

Program EVALPLOT
(Version 2021-1)

by

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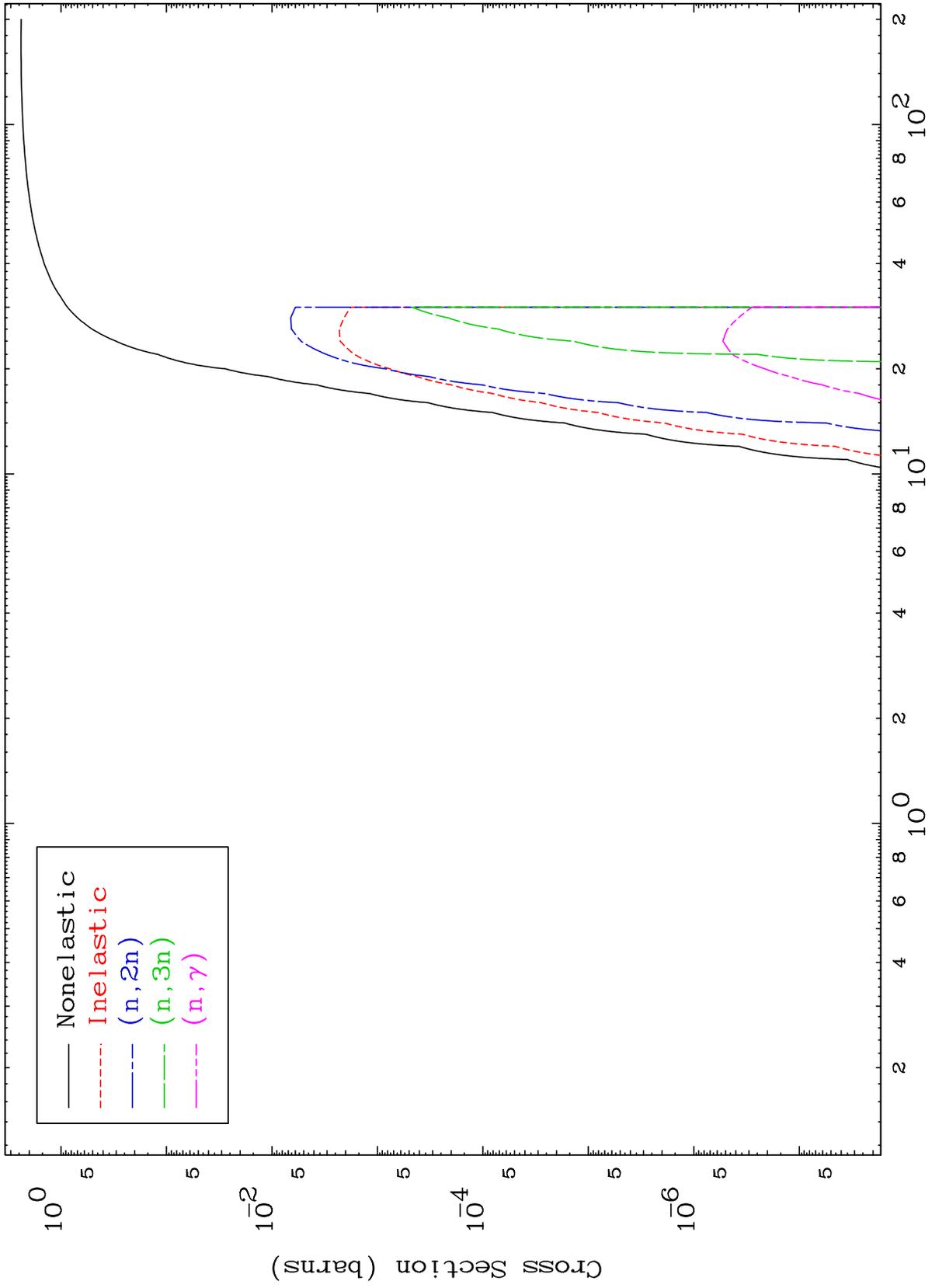
Press Mouse Button to Start

MAT 8296

He-3 Major

83-Bi-199m

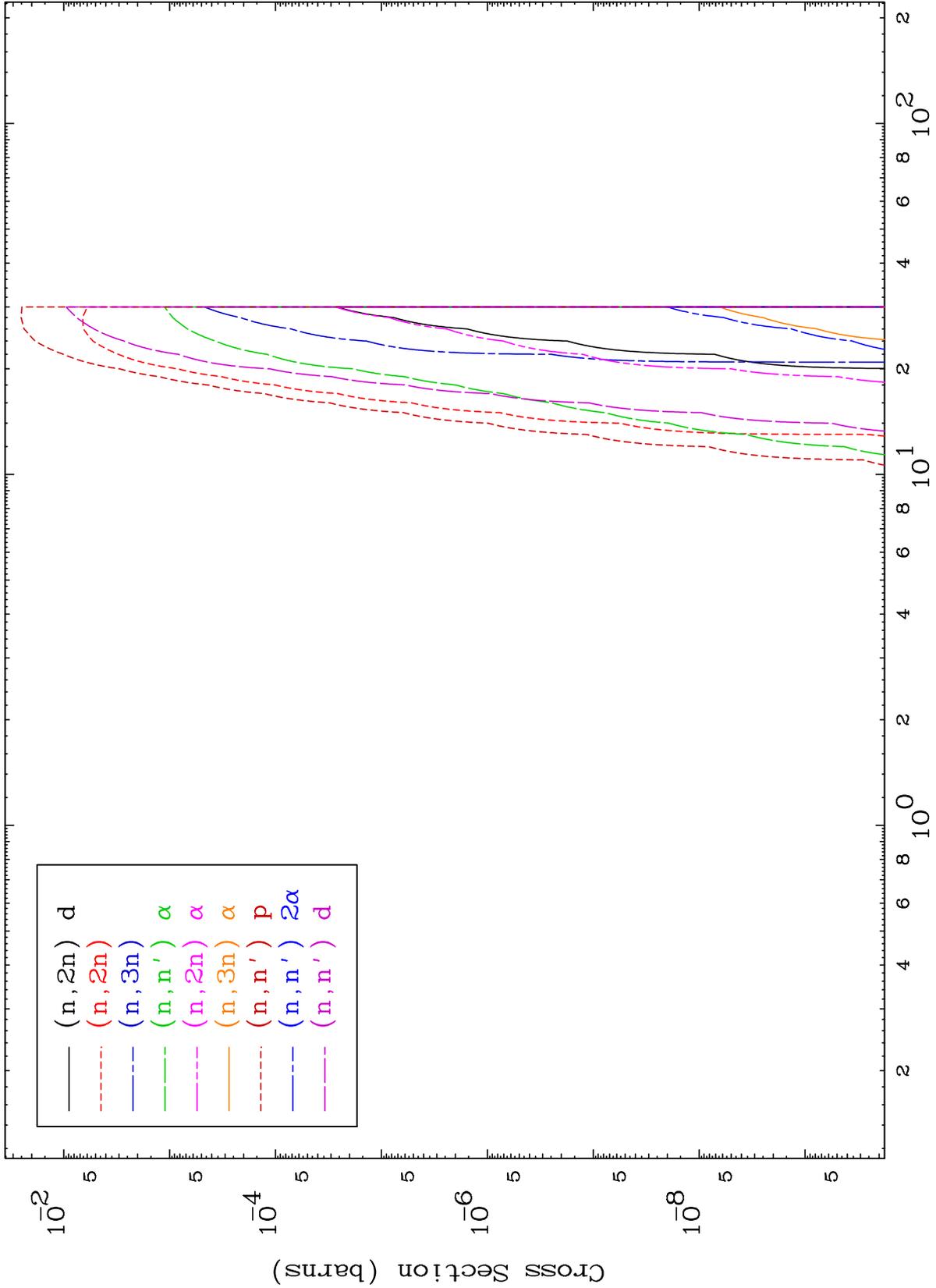
0 Kelvin Cross Sections



MAT 8296

He-3 Neutron Absorption
0 Kelvin Cross Sections

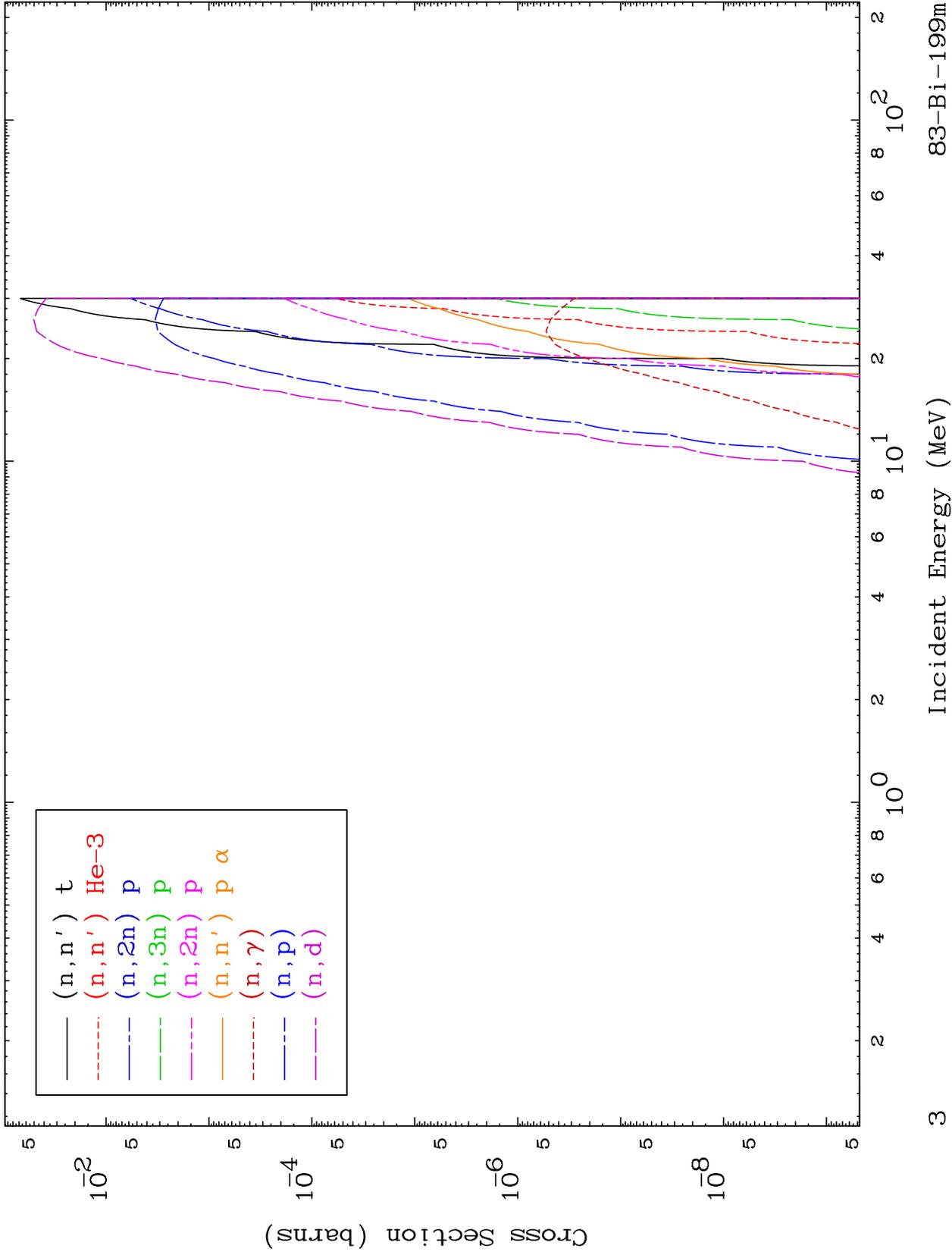
83-Bi-199m



MAT 8296

He-3 Neutron Absorption
0 Kelvin Cross Sections

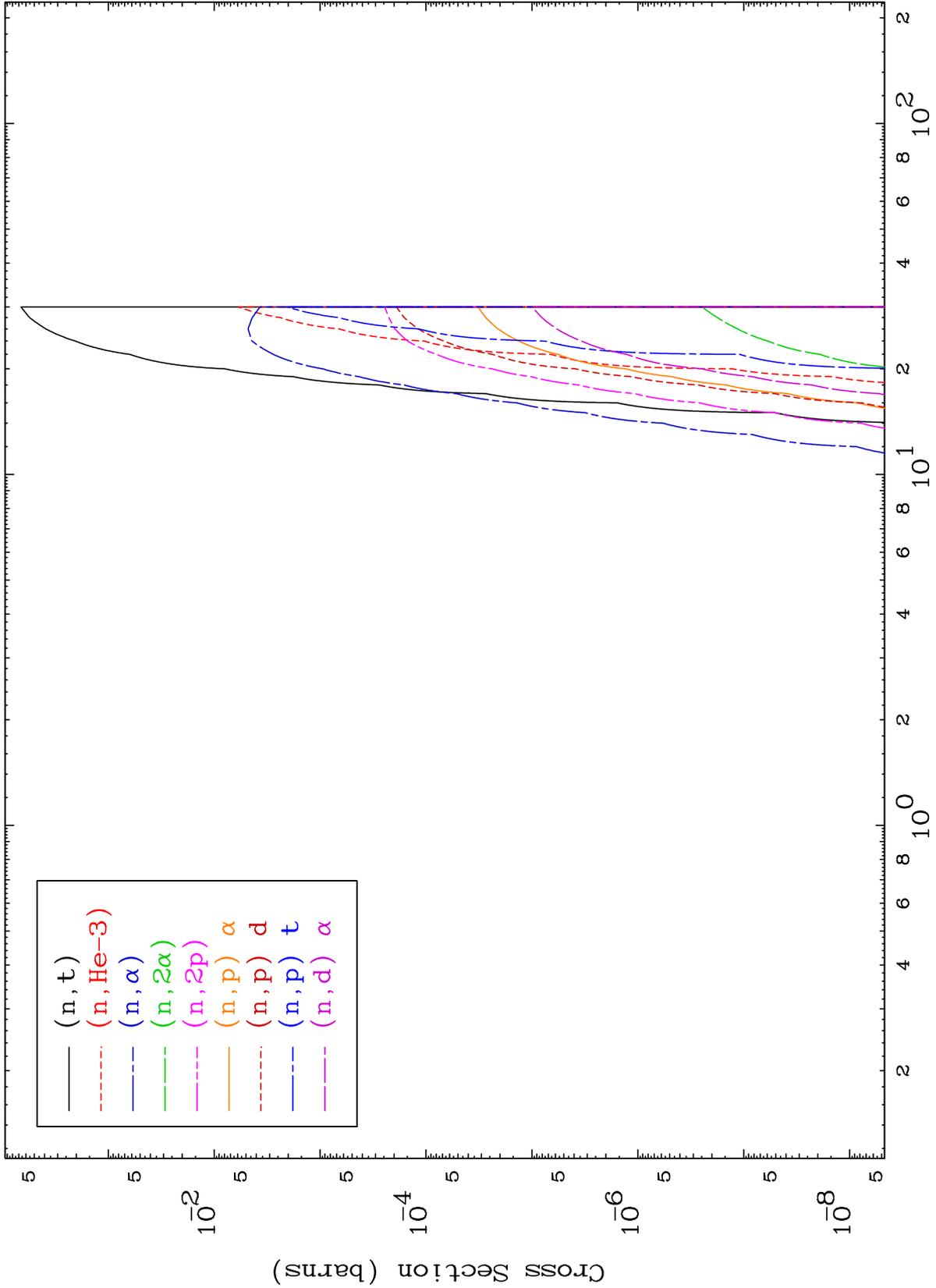
83-Bi-199m



MAT 8296

He-3 Neutron Absorption
0 Kelvin Cross Sections

83-Bi-199m



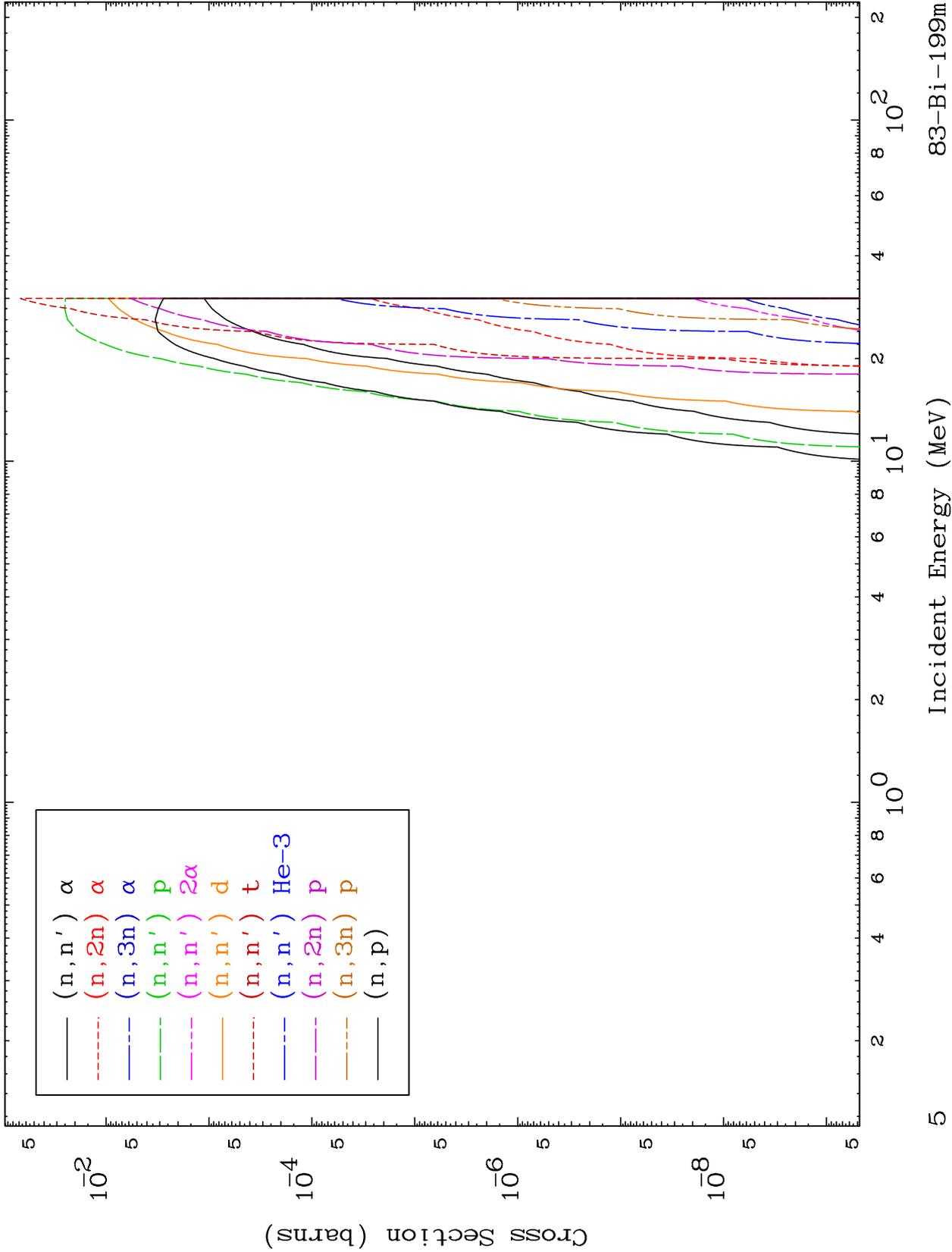
83-Bi-199m

Incident Energy (MeV)

MAT 8296

He-3 Charged Particle
0 Kelvin Cross Sections

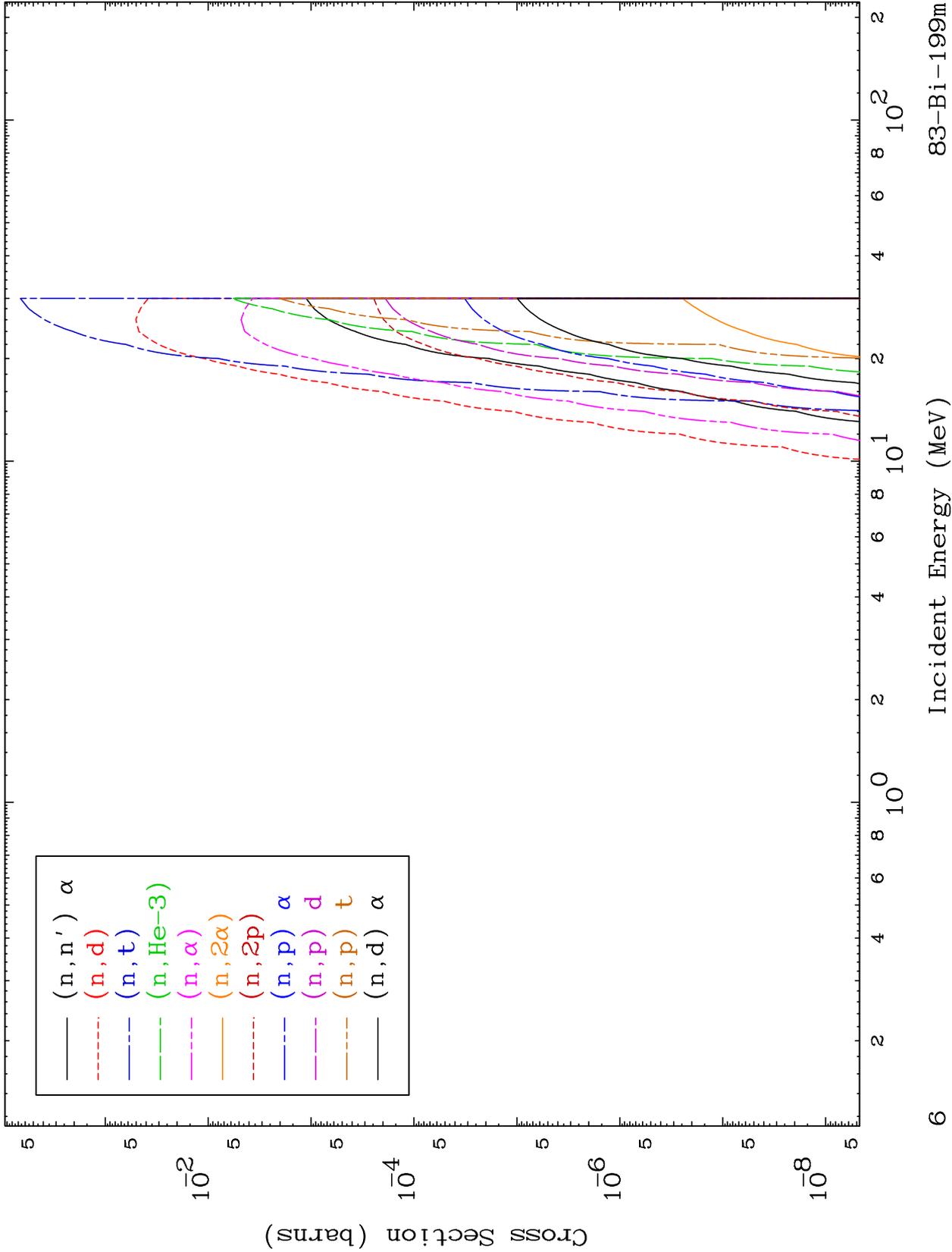
83-Bi-199m



MAT 8296

He-3 Charged Particle
0 Kelvin Cross Sections

83-Bi-199m

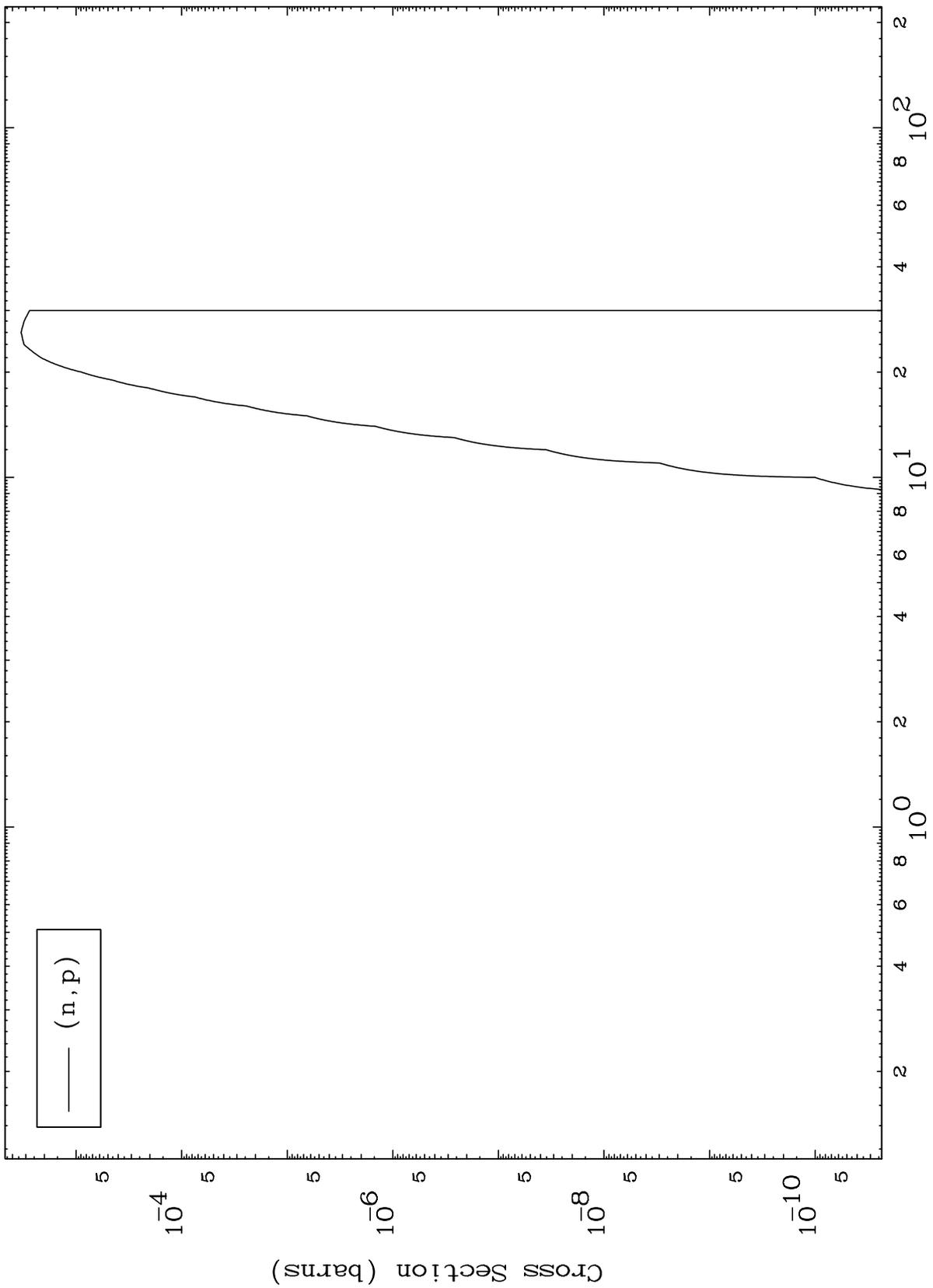


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(He-3,p) Levels

83-Bi-199m

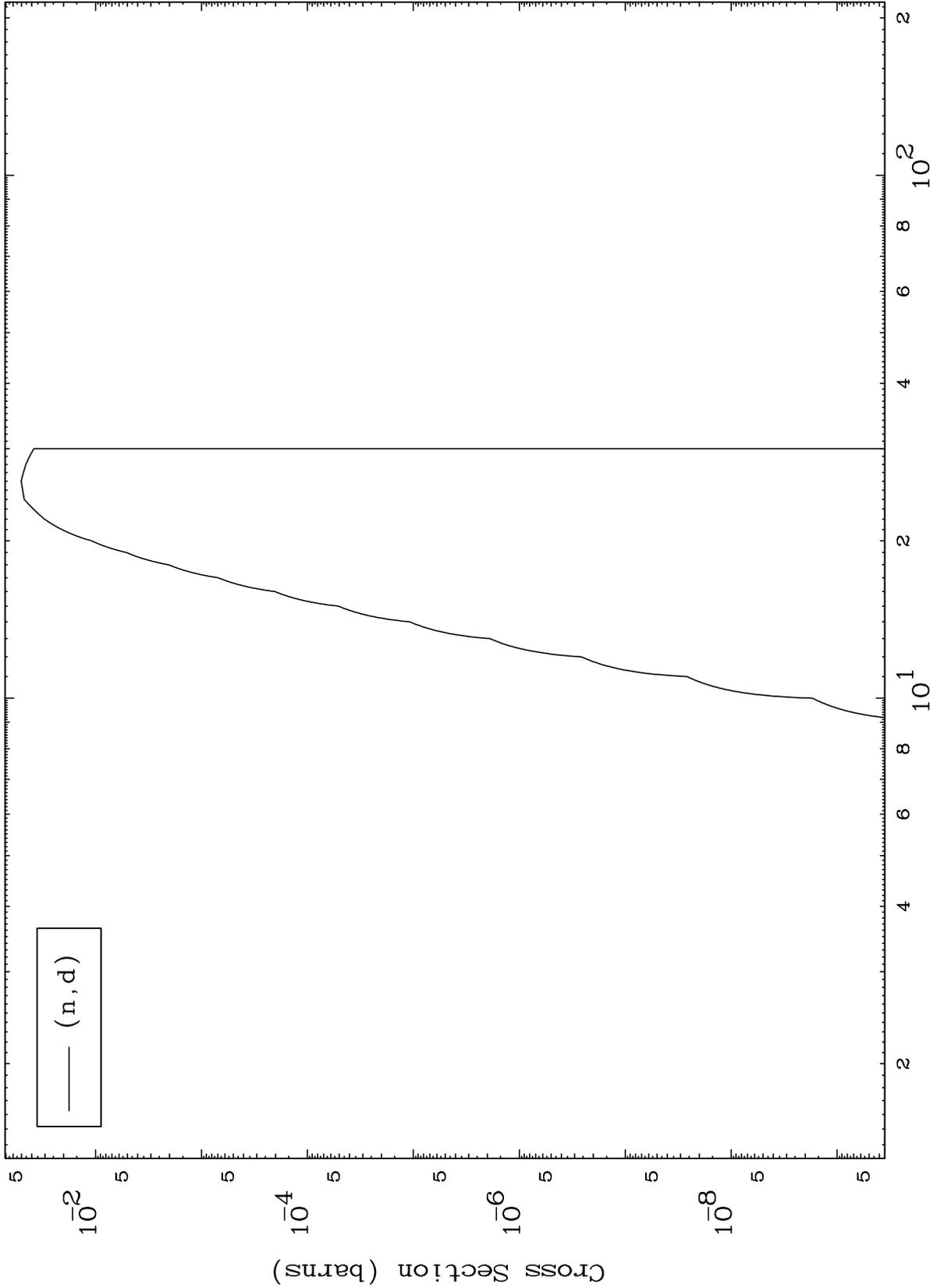
0 Kelvin Cross Sections



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(He-3,d) Levels
0 Kelvin Cross Sections

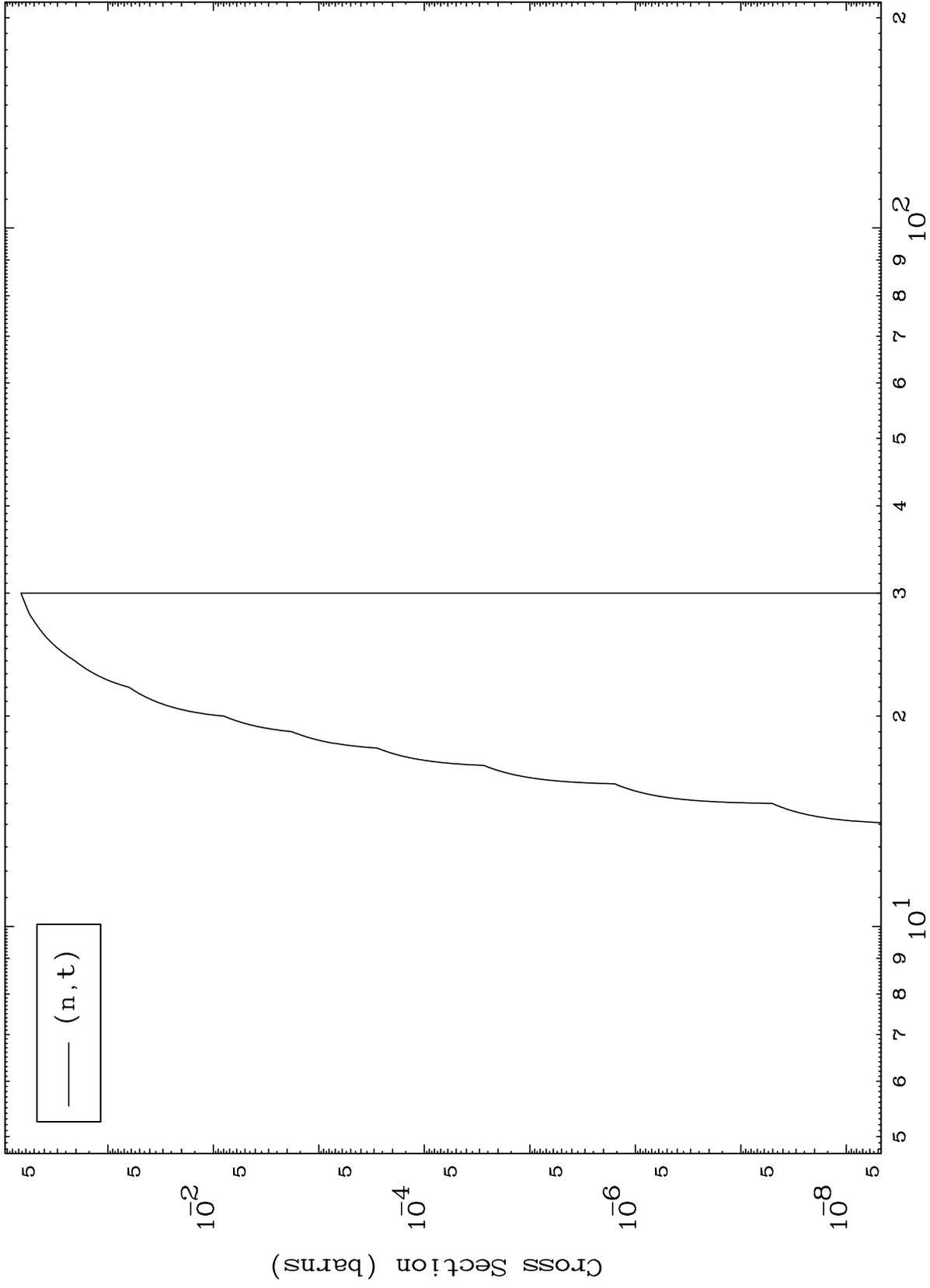
83-Bi-199m



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(He-3,t) Levels
0 Kelvin Cross Sections

83-Bi-199m



9

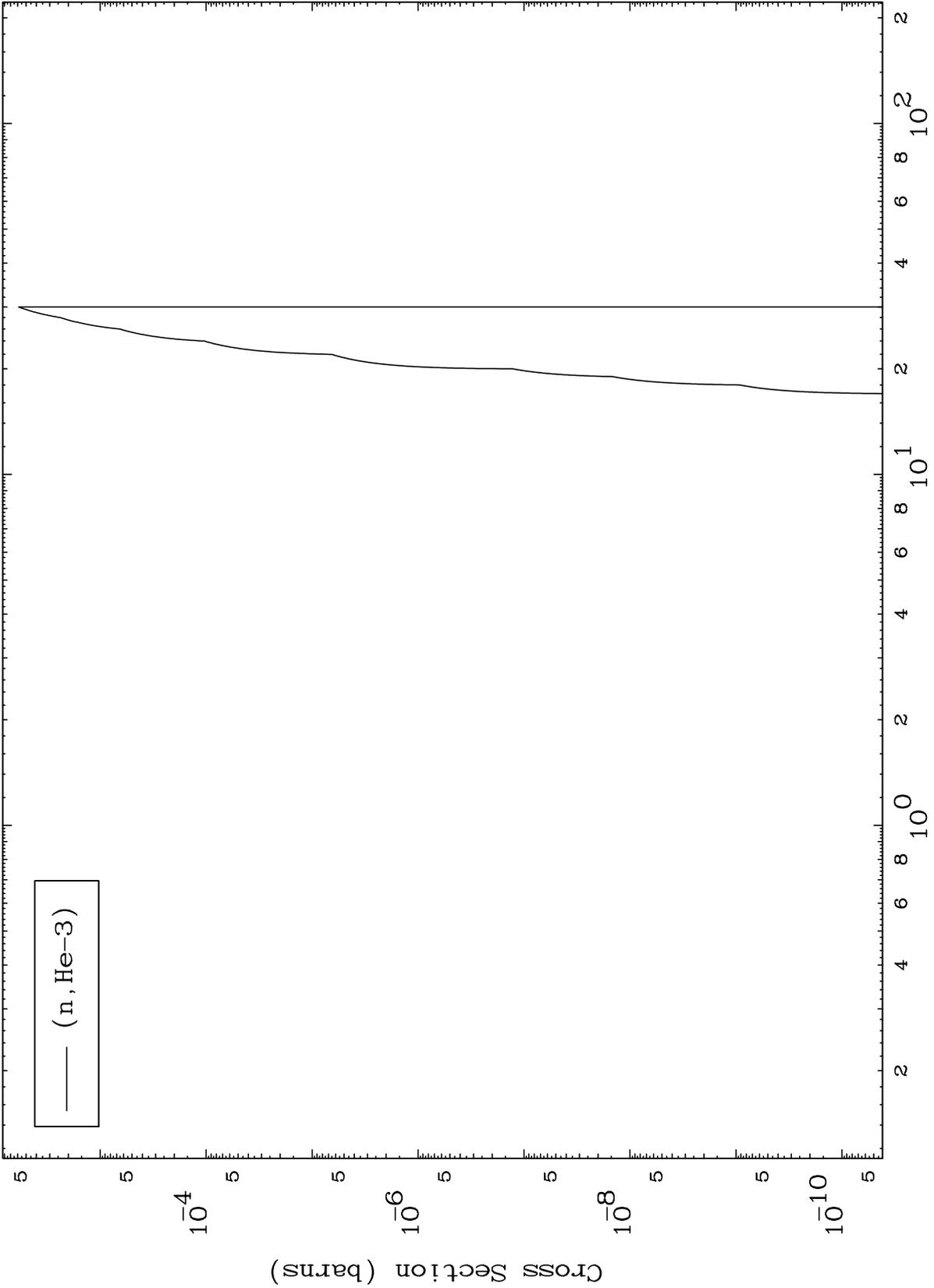
Incident Energy (MeV)

83-Bi-199m

MAT 8296

(He-3, He3) Levels
0 Kelvin Cross Sections

83-Bi-199m



10

Incident Energy (MeV)

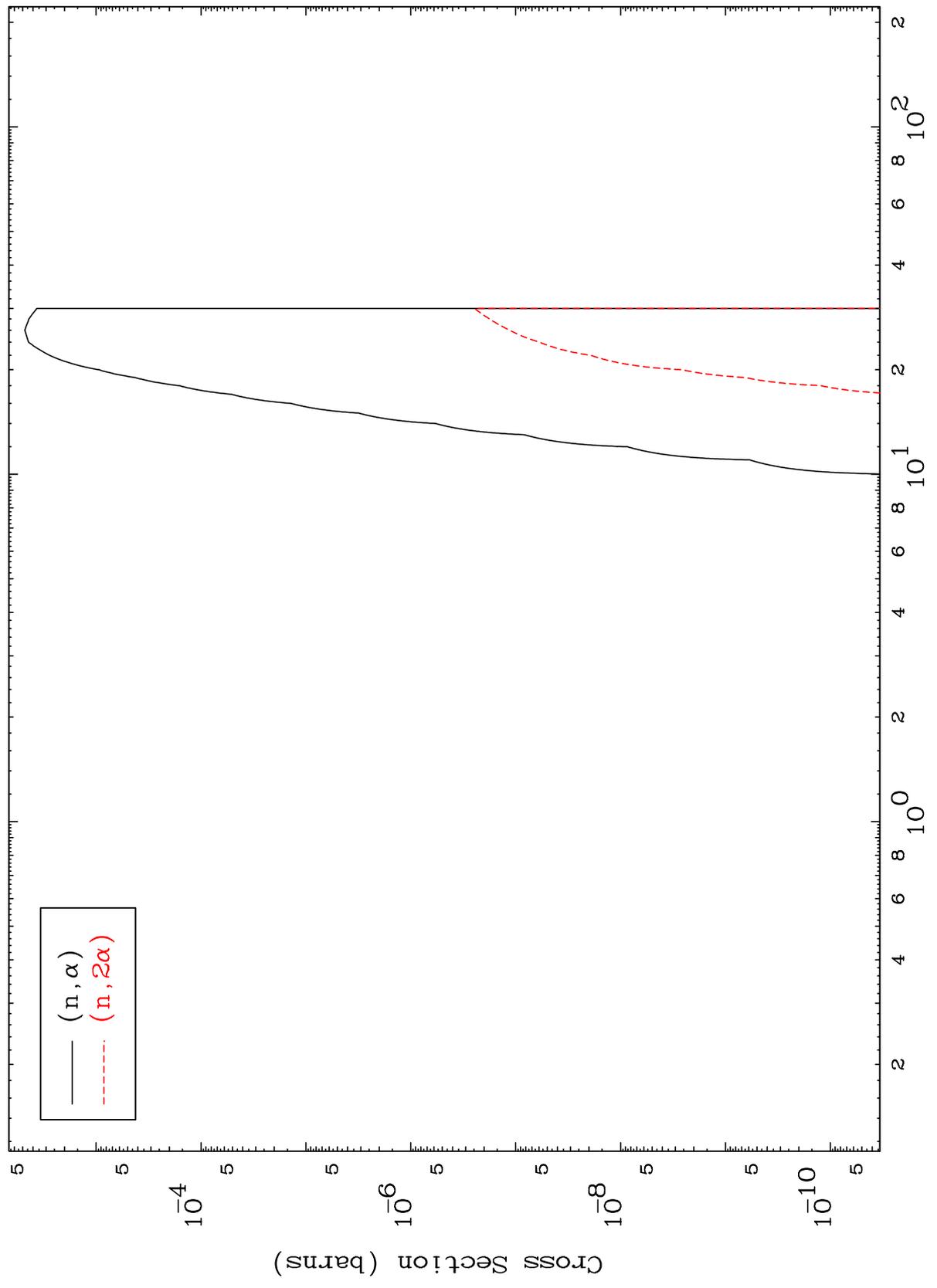
83-Bi-199m

MAT 8296

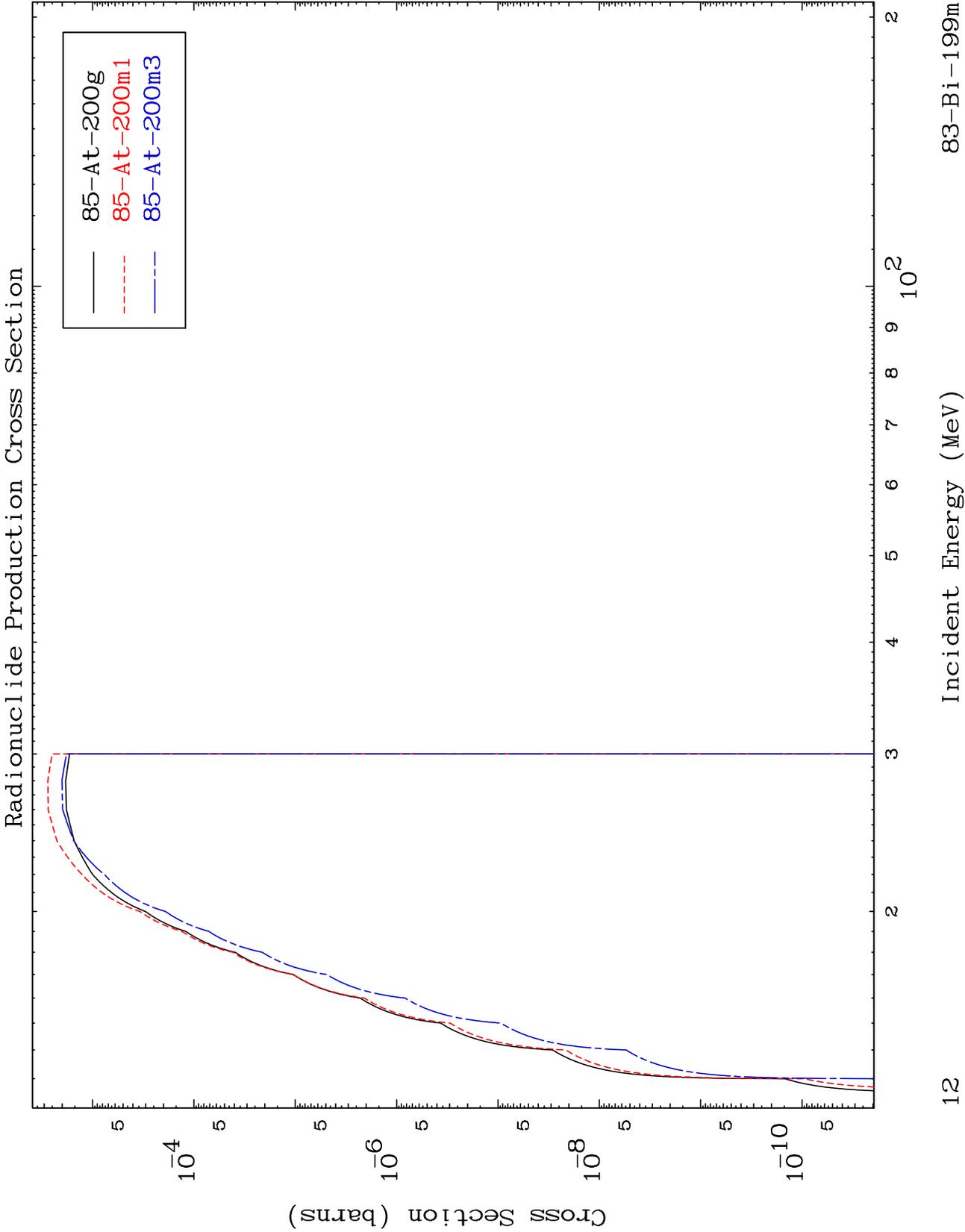
(He-3, α) Levels

83-Bi-199m

0 Kelvin Cross Sections



— (n, α)
- - - $(n, 2\alpha)$

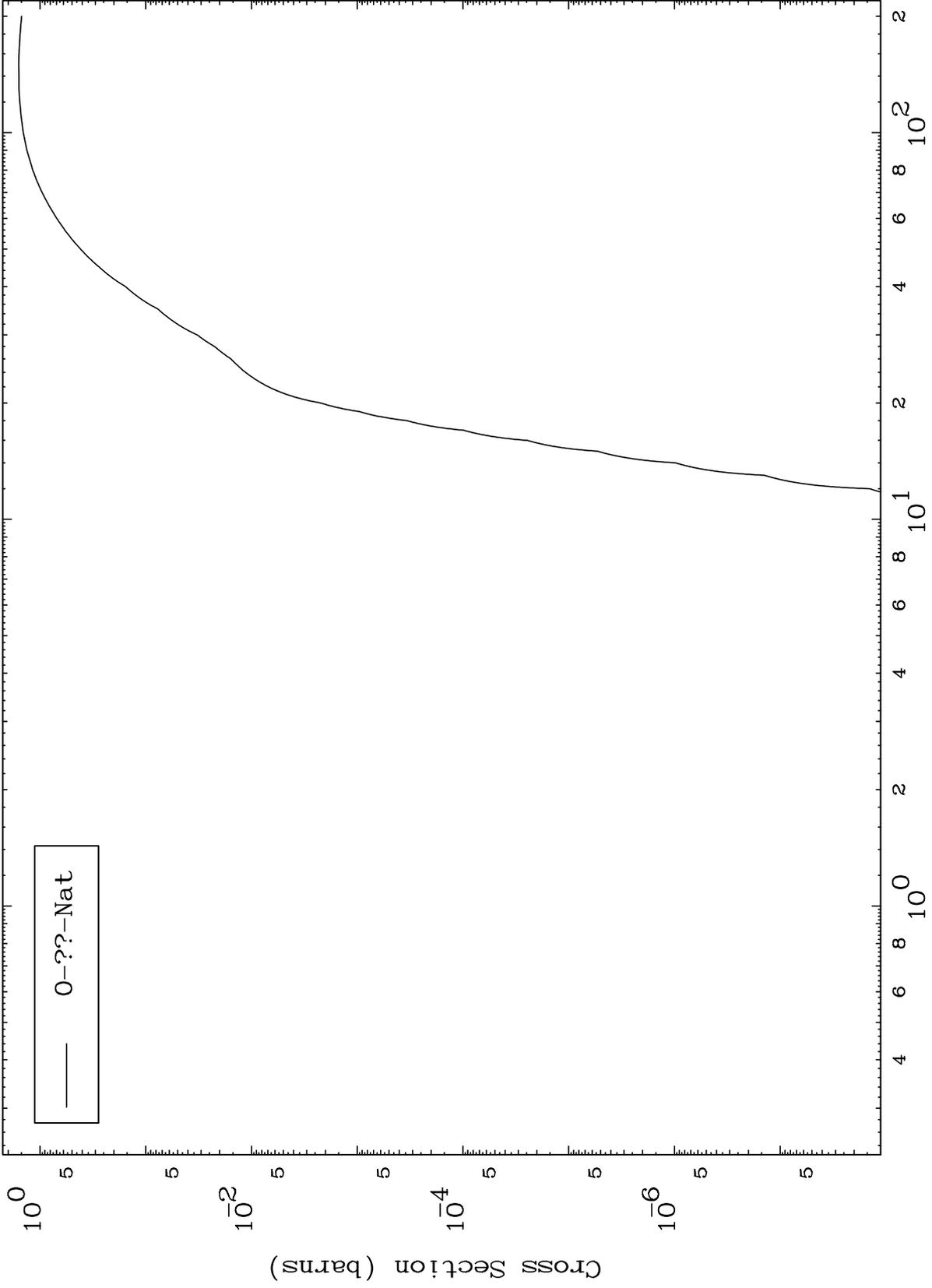


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Fission

⁸³Bi-199m

Radionuclide Production Cross Section

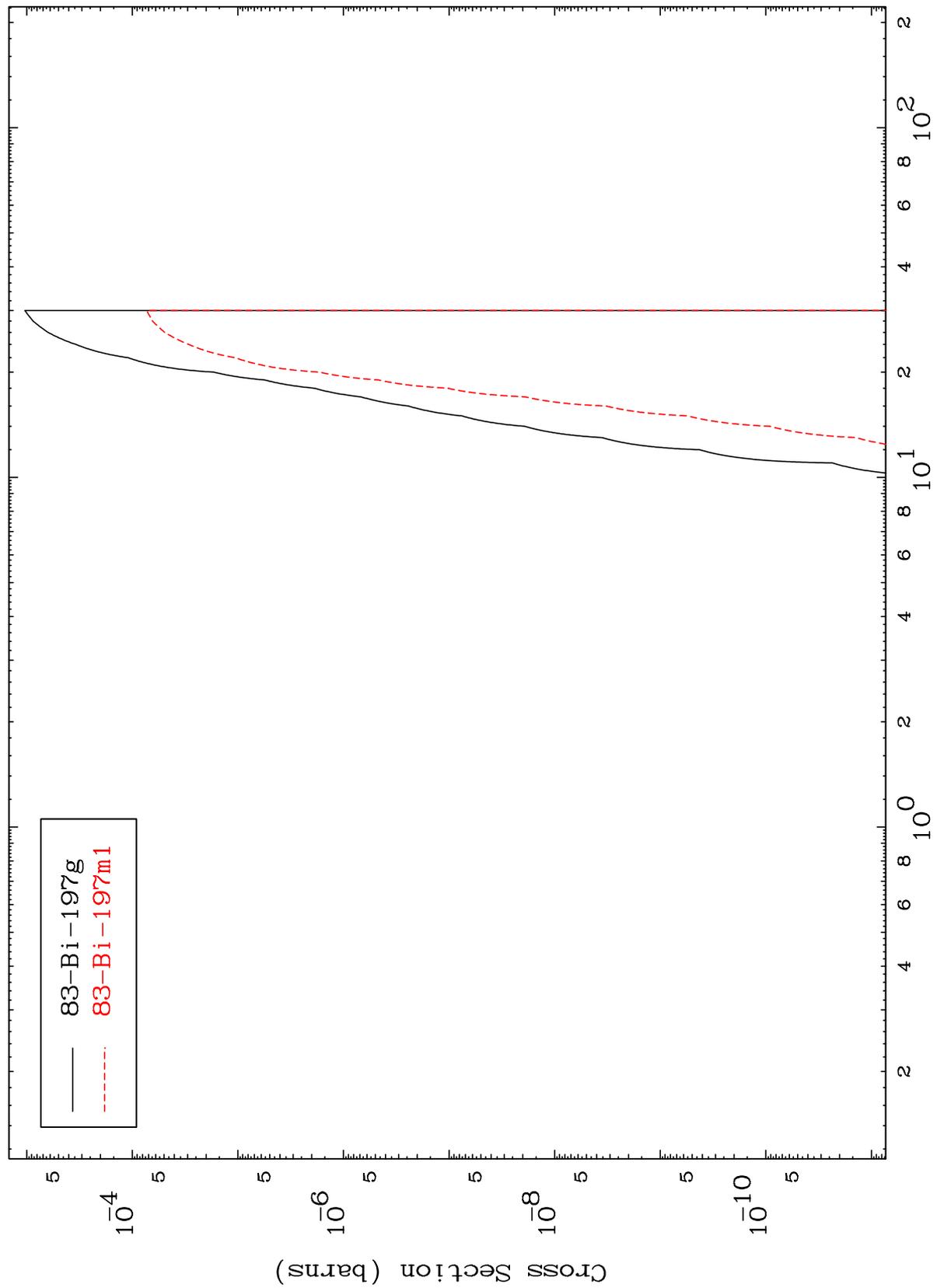


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$(n, n') \alpha$

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

Radionuclide Production Cross Section

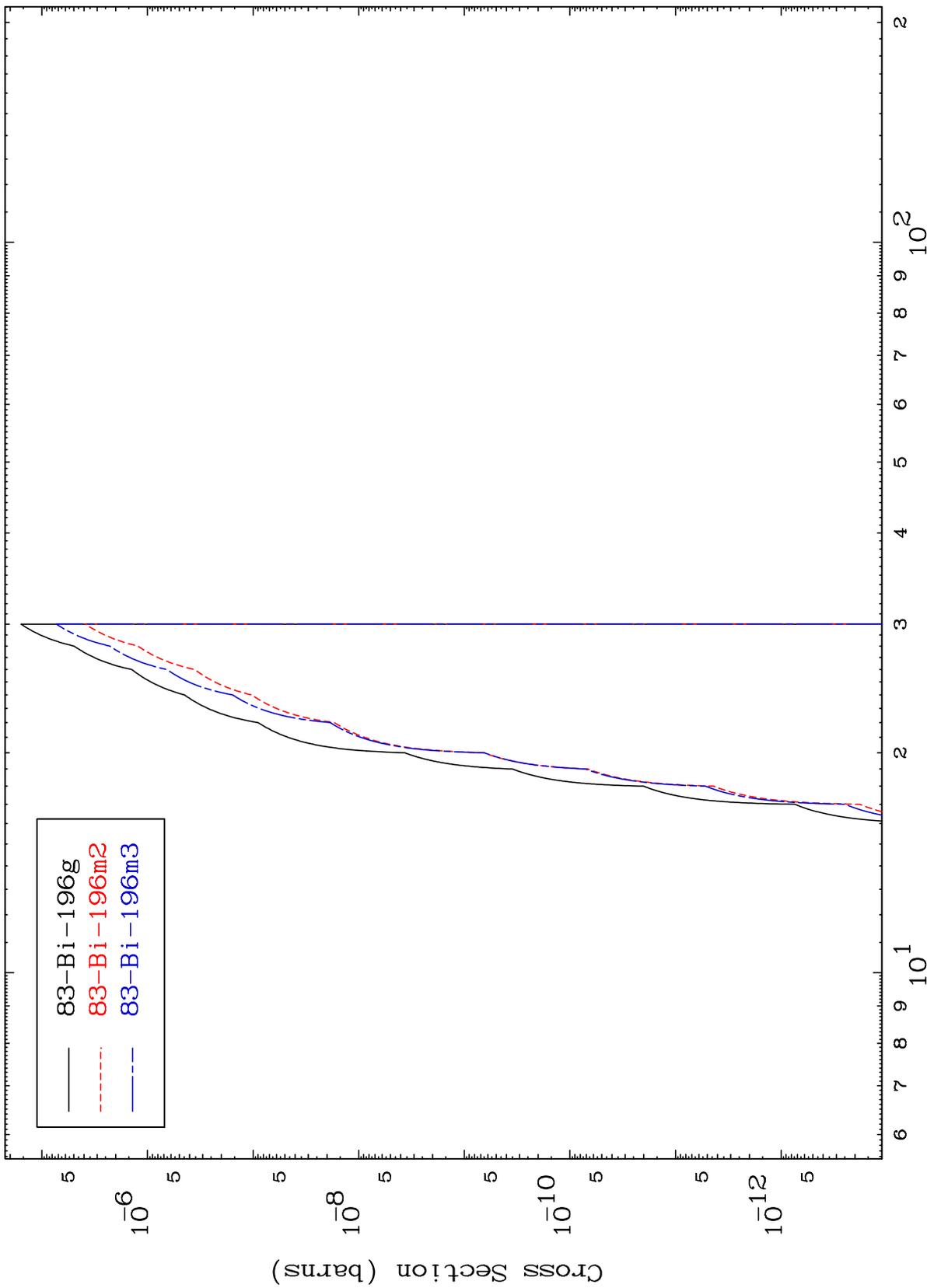


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⁸³Bi-199m

(n,2n) α

Radionuclide Production Cross Section



⁸³Bi-199m

Incident Energy (MeV)

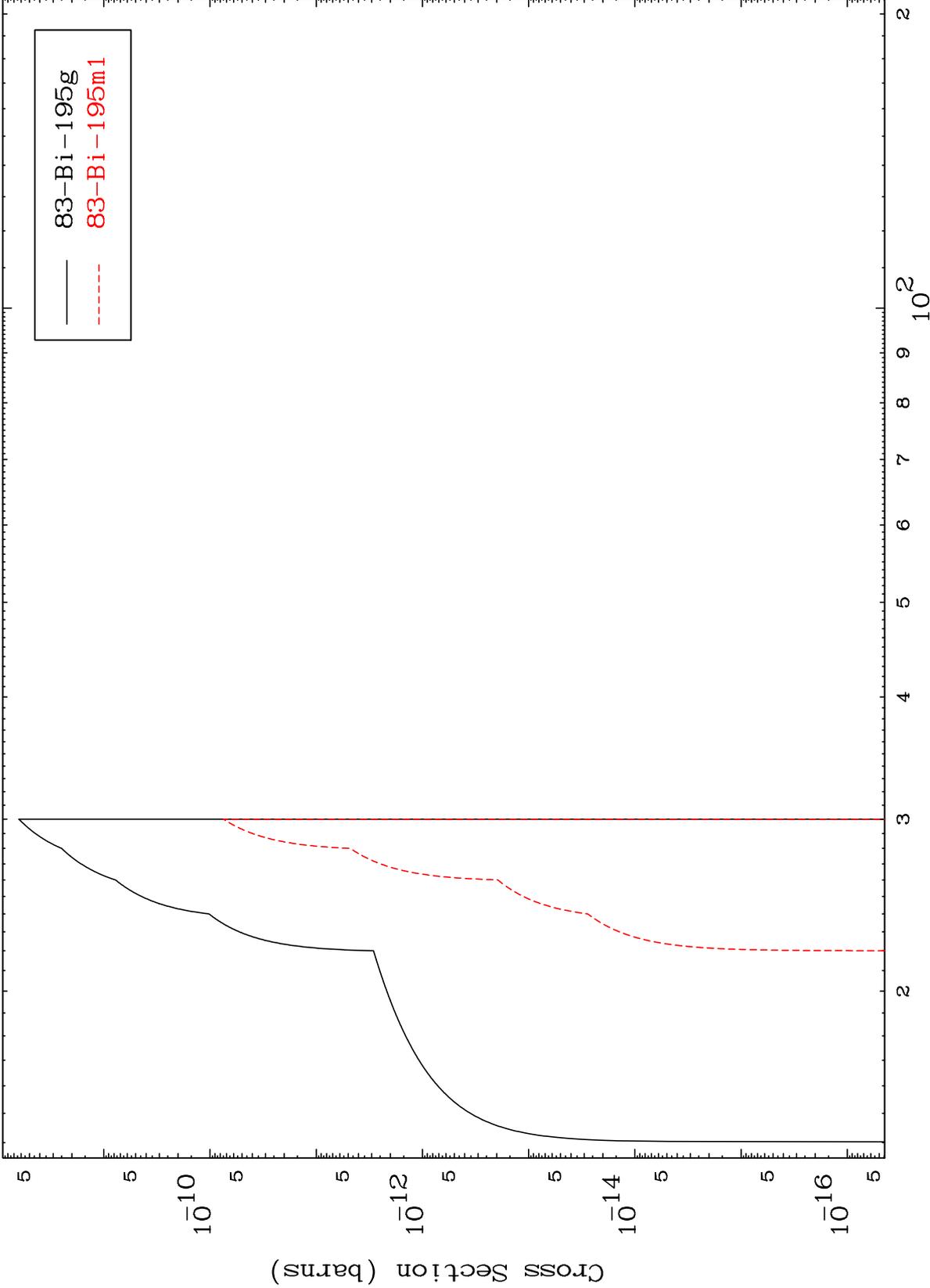
15

MAT 8296

$(n,3n) \alpha$

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

Radionuclide Production Cross Section



16

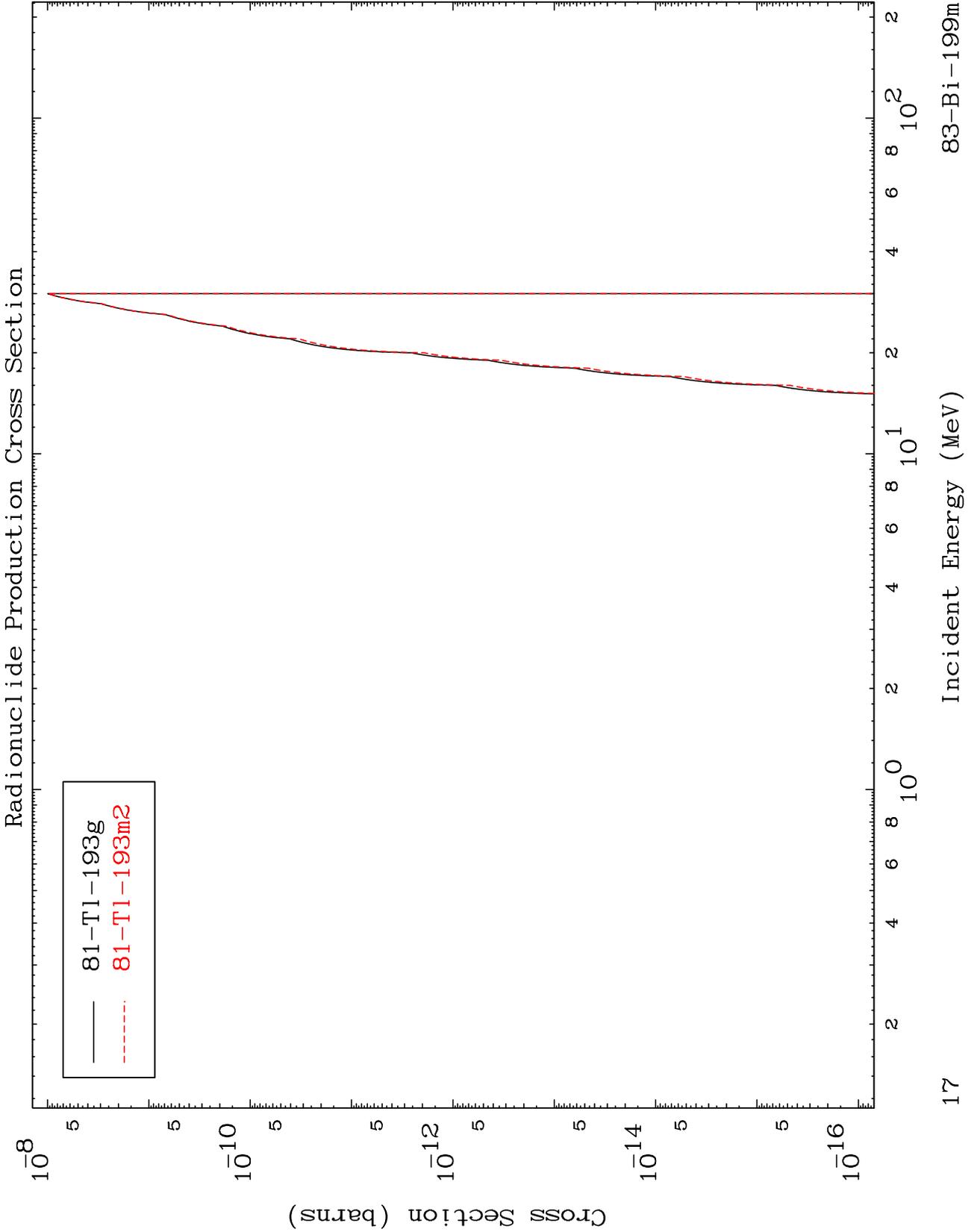
Incident Energy (MeV)

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

MAT 8296

(n,n') 2α

83-Bi-199m

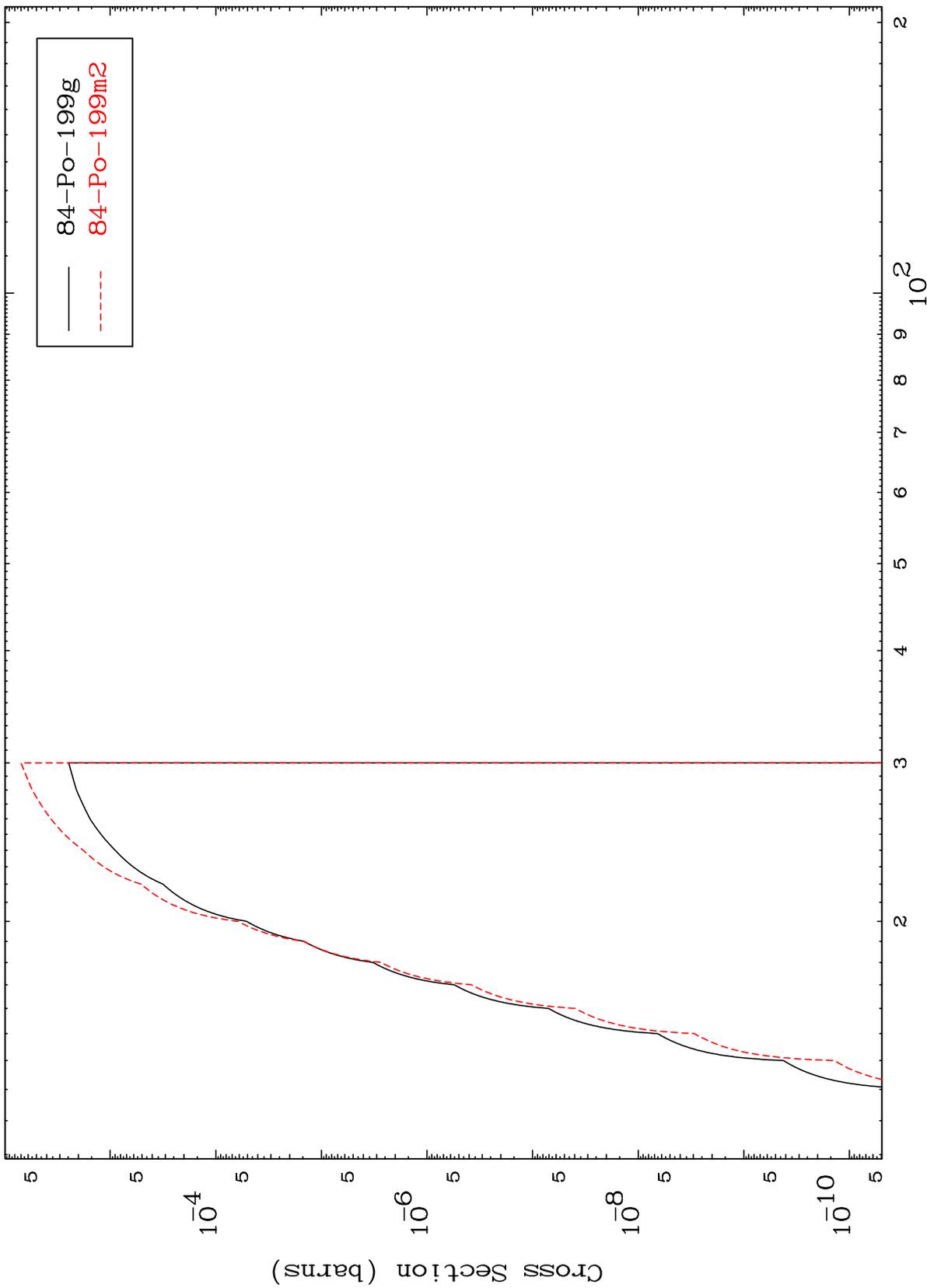


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(n,n') d

83-Bi-199m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

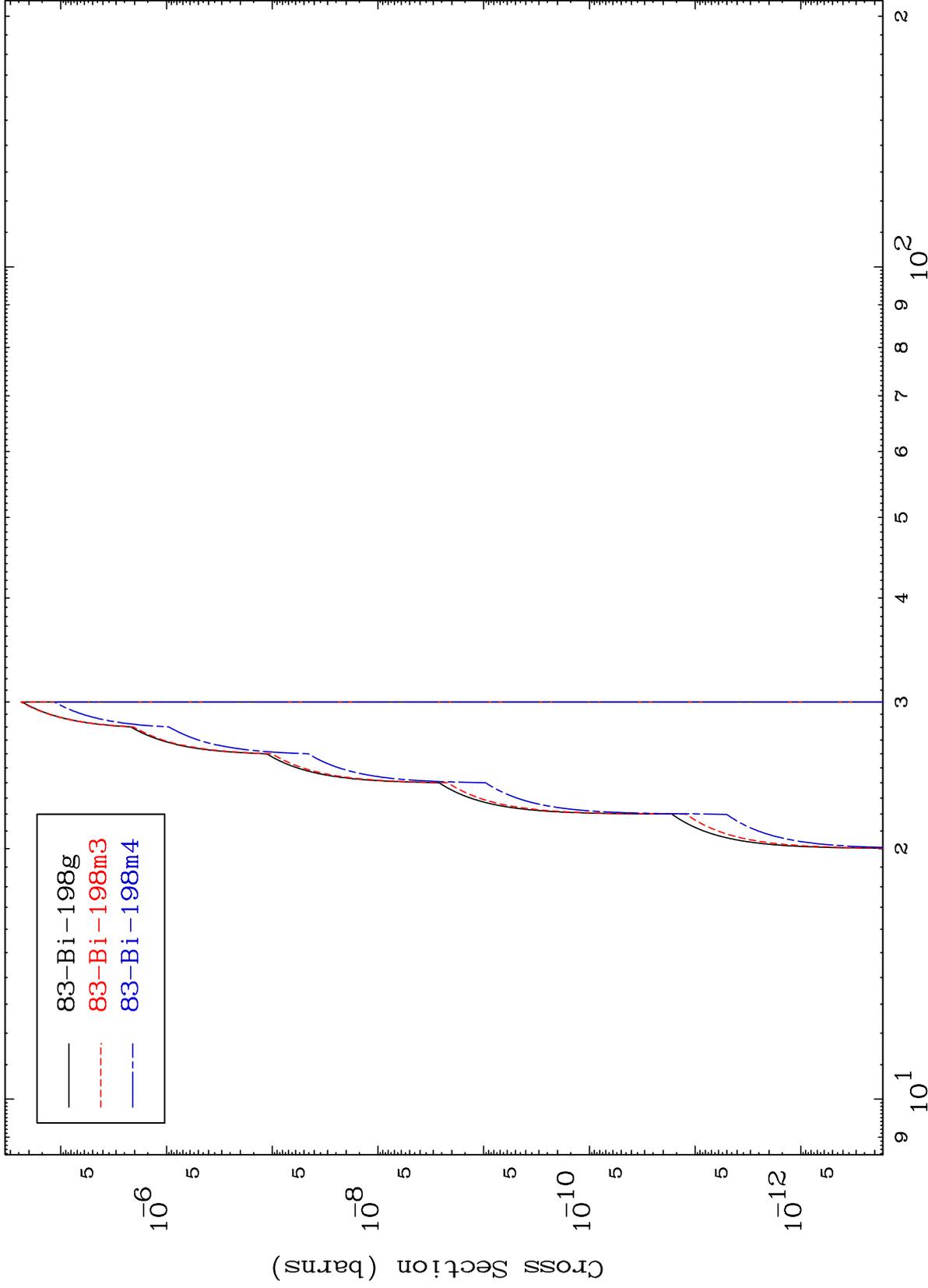
83-Bi-199m

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(n,n') He-3

83-Bi-199m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

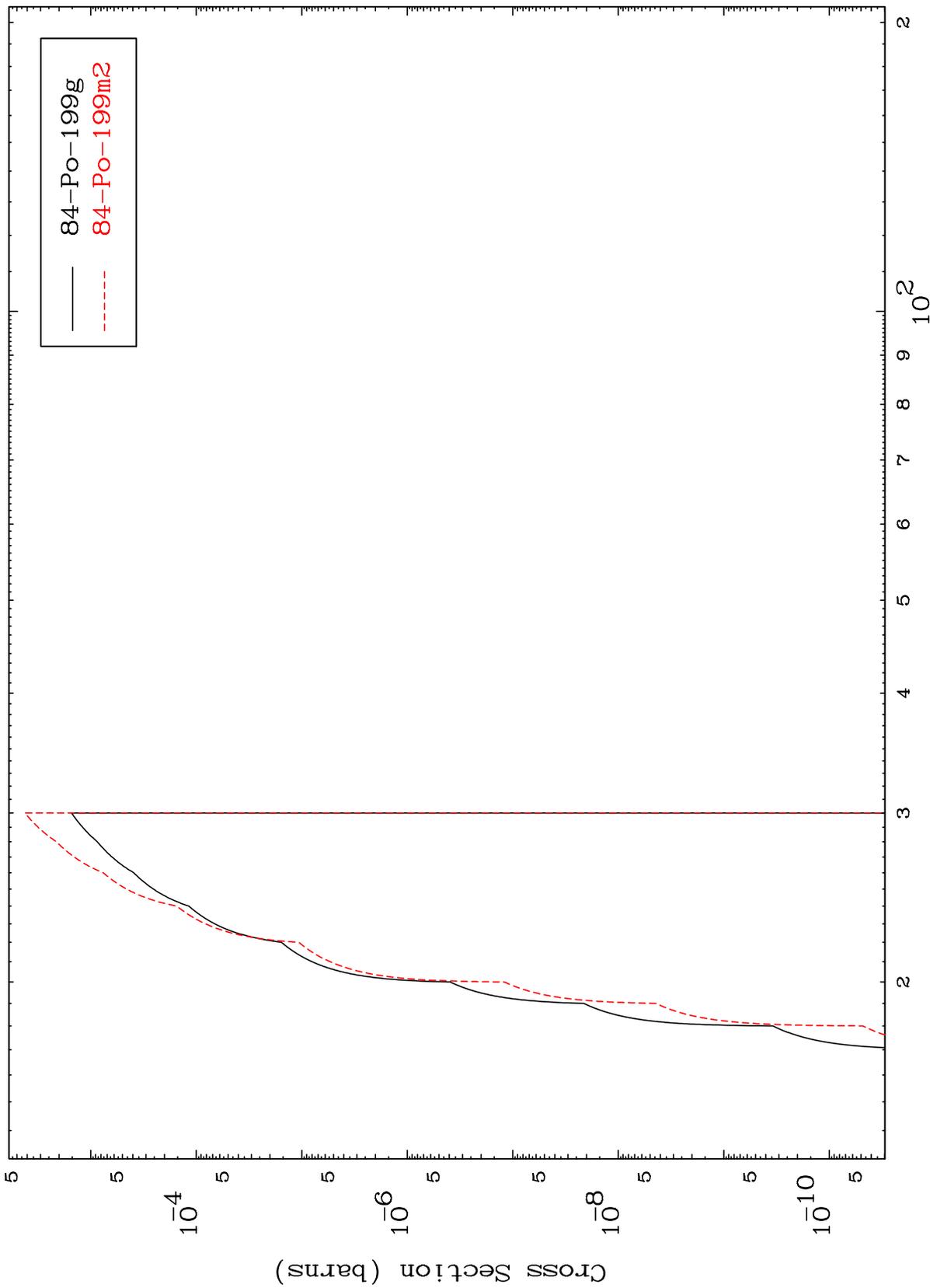
83-Bi-199m

MAT 8296

83-Bi-199m

(n,2n) p

Radionuclide Production Cross Section



20

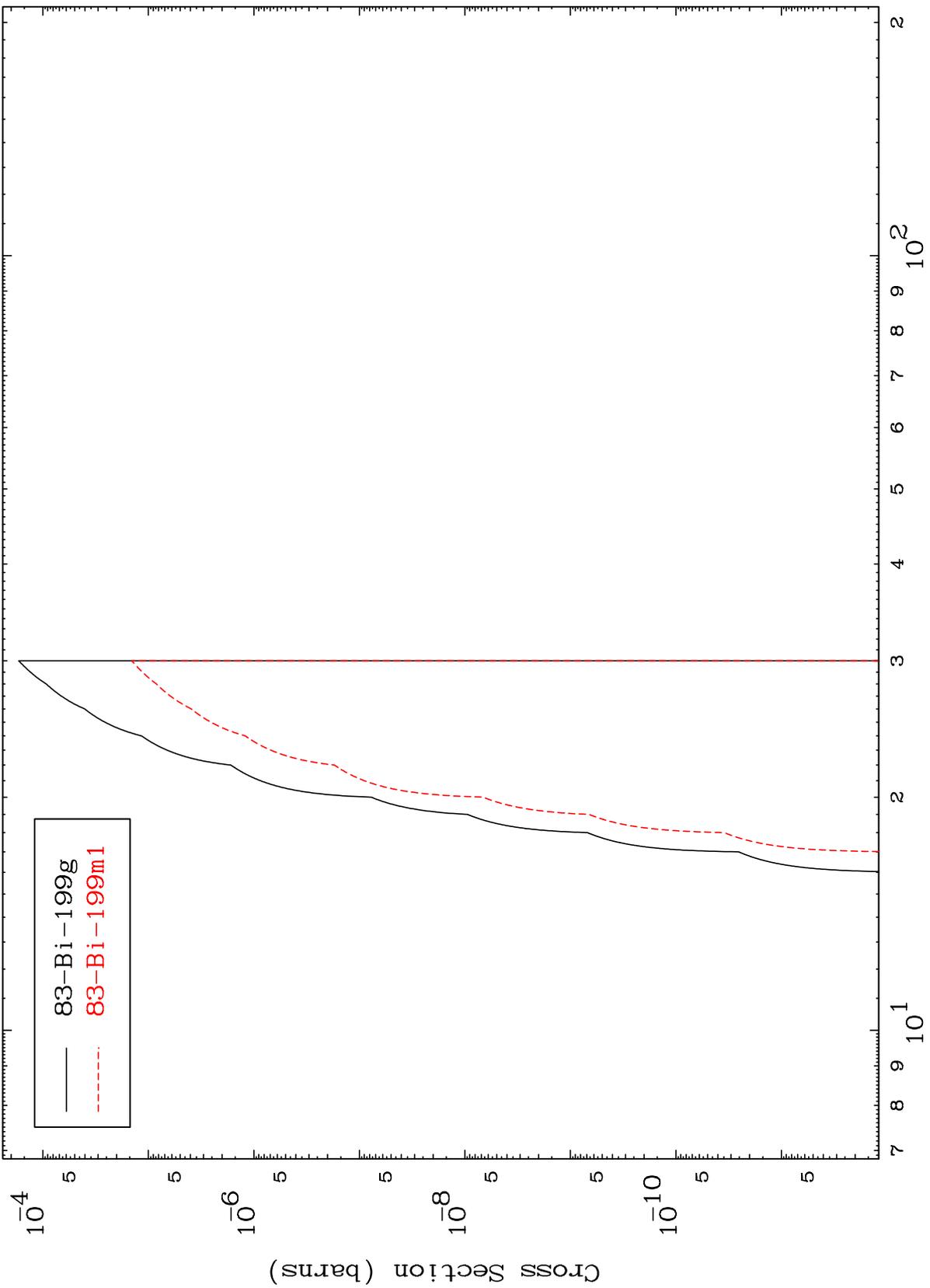
Incident Energy (MeV)

83-Bi-199m

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⁸³Bi-199m

(n,2n) p
Radionuclide Production Cross Section



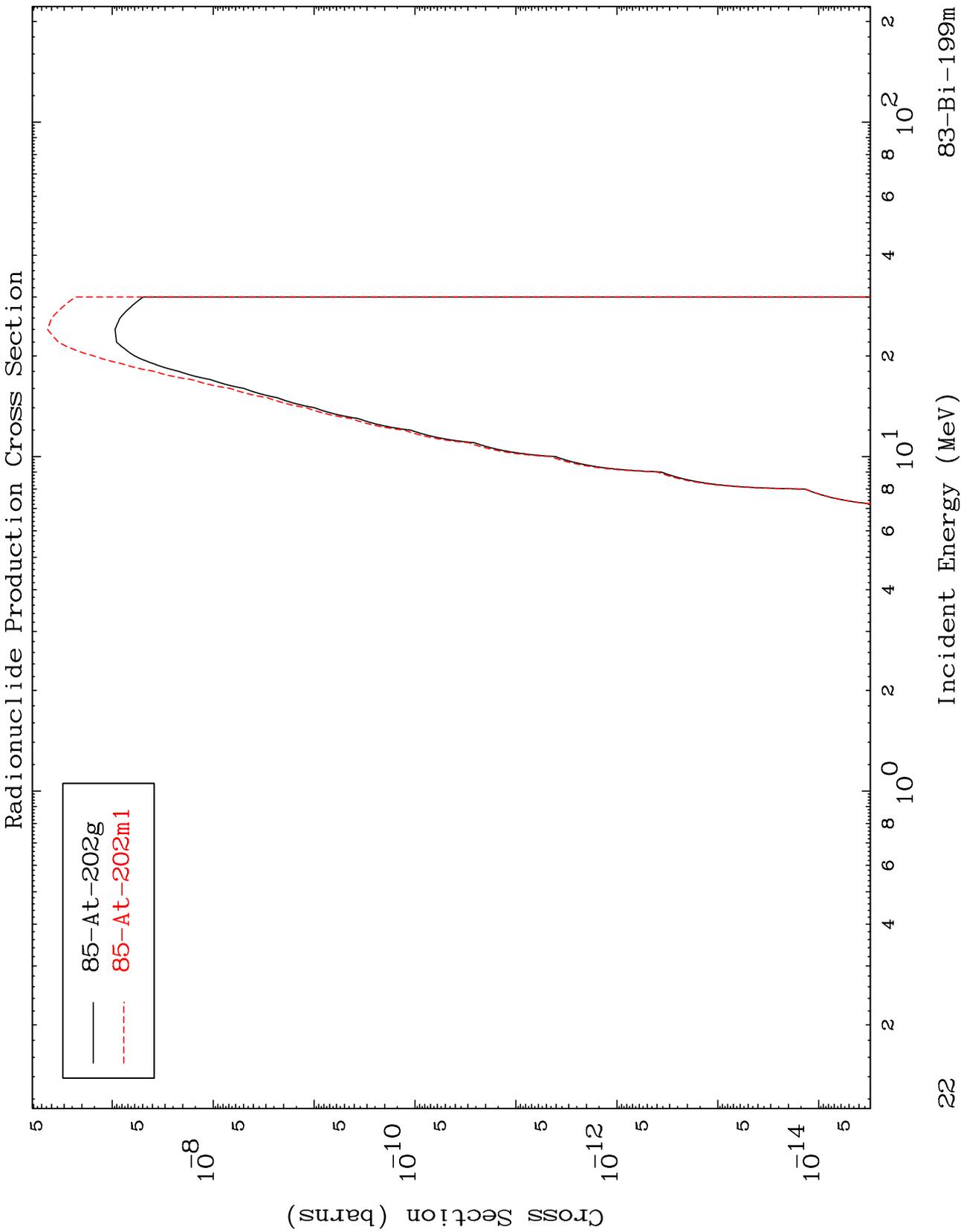
21

Incident Energy (MeV)

⁸³Bi-199m

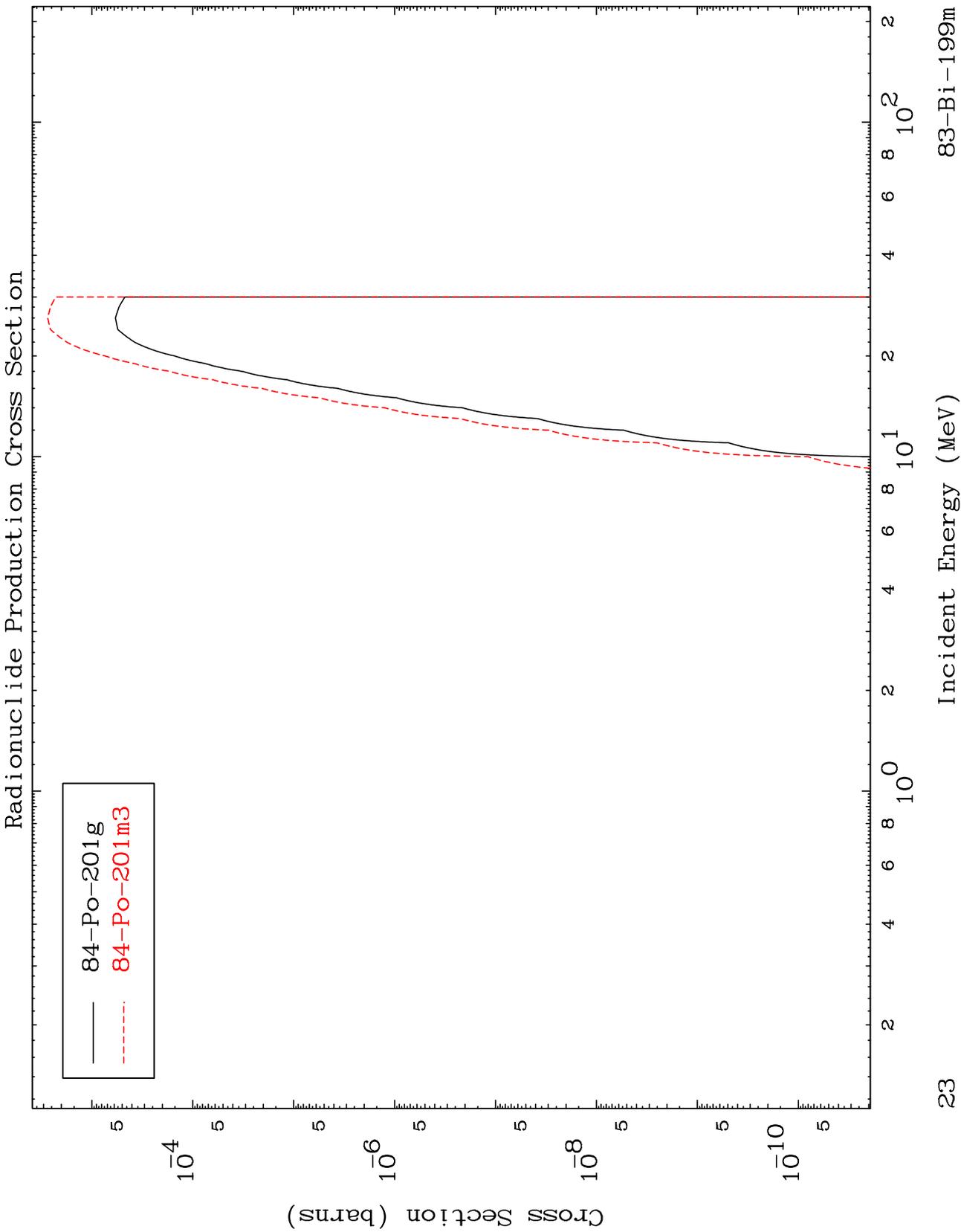
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⁸³Bi-199m



MAT 8296

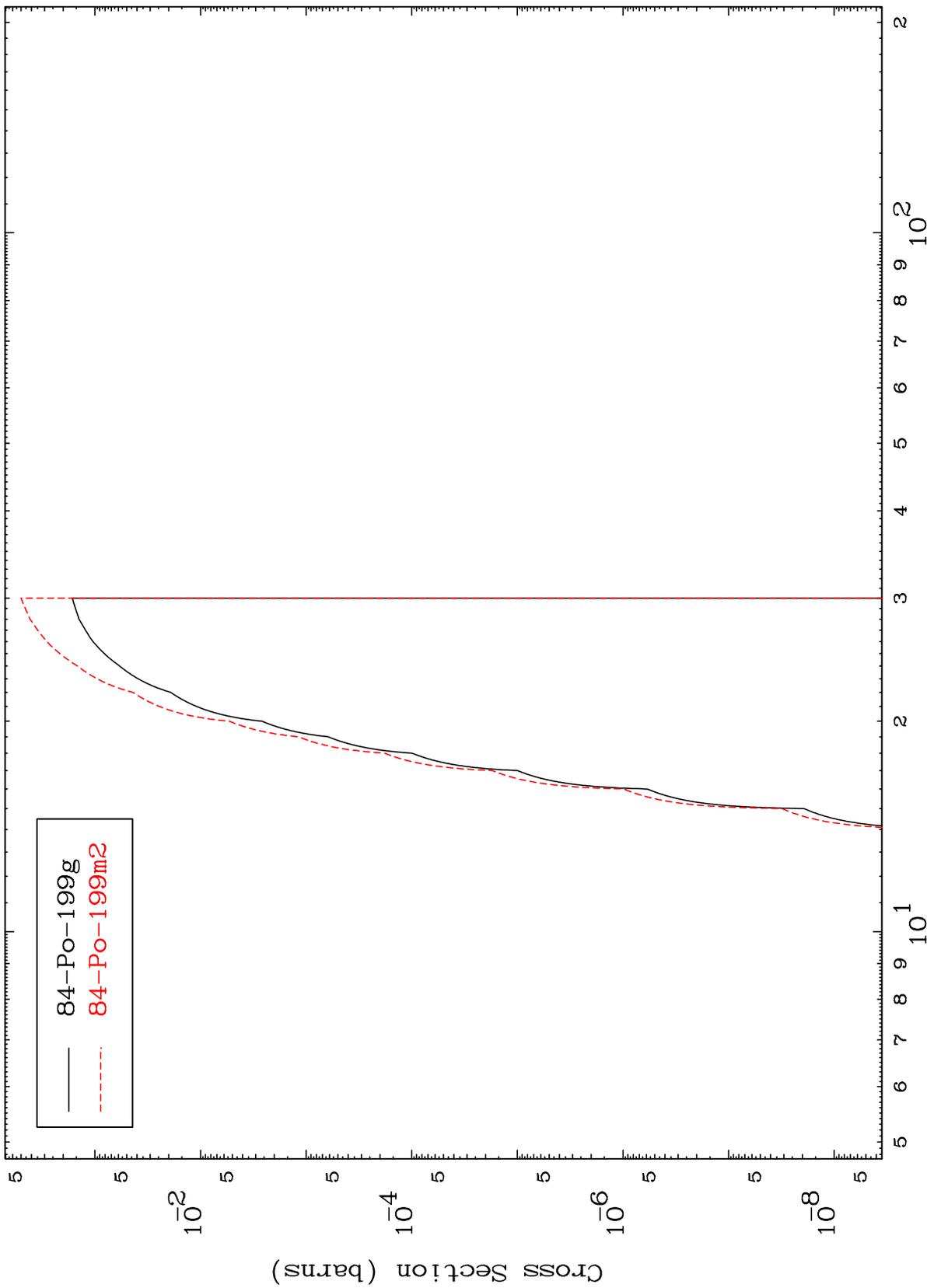
⁸³Bi-199m



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83-Bi-199m

(n, t)
Radionuclide Production Cross Section



24

Incident Energy (MeV)

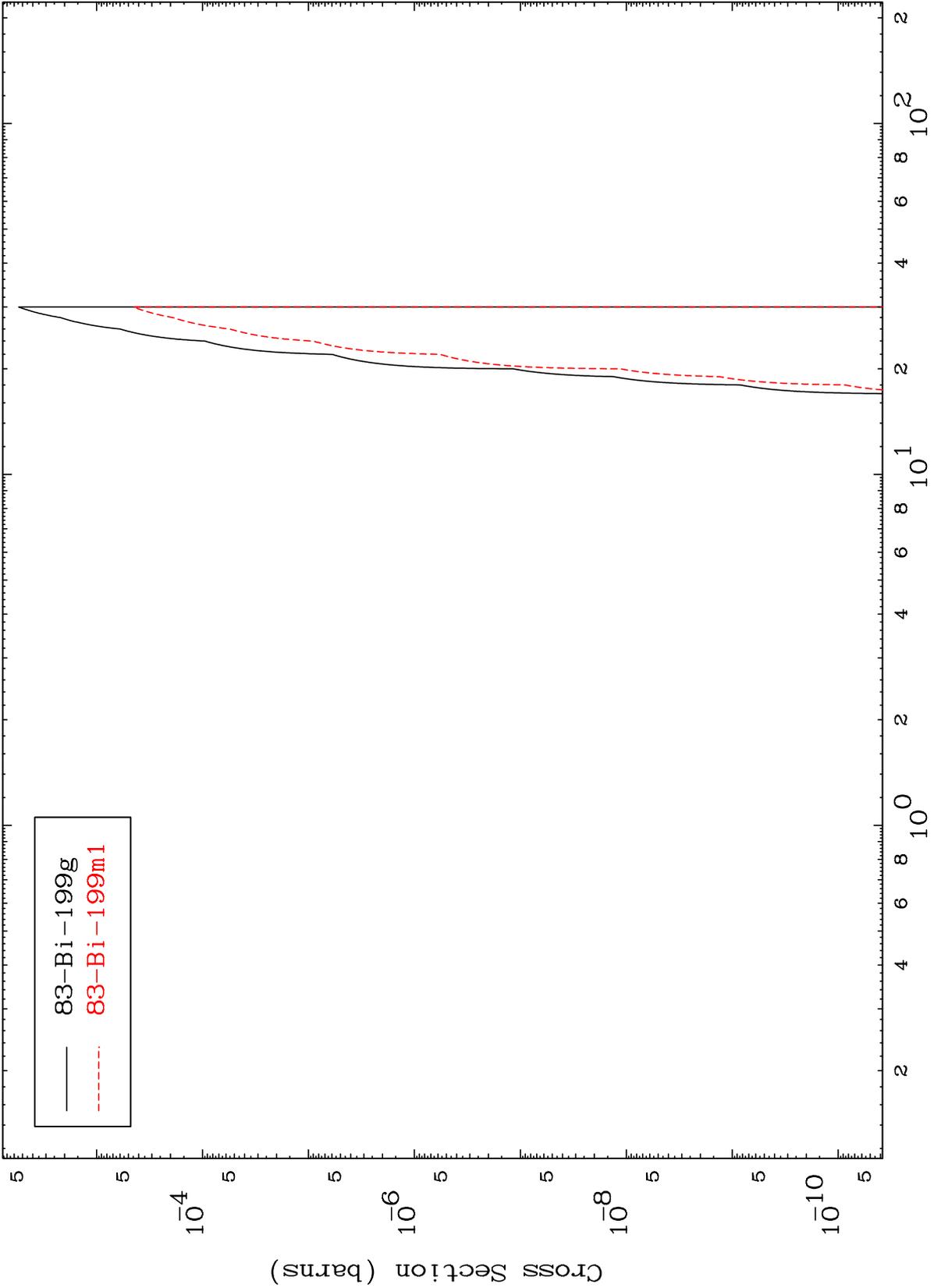
83-Bi-199m

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(n,He-3)

83-Bi-199m

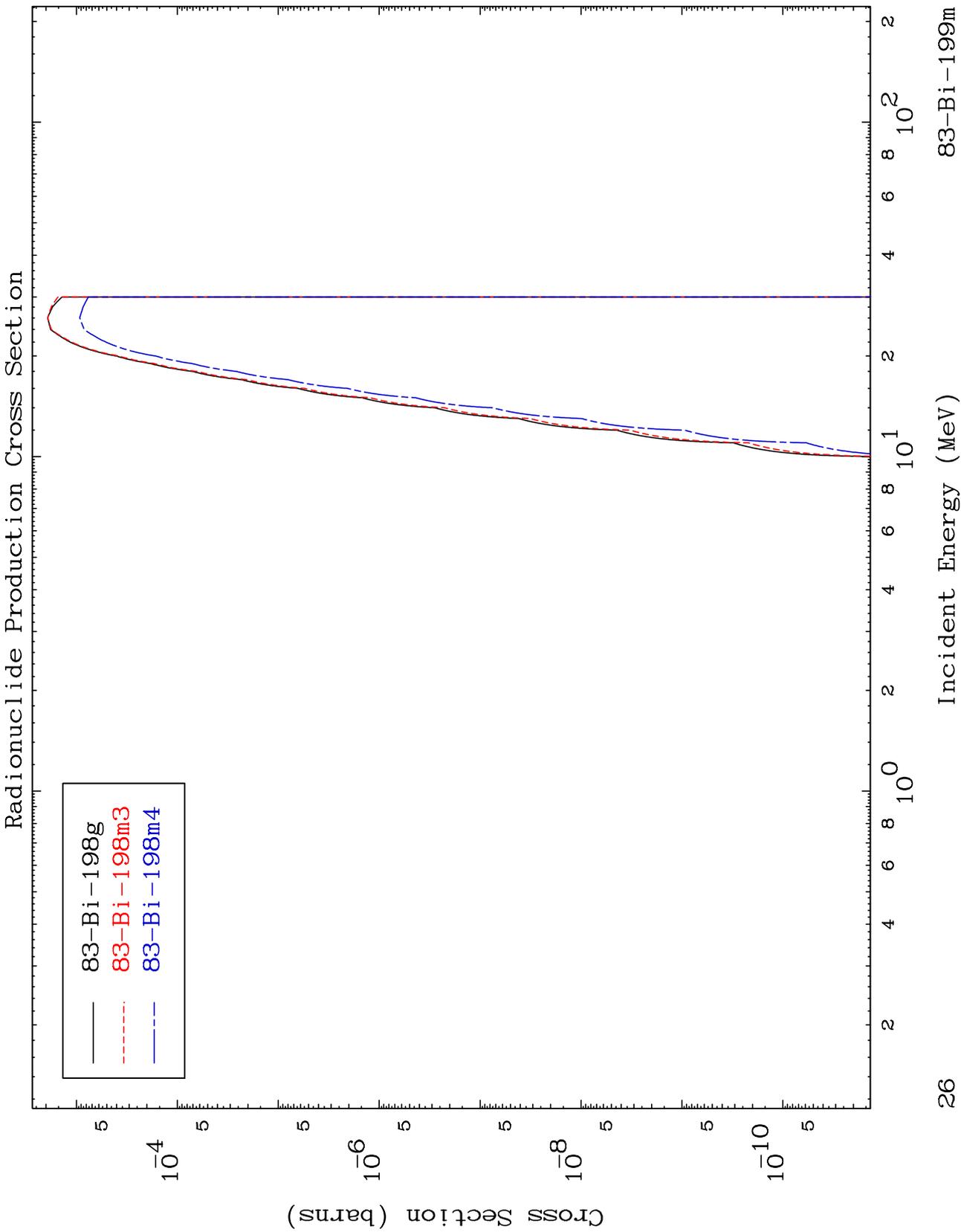
Radionuclide Production Cross Section



83-Bi-199g
83-Bi-199m1

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



Incident Energy (MeV)

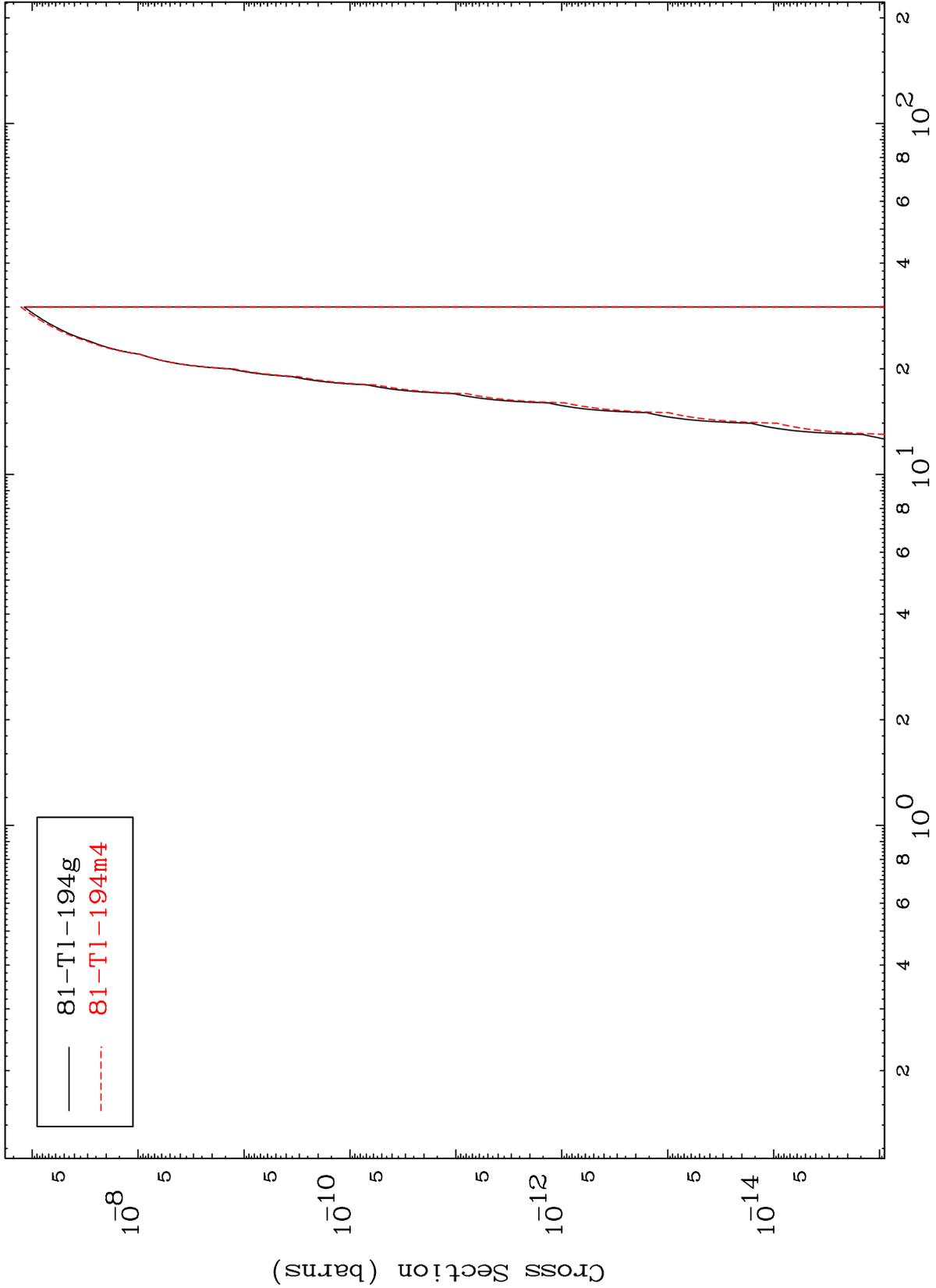
$^{83}\text{Bi}-199\text{m}$

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(n,2α)

83-Bi-199m

Radionuclide Production Cross Section

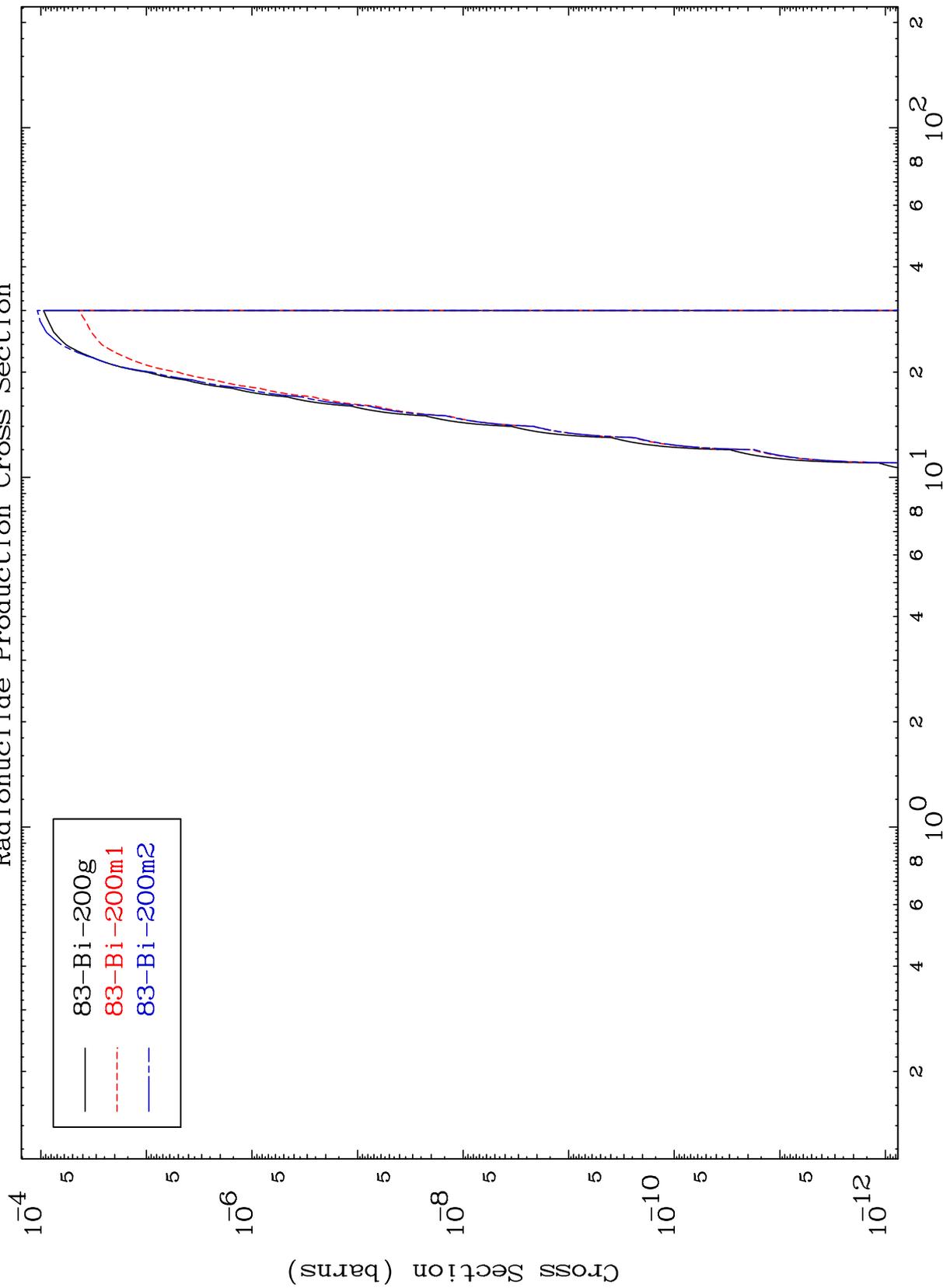


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$^{83}\text{Bi}-199\text{m}$

(n,2p)

Radionuclide Production Cross Section

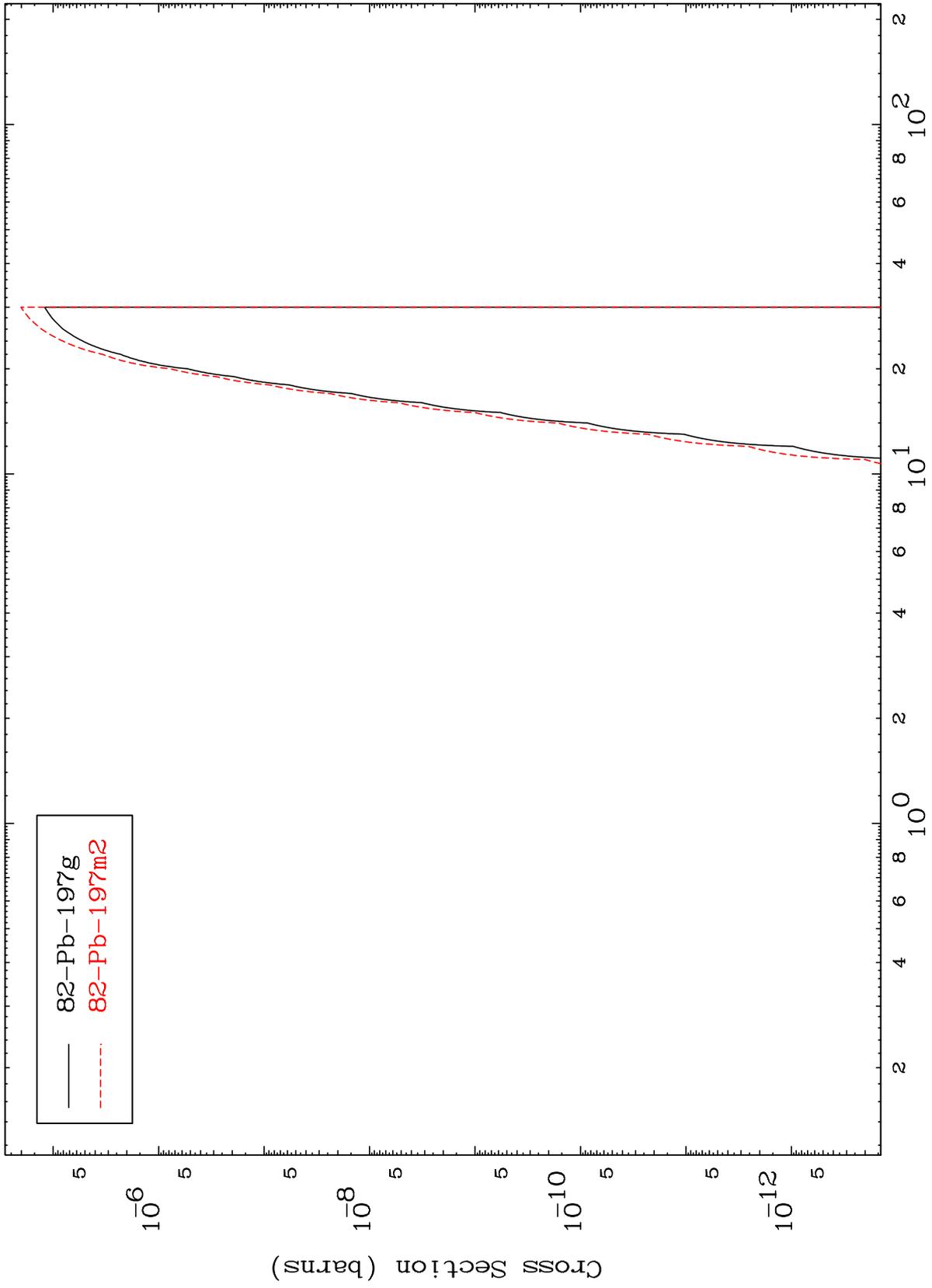


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(n,p) α

83-Bi-199m

Radionuclide Production Cross Section

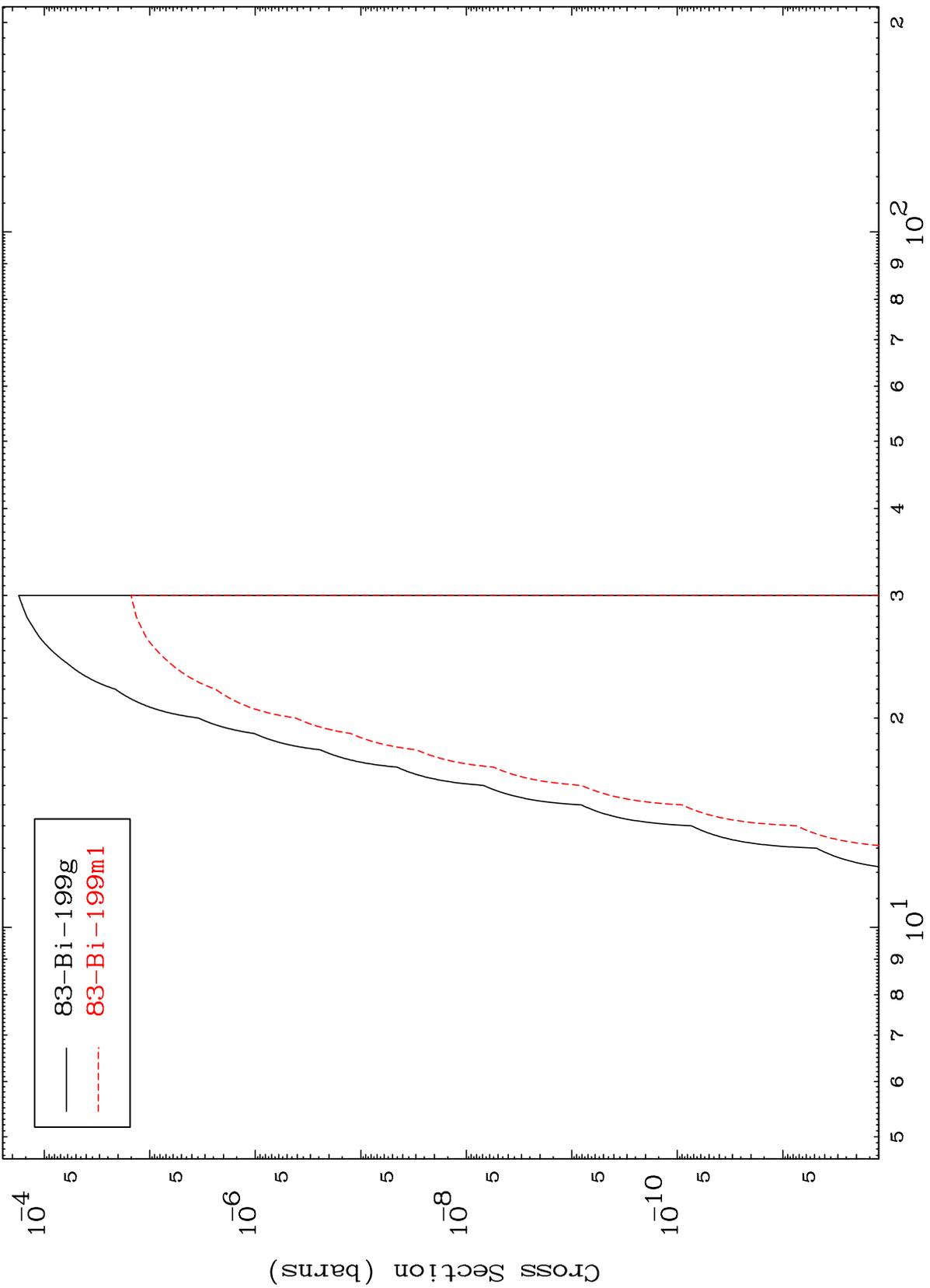


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(n,p) d

⁸³Bi-199m

Radionuclide Production Cross Section



Legend:
— 83-Bi-199g
- - - 83-Bi-199m1

30

Incident Energy (MeV)

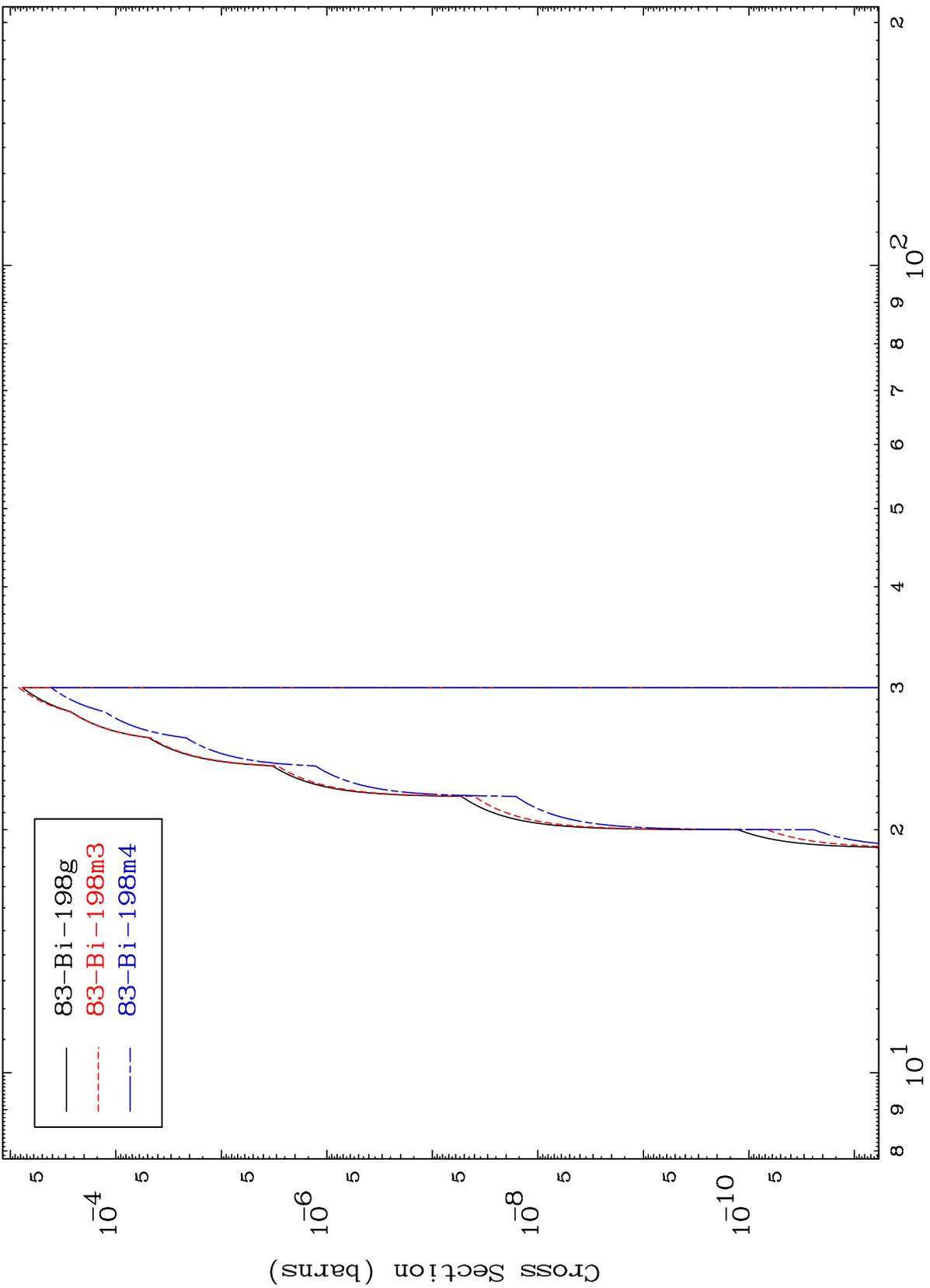
⁸³Bi-199m

MAT 8296

(n,p) t

83-Bi-199m

Radionuclide Production Cross Section



83-Bi-198g
83-Bi-198m3
83-Bi-198m4