

Program EVALPLOT
(Version 2015-2)

by

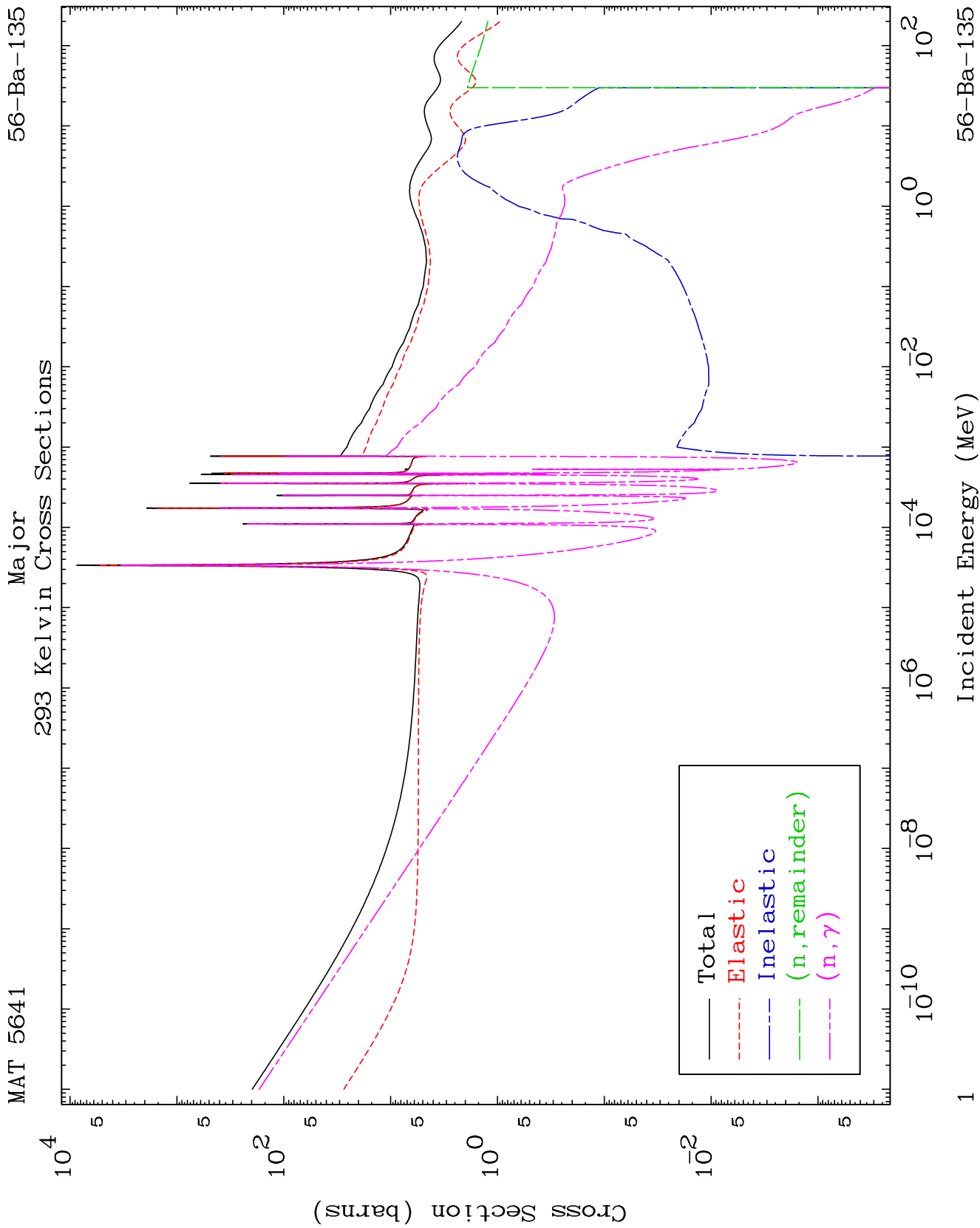
Dermott E. Cullen
(Present Contact Information)

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

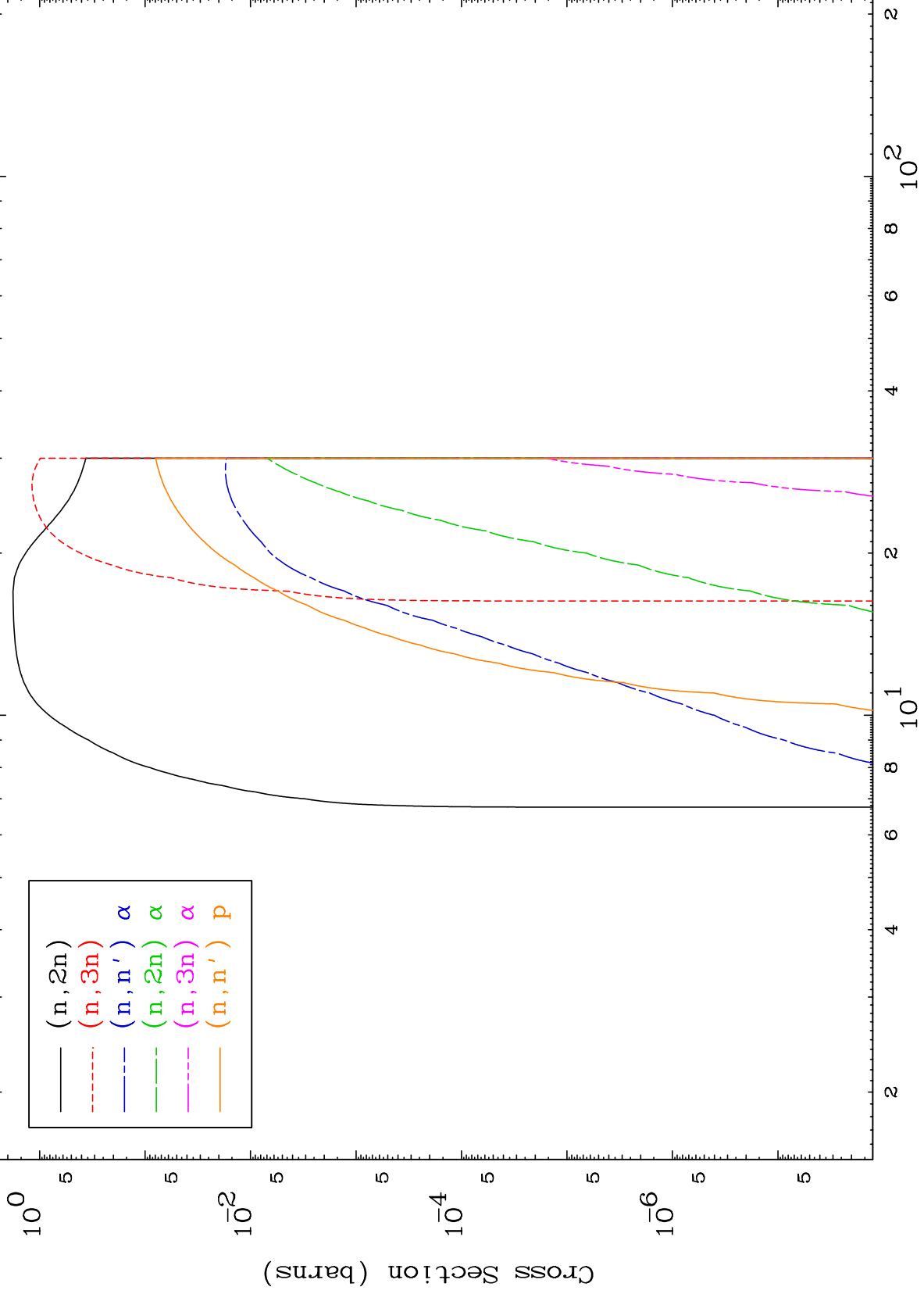
Press Mouse Button to Start



MAT 5641

Neutron Production
293 Kelvin Cross Sections

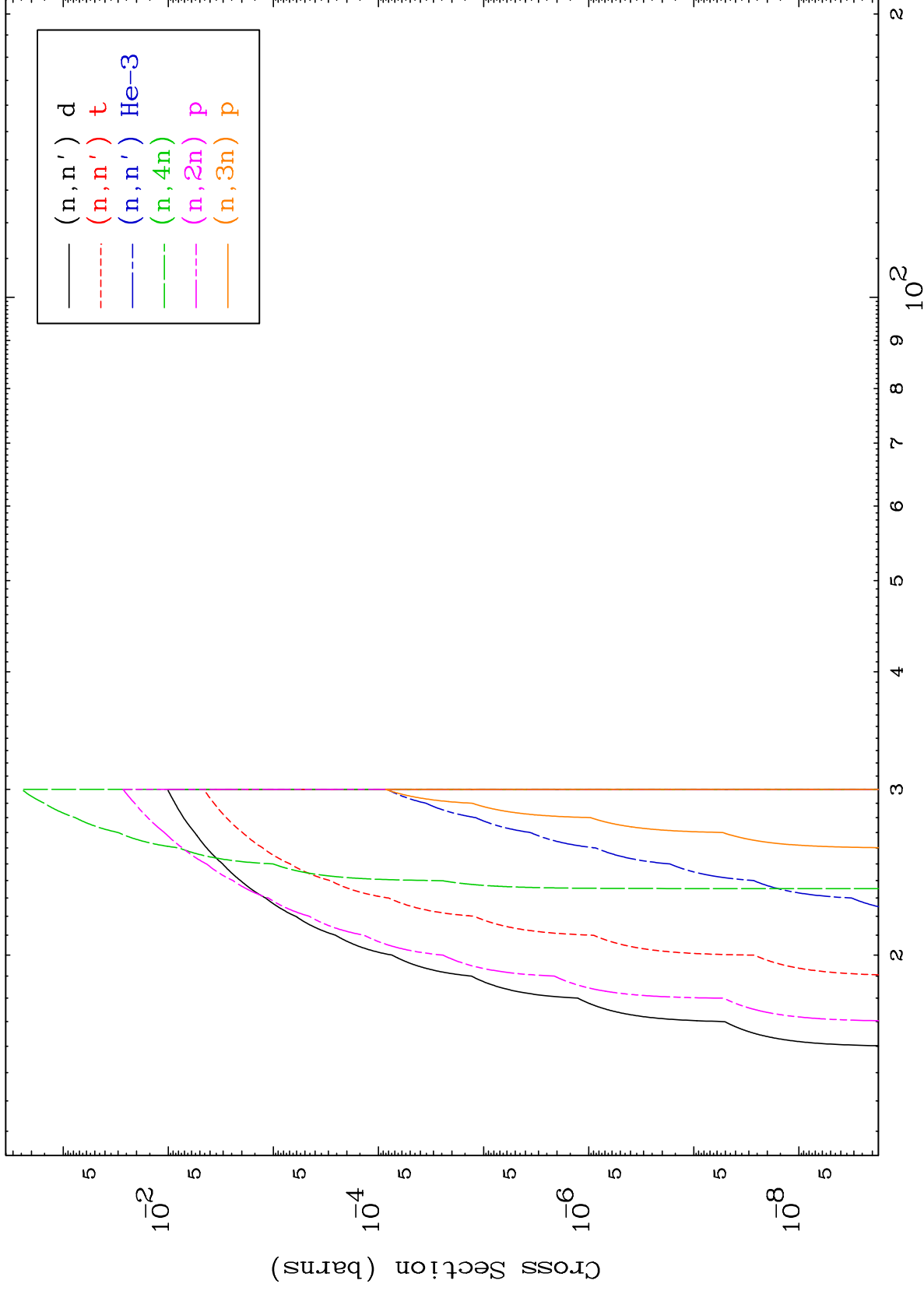
56-Ba-135

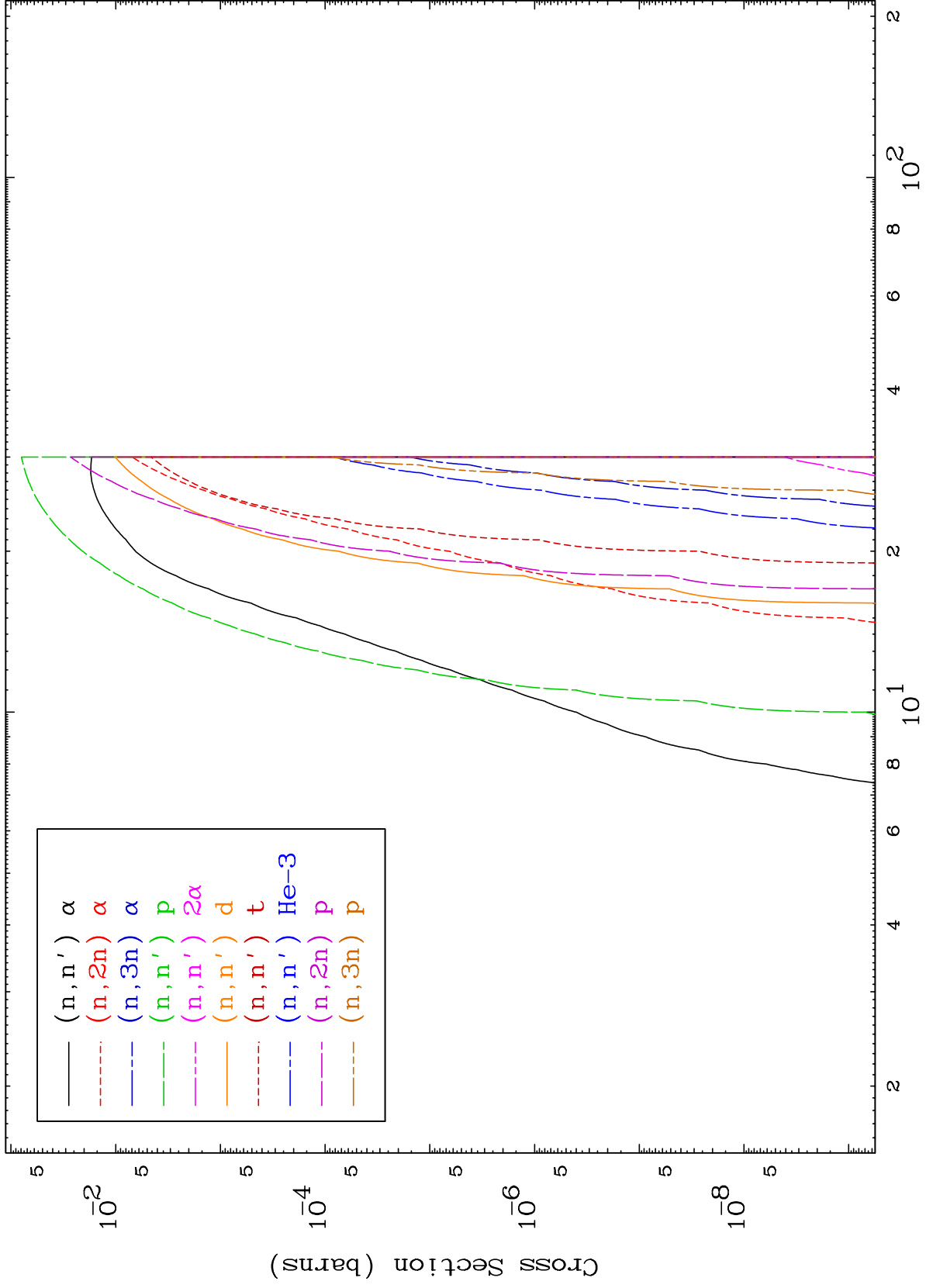


2

Incident Energy (MeV)

56-Ba-135

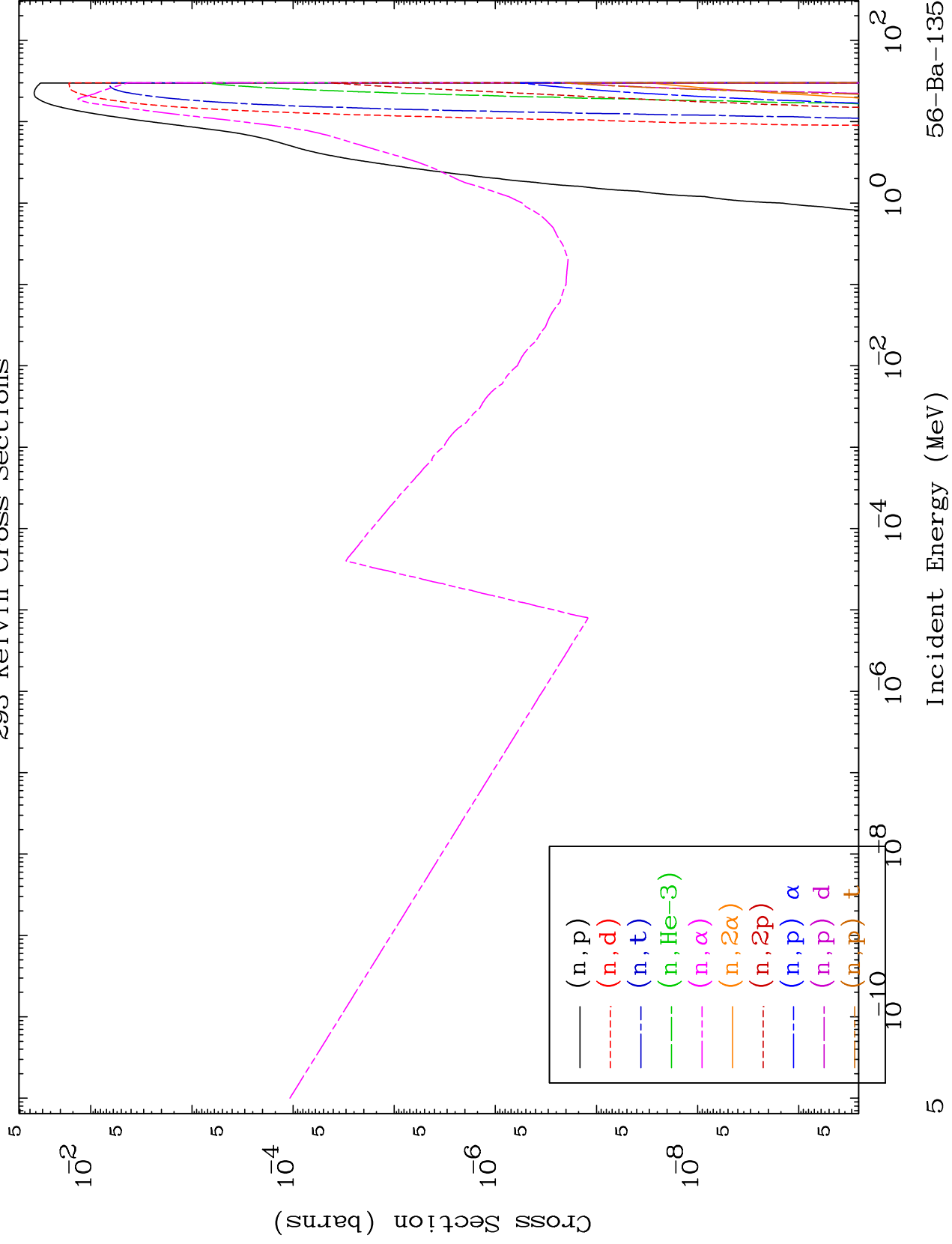




MAT 5641

Charged Particle
293 Kelvin Cross Sections

56-Ba-135

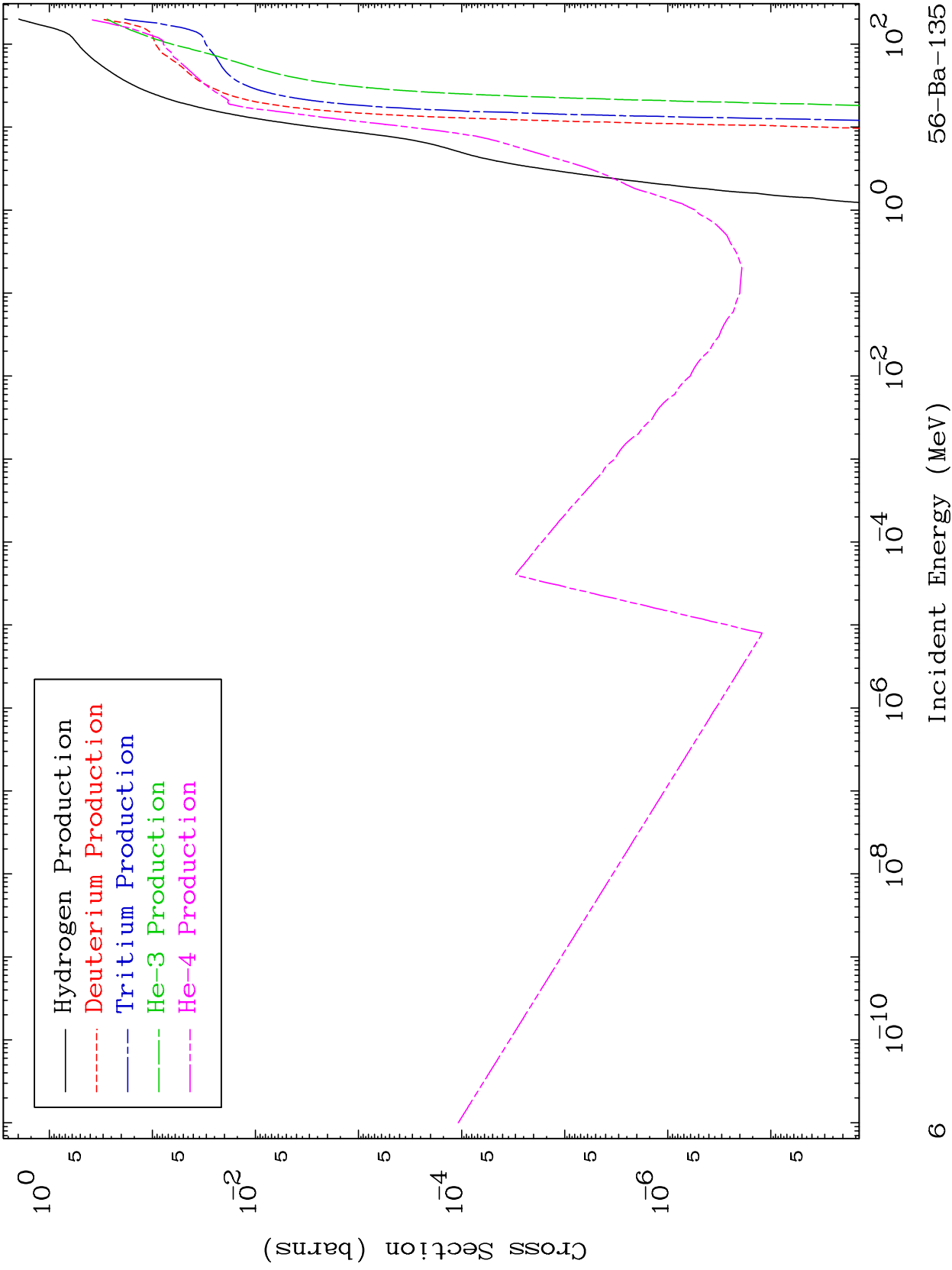


5

MAT 5641

Particle Production
293 Kelvin Cross Sections

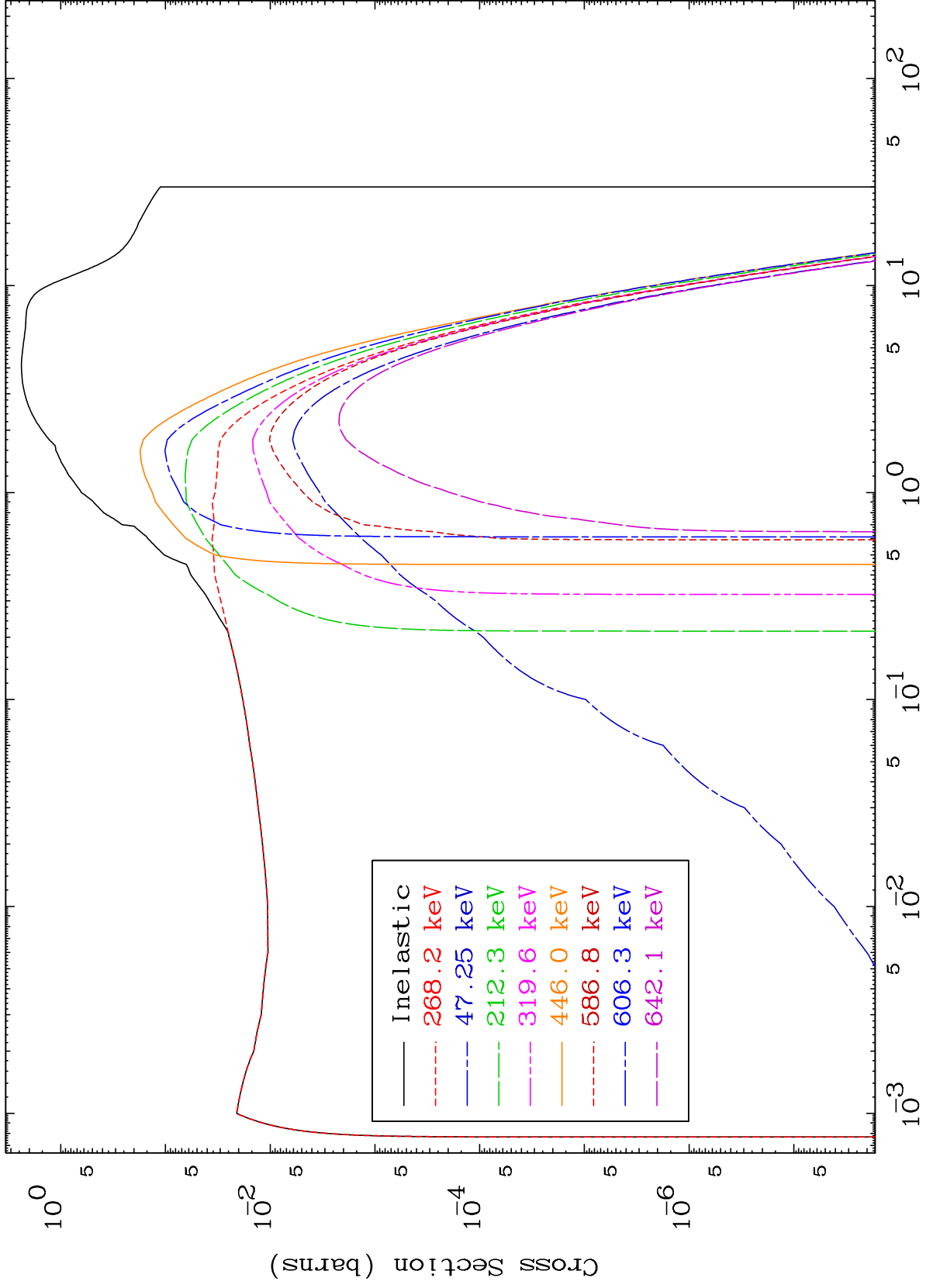
56-Ba-135



MAT 5641

(n,n') Level
293 Kelvin Cross Sections

56-Ba-135



7

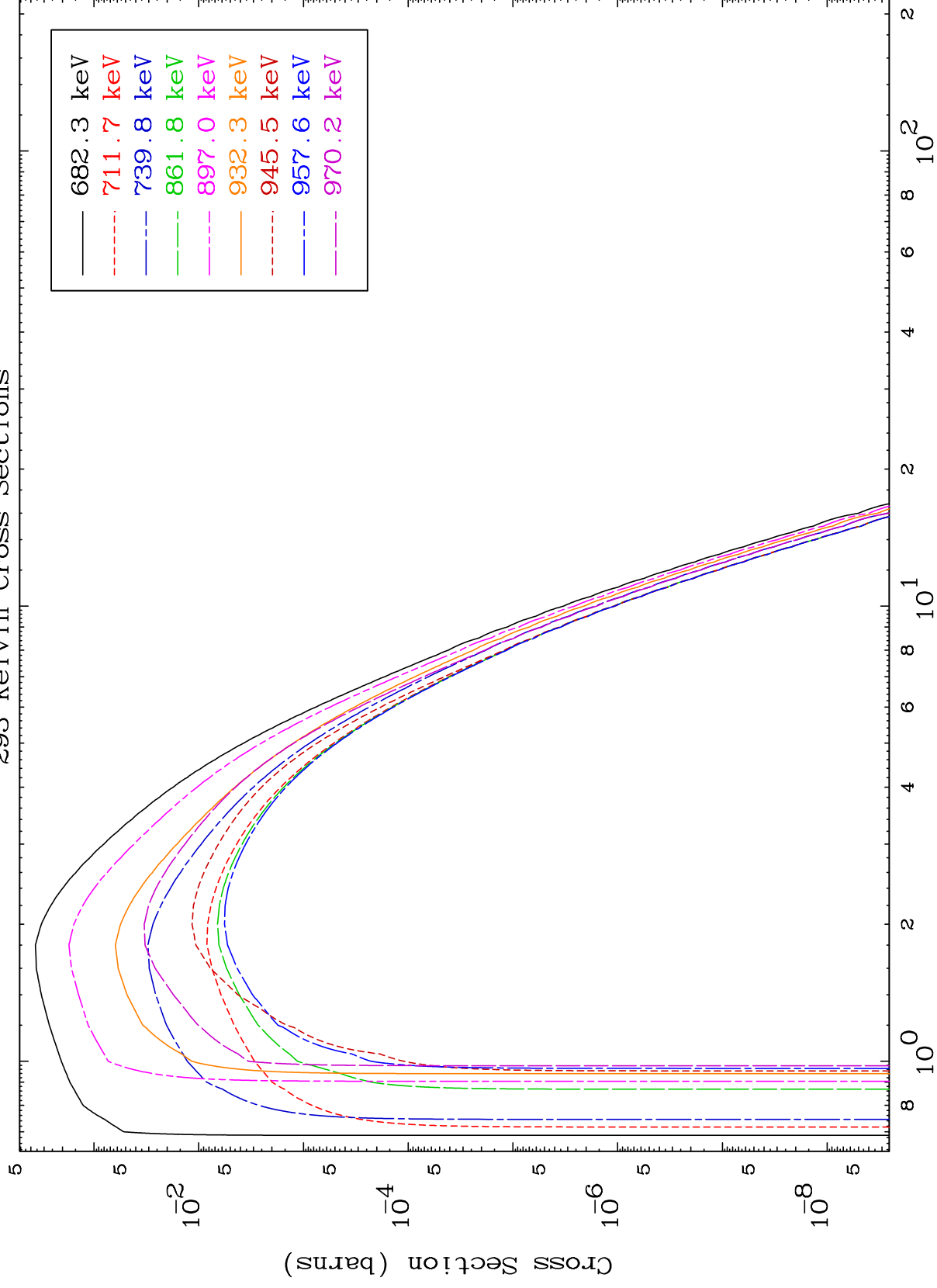
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n,n') Level
293 Kelvin Cross Sections

56-Ba-135



8

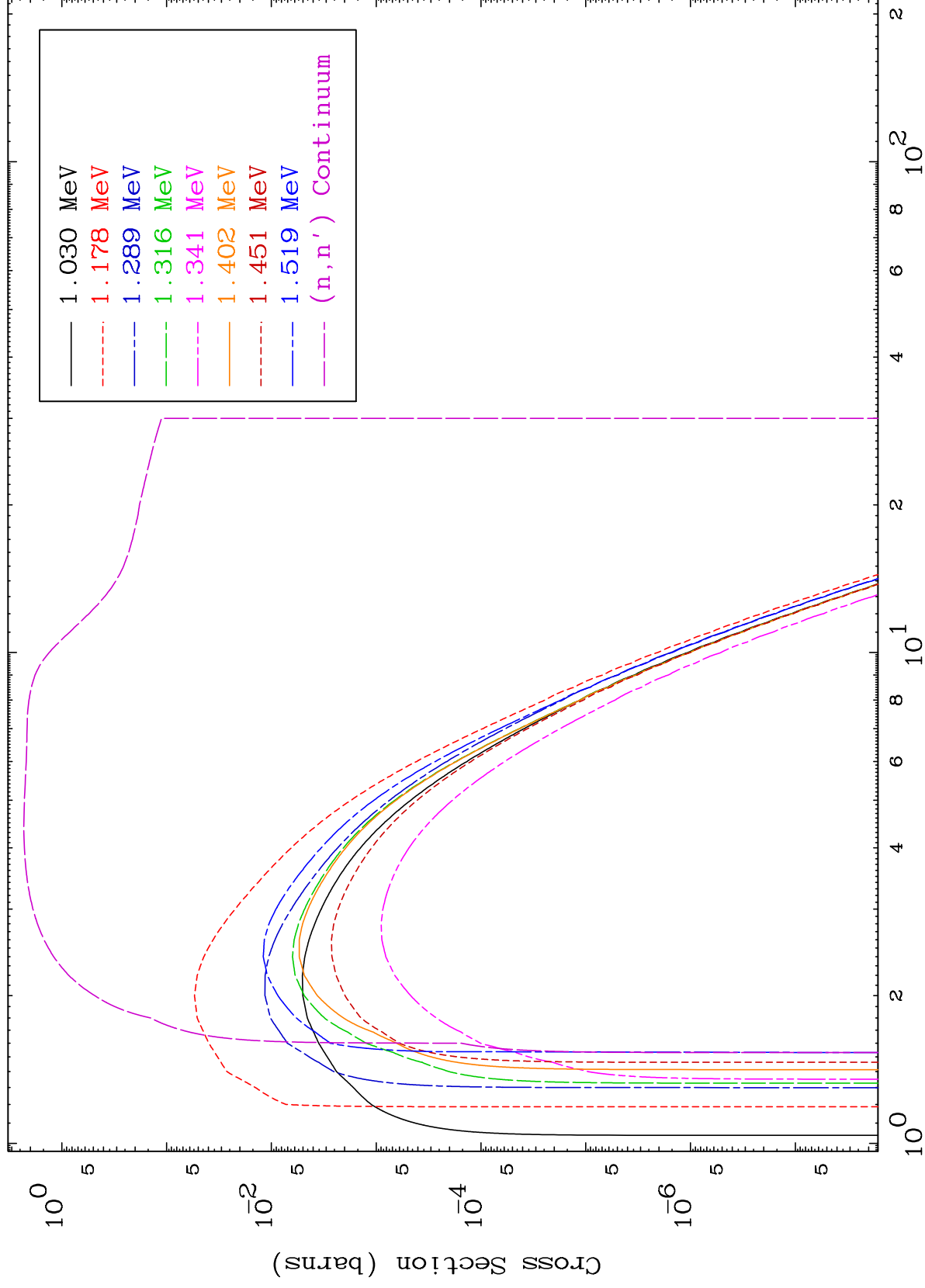
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n,n') Level
293 Kelvin Cross Sections

56-Ba-135



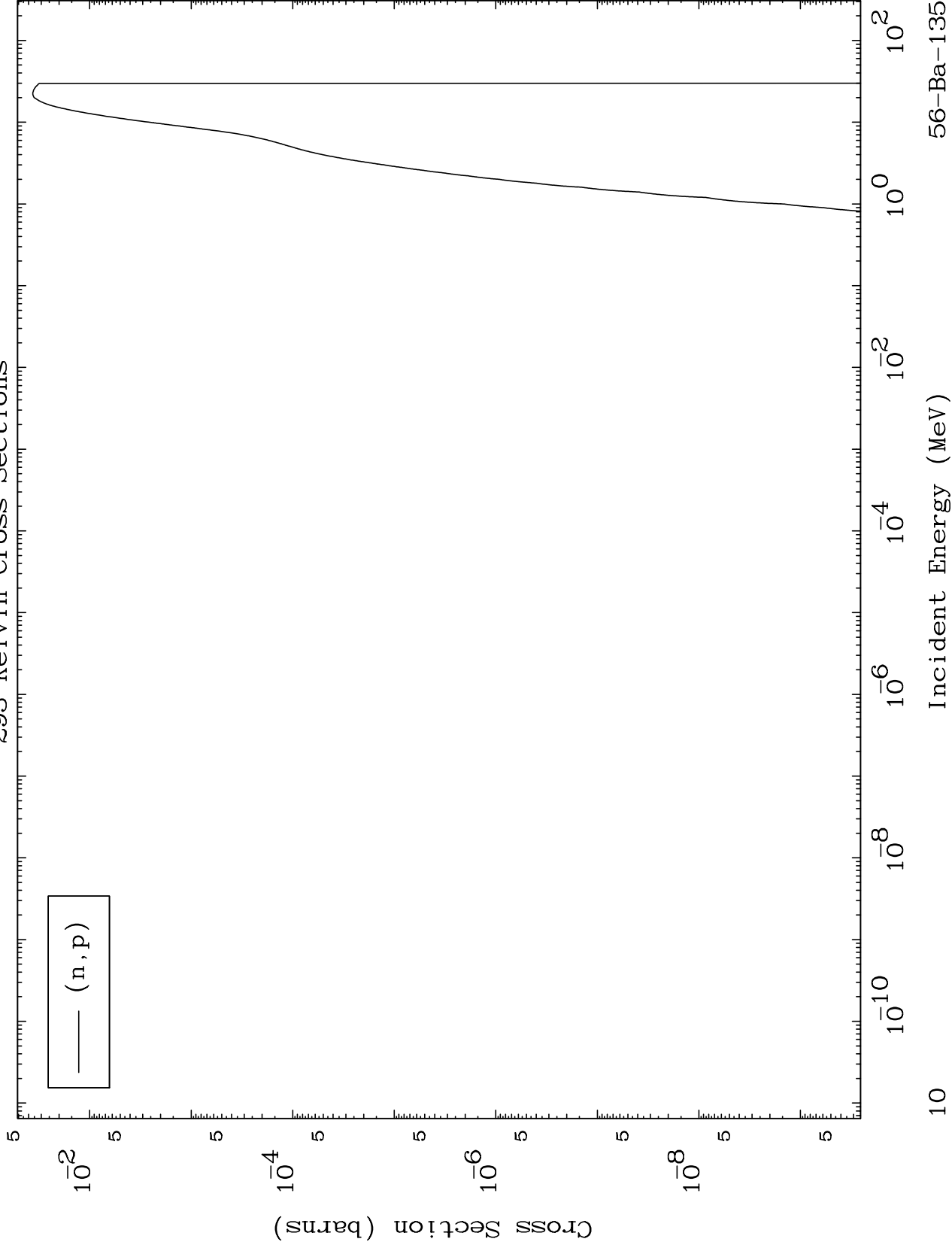
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-135



10

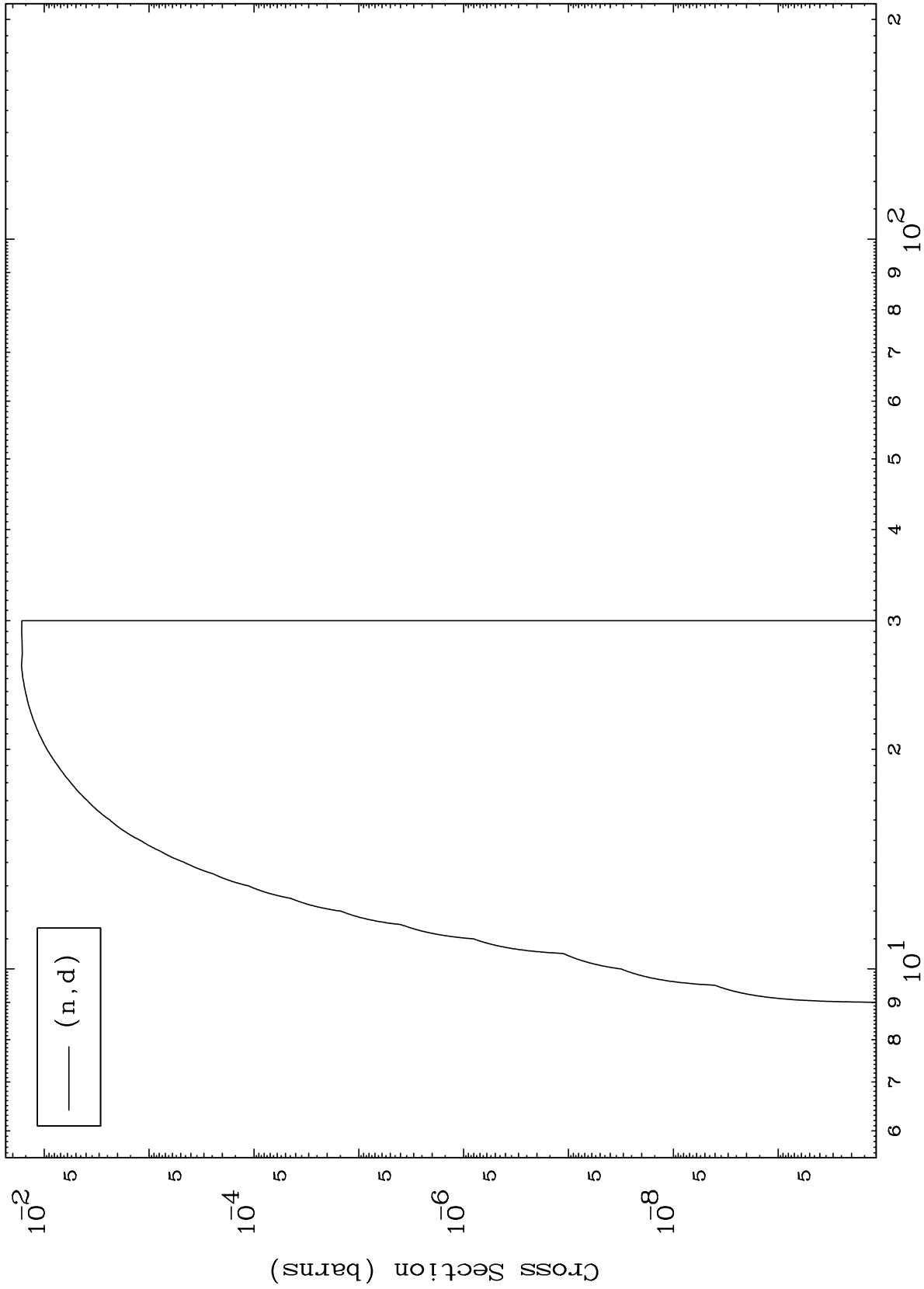
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-135



11

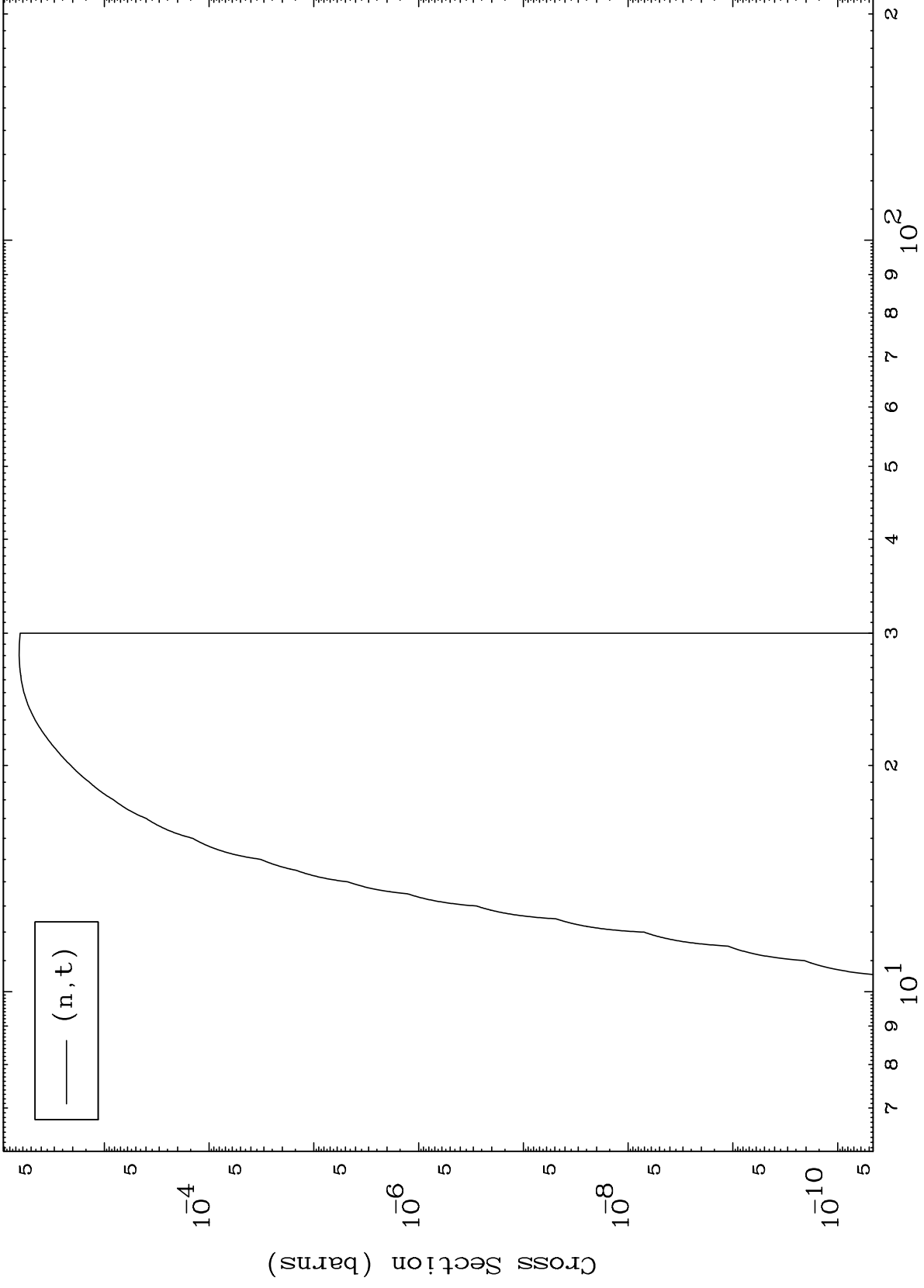
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-135



12

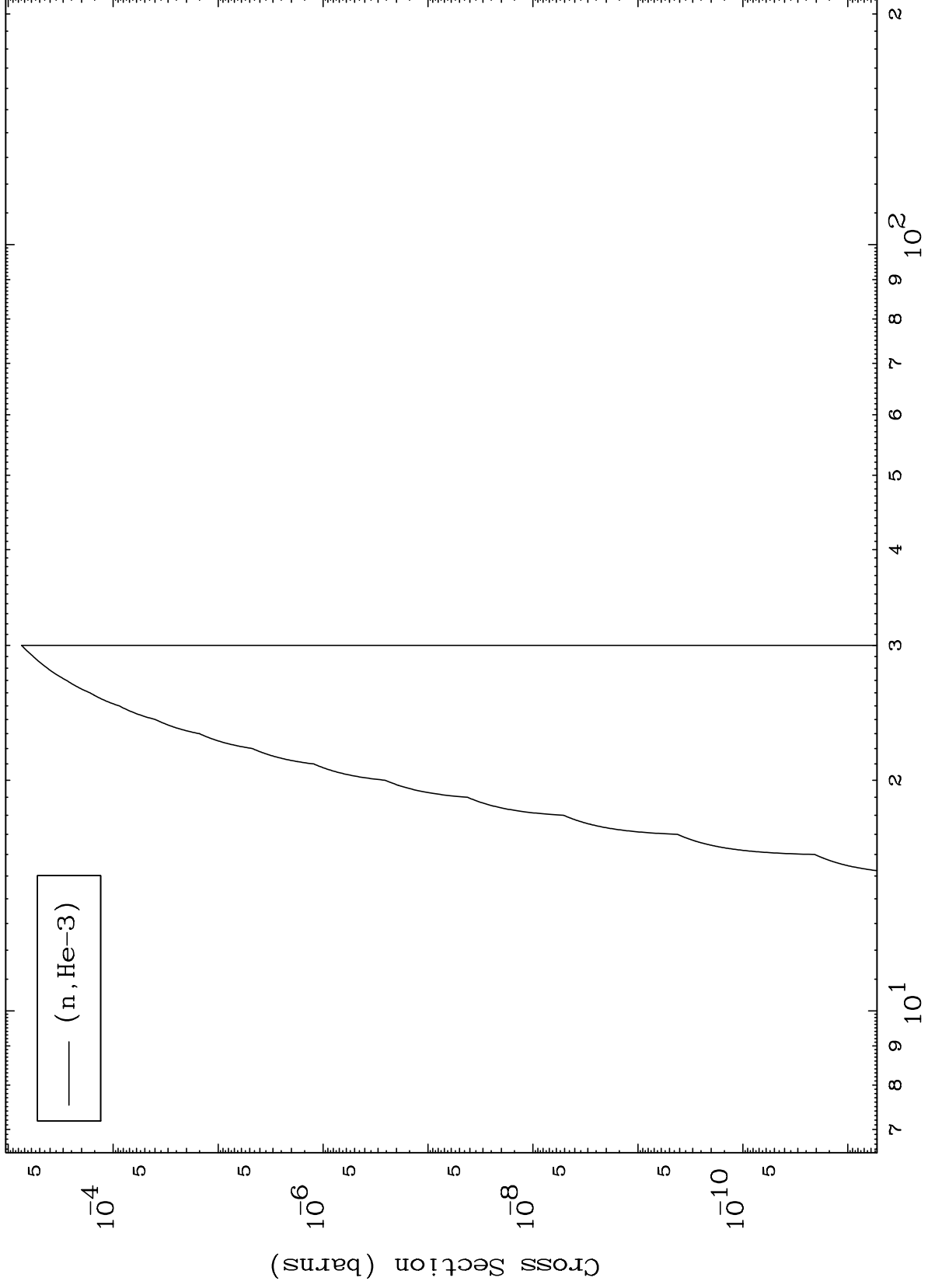
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-135



13

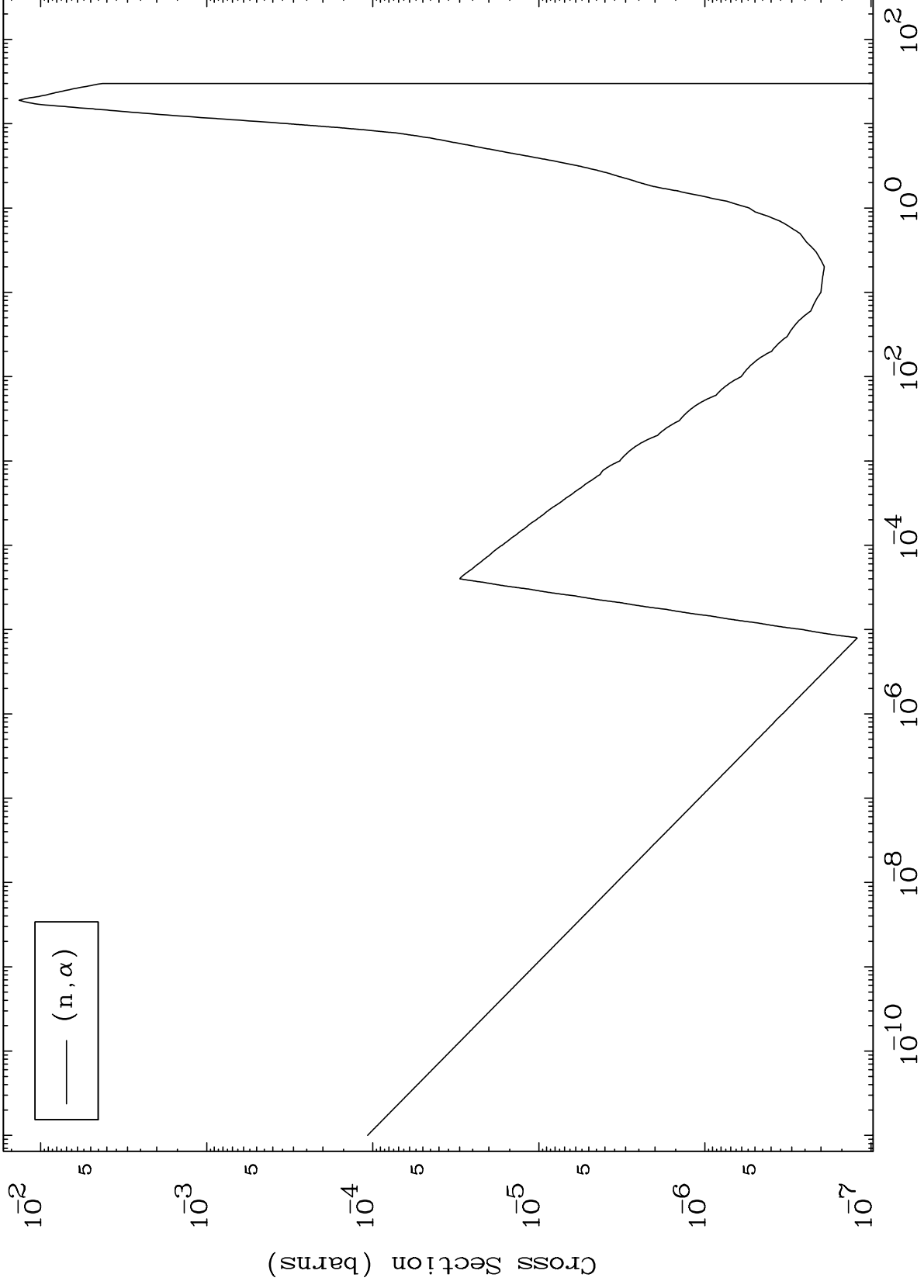
Incident Energy (MeV)

56-Ba-135

MAT 5641

(n, α) Levels
293 Kelvin Cross Sections

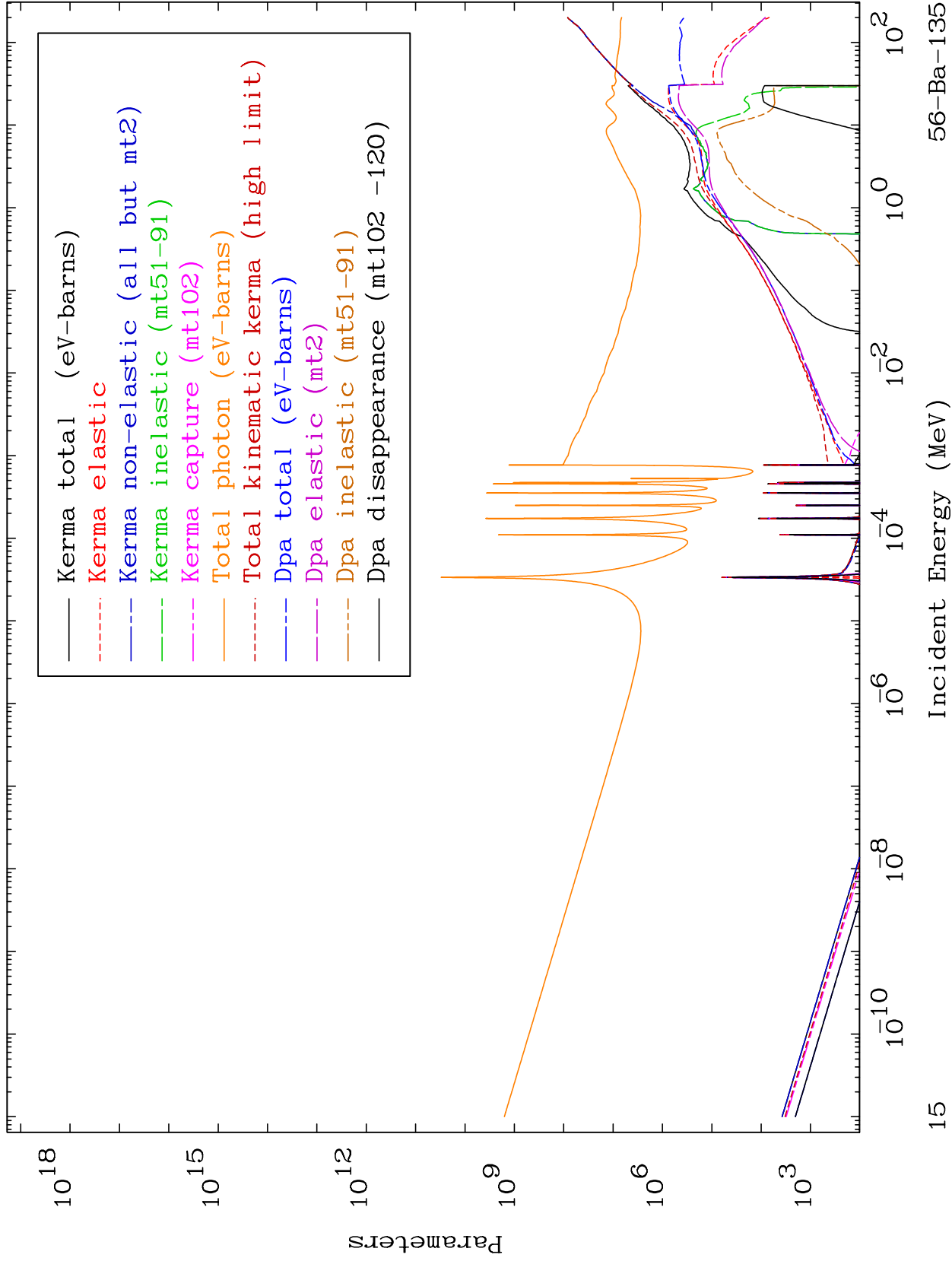
56-Ba-135

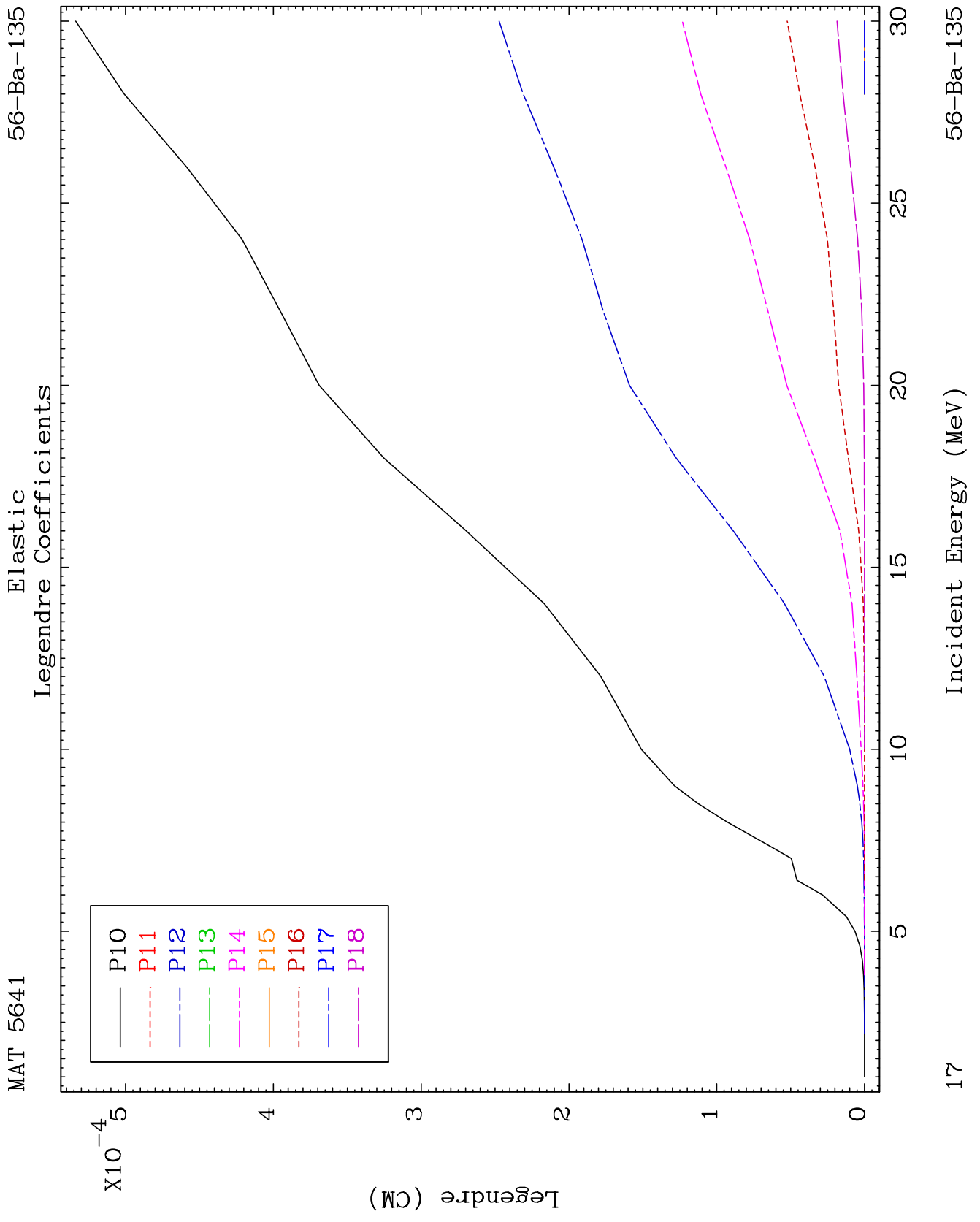


14

Incident Energy (MeV)

56-Ba-135

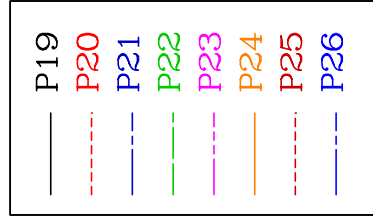




MAT 5641

Elastic Legendre Coefficients

56-Ba-135



$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

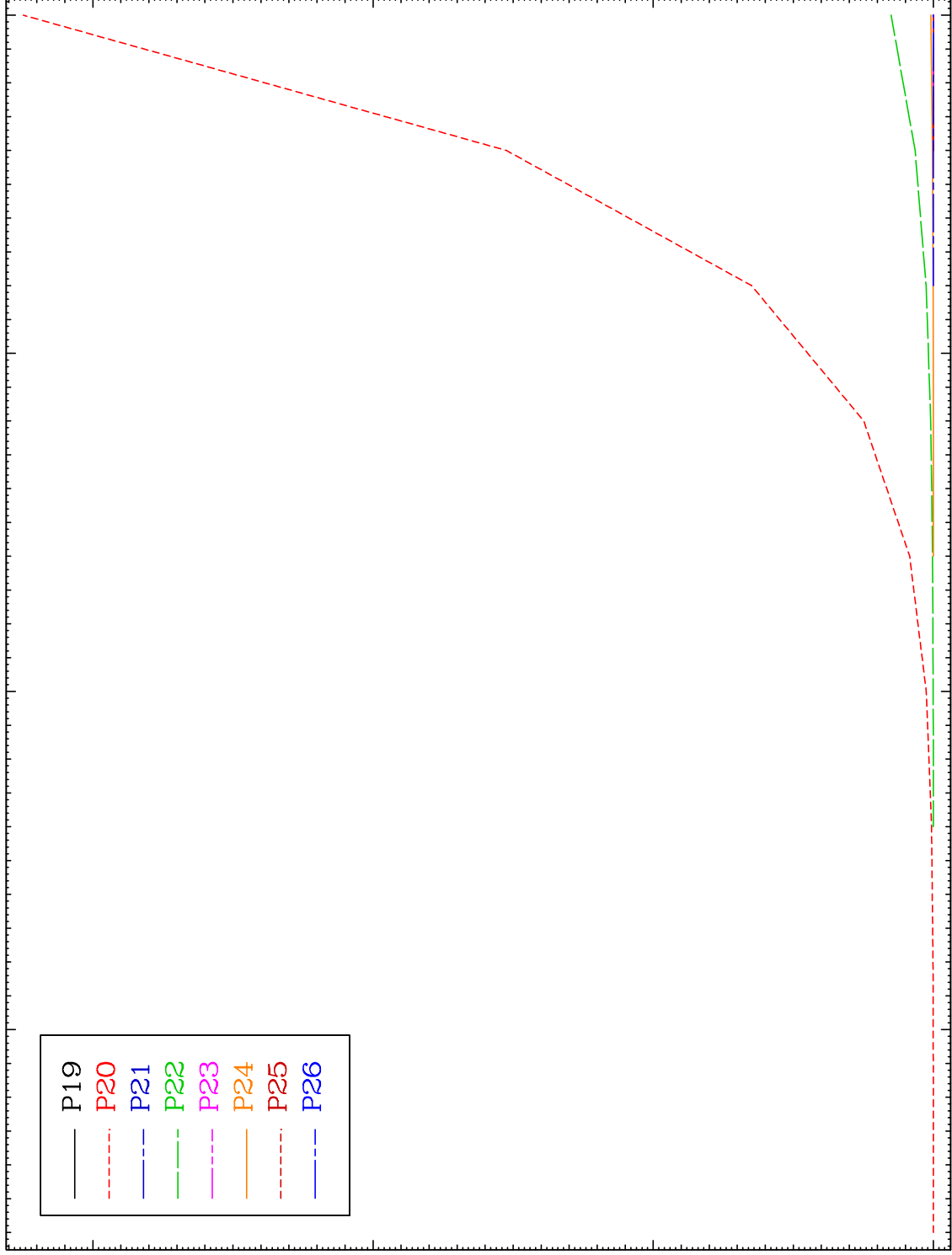
25

30

18

Incident Energy (MeV)

56-Ba-135

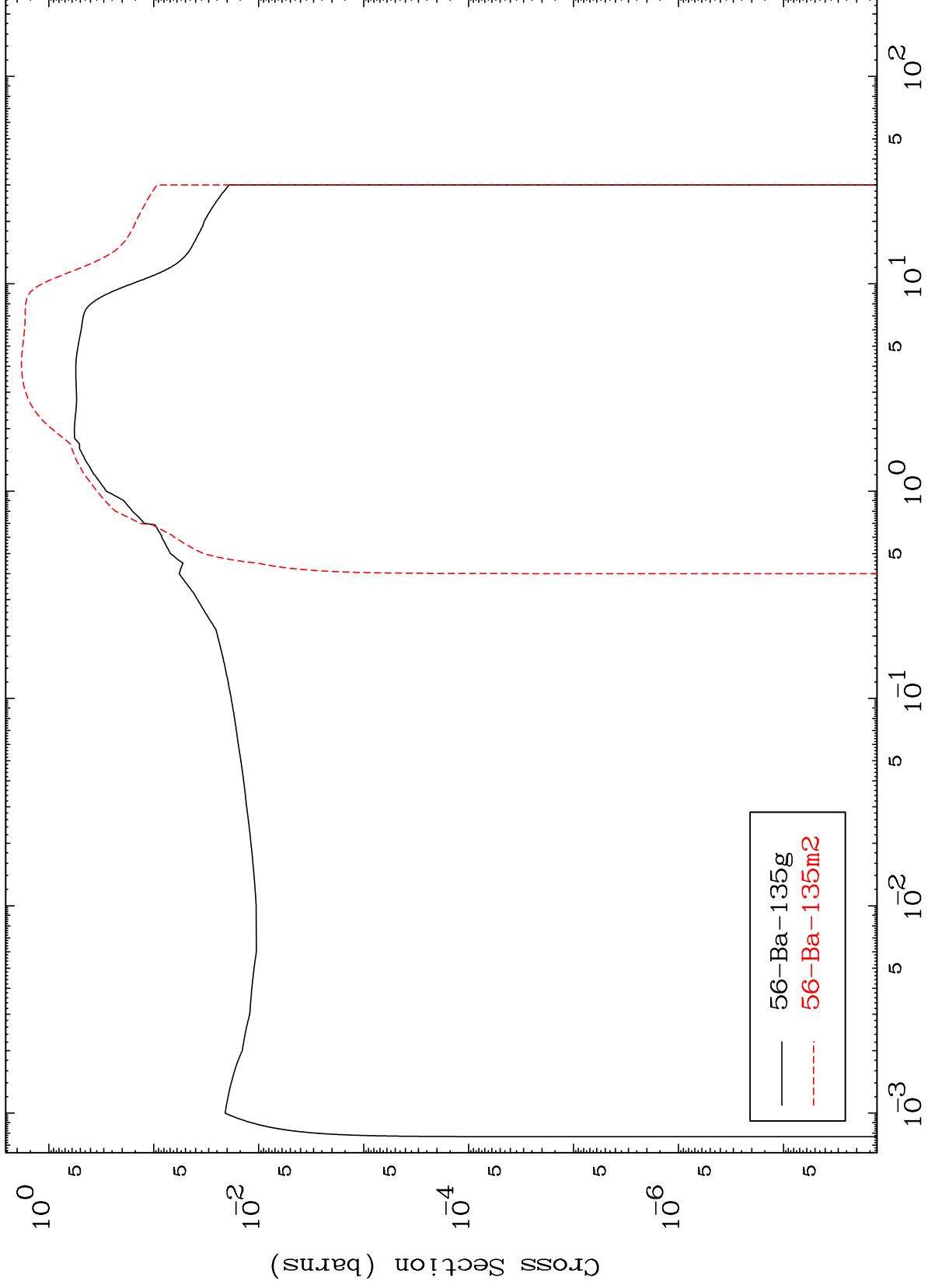


MAT 5641

56-Ba-135

Inelastic

Radionuclide Production Cross Section



19

Incident Energy (MeV)

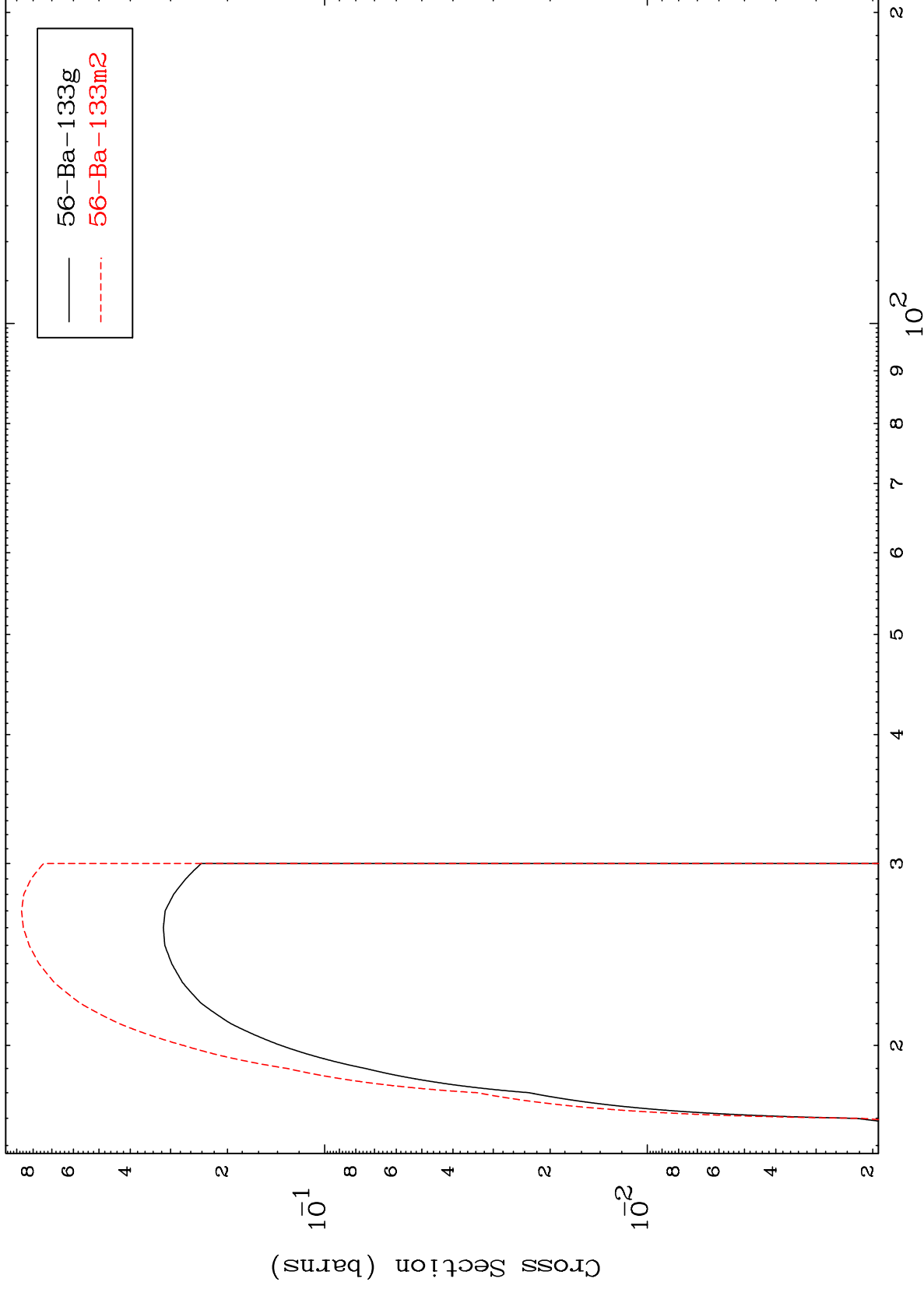
56-Ba-135

MAT 5641

(n,3n)

56-Ba-135

Radionuclide Production Cross Section



20

Incident Energy (MeV)

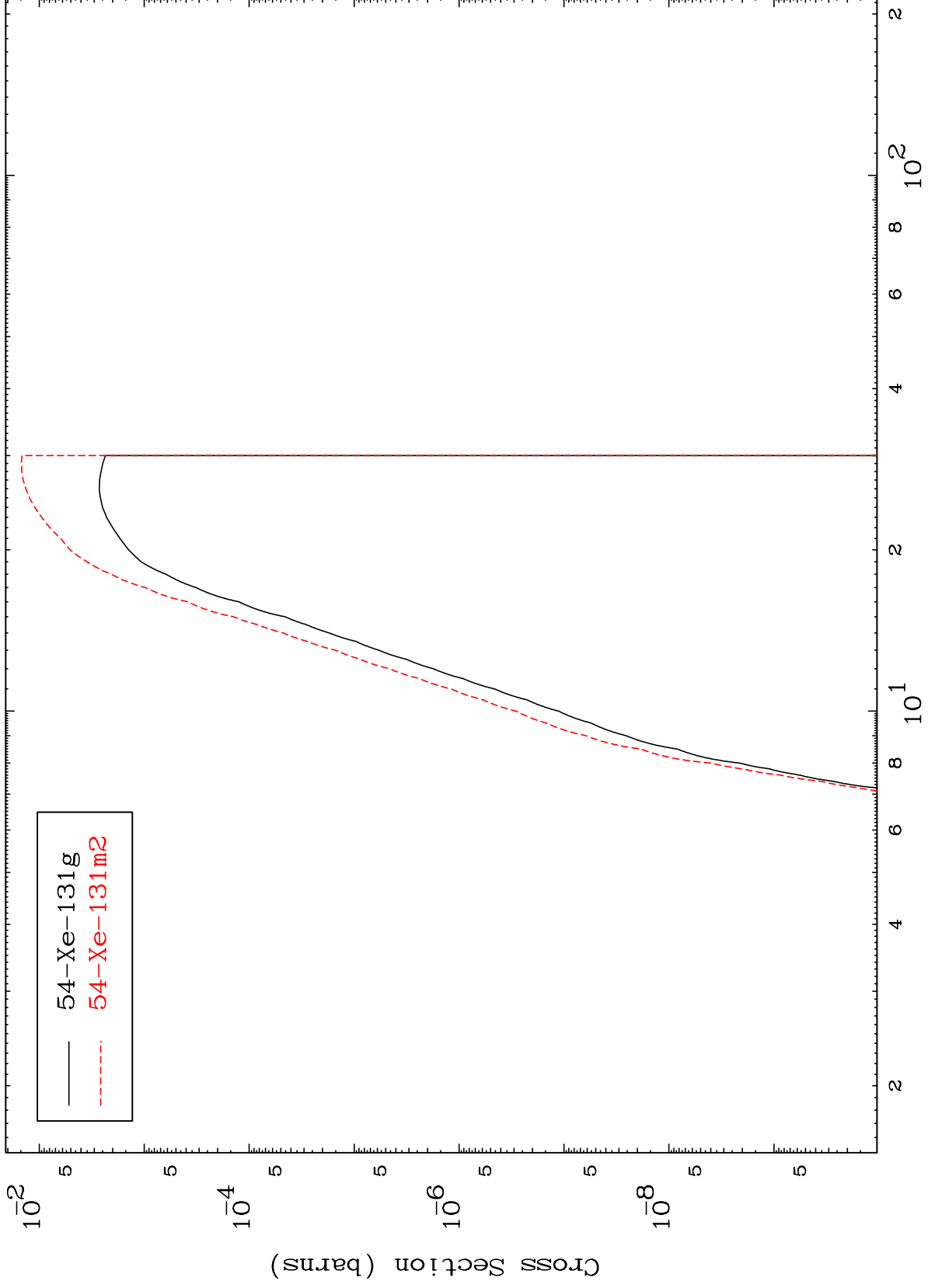
56-Ba-135

MAT 5641

(n,n') α

56-Ba-135

Radionuclide Production Cross Section



21

Incident Energy (MeV)

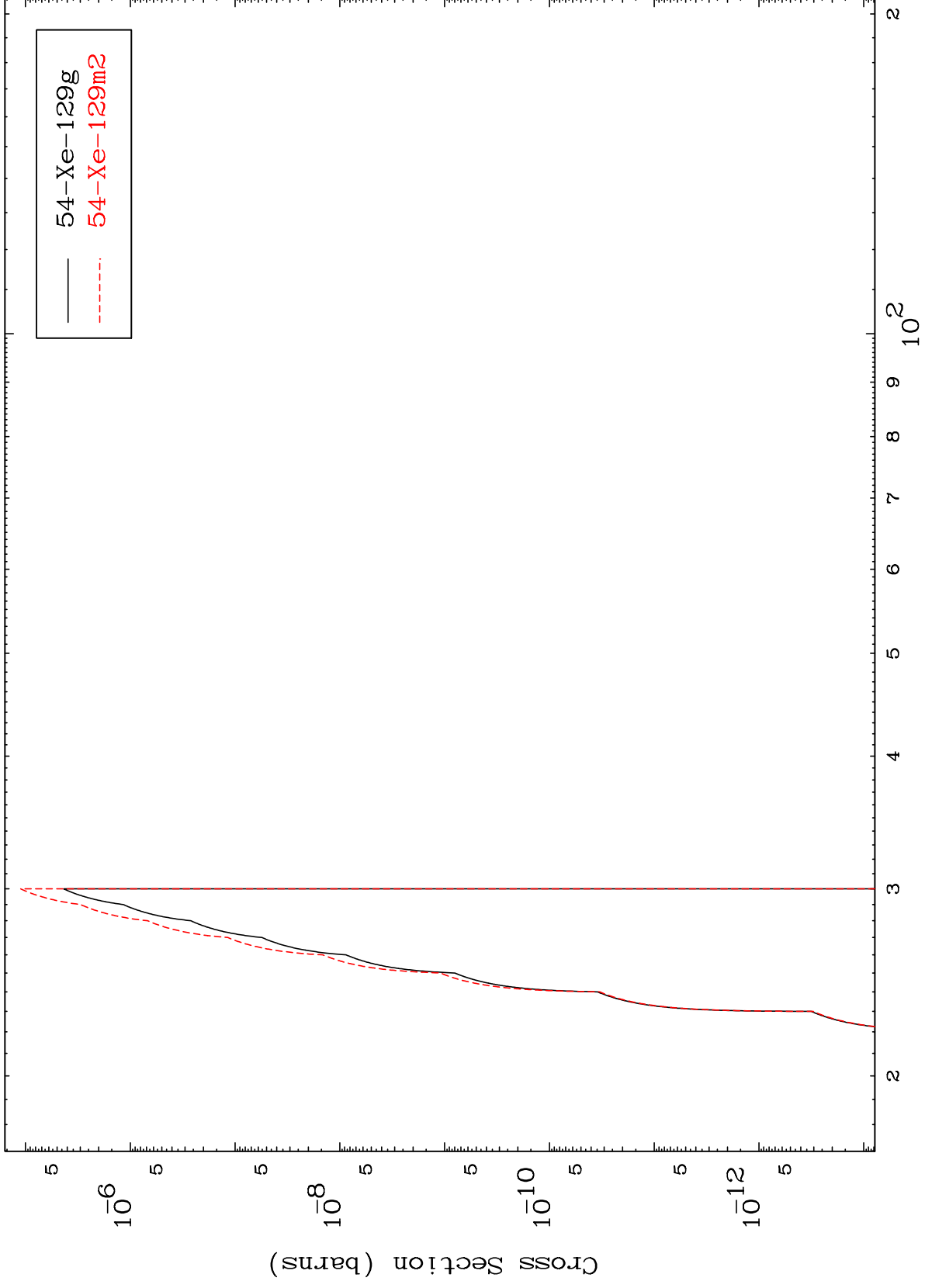
56-Ba-135

MAT 5641

(n,3n) α

56-Ba-135

Radionuclide Production Cross Section



22

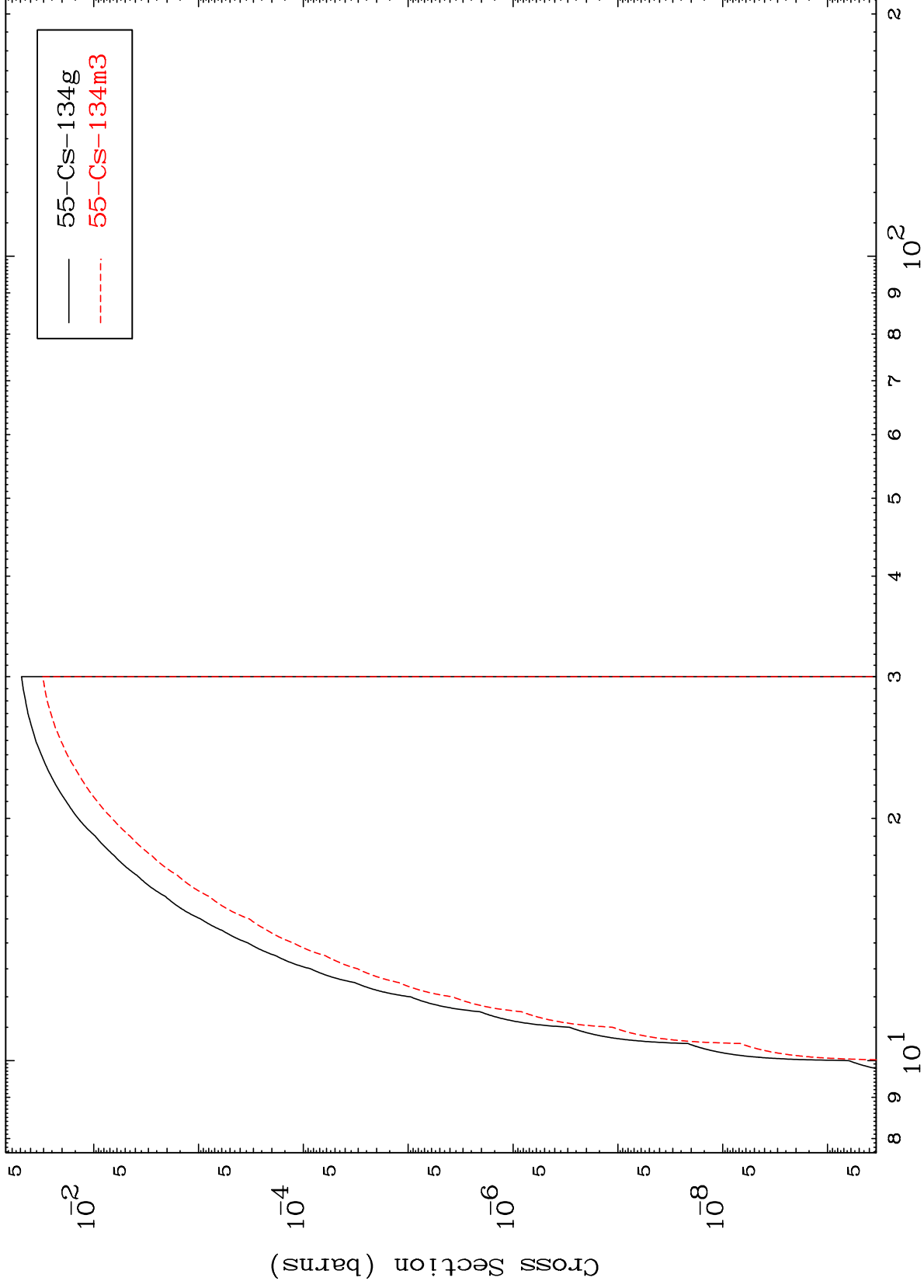
Incident Energy (MeV)

56-Ba-135

MAT 5641

56-Ba-135

(n,n') p
Radionuclide Production Cross Section



56-Ba-135

Incident Energy (MeV)

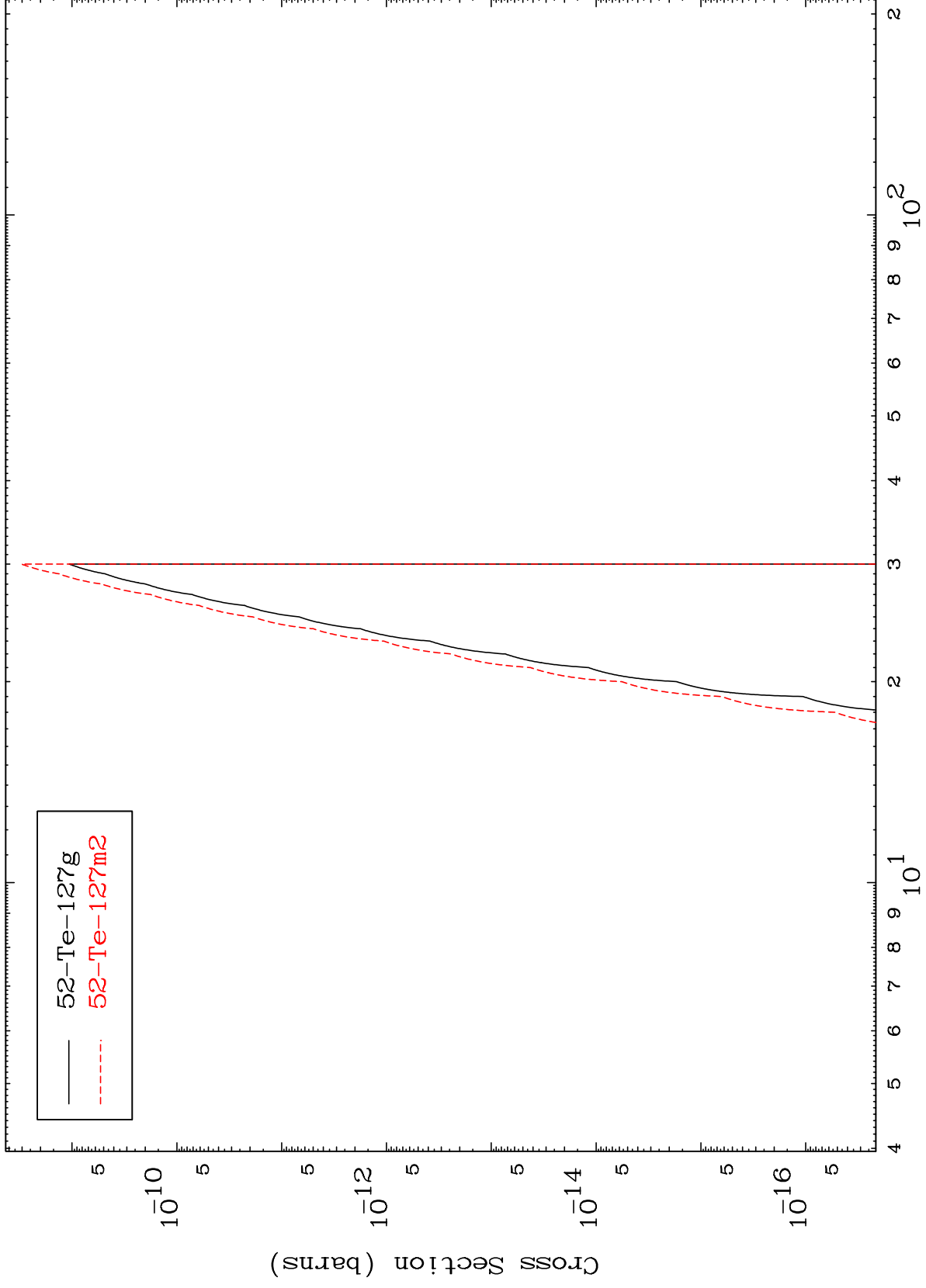
23

MAT 5641

(n,n') 2α

56-Ba-135

Radionuclide Production Cross Section



24

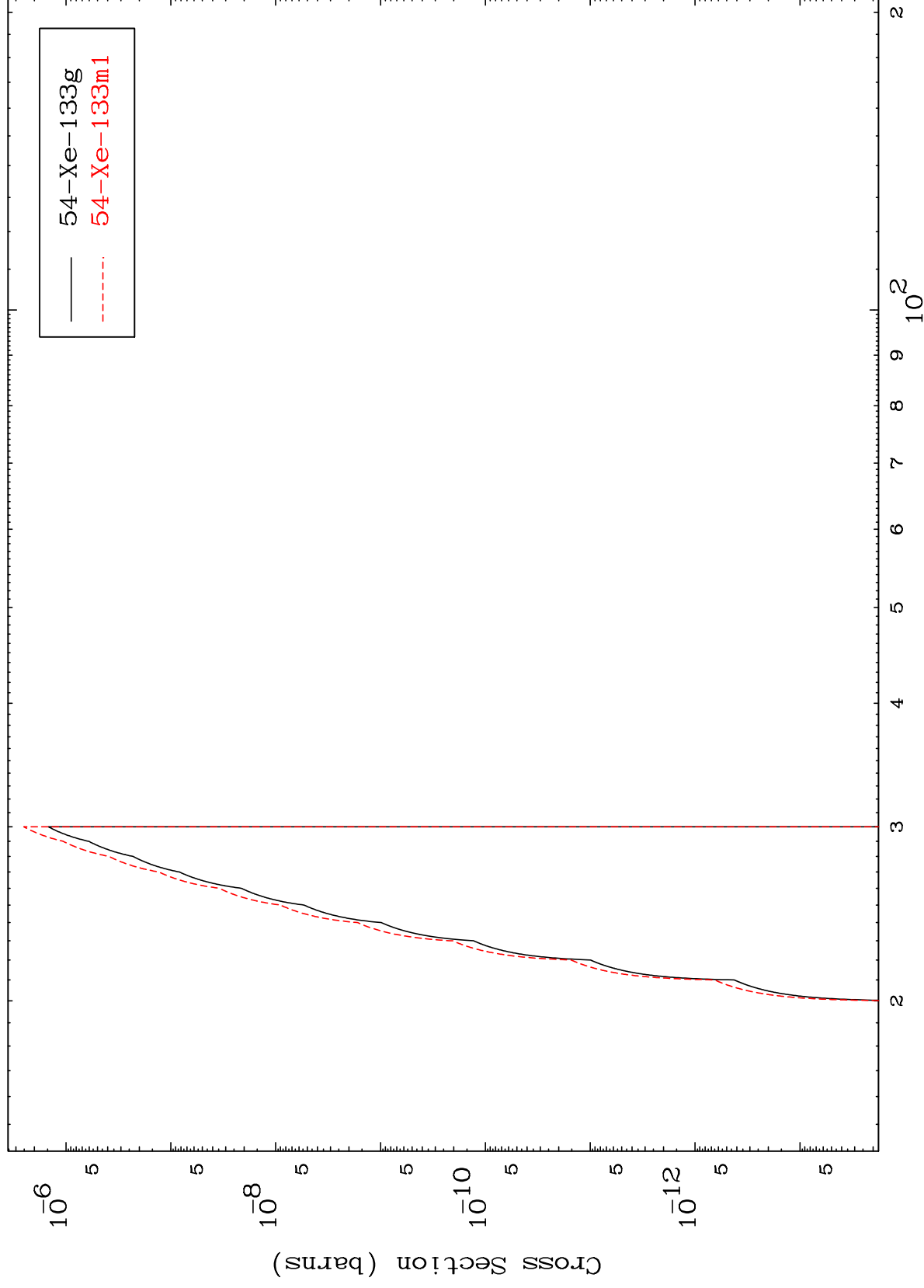
Incident Energy (MeV)

56-Ba-135

MAT 5641

56-Ba-135

(n,2n) p
Radionuclide Production Cross Section



25

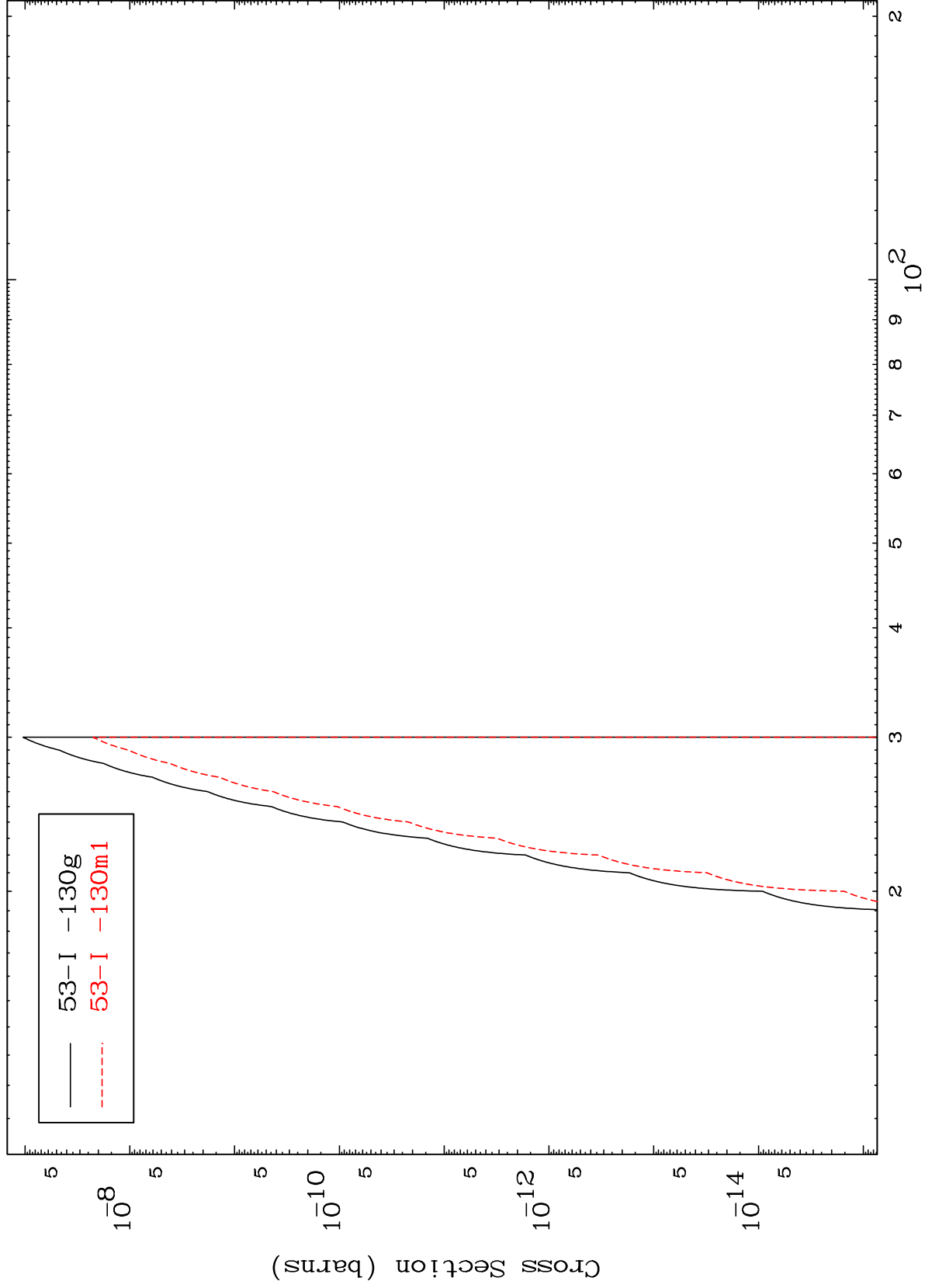
56-Ba-135

MAT 5641

(n,n') p α

56-Ba-135

Radionuclide Production Cross Section



26

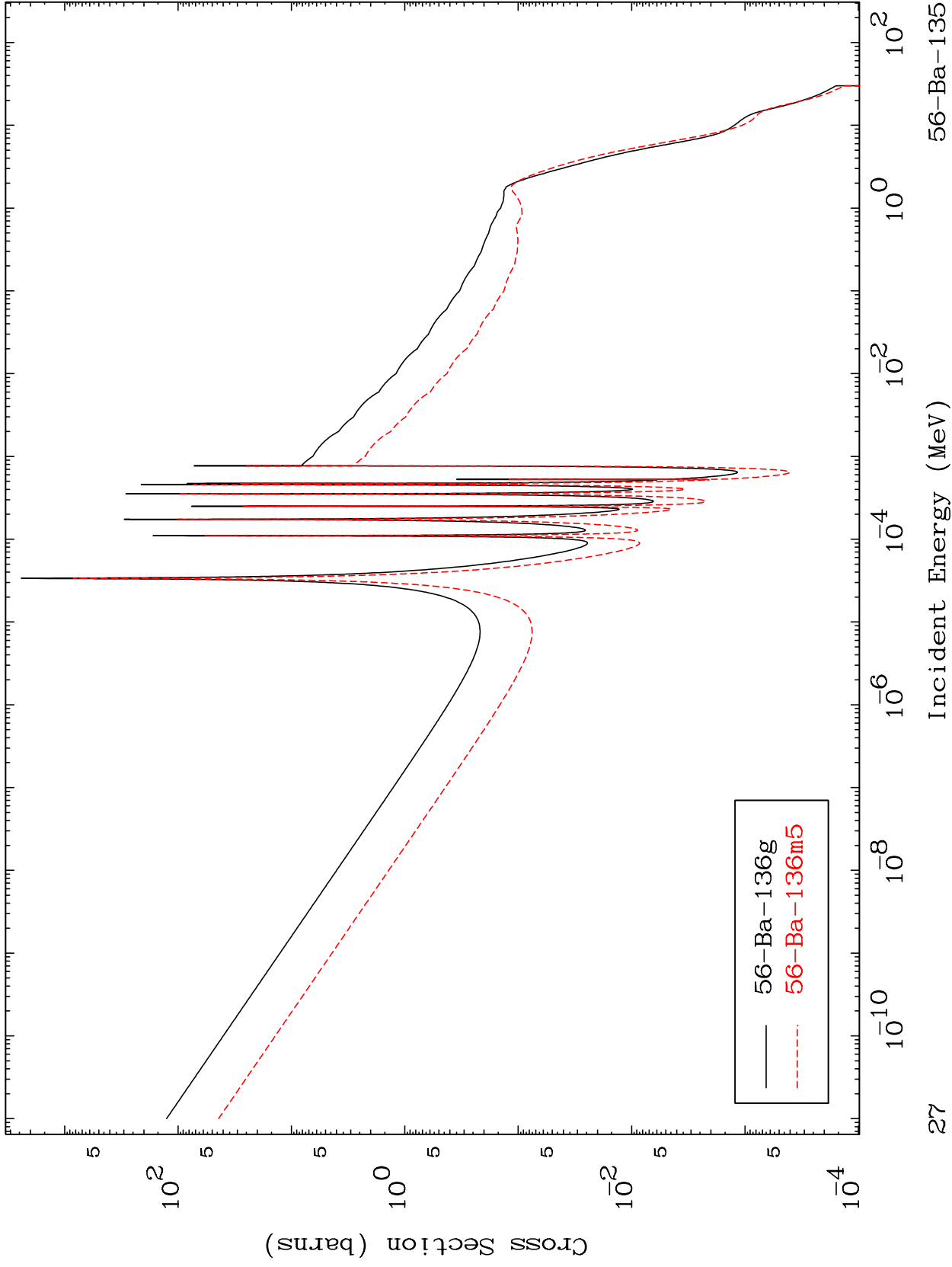
Incident Energy (MeV)

56-Ba-135

MAT 5641

56-Ba-135

(n,γ)
Radionuclide Production Cross Section



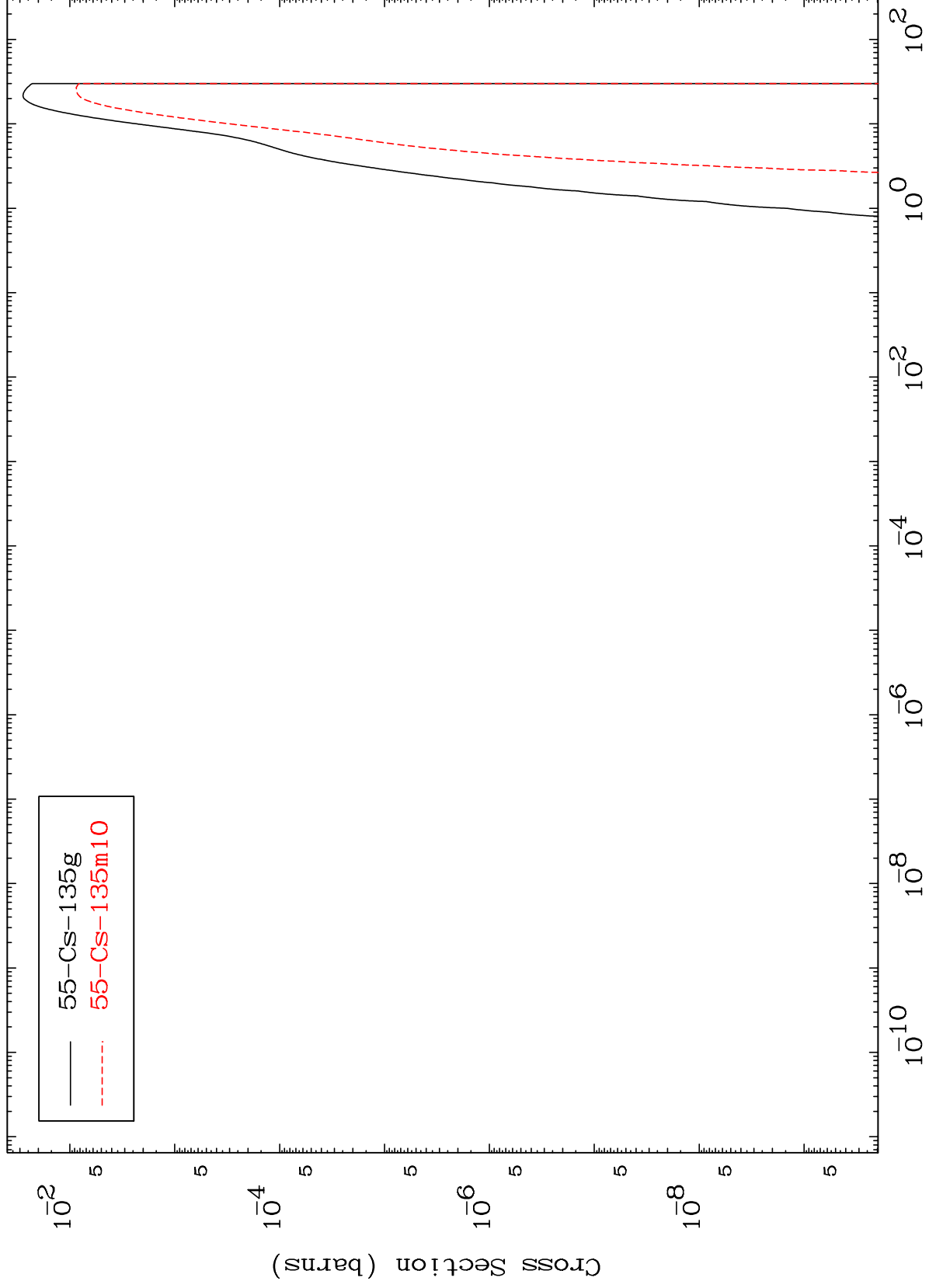
27

56-Ba-135

MAT 5641

56-Ba-135

(n,p)
Radionuclide Production Cross Section



Incident Energy (MeV)

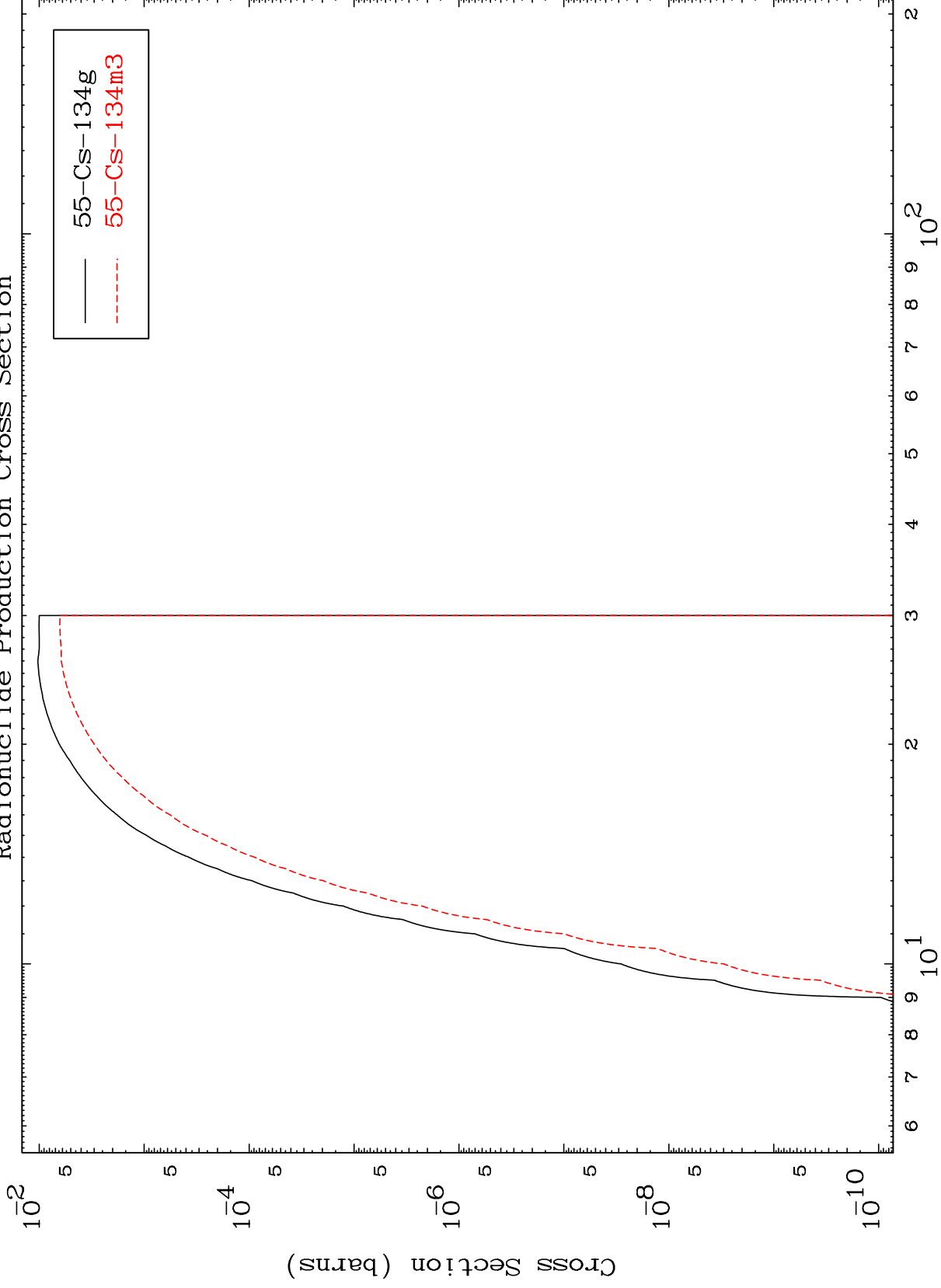
56-Ba-135

28

MAT 5641

56-Ba-135

(n,d)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

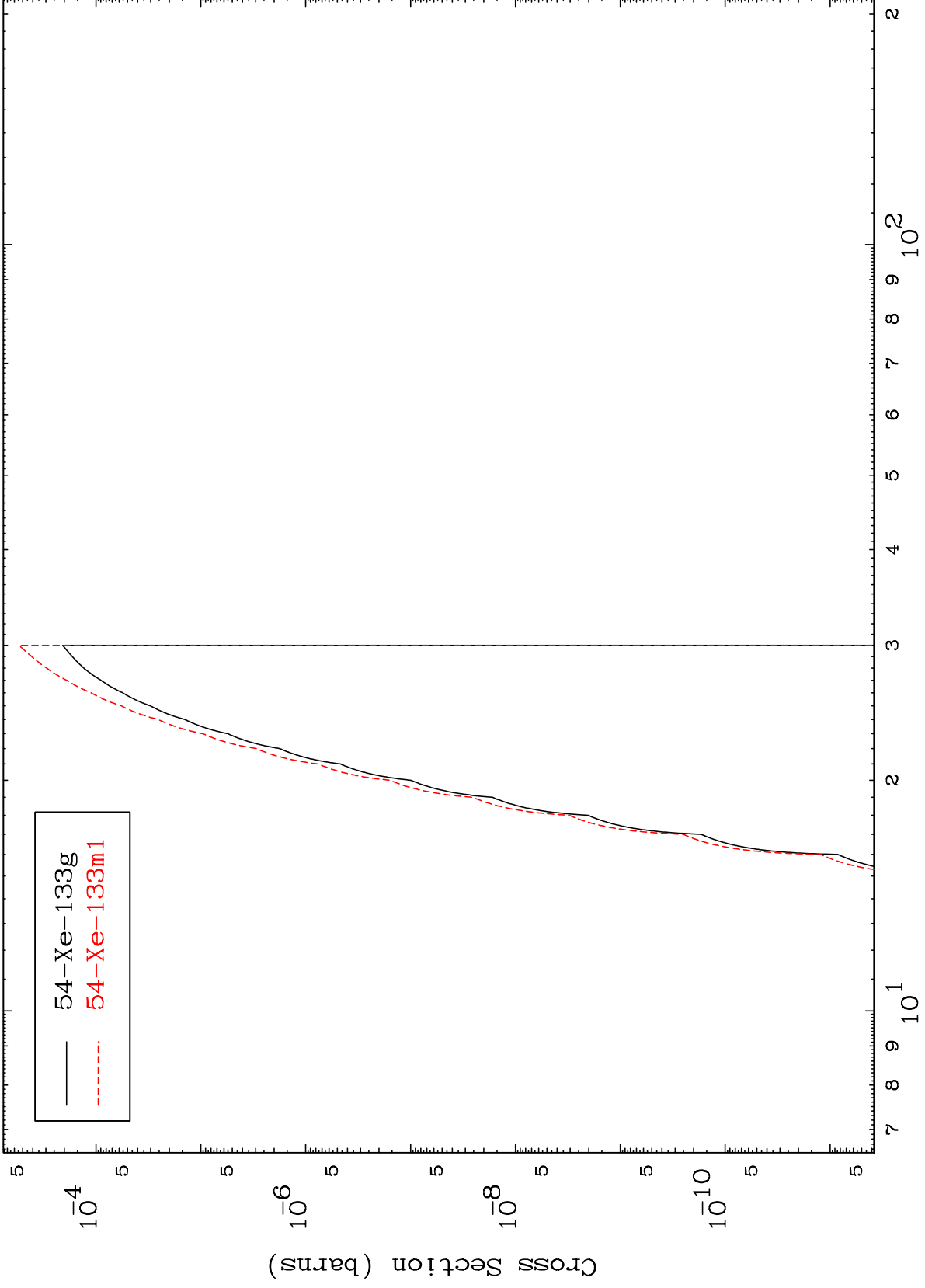
56-Ba-135

MAT 5641

(n,He-3)

56-Ba-135

Radionuclide Production Cross Section



30

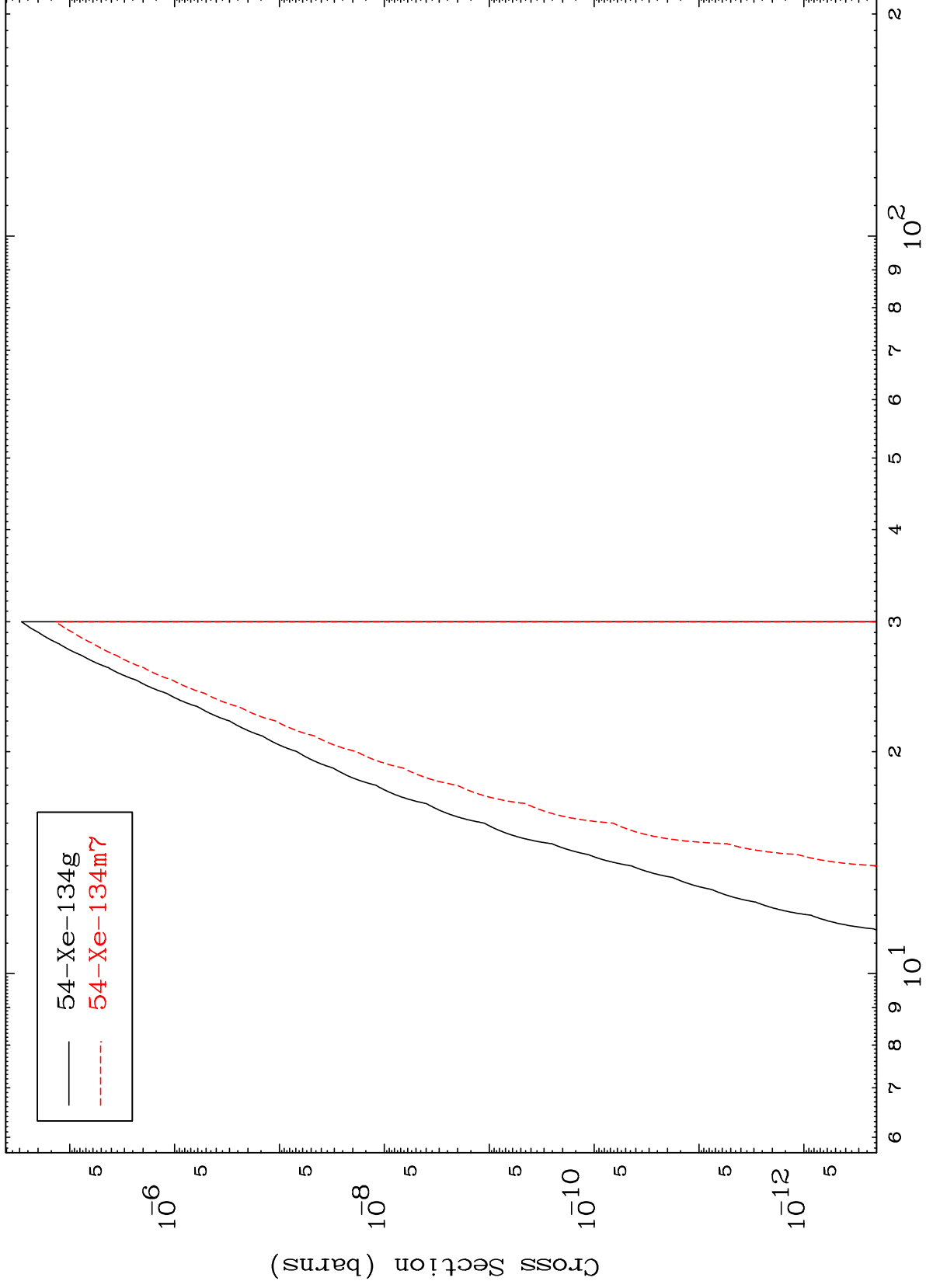
Incident Energy (MeV)

56-Ba-135

MAT 5641

56-Ba-135

(n,2p)
Radionuclide Production Cross Section



31

Incident Energy (MeV)

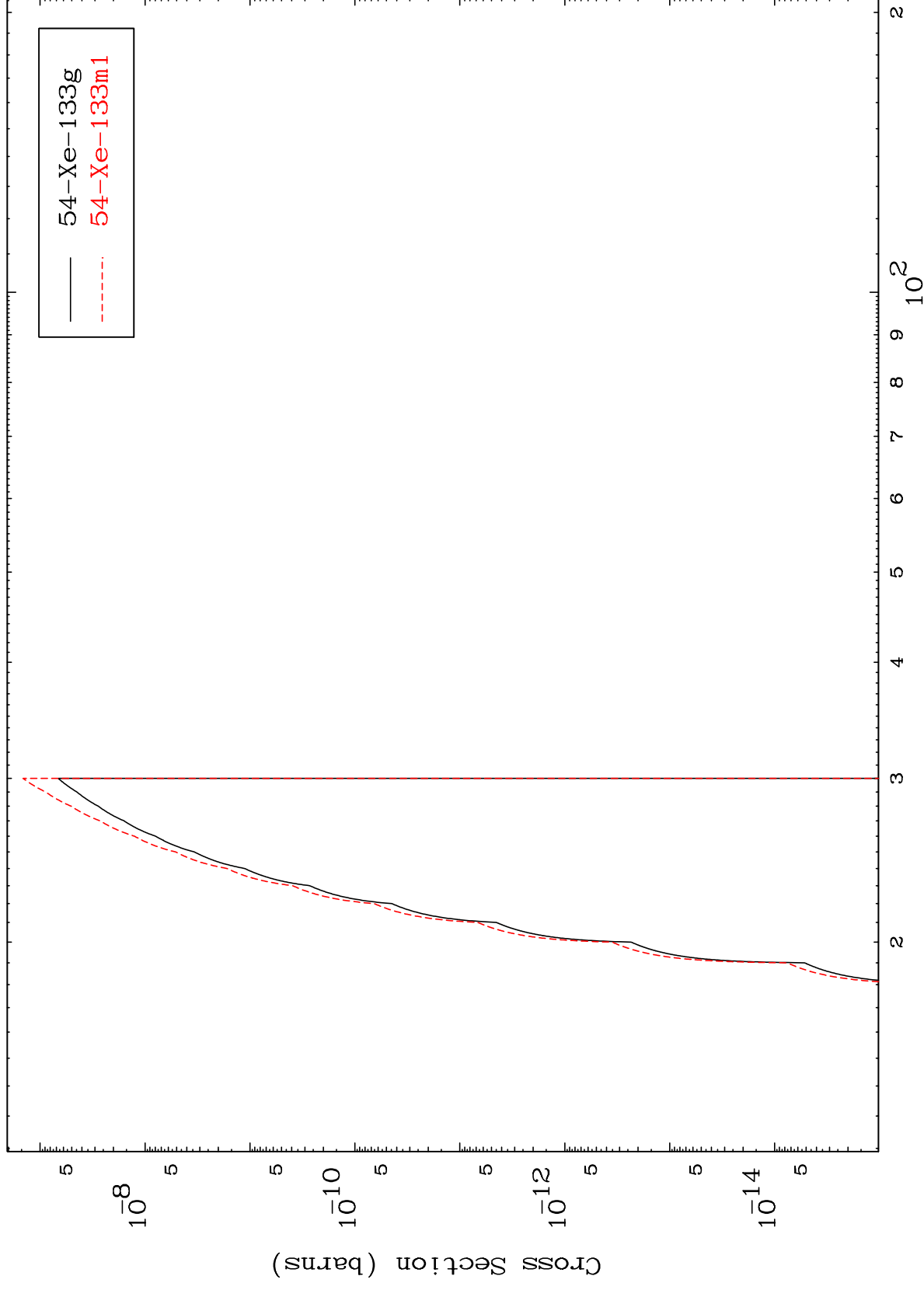
56-Ba-135

MAT 5641

(n,p) d

56-Ba-135

Radionuclide Production Cross Section



32

Incident Energy (MeV)

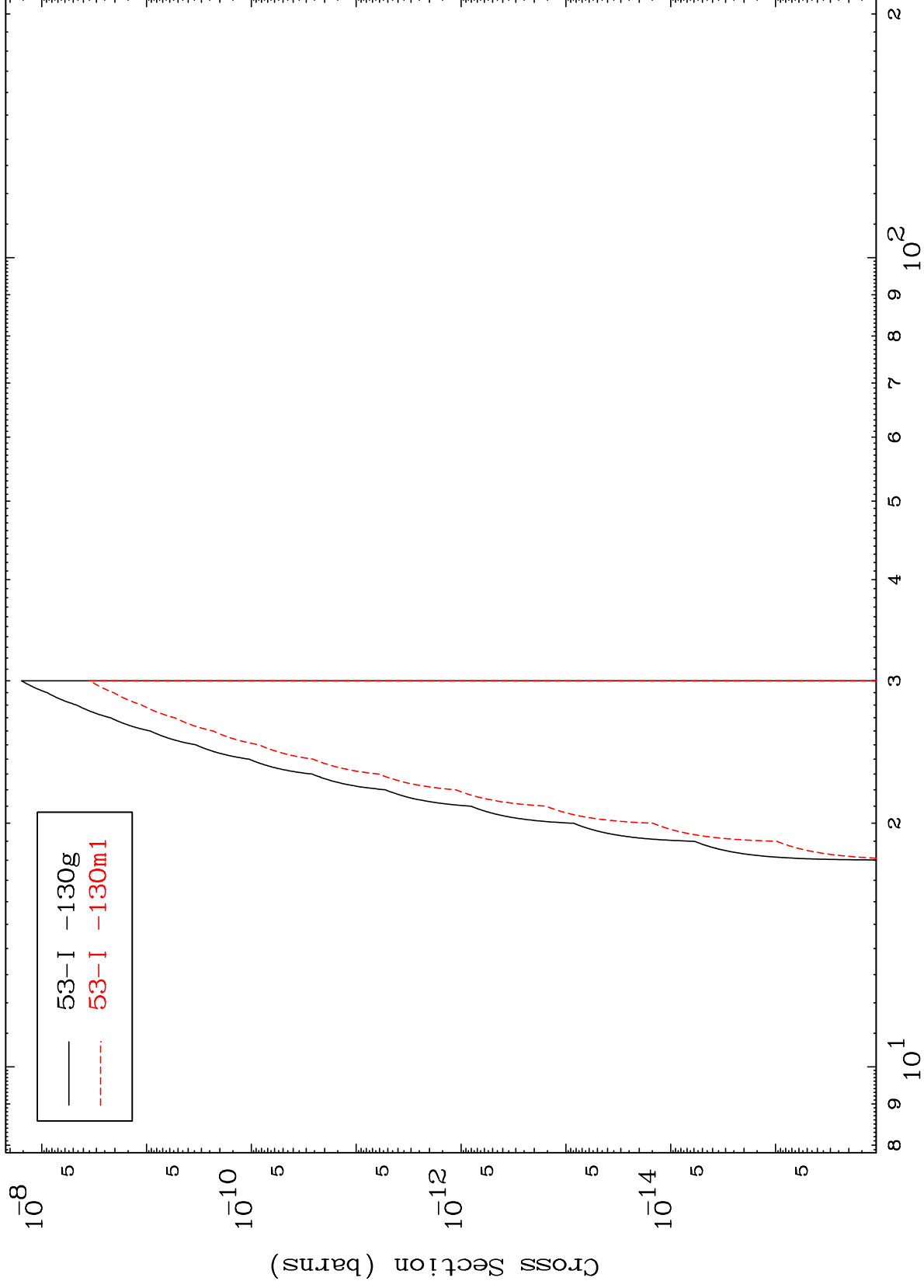
56-Ba-135

MAT 5641

56-Ba-135

(n,d) α

Radionuclide Production Cross Section



33

56-Ba-135

Incident Energy (MeV)