

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

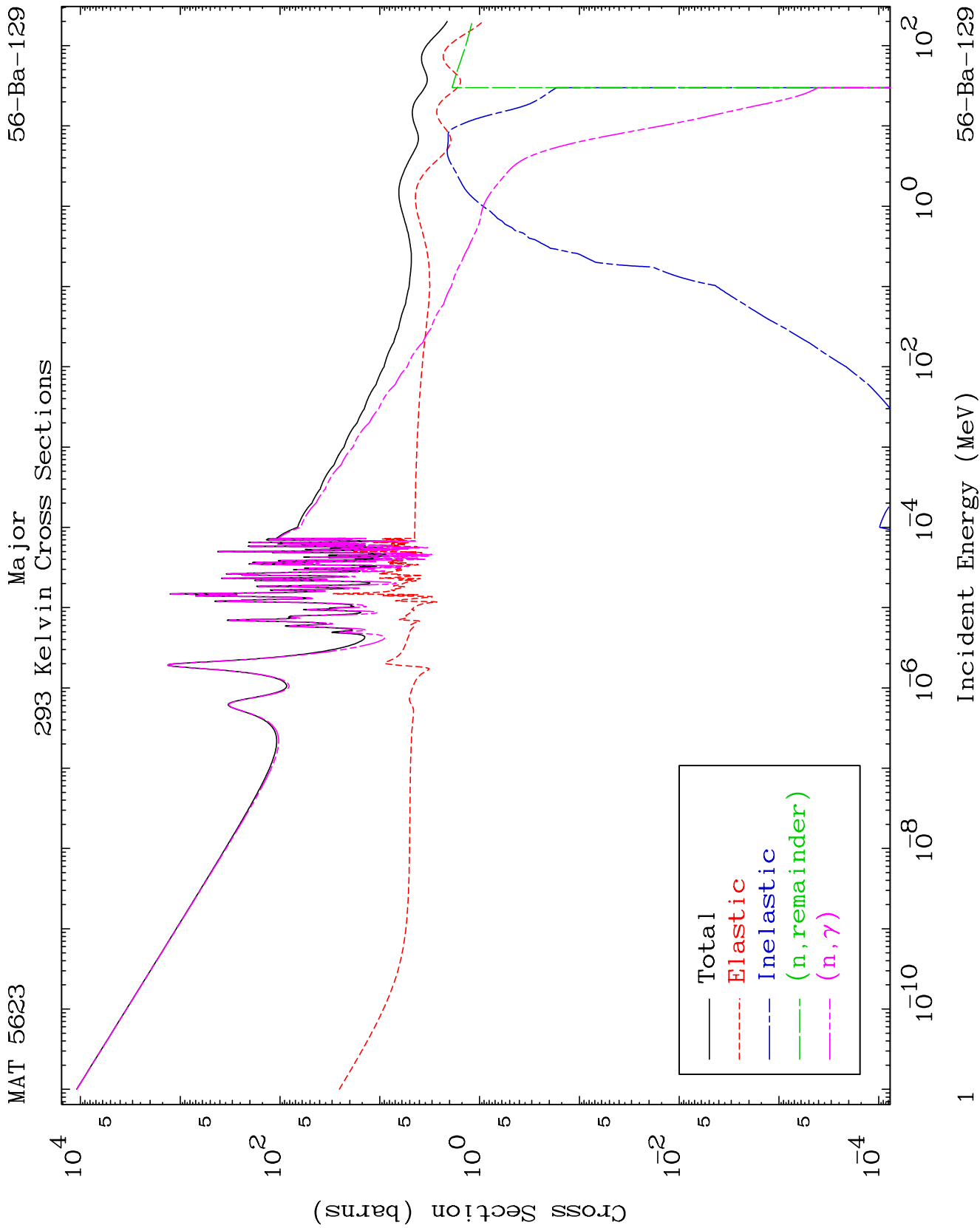
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

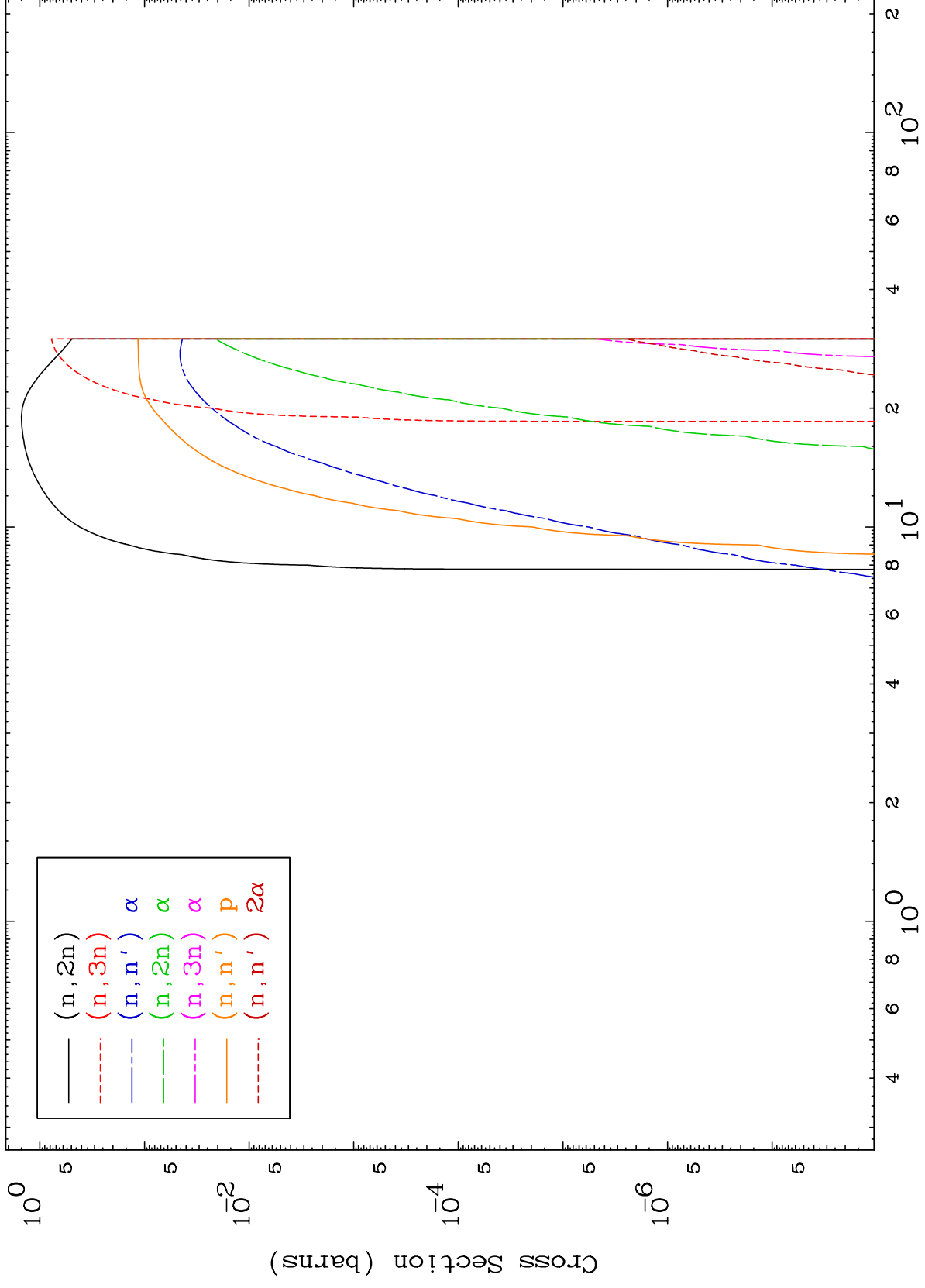
Press Mouse Button to Start

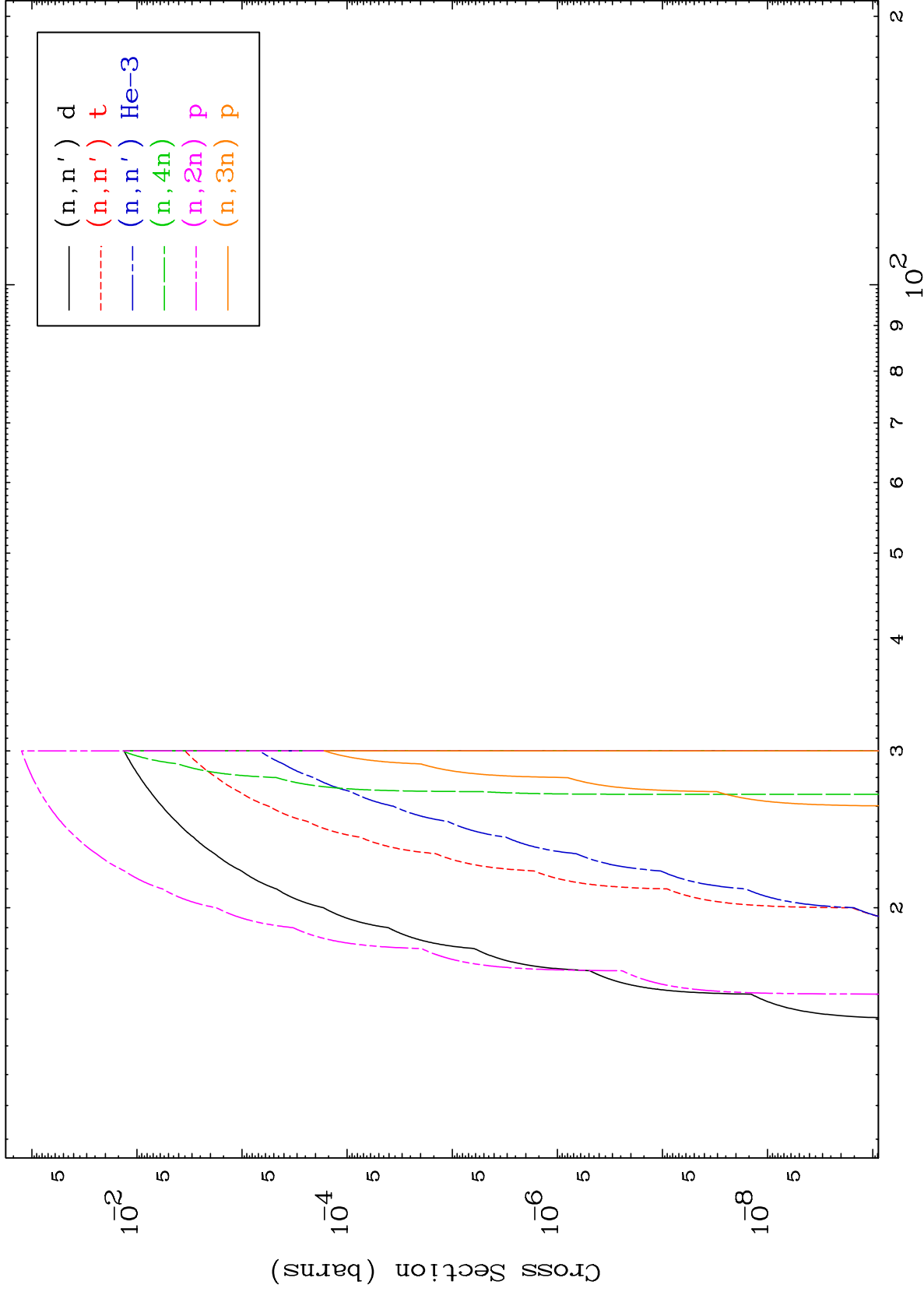


MAT 5623

Neutron Production
293 Kelvin Cross Sections

56-Ba-129

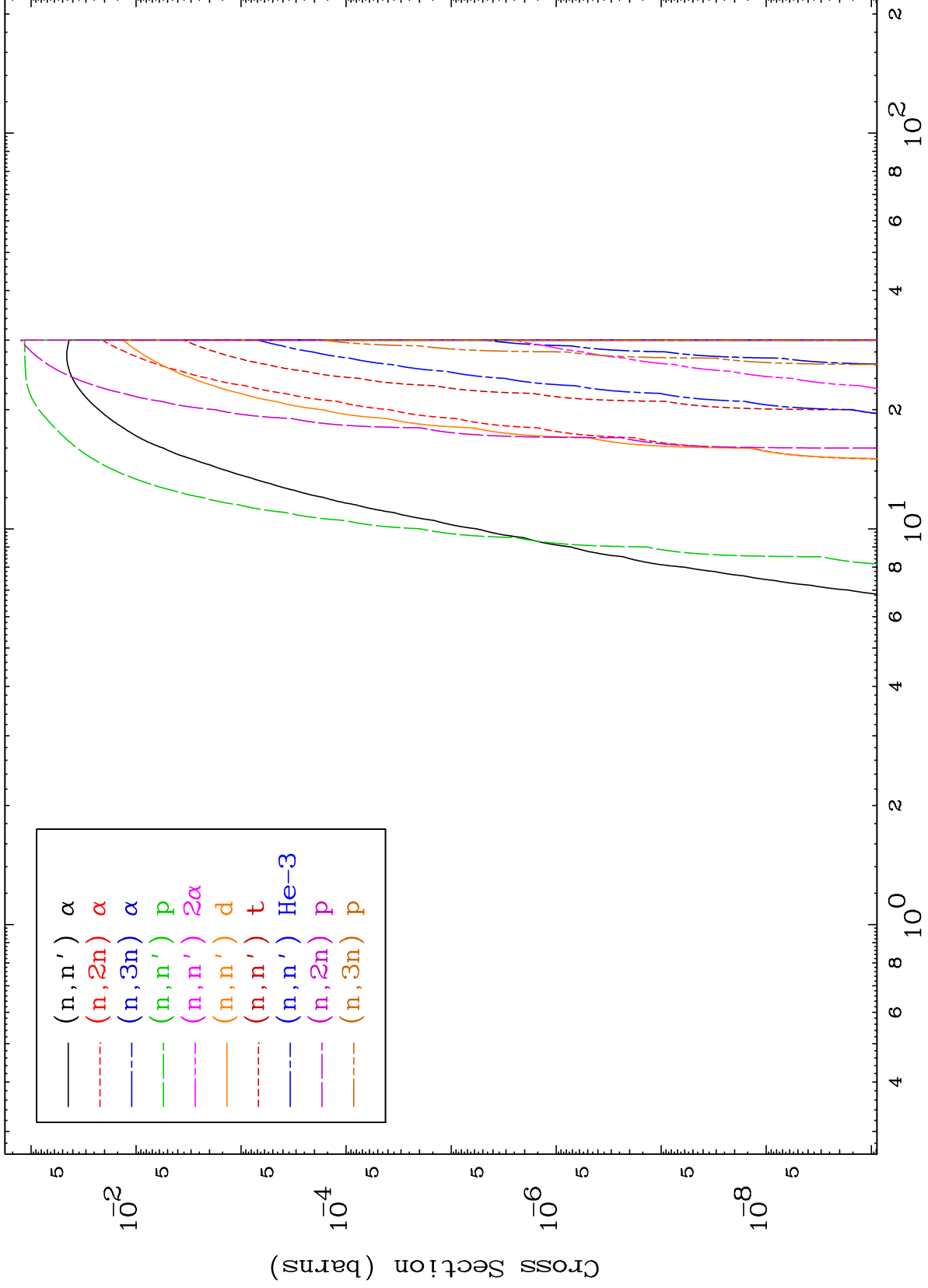




MAT 5623

Charged Particle
293 Kelvin Cross Sections

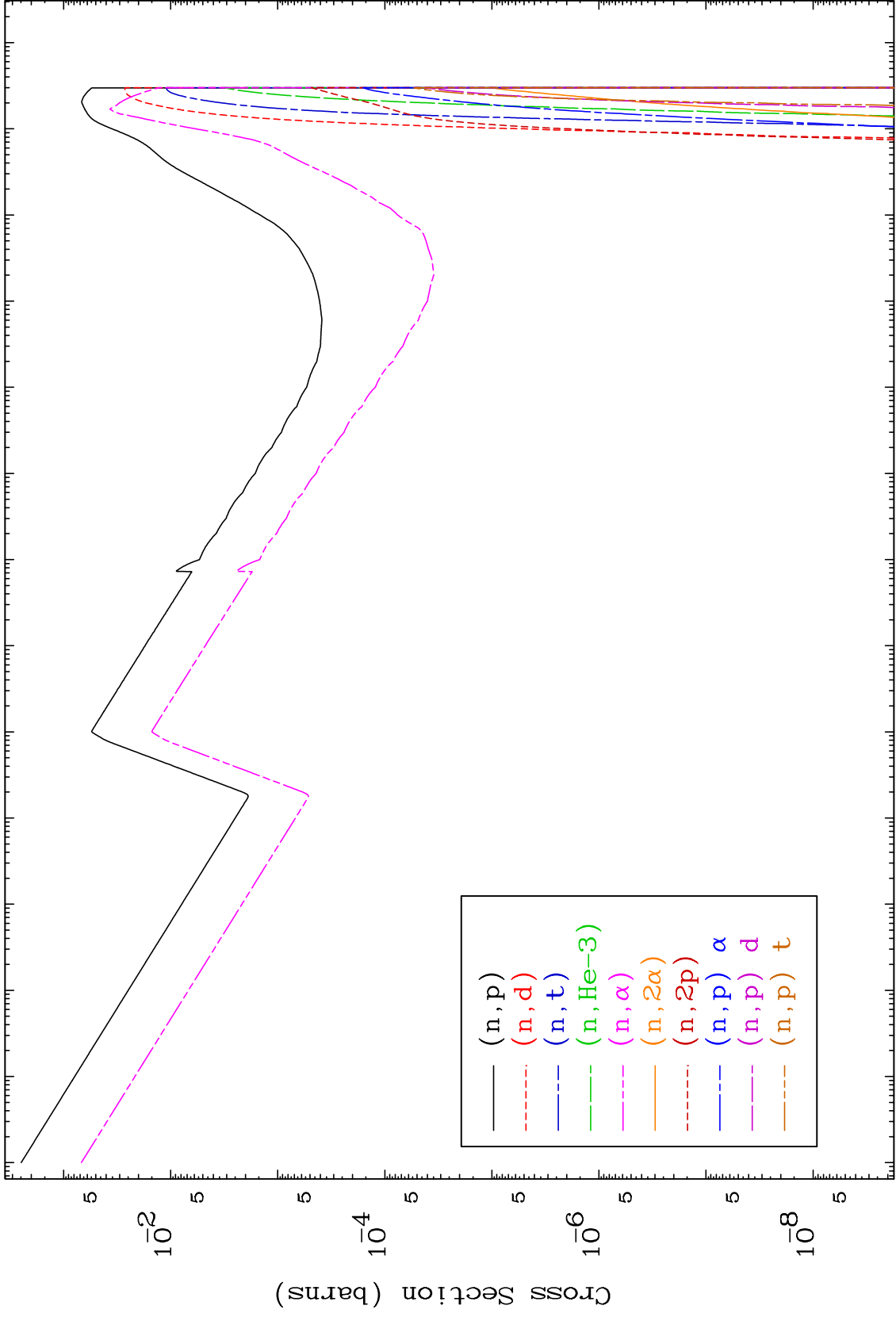
56-Ba-129



MAT 5623

Charged Particle
293 Kelvin Cross Sections

56-Ba-129



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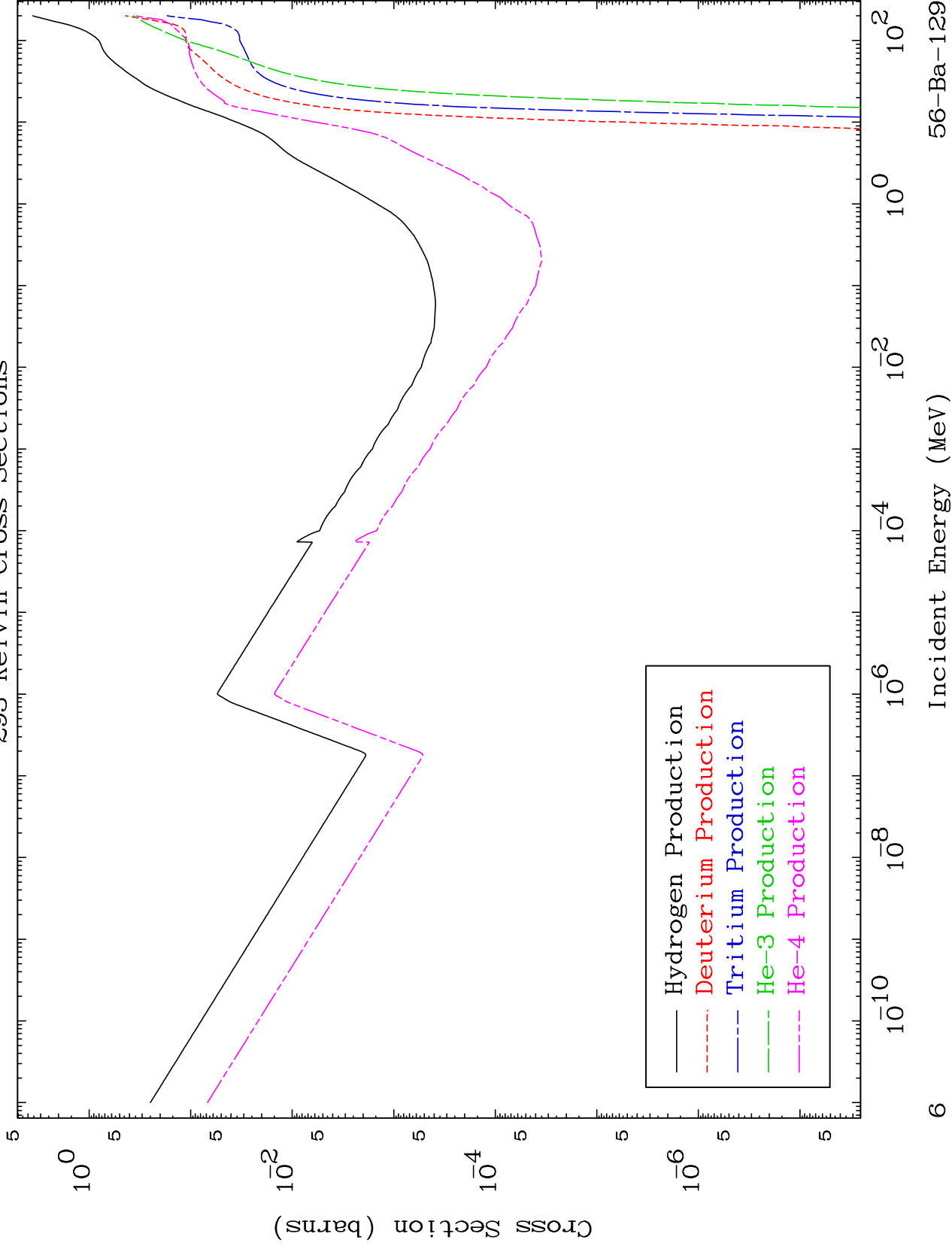
Incident Energy (MeV)

56-Ba-129

MAT 5623

Particle Production
293 Kelvin Cross Sections

56-Ba-129

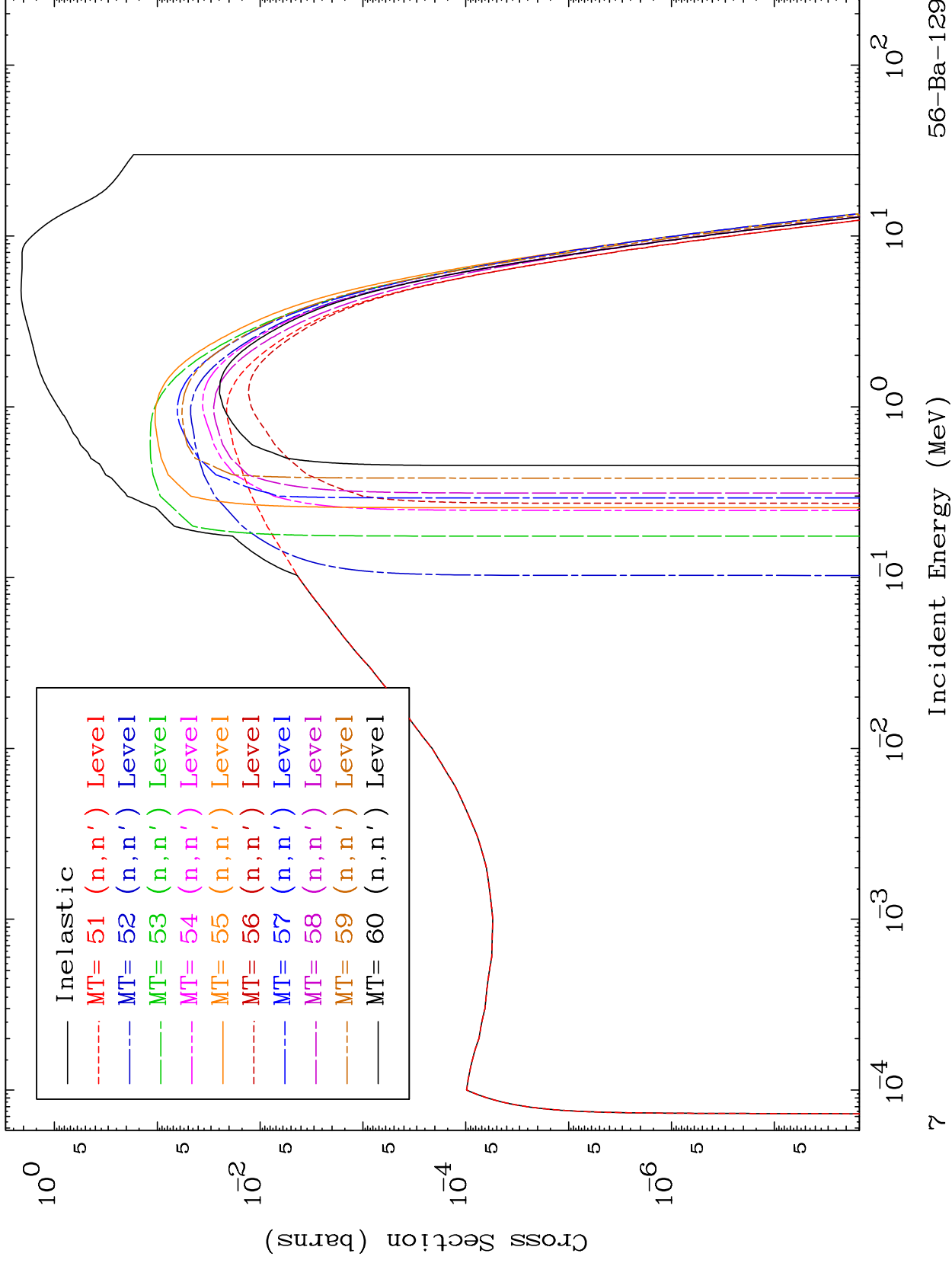


MAT 5623

(n,n') Level

56-Ba-129

293 Kelvin Cross Sections

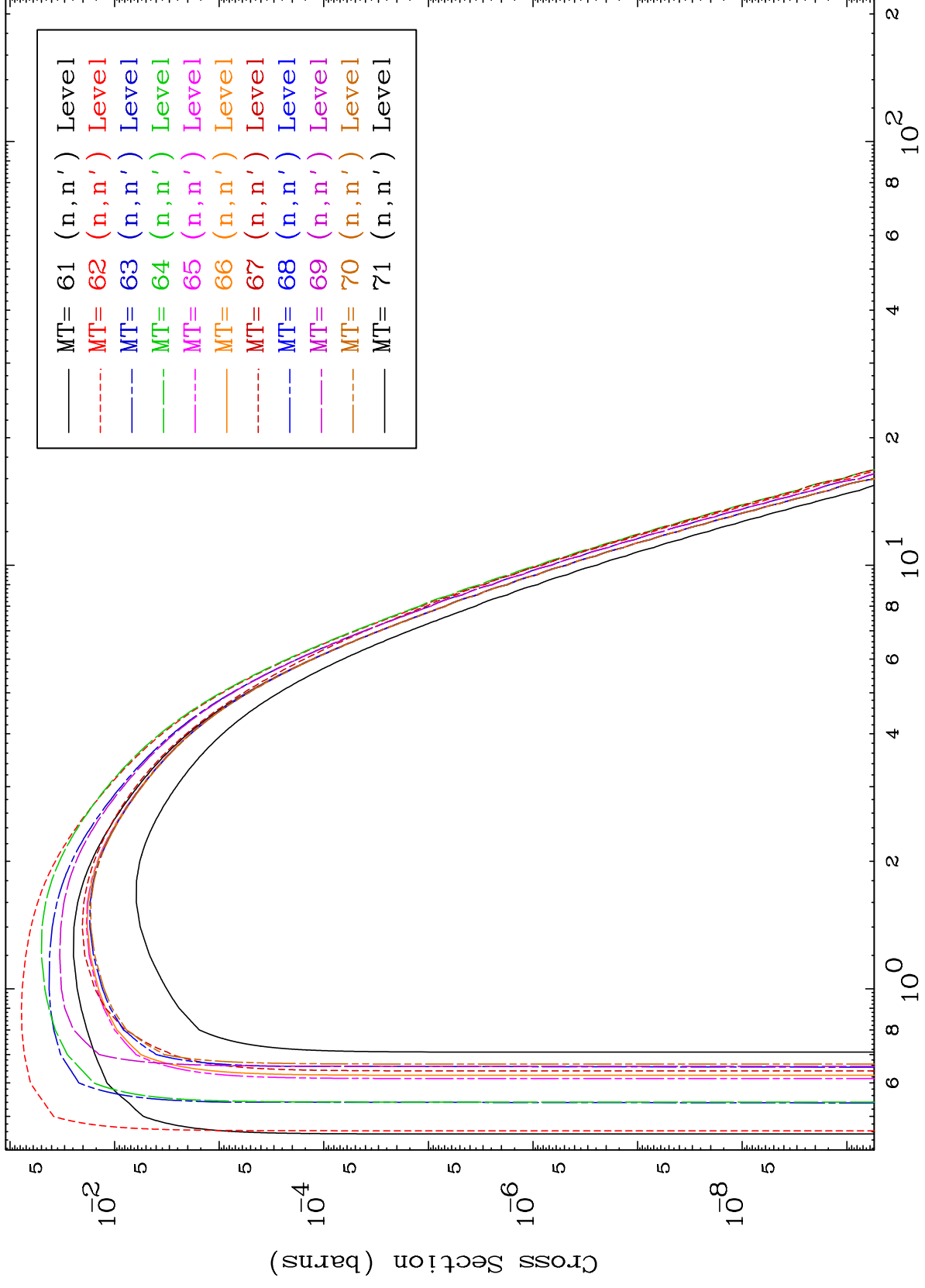


MAT 5623

(n,n') Level

56-Ba-129

293 Kelvin Cross Sections



Incident Energy (MeV)

56-Ba-129

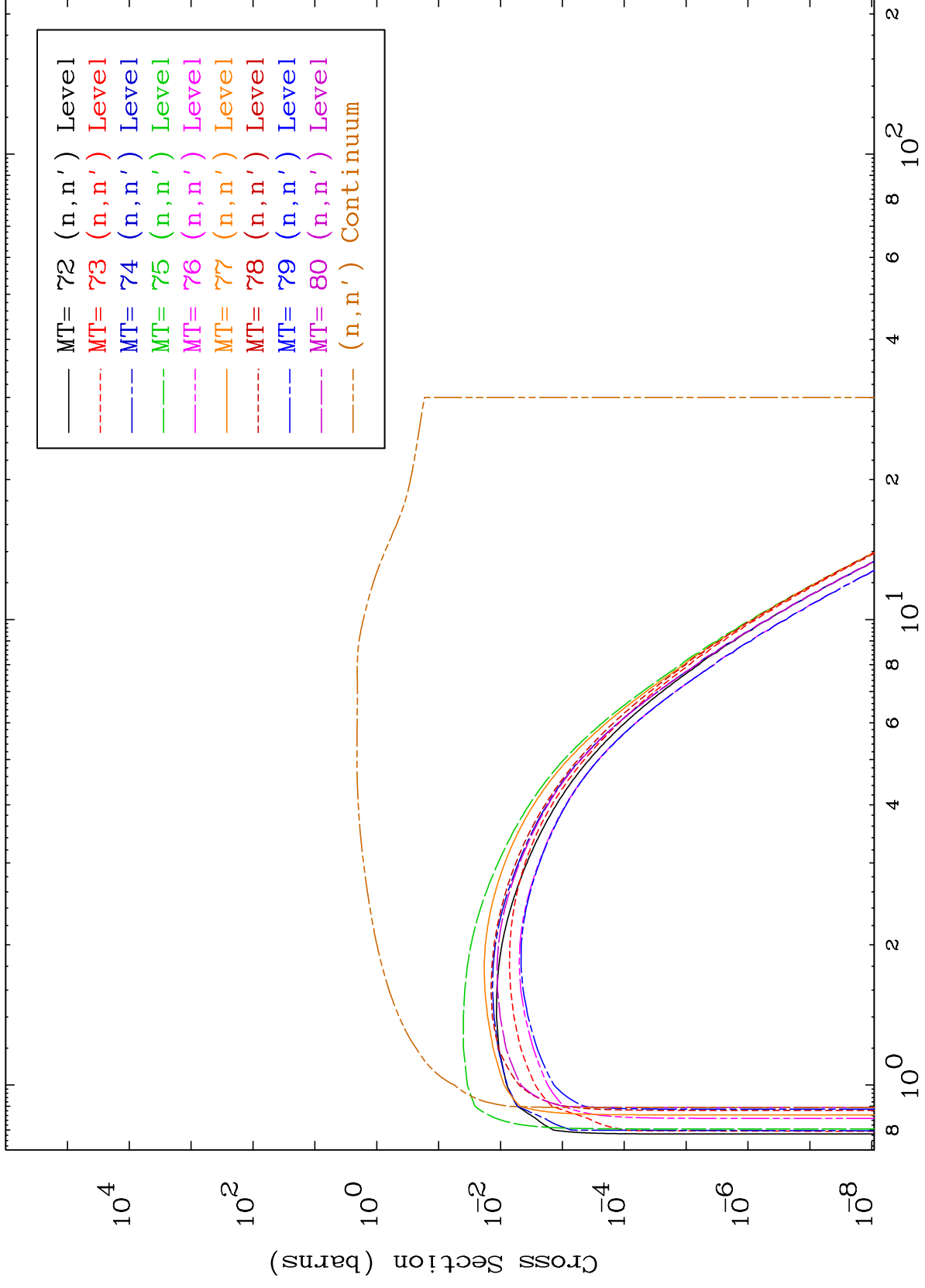
8

MAT 5623

(n,n') Level

56-Ba-129

293 Kelvin Cross Sections



9

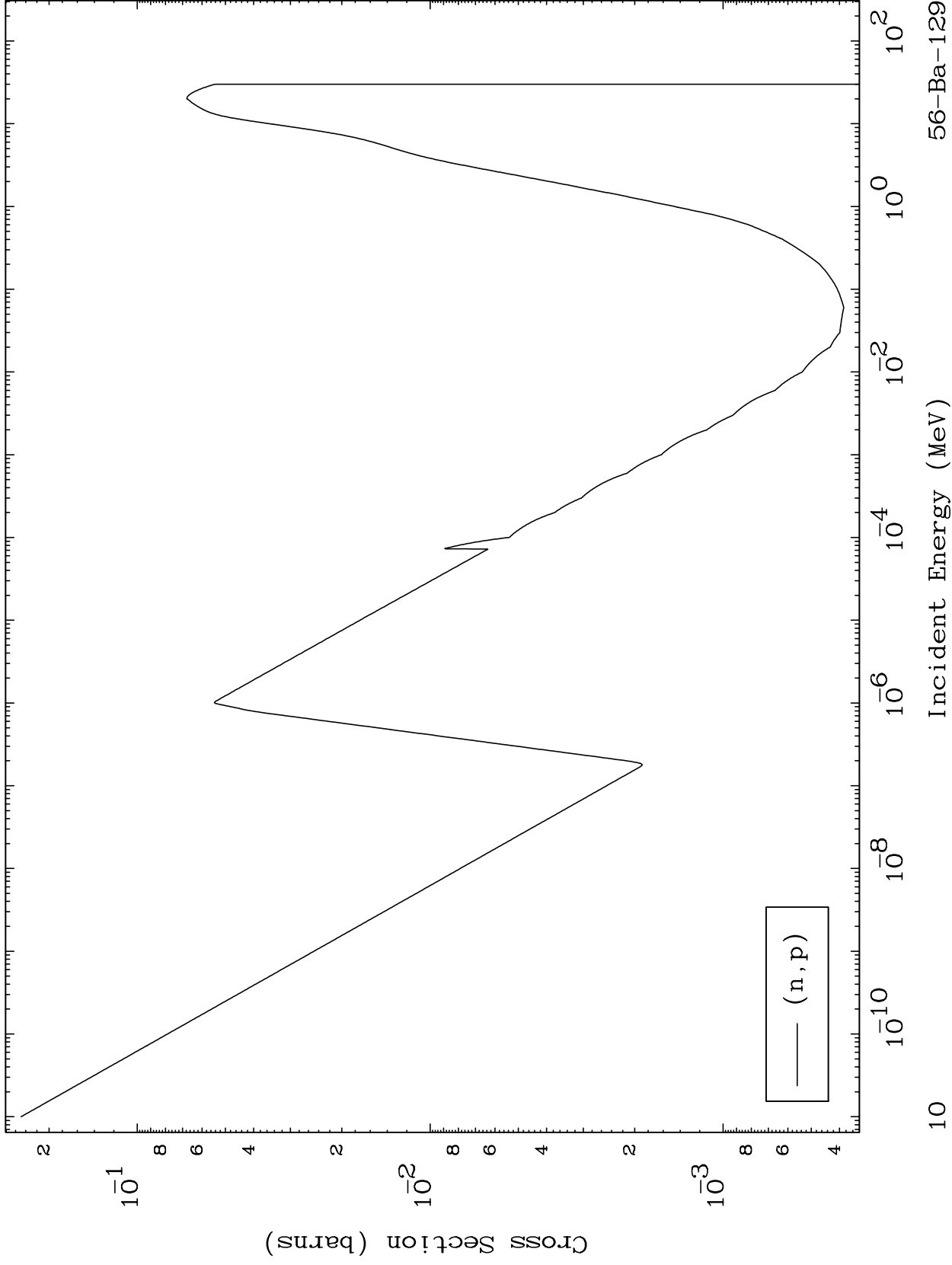
Incident Energy (MeV)

56-Ba-129

MAT 5623

(n,p) Levels
293 Kelvin Cross Sections

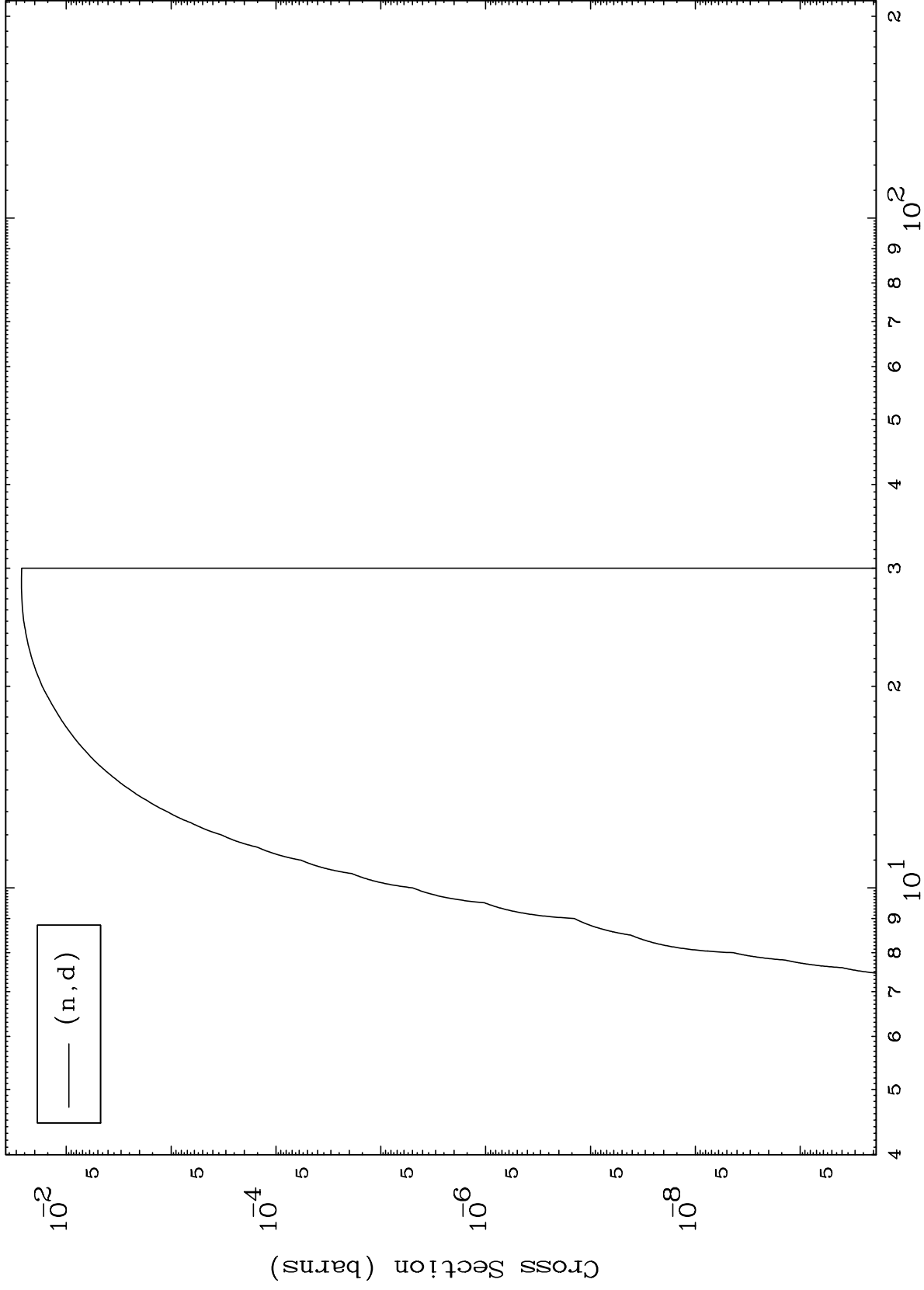
56-Ba-129



MAT 5623

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-129



11

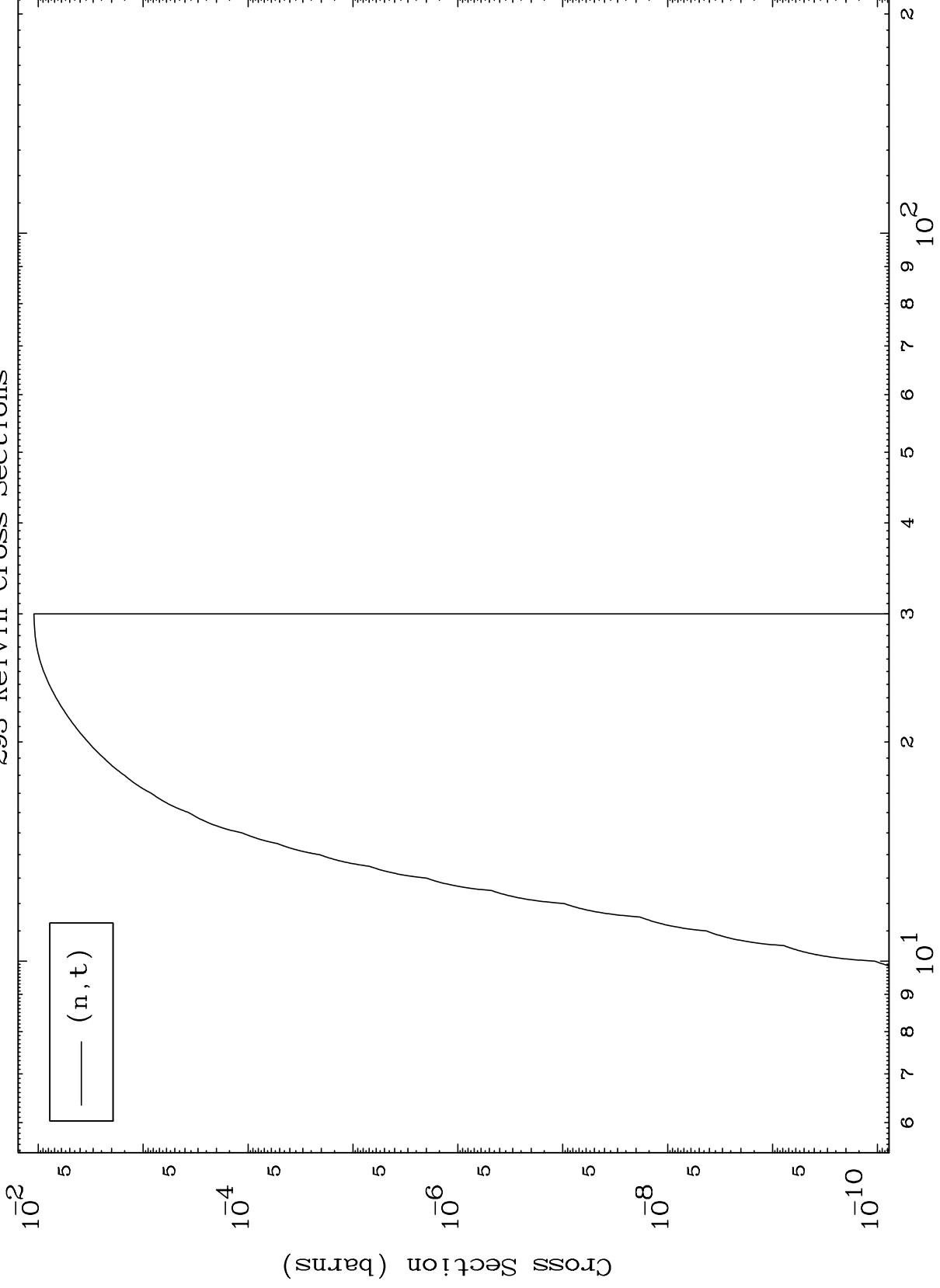
Incident Energy (MeV)

56-Ba-129

MAT 5623

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-129



12

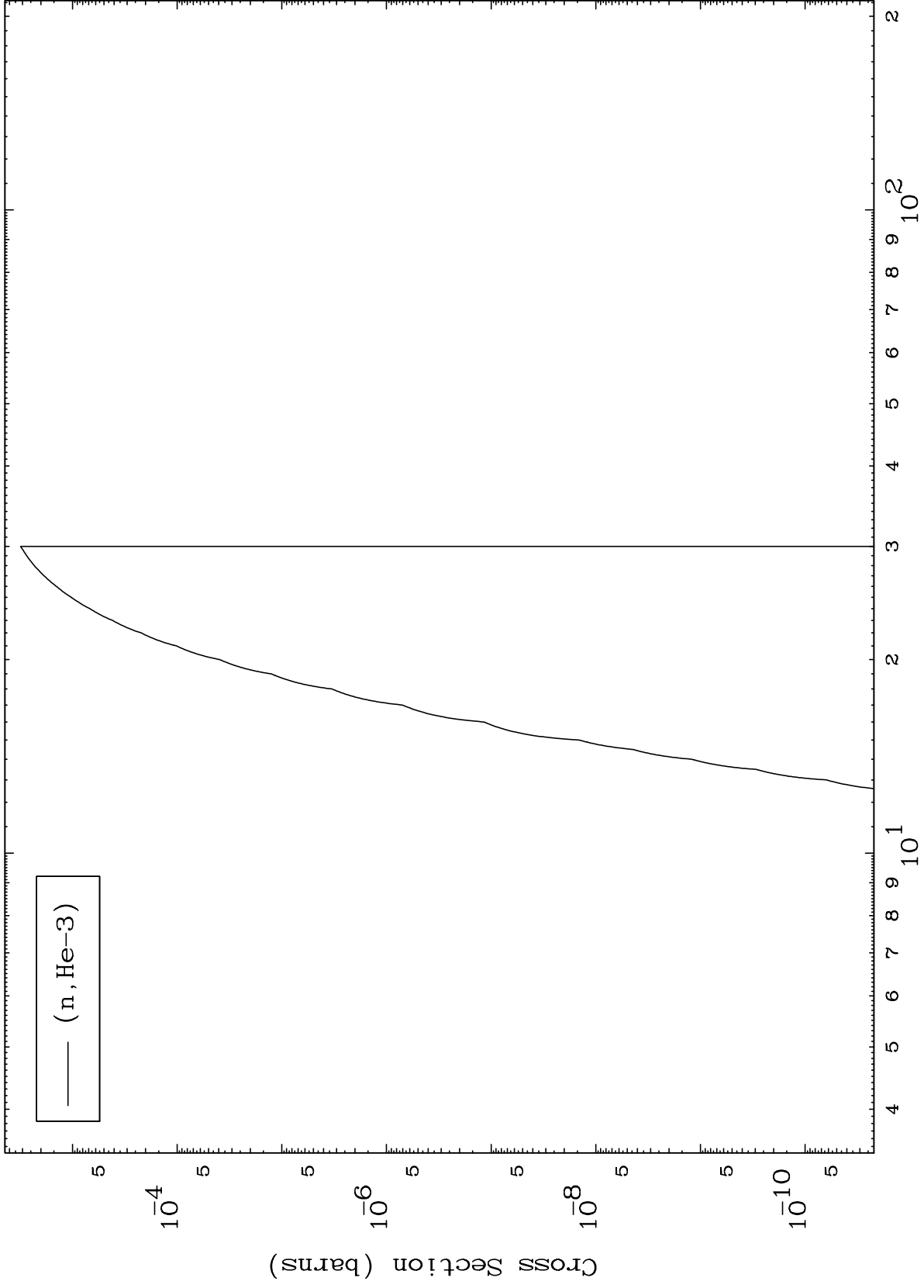
Incident Energy (MeV)

56-Ba-129

MAT 5623

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-129



13

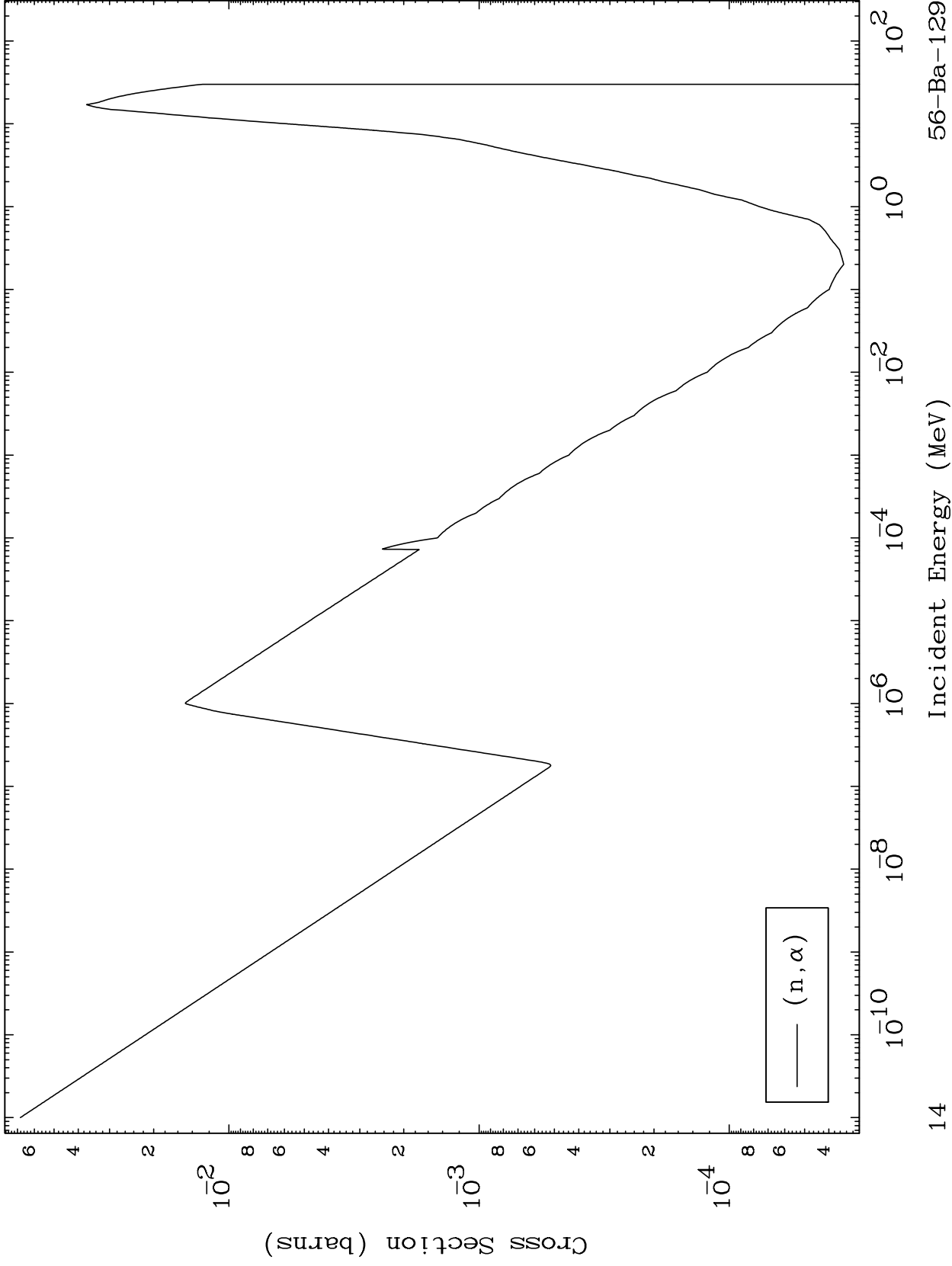
Incident Energy (MeV)

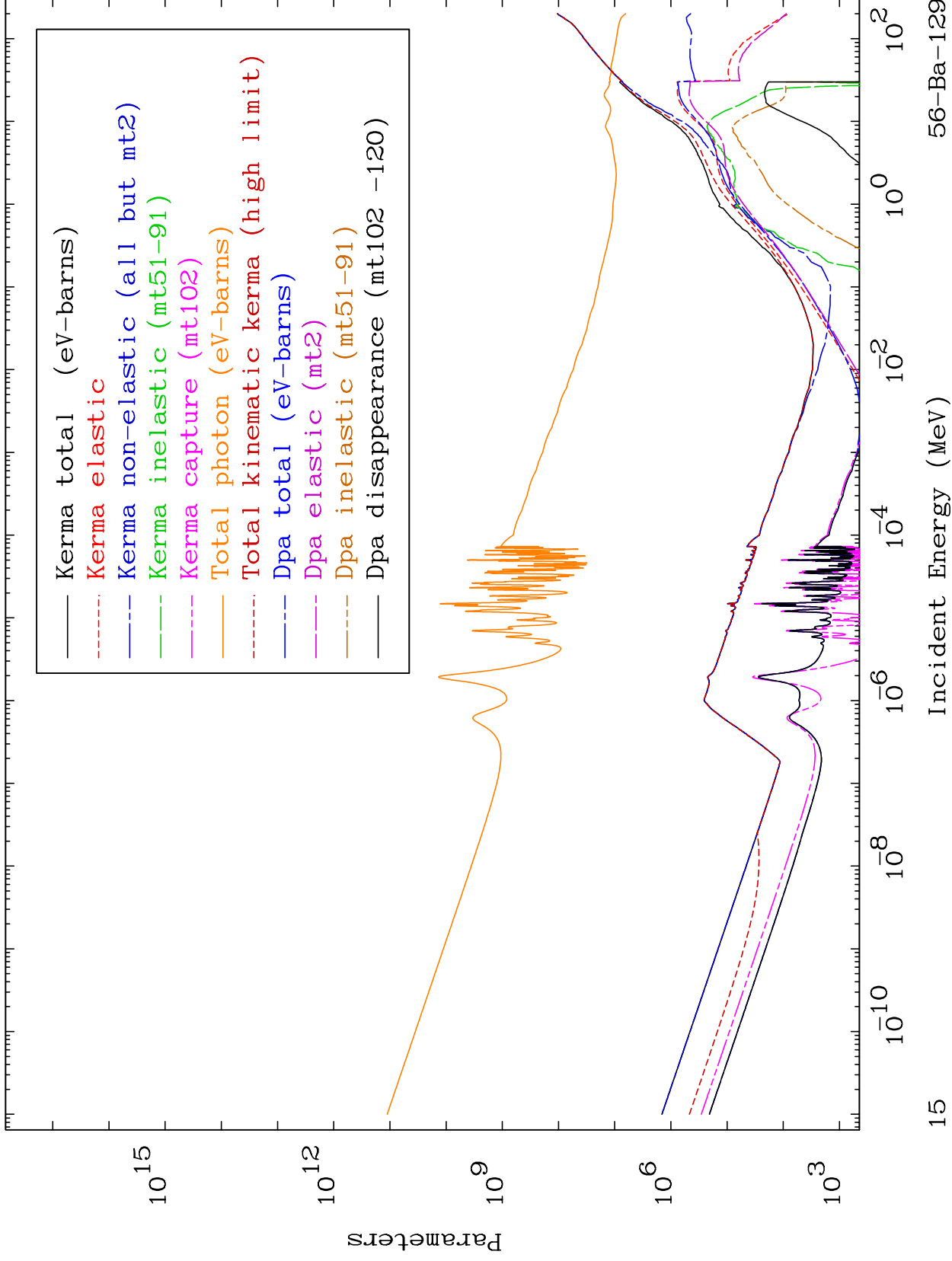
56-Ba-129

MAT 5623

(n,α) Levels
293 Kelvin Cross Sections

56-Ba-129

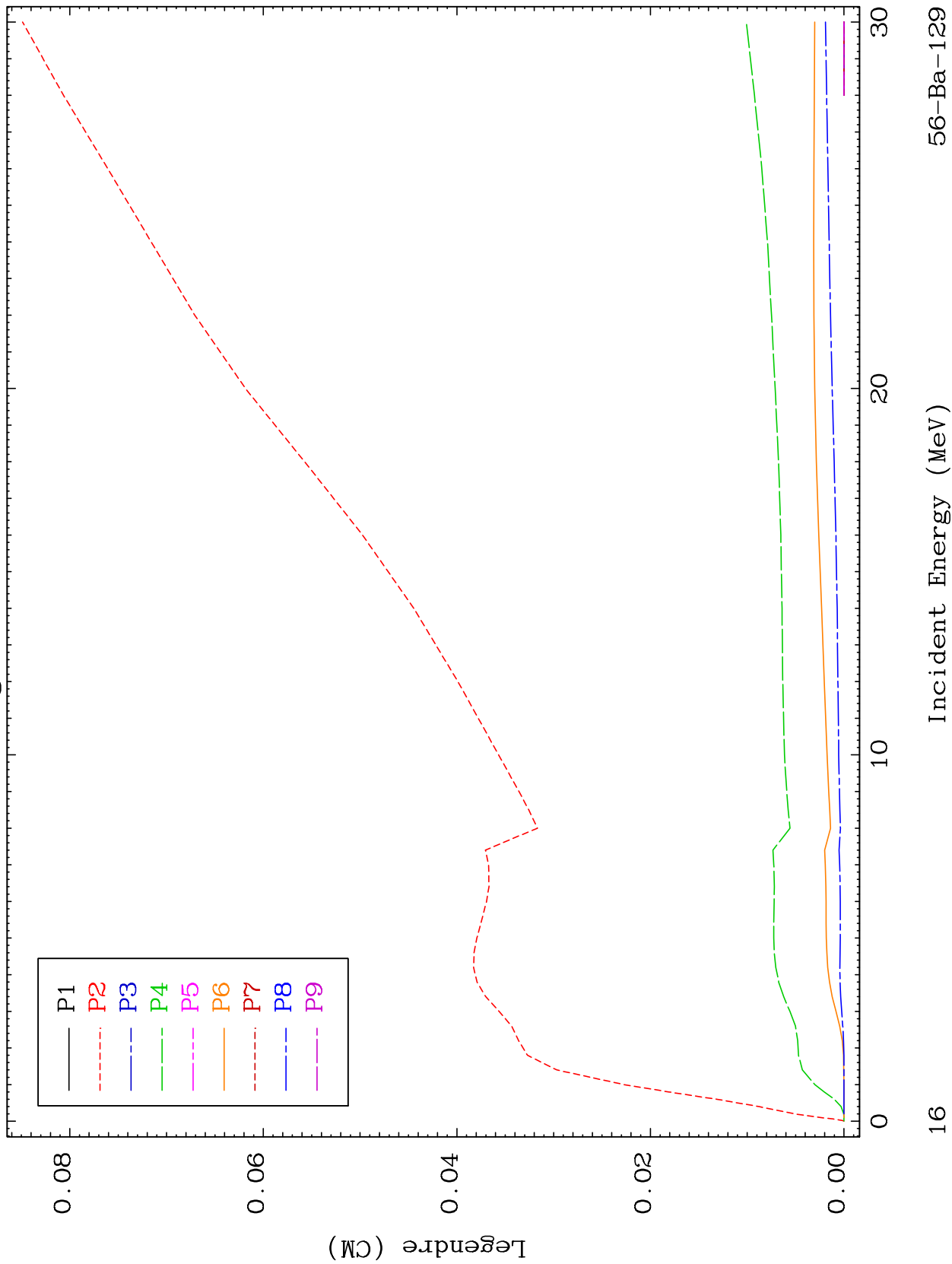




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Elastic Legendre Coefficients

56-Ba-129



56-Ba-129

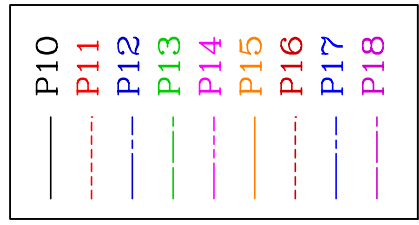
Incident Energy (MeV)

16

MAT 5623

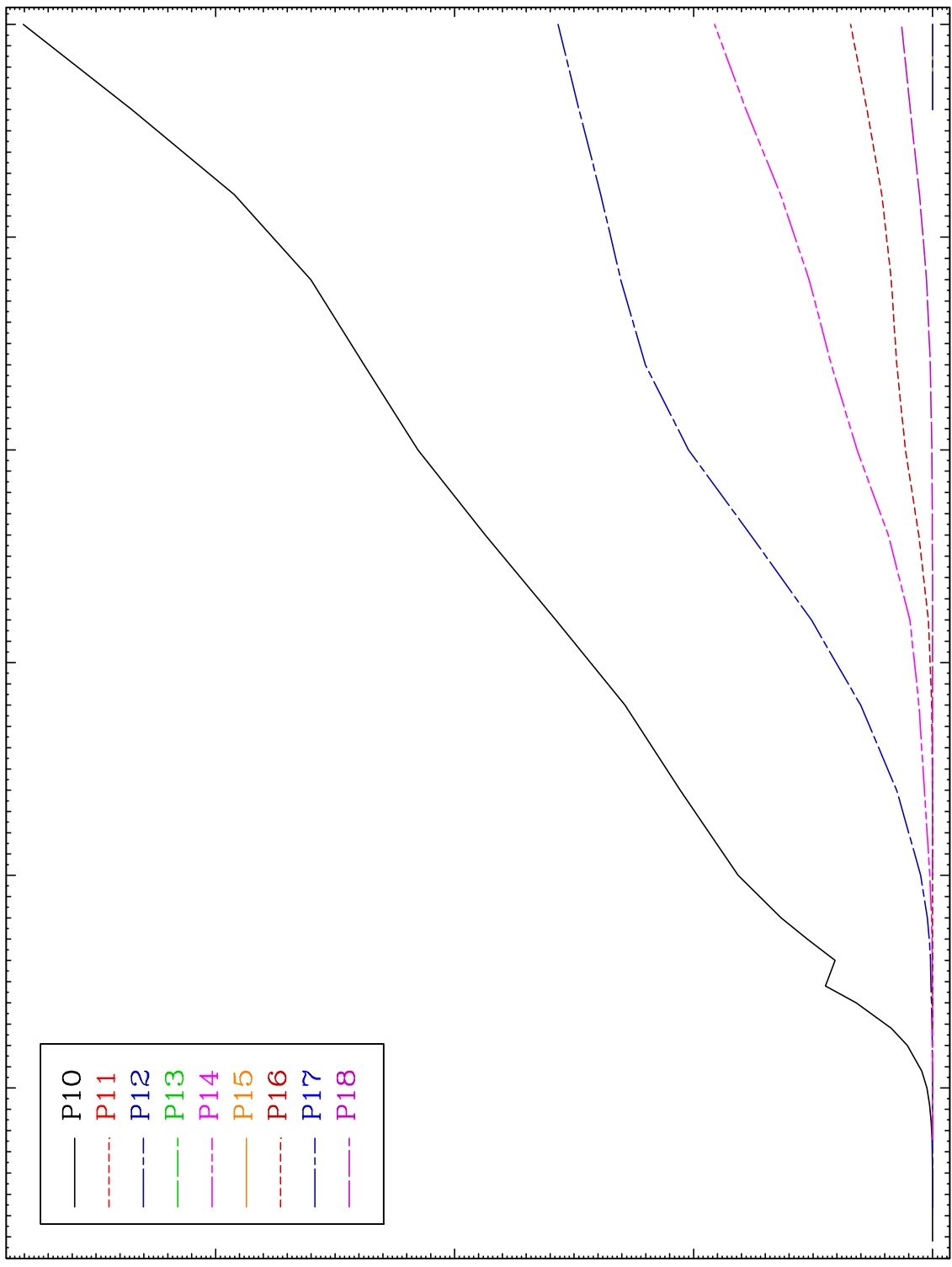
Elastic Legendre Coefficients

56-Ba-129



$\times 10^{-4}$

Legendre (CM)



17

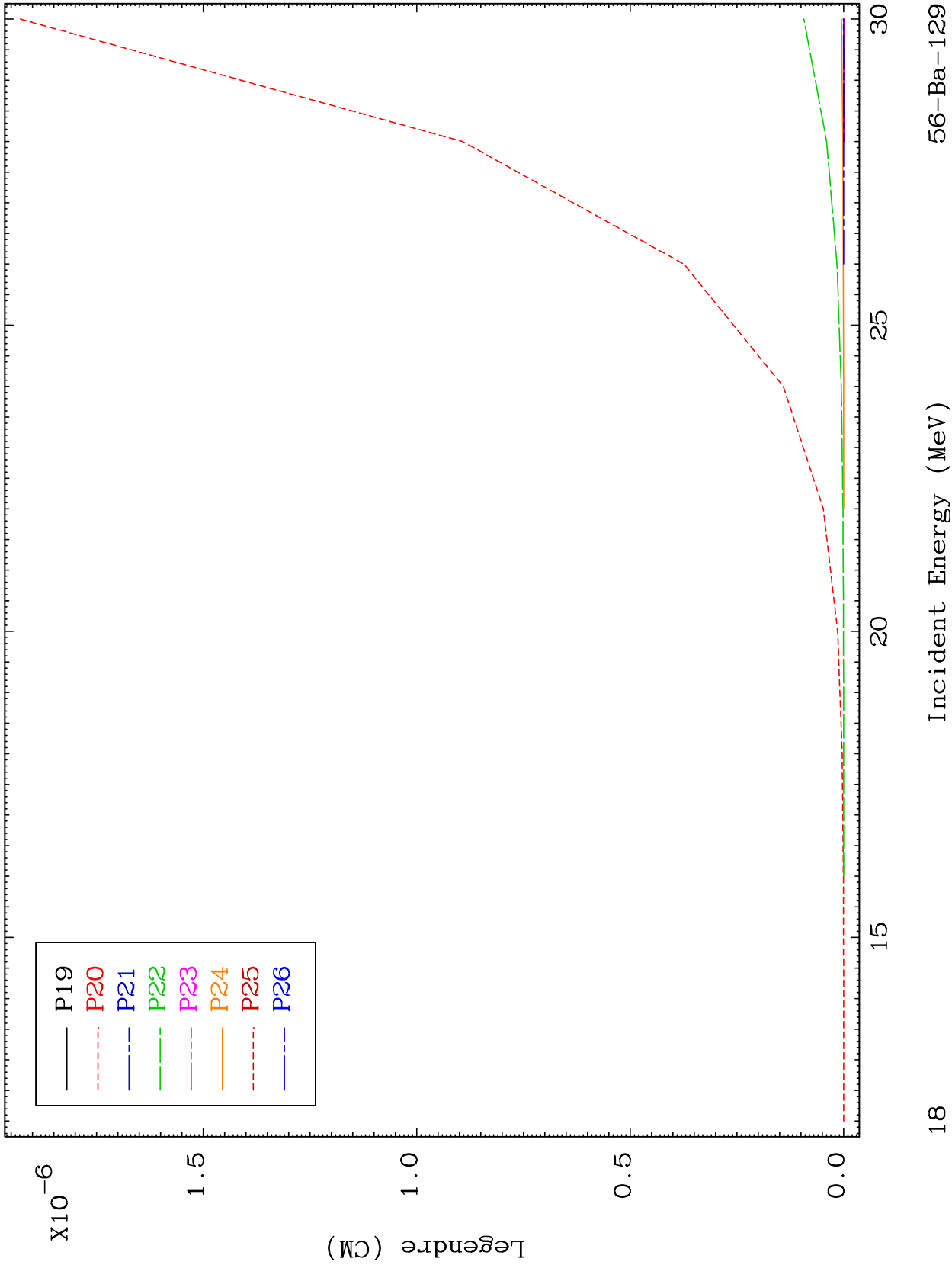
Incident Energy (MeV)

56-Ba-129

MAT 5623

Elastic Legendre Coefficients

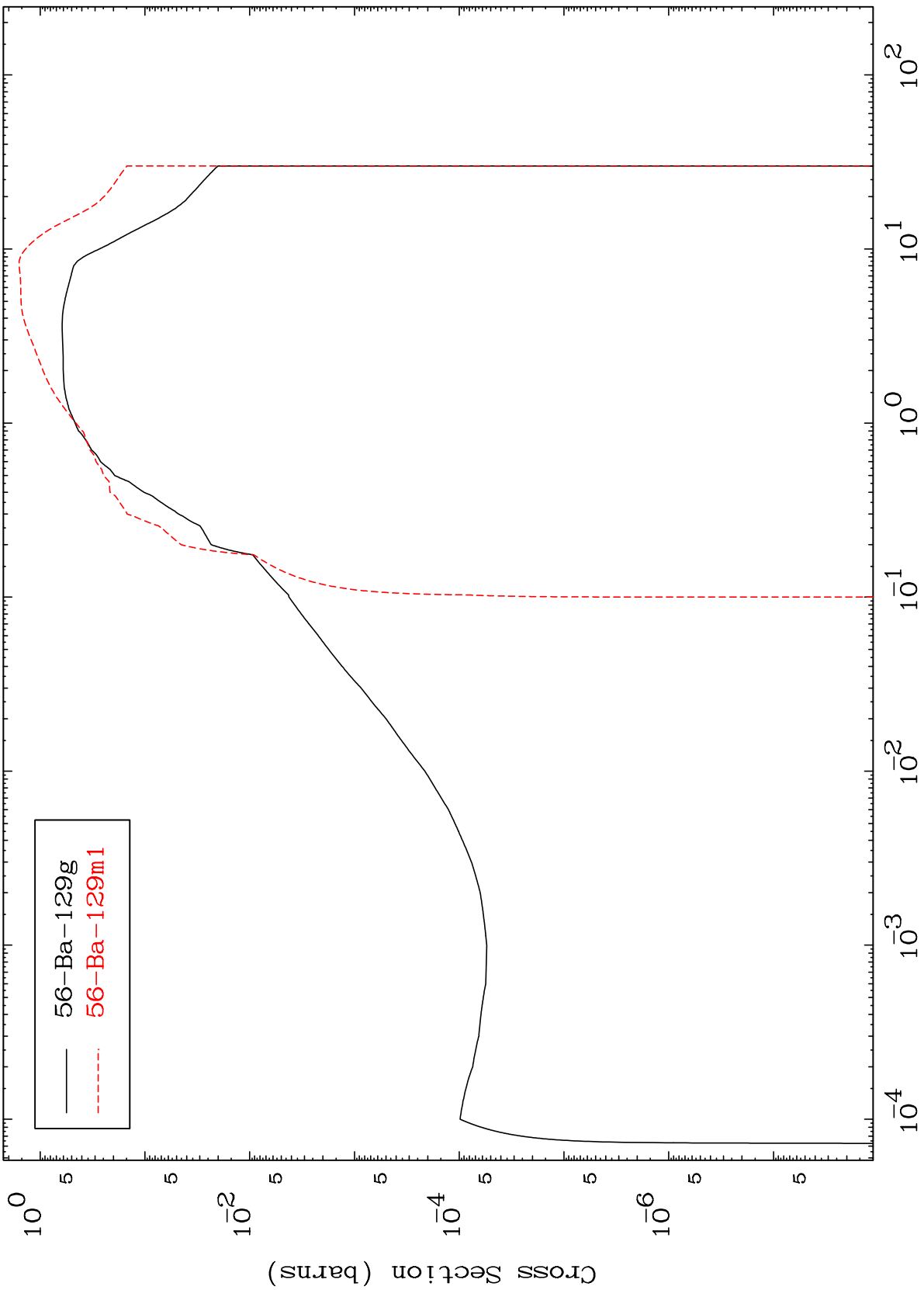
56-Ba-129



MAT 5623

56-Ba-129

Inelastic
Radionuclide Production Cross Section



56-Ba-129g
56-Ba-129m1

56-Ba-129

Incident Energy (MeV)

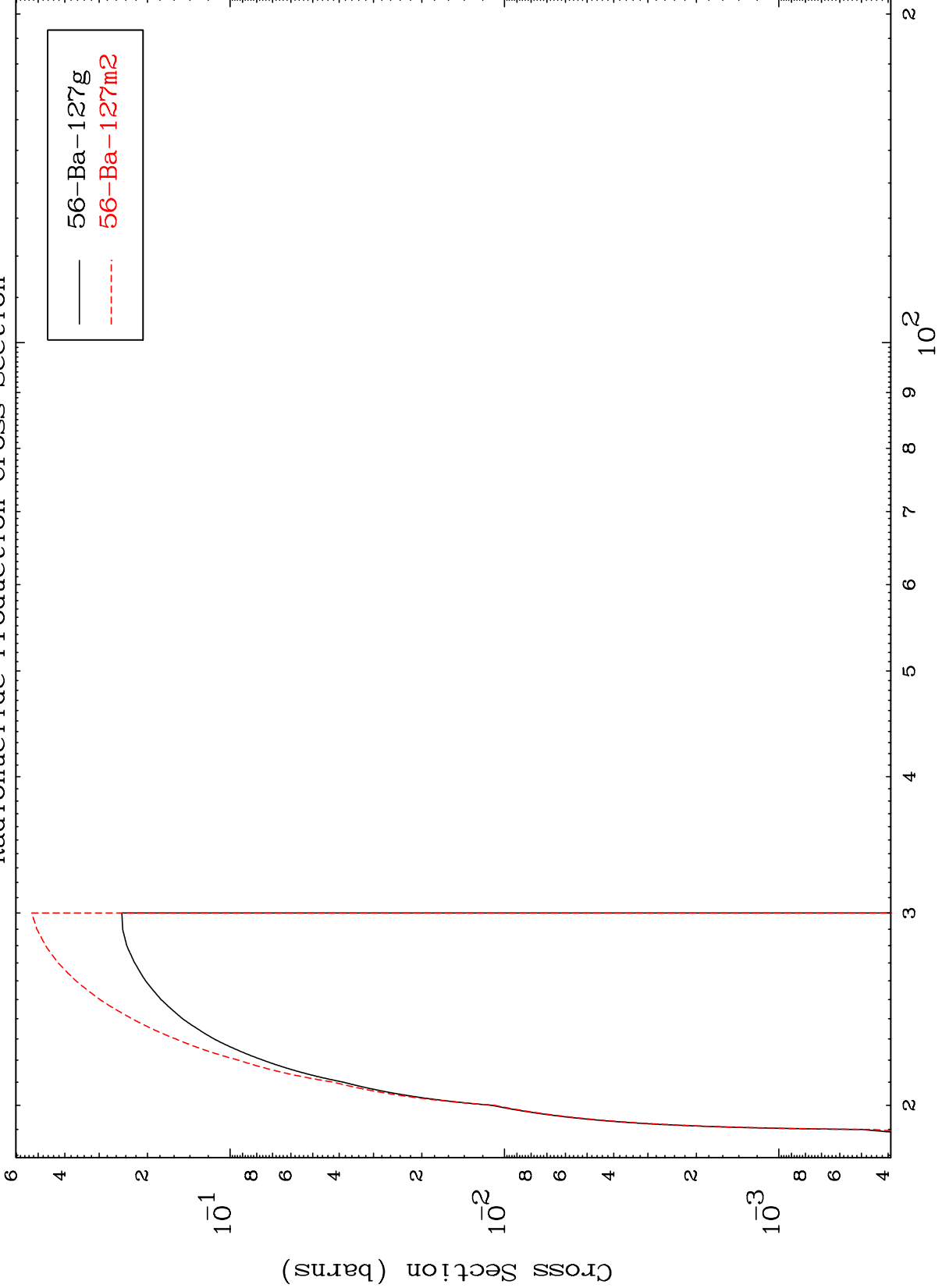
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(n,3n)

56-Ba-129

Radionuclide Production Cross Section



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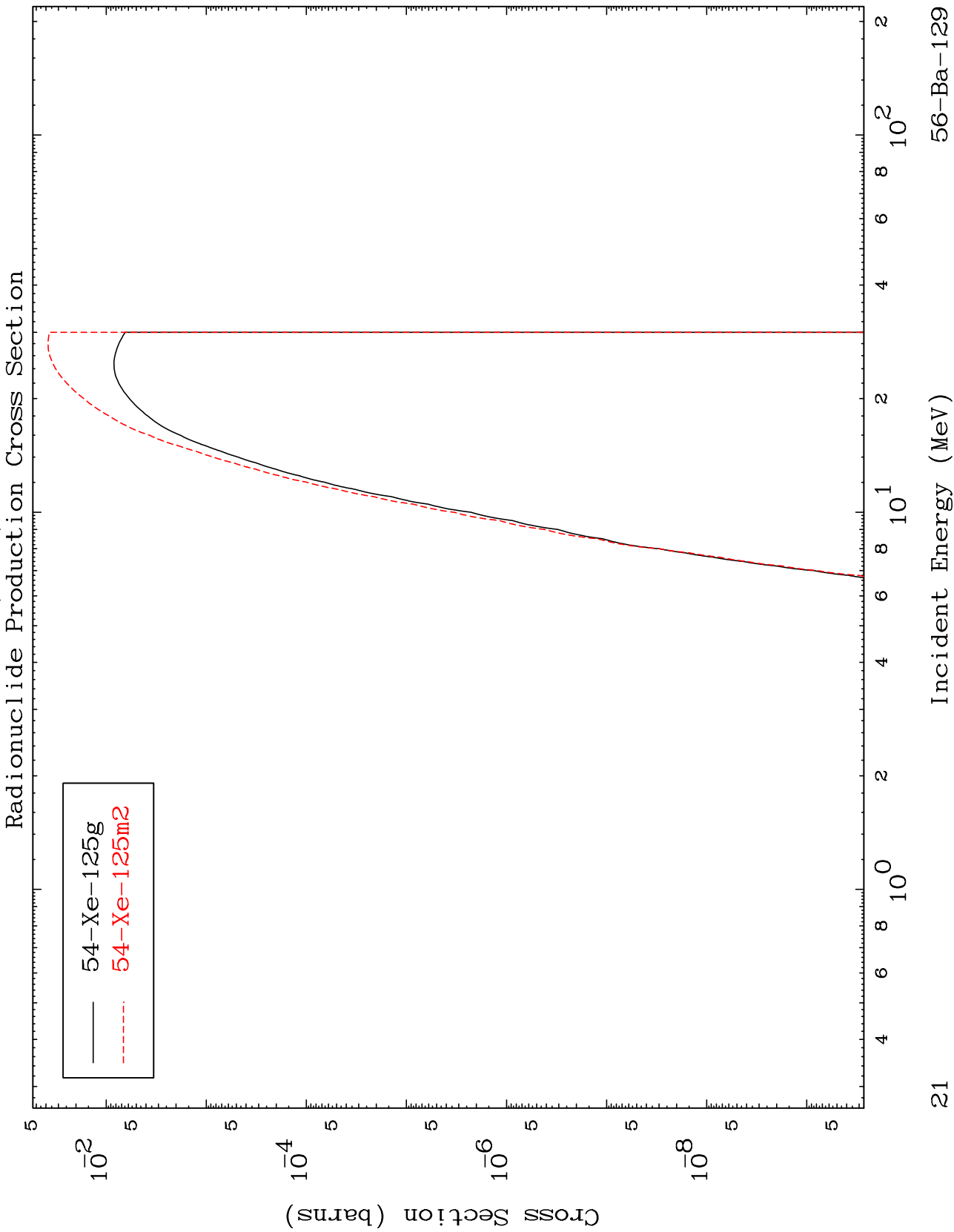
Incident Energy (MeV)

56-Ba-129

MAT 5623

(n,n') α

56-Ba-129

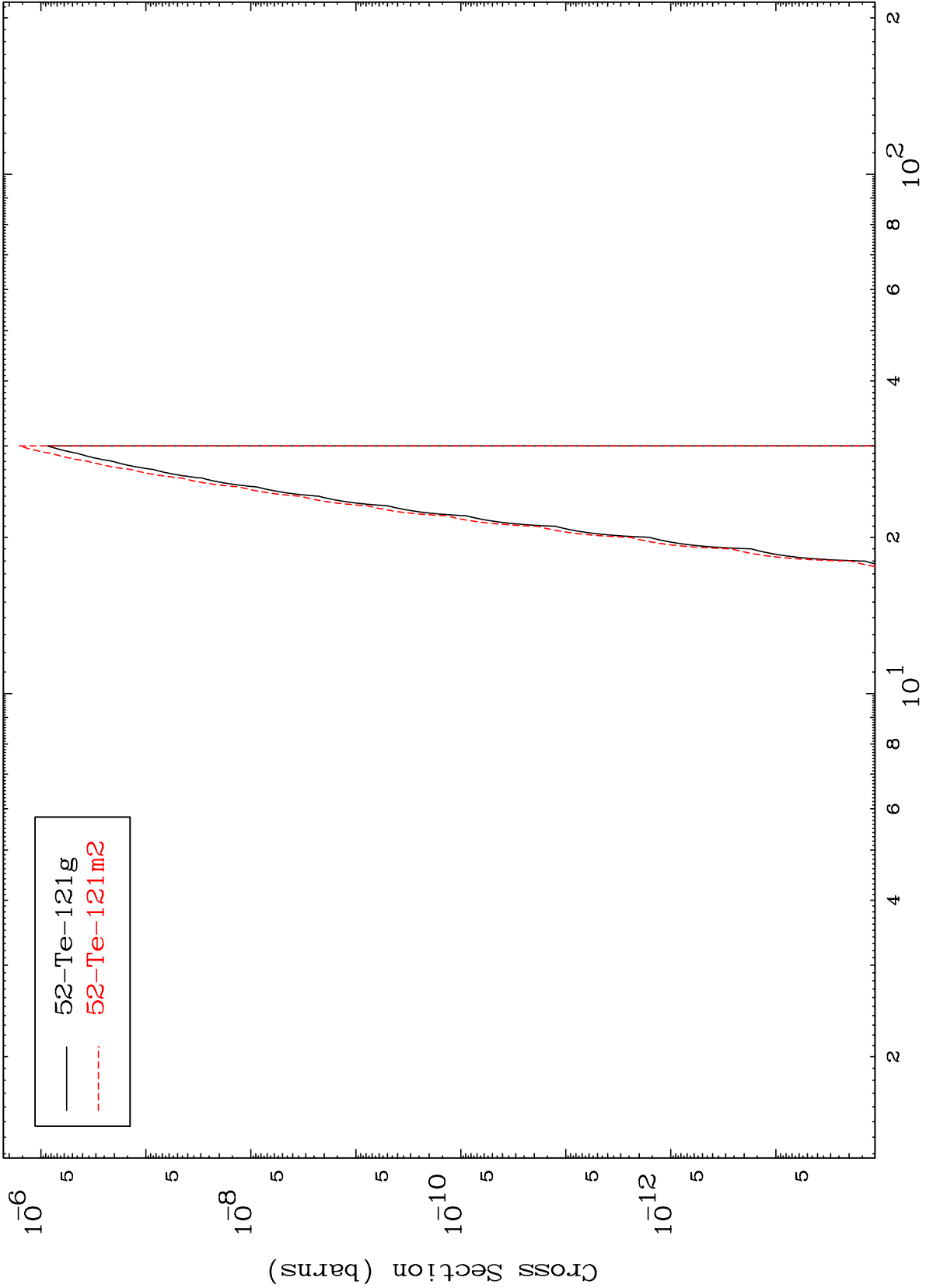


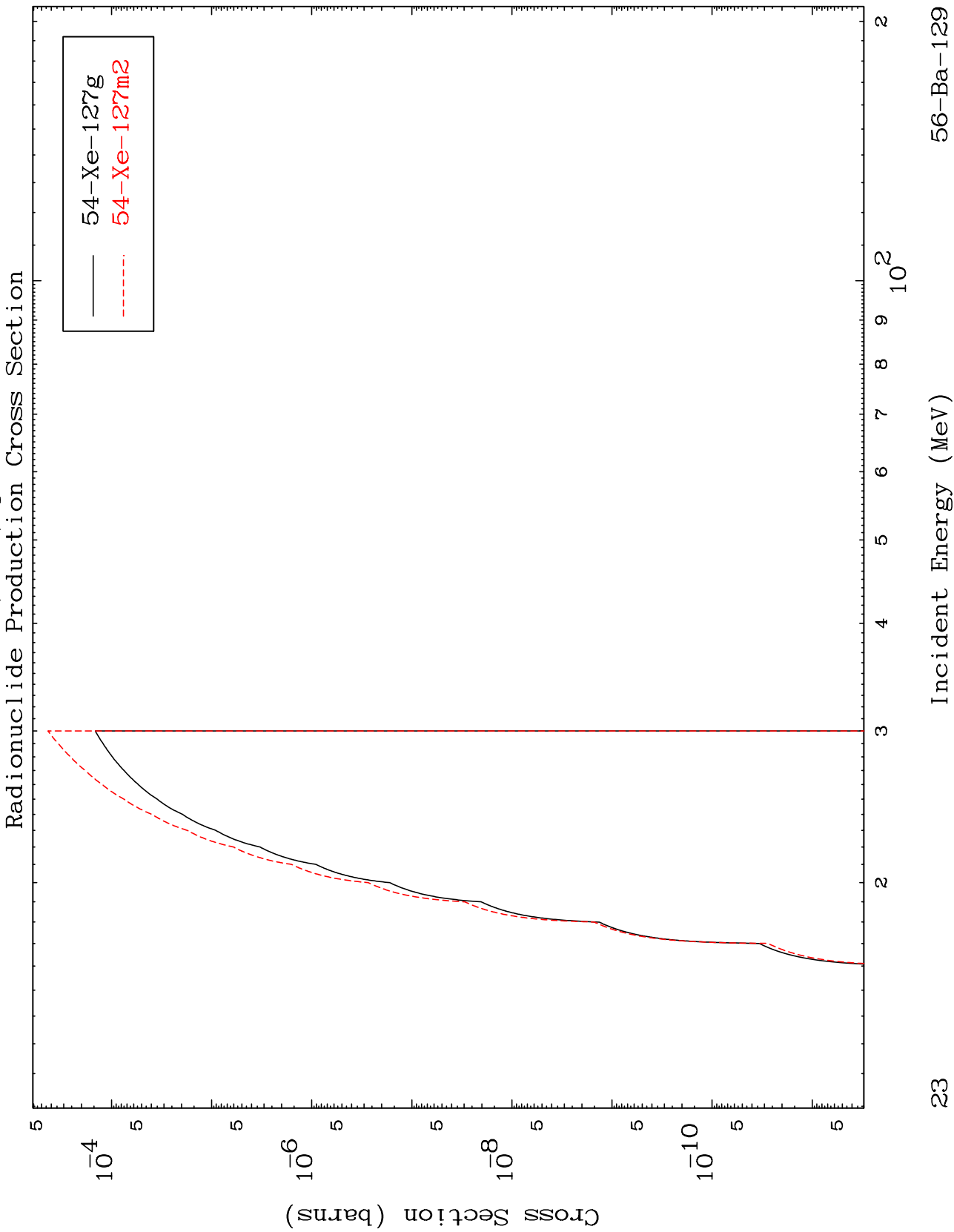
MAT 5623

(n,n') 2α

56-Ba-129

Radionuclide Production Cross Section

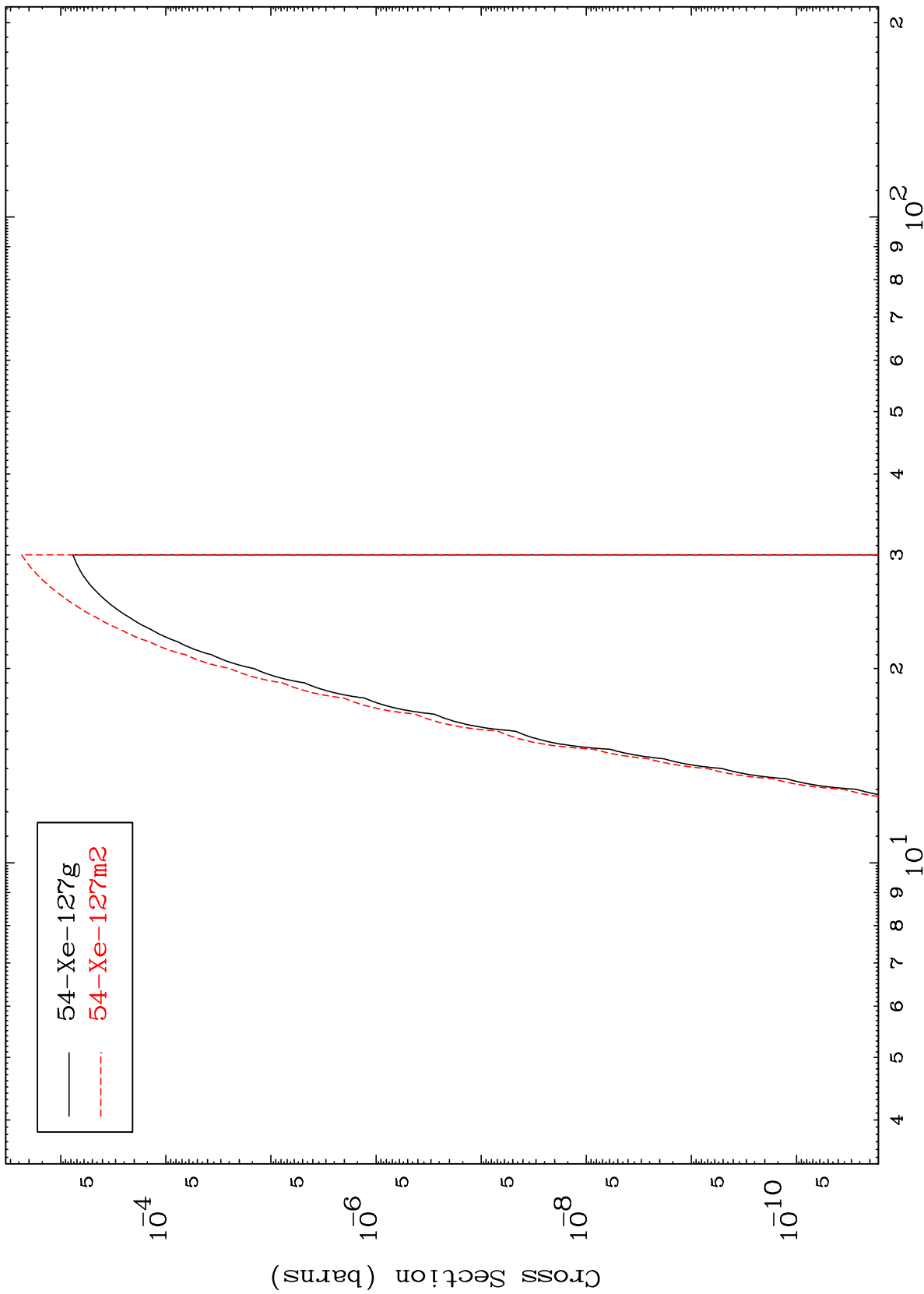




MAT 5623

56-Ba-129

(n,He-3)
Radionuclide Production Cross Section



56-Ba-129

Incident Energy (MeV)

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Radionuclide Production Cross Section

