

Program EVALPLOT  
(Version 2018-1)

by

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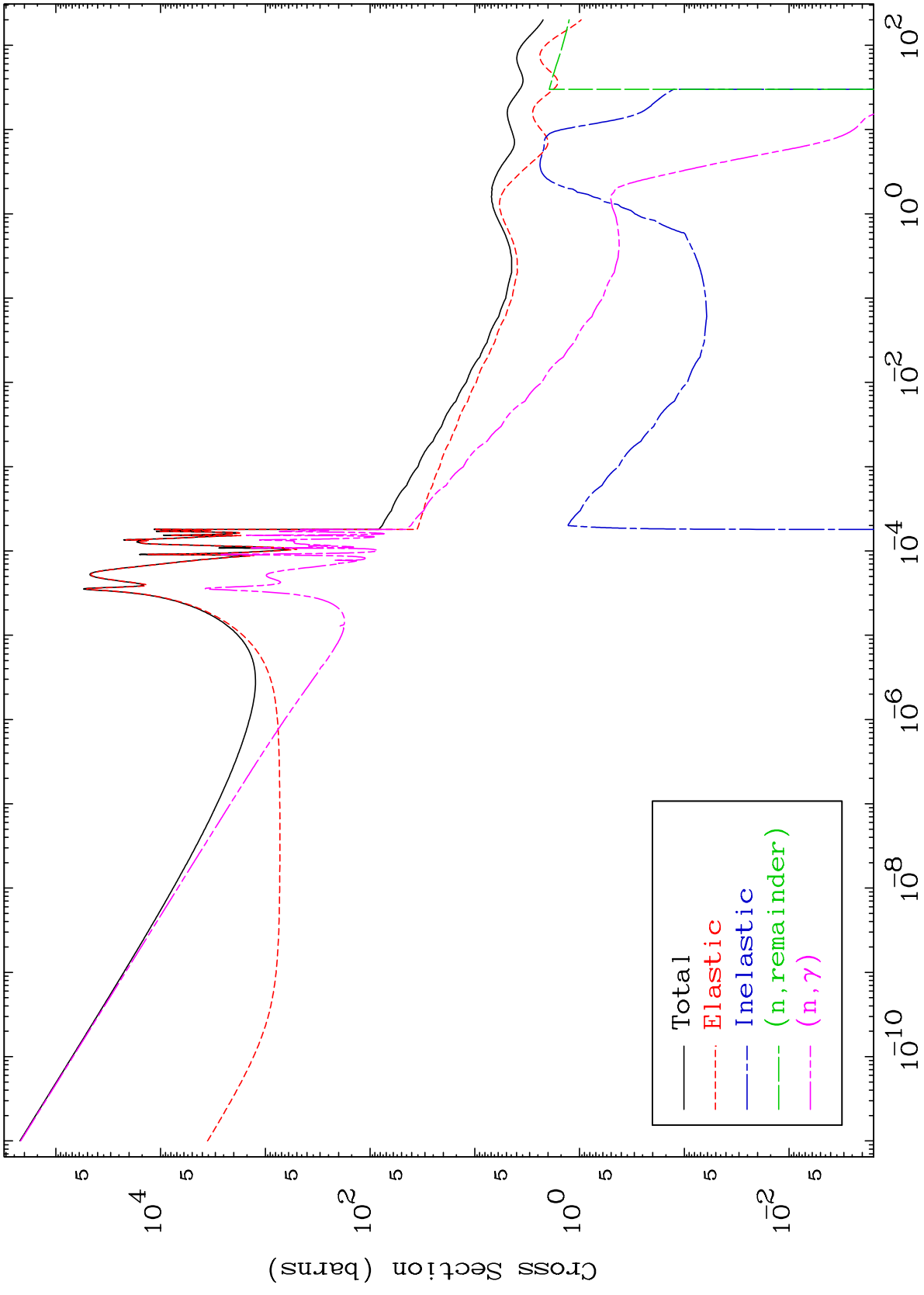
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5835

Major  
293 Kelvin Cross Sections

58-Ce-139

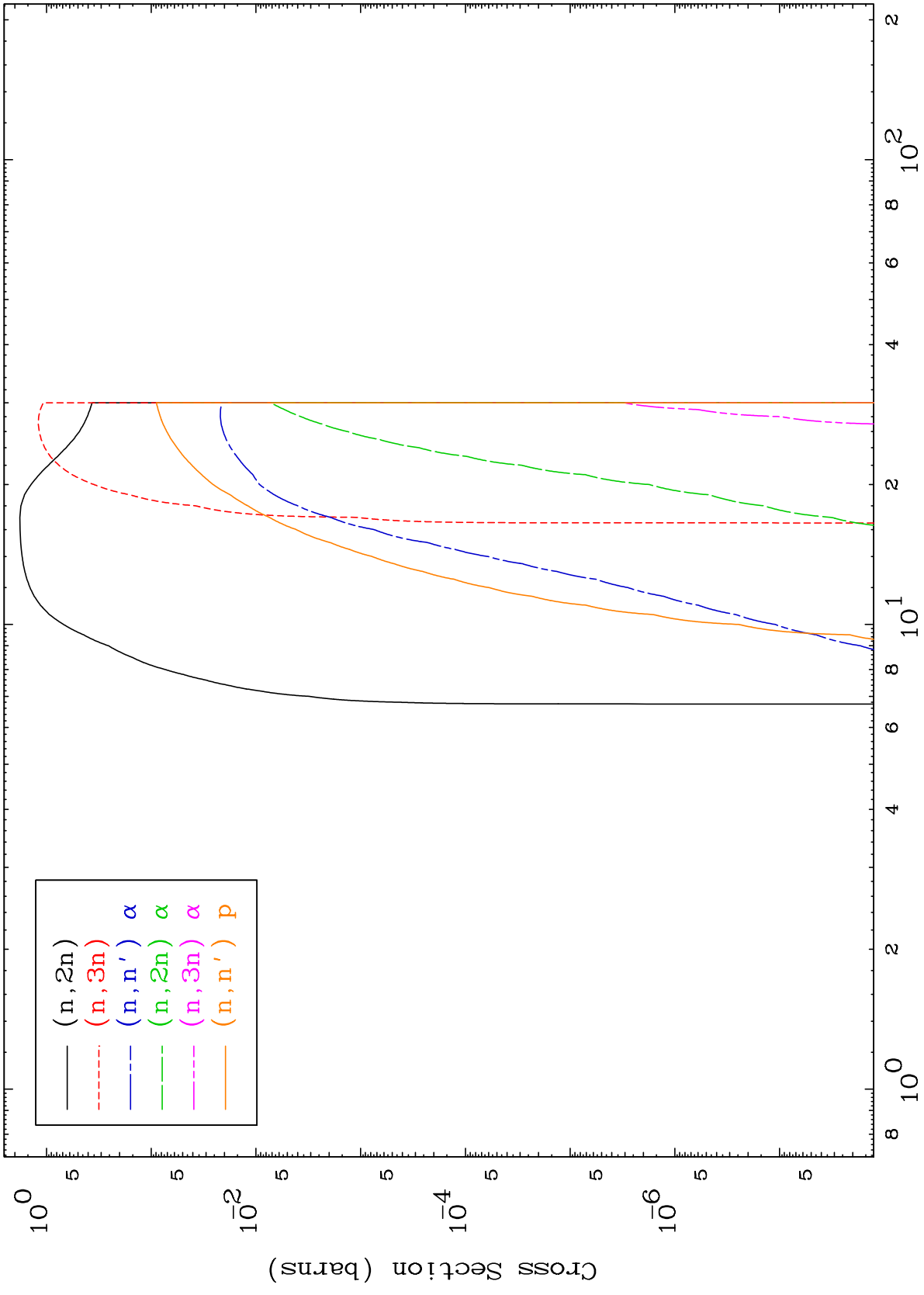


58-Ce-139

MAT 5835

Neutron Production  
293 Kelvin Cross Sections

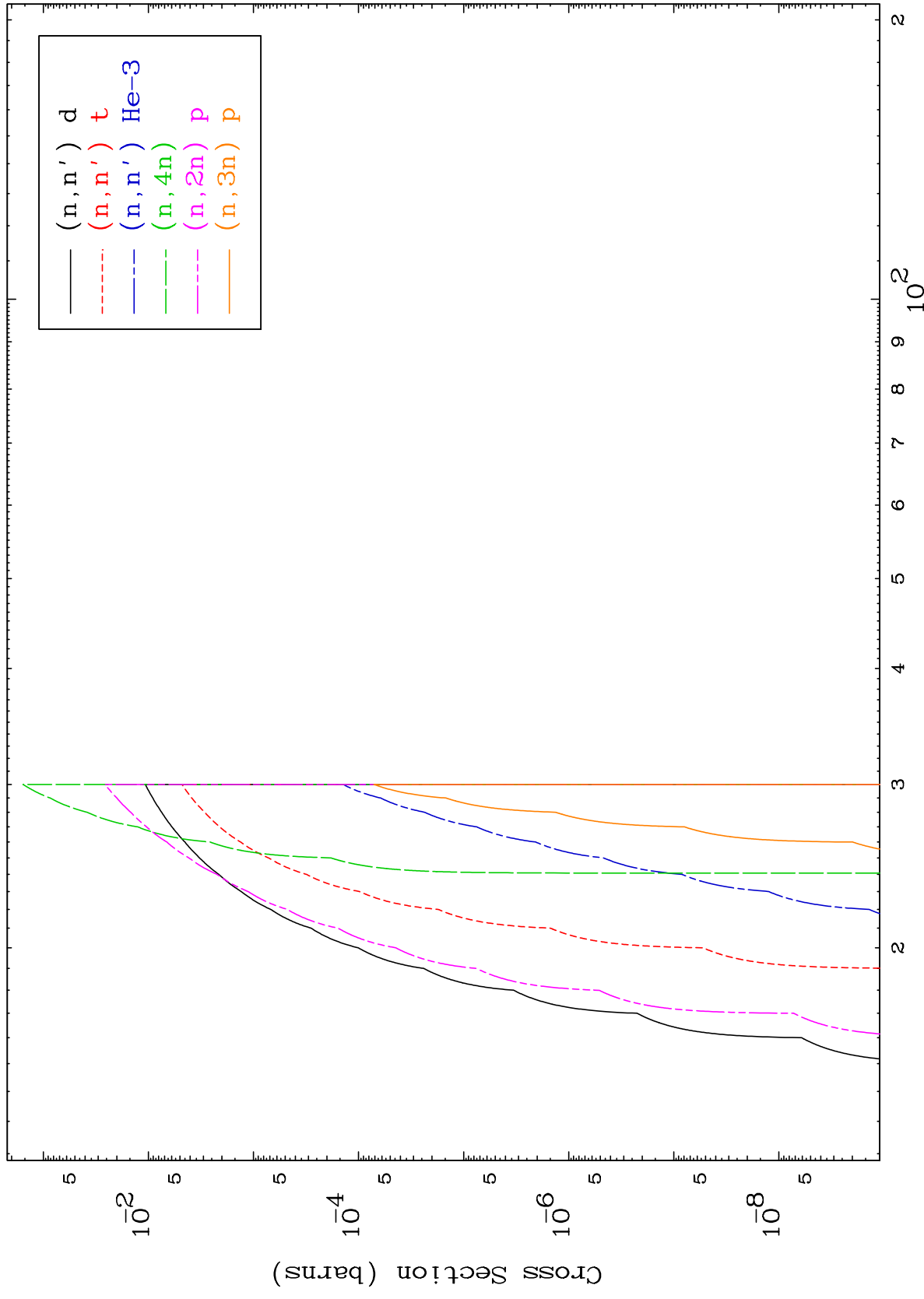
58-Ce-139



2

Incident Energy (MeV)

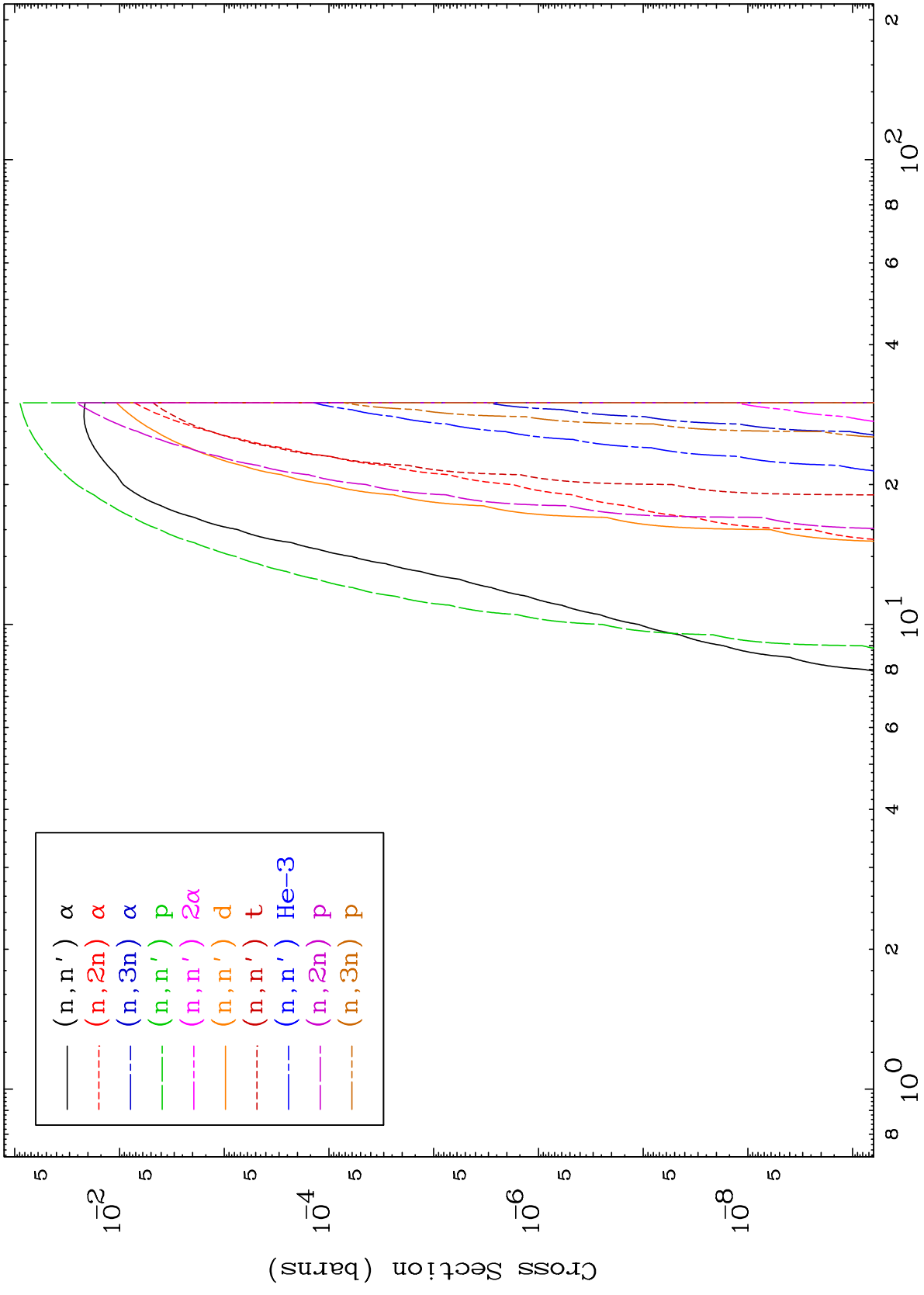
58-Ce-139



MAT 5835

Charged Particle  
293 Kelvin Cross Sections

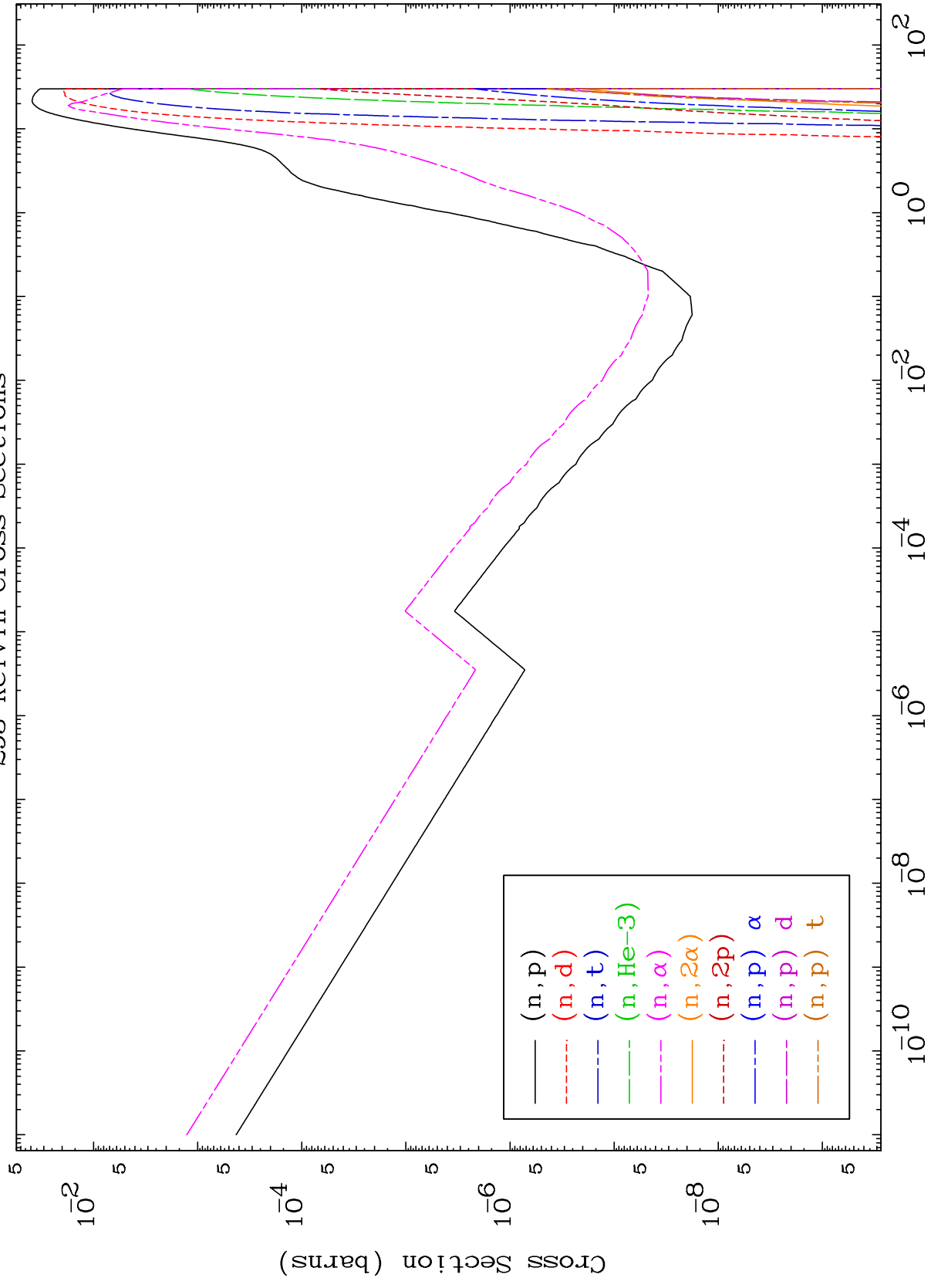
58-Ce-139



MAT 5835

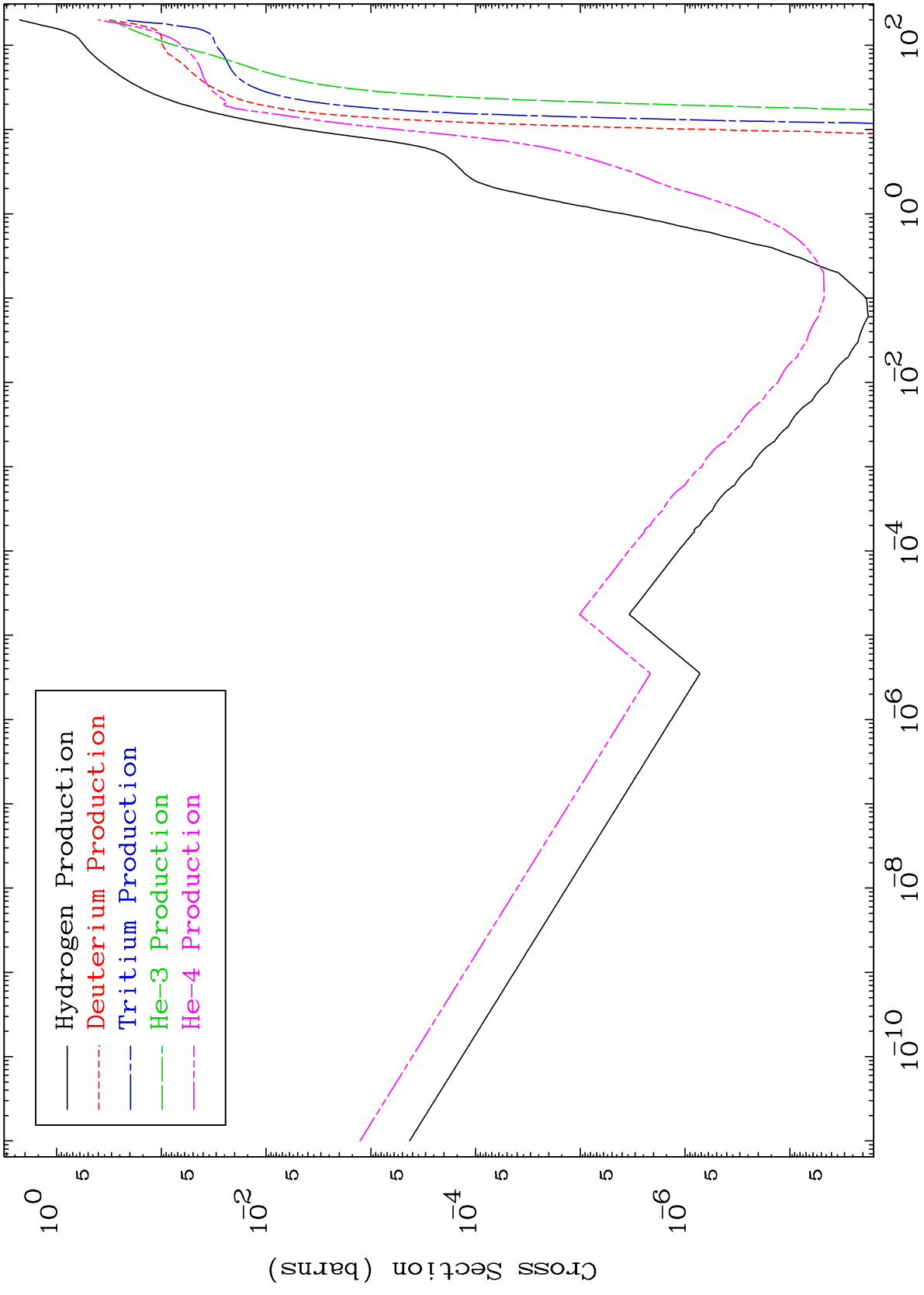
Charged Particle  
293 Kelvin Cross Sections

58-Ce-139



5

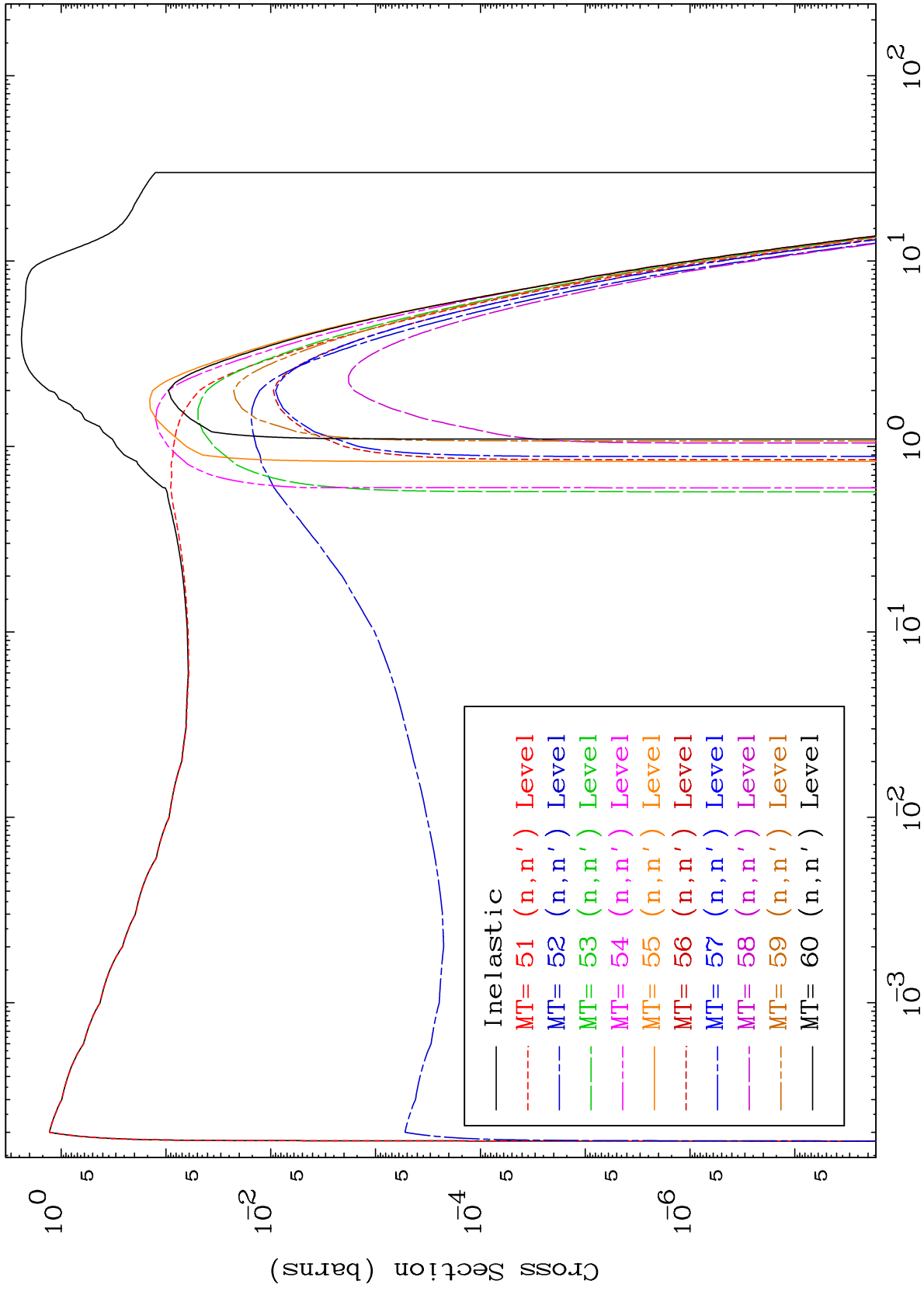
58-Ce-139



MAT 5835

(n,n') Level  
293 Kelvin Cross Sections

58-Ce-139



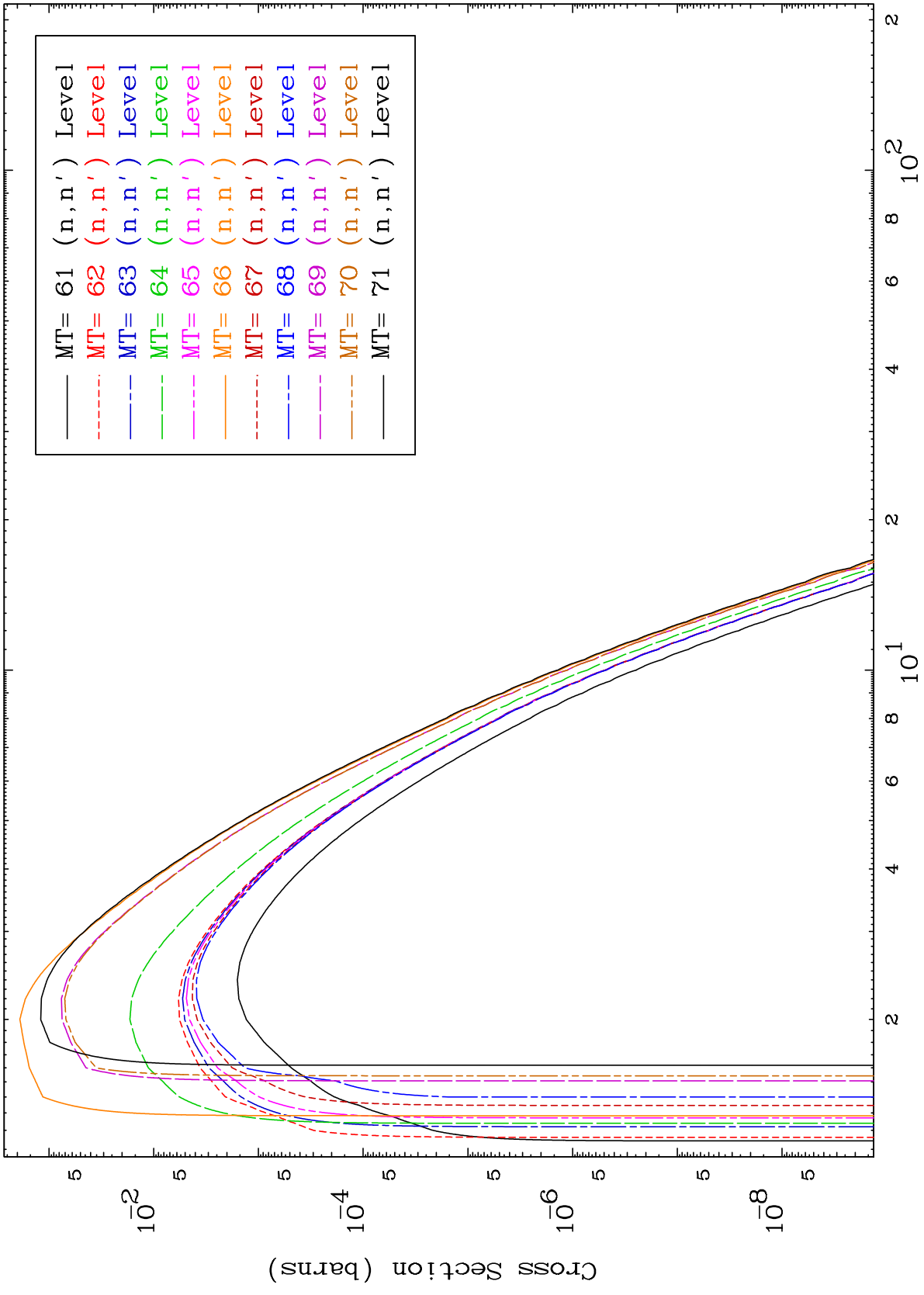


MAT 5835

(n,n') Level

58-Ce-139

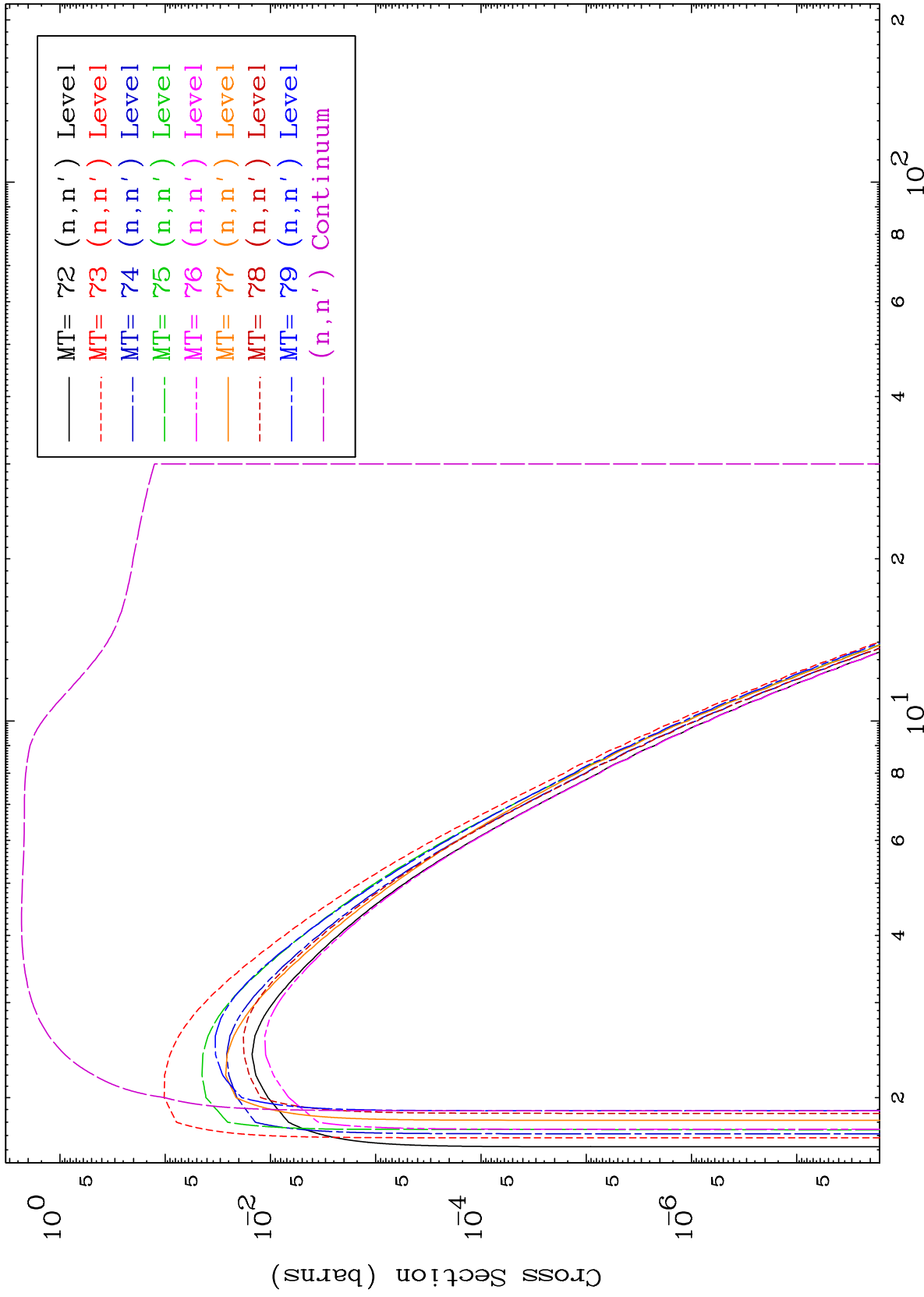
293 Kelvin Cross Sections



8

Incident Energy (MeV)

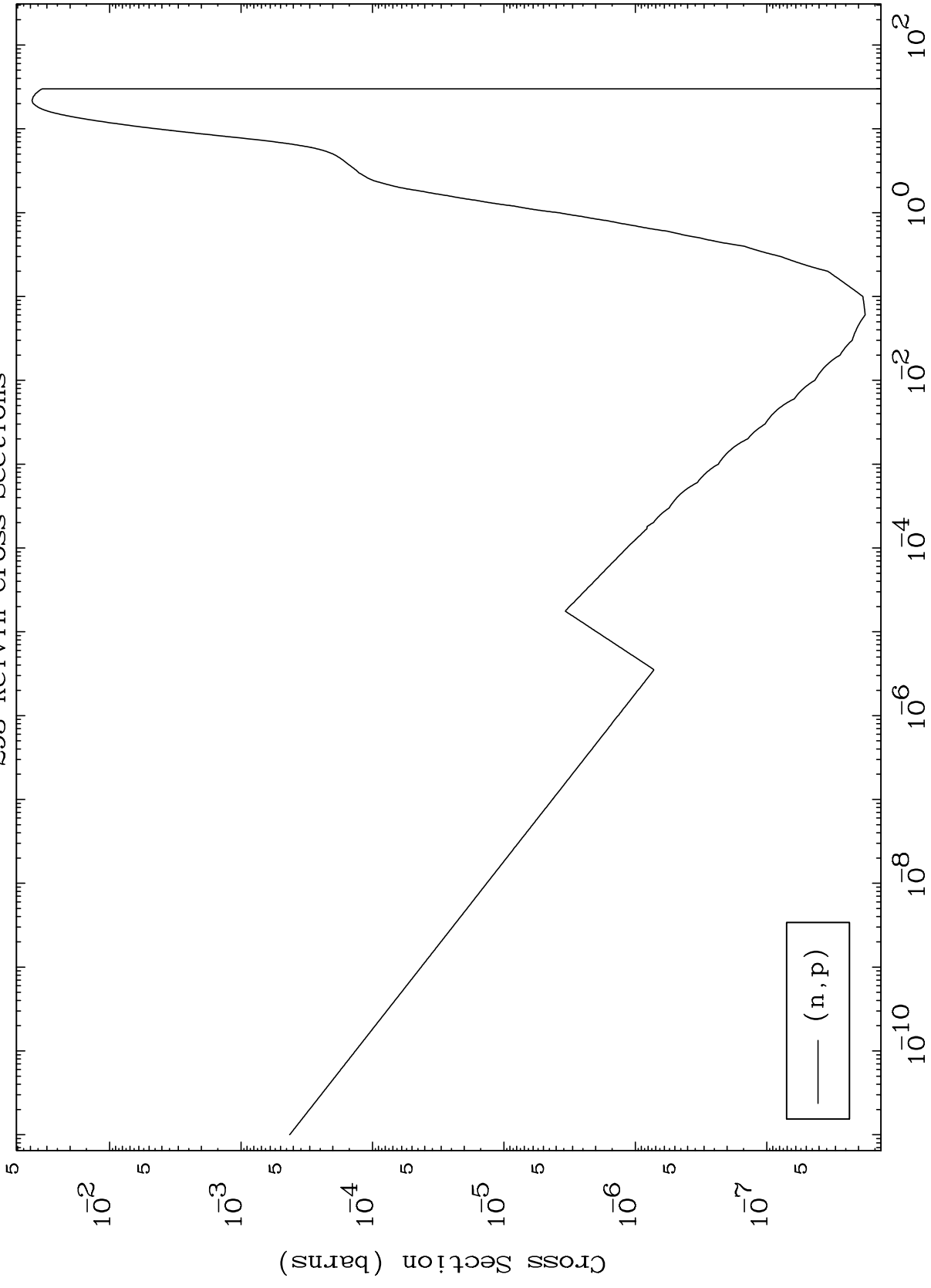
58-Ce-139



MAT 5835

(n,p) Levels  
293 Kelvin Cross Sections

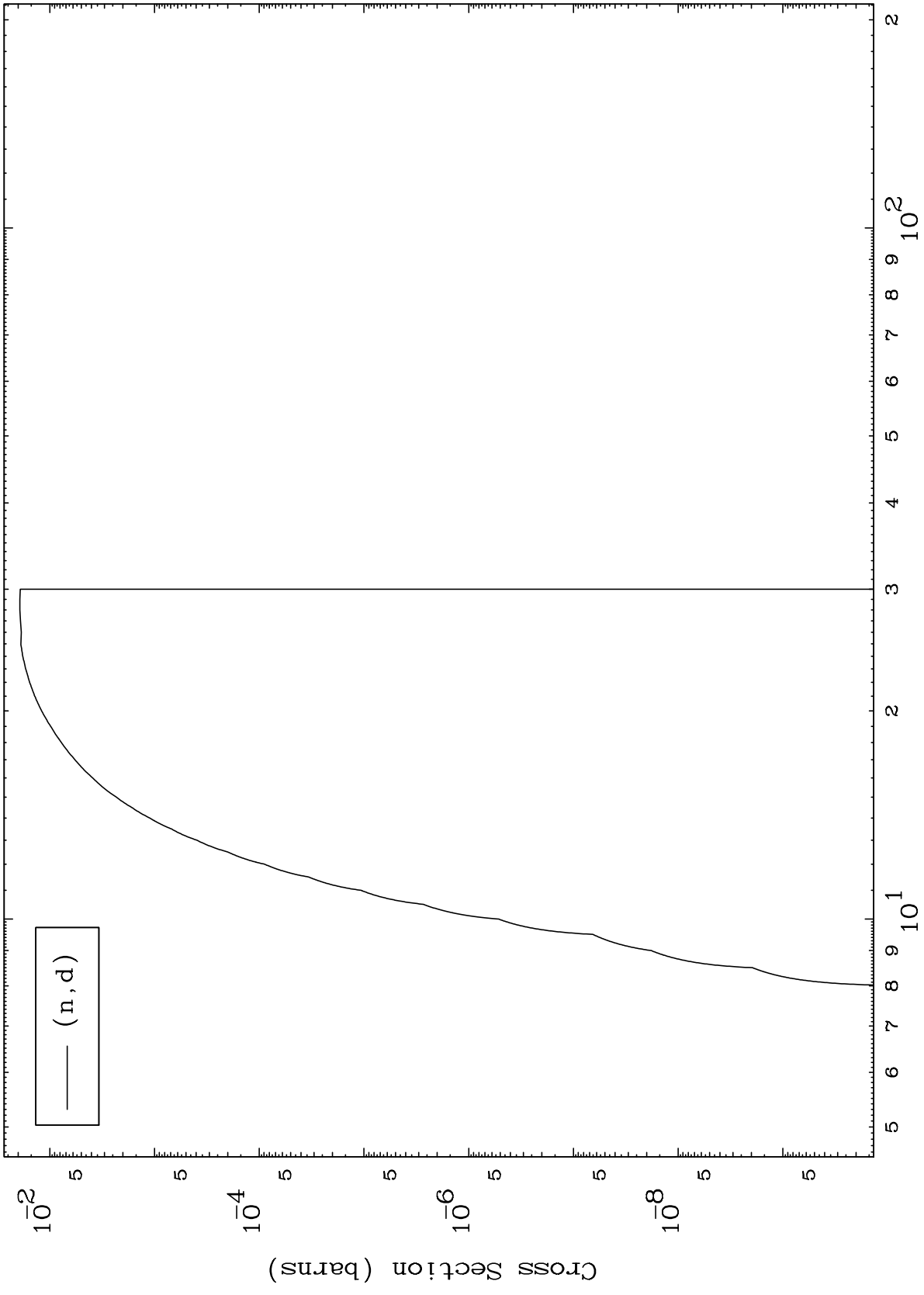
58-Ce-139



MAT 5835

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-139



11

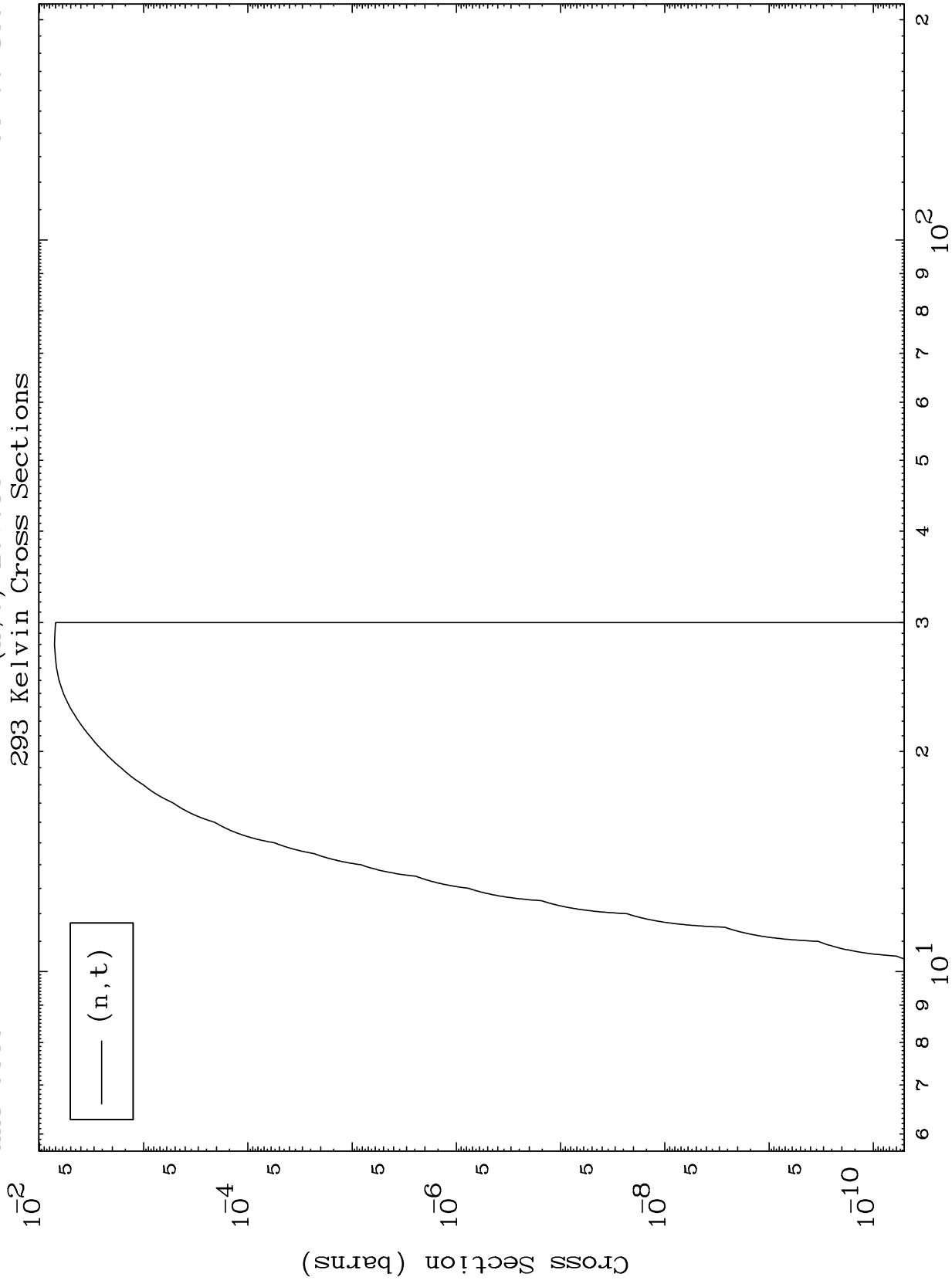
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-139



12

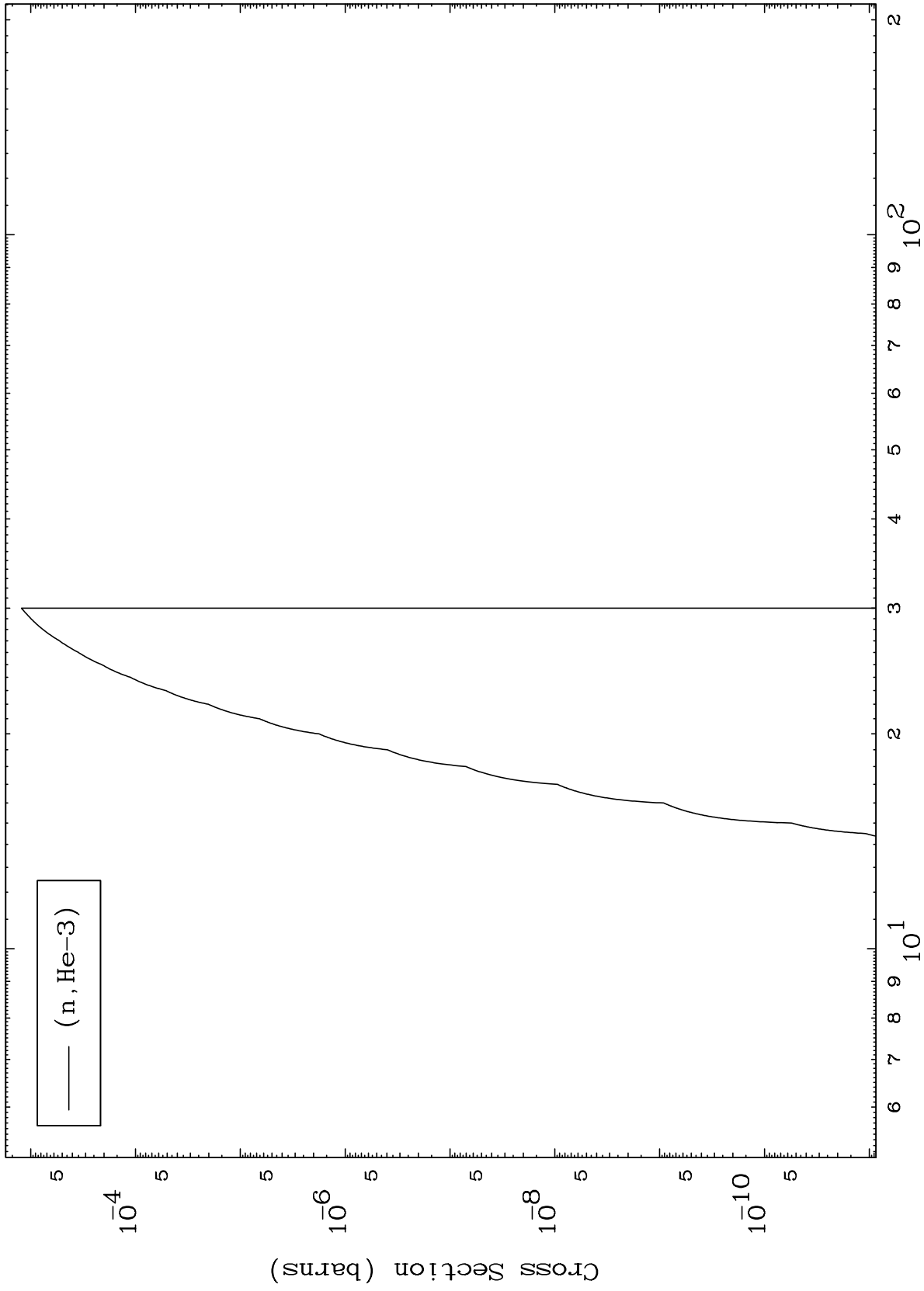
Incident Energy (MeV)

58-Ce-139

MAT 5835

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-139



13

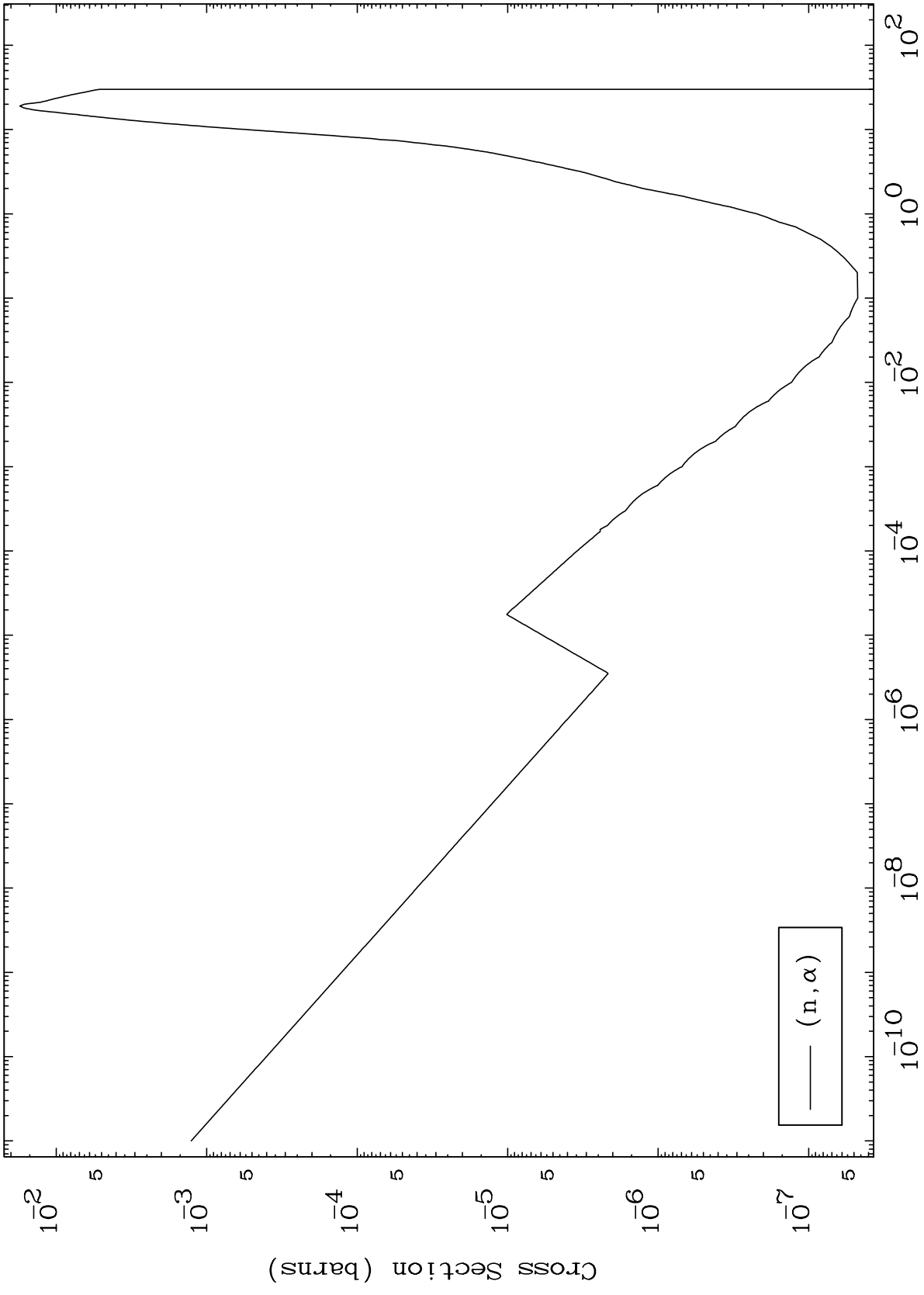
Incident Energy (MeV)

58-Ce-139

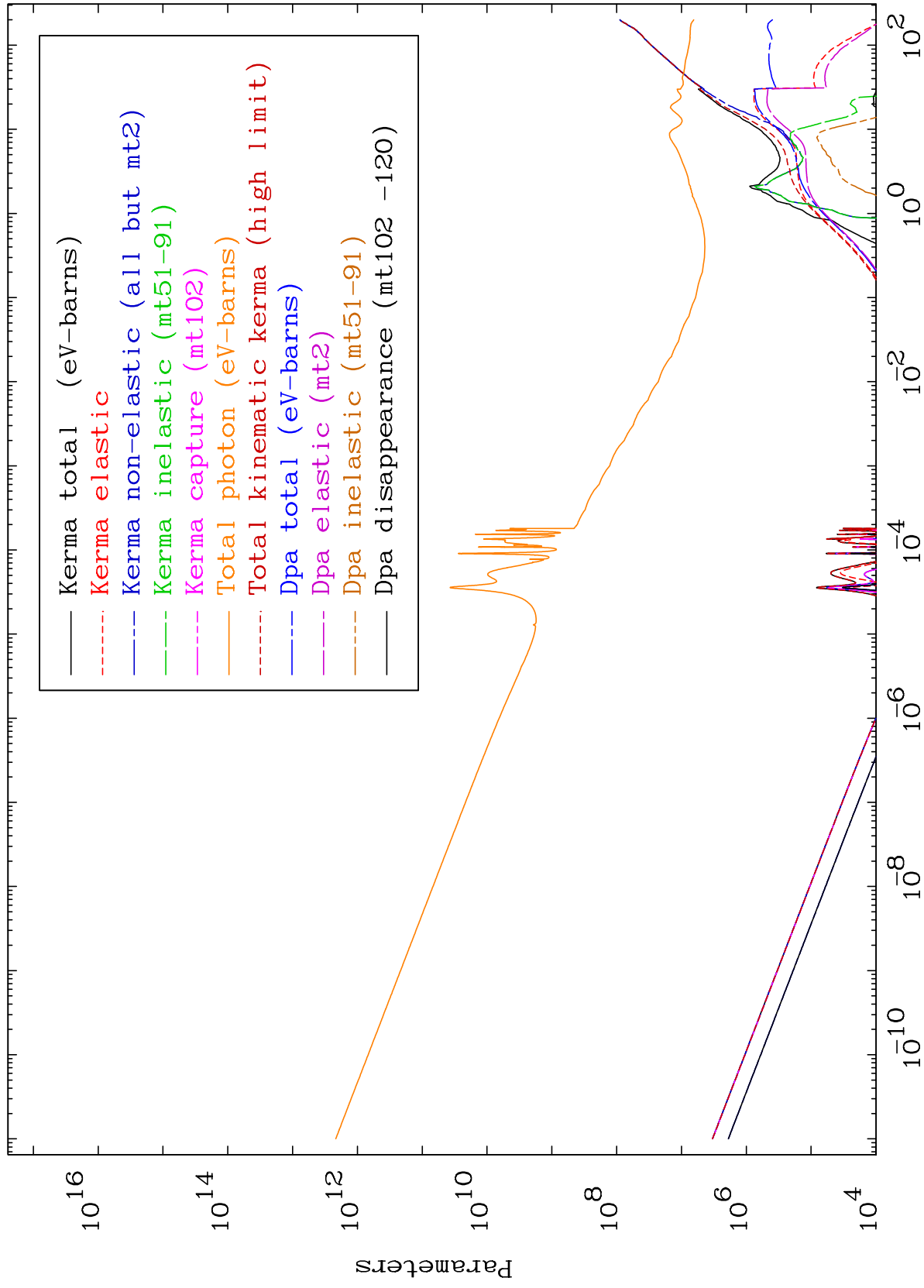
MAT 5835

(n,α) Levels  
293 Kelvin Cross Sections

58-Ce-139



58-Ce-139





MAT 5835

Elastic Legendre Coefficients

58-Ce-139



58-Ce-139

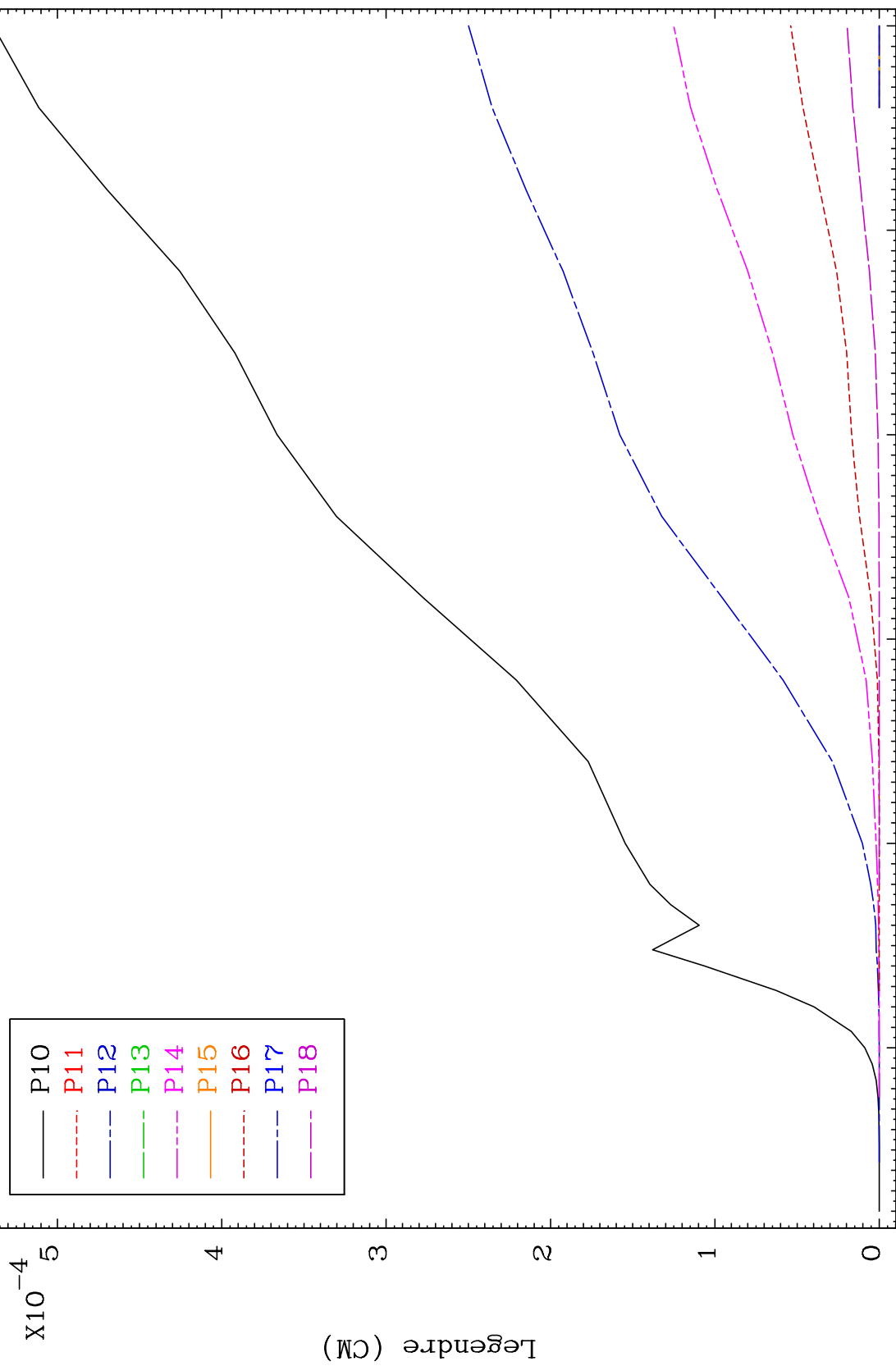
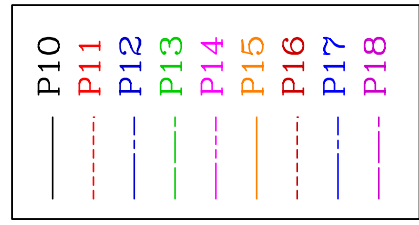
Incident Energy (MeV)

16

MAT 5835

Elastic Legendre Coefficients

58-Ce-139



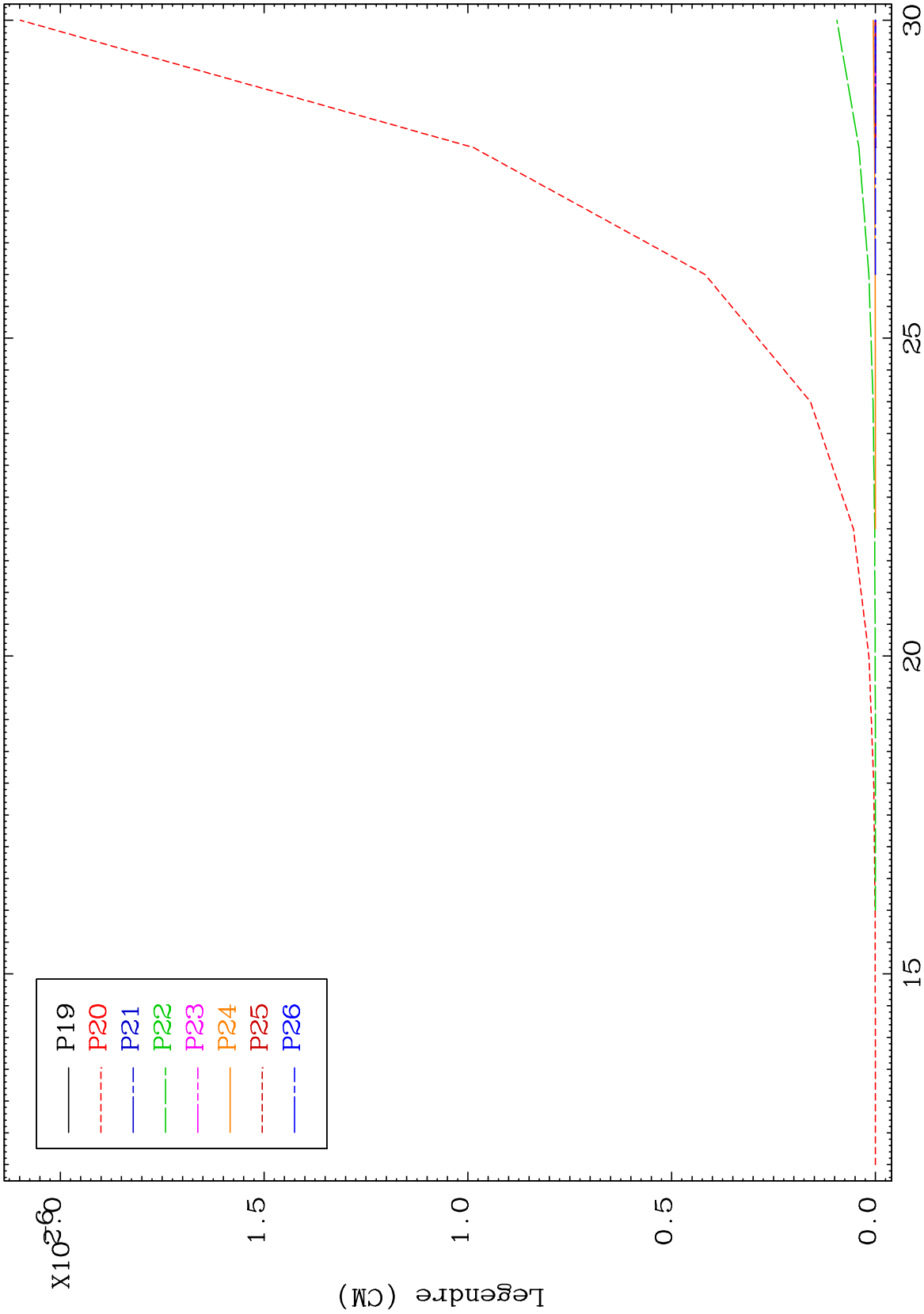
17

58-Ce-139

MAT 5835

Elastic  
Legendre Coefficients

58-Ce-139



18

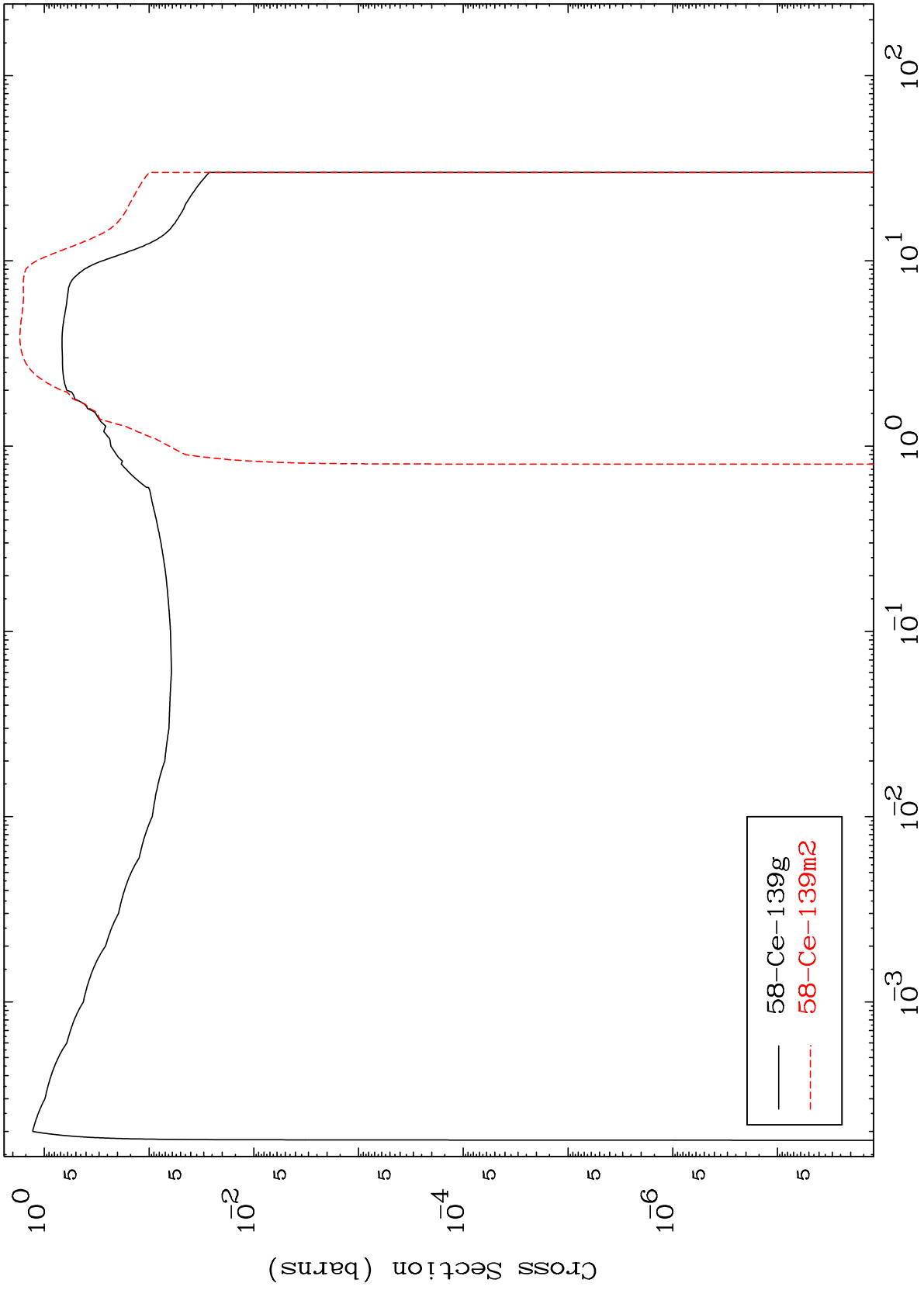
Incident Energy (MeV)

58-Ce-139

MAT 5835

58-Ce-139

Inelastic  
Radionuclide Production Cross Section



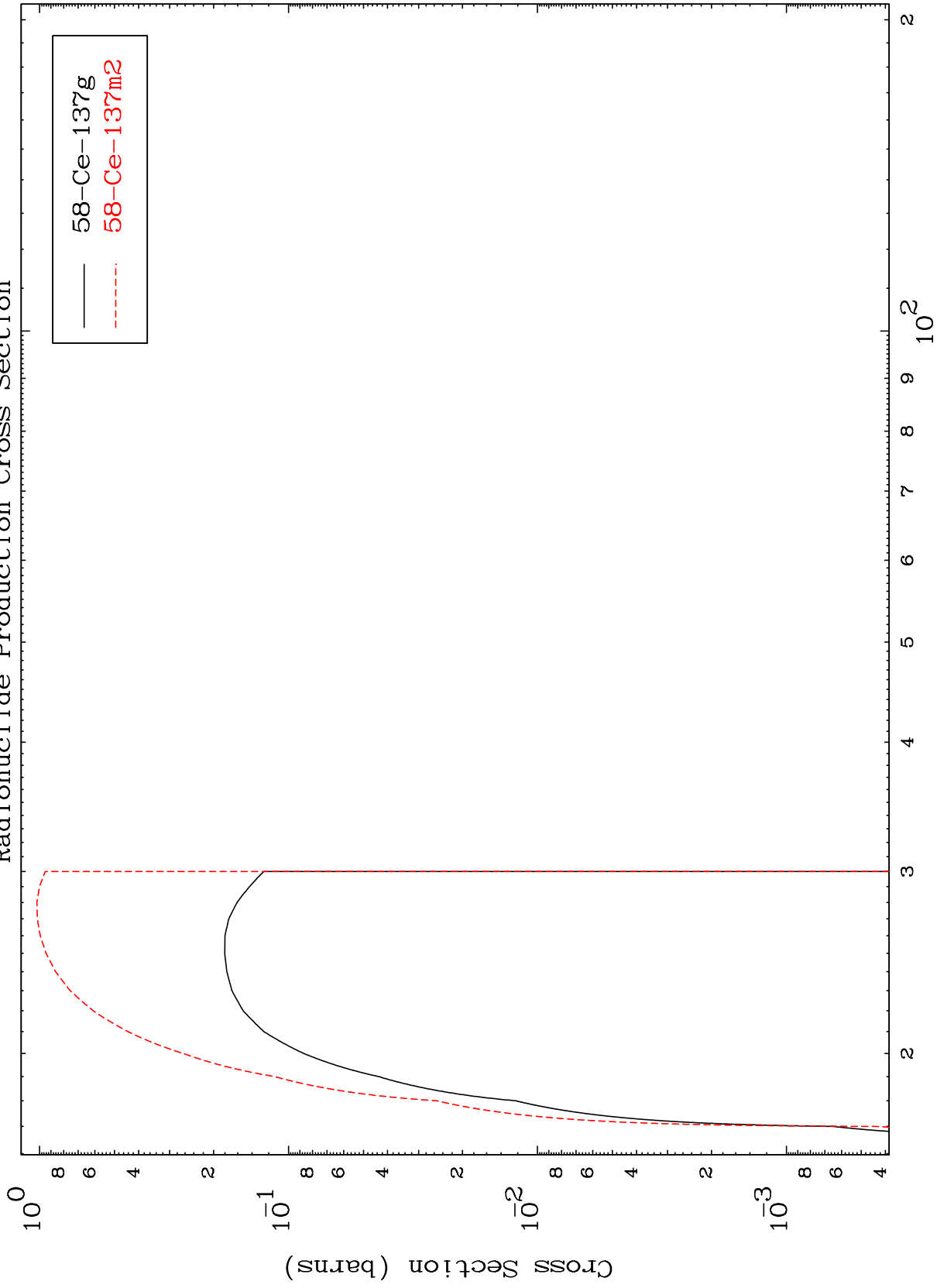
19

58-Ce-139

MAT 5835

58-Ce-139

(n,3n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

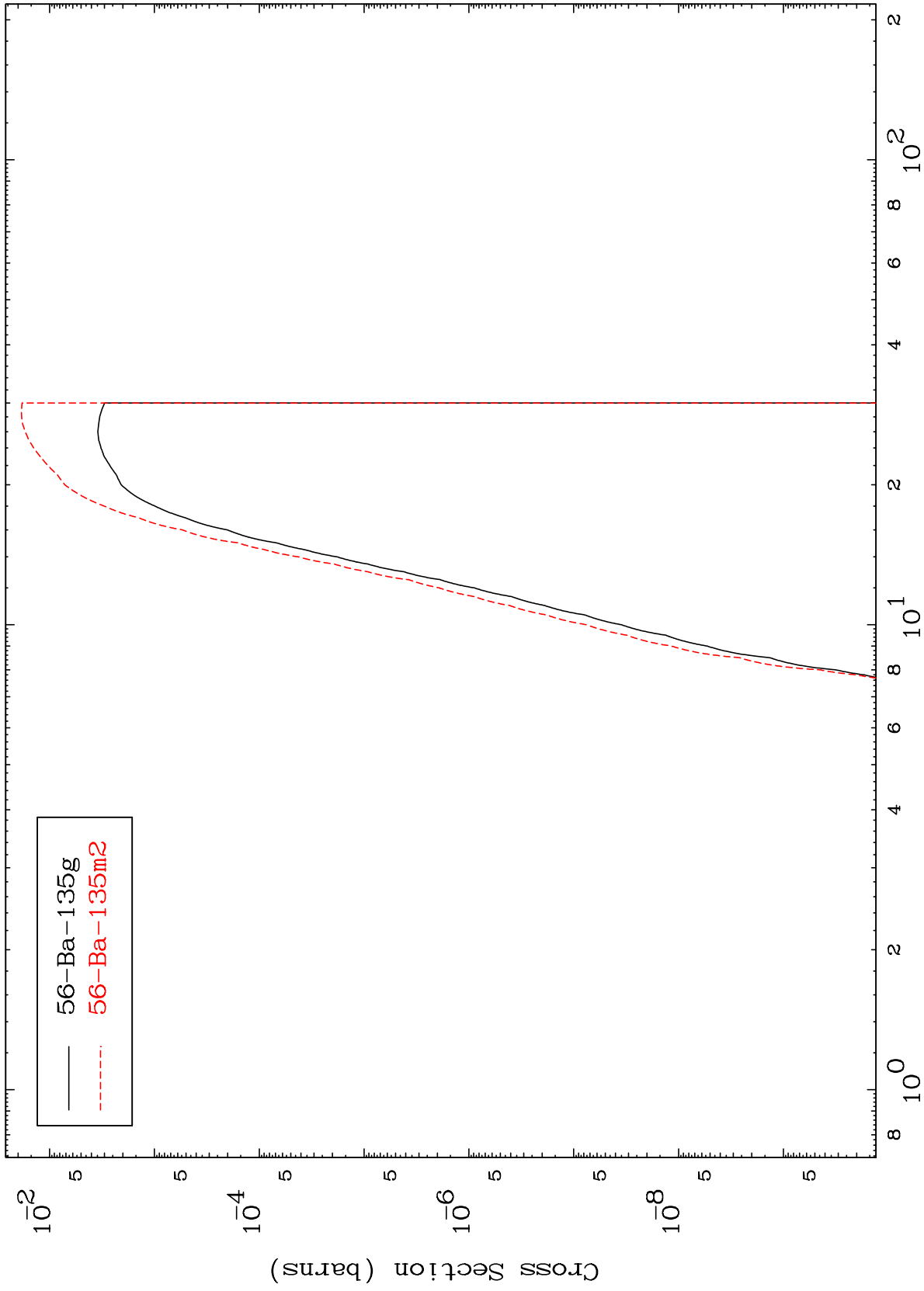
58-Ce-139

MAT 5835

(n,n')  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

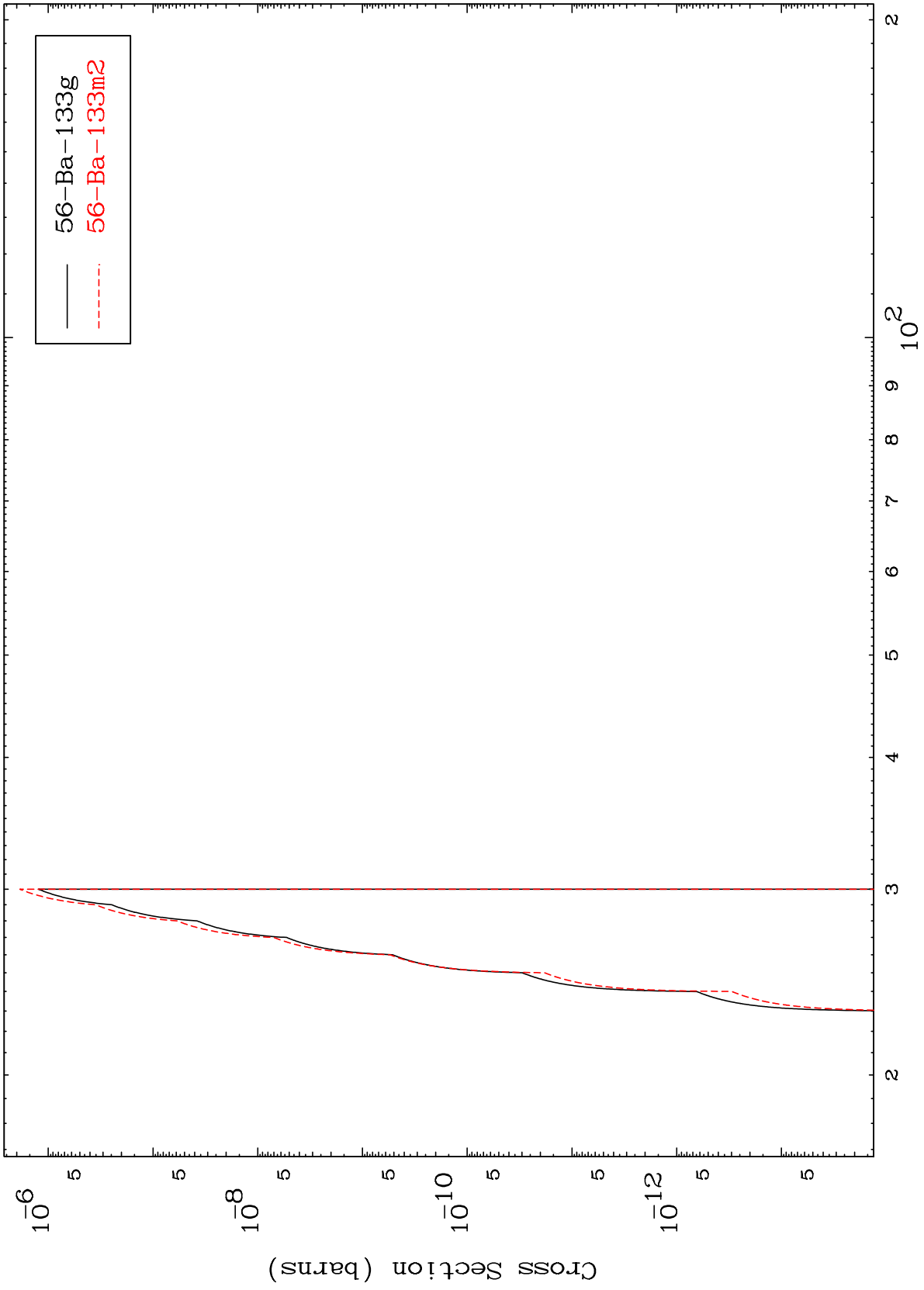
58-Ce-139

MAT 5835

(n,3n)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



22

Incident Energy (MeV)

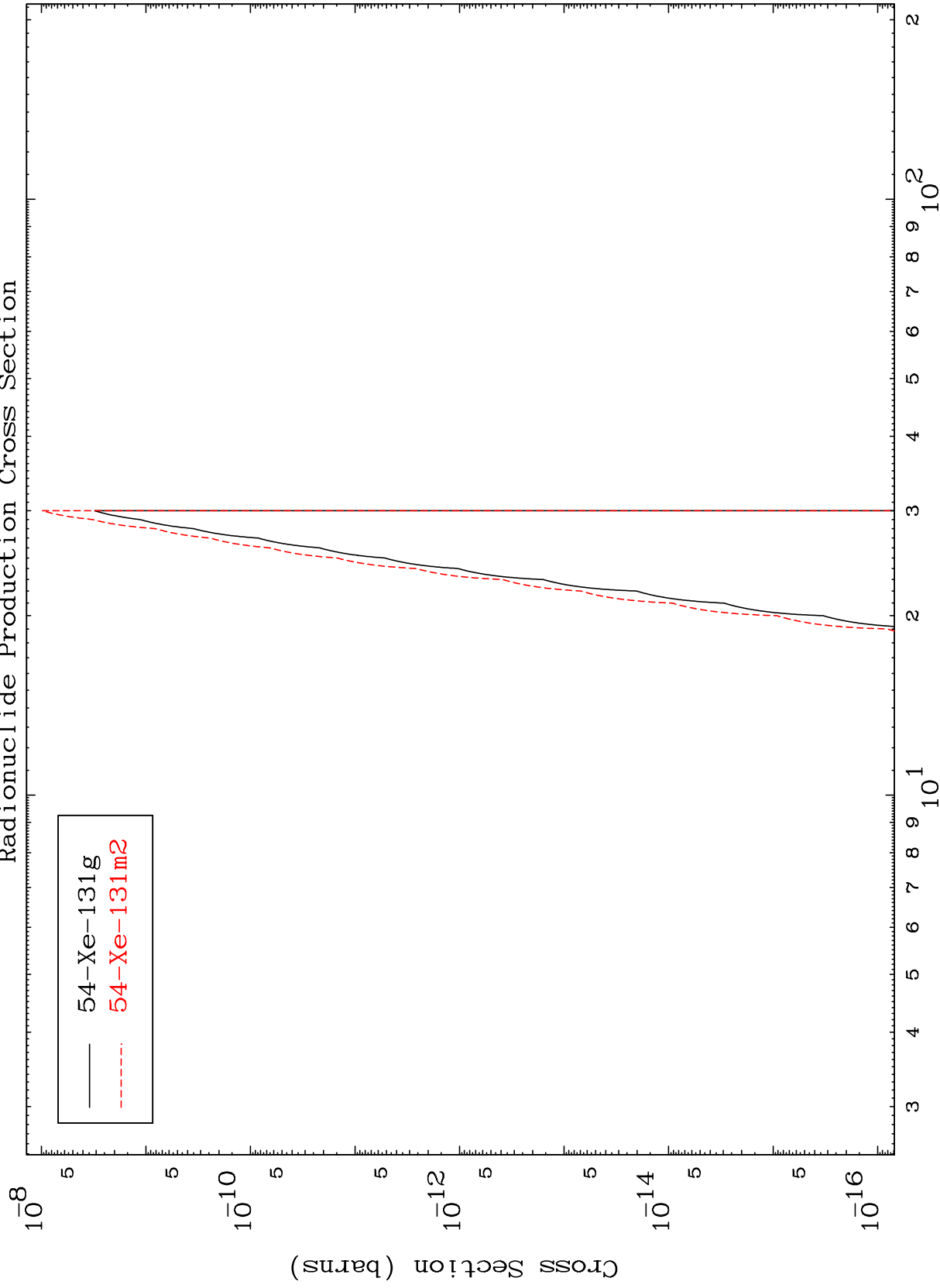
58-Ce-139

MAT 5835

(n,n') 2α

58-Ce-139

Radionuclide Production Cross Section



23

Incident Energy (MeV)

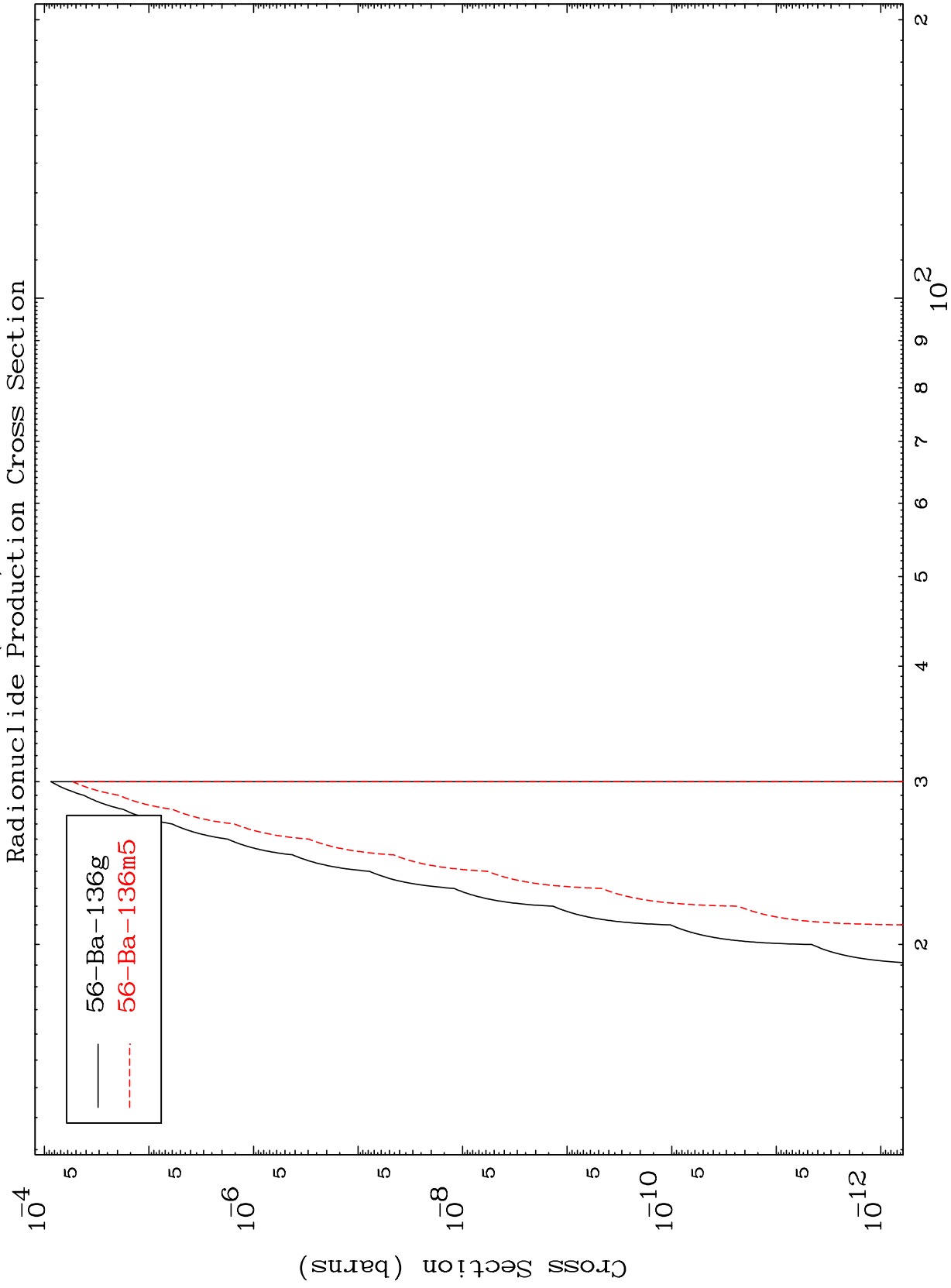
58-Ce-139



MAT 5835

(n, n') He-3

58-Ce-139



24

Incident Energy (MeV)

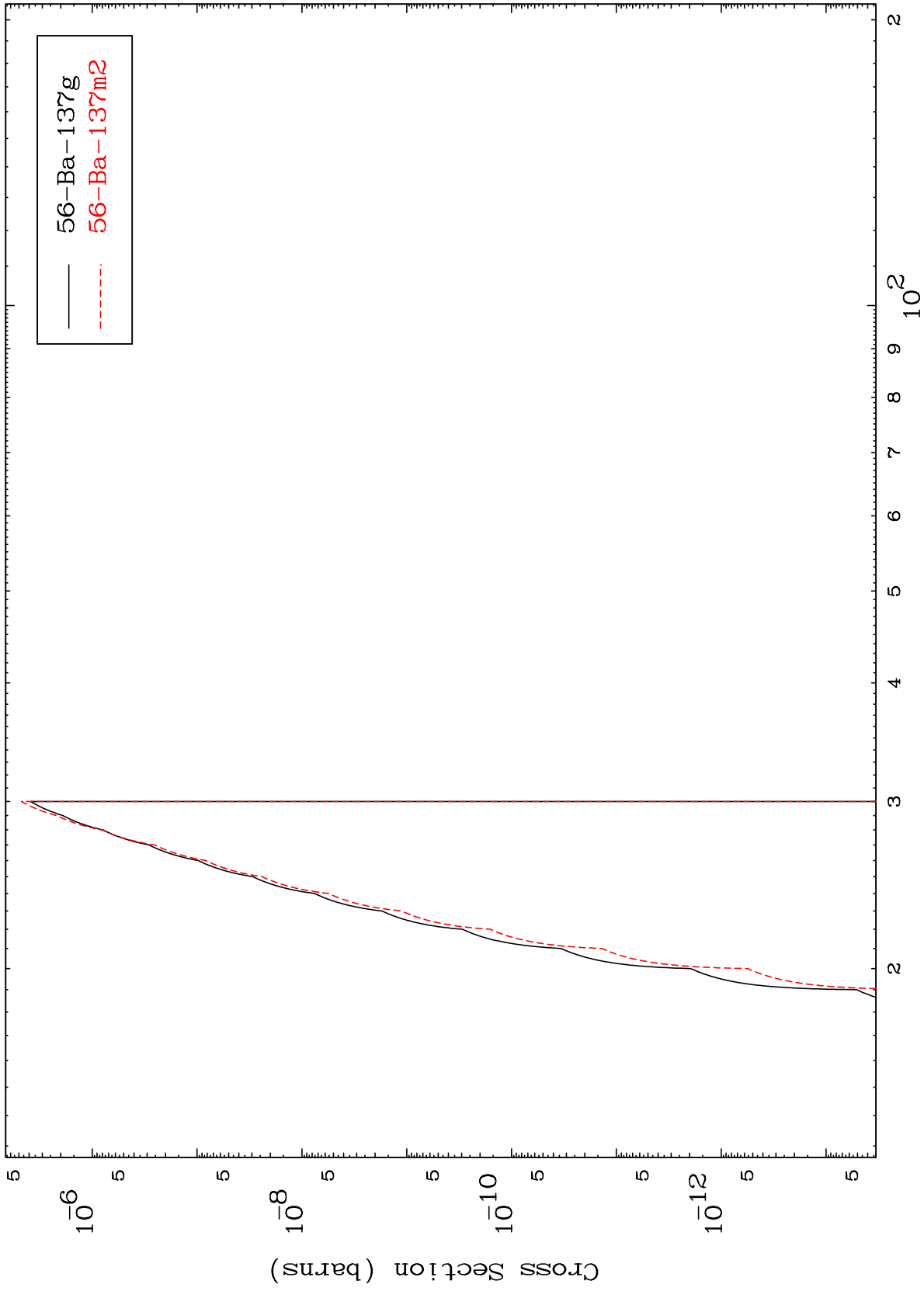
58-Ce-139

MAT 5835

(n,2n) p

58-Ce-139

Radionuclide Production Cross Section



25

Incident Energy (MeV)

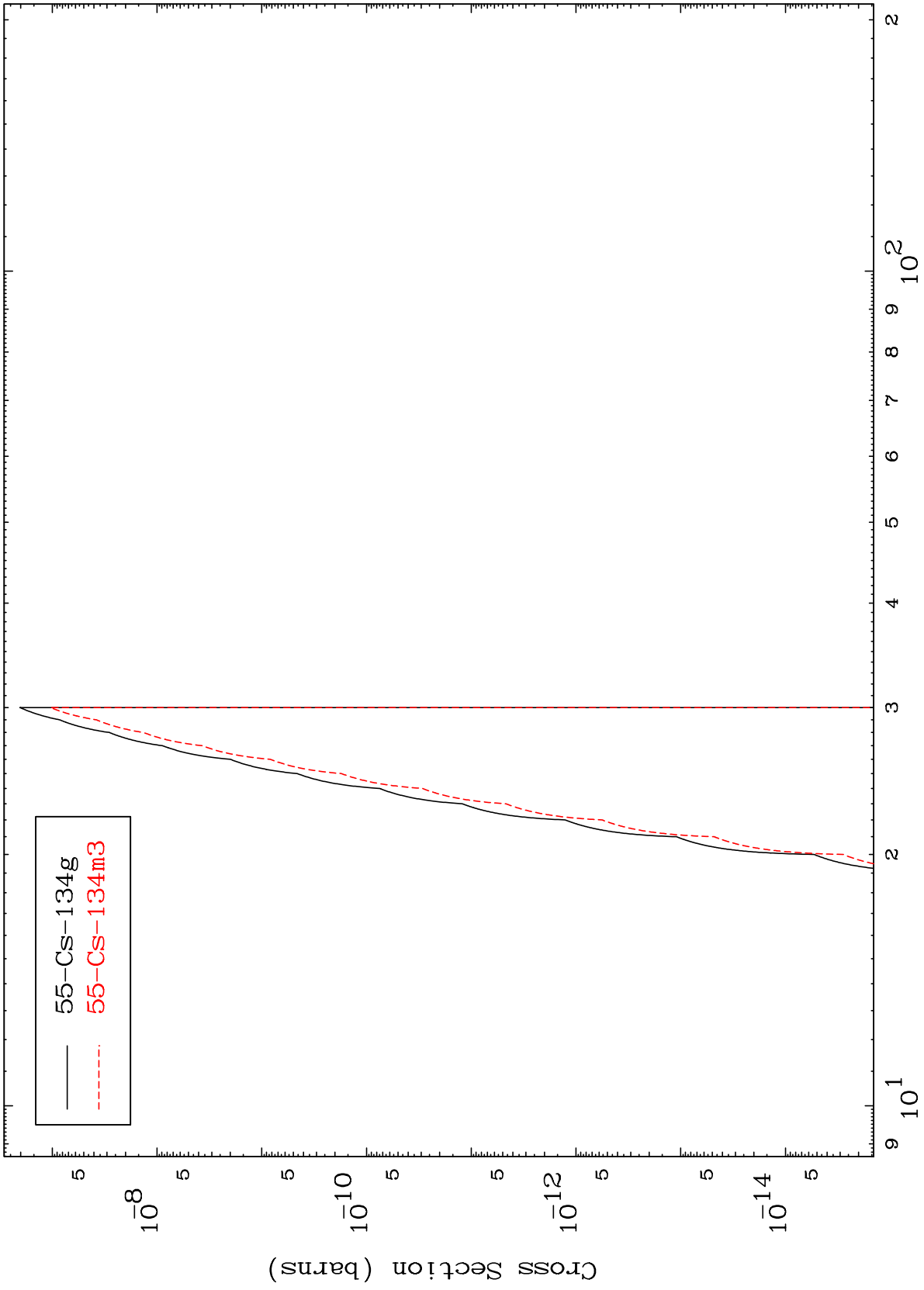
58-Ce-139

MAT 5835

(n,n') p  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



26

Incident Energy (MeV)

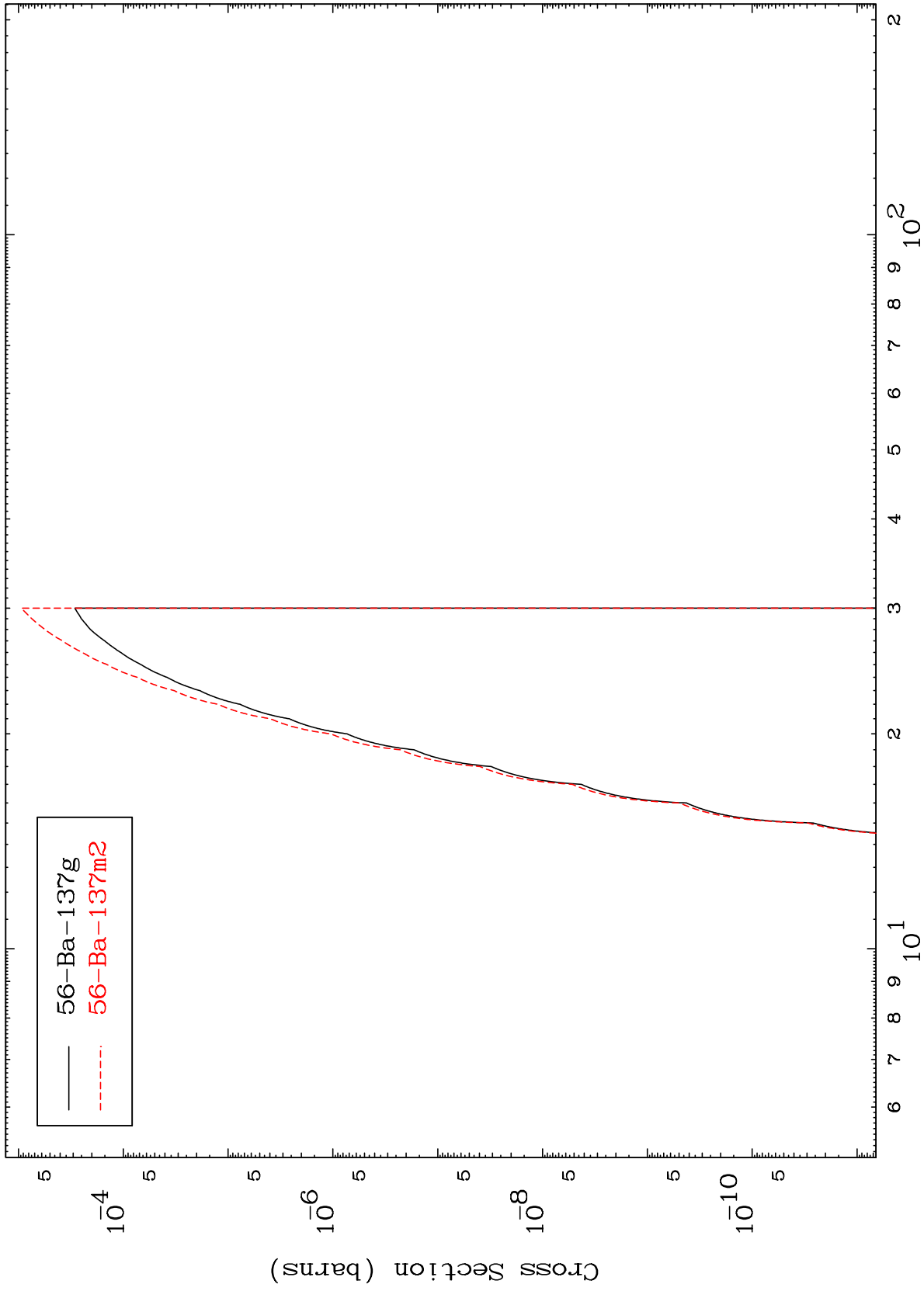
58-Ce-139

MAT 5835

(n, He-3)

58-Ce-139

Radionuclide Production Cross Section



27

Incident Energy (MeV)

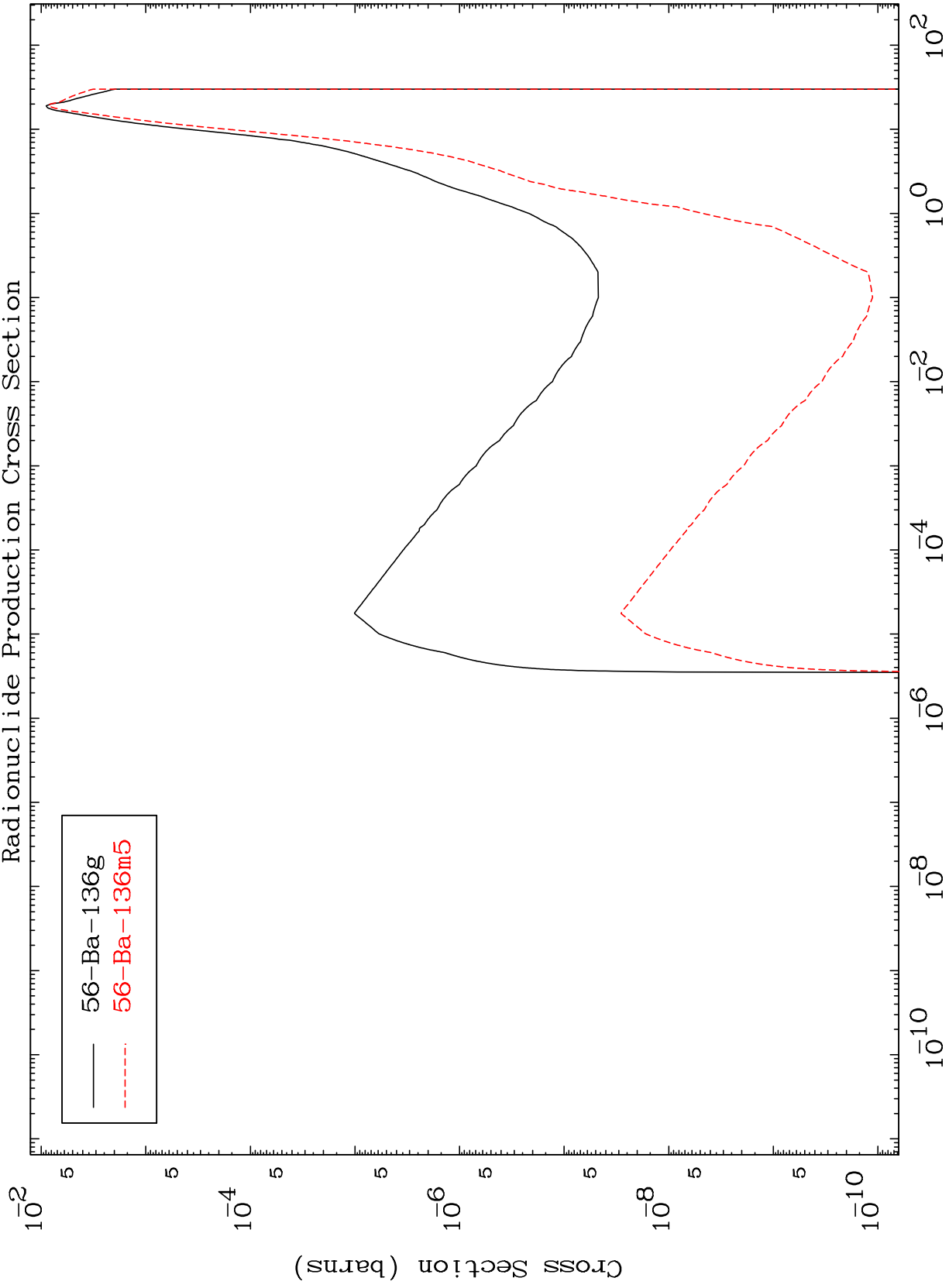
58-Ce-139

MAT 5835

(n,  $\alpha$ )

58-Ce-139

Radionuclide Production Cross Section



28

Incident Energy (MeV)

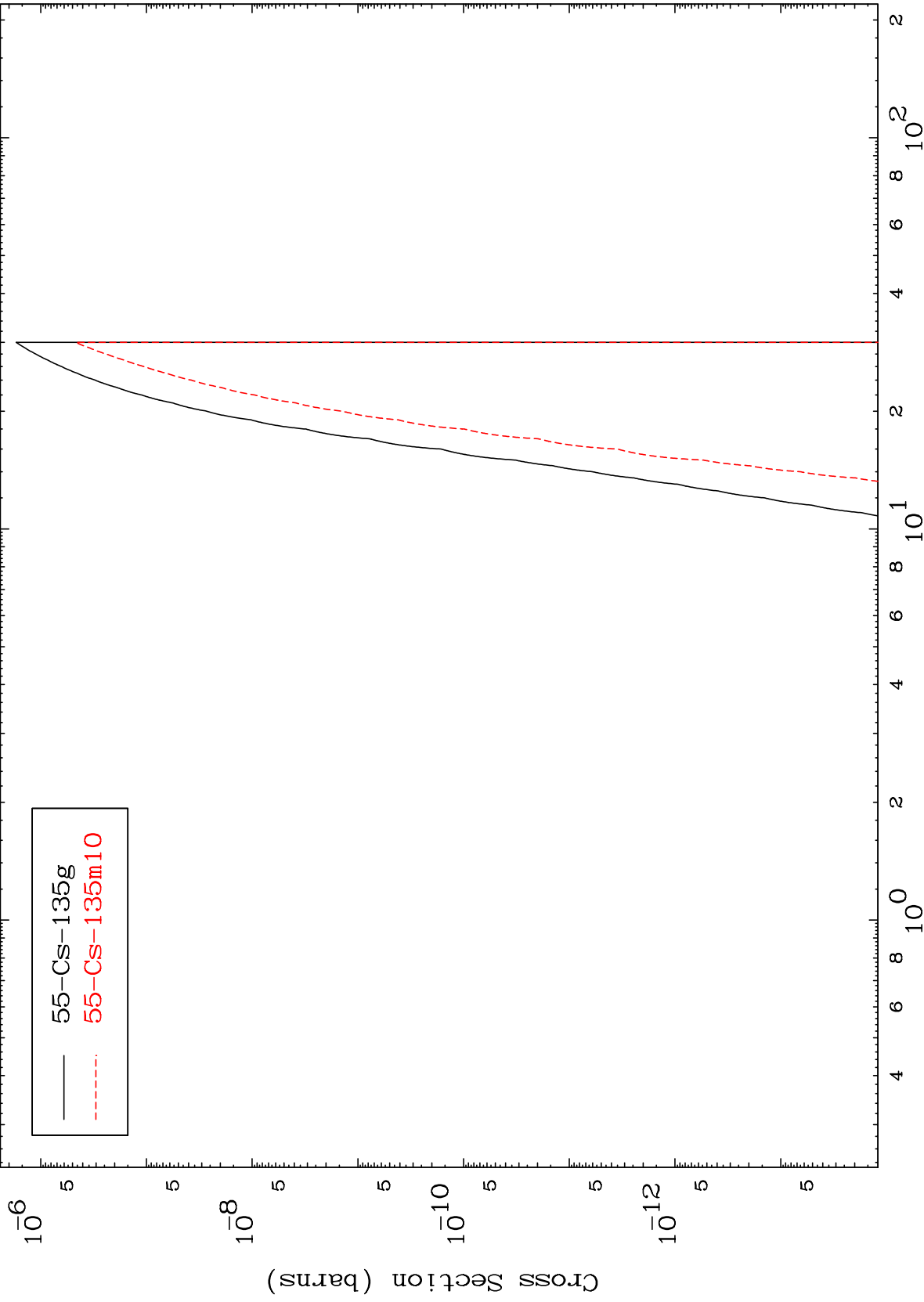
58-Ce-139

MAT 5835

(n,p)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



29

Incident Energy (MeV)

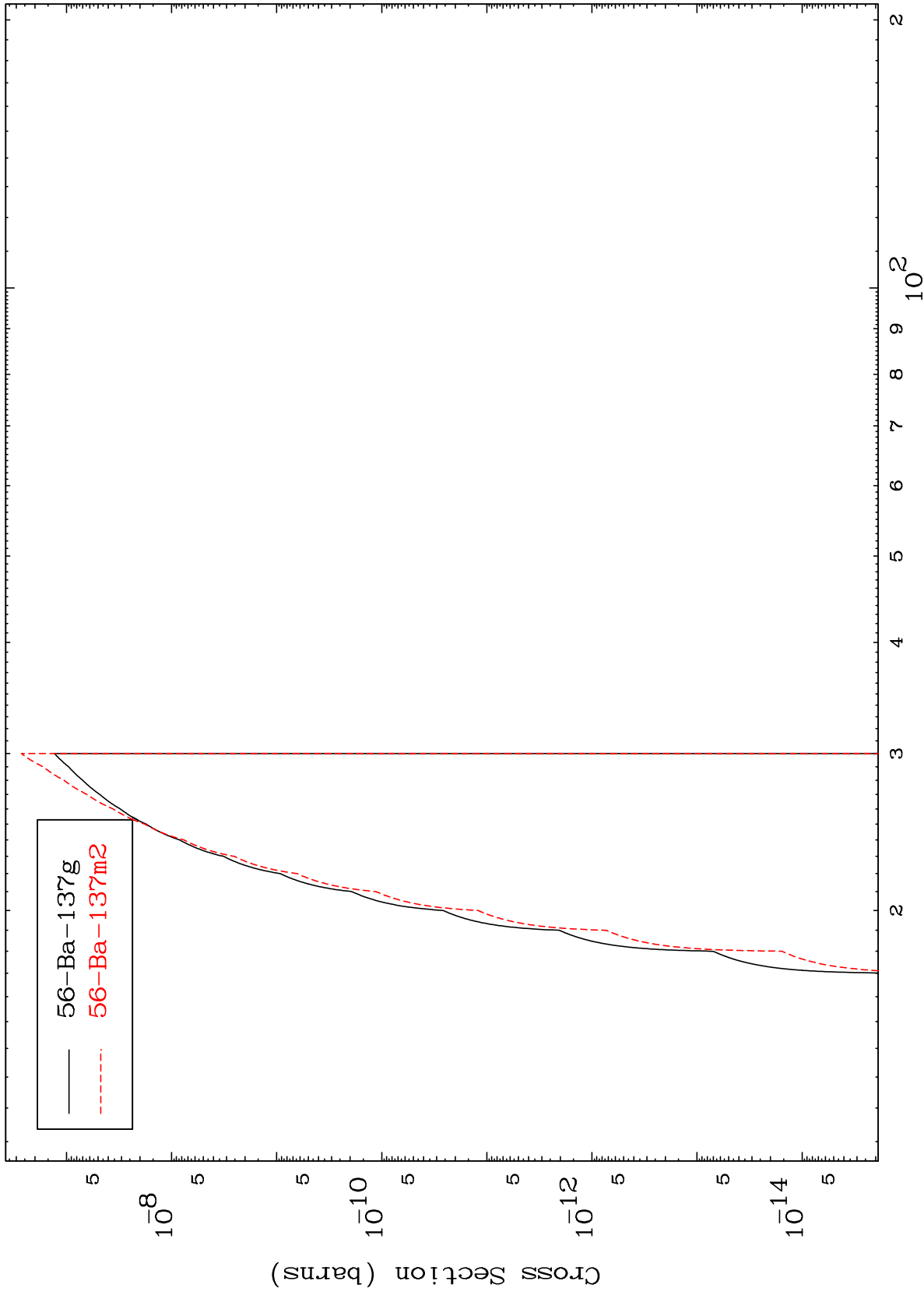
58-Ce-139

MAT 5835

(n,p) d

58-Ce-139

Radionuclide Production Cross Section



30

Incident Energy (MeV)

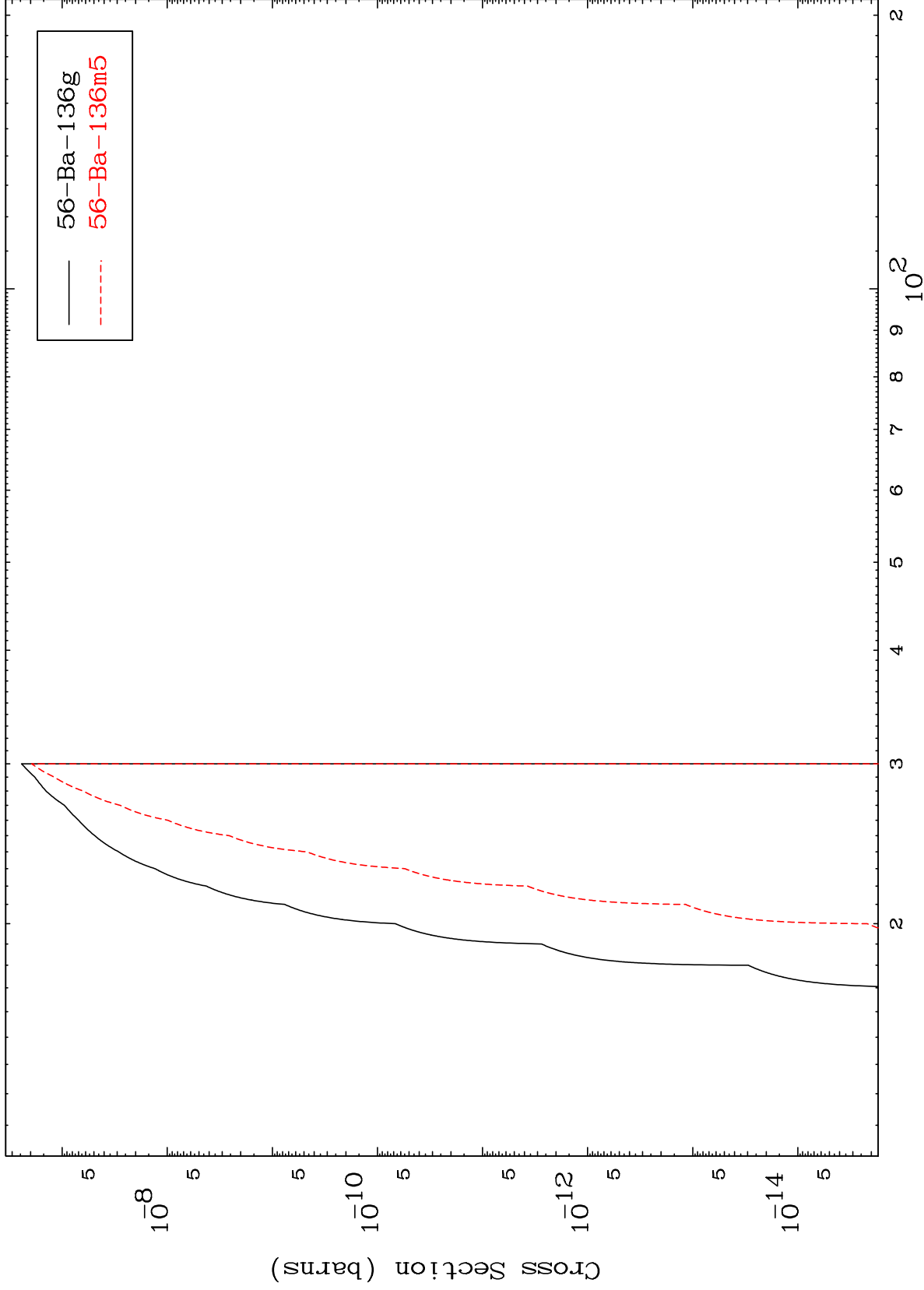
58-Ce-139

MAT 5835

(n,p) t

58-Ce-139

Radionuclide Production Cross Section



31

Incident Energy (MeV)

58-Ce-139

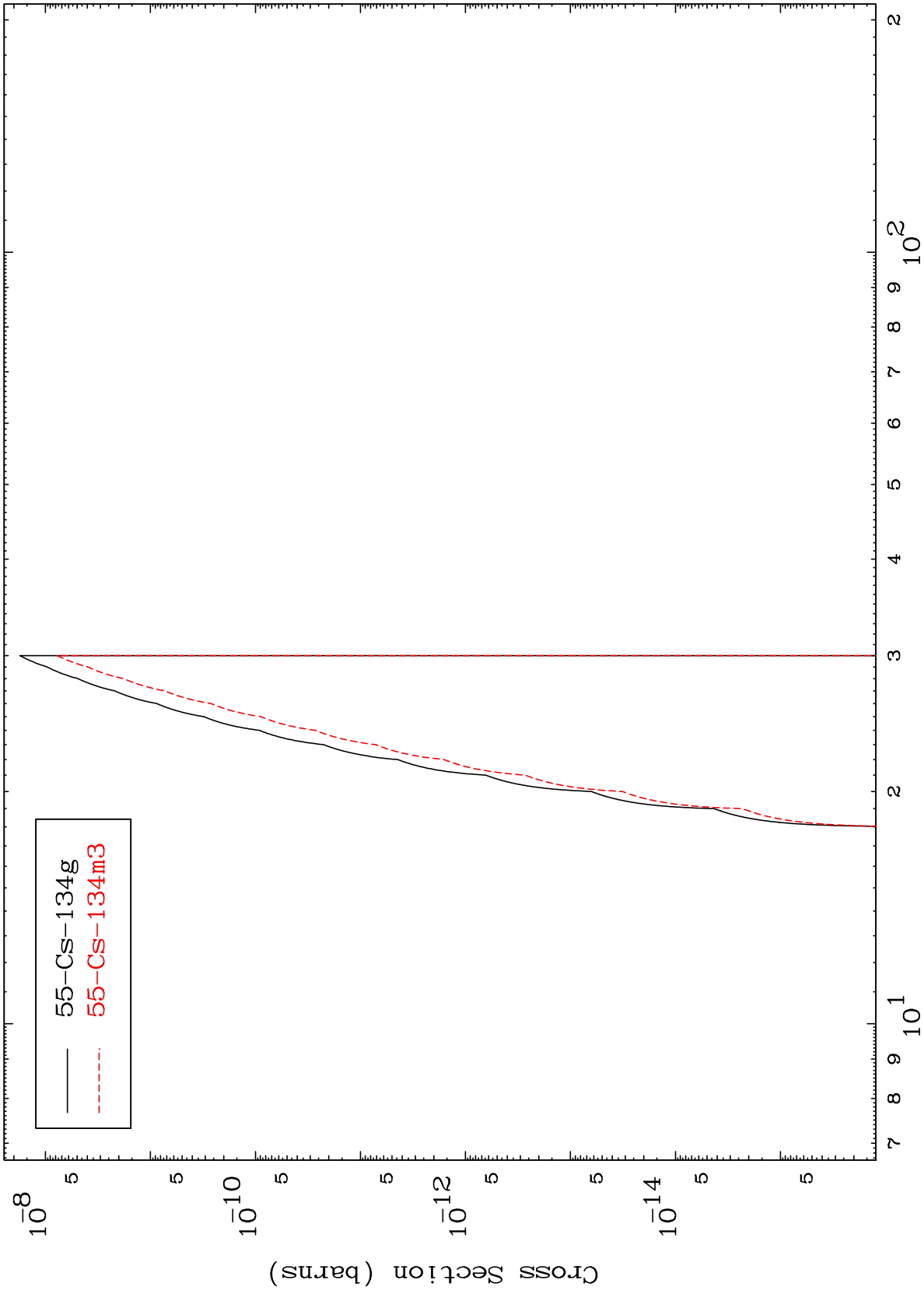


MAT 5835

(n,d)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



32

Incident Energy (MeV)

58-Ce-139