

Program EVALPLOT
(Version 2021-1)

by

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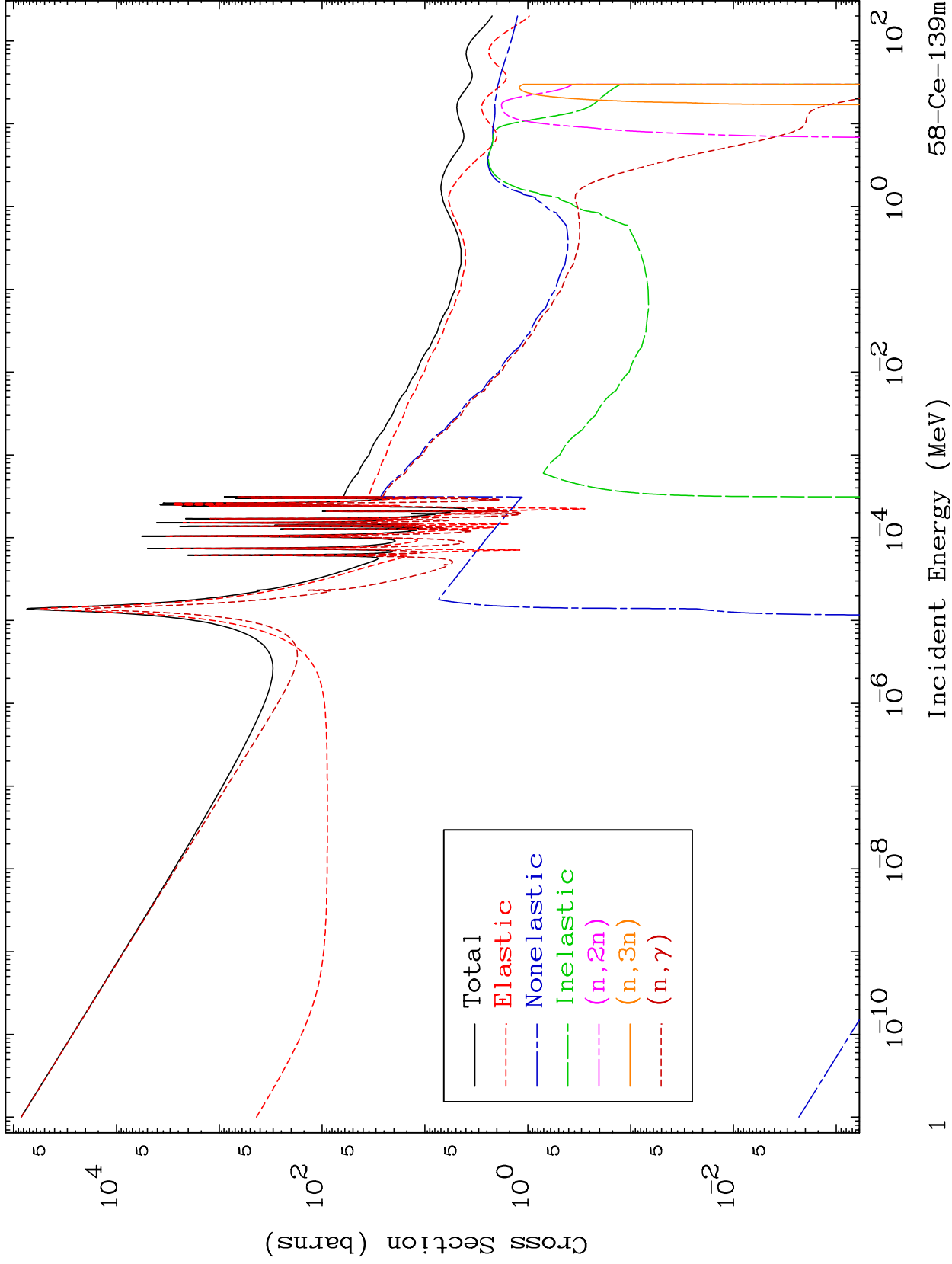
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5835

Neutron Major
293 Kelvin Cross Sections

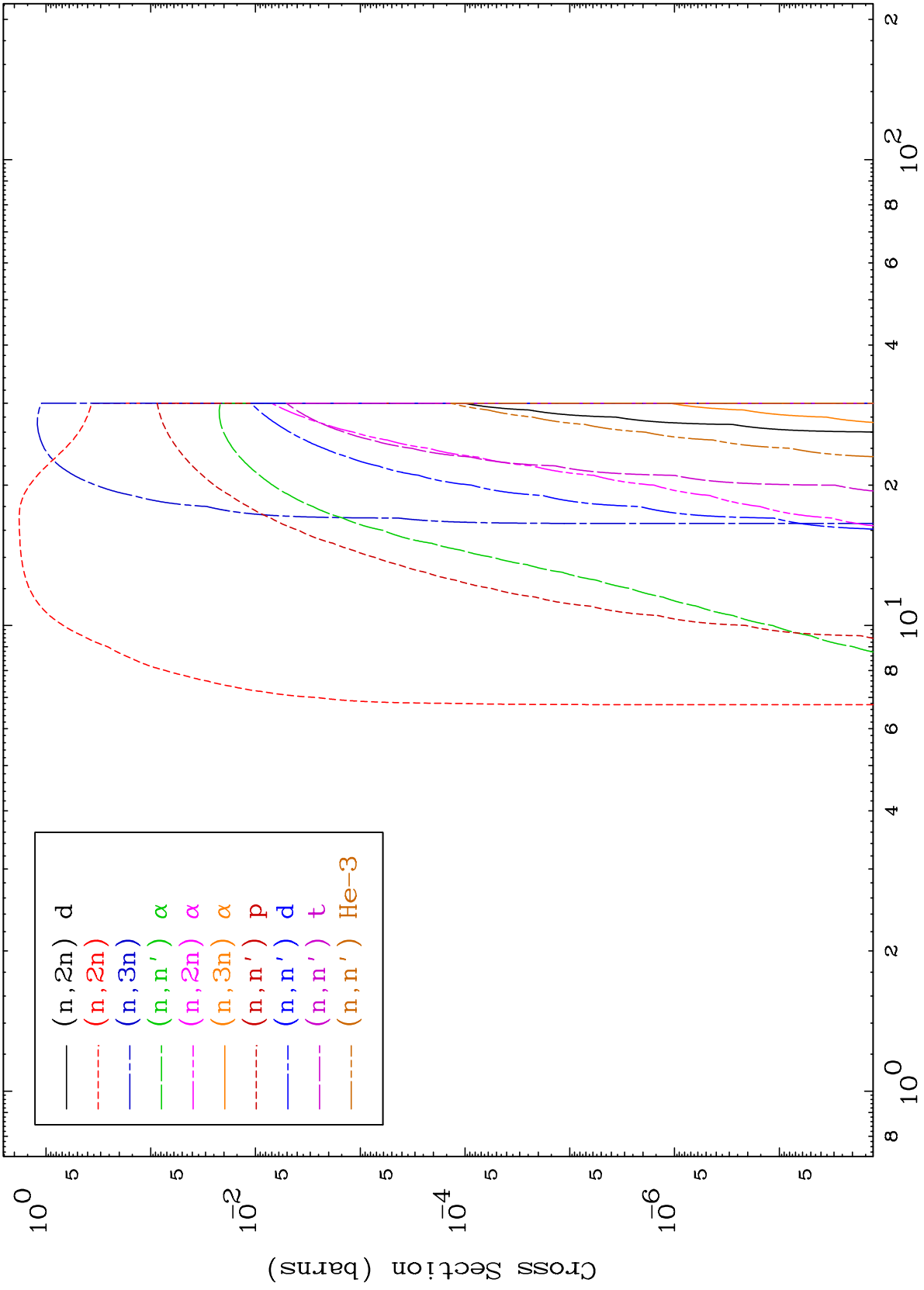
58-Ce-139m



MAT 5835

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-139m



58-Ce-139m

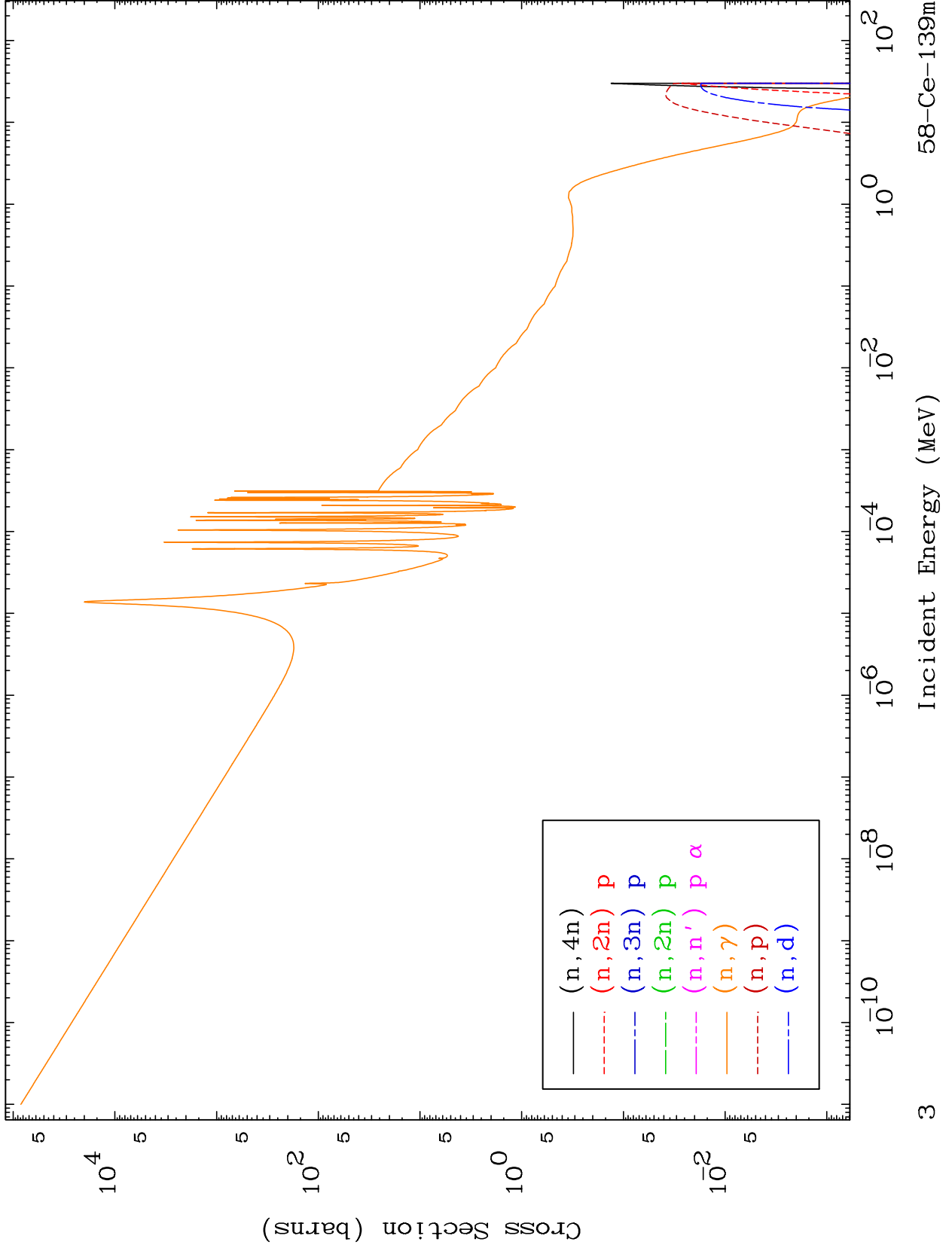
Incident Energy (MeV)

2

MAT 5835

Neutron Absorption
293 Kelvin Cross Sections

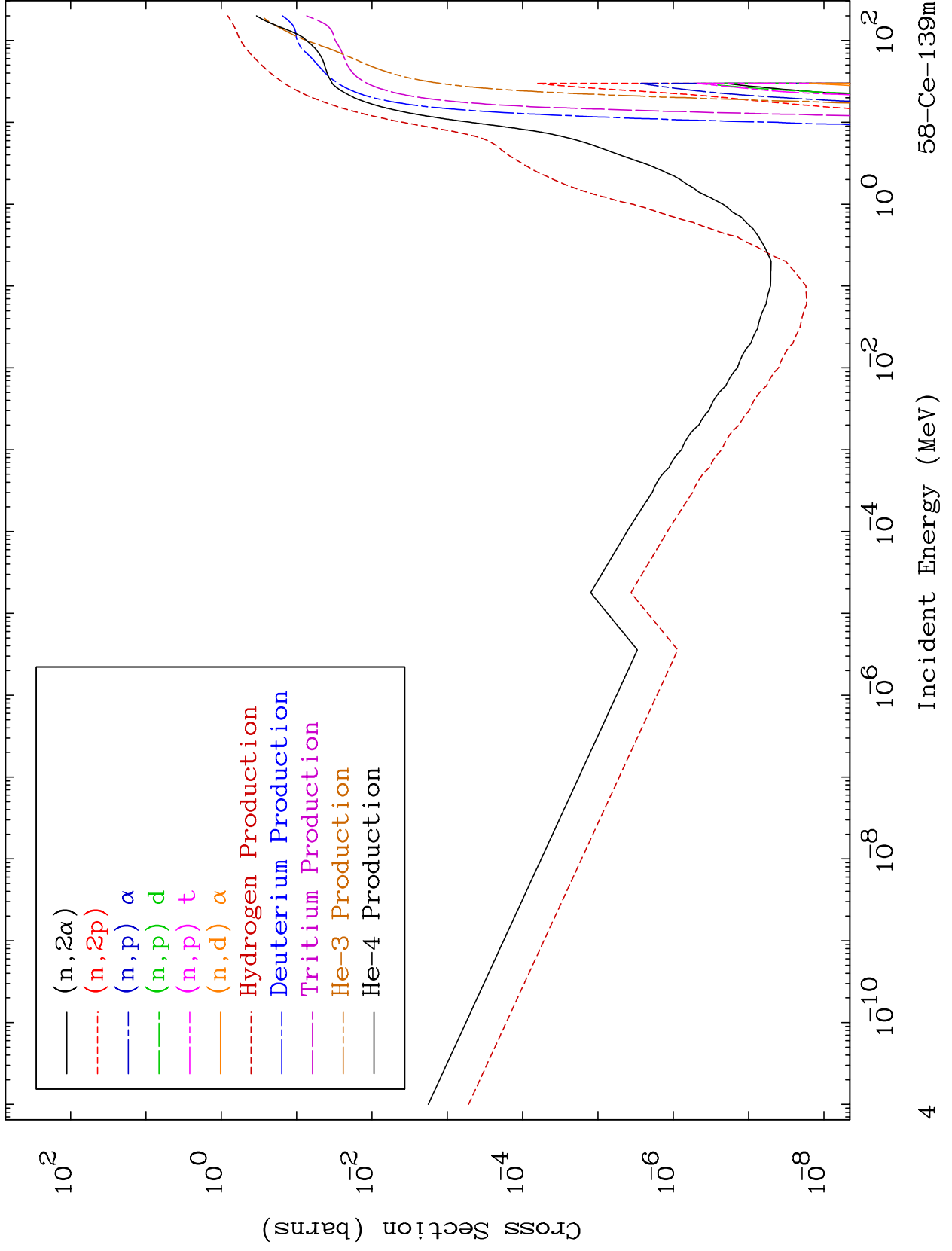
58-Ce-139m



MAT 5835

Neutron Absorption
293 Kelvin Cross Sections

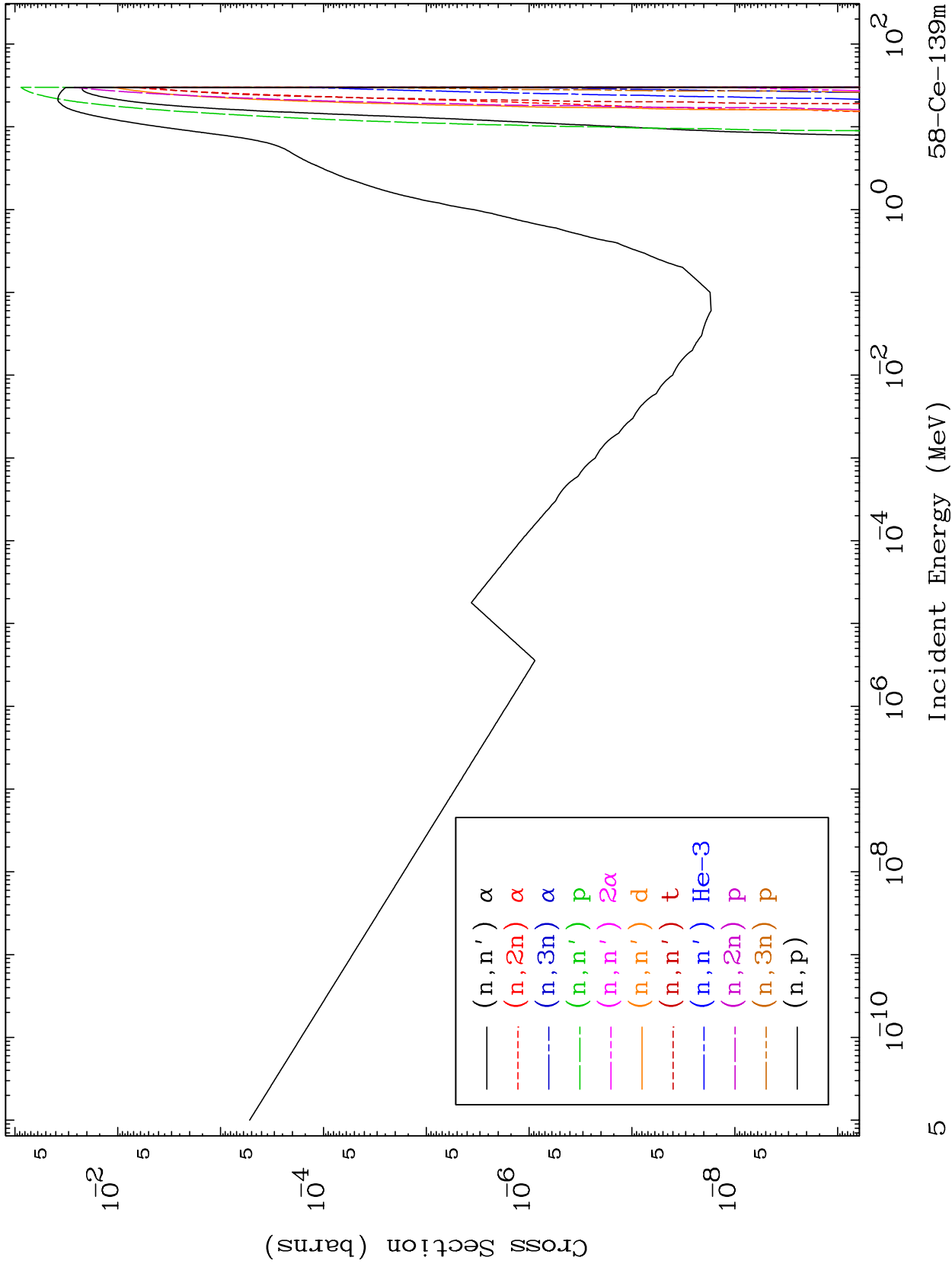
58-Ce-139m



MAT 5835

Charged Particle
293 Kelvin Cross Sections

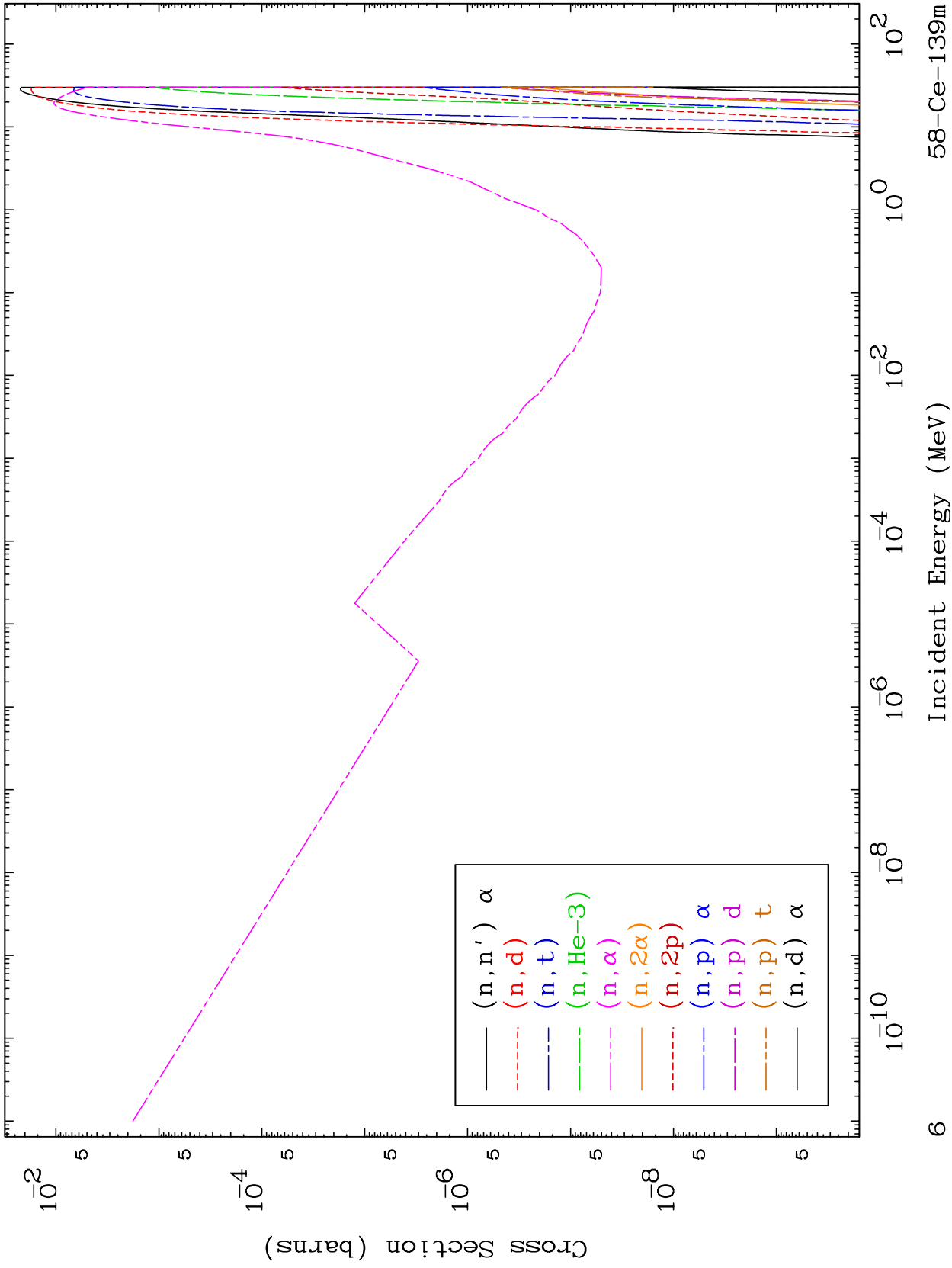
58-Ce-139m



MAT 5835

Charged Particle
293 Kelvin Cross Sections

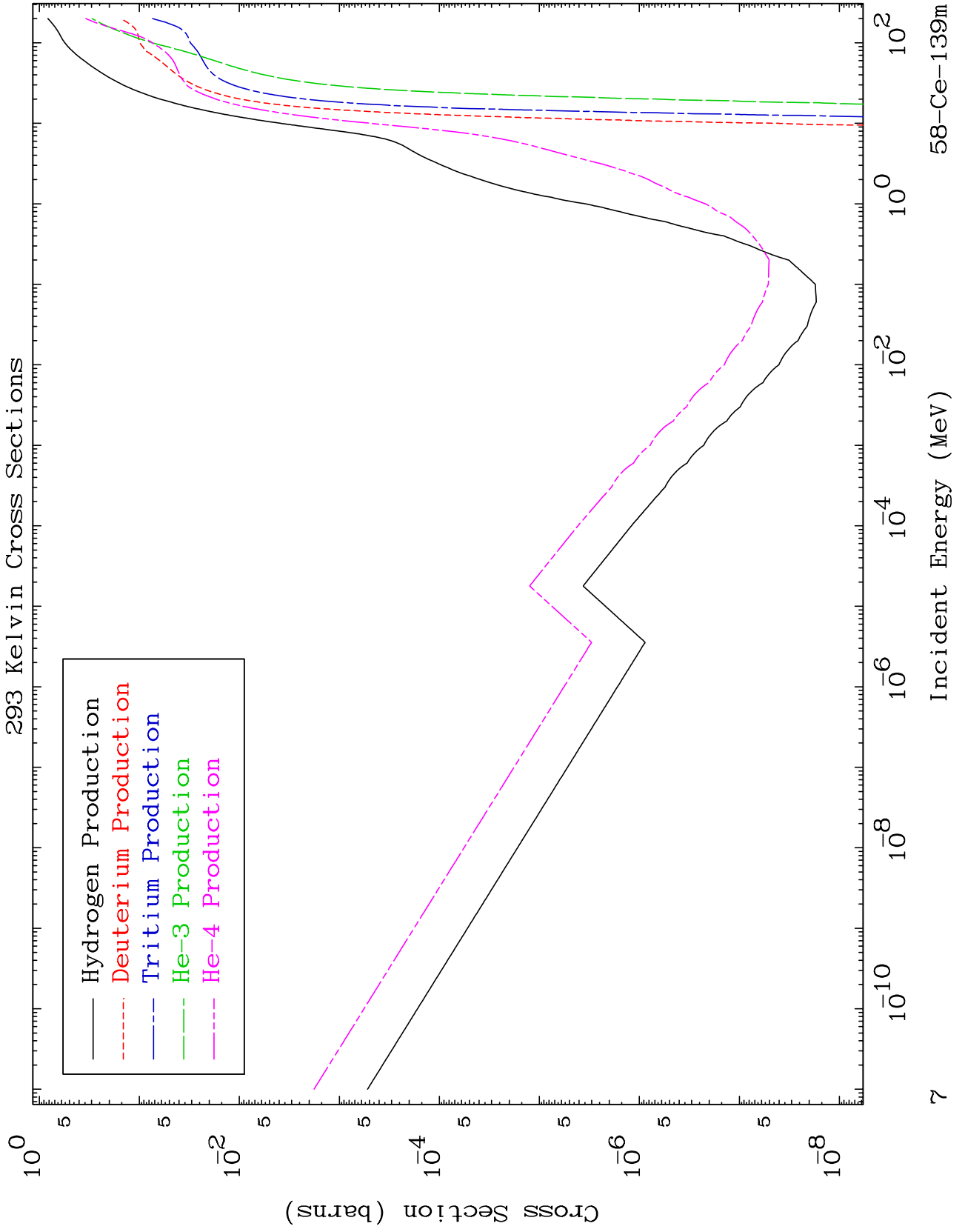
58-Ce-139m



MAT 5835

Particle Production
293 Kelvin Cross Sections

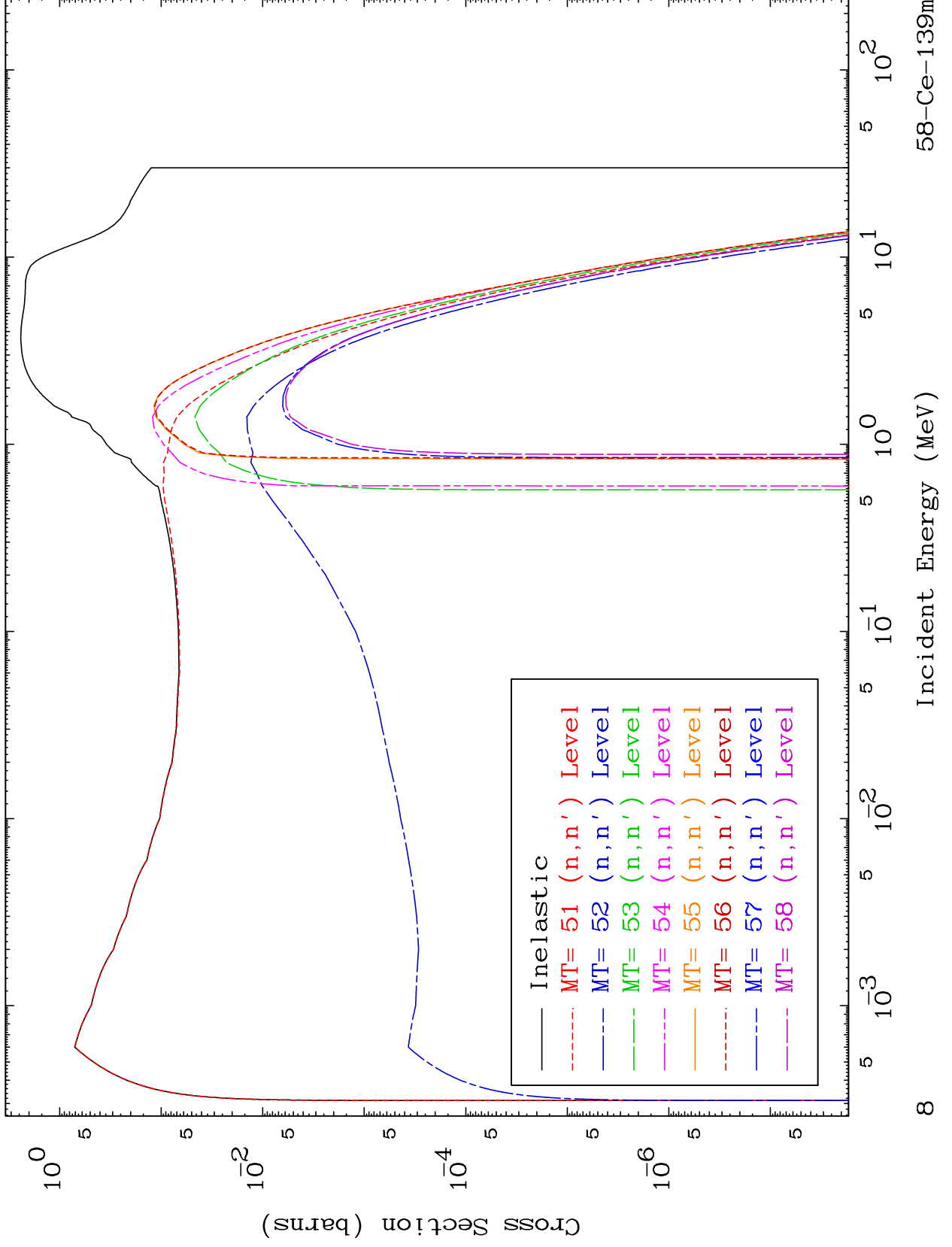
58-Ce-139m



MAT 5835

(n,n') Levels
293 Kelvin Cross Sections

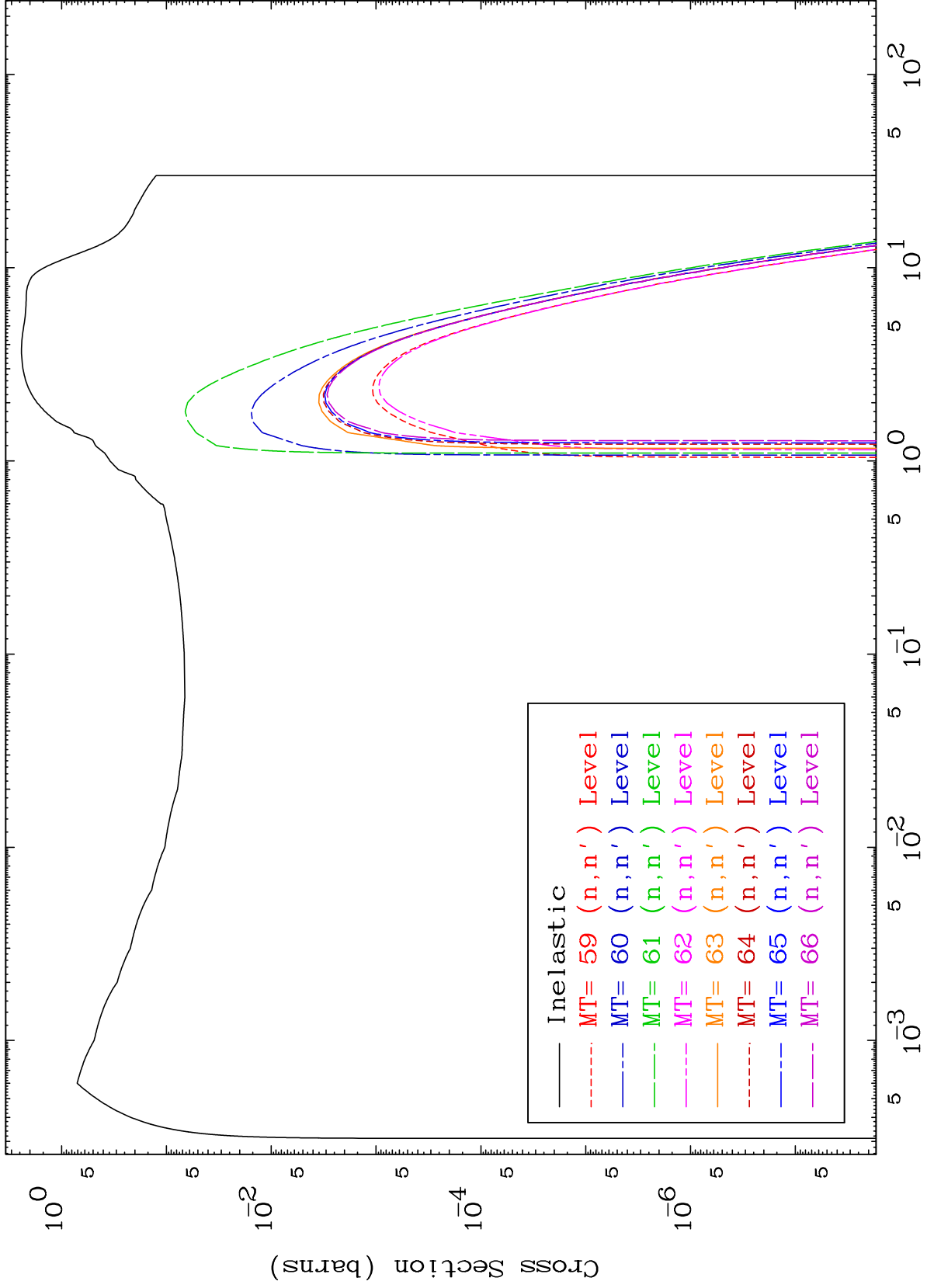
58-Ce-139m



MAT 5835

(n,n') Levels
293 Kelvin Cross Sections

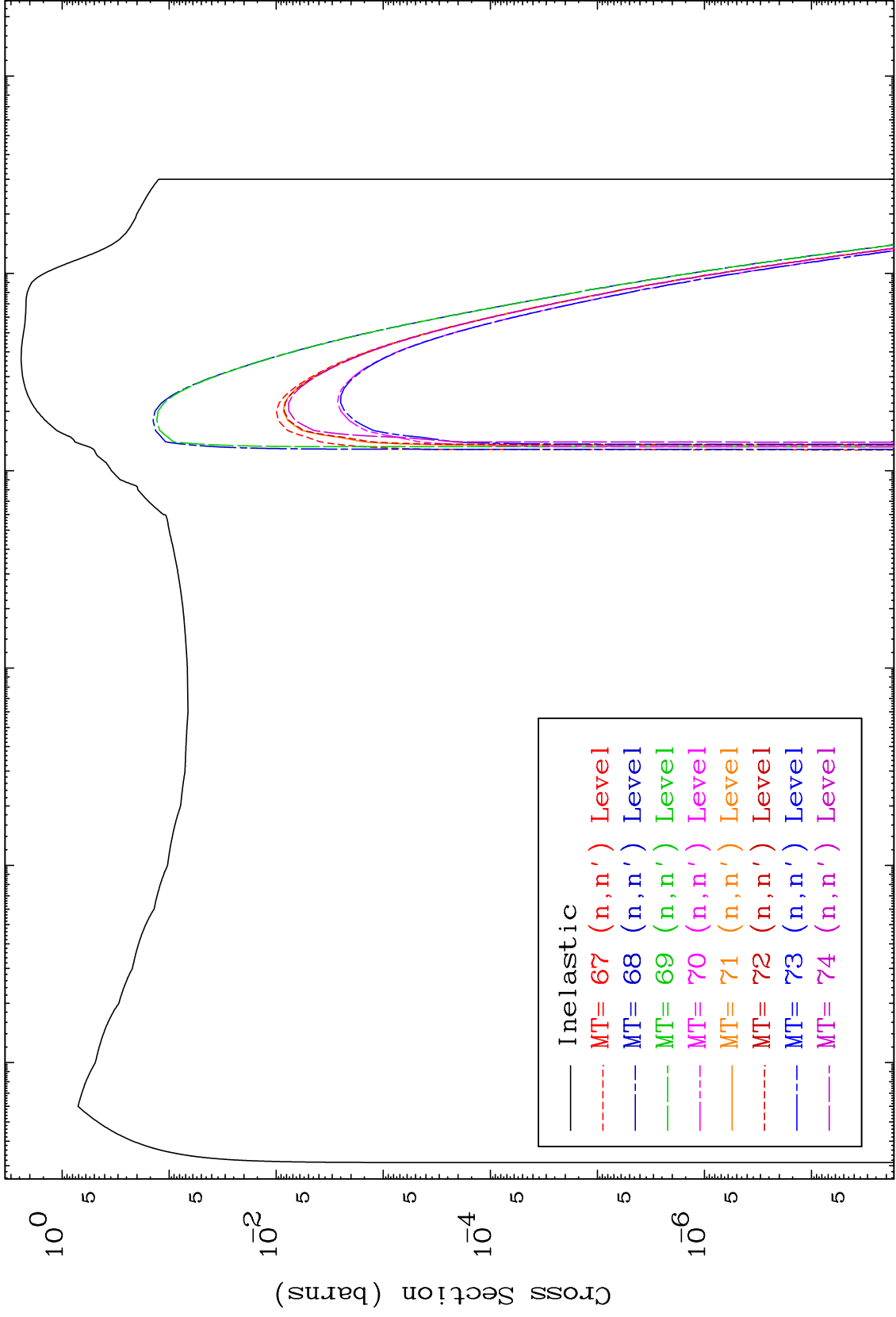
58-Ce-139m



MAT 5835

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-139m



10

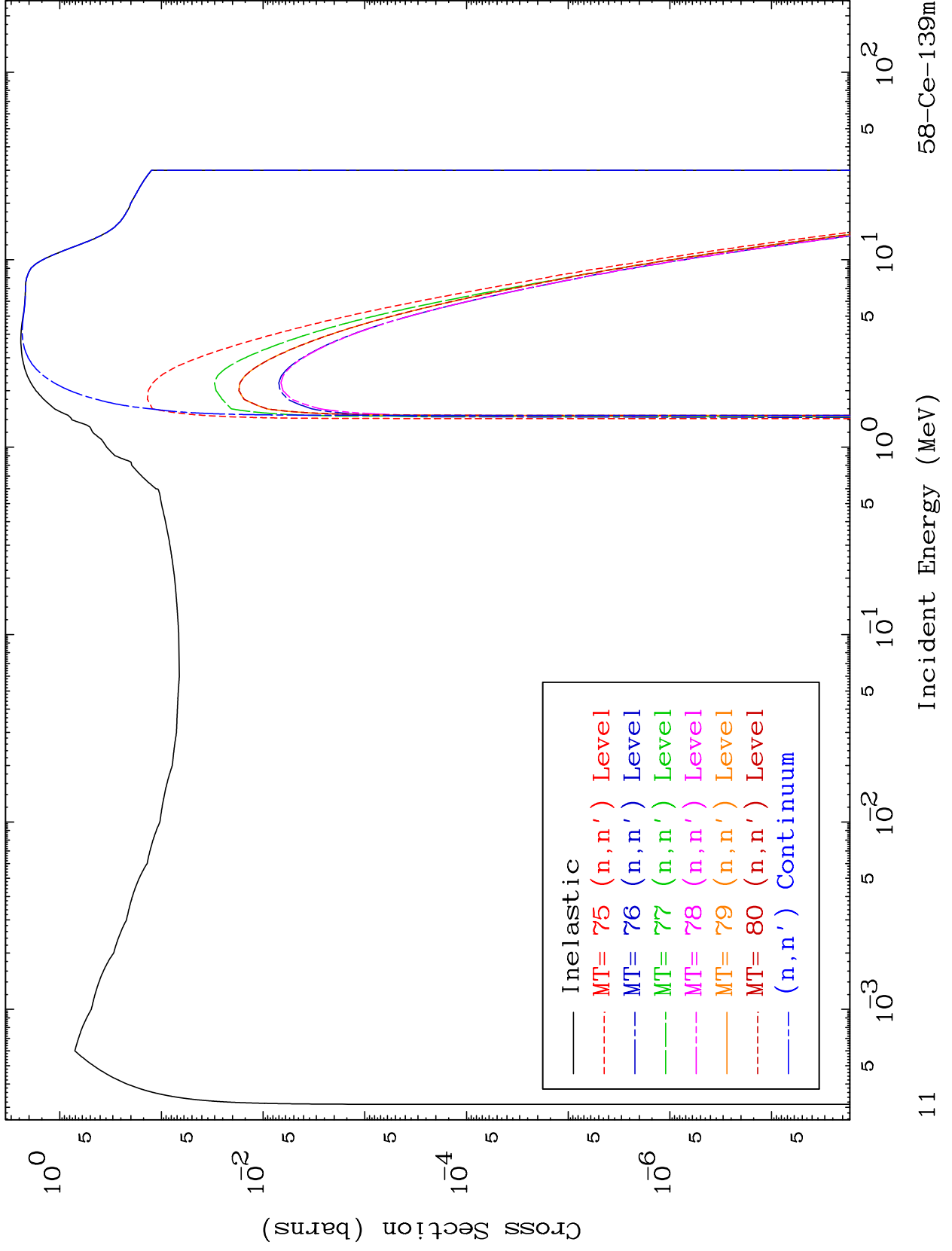
Incident Energy (MeV)

58-Ce-139m

MAT 5835

(n,n') Levels
293 Kelvin Cross Sections

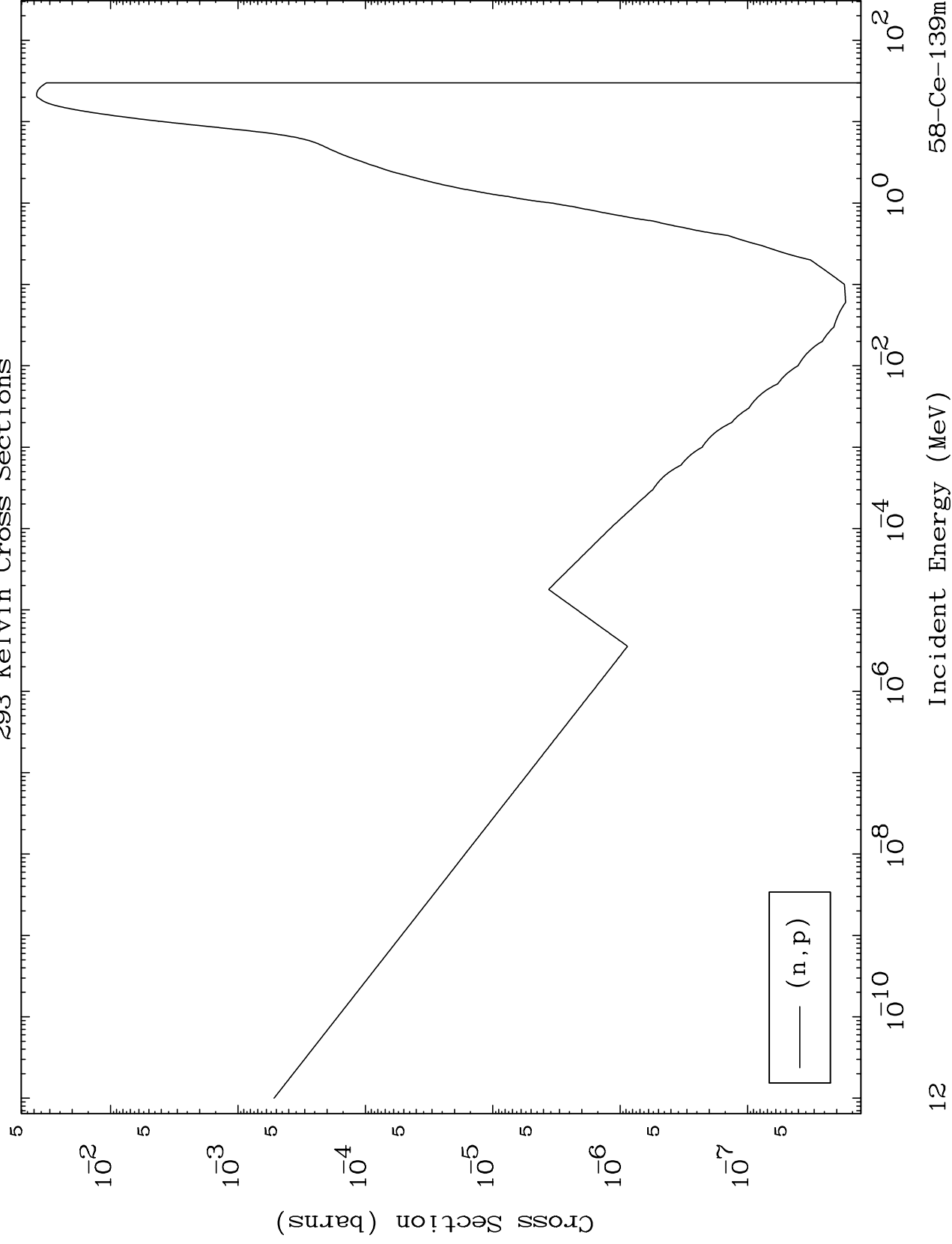
58-Ce-139m



MAT 5835

(n,p) Levels
293 Kelvin Cross Sections

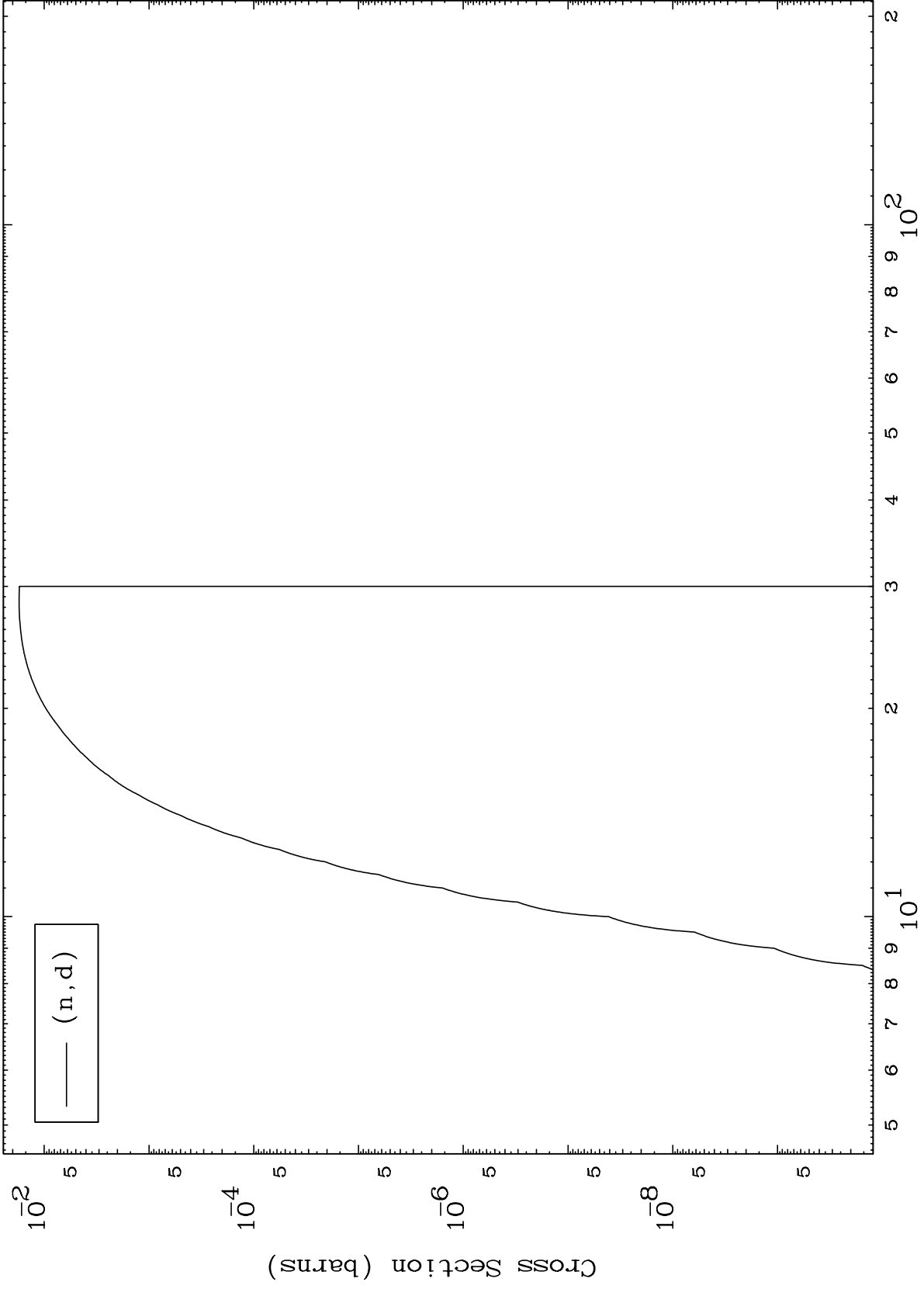
58-Ce-139m



MAT 5835

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-139m



13

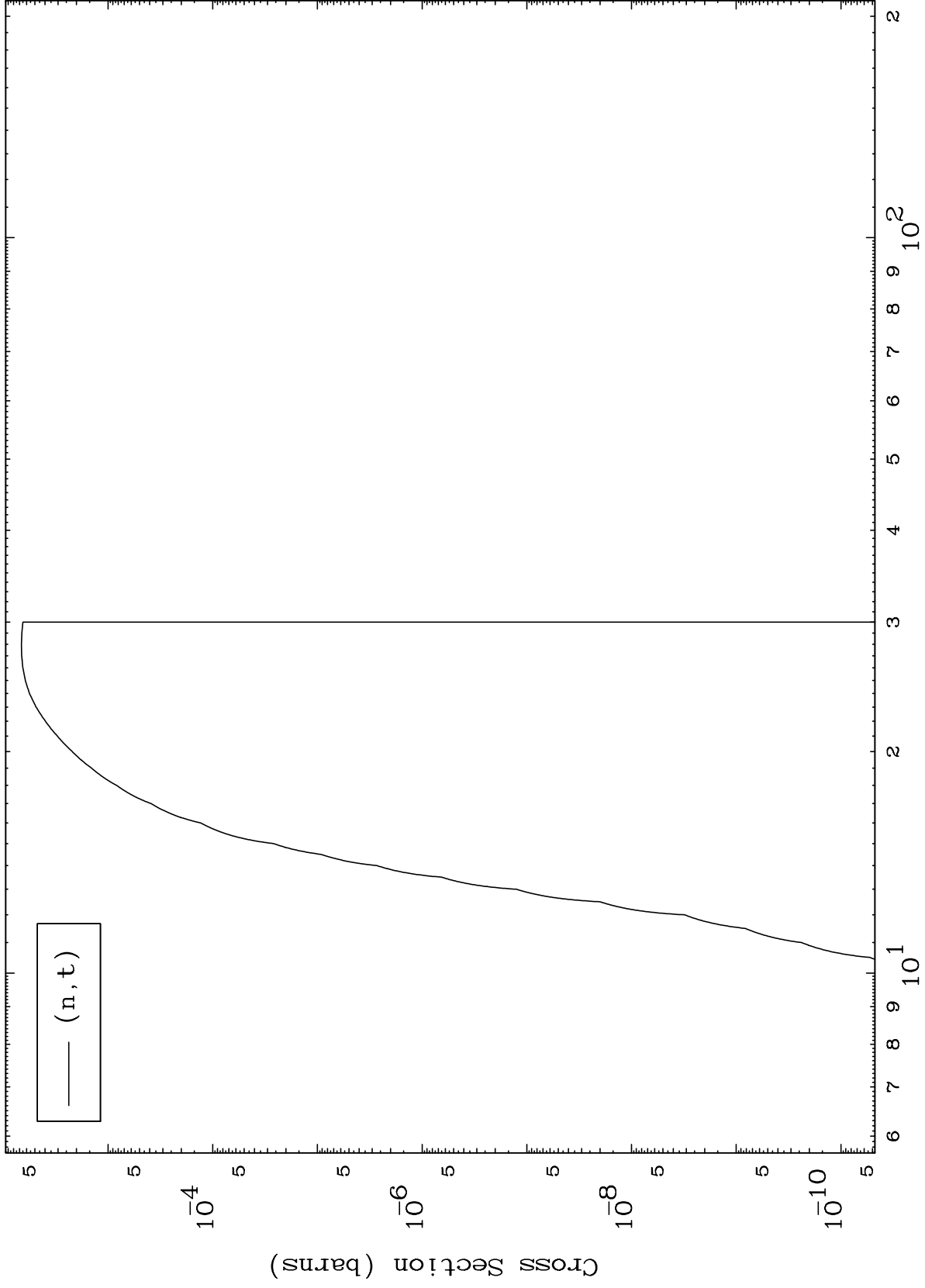
Incident Energy (MeV)

58-Ce-139m

MAT 5835

(n, t) Levels
293 Kelvin Cross Sections

58-Ce-139m



14

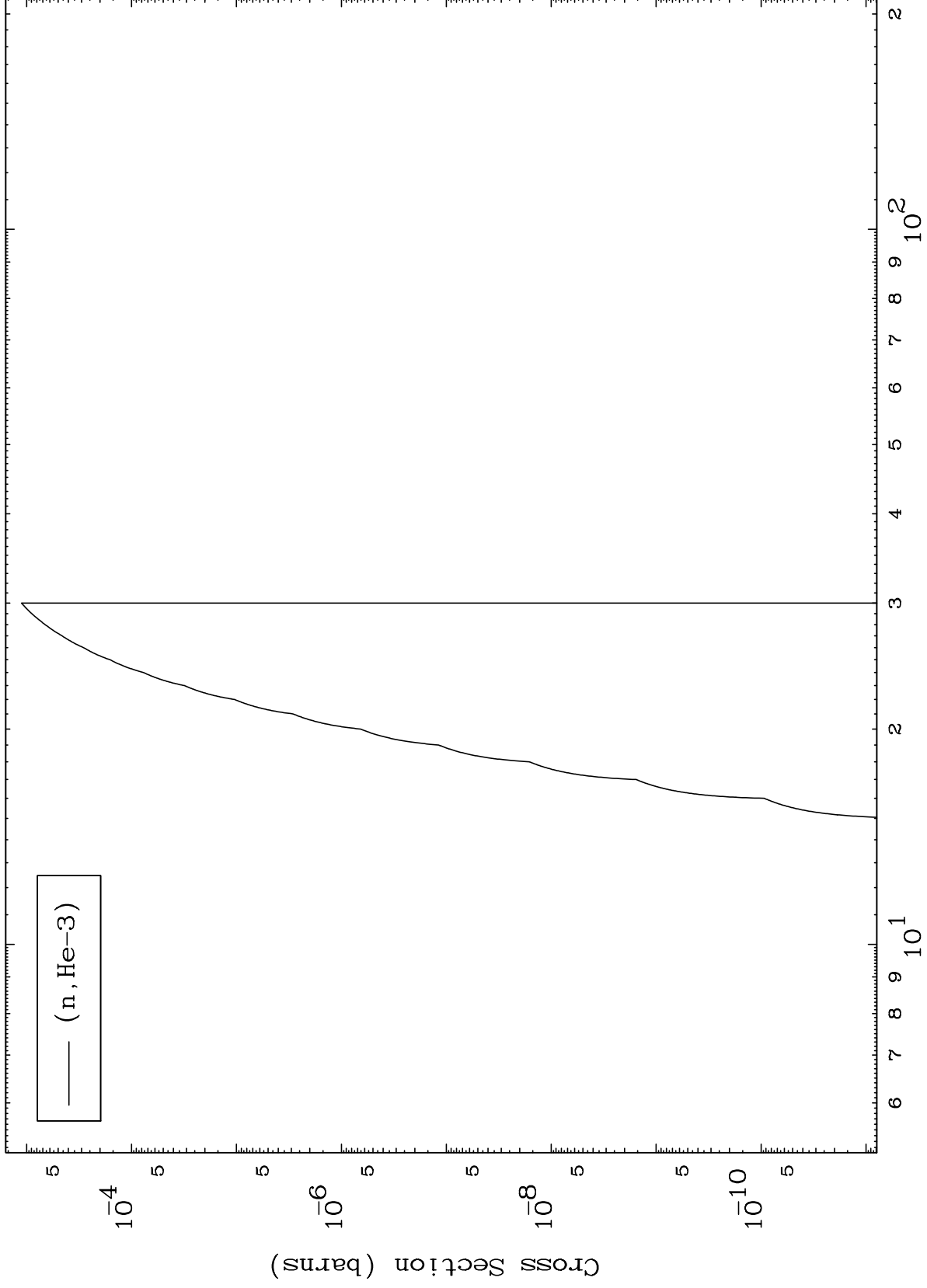
Incident Energy (MeV)

58-Ce-139m

MAT 5835

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-139m



15

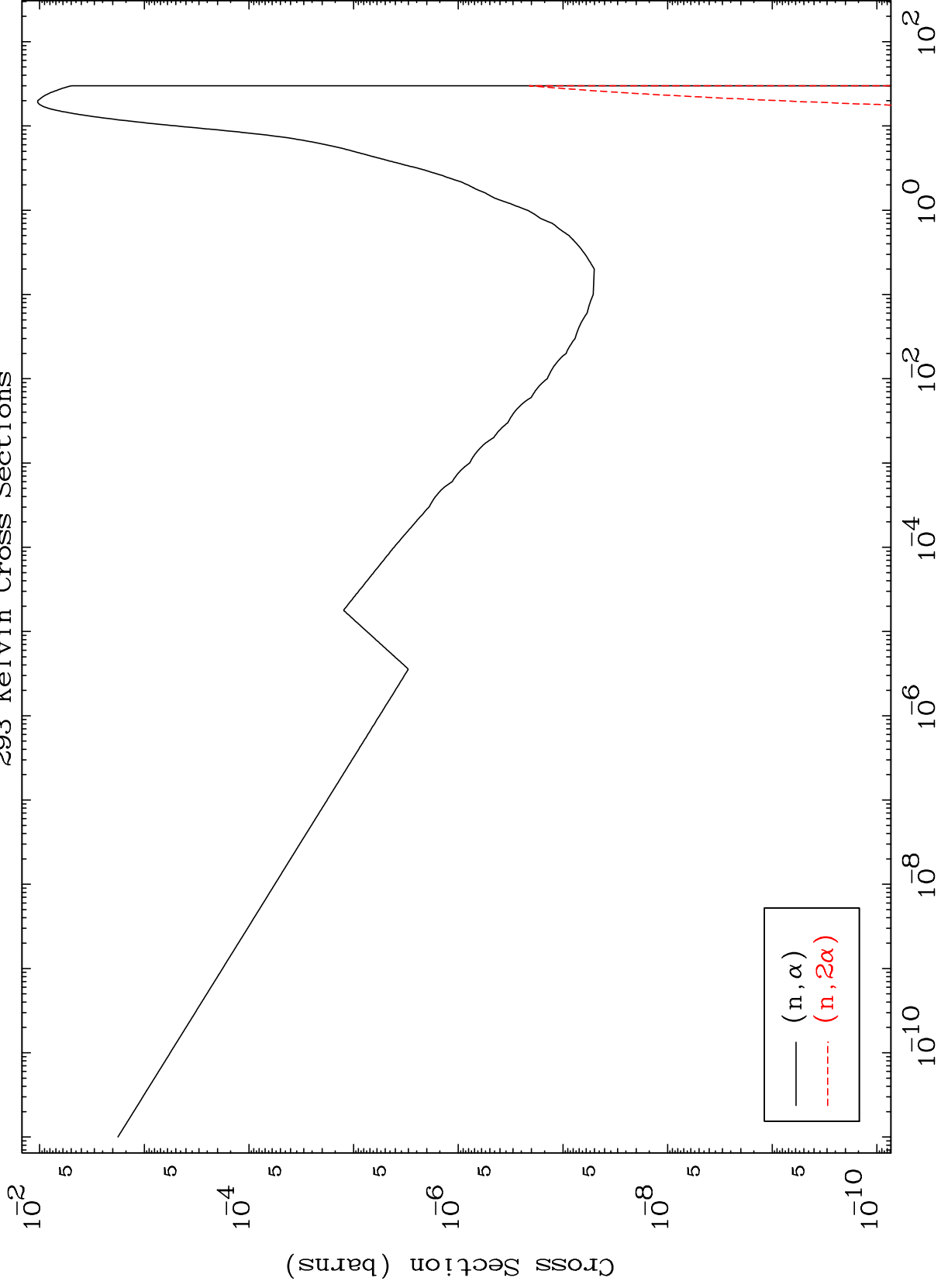
Incident Energy (MeV)

58-Ce-139m

MAT 5835

(n,α) Levels
293 Kelvin Cross Sections

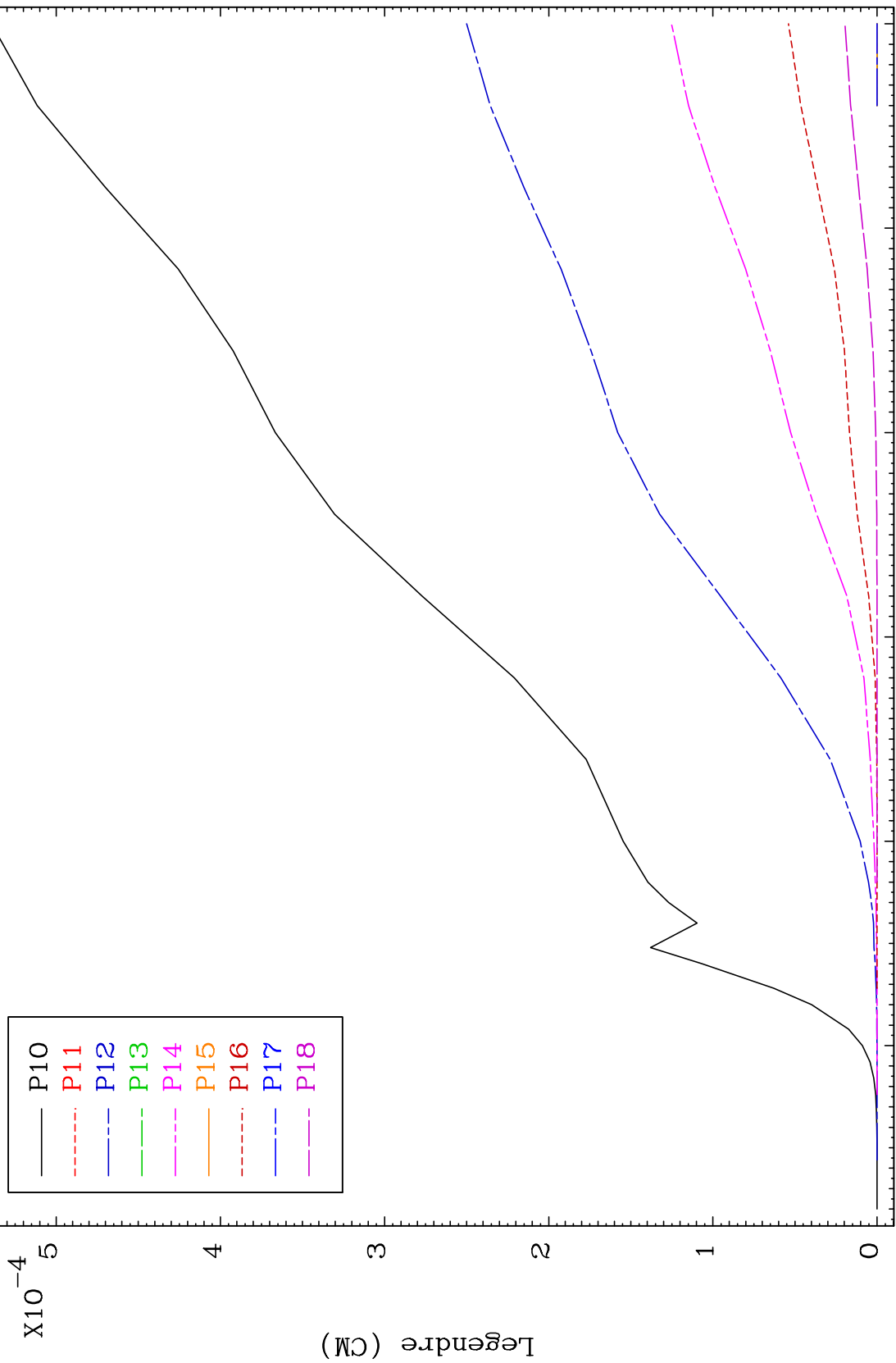
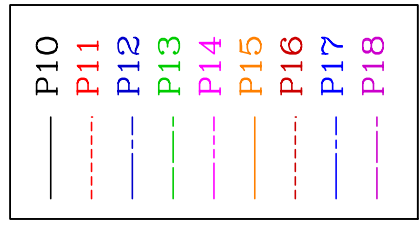
58-Ce-139m



MAT 5835

Elastic Legendre Coefficients

58-Ce-139m



18

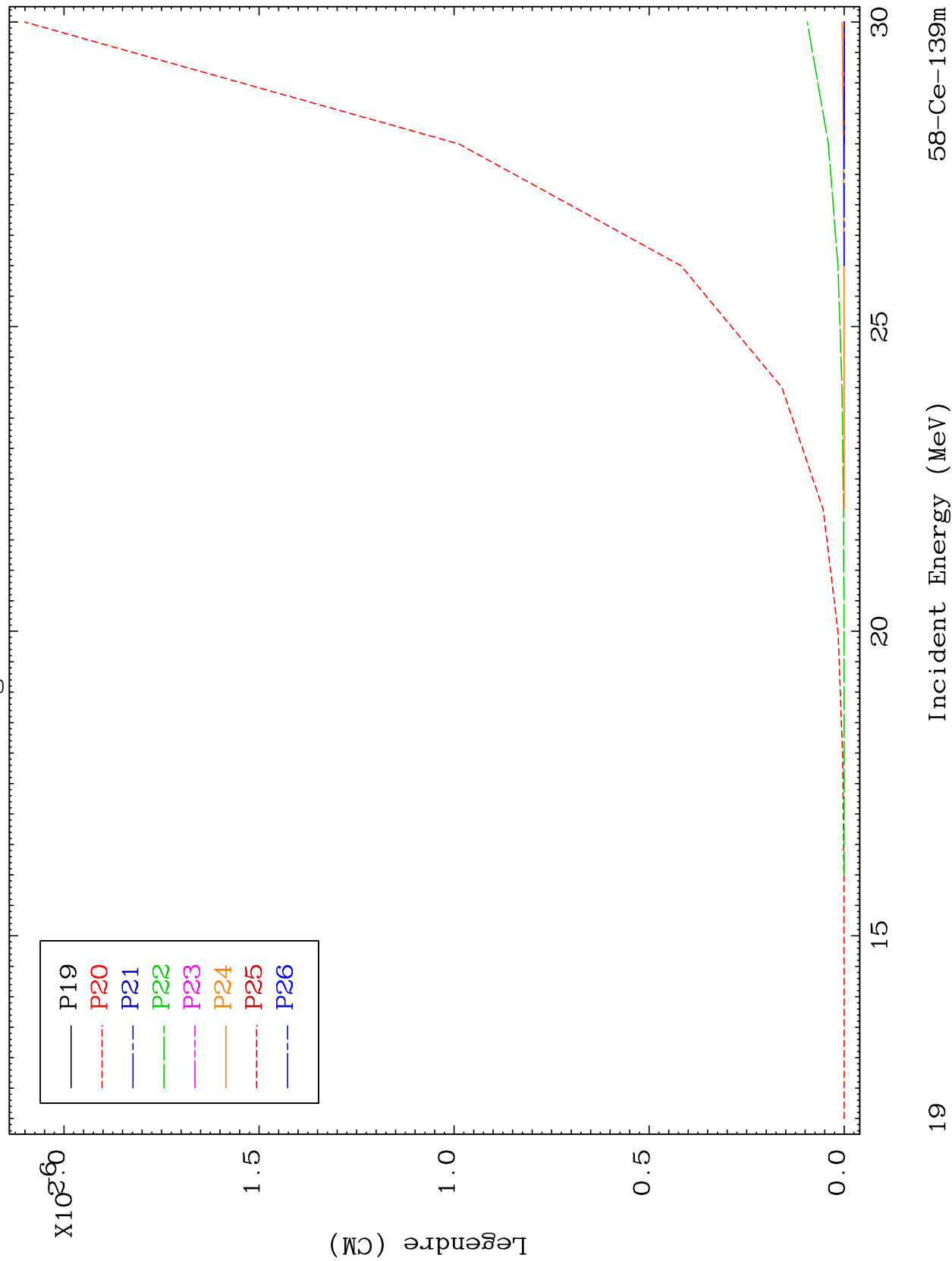
Incident Energy (MeV)

58-Ce-139m

MAT 5835

Elastic Legendre Coefficients

58-Ce-139m



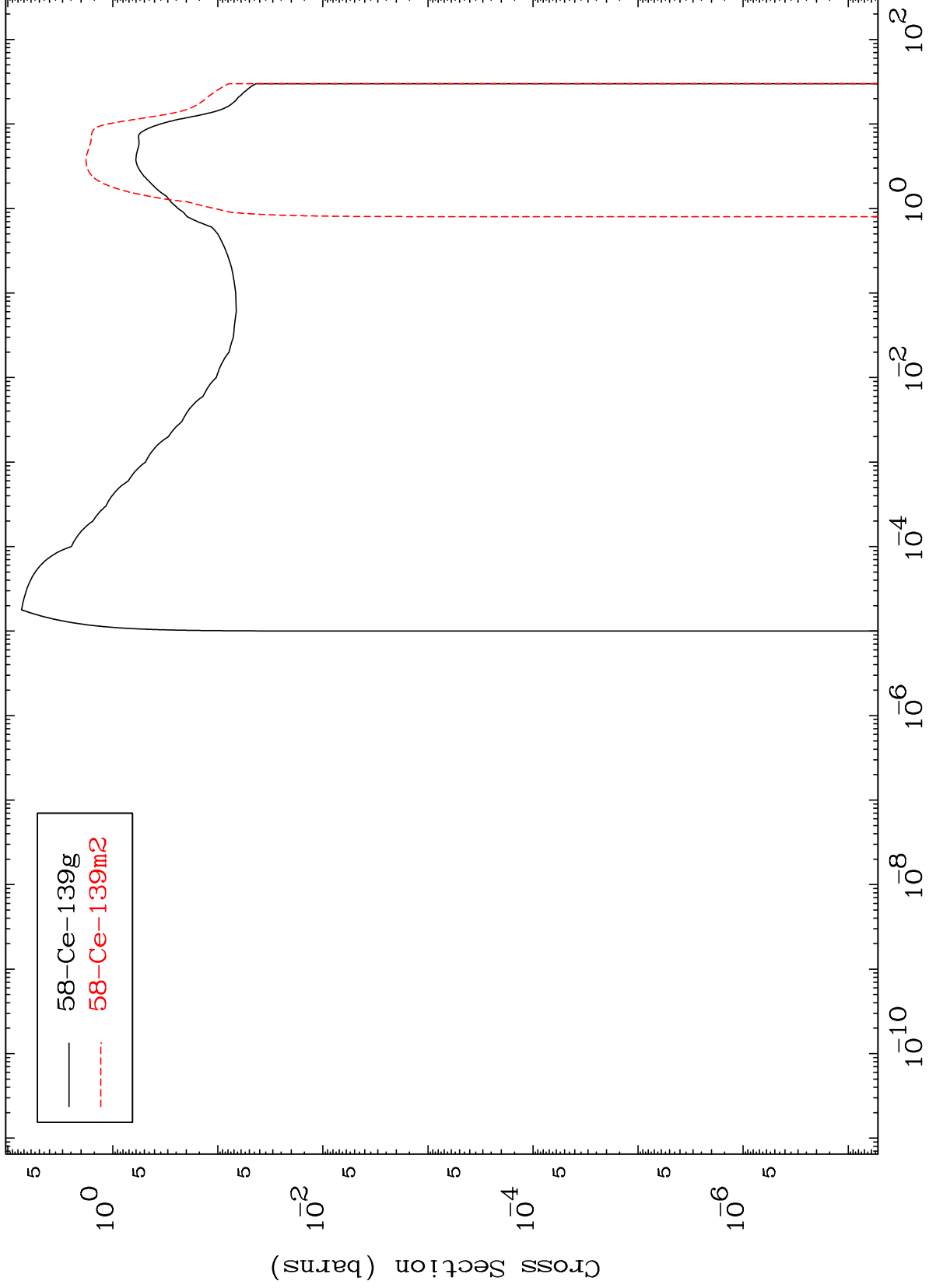
19

58-Ce-139m

MAT 5835

Radionuclide Production Cross Section

58-Ce-139m



20

Incident Energy (MeV)

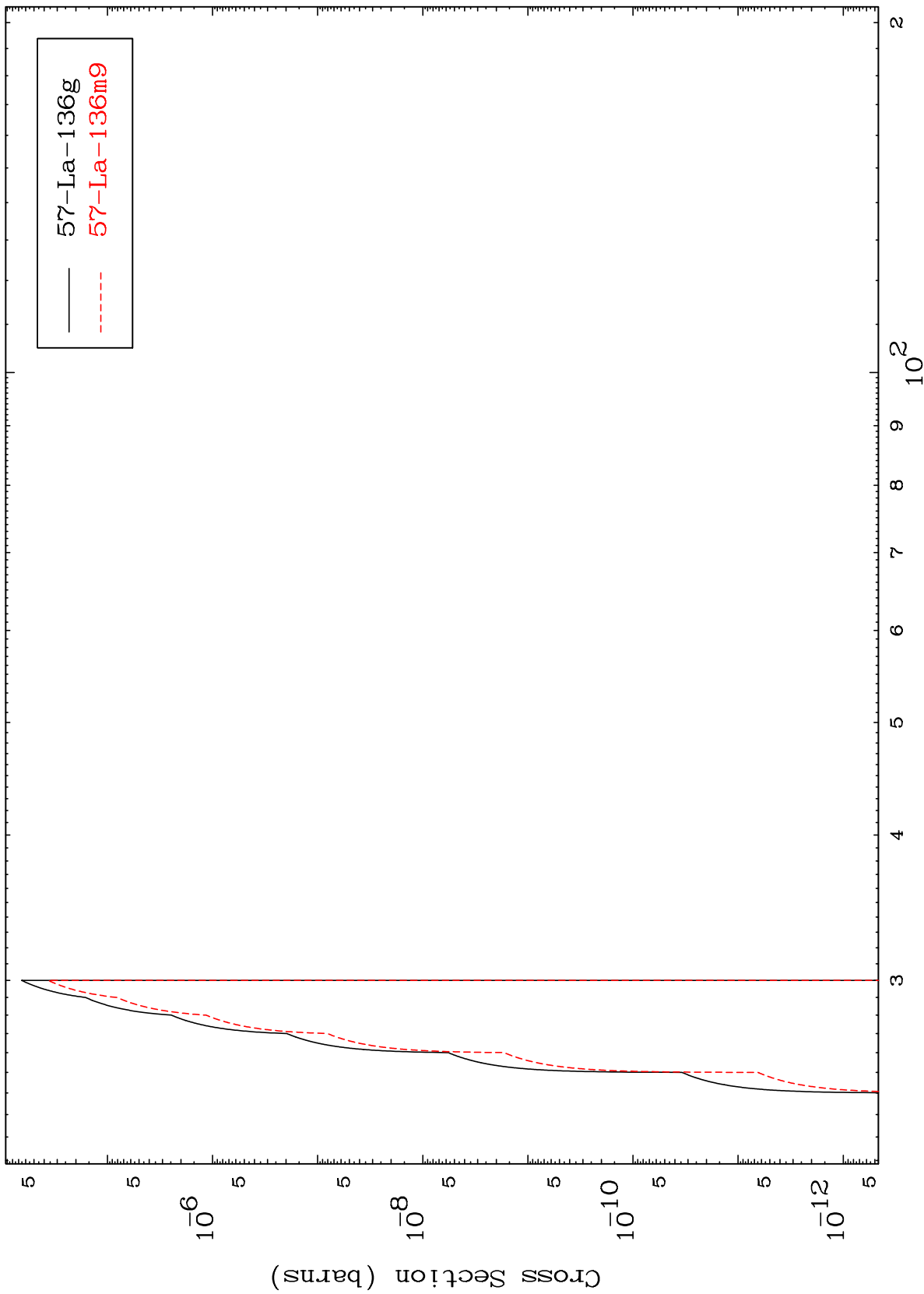
58-Ce-139m

MAT 5835

(n,2n) d

58-Ce-139m

Radionuclide Production Cross Section

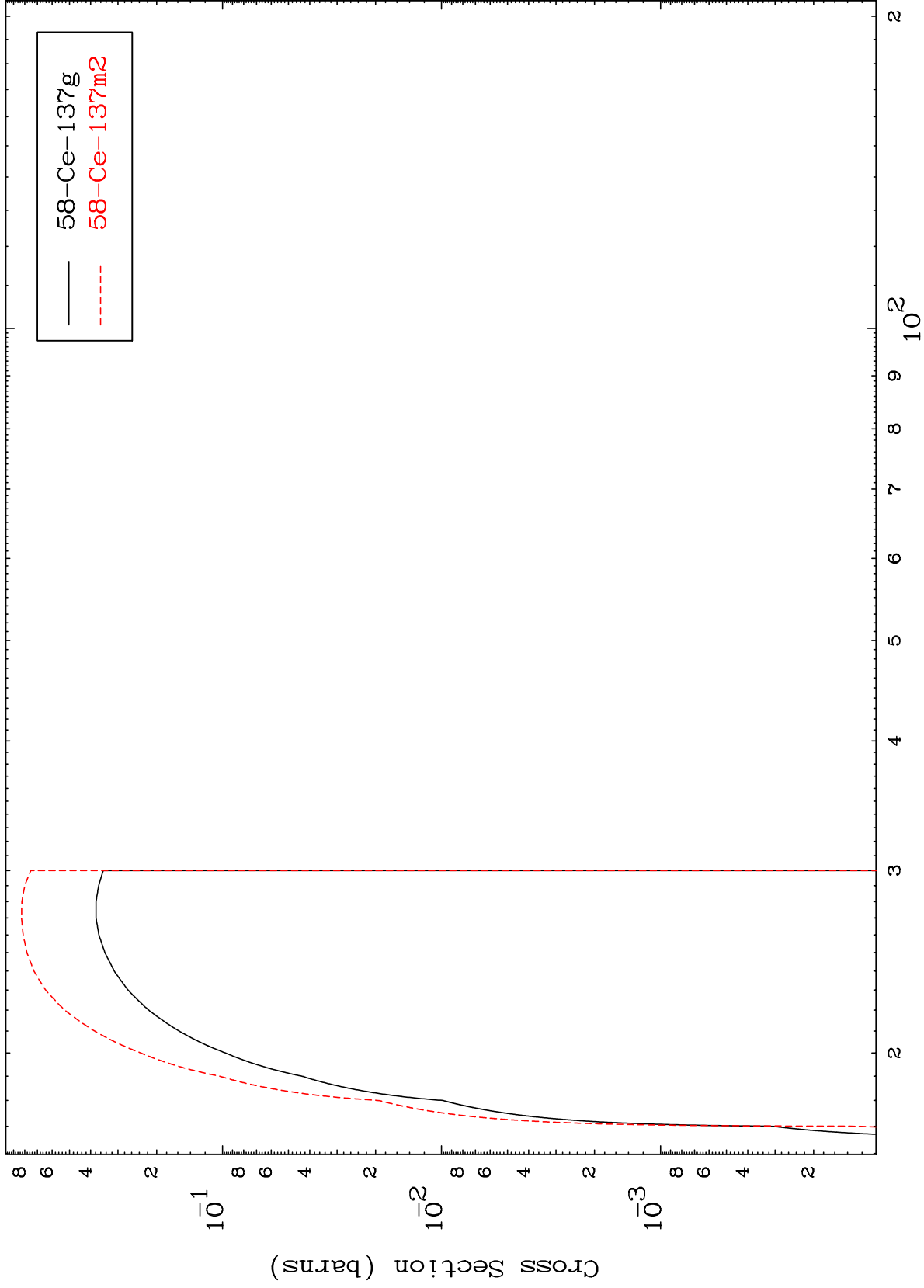


MAT 5835

(n,3n)

58-Ce-139m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

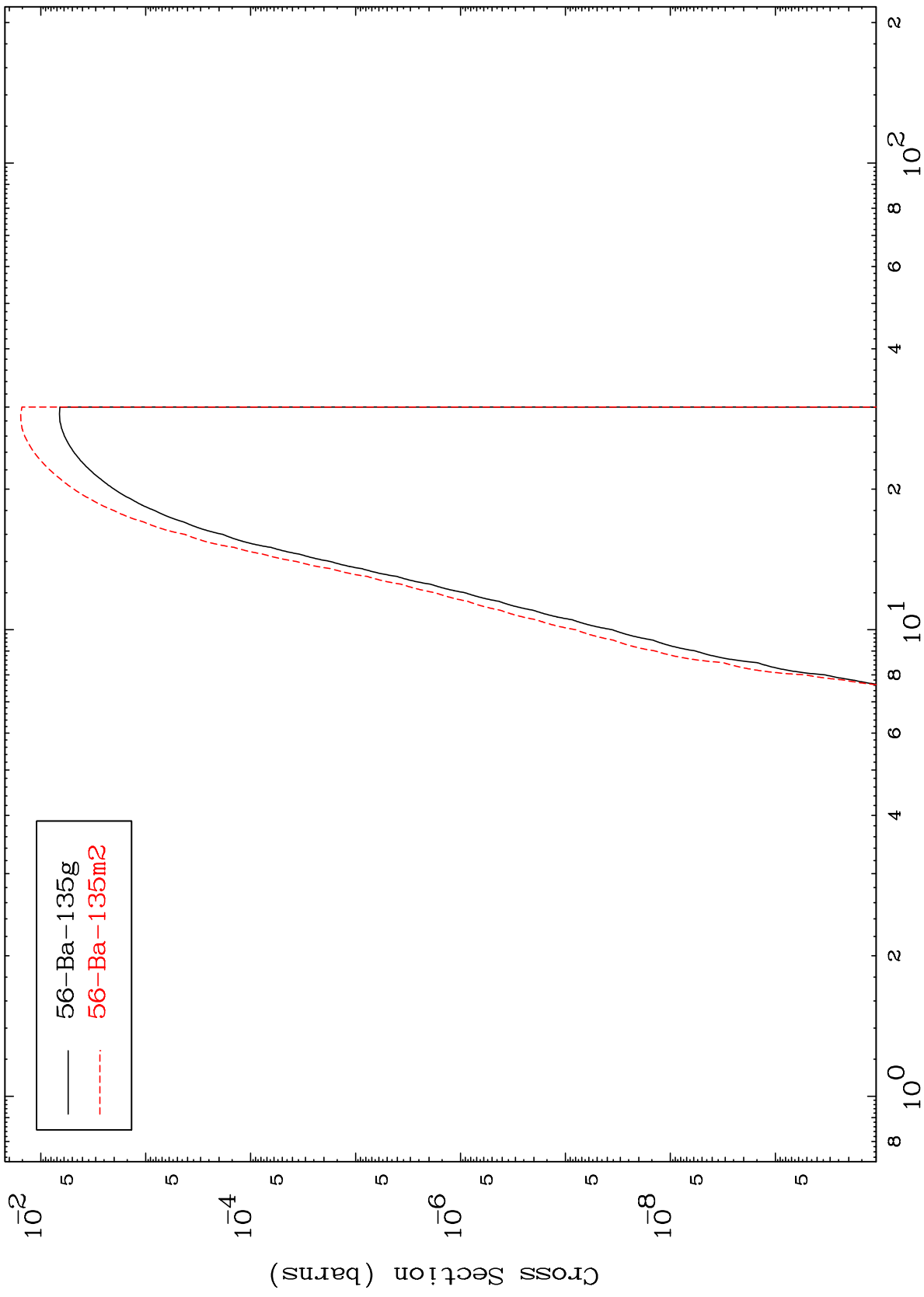
58-Ce-139m

MAT 5835

(n,n') α

58-Ce-139m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

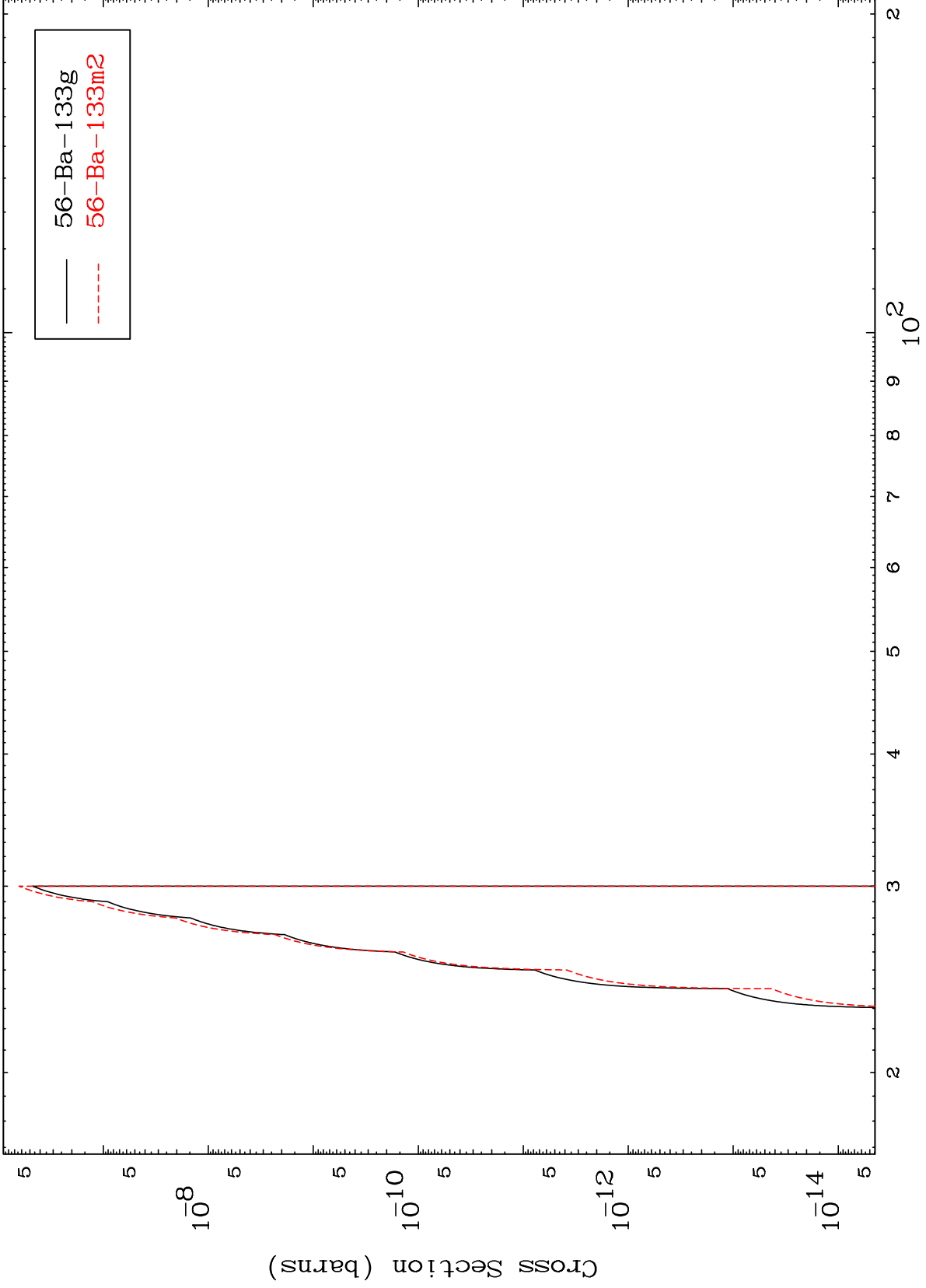
58-Ce-139m

MAT 5835

(n,3n) α

58-Ce-139m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

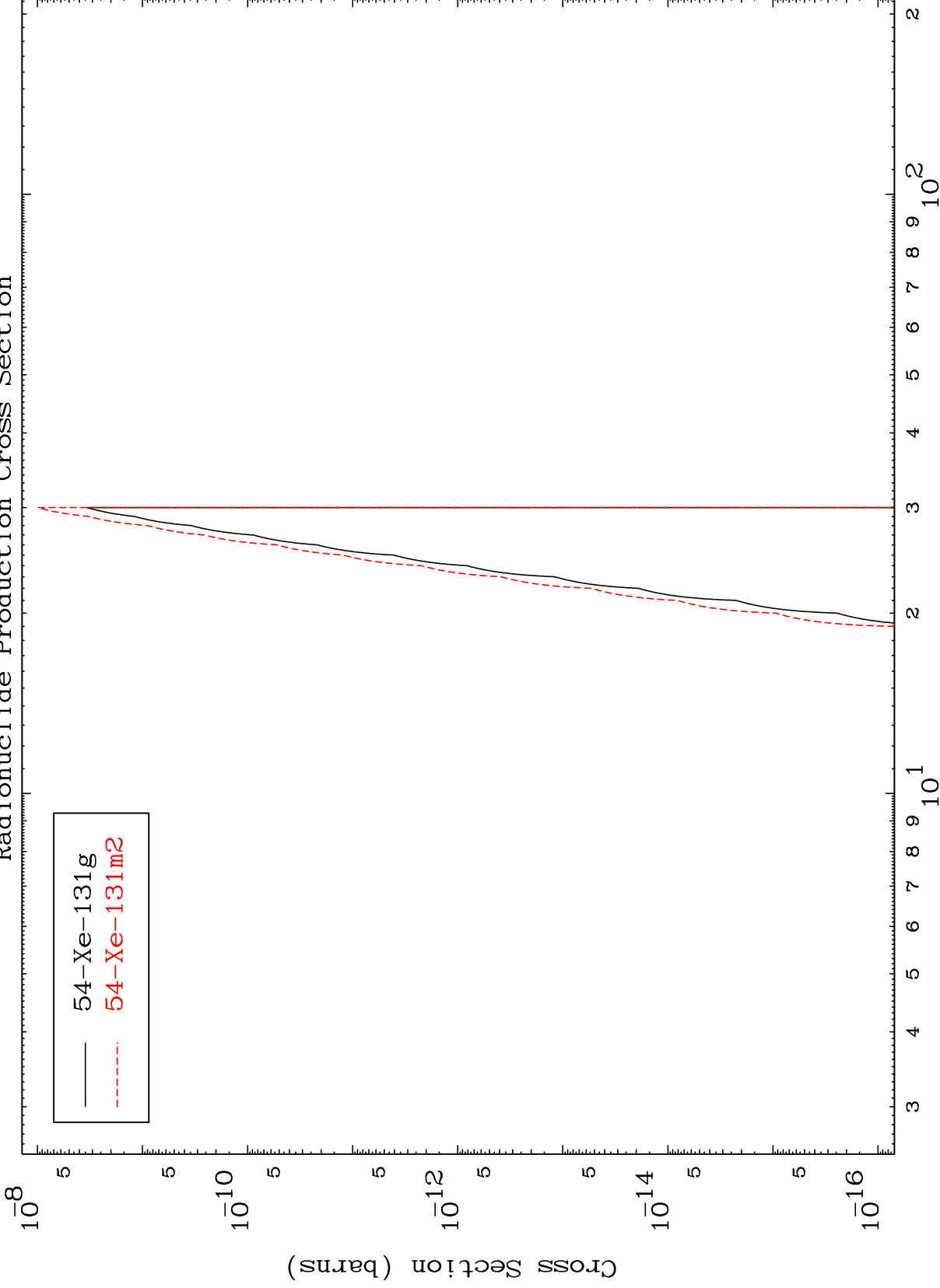
58-Ce-139m

MAT 5835

(n,n') 2α

58-Ce-139m

Radionuclide Production Cross Section



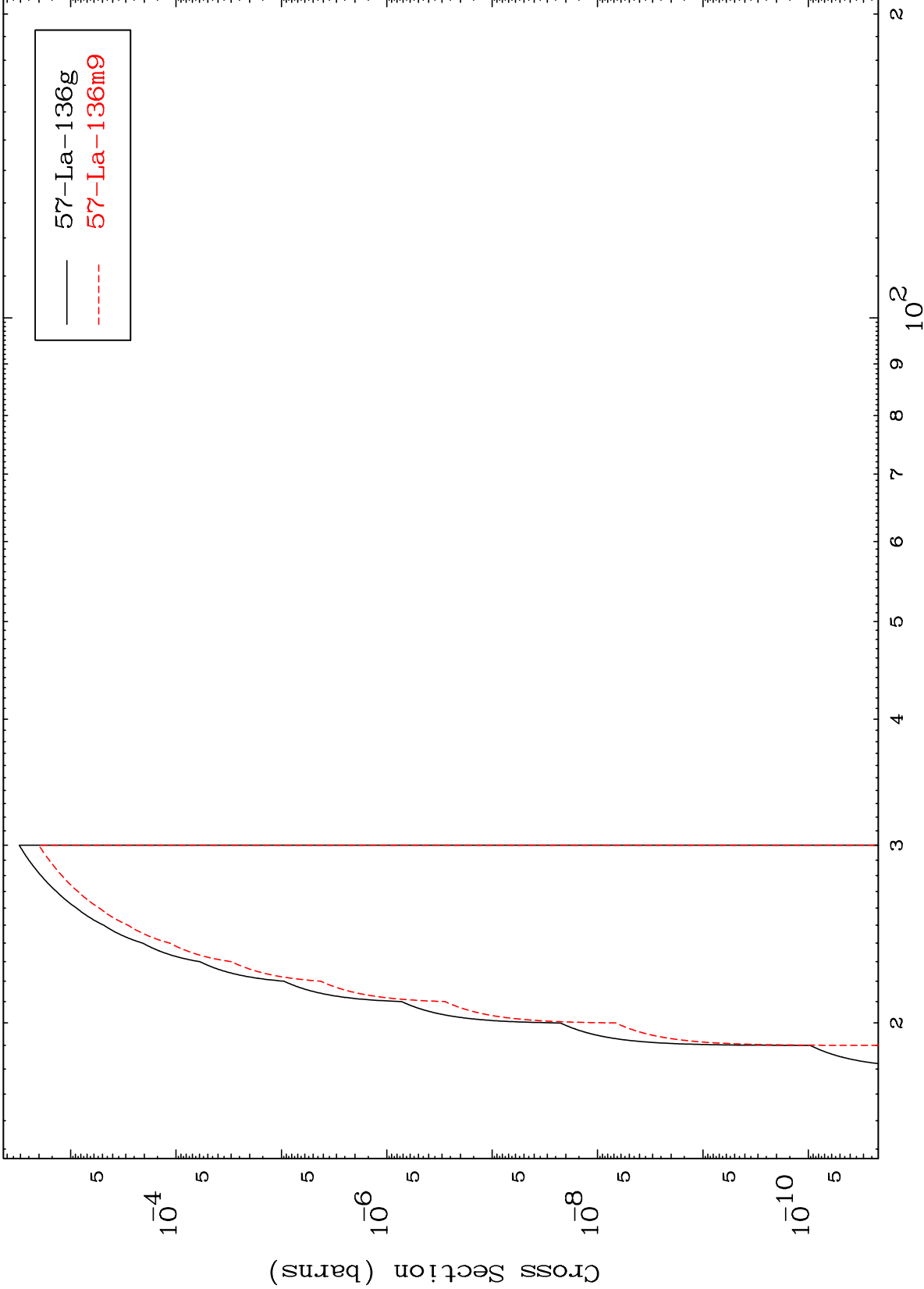
— 54-Xe-131g
- - - 54-Xe-131m2

MAT 5835

(n,n') t

58-Ce-139m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

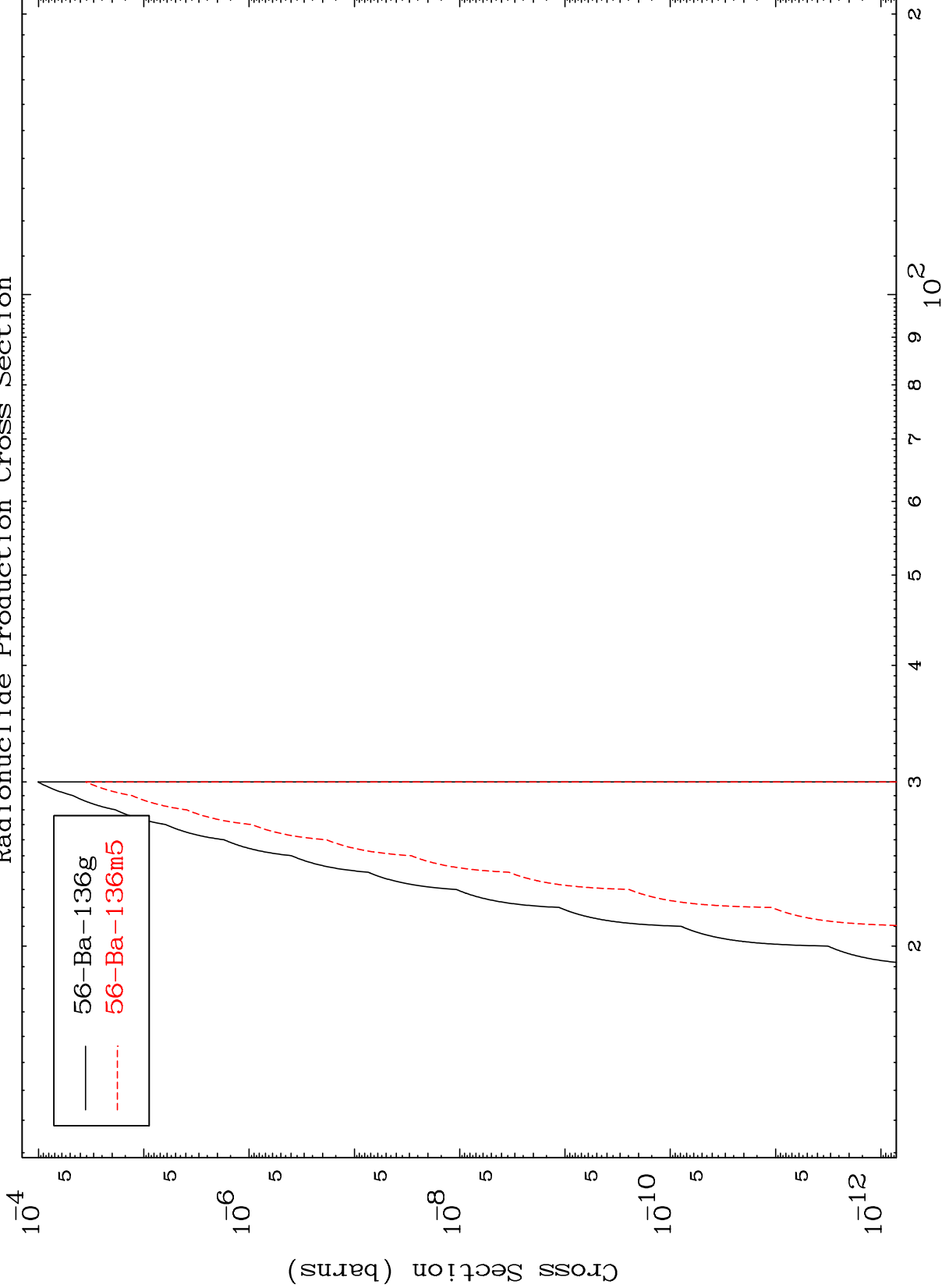
58-Ce-139m

MAT 5835

(n,n') He-3

58-Ce-139m

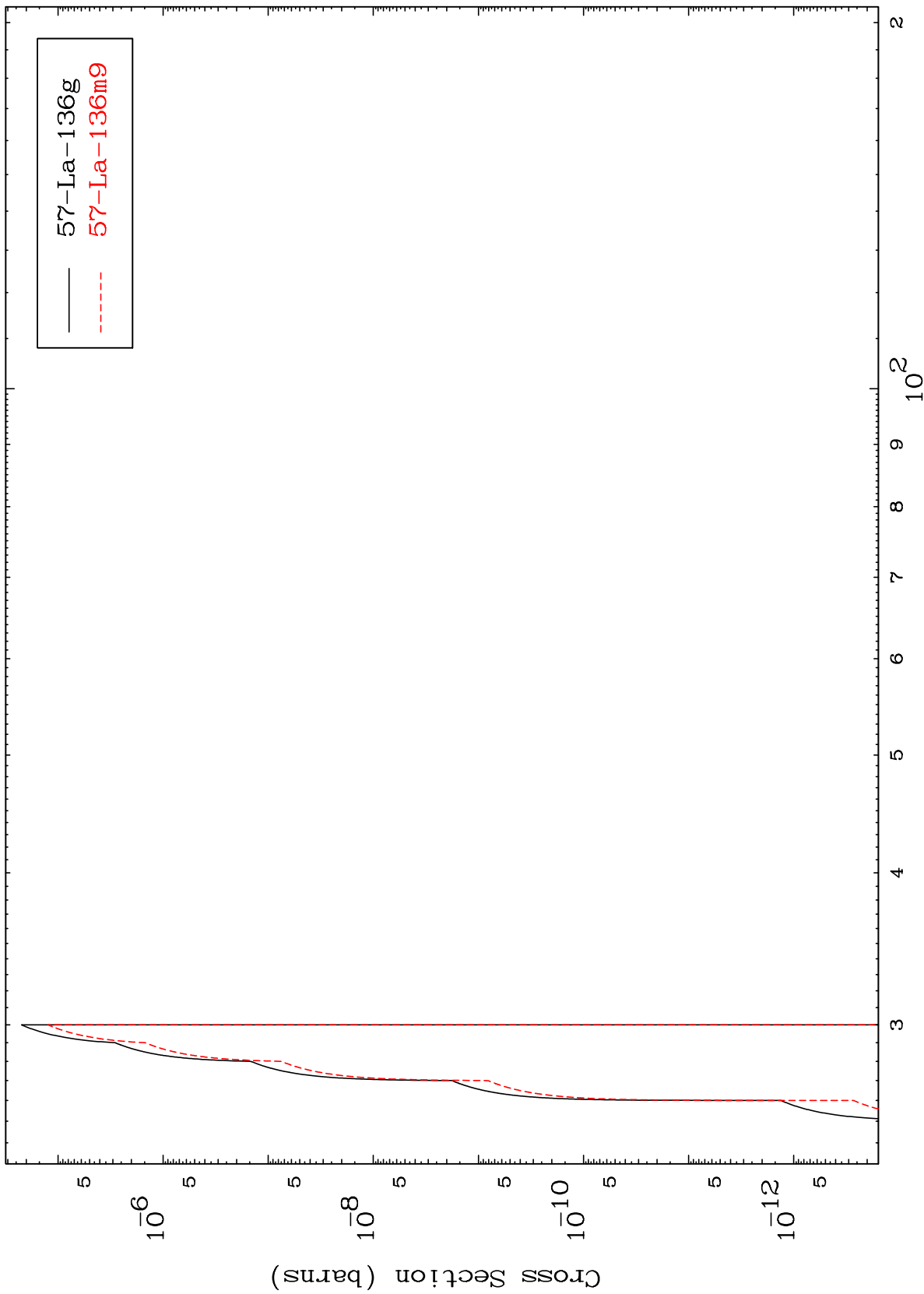
Radionuclide Production Cross Section



MAT 5835

58-Ce-139m

(n,3n) p
Radionuclide Production Cross Section



58-Ce-139m

Incident Energy (MeV)

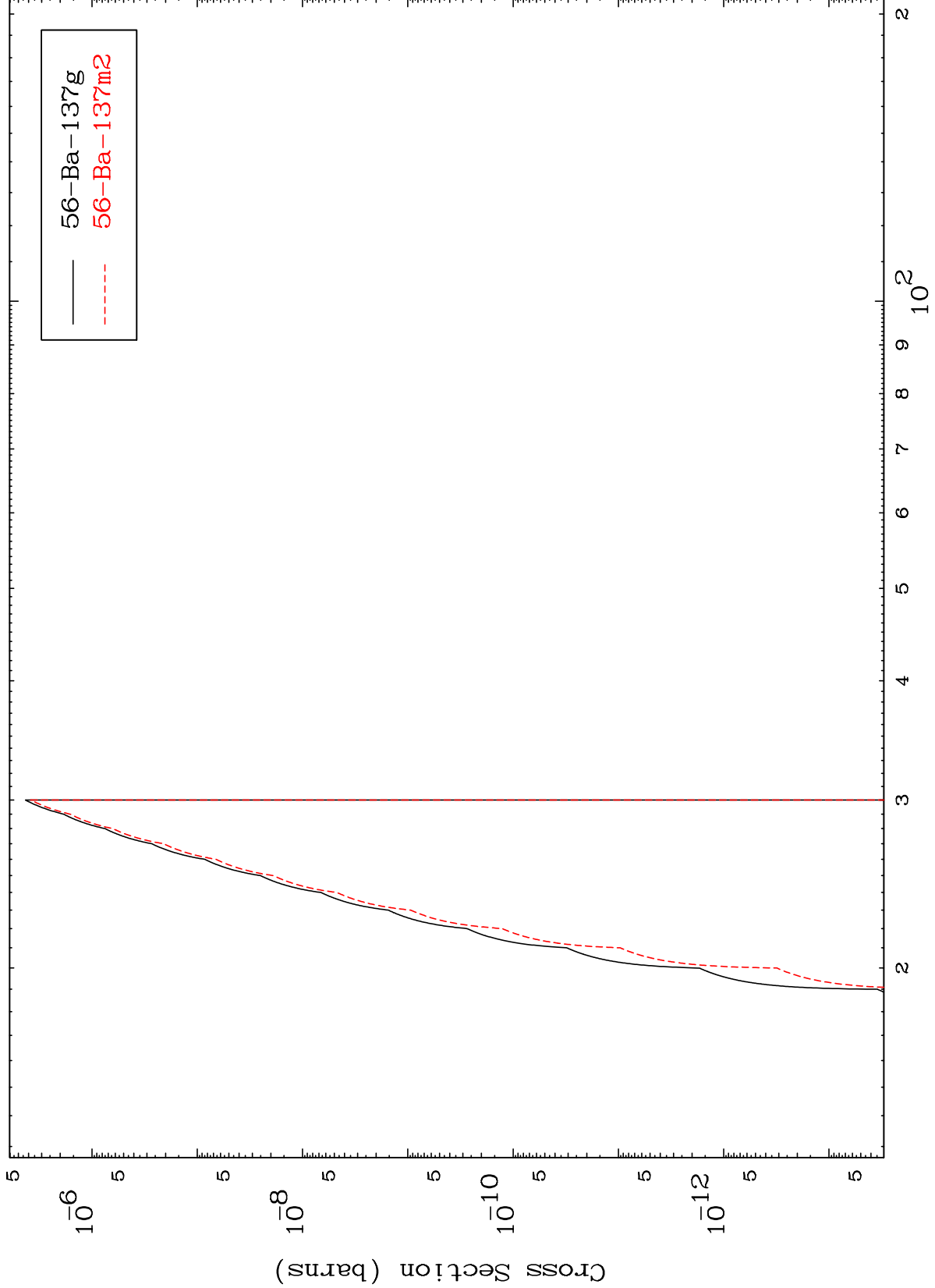
28

MAT 5835

(n,2n) p

58-Ce-139m

Radionuclide Production Cross Section



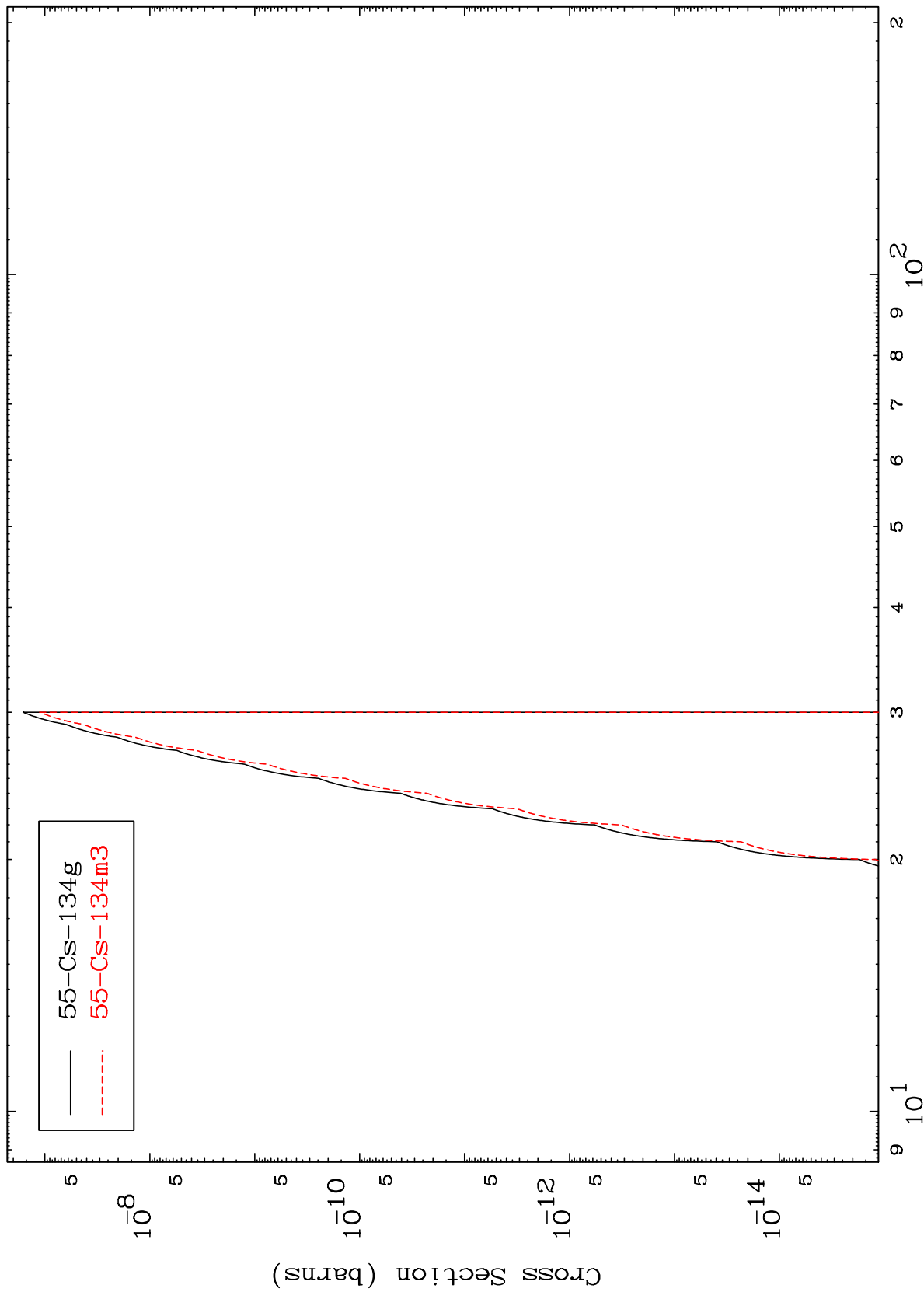
56-Ba-137g
56-Ba-137m2

MAT 5835

(n,n') p α

58-Ce-139m

Radionuclide Production Cross Section



55-Cs-134g
55-Cs-134m3

Incident Energy (MeV)

58-Ce-139m

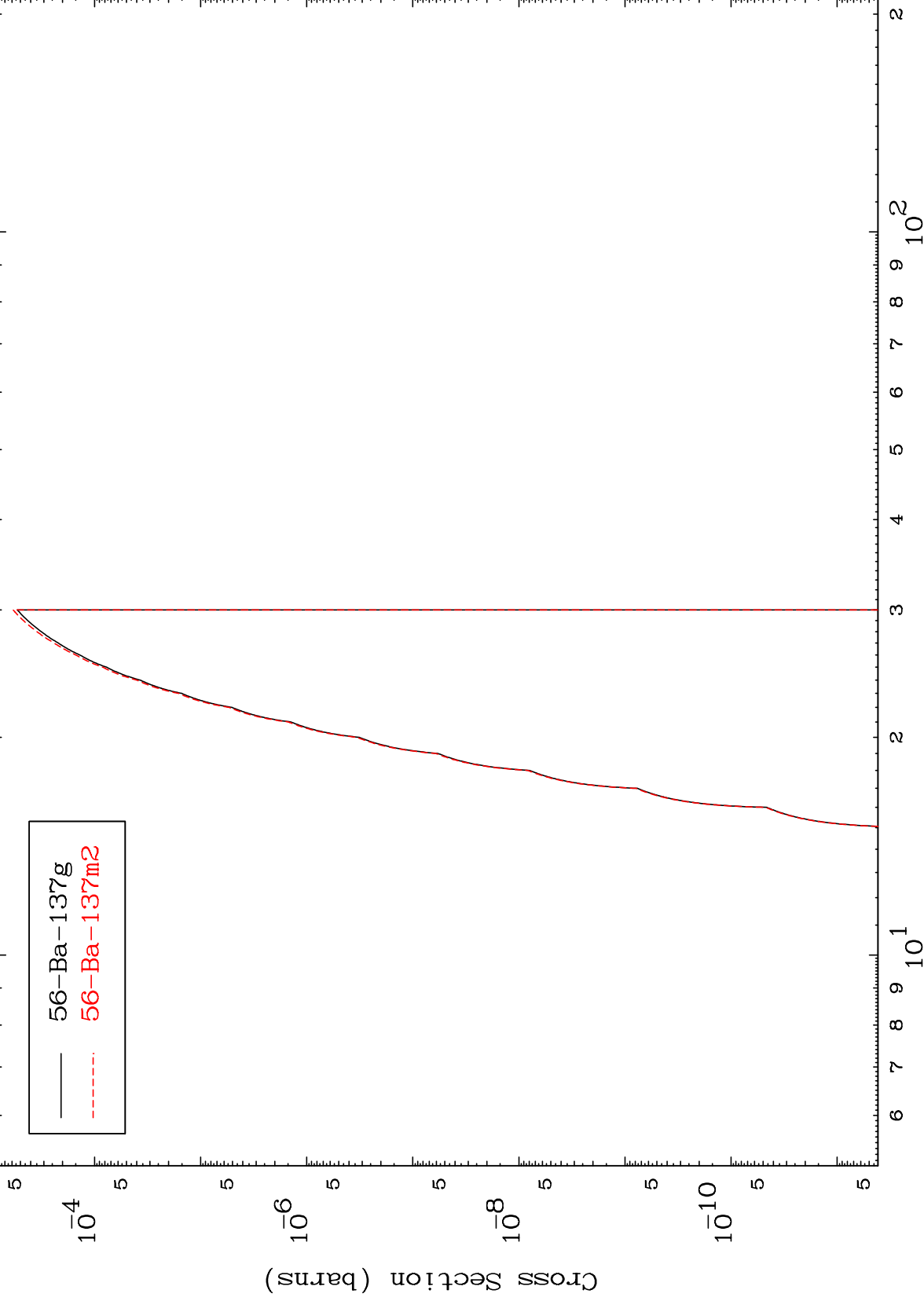
30

MAT 5835

(n,He-3)

58-Ce-139m

Radionuclide Production Cross Section



31

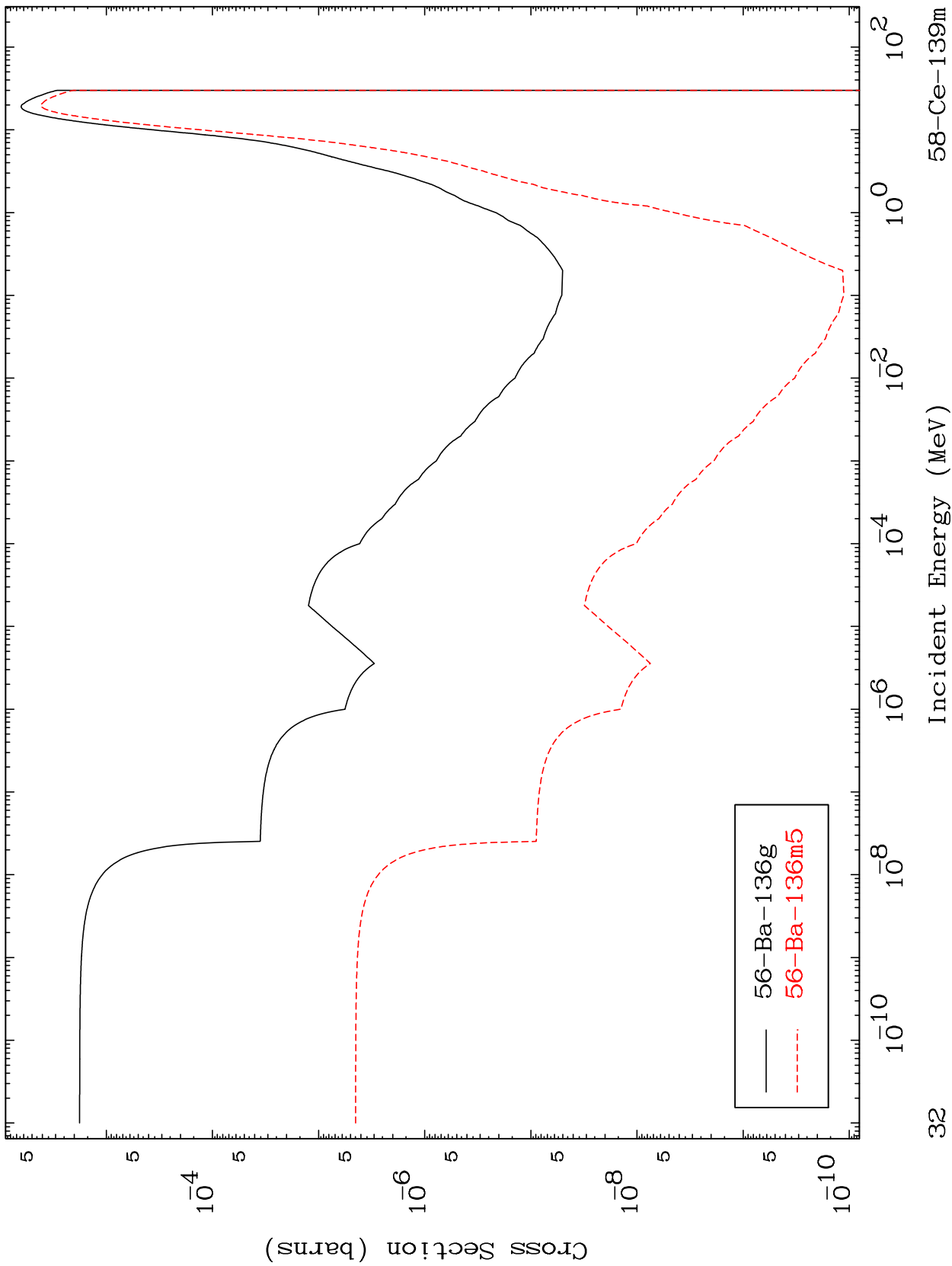
Incident Energy (MeV)

58-Ce-139m

MAT 5835

58-Ce-139m

Radionuclide Production Cross Section
(n, α)

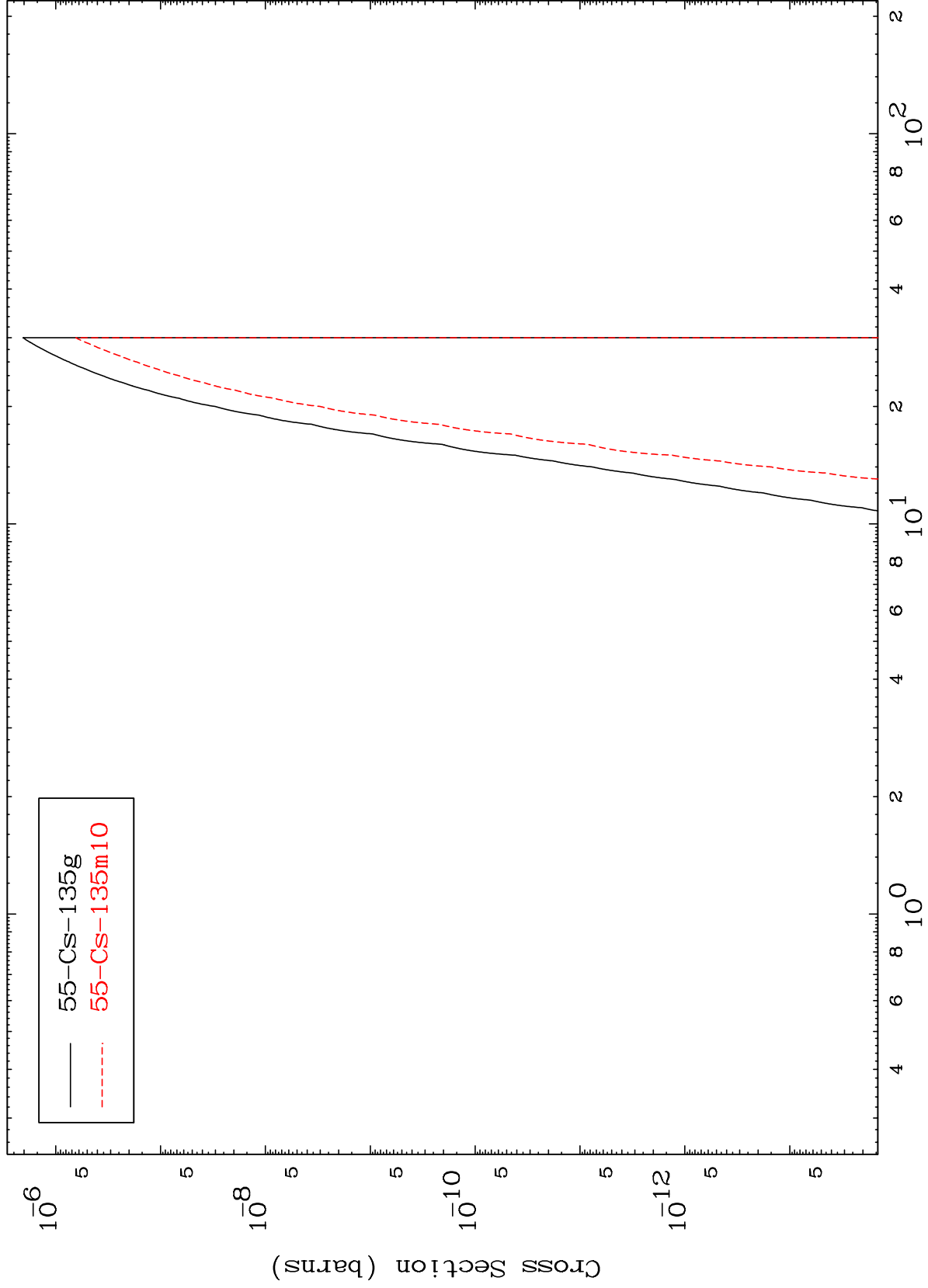


MAT 5835

(n,p) α

58-Ce-139m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

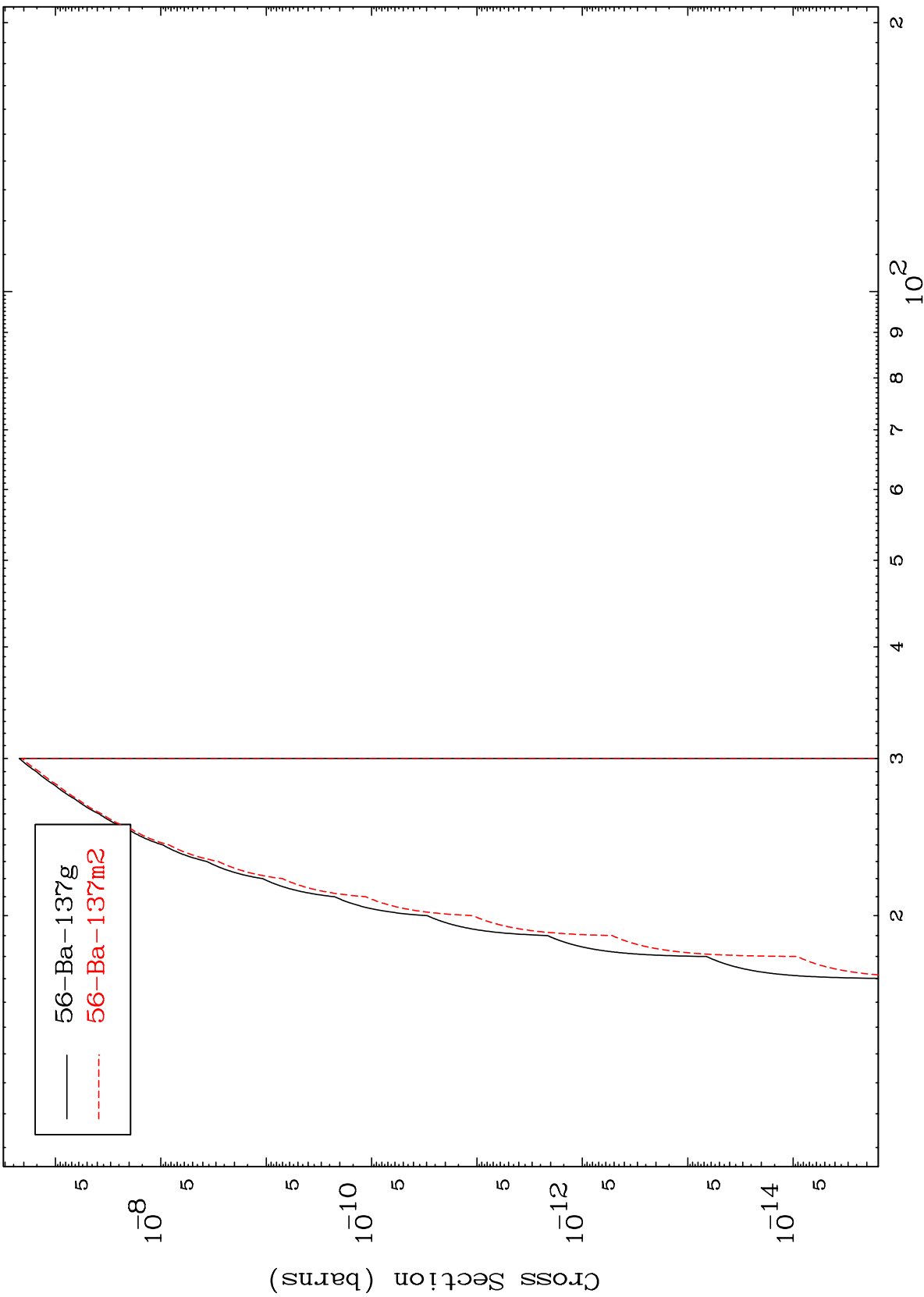
58-Ce-139m

MAT 5835

(n,p) d

58-Ce-139m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

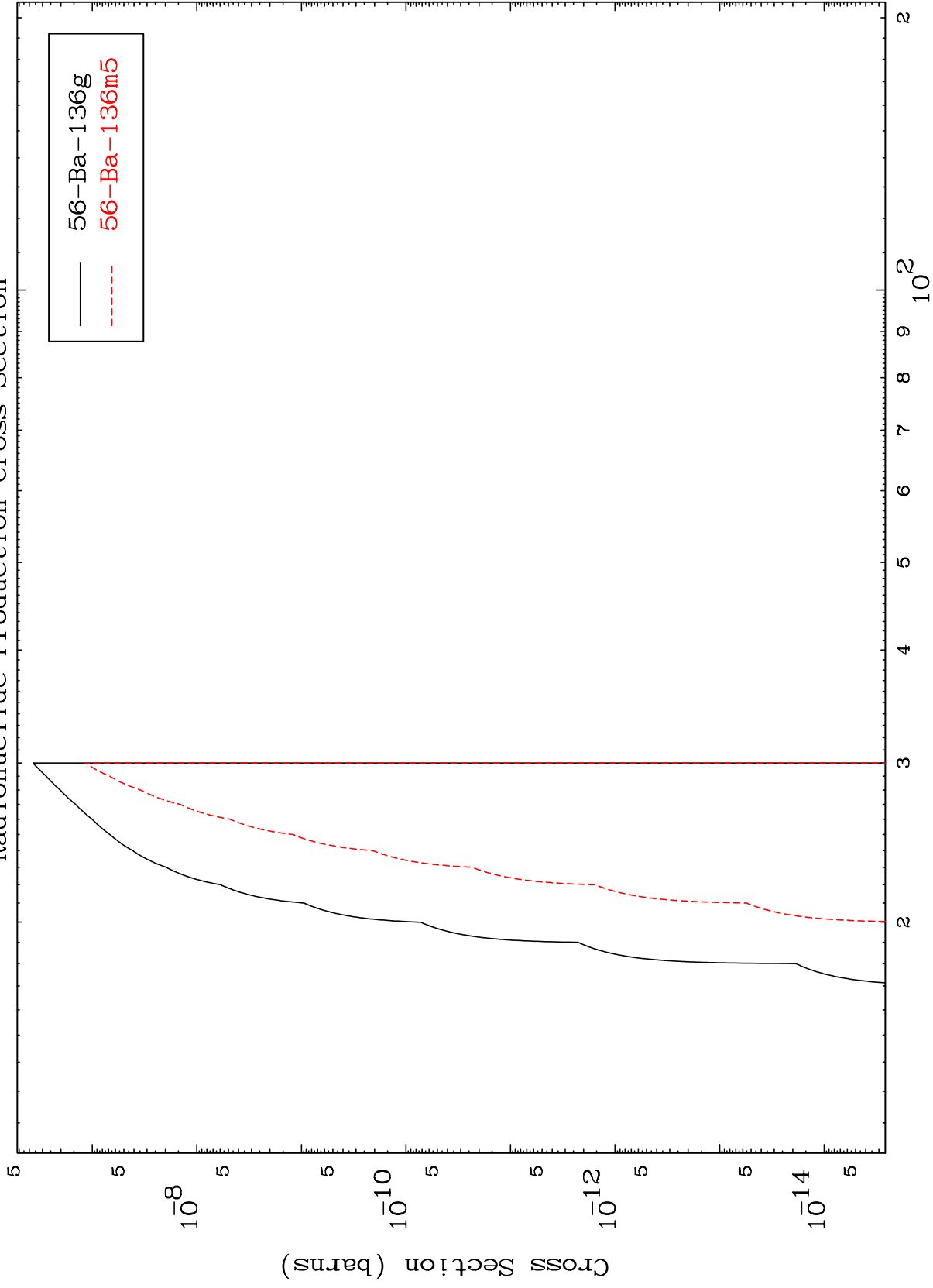
58-Ce-139m

MAT 5835

(n,p) t

58-Ce-139m

Radionuclide Production Cross Section



35

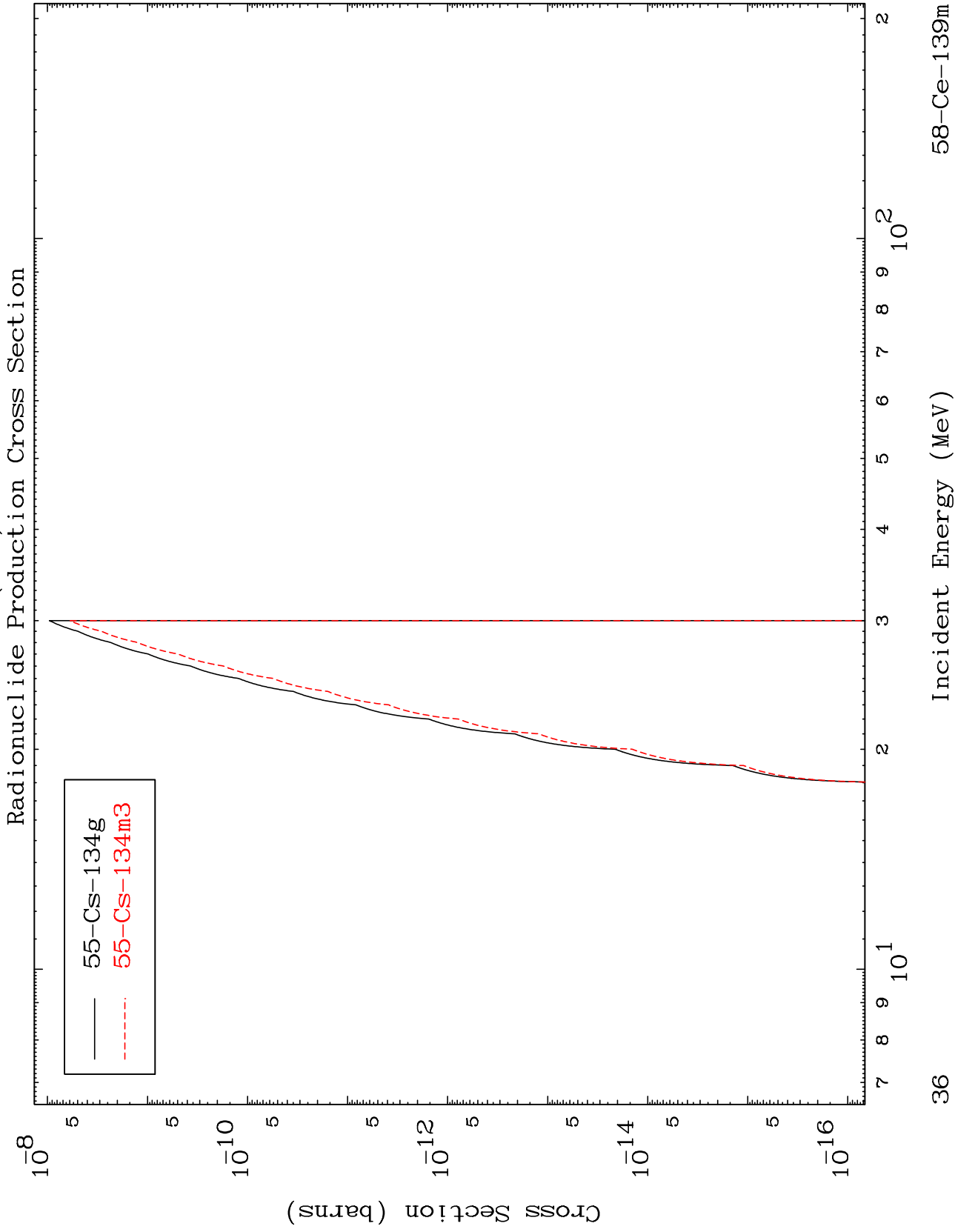
Incident Energy (MeV)

58-Ce-139m

MAT 5835

(n,d) α

58-Ce-139m



36