

Program EVALPLOT
(Version 2021-1)

by

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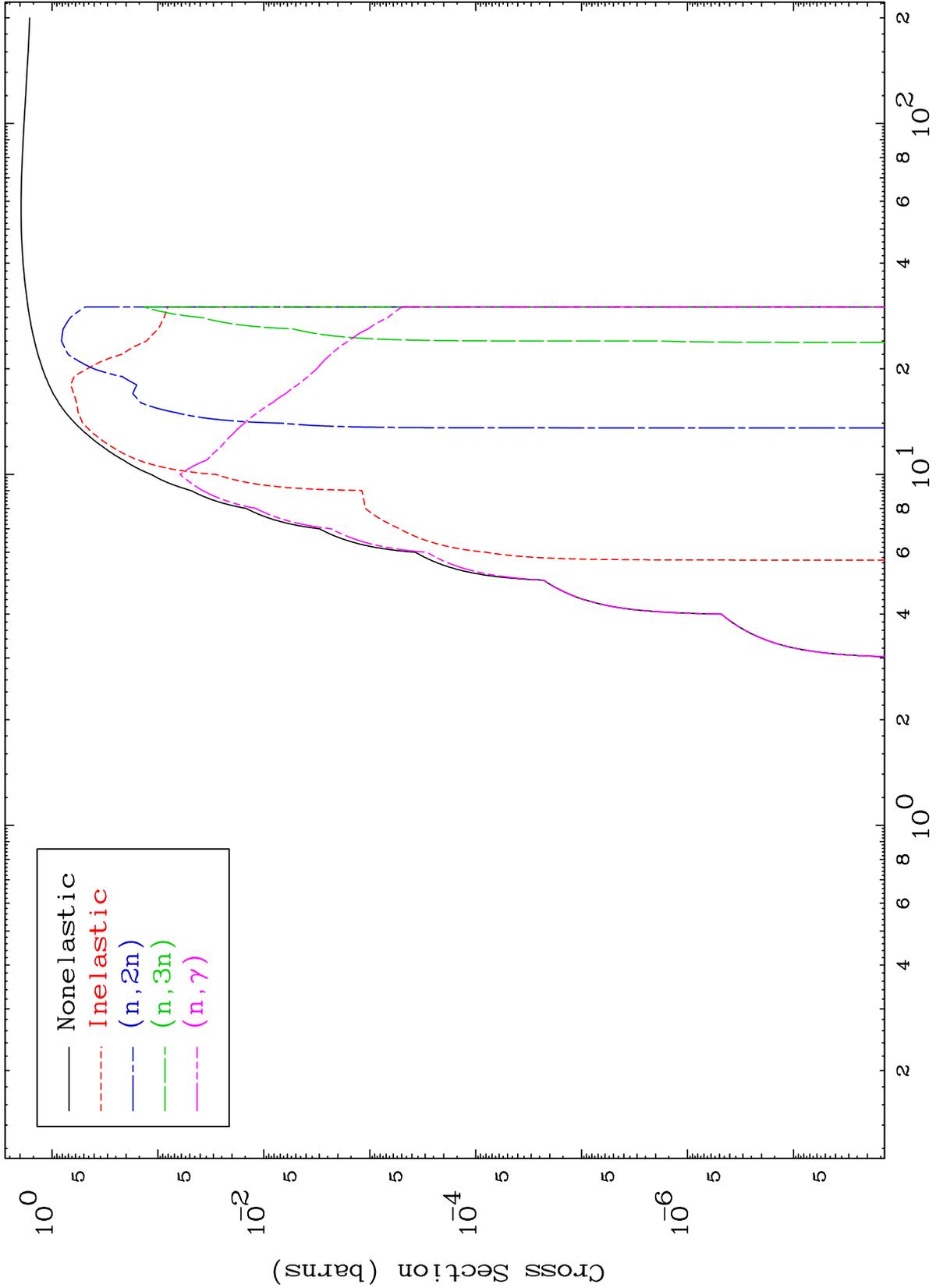
Press Mouse Button to Start

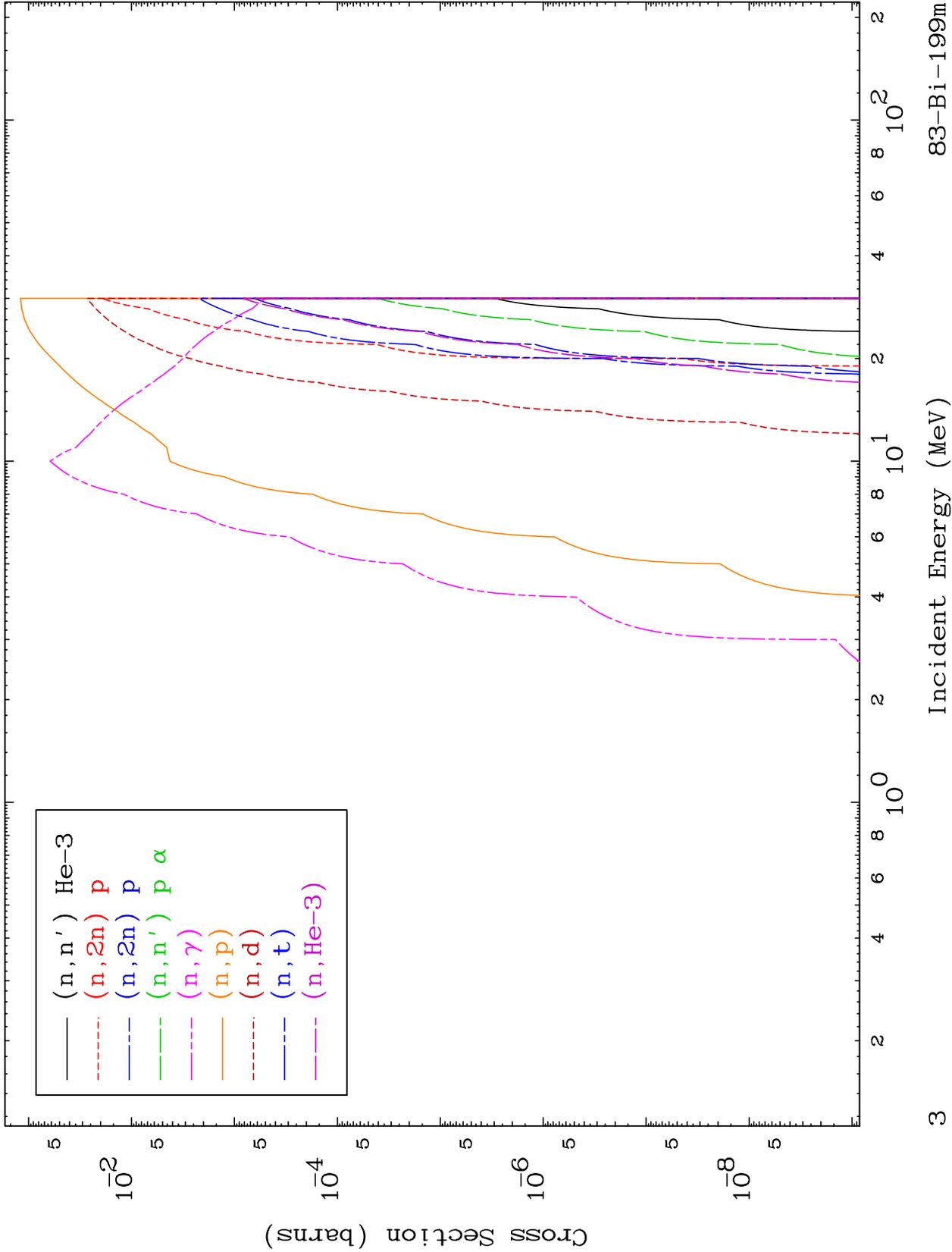
MAT 8296

Proton Major

83-Bi-199m

0 Kelvin Cross Sections

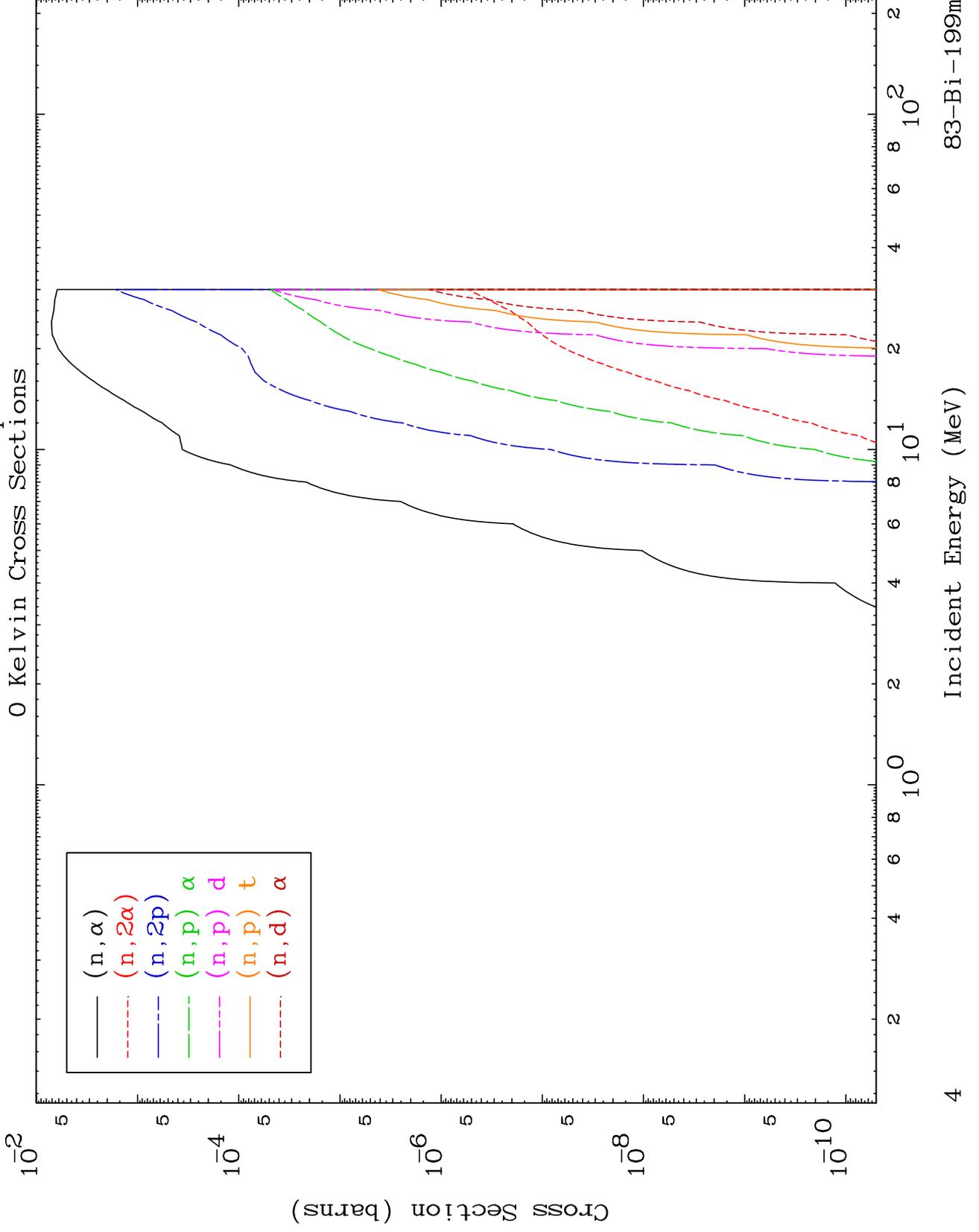




MAT 8296

Proton Neutron Absorption
0 Kelvin Cross Sections

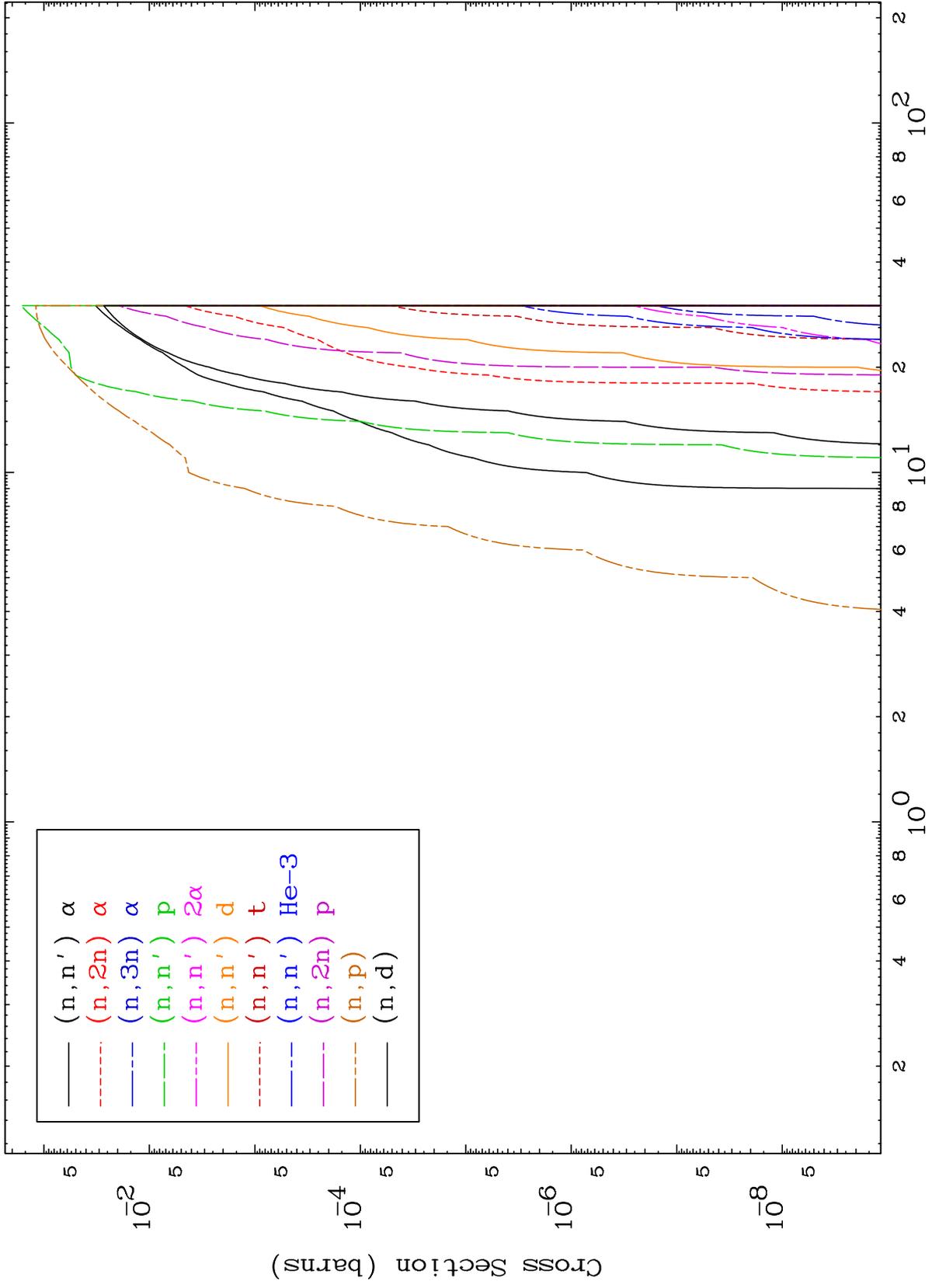
83-Bi-199m

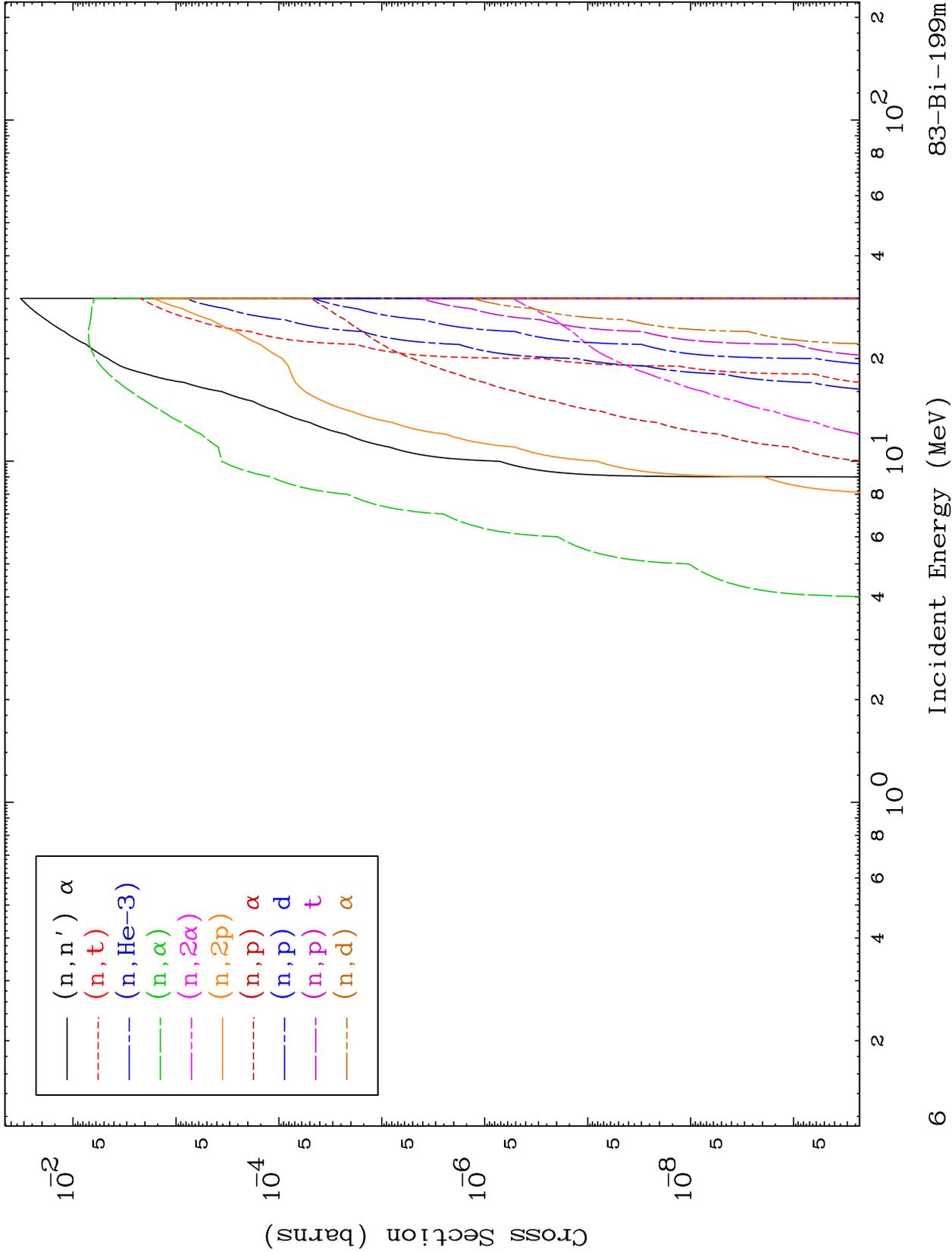


MAT 8296

Proton Charged Particle
0 Kelvin Cross Sections

83-Bi-199m



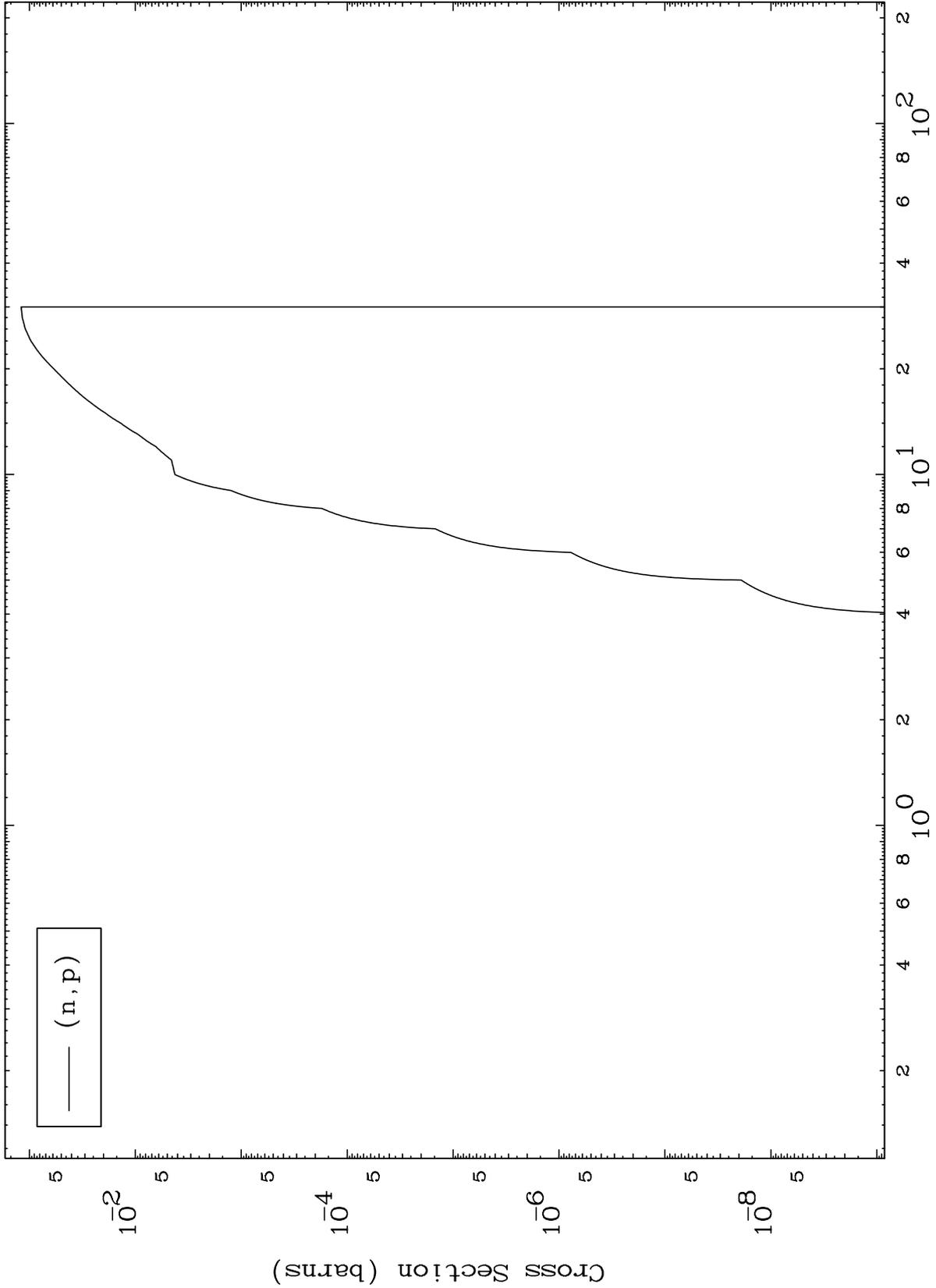


MAT 8296

(p,p) Levels

83-Bi-199m

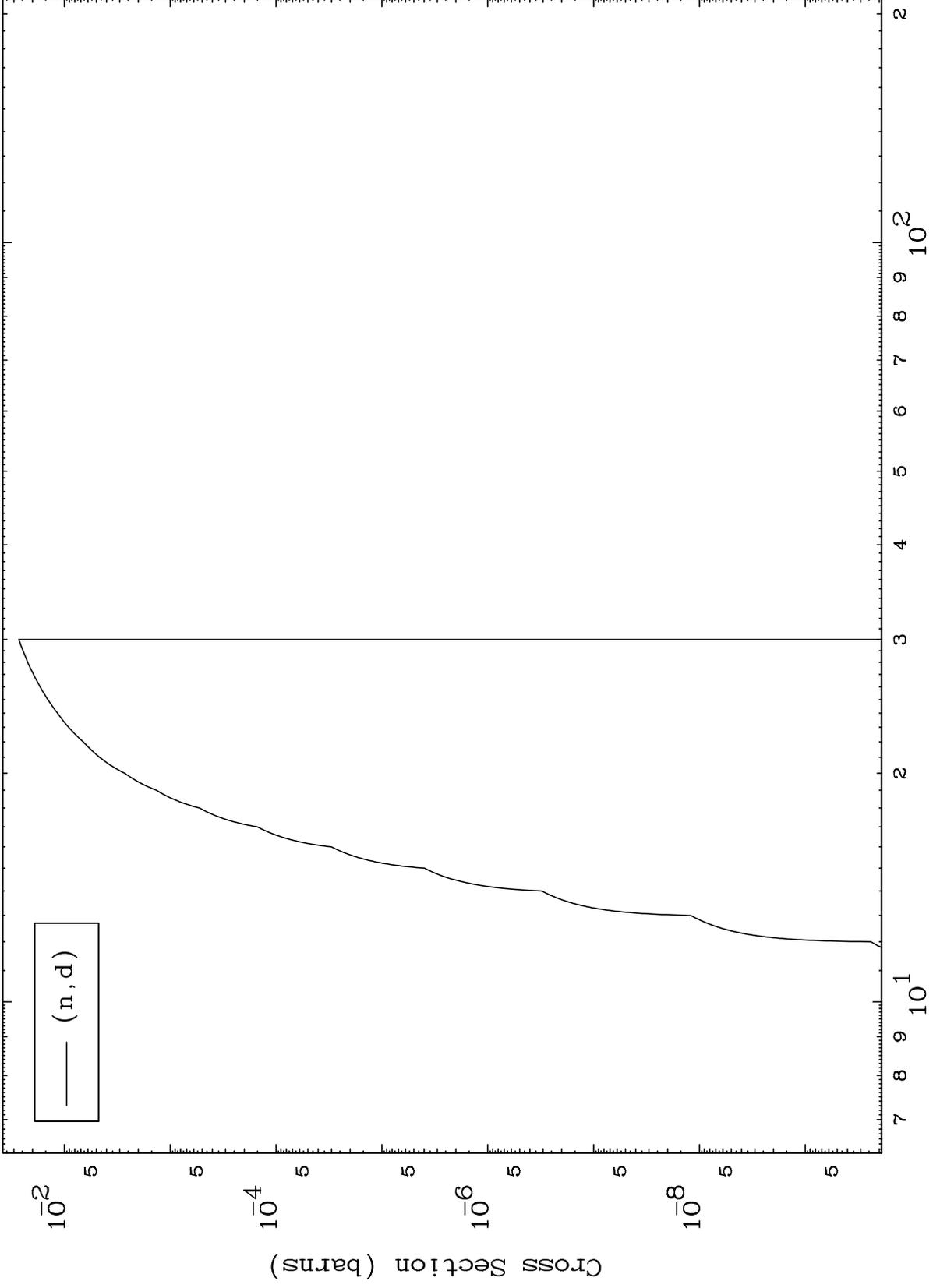
0 Kelvin Cross Sections



MAT 8296

(p,d) Levels
0 Kelvin Cross Sections

83-Bi-199m



8

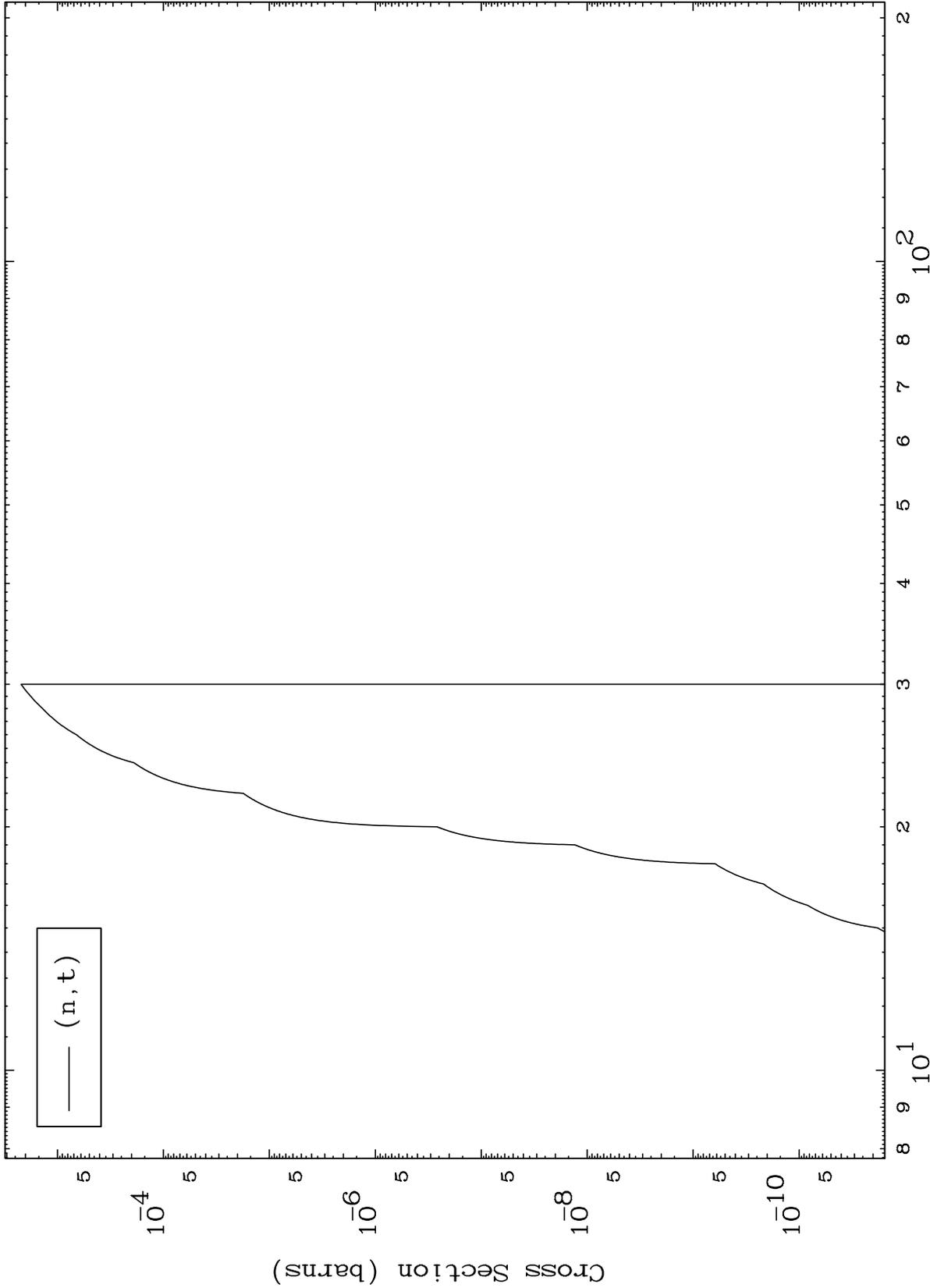
Incident Energy (MeV)

83-Bi-199m

MAT 8296

(p,t) Levels
0 Kelvin Cross Sections

83-Bi-199m



9

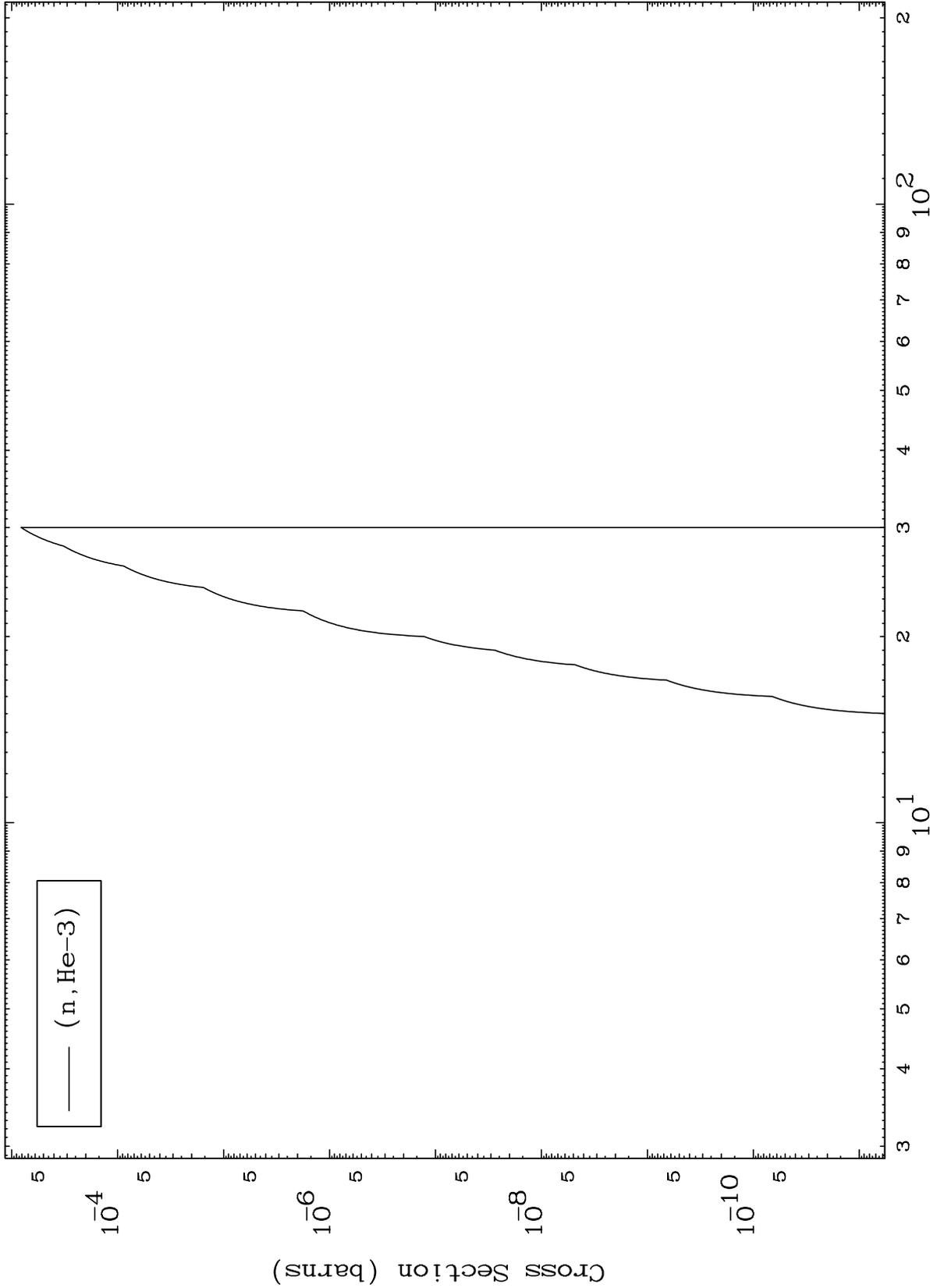
Incident Energy (MeV)

83-Bi-199m

MAT 8296

(p,He3) Levels
0 Kelvin Cross Sections

83-Bi-199m



10

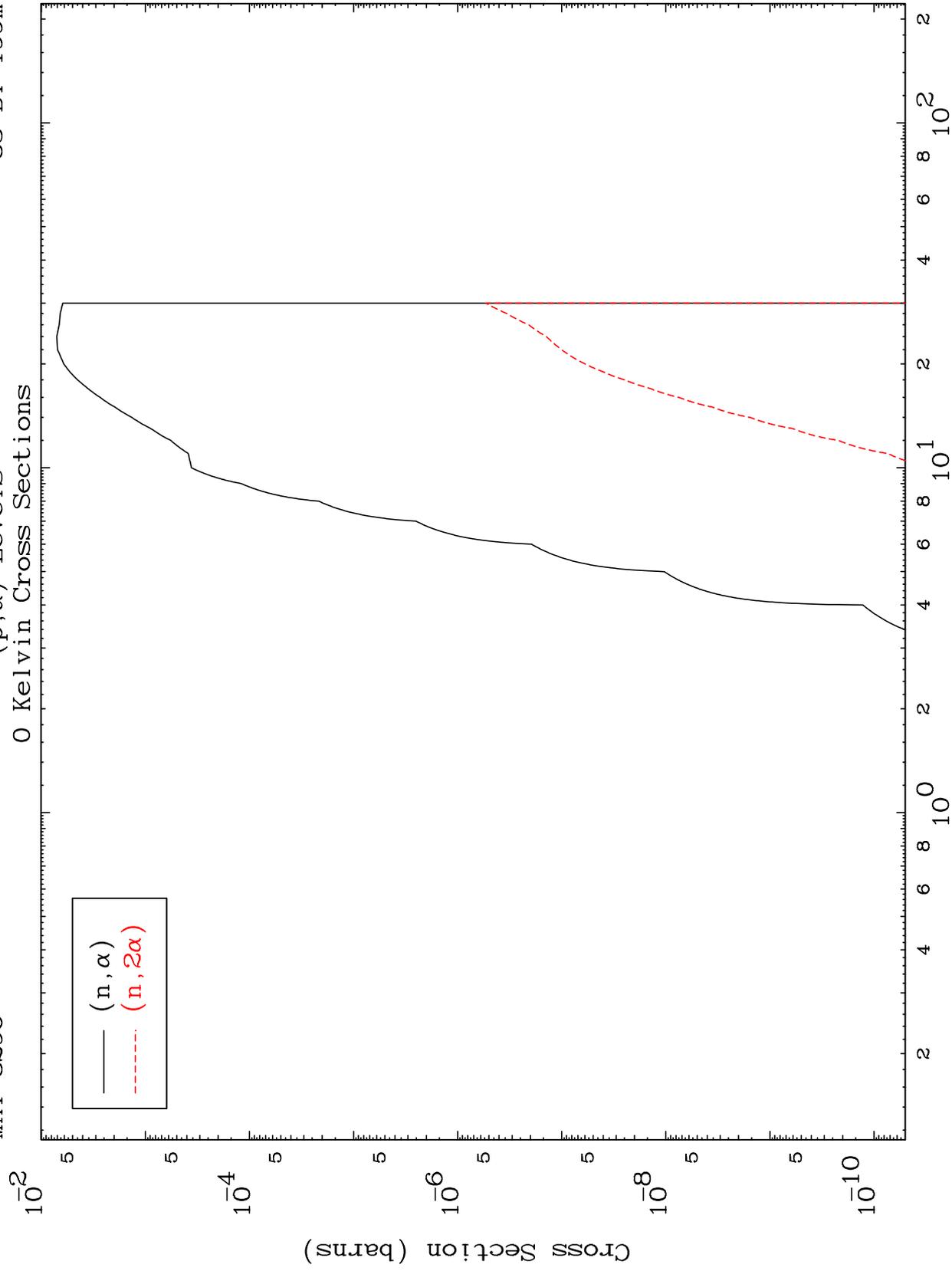
Incident Energy (MeV)

83-Bi-199m

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83-Bi-199m

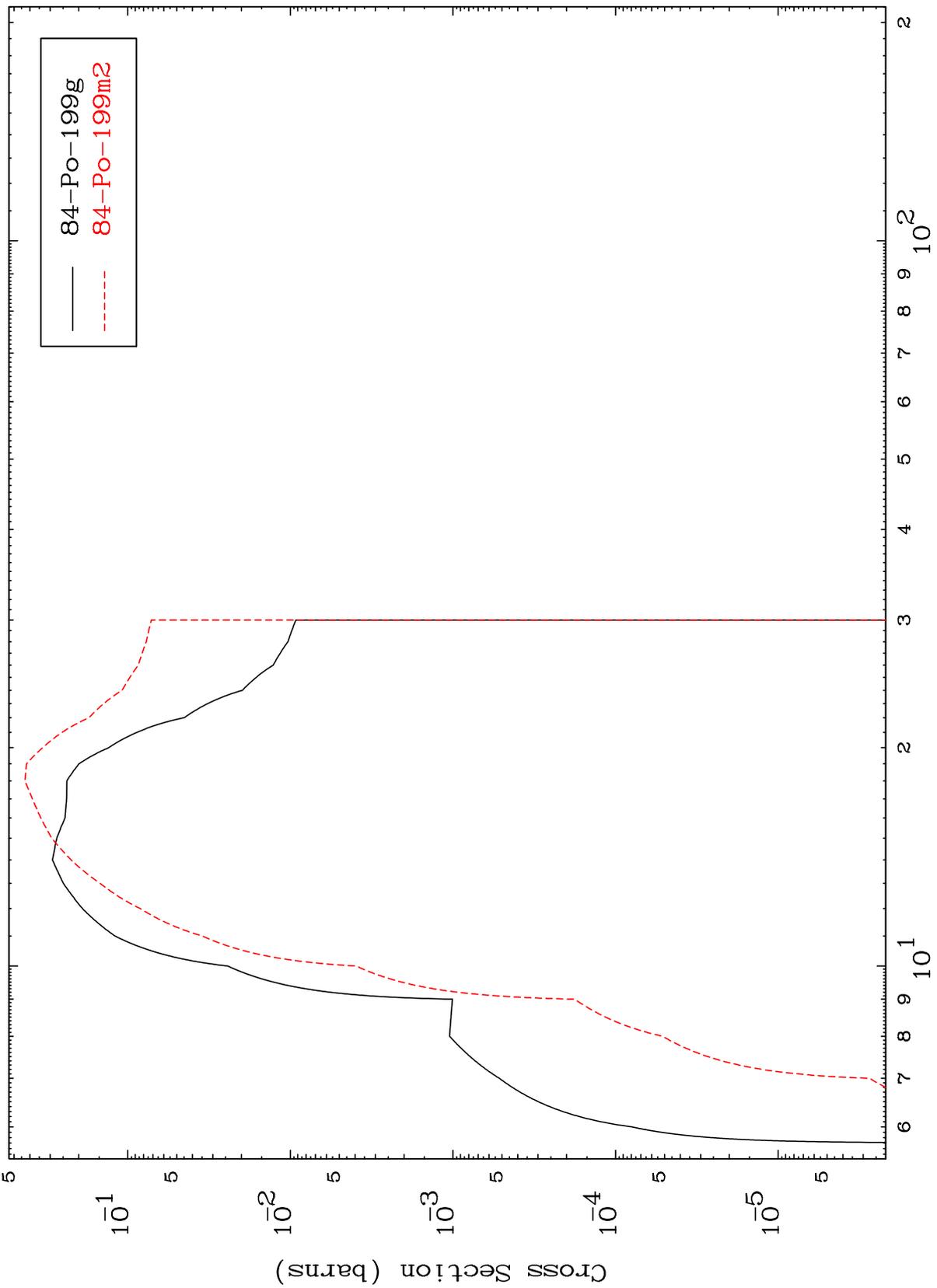
(p, α) Levels
0 Kelvin Cross Sections



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83-Bi-199m

Inelastic
Radionuclide Production Cross Section



12

Incident Energy (MeV)

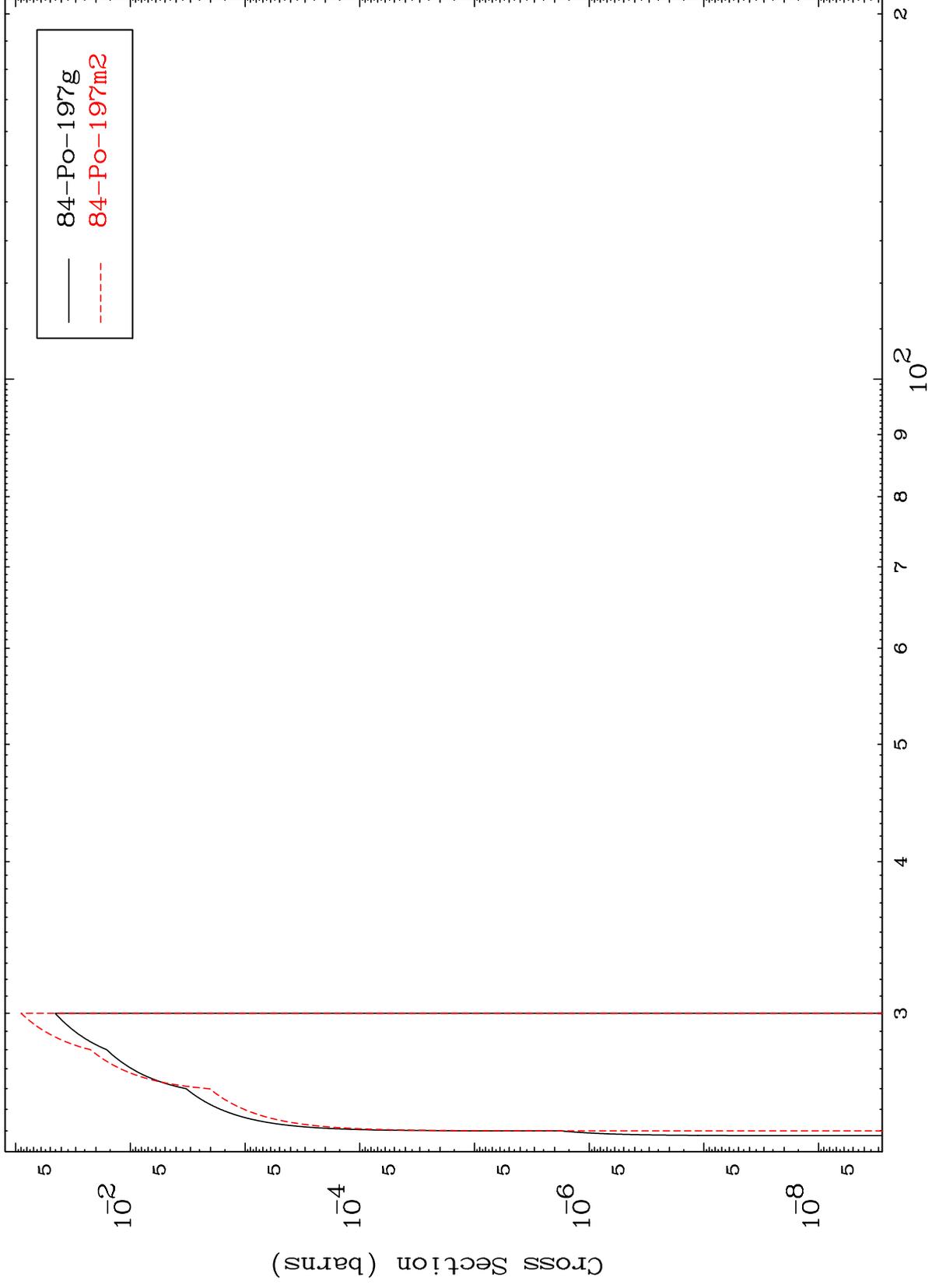
83-Bi-199m

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(n,3n)

83-Bi-199m

Radionuclide Production Cross Section



13

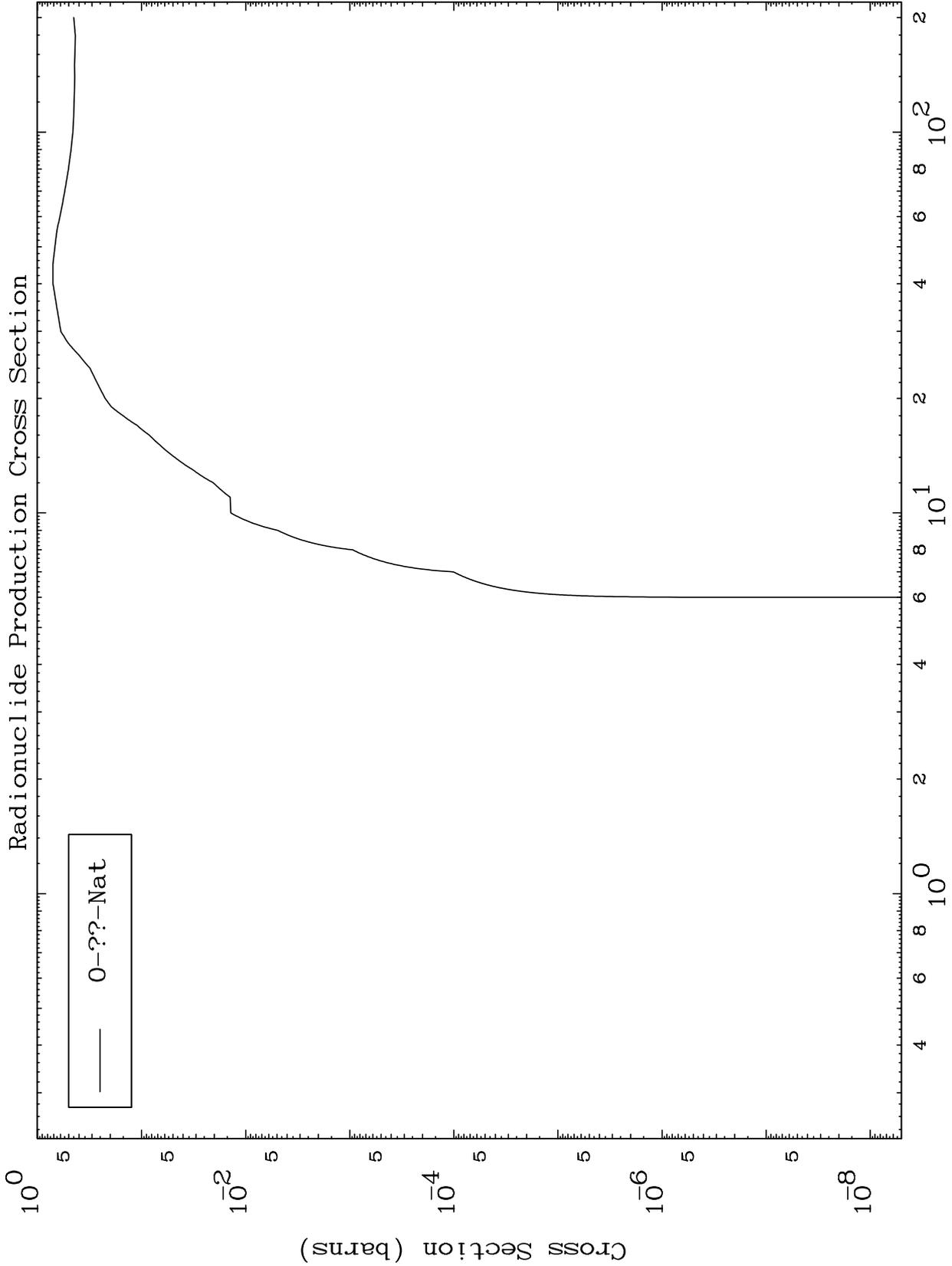
Incident Energy (MeV)

83-Bi-199m

MAT 8296

83-Bi-199m

Fission
Radionuclide Production Cross Section

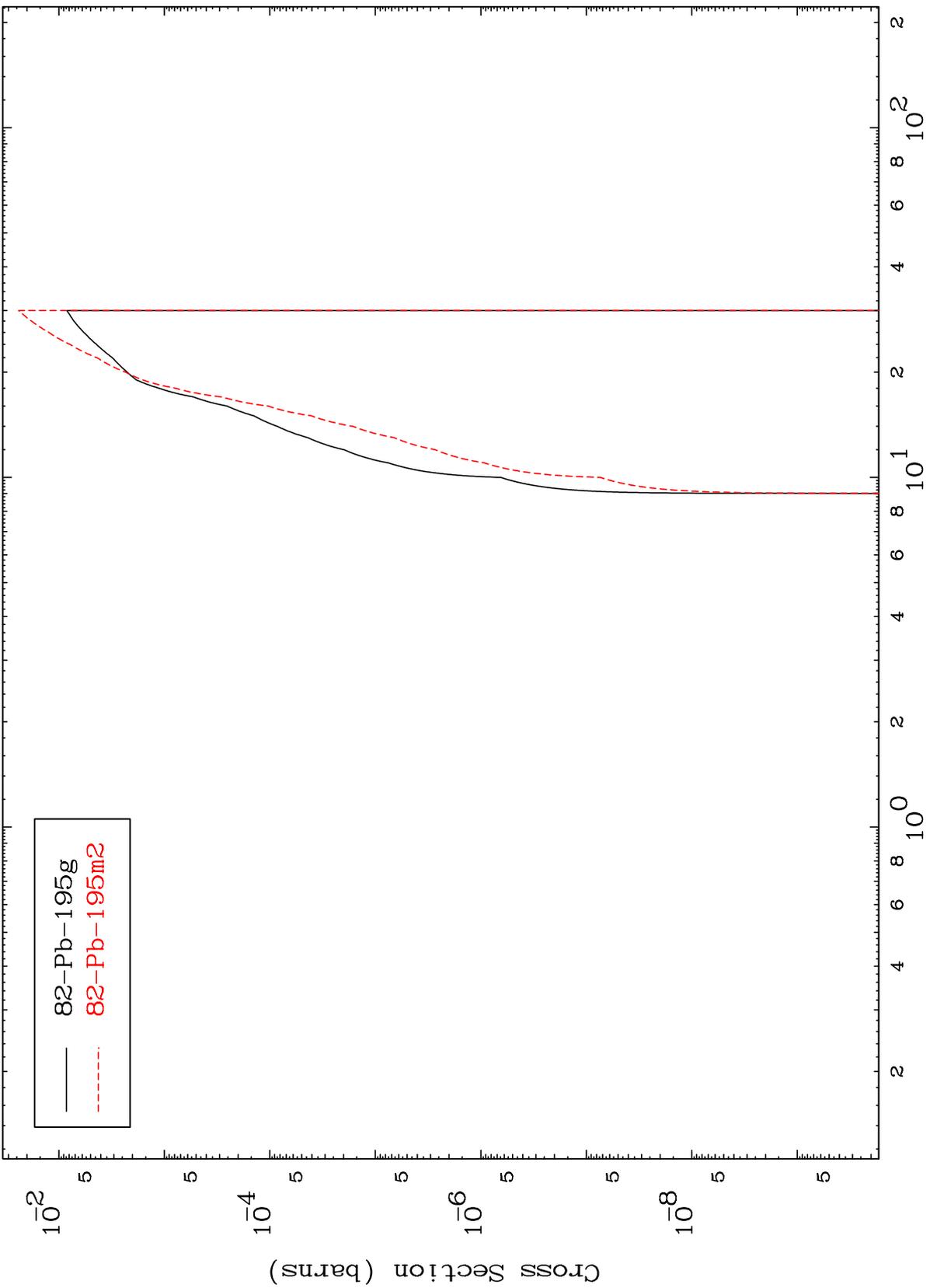


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$(n, n') \alpha$

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

Radionuclide Production Cross Section



15

Incident Energy (MeV)

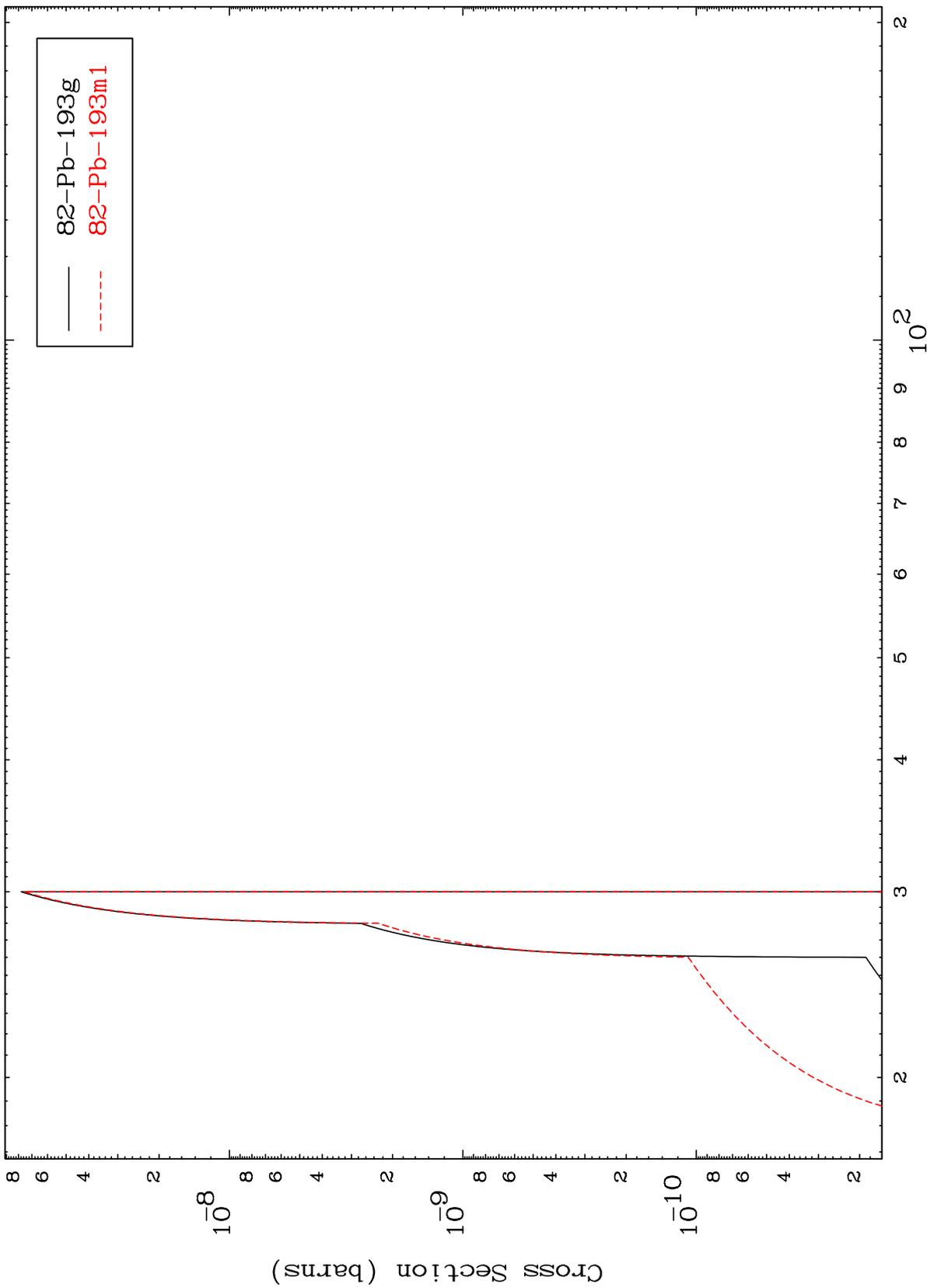
$^{83}\text{Bi}-199\text{m}$

MAT 8296

(n,3n) α

83-Bi-199m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

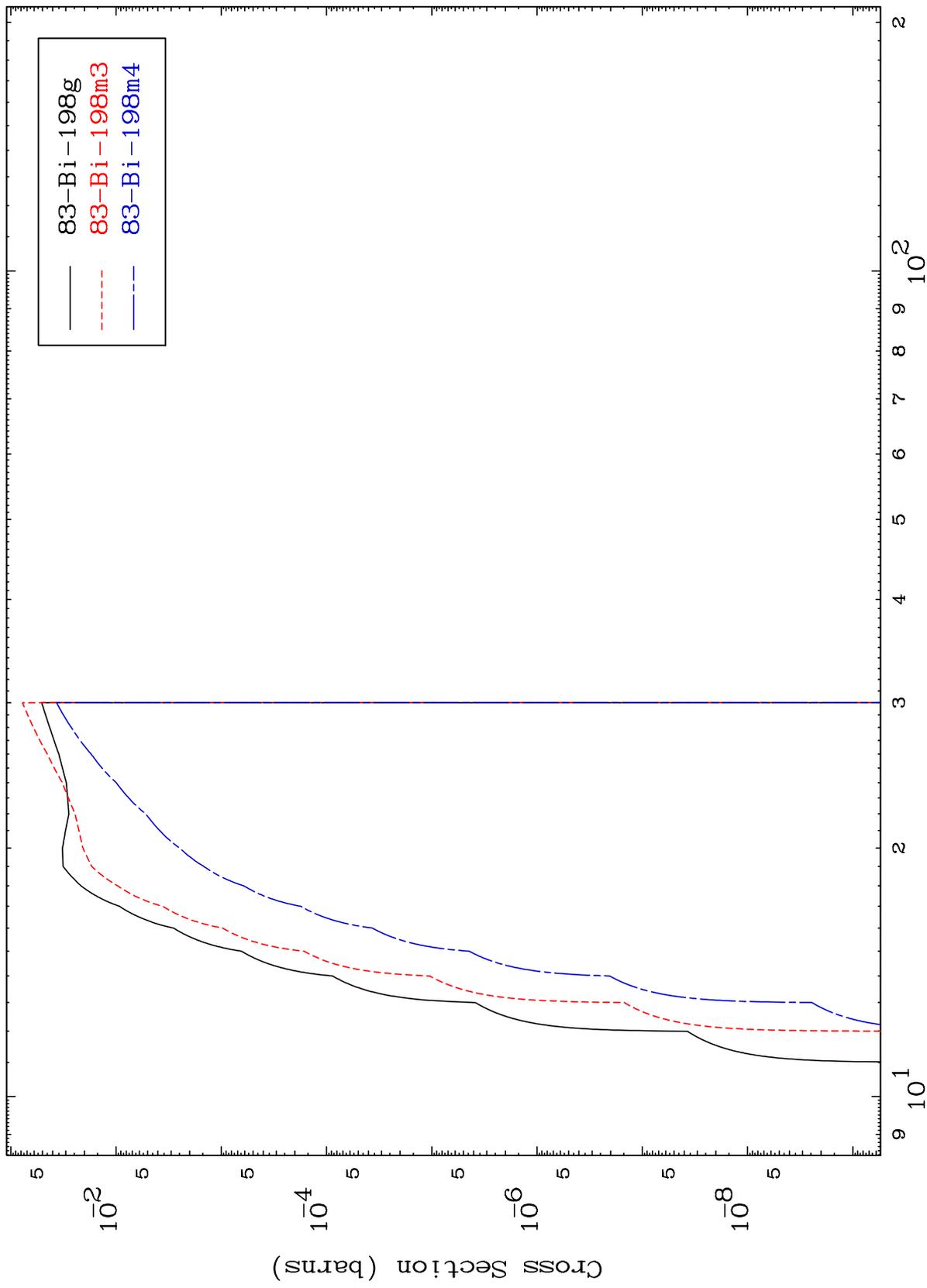
83-Bi-199m

MAT 8296

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

(n, n') p

Radionuclide Production Cross Section



17

Incident Energy (MeV)

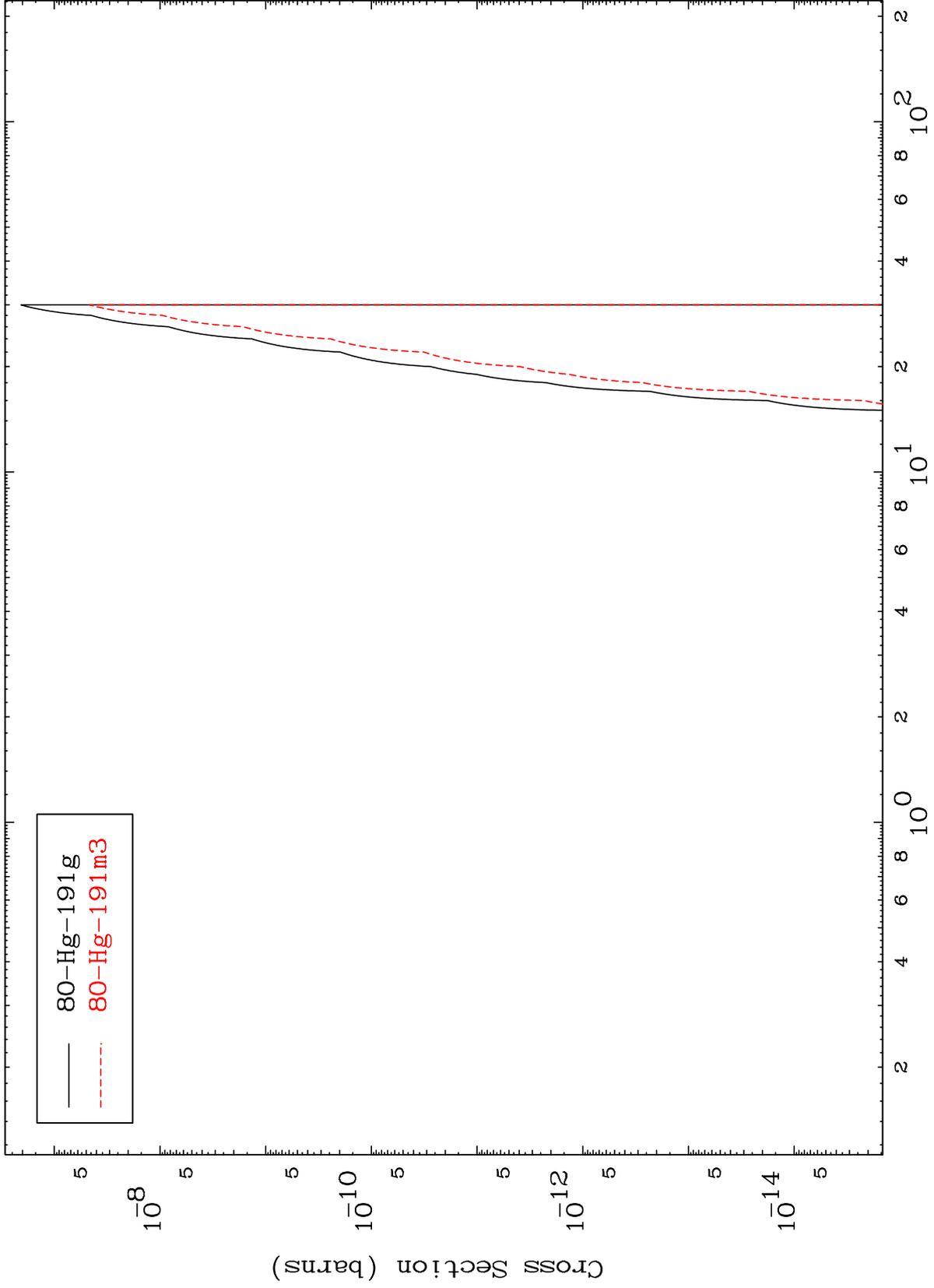
$^{83}\text{Bi}-199\text{m}$

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(n,n') 2 α

83-Bi-199m

Radionuclide Production Cross Section

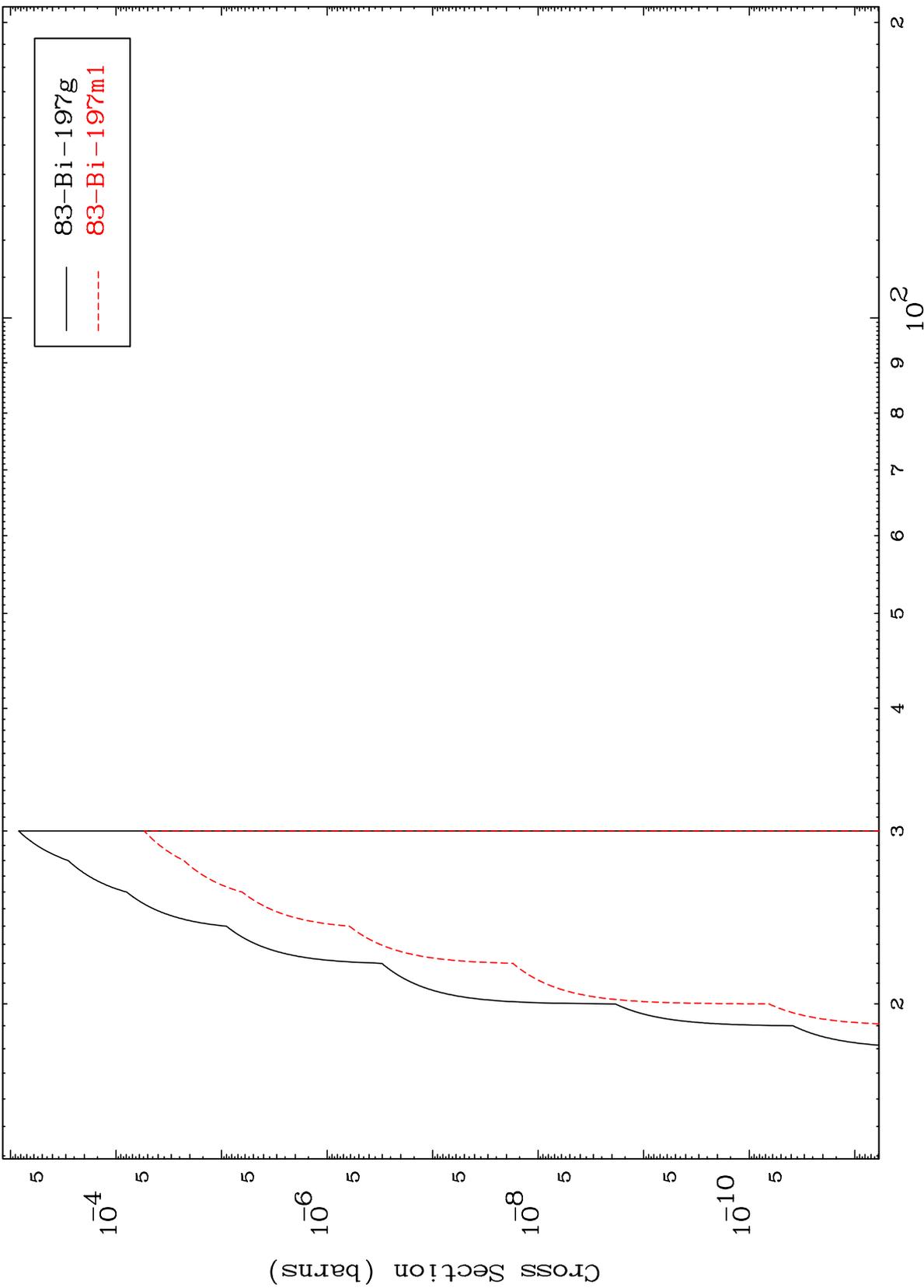


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(n,n') d

83-Bi-199m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

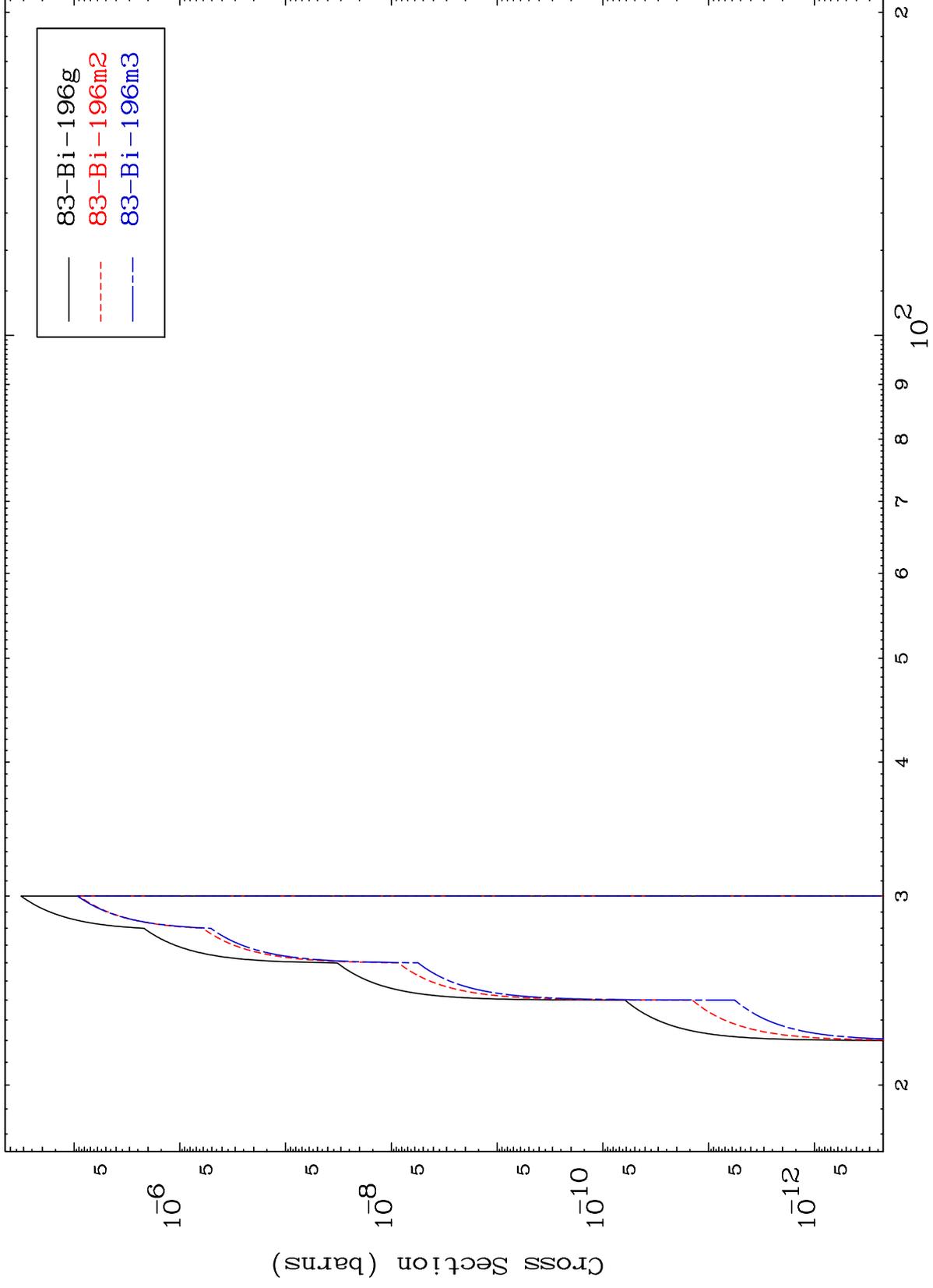
83-Bi-199m

MAT 8296

(n,n') t

83-Bi-199m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

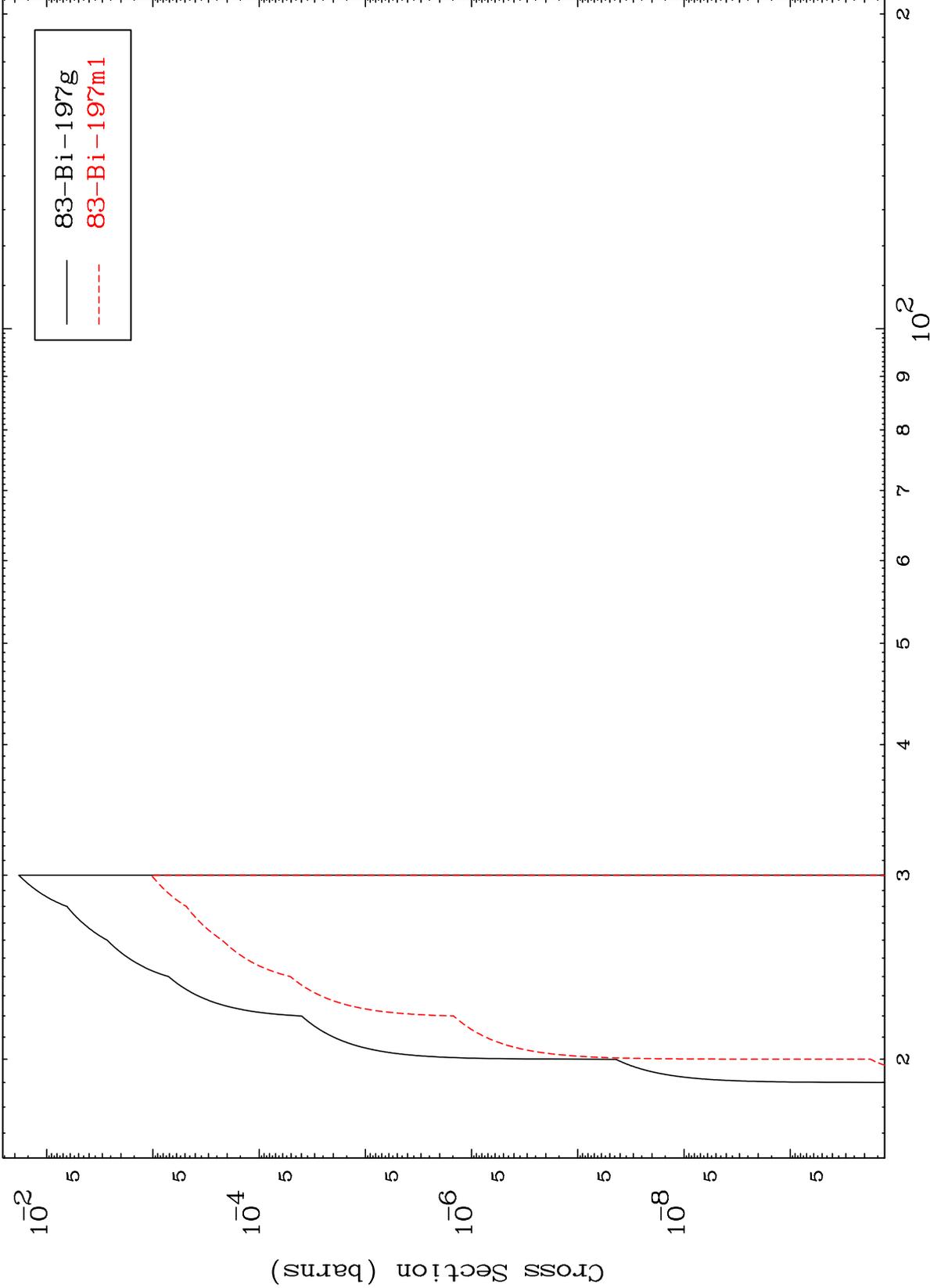
83-Bi-199m

MAT 8296

(n,2n) p

83-Bi-199m

Radionuclide Production Cross Section

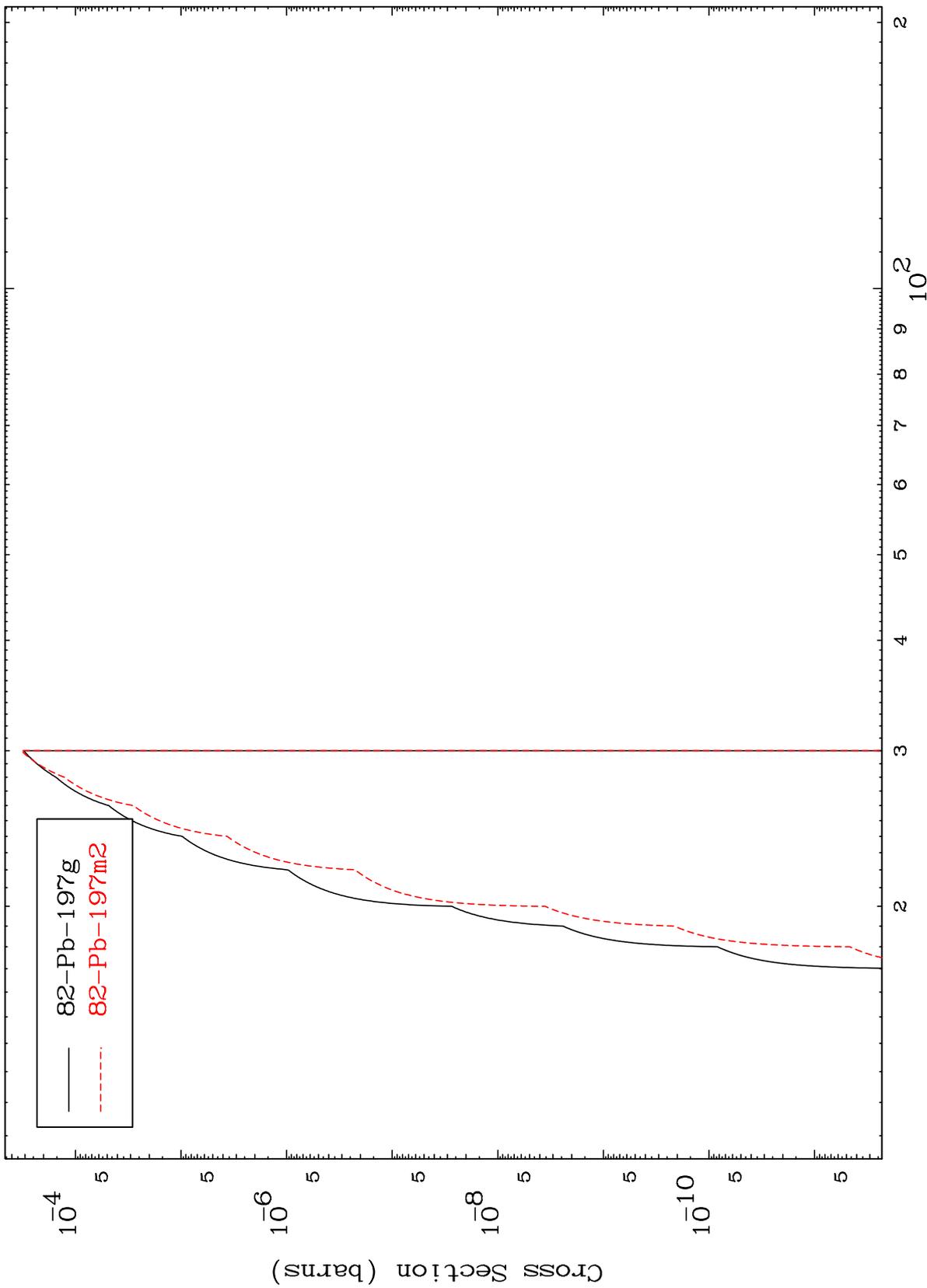


MAT 8296

(n,2n) p

83-Bi-199m

Radionuclide Production Cross Section

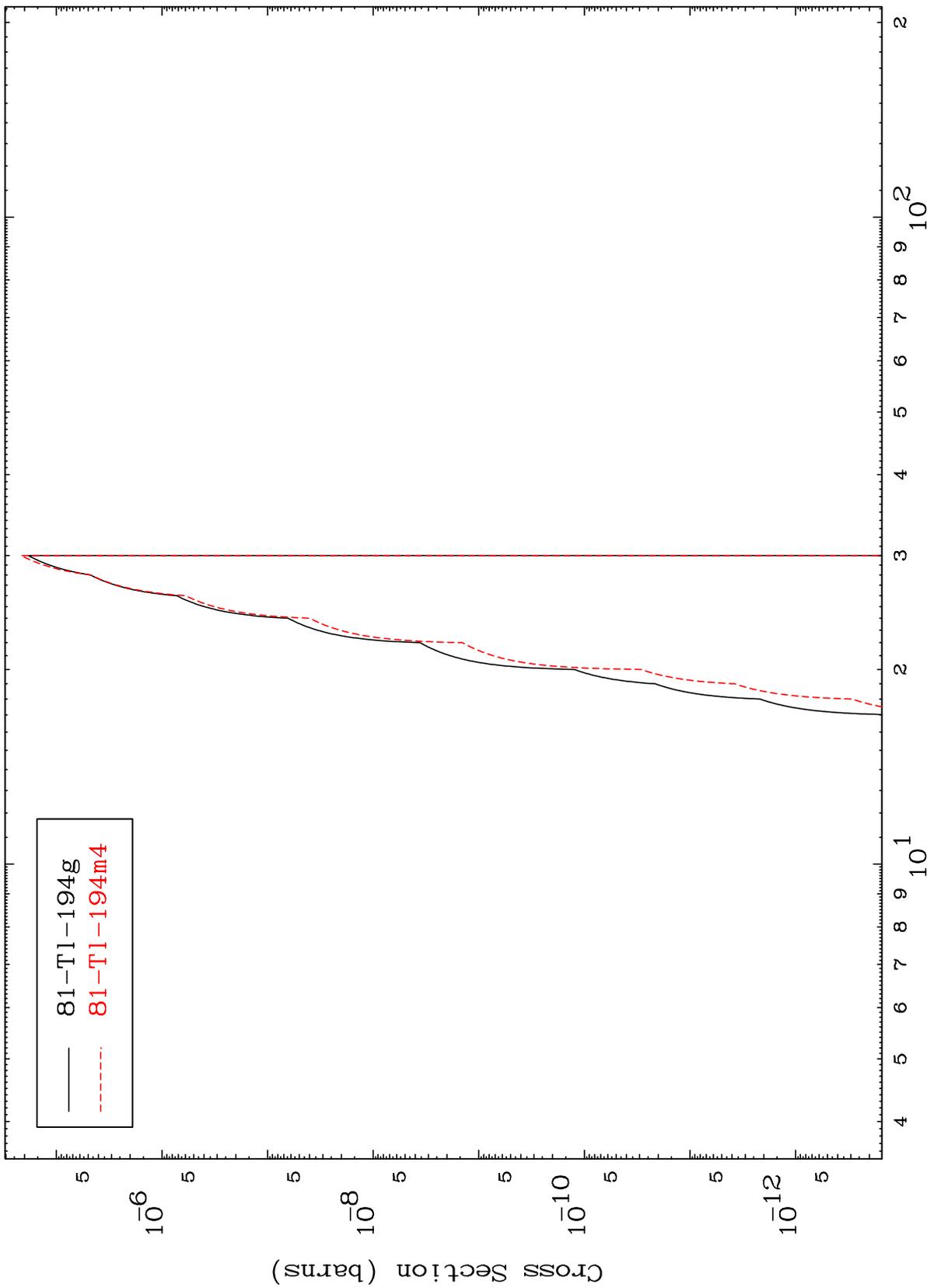


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(n,n') p α

83-Bi-199m

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m4

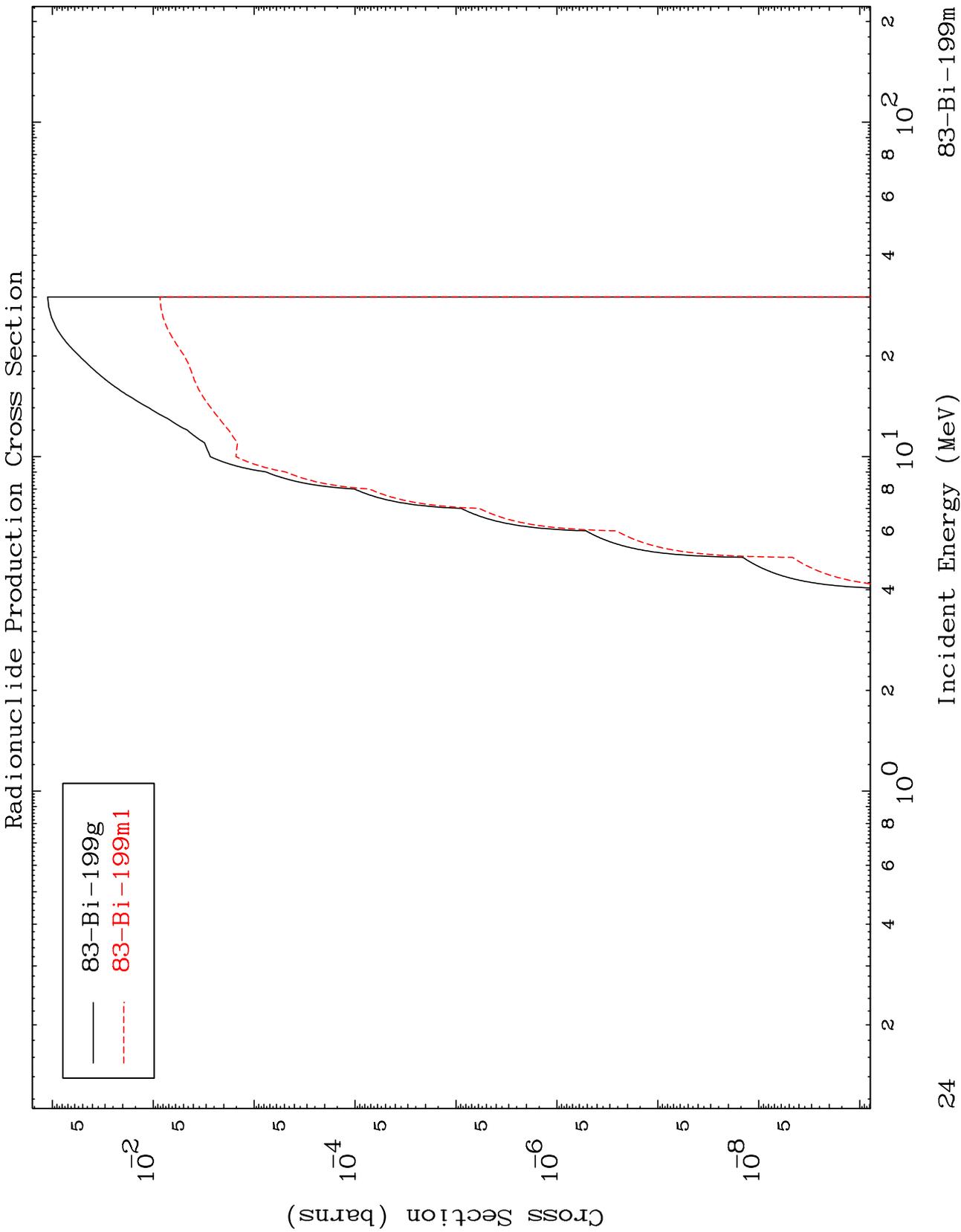
Incident Energy (MeV)

83-Bi-199m

23

MAT 8296

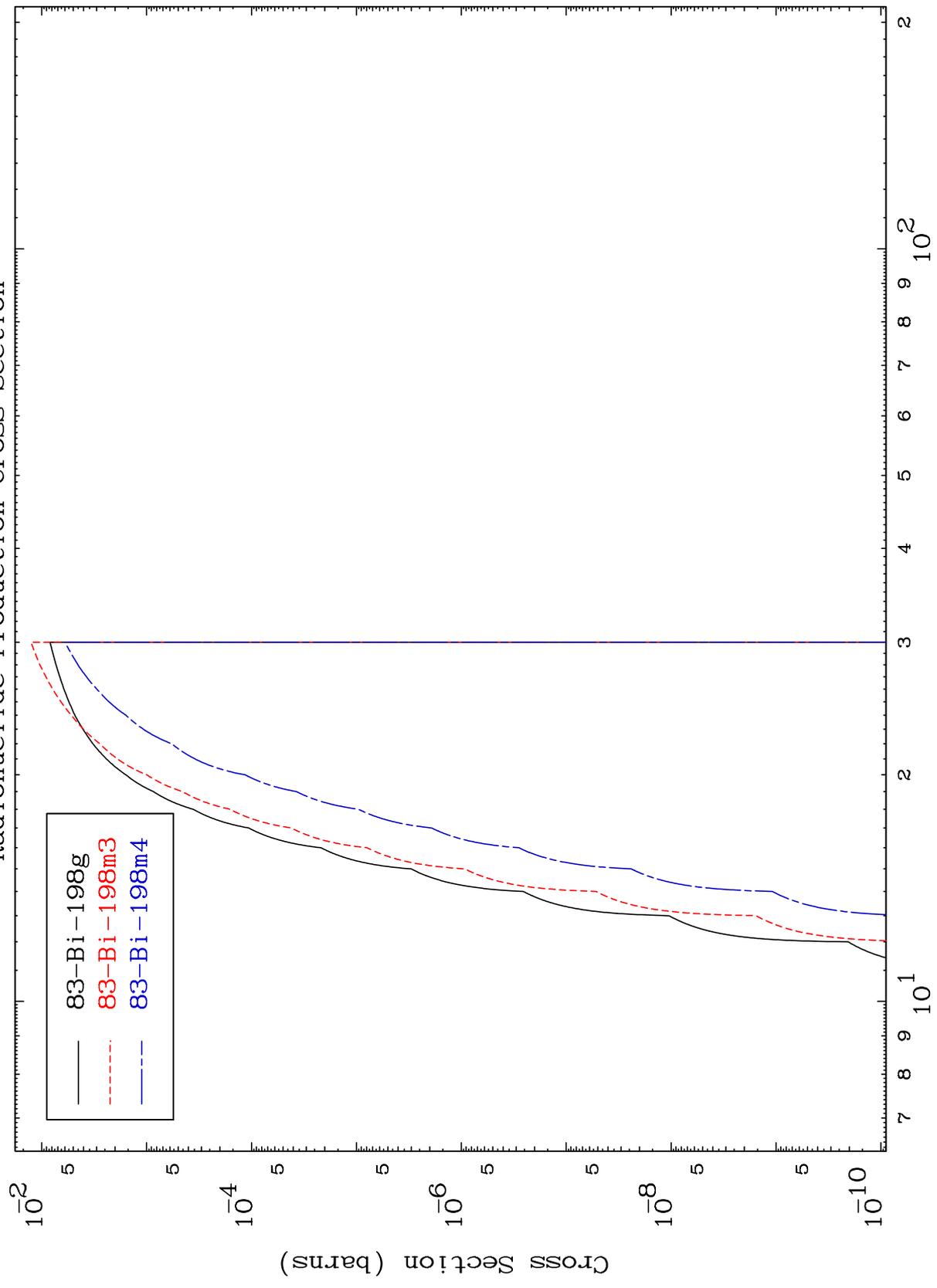
⁸³Bi-199m



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

(n,d)
Radionuclide Production Cross Section



25

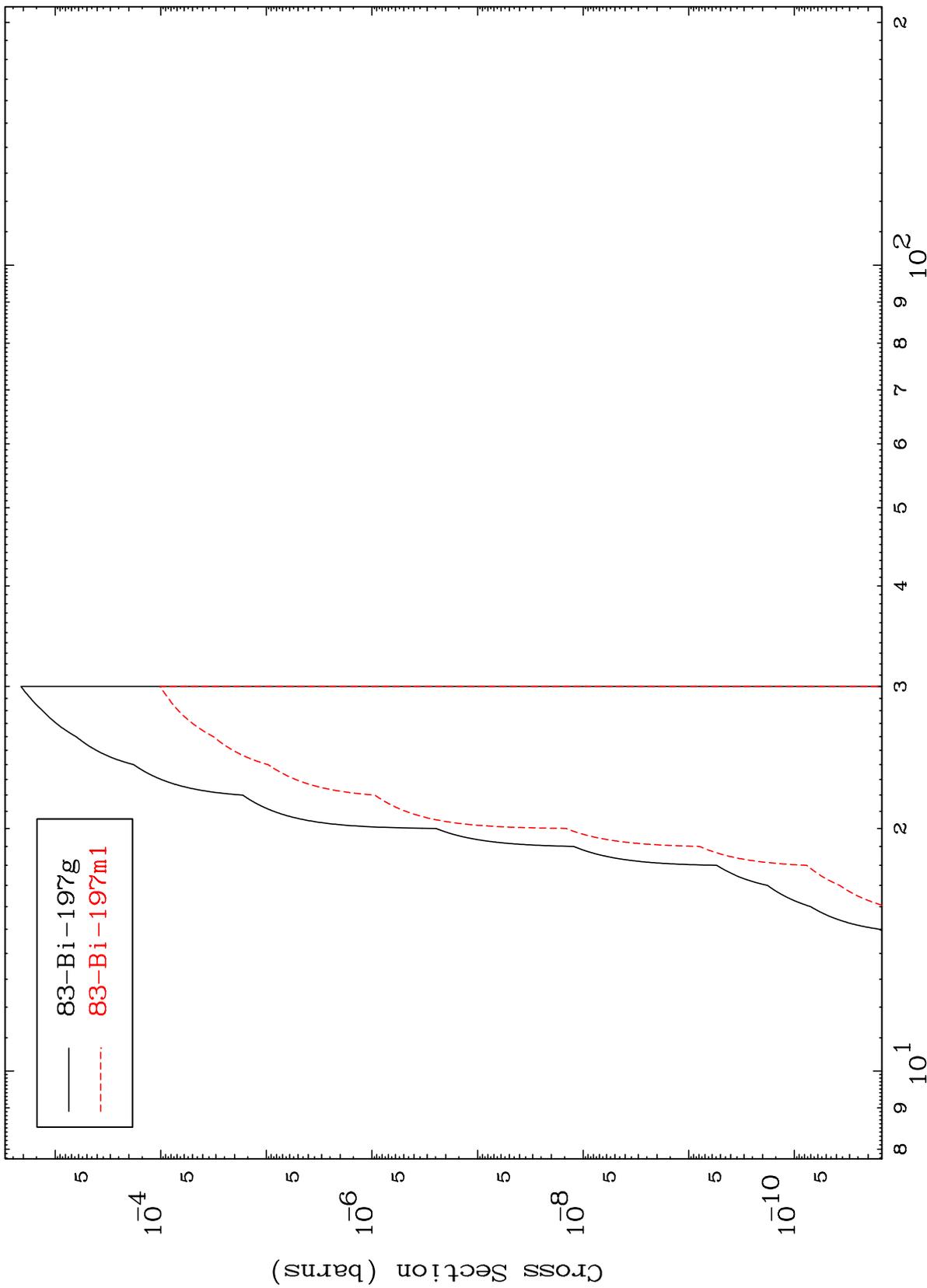
$^{83}\text{Bi}-199\text{m}$

Incident Energy (MeV)

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⁸³Bi-199m

(n, t)
Radionuclide Production Cross Section



— ⁸³Bi-197g
- - - ⁸³Bi-197m1

⁸³Bi-199m

Incident Energy (MeV)

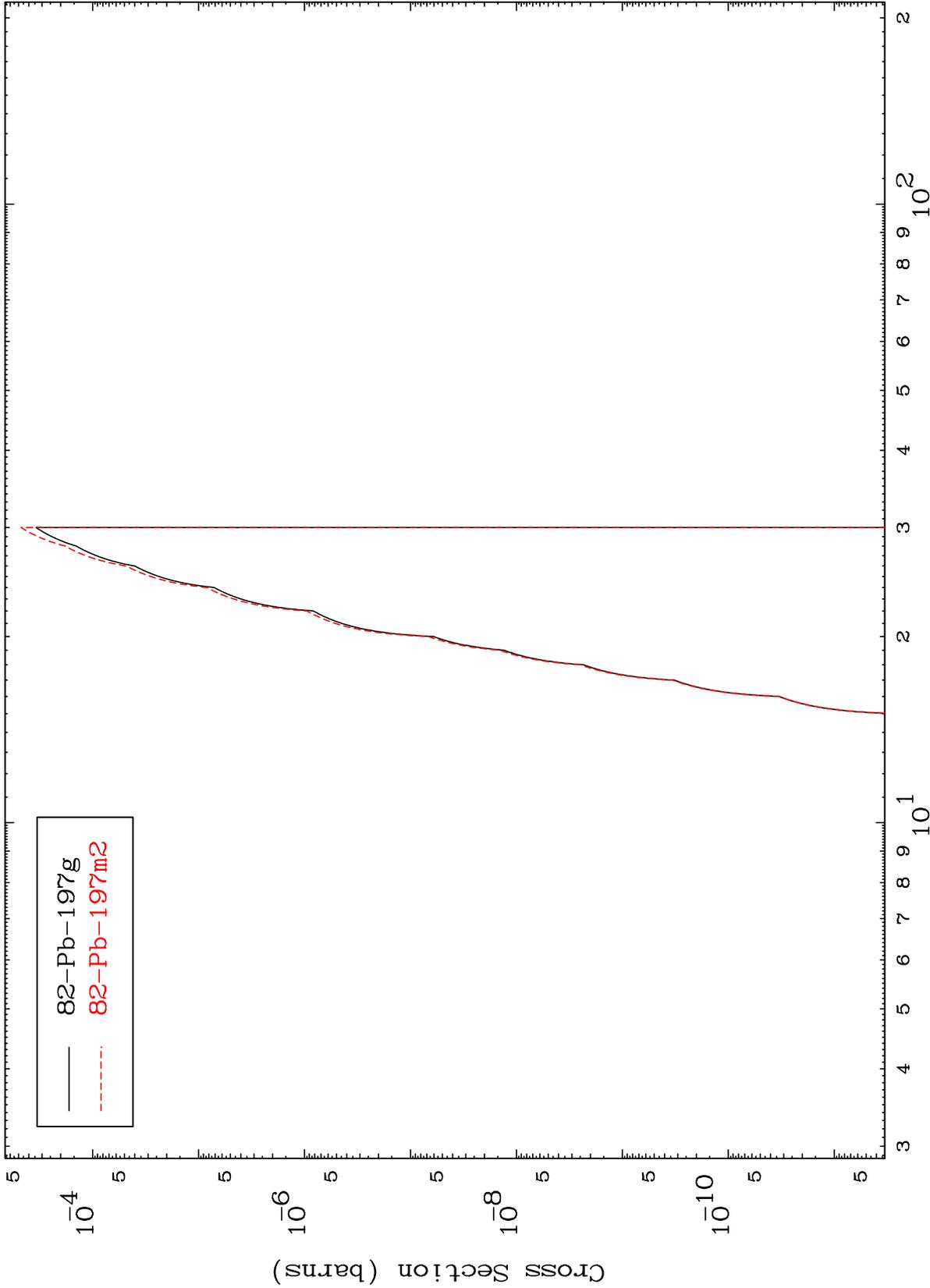
26

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(n,He-3)

83-Bi-199m

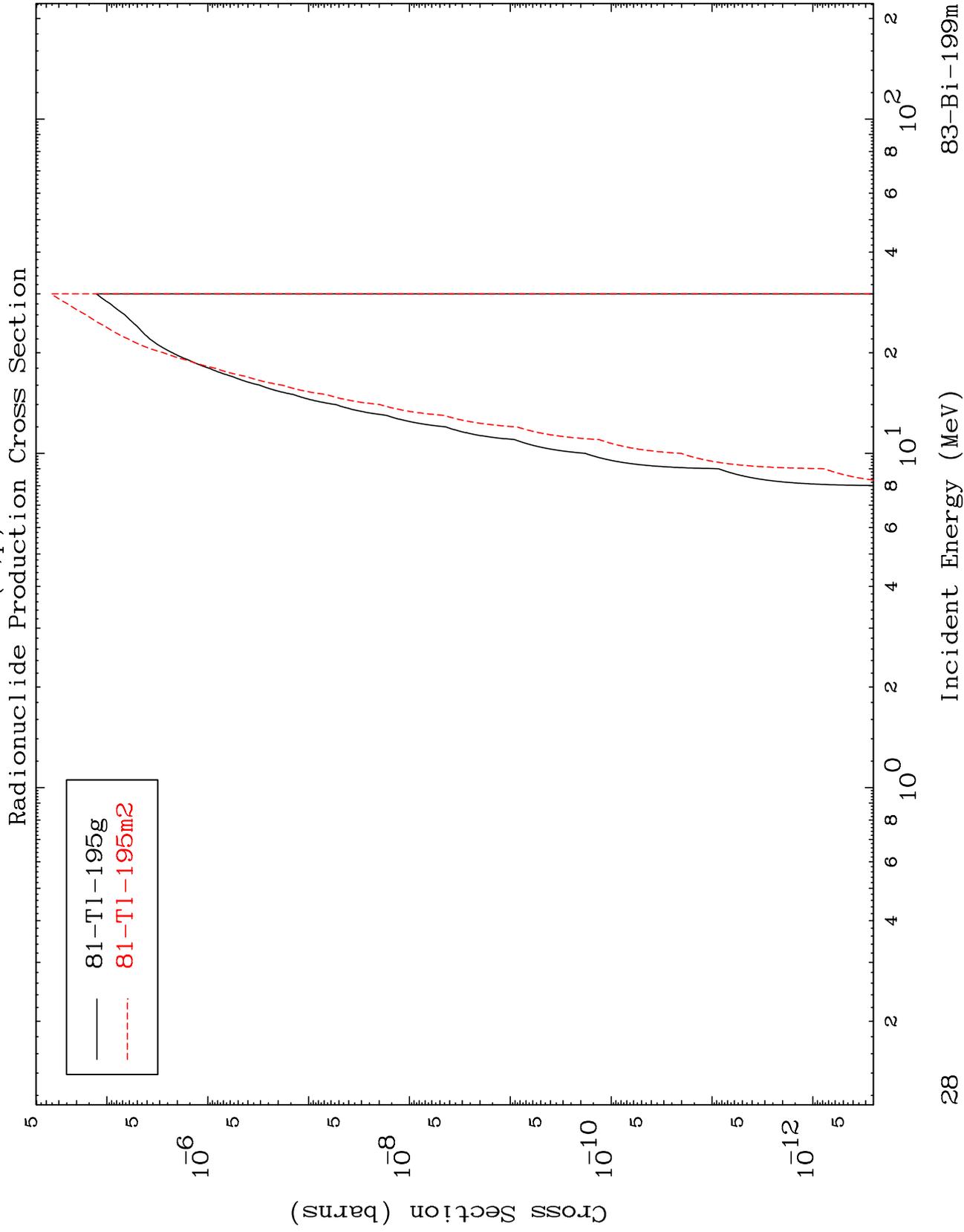
Radionuclide Production Cross Section



MAT 8296

(n,p) α

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

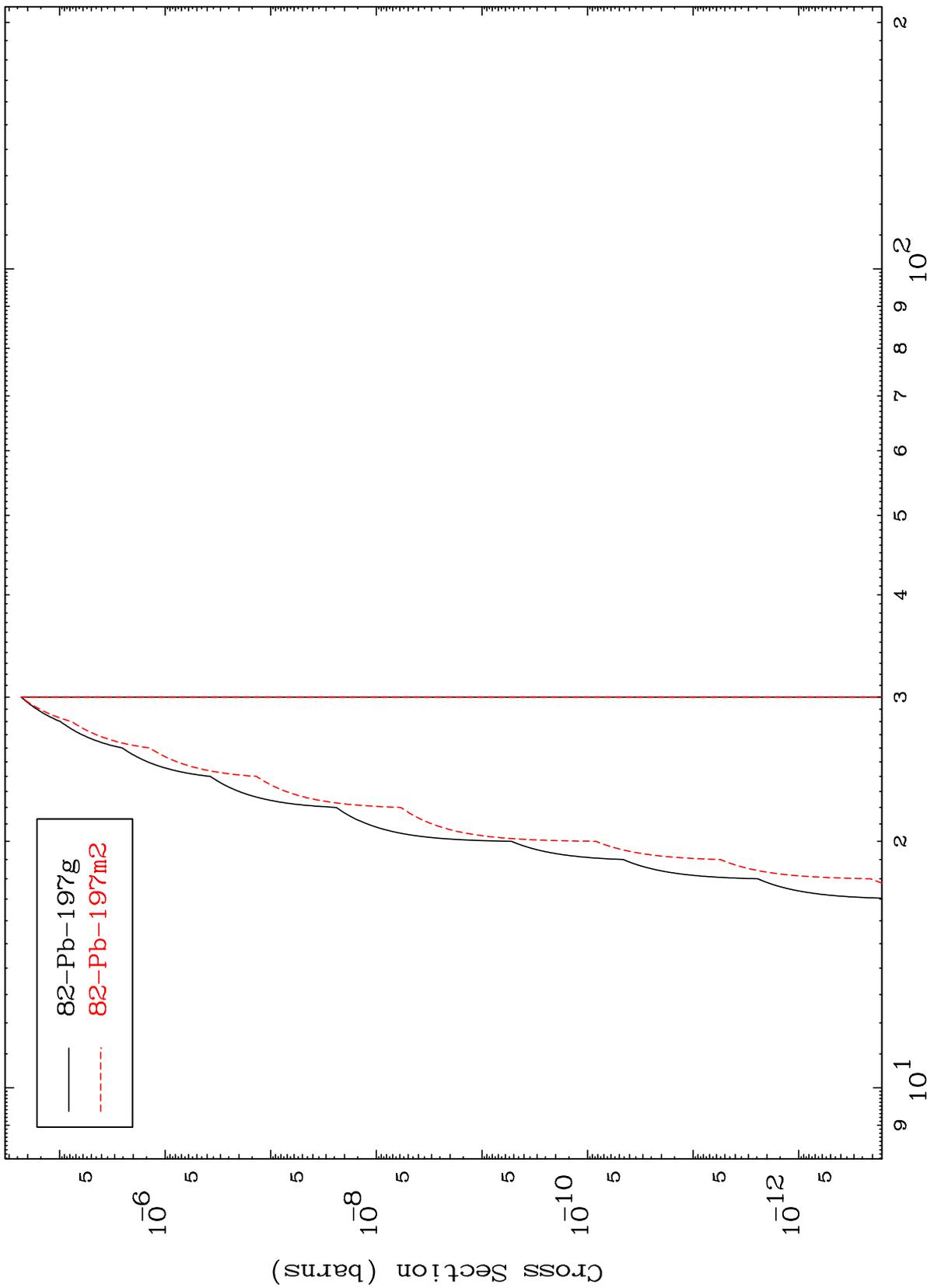


MAT 8296

(n,p) d

83-Bi-199m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

83-Bi-199m

MAT 8296

(n,d) α

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

Radionuclide Production Cross Section

