

Program EVALPLOT
(Version 2021-1)

by

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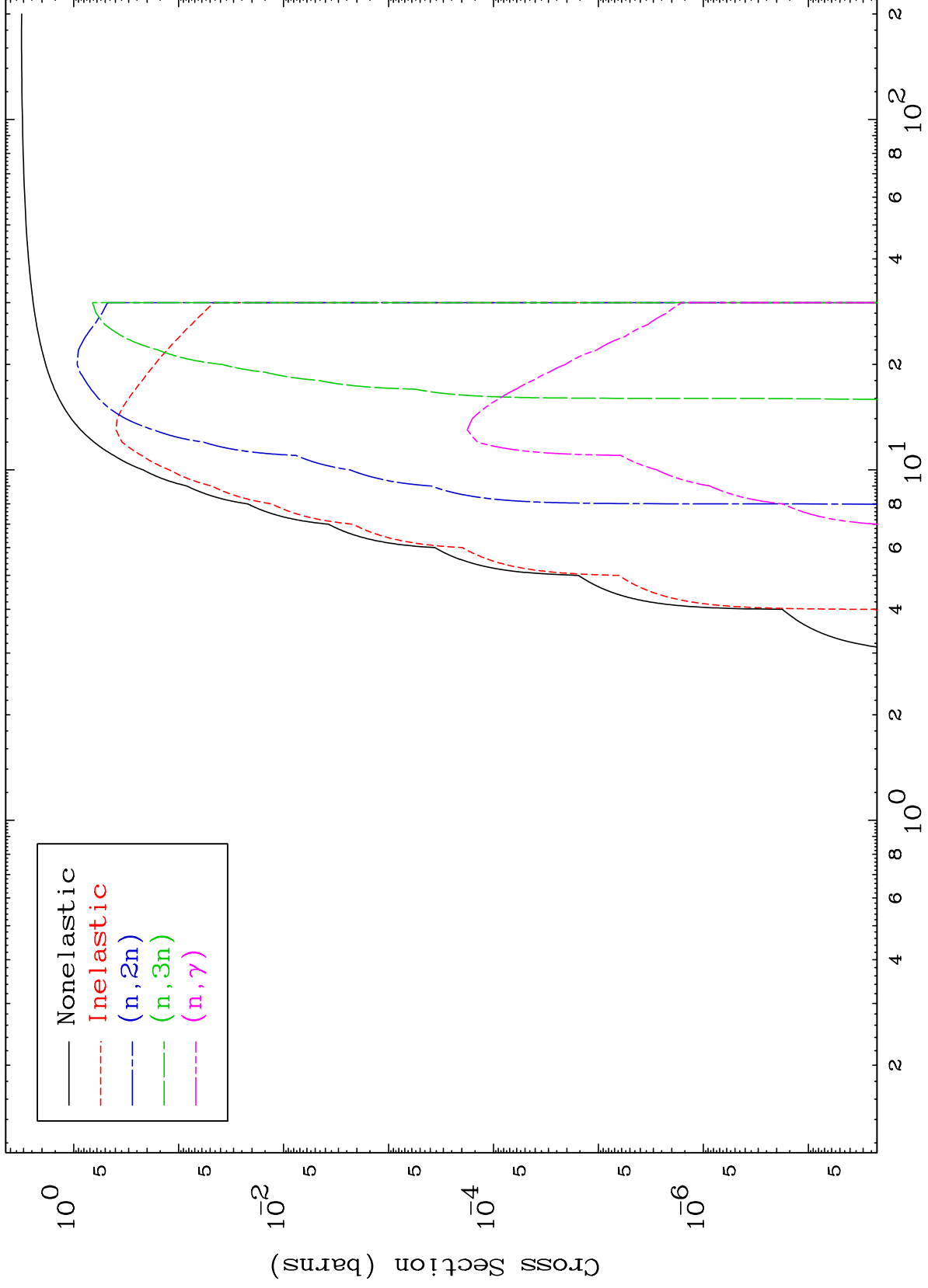
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8296

Deuteron Major
0 Kelvin Cross Sections

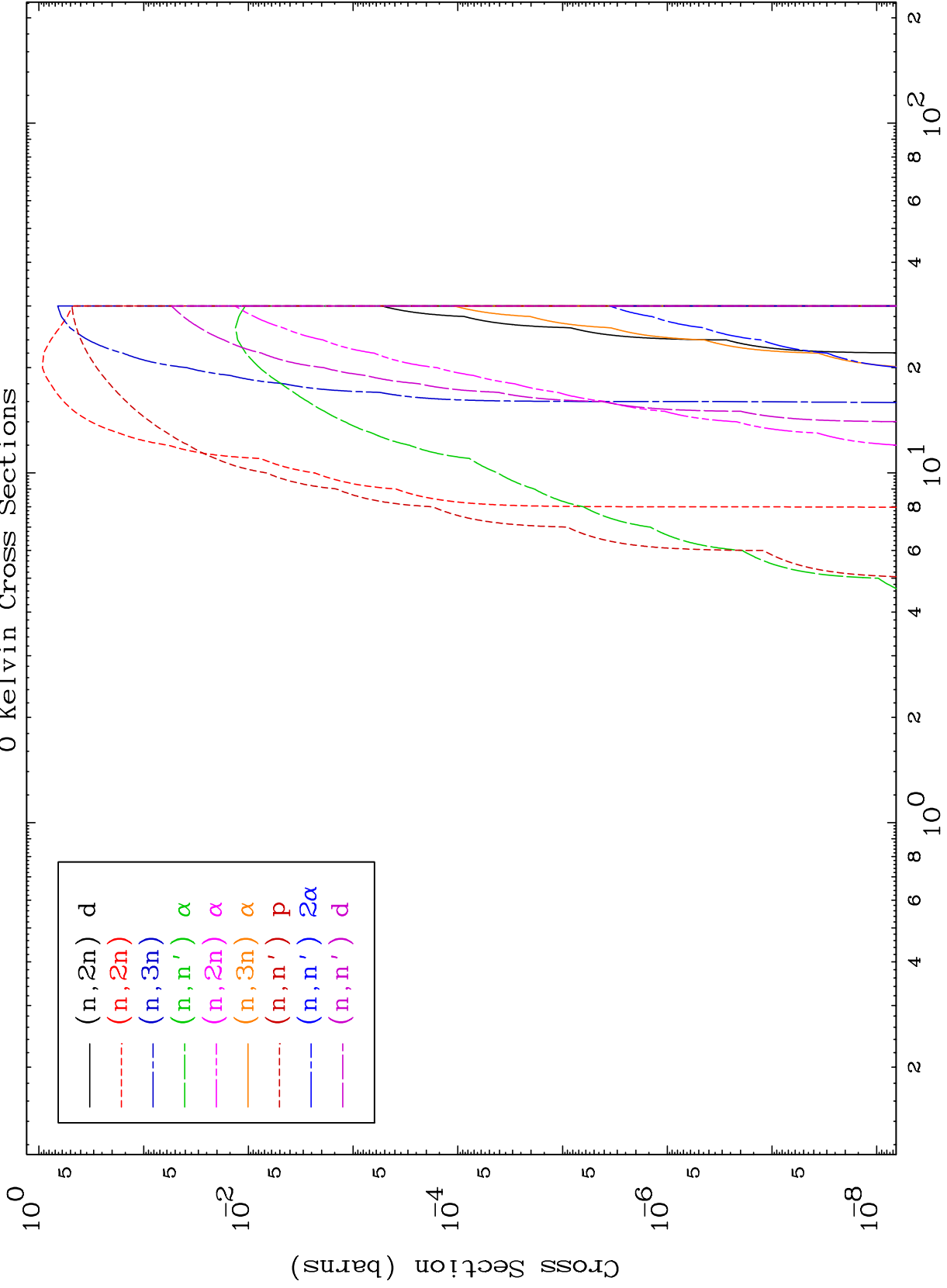
83-Bi-199m

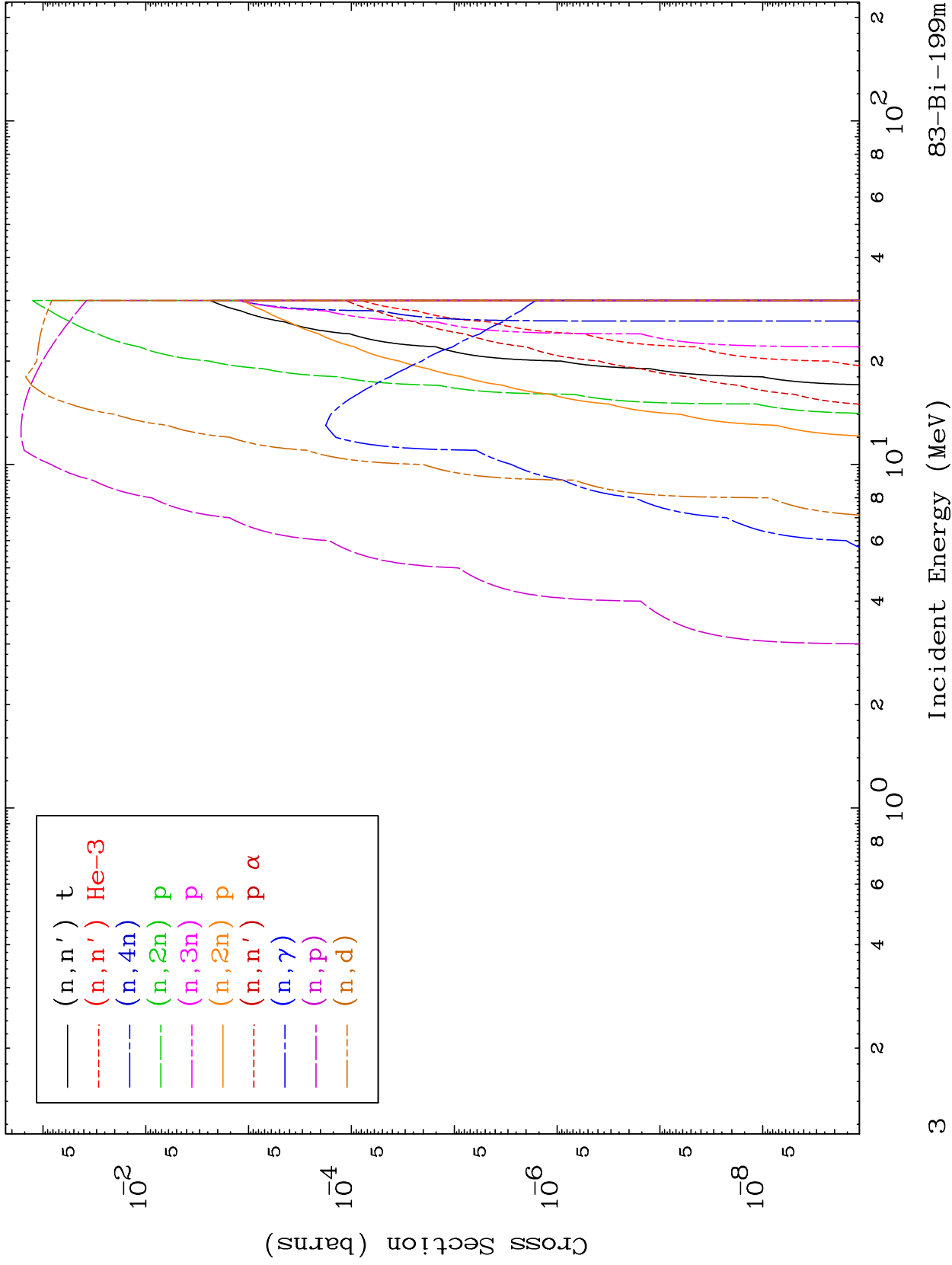


MAT 8296

Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-199m

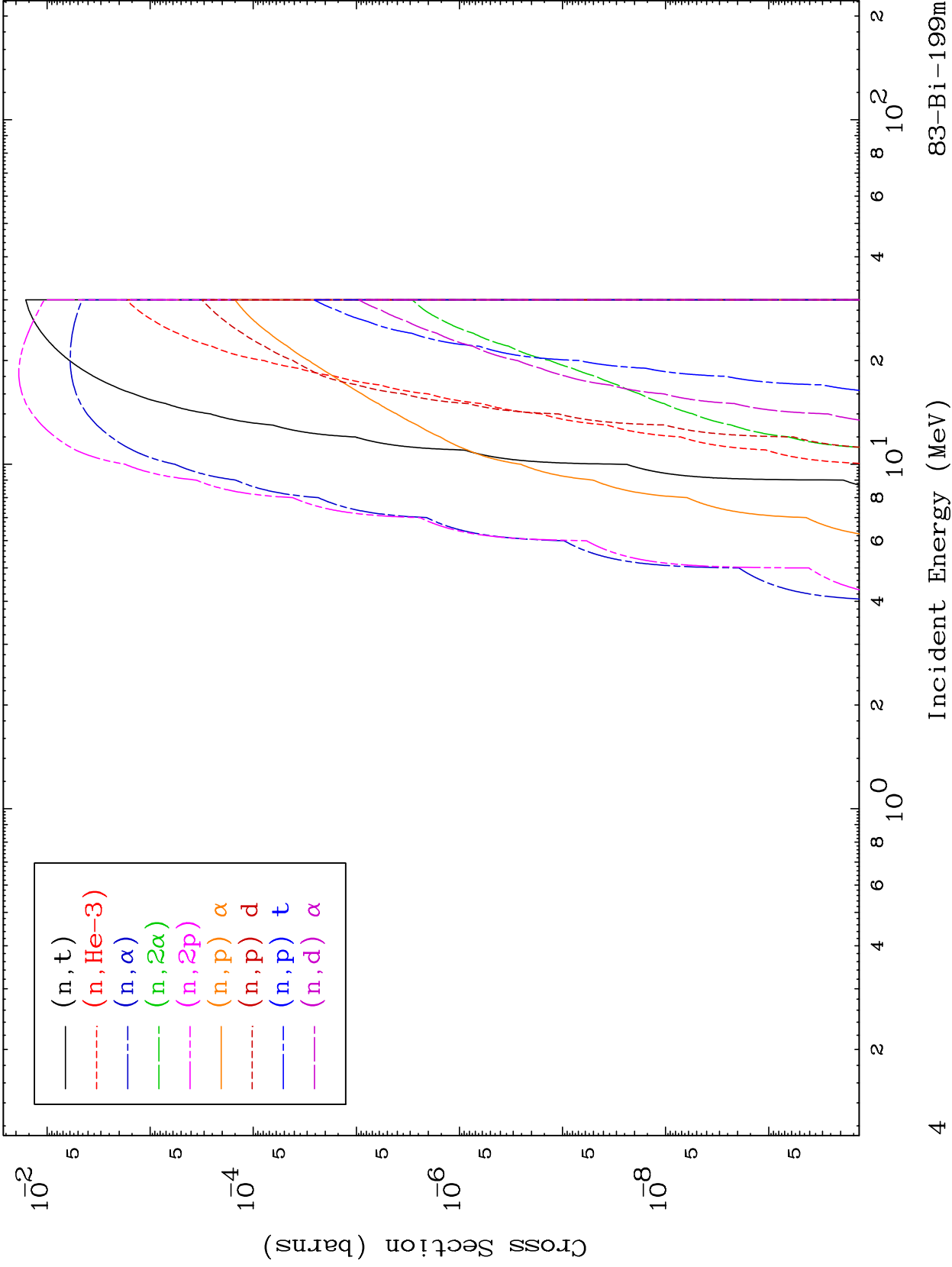


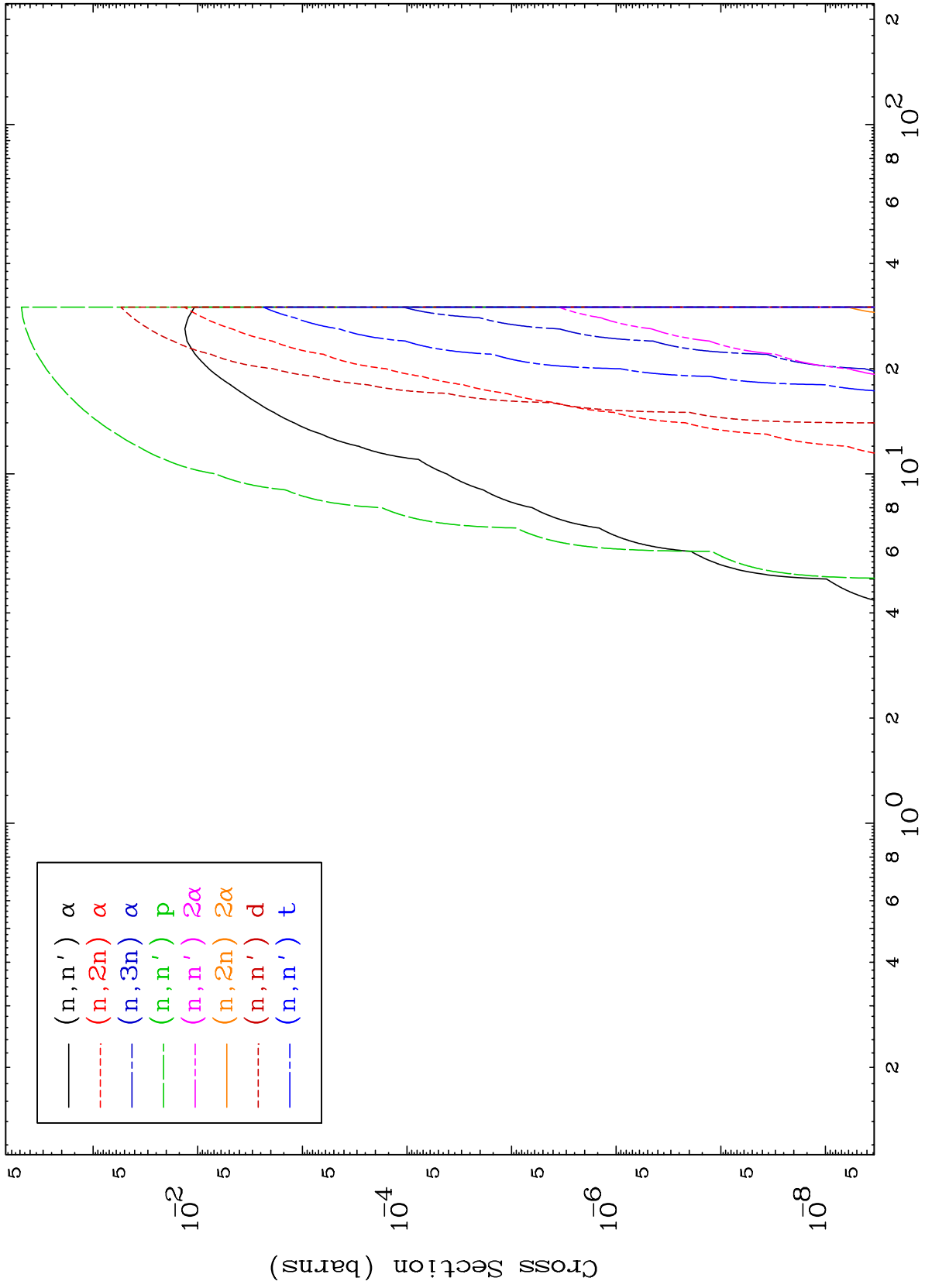


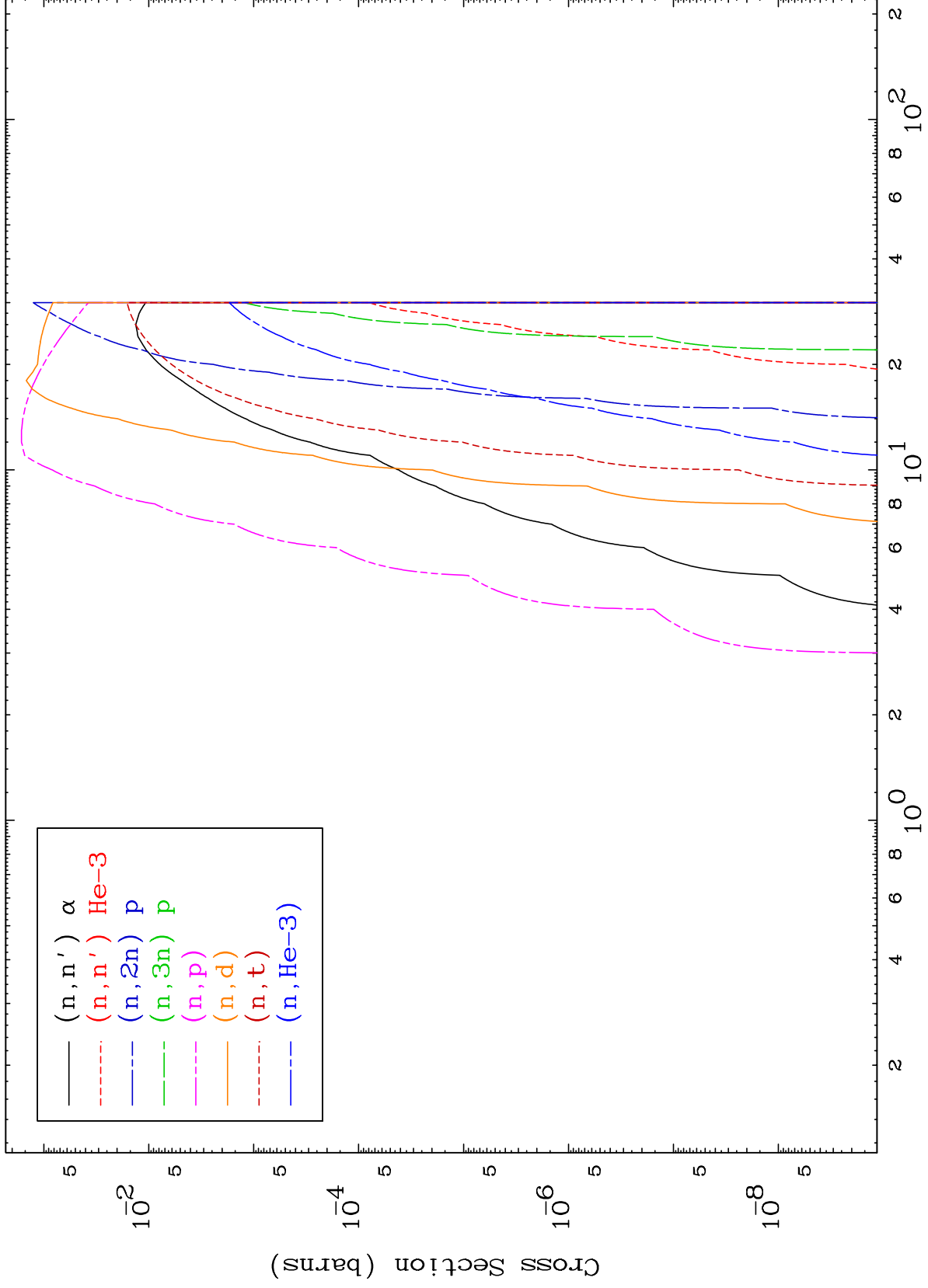
MAT 8296

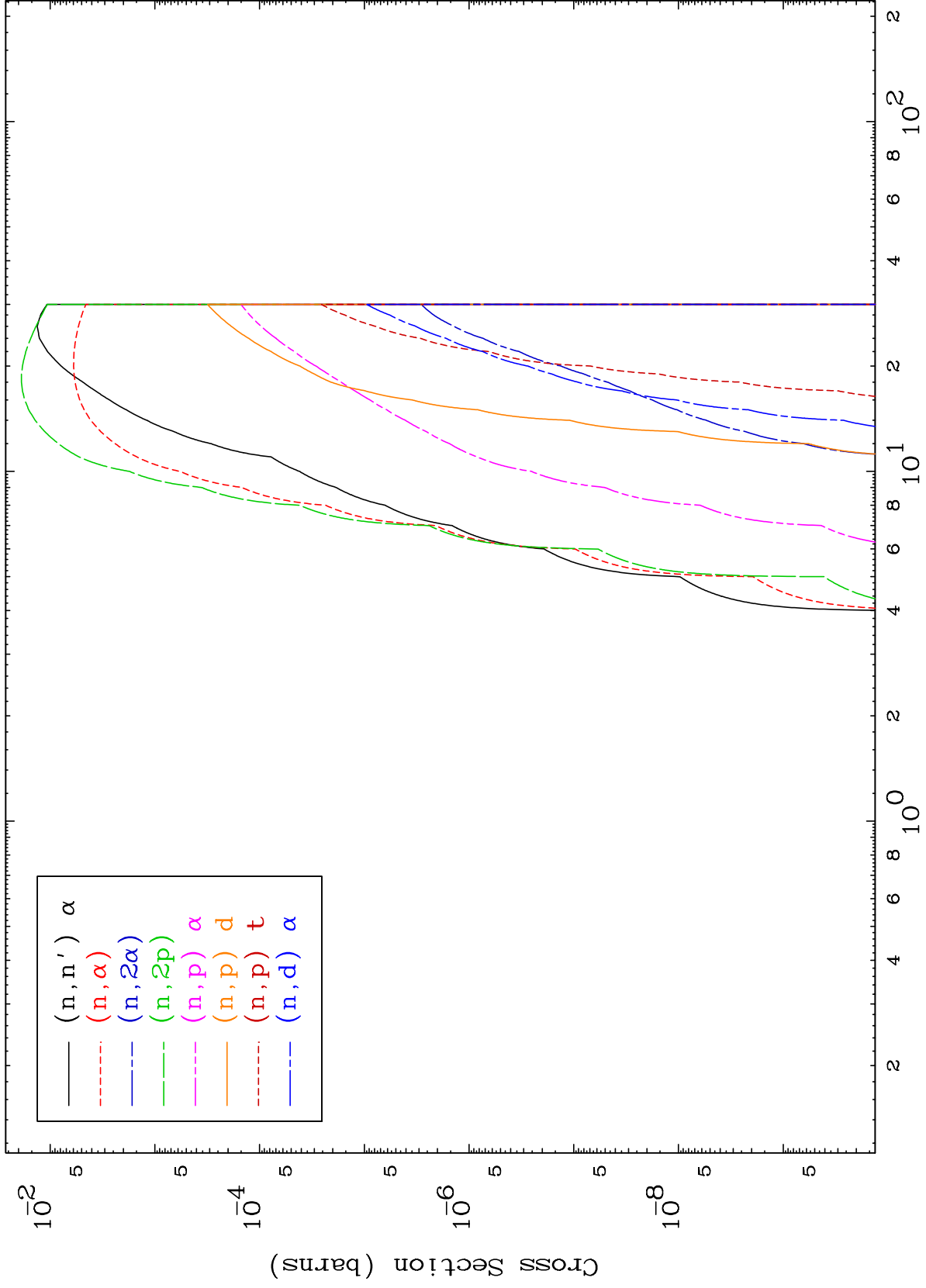
Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-199m







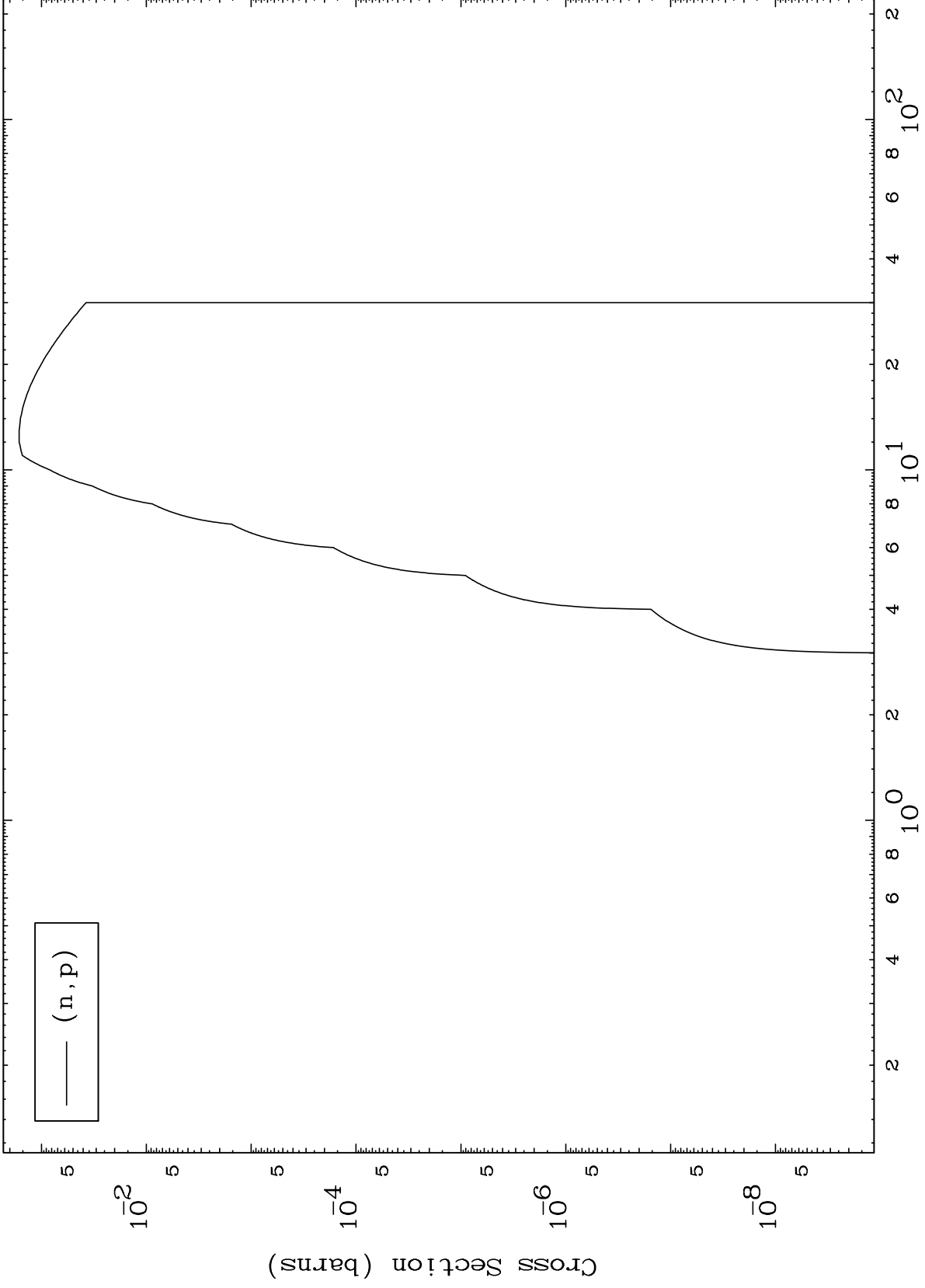


MAT 8296

(d,p) Levels

⁸³Bi-199m

0 Kelvin Cross Sections

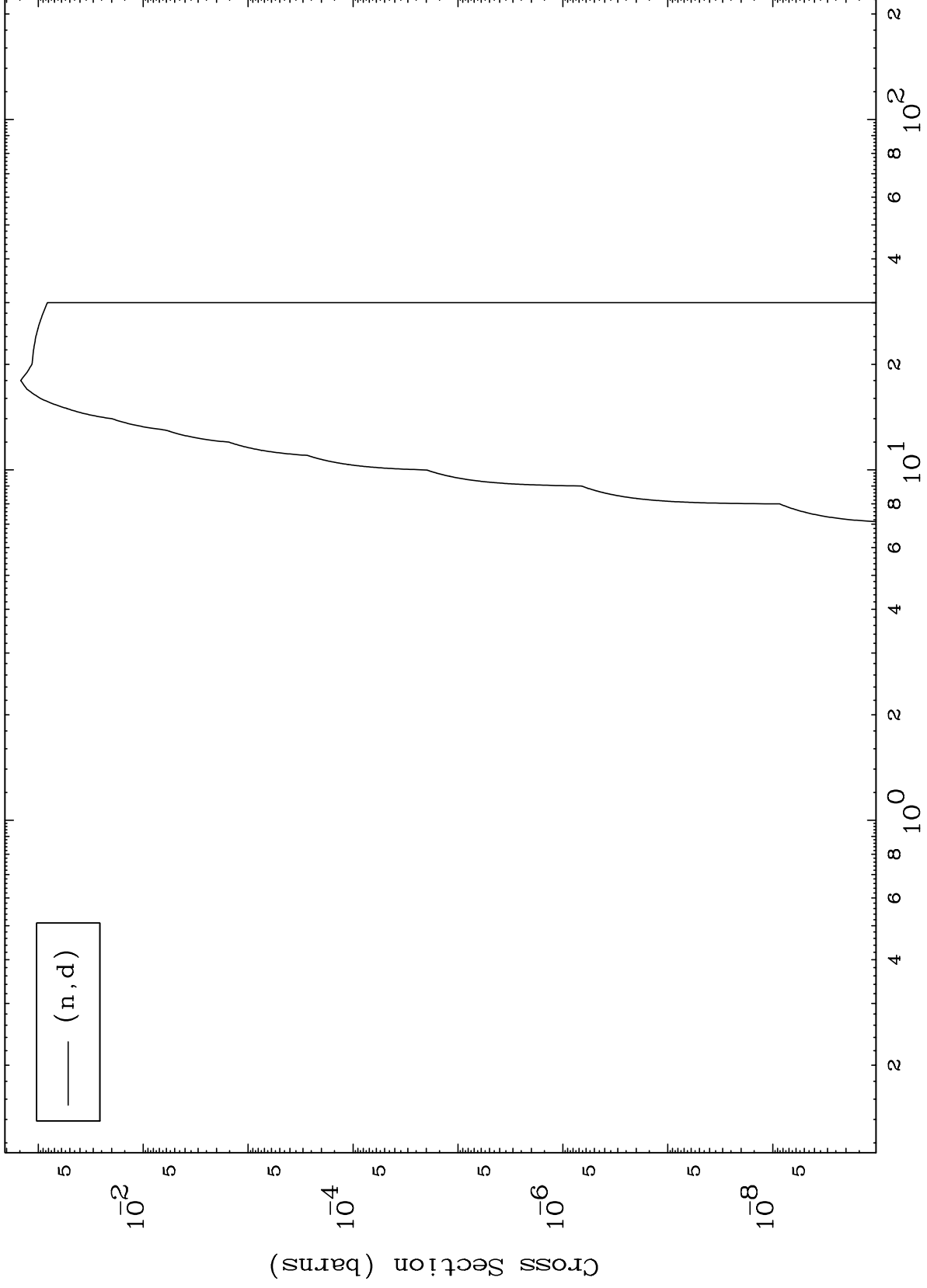


MAT 8296

(d,d) Levels

83-Bi-199m

0 Kelvin Cross Sections

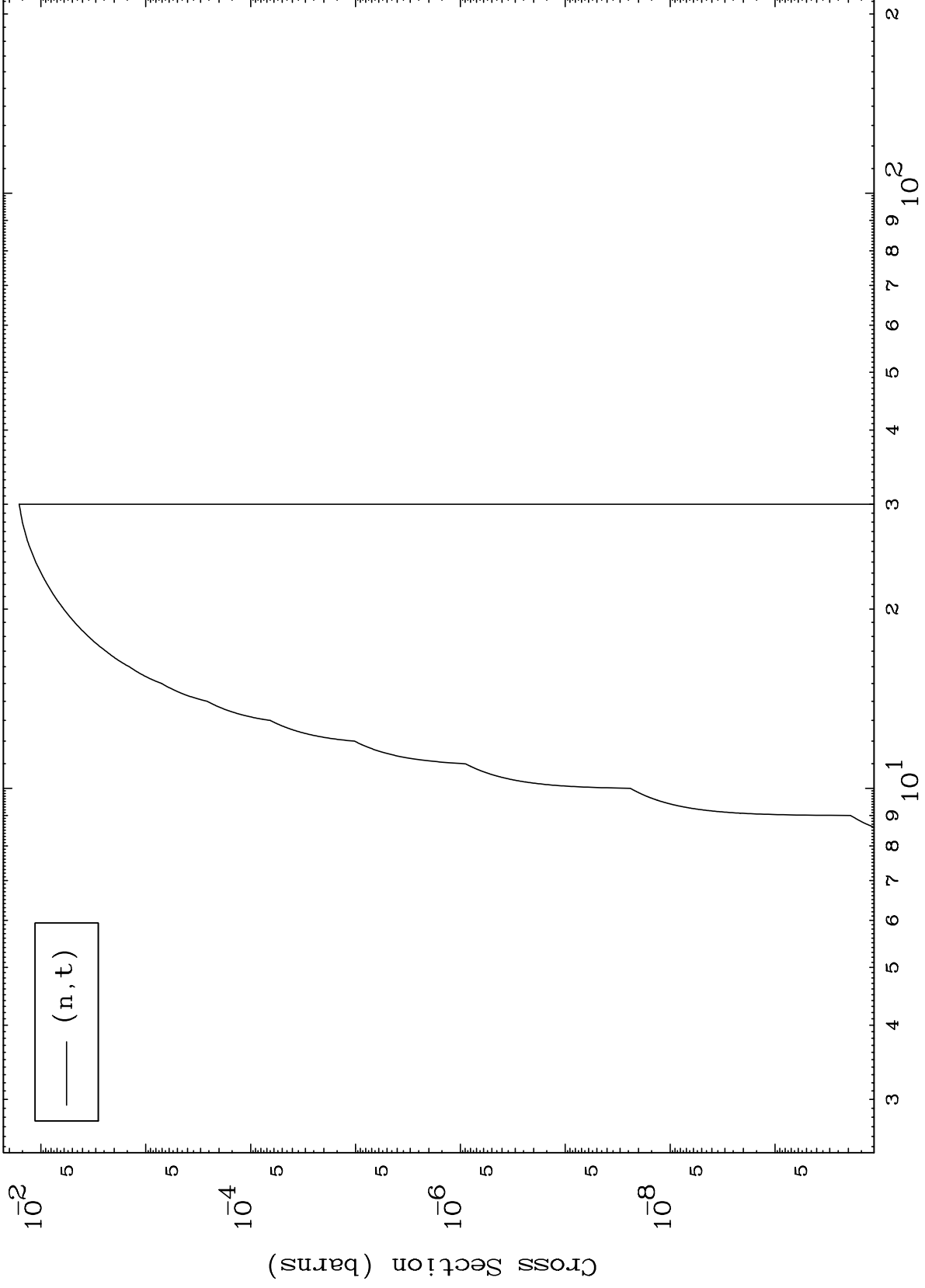


MAT 8296

(d,t) Levels

83-Bi-199m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

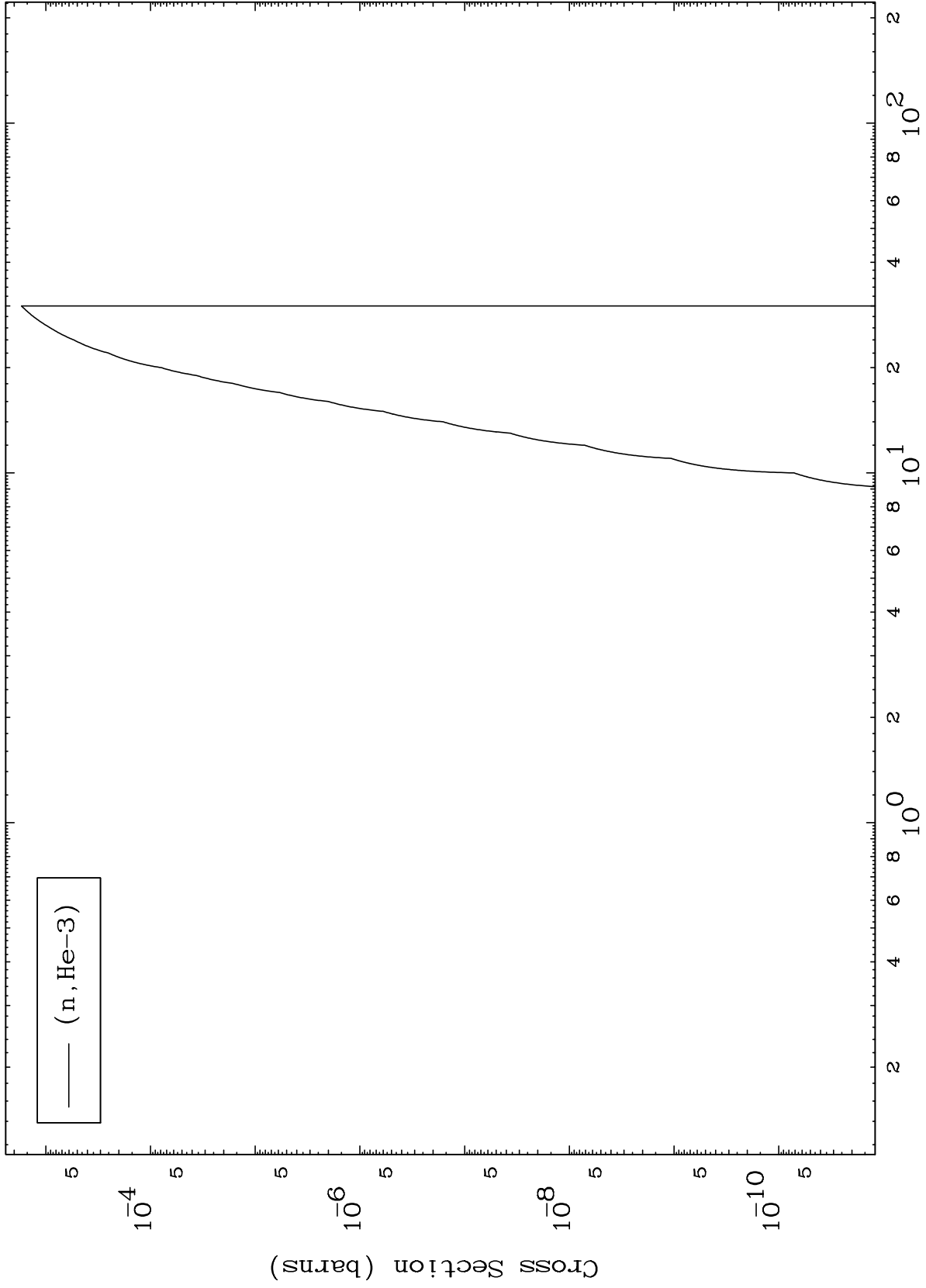
83-Bi-199m

MAT 8296

(d,He3) Levels

83-Bi-199m

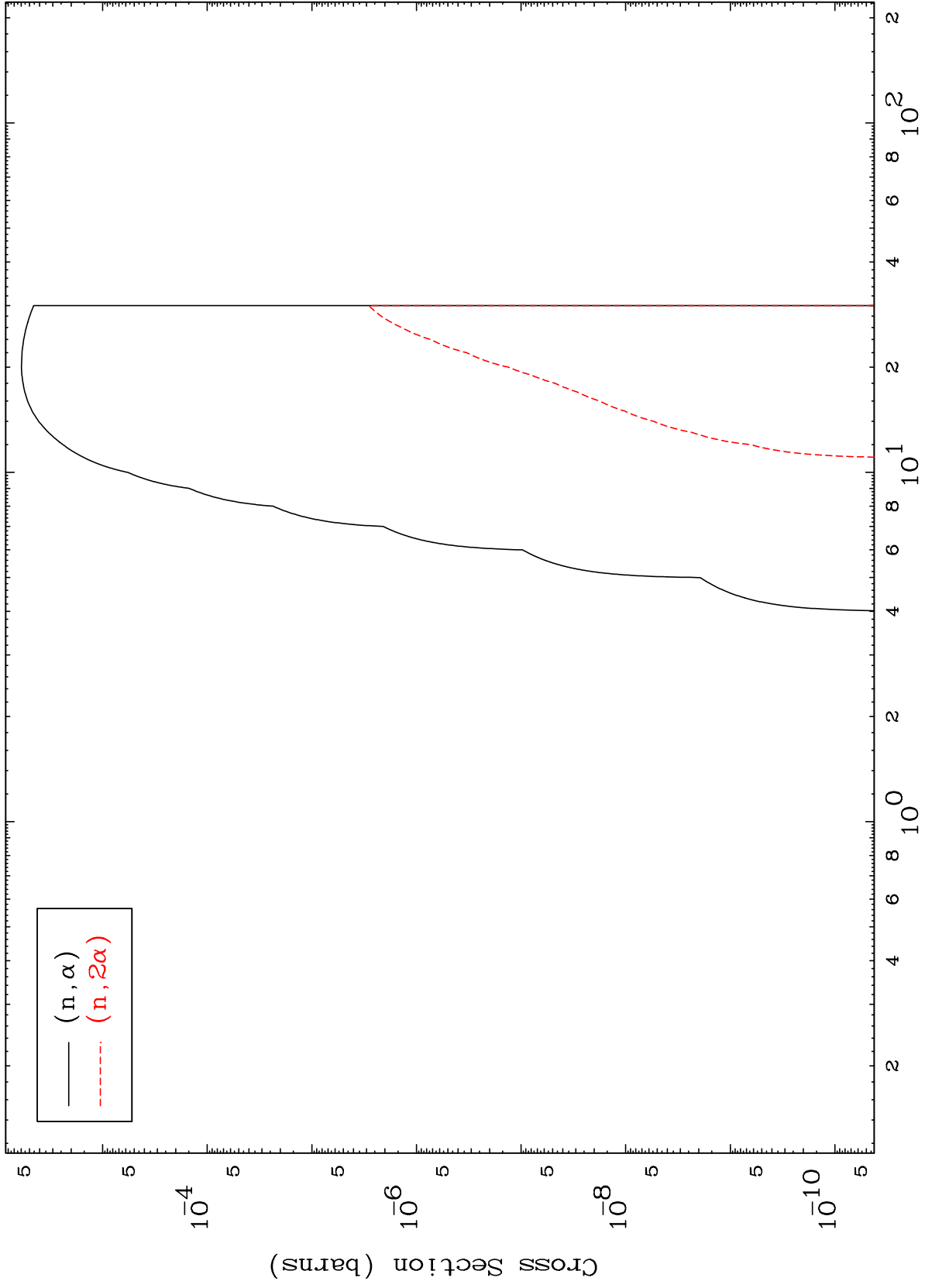
0 Kelvin Cross Sections



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(d, α) Levels
0 Kelvin Cross Sections

83-Bi-199m



12

Incident Energy (MeV)

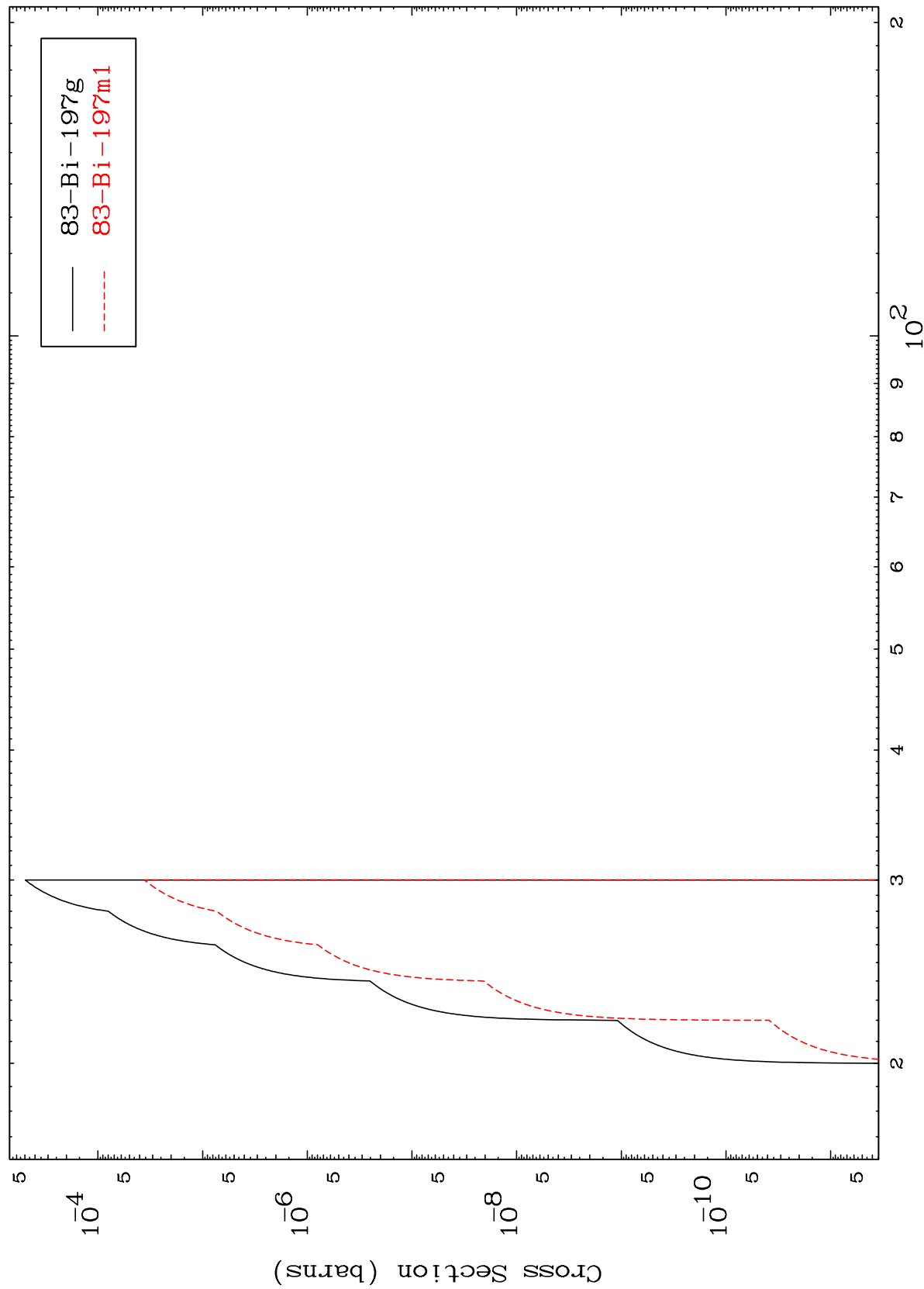
83-Bi-199m

MAT 8296

(n,2n) d

83-Bi-199m

Radionuclide Production Cross Section



13

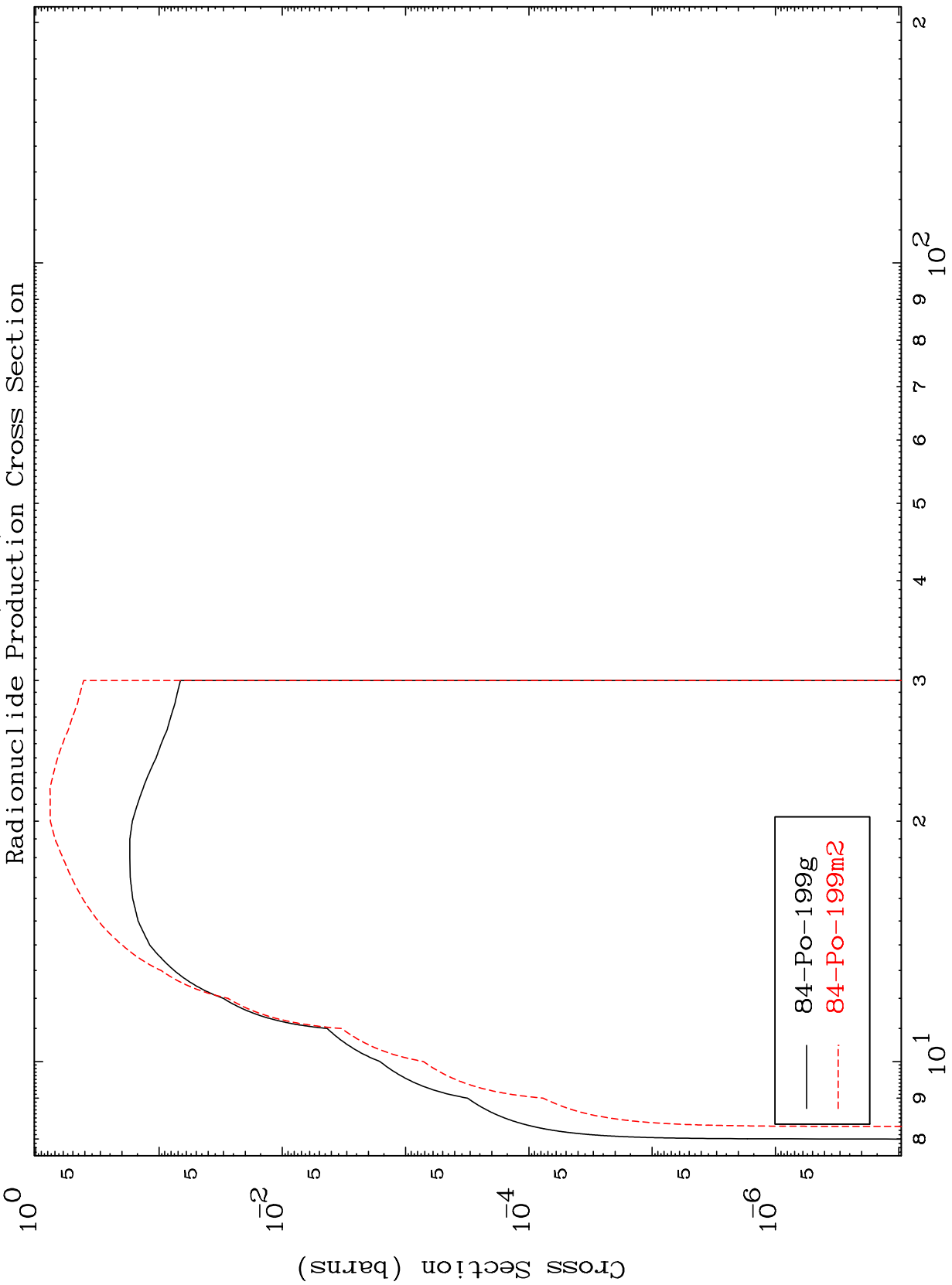
Incident Energy (MeV)

83-Bi-199m

MAT 8296

83-Bi-199m

(n,2n)
Radionuclide Production Cross Section



83-Bi-199m

Incident Energy (MeV)

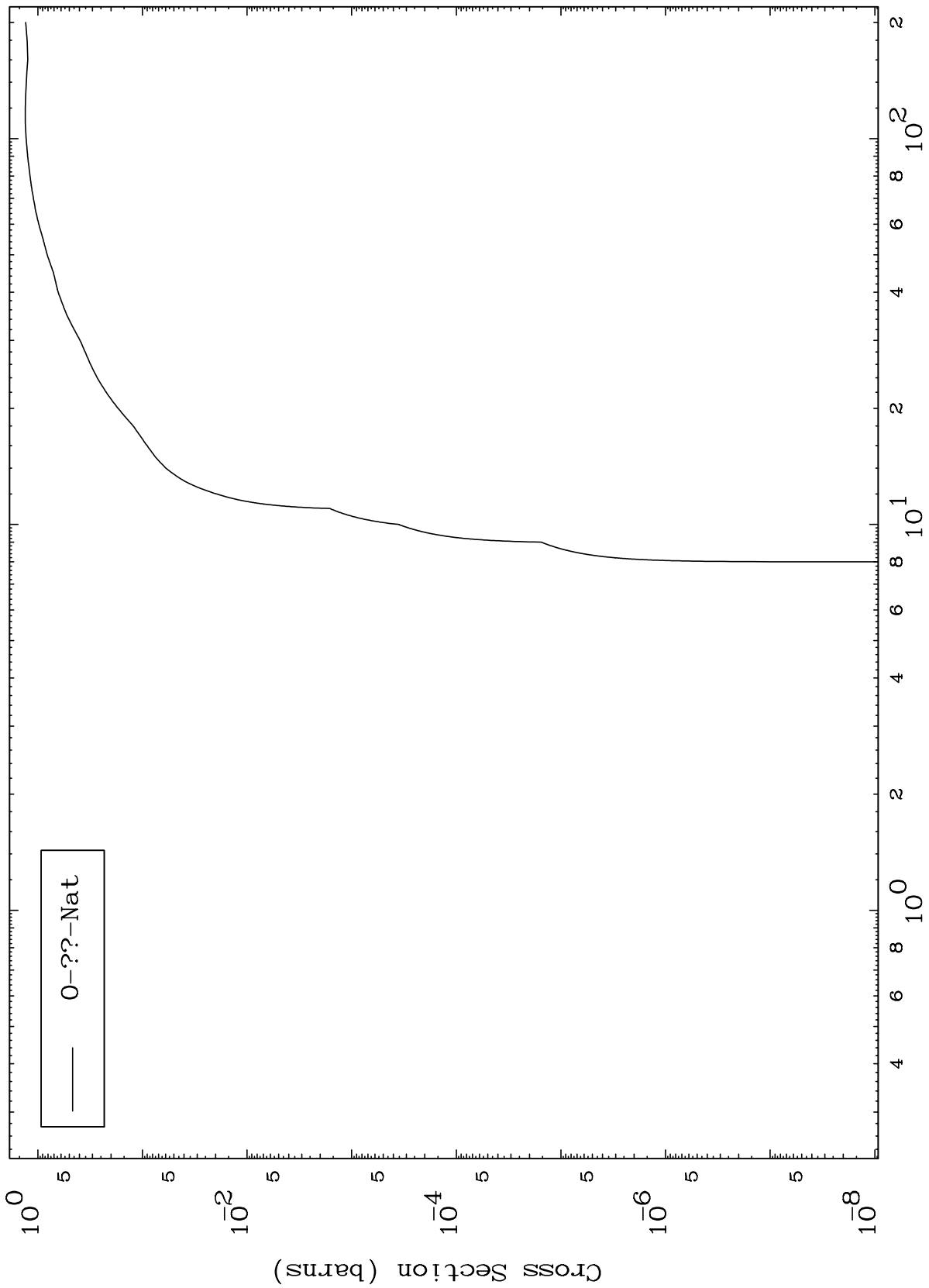
14

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⁸³Bi-199m

Fission

Radionuclide Production Cross Section

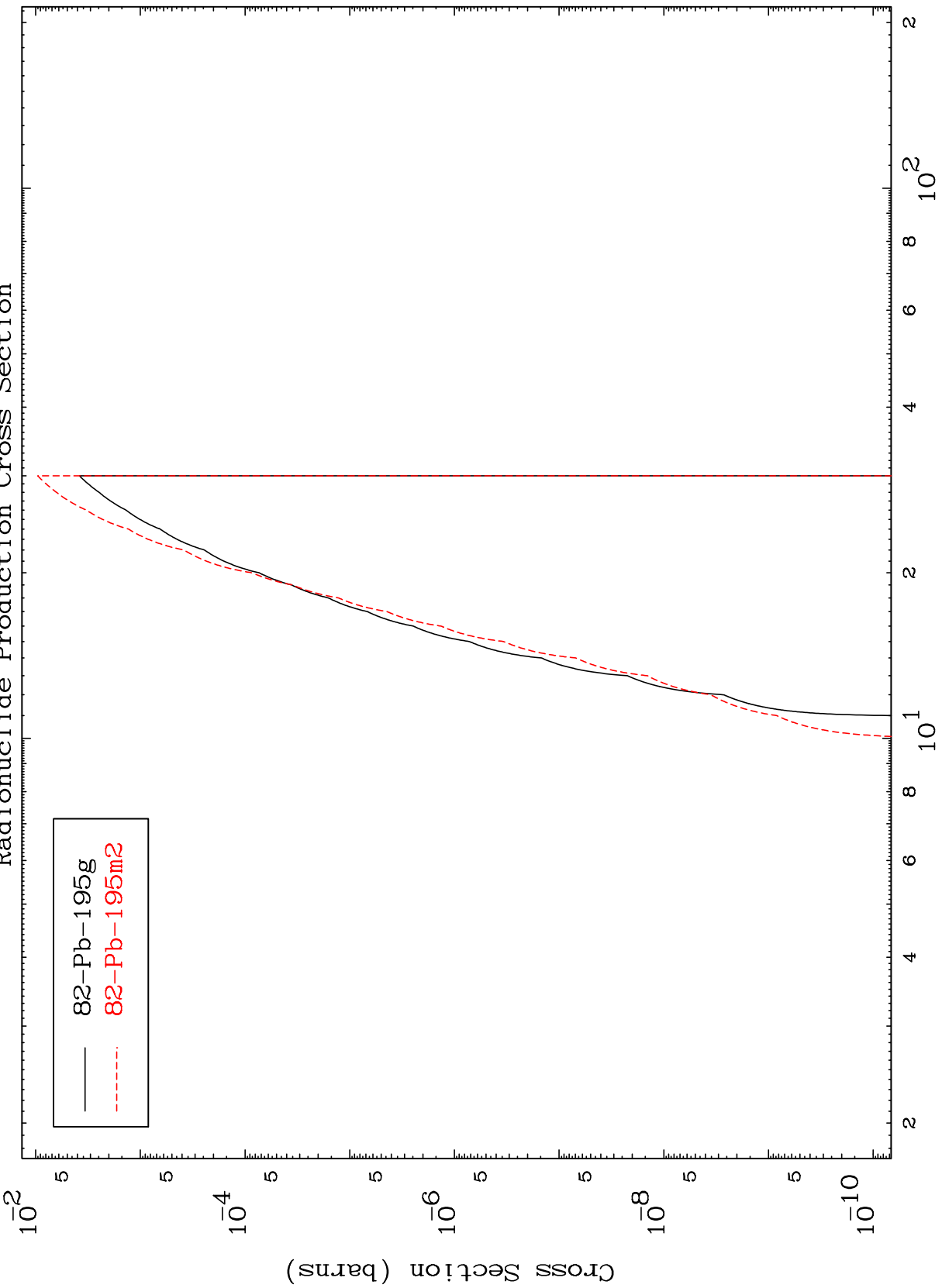


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$(n,2n) \alpha$

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

Radionuclide Production Cross Section



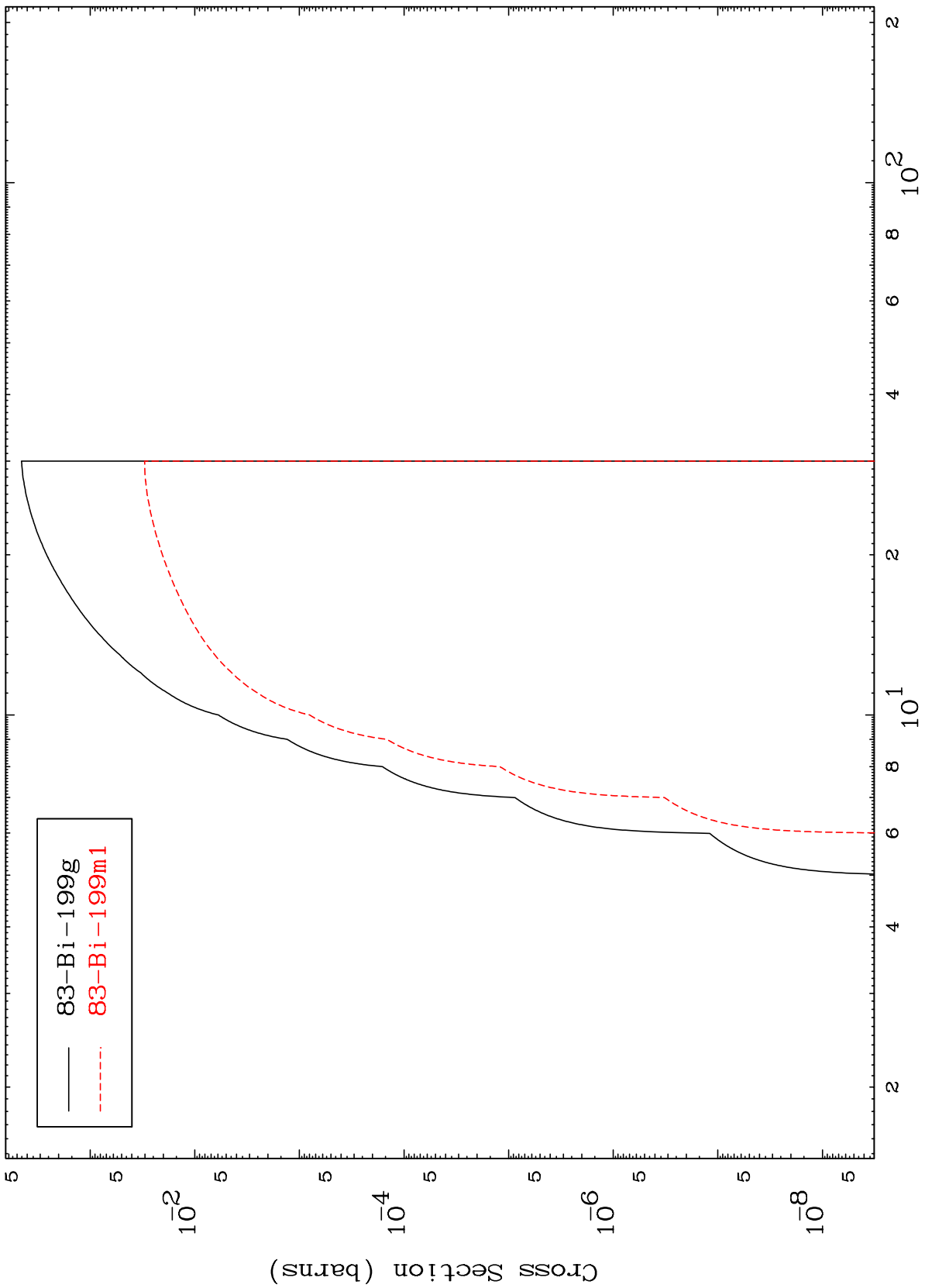
— 82-Pb-195g
- - - 82-Pb-195m2

MAT 8296

(n,n') p

⁸³Bi-199m

Radionuclide Production Cross Section



— 83-Bi-199g
- - - 83-Bi-199m1

17

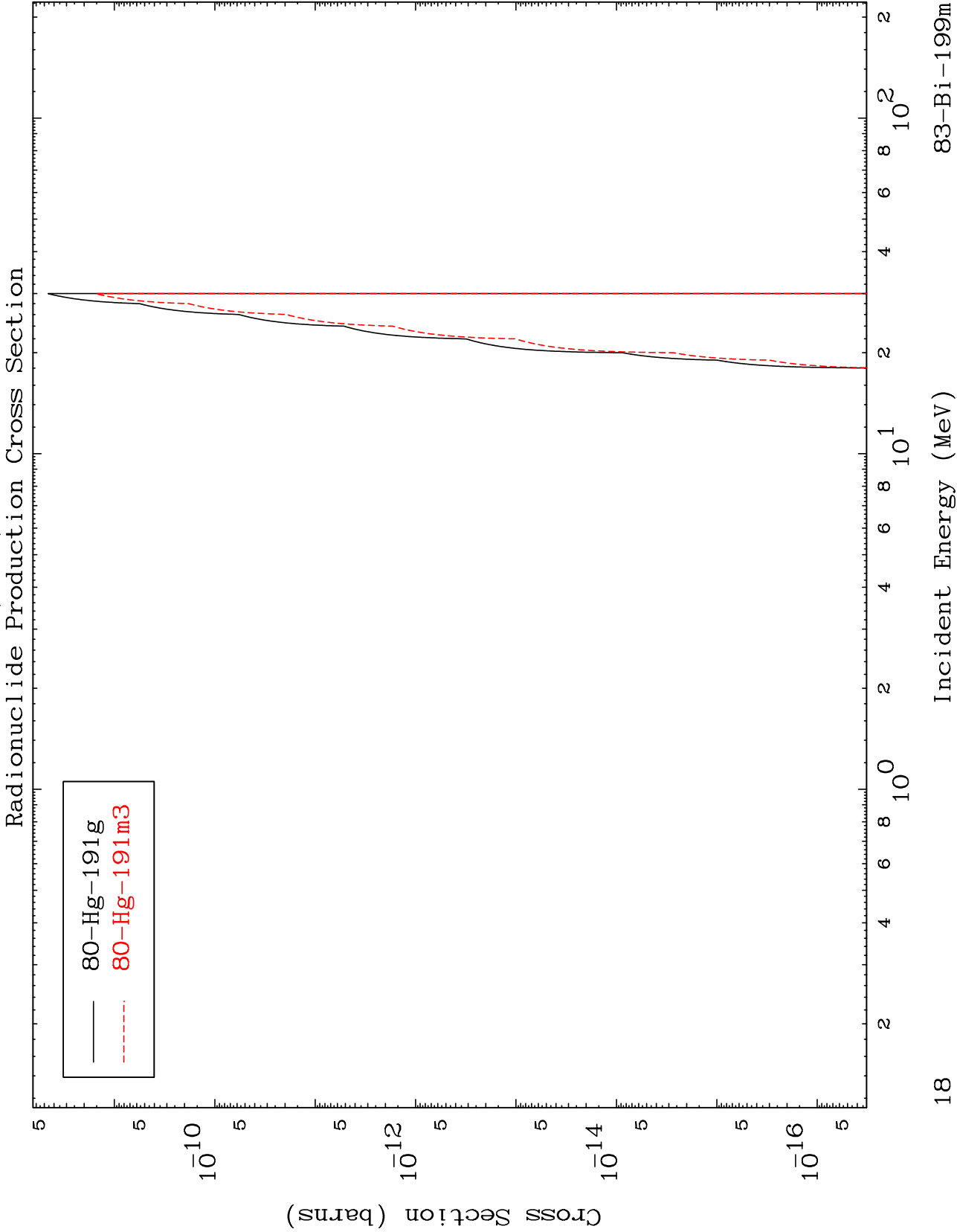
Incident Energy (MeV)

⁸³Bi-199m

MAT 8296

(n,2n) 2 α

83-Bi-199m

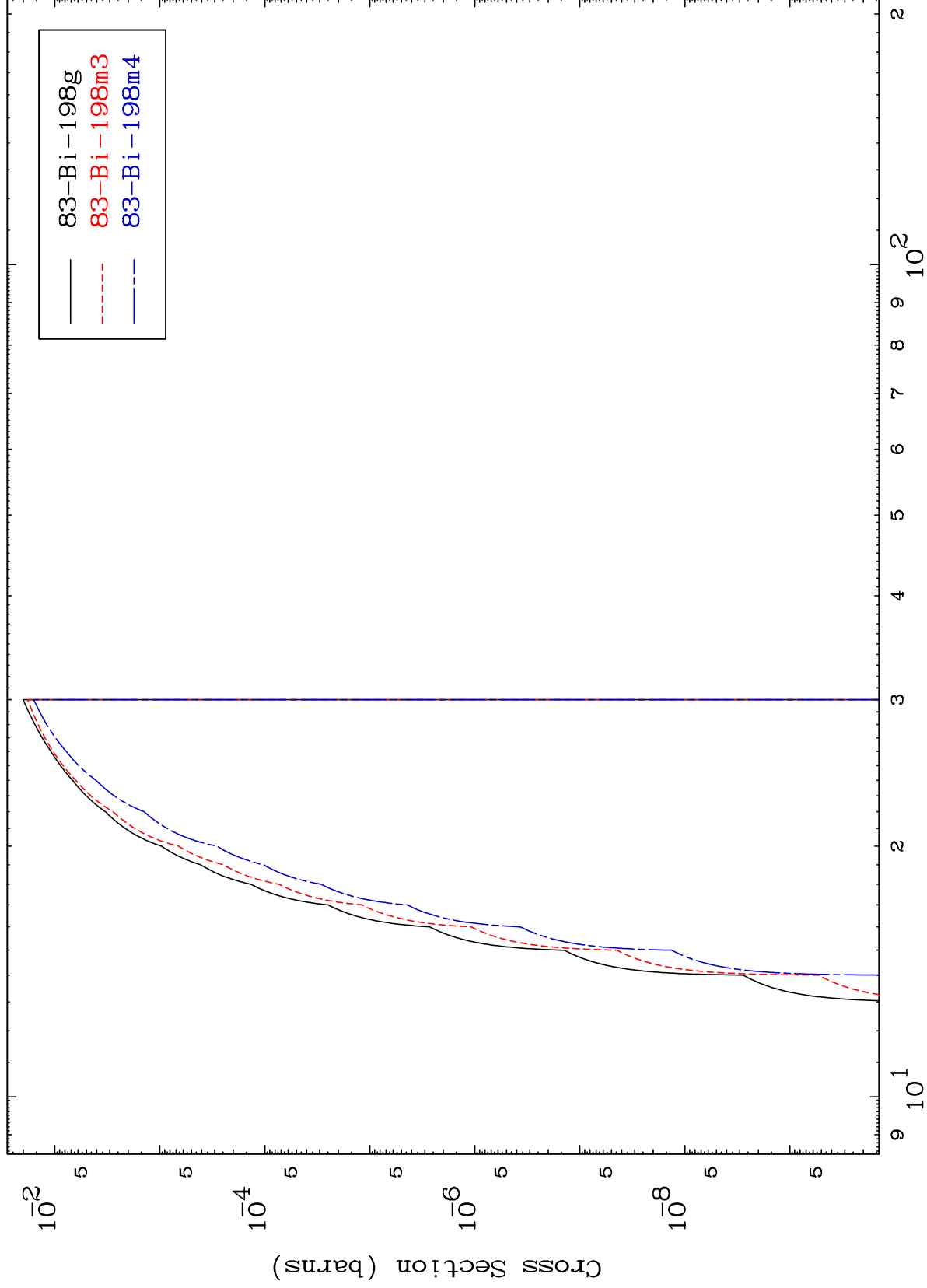


MAT 8296

(n,n') d

83-Bi-199m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

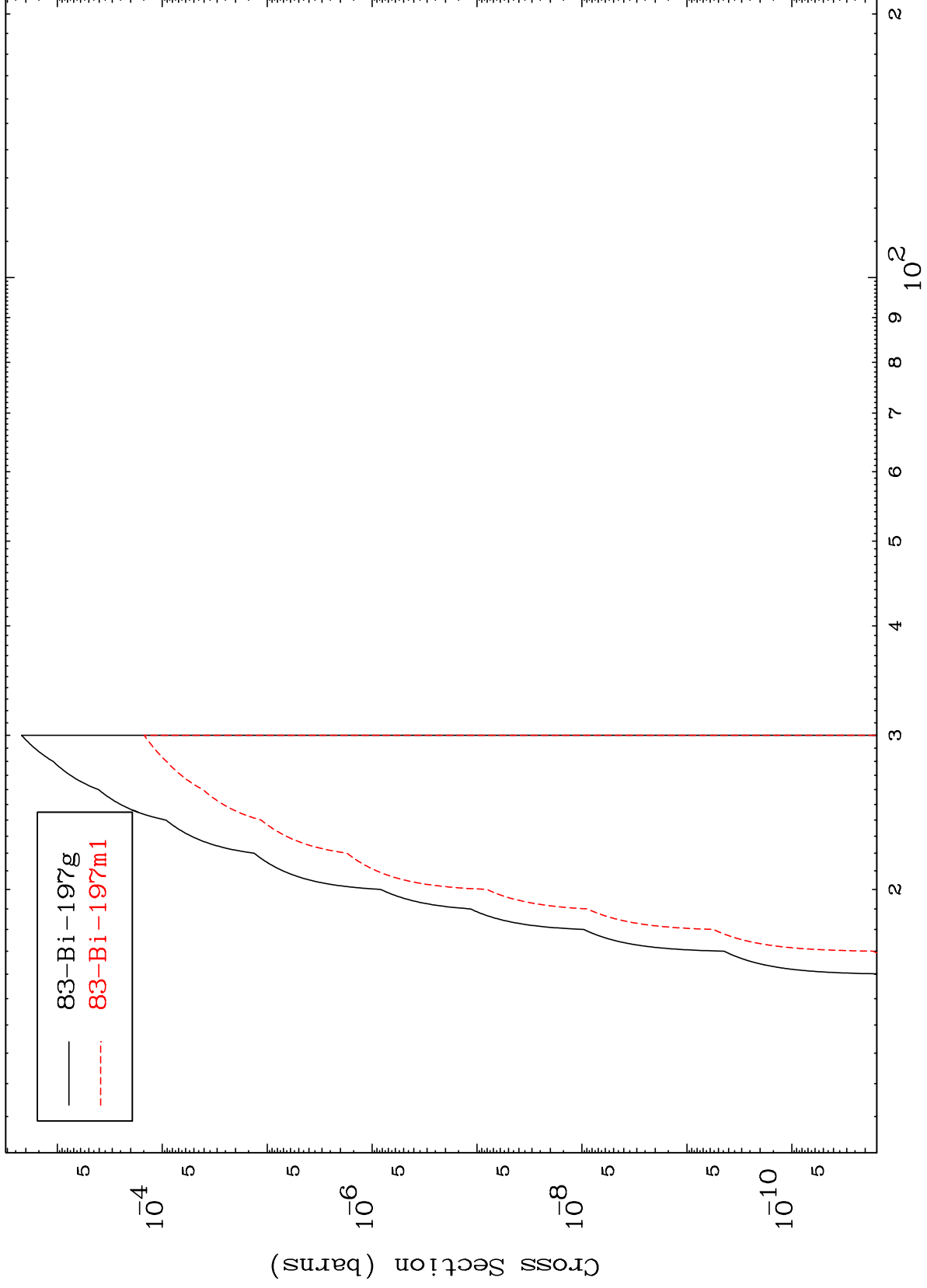
83-Bi-199m

MAT 8296

(n,n') t

83-Bi-199m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

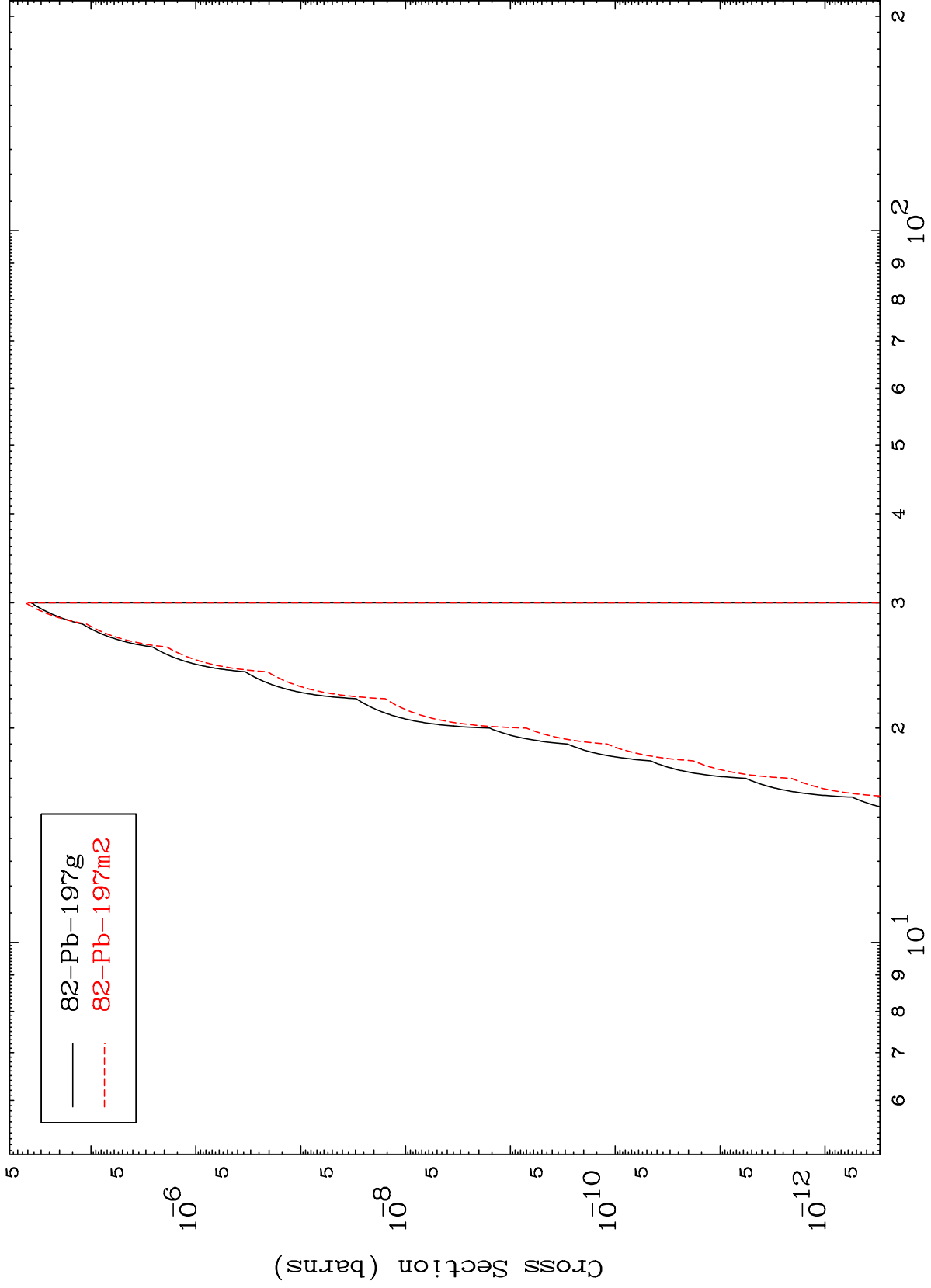
83-Bi-199m

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(n,n') He-3

83-Bi-199m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

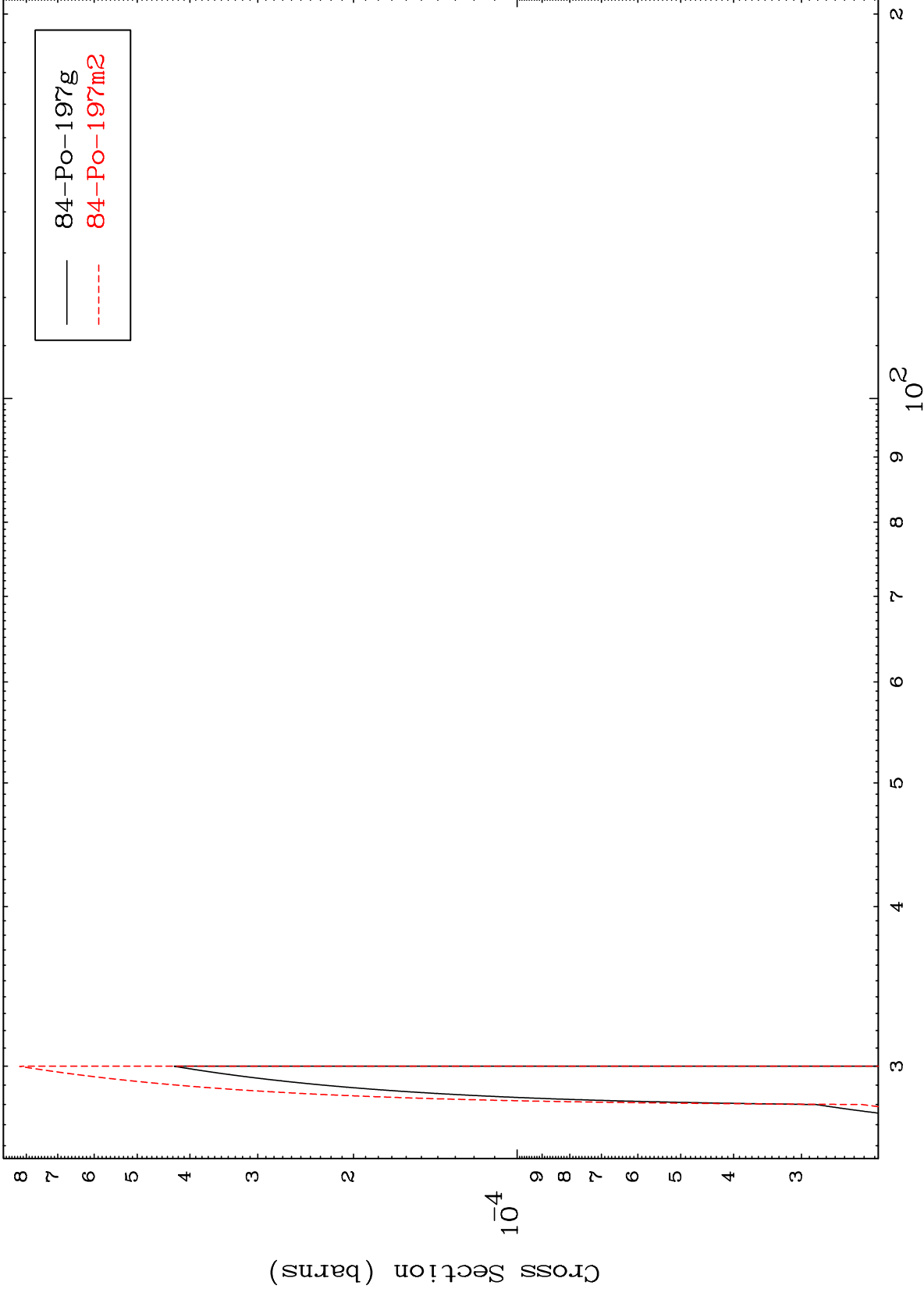
83-Bi-199m

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(n,4n)

83-Bi-199m

Radionuclide Production Cross Section



84-Po-197g
84-Po-197m2

22

Incident Energy (MeV)

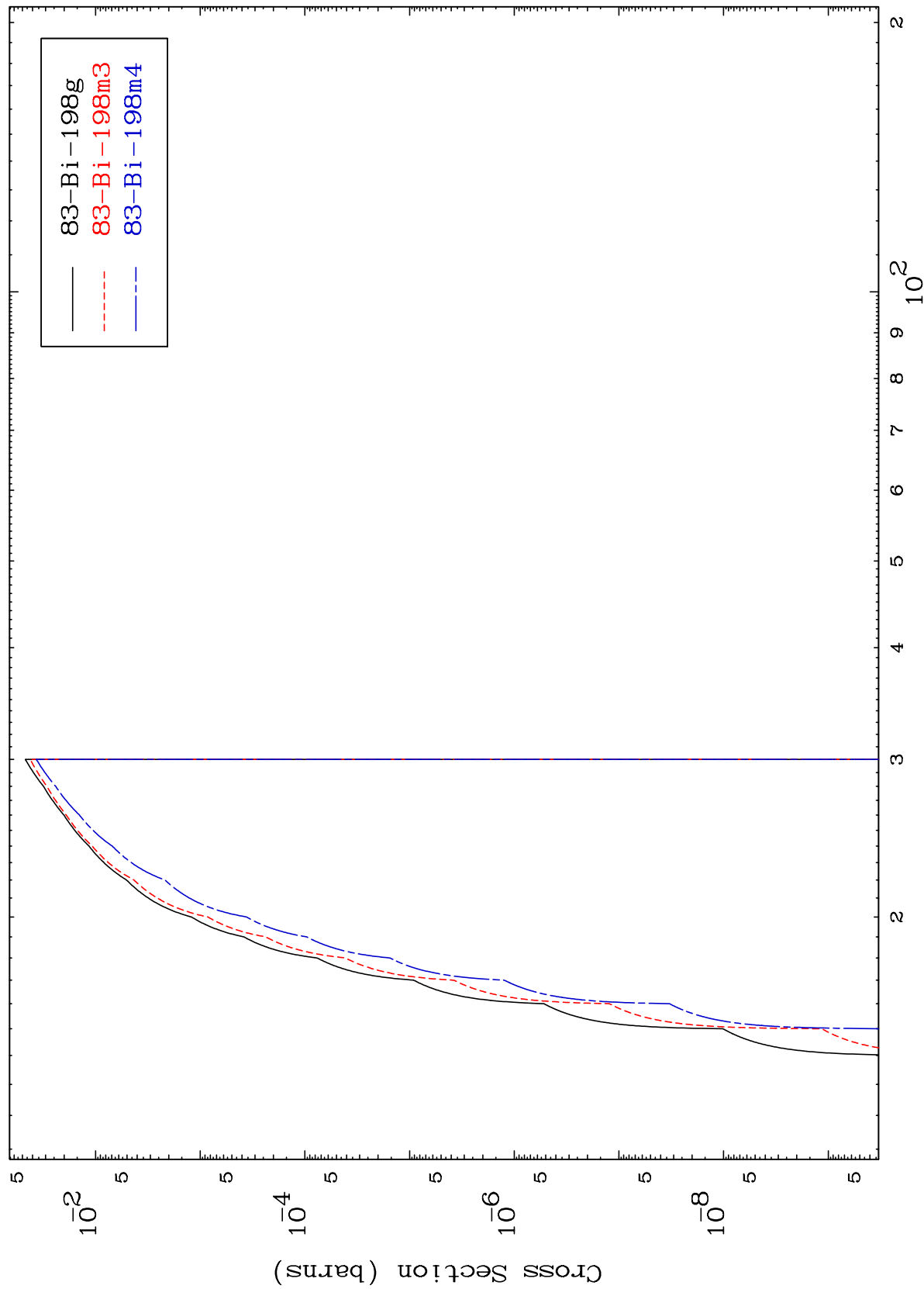
83-Bi-199m

MAT 8296

(n,2n) p

83-Bi-199m

Radionuclide Production Cross Section



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

23

Incident Energy (MeV)

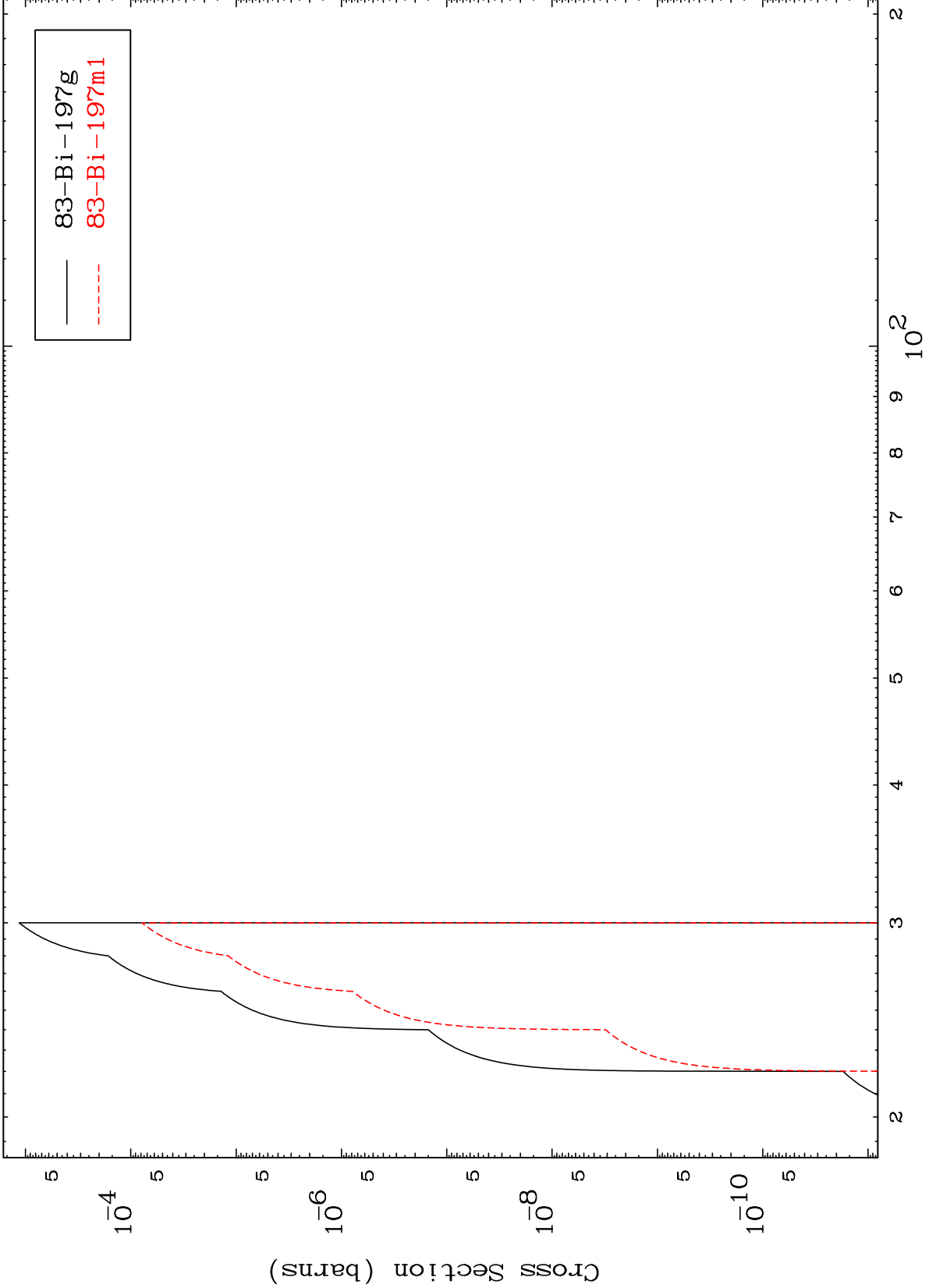
83-Bi-199m

MAT 8296

$(n,3n)$ p

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

Radionuclide Production Cross Section



24

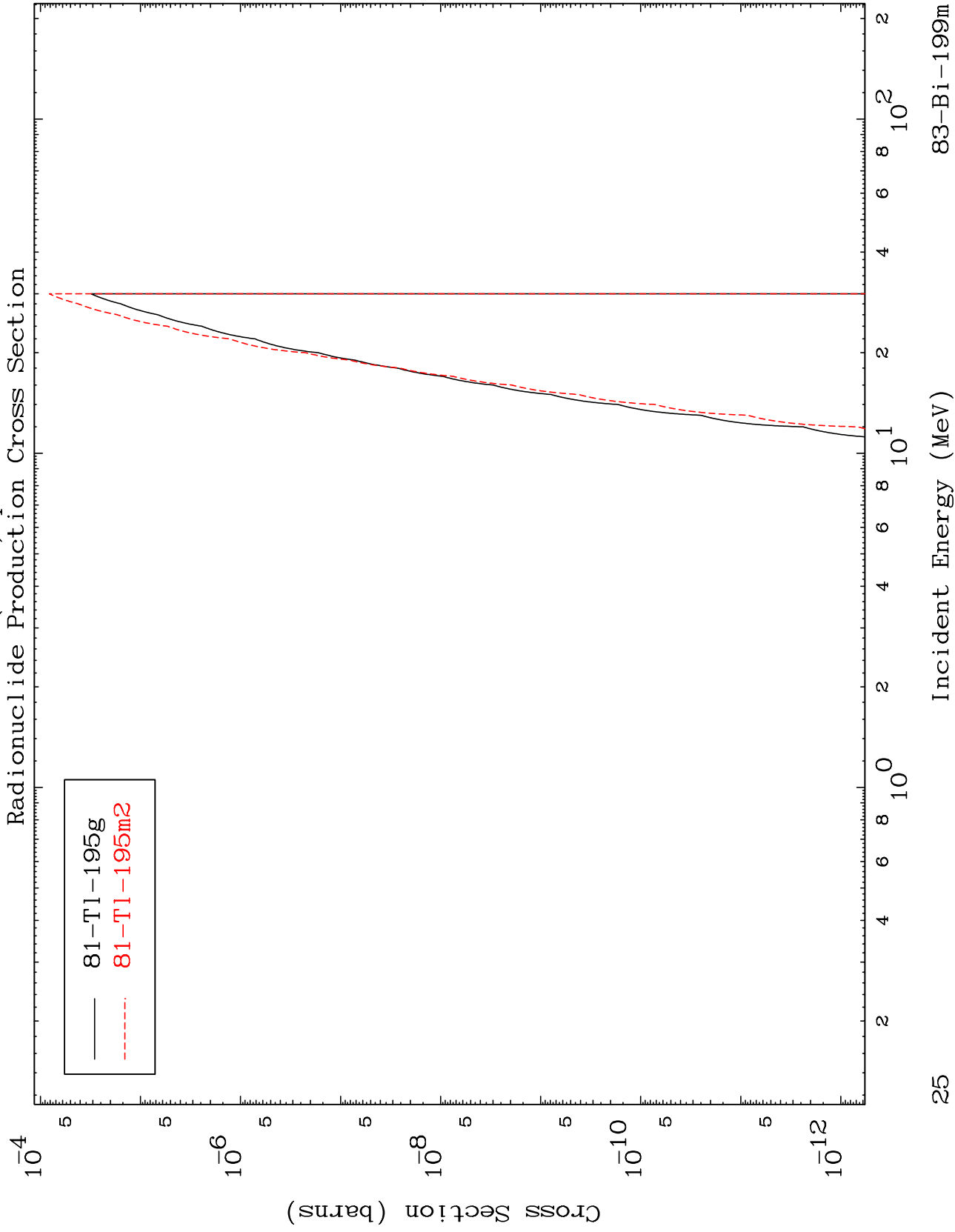
Incident Energy (MeV)

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

MAT 8296

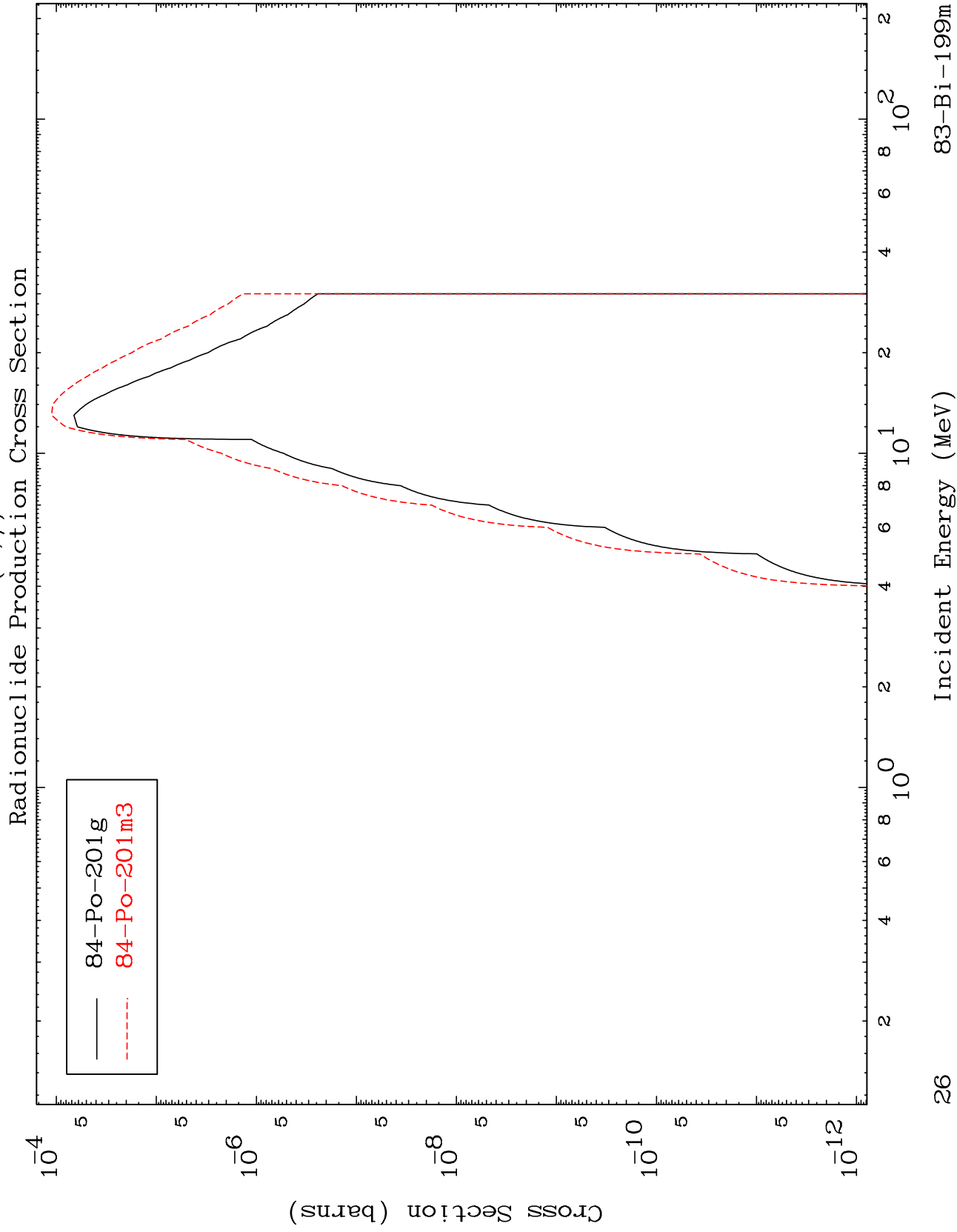
(n,n') p α

83-Bi-199m



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⁸³Bi-199m



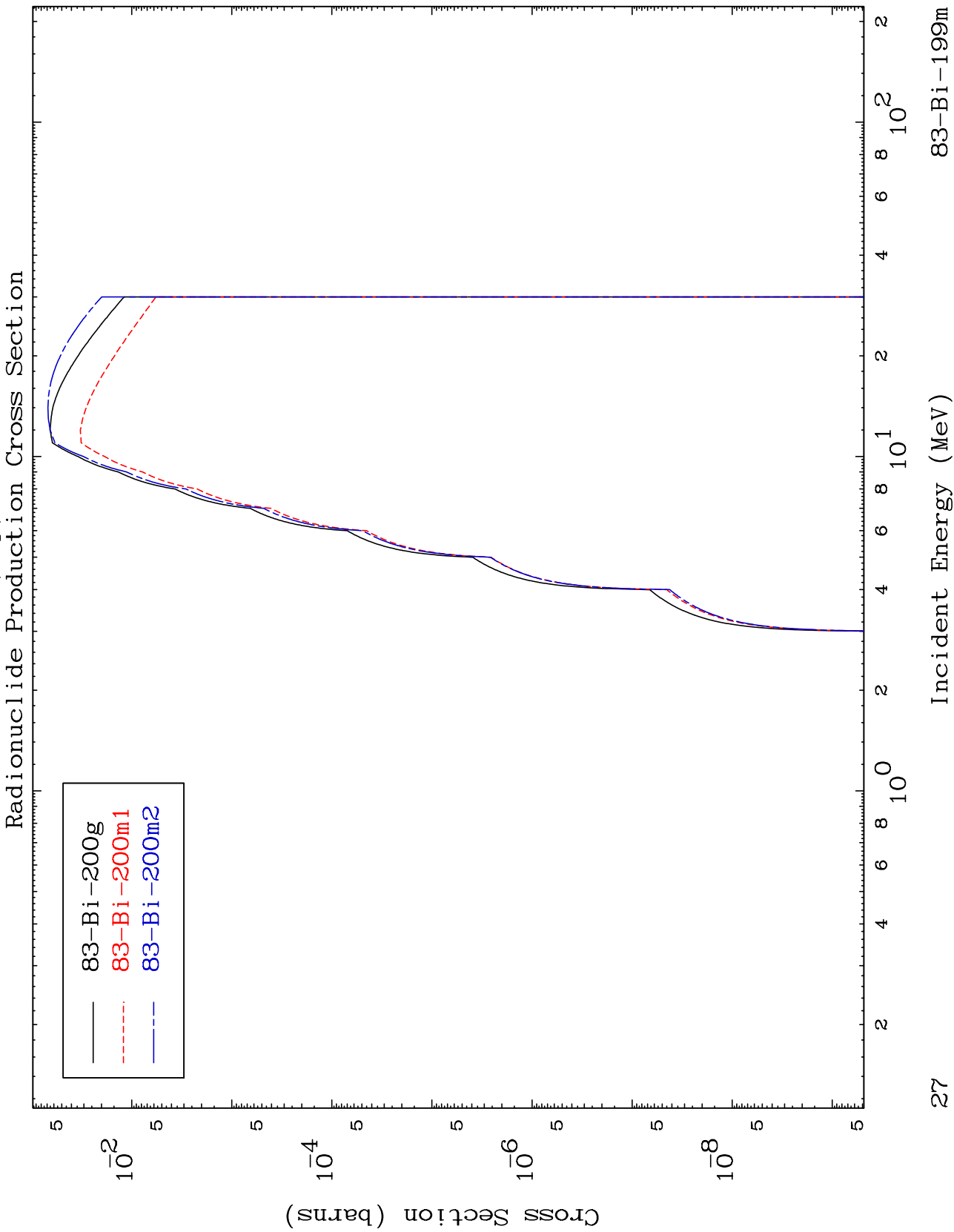
⁸³Bi-199m

Incident Energy (MeV)

26

MAT 8296

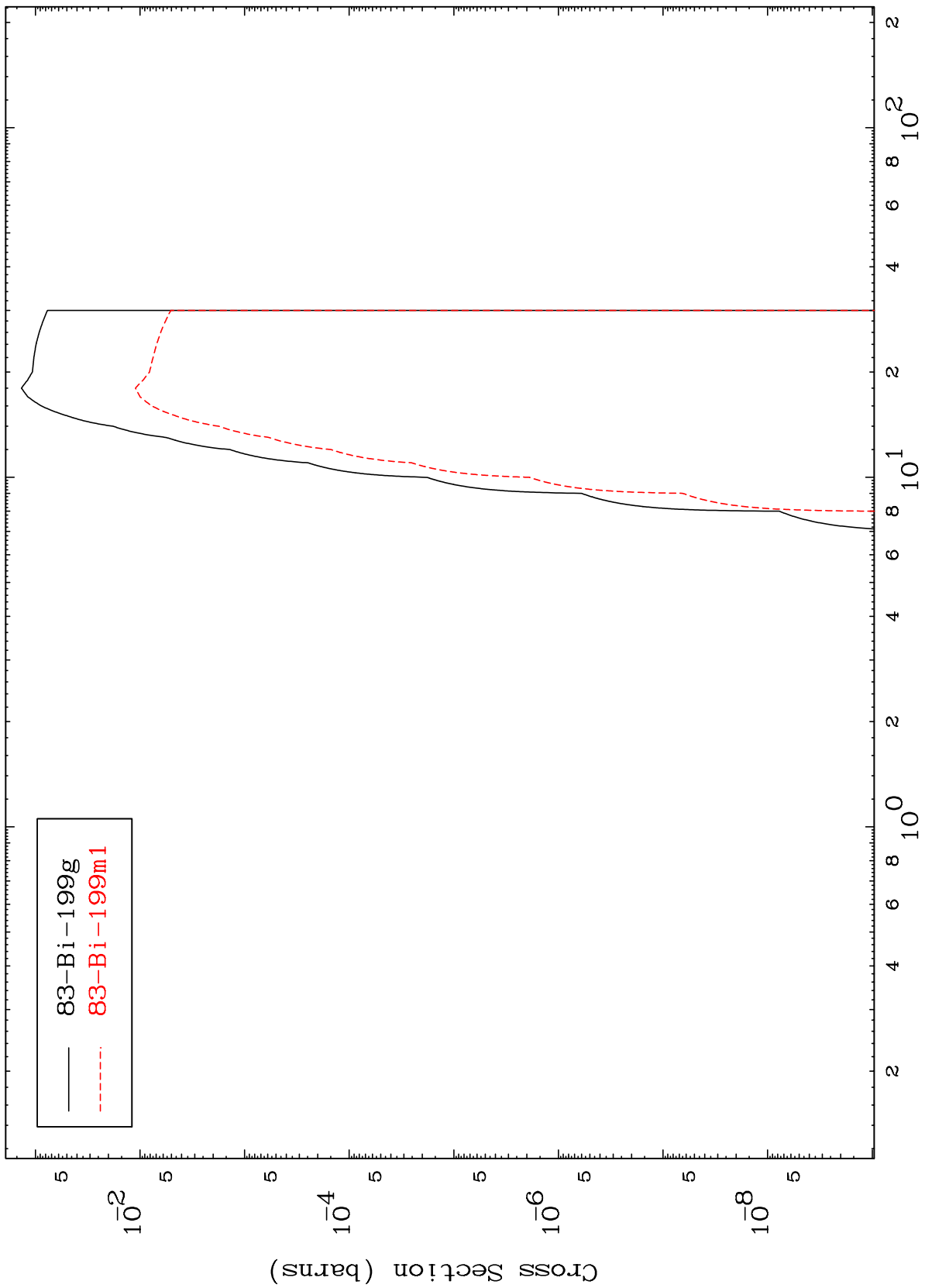
$^{83}\text{Bi-199m}$



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⁸³Bi-199m

(n,d)
Radionuclide Production Cross Section



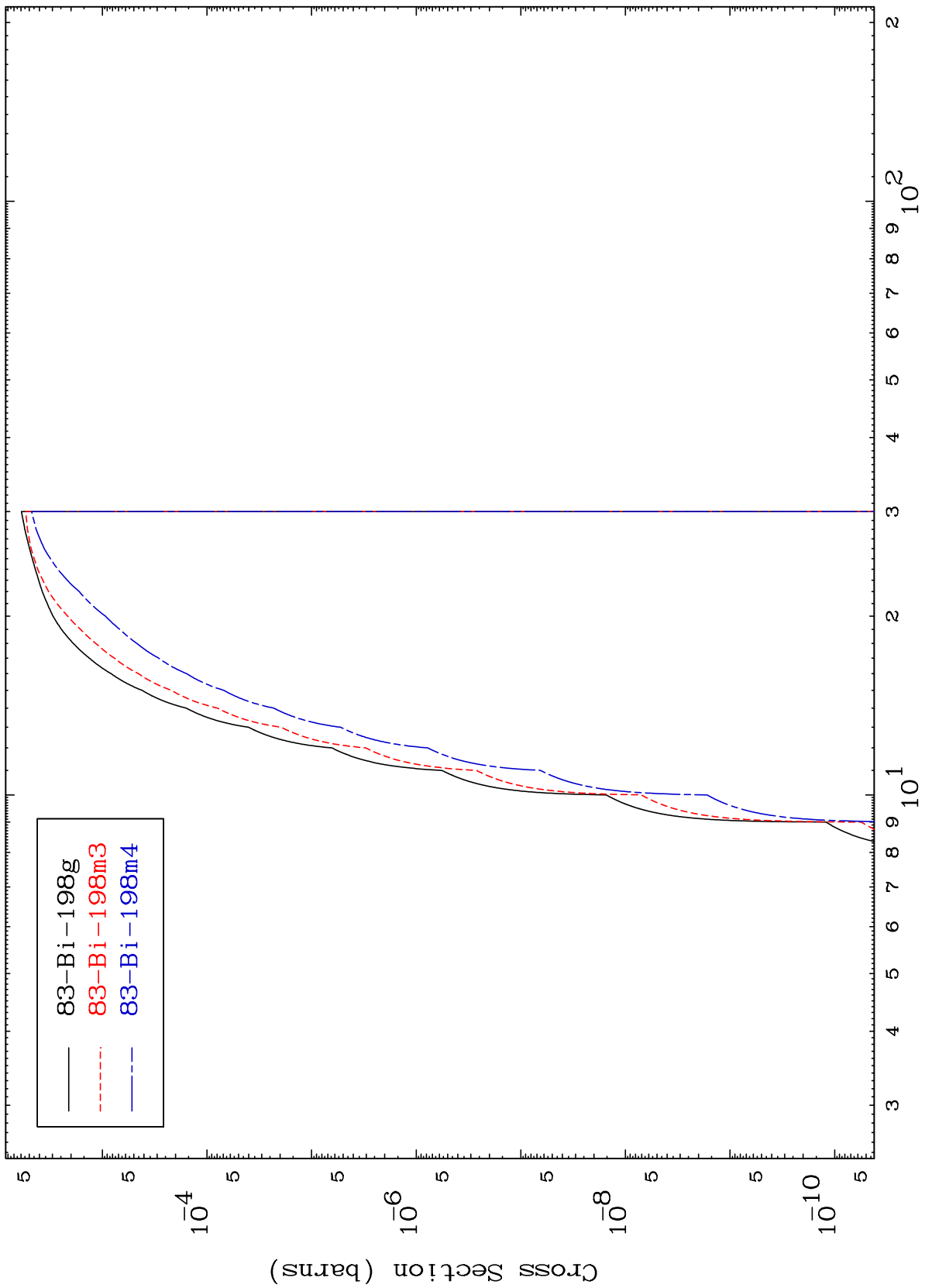
⁸³Bi-199m

Incident Energy (MeV)

MAT 8296

⁸³Bi-199m

(n, t)
Radionuclide Production Cross Section



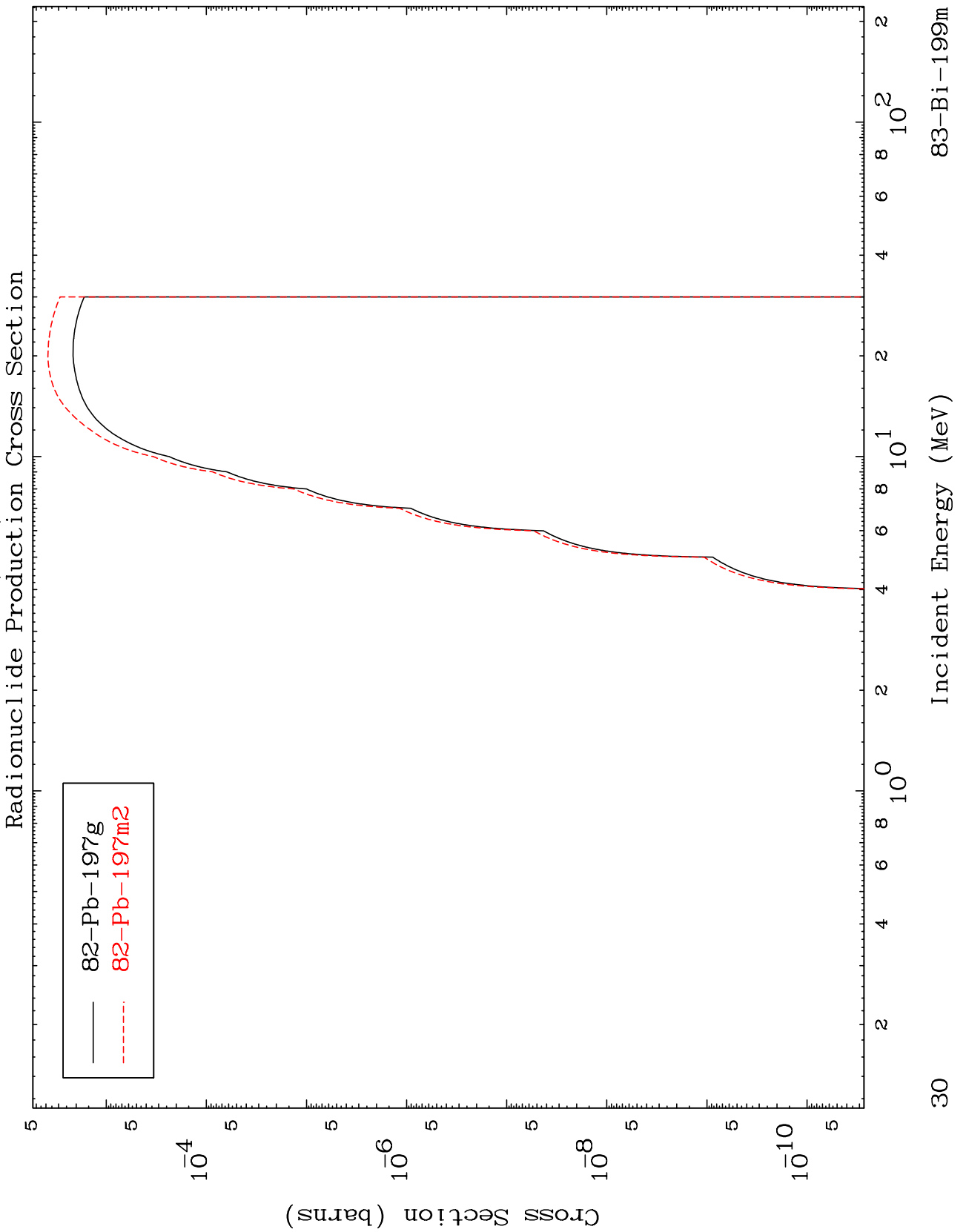
29

Incident Energy (MeV)

⁸³Bi-199m

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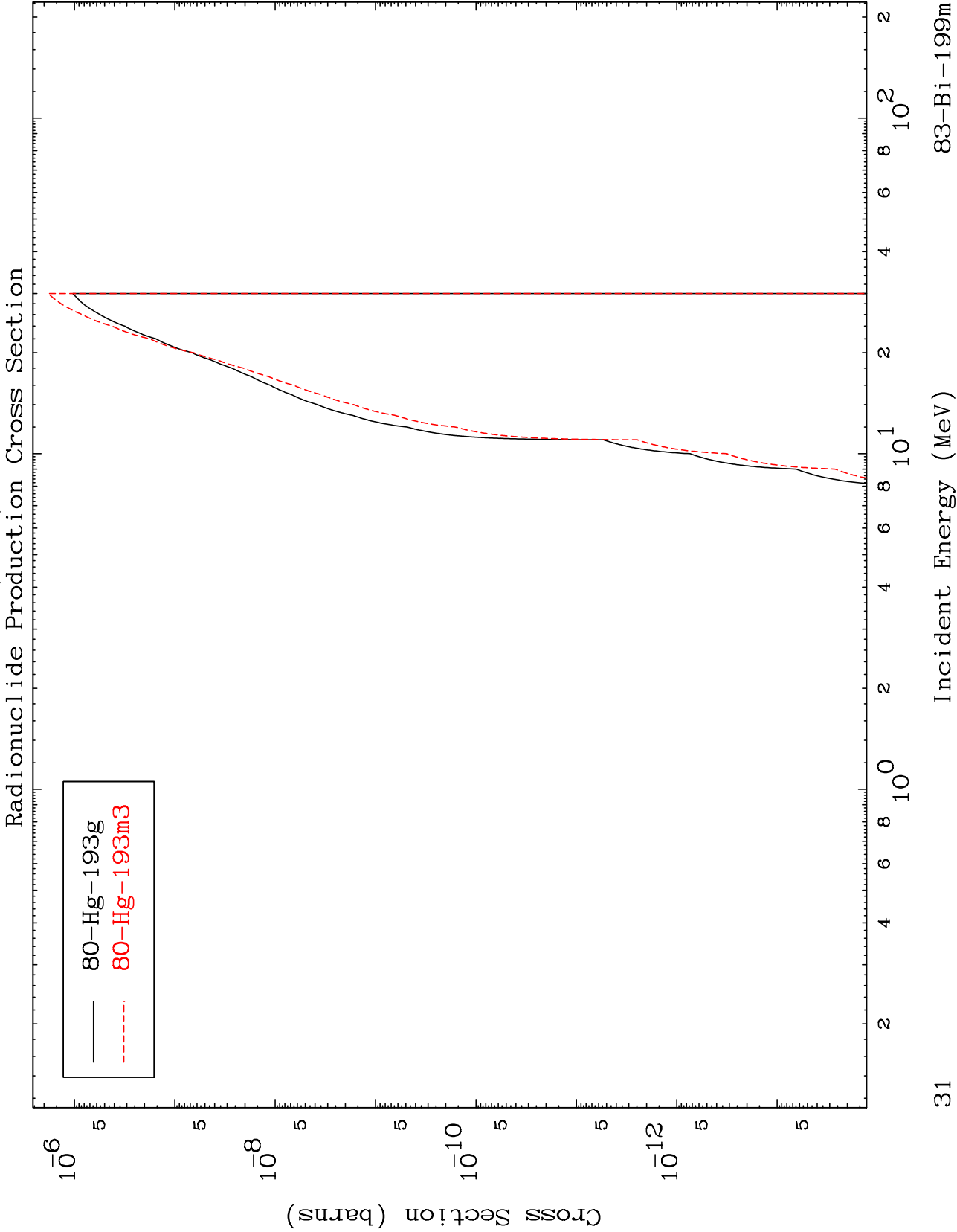
83-Bi-199m



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(n,2α)

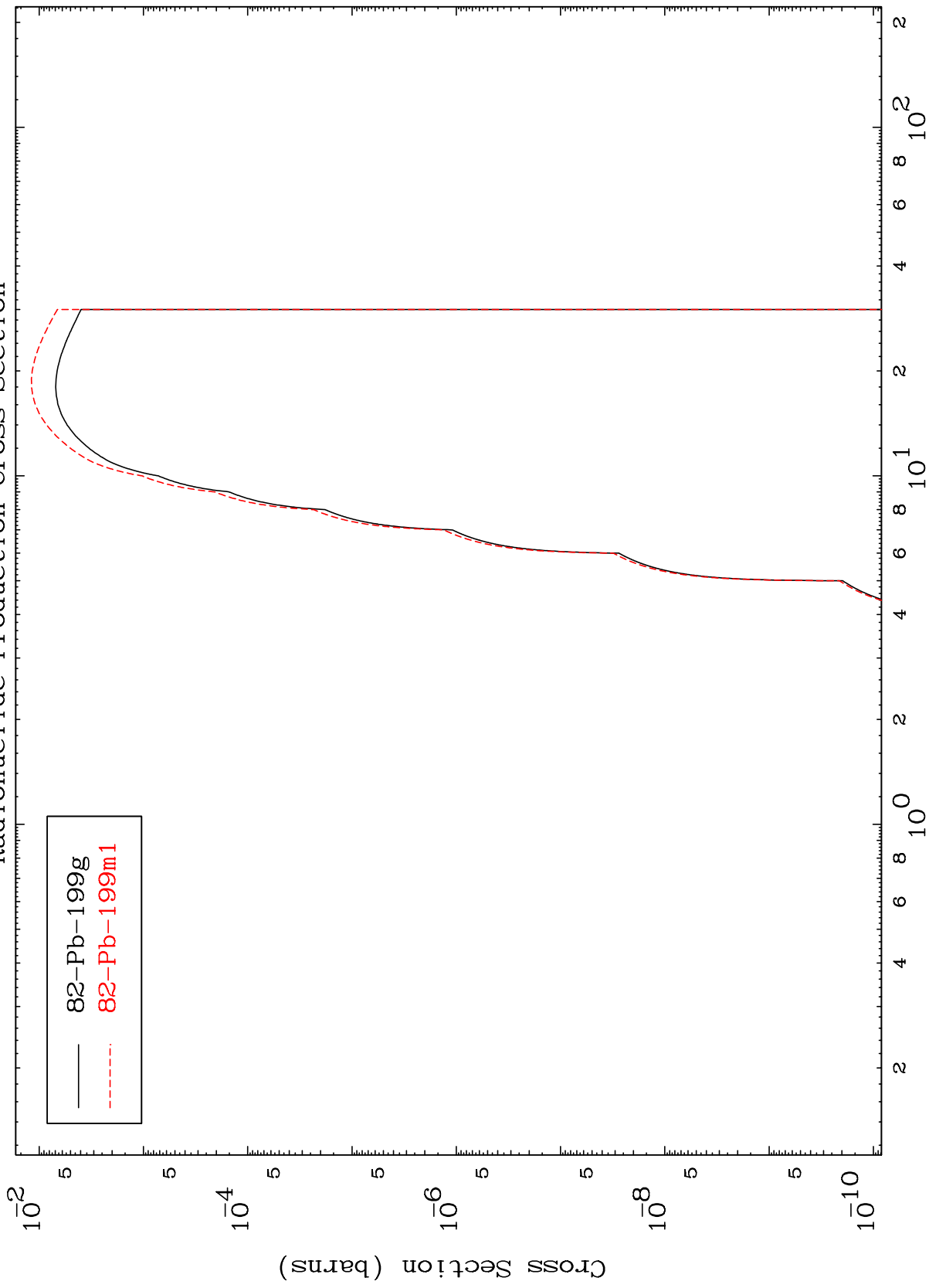
83-Bi-199m



MAT 8296

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

Radionuclide Production Cross Section
(n,2p)



32

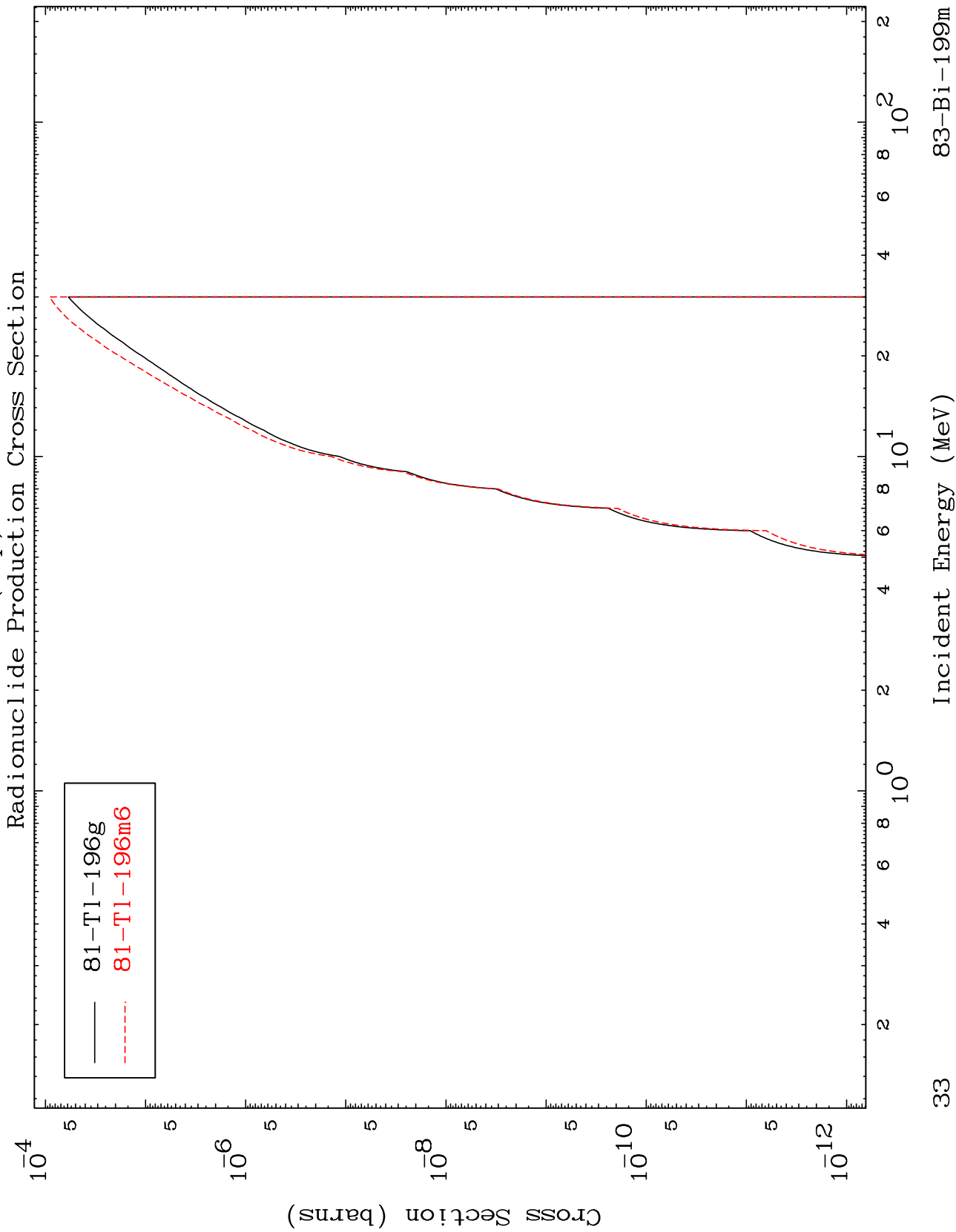
Incident Energy (MeV)

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

MAT 8296

(n,p) α

83-Bi-199m

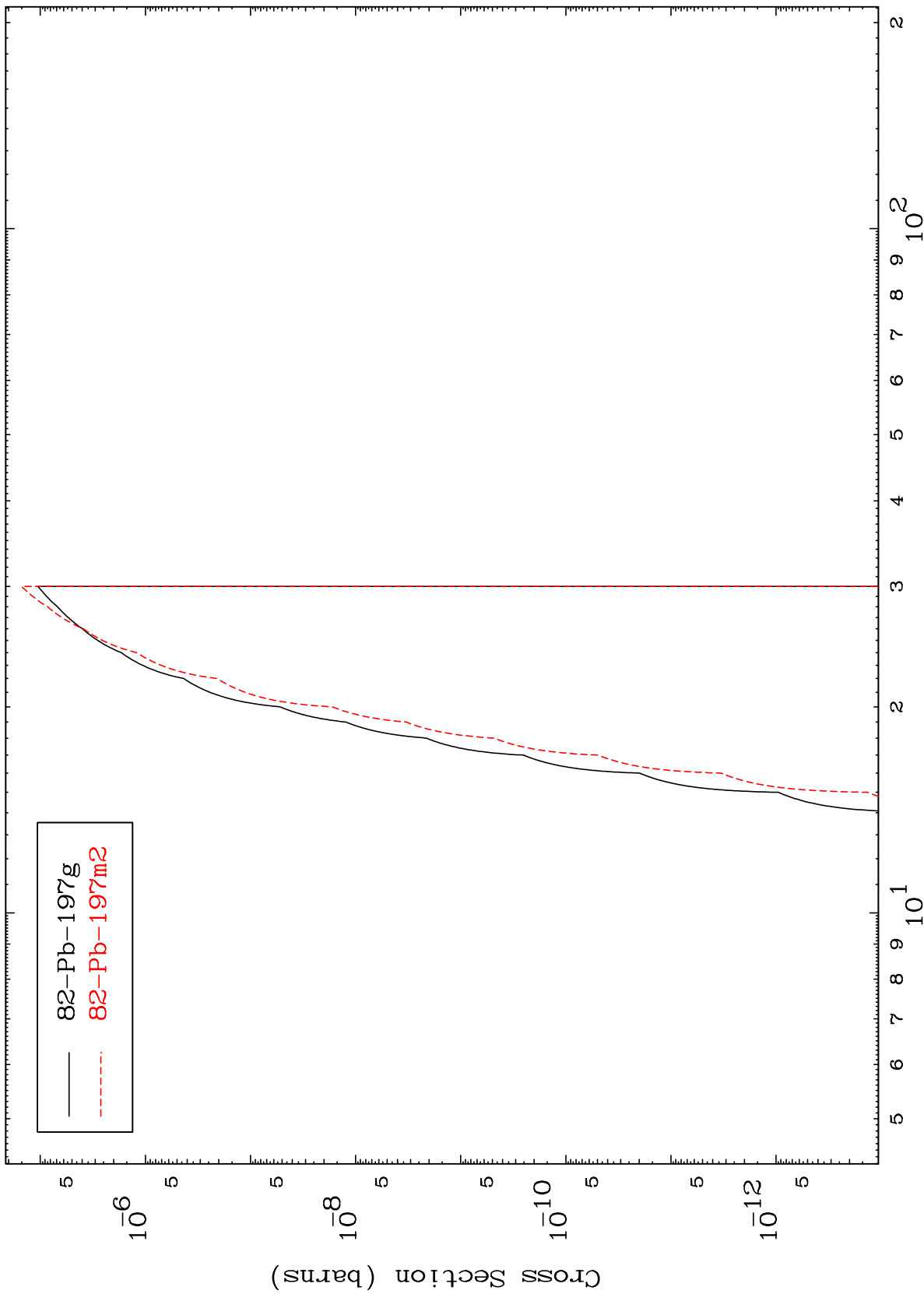


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(n,p) t

83-Bi-199m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

83-Bi-199m

MAT 8296

(n,d) α

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

