

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

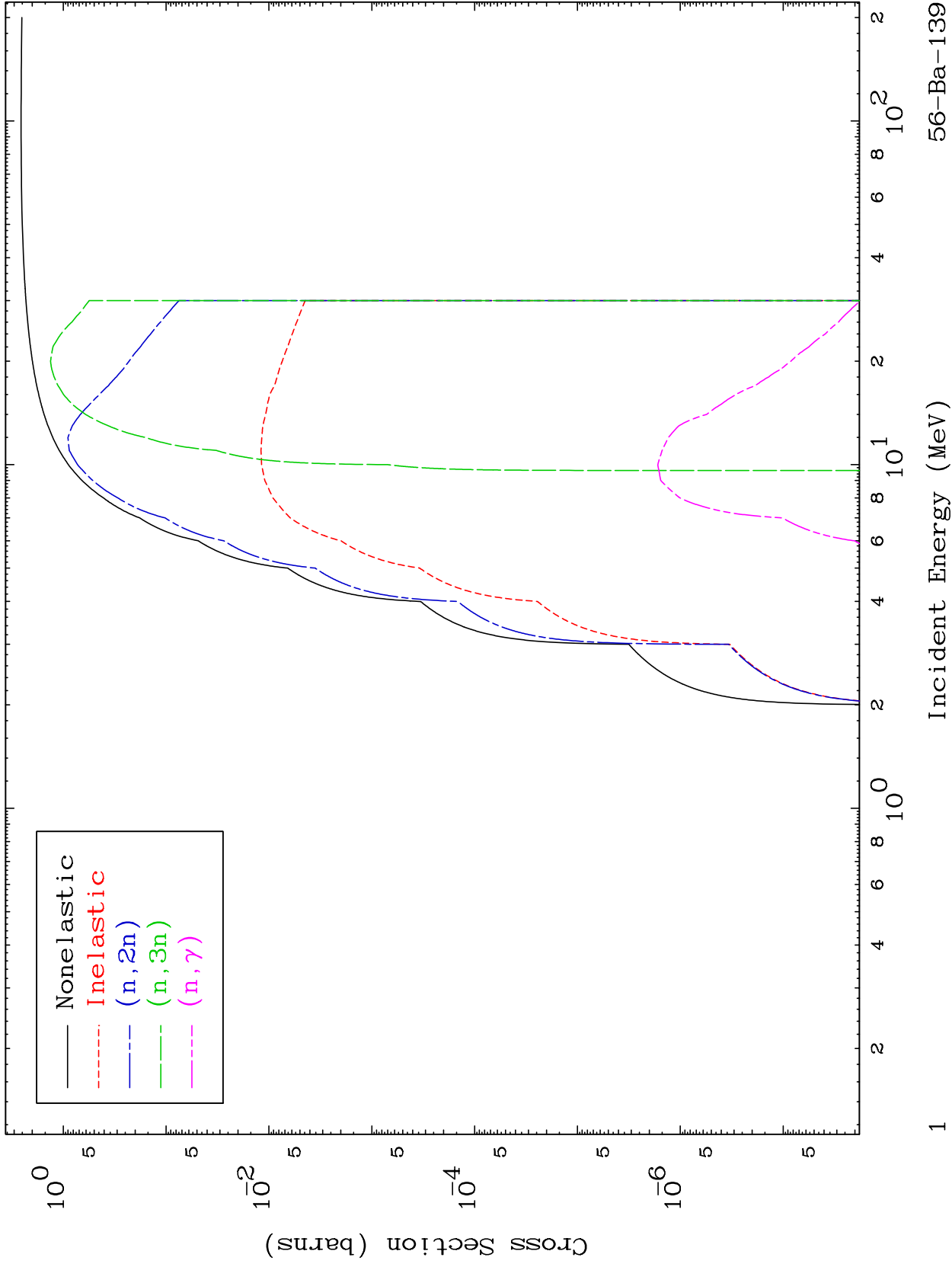
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

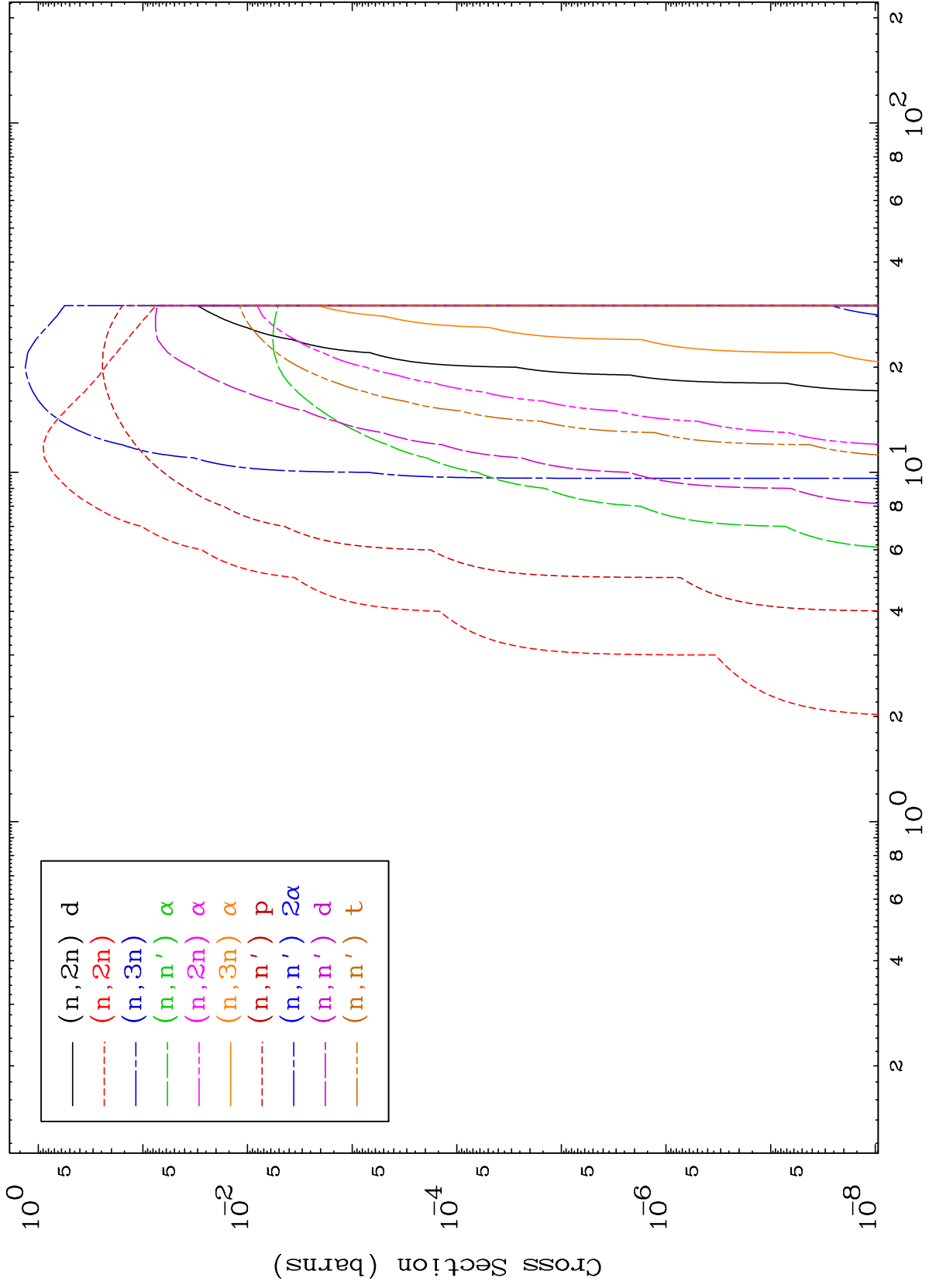
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

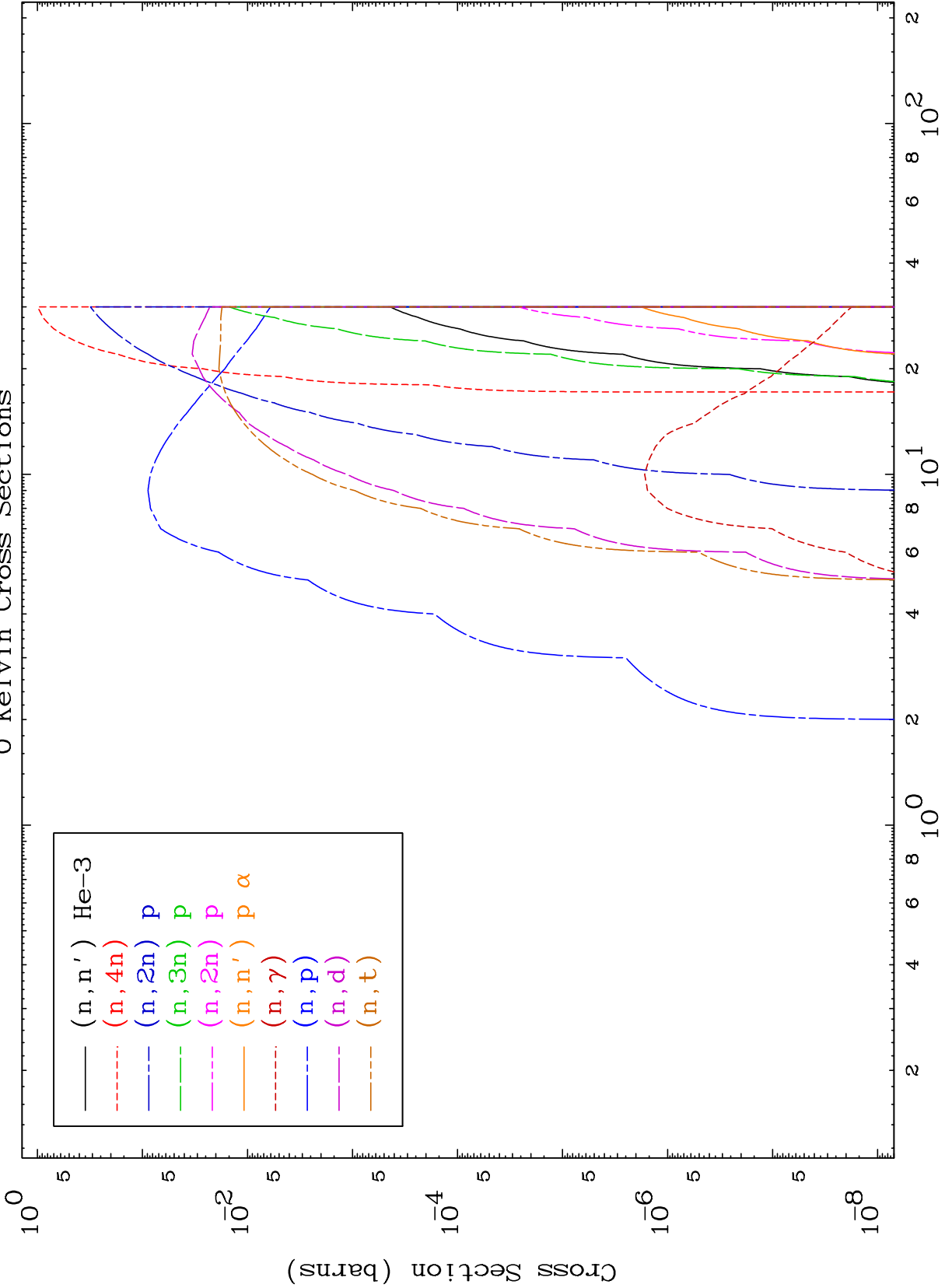


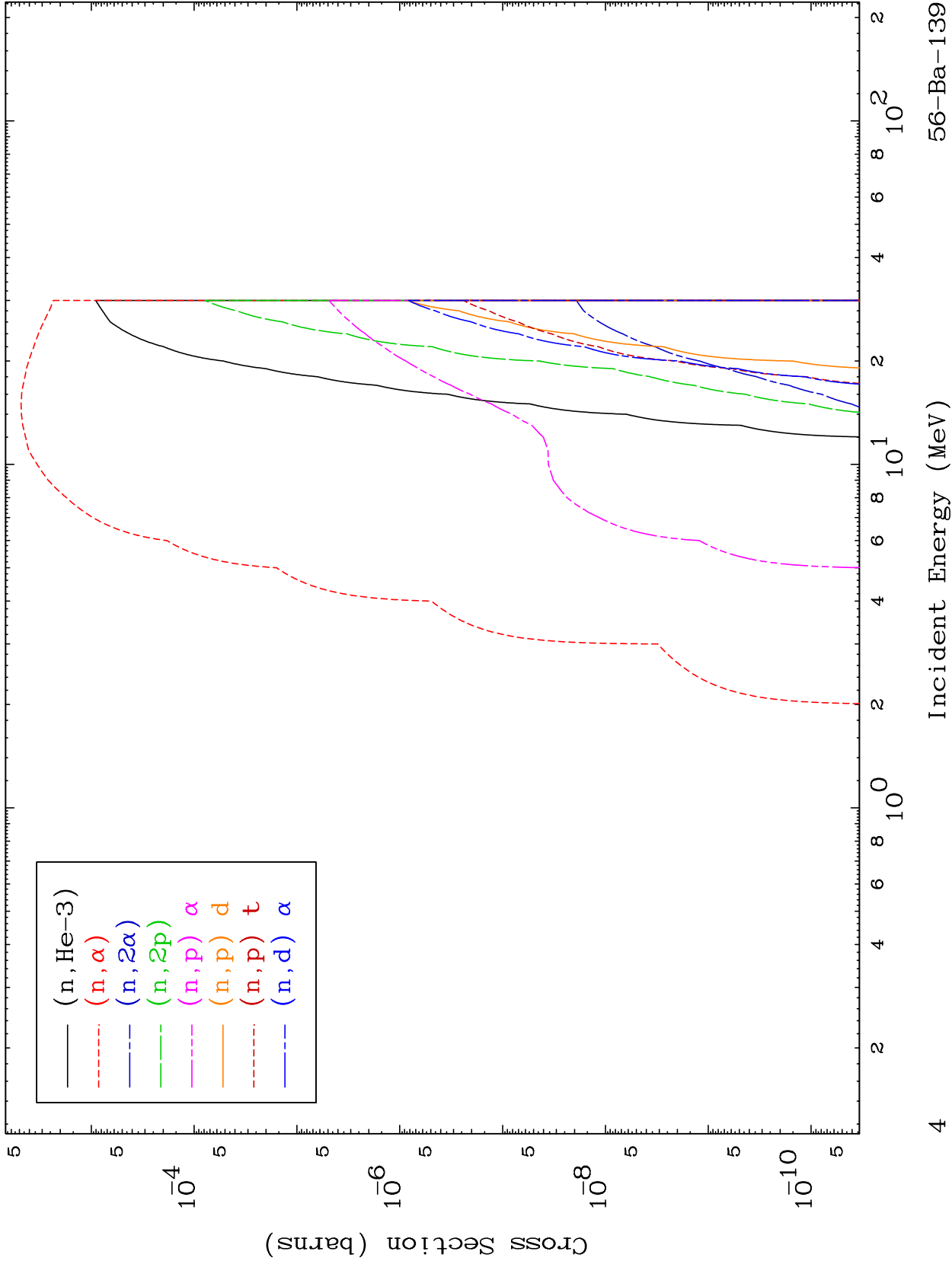


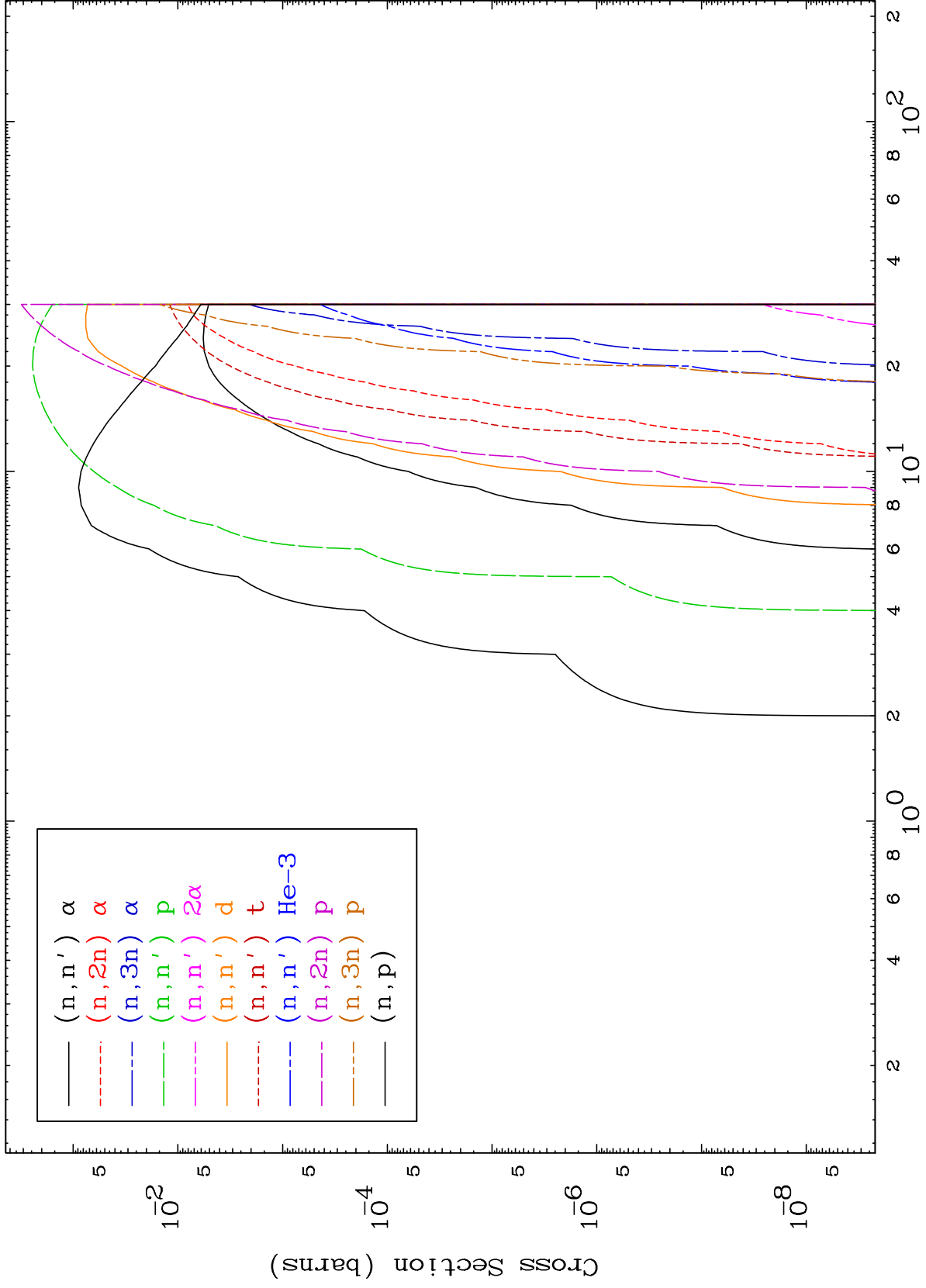
MAT 5652

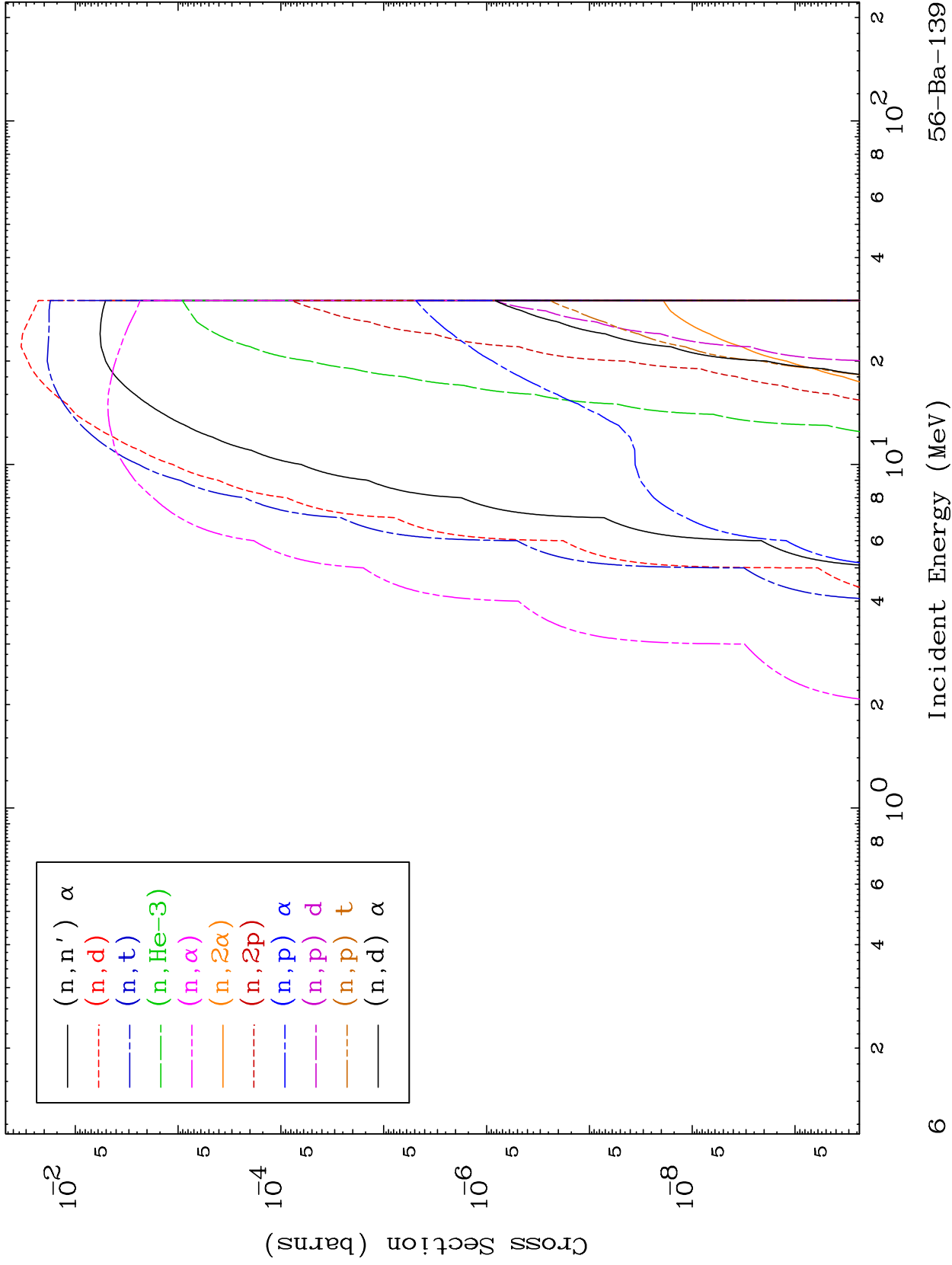
Deuteron Neutron Absorption
0 Kelvin Cross Sections

56-Ba-139





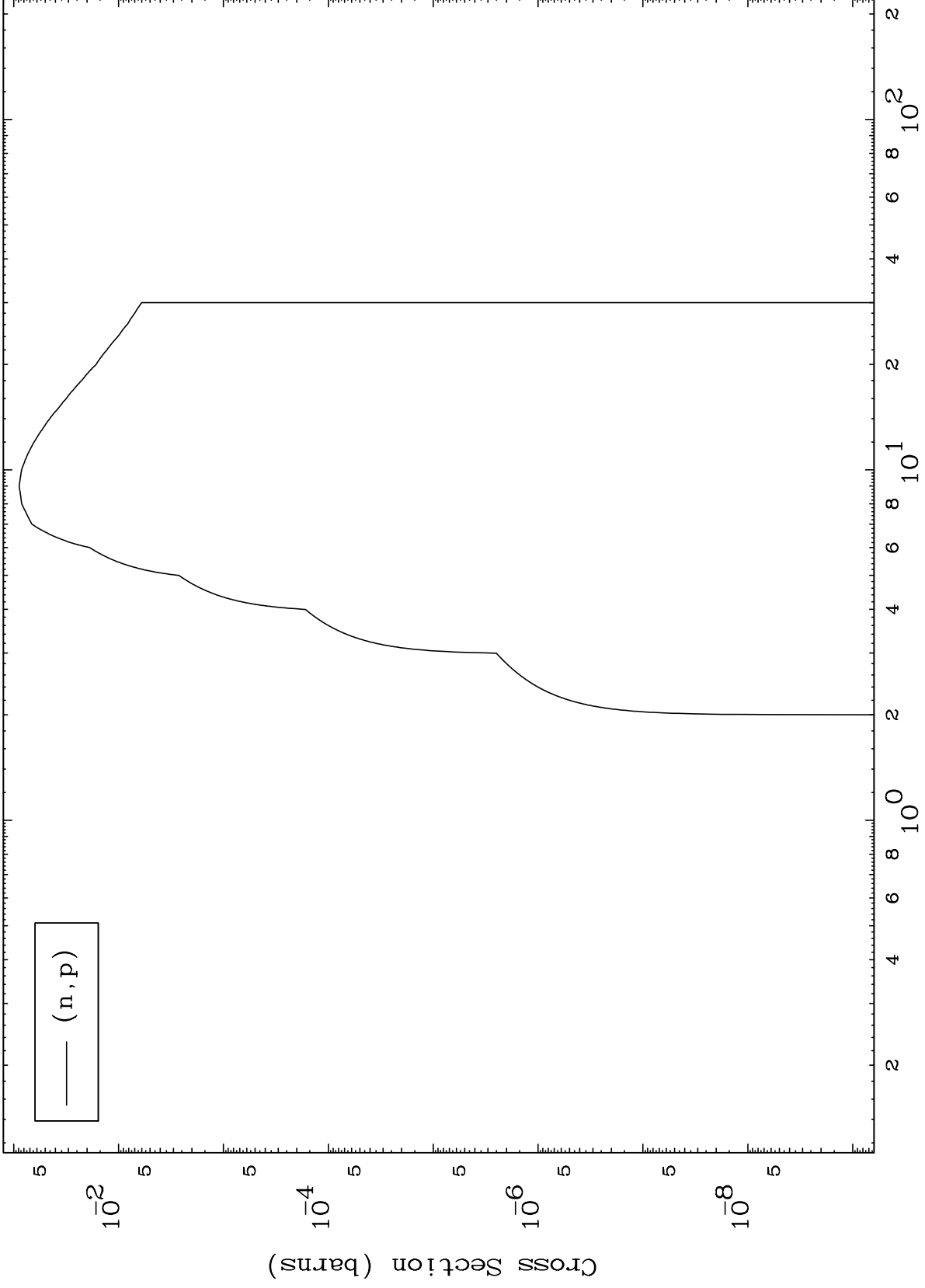




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56-Ba-139

(d,p) Levels
0 Kelvin Cross Sections

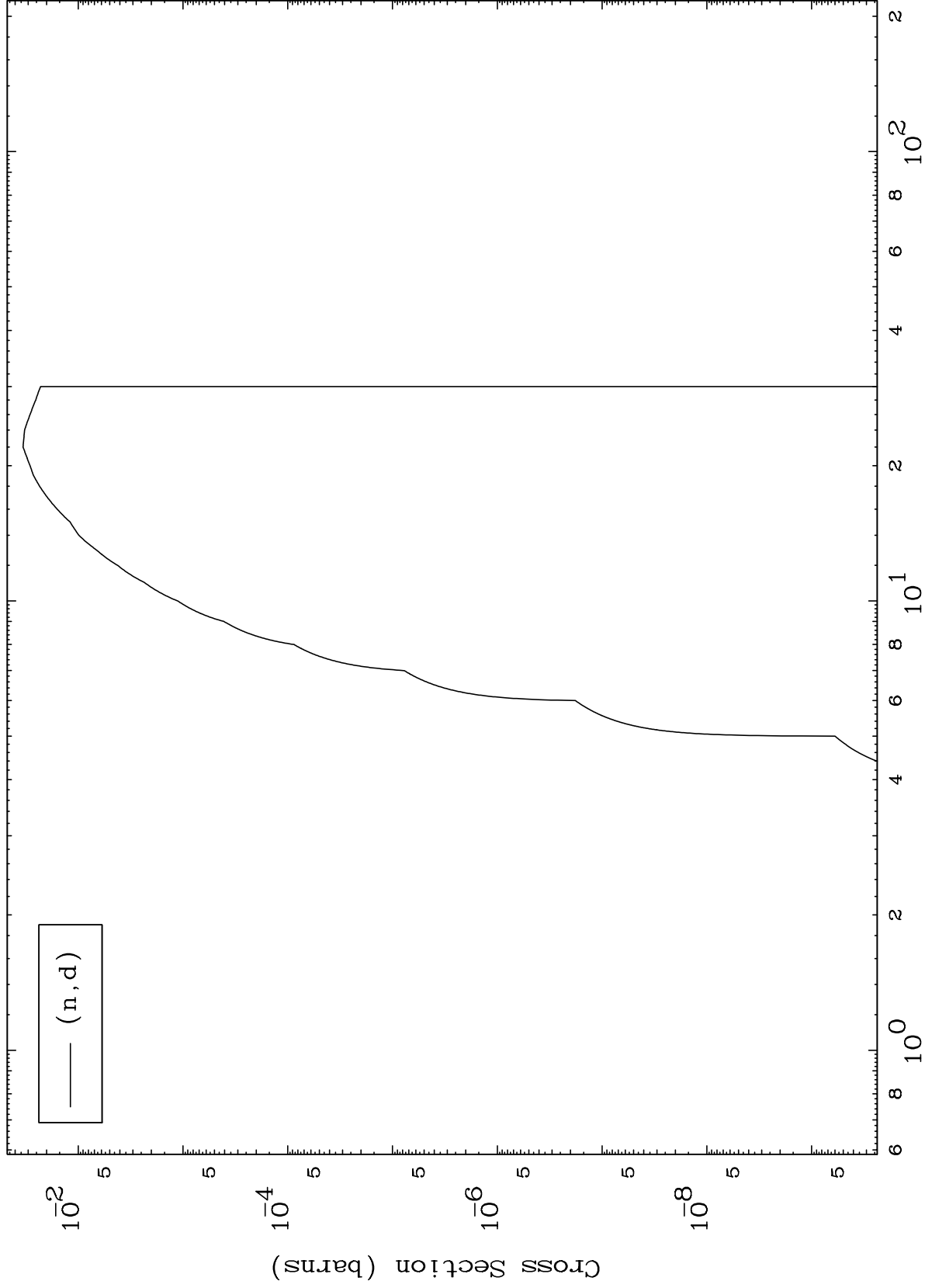


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(d,d) Levels

56-Ba-139

0 Kelvin Cross Sections



8

Incident Energy (MeV)

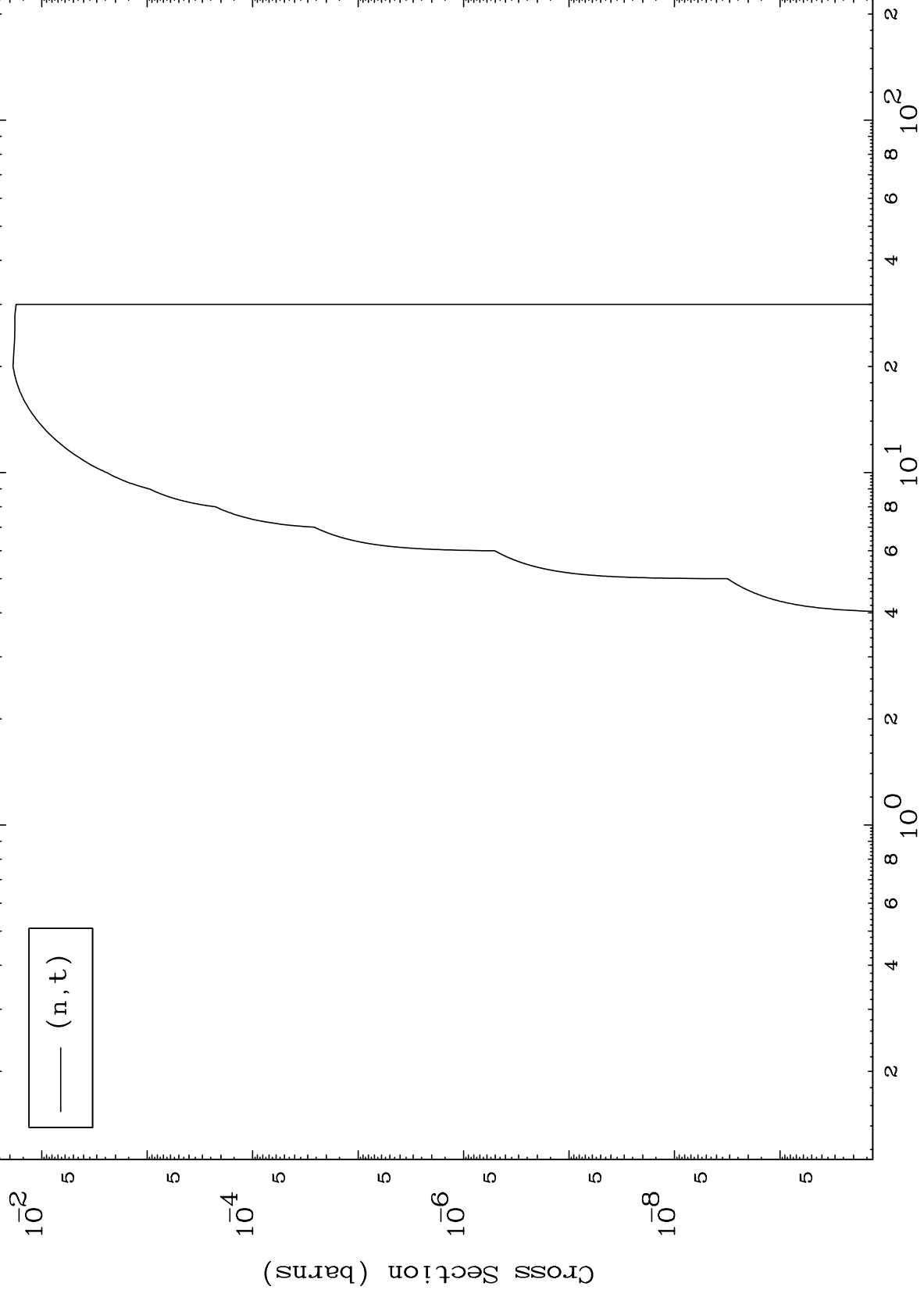
56-Ba-139

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(d, t) Levels

56-Ba-139

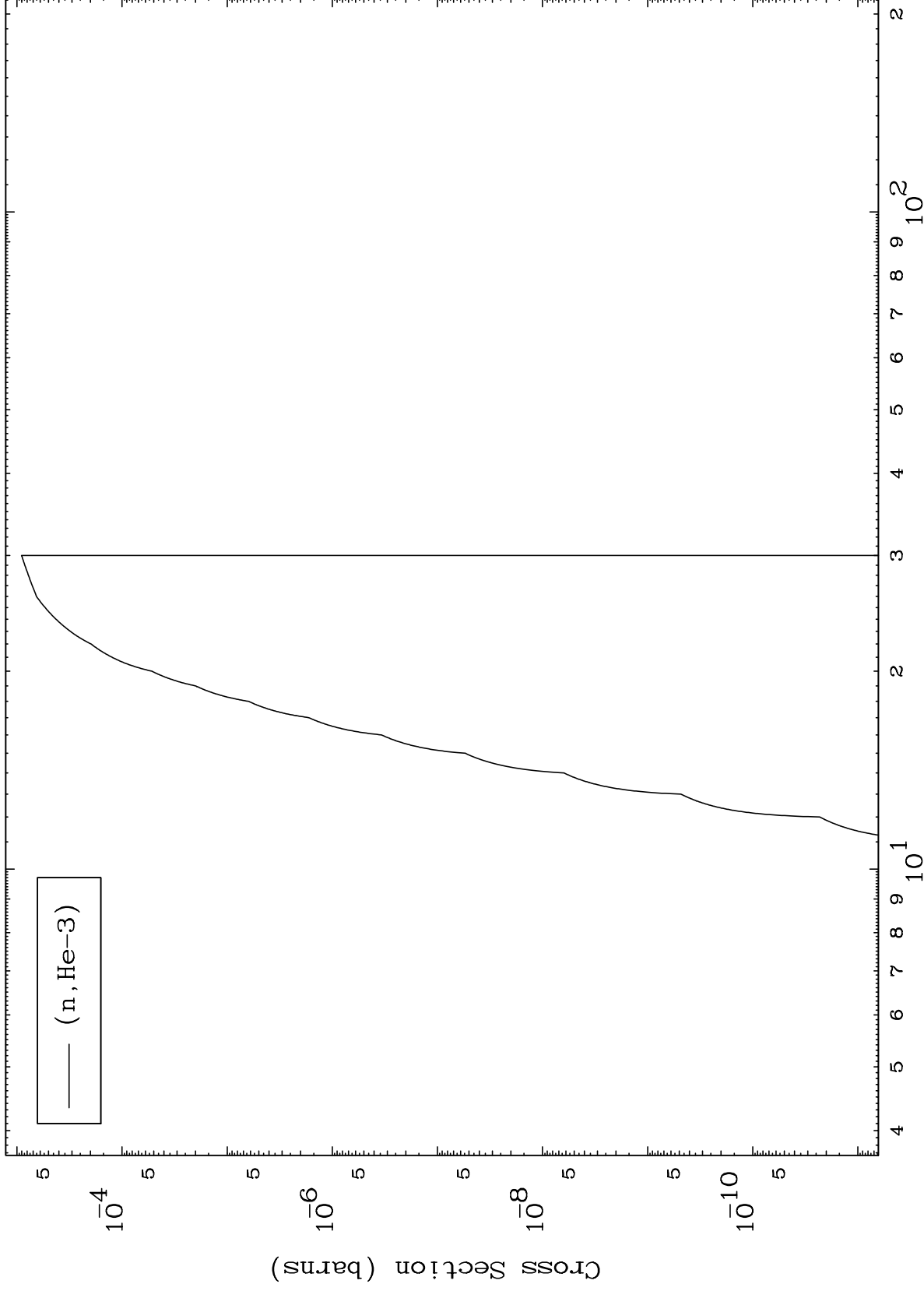
0 Kelvin Cross Sections



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(d,He3) Levels
0 Kelvin Cross Sections

56-Ba-139



10

Incident Energy (MeV)

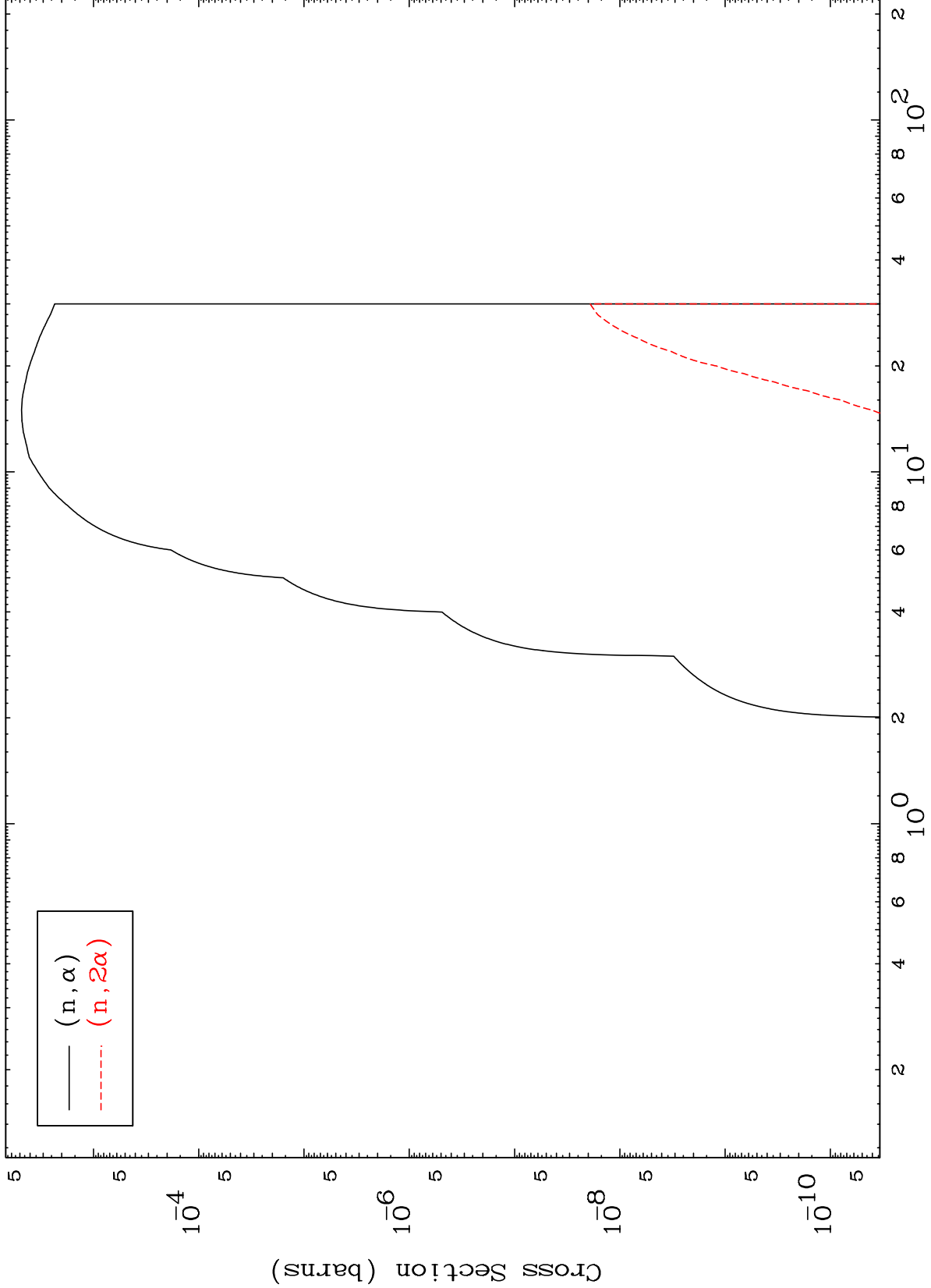
56-Ba-139

MAT 5652

(d, α) Levels

56-Ba-139

0 Kelvin Cross Sections



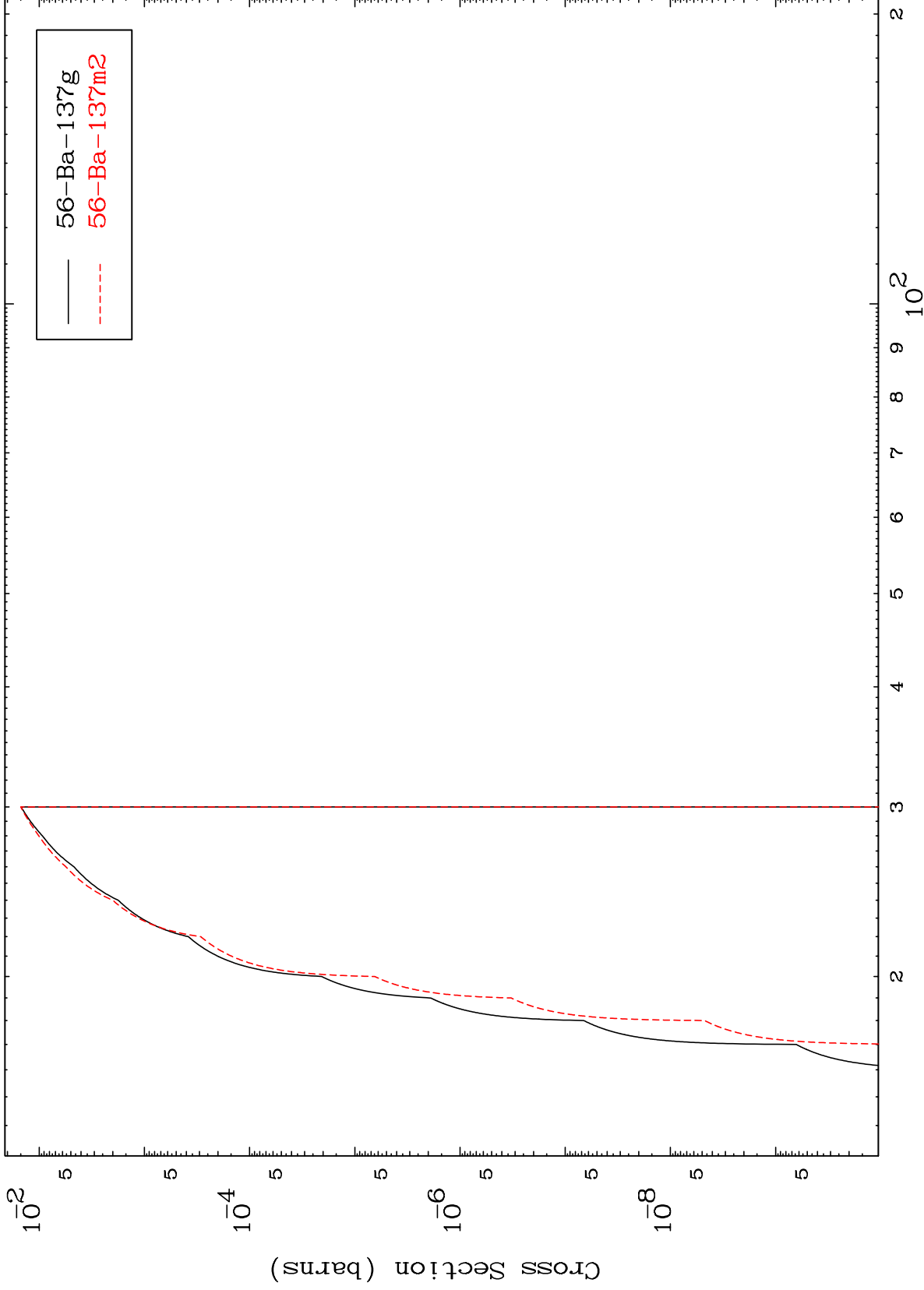
— (n, α)
- - - (n, 2α)

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(n,2n) d

56-Ba-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

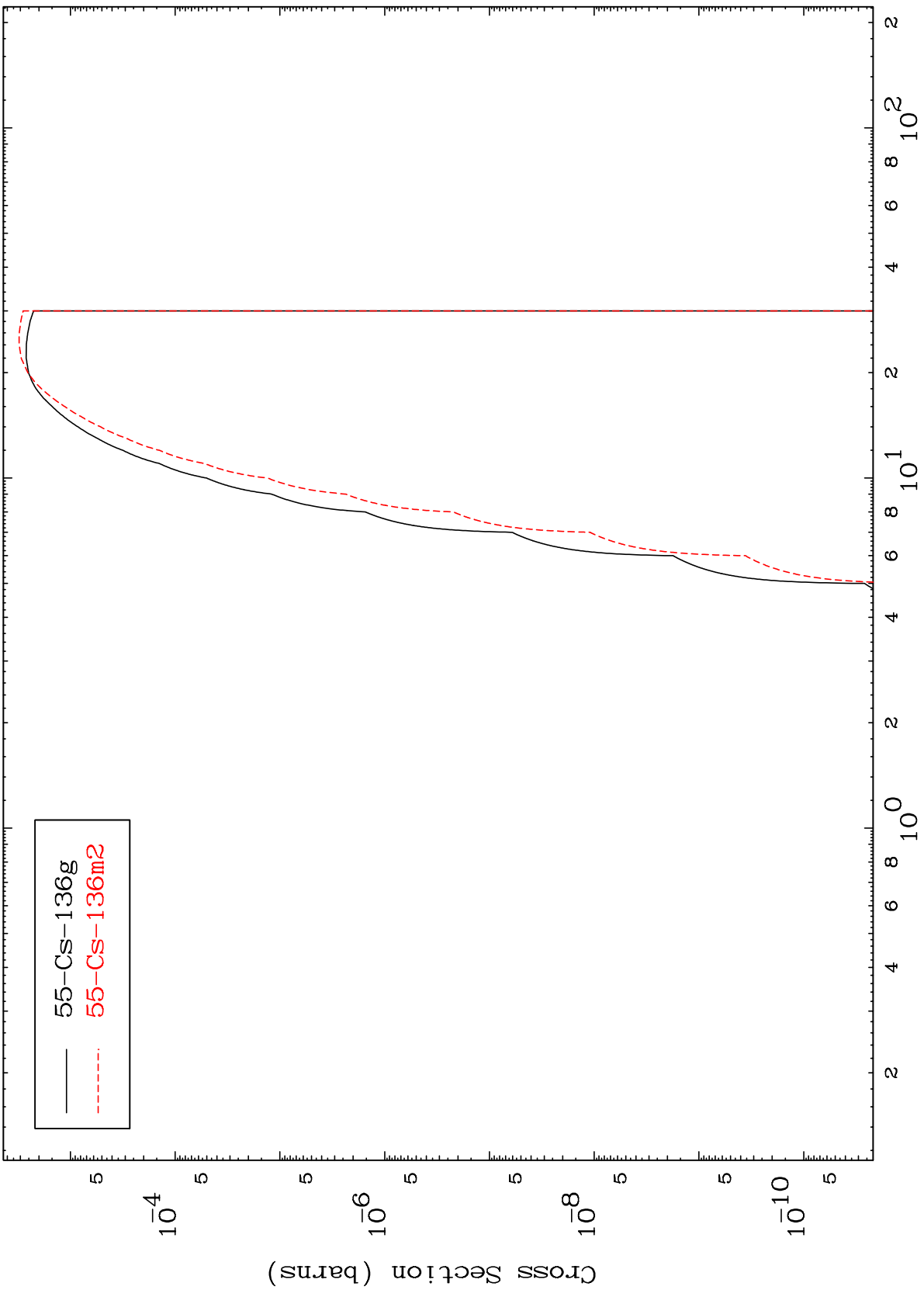
56-Ba-139

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$(n, n') \alpha$

56-Ba-139

Radionuclide Production Cross Section

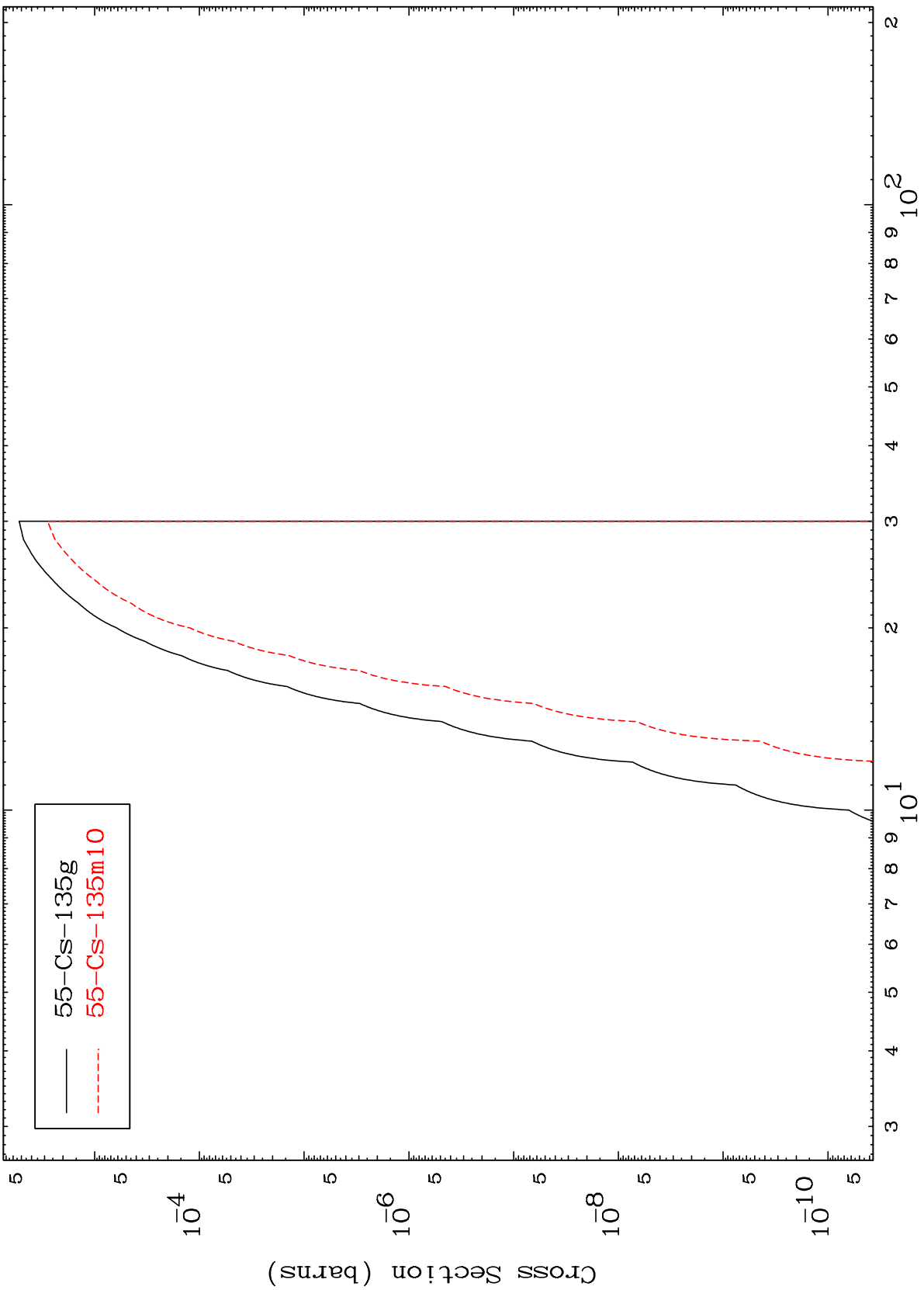


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(n,2n) α

56-Ba-139

Radionuclide Production Cross Section



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

14

Incident Energy (MeV)

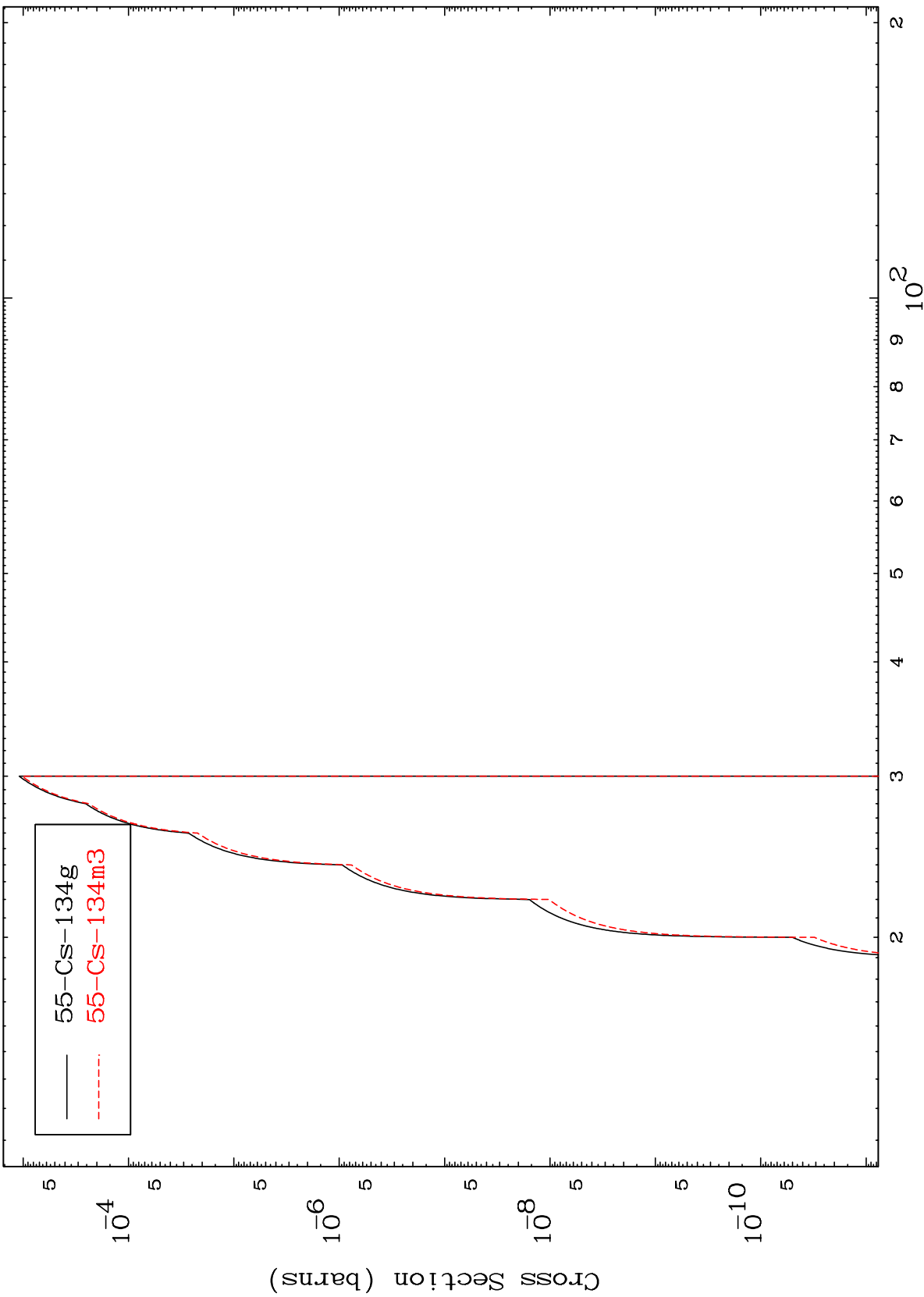
56-Ba-139

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(n,3n) α

56-Ba-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

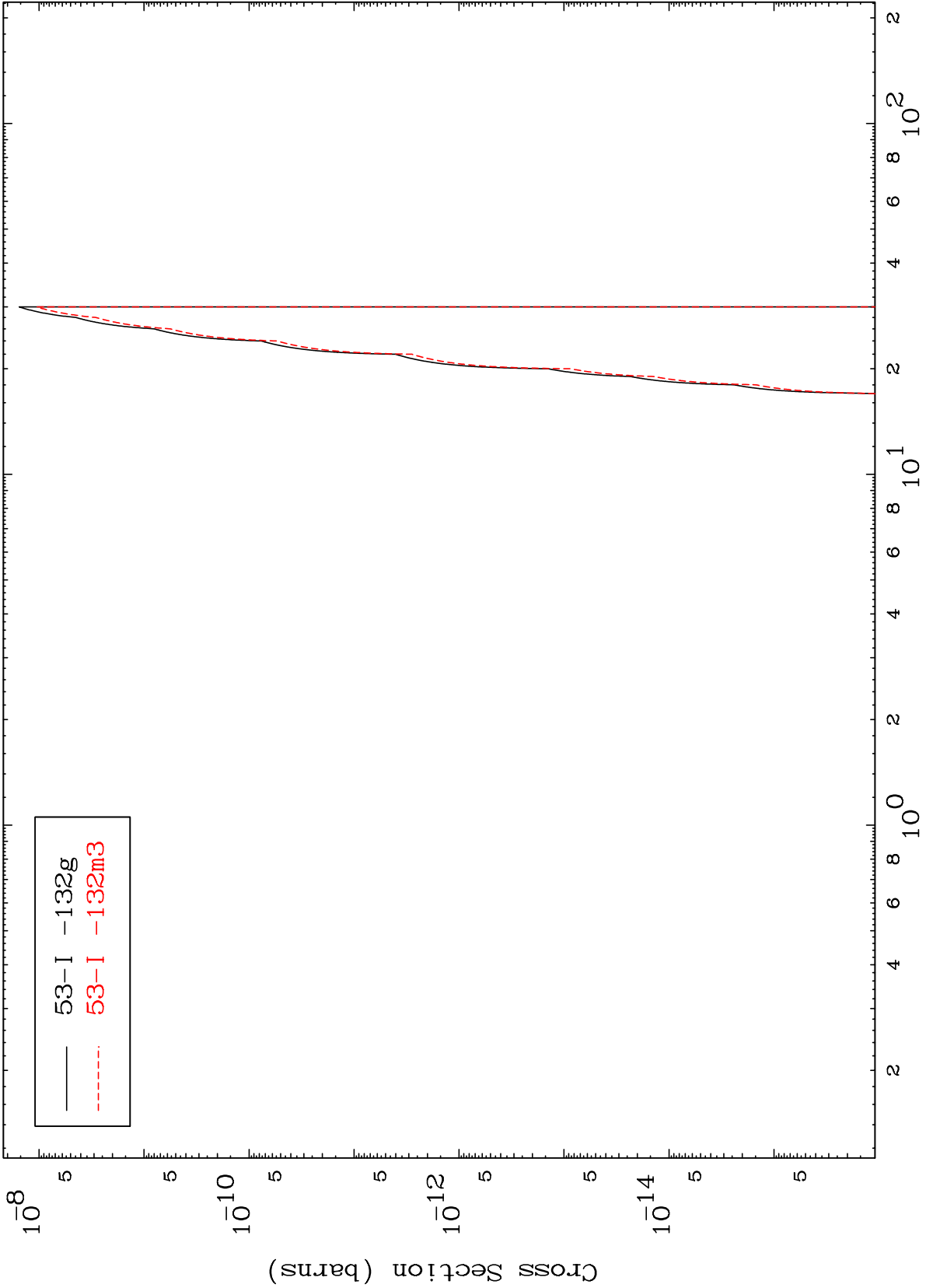
56-Ba-139

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(n,n') 2α

56-Ba-139

Radionuclide Production Cross Section



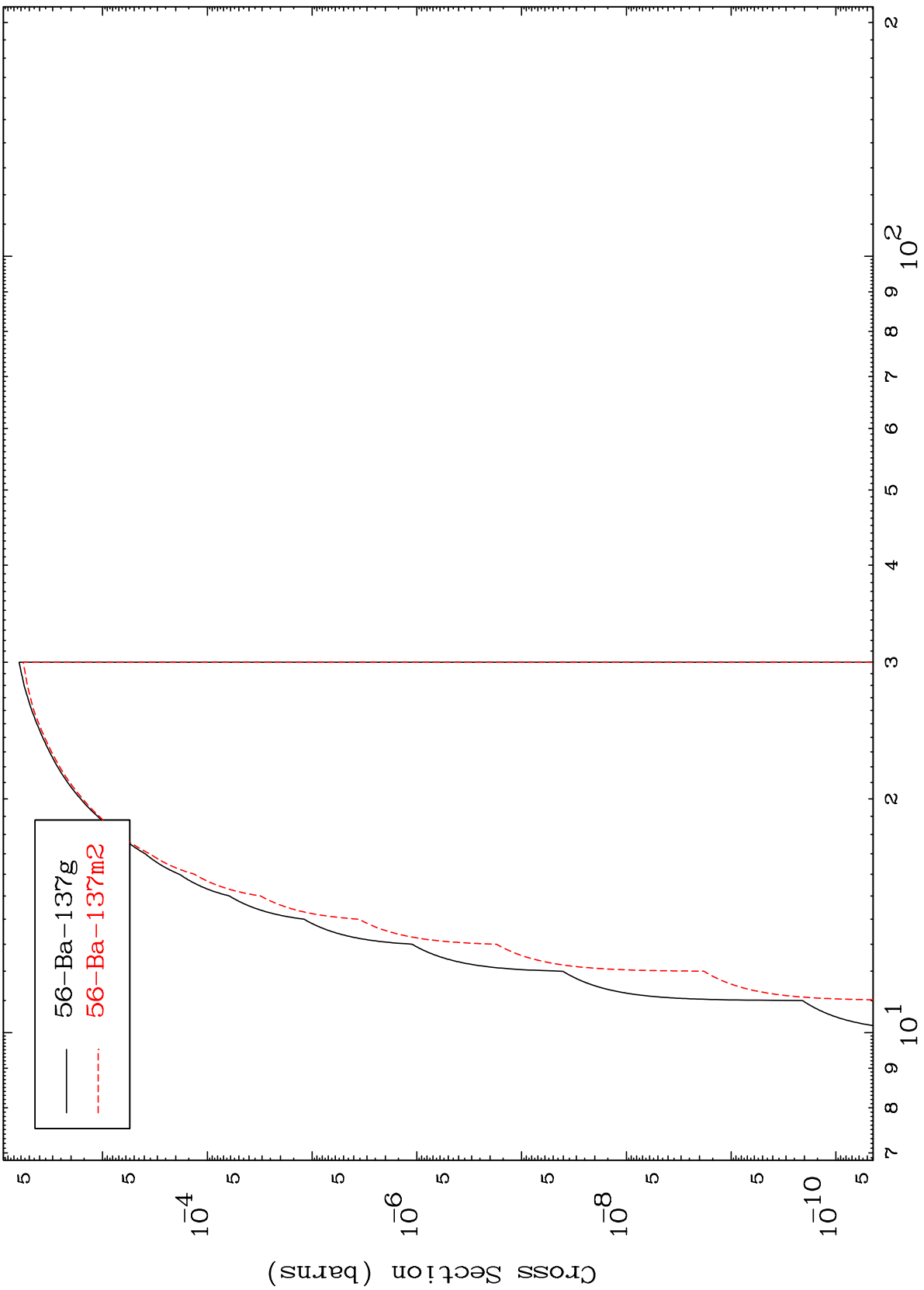
53-I -132g
53-I -132m3

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(n,n') t

56-Ba-139

Radionuclide Production Cross Section



17

Incident Energy (MeV)

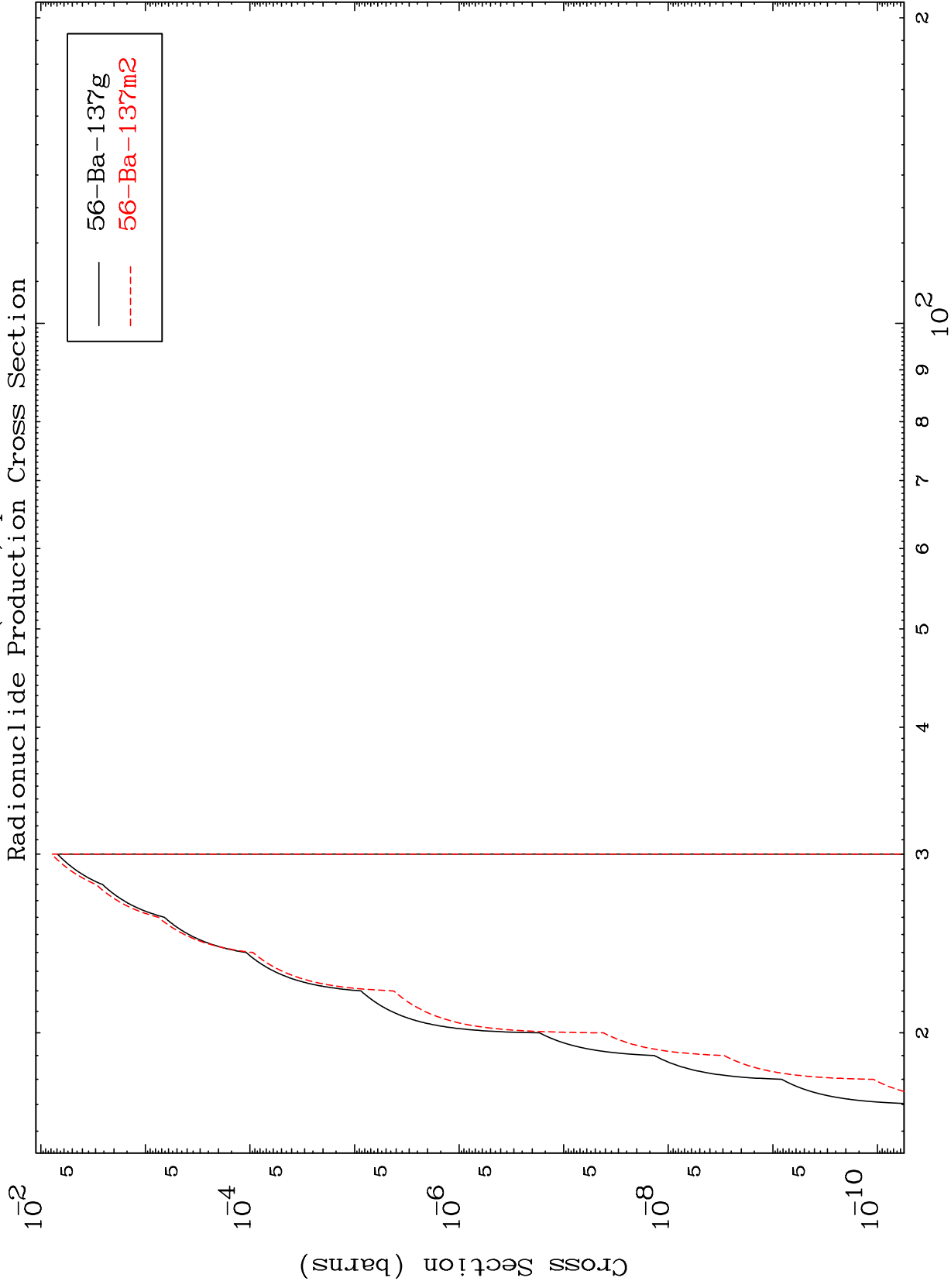
56-Ba-139

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(n,3n) p

56-Ba-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

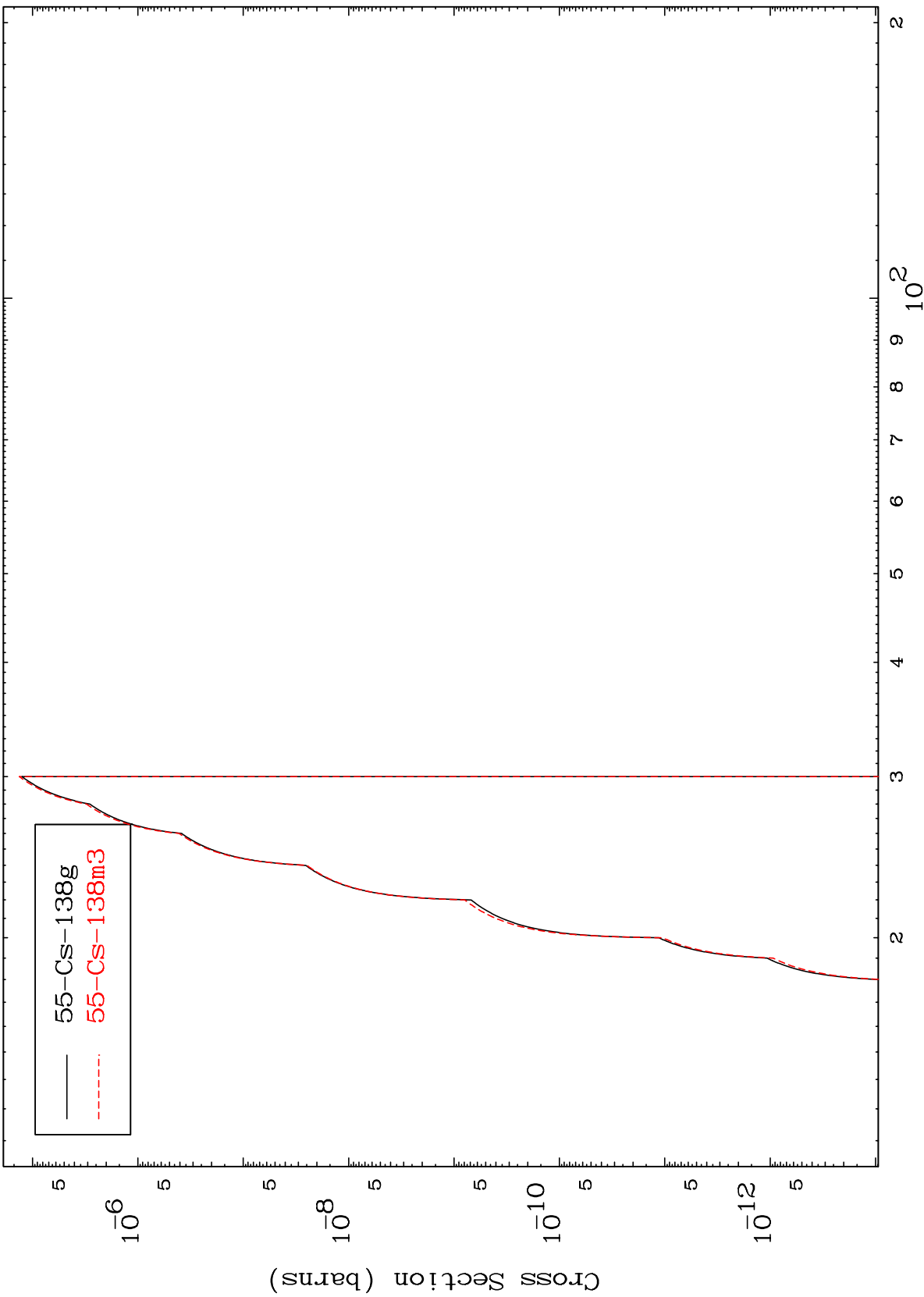
56-Ba-139

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(n,2n) p

56-Ba-139

Radionuclide Production Cross Section

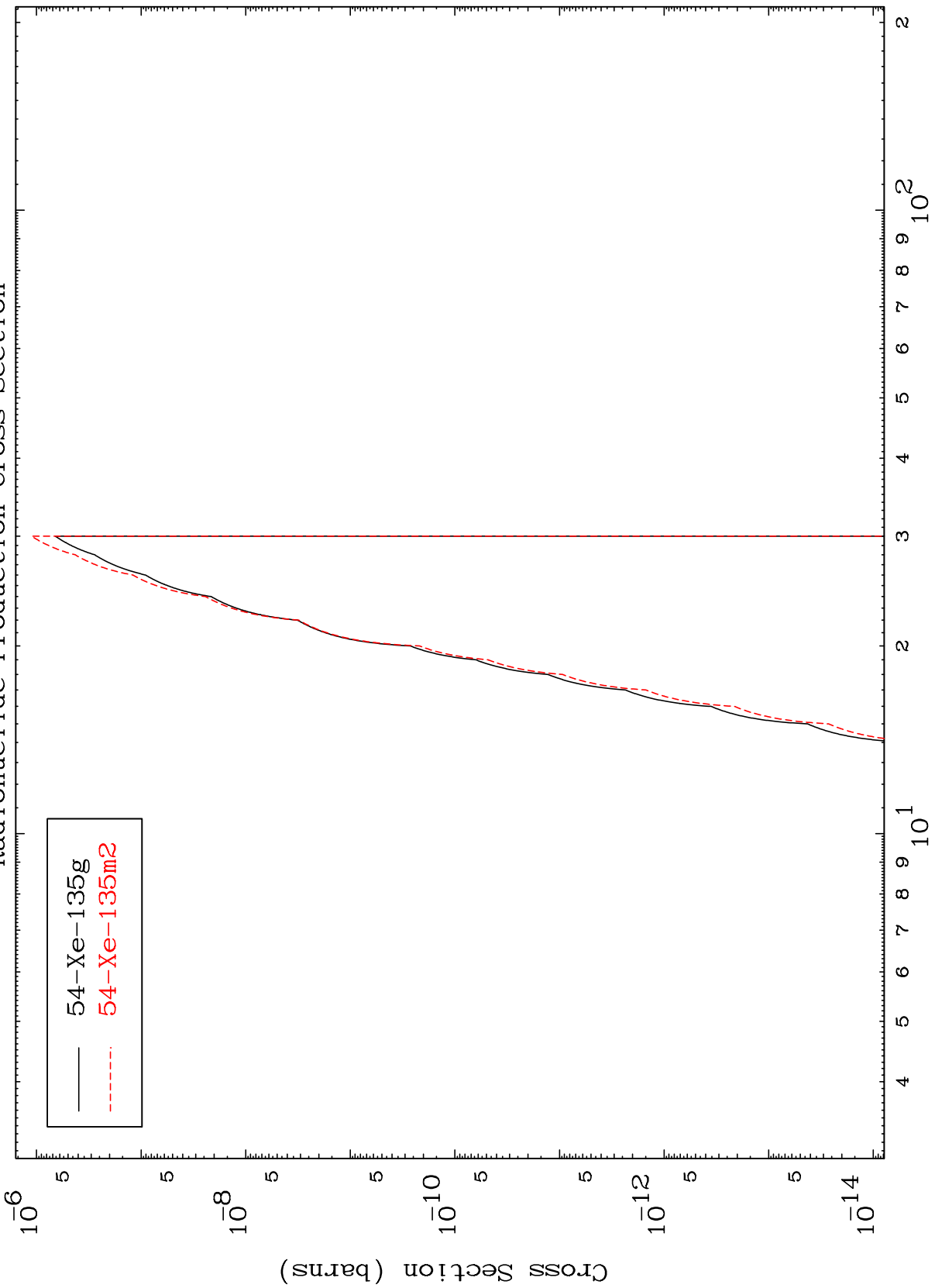


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(n,n') p α

56-Ba-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

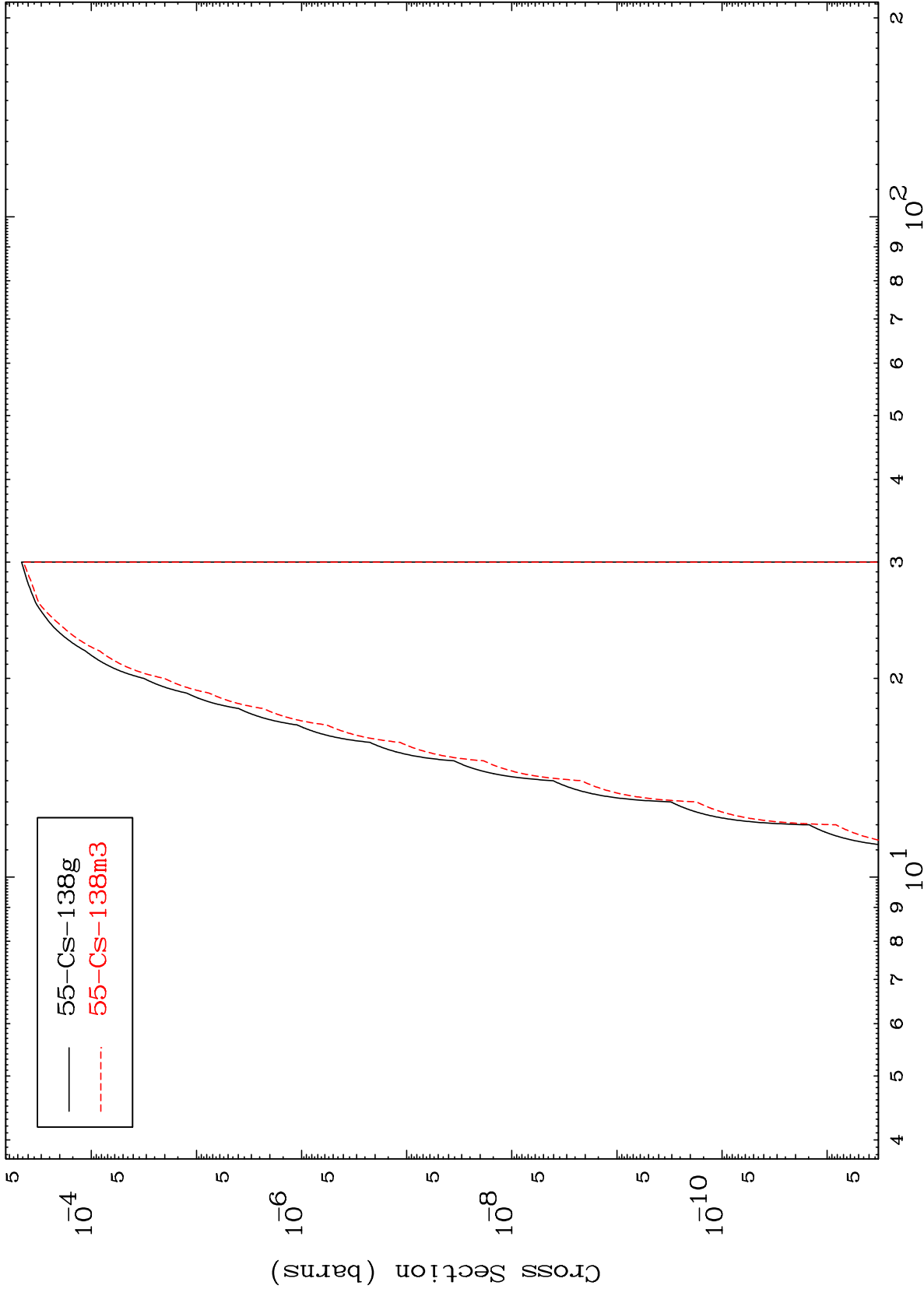
56-Ba-139

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(n,He-3)

56-Ba-139

Radionuclide Production Cross Section

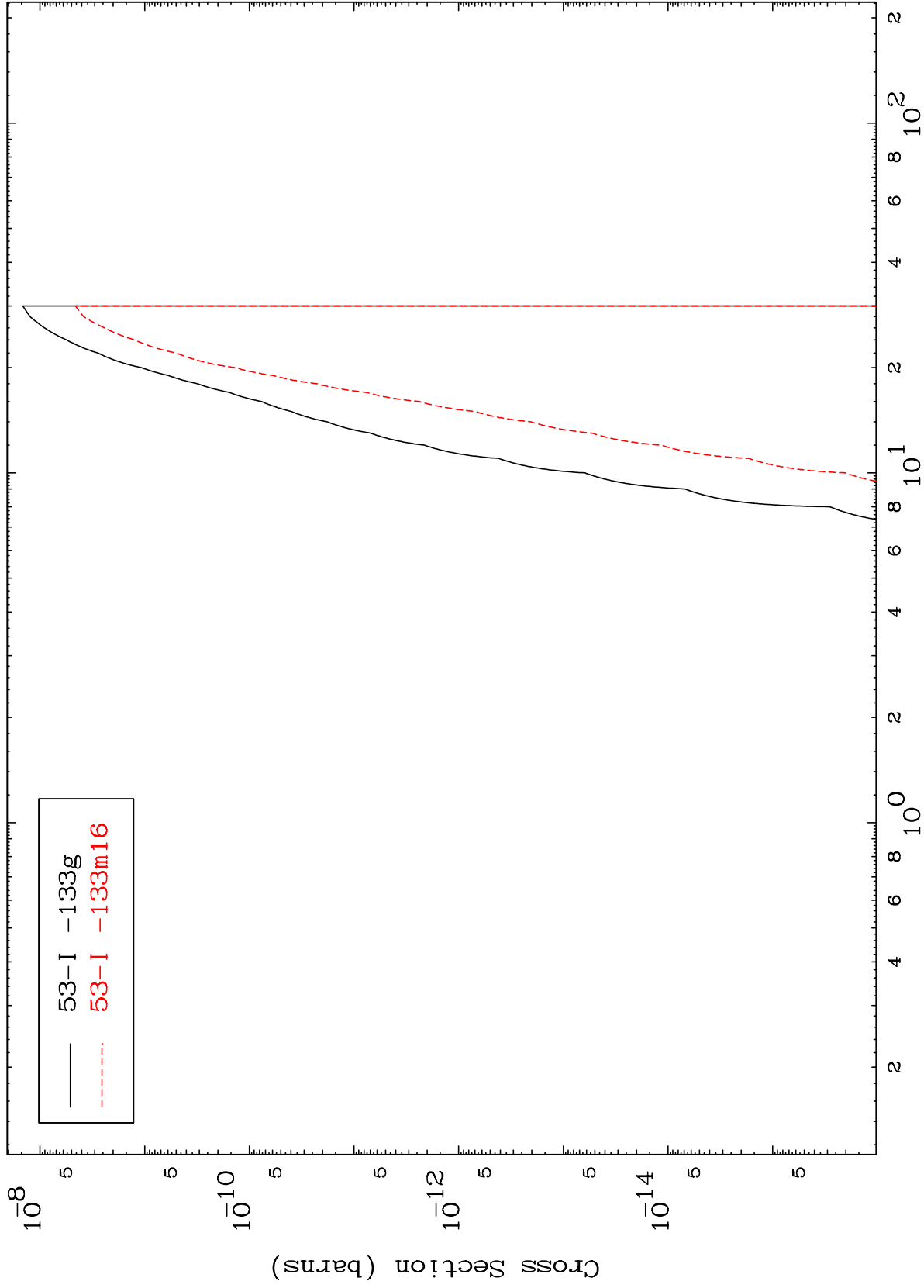


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(n,2α)

56-Ba-139

Radionuclide Production Cross Section



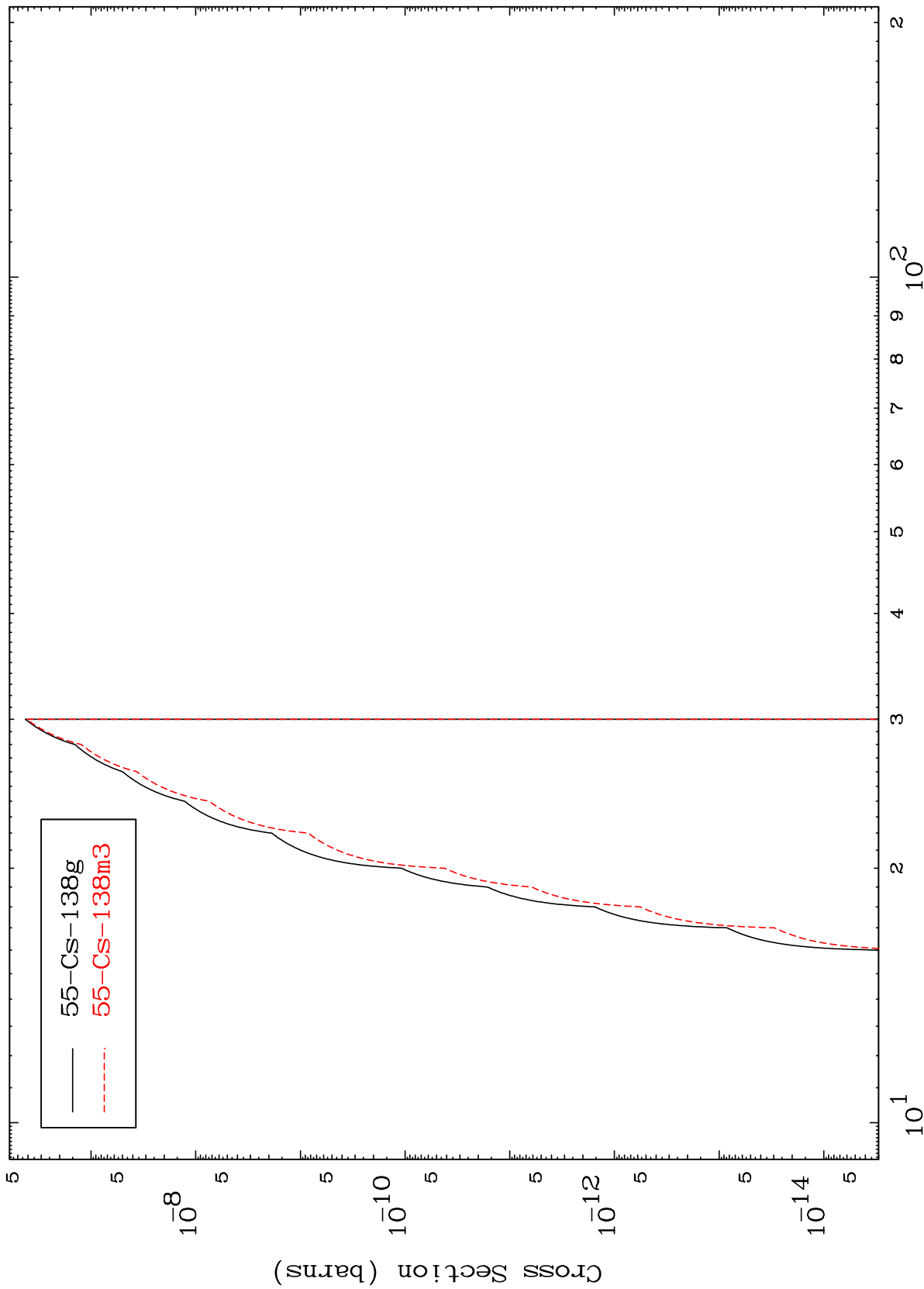
53-I -133g
53-I -133m16

MAT 5652

(n,p) d

56-Ba-139

Radionuclide Production Cross Section



55-Cs-138g
55-Cs-138m3

Incident Energy (MeV)

56-Ba-139

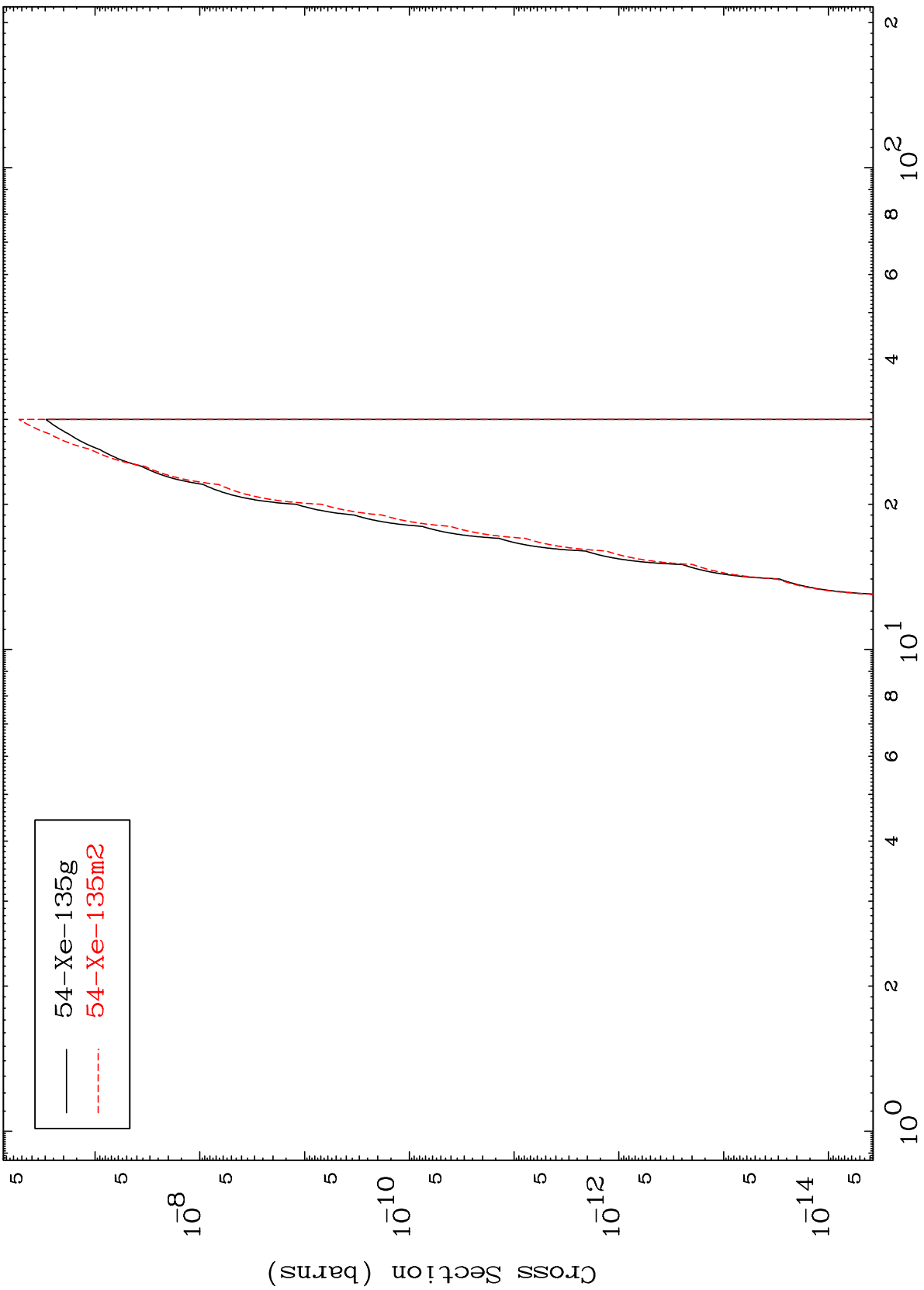
23

MAT 5652

(n,d) α

56-Ba-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

56-Ba-139