

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

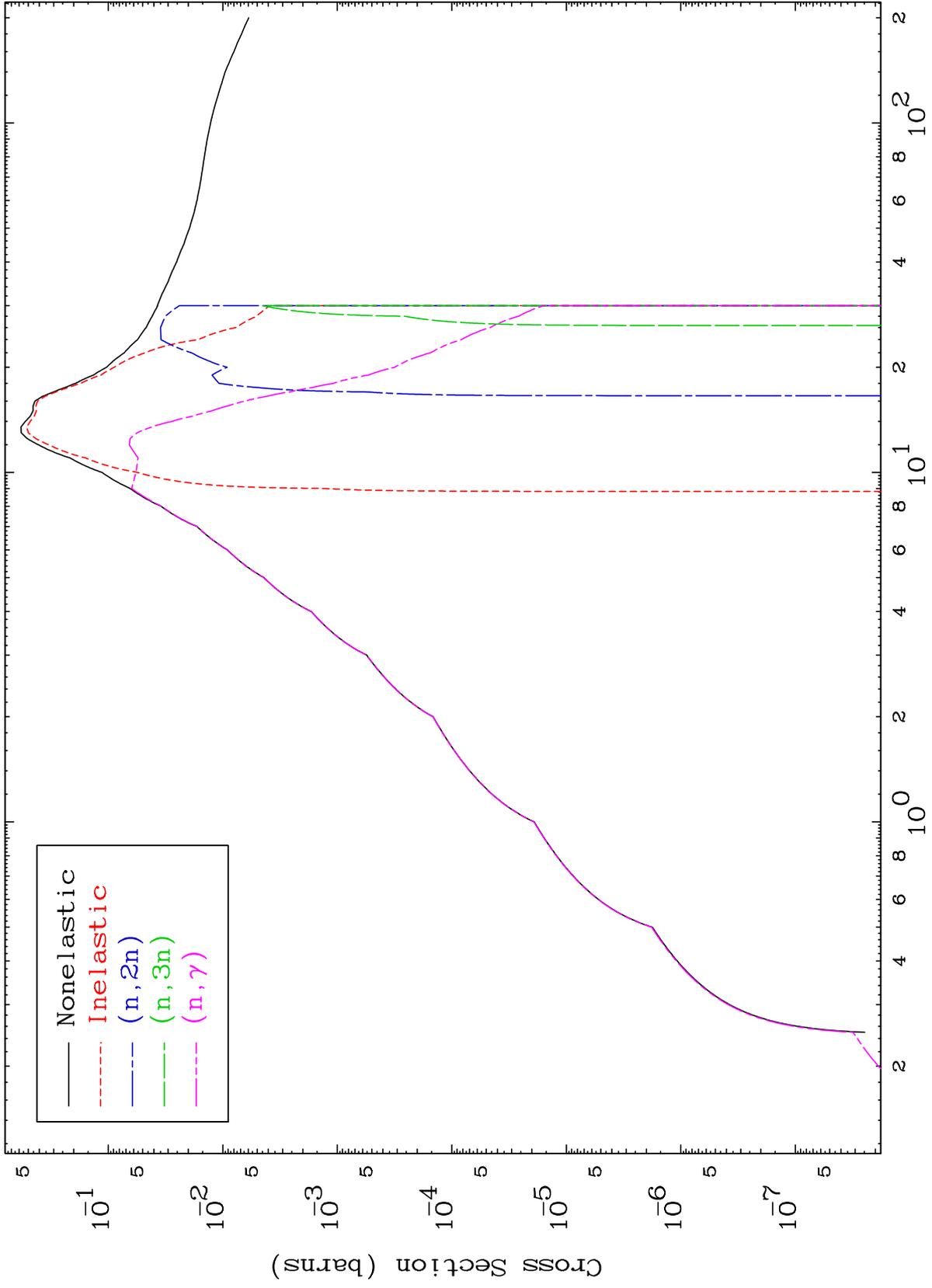
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Livermore, CA 94550
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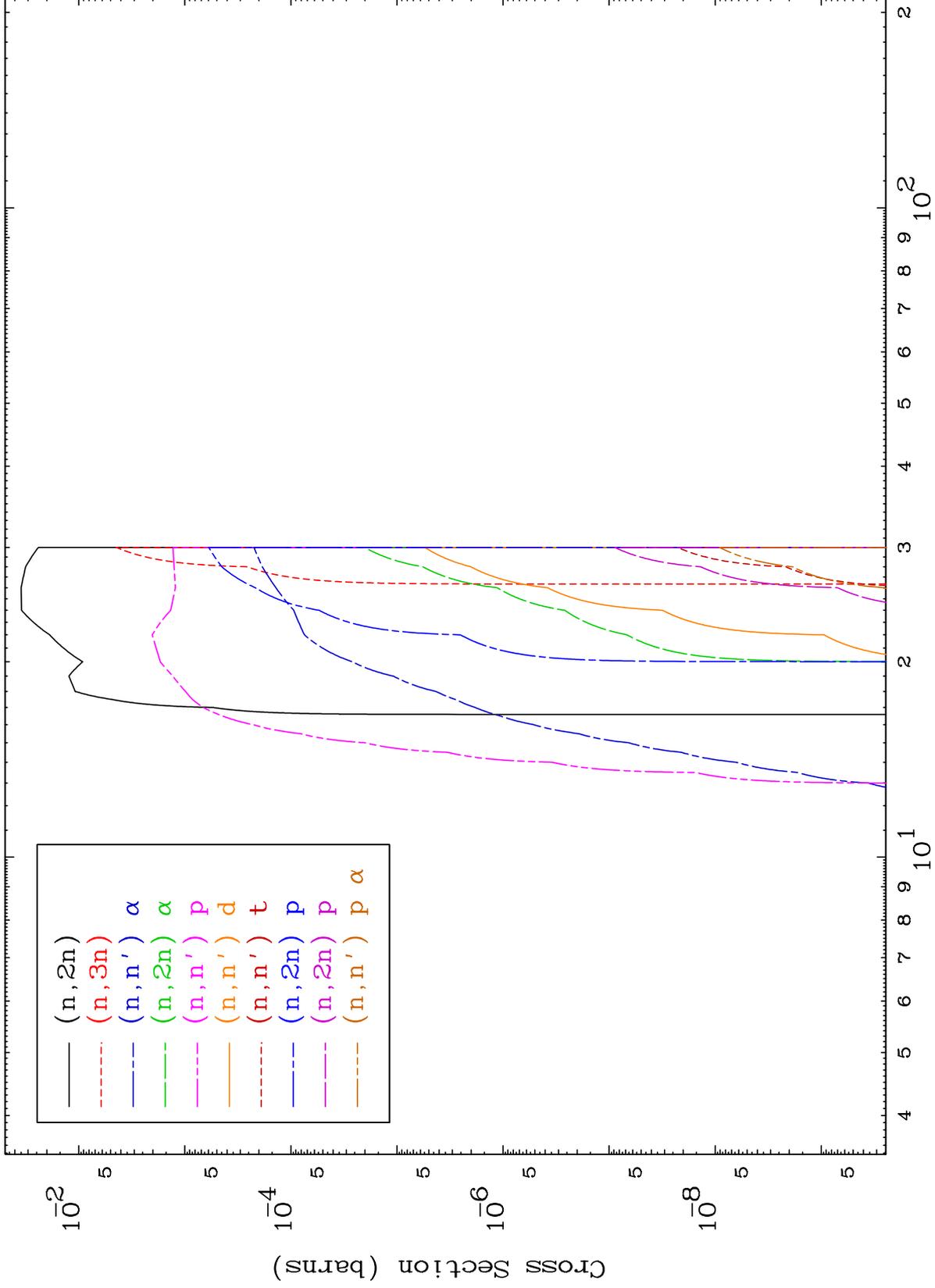
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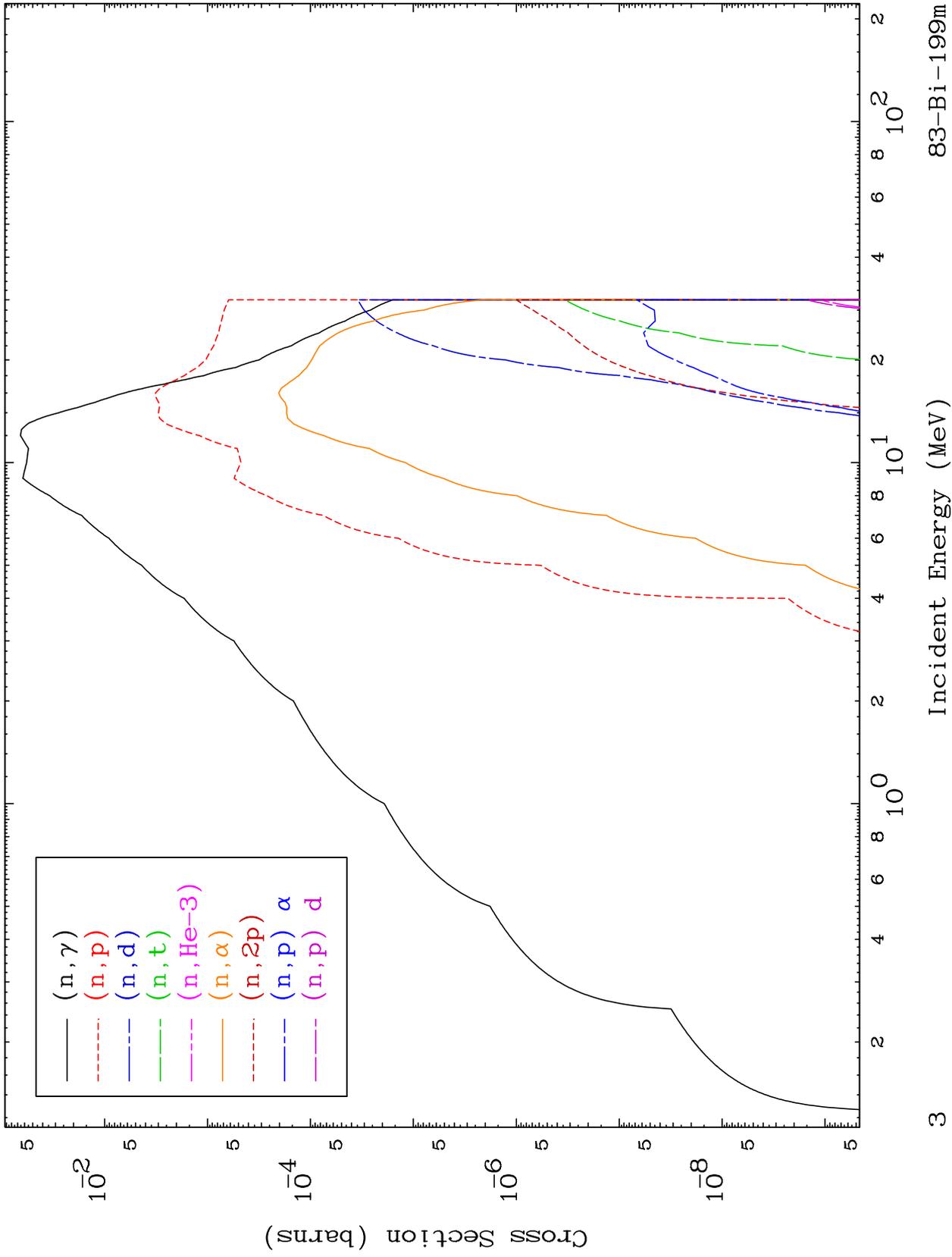
E.Mail:redcullen1@comcast.net

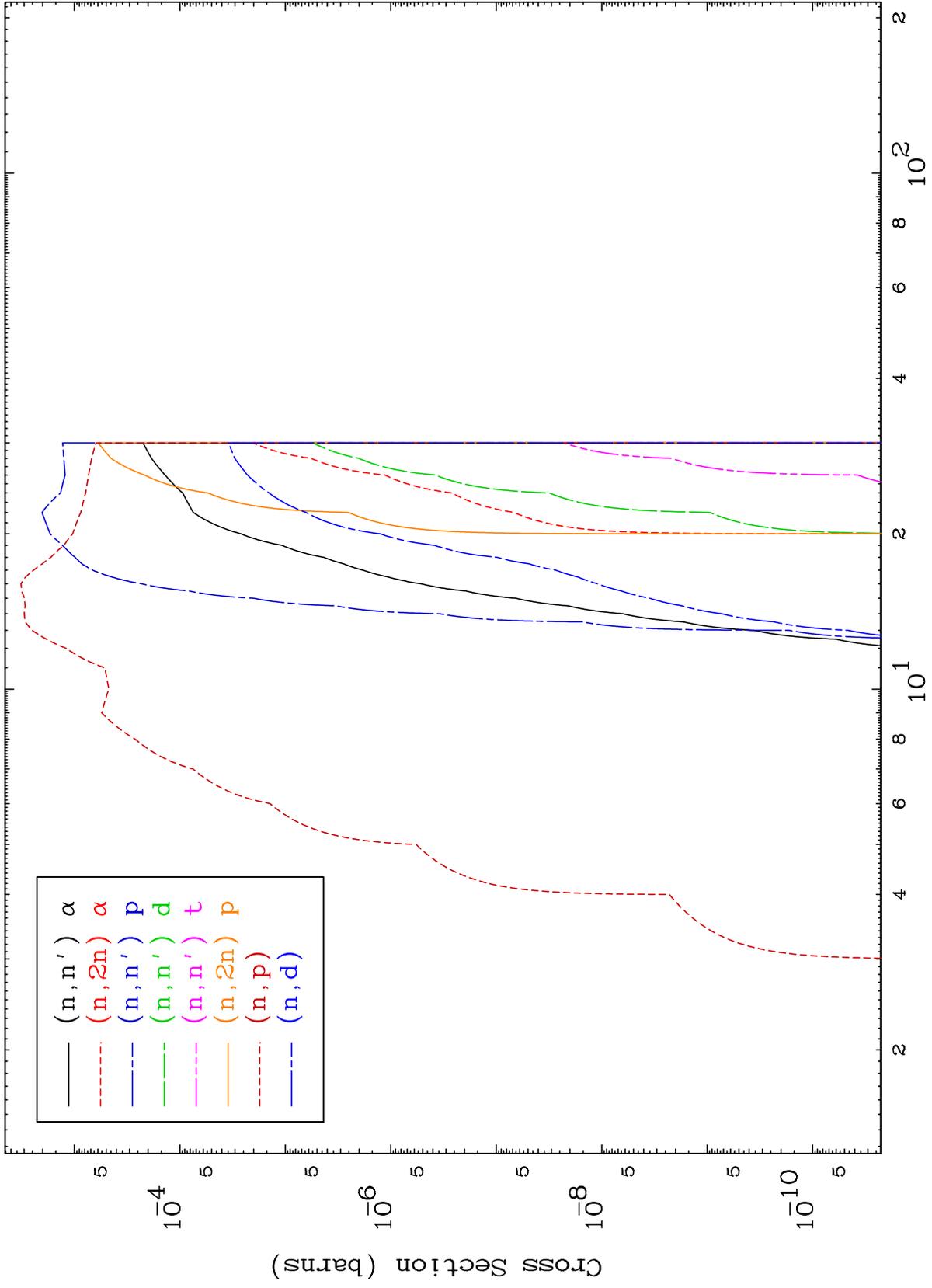
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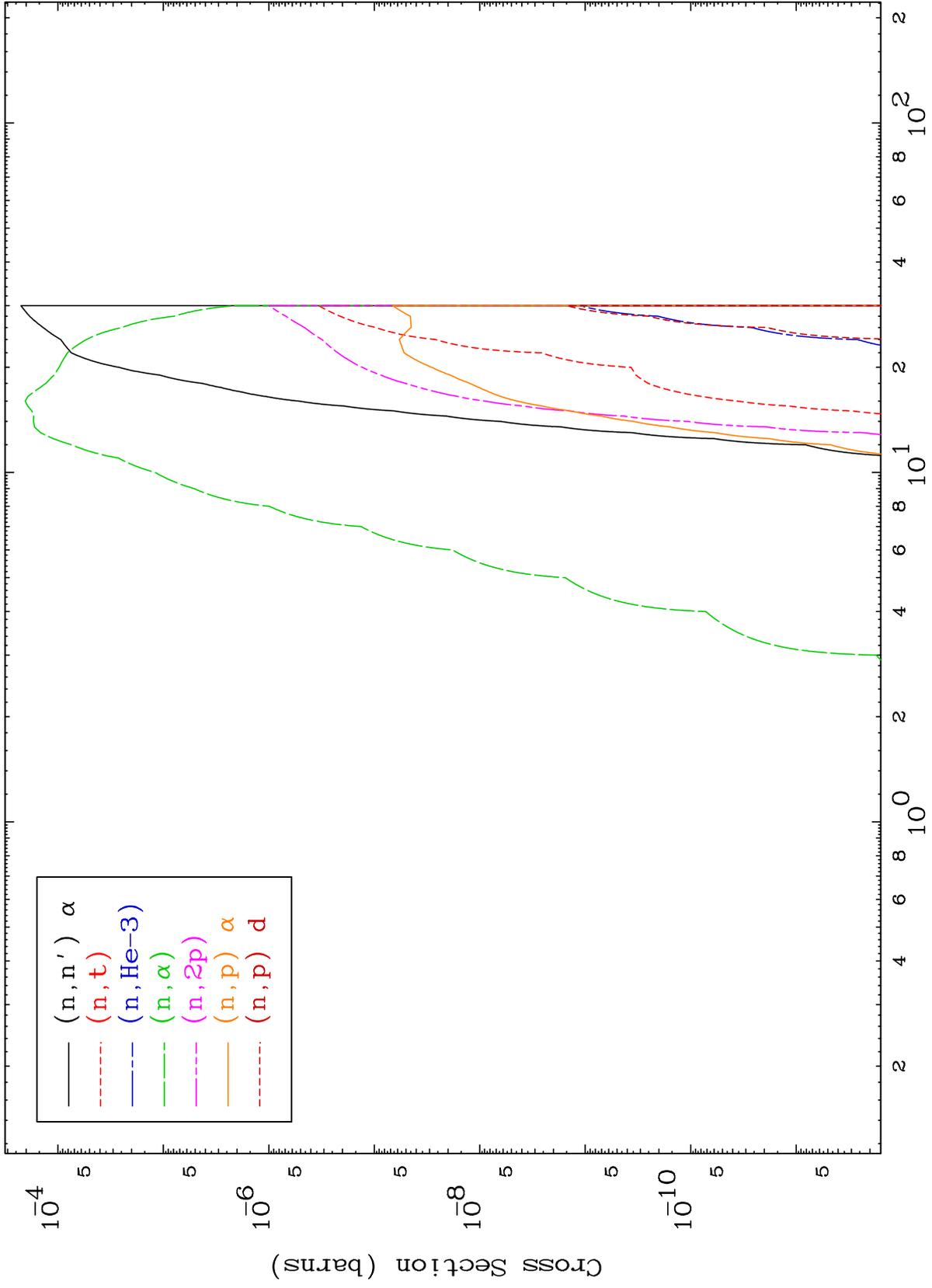
Press Mouse Button to Start









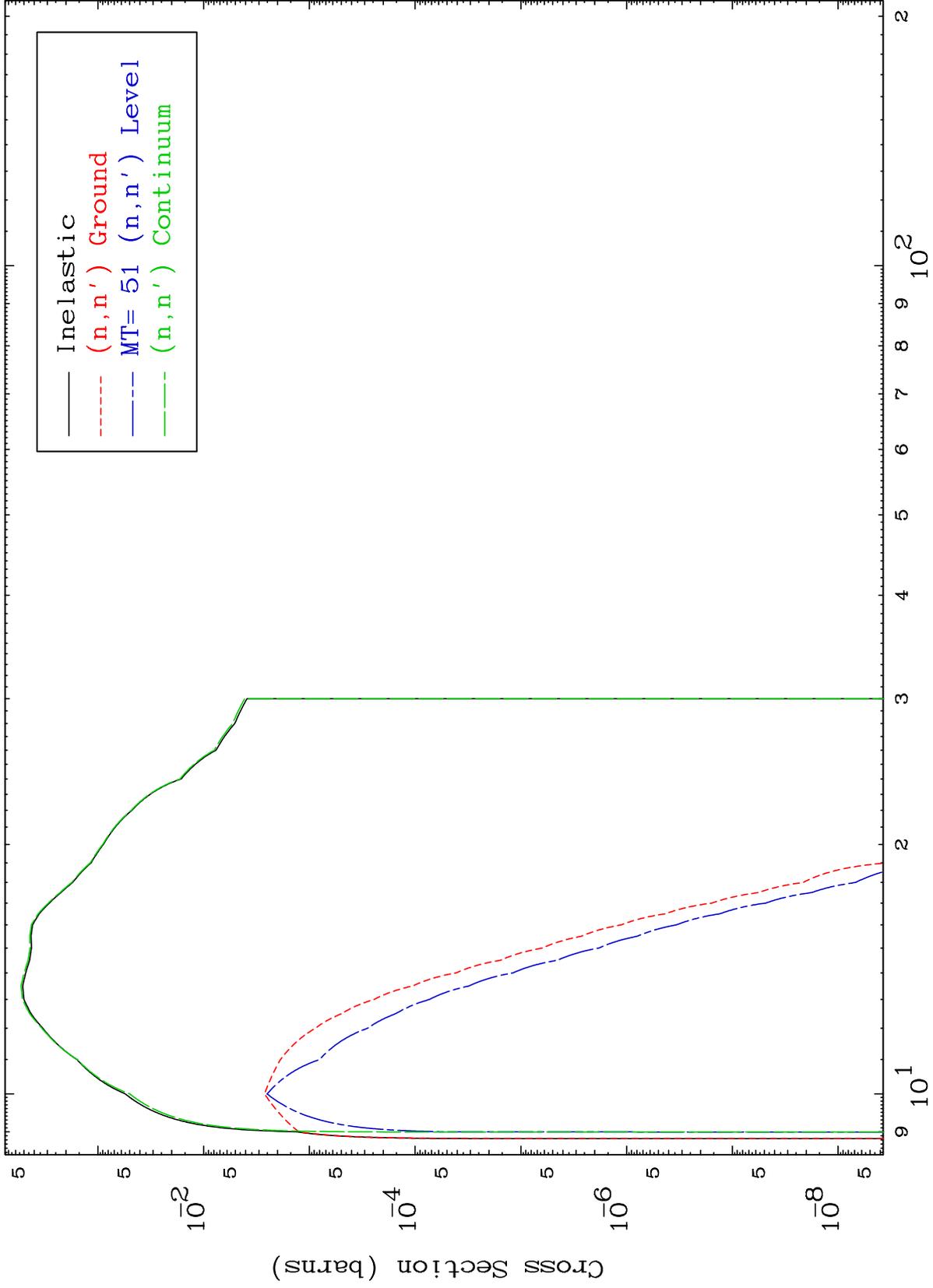


MAT 8296

(γ, n') Levels

83-Bi-199m

0 Kelvin Cross Sections



Incident Energy (MeV)

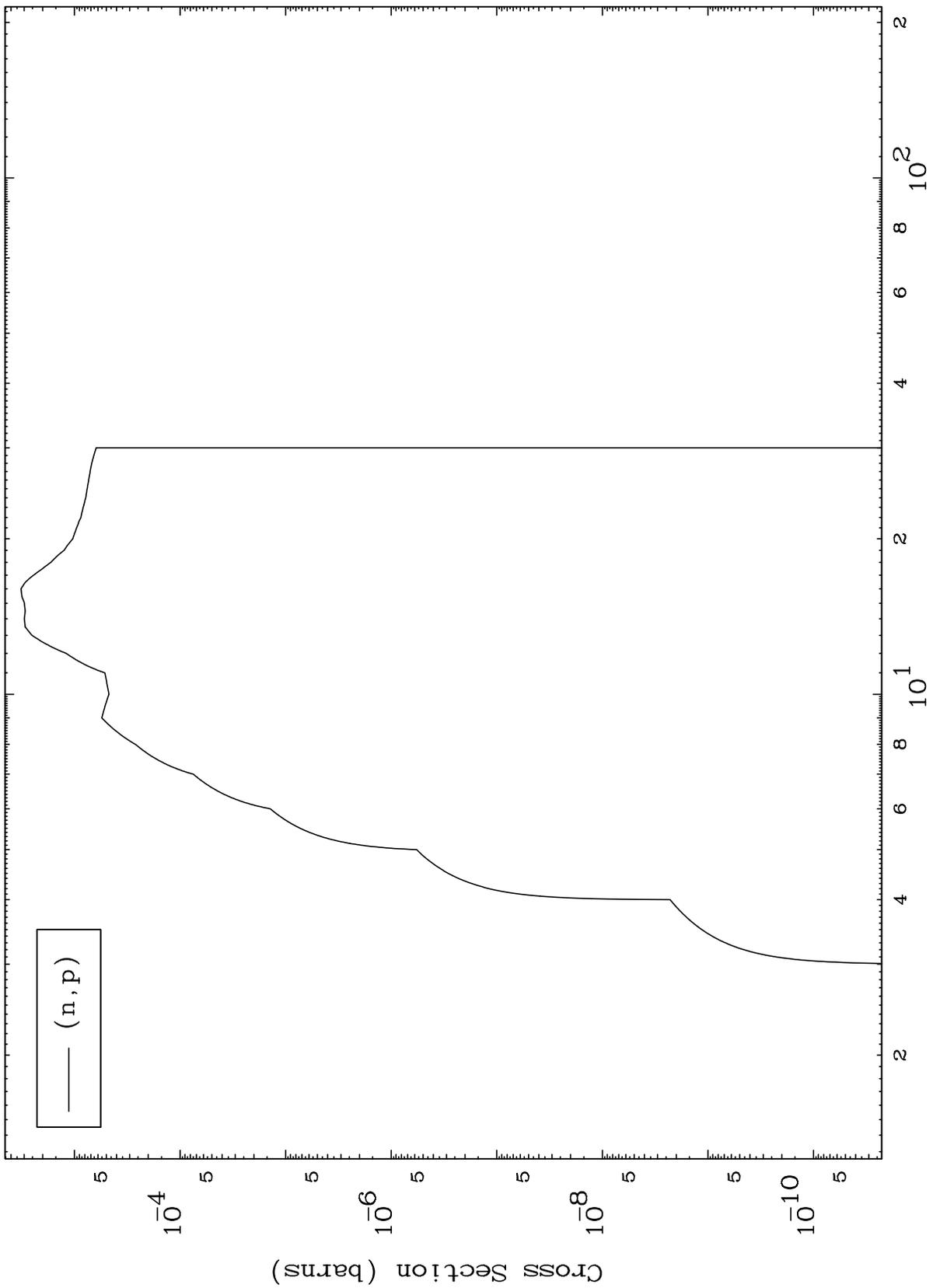
83-Bi-199m

6

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83-Bi-199m

(γ, p) Levels
0 Kelvin Cross Sections



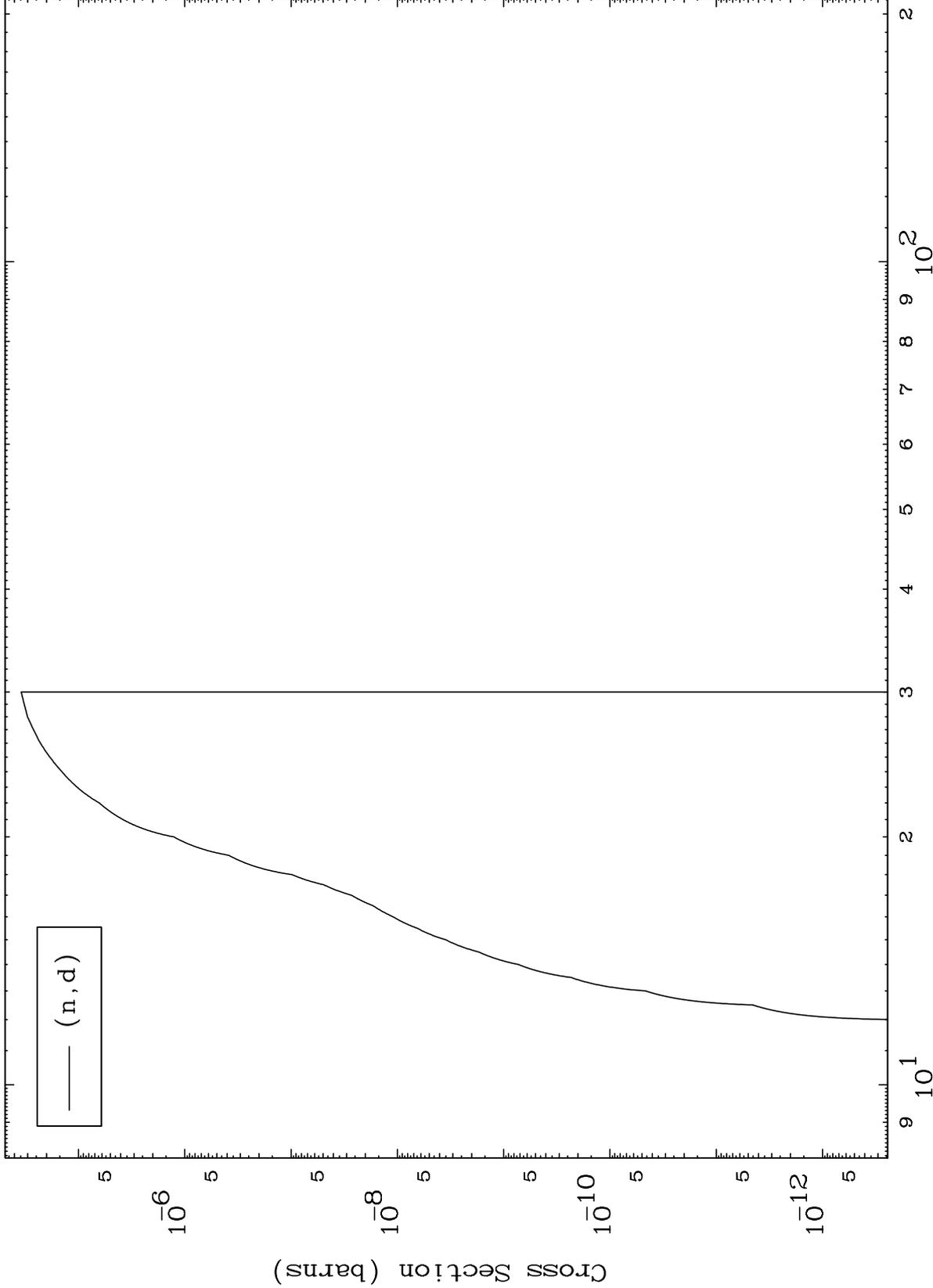
83-Bi-199m

Incident Energy (MeV)

MAT 8296

(γ, d) Levels
0 Kelvin Cross Sections

83-Bi-199m



8

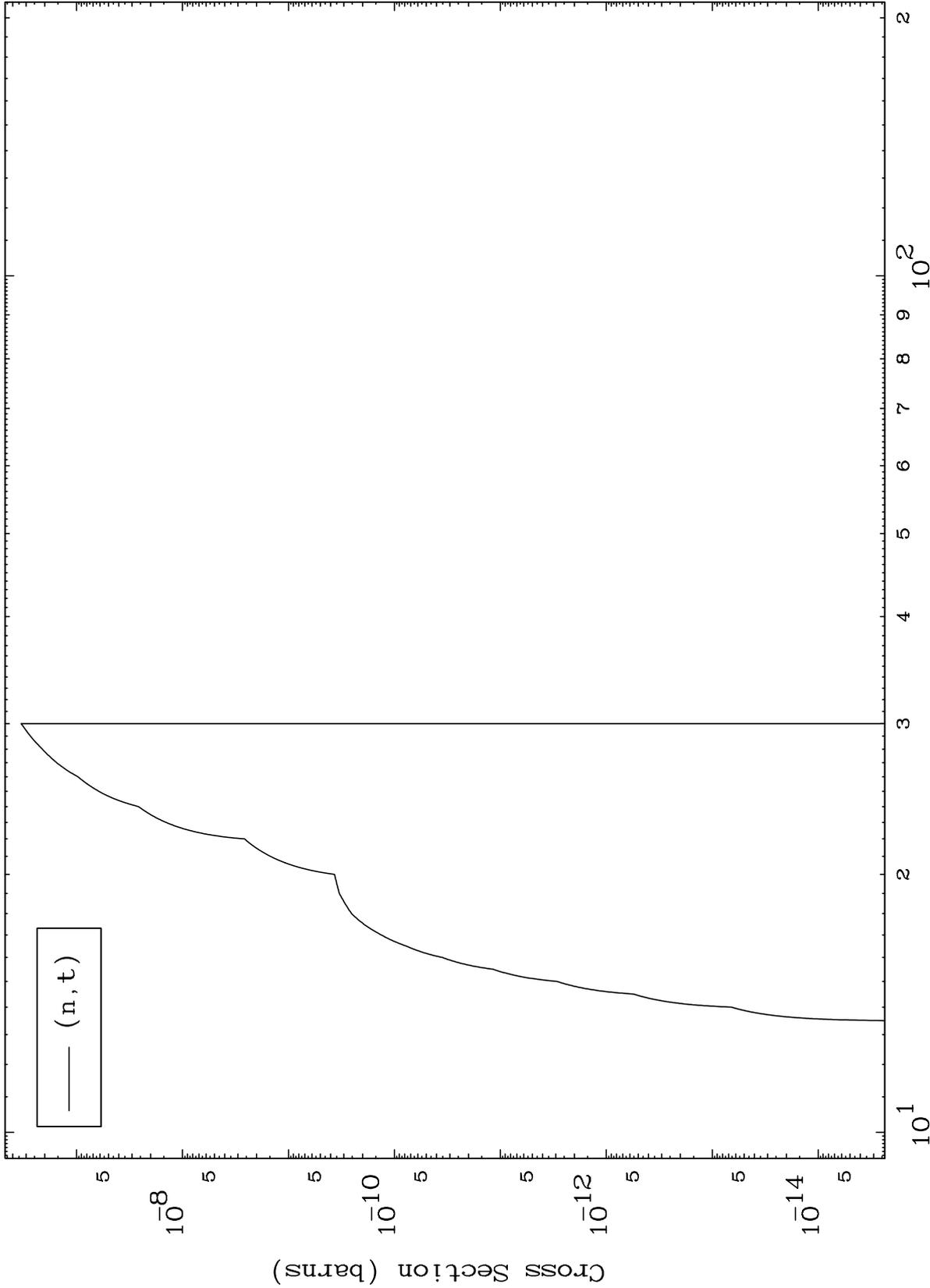
Incident Energy (MeV)

83-Bi-199m

MAT 8296

(γ, t) Levels
0 Kelvin Cross Sections

83-Bi-199m



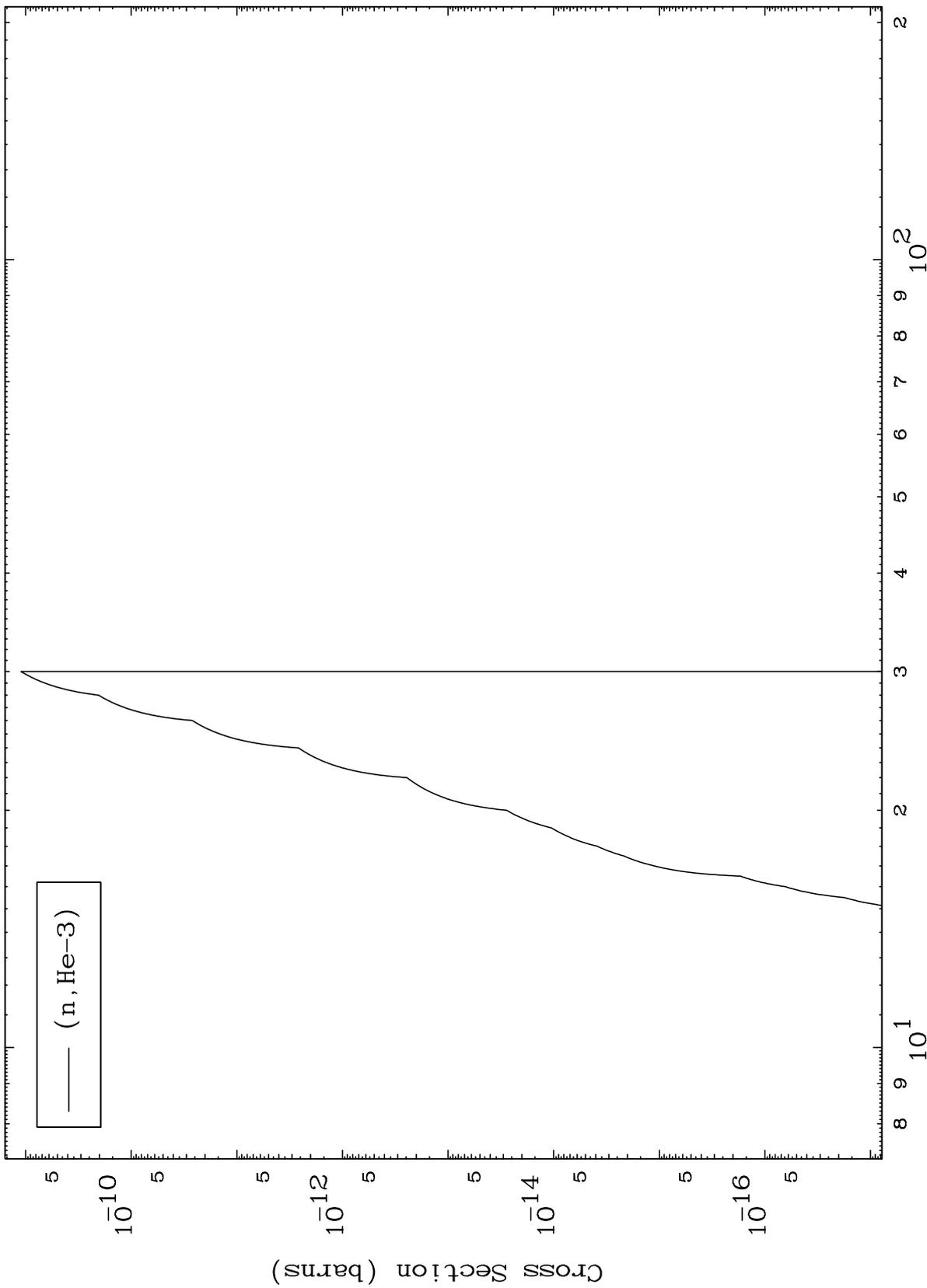
Incident Energy (MeV)

83-Bi-199m

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83-Bi-199m

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections



83-Bi-199m

Incident Energy (MeV)

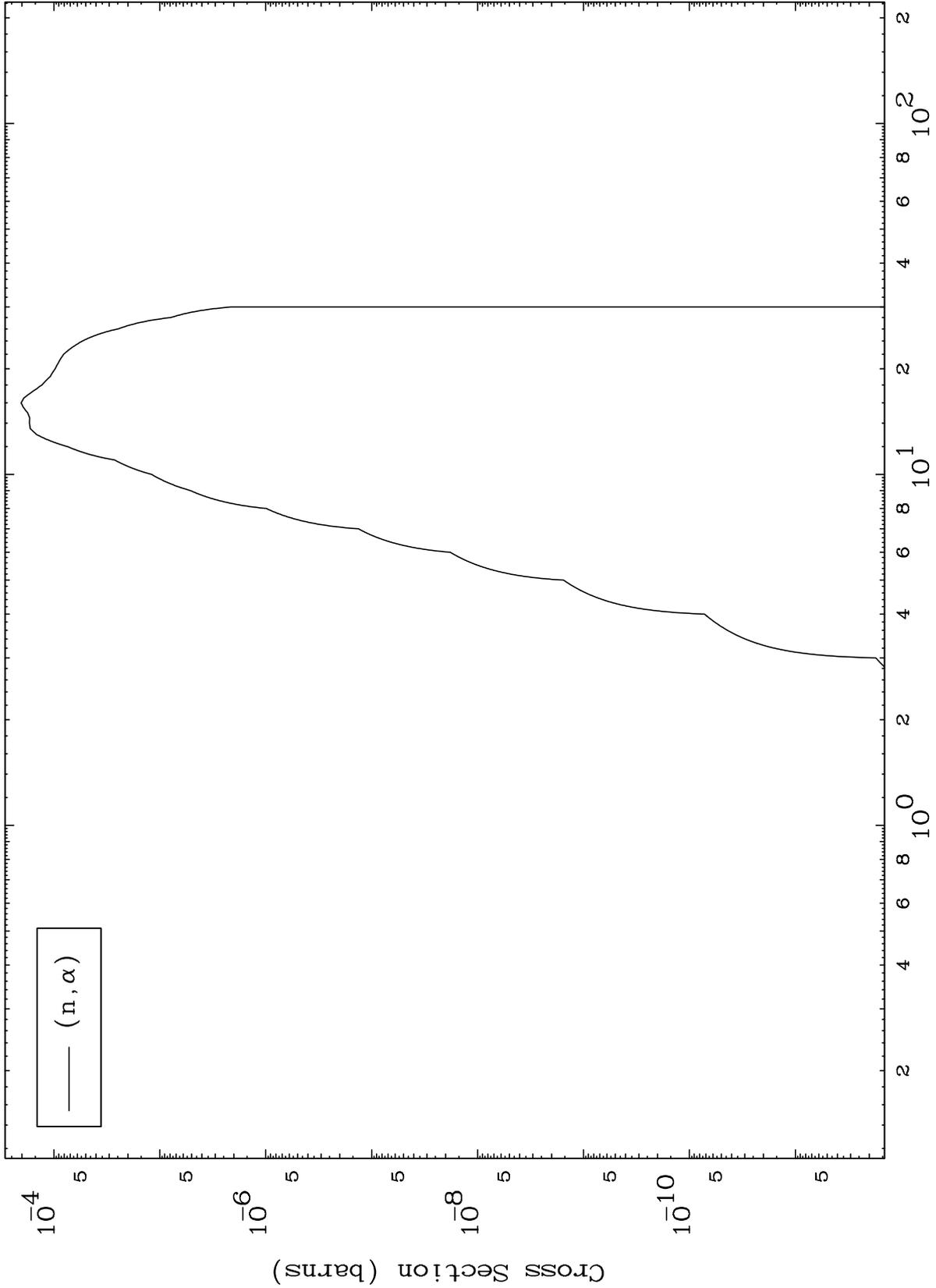
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(γ, α) Levels

83-Bi-199m

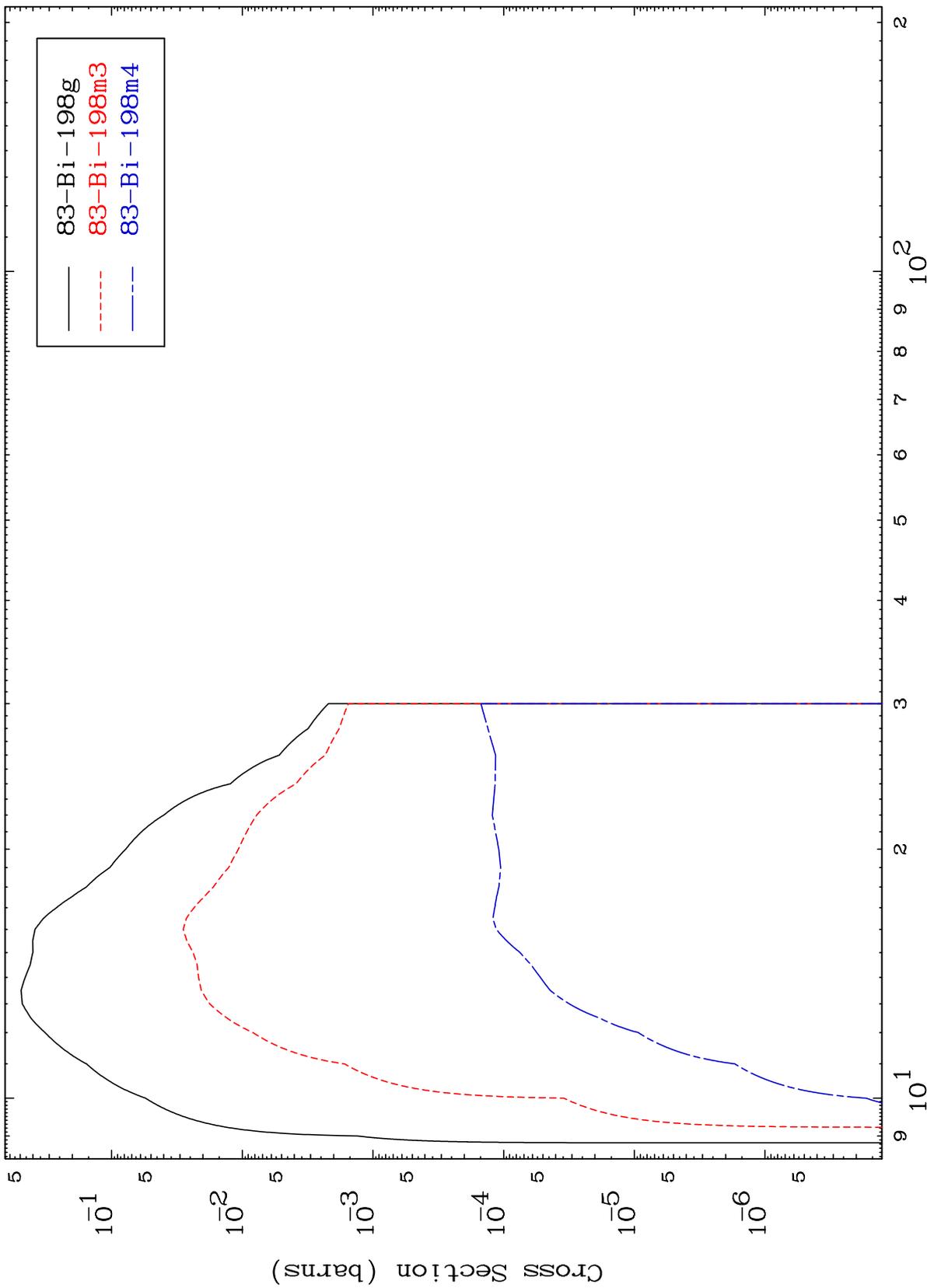
0 Kelvin Cross Sections



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83-Bi-199m

Inelastic
Radionuclide Production Cross Section



83-Bi-199m

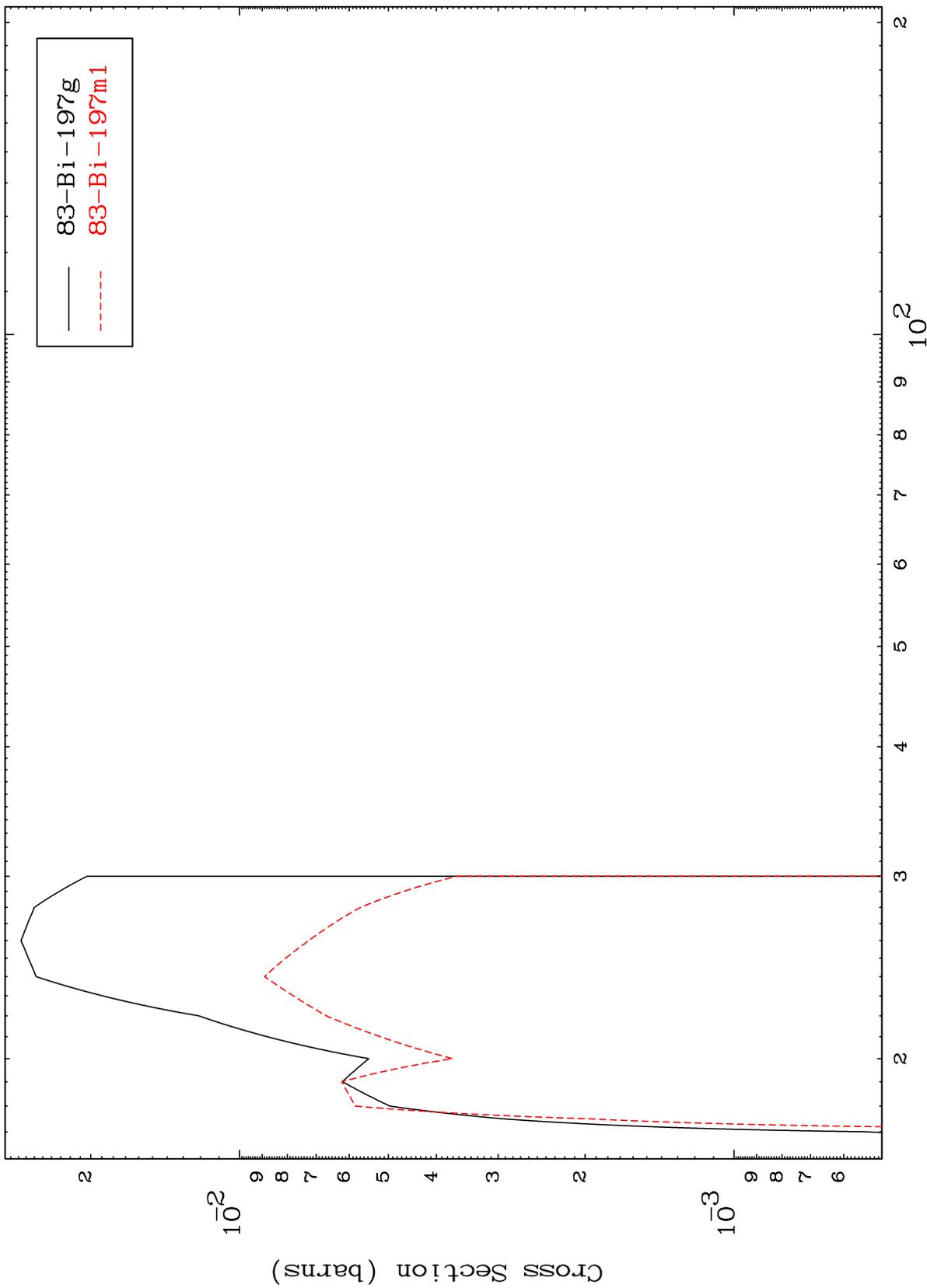
Incident Energy (MeV)

12

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83-Bi-199m

(n,2n)
Radionuclide Production Cross Section



83-Bi-199m

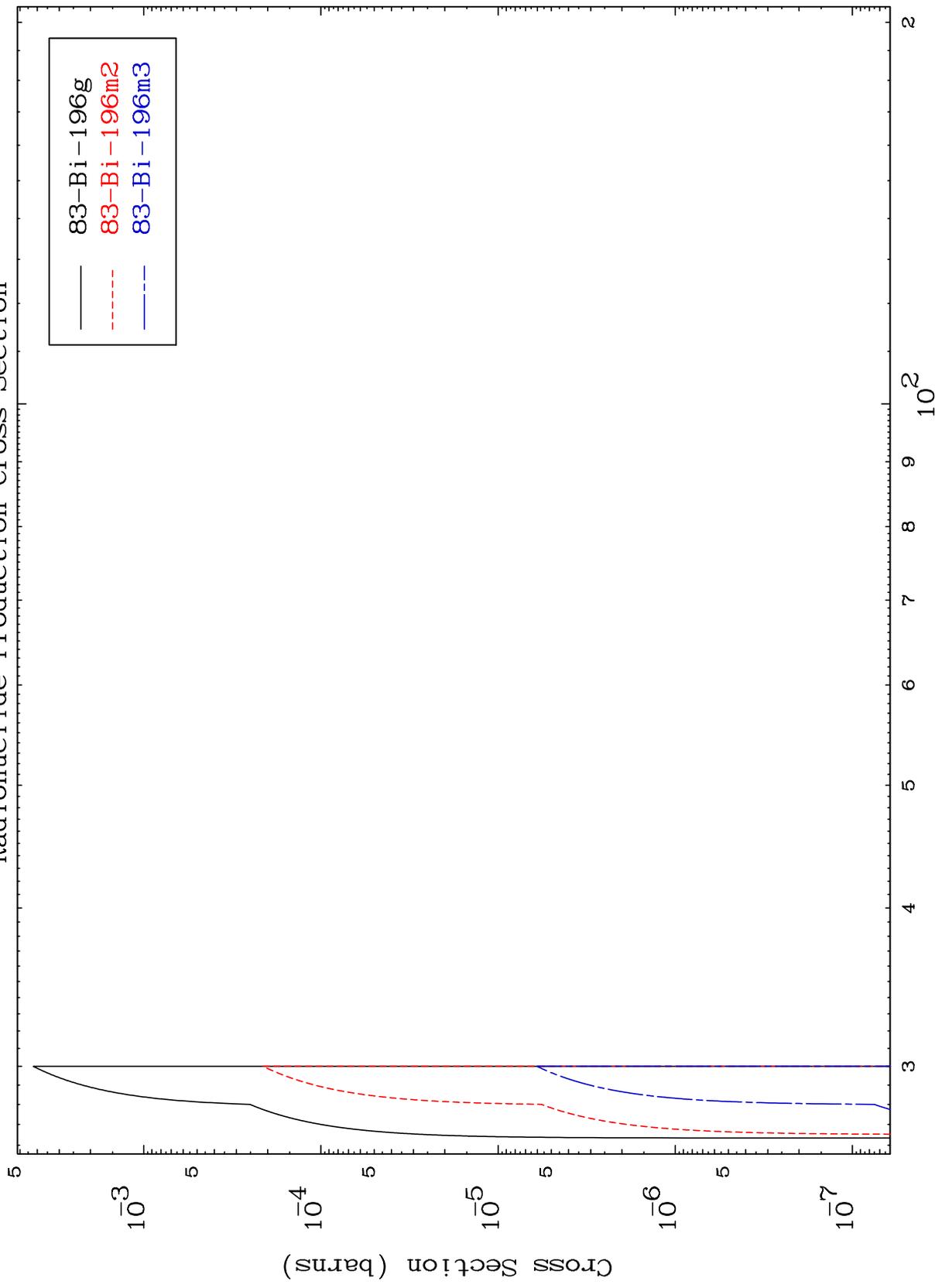
Incident Energy (MeV)

13

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⁸³Bi-199m

(n,3n)
Radionuclide Production Cross Section



14

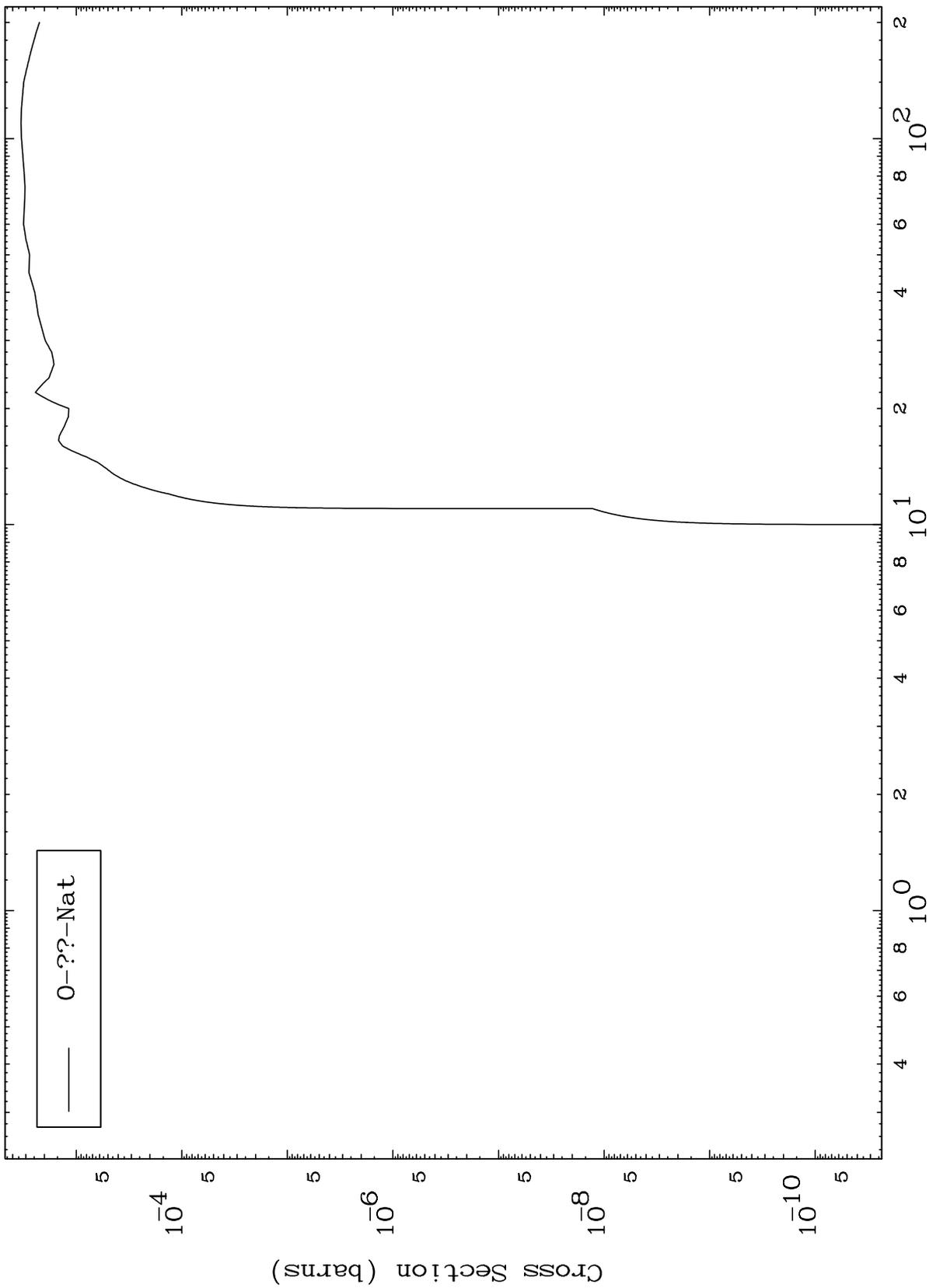
⁸³Bi-199m

Incident Energy (MeV)

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83-Bi-199m

Fission
Radionuclide Production Cross Section



83-Bi-199m

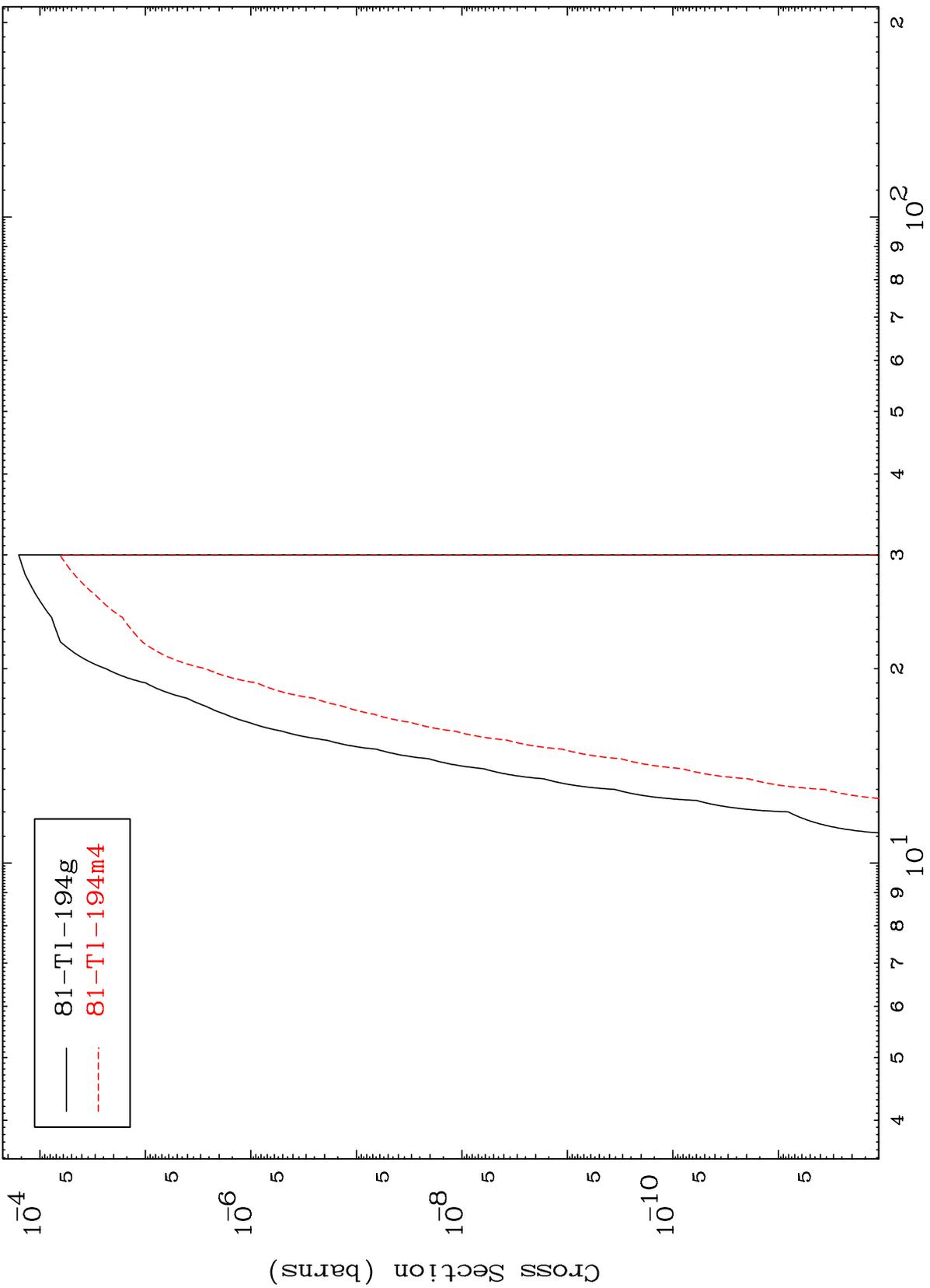
Incident Energy (MeV)

MAT 8296

$(n, n') \alpha$

$^{83}\text{Bi}-199\text{m}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

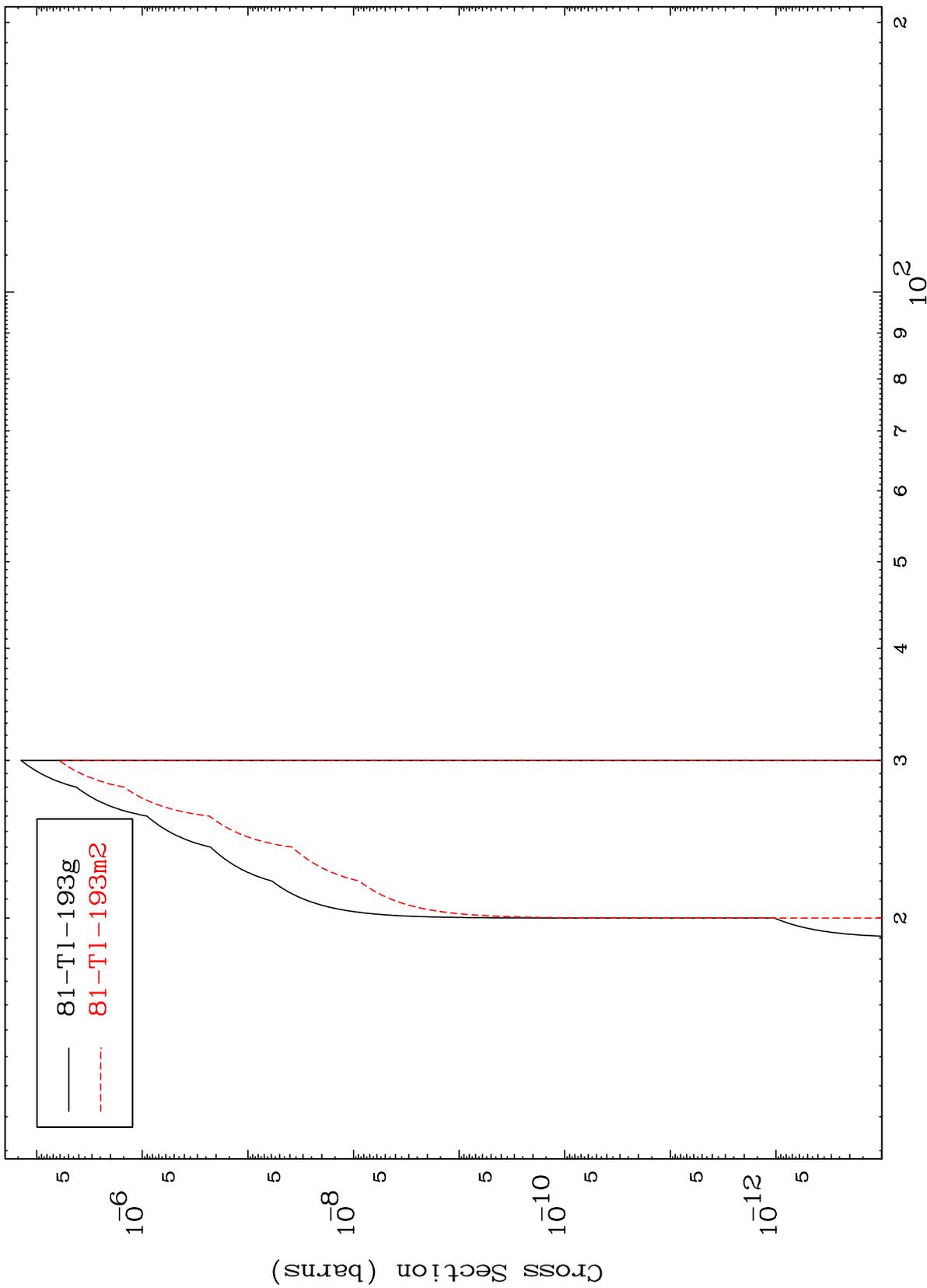
$^{83}\text{Bi}-199\text{m}$

MAT 8296

(n,2n) α

83-Bi-199m

Radionuclide Production Cross Section

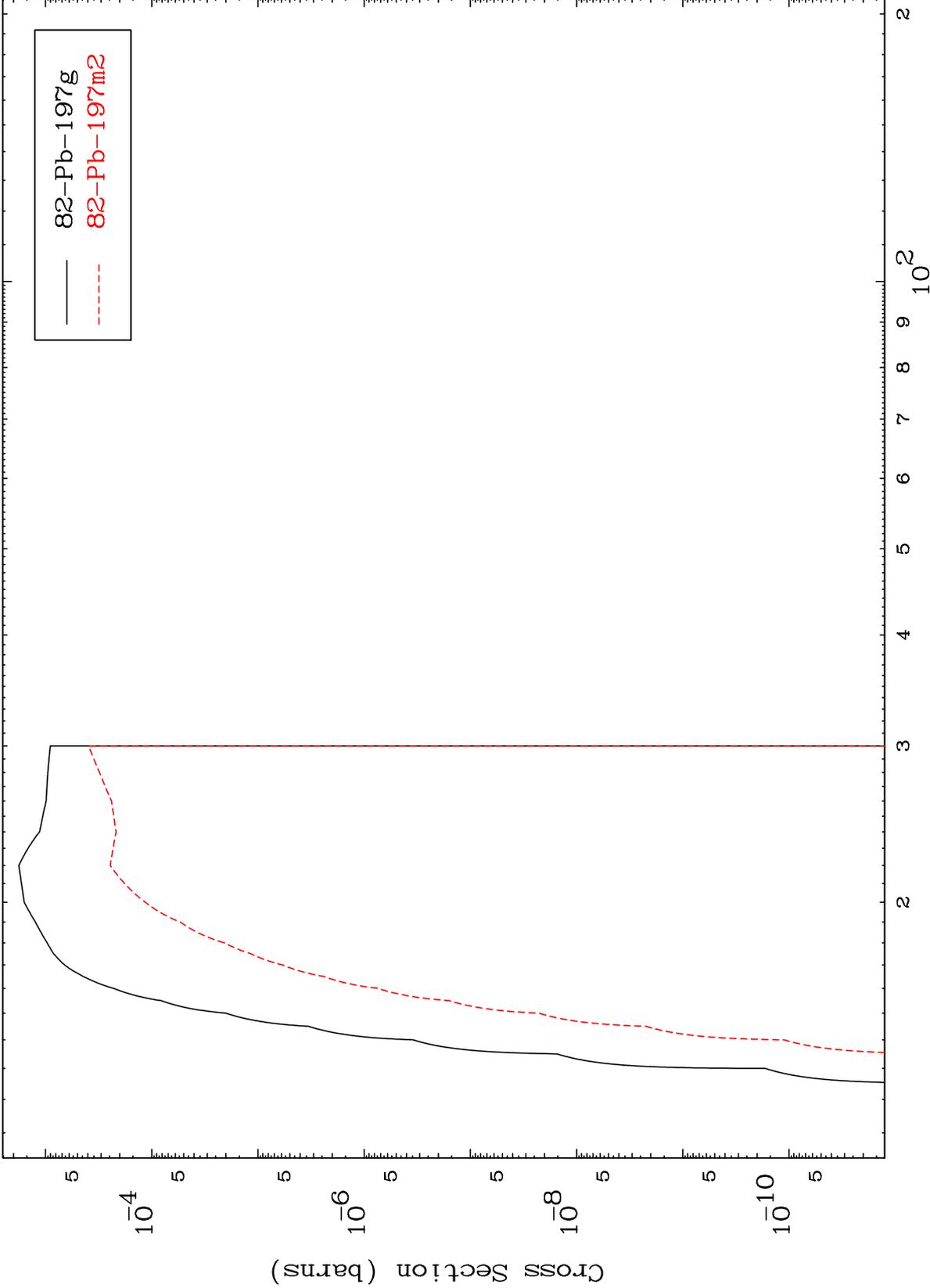


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(n,n') p

83-Bi-199m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

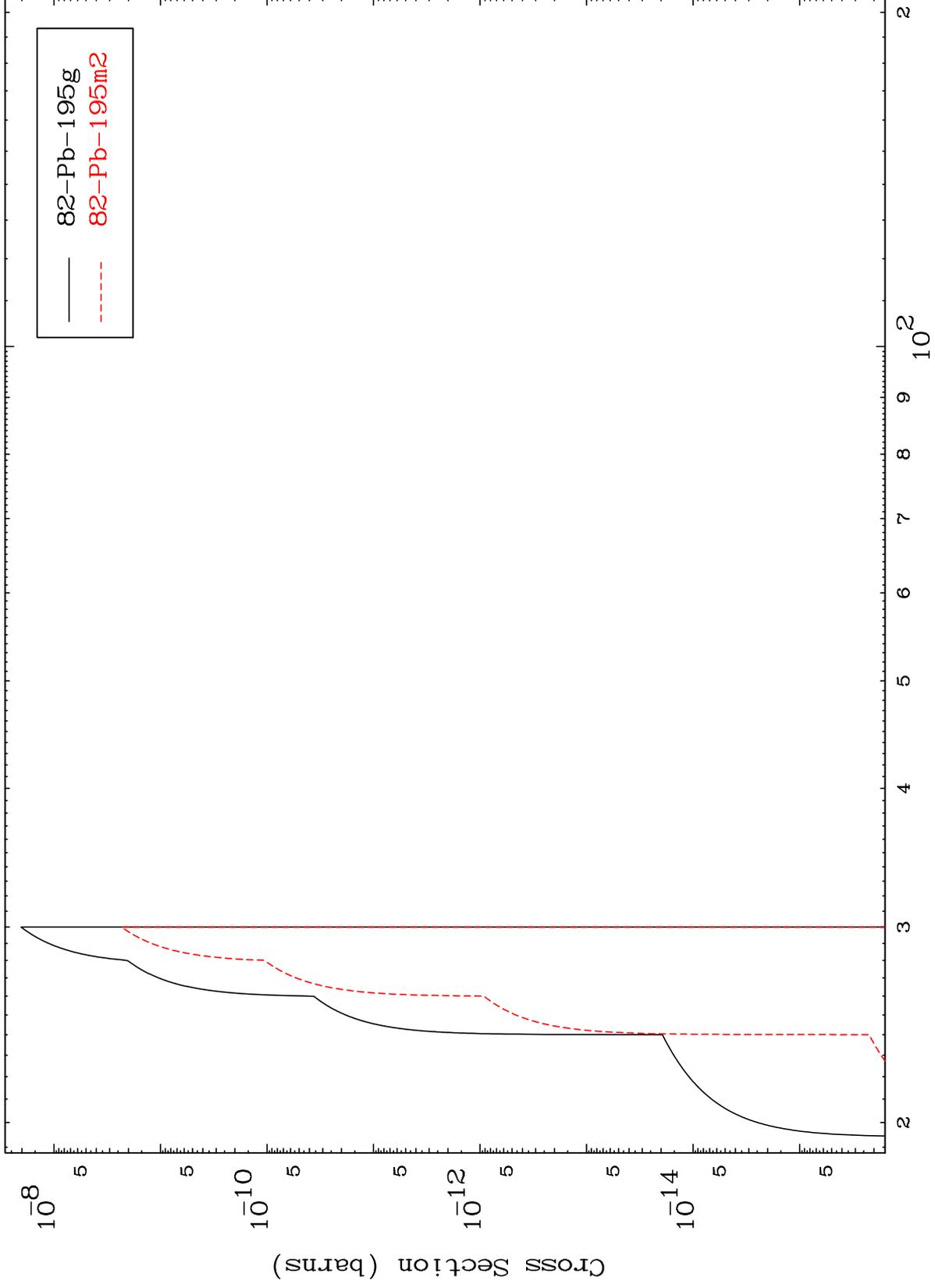
83-Bi-199m

MAT 8296

(n,n') t

83-Bi-199m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

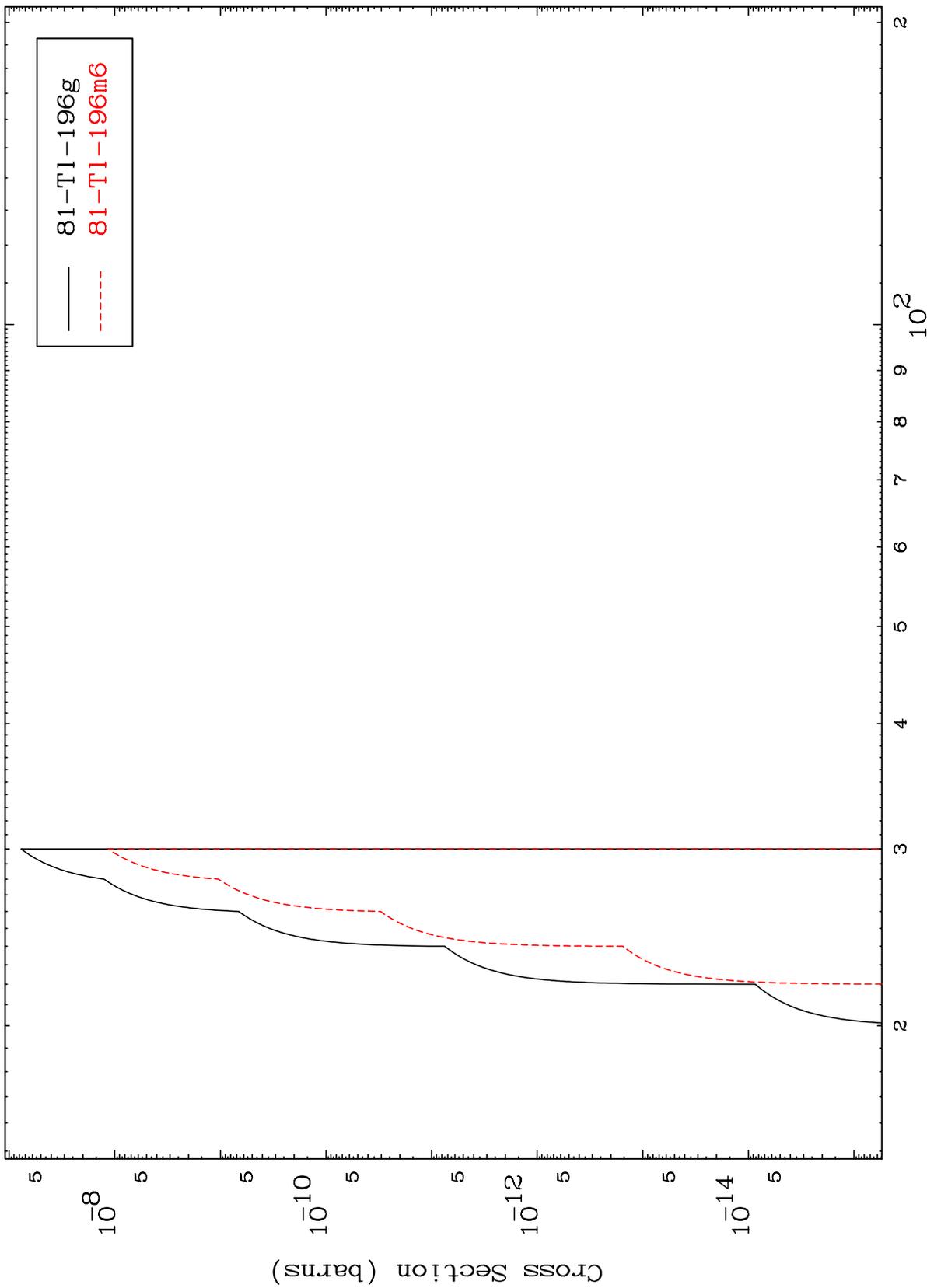
83-Bi-199m

MAT 8296

(n,2n) p

83-Bi-199m

Radionuclide Production Cross Section



20

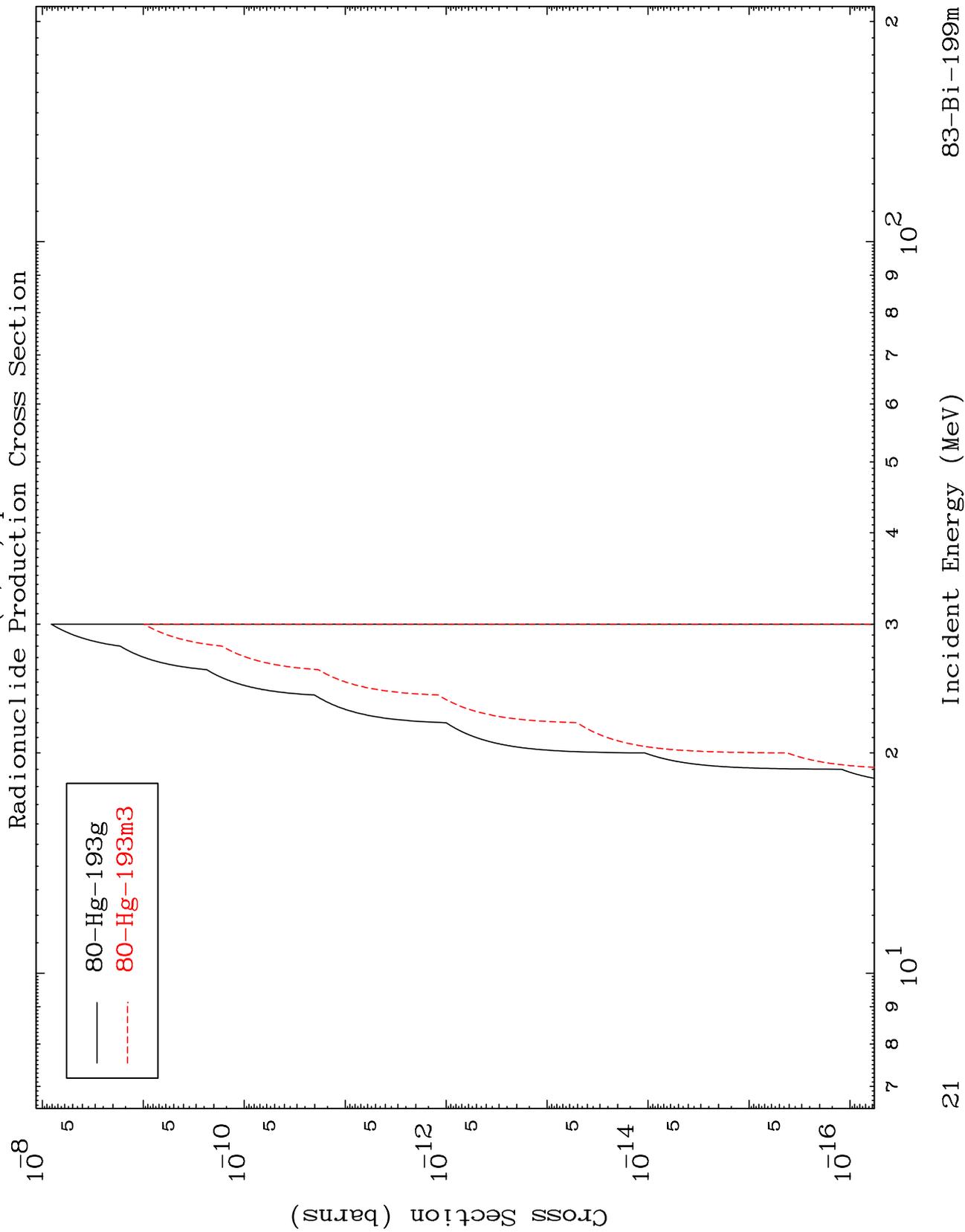
Incident Energy (MeV)

83-Bi-199m

MAT 8296

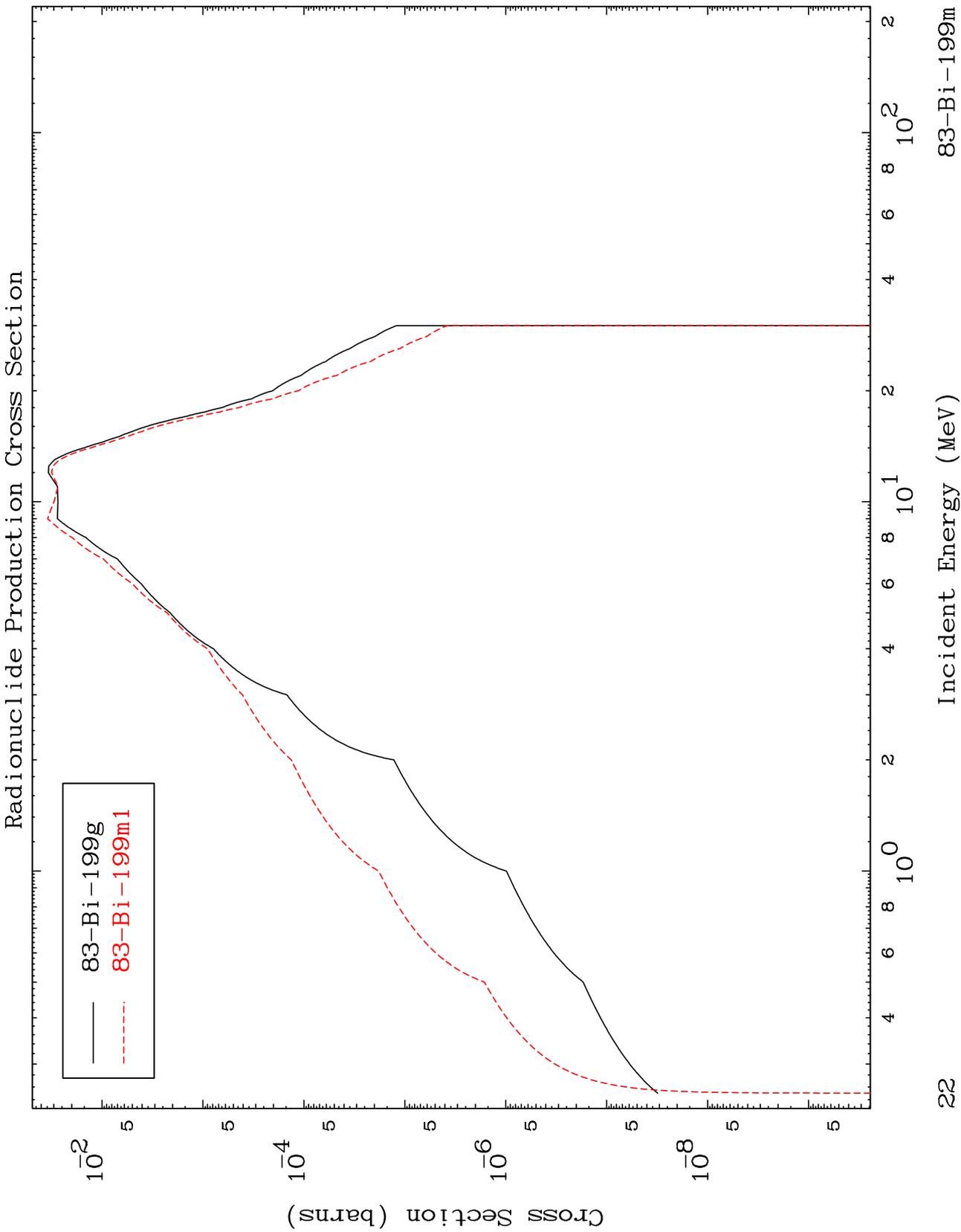
(n,n') p α

83-Bi-199m



MAT 8296

$^{83}\text{Bi}-199\text{m}$

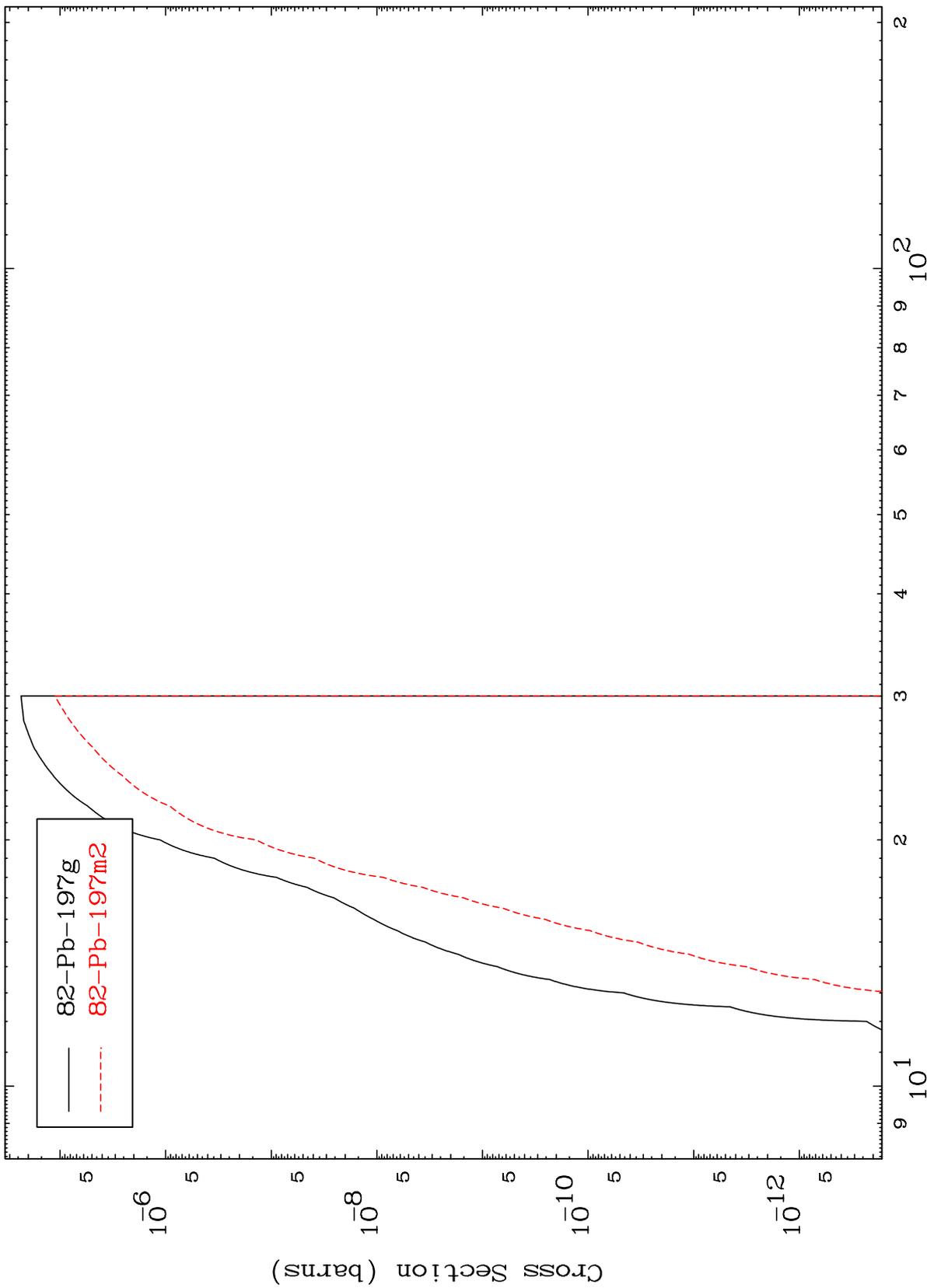


— $^{83}\text{Bi}-199\text{g}$
- - - $^{83}\text{Bi}-199\text{m1}$

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⁸³Bi-199m

(n,d)
Radionuclide Production Cross Section



— 82-Pb-197g
- - - 82-Pb-197m2

⁸³Bi-199m

Incident Energy (MeV)

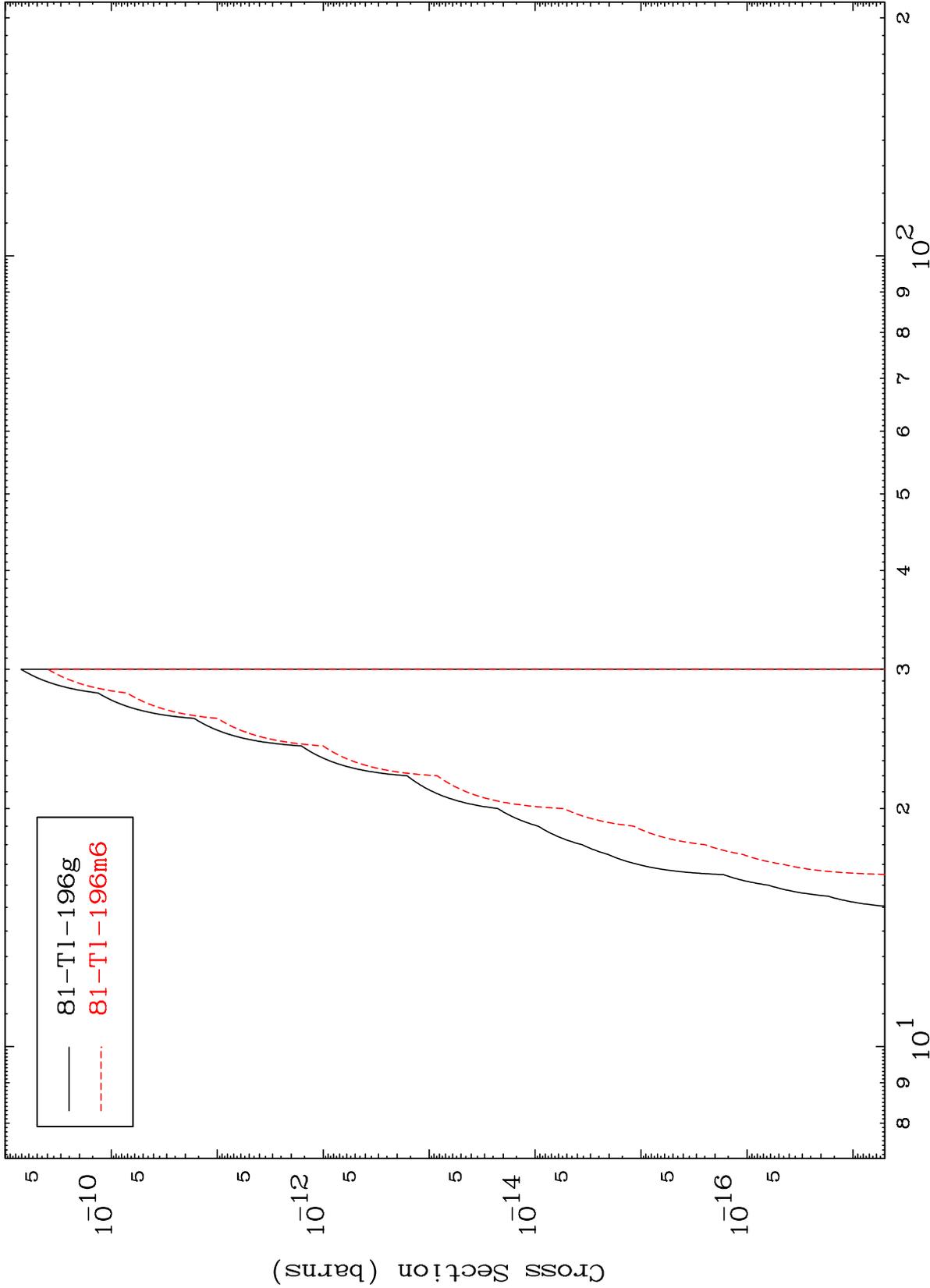
23

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(n,He-3)

83-Bi-199m

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

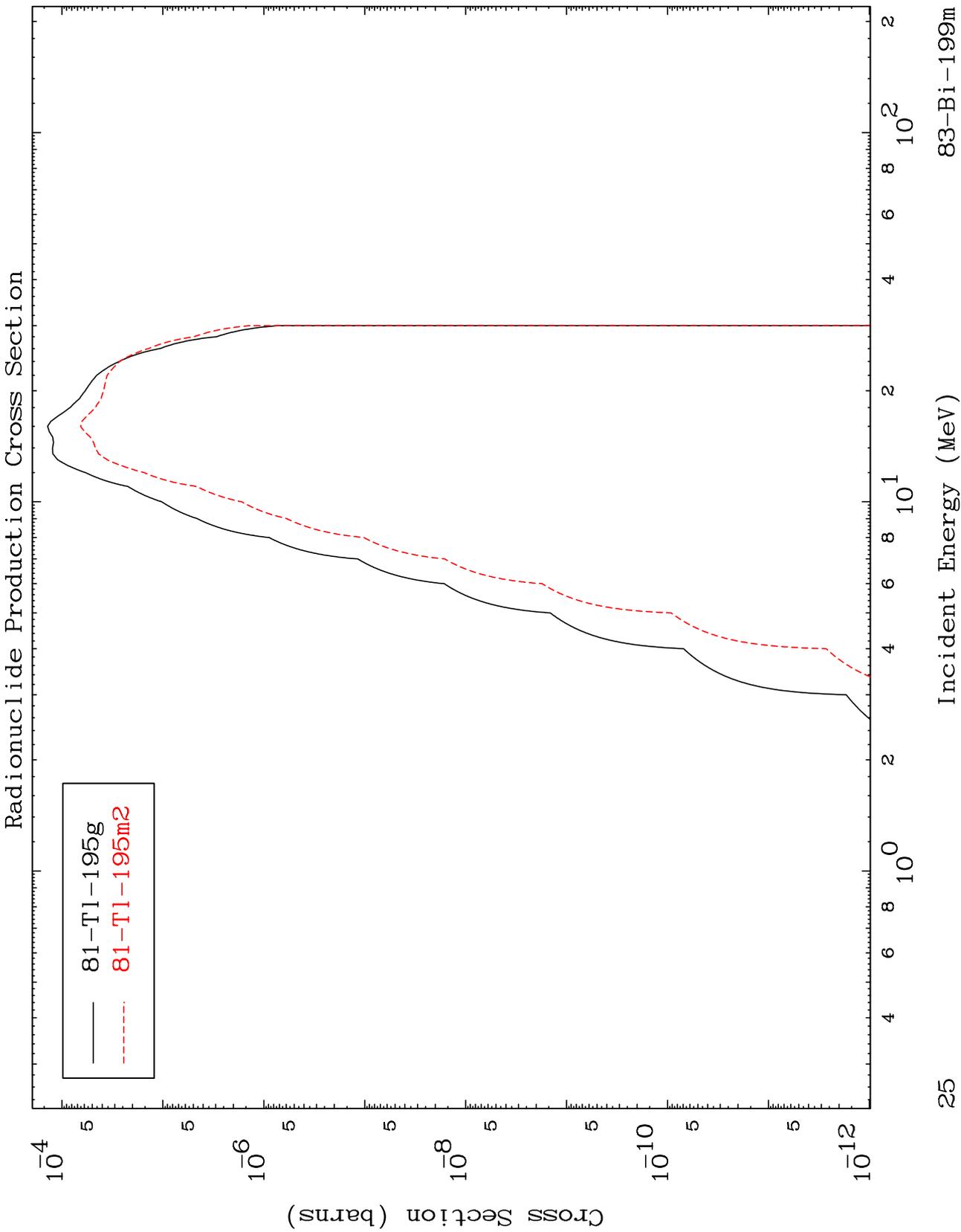
24

Incident Energy (MeV)

83-Bi-199m

MAT 8296

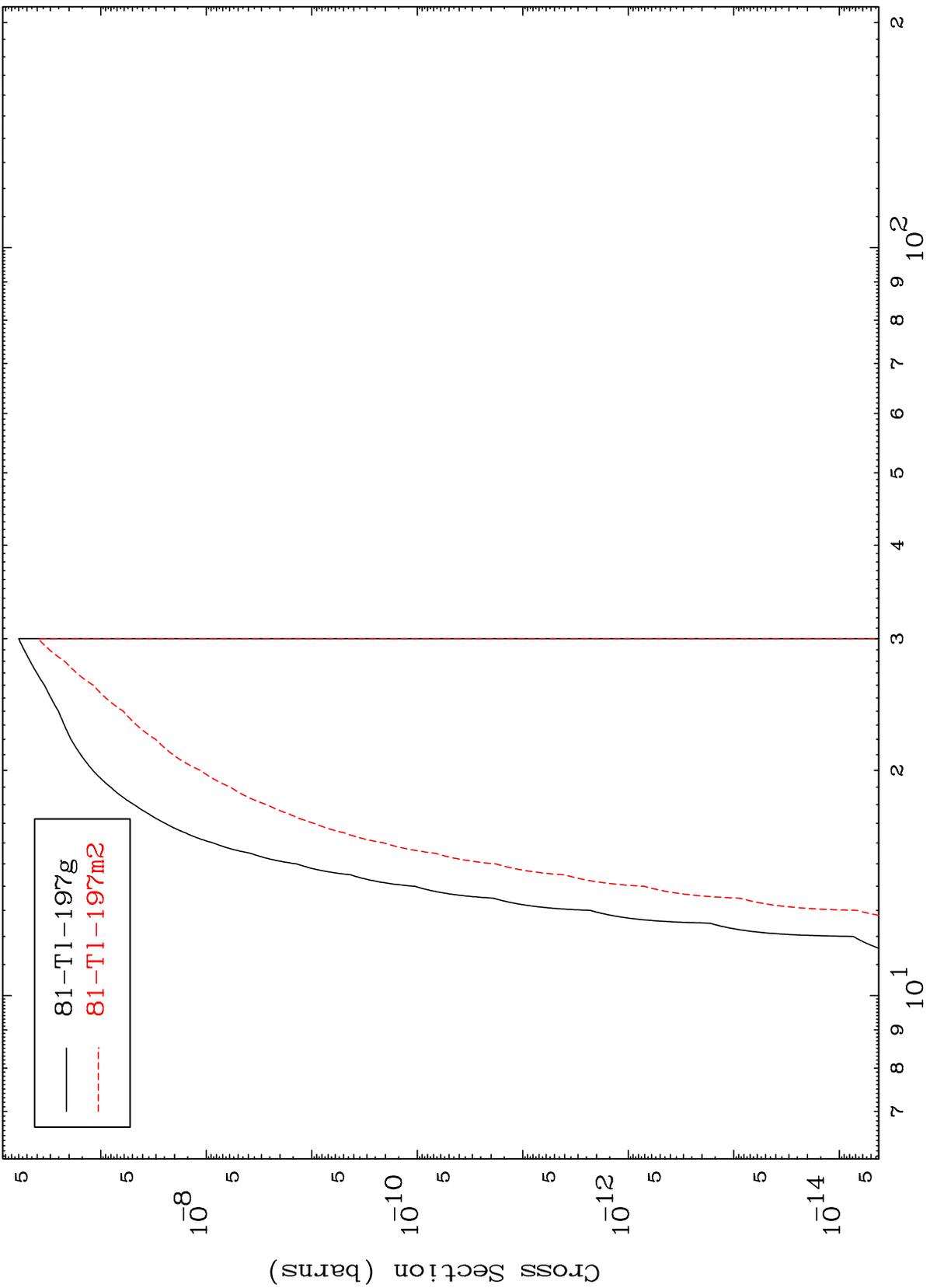
⁸³Bi-199m



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83-Bi-199m

Radionuclide Production Cross Section (n,2p)



26

Incident Energy (MeV)

83-Bi-199m

MAT 8296

(n,p) d

83-Bi-199m

Radionuclide Production Cross Section

