

Program EVALPLOT
(Version 2021-1)

by

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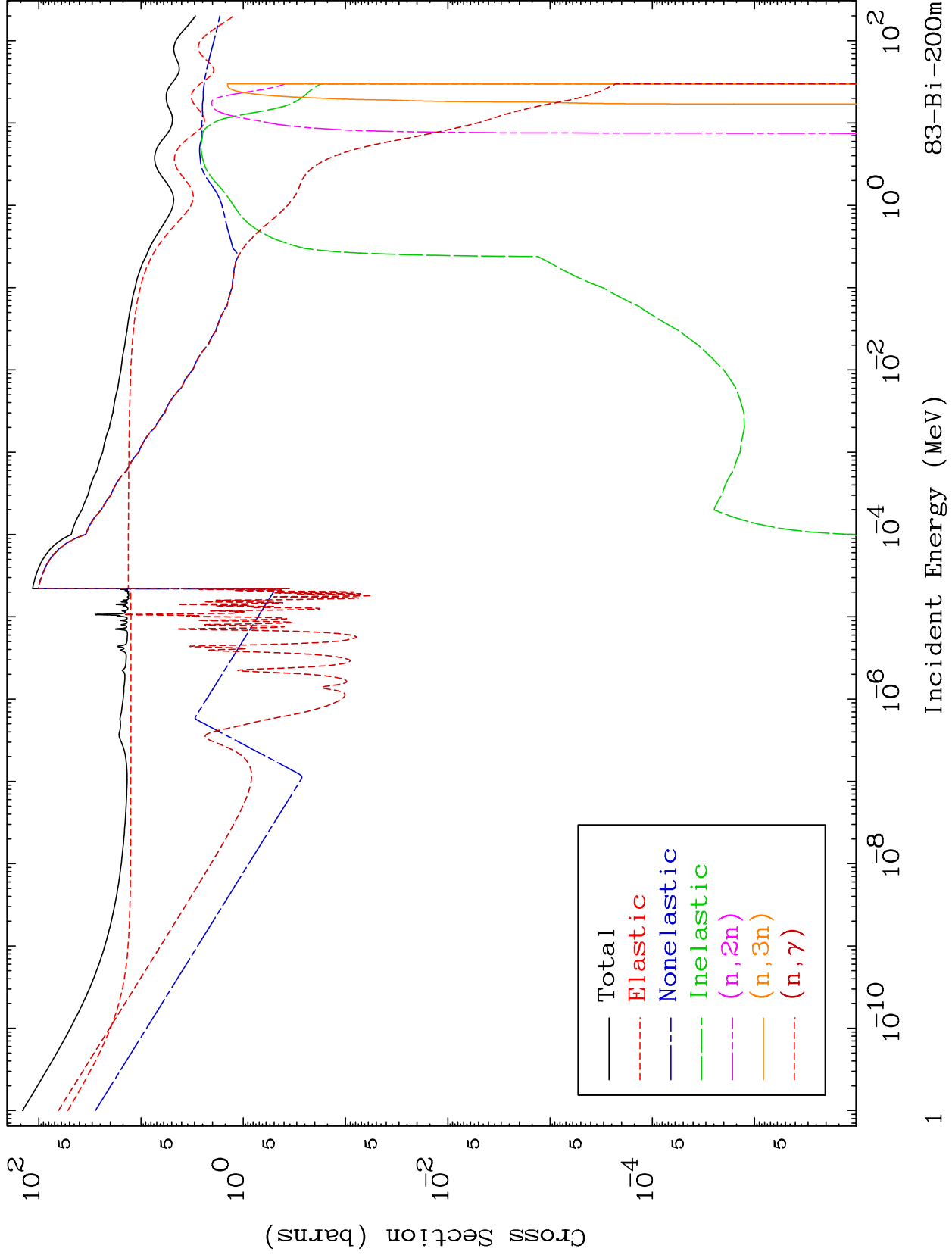
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8299

Neutron Major
293 Kelvin Cross Sections

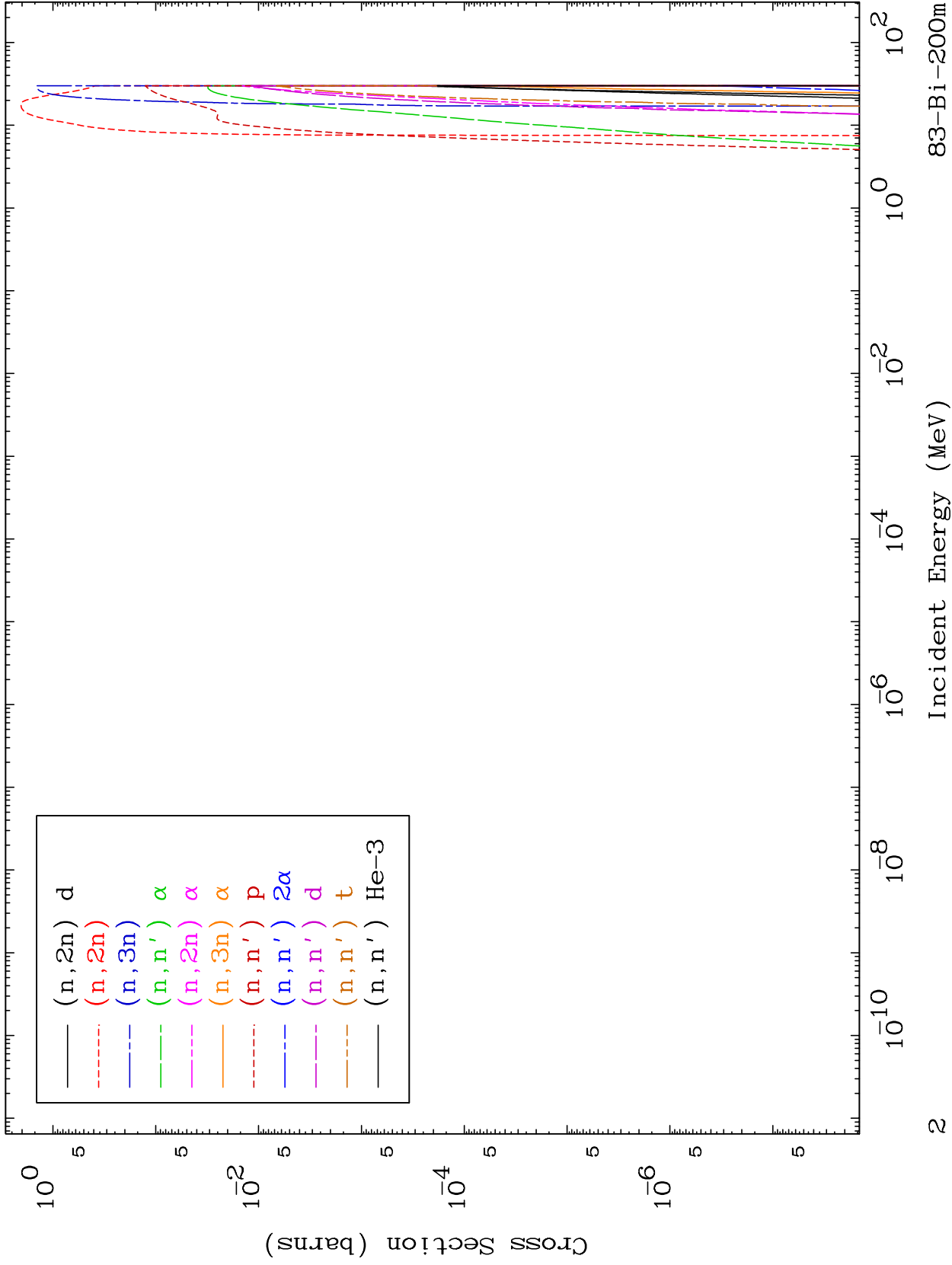
83-Bi-200m



MAT 8299

Neutron Absorption
293 Kelvin Cross Sections

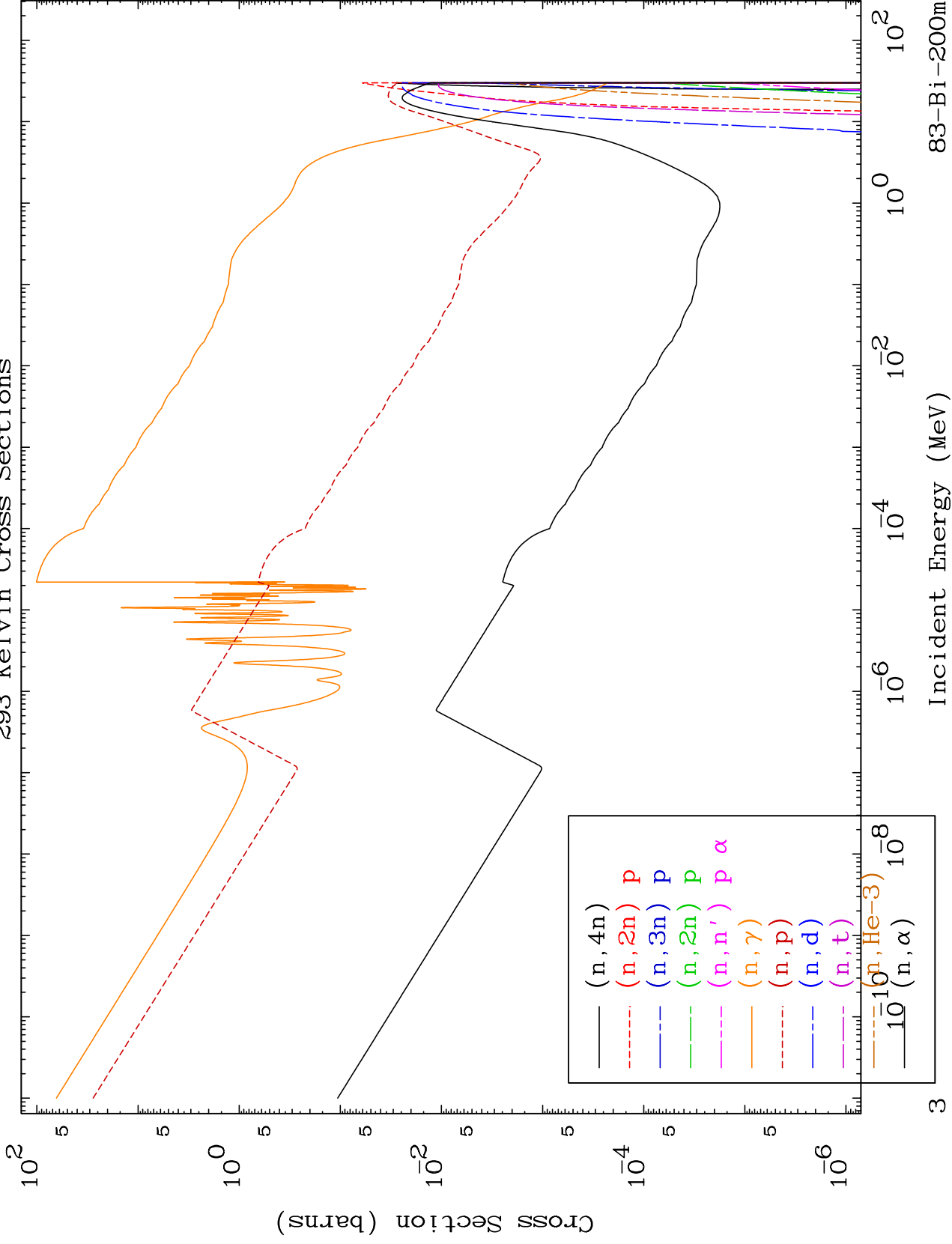
⁸³Bi-200m



MAT 8299

Neutron Absorption
293 Kelvin Cross Sections

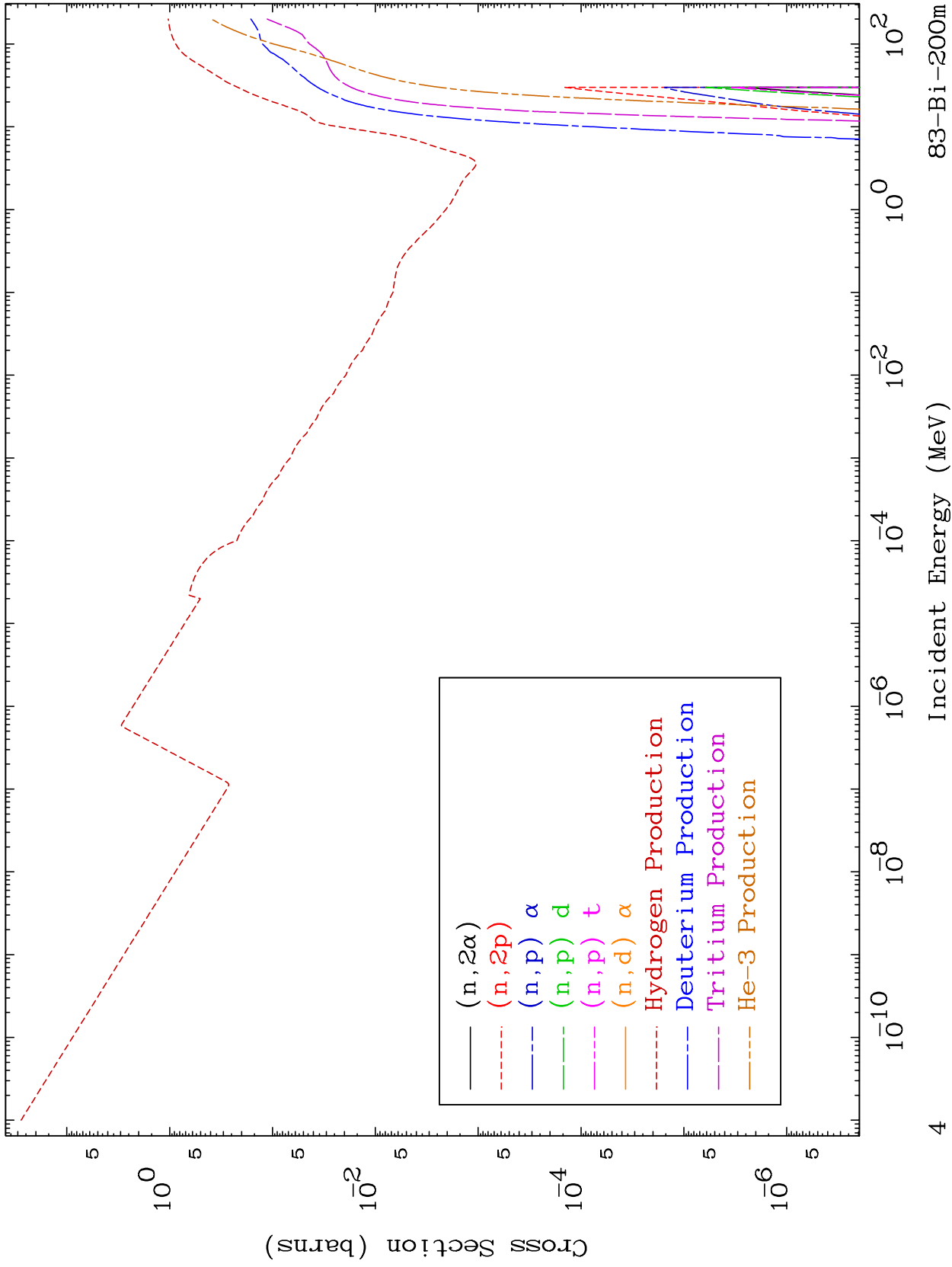
83-Bi-200m



MAT 8299

Neutron Absorption
293 Kelvin Cross Sections

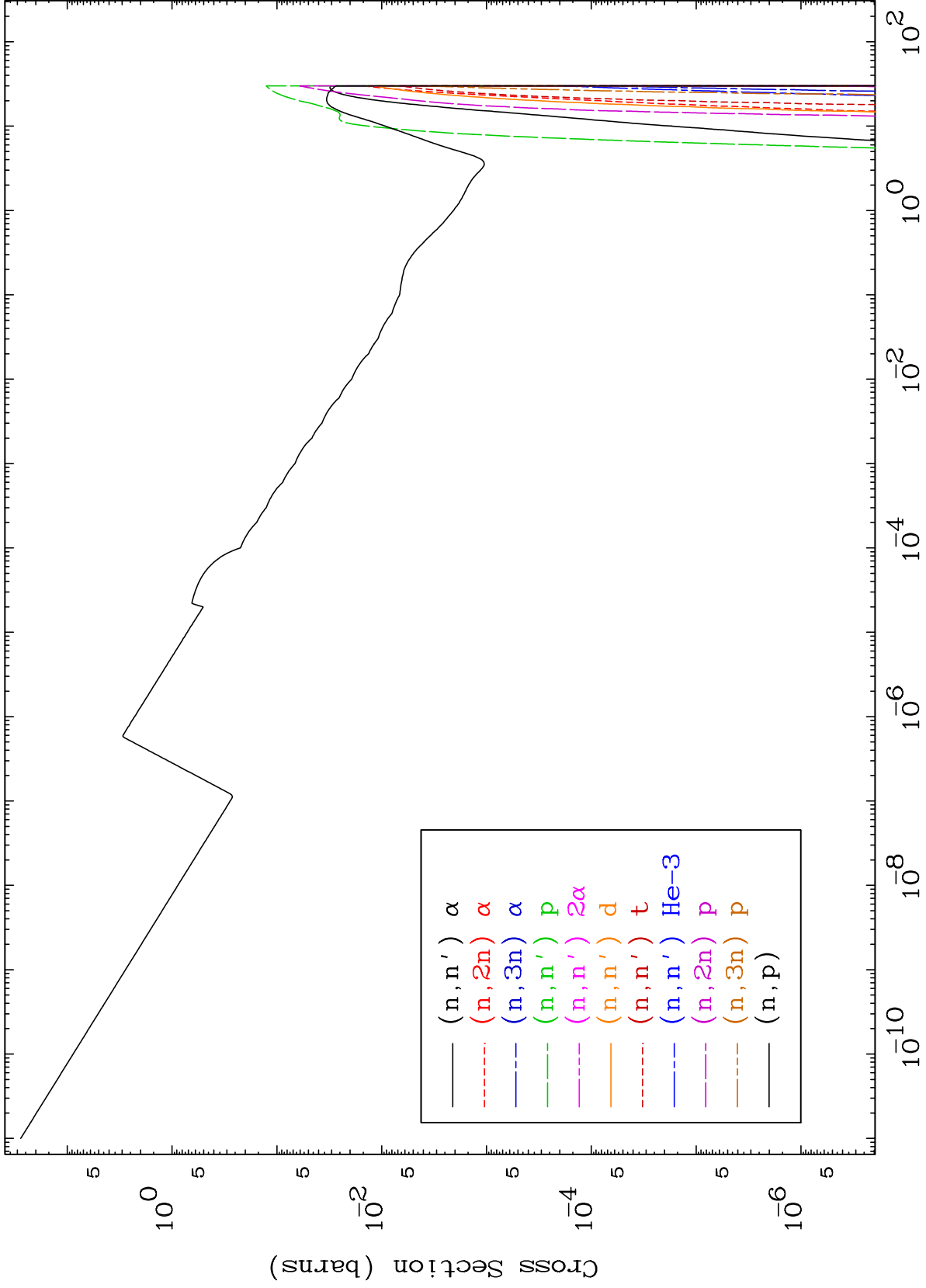
83-Bi-200m



MAT 8299

Charged Particle
293 Kelvin Cross Sections

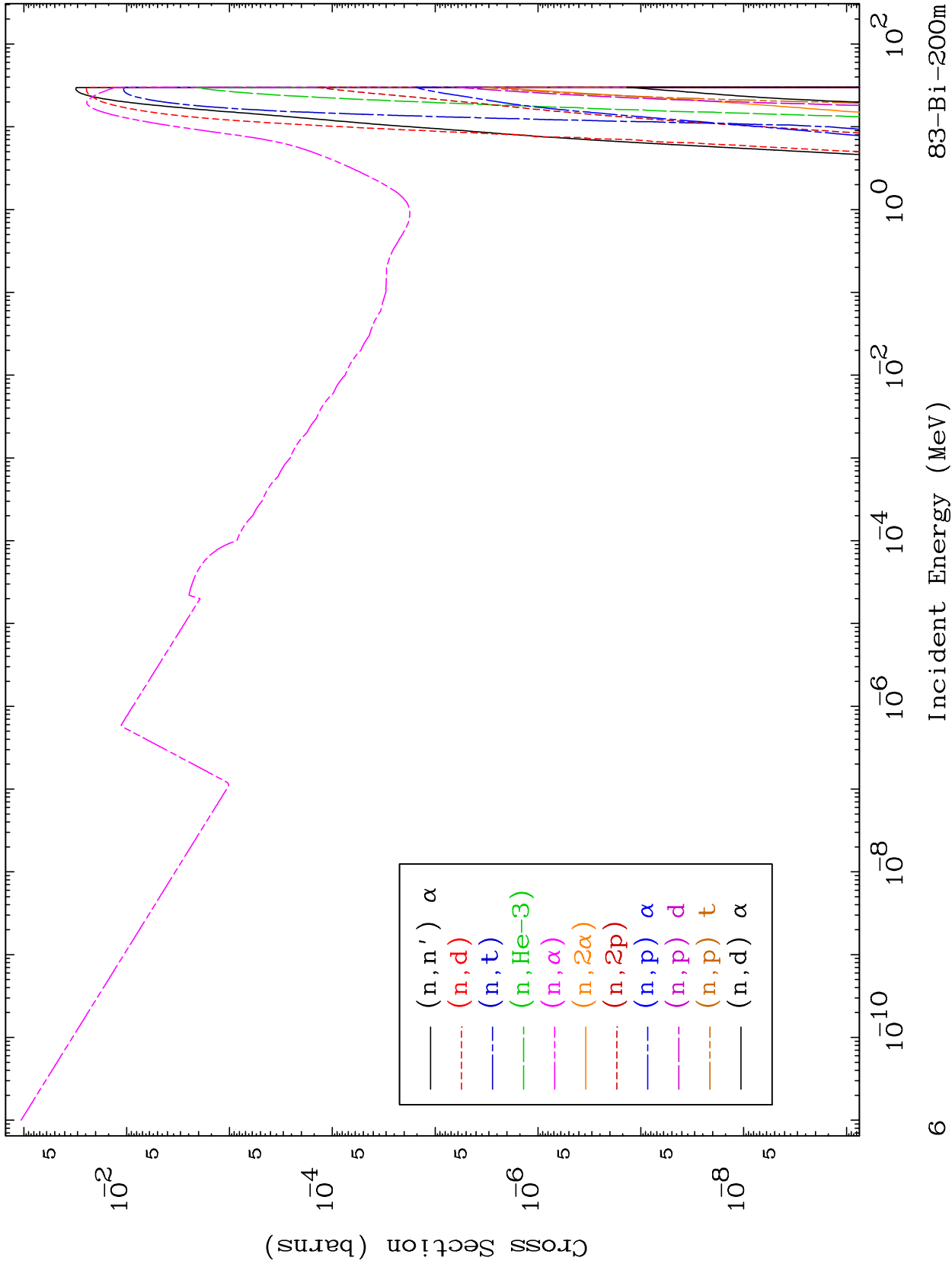
83-Bi-200m



MAT 8299

Charged Particle
293 Kelvin Cross Sections

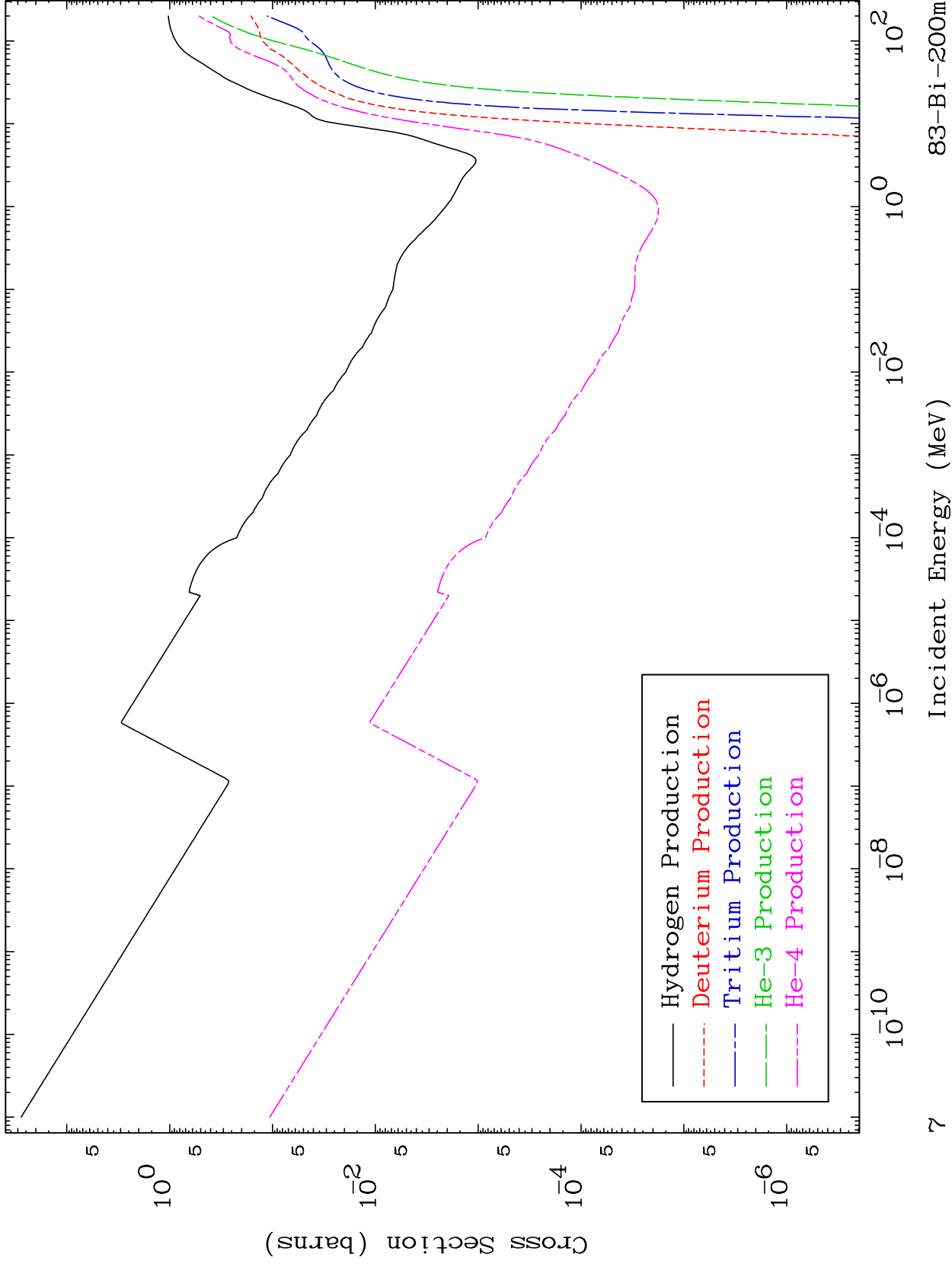
83-Bi-200m



MAT 8299

Particle Production
293 Kelvin Cross Sections

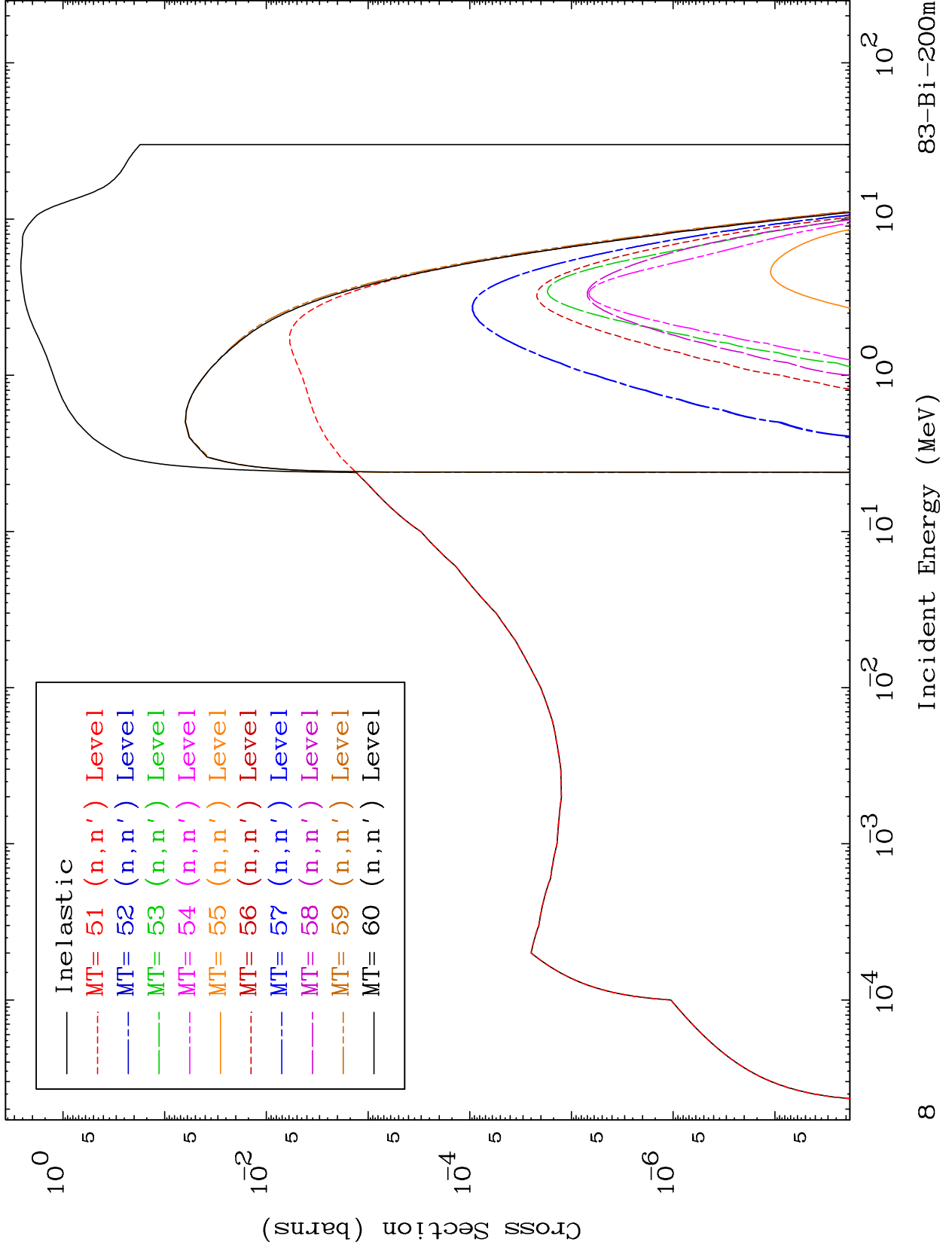
83-Bi-200m



MAT 8299

(n,n') Levels
293 Kelvin Cross Sections

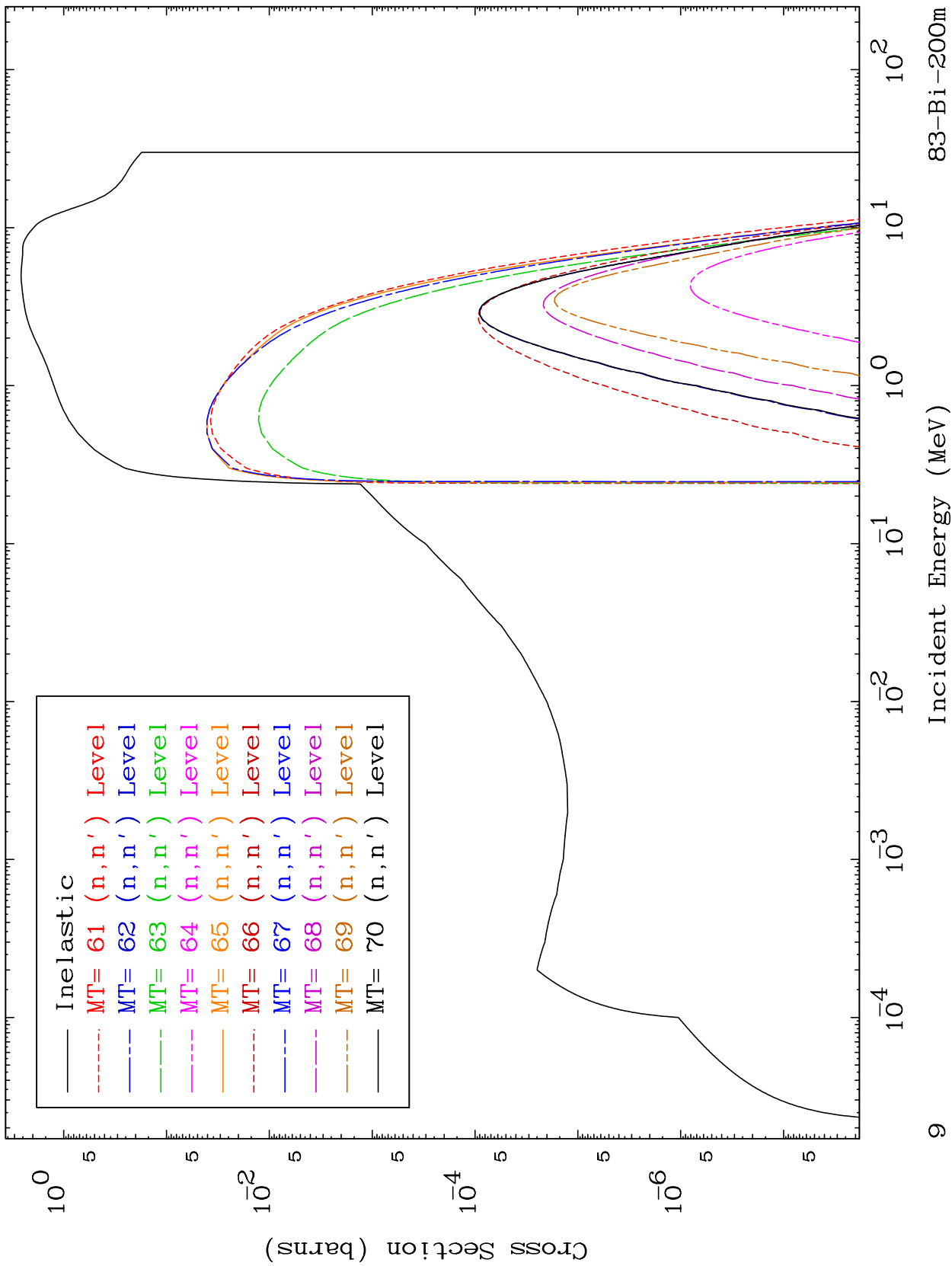
83-Bi-200m



MAT 8299

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-200m

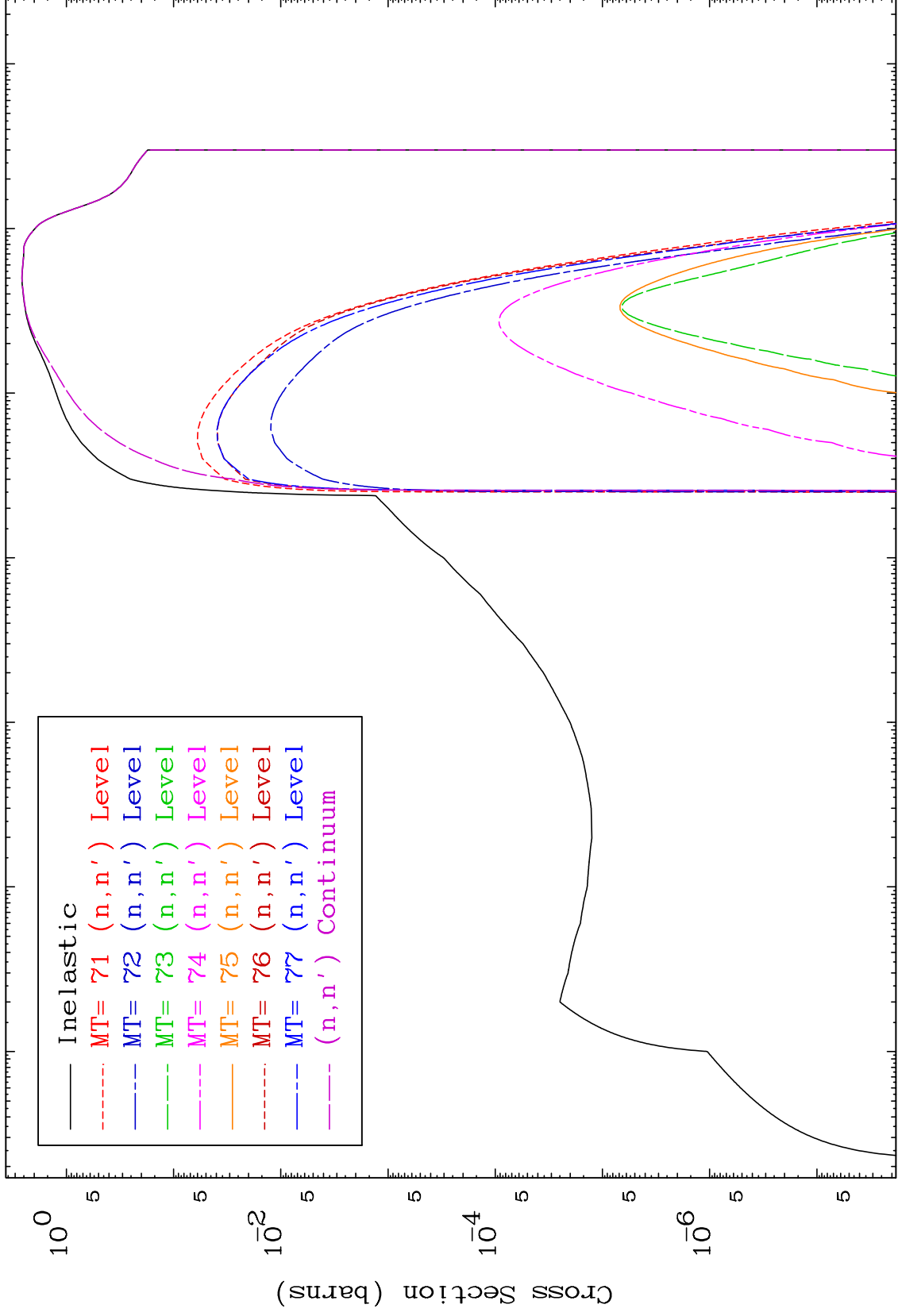


83-Bi-200m

MAT 8299

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-200m



10

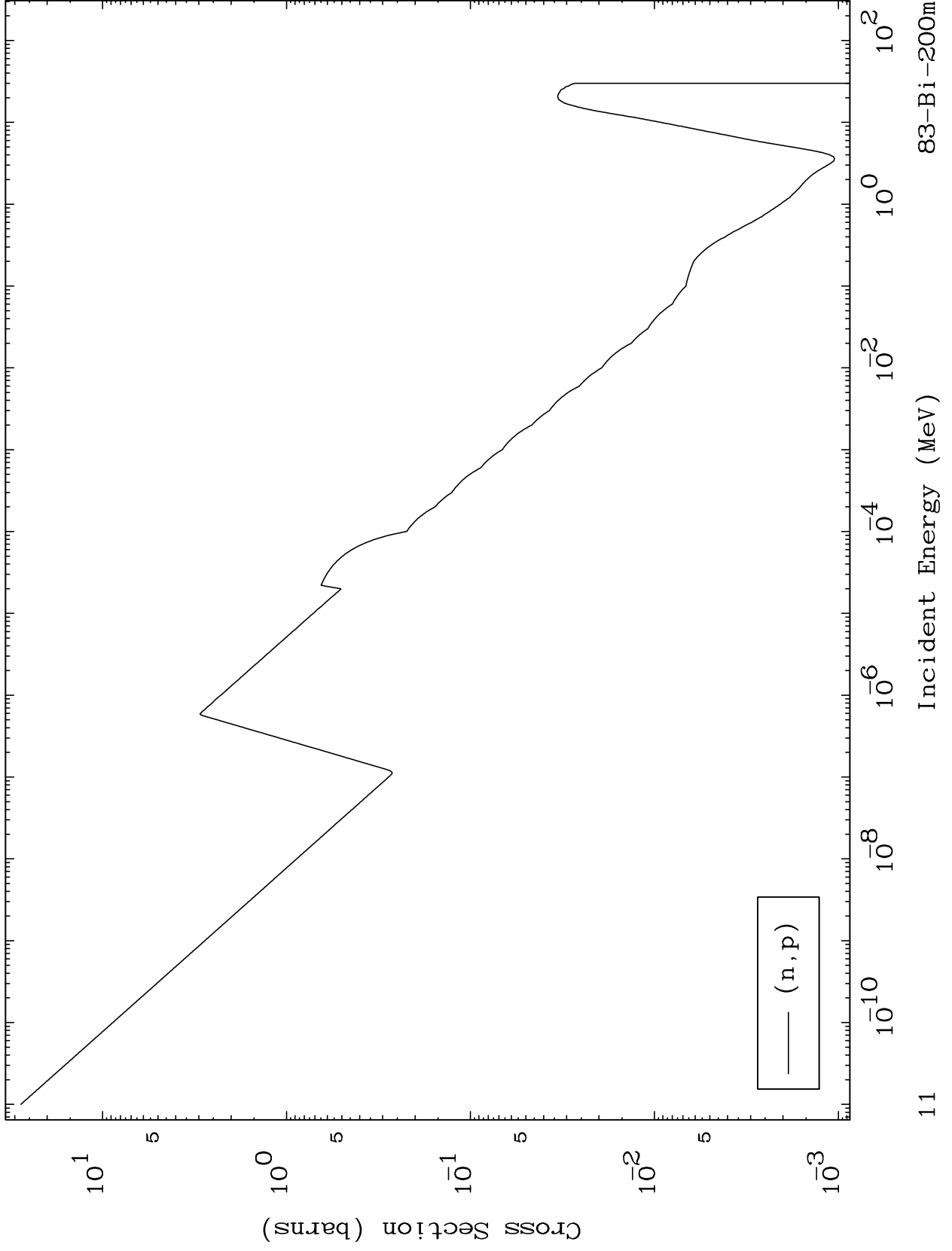
Incident Energy (MeV)

83-Bi-200m

MAT 8299

(n,p) Levels
293 Kelvin Cross Sections

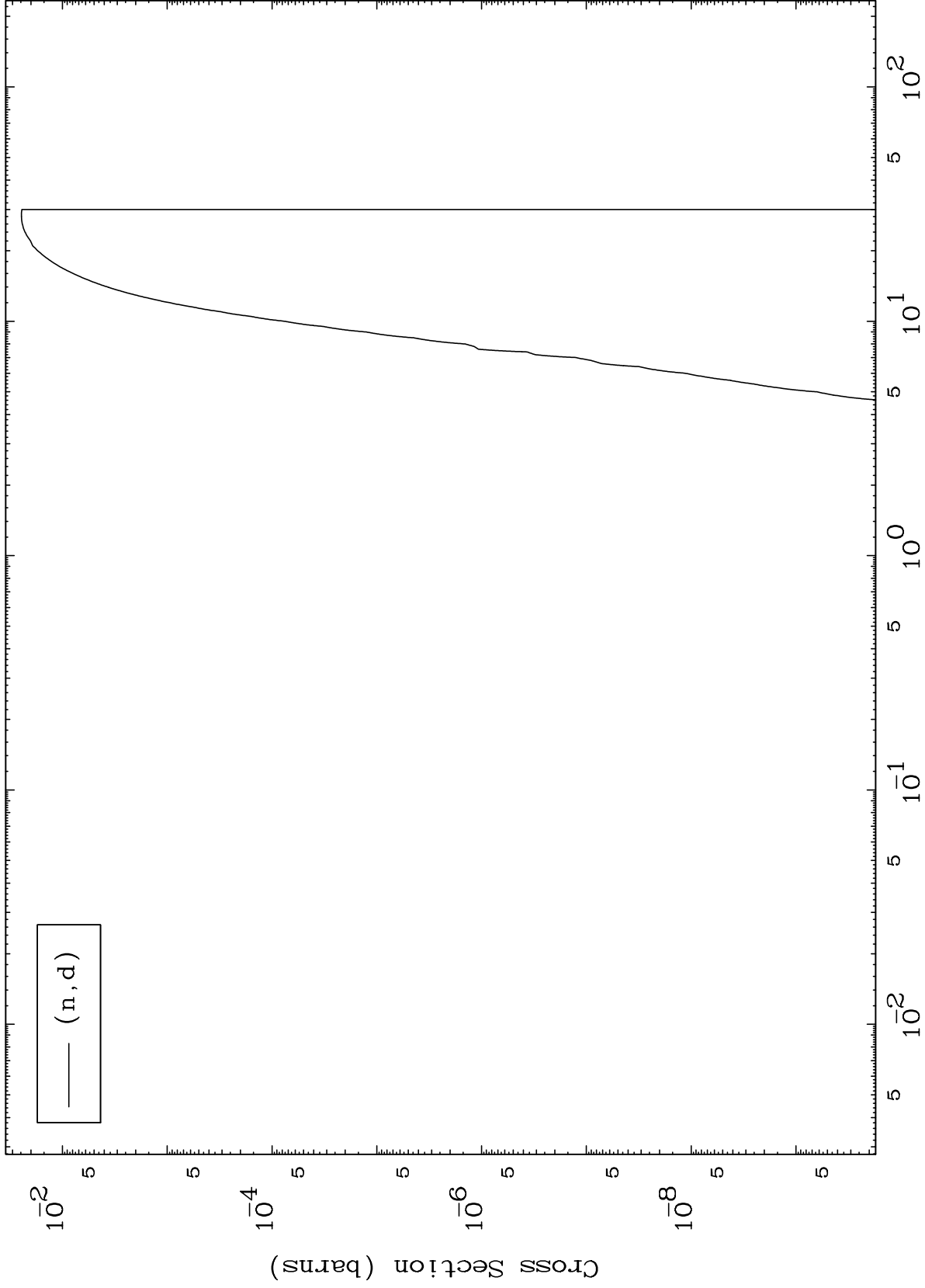
83-Bi-200m



MAT 8299

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-200m



12

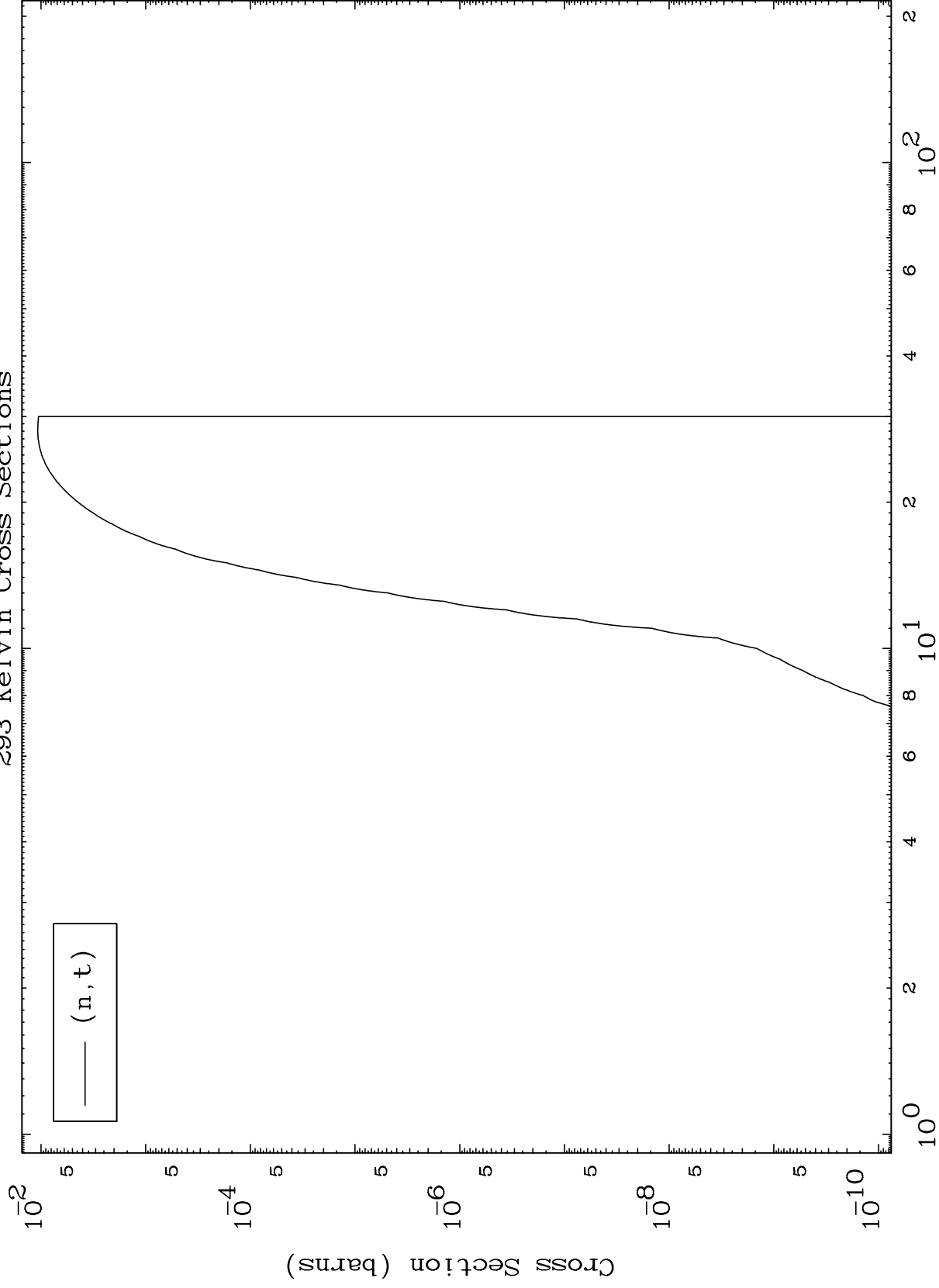
Incident Energy (MeV)

83-Bi-200m

MAT 8299

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-200m



Incident Energy (MeV)

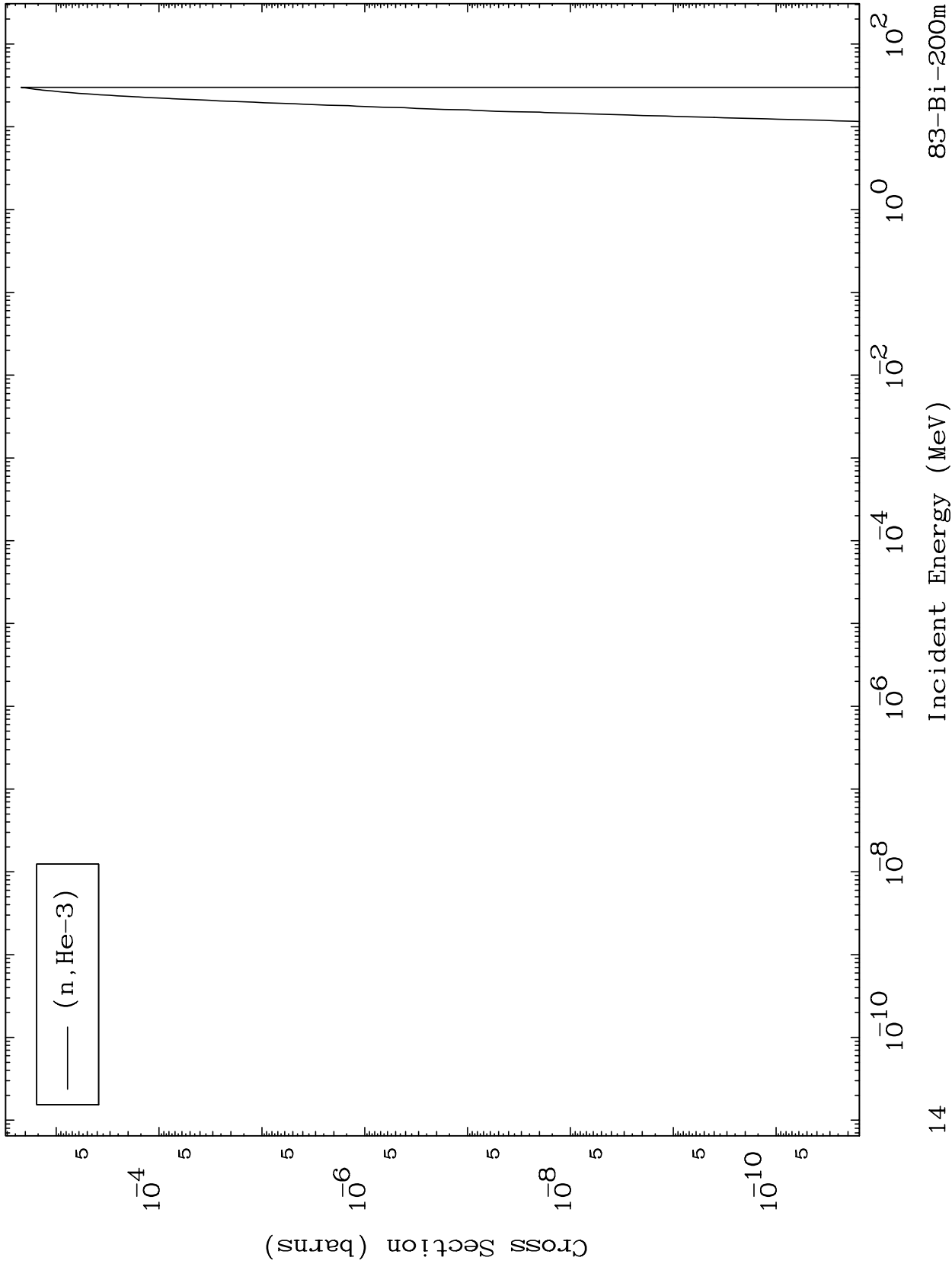
83-Bi-200m

13

MAT 8299

(n,He3) Levels
293 Kelvin Cross Sections

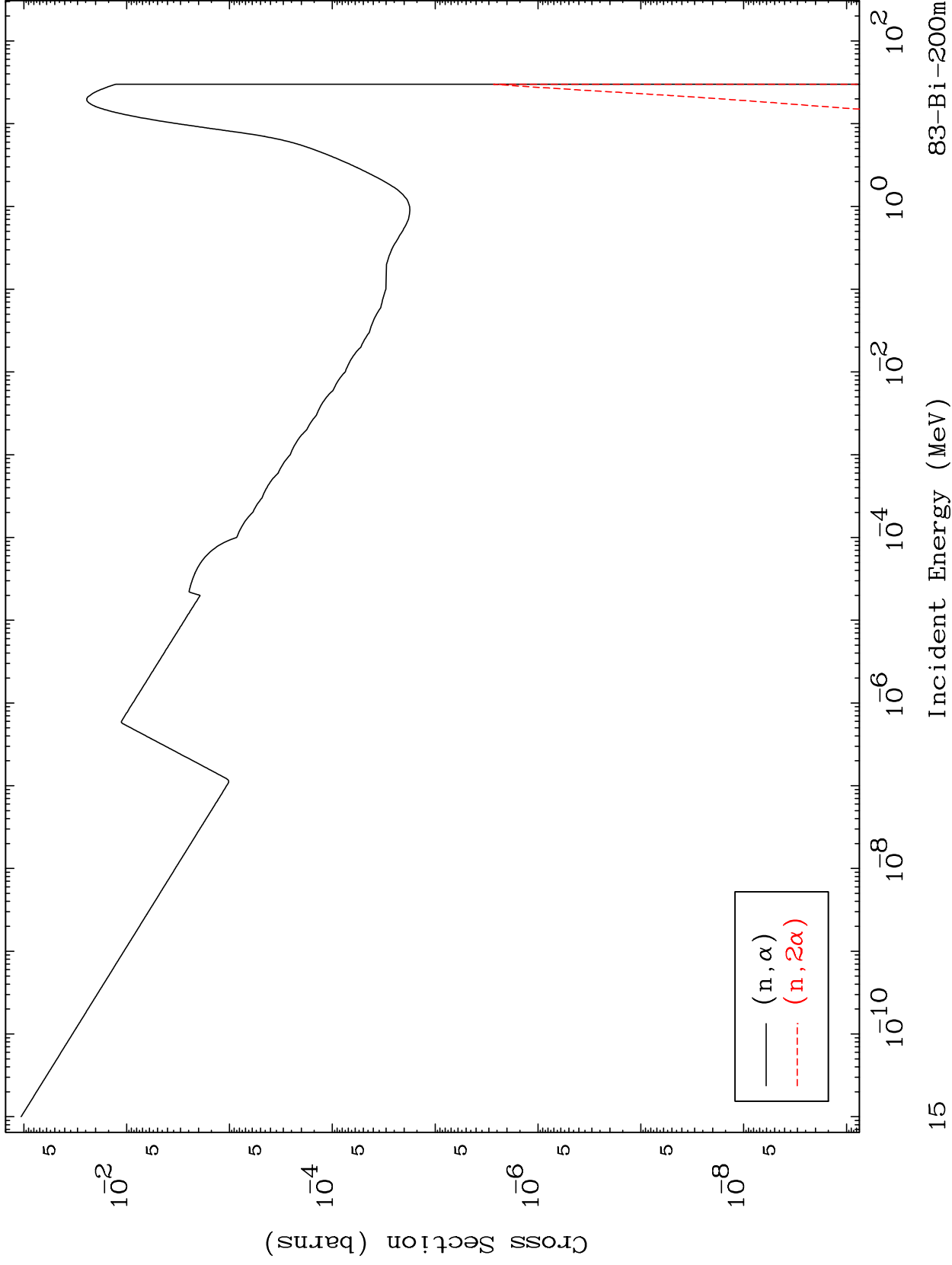
83-Bi-200m



MAT 8299

(n, α) Levels
293 Kelvin Cross Sections

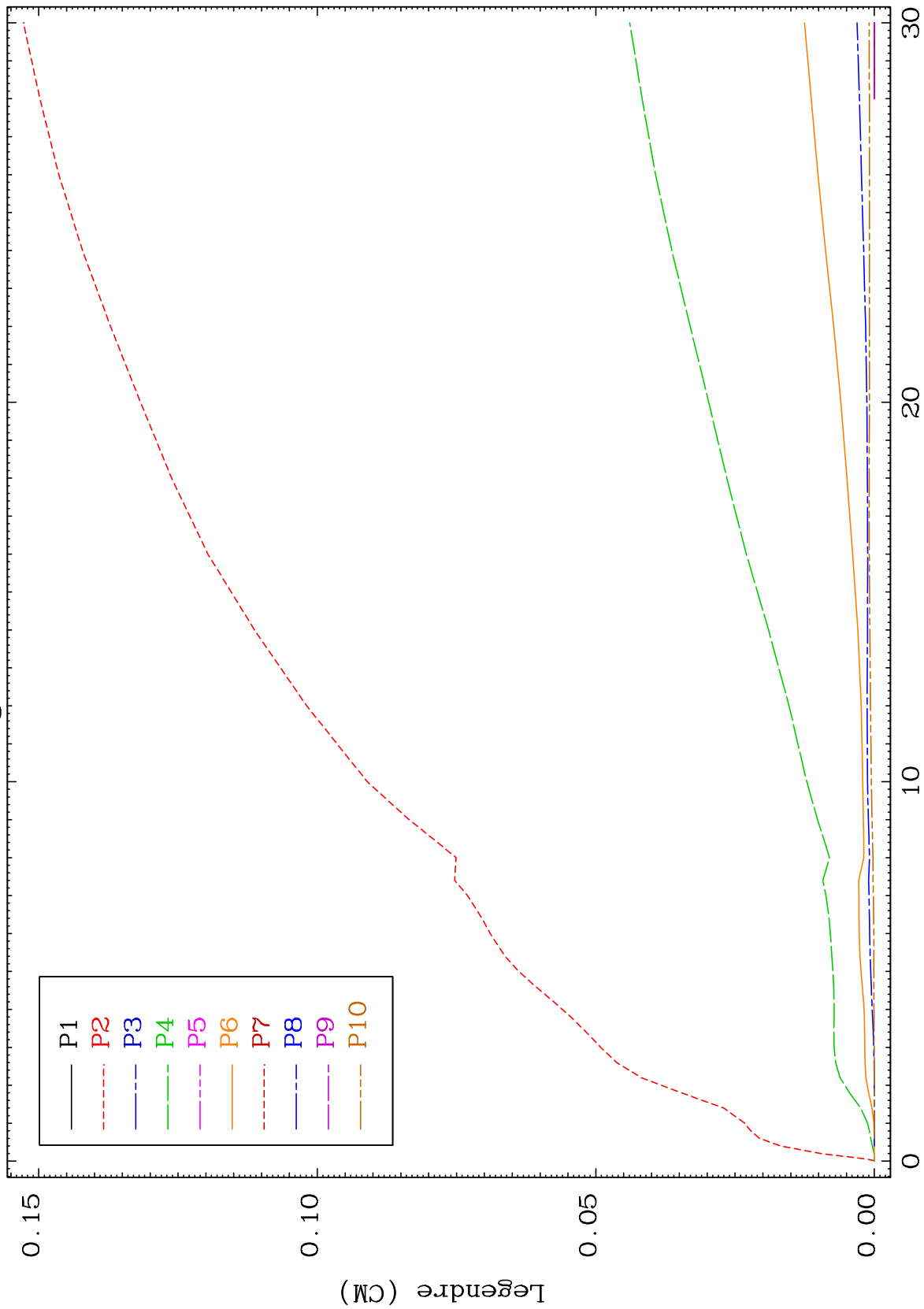
83-Bi-200m



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Elastic Legendre Coefficients

83-Bi-200m



16

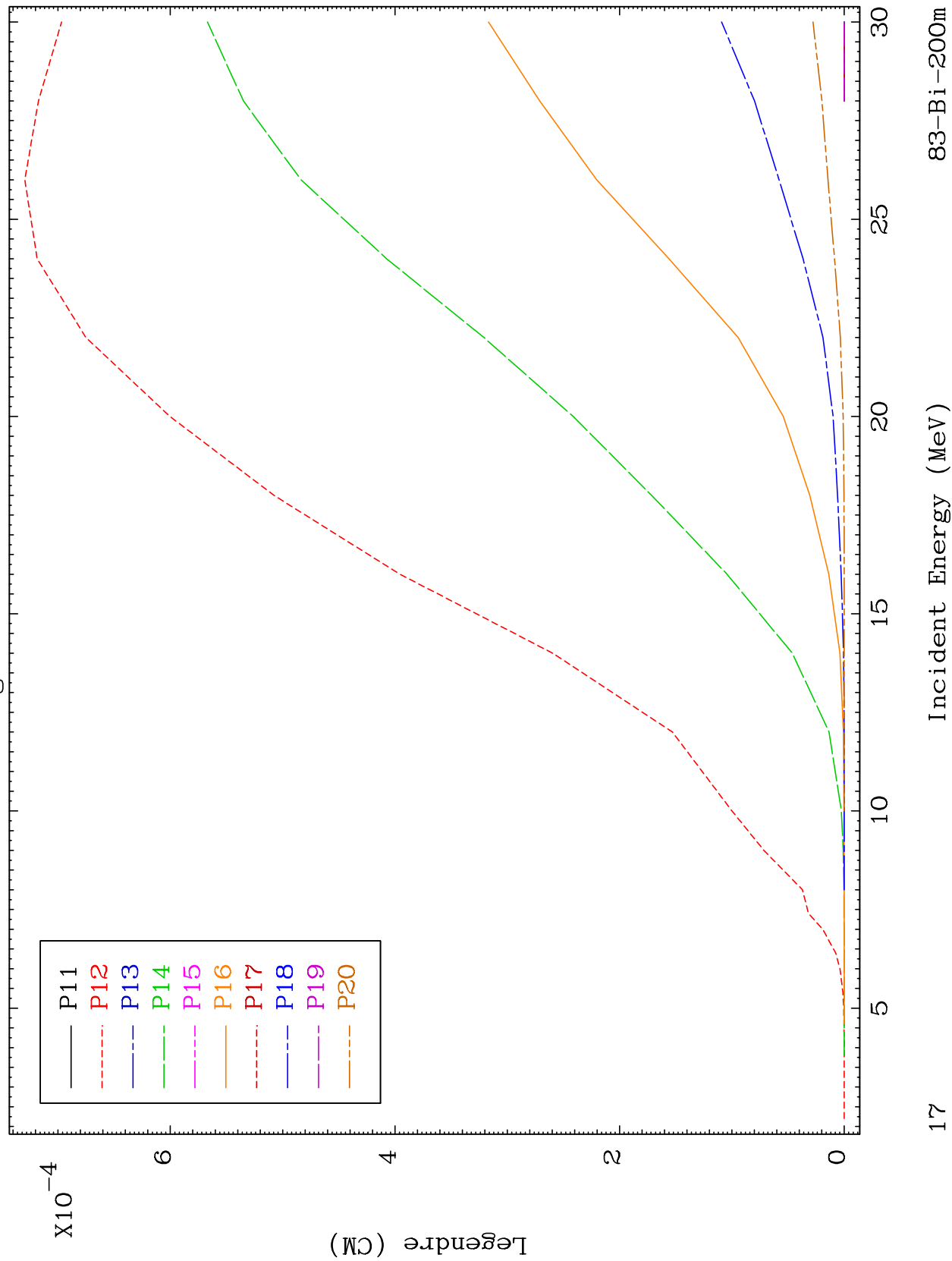
Incident Energy (MeV)

83-Bi-200m

MAT 8299

Elastic Legendre Coefficients

⁸³Bi-200m



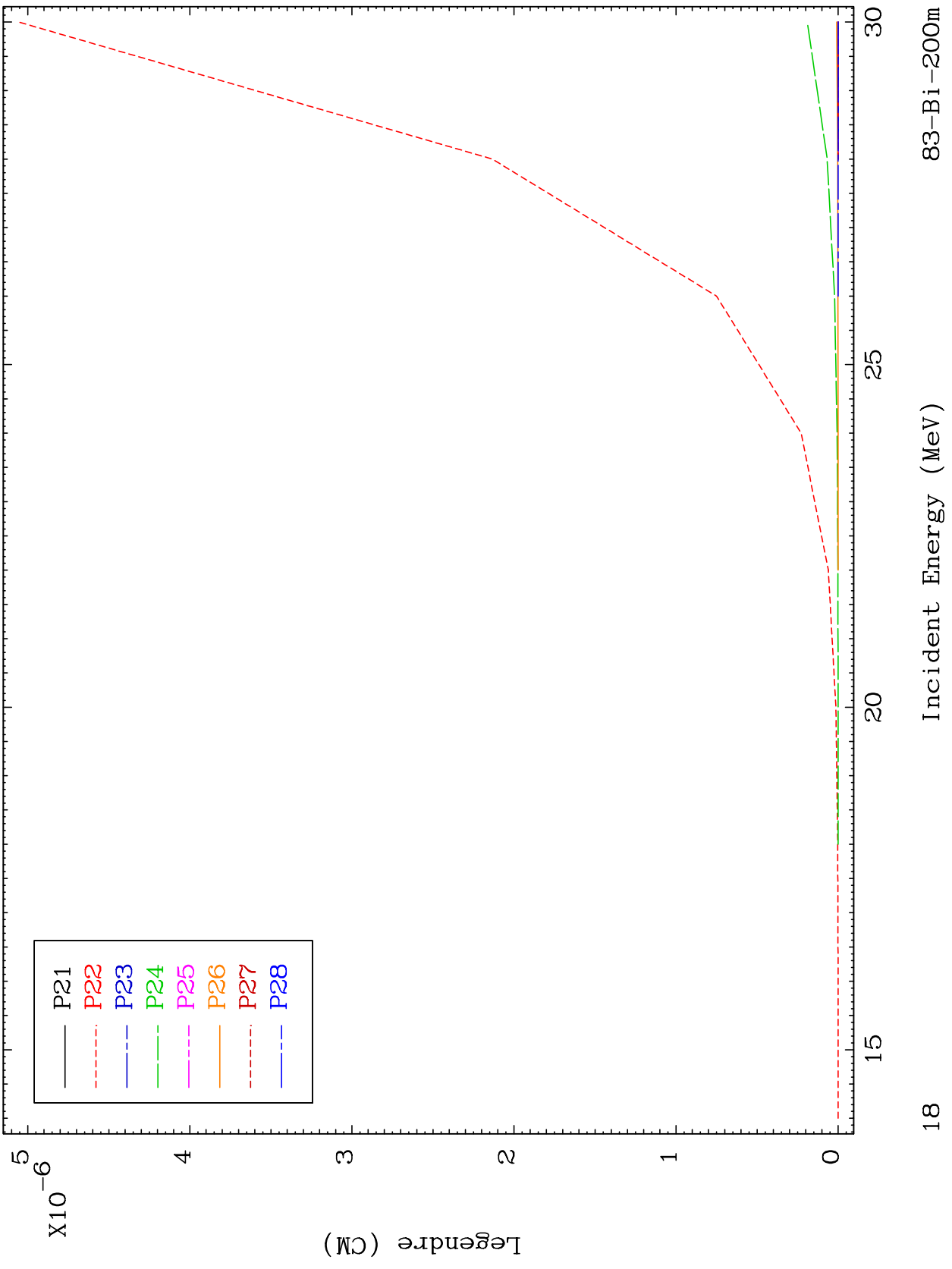
17

⁸³Bi-200m

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Elastic Legendre Coefficients

83-Bi-200m



18

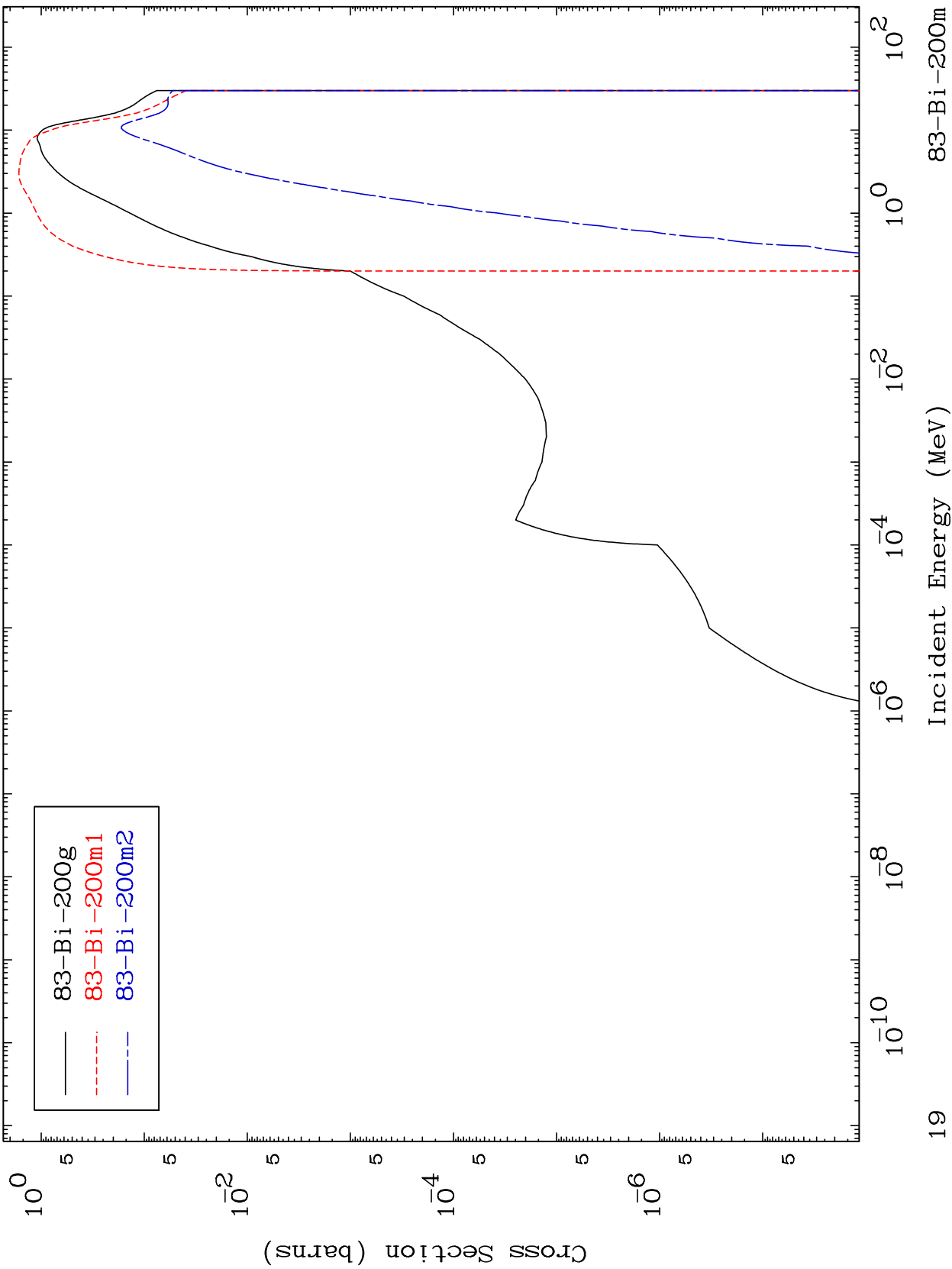
Incident Energy (MeV)

83-Bi-200m

MAT 8299

83-Bi-200m

Inelastic
Radionuclide Production Cross Section

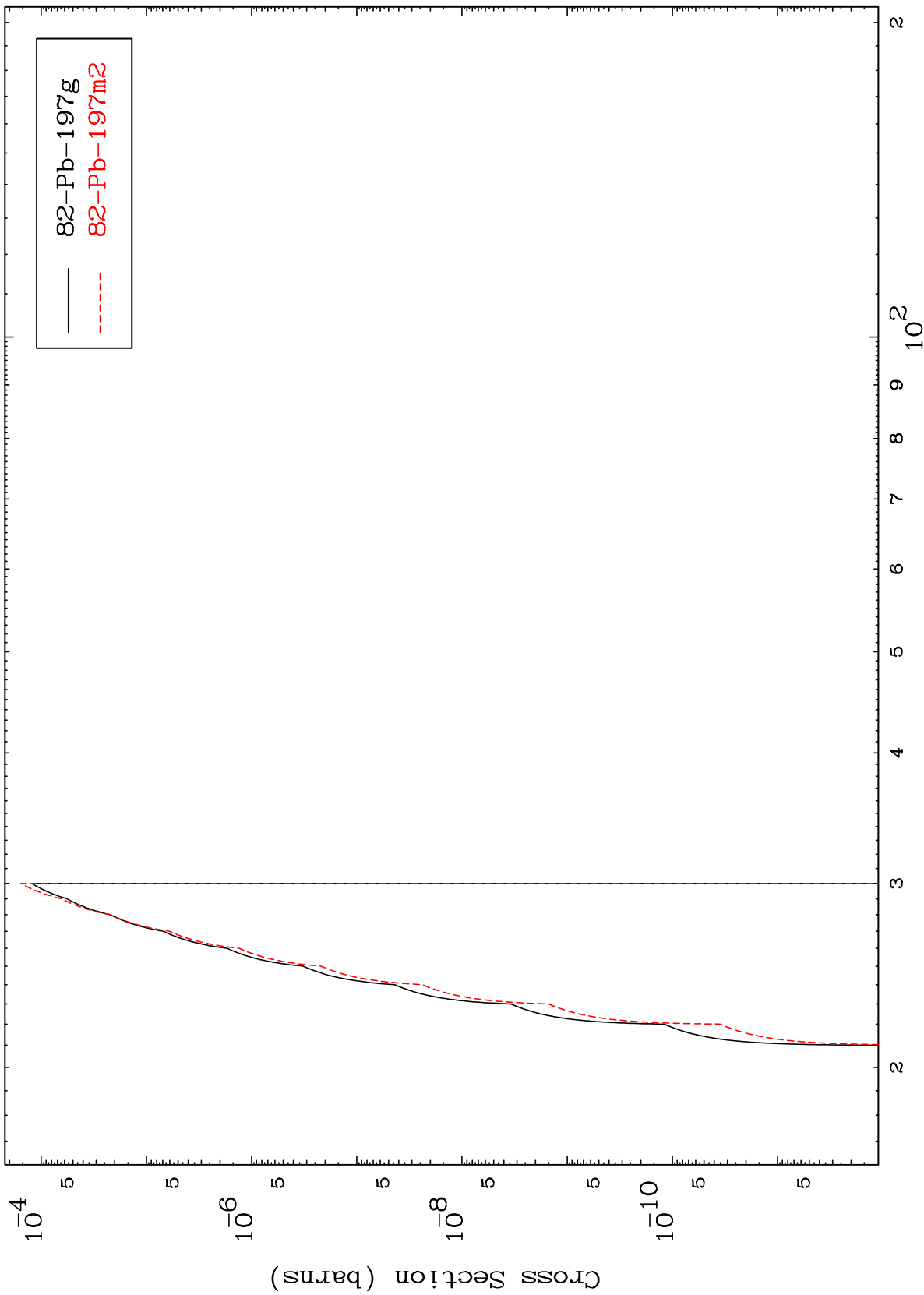


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(n,2n) d

83-Bi-200m

Radionuclide Production Cross Section



20

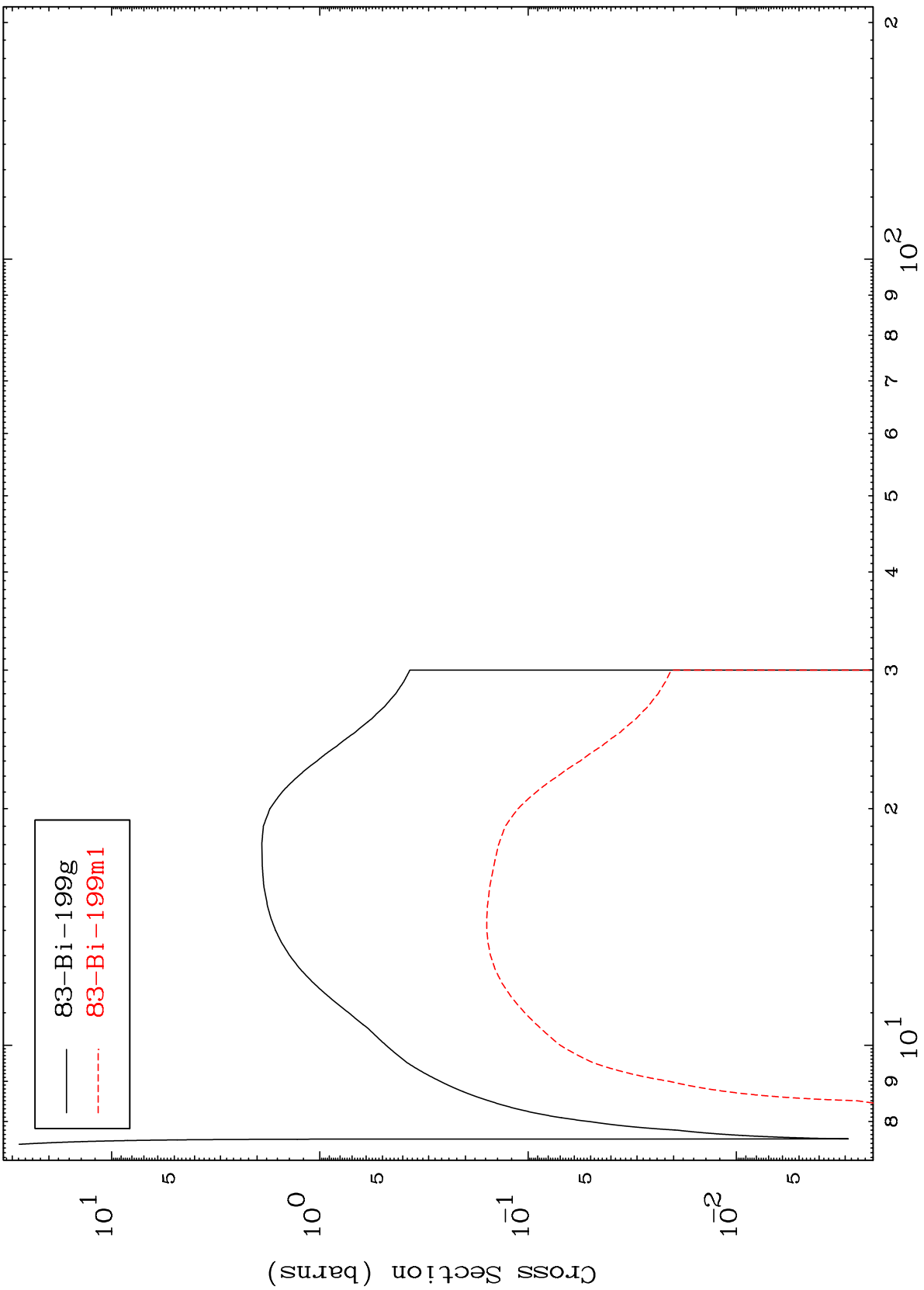
Incident Energy (MeV)

83-Bi-200m

MAT 8299

^{83}Bi -200m

Radionuclide Production Cross Section
(n,2n)



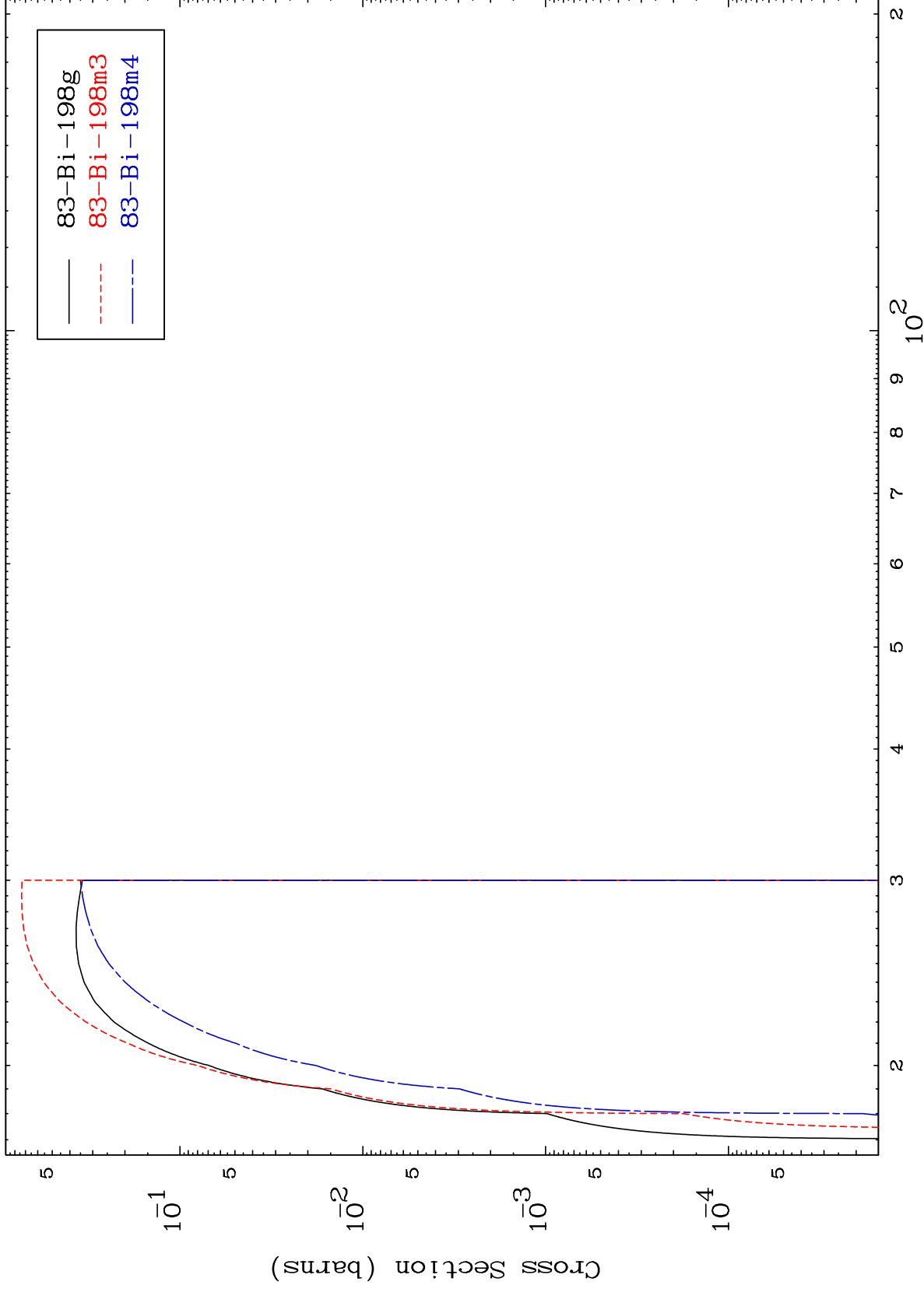
— ^{83}Bi -199g
- - - ^{83}Bi -199m1

MAT 8299

(n,3n)

⁸³Bi-200m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

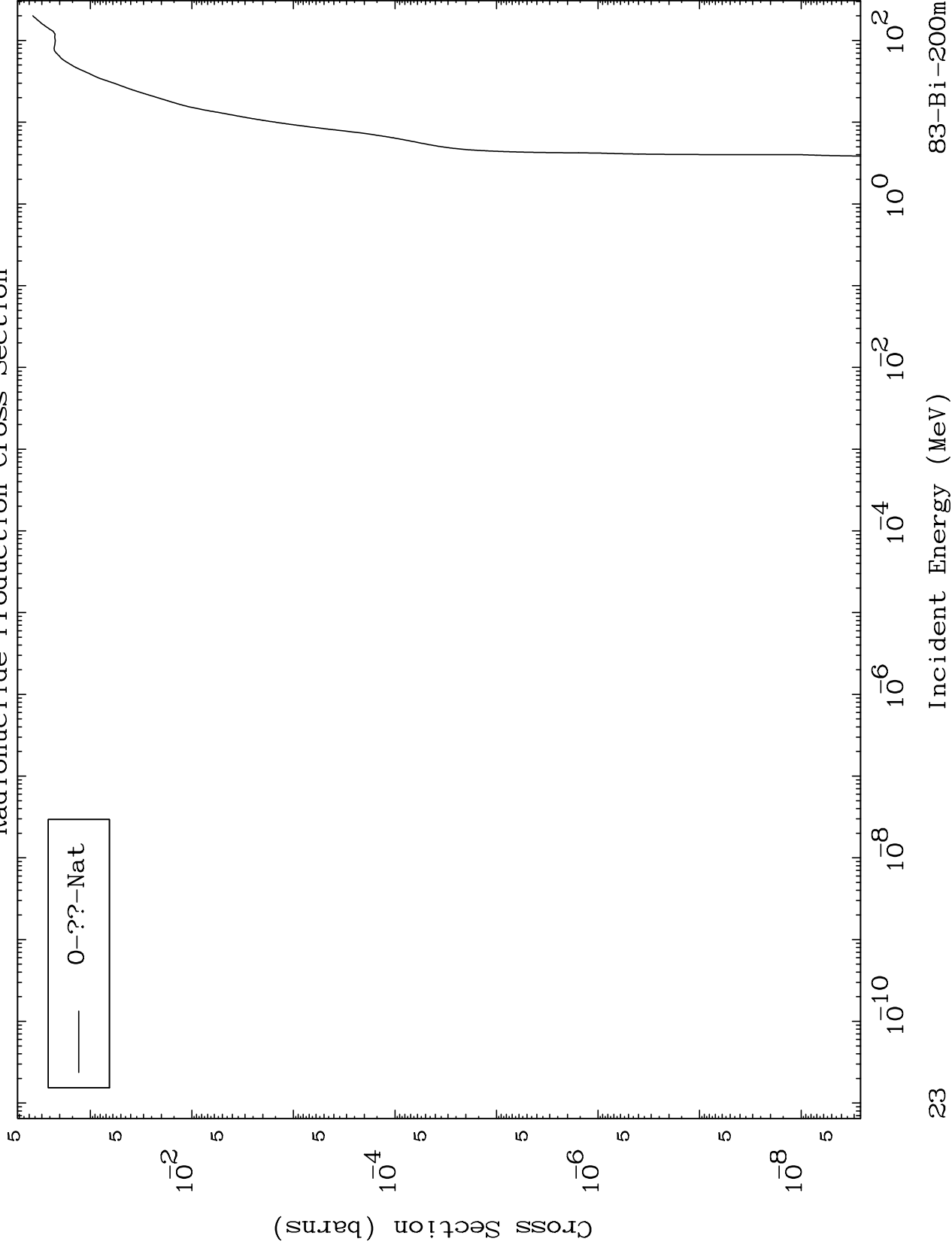
⁸³Bi-200m

MAT 8299

Fission

⁸³Bi-200m

Radionuclide Production Cross Section

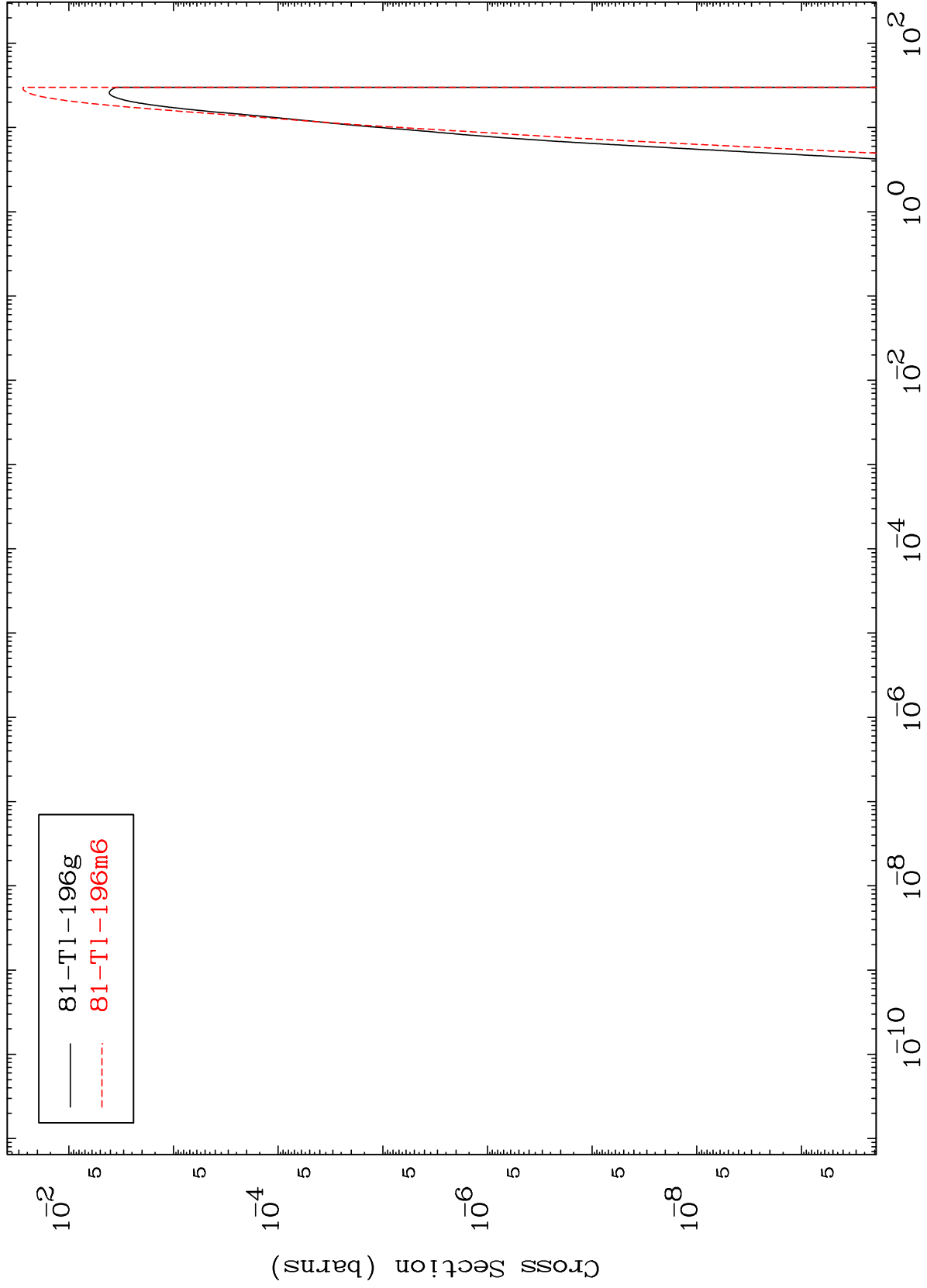


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$(n, n') \alpha$

83-Bi-200m

Radionuclide Production Cross Section



24

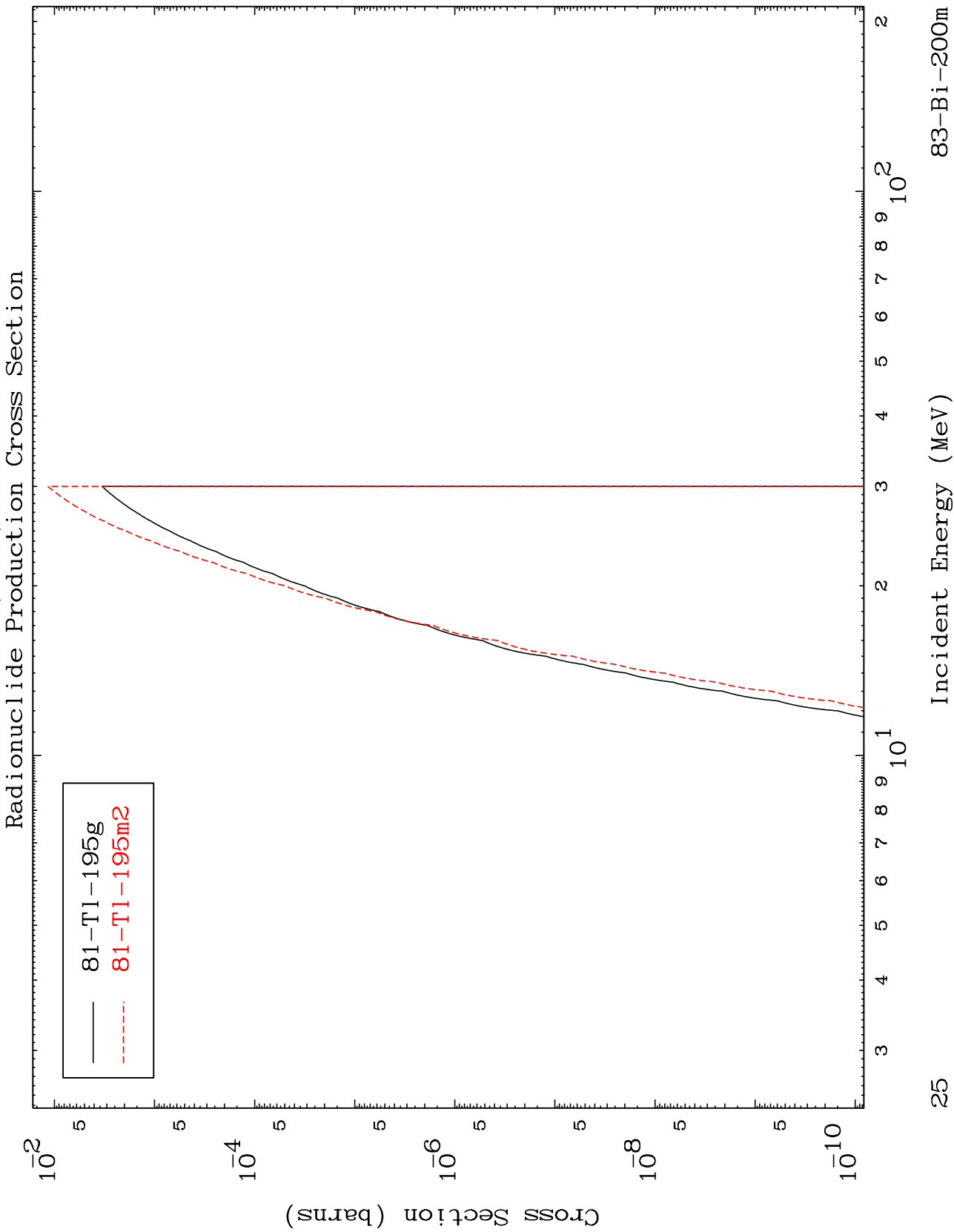
Incident Energy (MeV)

83-Bi-200m

MAT 8299

$(n,2n) \alpha$

$^{83}\text{Bi}-200\text{m}$



25

Incident Energy (MeV)

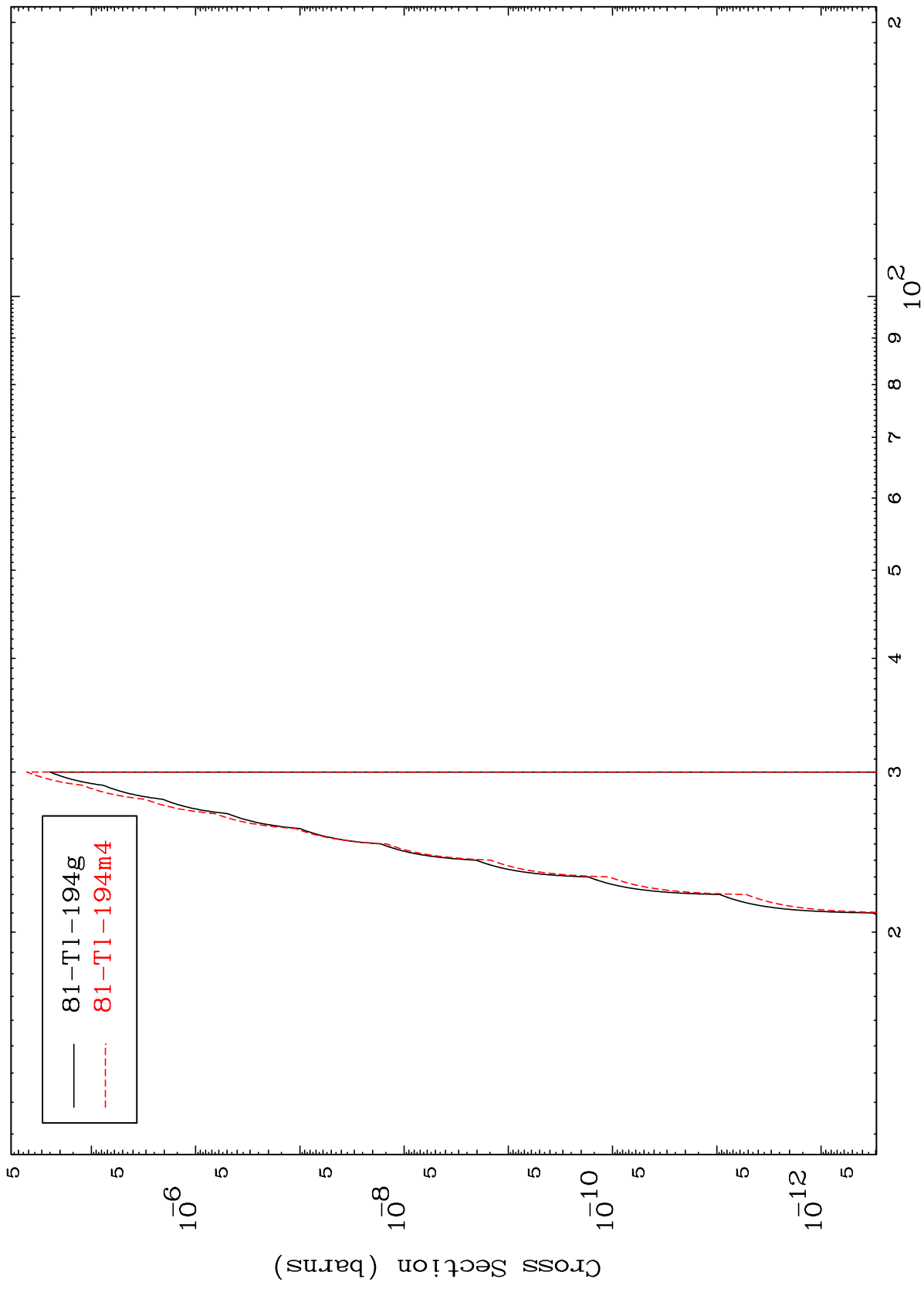
$^{83}\text{Bi}-200\text{m}$

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(n,3n) α

83-Bi-200m

Radionuclide Production Cross Section

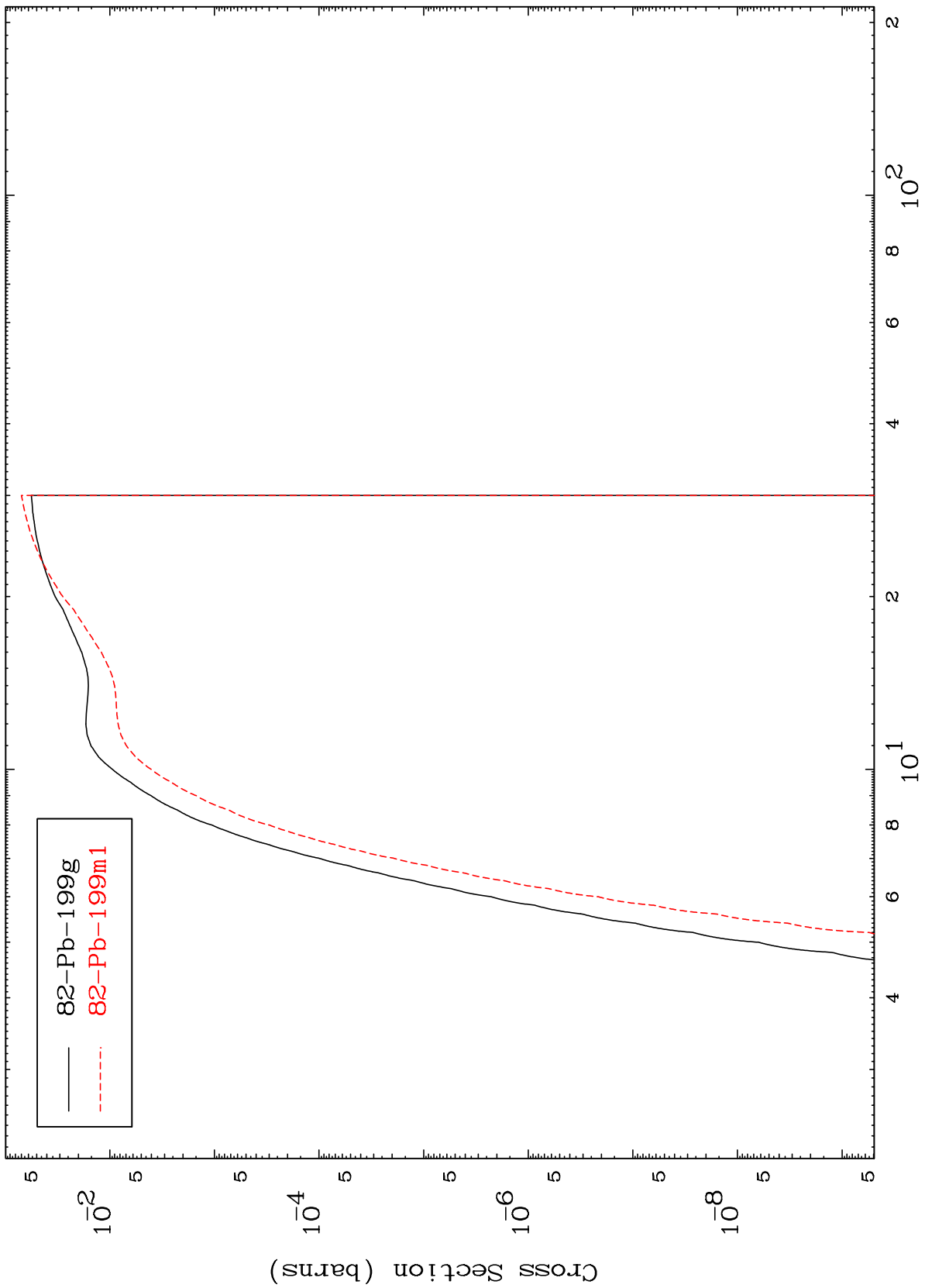


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(n,n') p

83-Bi-200m

Radionuclide Production Cross Section

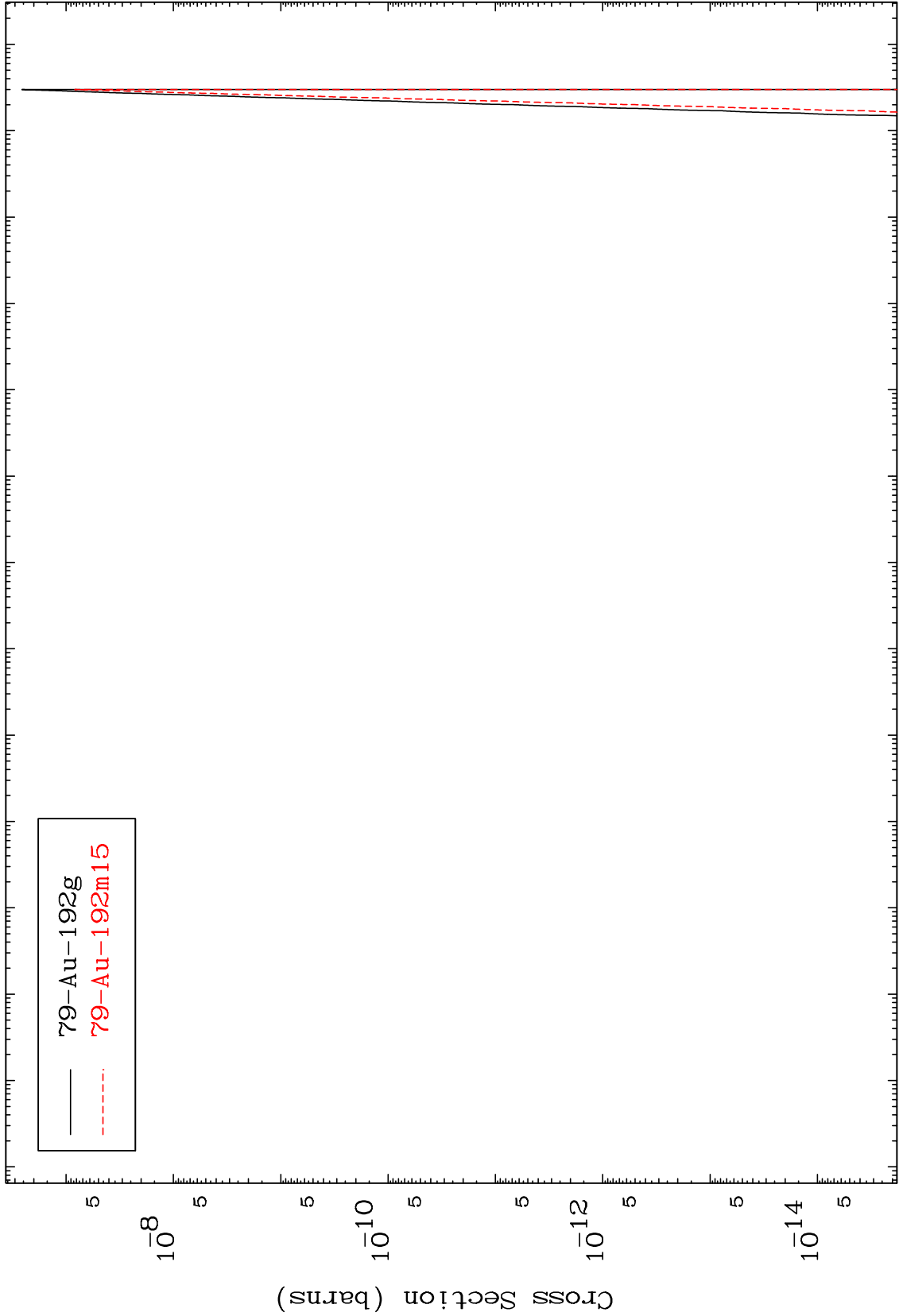
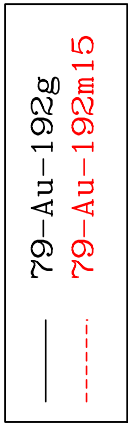


MAT 8299

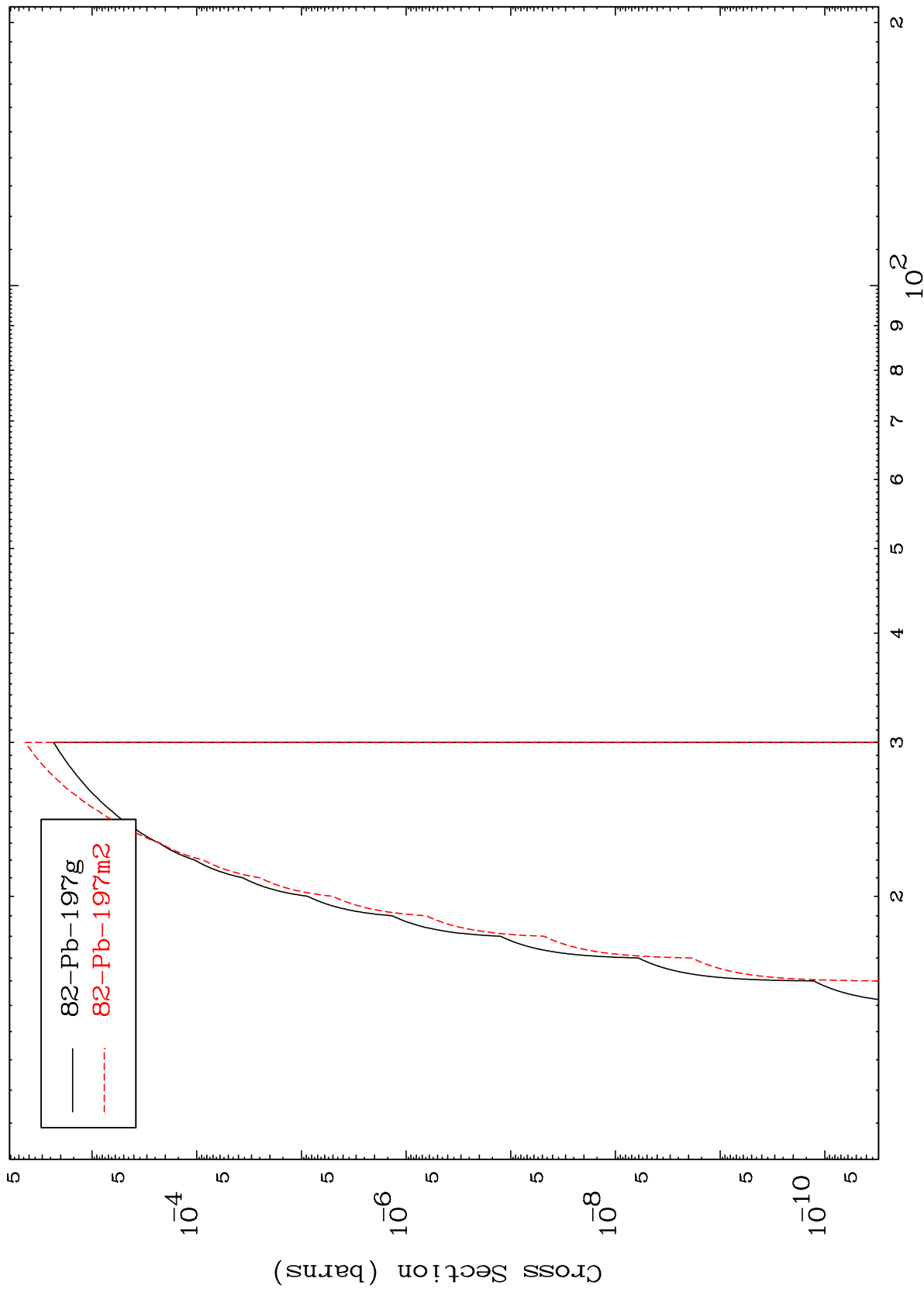
(n,n') 2α

83-Bi-200m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

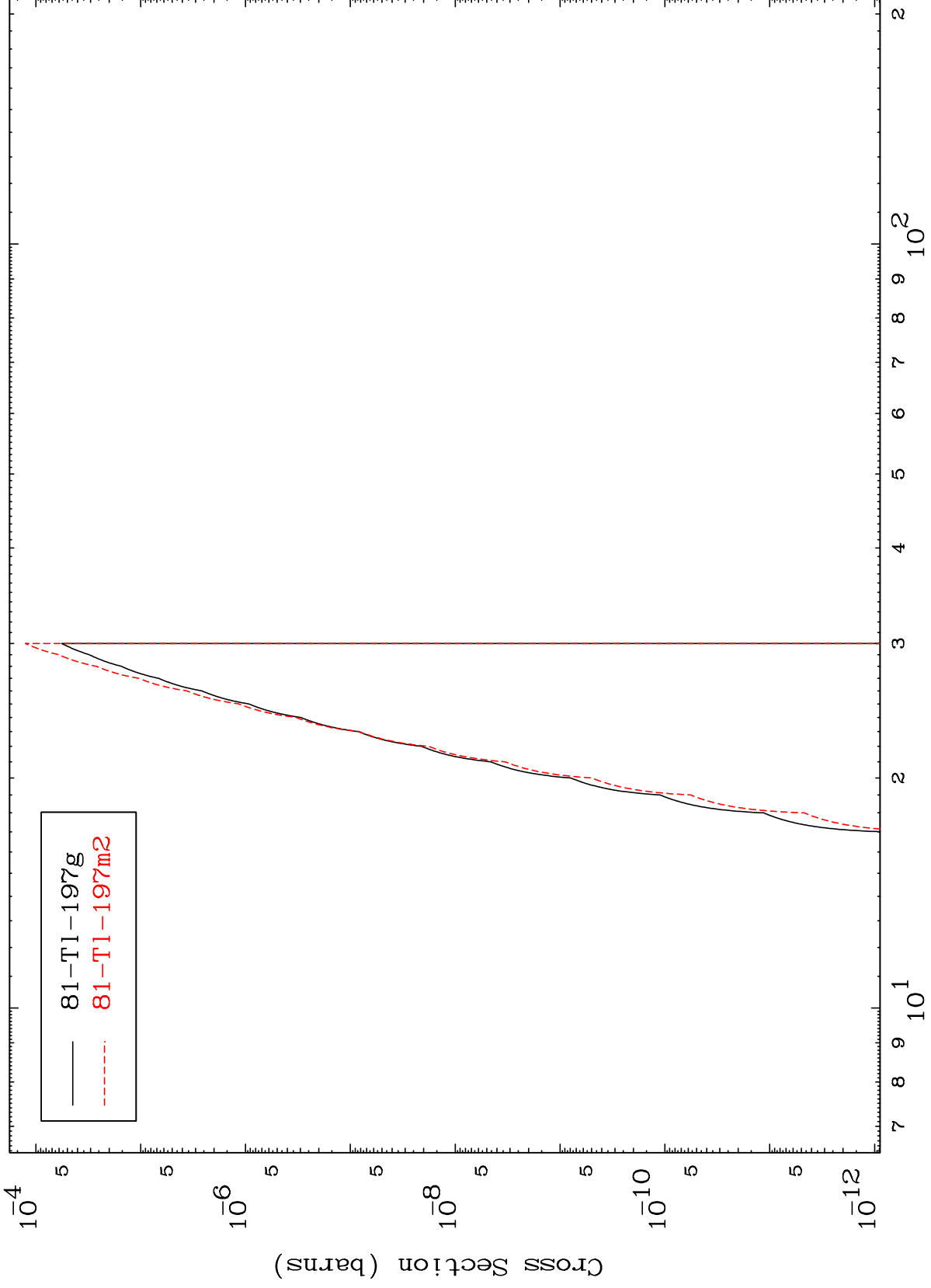


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(n,n') He-3

83-Bi-200m

Radionuclide Production Cross Section



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

30

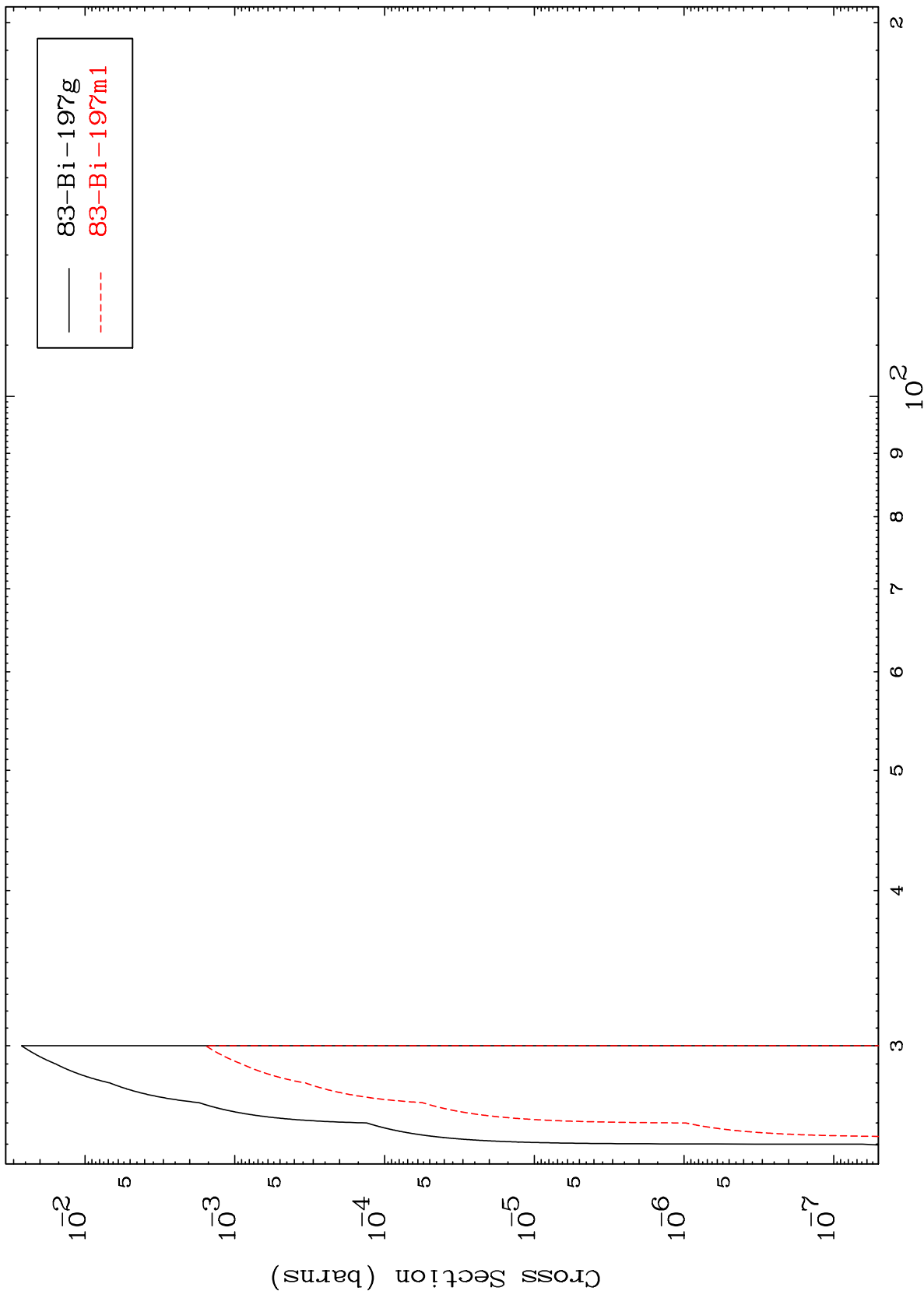
Incident Energy (MeV)

83-Bi-200m

MAT 8299

^{83}Bi -200m

$(n,4n)$
Radionuclide Production Cross Section



31

Incident Energy (MeV)

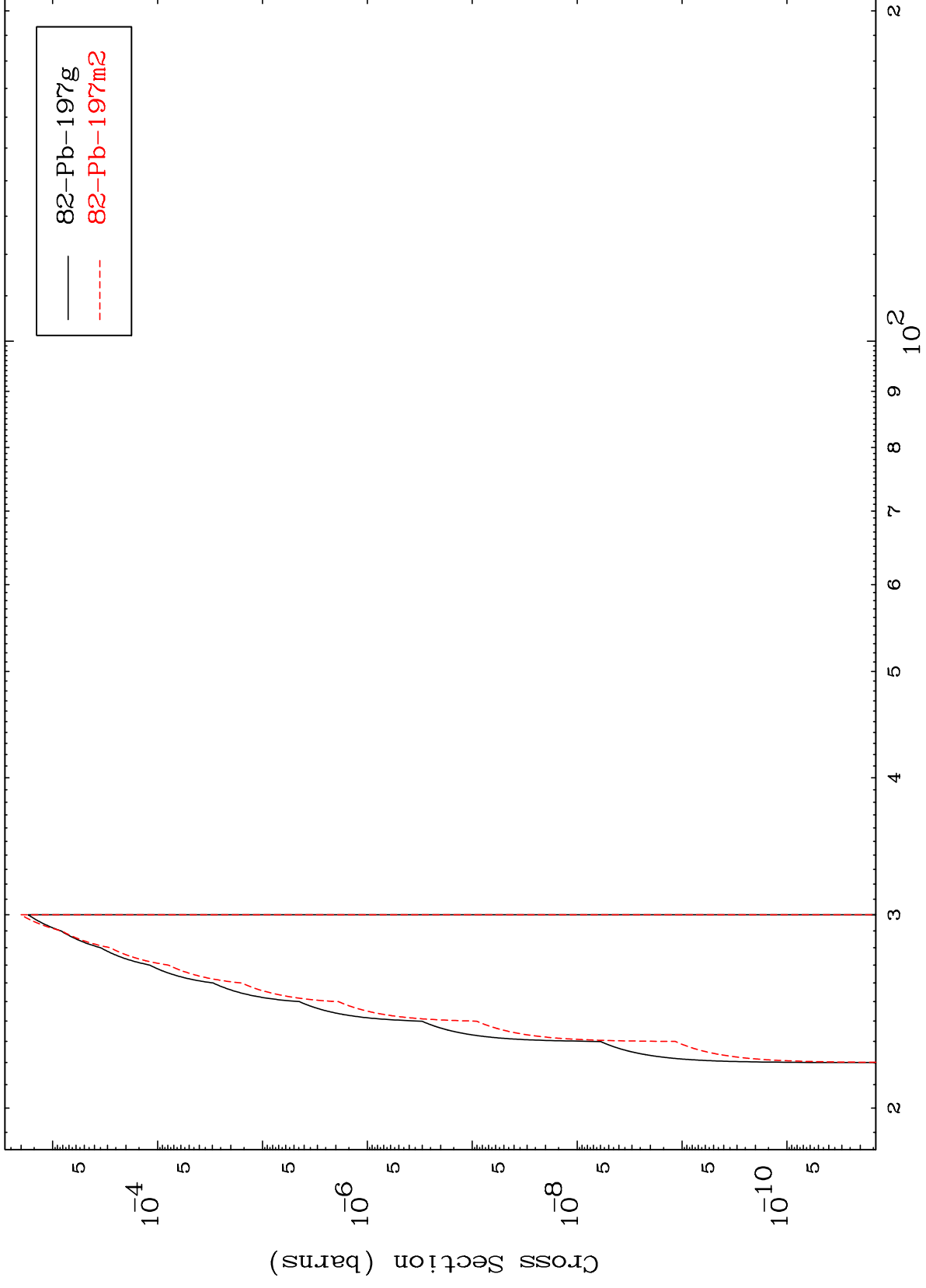
^{83}Bi -200m

MAT 8299

(n,3n) p

83-Bi-200m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

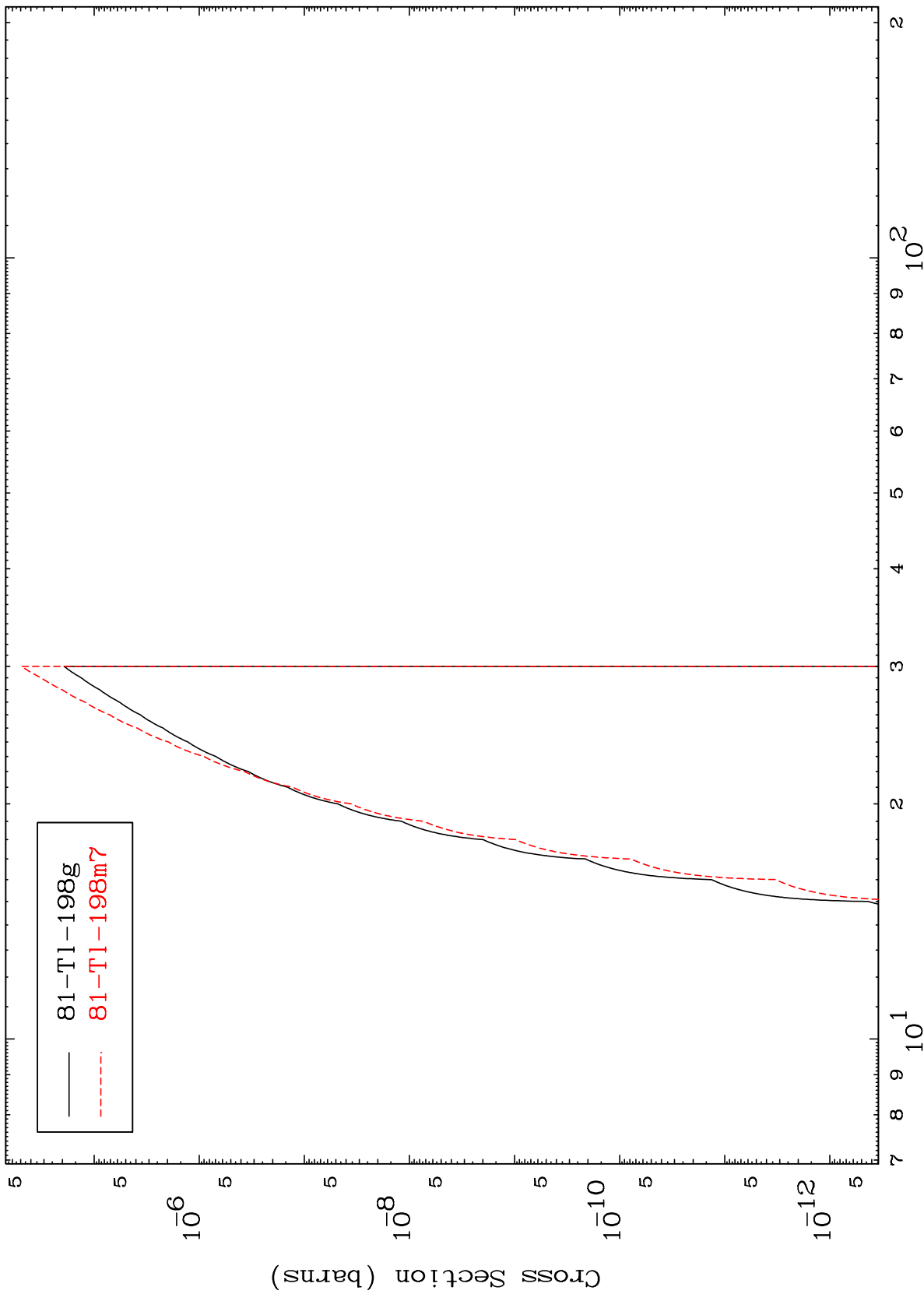
83-Bi-200m

MAT 8299

$(n,2n)$ p

^{83}Bi -200m

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

Incident Energy (MeV)

^{83}Bi -200m

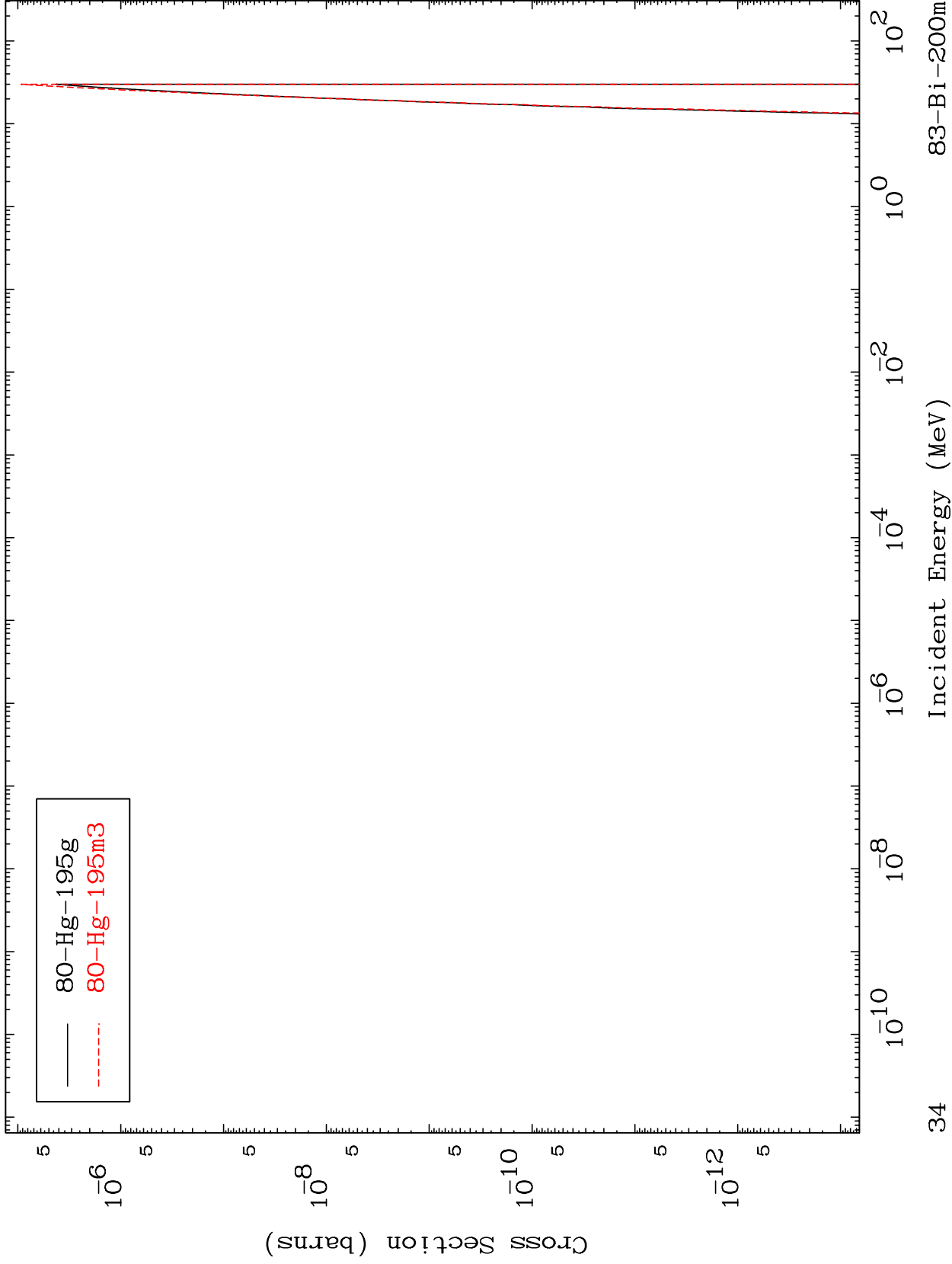
33

MAT 8299

(n,n') p α

83-Bi-200m

Radionuclide Production Cross Section



34

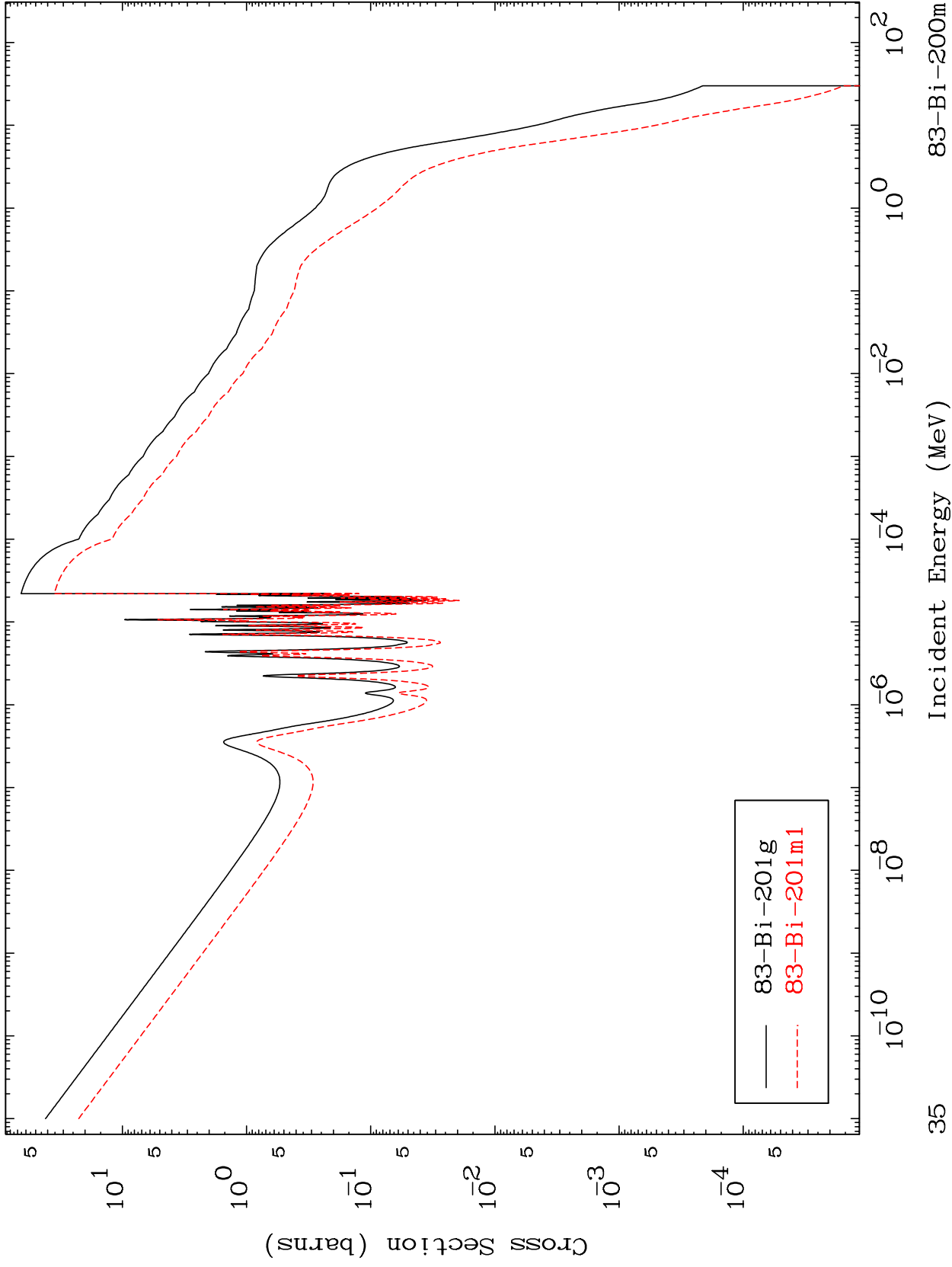
Incident Energy (MeV)

83-Bi-200m

MAT 8299

⁸³Bi-200m

Radionuclide Production Cross Section
(n, γ)

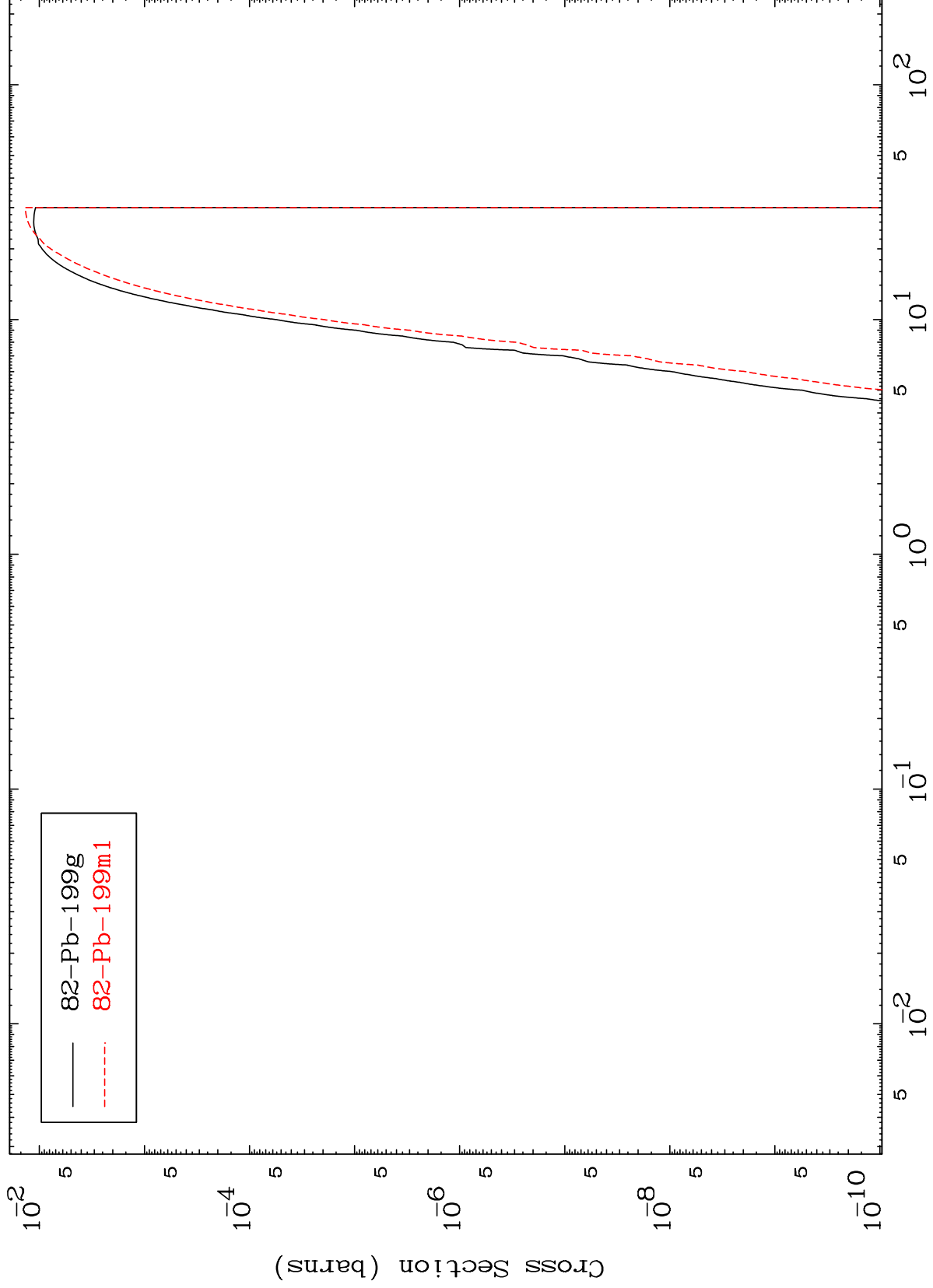


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(n,d)

83-Bi-200m

Radionuclide Production Cross Section



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

Incident Energy (MeV)

83-Bi-200m

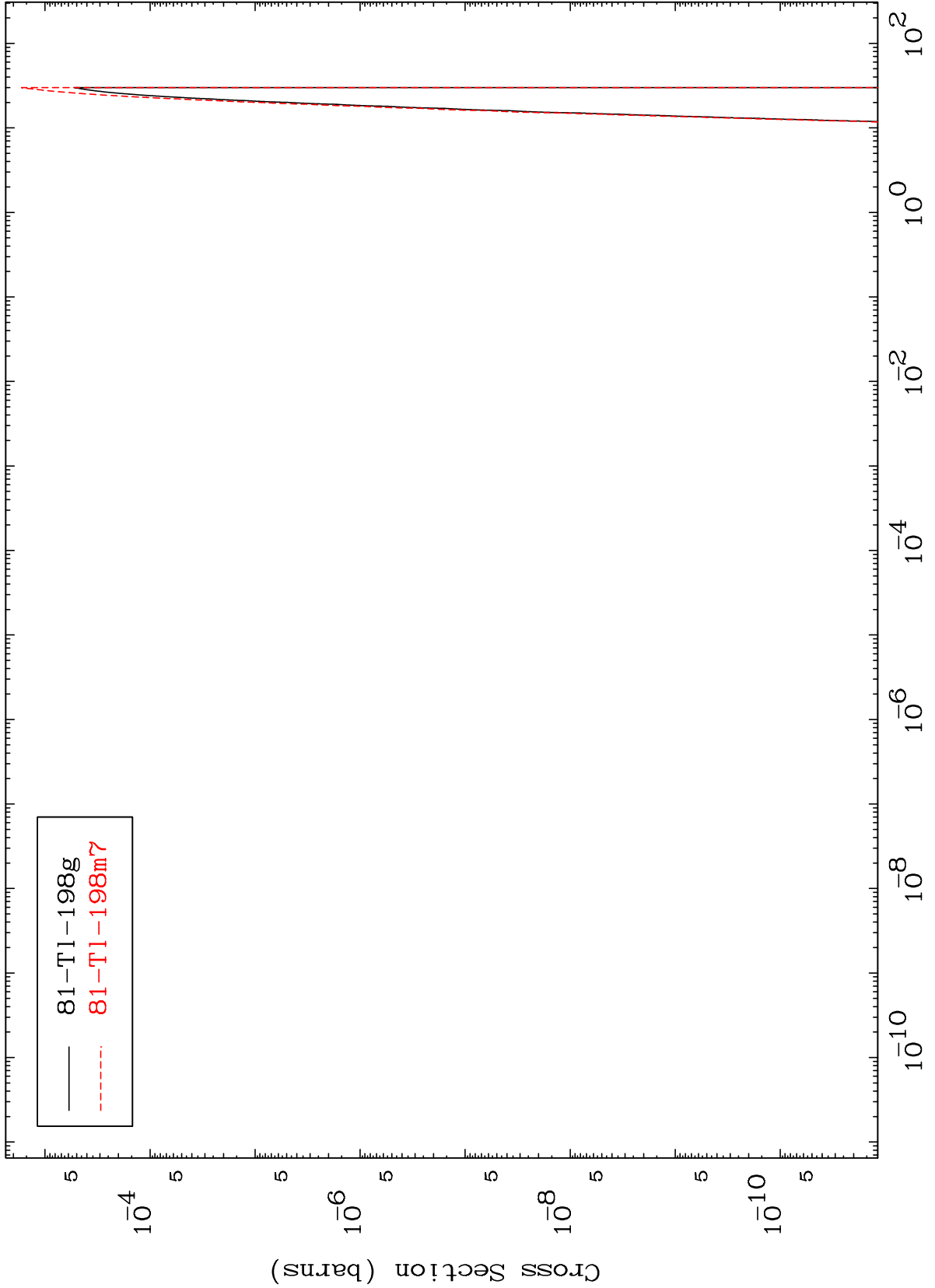
36

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(n,He-3)

83-Bi-200m

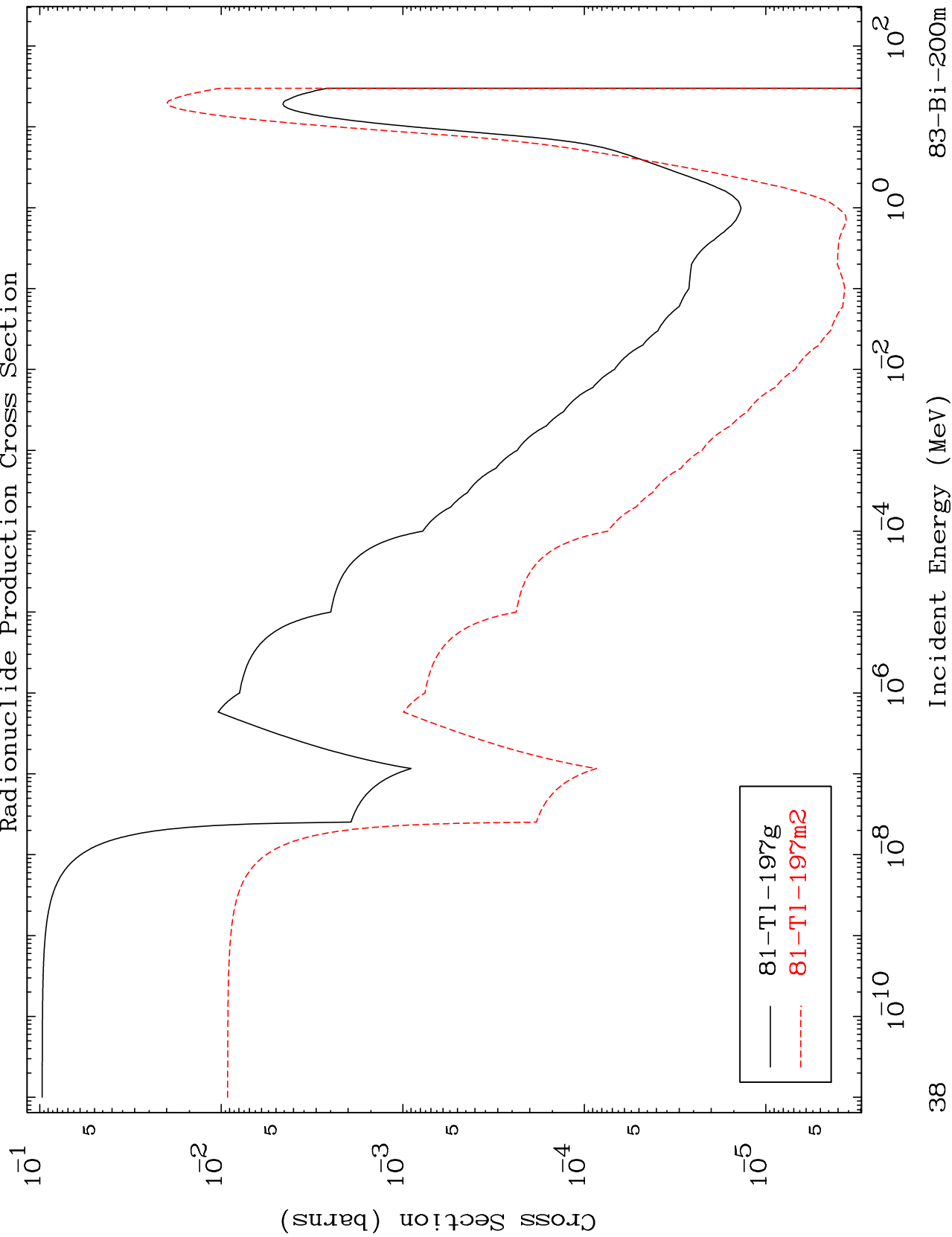
Radionuclide Production Cross Section



MAT 8299

83-Bi-200m

Radionuclide Production Cross Section

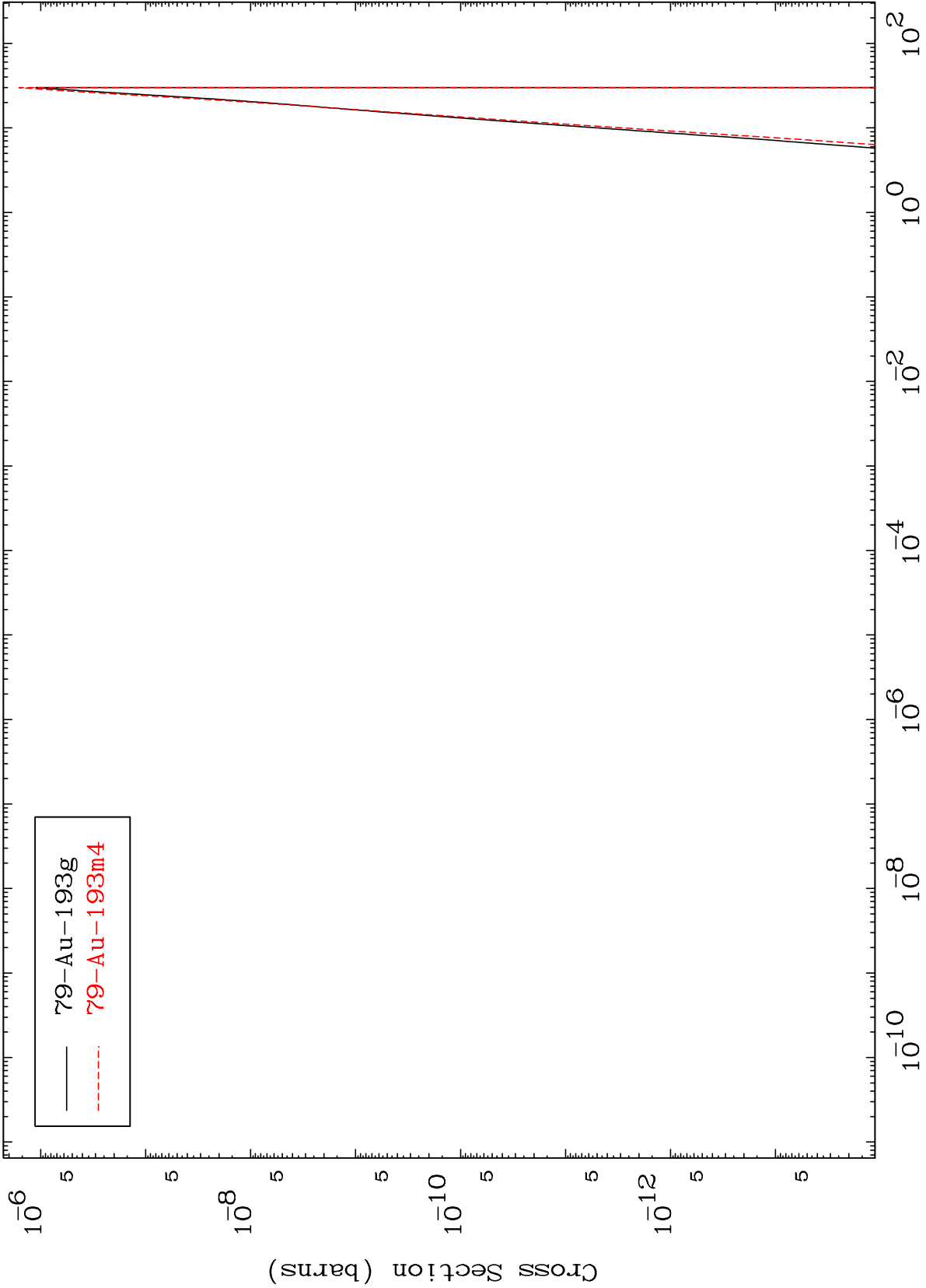


MAT 8299

(n,2α)

83-Bi-200m

Radionuclide Production Cross Section



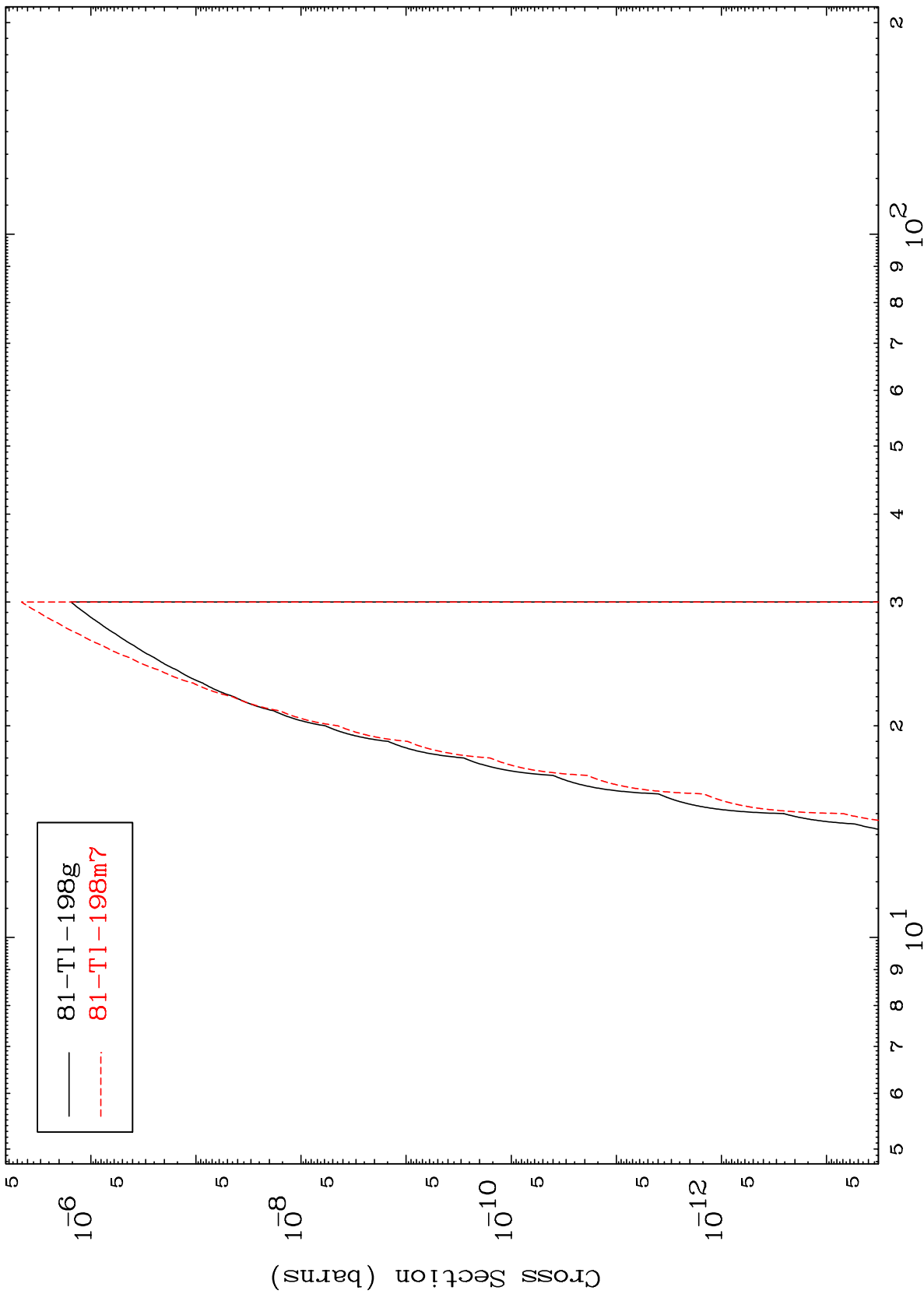
— 79-Au-193g
- - - 79-Au-193m4

MAT 8299

(n,p) d

83-Bi-200m

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

Incident Energy (MeV)

83-Bi-200m

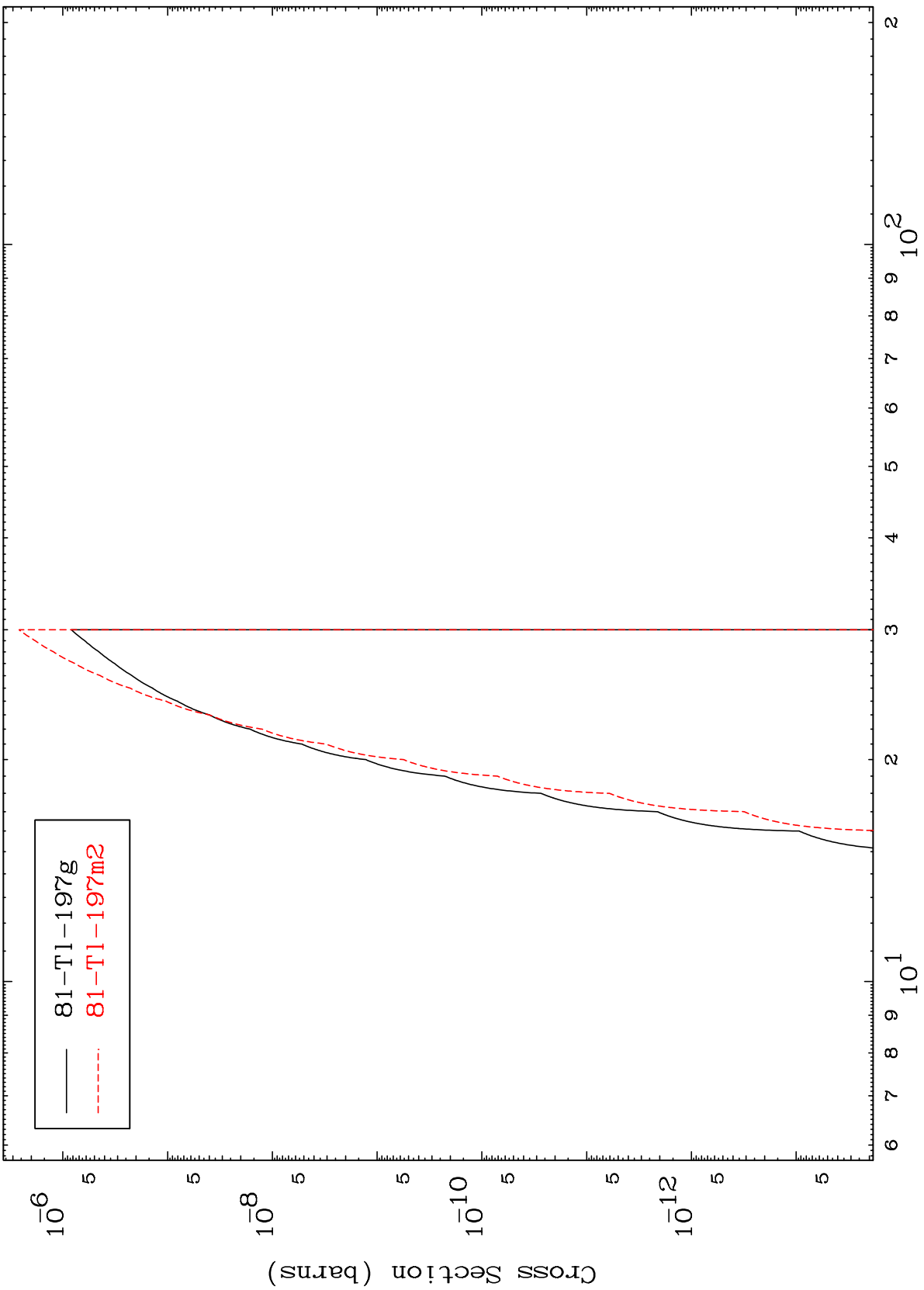
40

MAT 8299

(n,p) t

83-Bi-200m

Radionuclide Production Cross Section



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

MAT 8299

(n,d) α

83-Bi-200m

Radionuclide Production Cross Section

