

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

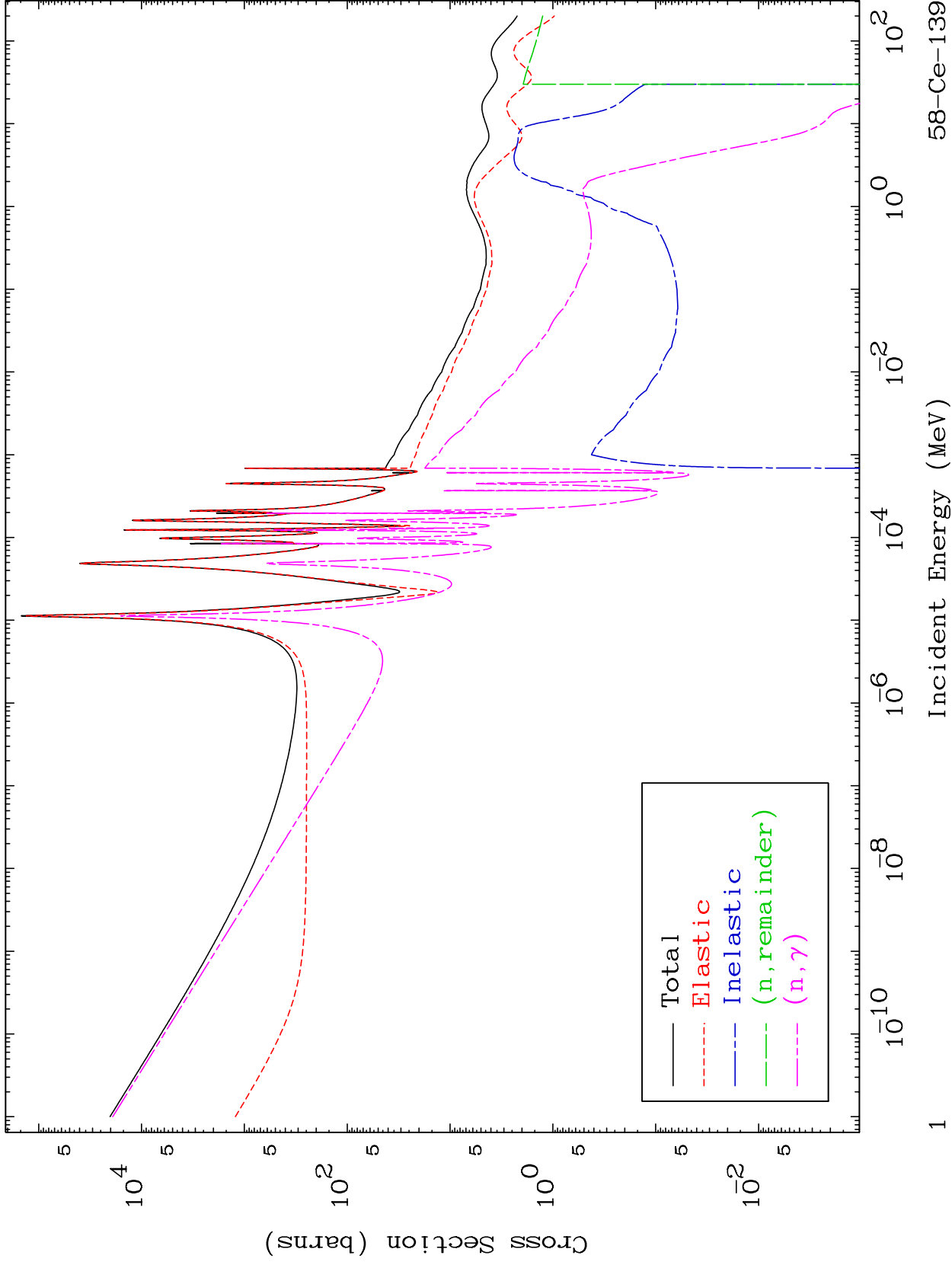
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5835

Major
293 Kelvin Cross Sections

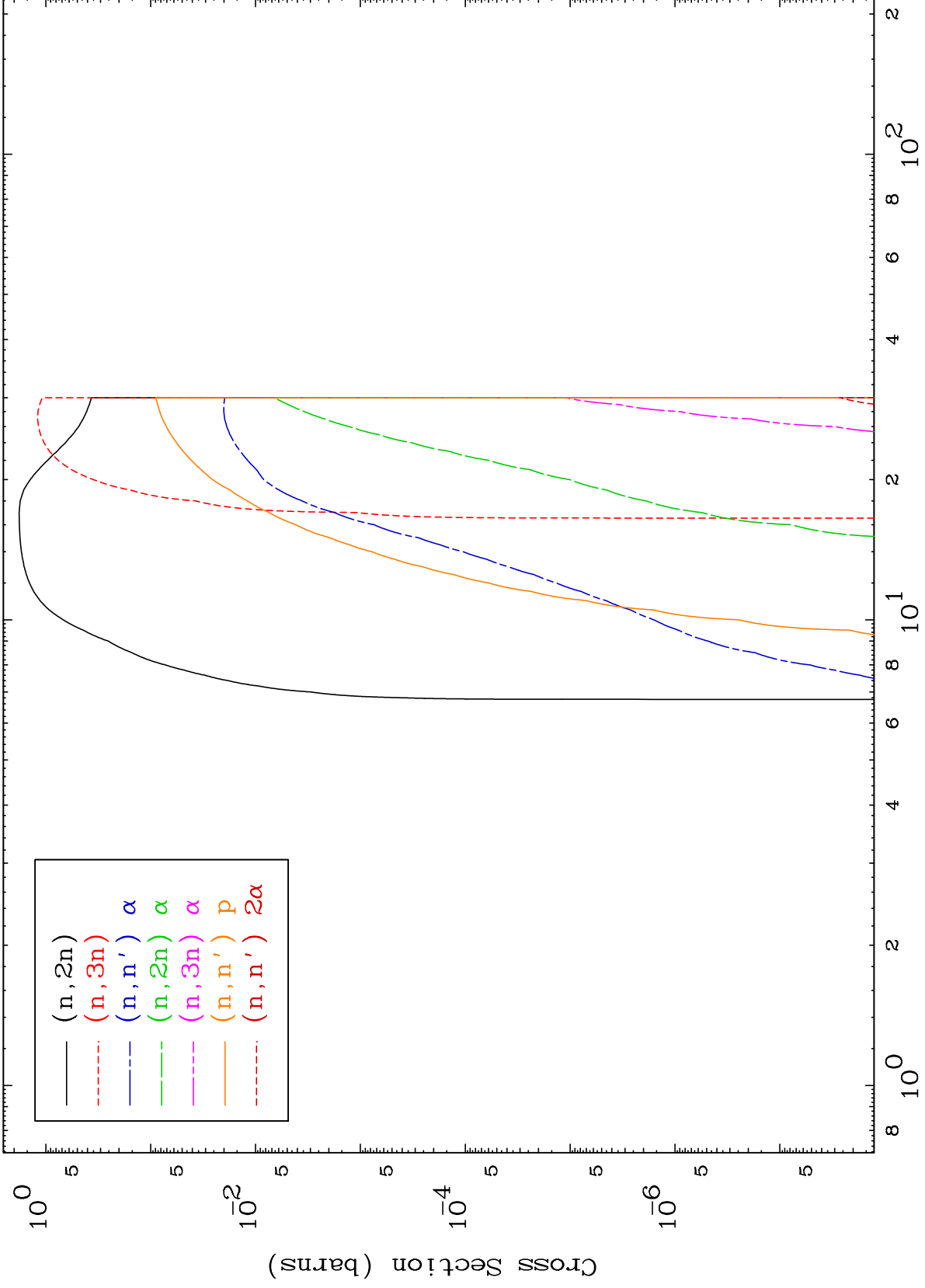
58-Ce-139



MAT 5835

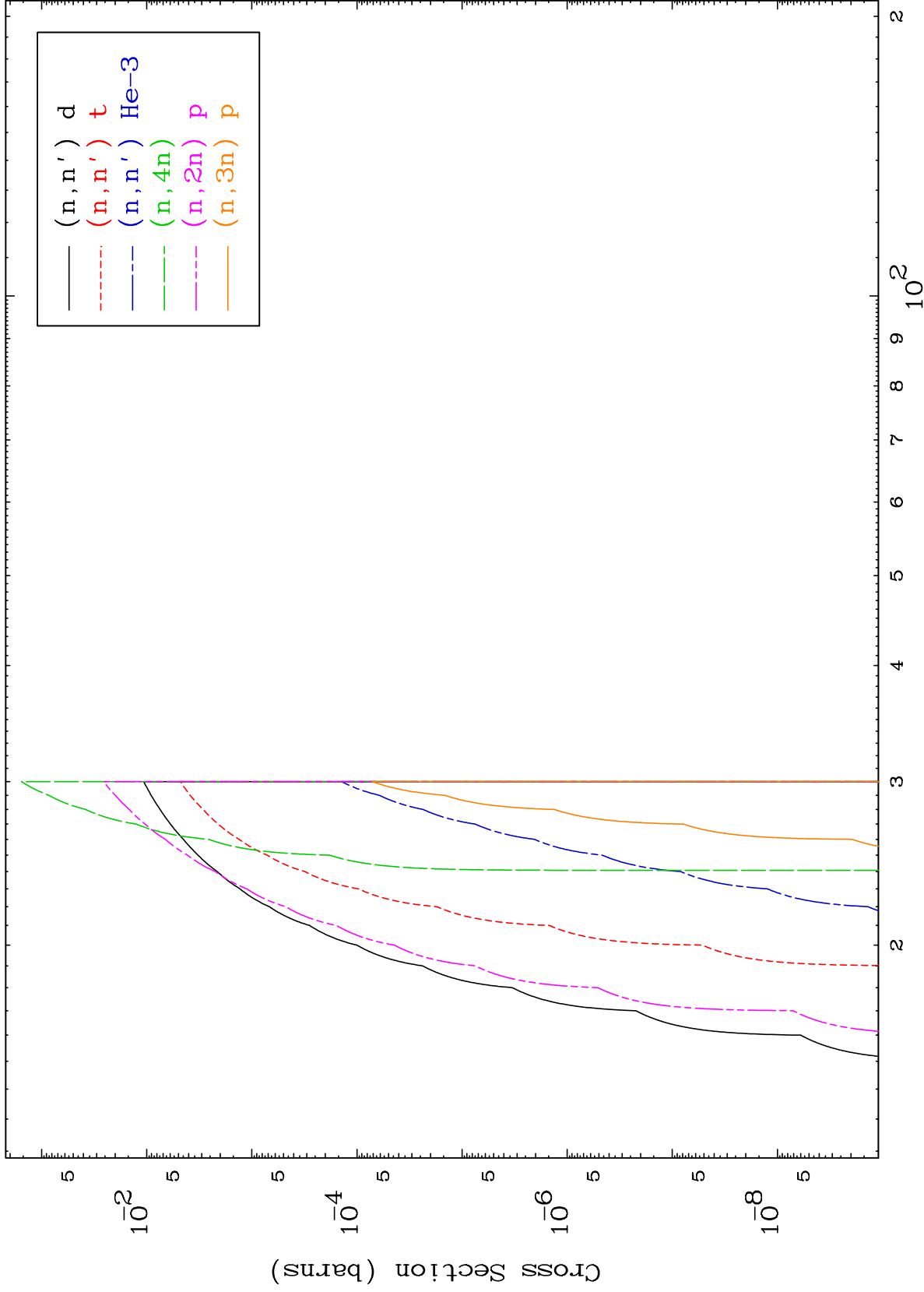
Neutron Production
293 Kelvin Cross Sections

58-Ce-139



Incident Energy (MeV)

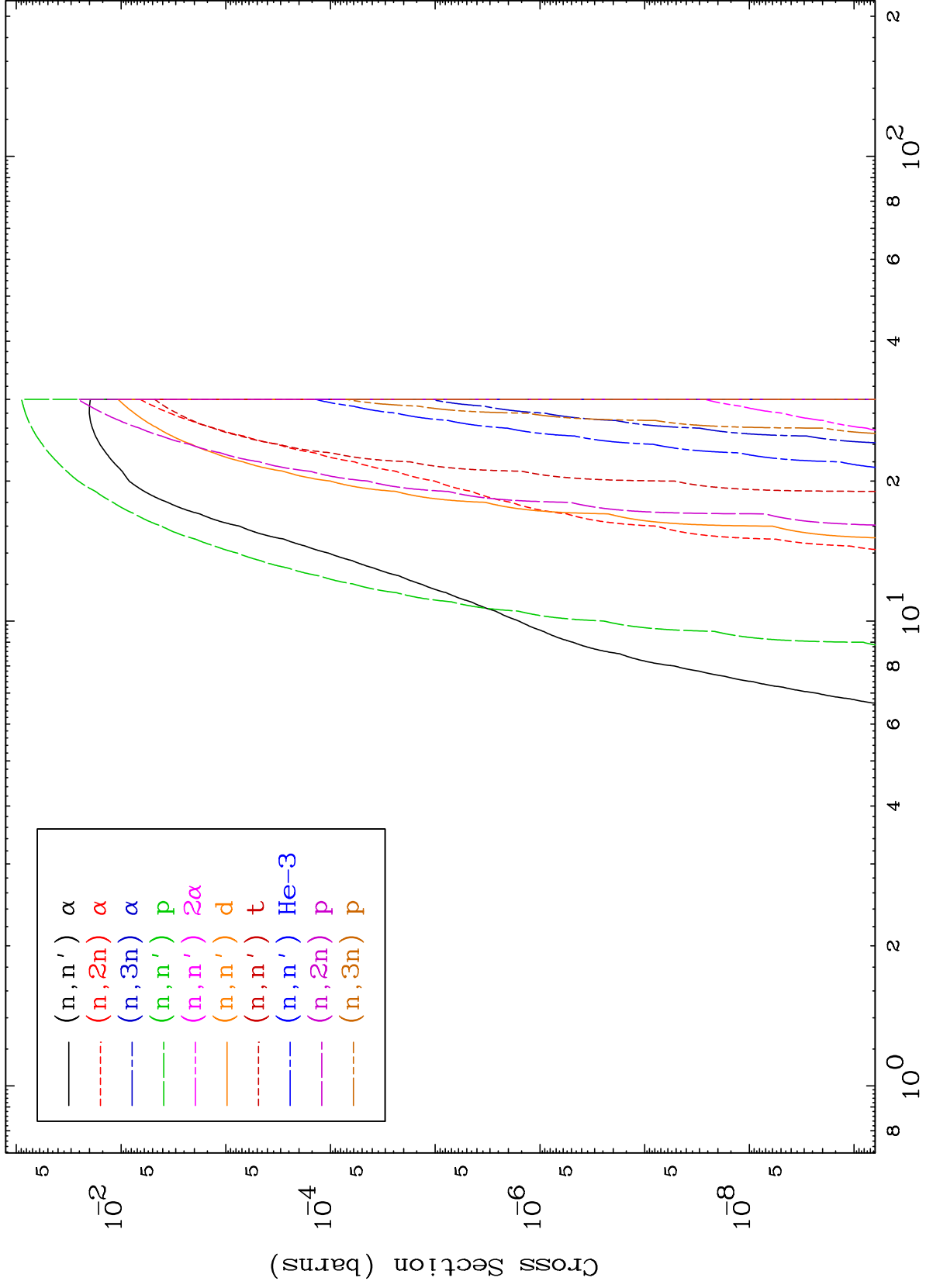
58-Ce-139



MAT 5835

Charged Particle
293 Kelvin Cross Sections

58-Ce-139



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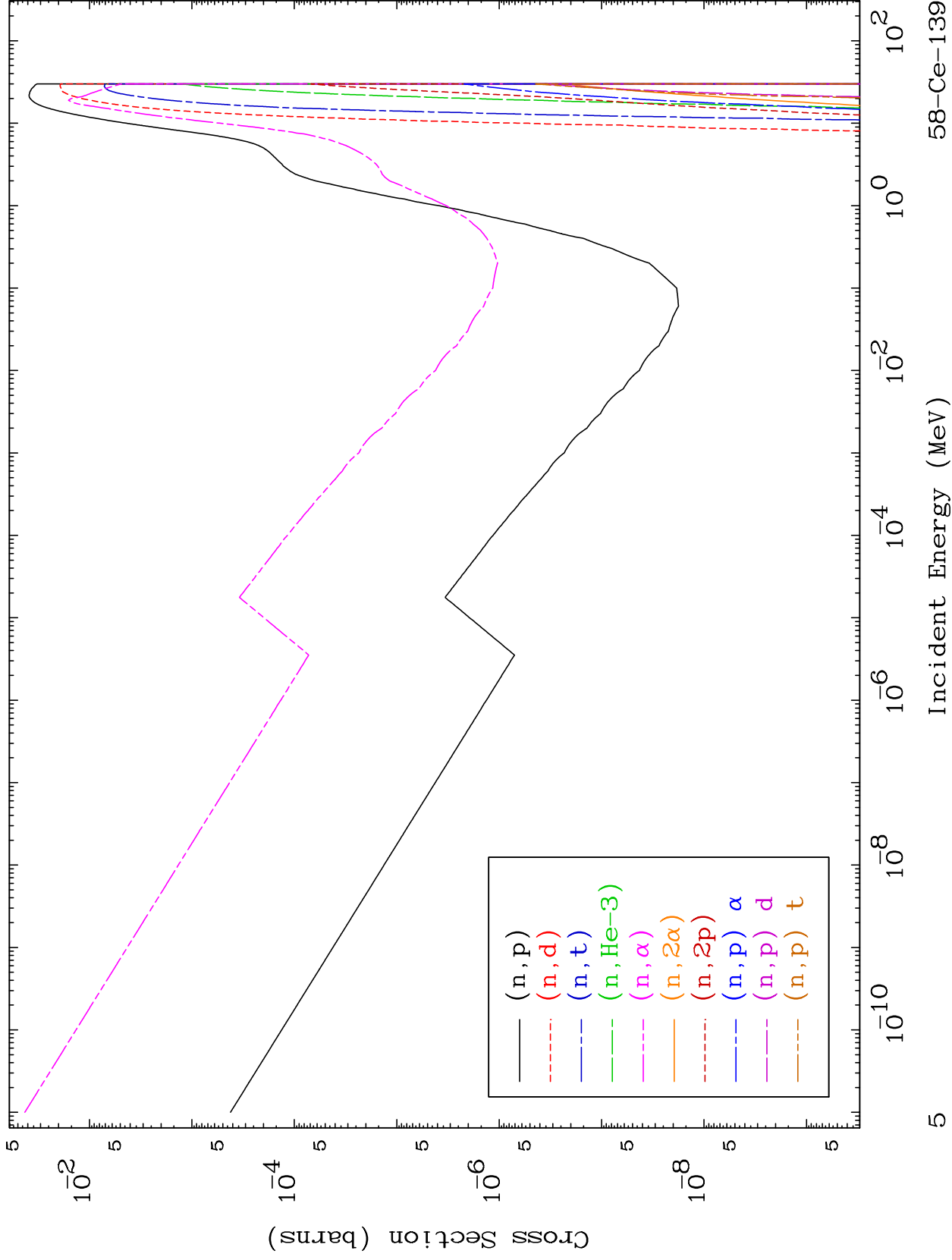
Incident Energy (MeV)

58-Ce-139

MAT 5835

Charged Particle
293 Kelvin Cross Sections

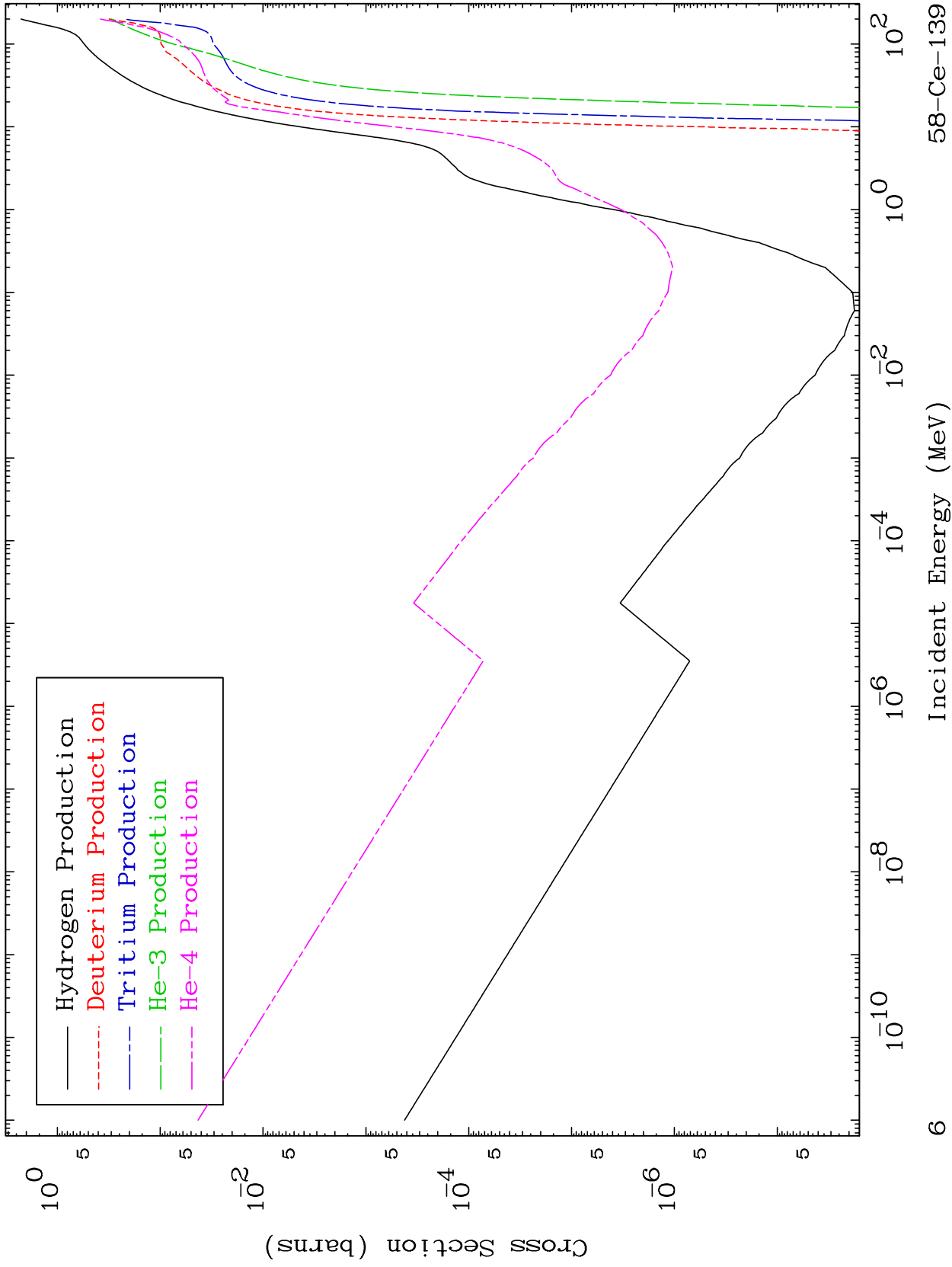
58-Ce-139



MAT 5835

Particle Production
293 Kelvin Cross Sections

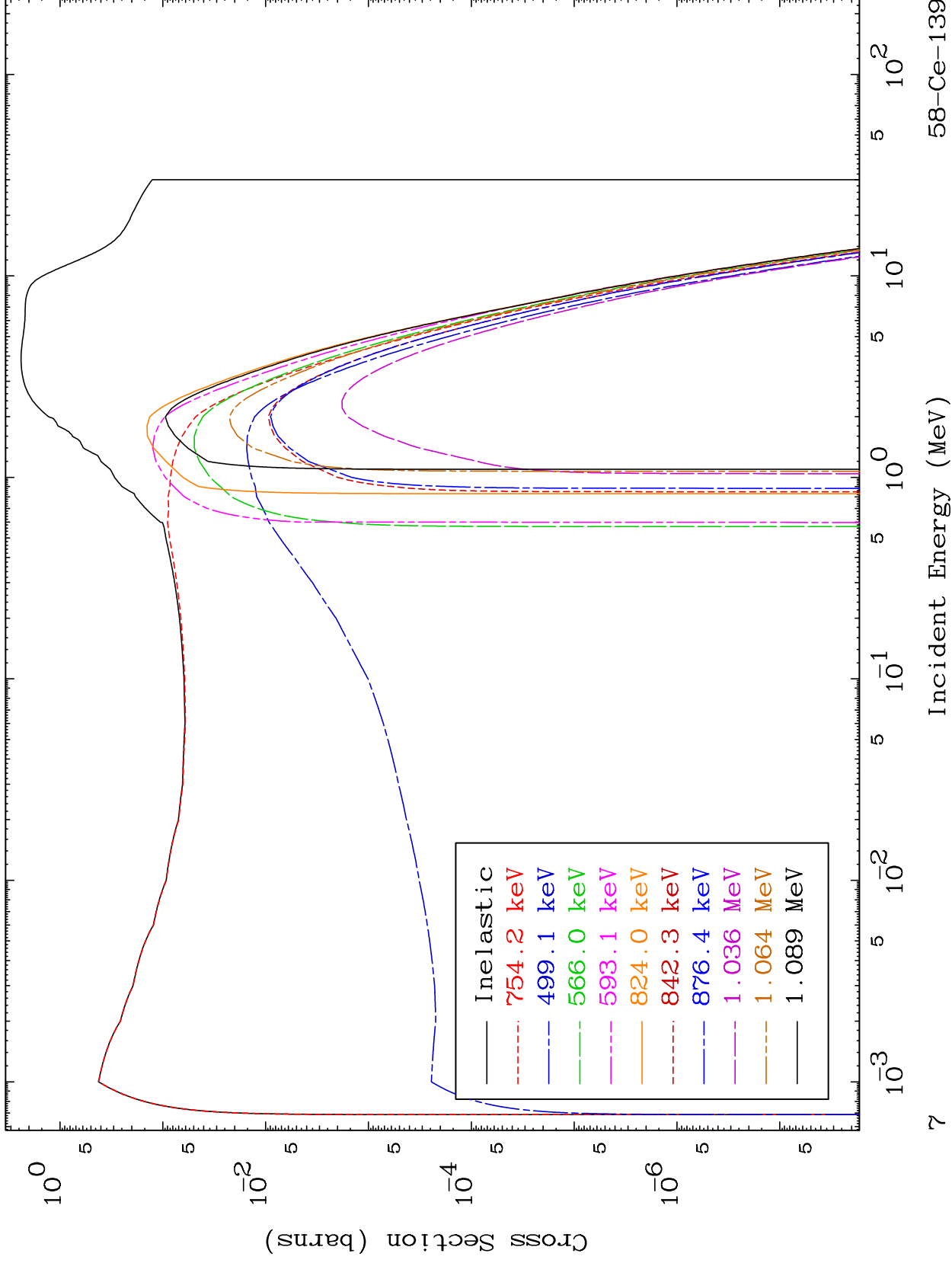
58-Ce-139



MAT 5835

(n,n') Level
293 Kelvin Cross Sections

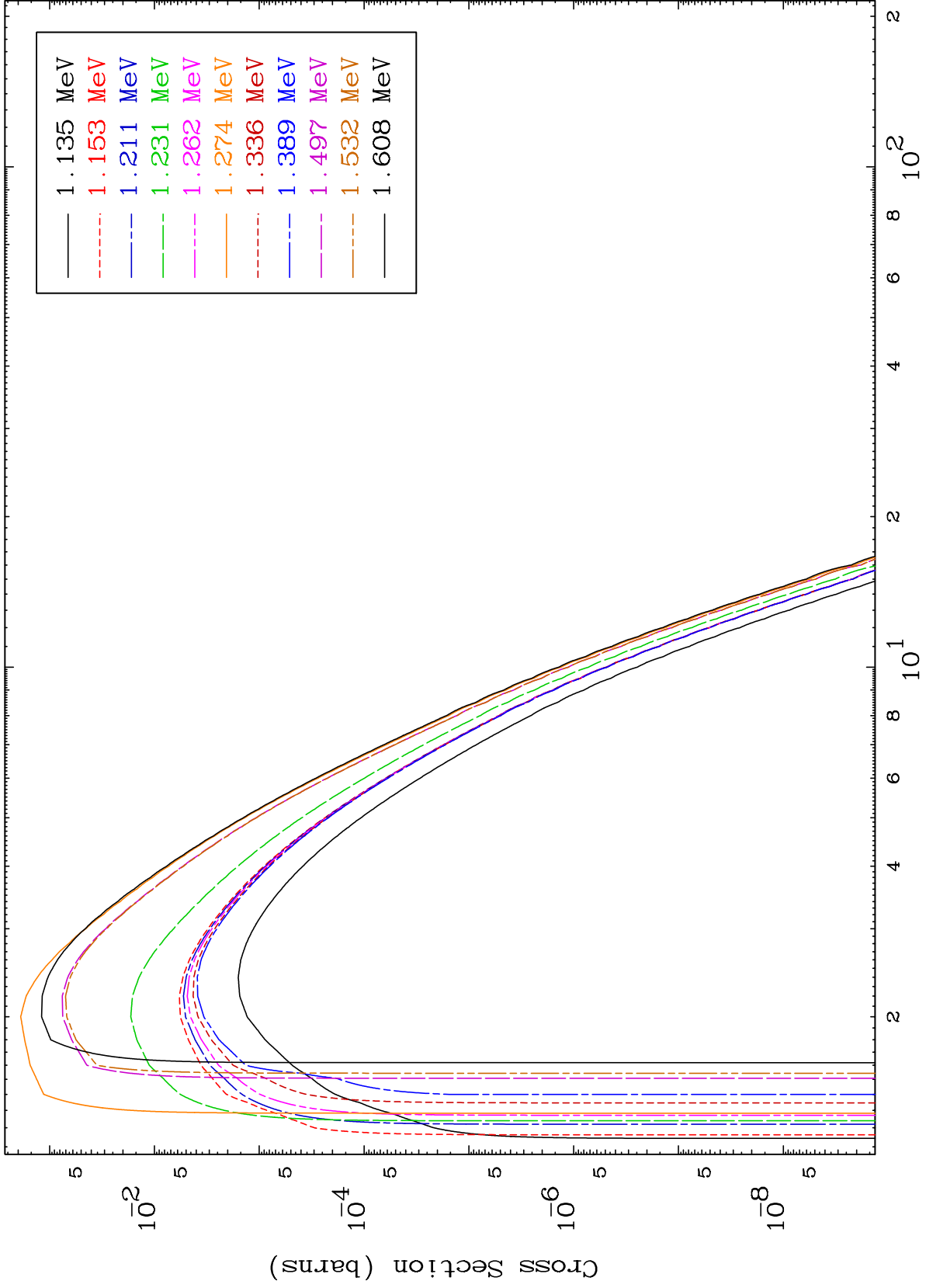
58-Ce-139



MAT 5835

(n,n') Level
293 Kelvin Cross Sections

58-Ce-139



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Incident Energy (MeV)

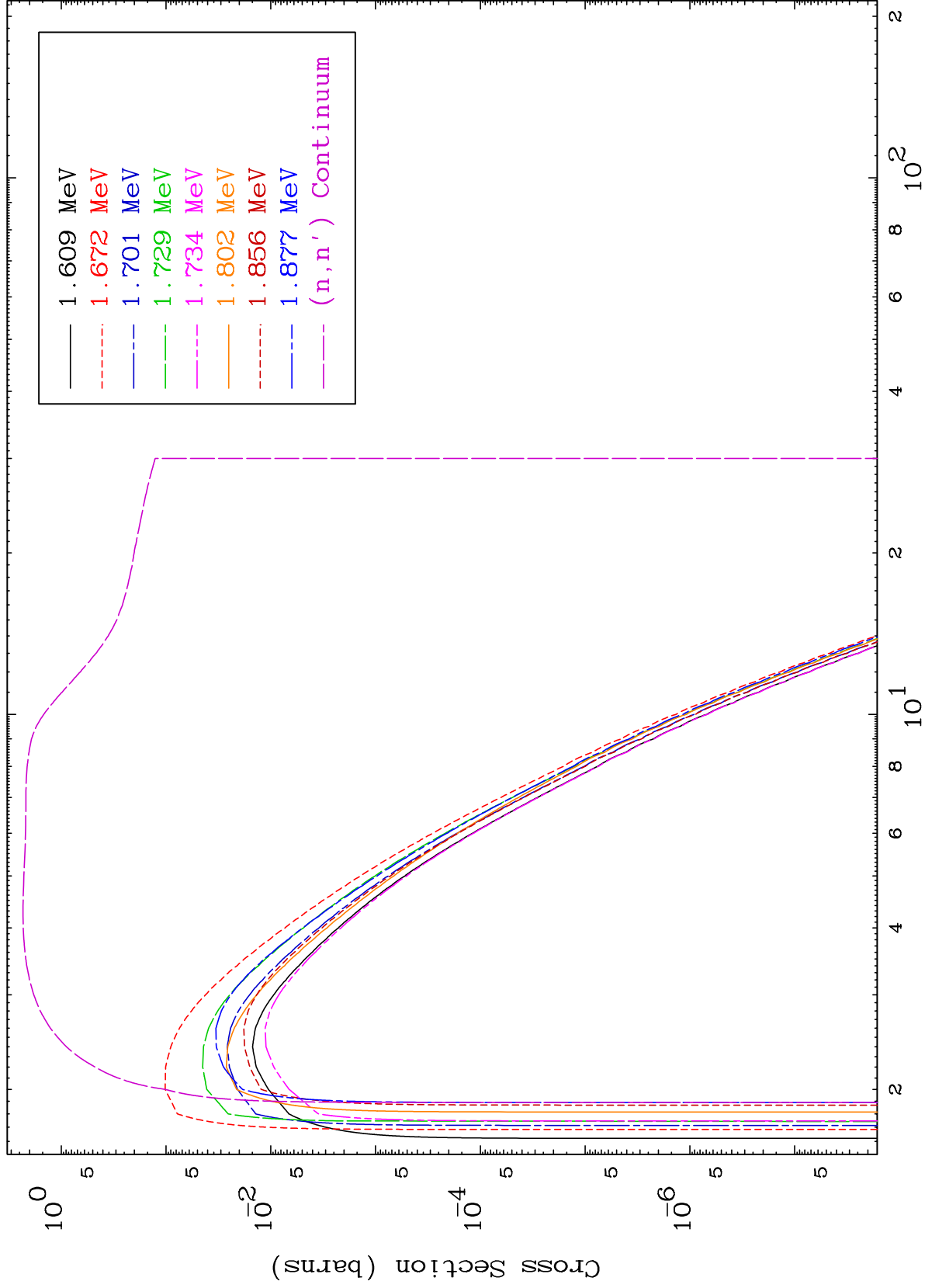
58-Ce-139

MAT 5835

(n,n') Level

58-Ce-139

293 Kelvin Cross Sections



9

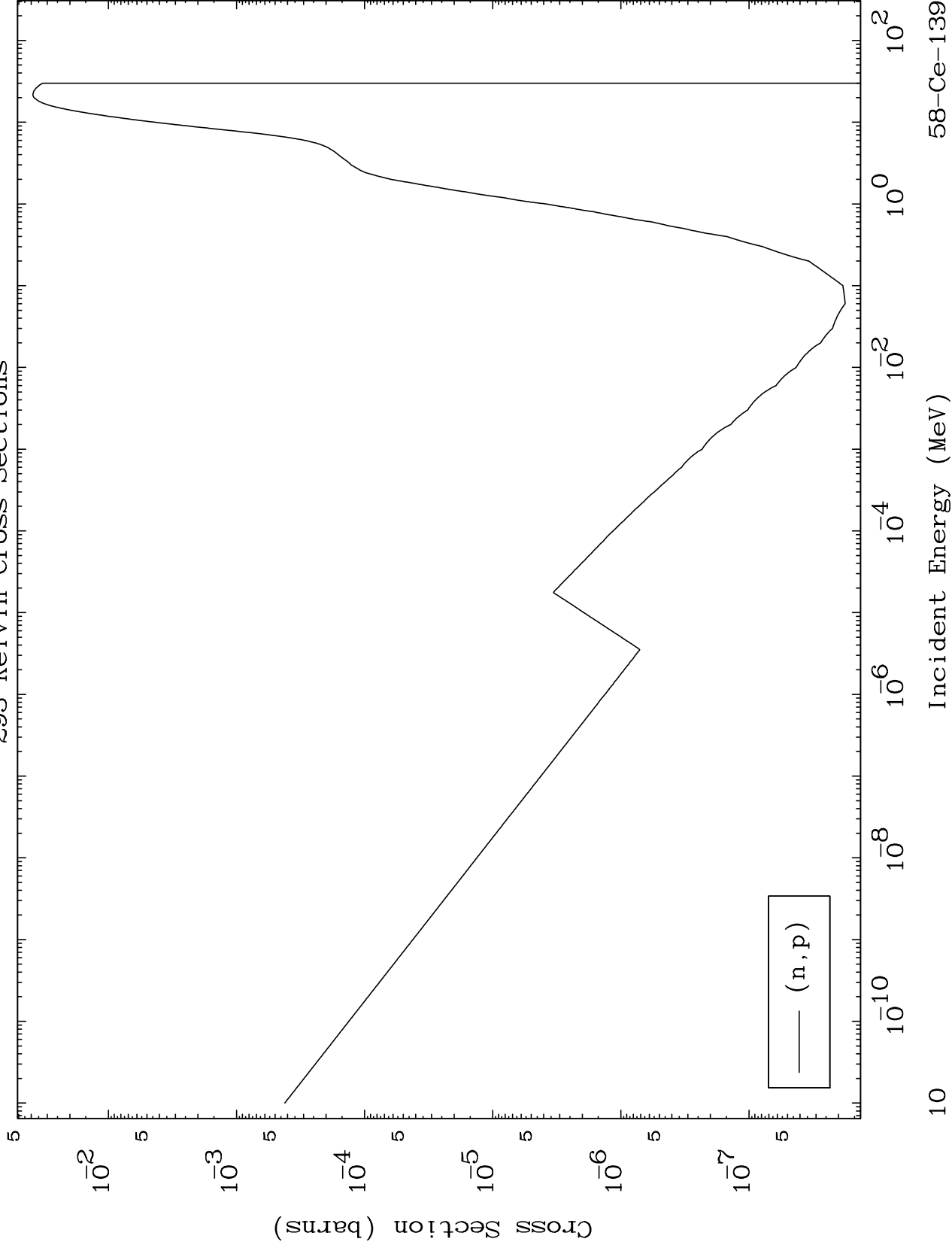
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n,p) Levels
293 Kelvin Cross Sections

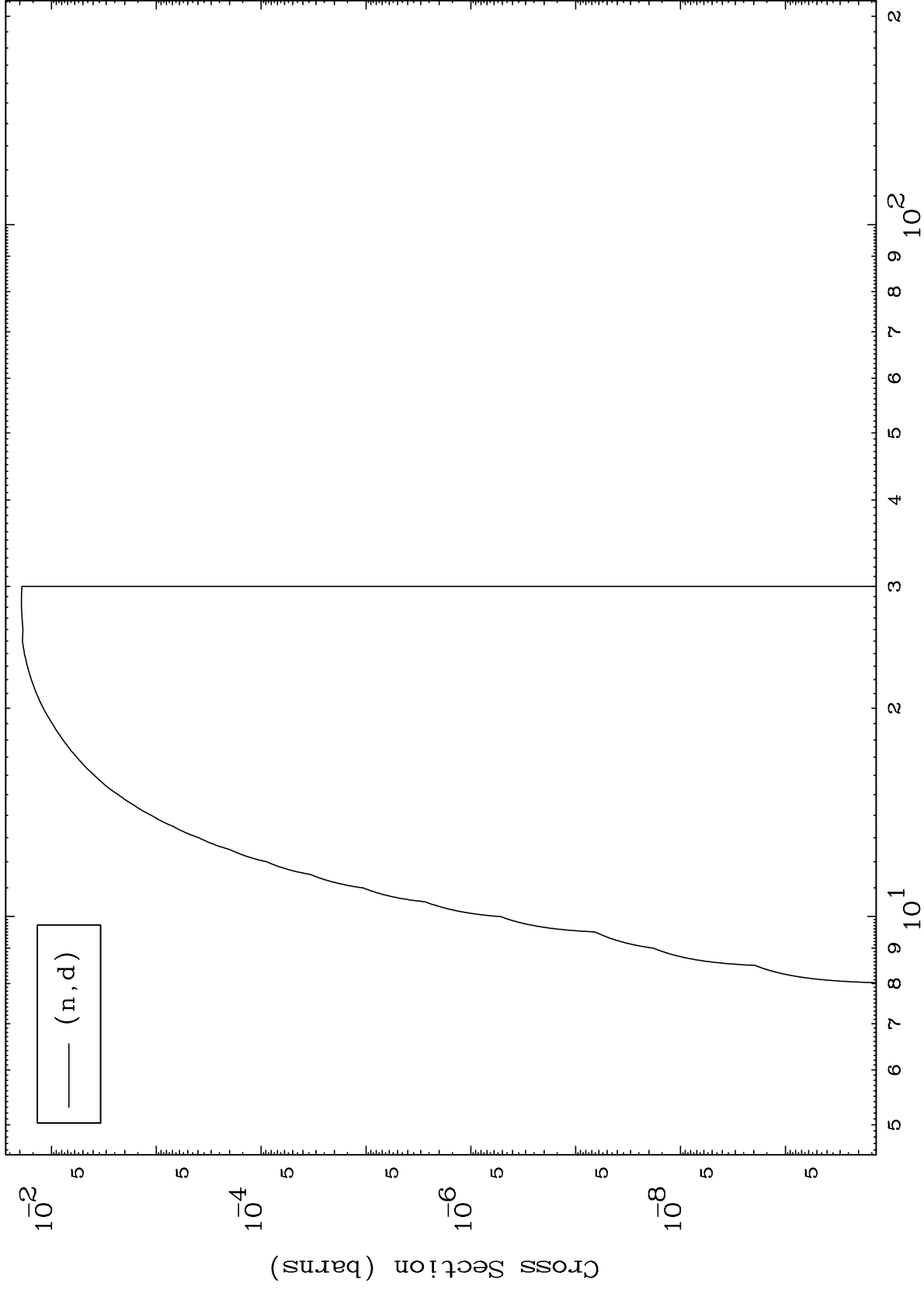
58-Ce-139



MAT 5835

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-139



11

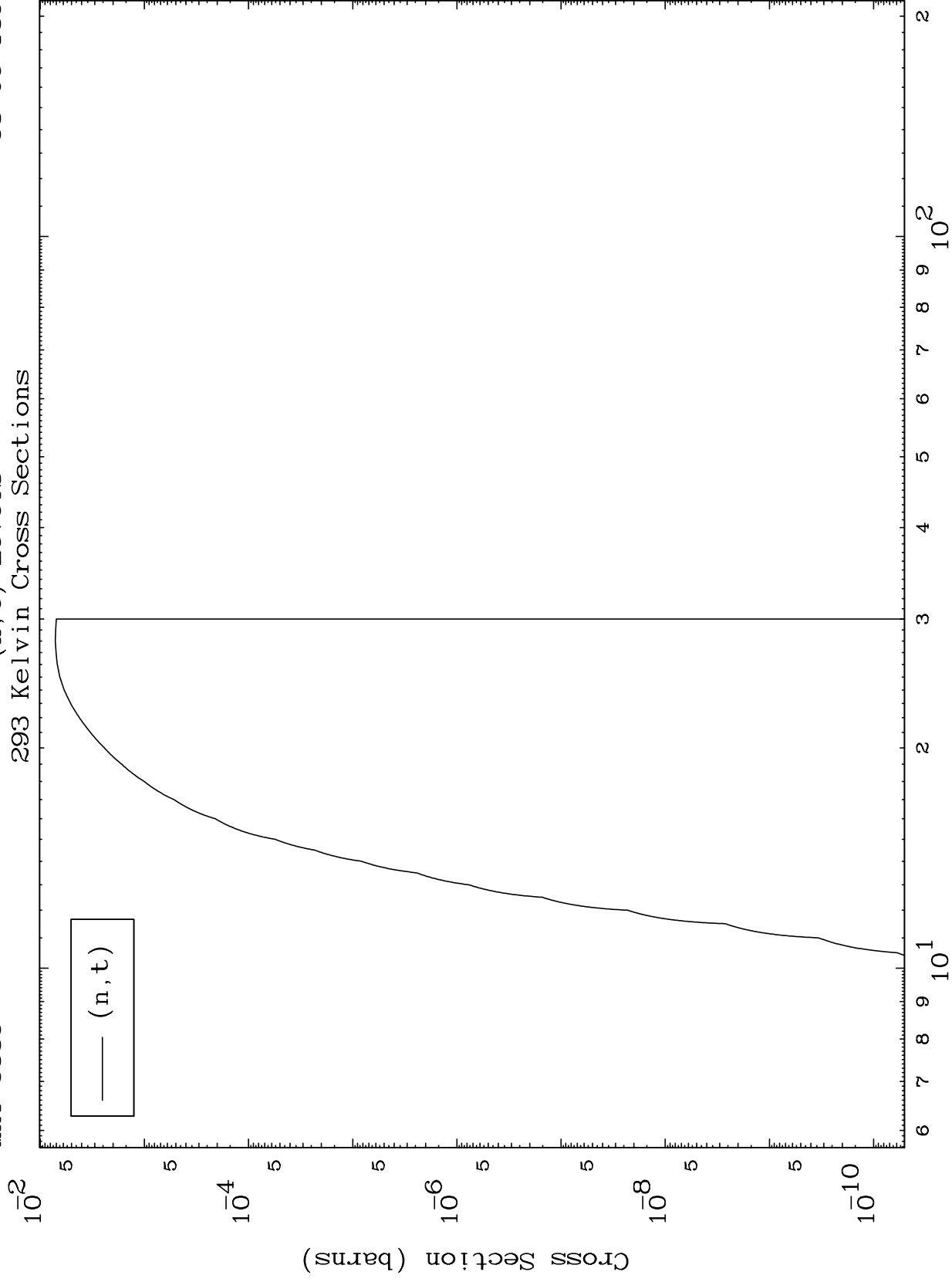
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n, t) Levels
293 Kelvin Cross Sections

58-Ce-139



12

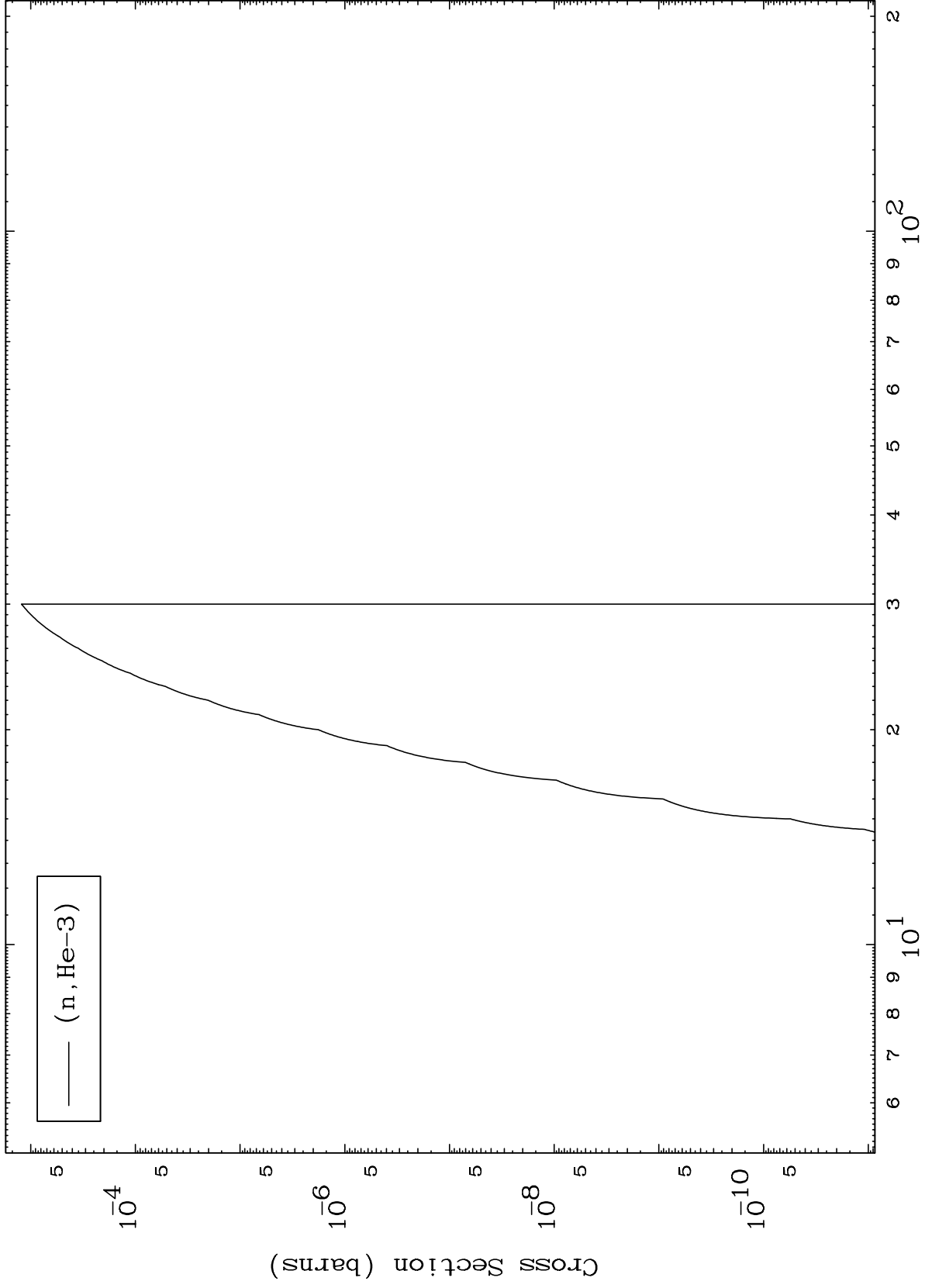
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-139



13

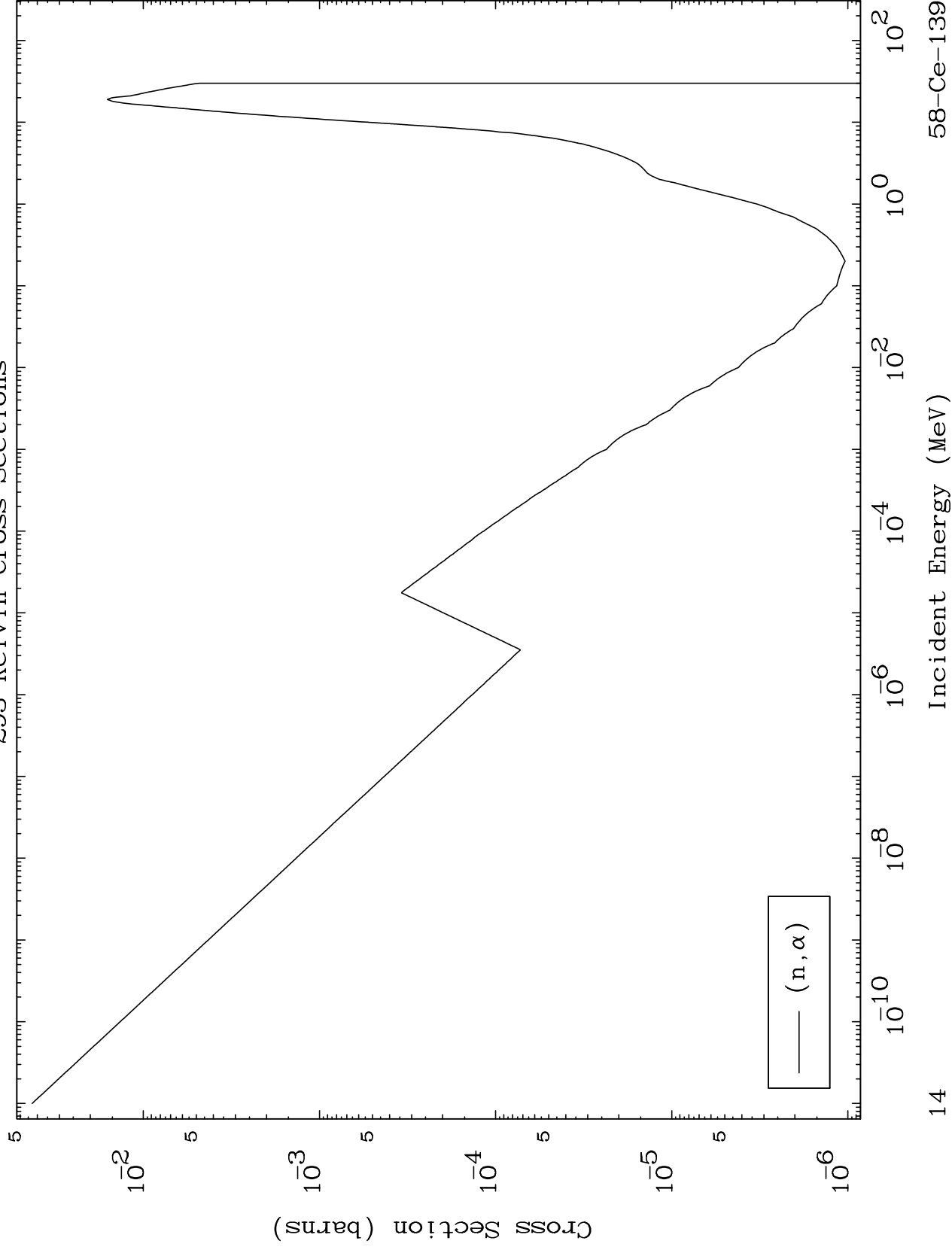
Incident Energy (MeV)

58-Ce-139

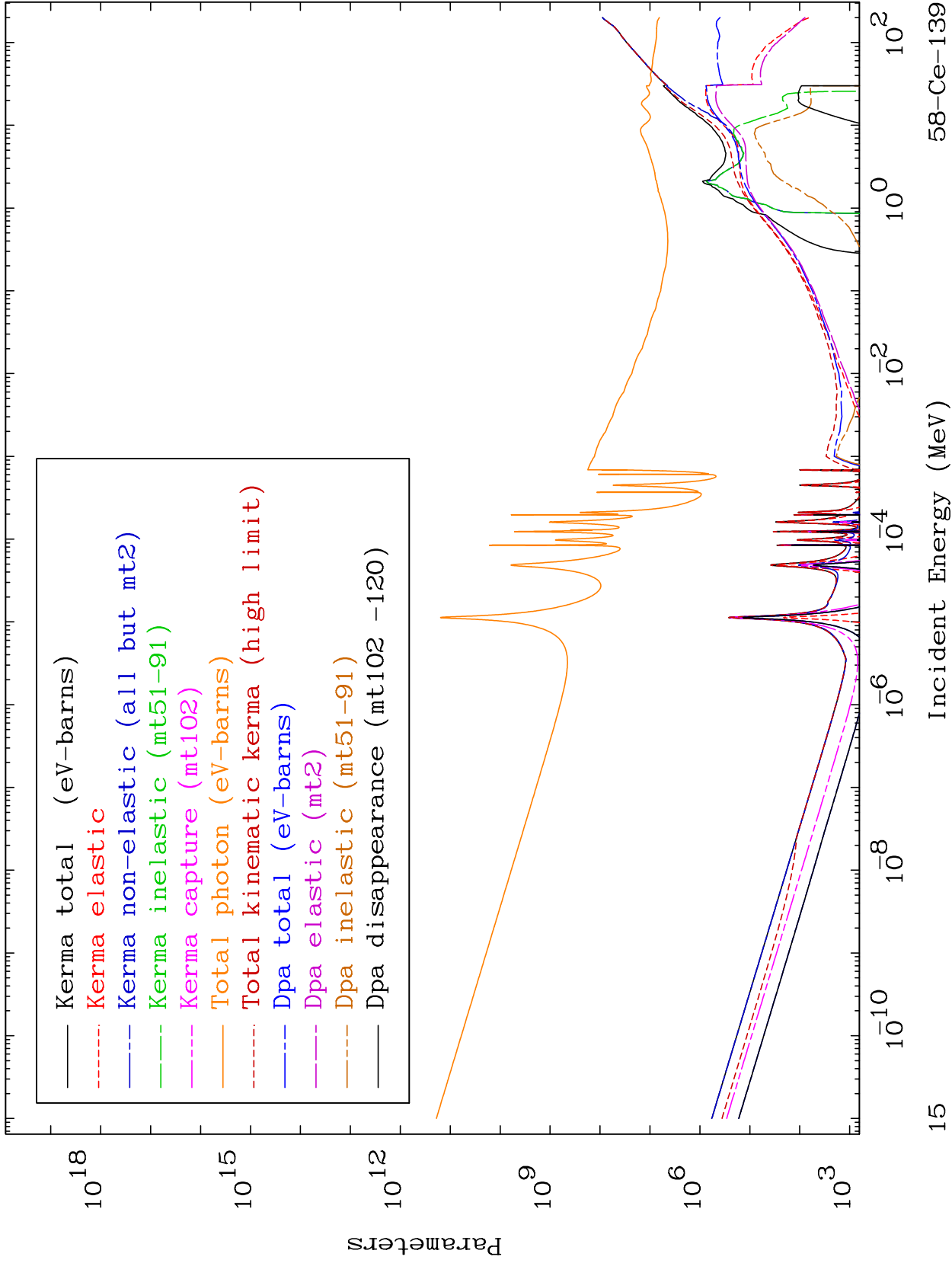
MAT 5835

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-139



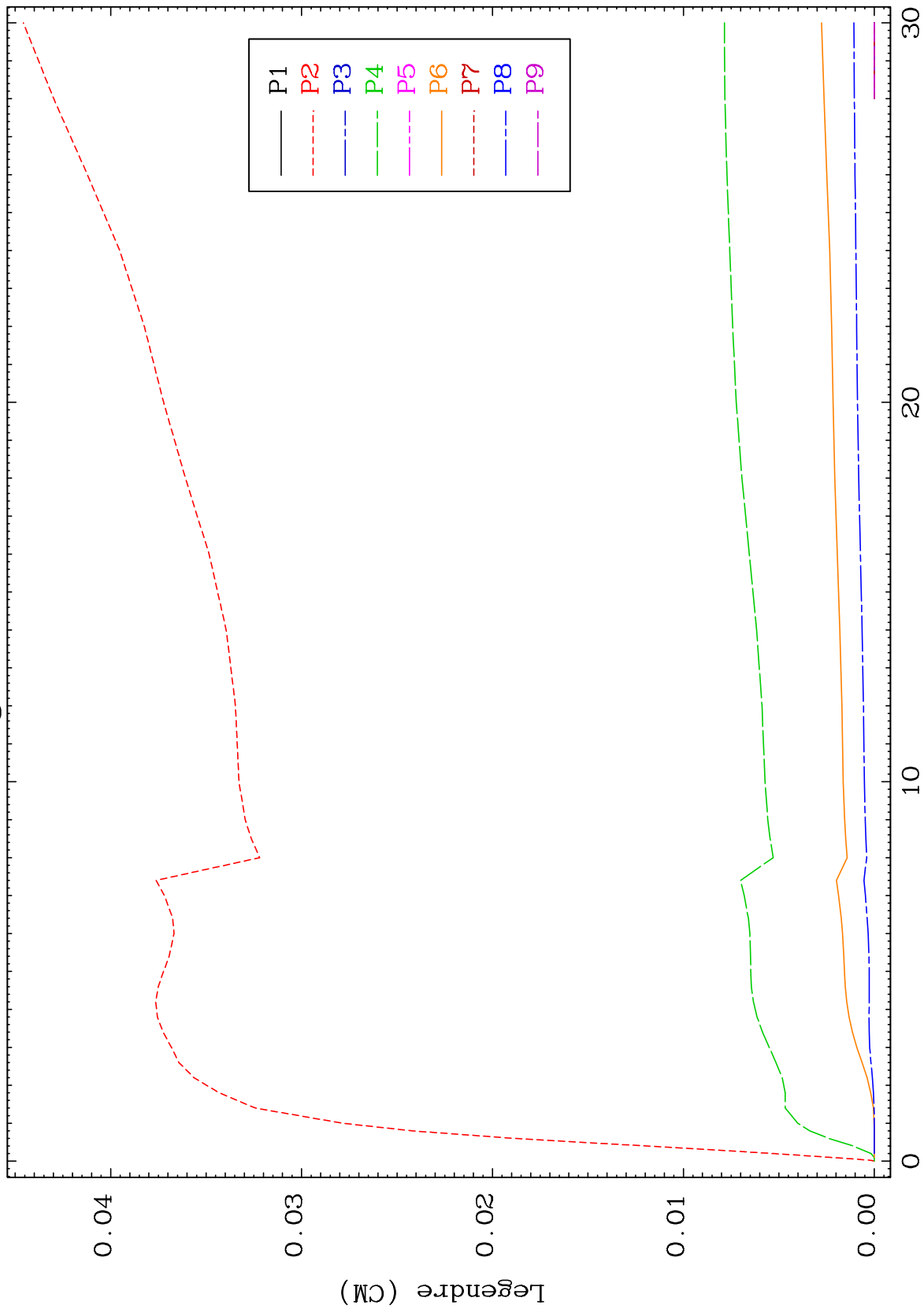
14



MAT 5835

Elastic
Legendre Coefficients

58-Ce-139



16

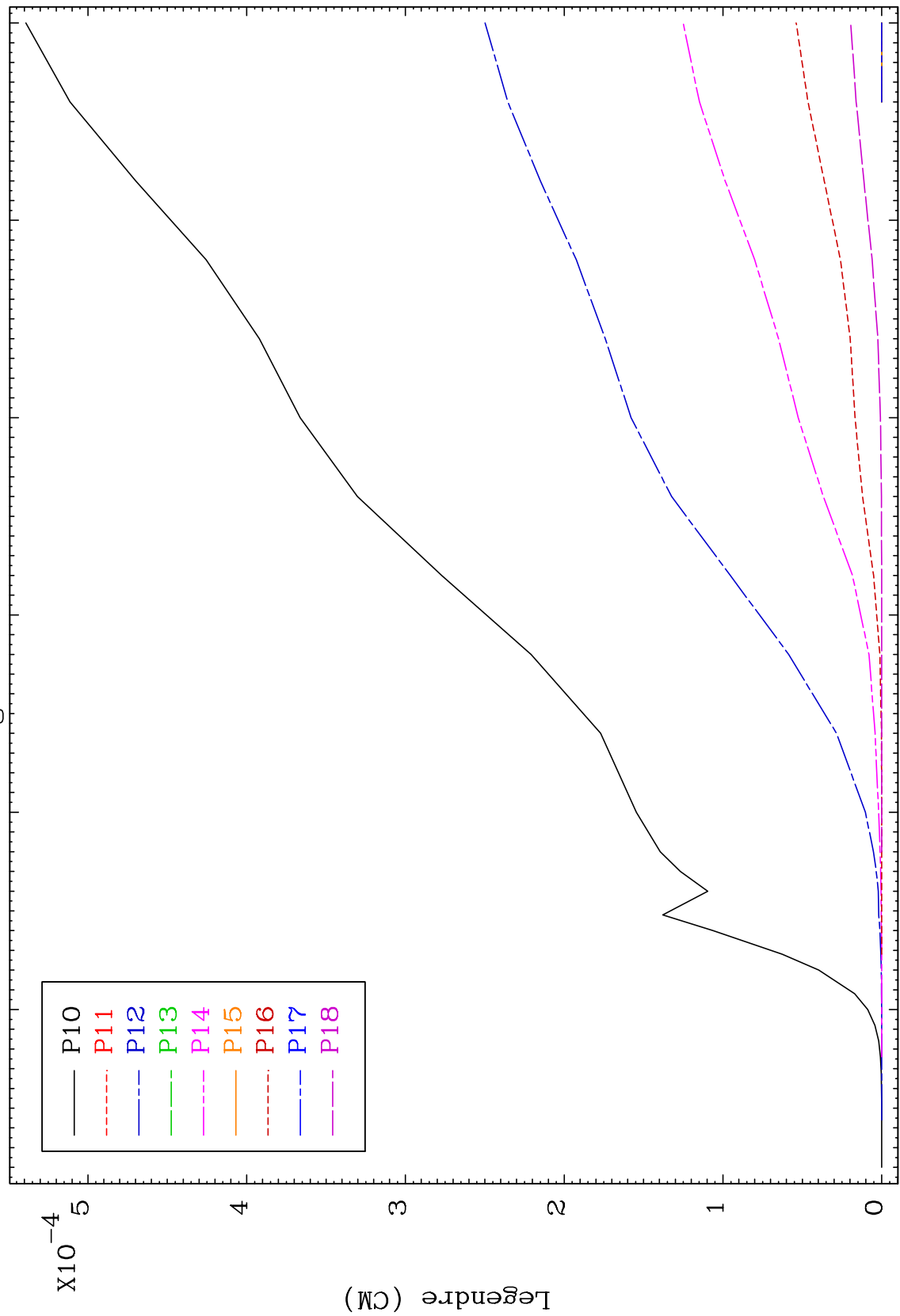
Incident Energy (MeV)

58-Ce-139

MAT 5835

Elastic Legendre Coefficients

58-Ce-139



17

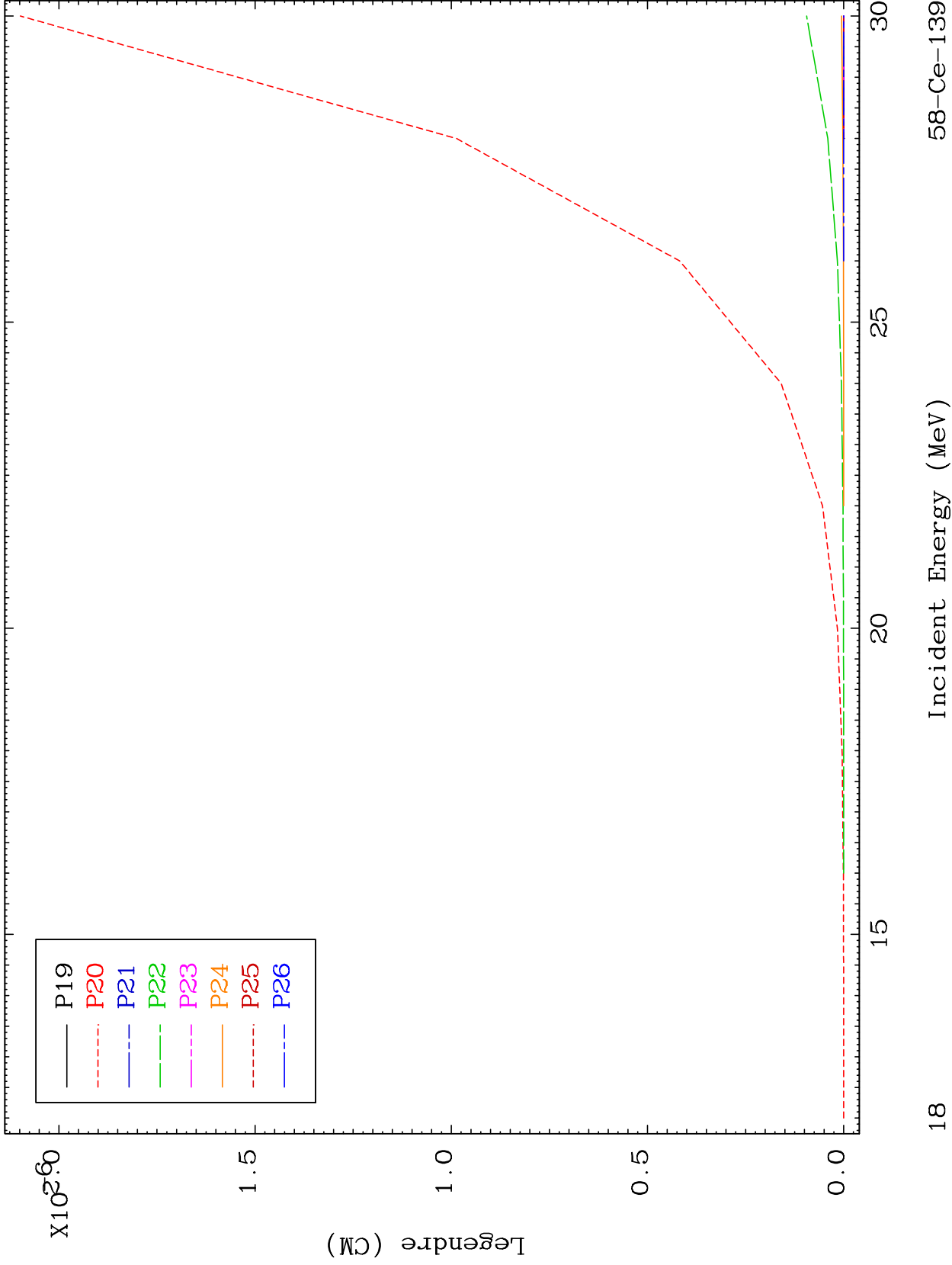
Incident Energy (MeV)

58-Ce-139

MAT 5835

Elastic
Legendre Coefficients

58-Ce-139



18

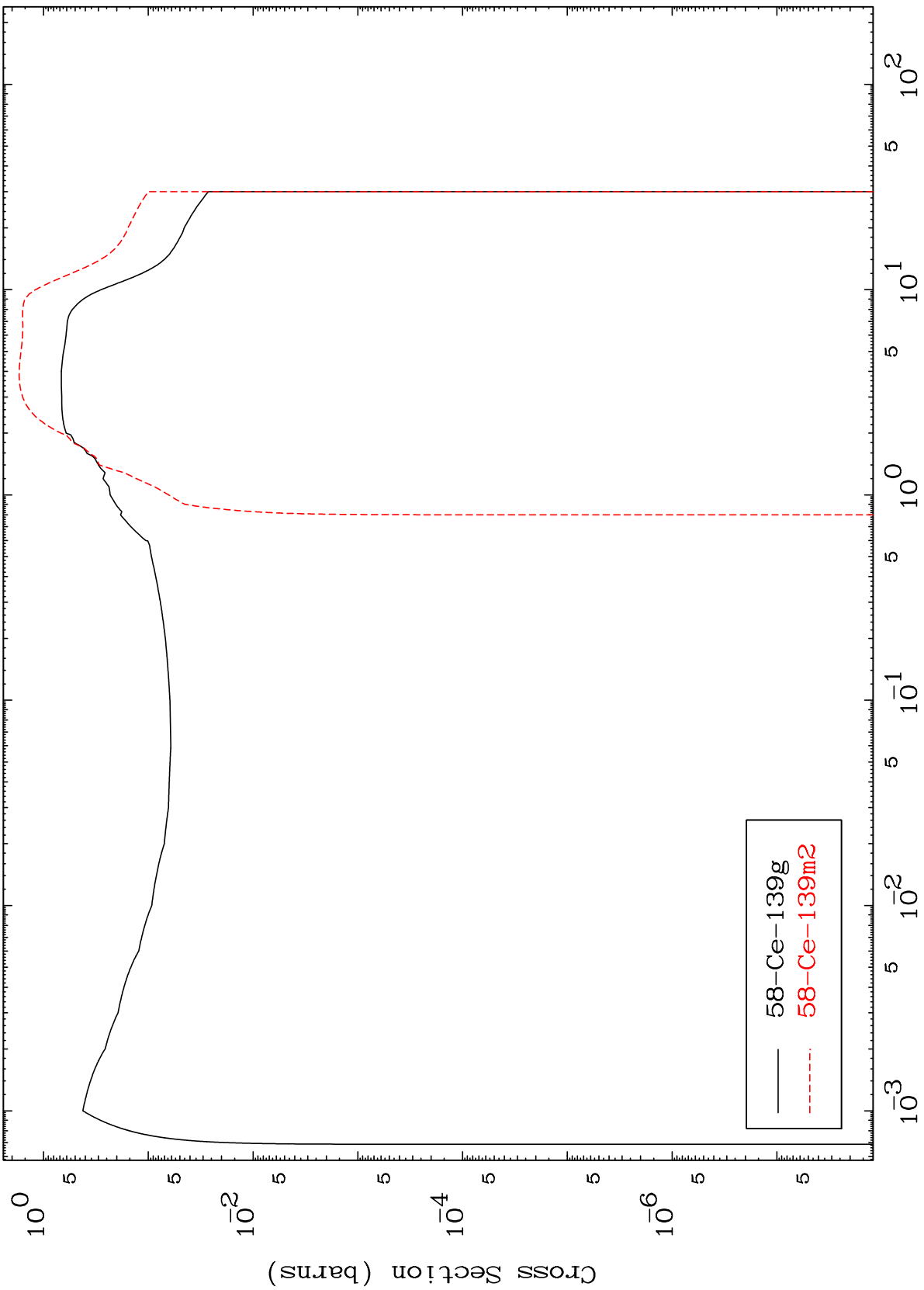
Incident Energy (MeV)

58-Ce-139

MAT 5835

58-Ce-139

Inelastic
Radionuclide Production Cross Section



— 58-Ce-139g
- - - 58-Ce-139m2

58-Ce-139

Incident Energy (MeV)

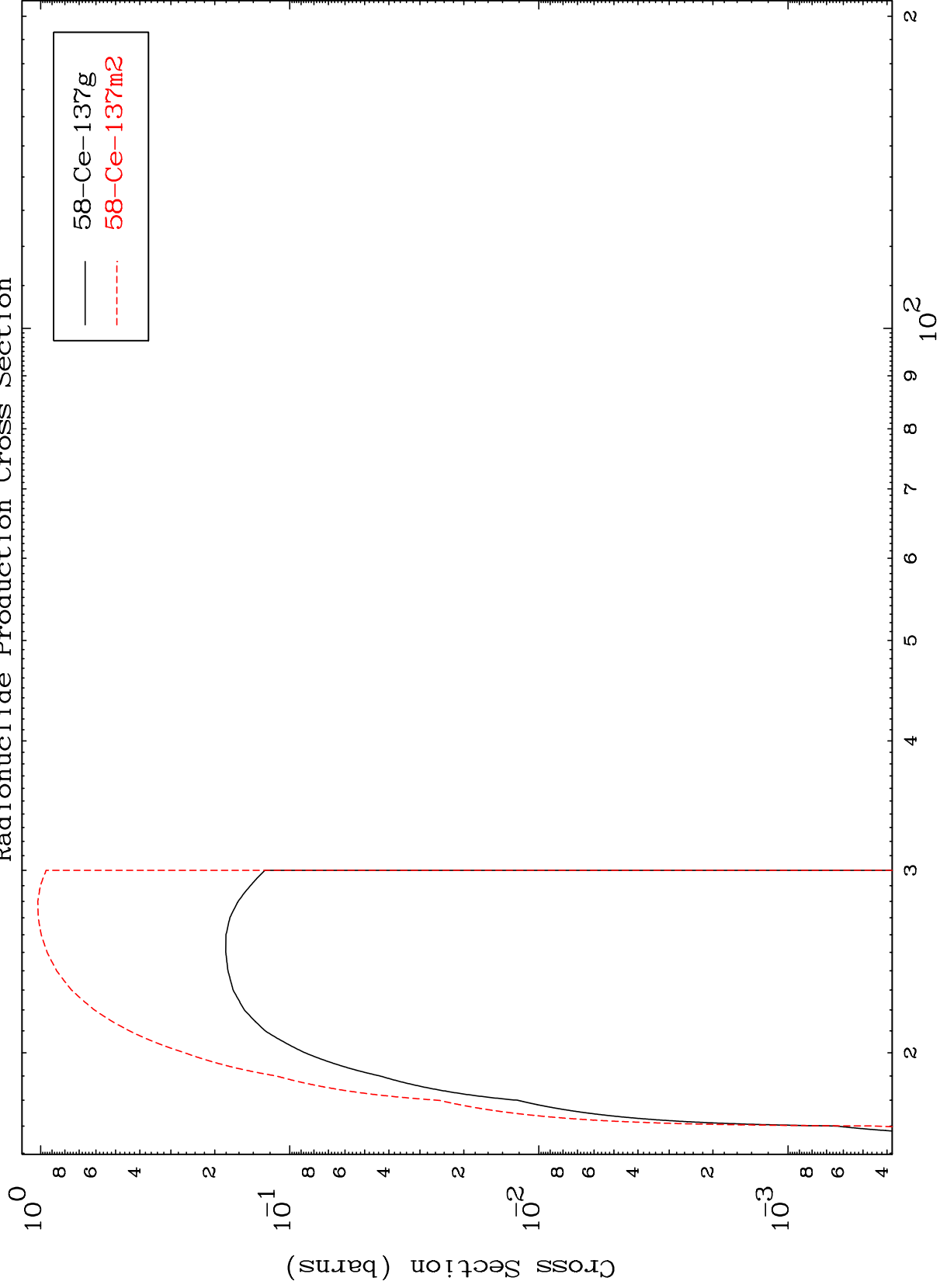
19

MAT 5835

(n,3n)

58-Ce-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

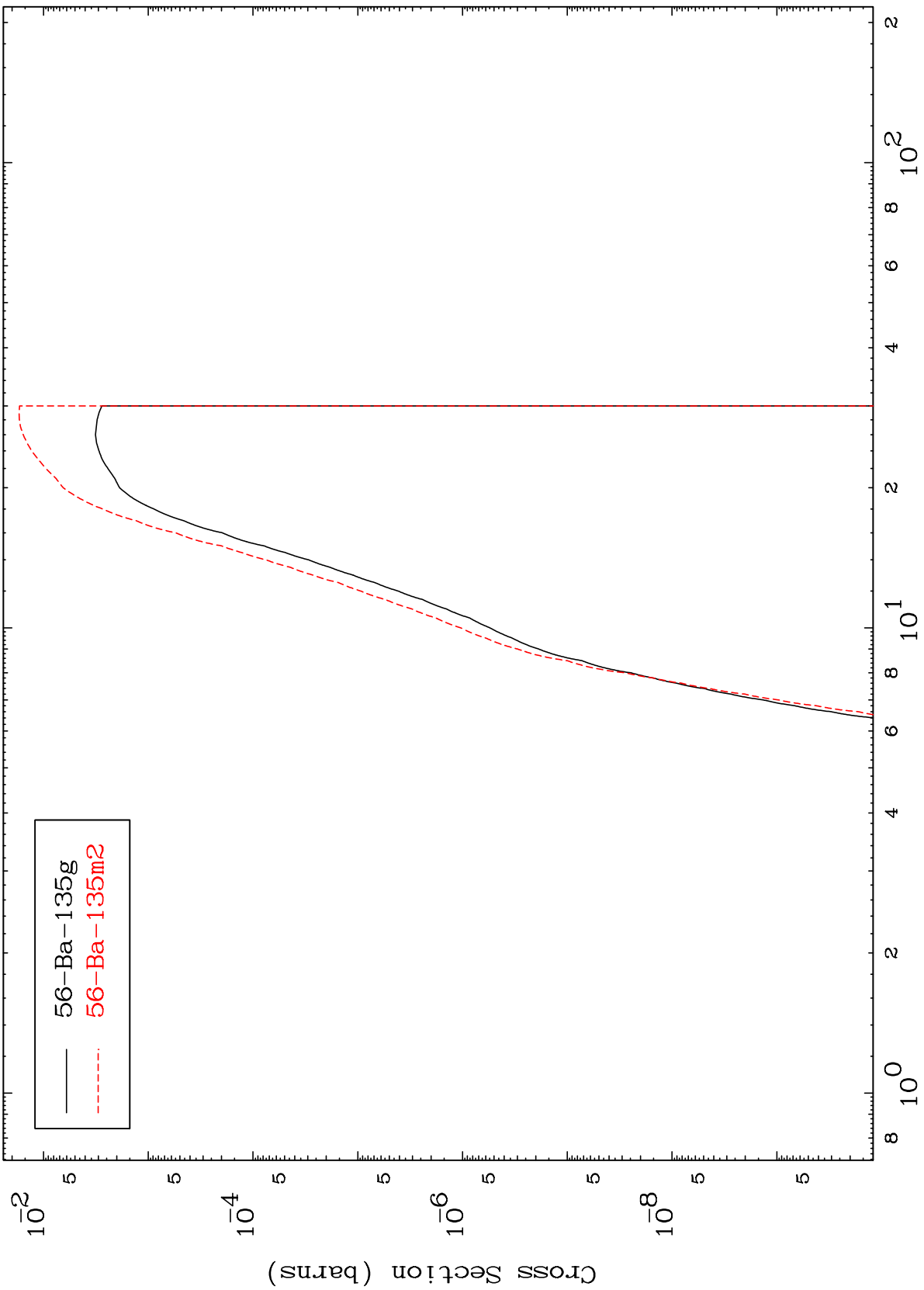
58-Ce-139

MAT 5835

(n,n') α

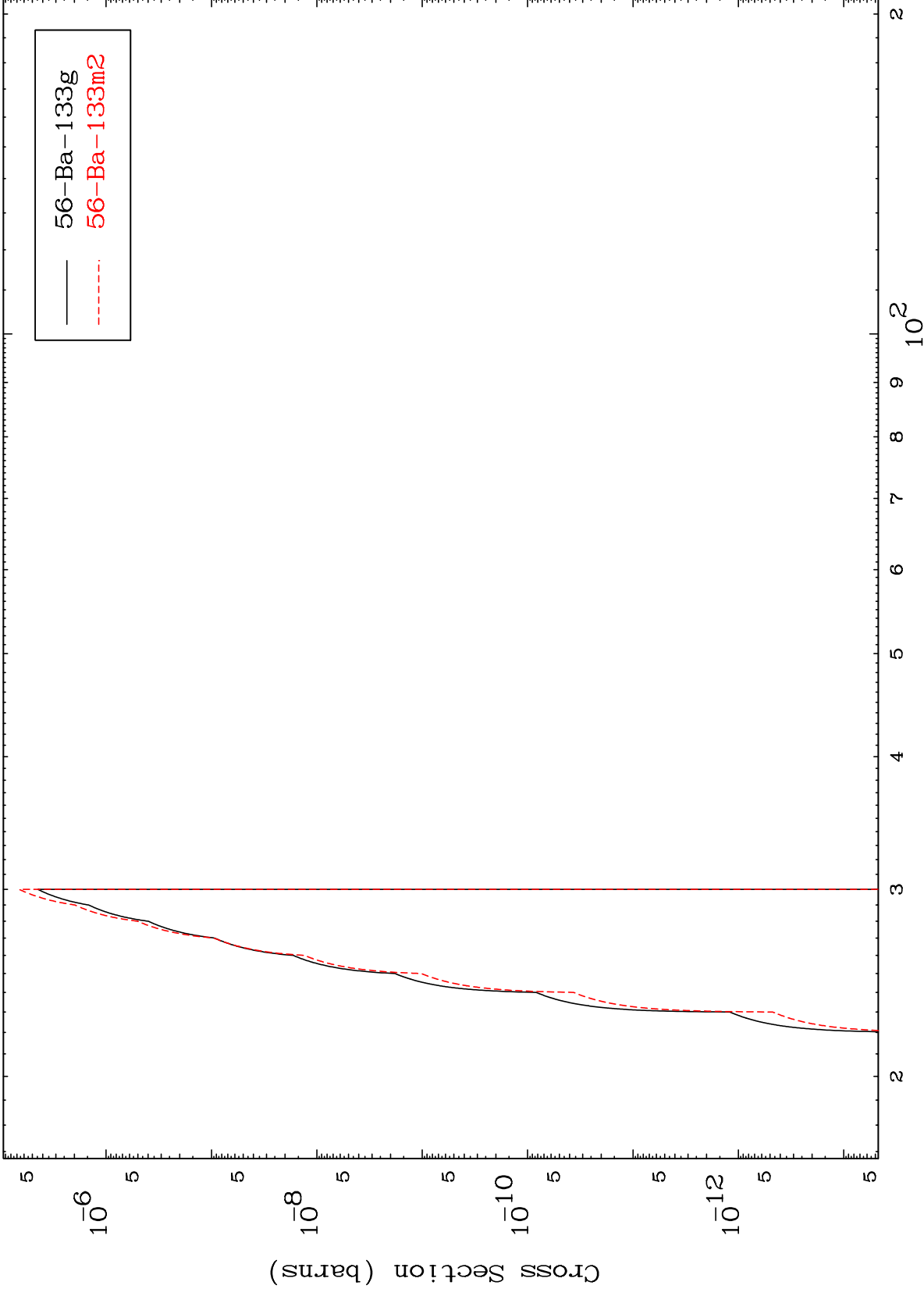
58-Ce-139

Radionuclide Production Cross Section



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

Radionuclide Production Cross Section



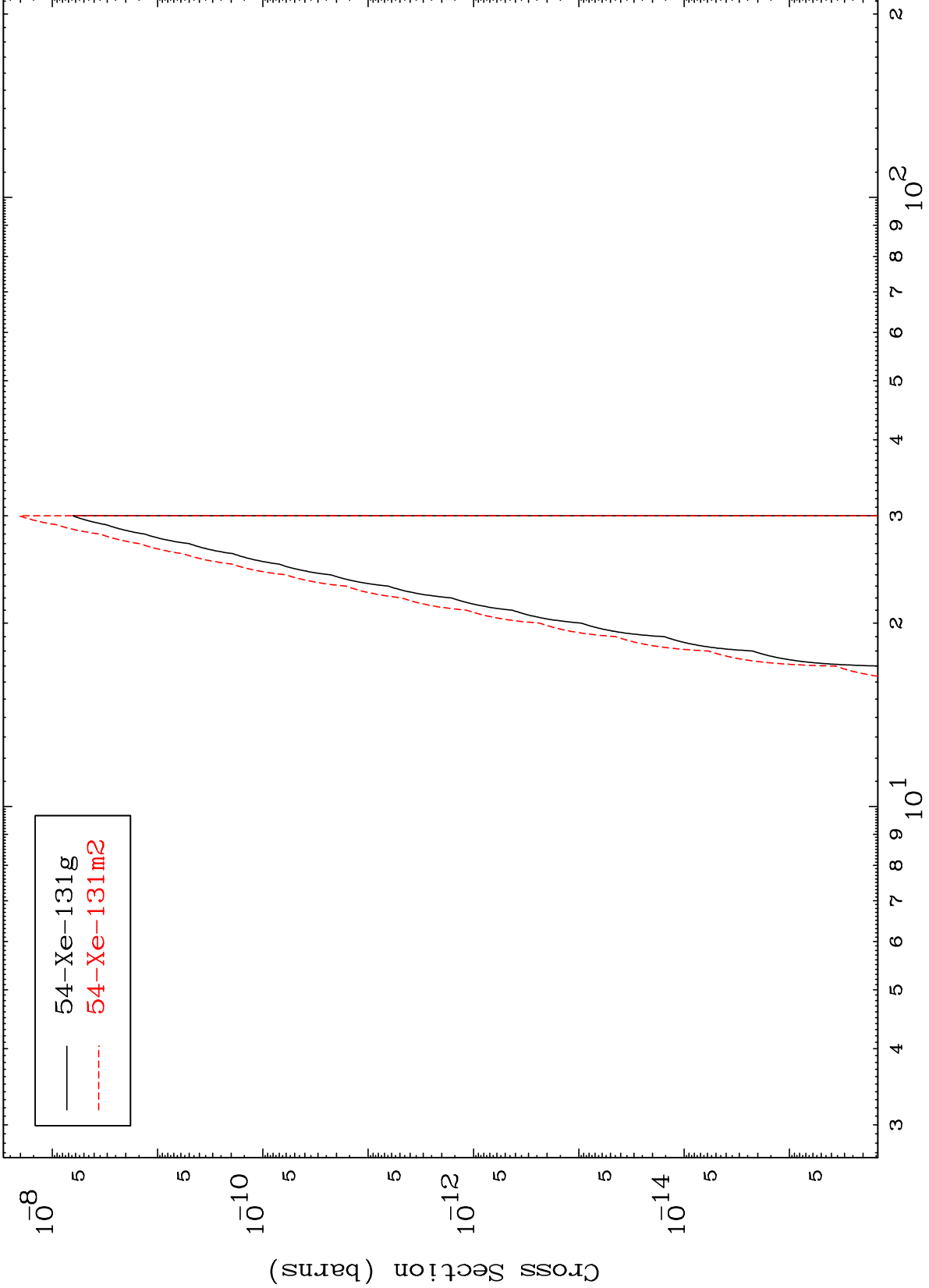
56-Ba-133g
56-Ba-133m2

MAT 5835

(n,n') 2α

58-Ce-139

Radionuclide Production Cross Section



23

Incident Energy (MeV)

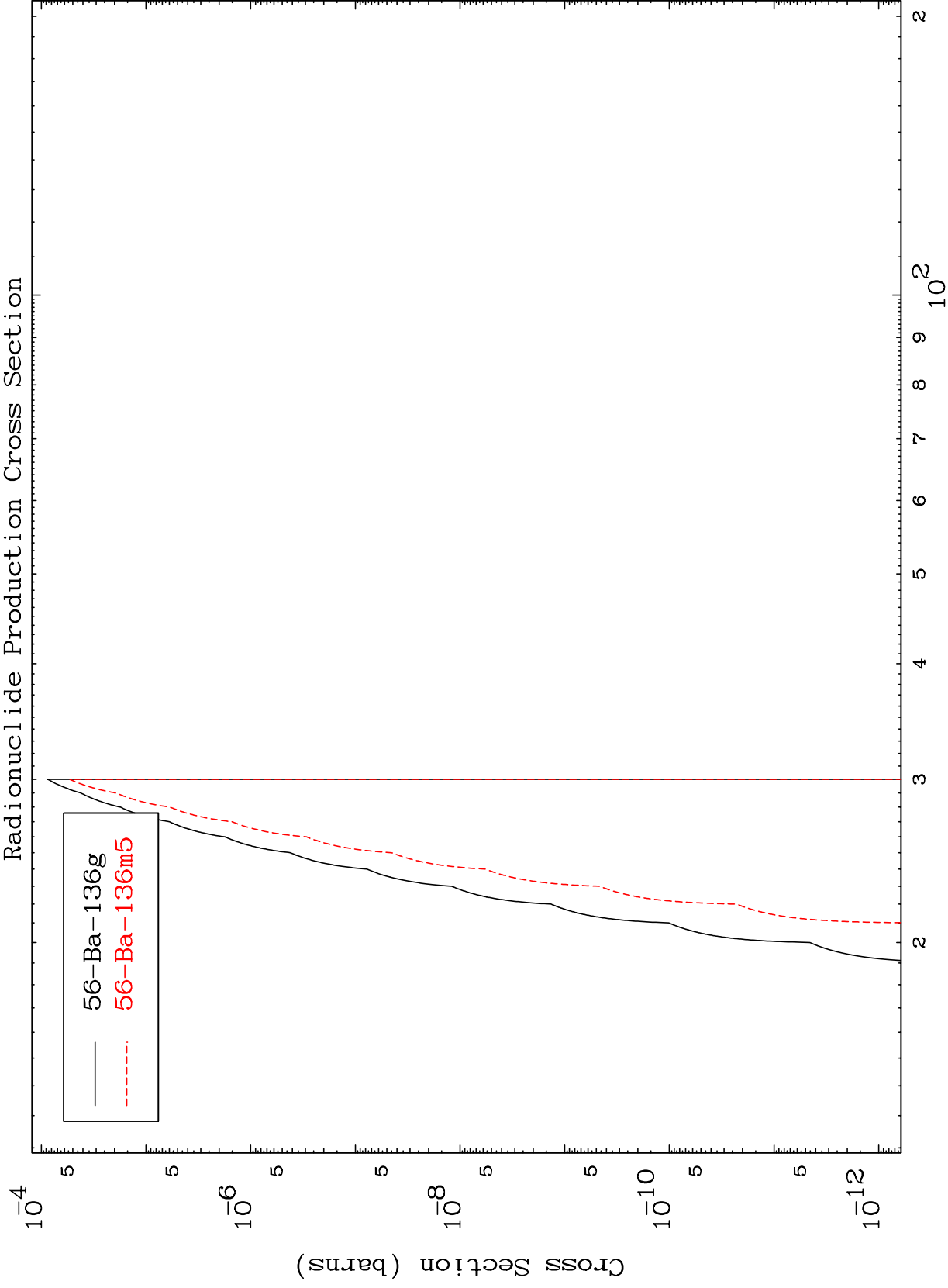
58-Ce-139

MAT 5835

(n,n') He-3

58-Ce-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

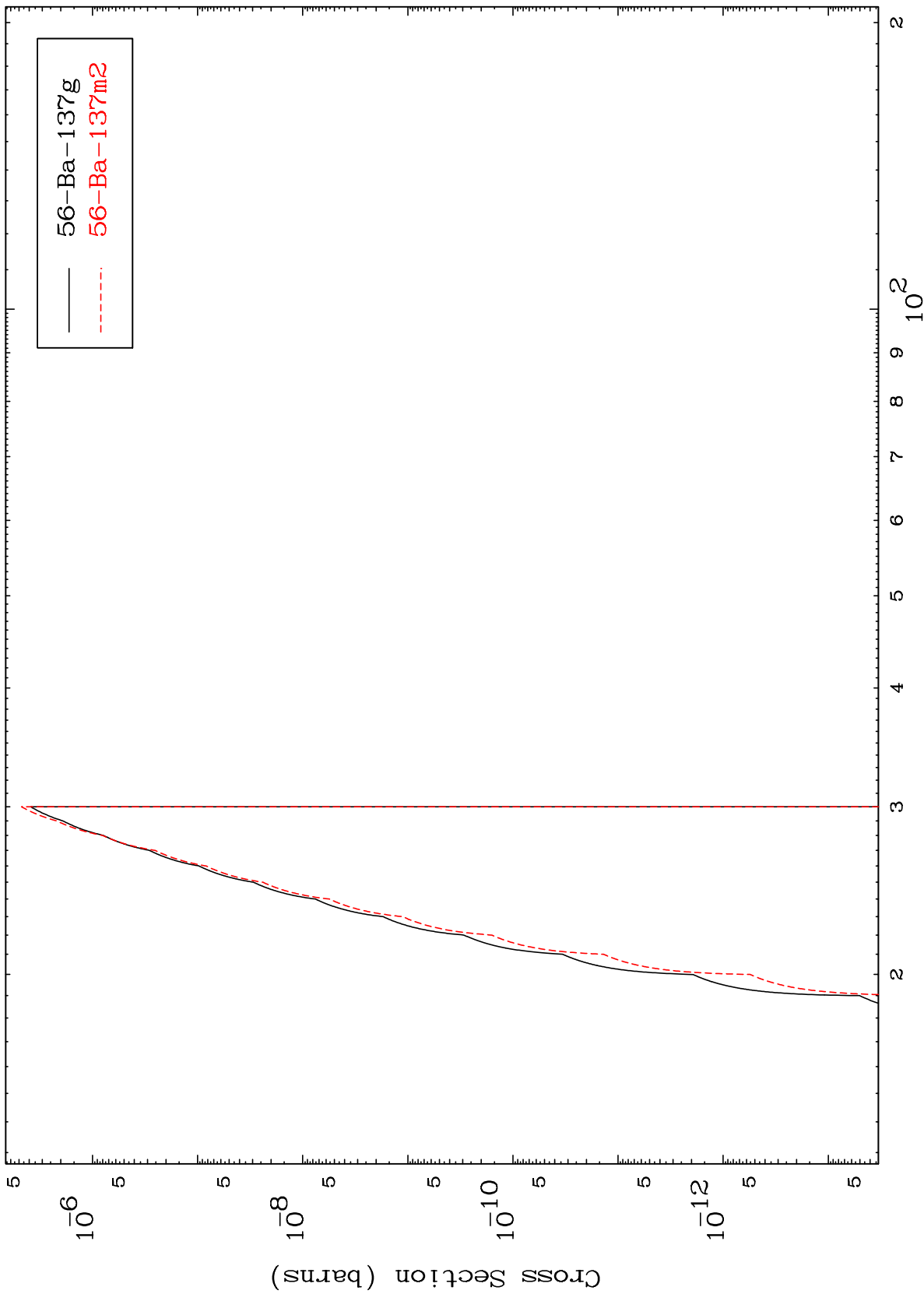
58-Ce-139

MAT 5835

(n,2n) p

58-Ce-139

Radionuclide Production Cross Section



25

Incident Energy (MeV)

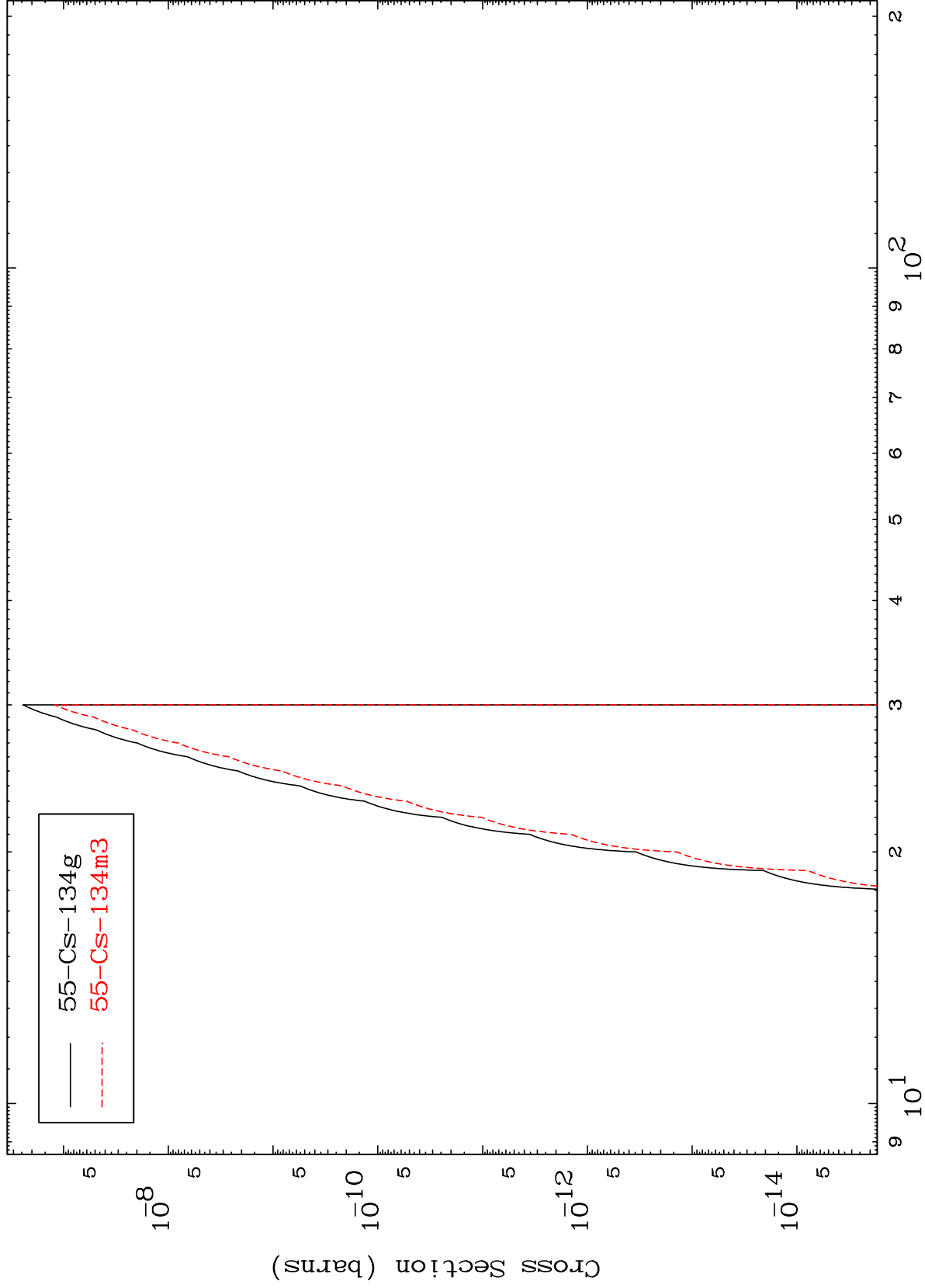
58-Ce-139

MAT 5835

(n,n') p α

58-Ce-139

Radionuclide Production Cross Section



26

Incident Energy (MeV)

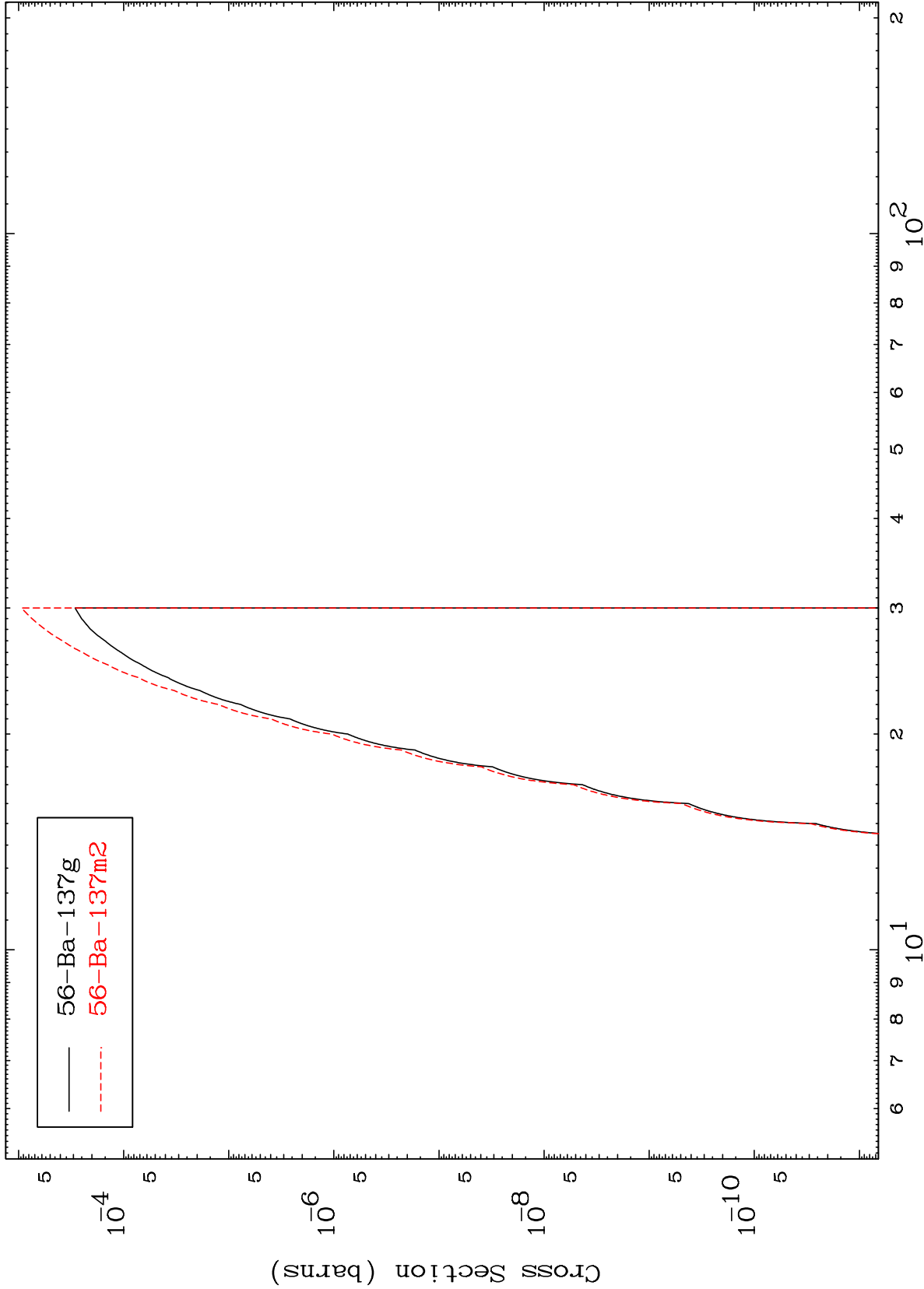
58-Ce-139

MAT 5835

(n,He-3)

58-Ce-139

Radionuclide Production Cross Section



27

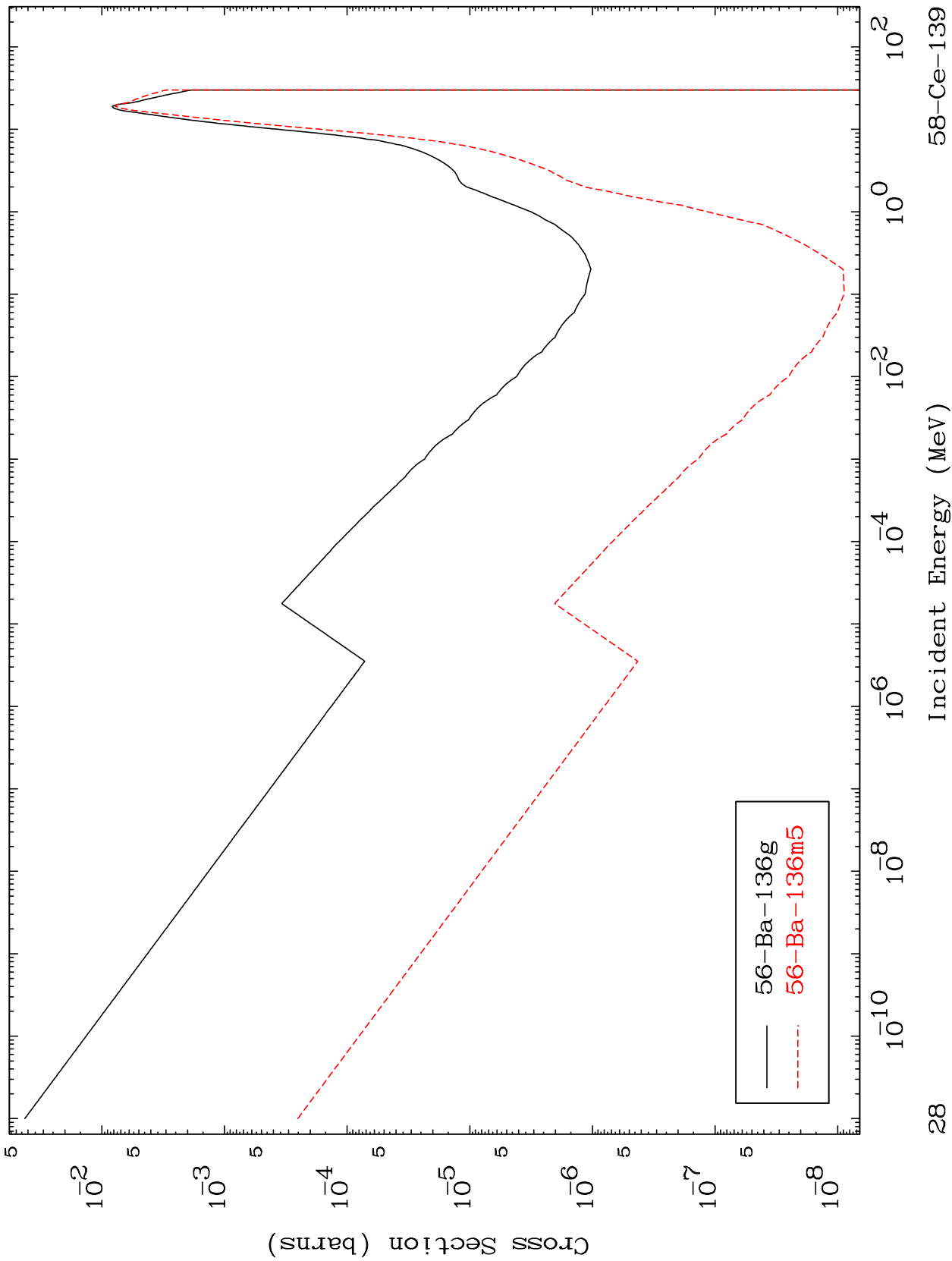
Incident Energy (MeV)

58-Ce-139

MAT 5835

58-Ce-139

Radionuclide Production Cross Section
(n, α)

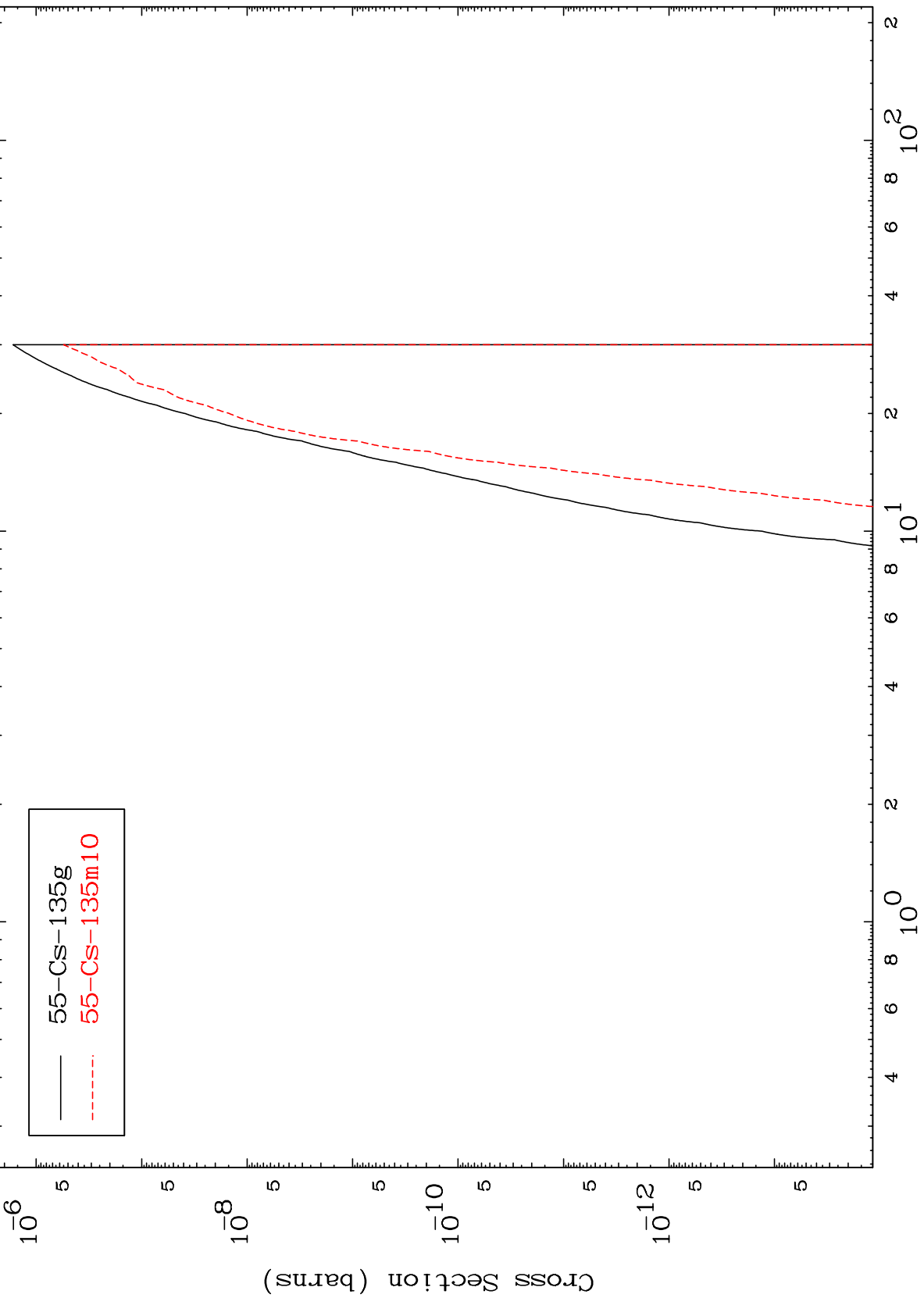


MAT 5835

(n,p) α

58-Ce-139

Radionuclide Production Cross Section



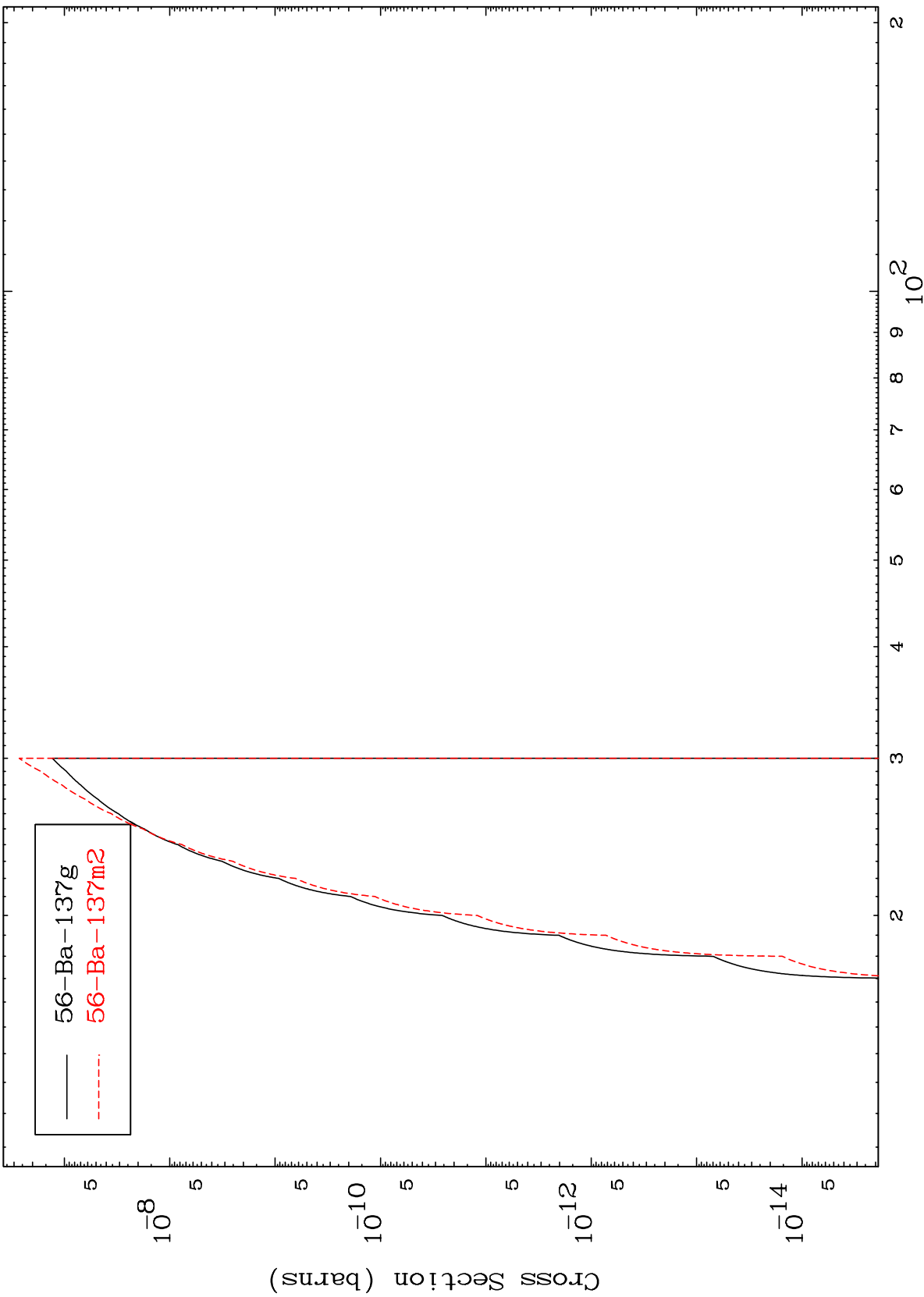
55-Cs-135g
55-Cs-135m10

MAT 5835

(n,p) d

58-Ce-139

Radionuclide Production Cross Section

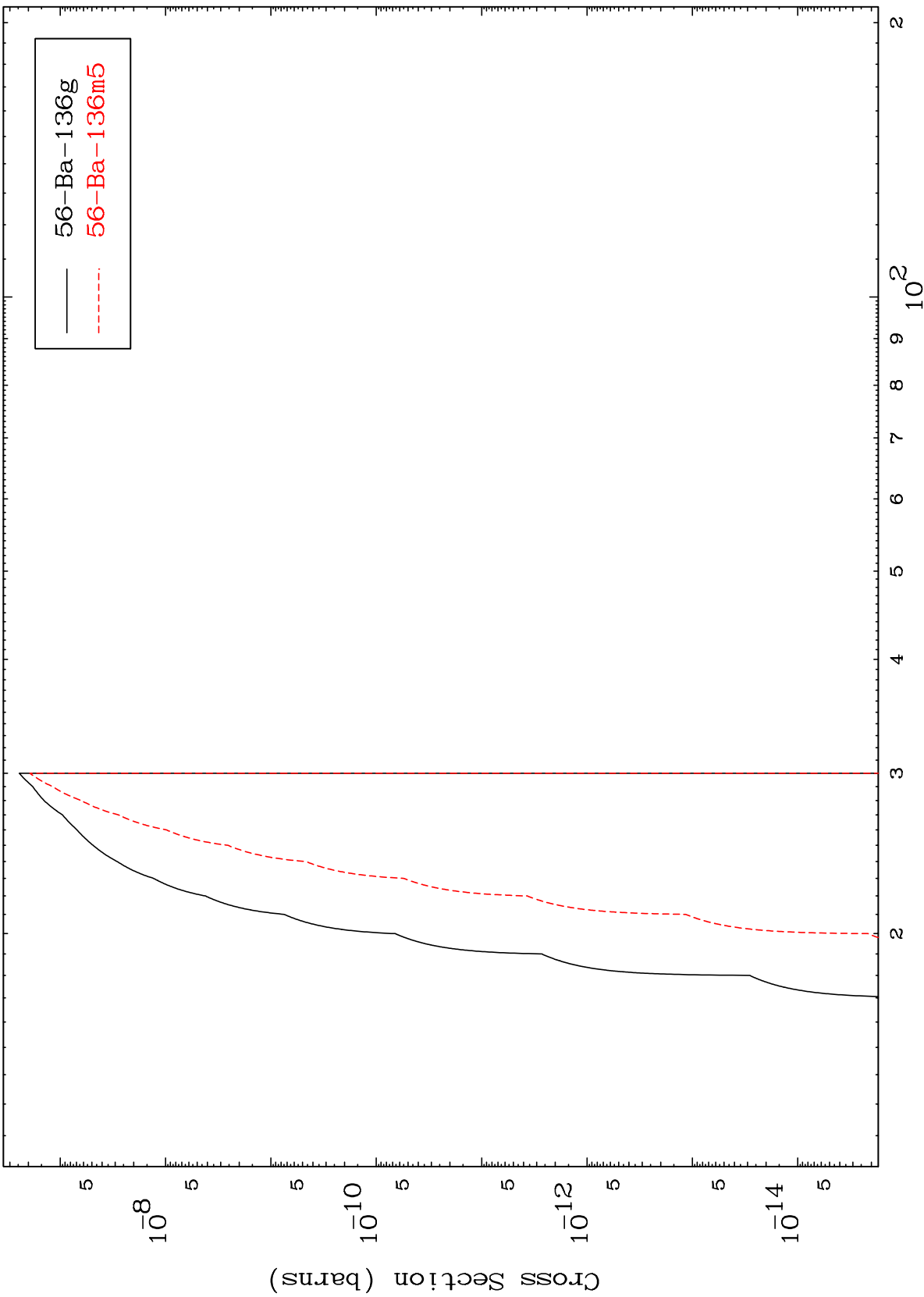


30

Incident Energy (MeV)

58-Ce-139

Radionuclide Production Cross Section

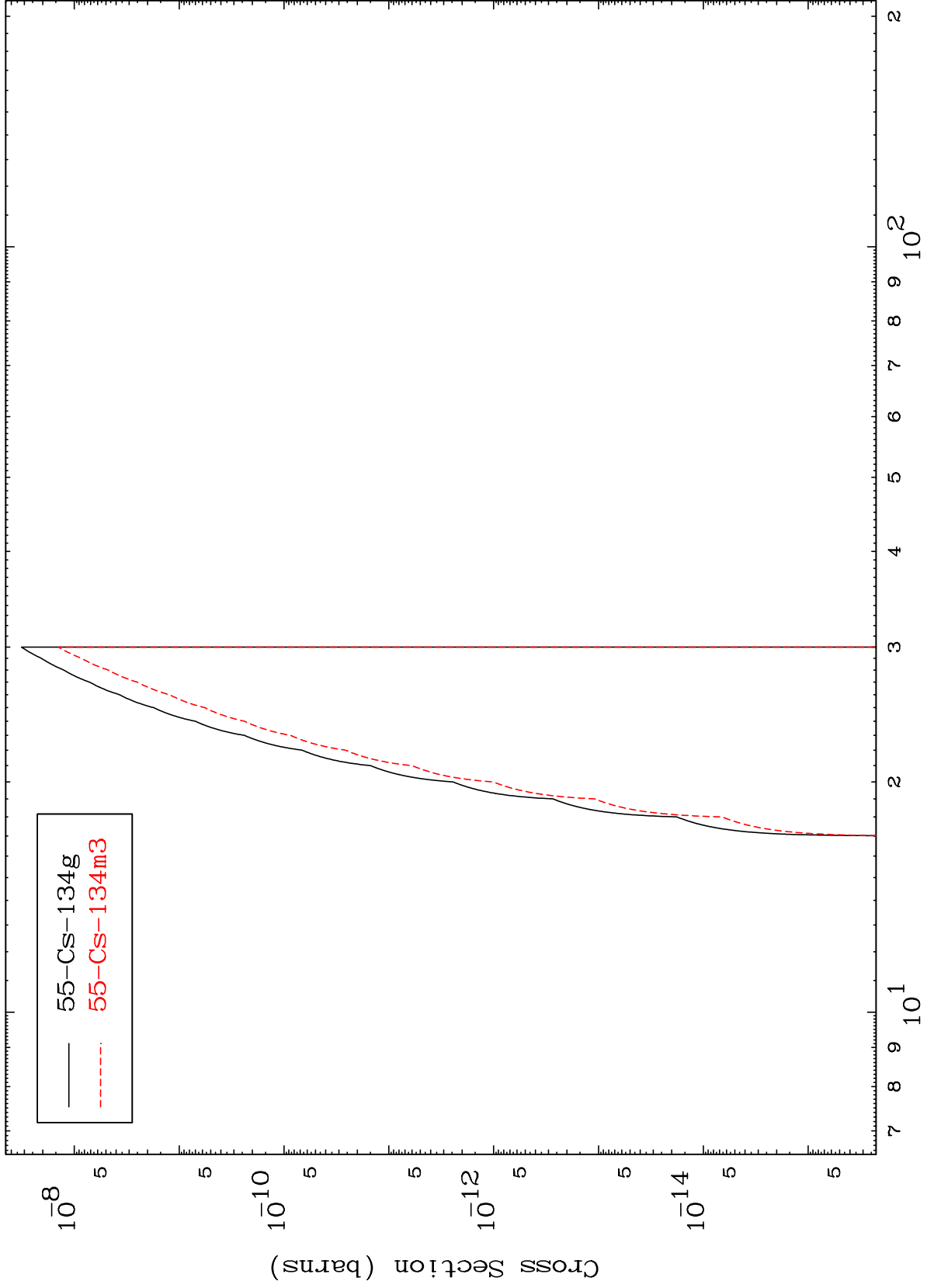


MAT 5835

(n,d) α

58-Ce-139

Radionuclide Production Cross Section



32

Incident Energy (MeV)

58-Ce-139