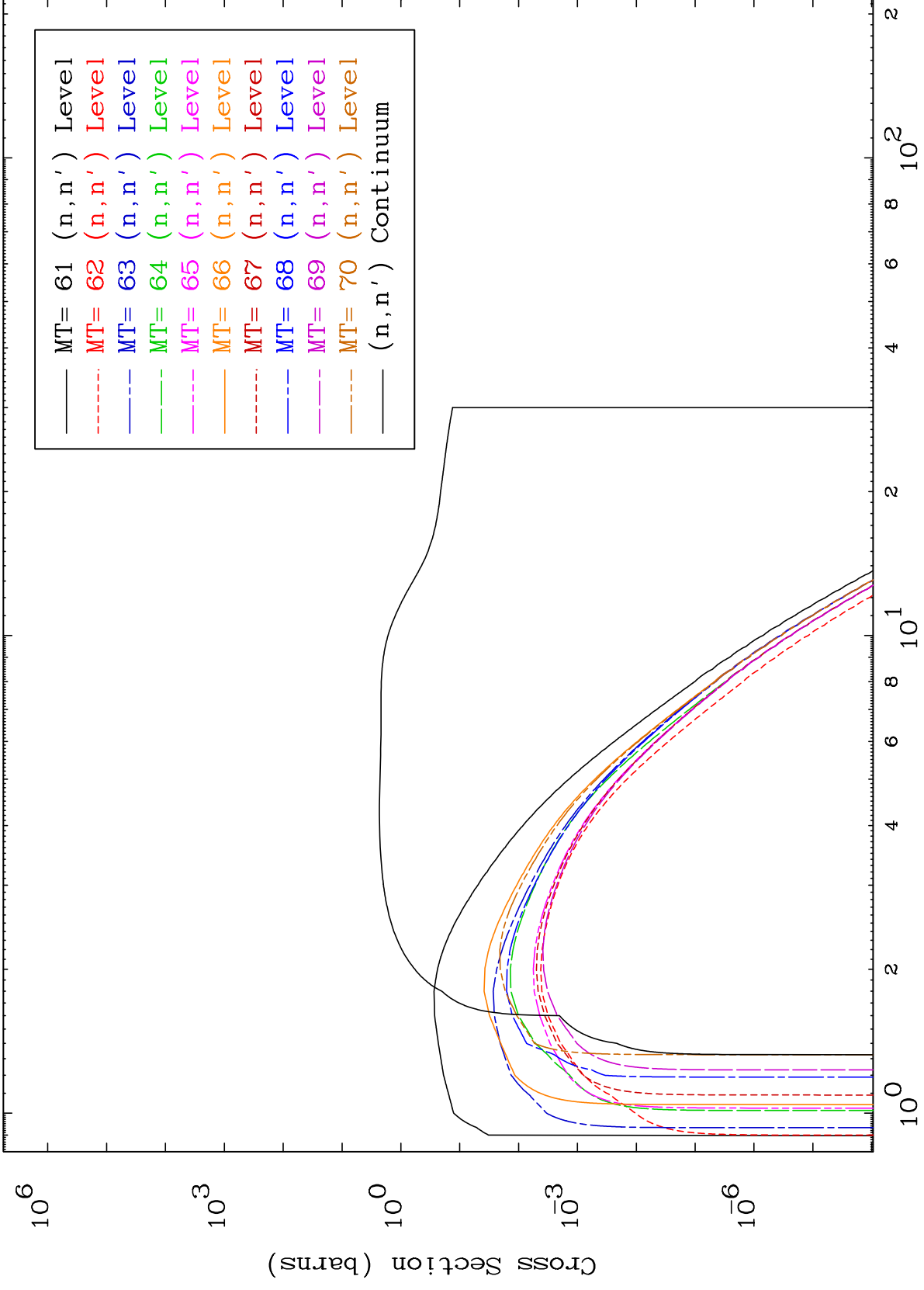
Incident Energy (MeV)

MAT 5829

(n,n') Level

58-Ce-137

293 Kelvin Cross Sections



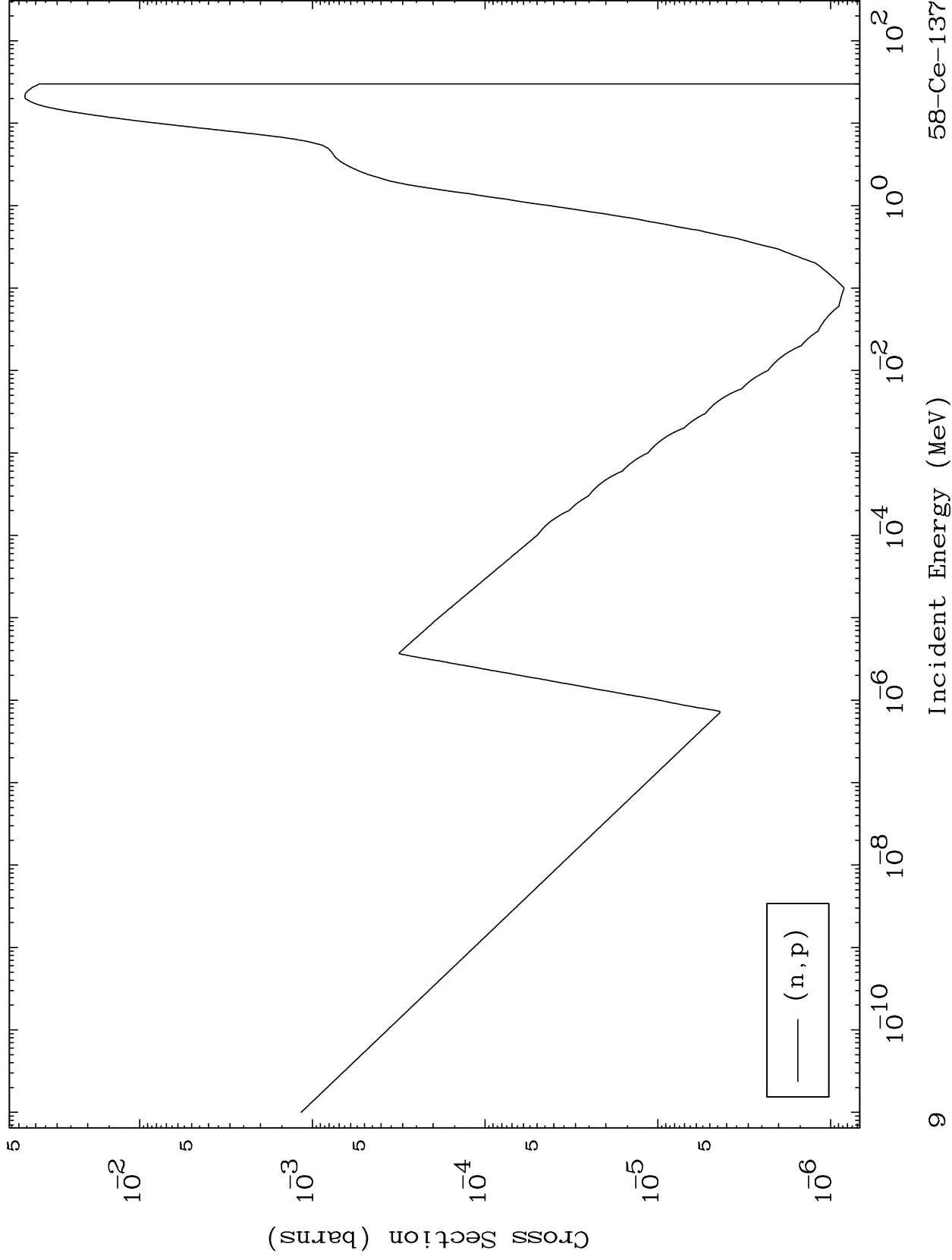
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,p) Levels
293 Kelvin Cross Sections

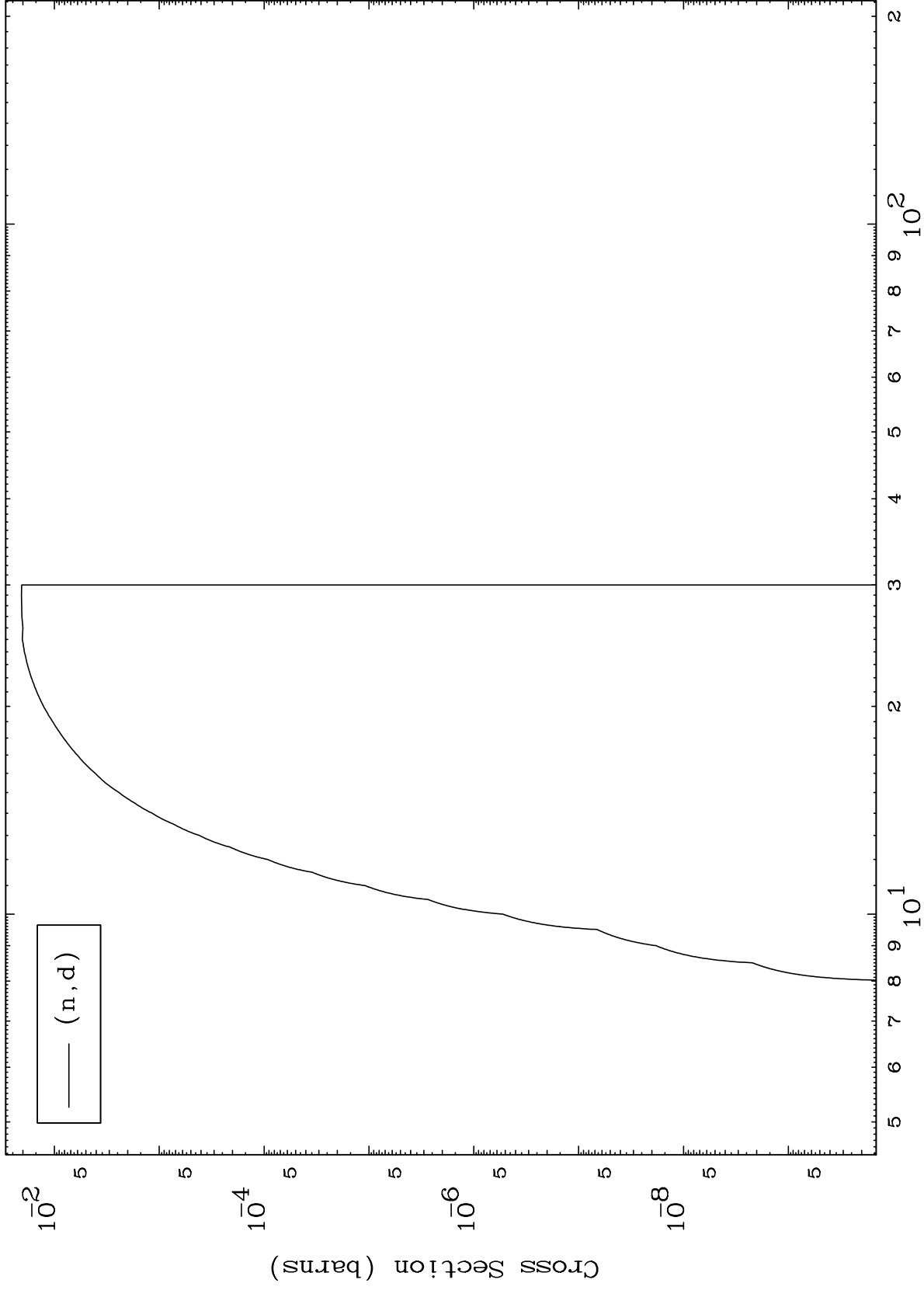
58-Ce-137



MAT 5829

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-137



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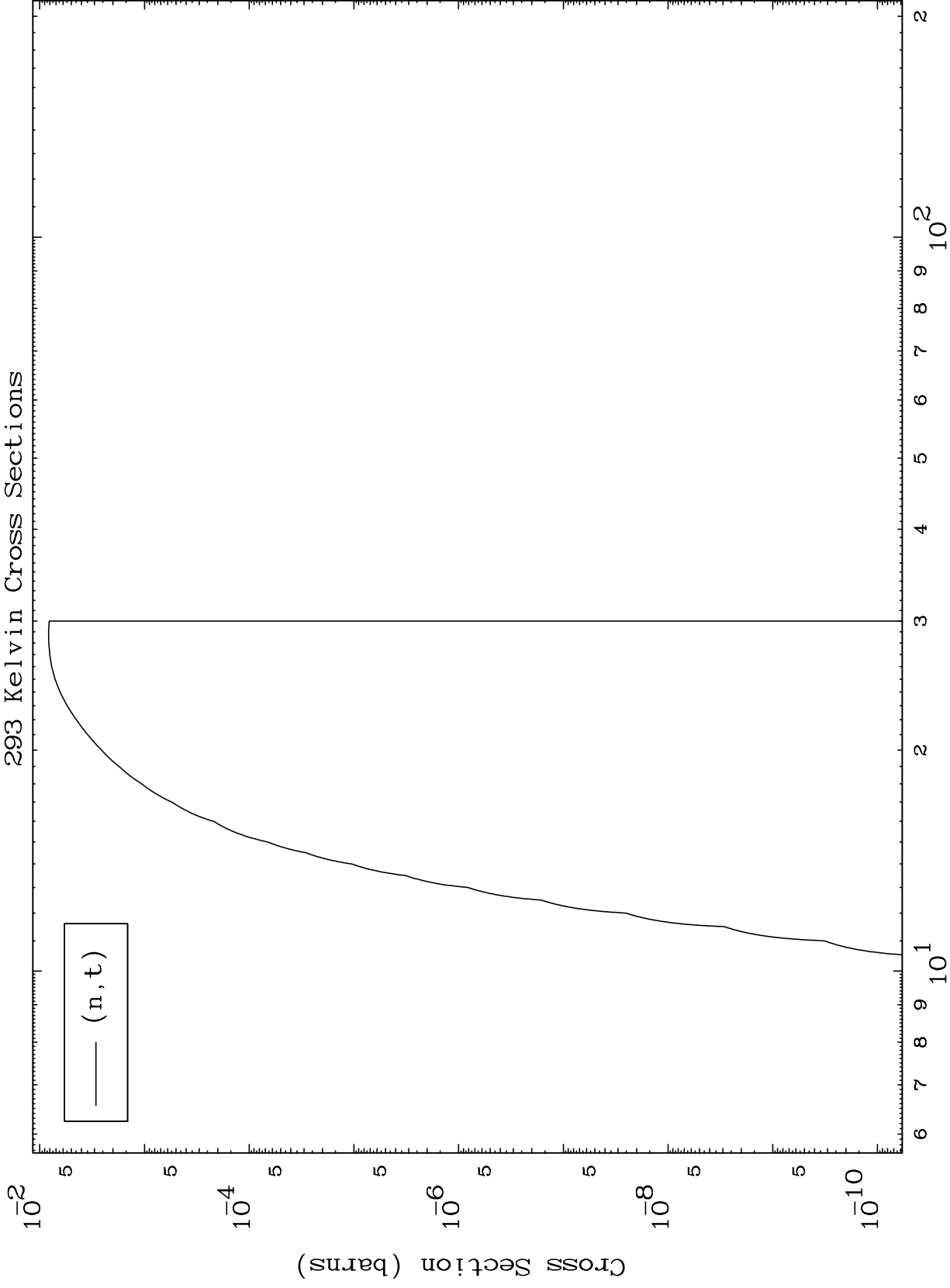
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-137



11

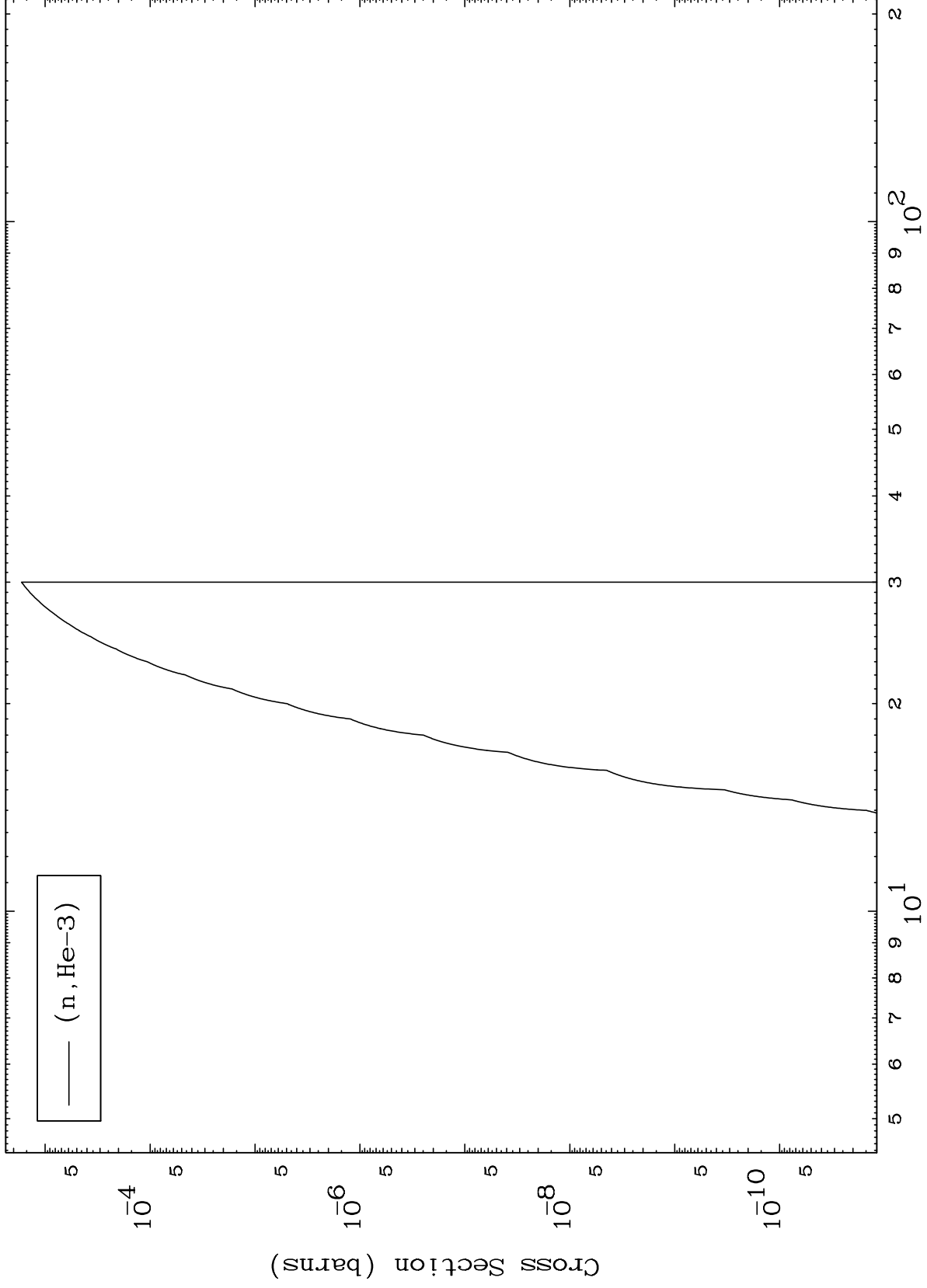
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-137



12

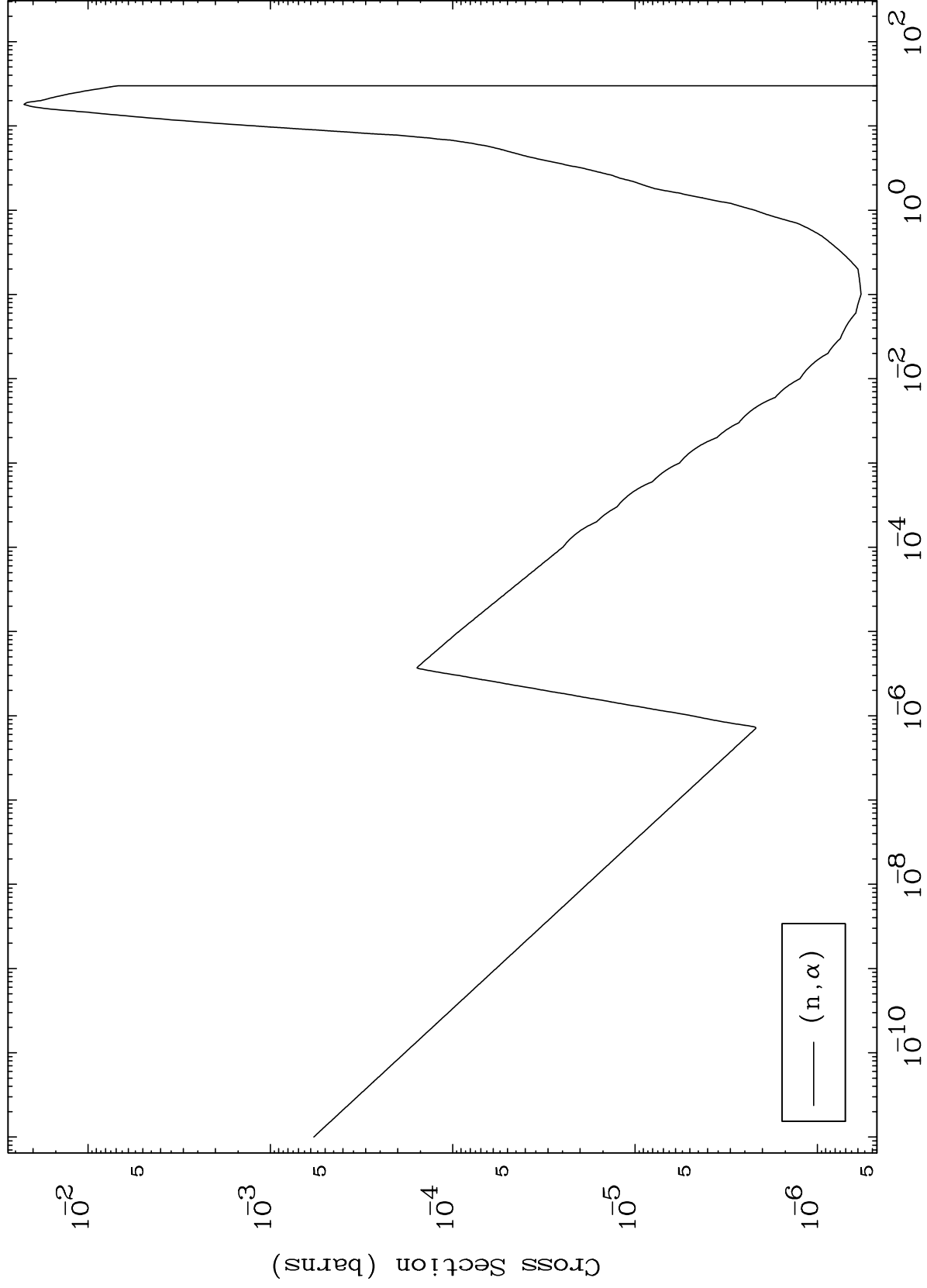
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,α) Levels
293 Kelvin Cross Sections

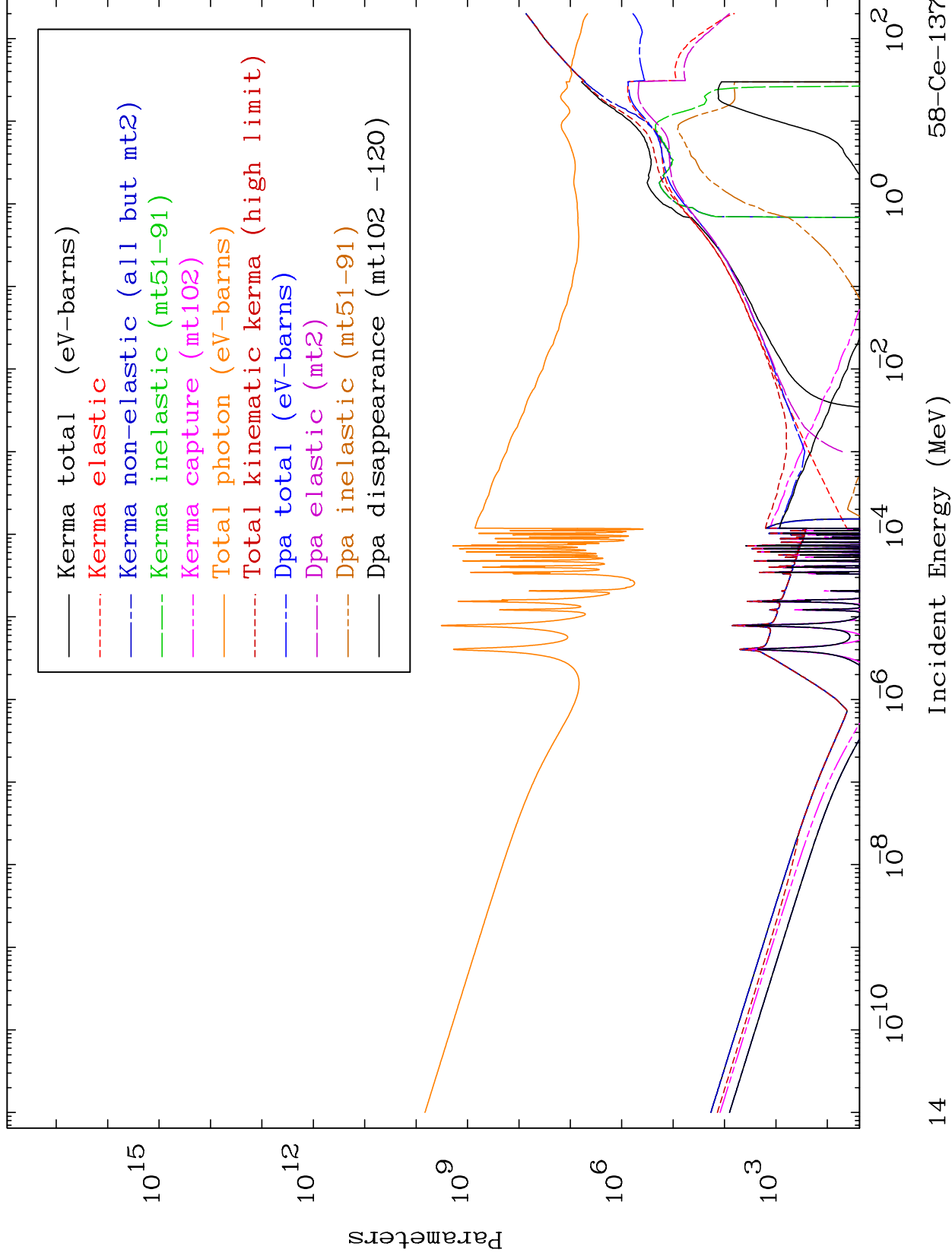
58-Ce-137



Incident Energy (MeV)

58-Ce-137

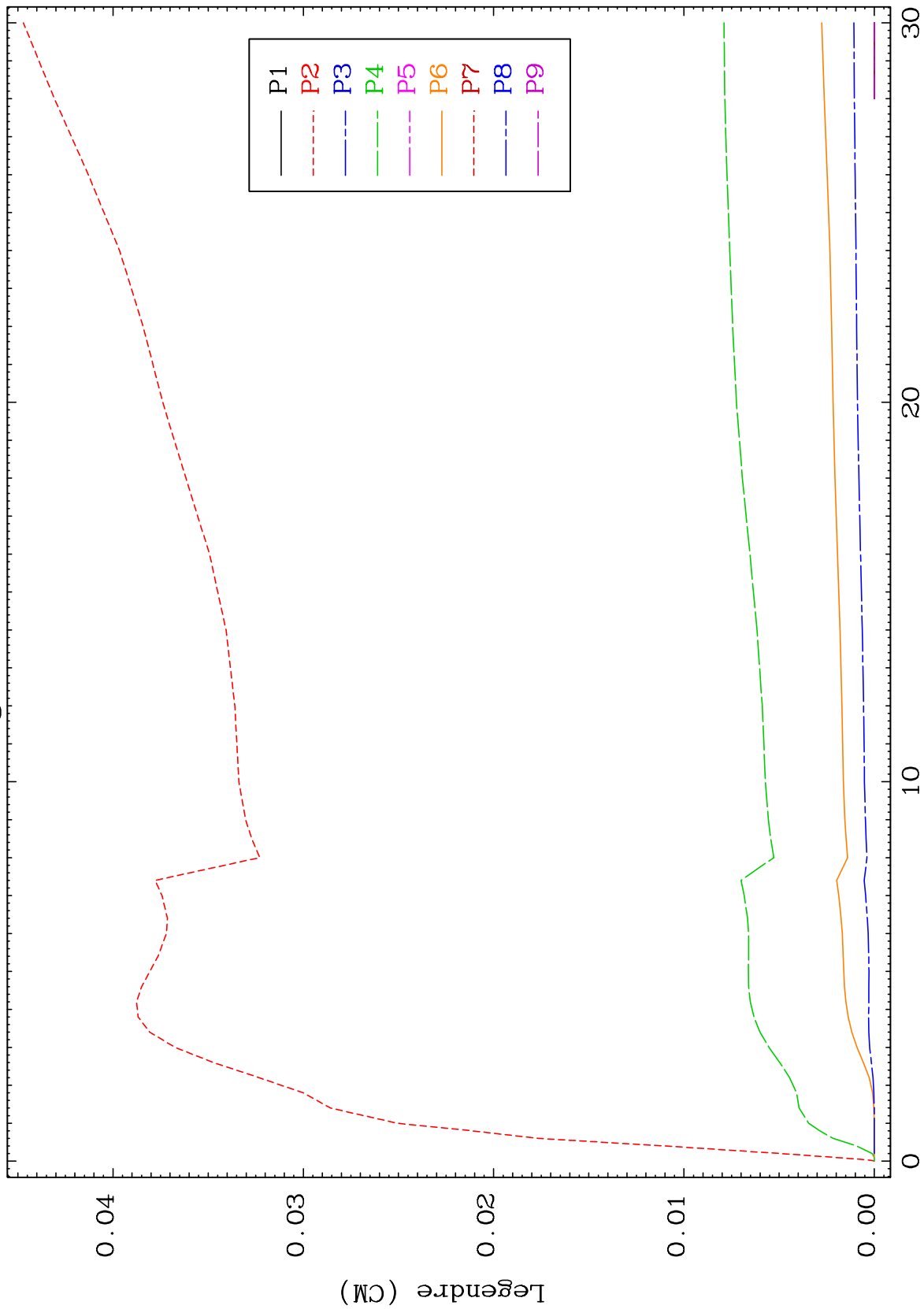
— (n,α)



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Elastic Legendre Coefficients

58-Ce-137



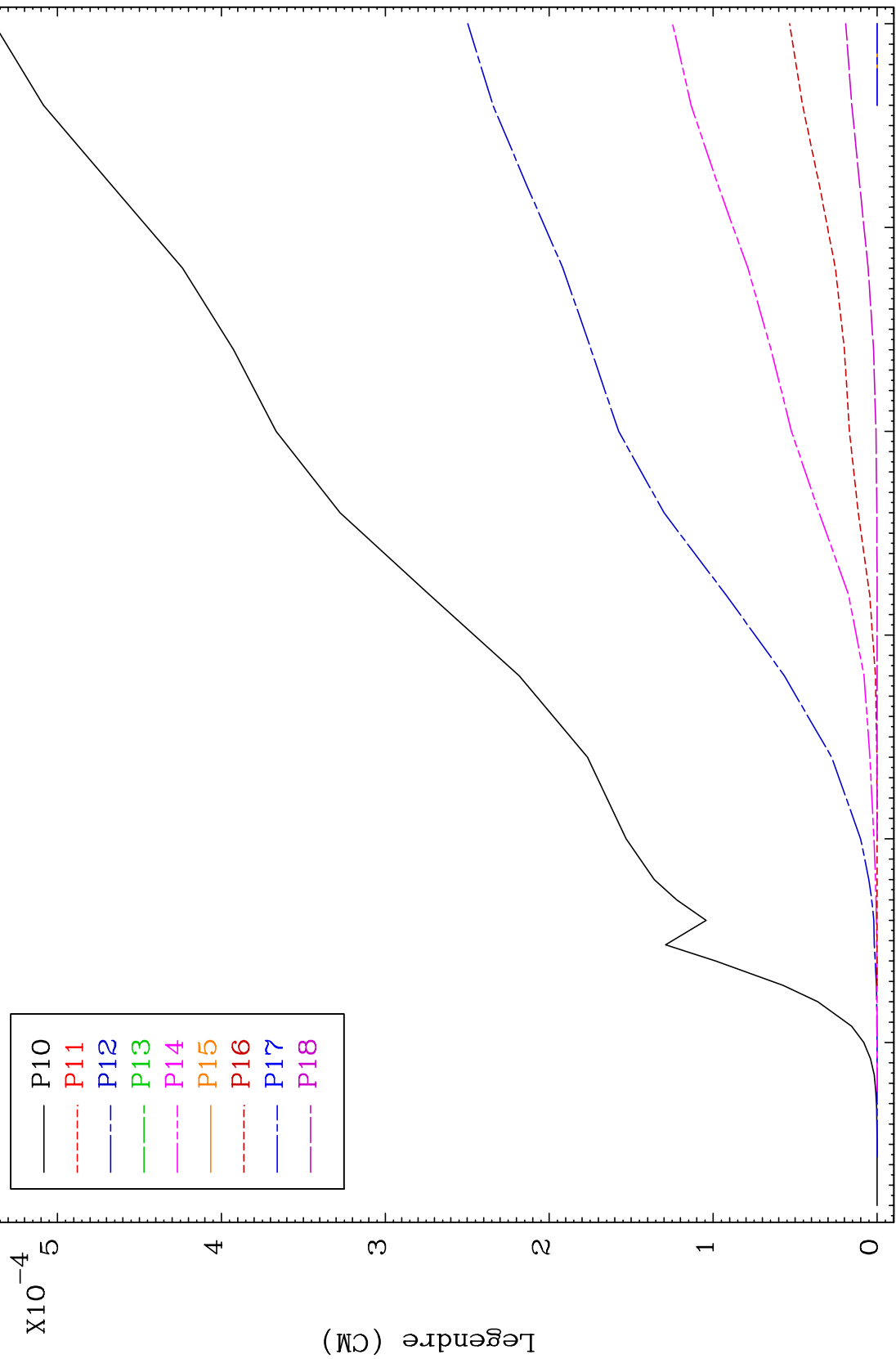
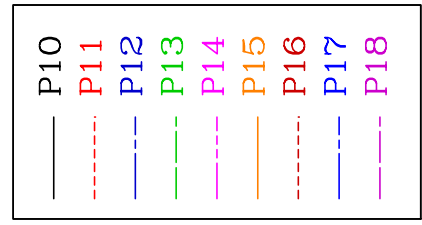
Incident Energy (MeV)

58-Ce-137

MAT 5829

Elastic Legendre Coefficients

58-Ce-137



16

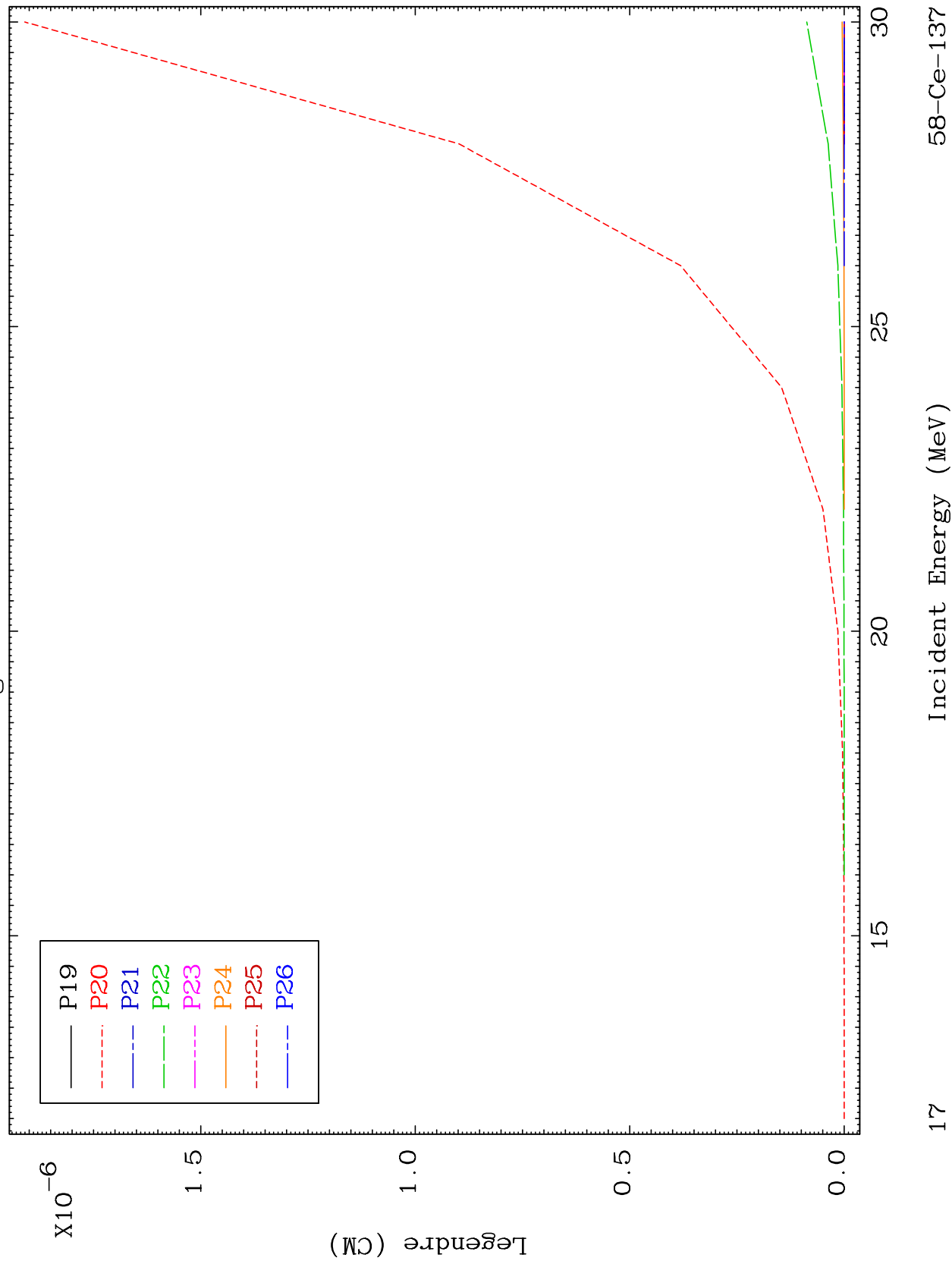
Incident Energy (MeV)

58-Ce-137

MAT 5829

Elastic Legendre Coefficients

58-Ce-137



17

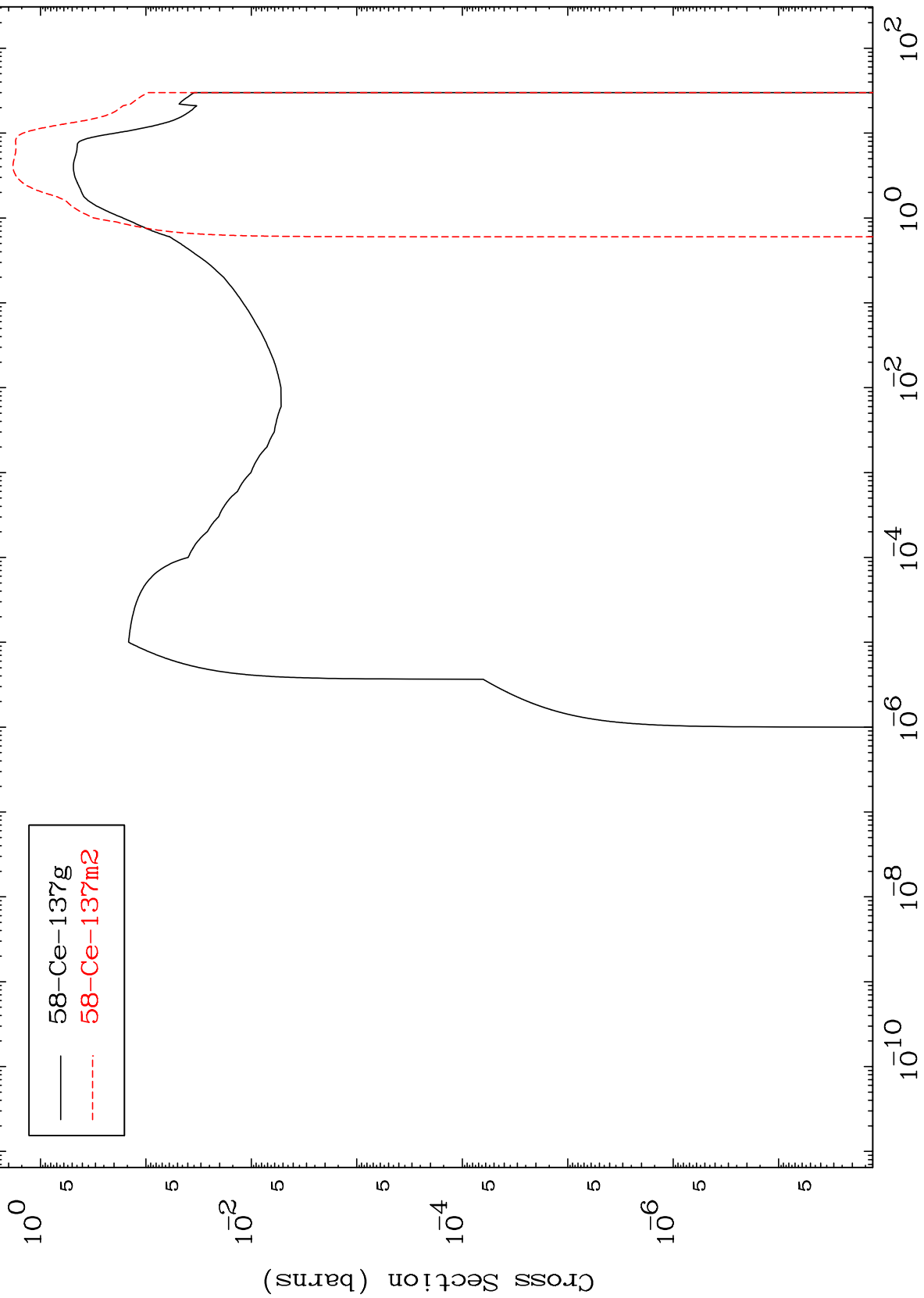
Incident Energy (MeV)

58-Ce-137

MAT 5829

58-Ce-137

Inelastic
Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

58-Ce-137

Incident Energy (MeV)

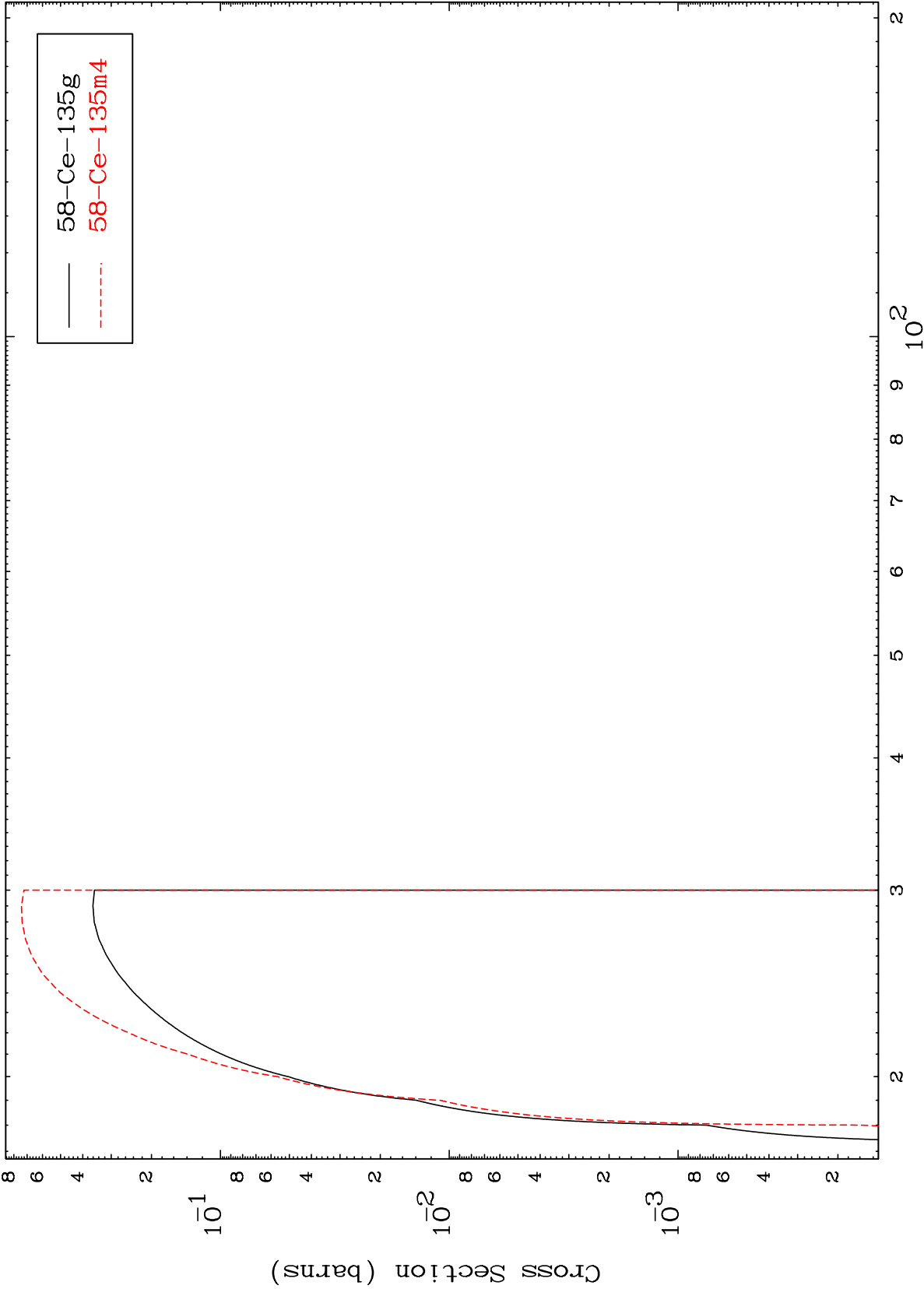
18

MAT 5829

(n,3n)

58-Ce-137

Radionuclide Production Cross Section



19

Incident Energy (MeV)

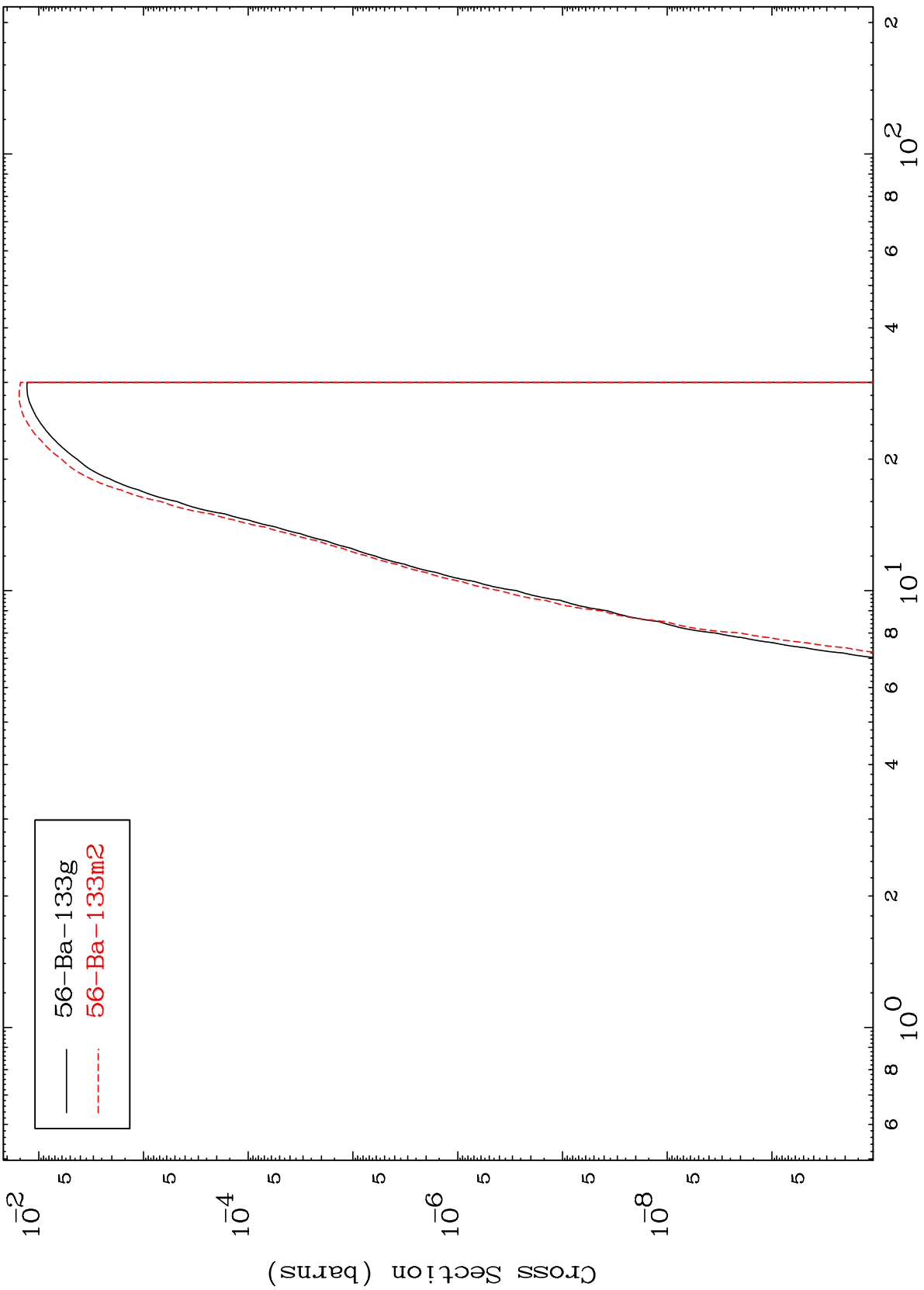
58-Ce-137

MAT 5829

(n,n') α

58-Ce-137

Radionuclide Production Cross Section



56-Ba-133g
56-Ba-133m2

20

Incident Energy (MeV)

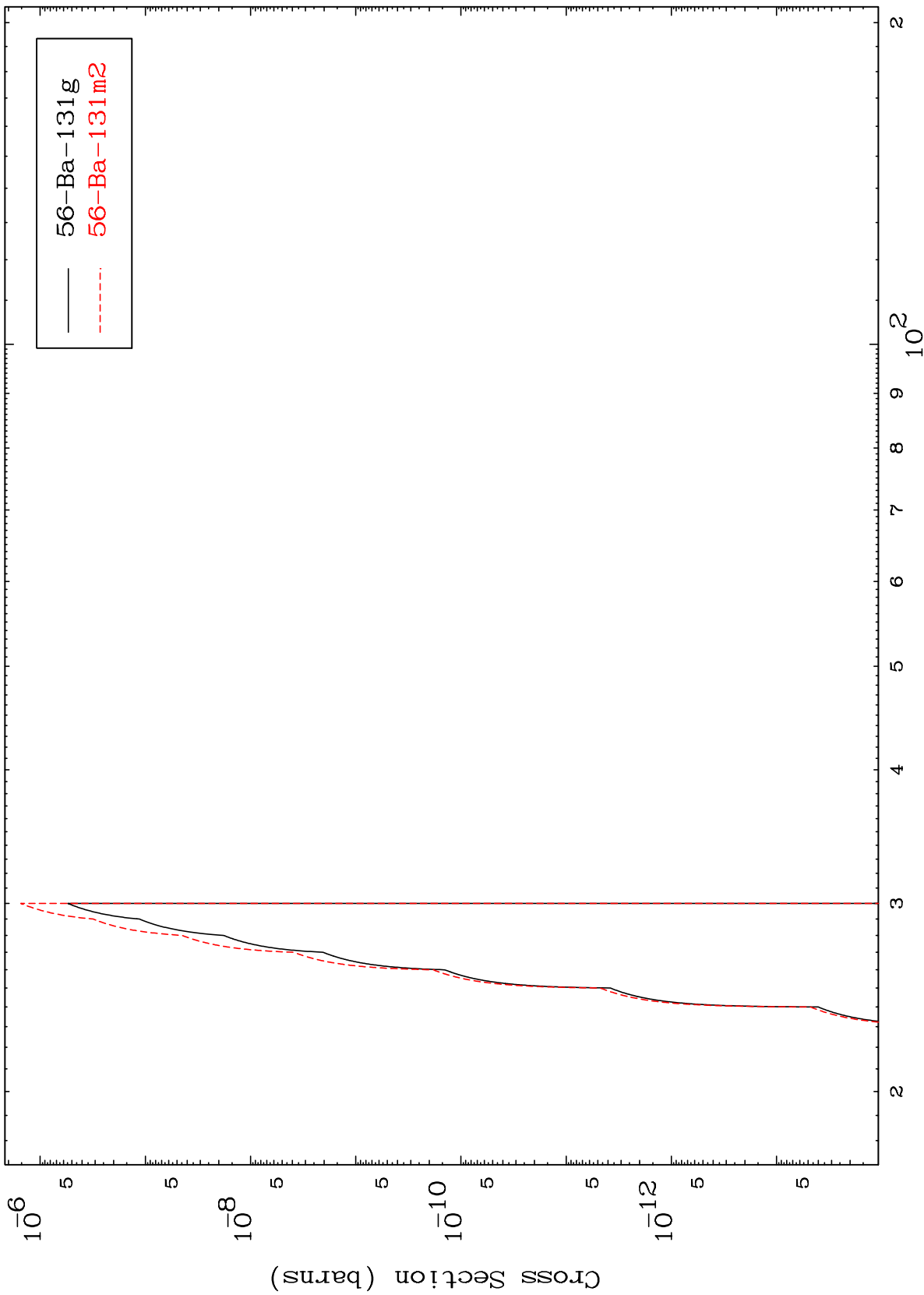
58-Ce-137

MAT 5829

(n,3n) α

58-Ce-137

Radionuclide Production Cross Section

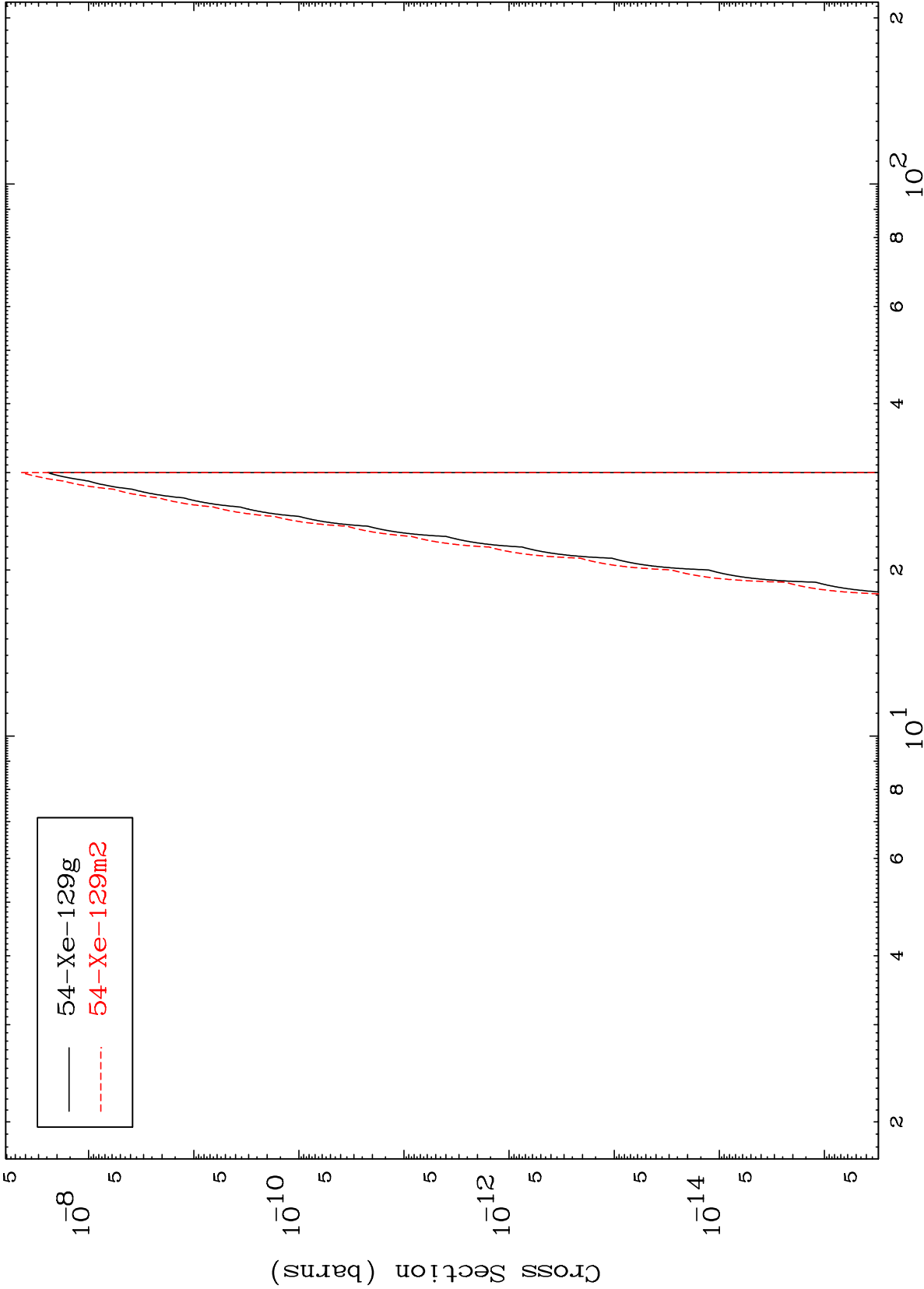


MAT 5829

(n,n') 2α

58-Ce-137

Radionuclide Production Cross Section



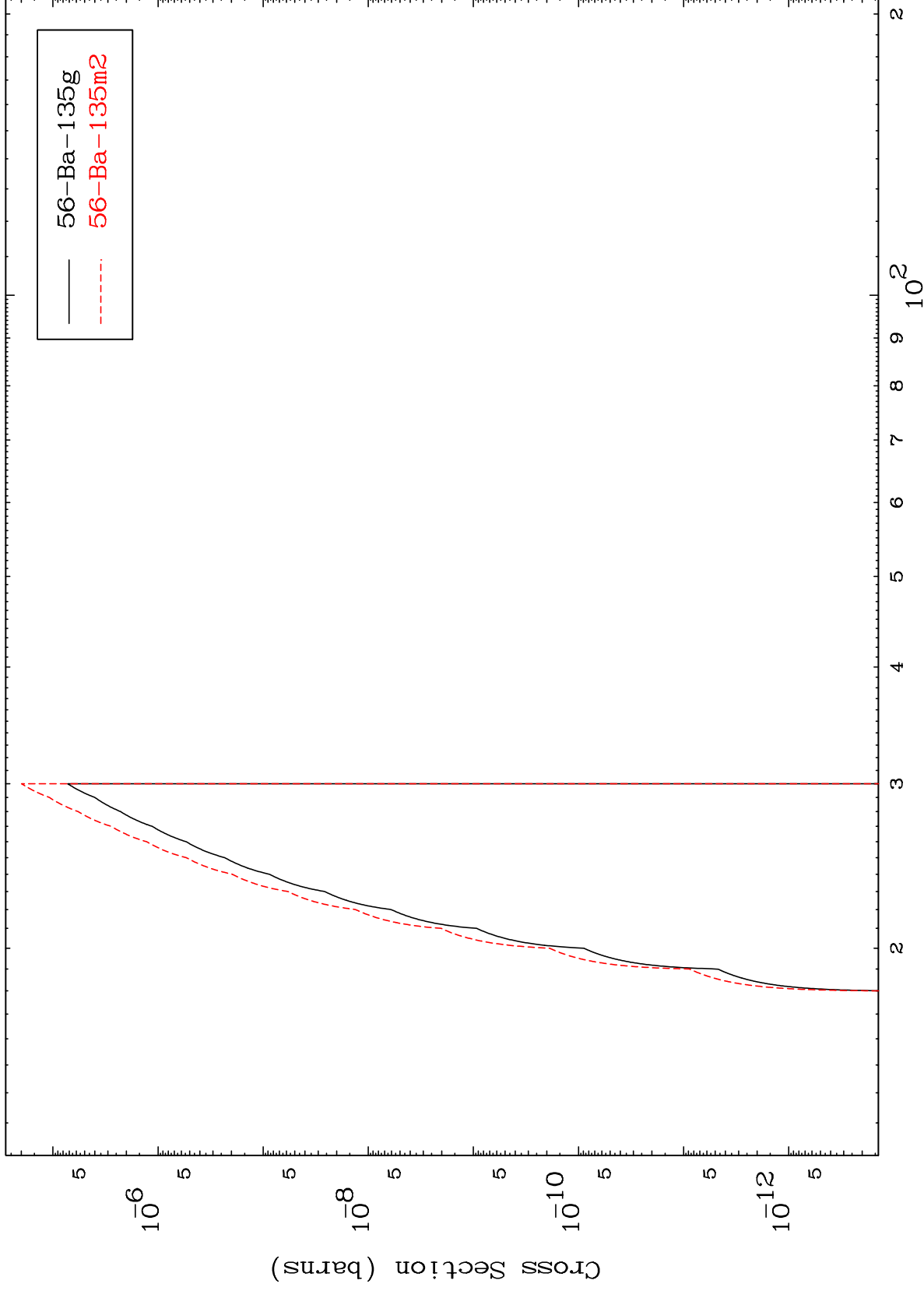
— 54-Xe-129g
- - - 54-Xe-129m2

22

Incident Energy (MeV)

58-Ce-137

Radionuclide Production Cross Section

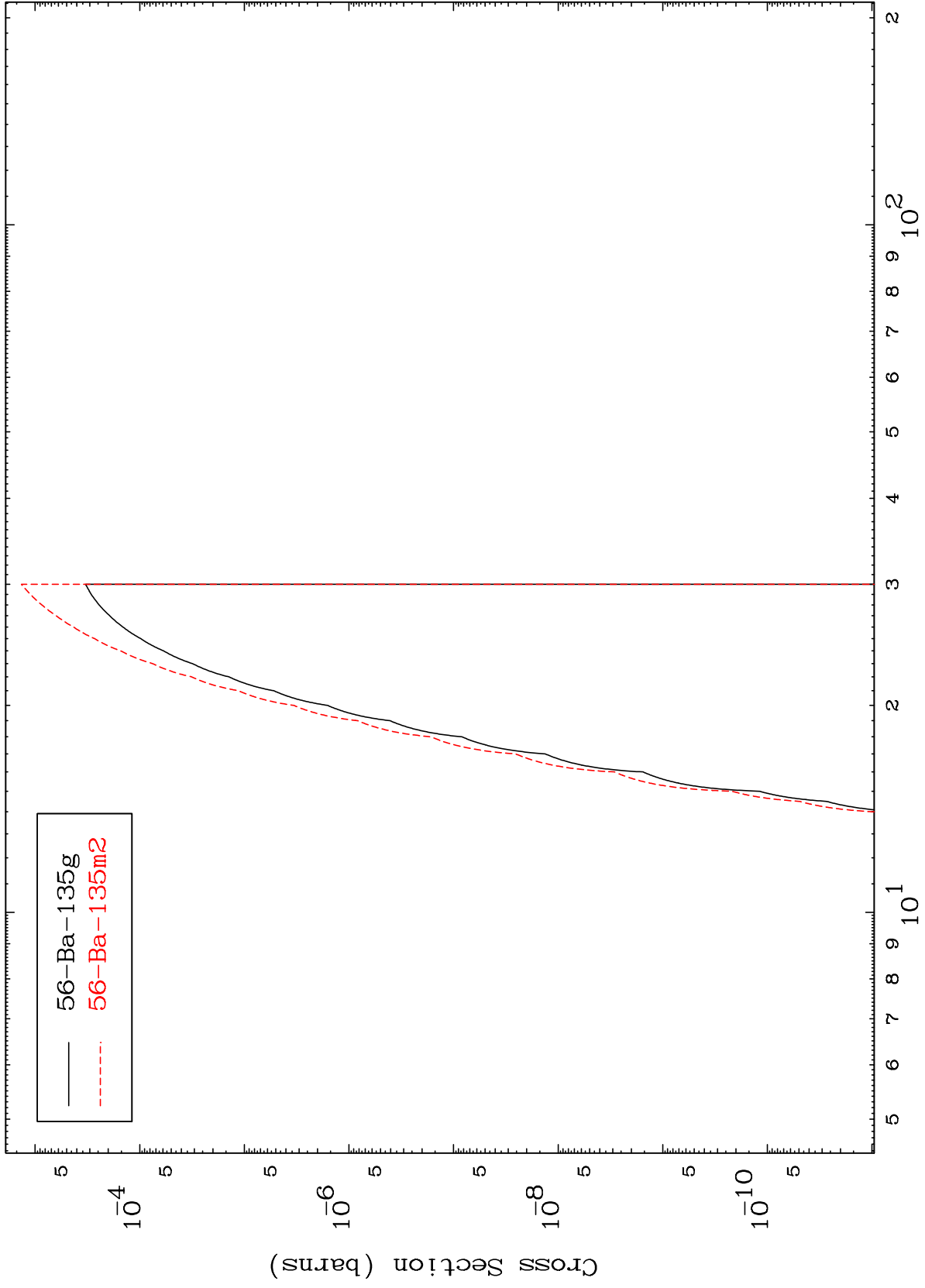


MAT 5829

(n,He-3)

58-Ce-137

Radionuclide Production Cross Section



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

24

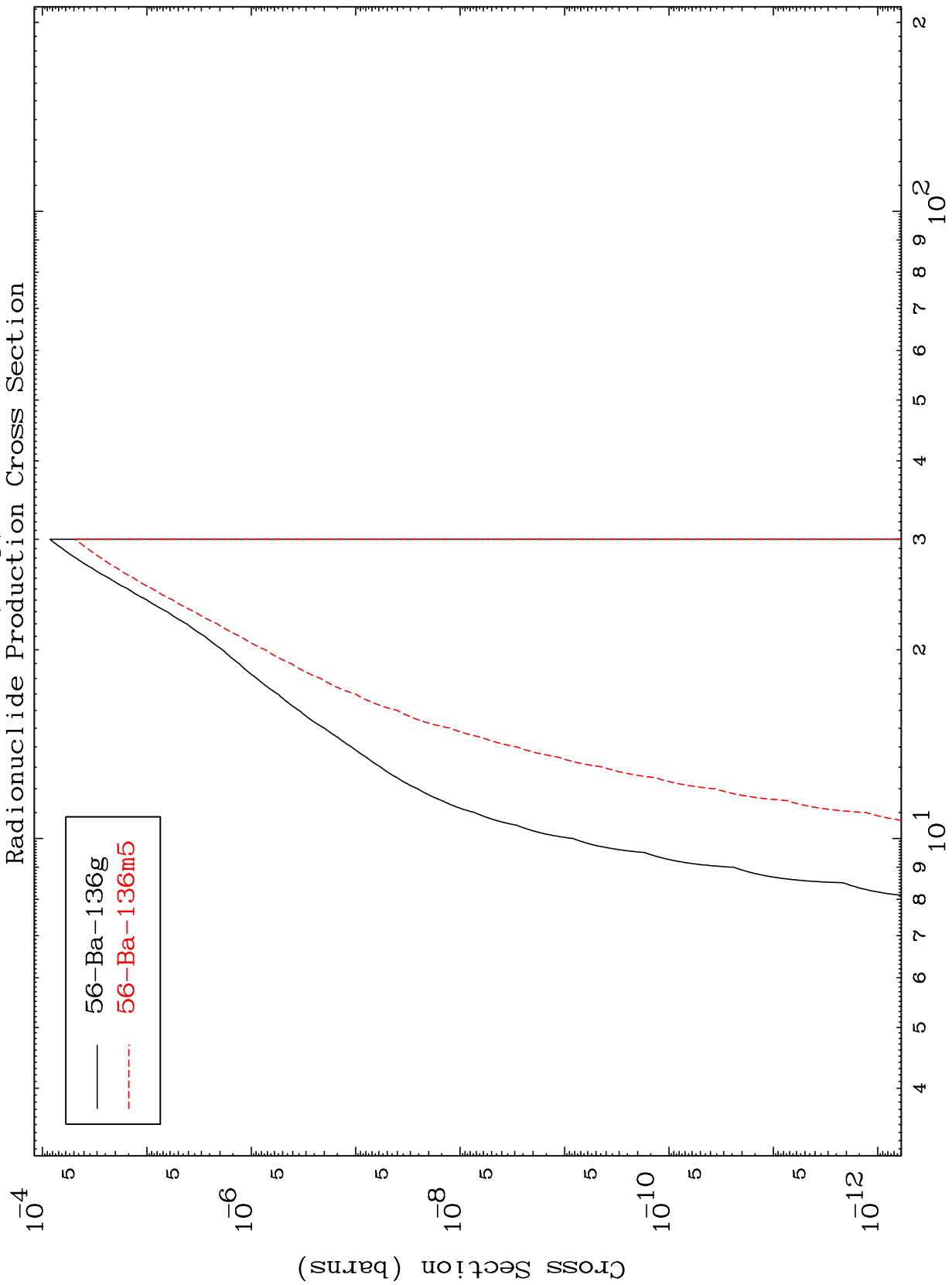
Incident Energy (MeV)

58-Ce-137

MAT 5829

58-Ce-137

(n,2p)
Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-137

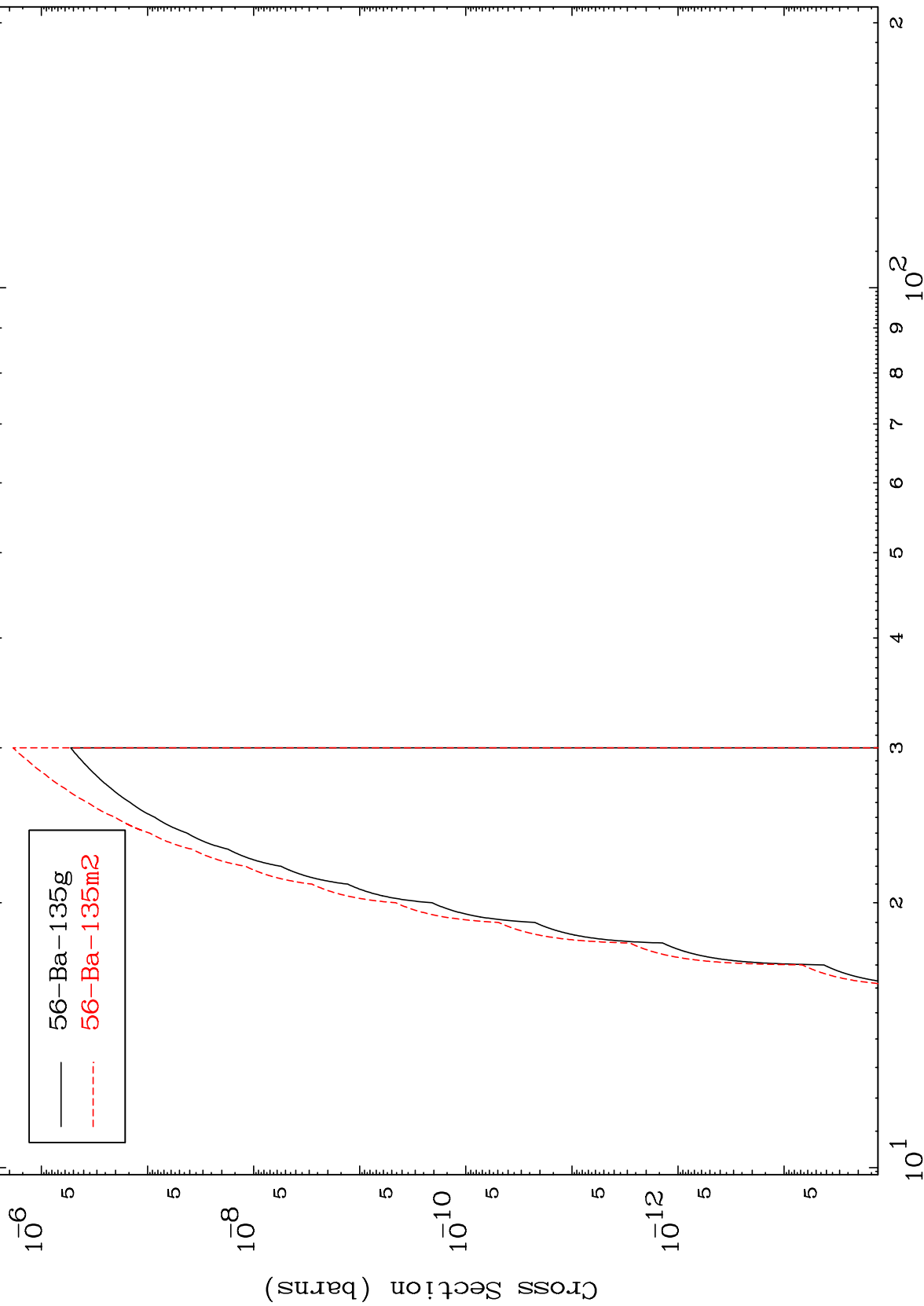
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MAT 5829

(n,p) d

58-Ce-137

Radionuclide Production Cross Section



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

Incident Energy (MeV)

58-Ce-137

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