

Program EVALPLOT
(Version 2021-1)

by

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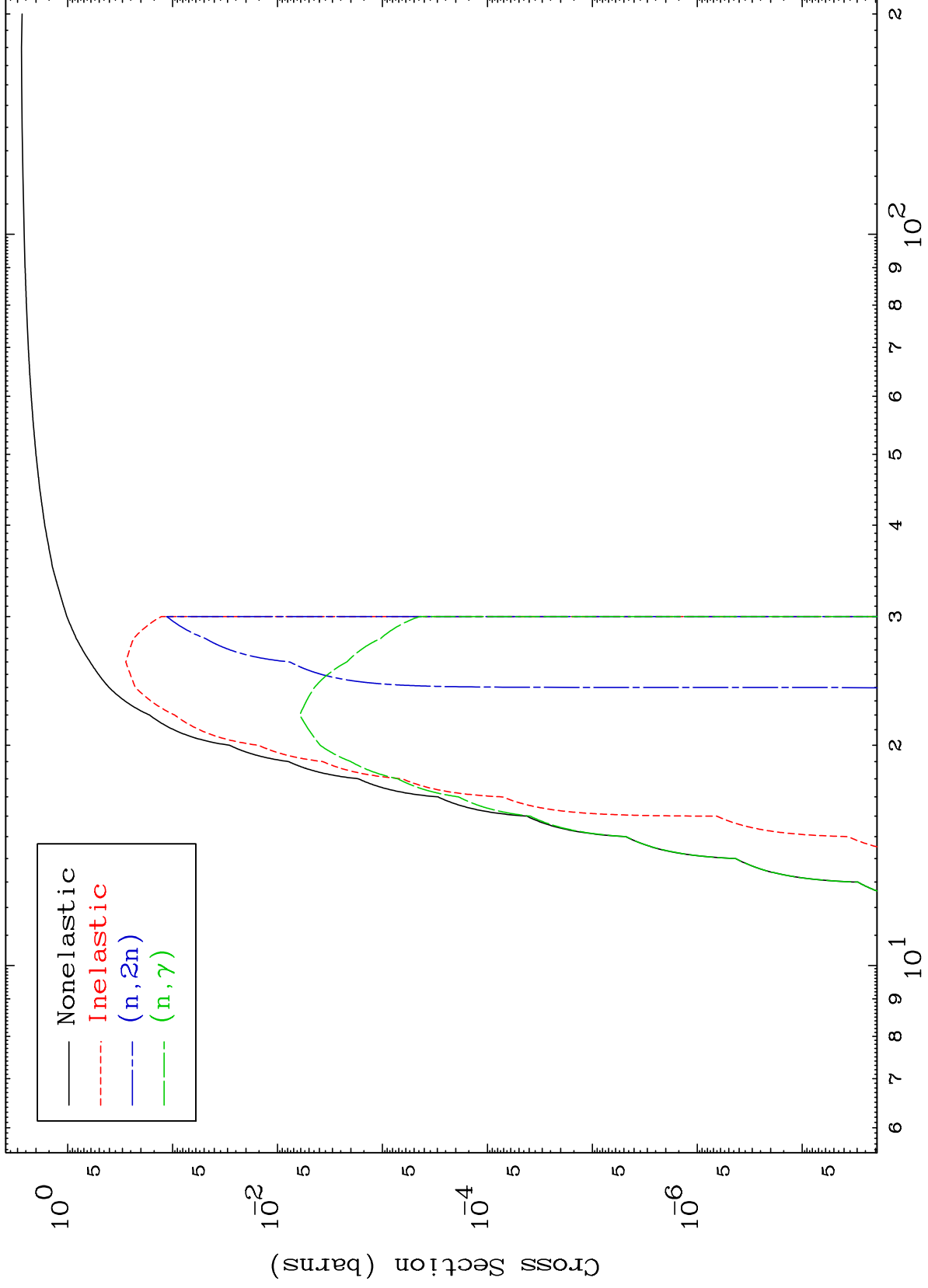
Press Mouse Button to Start

MAT 8294

0 Kelvin Cross Sections

α Major

83-Bi-198n



1

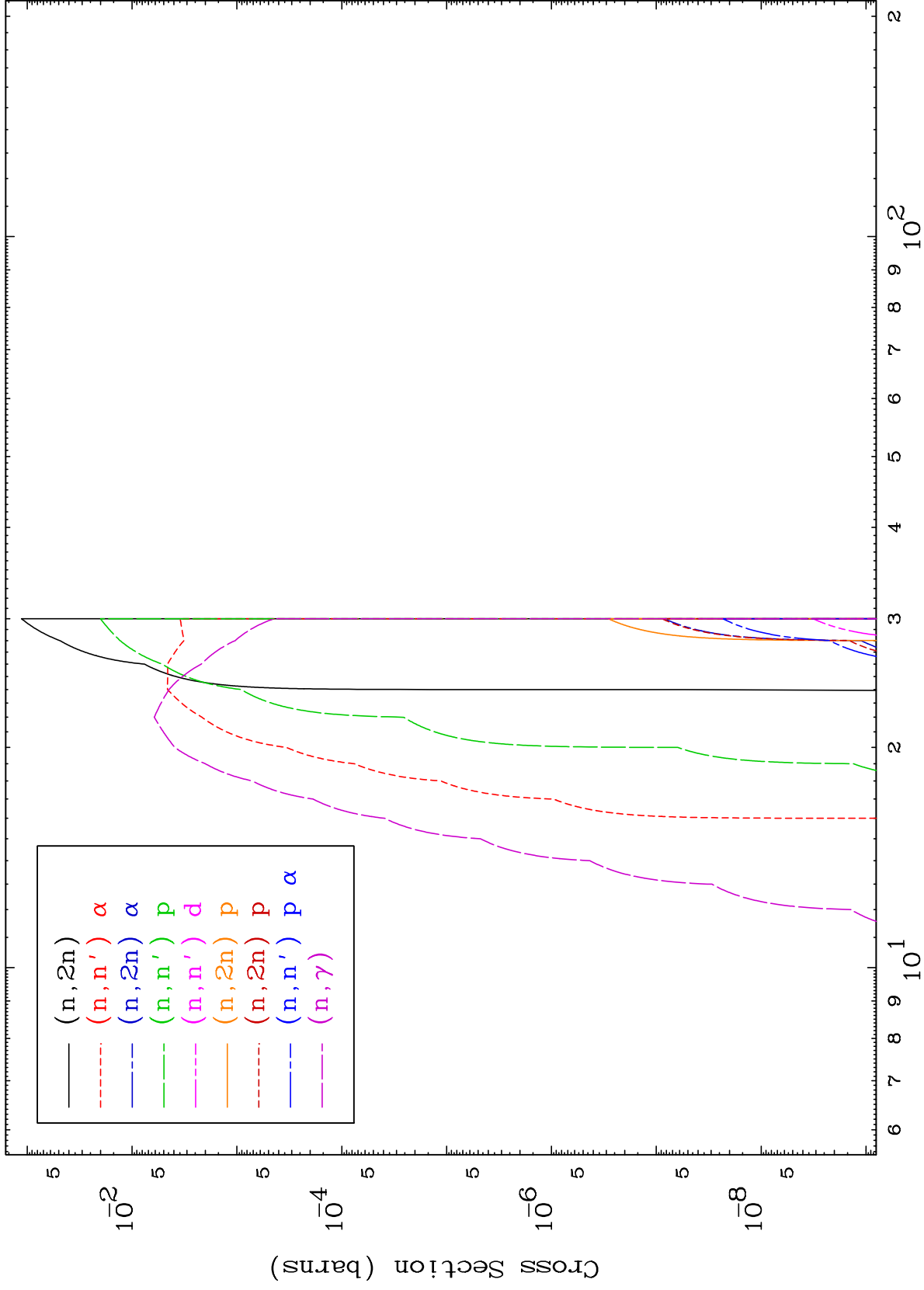
Incident Energy (MeV)

83-Bi-198n

MAT 8294

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-198n



2

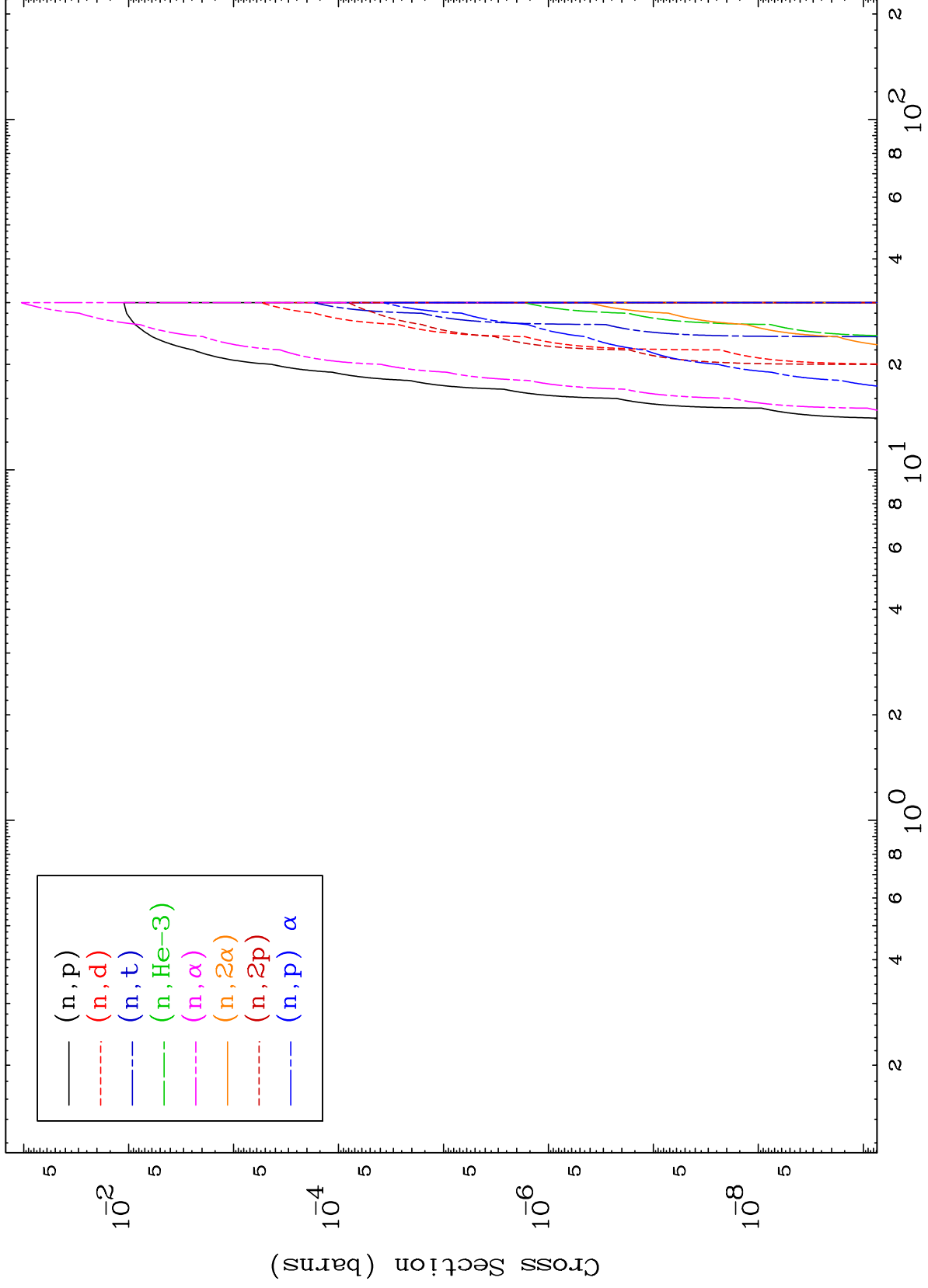
Incident Energy (MeV)

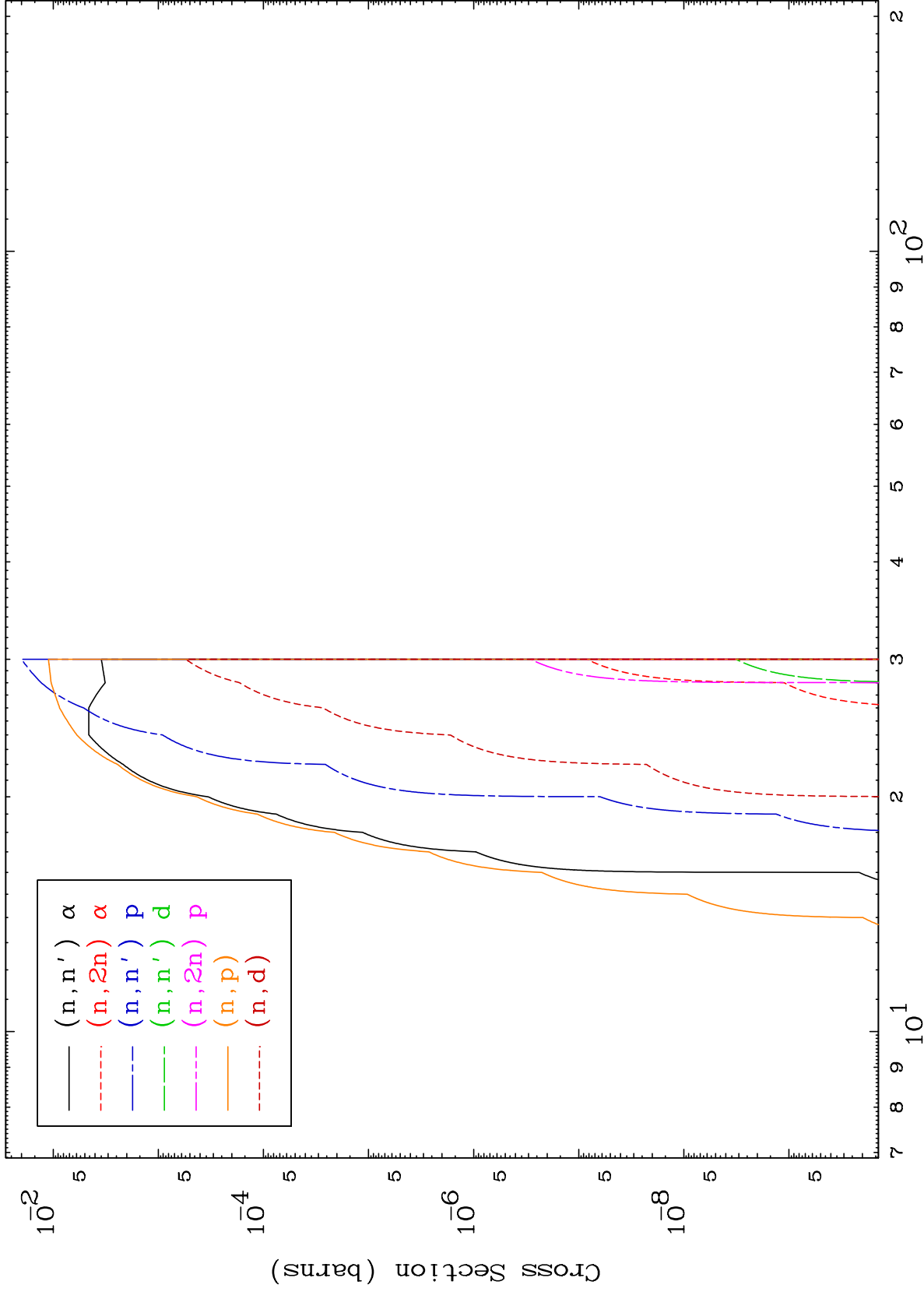
83-Bi-198n

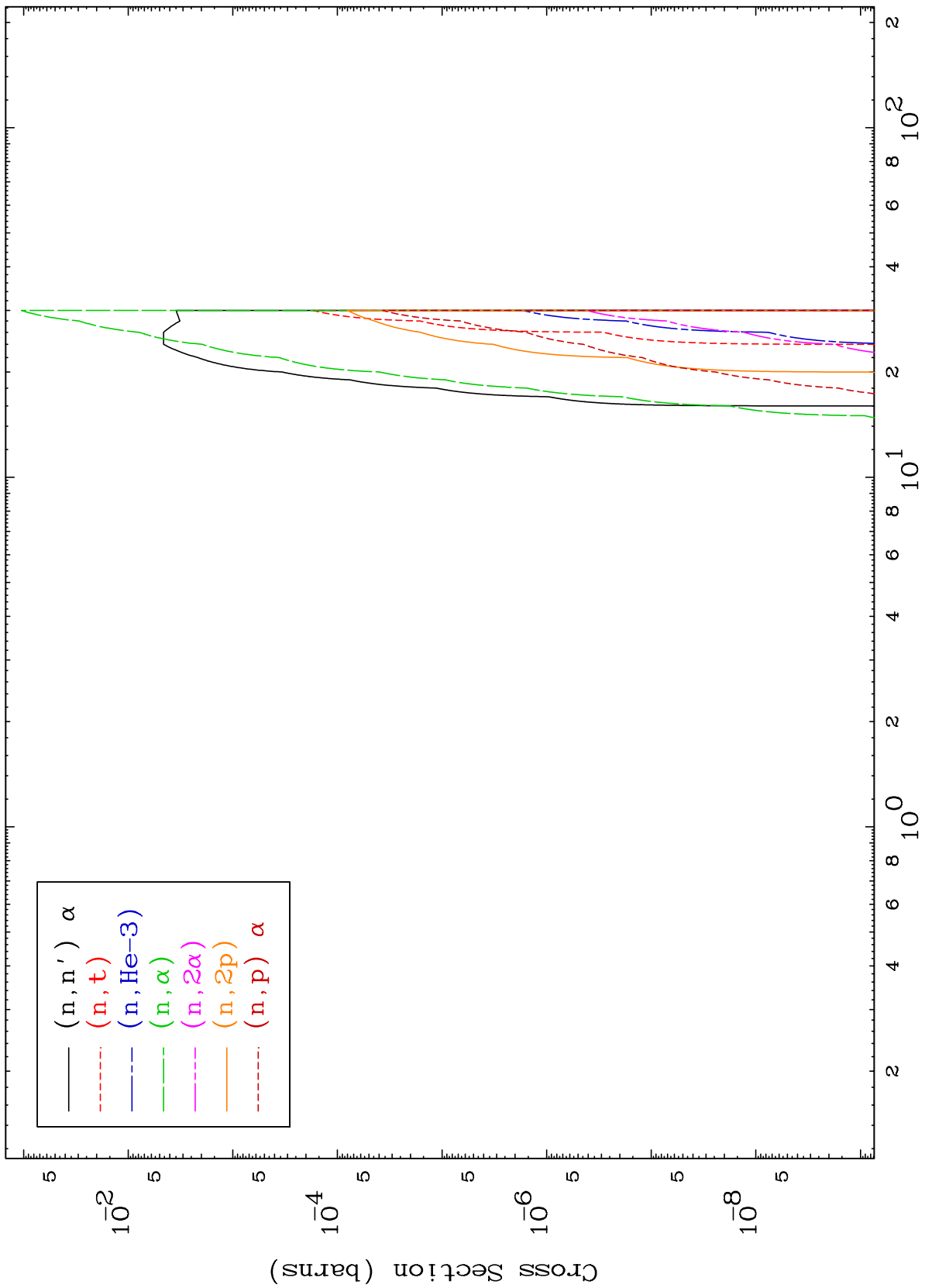
MAT 8294

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-198n



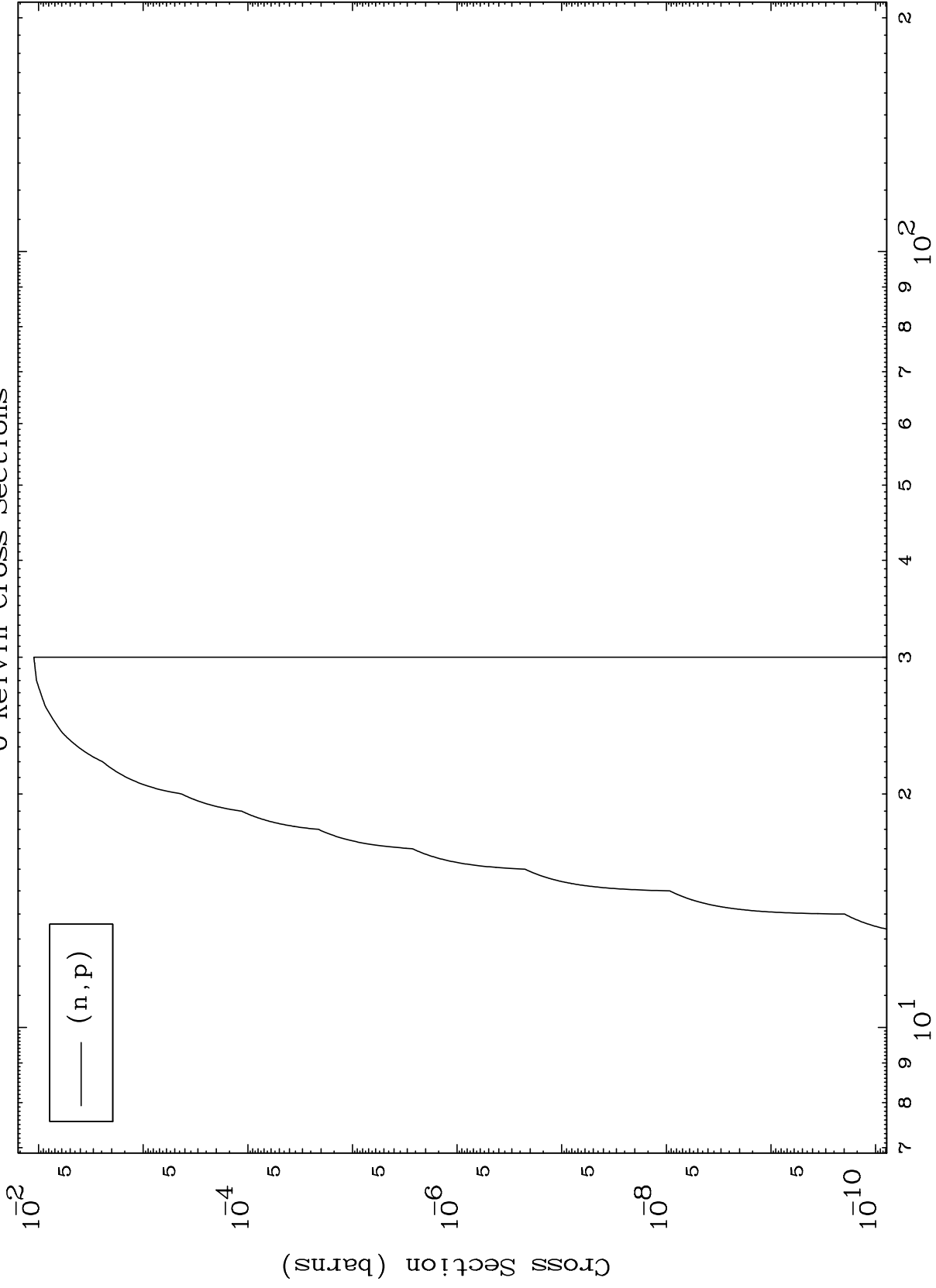




MAT 8294

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-198n



6

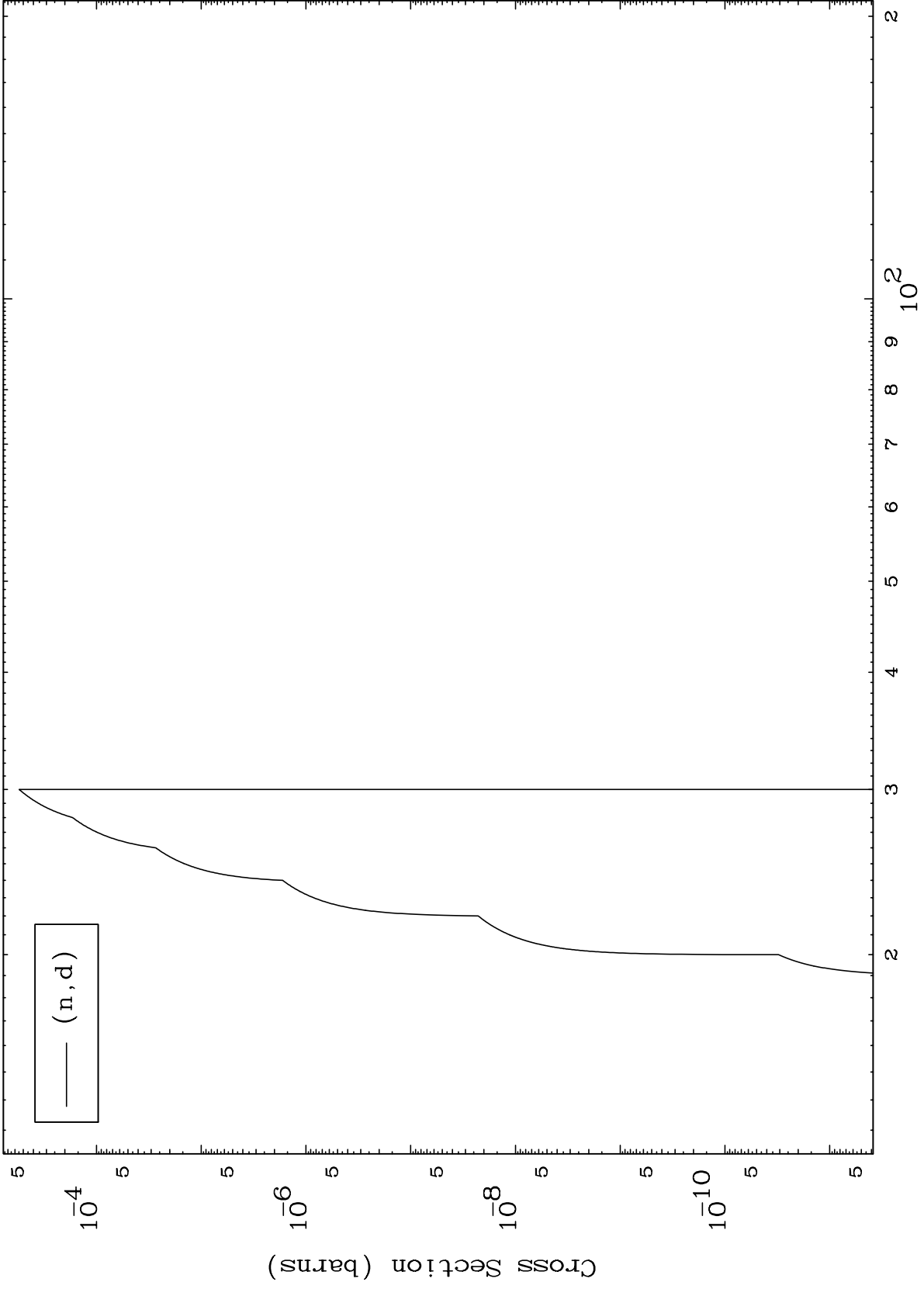
Incident Energy (MeV)

83-Bi-198n

MAT 8294

(α, d) Levels
0 Kelvin Cross Sections

$^{83}\text{Bi}-198\text{n}$



7

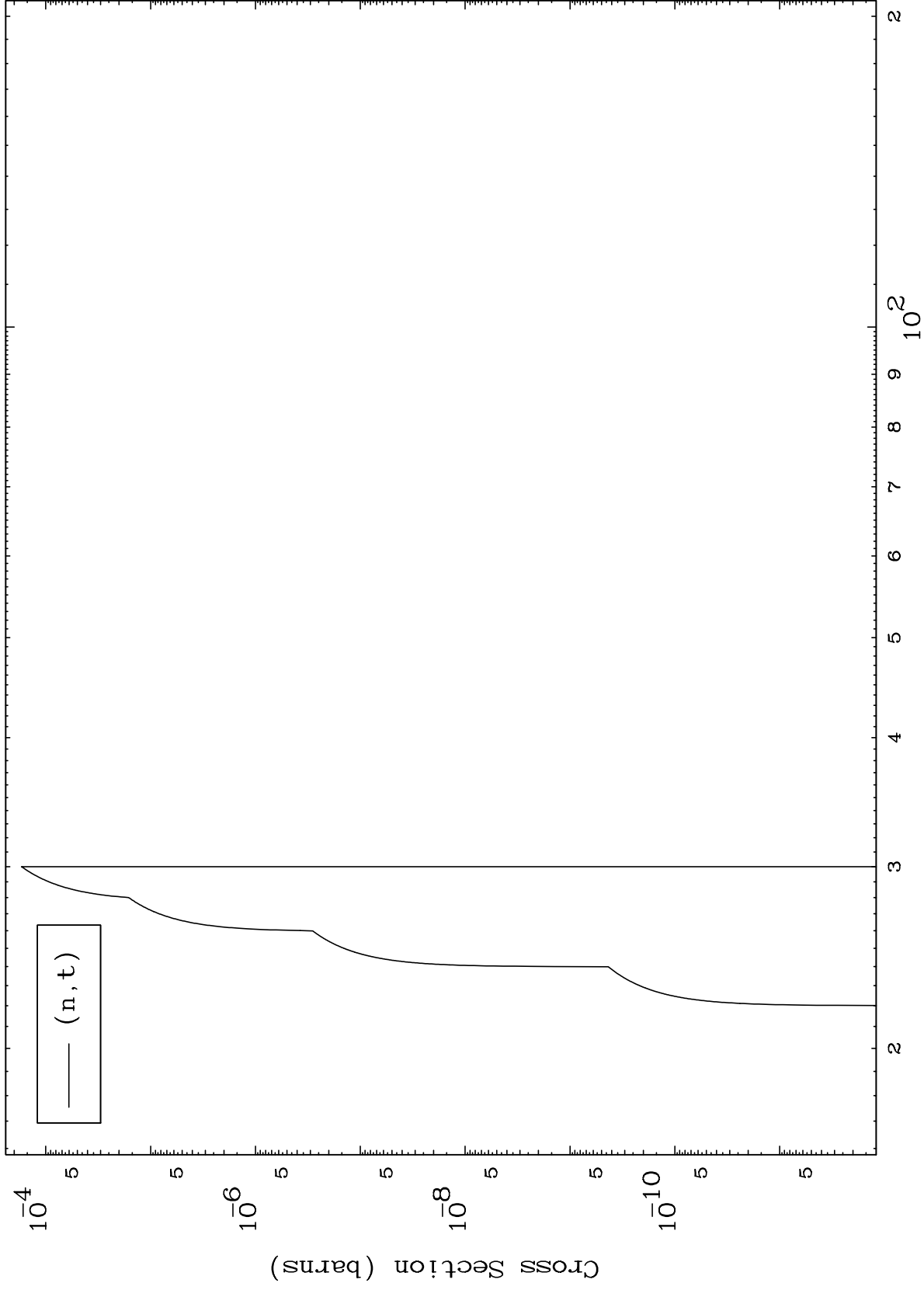
Incident Energy (MeV)

$^{83}\text{Bi}-198\text{n}$

MAT 8294

(α, t) Levels
0 Kelvin Cross Sections

83-Bi-198n

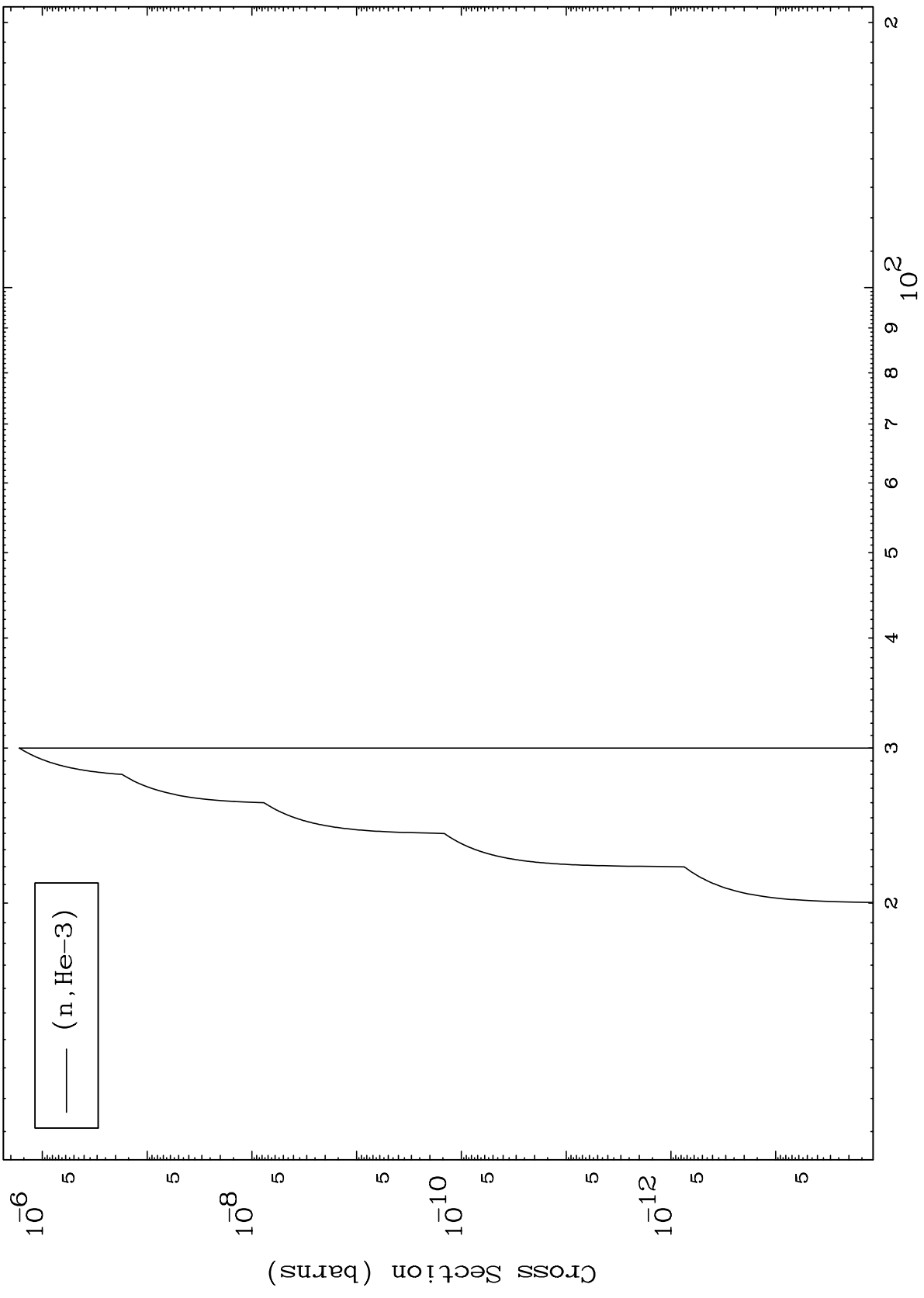


8

Incident Energy (MeV)

83-Bi-198n

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

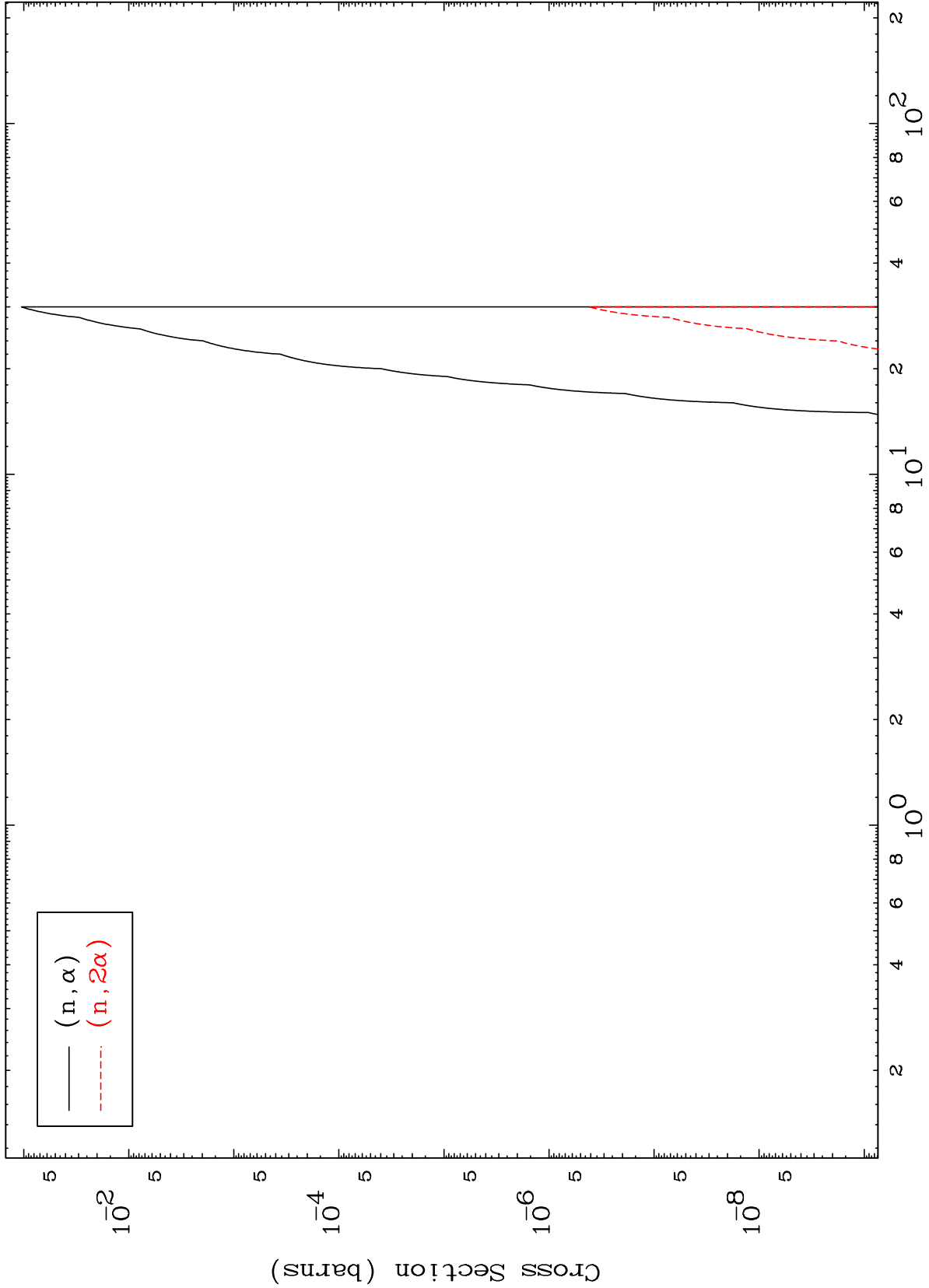


Incident Energy (MeV)

MAT 8294

(α, α) Levels
0 Kelvin Cross Sections

$^{83}\text{Bi}-198\text{n}$

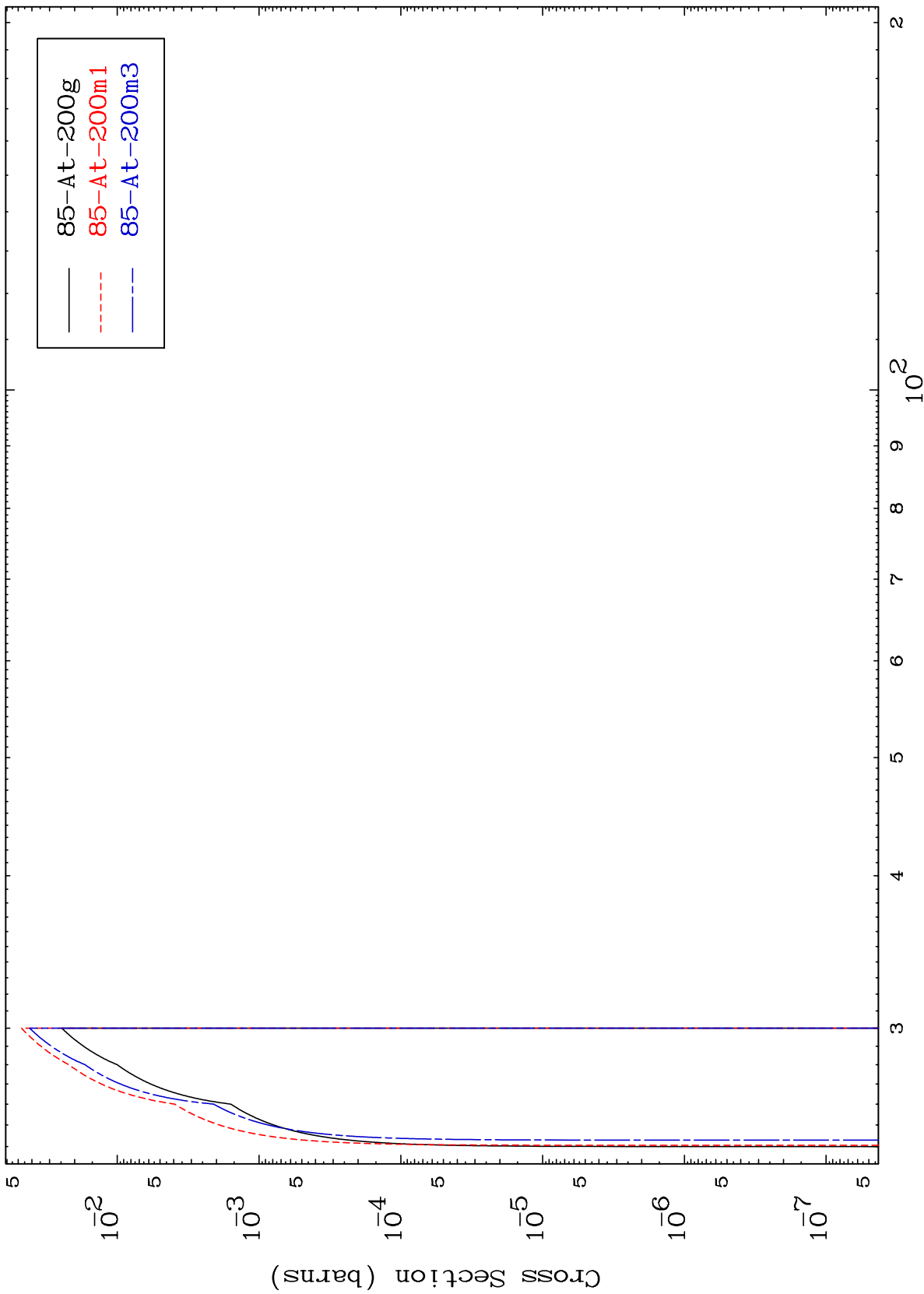


10

Incident Energy (MeV)

$^{83}\text{Bi}-198\text{n}$

(n,2n)
Radionuclide Production Cross Section

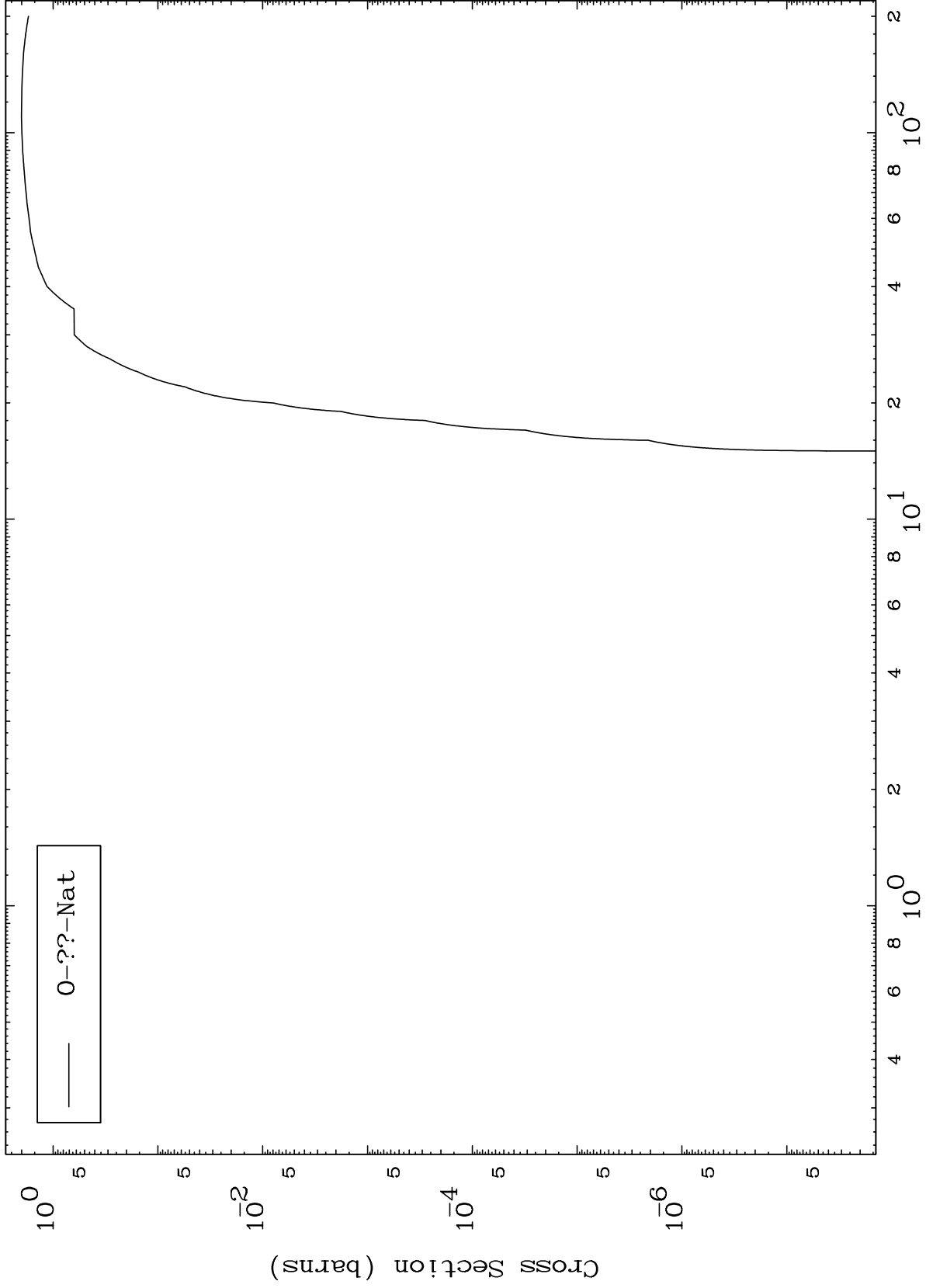


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Fission

⁸³Bi-198n

Radionuclide Production Cross Section

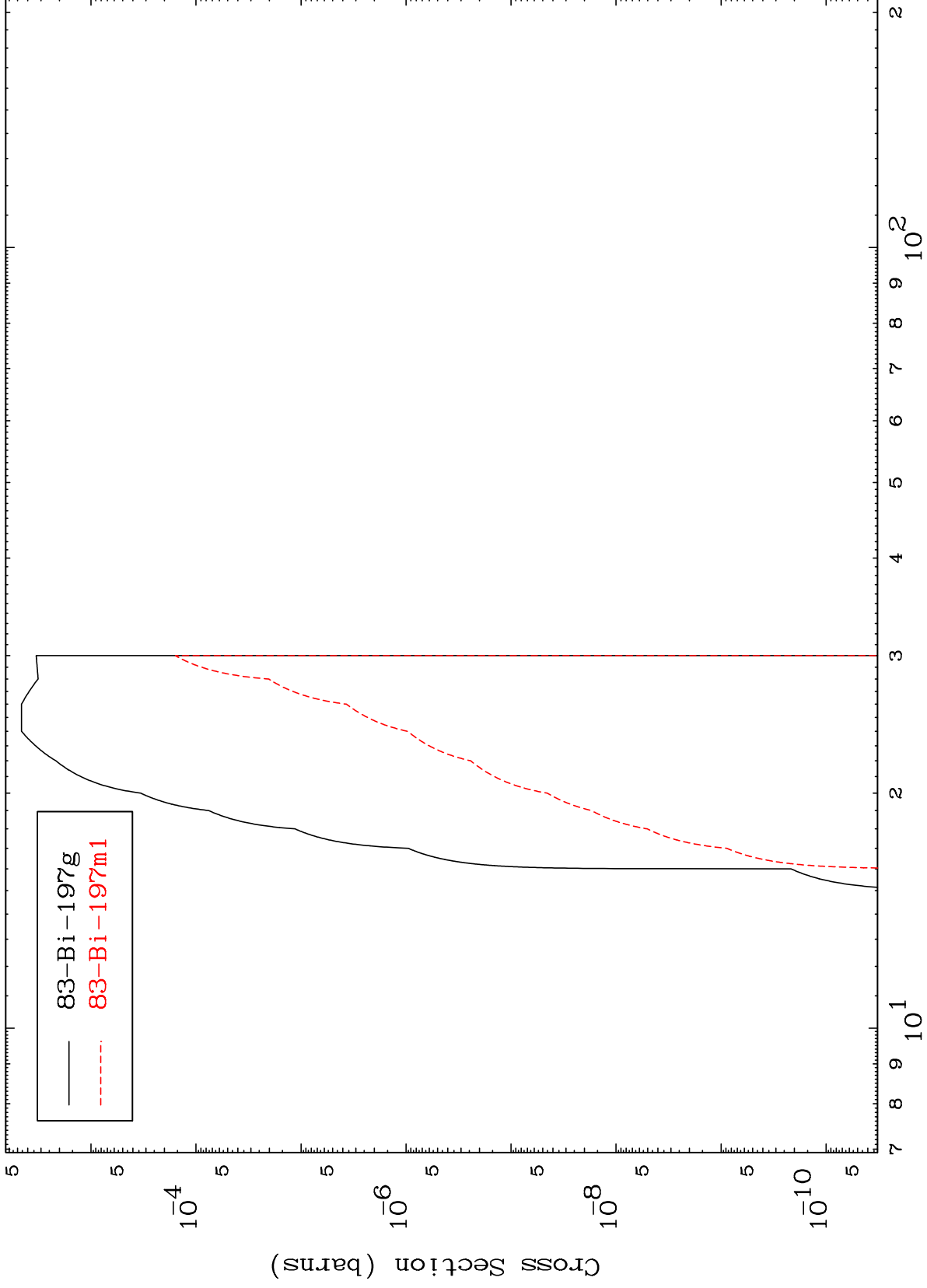


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$(n, n') \alpha$

$^{83}\text{Bi}-198n$

Radionuclide Production Cross Section



Incident Energy (MeV)

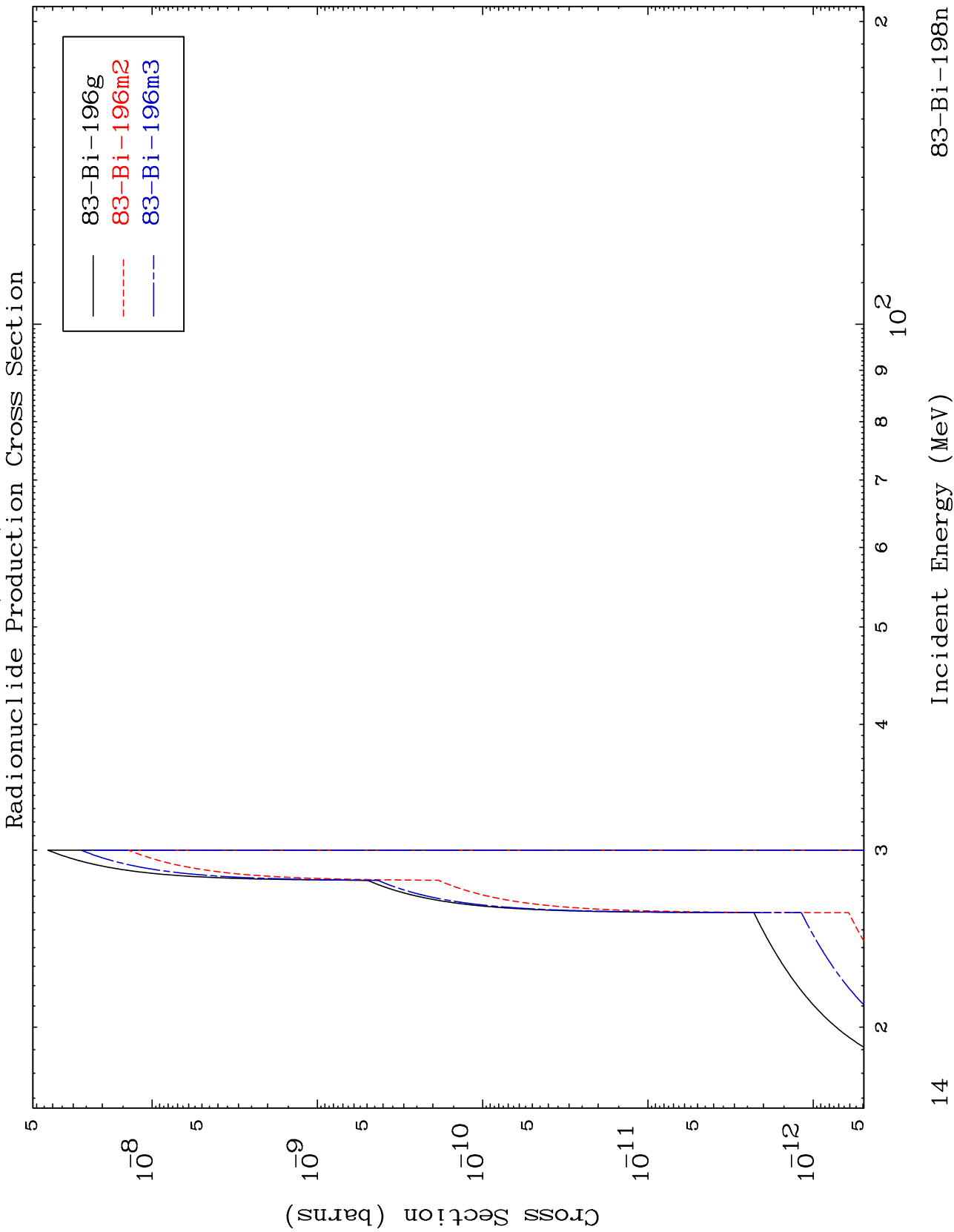
$^{83}\text{Bi}-198n$

13

MAT 8294

$(n,2n) \alpha$

$^{83}\text{Bi}-198\text{n}$



14

Incident Energy (MeV)

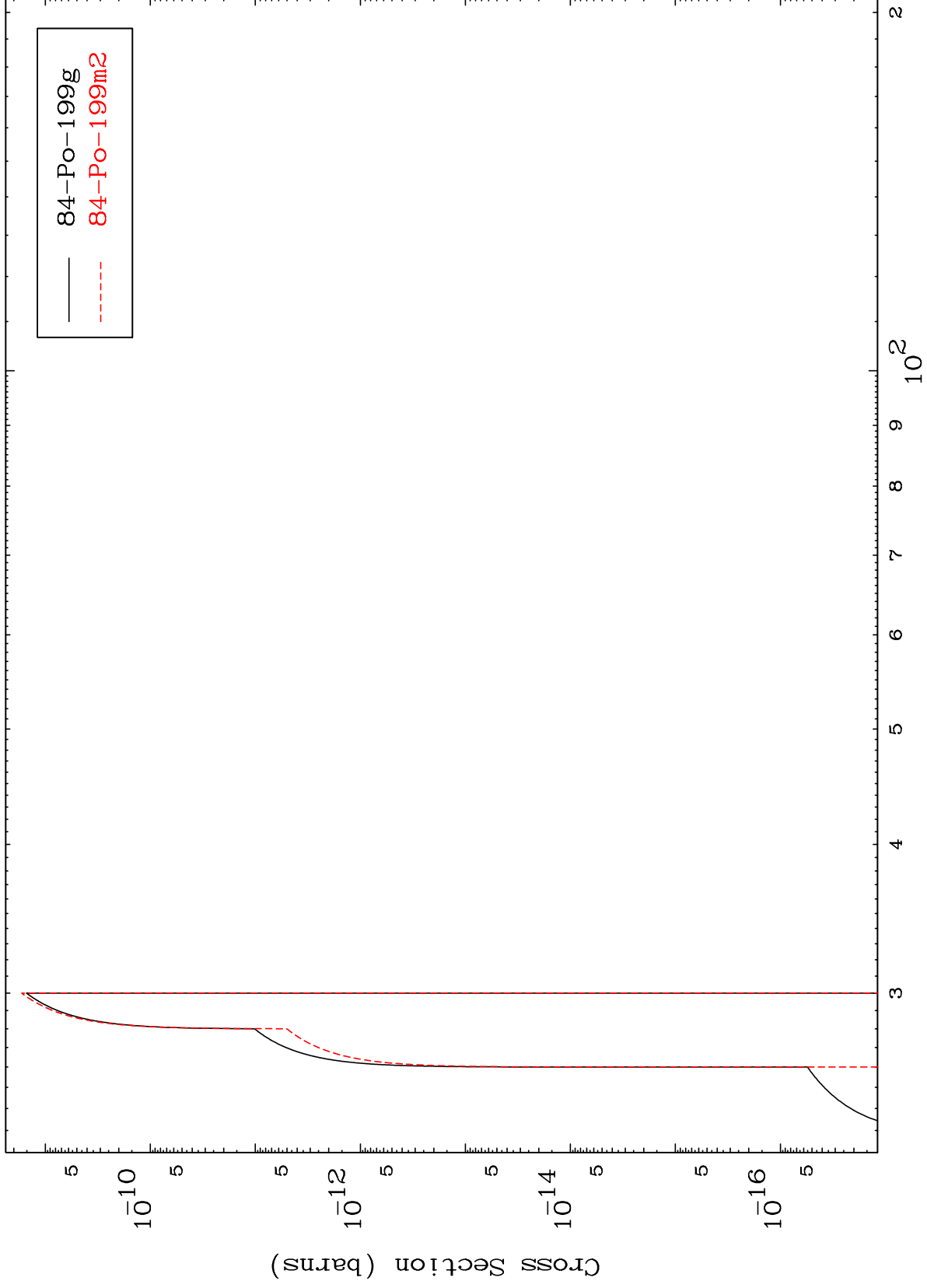
$^{83}\text{Bi}-198\text{n}$

MAT 8294

(n,n') d

83-Bi-198n

Radionuclide Production Cross Section



15

Incident Energy (MeV)

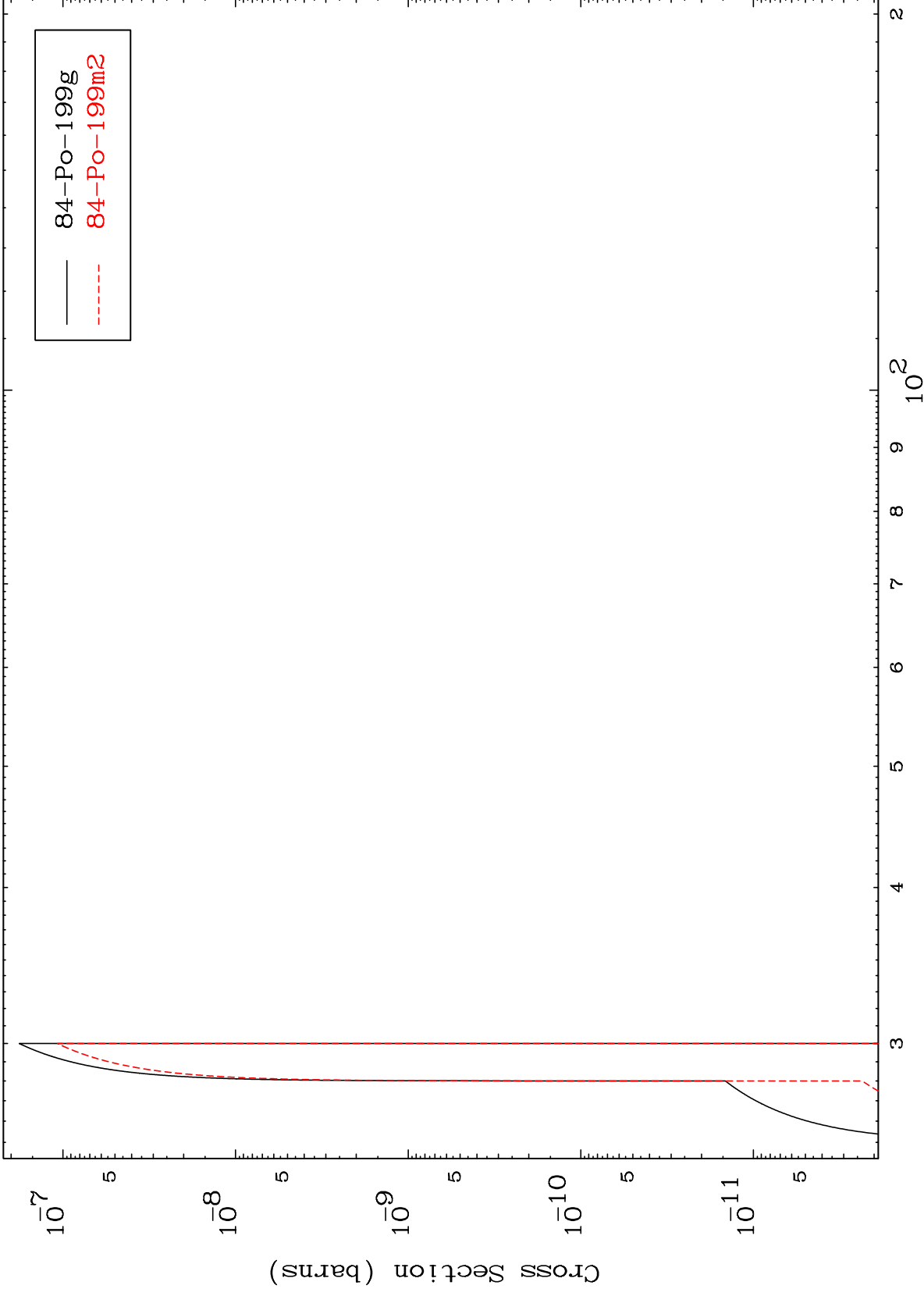
83-Bi-198n

MAT 8294

(n,2n) p

83-Bi-198n

Radionuclide Production Cross Section



16

Incident Energy (MeV)

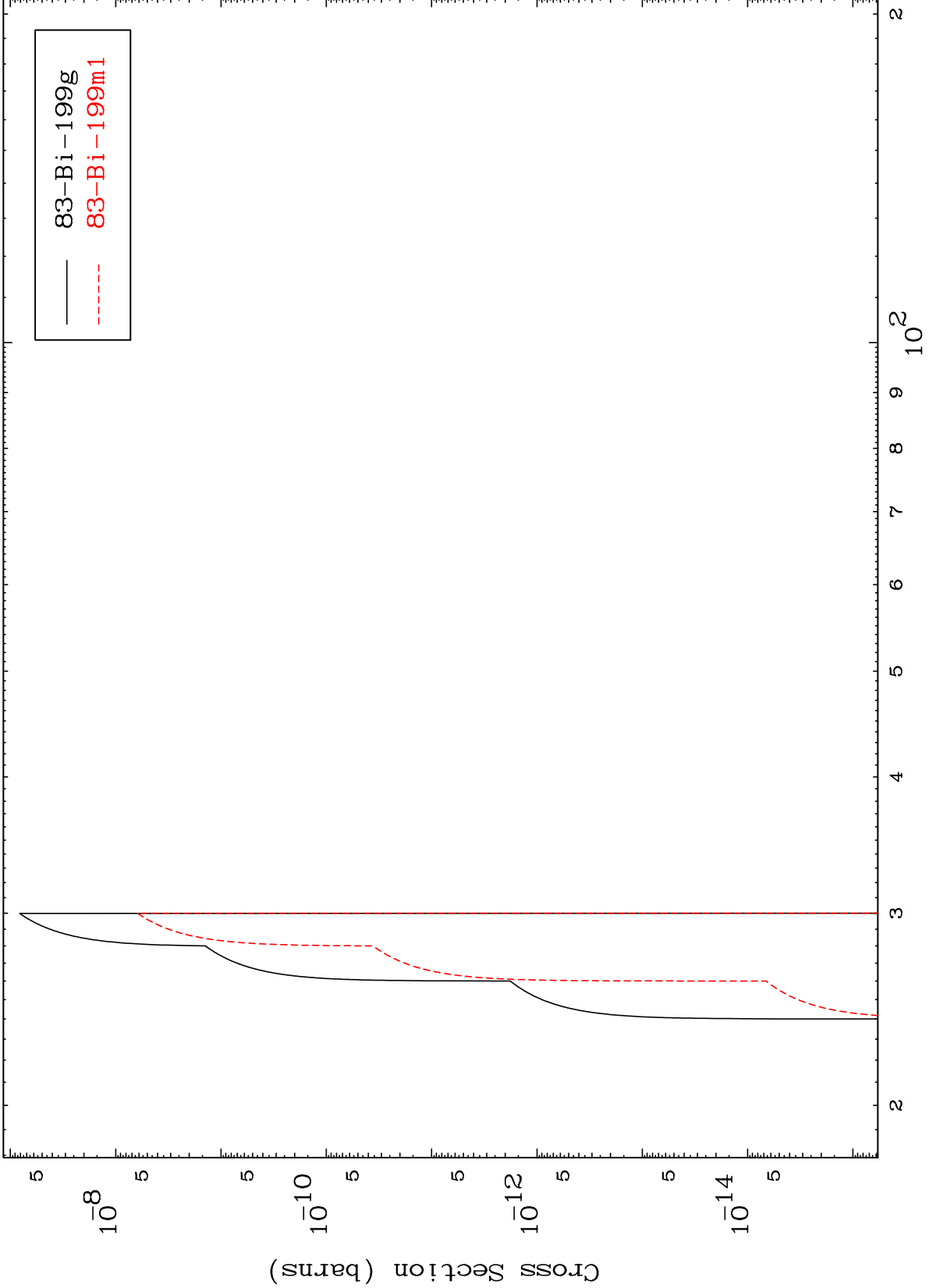
83-Bi-198n

MAT 8294

$(n,2n)$ p

$^{83}\text{Bi}-198n$

Radionuclide Production Cross Section



17

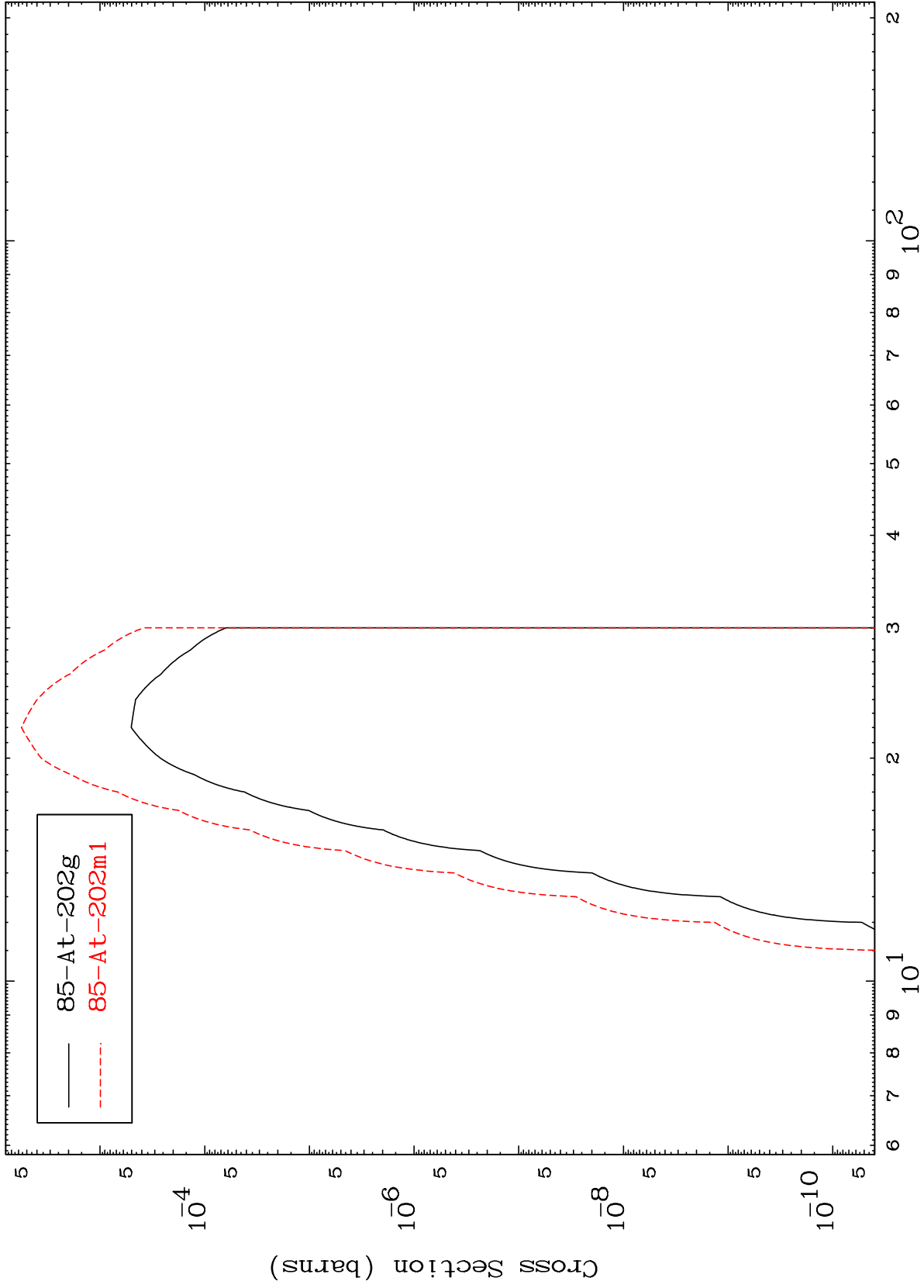
Incident Energy (MeV)

$^{83}\text{Bi}-198n$

MAT 8294

$^{83}\text{Bi-198n}$

(n, γ)
Radionuclide Production Cross Section



18

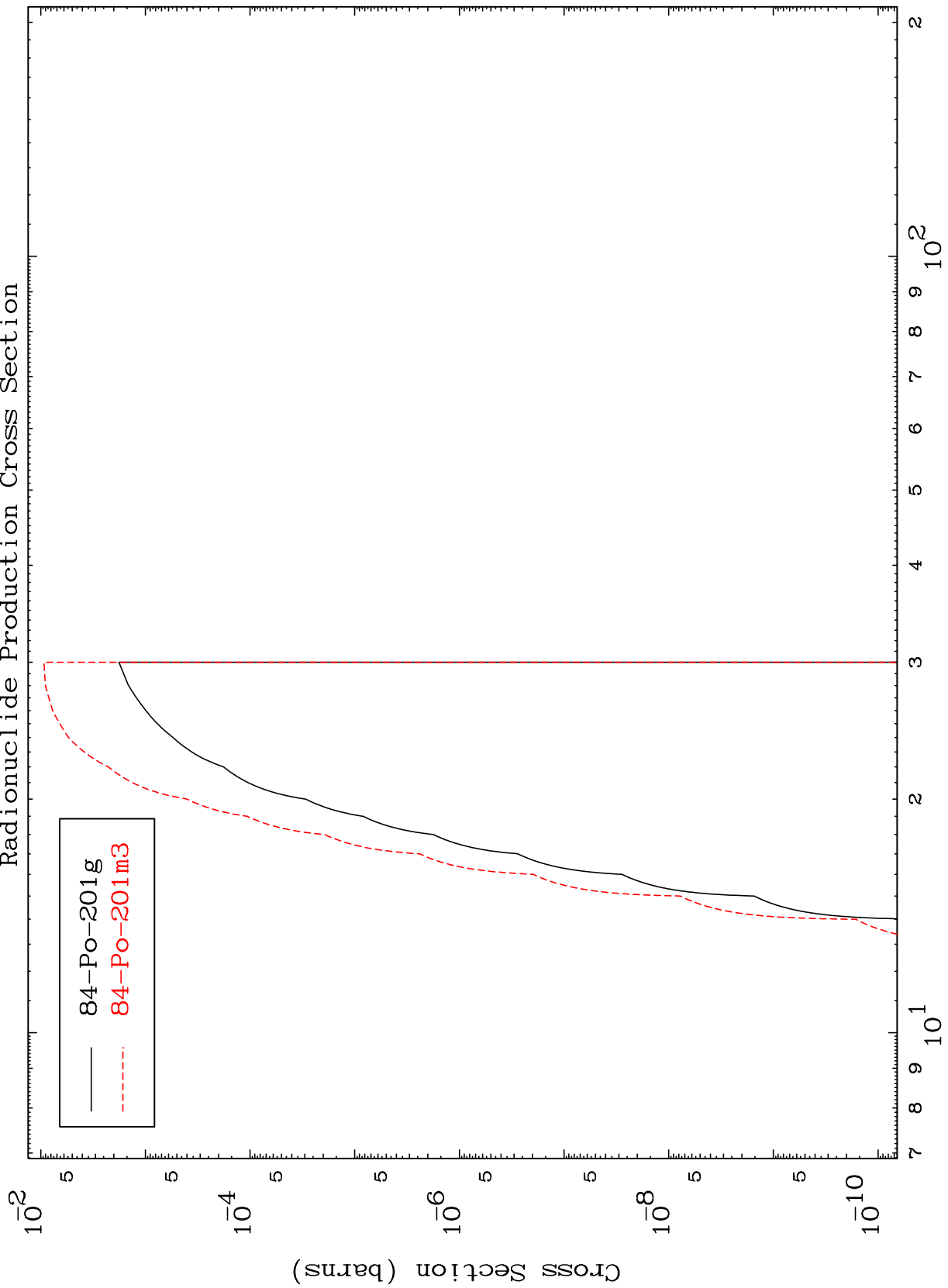
Incident Energy (MeV)

$^{83}\text{Bi-198n}$

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⁸³Bi-198n

(n,p)
Radionuclide Production Cross Section



— 84-Po-201g
- - - 84-Po-201m3

19

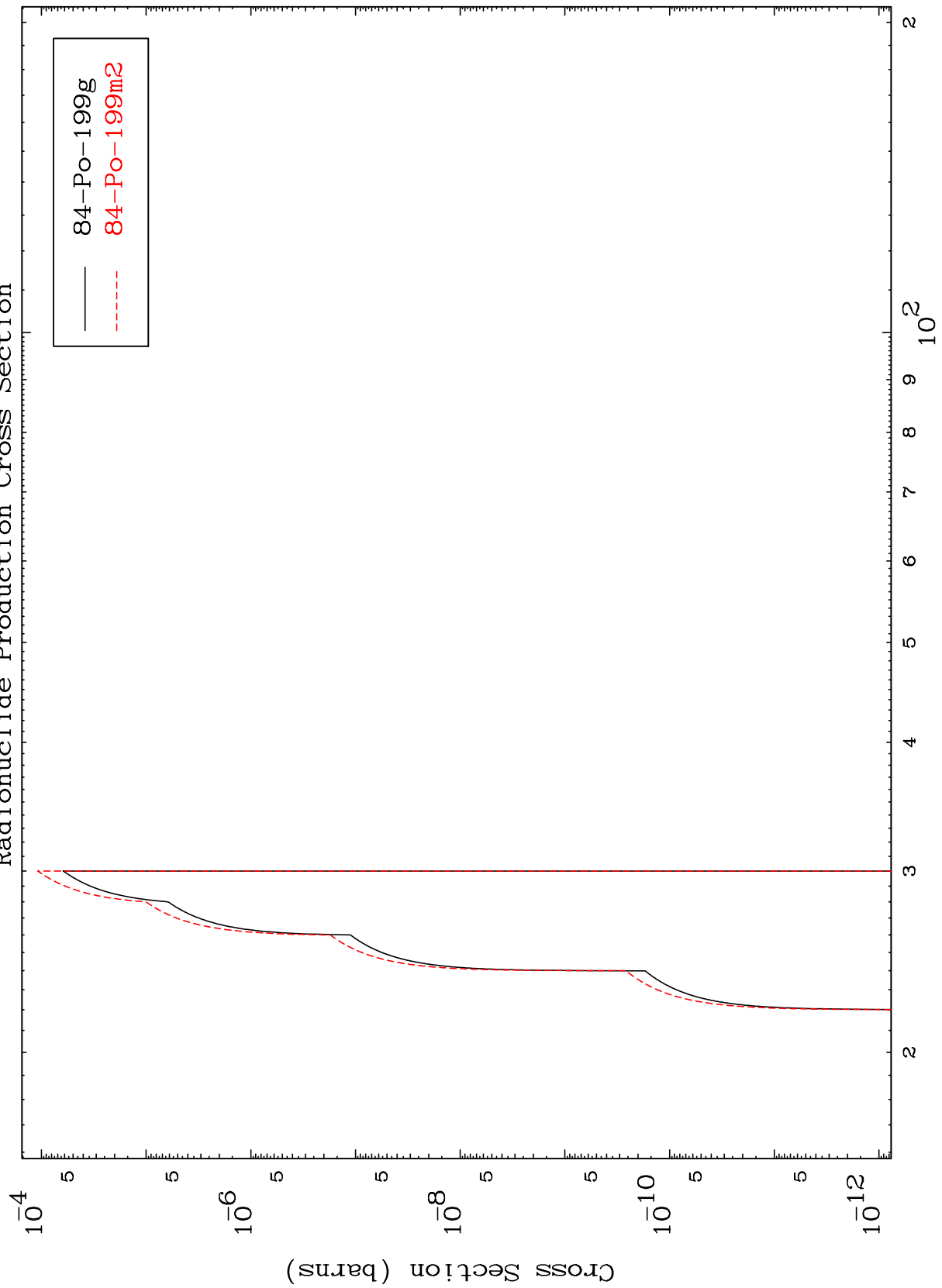
Incident Energy (MeV)

⁸³Bi-198n

MAT 8294

83-Bi-198n

(n,t)
Radionuclide Production Cross Section



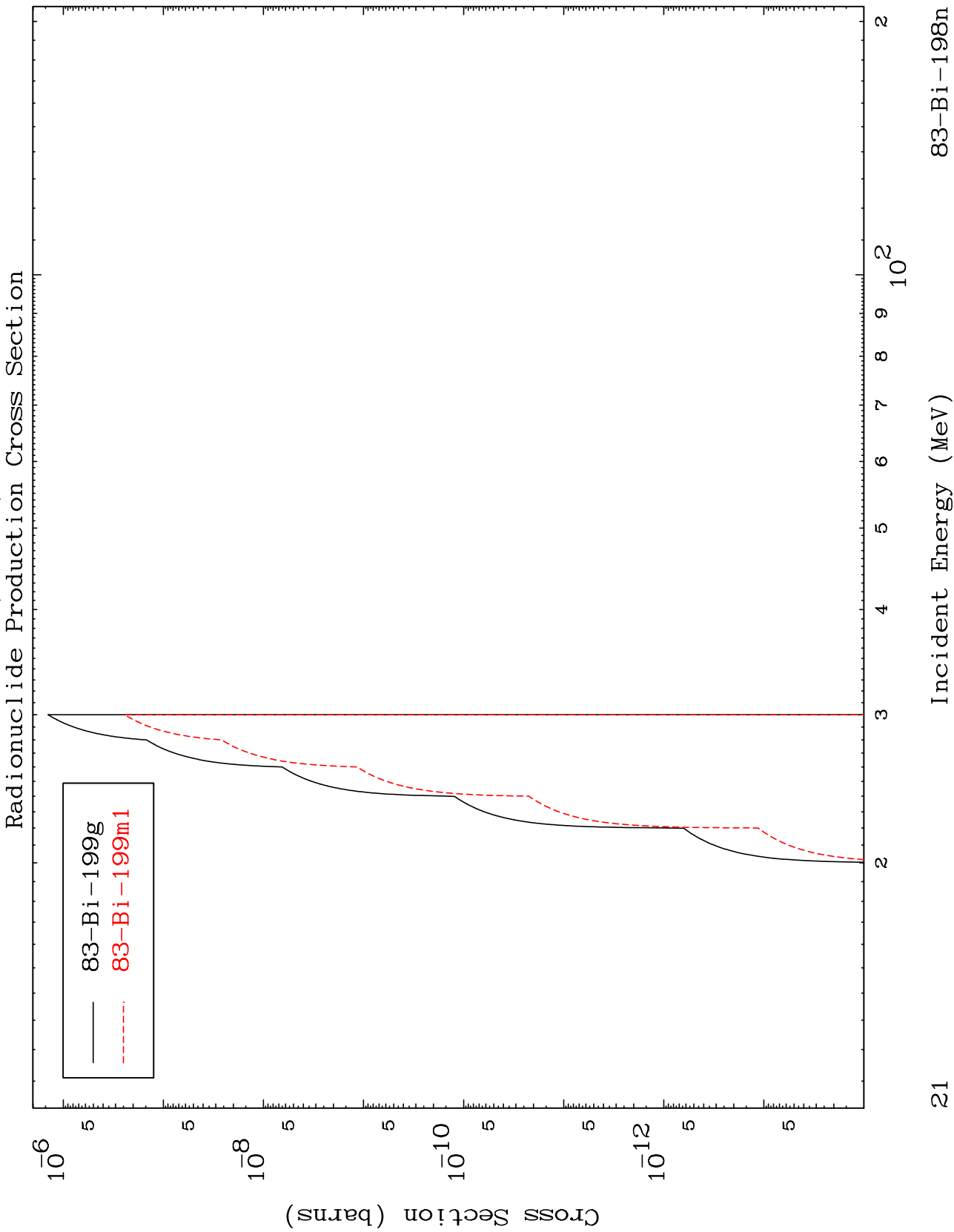
20

Incident Energy (MeV)

83-Bi-198n

MAT 8294

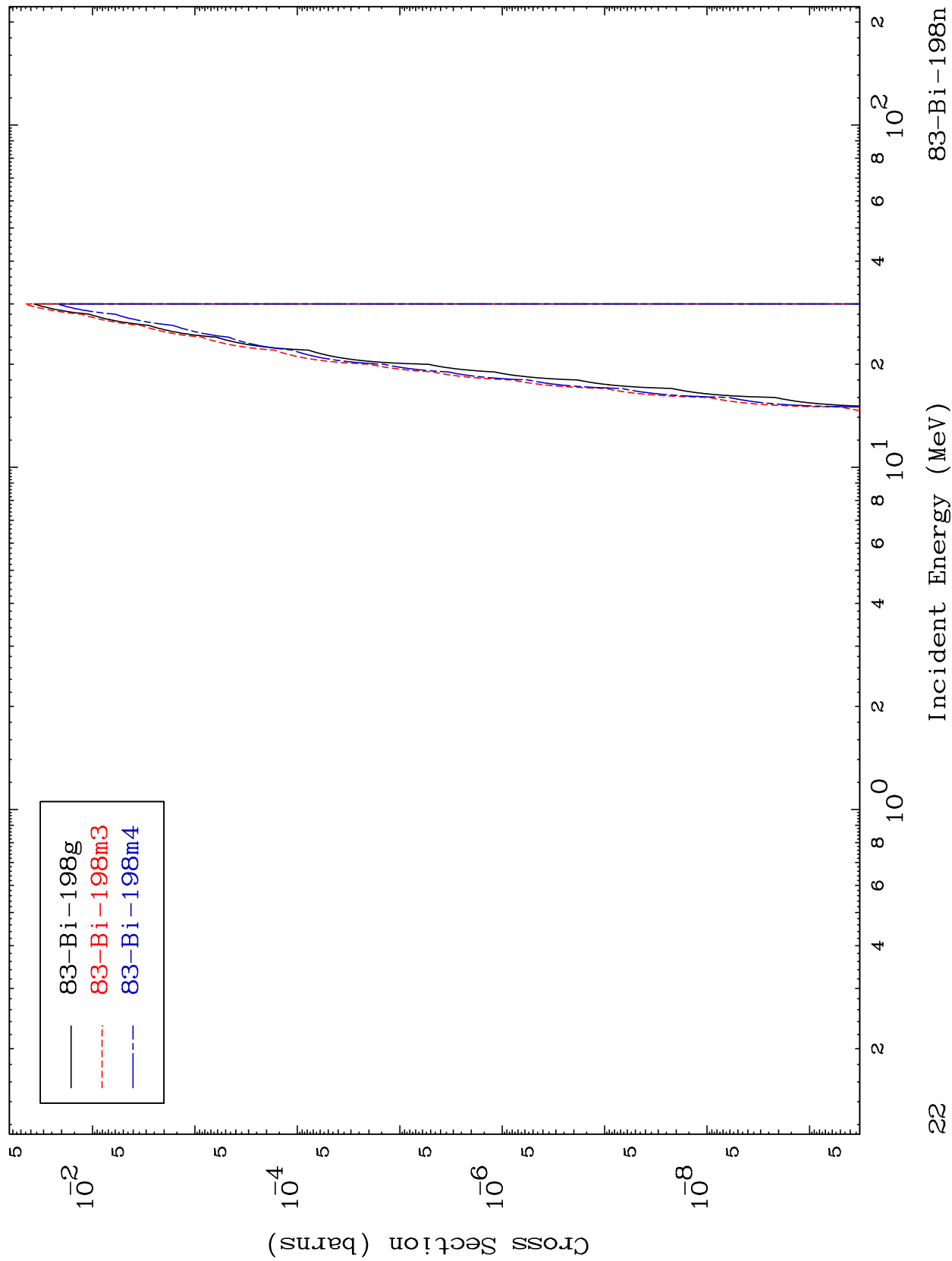
$^{83}\text{Bi}-198\text{n}$



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⁸³Bi-198n

(n,α)
Radionuclide Production Cross Section



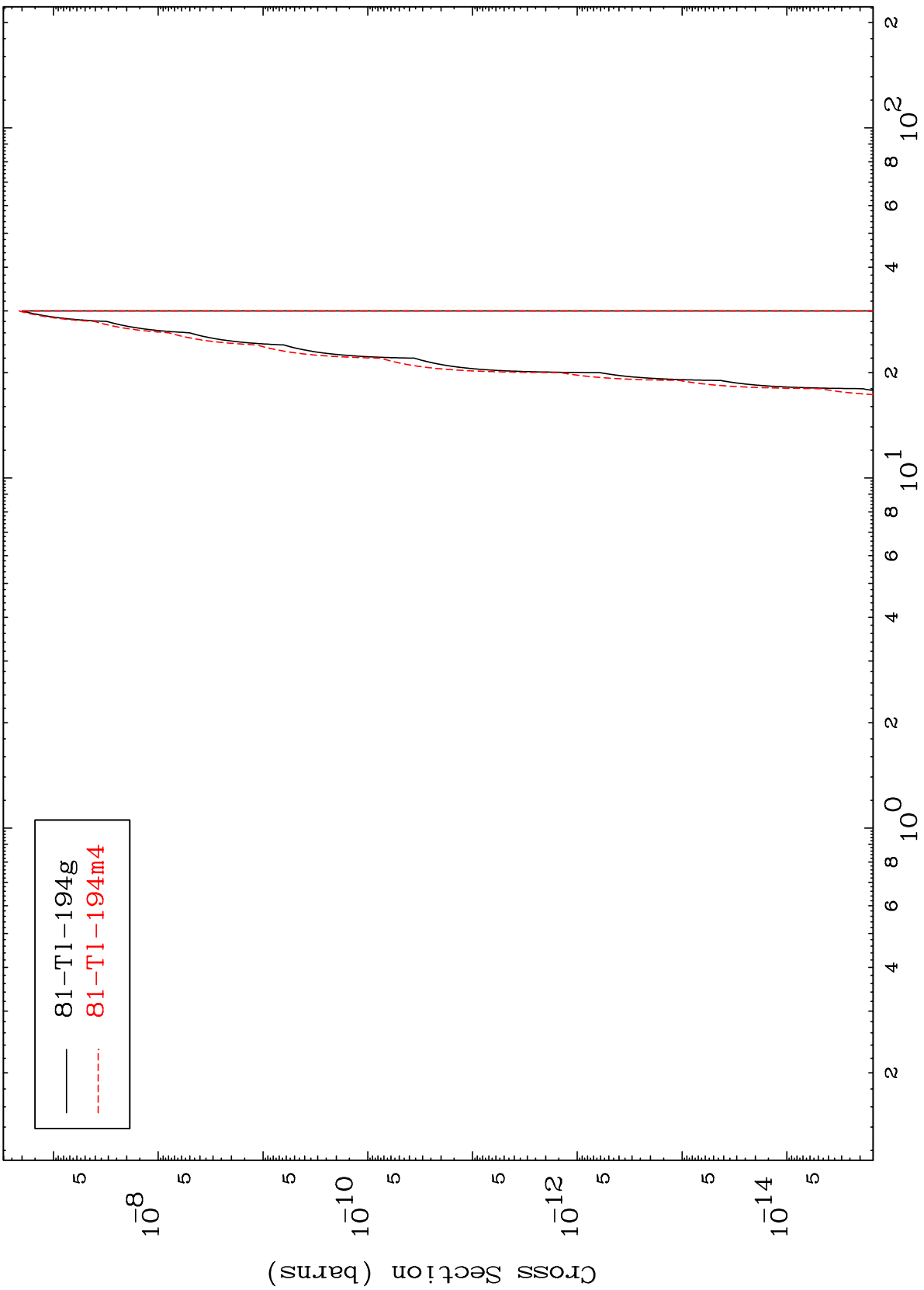
⁸³Bi-198n

MAT 8294

(n,2α)

83-Bi-198n

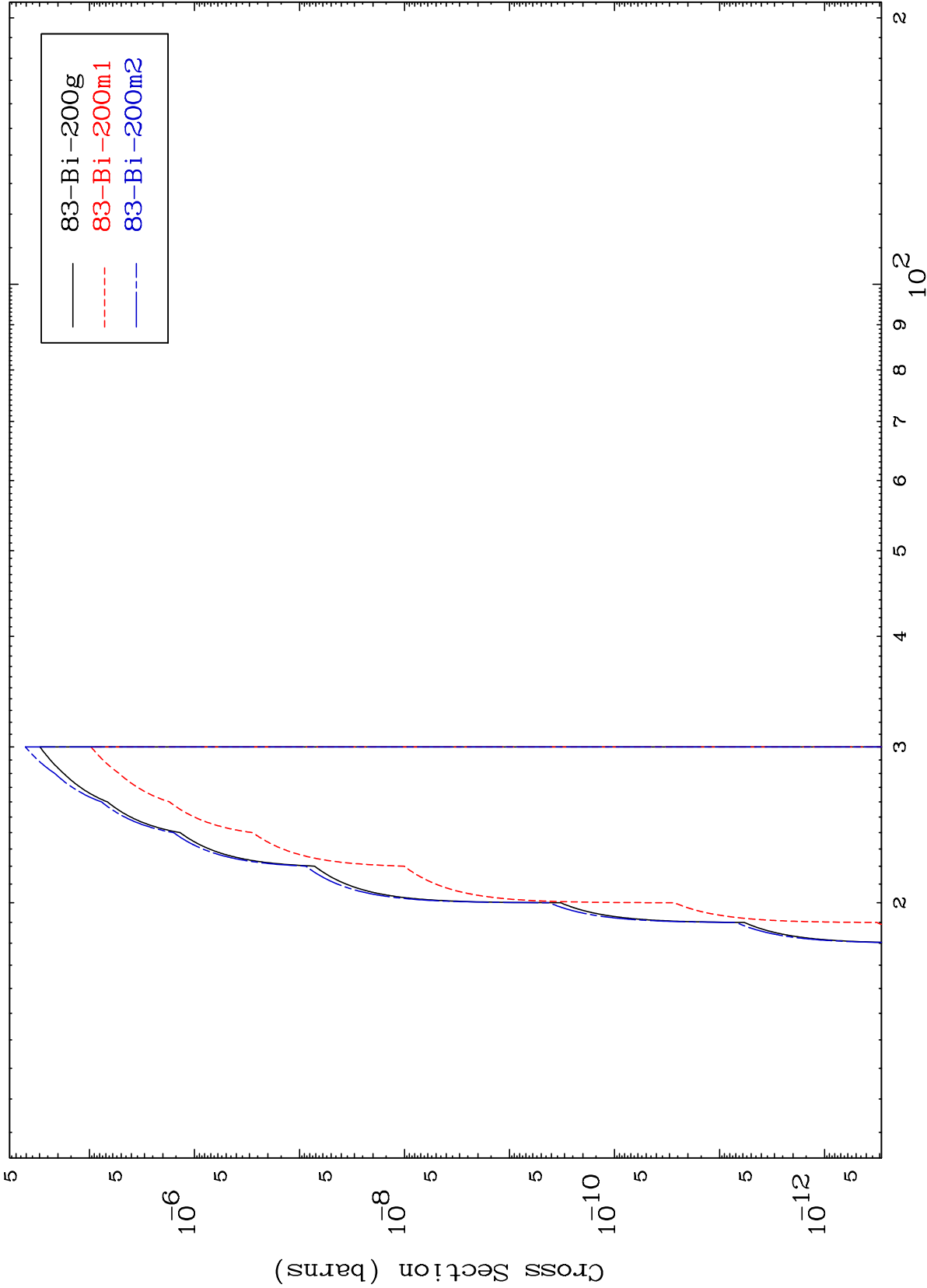
Radionuclide Production Cross Section



MAT 8294

⁸³Bi-198n

(n,2p)
Radionuclide Production Cross Section



24

Incident Energy (MeV)

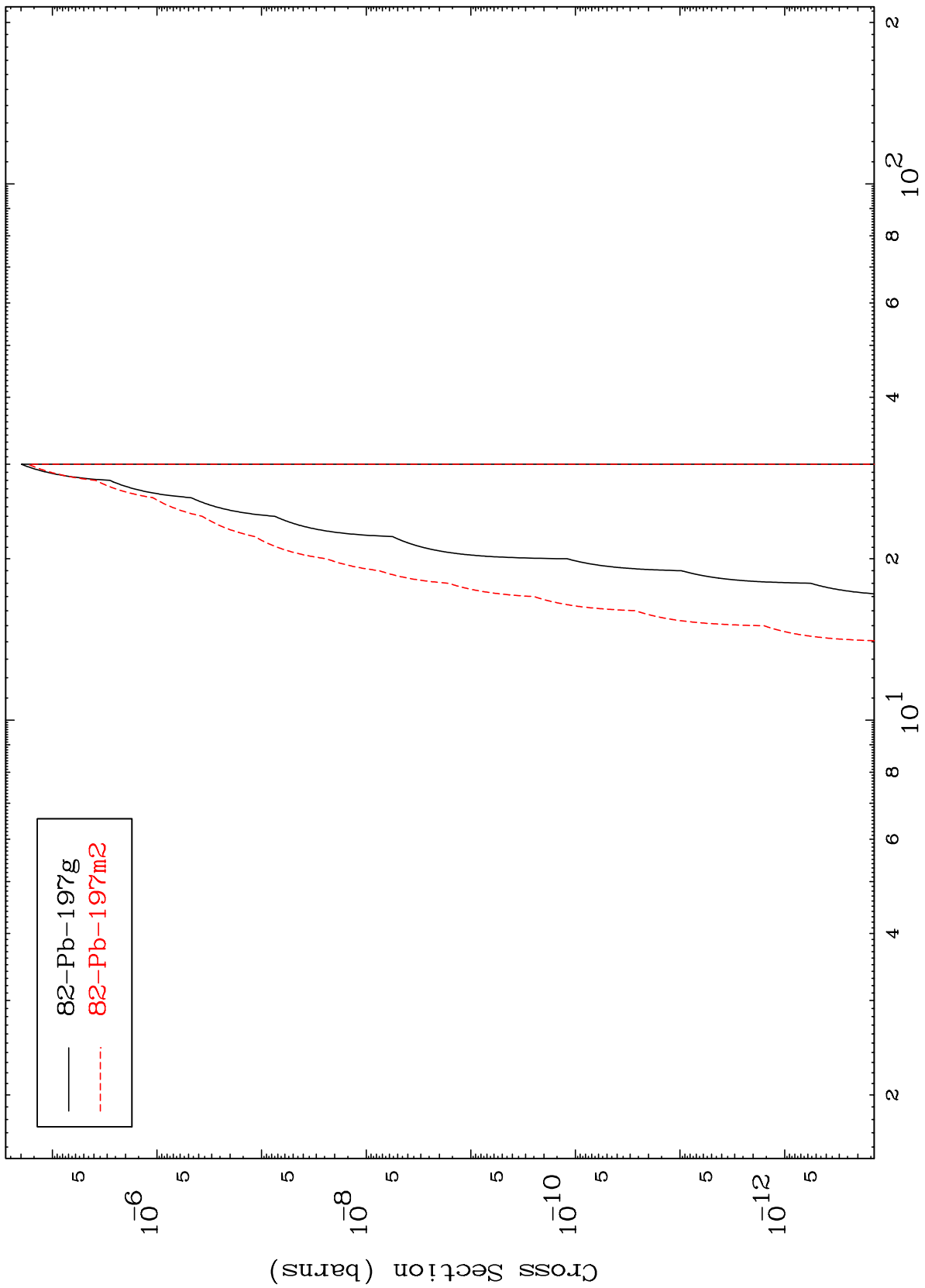
⁸³Bi-198n

MAT 8294

(n,p) α

⁸³Bi-198n

Radionuclide Production Cross Section



— 82-Pb-197g
- - - 82-Pb-197m2

25

Incident Energy (MeV)

⁸³Bi-198n