

Program EVALPLOT
(Version 2015-2)

by

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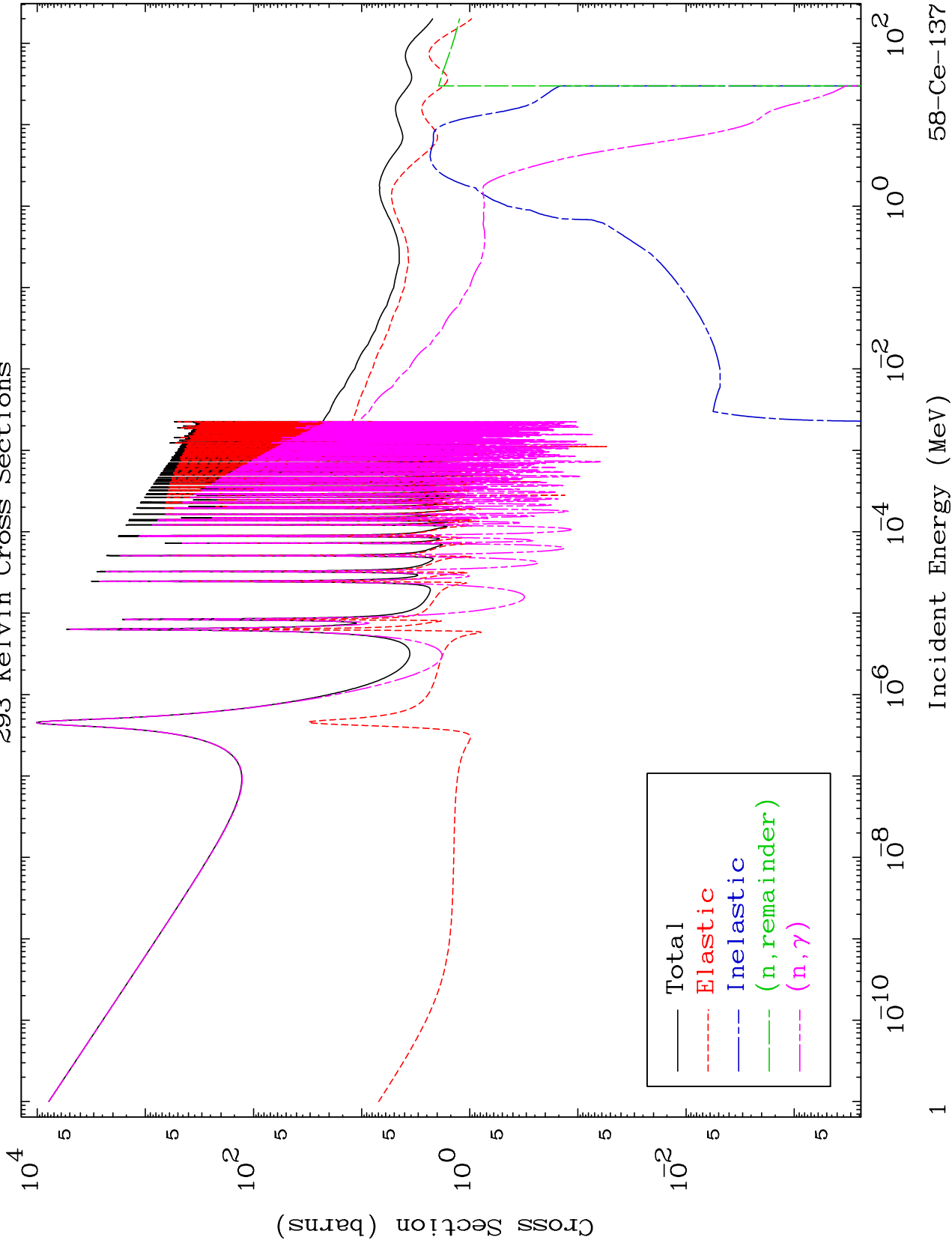
Press Mouse Button to Start

MAT 5829

Major

293 Kelvin Cross Sections

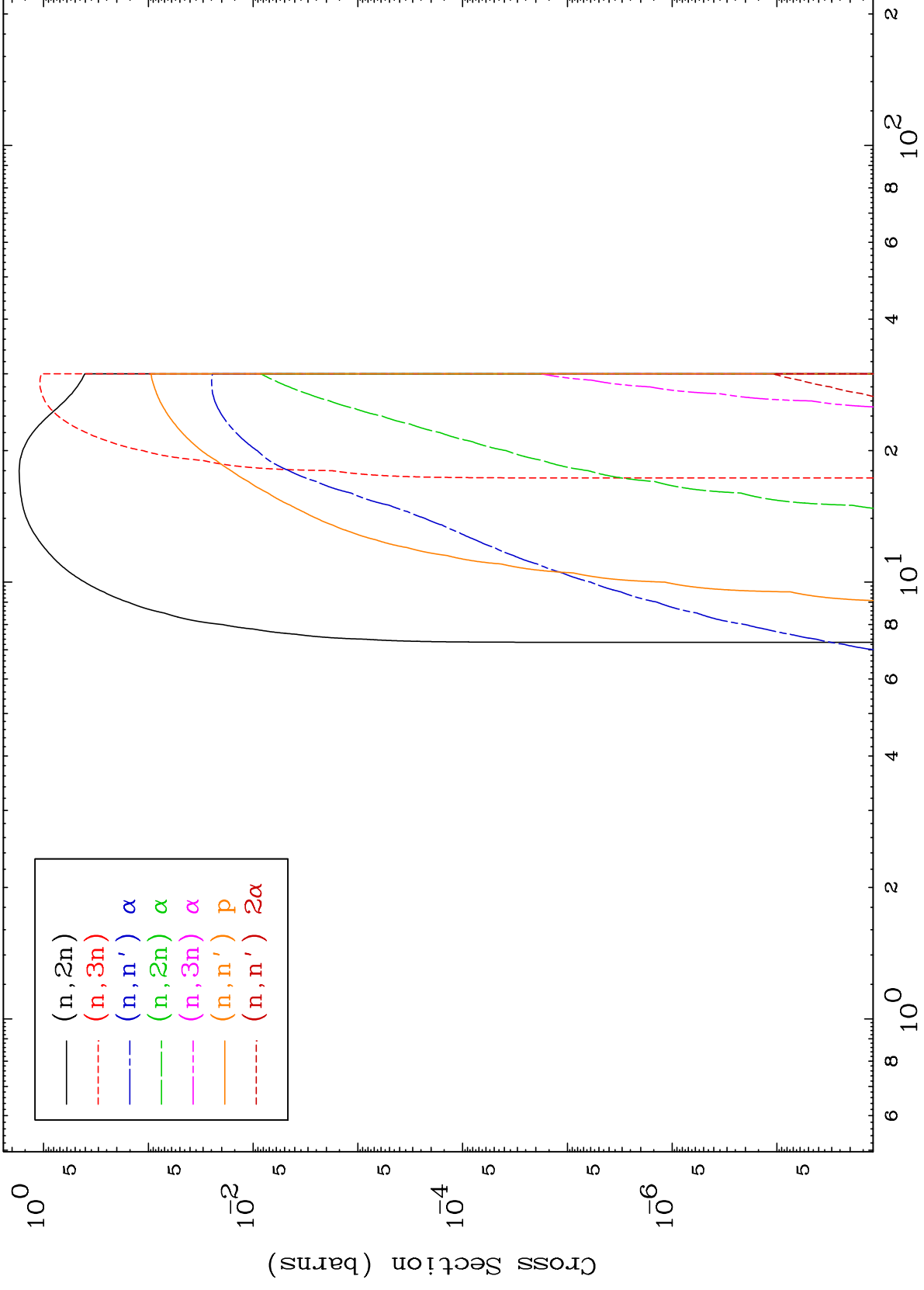
58-Ce-137



MAT 5829

Neutron Production
293 Kelvin Cross Sections

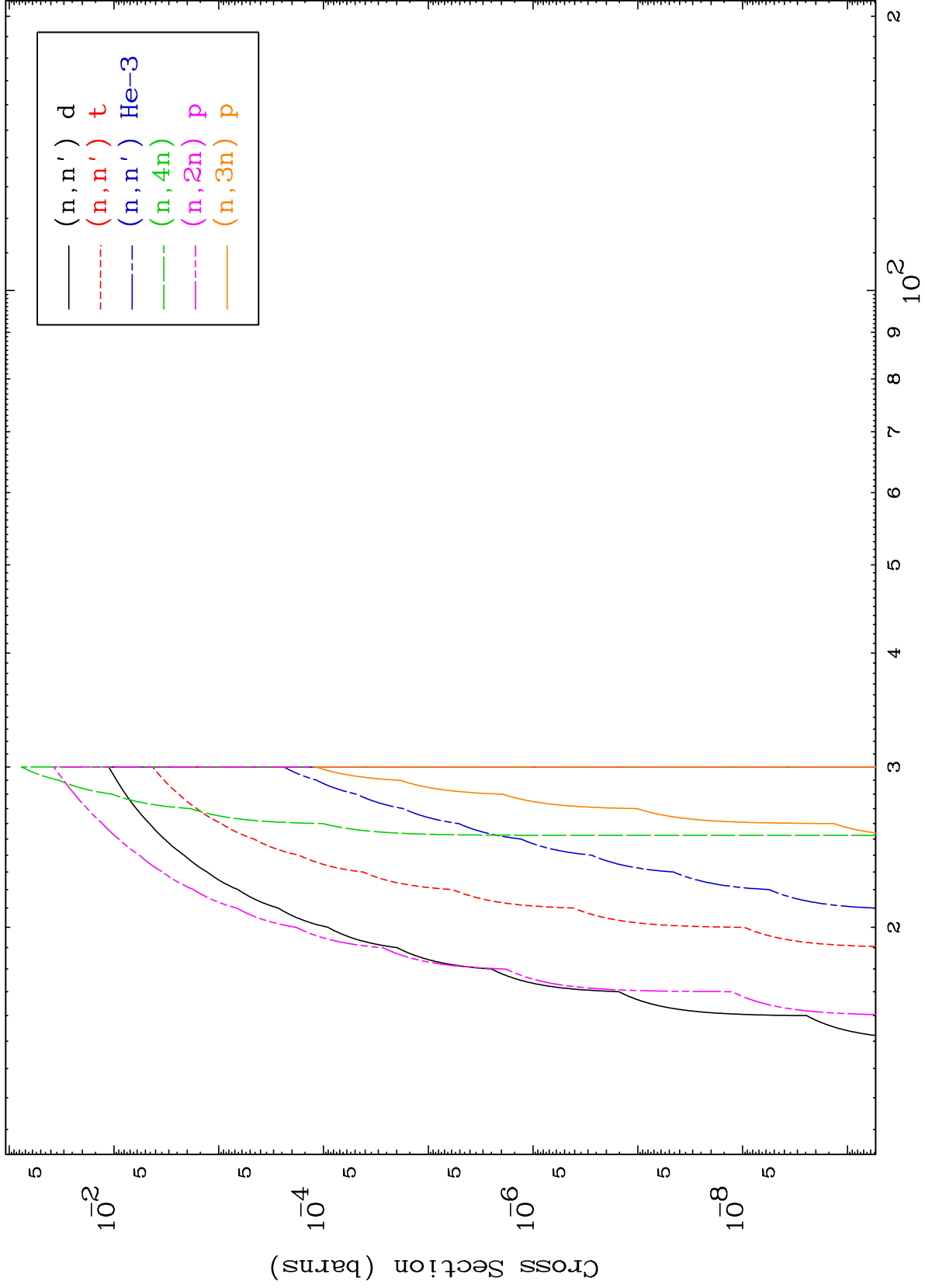
58-Ce-137



58-Ce-137

Incident Energy (MeV)

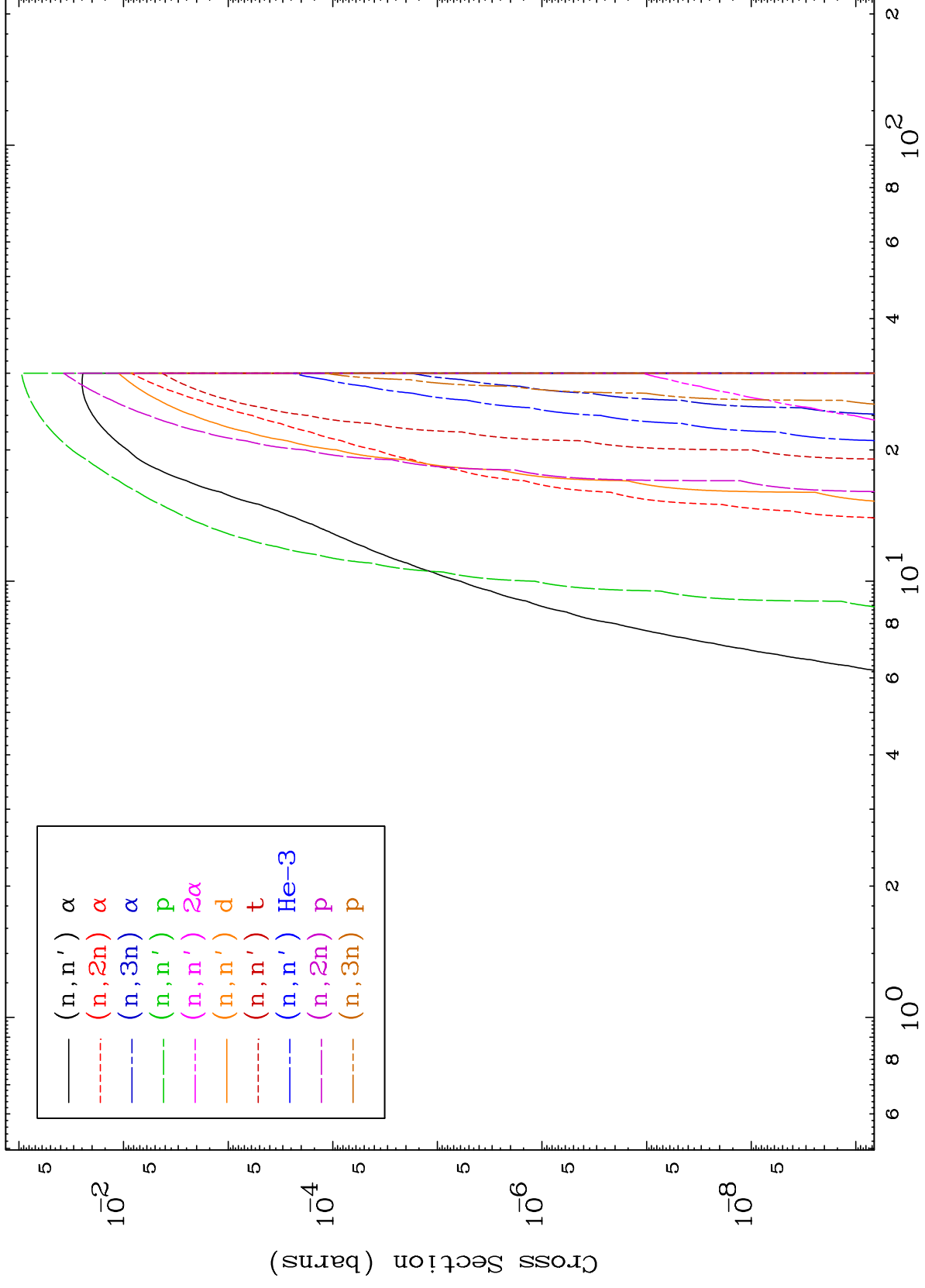
2



MAT 5829

Charged Particle
293 Kelvin Cross Sections

58-Ce-137



—	(n, n')	α
- - -	(n, 2n)	α
- · - ·	(n, 3n)	α
- - -	(n, n')	p
- · - ·	(n, n')	2α
—	(n, n')	d
- - -	(n, n')	t
- · - ·	(n, n')	He-3
—	(n, 2n)	p
- - -	(n, 3n)	p

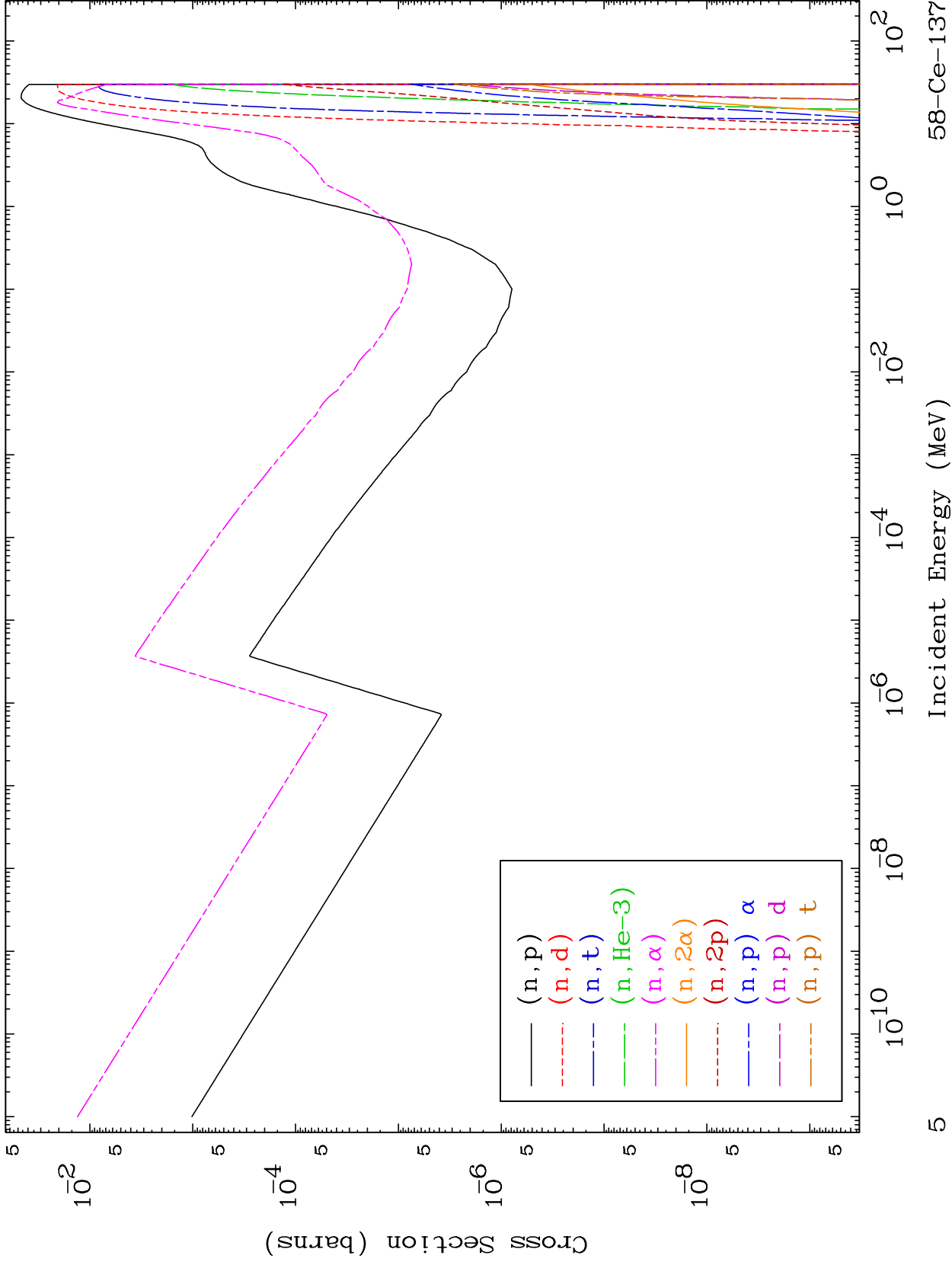
58-Ce-137

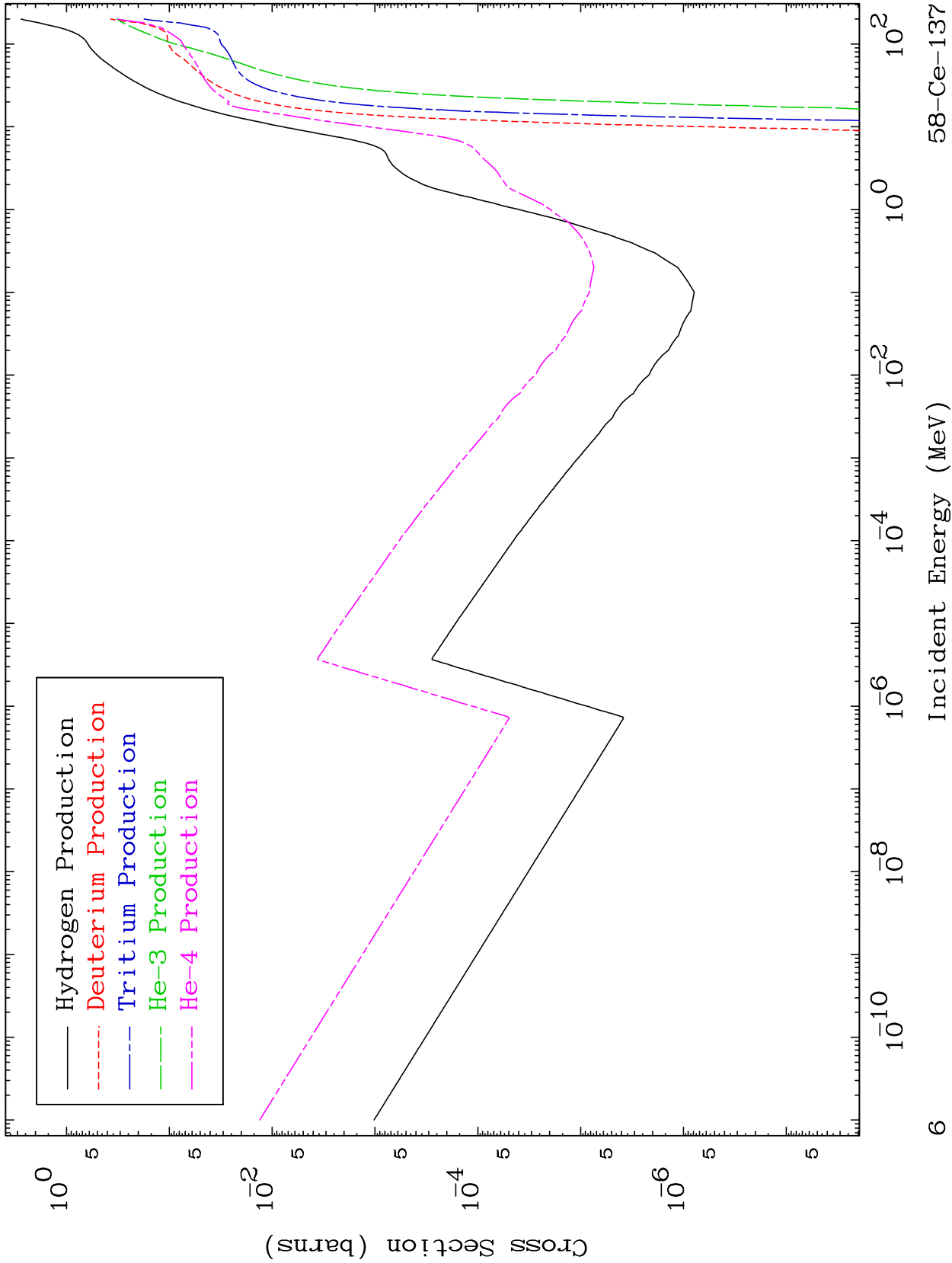
Incident Energy (MeV)

MAT 5829

Charged Particle
293 Kelvin Cross Sections

58-Ce-137

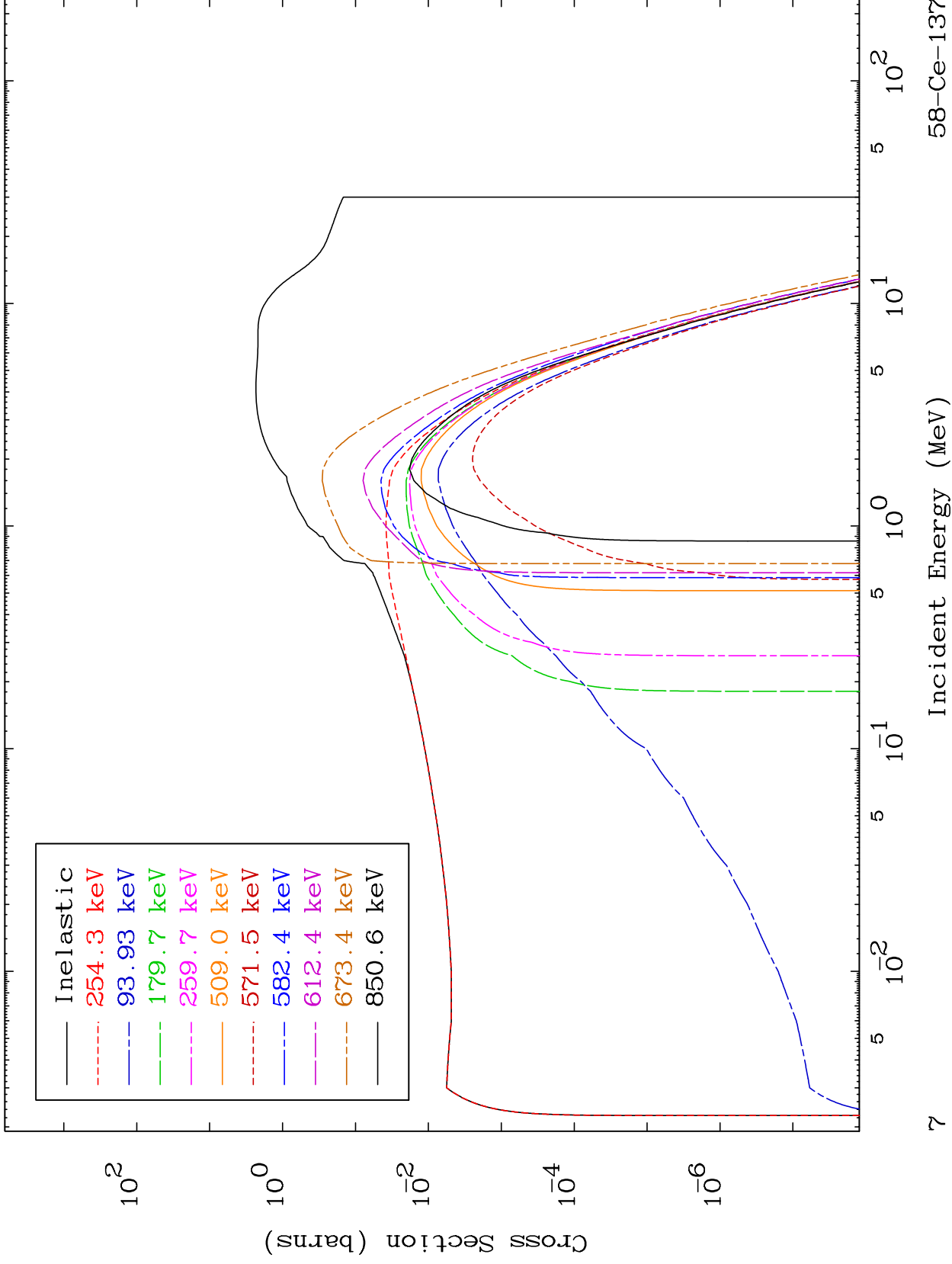




MAT 5829

(n,n') Level
293 Kelvin Cross Sections

58-Ce-137

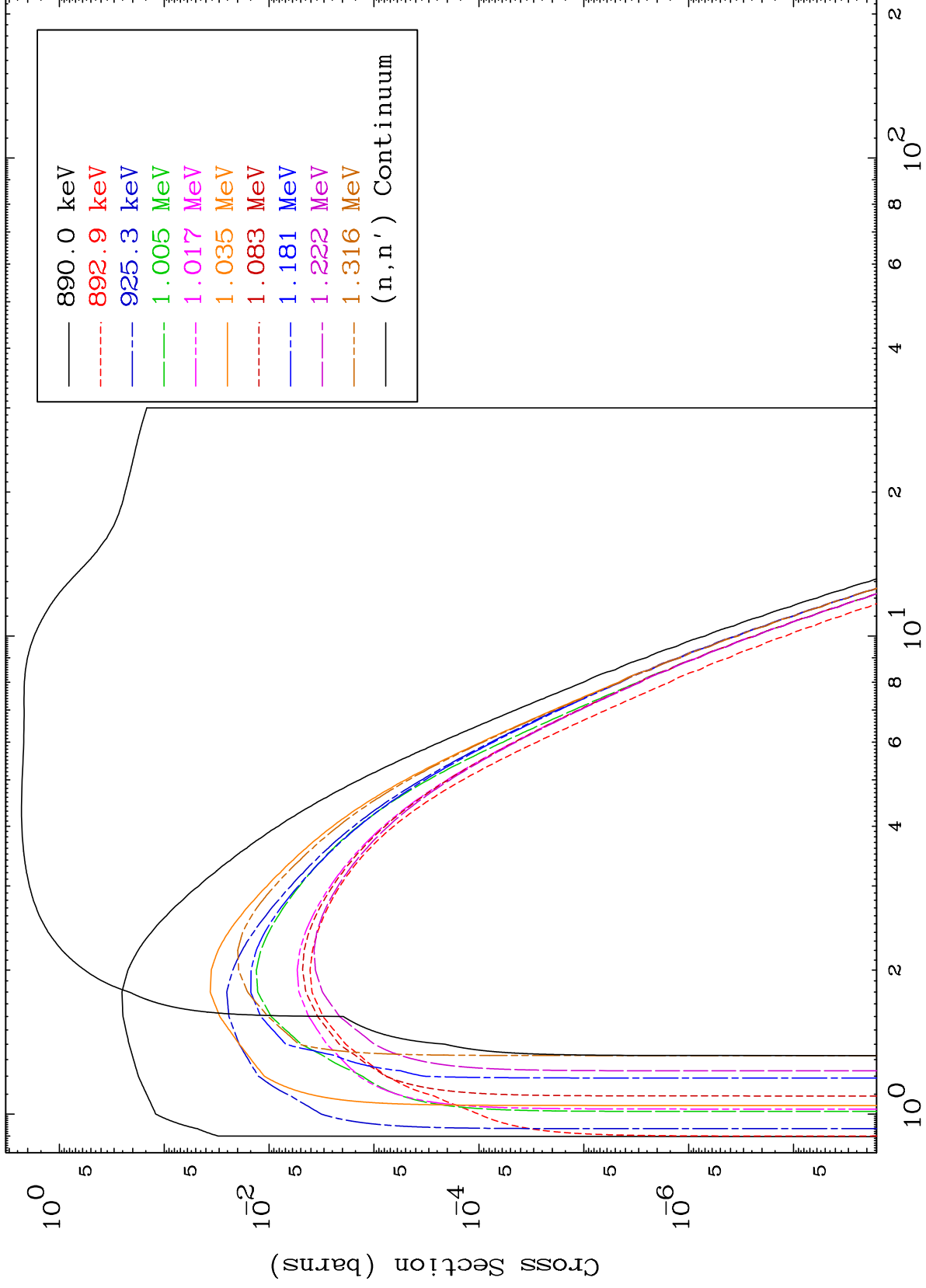


MAT 5829

(n,n') Level

58-Ce-137

293 Kelvin Cross Sections



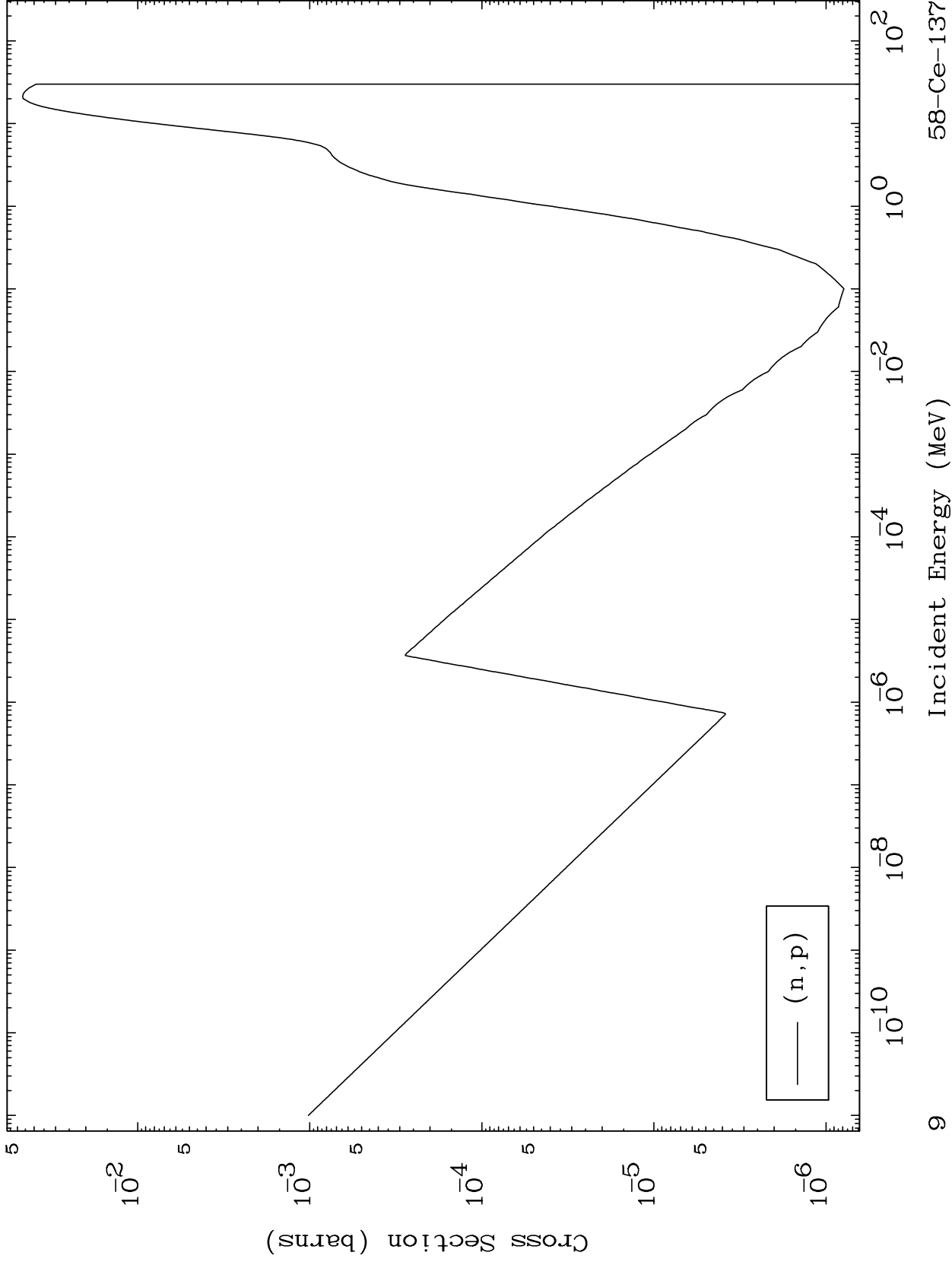
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,p) Levels
293 Kelvin Cross Sections

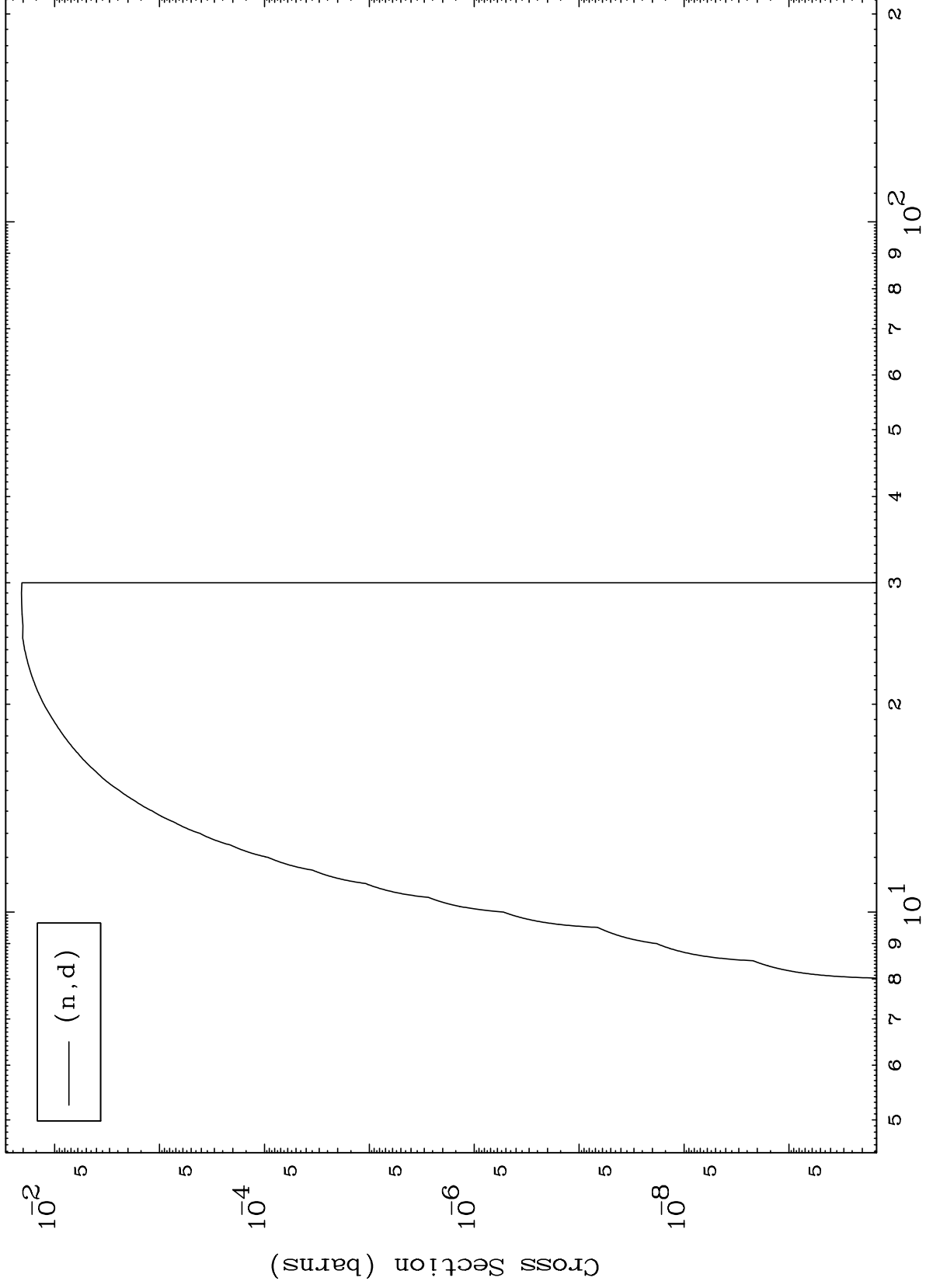
58-Ce-137



MAT 5829

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-137



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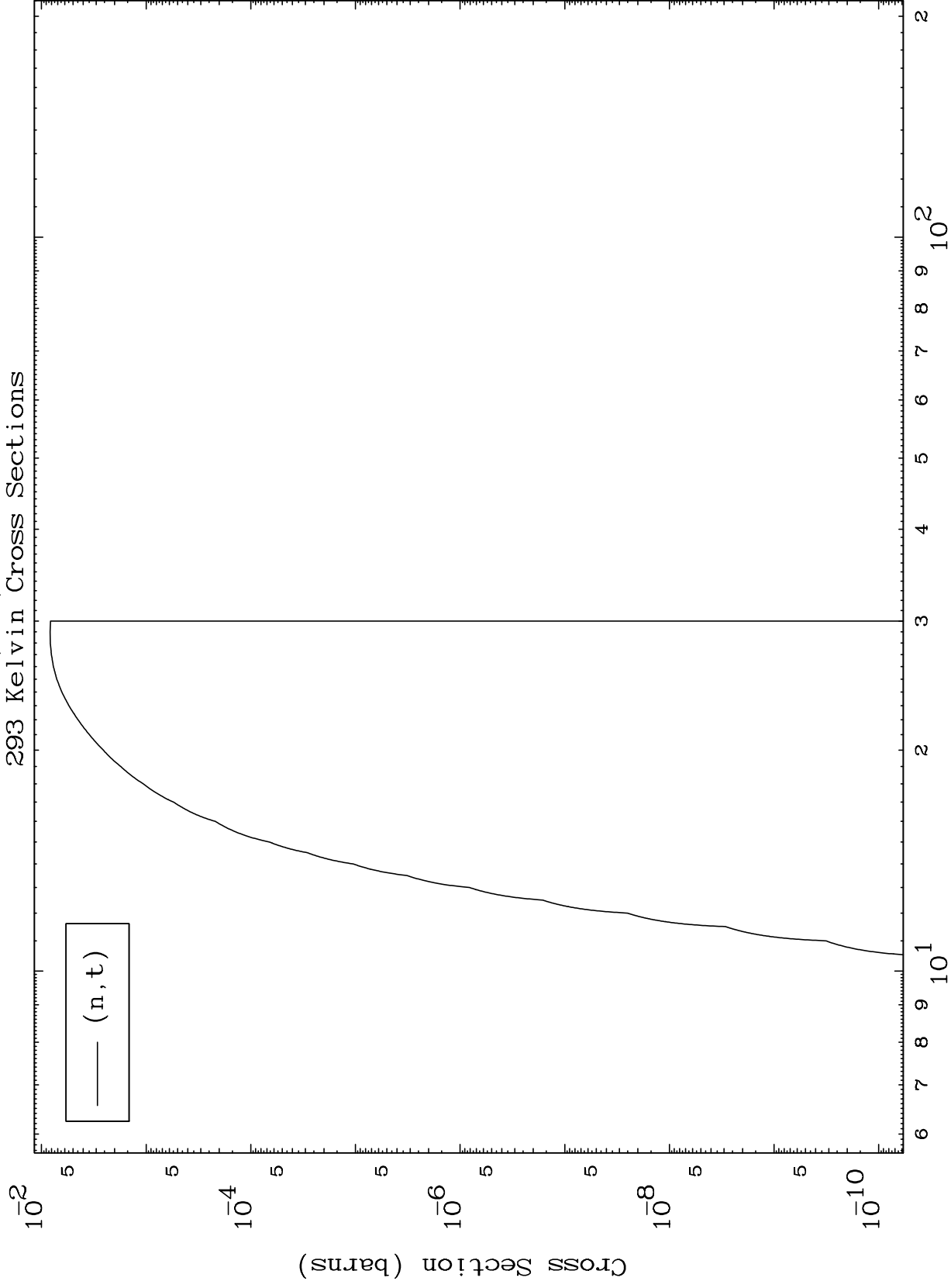
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-137



11

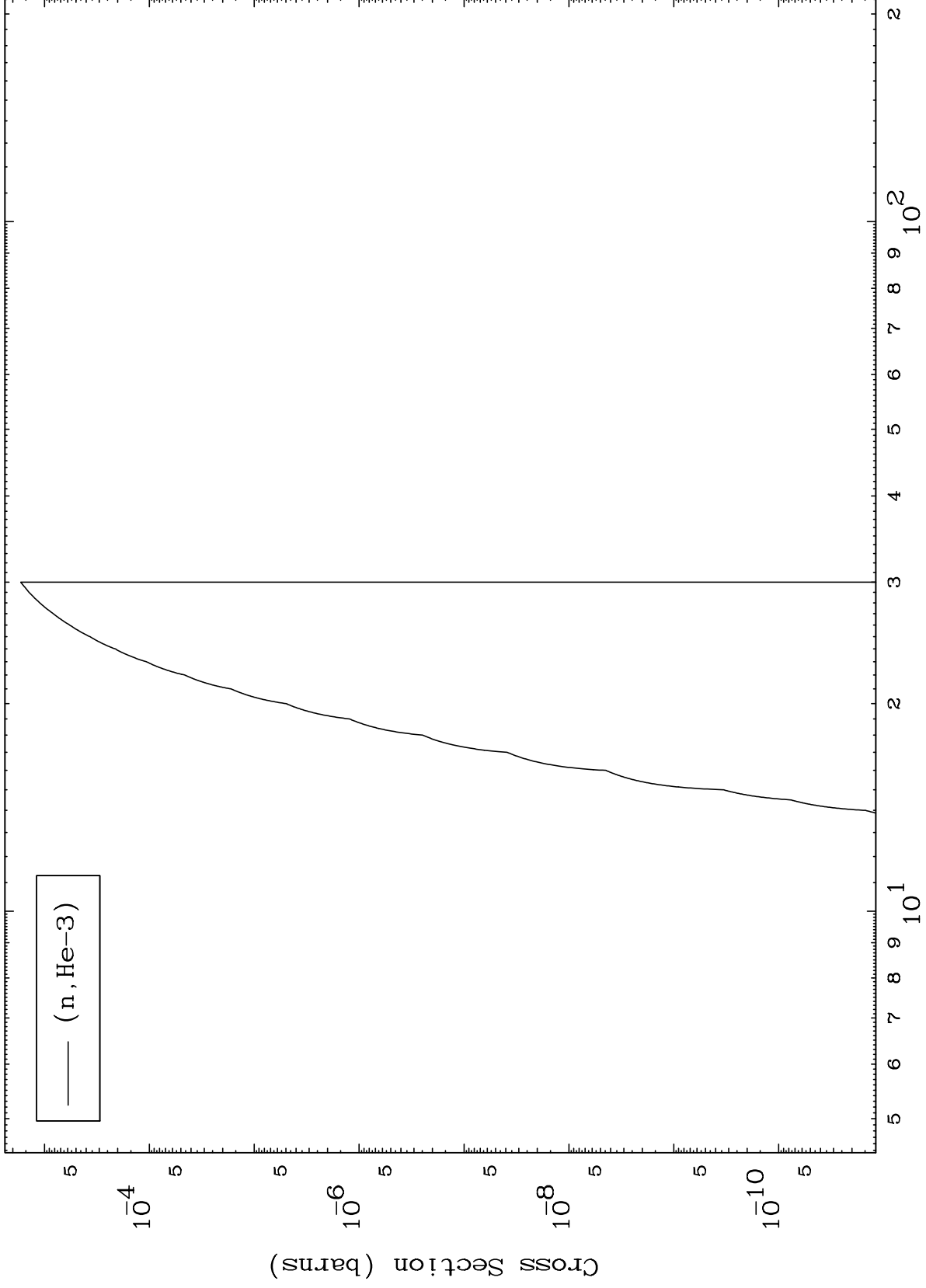
Incident Energy (MeV)

58-Ce-137

MAT 5829

(n,He3) Levels
293 Kelvin Cross Sections

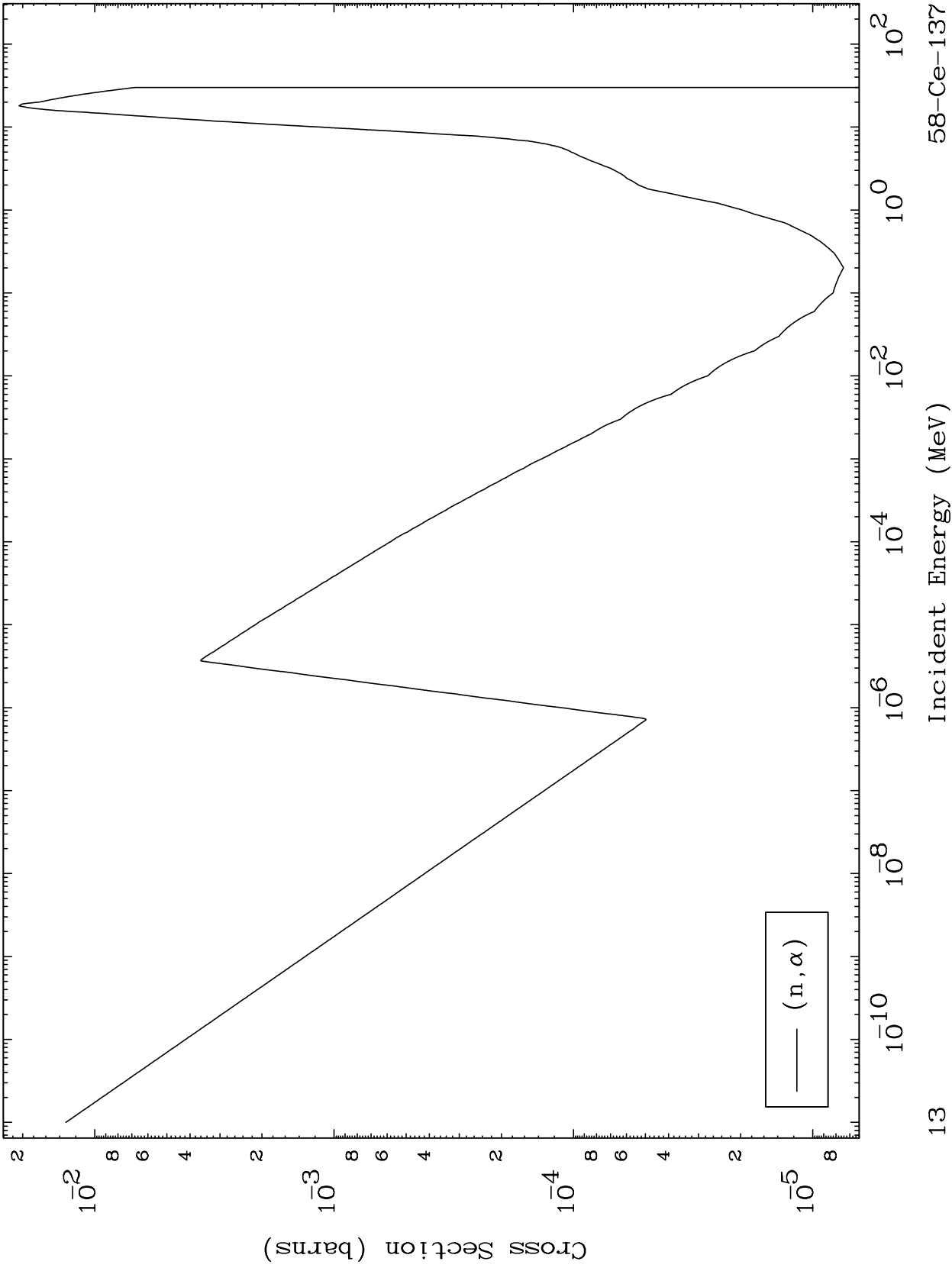
58-Ce-137



MAT 5829

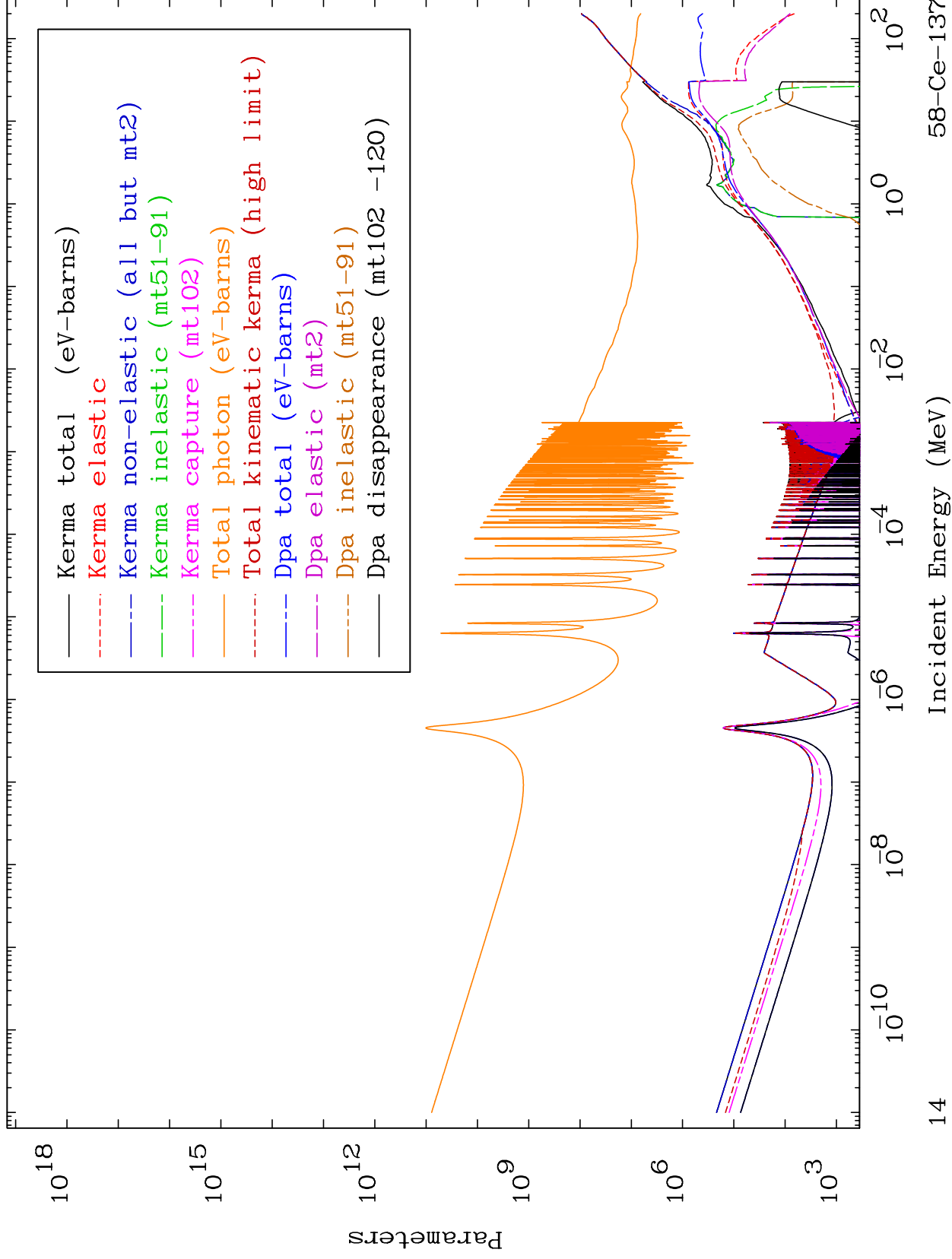
(n,α) Levels
293 Kelvin Cross Sections

58-Ce-137



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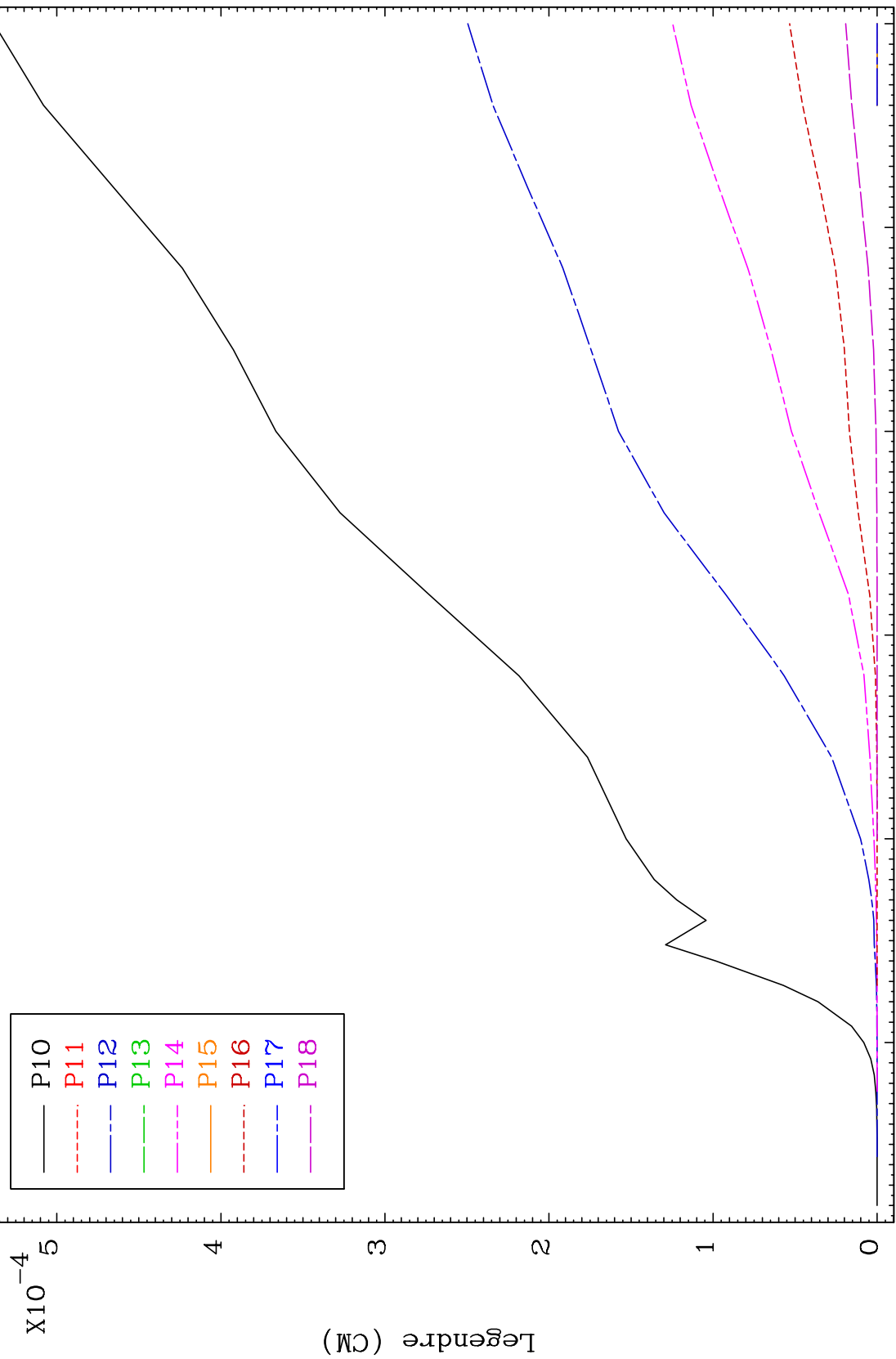
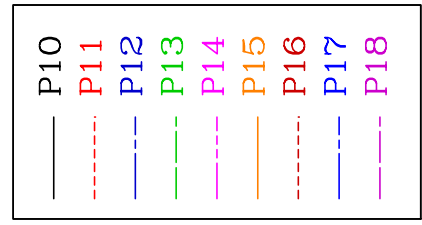
58-Ce-137



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Elastic Legendre Coefficients

58-Ce-137



16

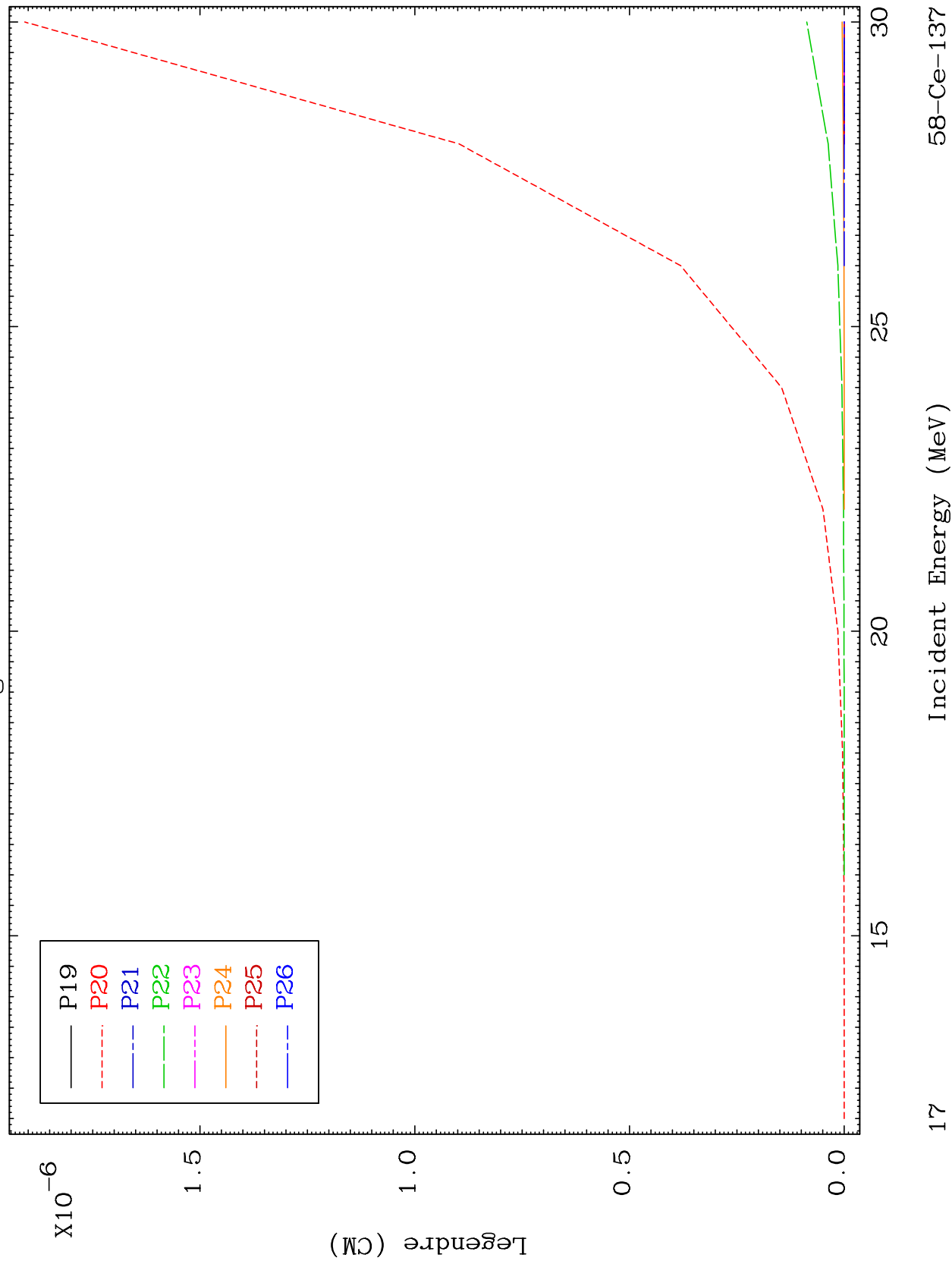
Incident Energy (MeV)

58-Ce-137

MAT 5829

Elastic Legendre Coefficients

58-Ce-137



17

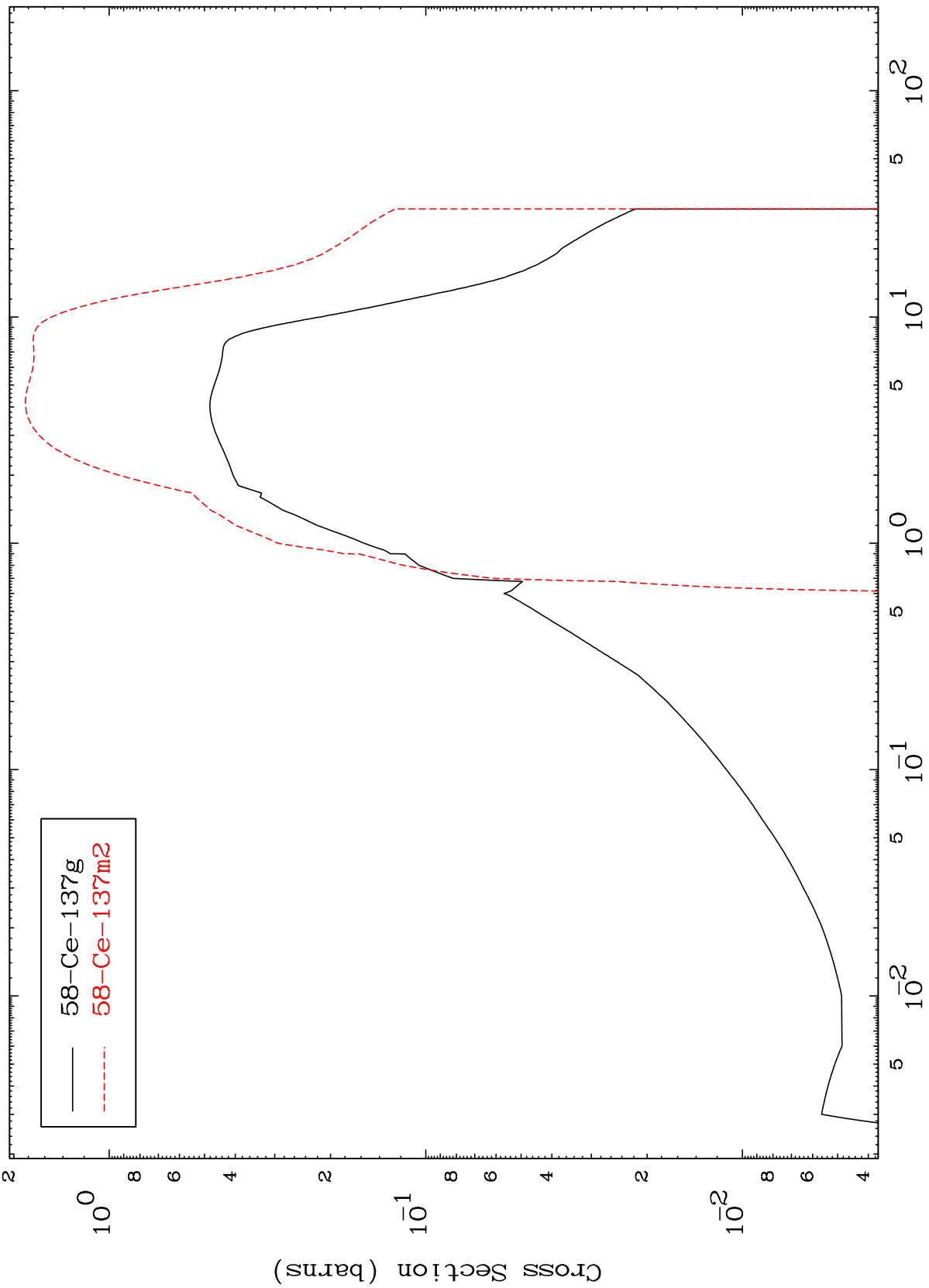
Incident Energy (MeV)

58-Ce-137

MAT 5829

58-Ce-137

Inelastic
Radionuclide Production Cross Section



18

58-Ce-137

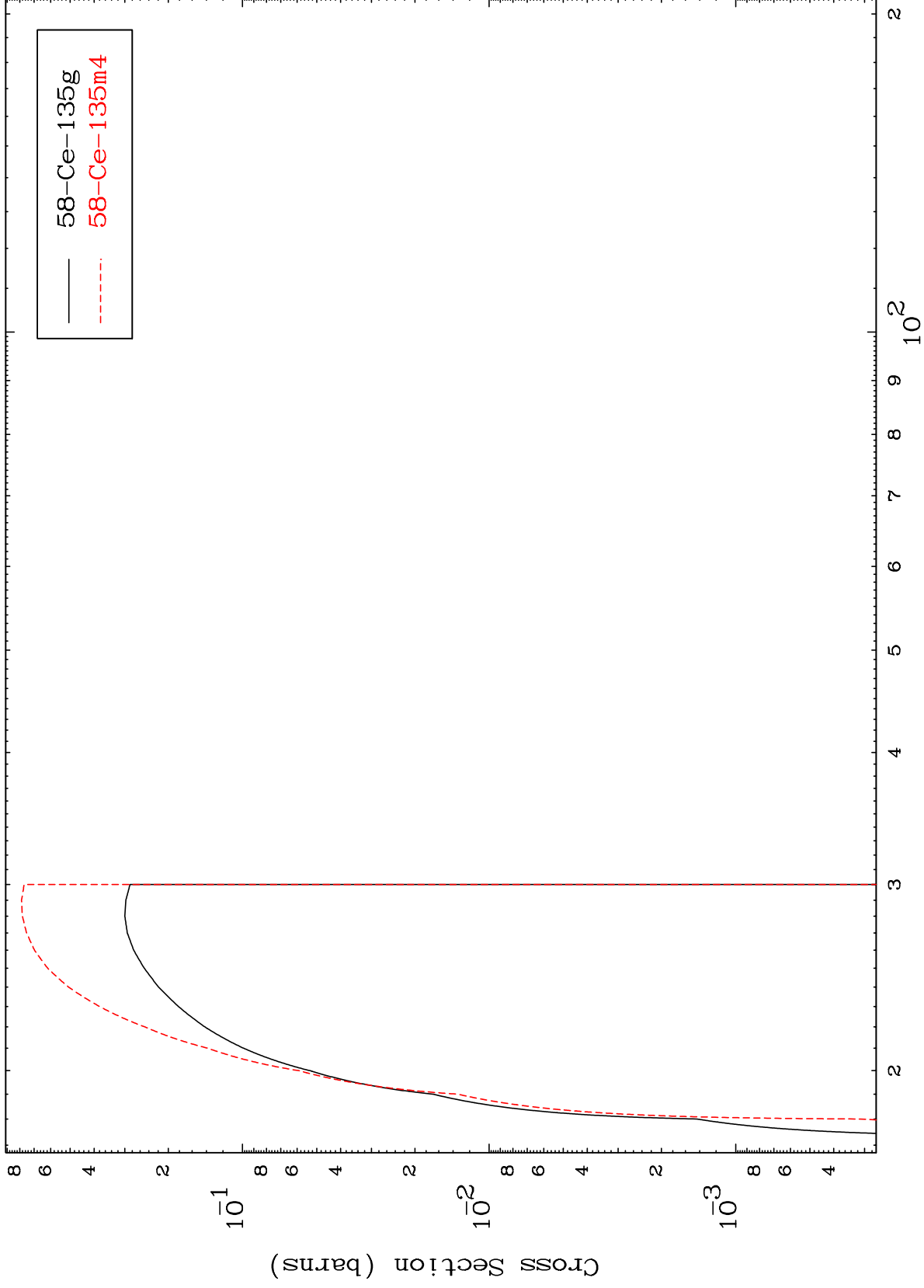
Incident Energy (MeV)

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(n,3n)

58-Ce-137

Radionuclide Production Cross Section



19

Incident Energy (MeV)

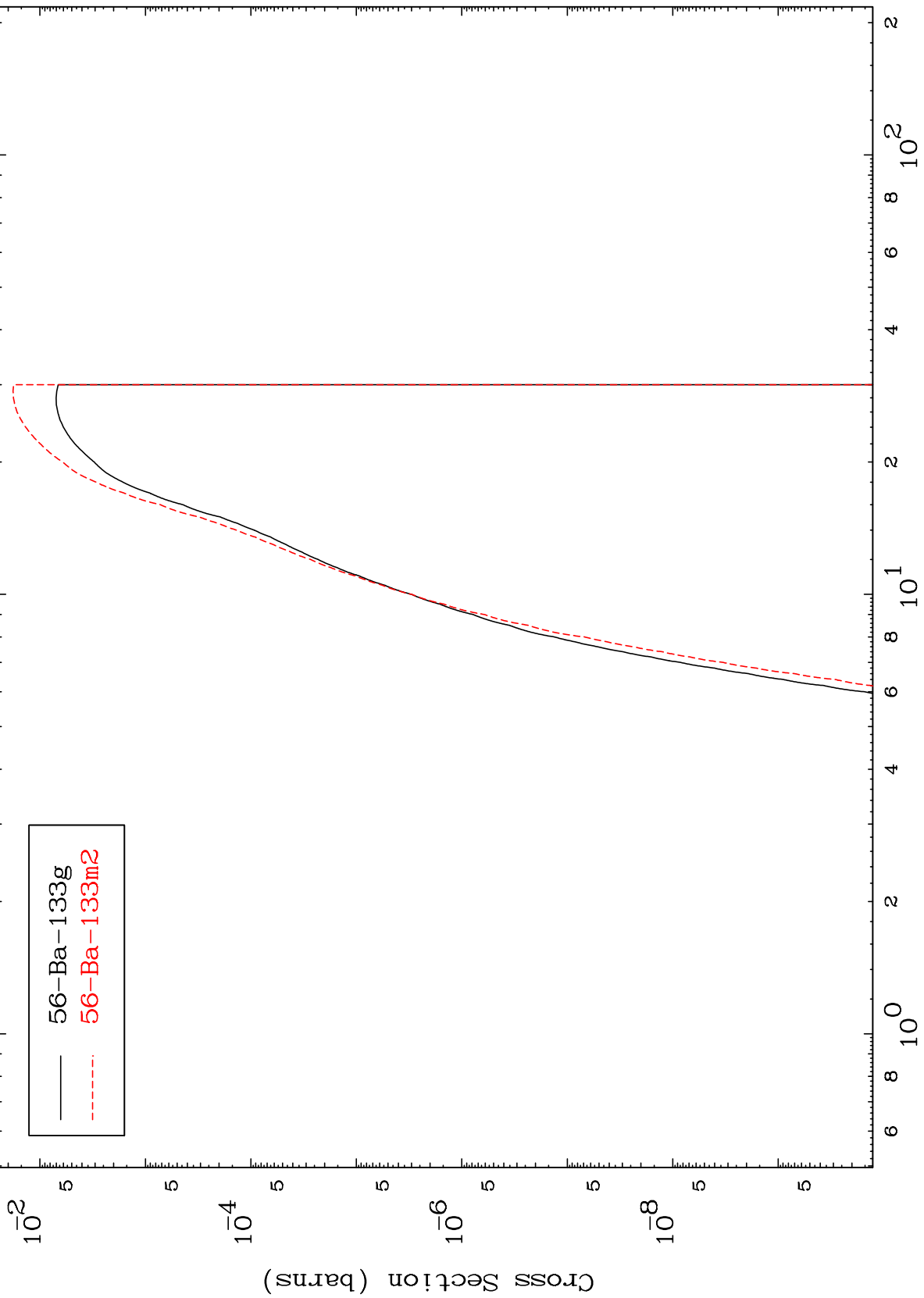
58-Ce-137

MAT 5829

(n,n') α

58-Ce-137

Radionuclide Production Cross Section



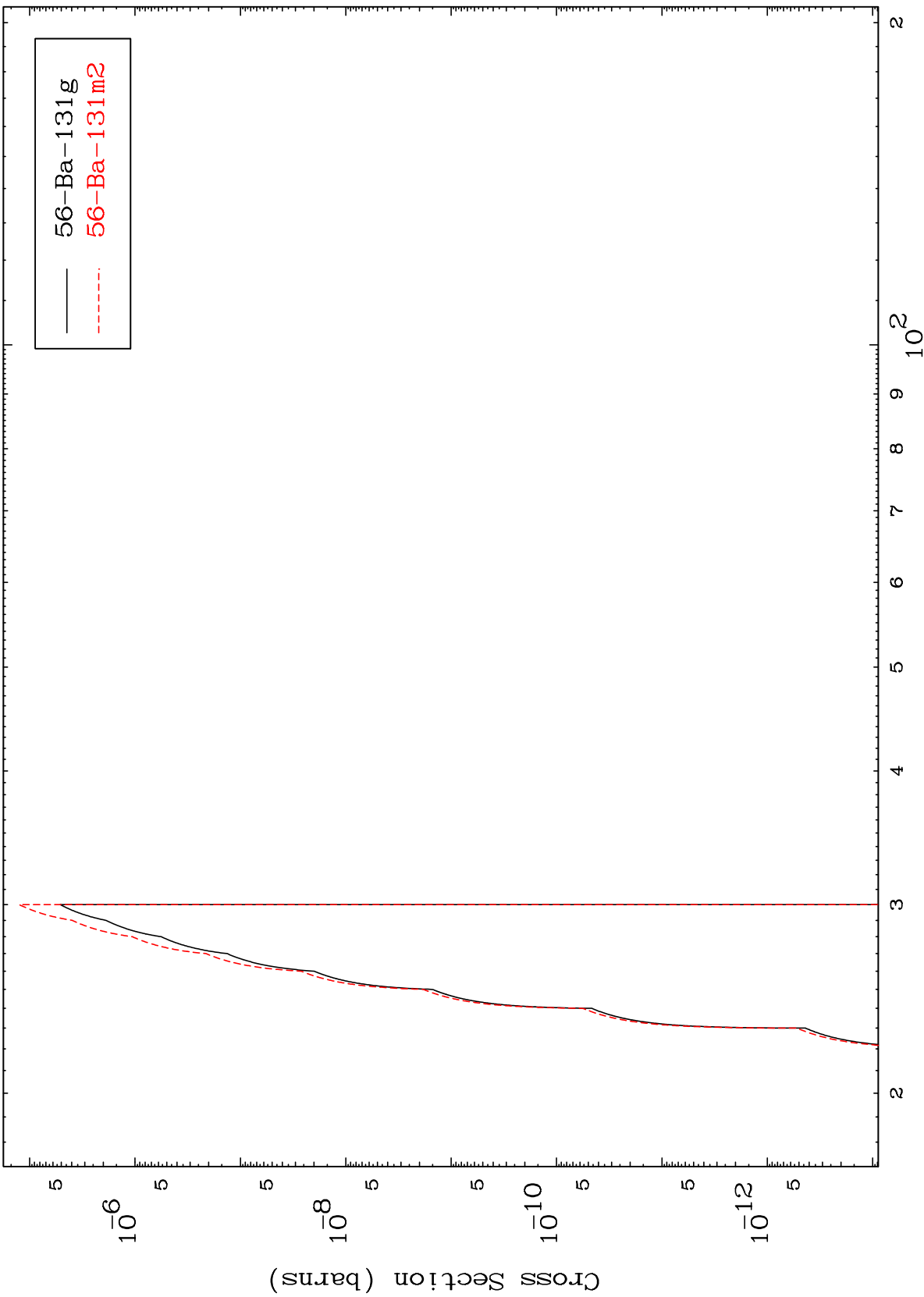
56-Ba-133g
56-Ba-133m2

20

Incident Energy (MeV)

58-Ce-137

Radionuclide Production Cross Section

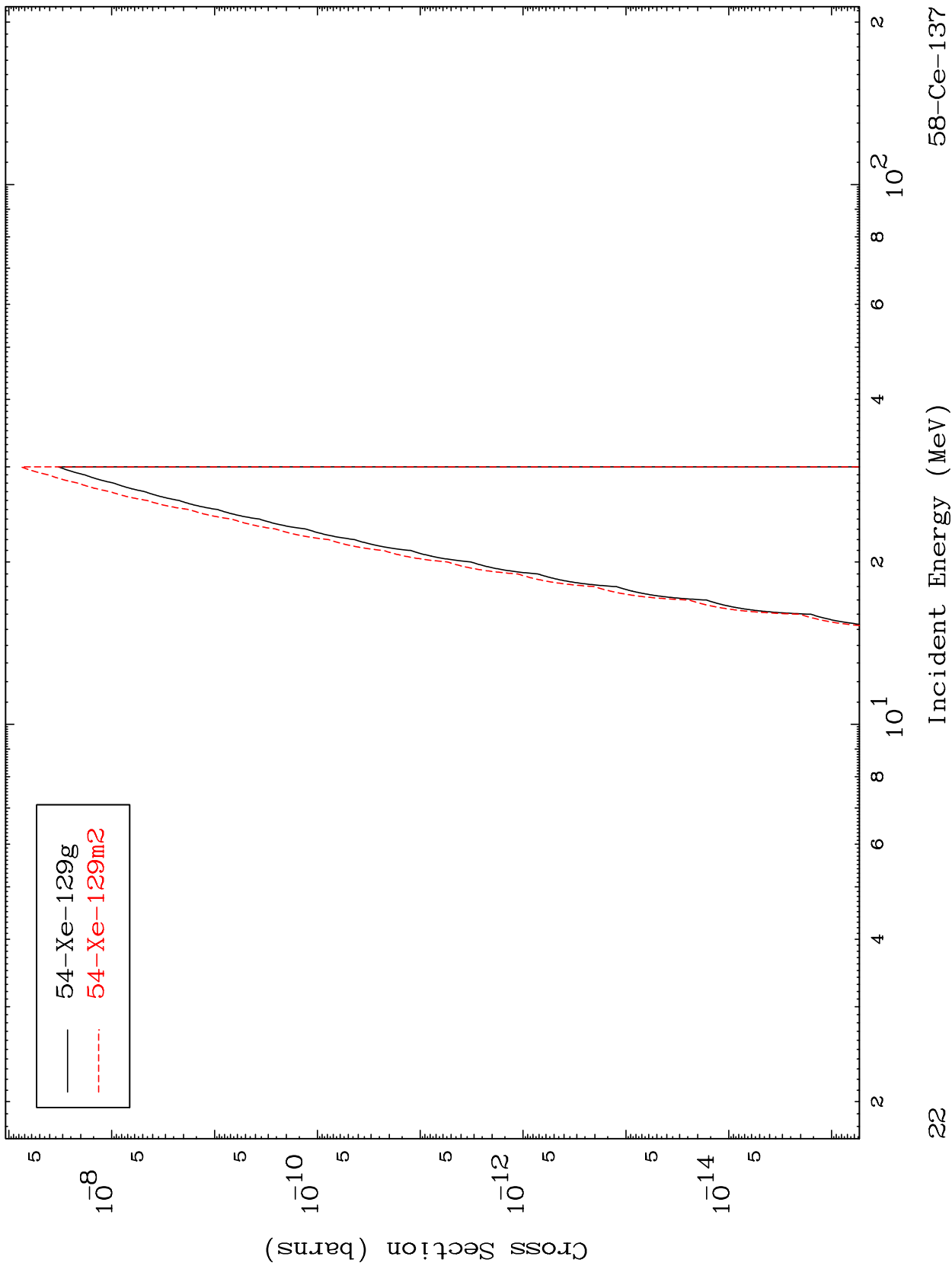


56-Ba-131g
56-Ba-131m2

MAT 5829

58-Ce-137

(n,n') 2 α
Radionuclide Production Cross Section

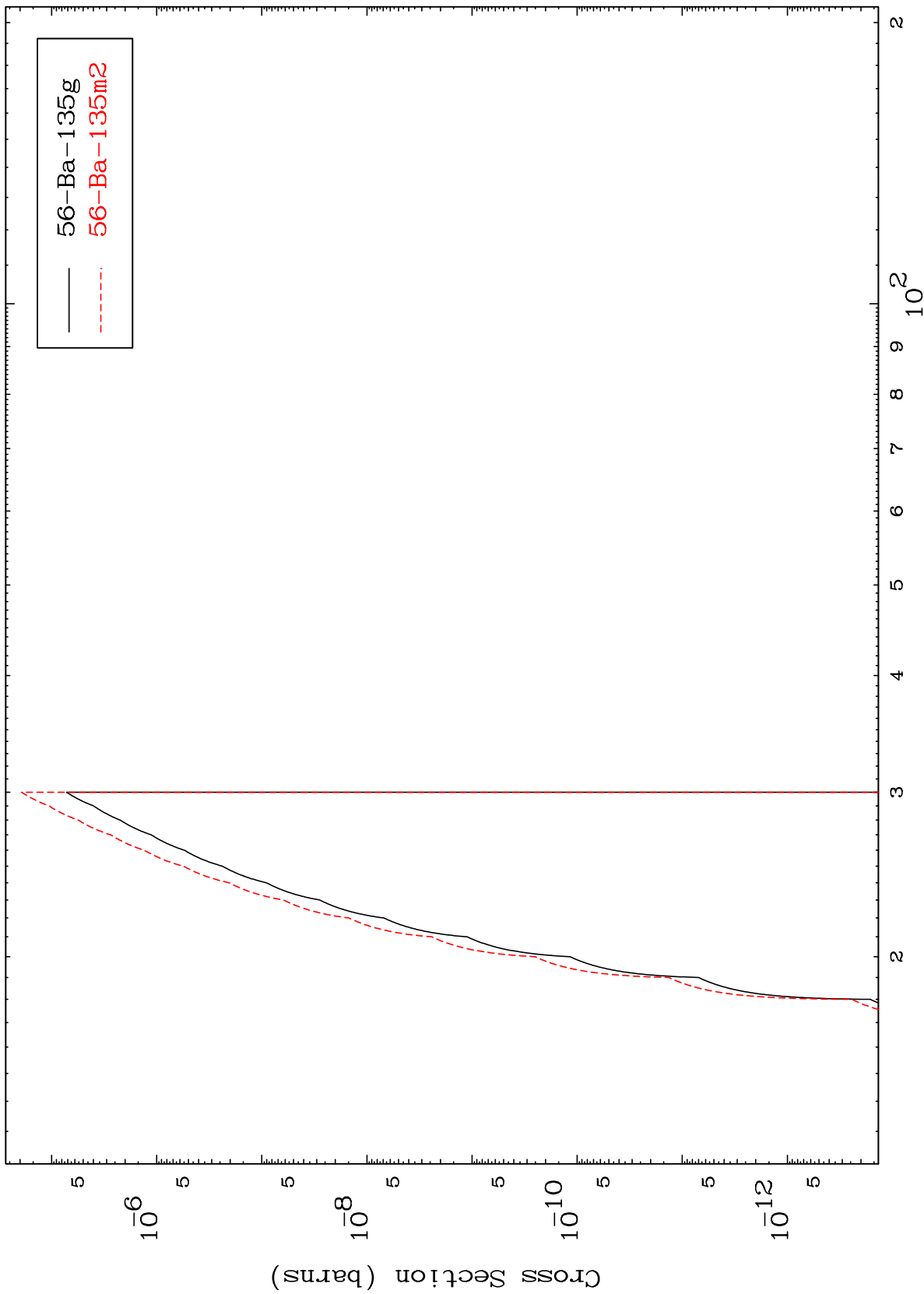


58-Ce-137

Incident Energy (MeV)

22

Radionuclide Production Cross Section

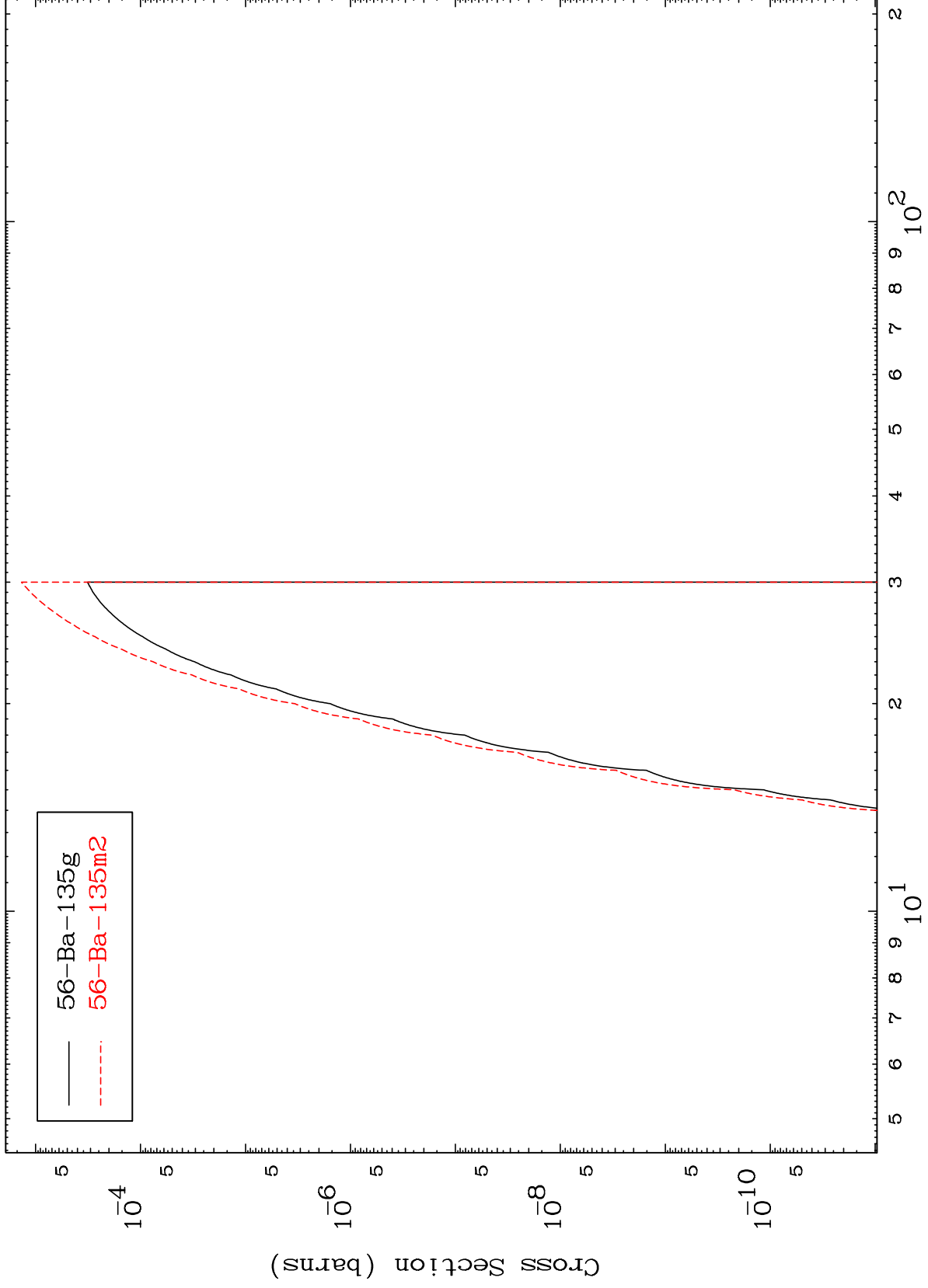


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(n,He-3)

58-Ce-137

Radionuclide Production Cross Section



24

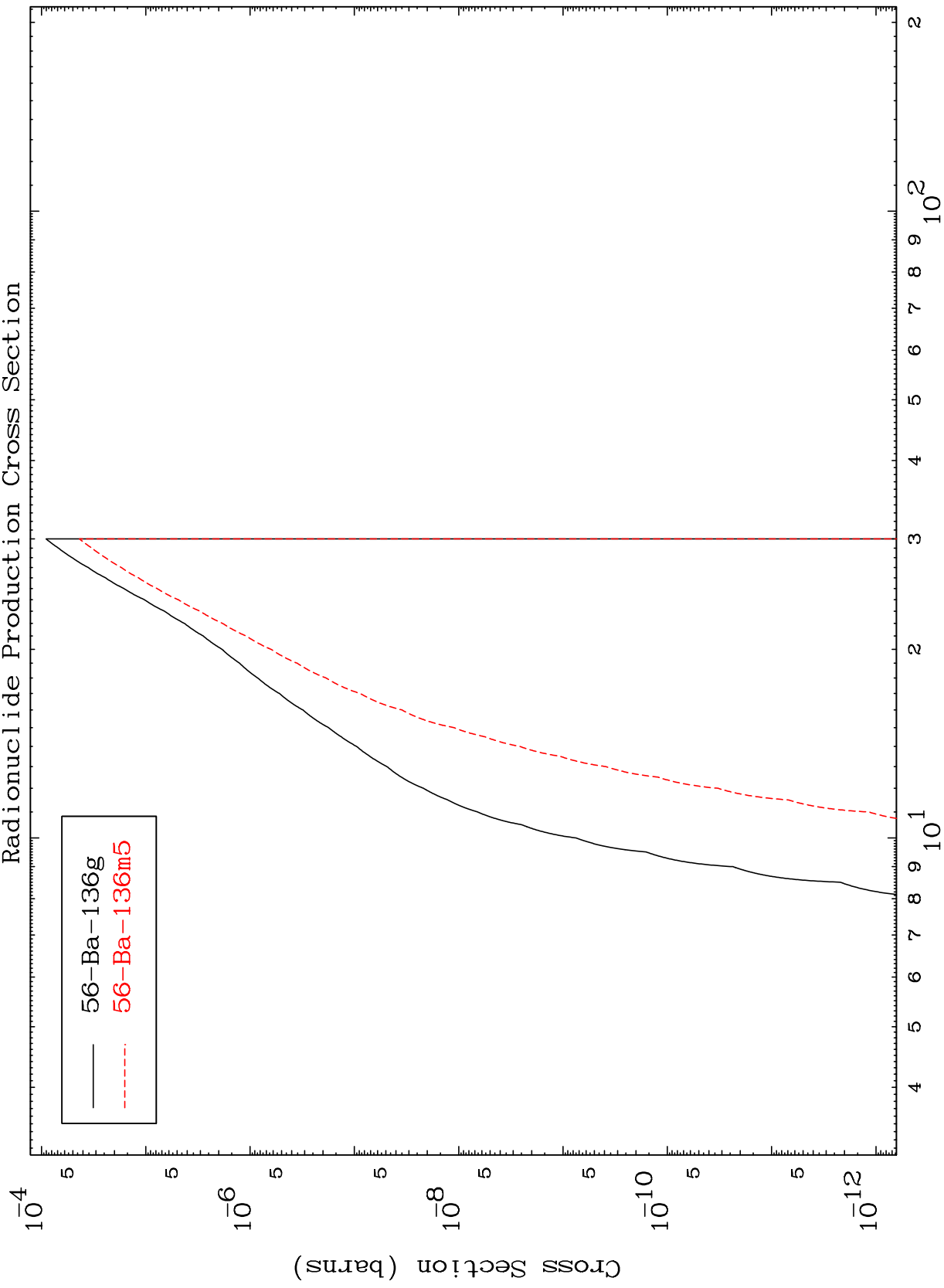
Incident Energy (MeV)

58-Ce-137

MAT 5829

58-Ce-137

(n,2p)
Radionuclide Production Cross Section



25

Incident Energy (MeV)

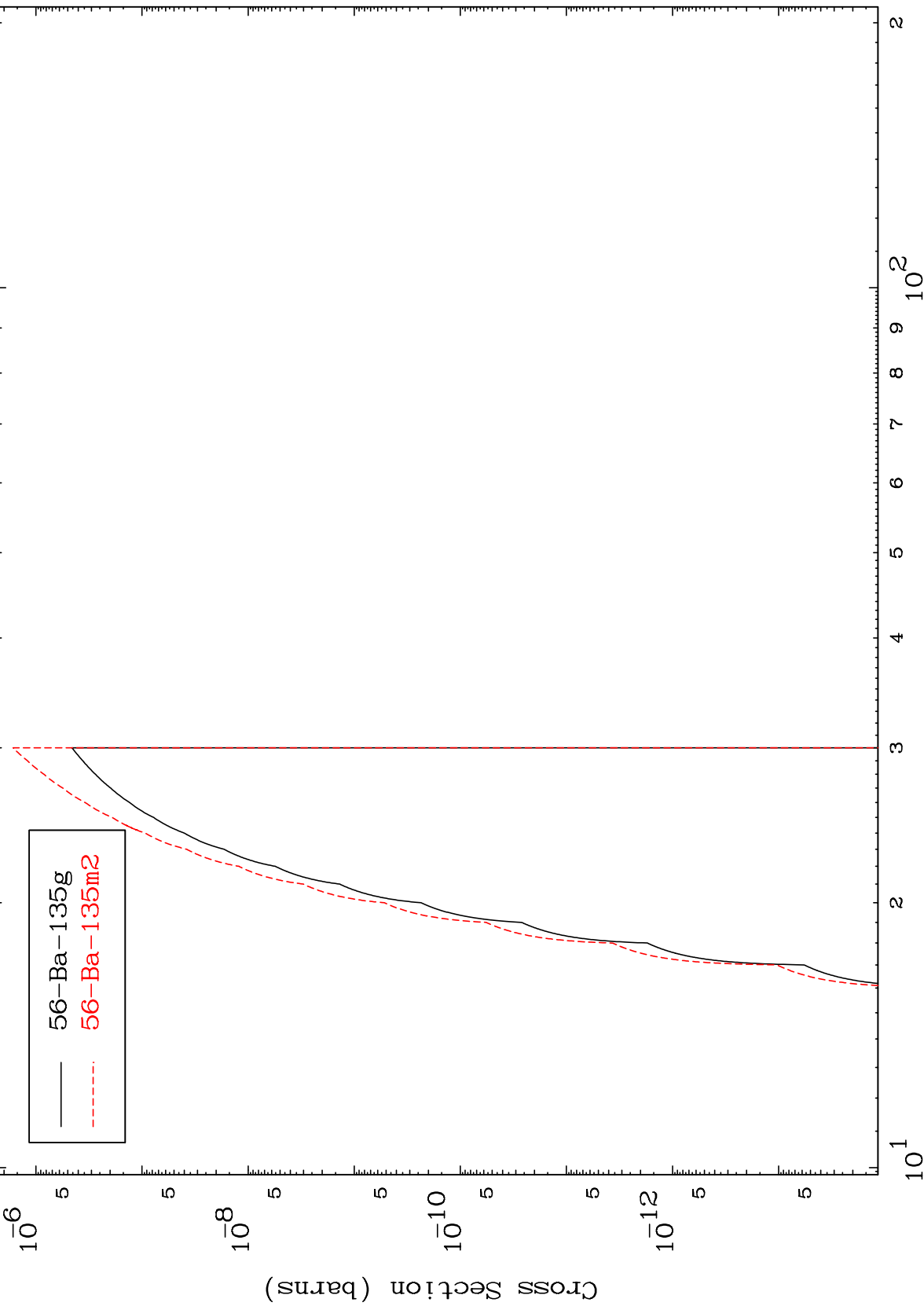
58-Ce-137

MAT 5829

(n,p) d

58-Ce-137

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-137

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