

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

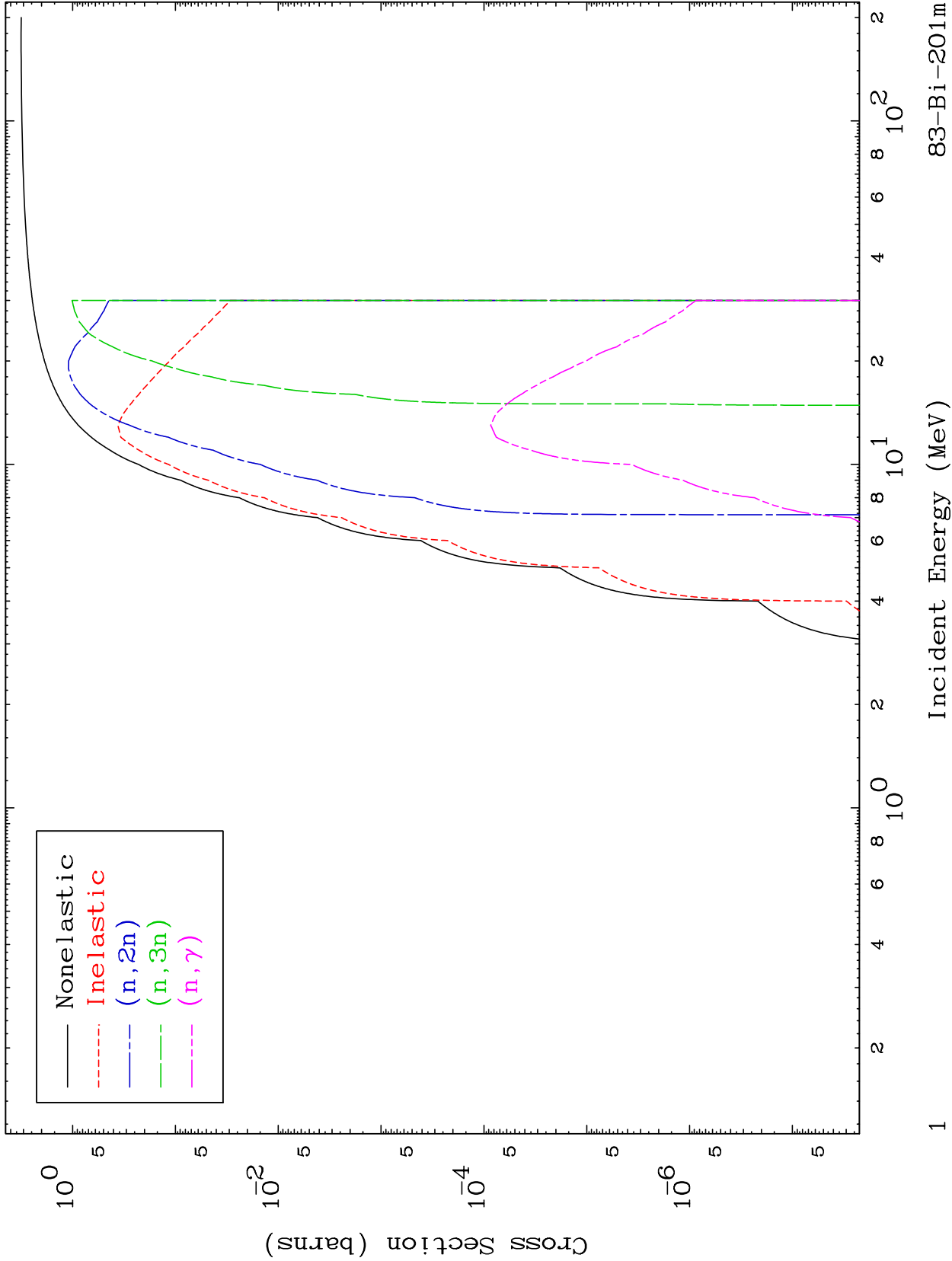
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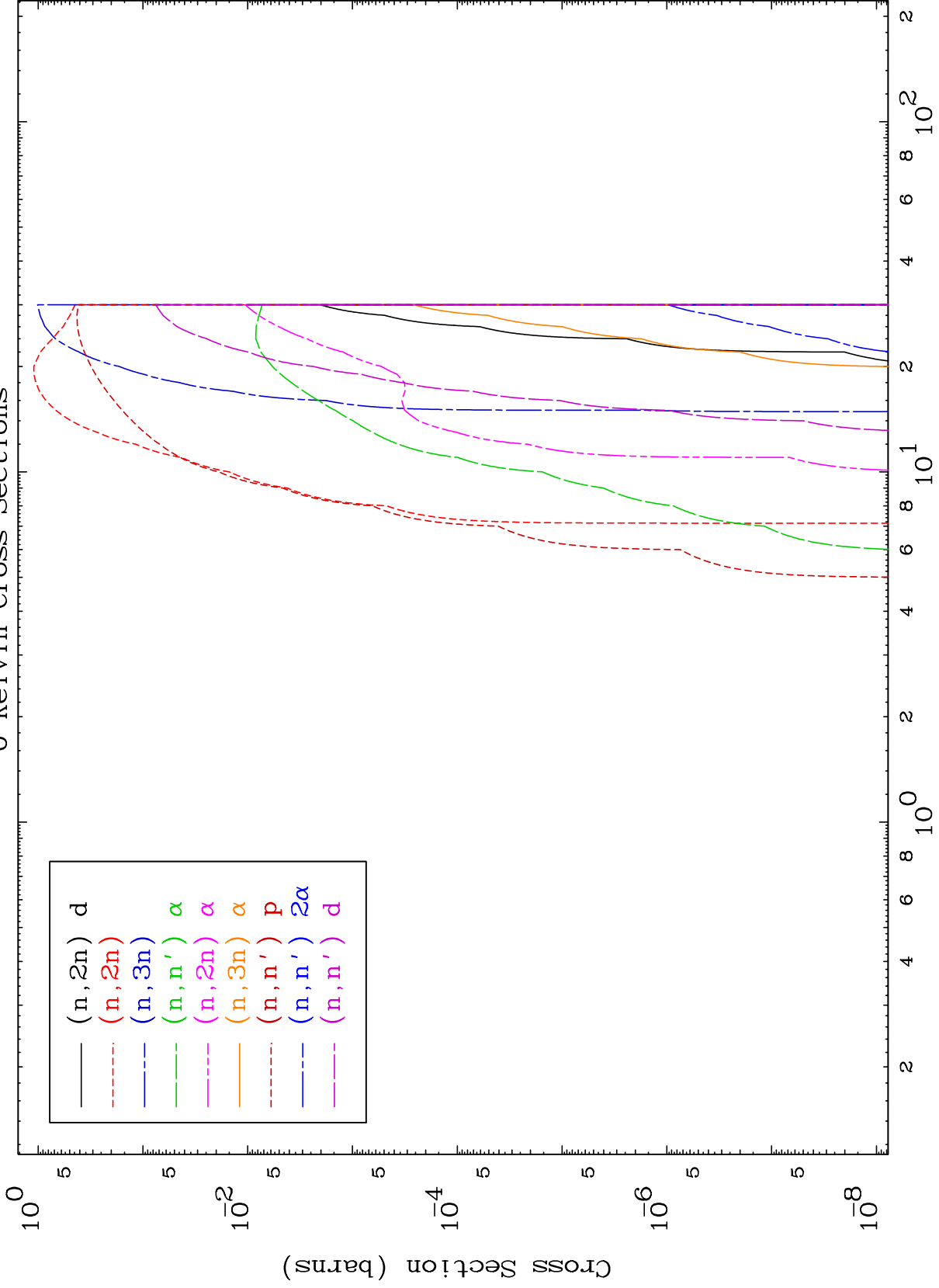
Press Mouse Button to Start

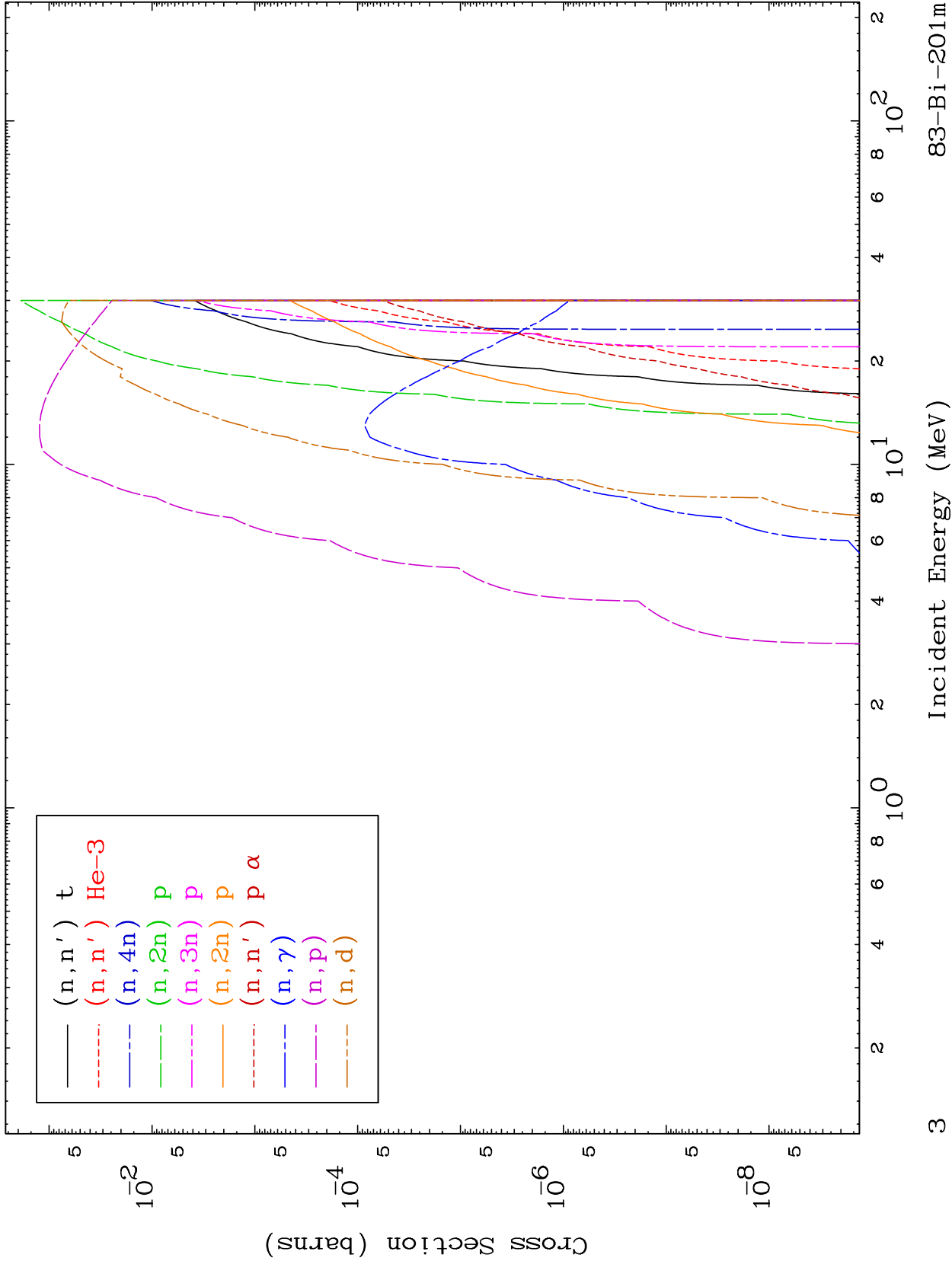


MAT 8302

Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-201m

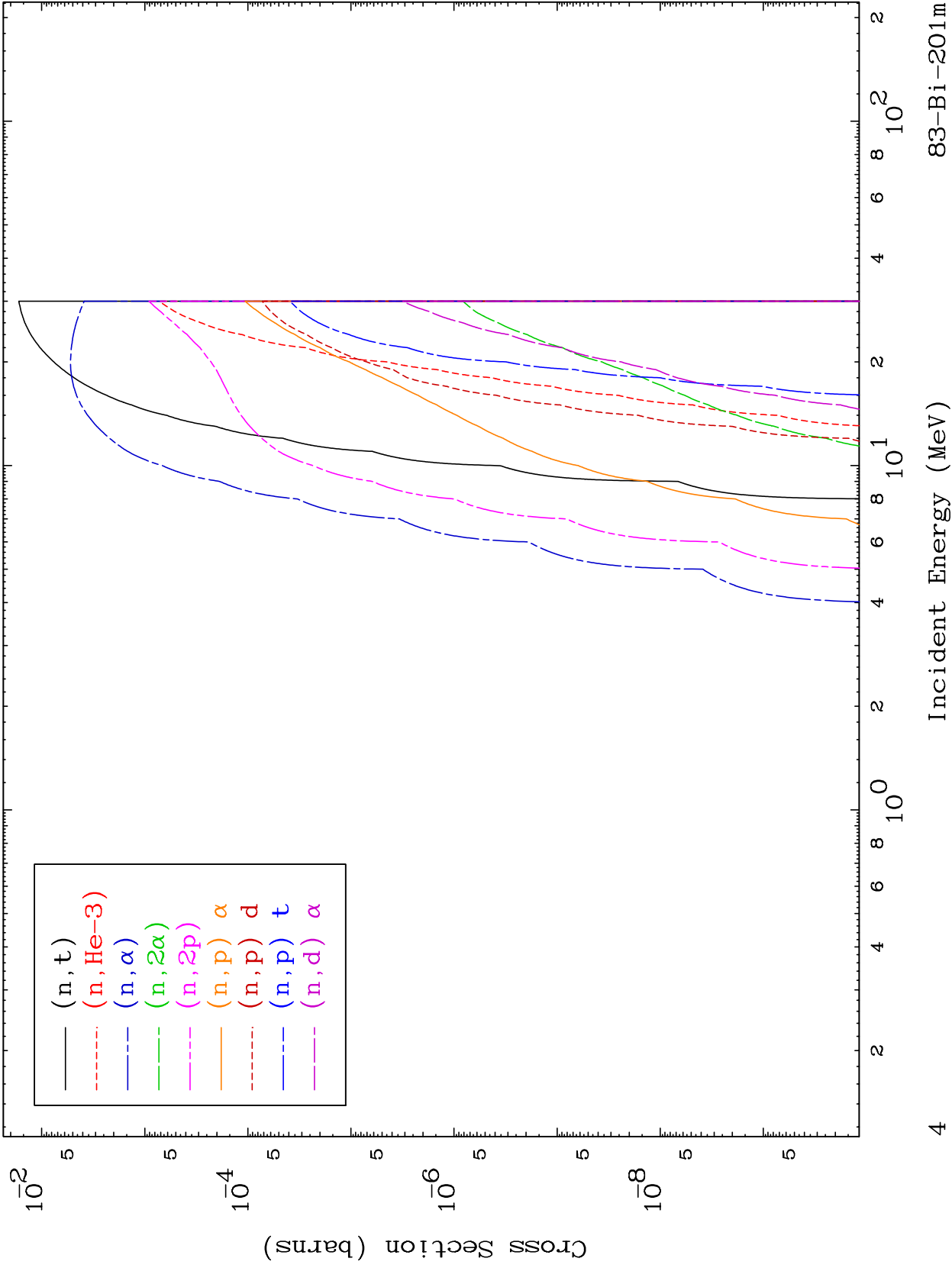


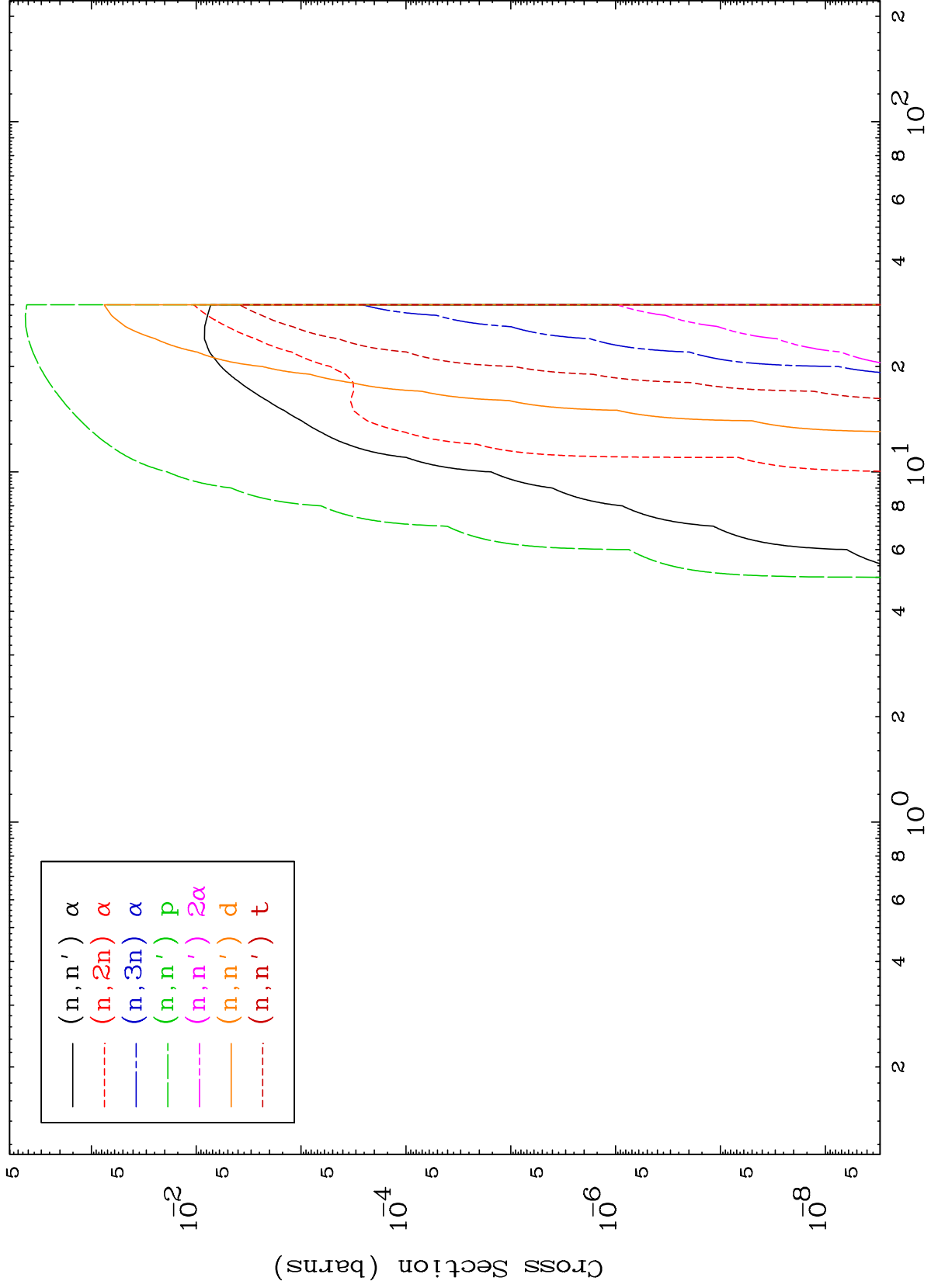


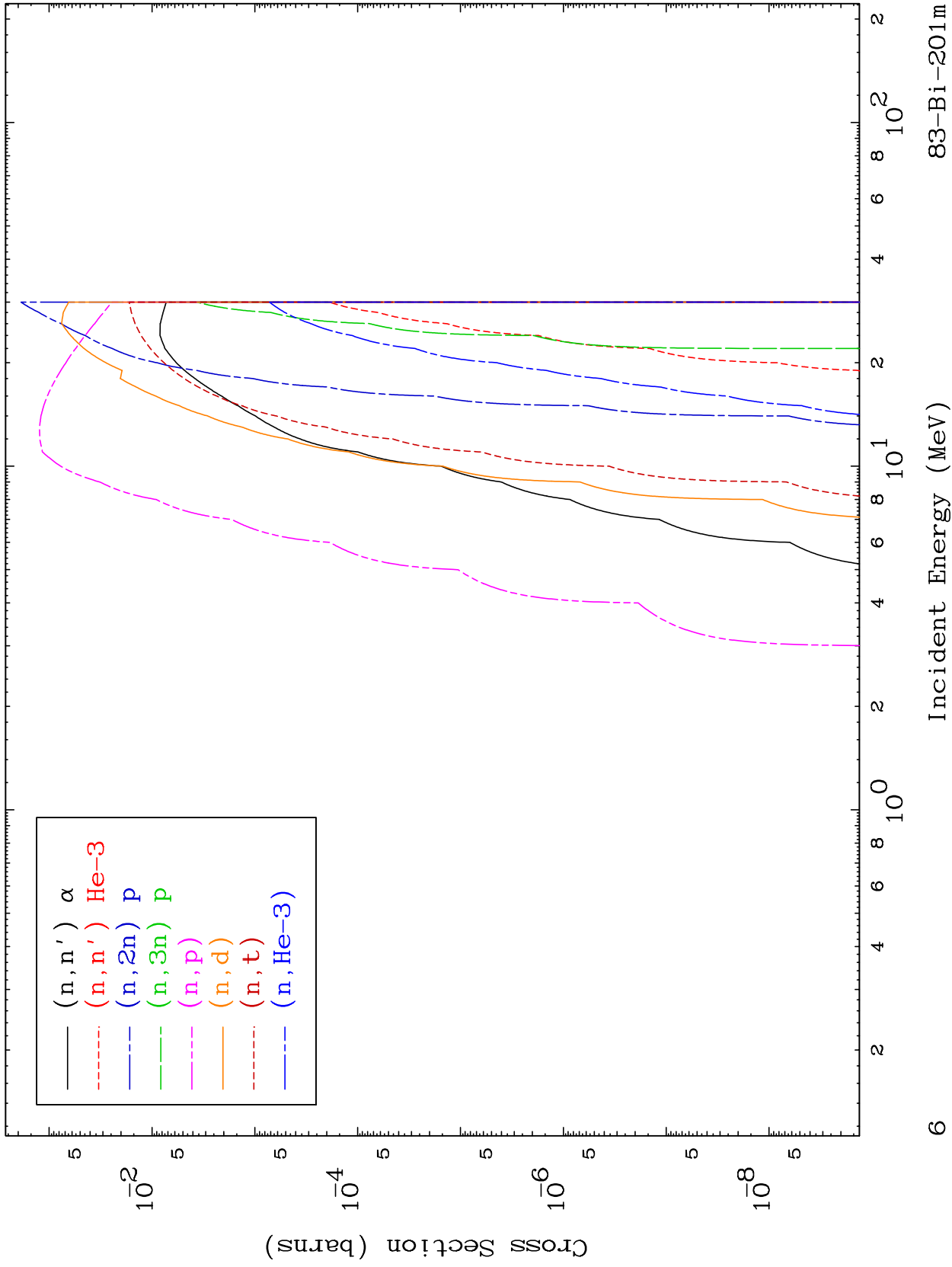
MAT 8302

Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-201m



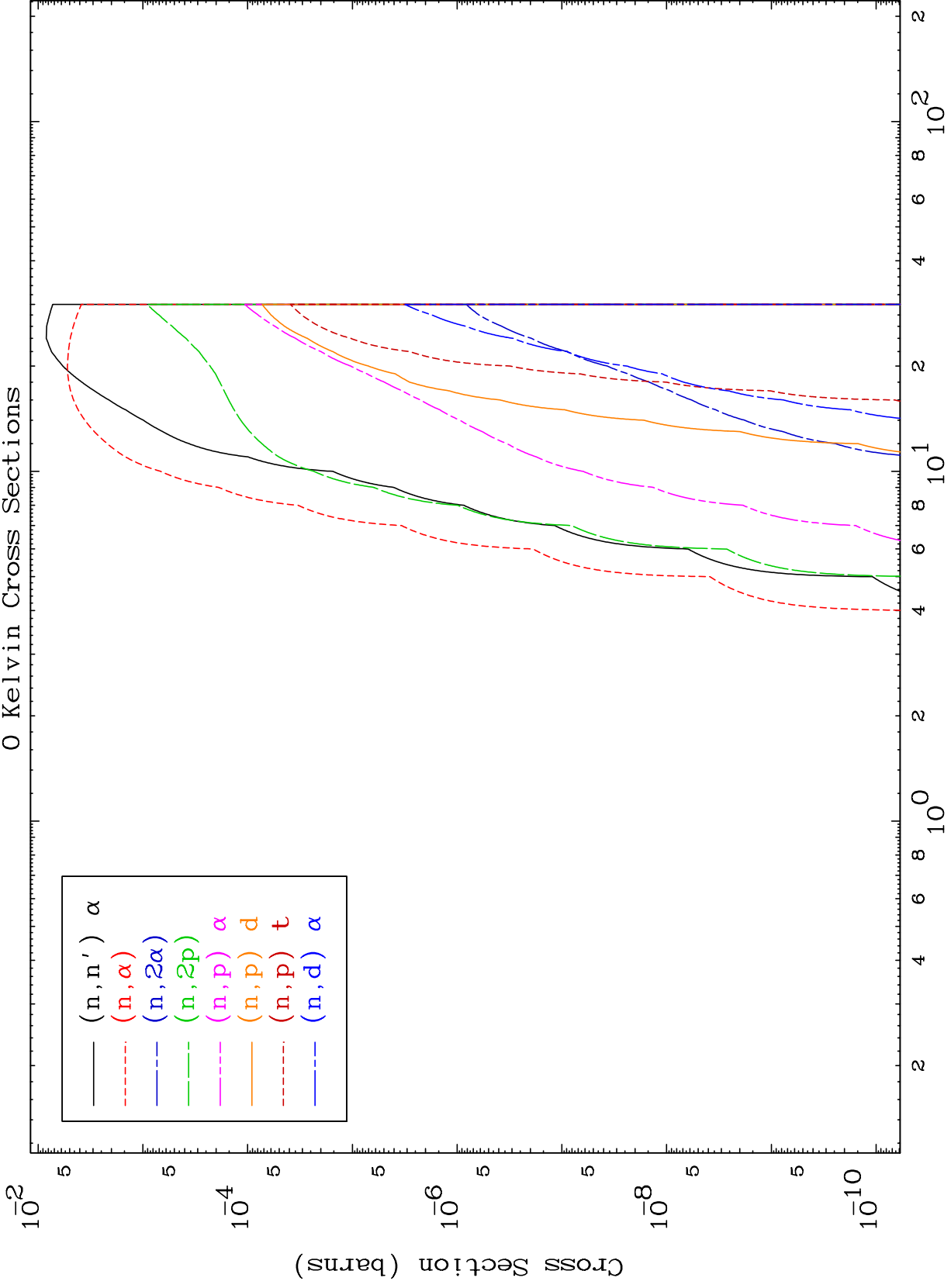




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Deuteron Charged Particle
0 Kelvin Cross Sections

83-Bi-201m

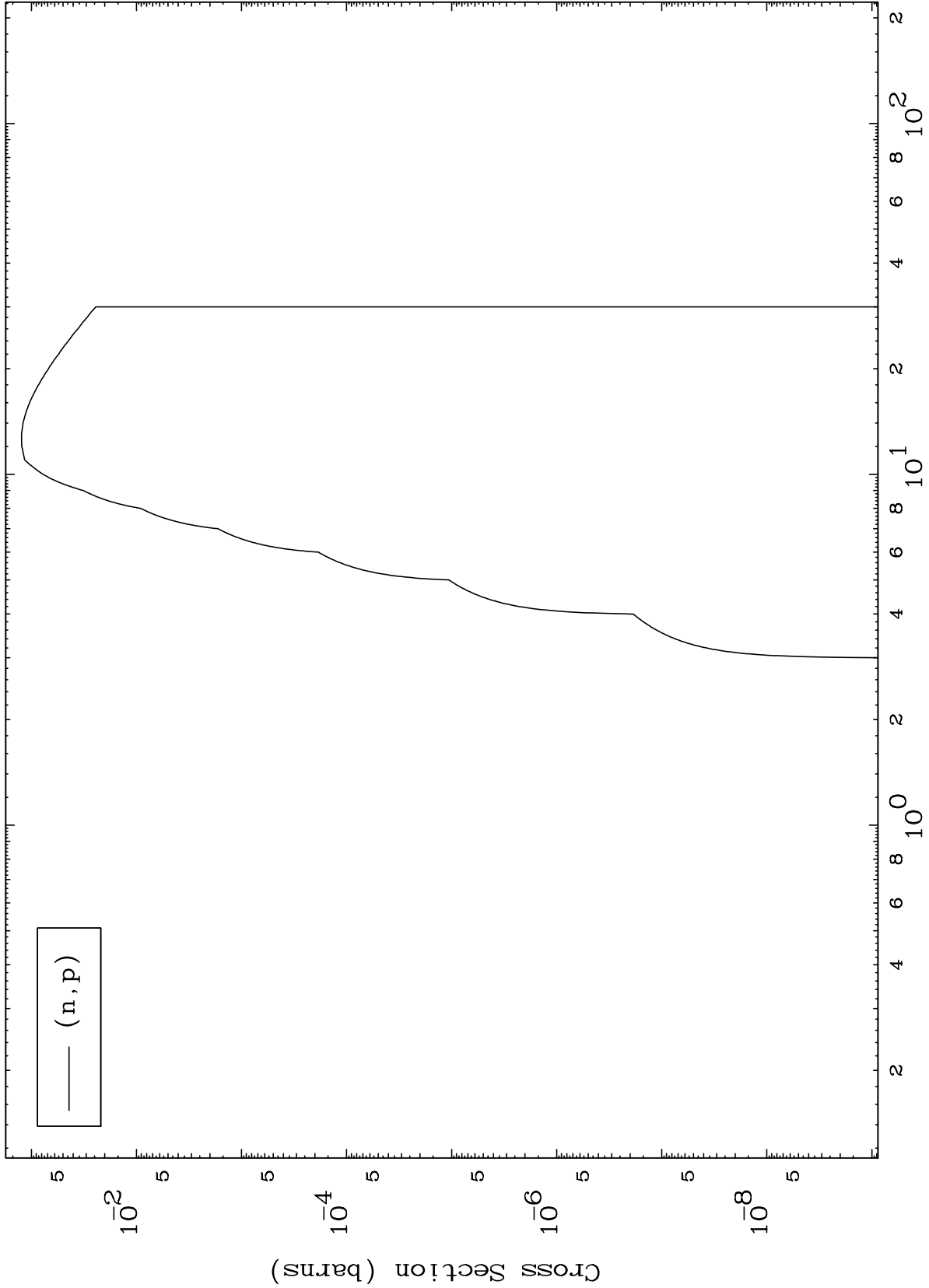


MAT 8302

(d,p) Levels

83-Bi-201m

0 Kelvin Cross Sections

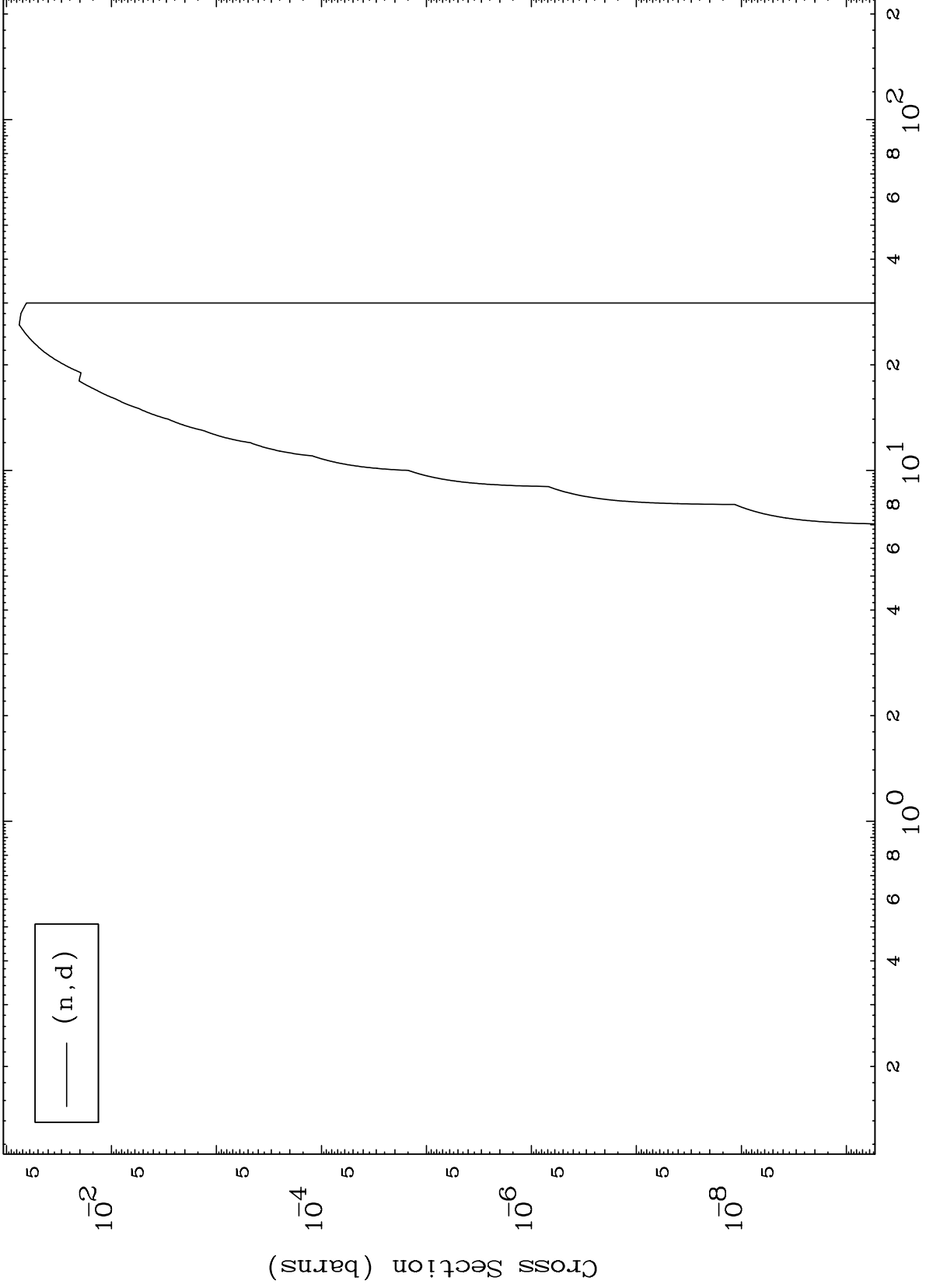


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(d,d) Levels

83-Bi-201m

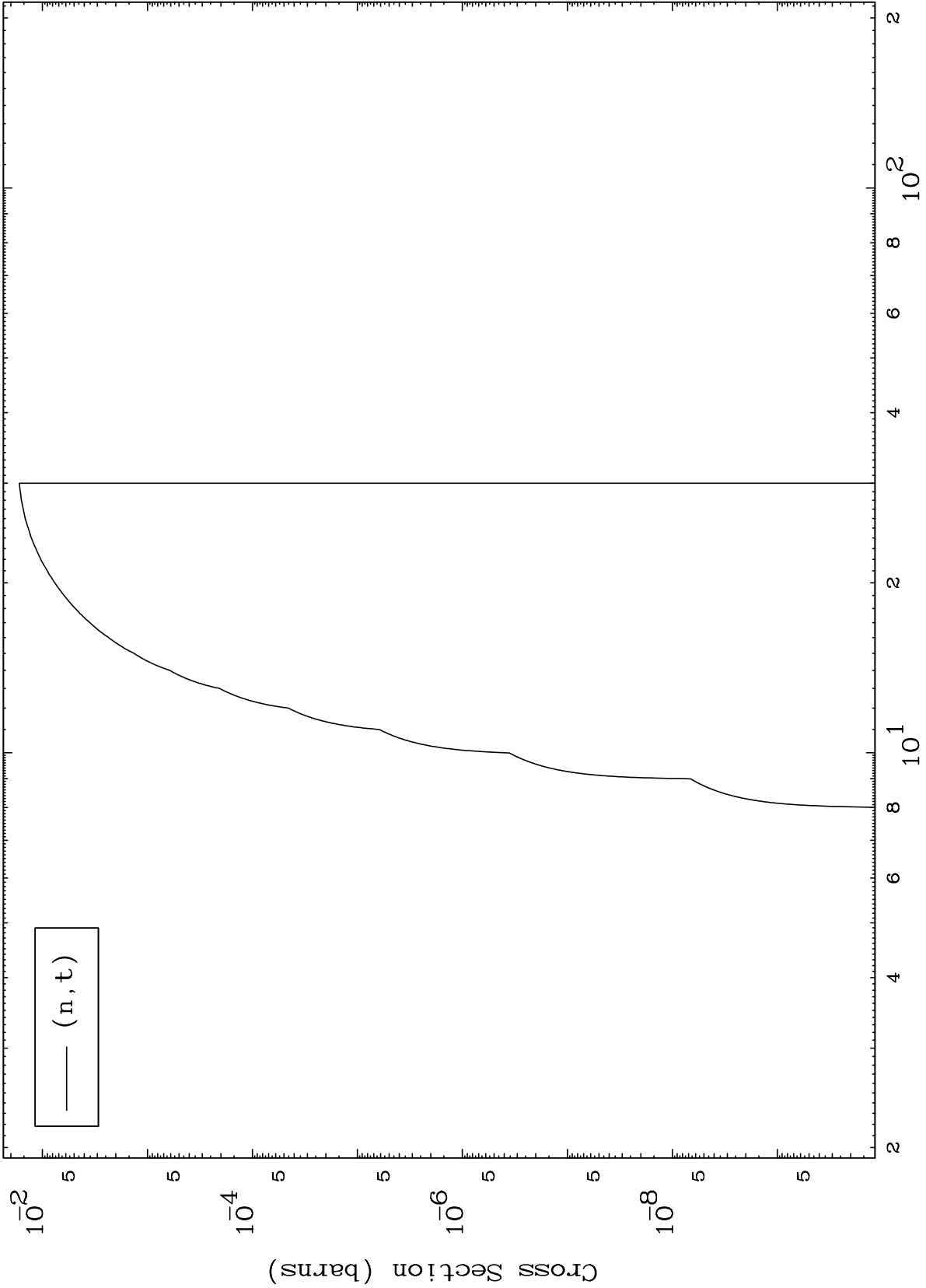
0 Kelvin Cross Sections



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(d,t) Levels
0 Kelvin Cross Sections

83-Bi-201m



10

Incident Energy (MeV)

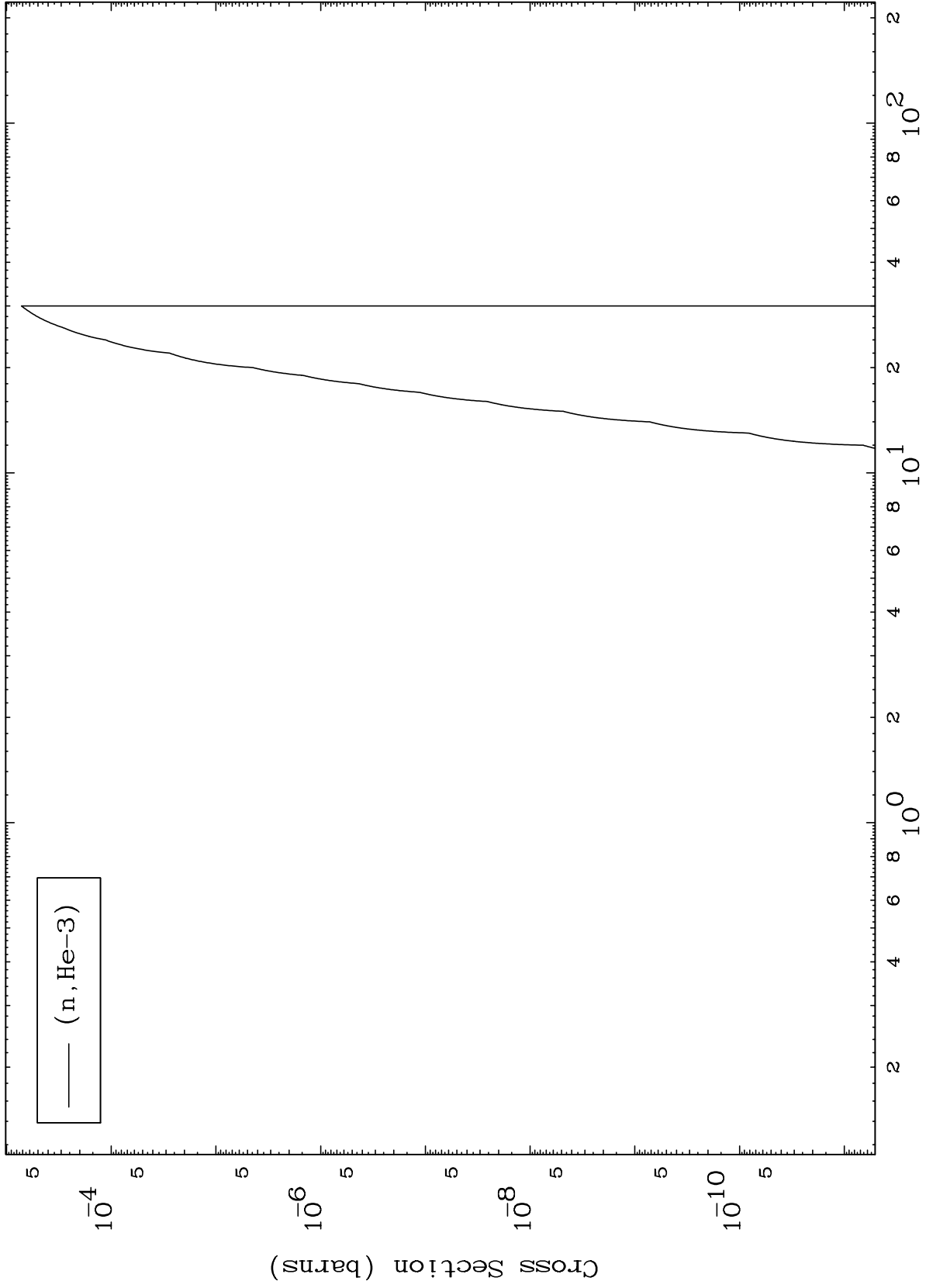
83-Bi-201m

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(d,He3) Levels

83-Bi-201m

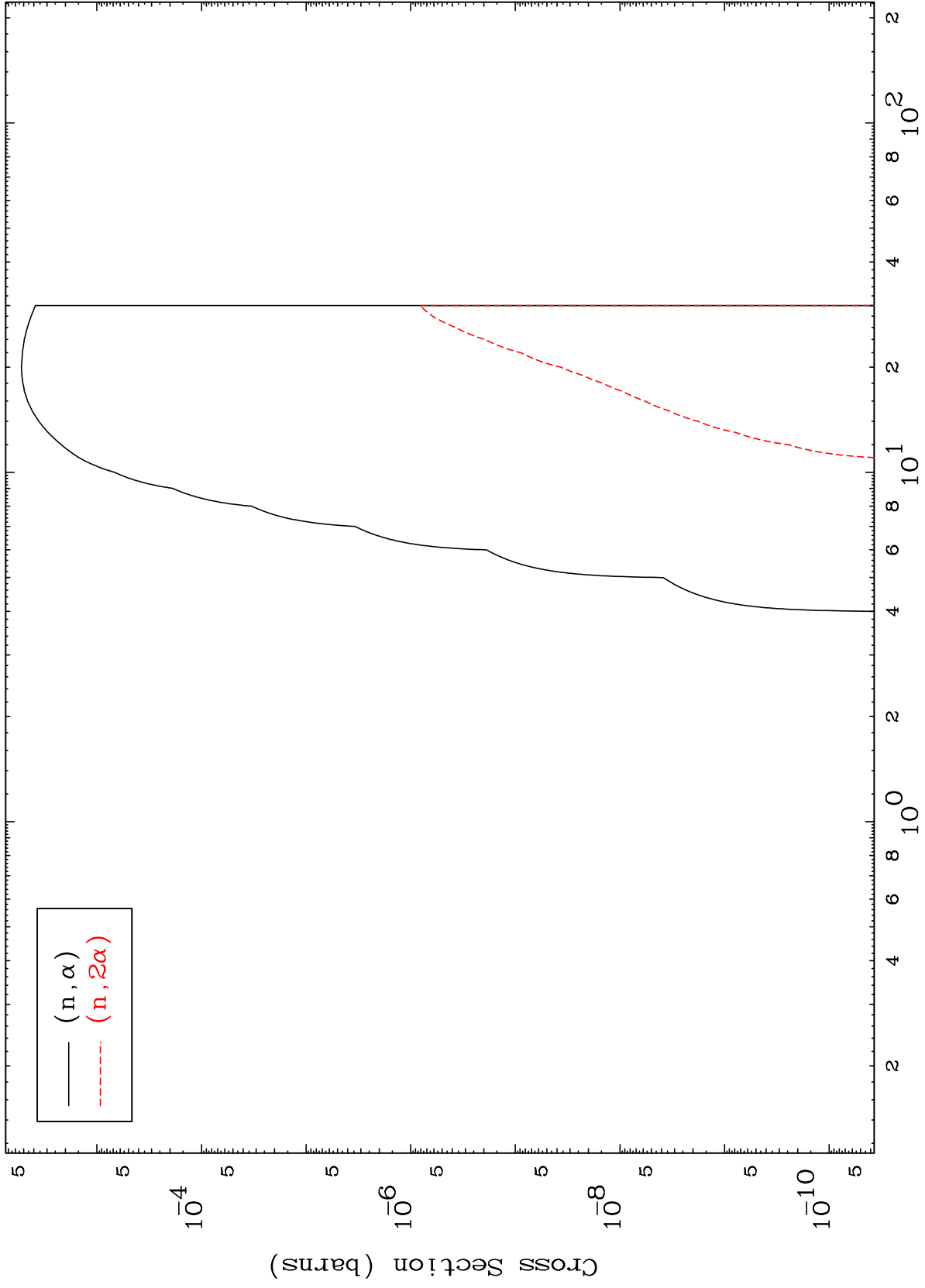
0 Kelvin Cross Sections



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(d, α) Levels
0 Kelvin Cross Sections

⁸³Bi-201m

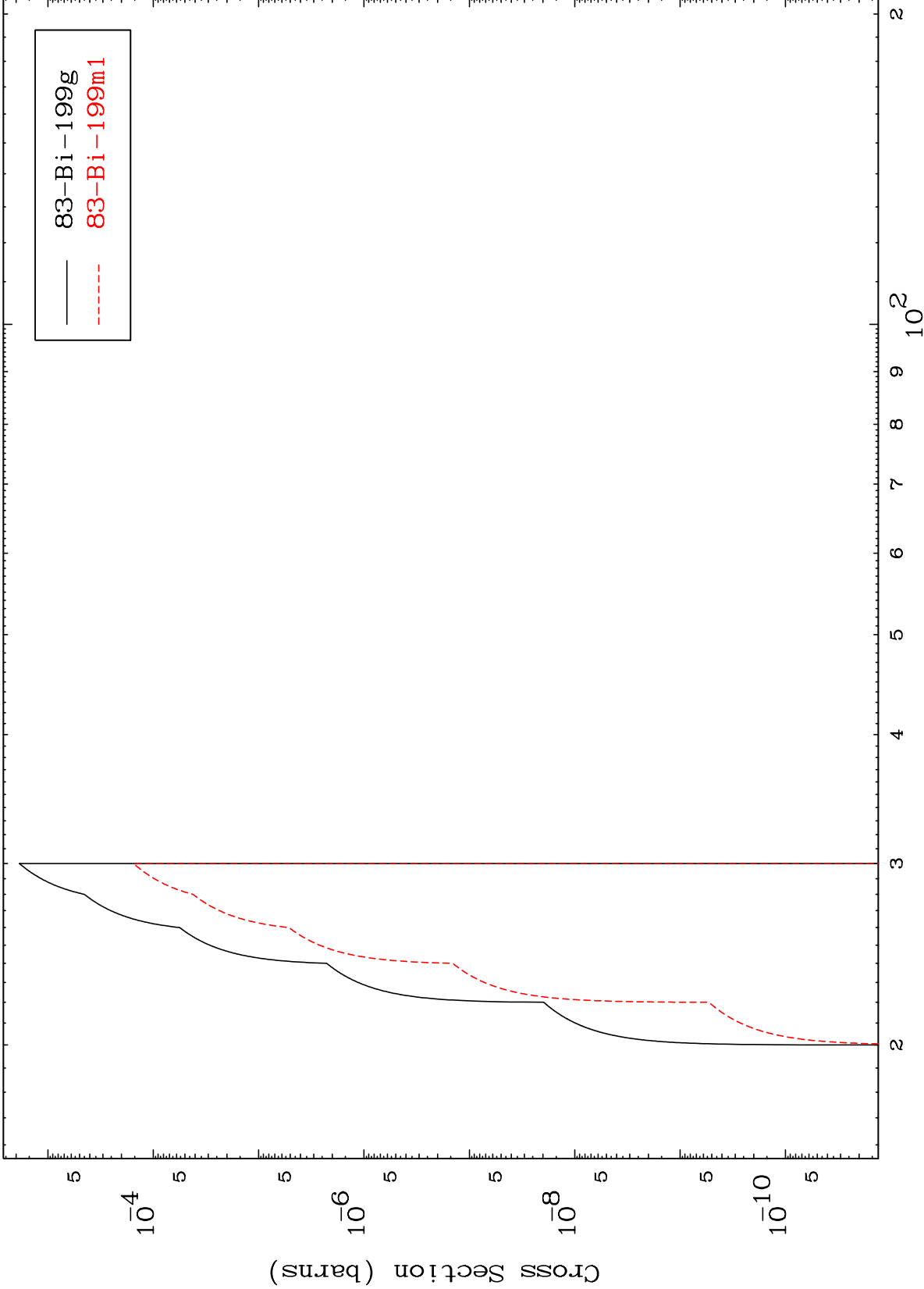


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(n,2n) d

83-Bi-201m

Radionuclide Production Cross Section



13

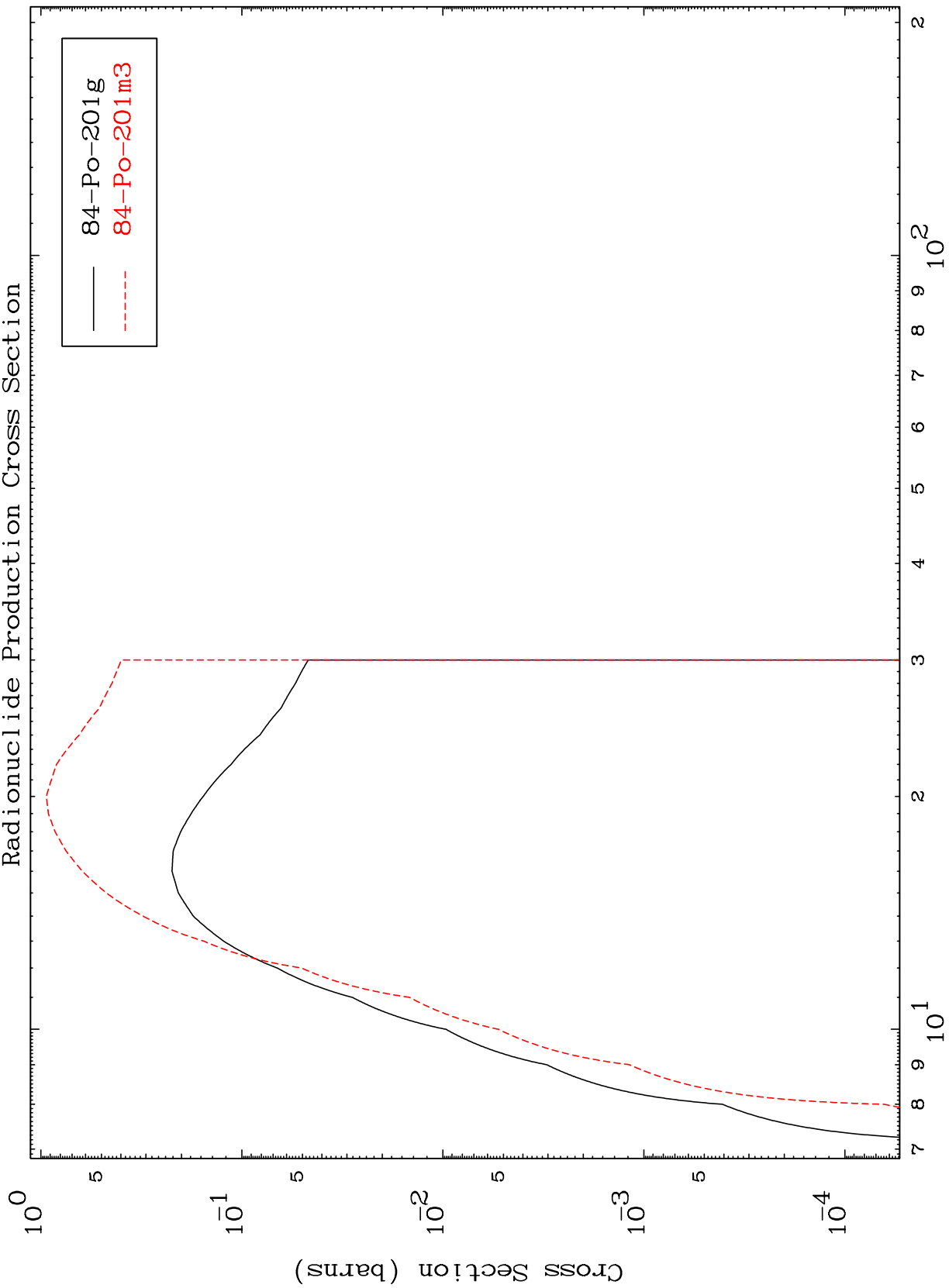
Incident Energy (MeV)

83-Bi-201m

MAT 8302

83-Bi-201m

(n,2n)
Radionuclide Production Cross Section



83-Bi-201m

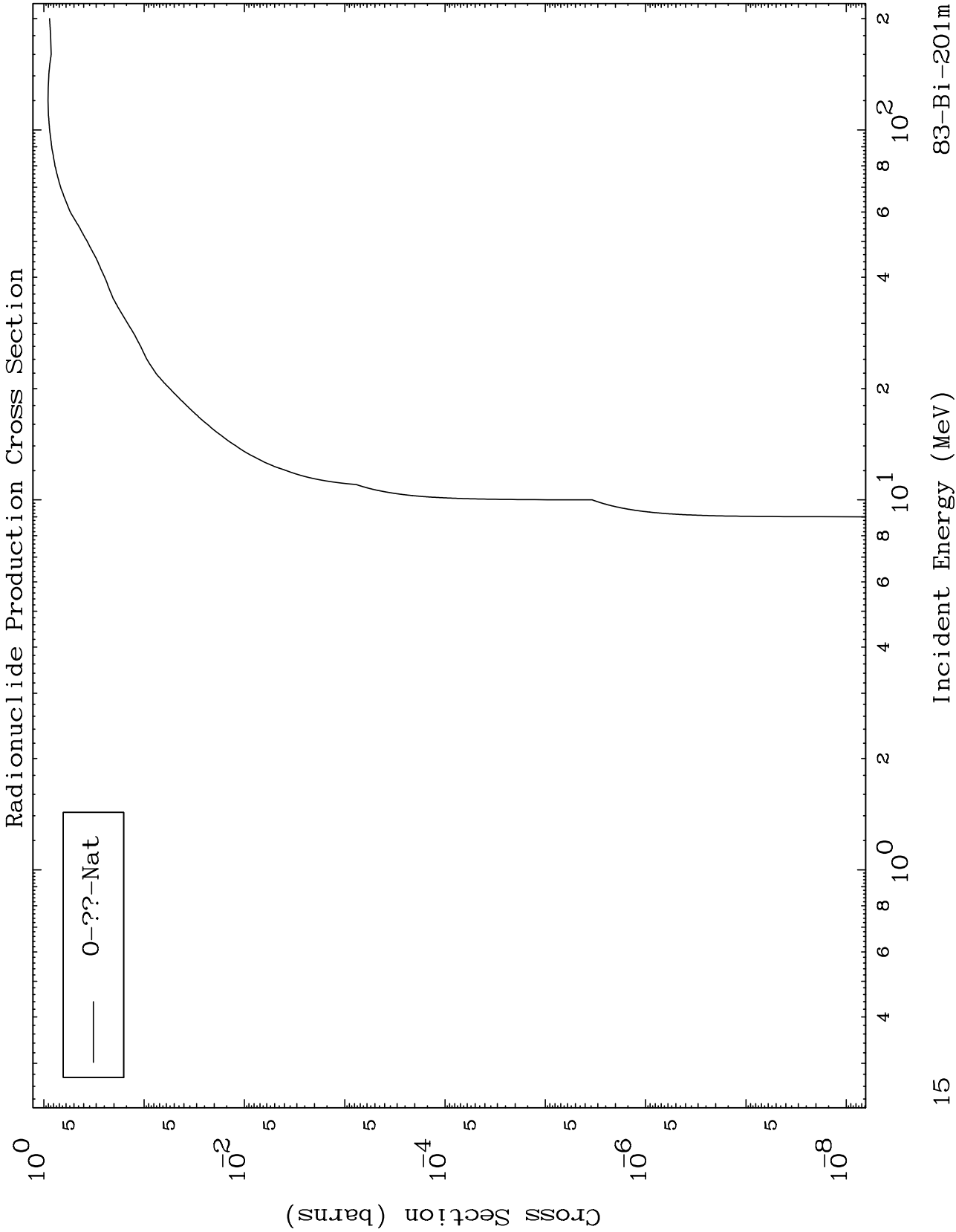
Incident Energy (MeV)

14

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Fission

⁸³Bi-201m

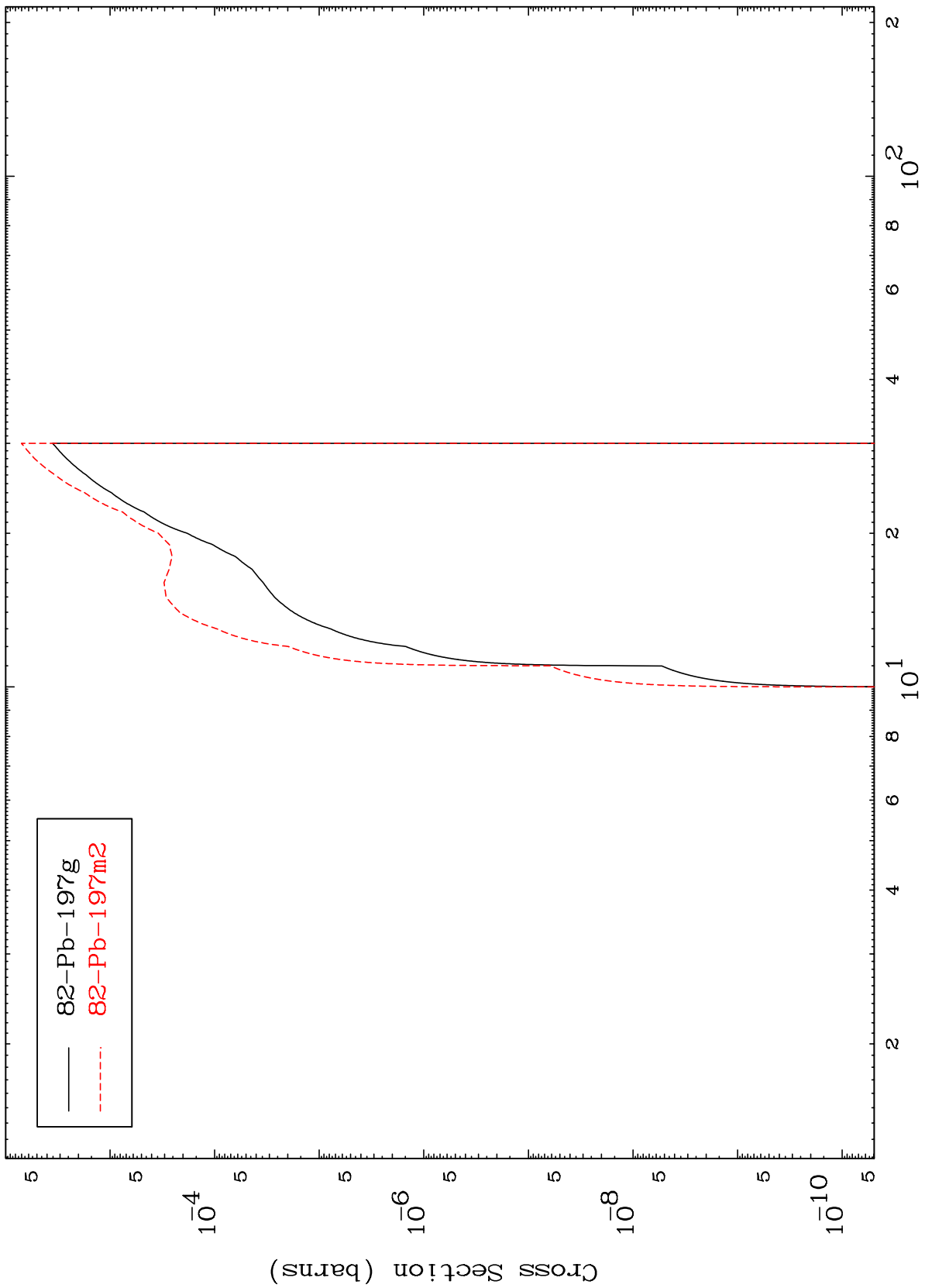


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$(n,2n) \alpha$

83-Bi-201m

Radionuclide Production Cross Section

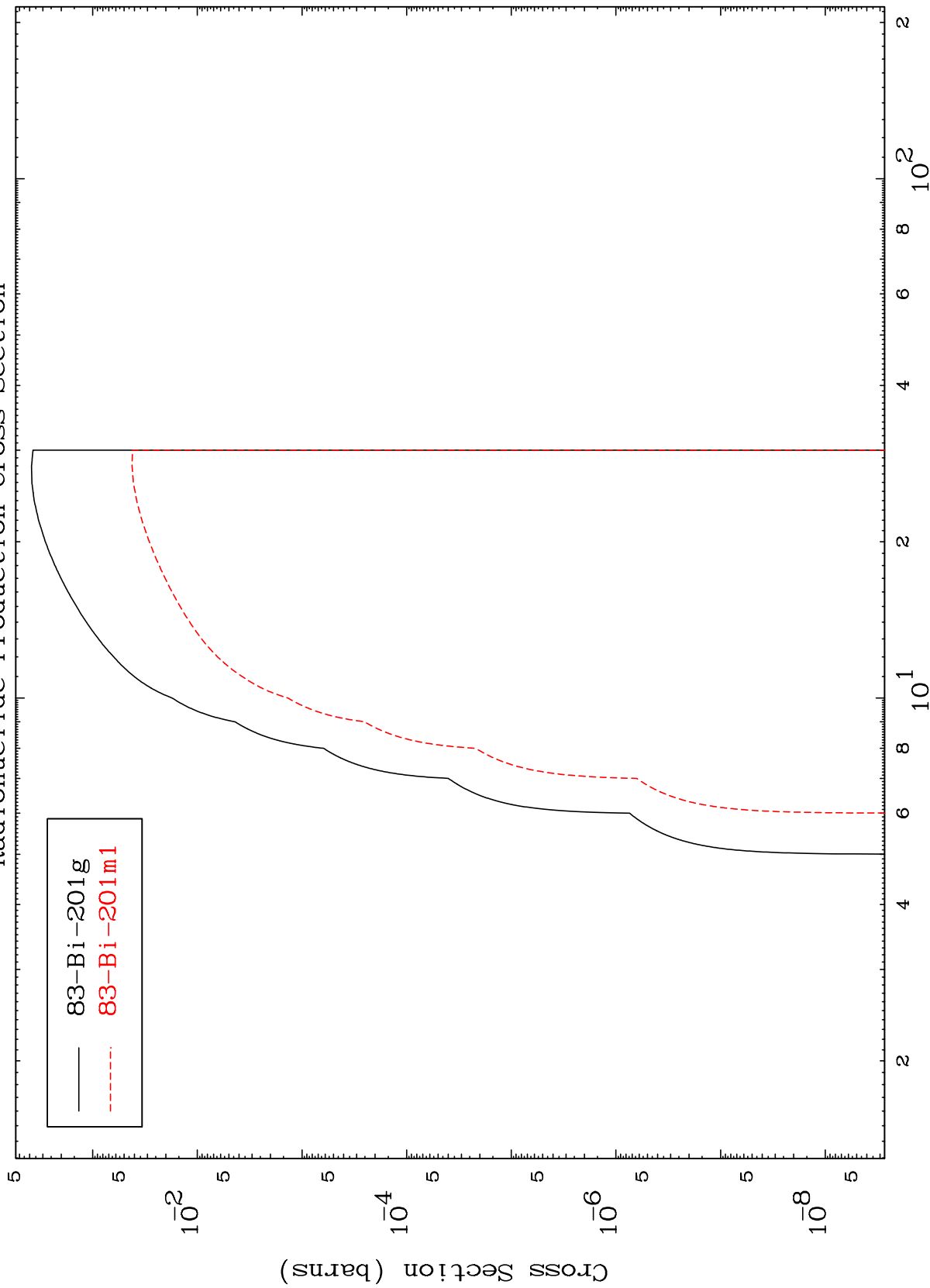


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(n,n') p

83-Bi-201m

Radionuclide Production Cross Section

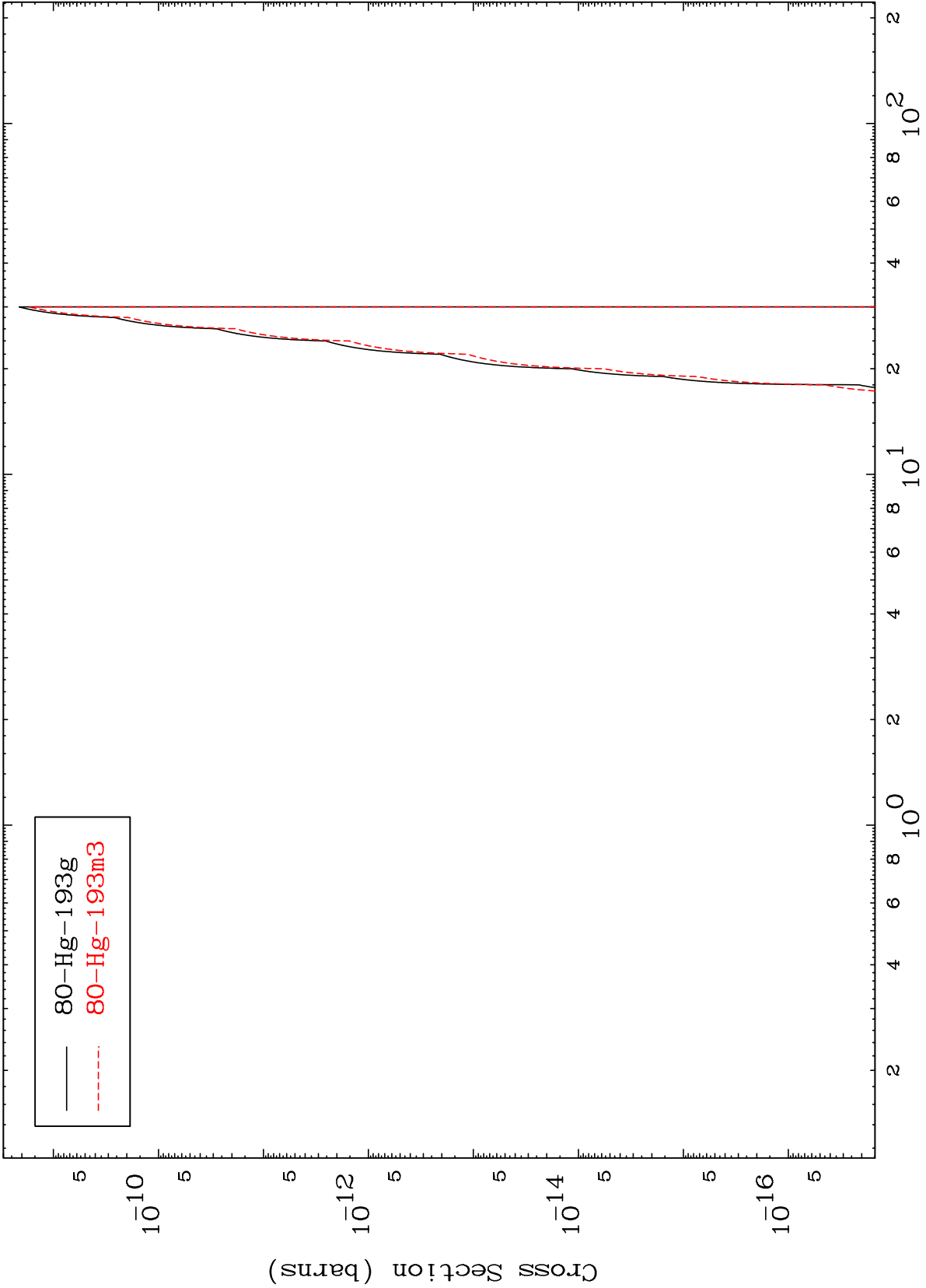


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(n,2n) 2 α

83-Bi-201m

Radionuclide Production Cross Section



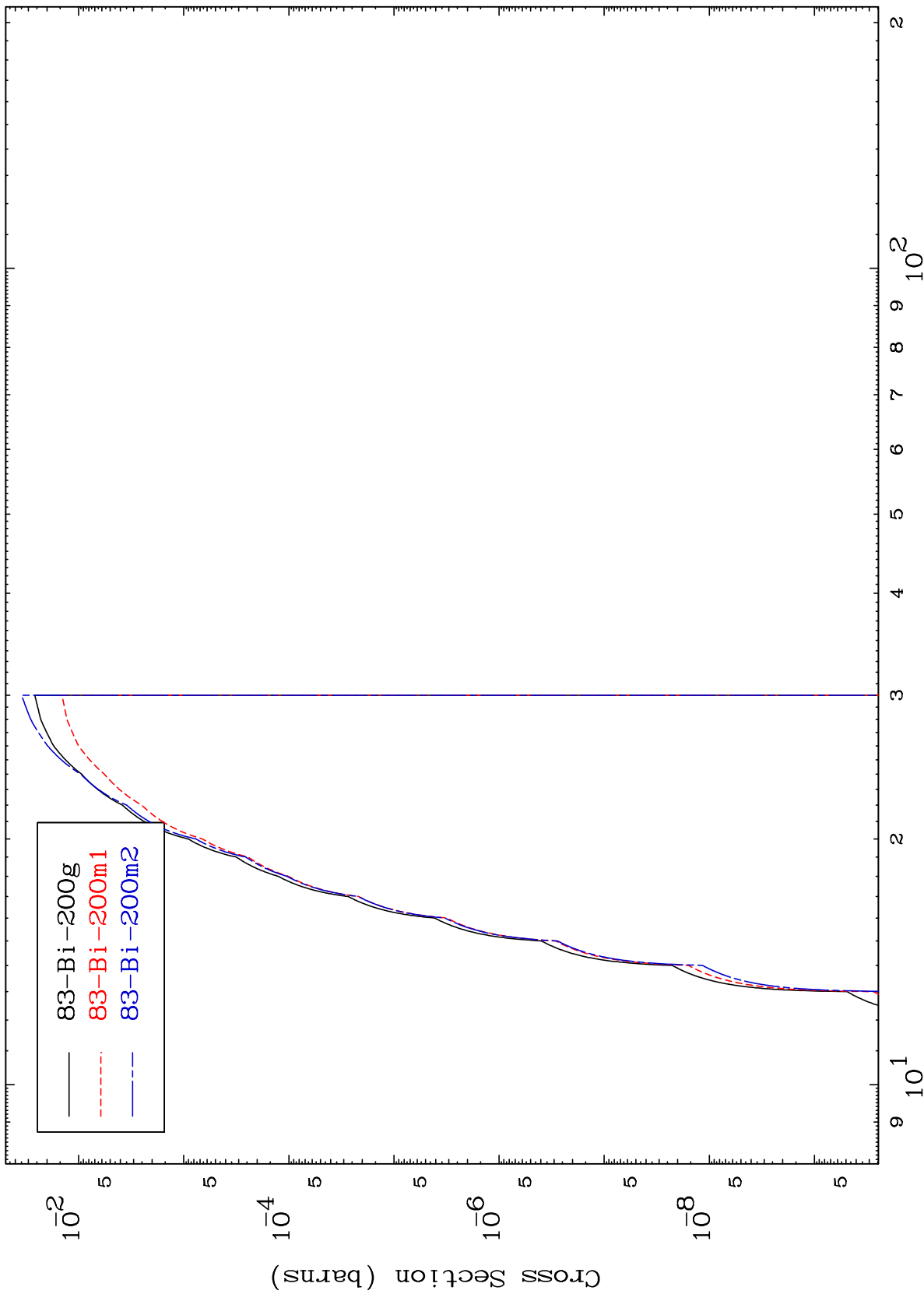
80-Hg-193g
80-Hg-193m3

MAT 8302

(n,n') d

83-Bi-201m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

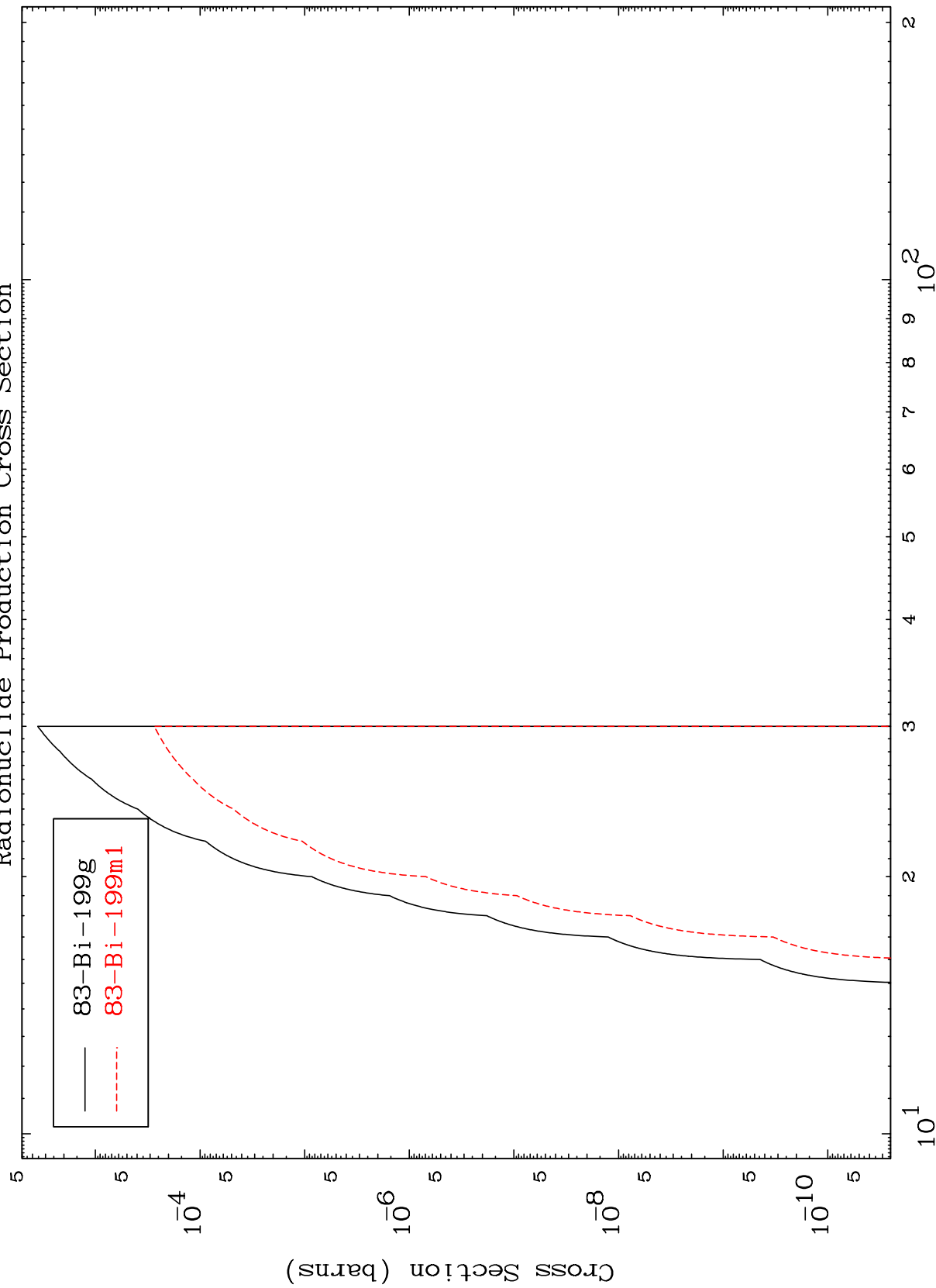
83-Bi-201m

MAT 8302

(n,n') t

83-Bi-201m

Radionuclide Production Cross Section



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

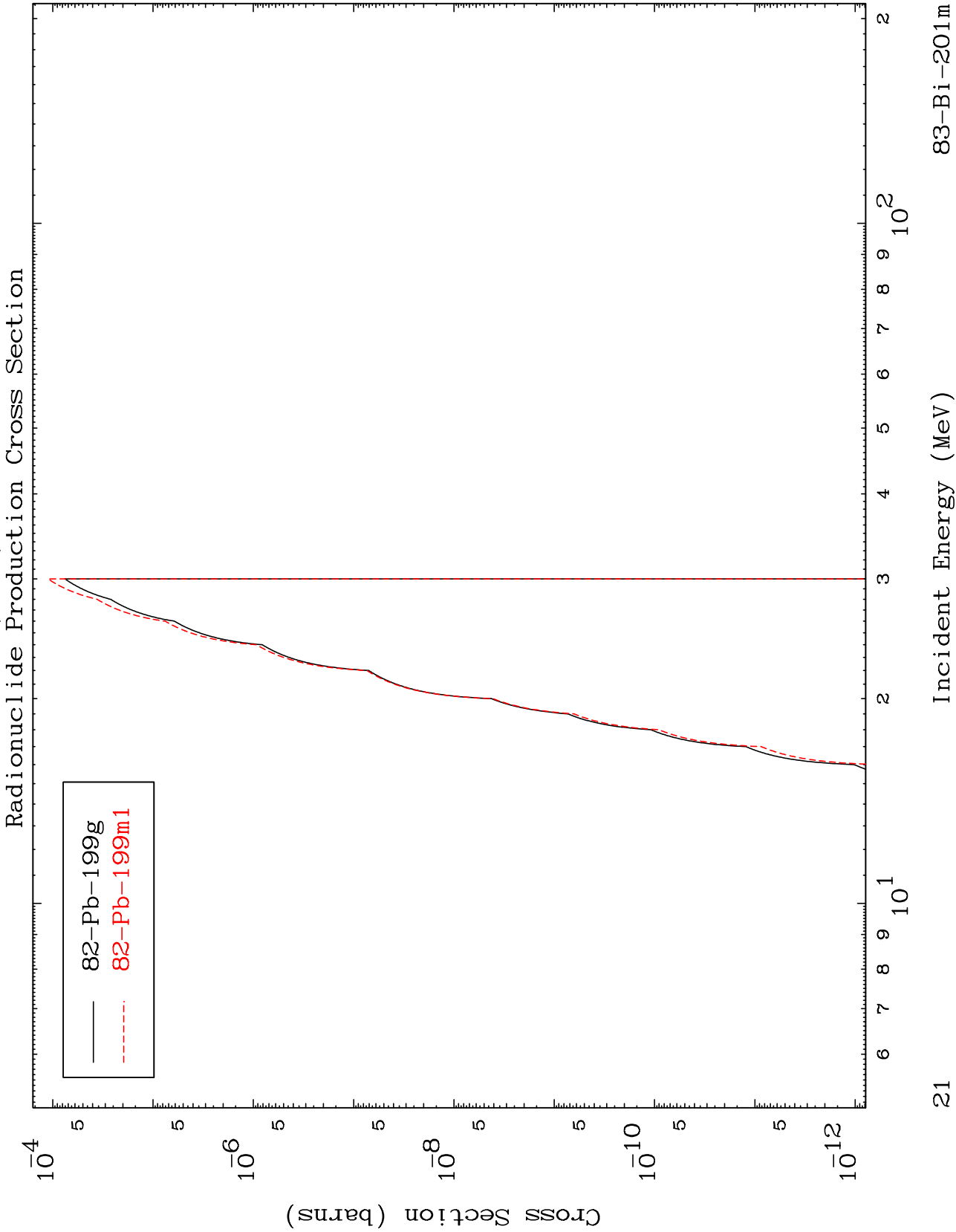
Incident Energy (MeV)

83-Bi-201m

MAT 8302

(n,n') He-3

83-Bi-201m

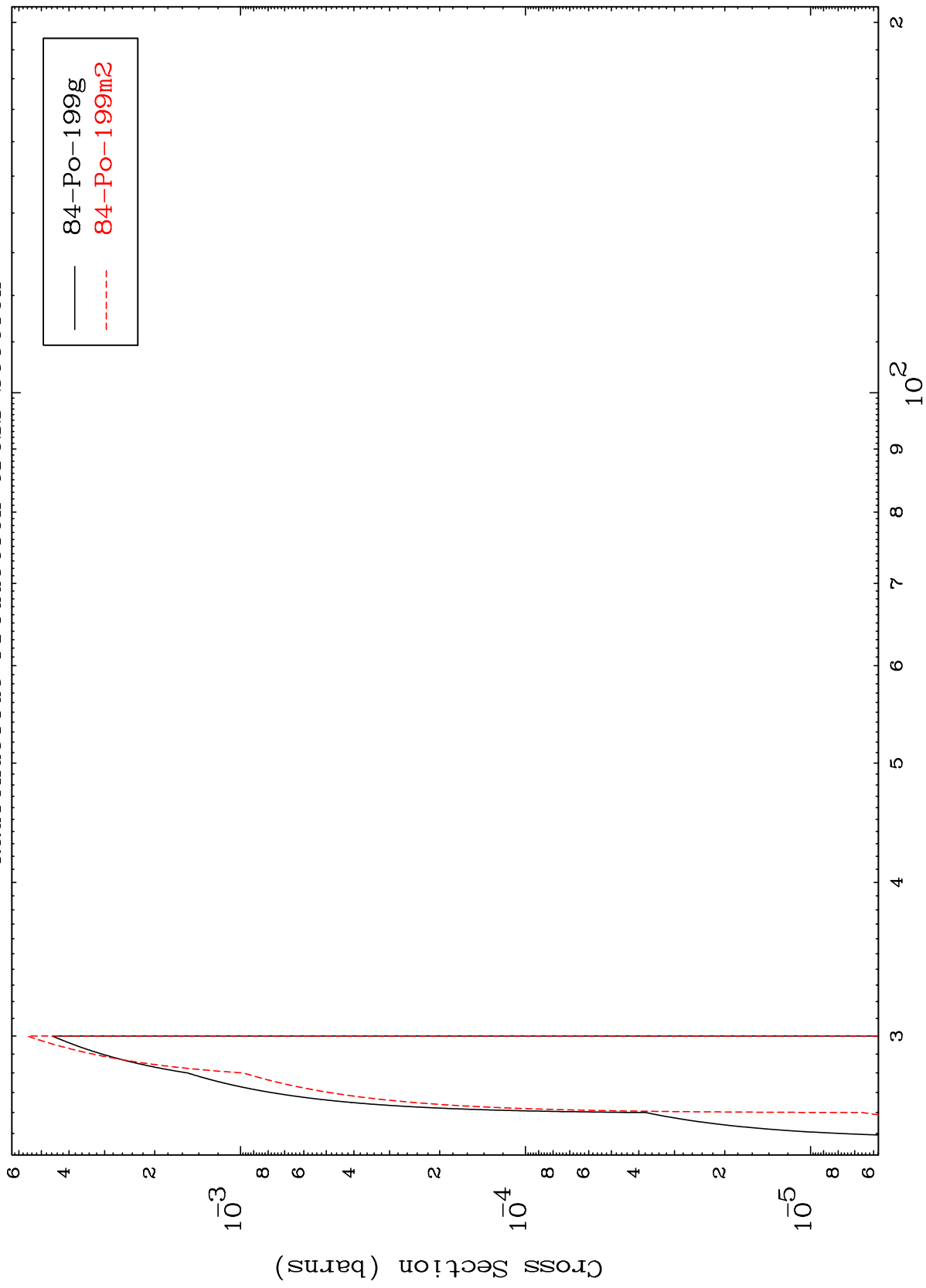


82-Pb-199g
82-Pb-199m1

MAT 8302

83-Bi-201m

(n,4n)
Radionuclide Production Cross Section



22

83-Bi-201m

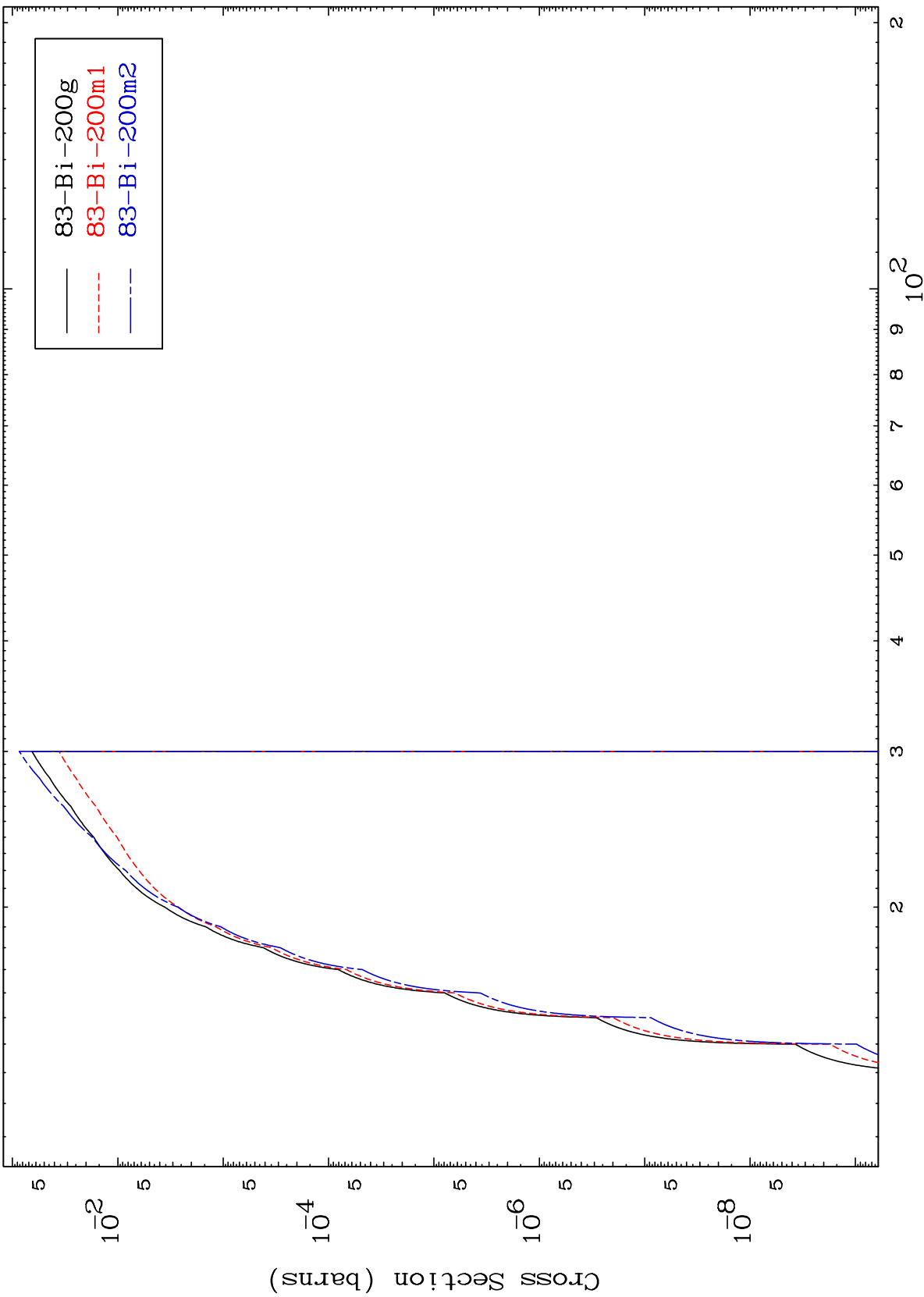
Incident Energy (MeV)

MAT 8302

$(n,2n)$ p

$^{83}\text{Bi}-201\text{m}$

Radionuclide Production Cross Section



23

Incident Energy (MeV)

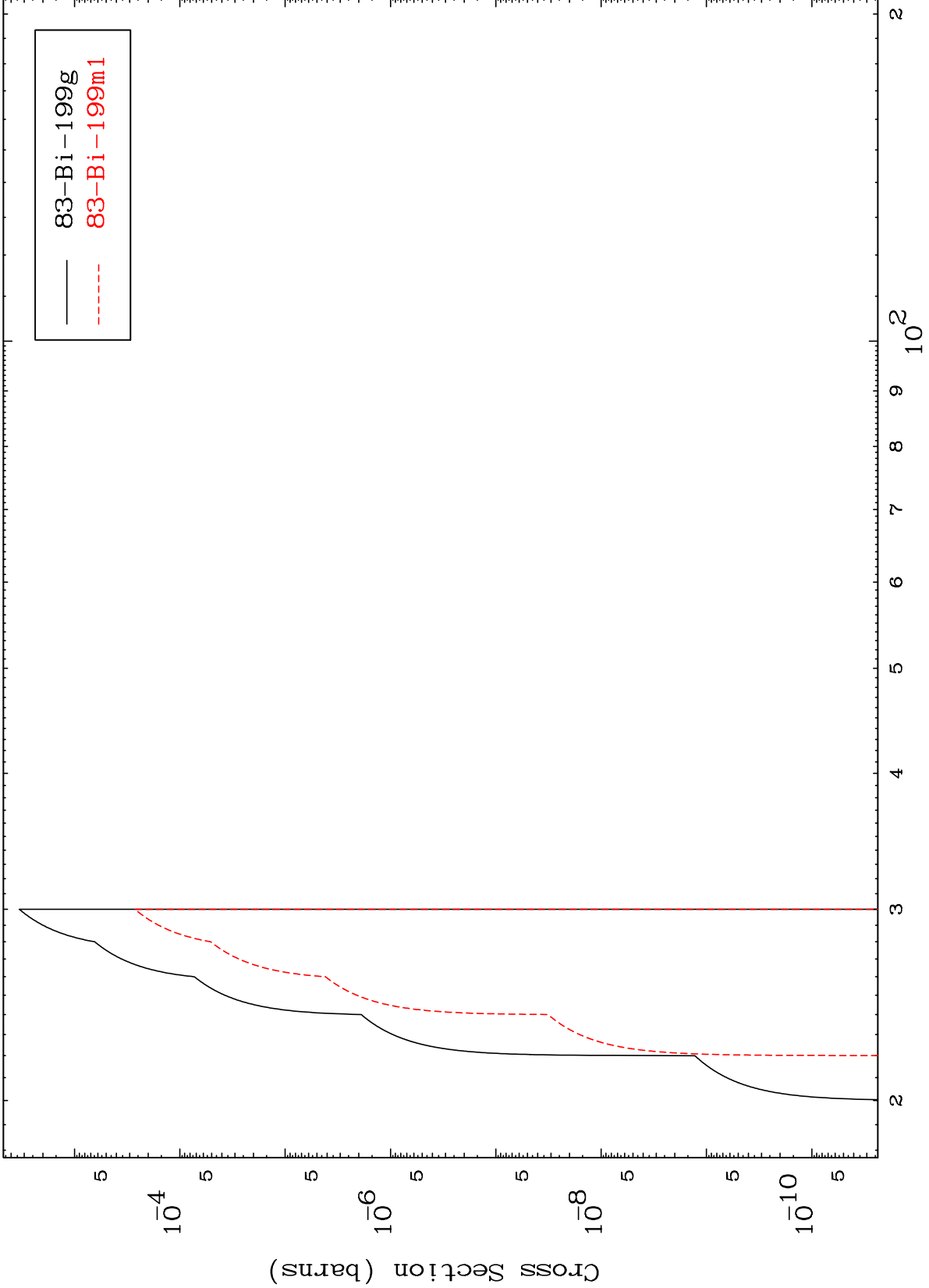
$^{83}\text{Bi}-201\text{m}$

MAT 8302

$(n,3n)$ p

$^{83}\text{Bi}-201\text{m}$

Radionuclide Production Cross Section



24

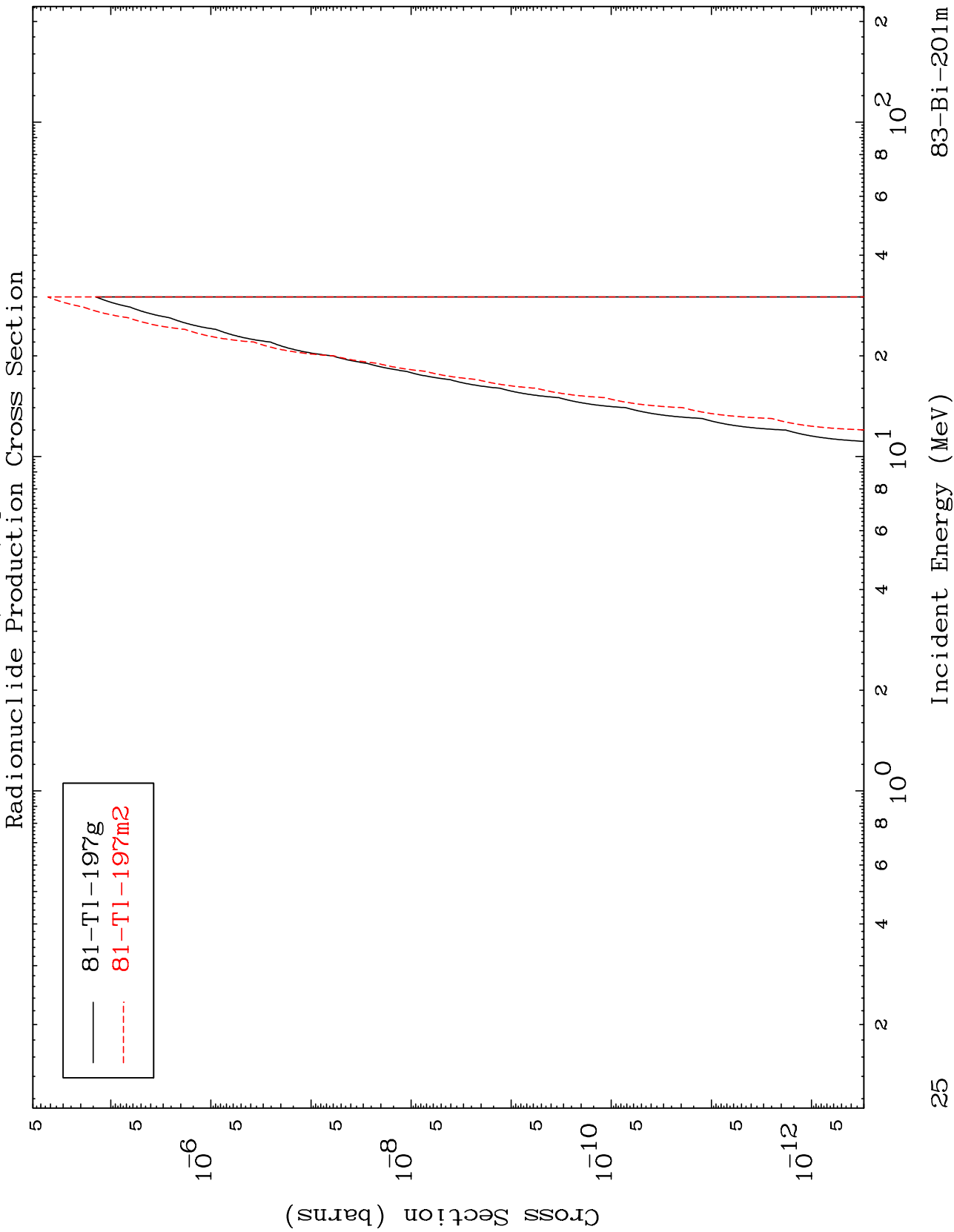
Incident Energy (MeV)

$^{83}\text{Bi}-201\text{m}$

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(n,n') p α

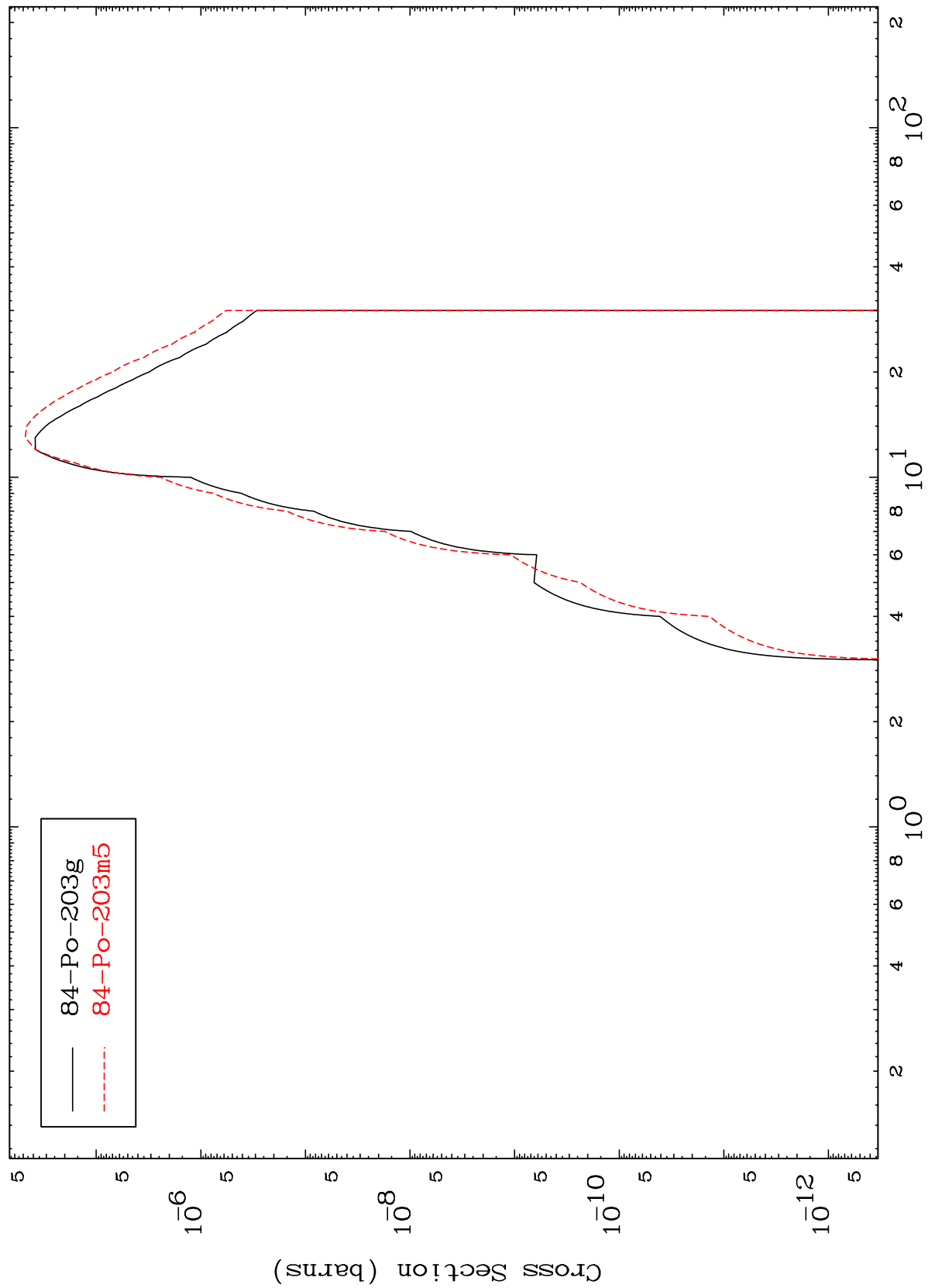
83-Bi-201m



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83-Bi-201m

(n, γ)
Radionuclide Production Cross Section



83-Bi-201m

Incident Energy (MeV)

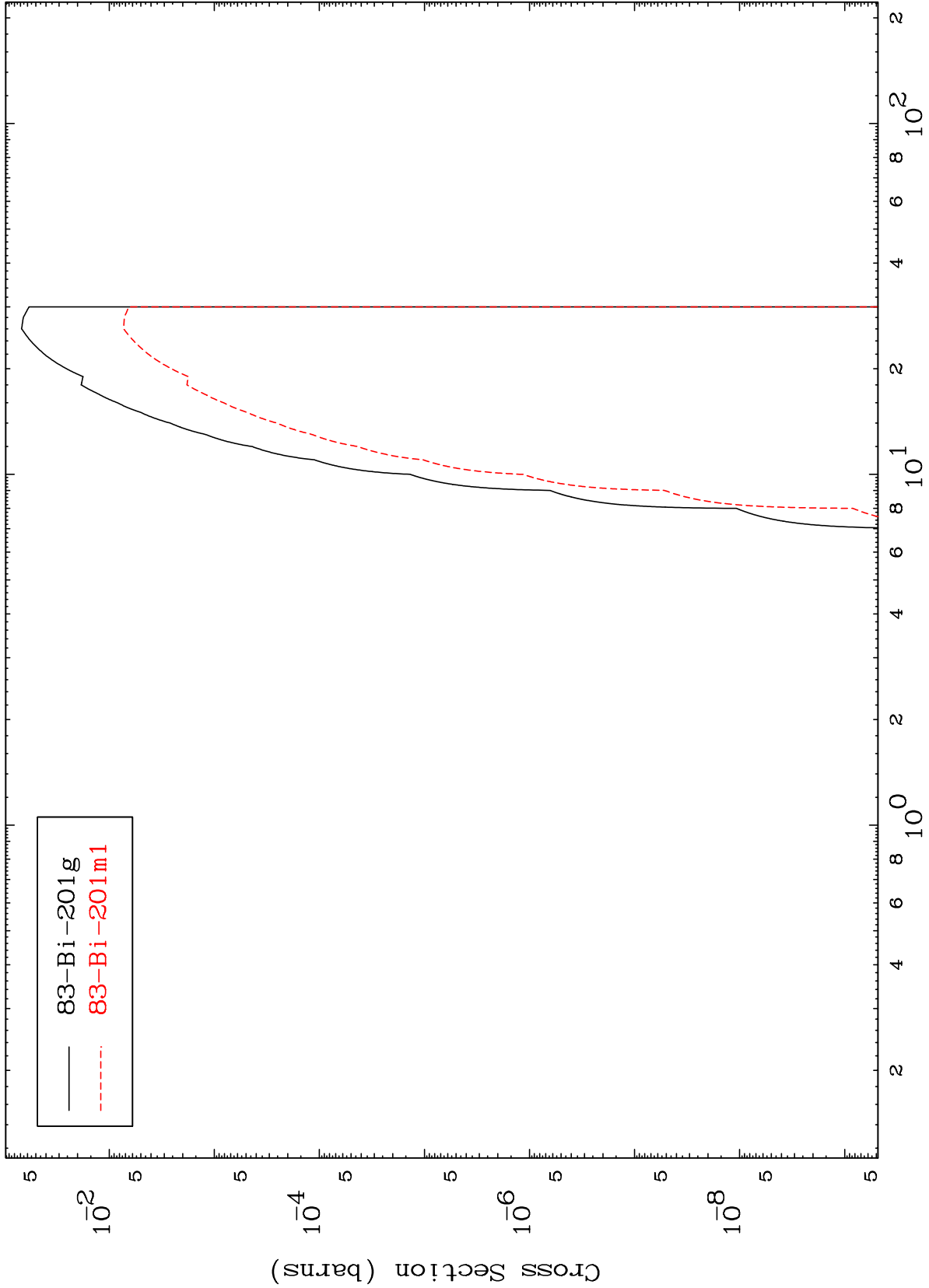
26

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(n,d)

⁸³Bi-201m

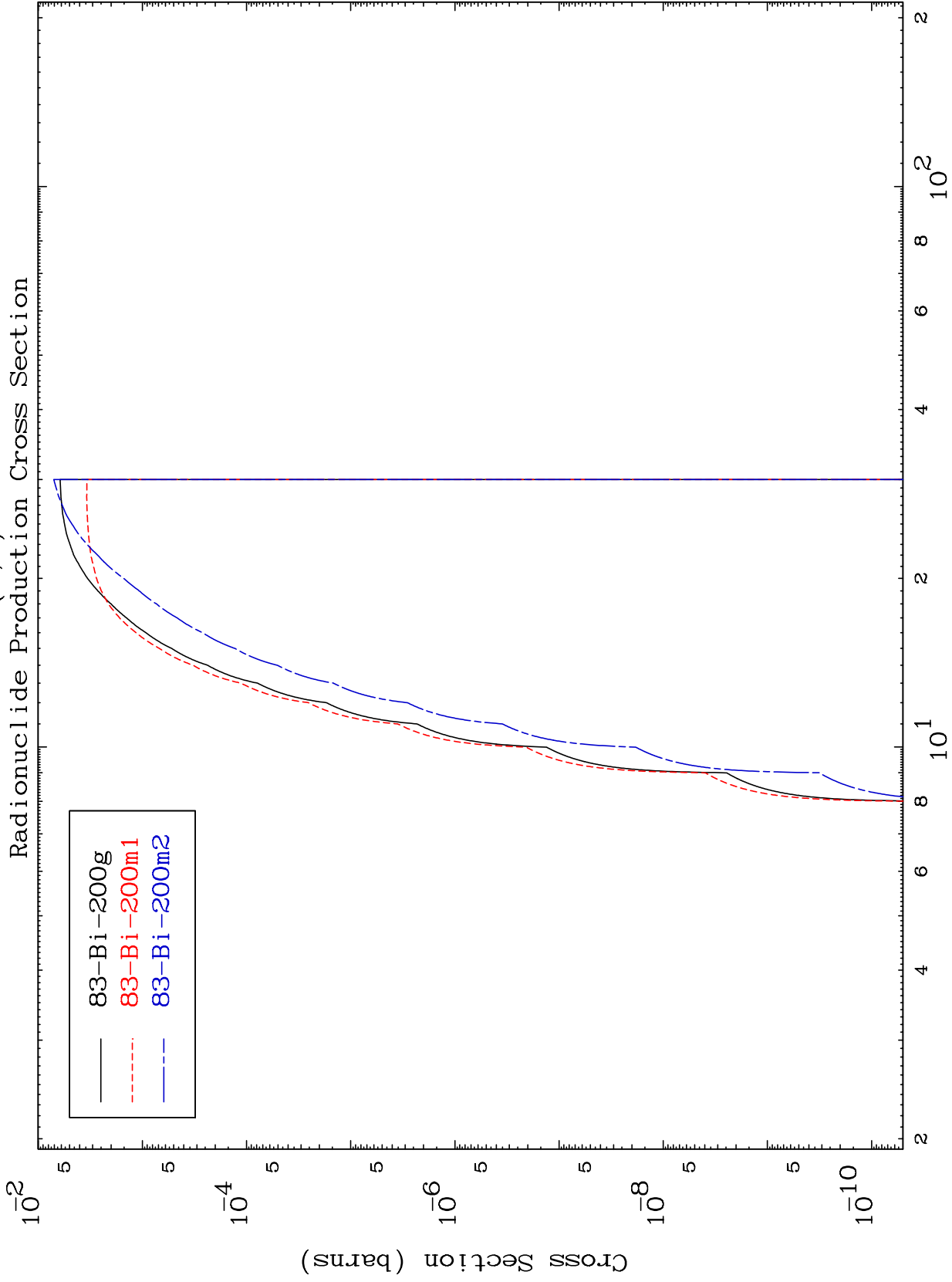
Radionuclide Production Cross Section



MAT 8302

⁸³Bi-201m

(n, t)
Radionuclide Production Cross Section



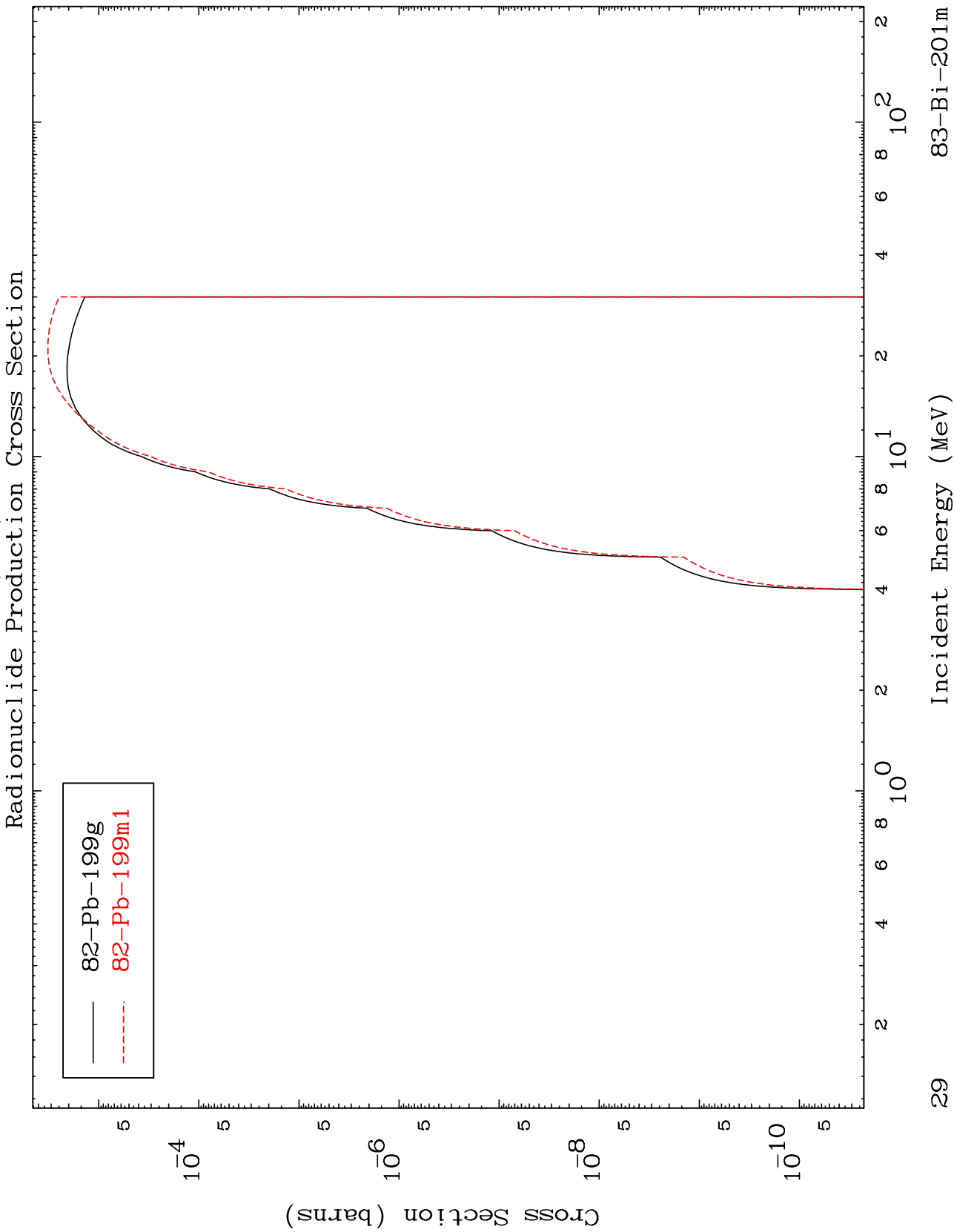
⁸³Bi-201m

Incident Energy (MeV)

28

MAT 8302

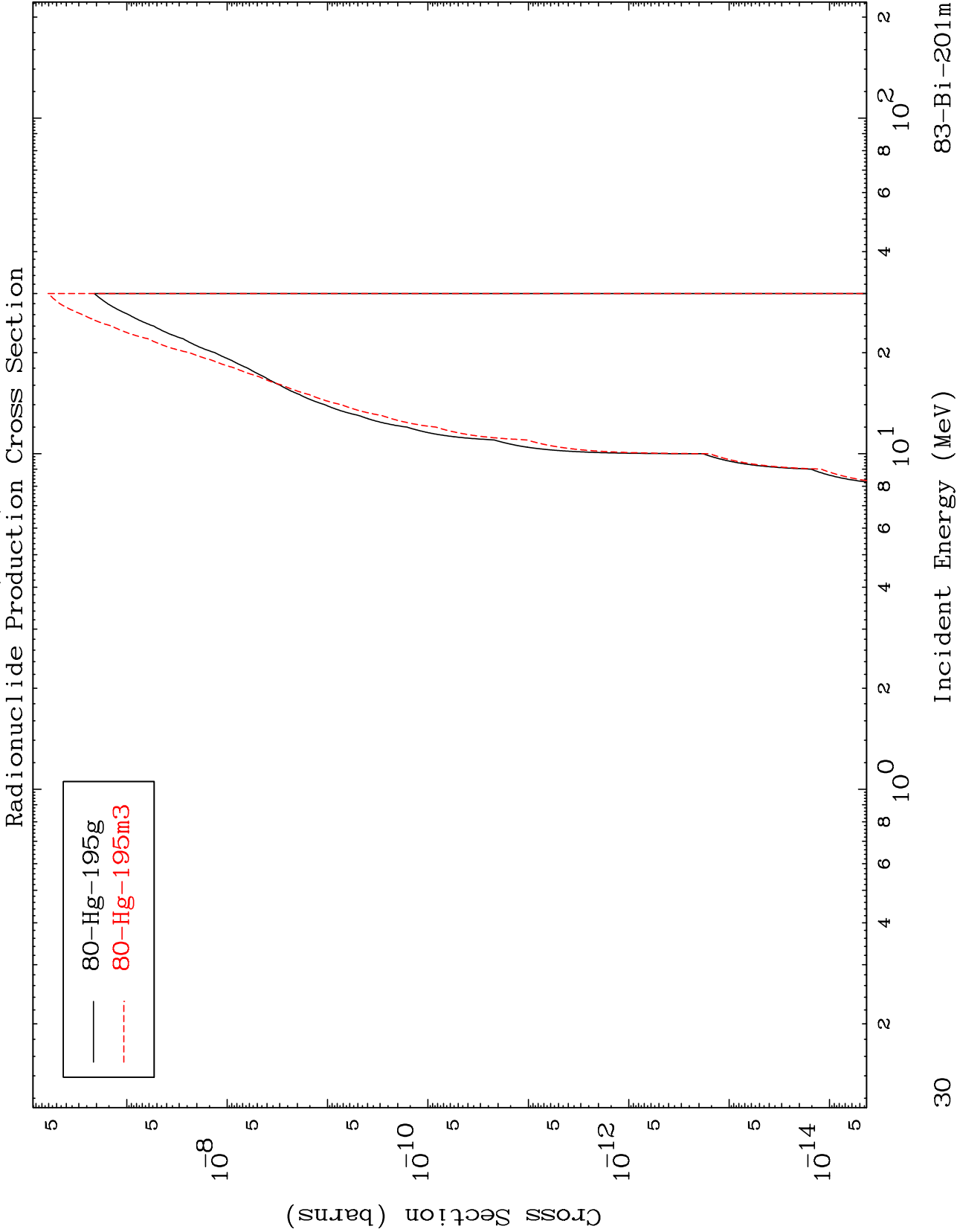
⁸³Bi-201m



MAT 8302

(n,2α)

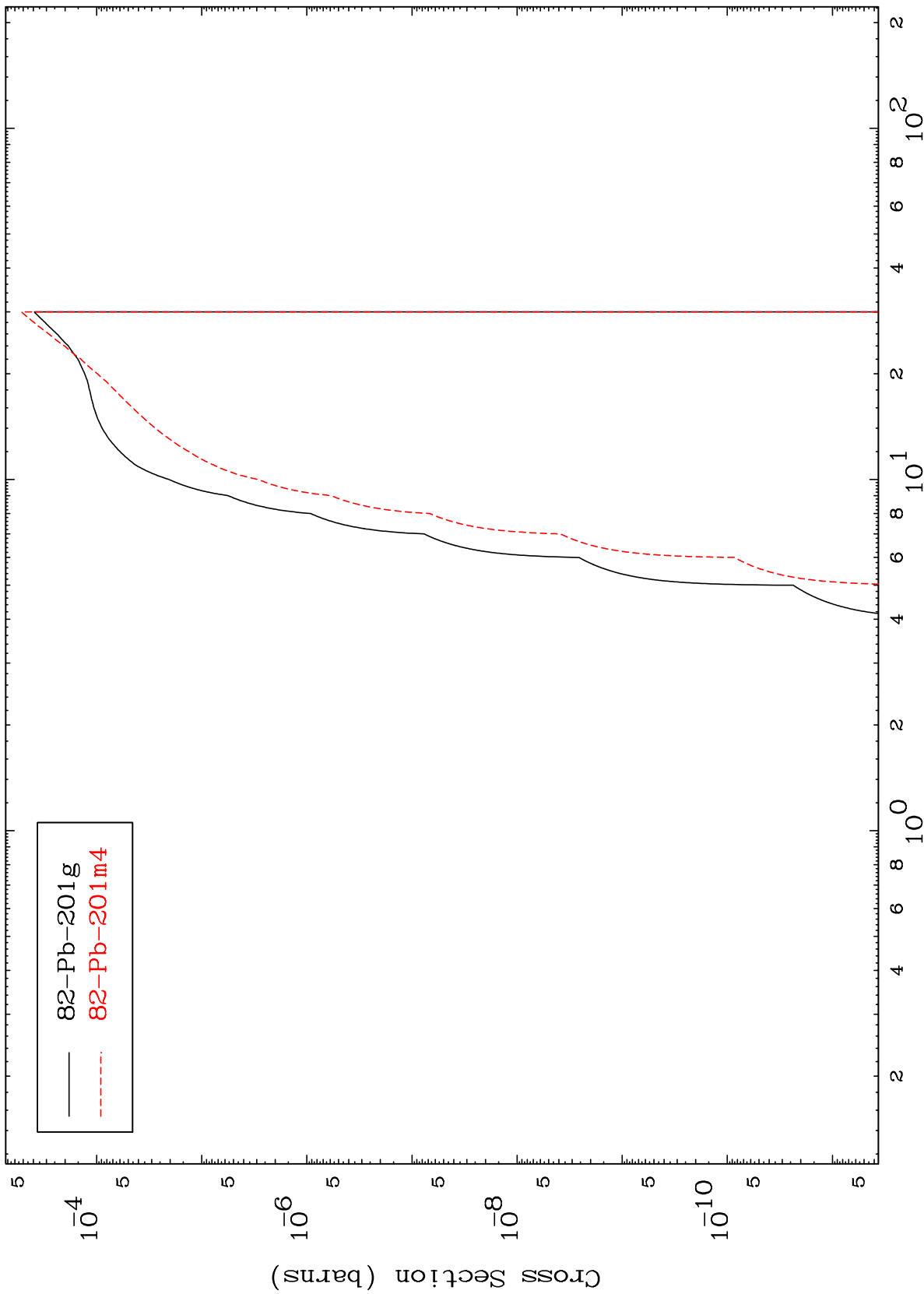
83-Bi-201m



MAT 8302

⁸³Bi-201m

(n,2p)
Radionuclide Production Cross Section



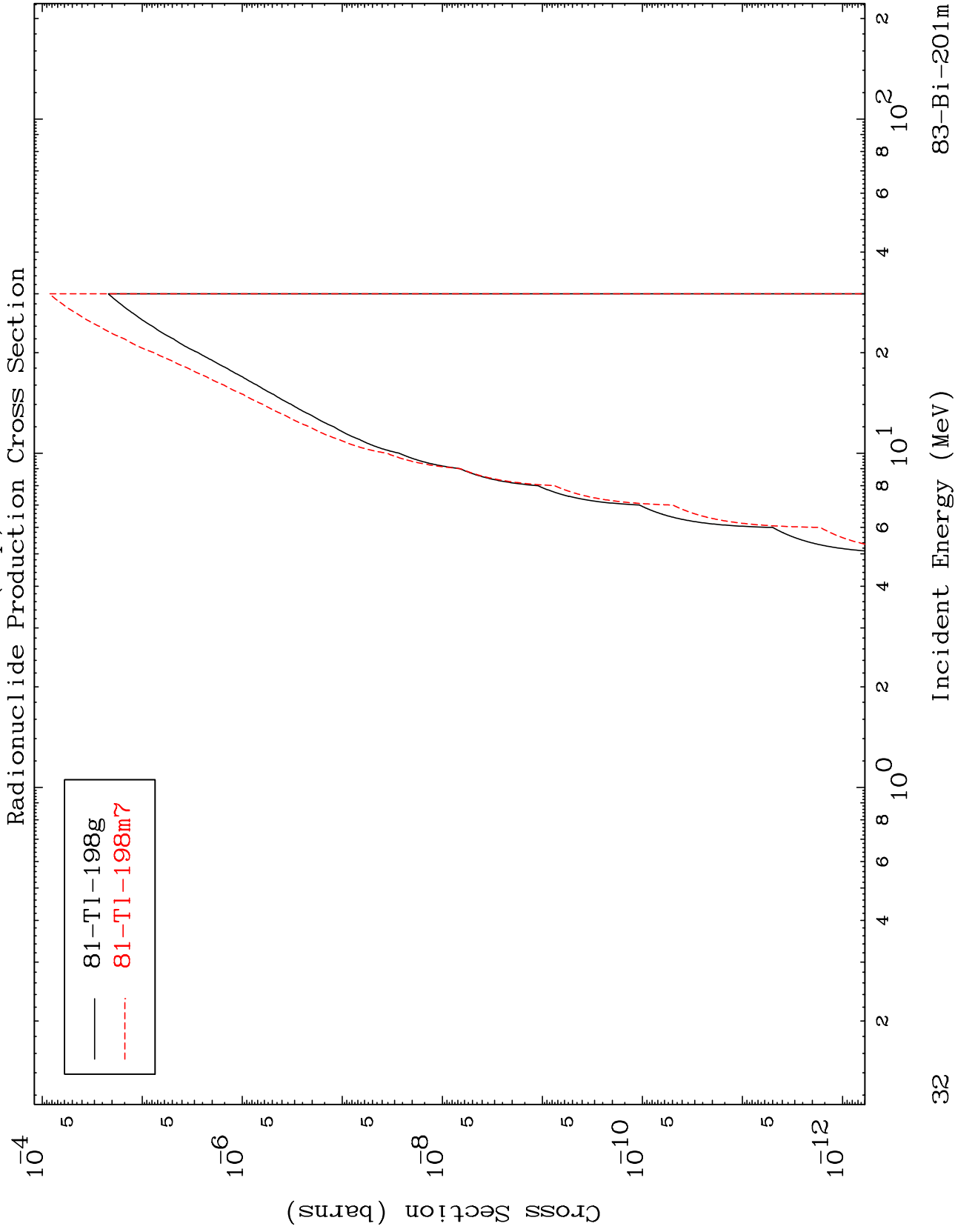
⁸³Bi-201m

Incident Energy (MeV)

MAT 8302

(n,p) α

83-Bi-201m

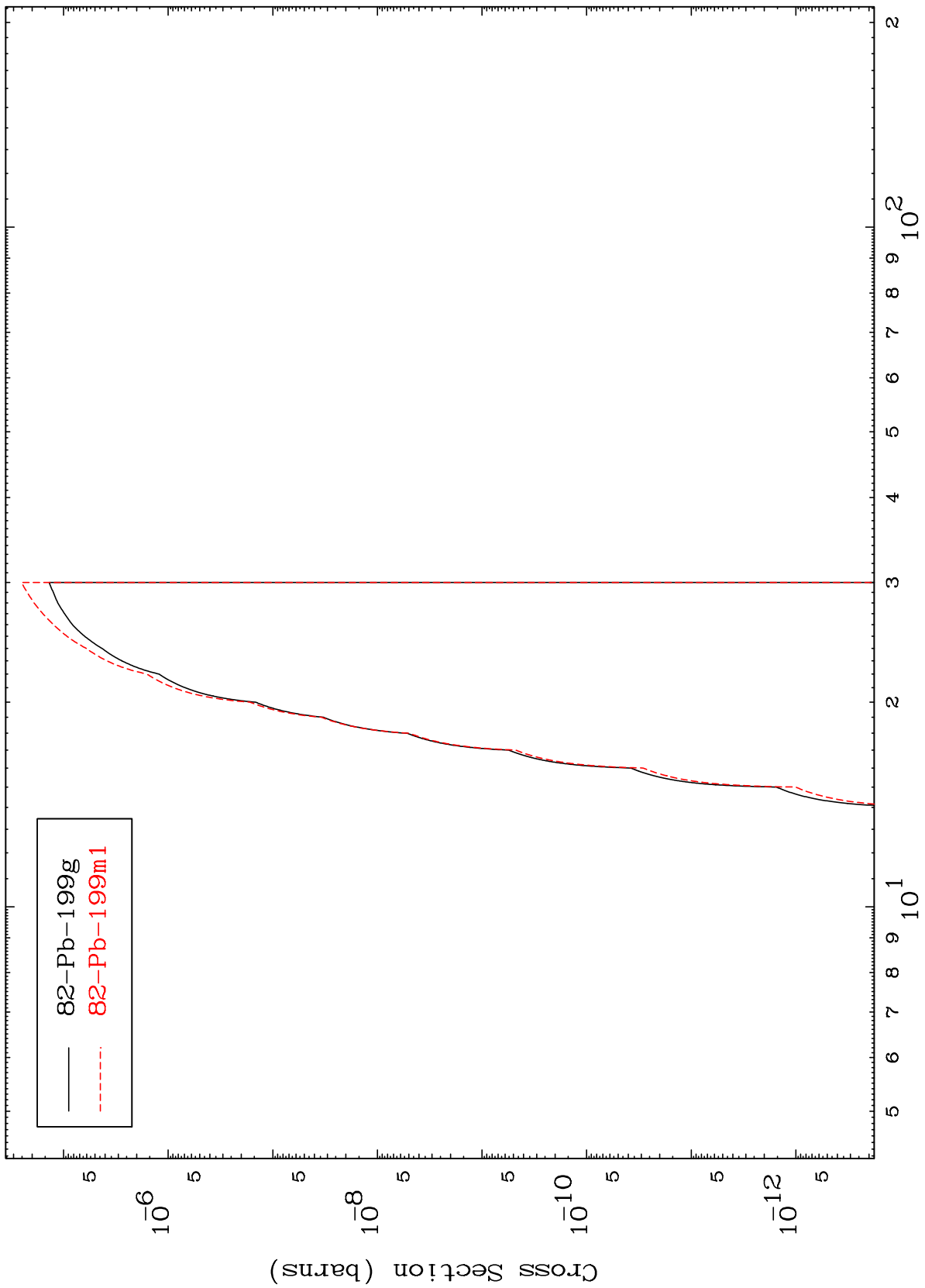


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(n,p) t

83-Bi-201m

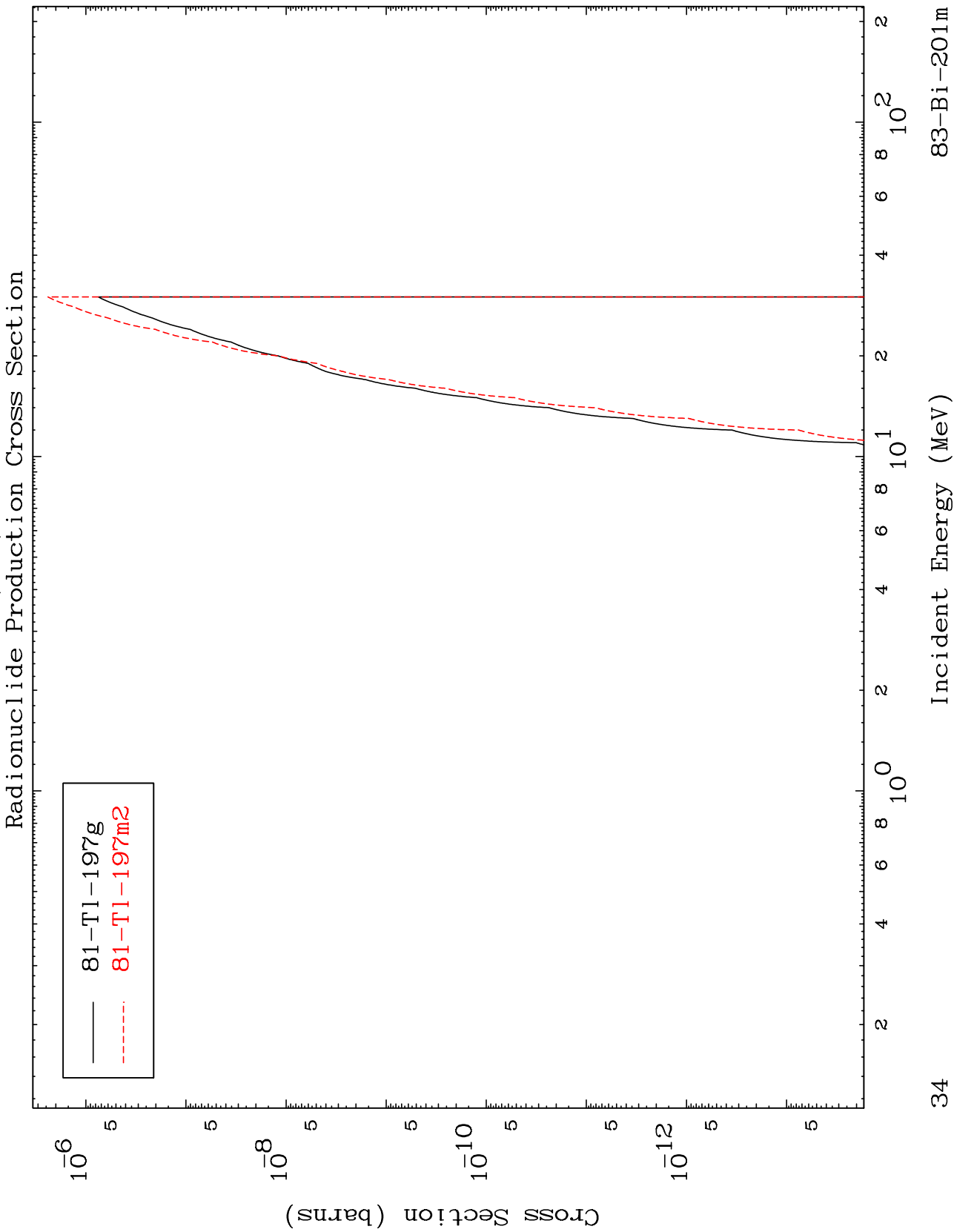
Radionuclide Production Cross Section



MAT 8302

(n,d) α

^{83}Bi -201m



81-Tl-197g
81-Tl-197m2