

Program EVALPLOT
(Version 2018-1)

by

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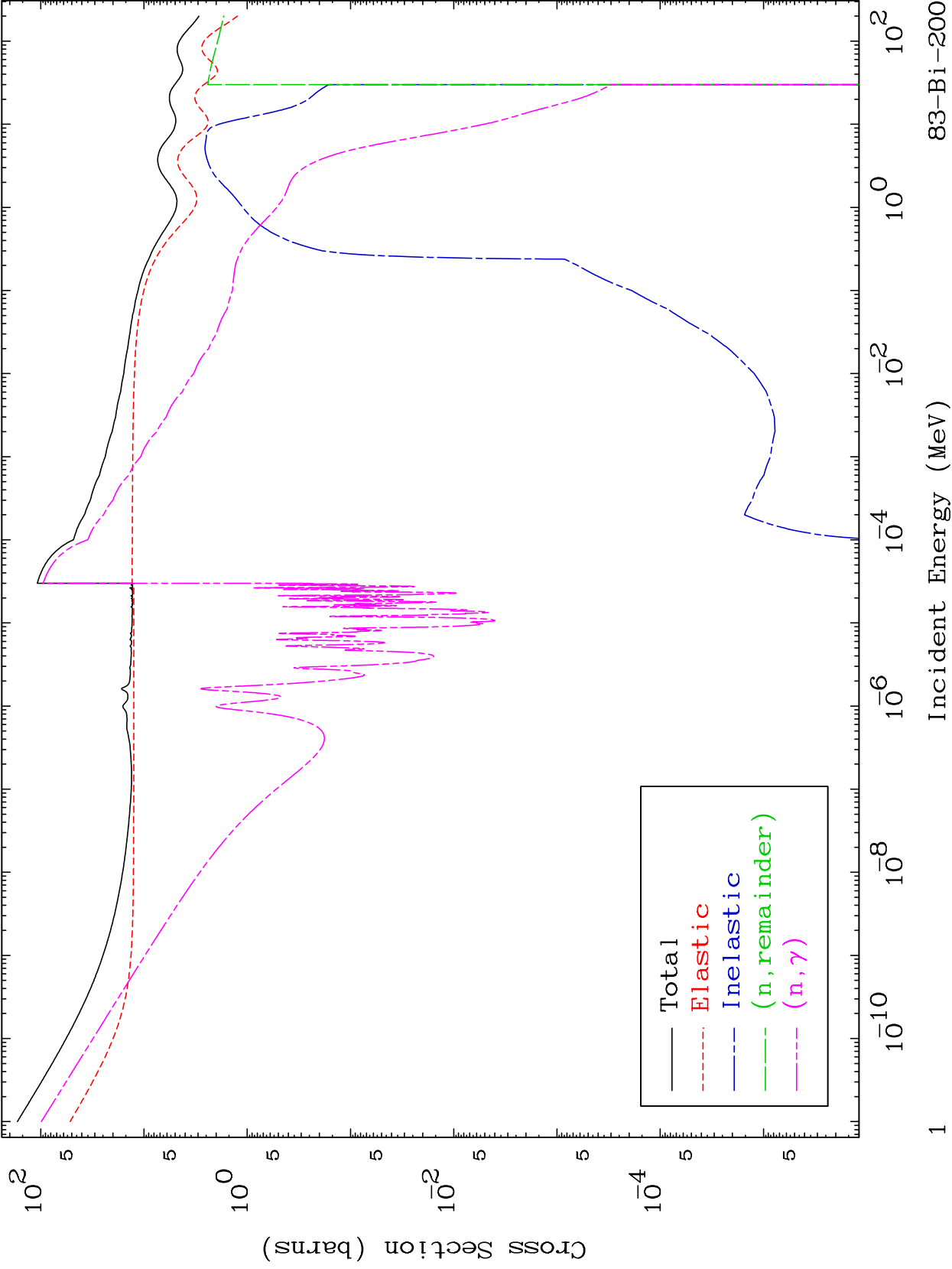
Press Mouse Button to Start

MAT 8299

Major

293 Kelvin Cross Sections

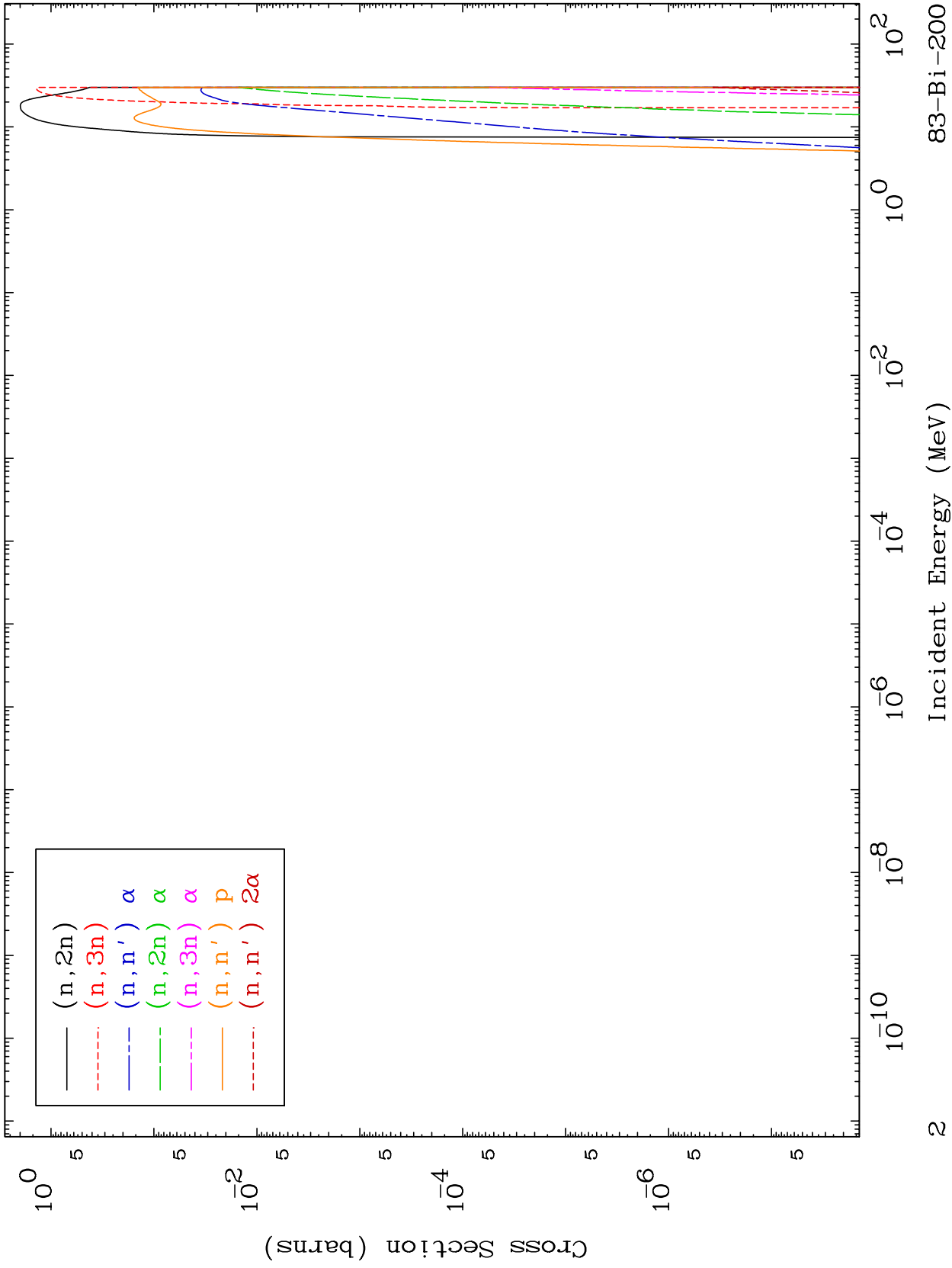
83-Bi-200



MAT 8299

Neutron Production
293 Kelvin Cross Sections

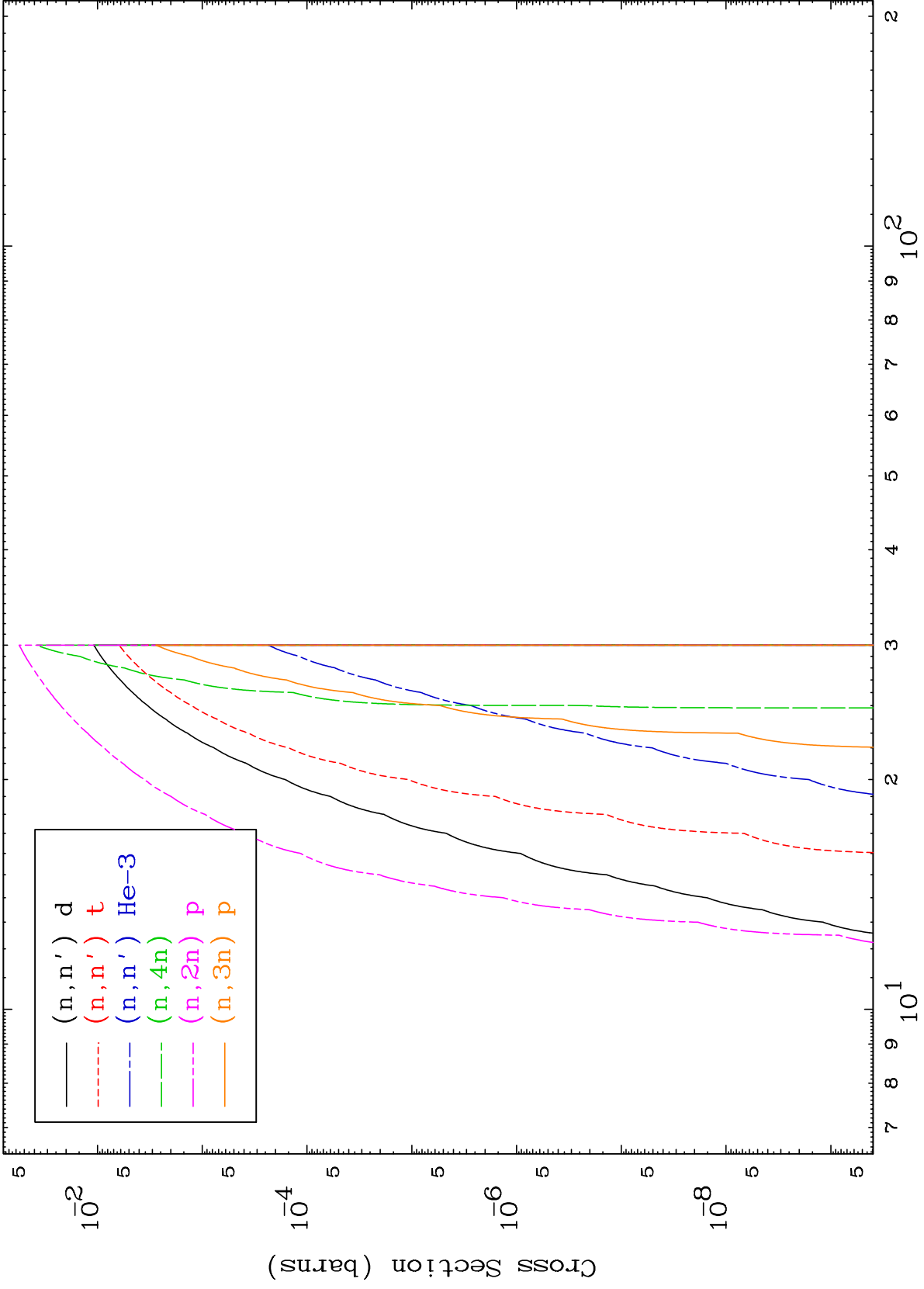
83-Bi-200



MAT 8299

Neutron Production
293 Kelvin Cross Sections

83-Bi-200



3

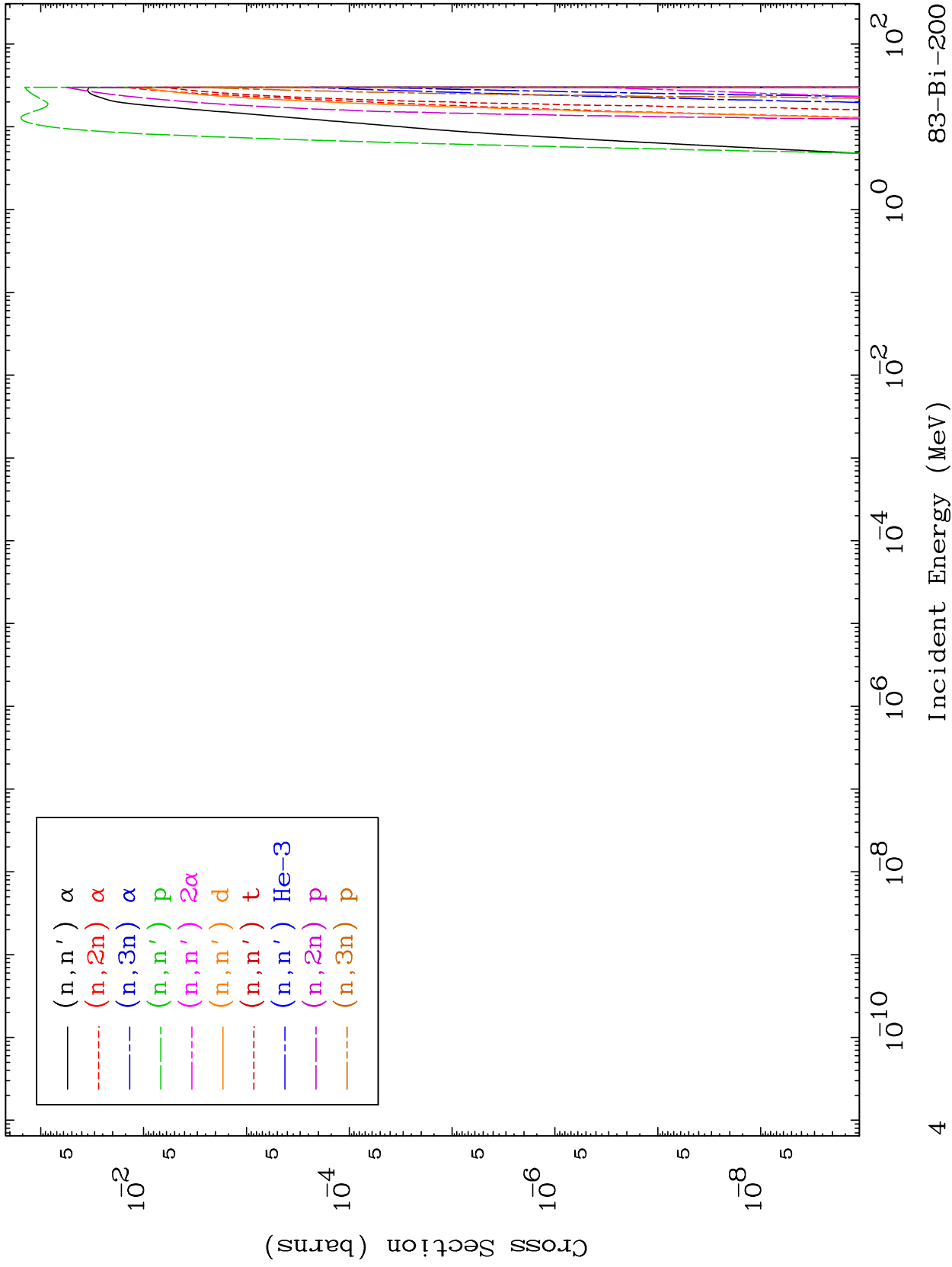
Incident Energy (MeV)

83-Bi-200

MAT 8299

Charged Particle
293 Kelvin Cross Sections

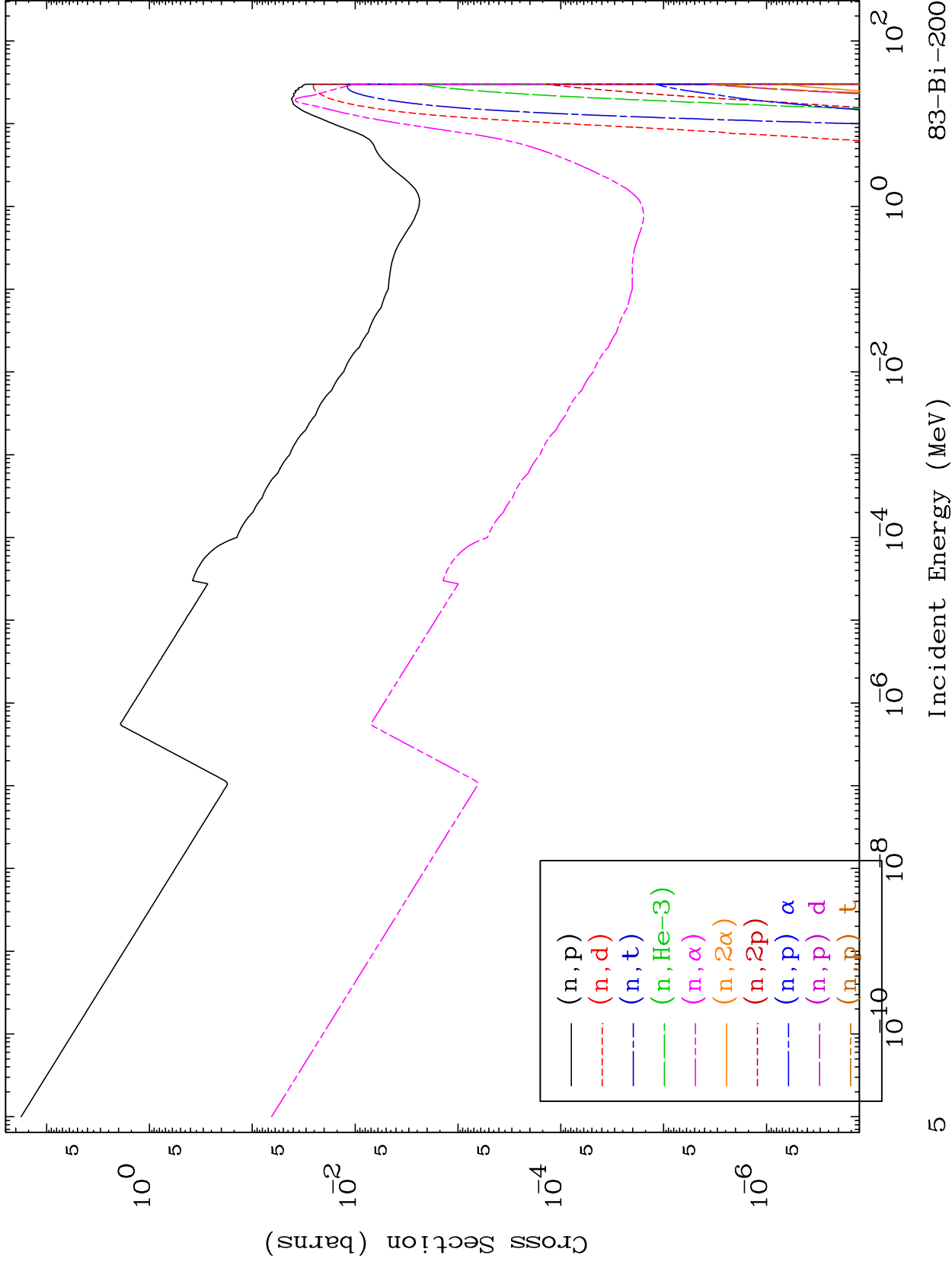
83-Bi-200



MAT 8299

Charged Particle
293 Kelvin Cross Sections

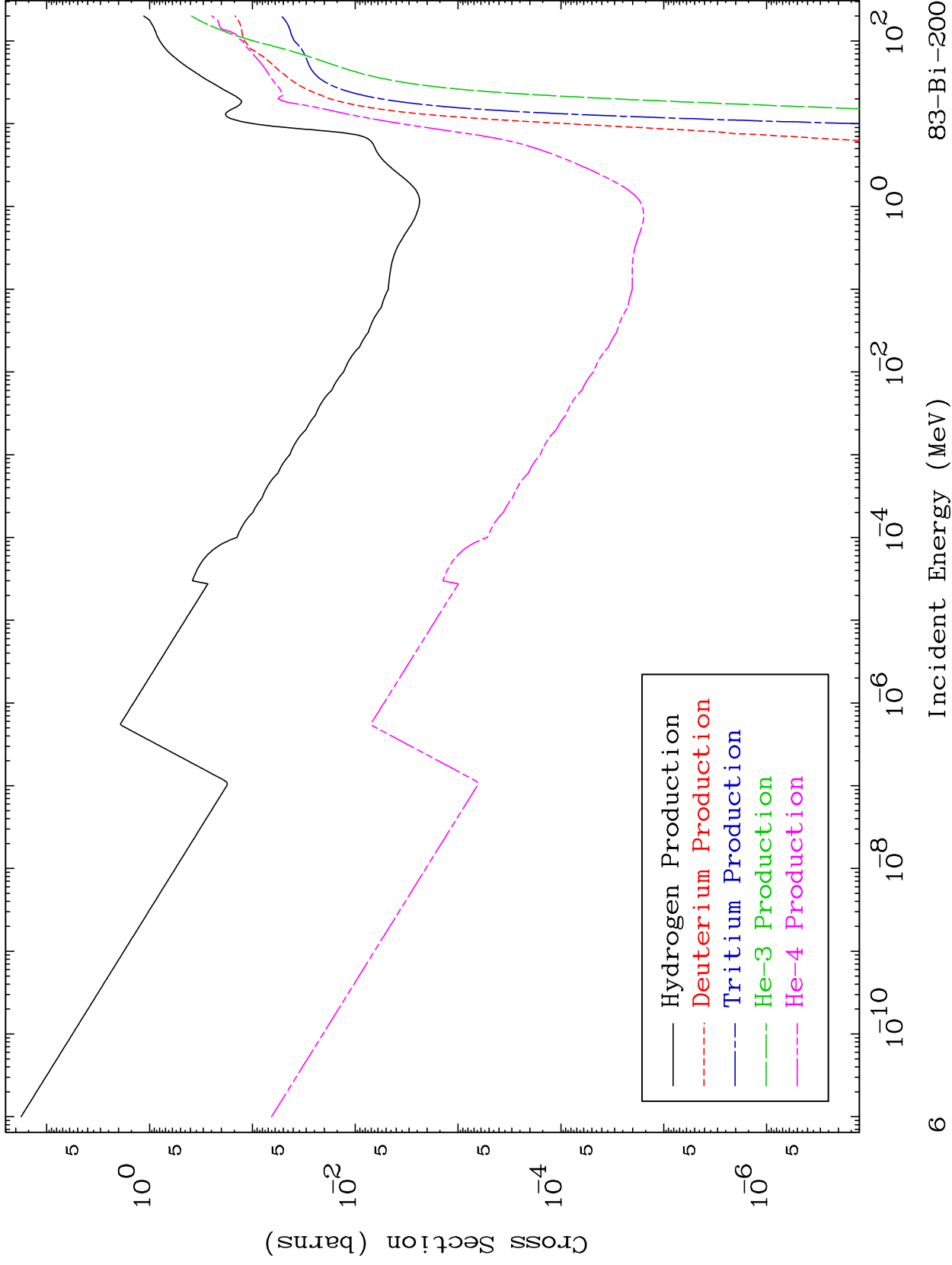
83-Bi-200



MAT 8299

Particle Production
293 Kelvin Cross Sections

83-Bi-200

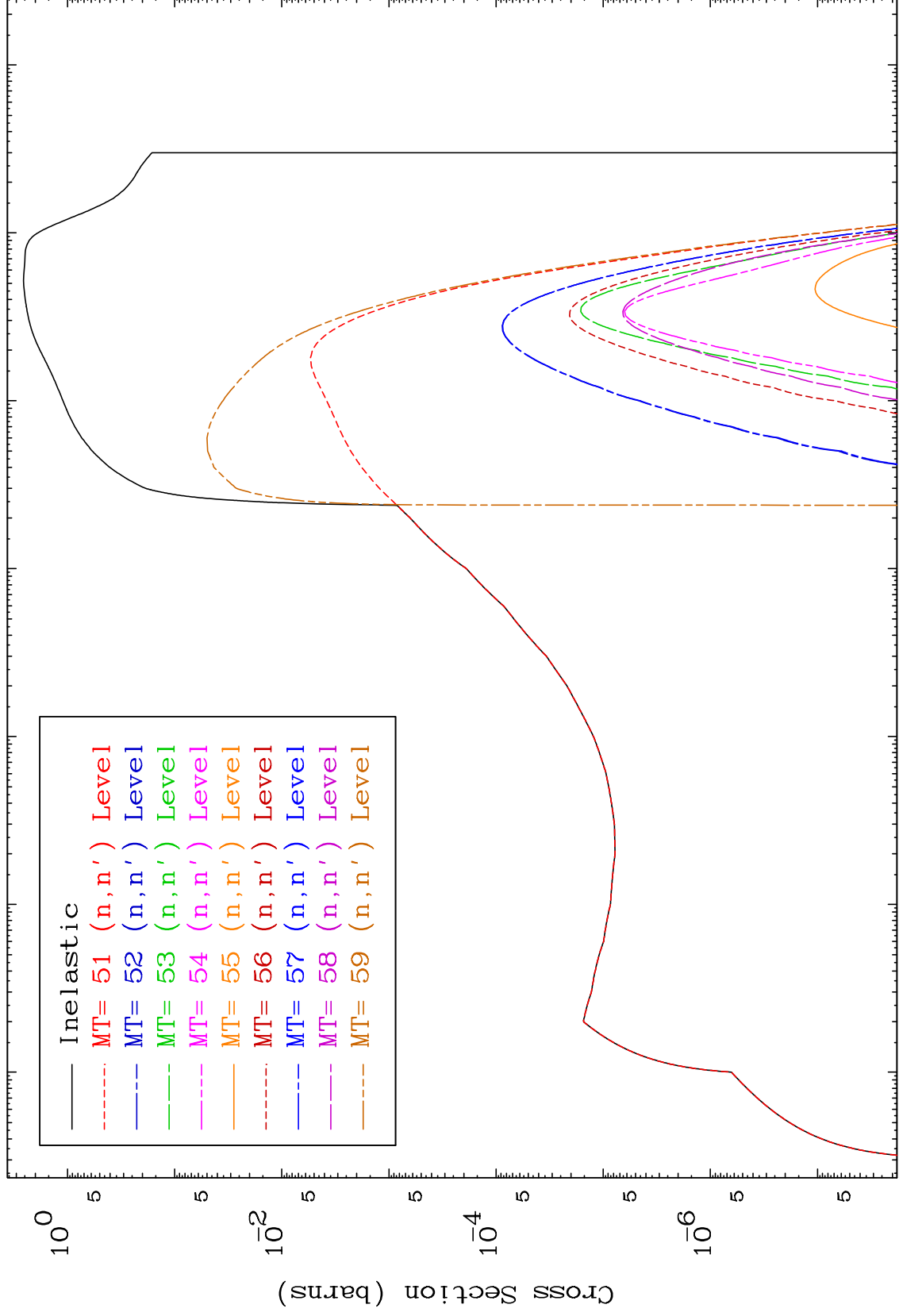


MAT 8299

(n,n') Level

83-Bi-200

293 Kelvin Cross Sections



10⁰

10¹

10⁰

10⁻¹

10⁻²

10⁻³

10⁻⁴

10⁻⁶

10⁻⁵

83-Bi-200

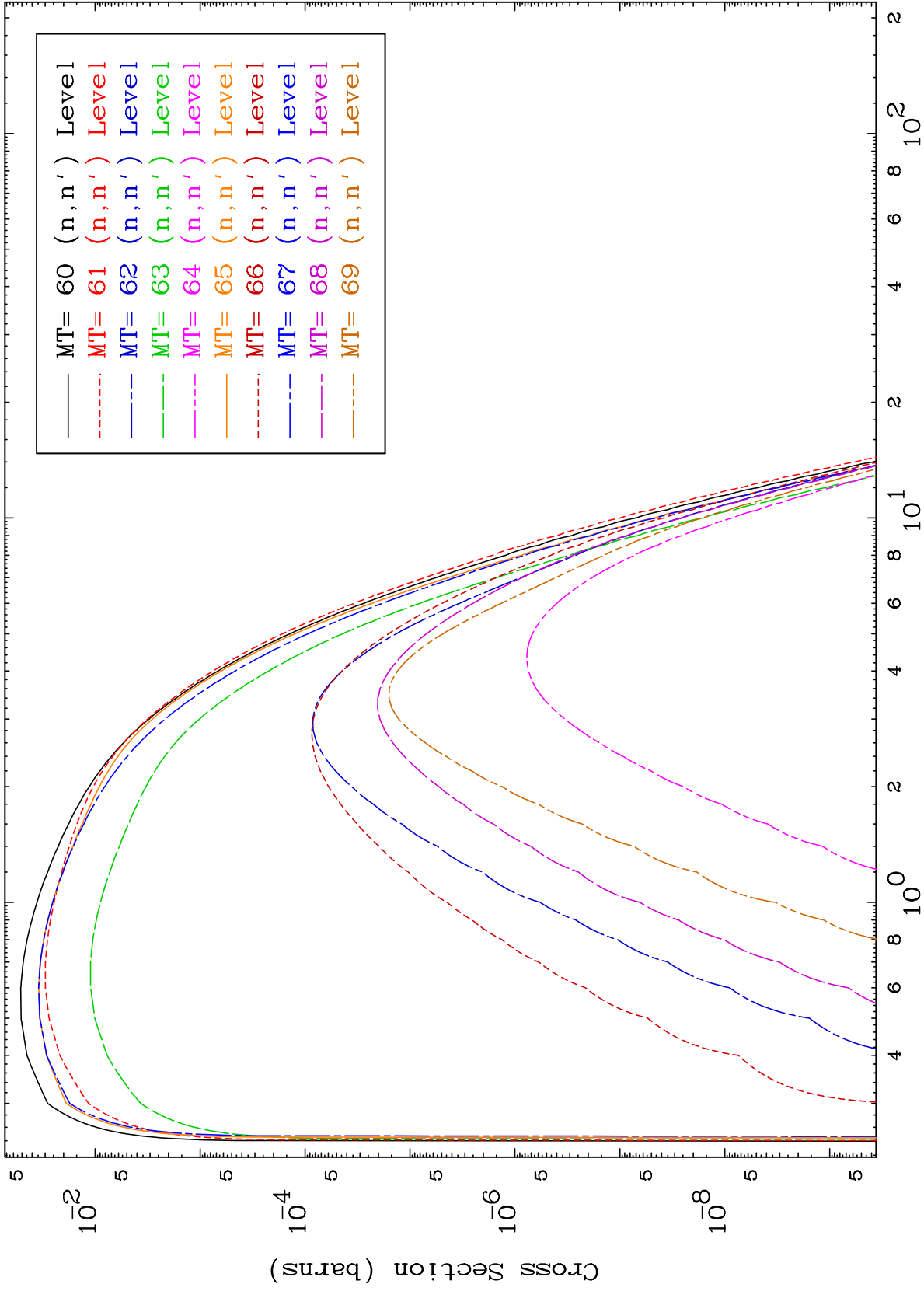
Incident Energy (MeV)

MAT 8299

(n,n') Level

83-Bi-200

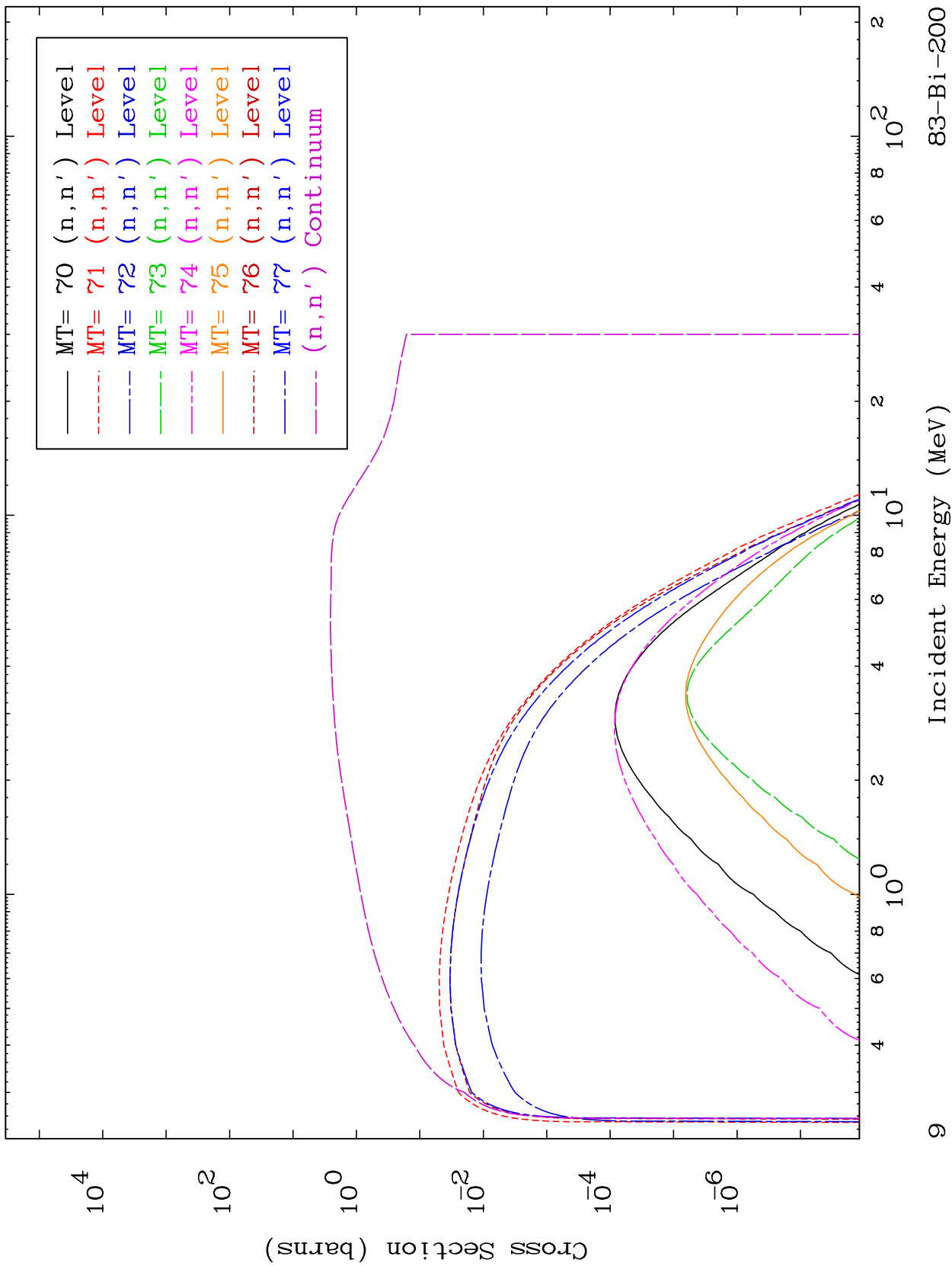
293 Kelvin Cross Sections



8

Incident Energy (MeV)

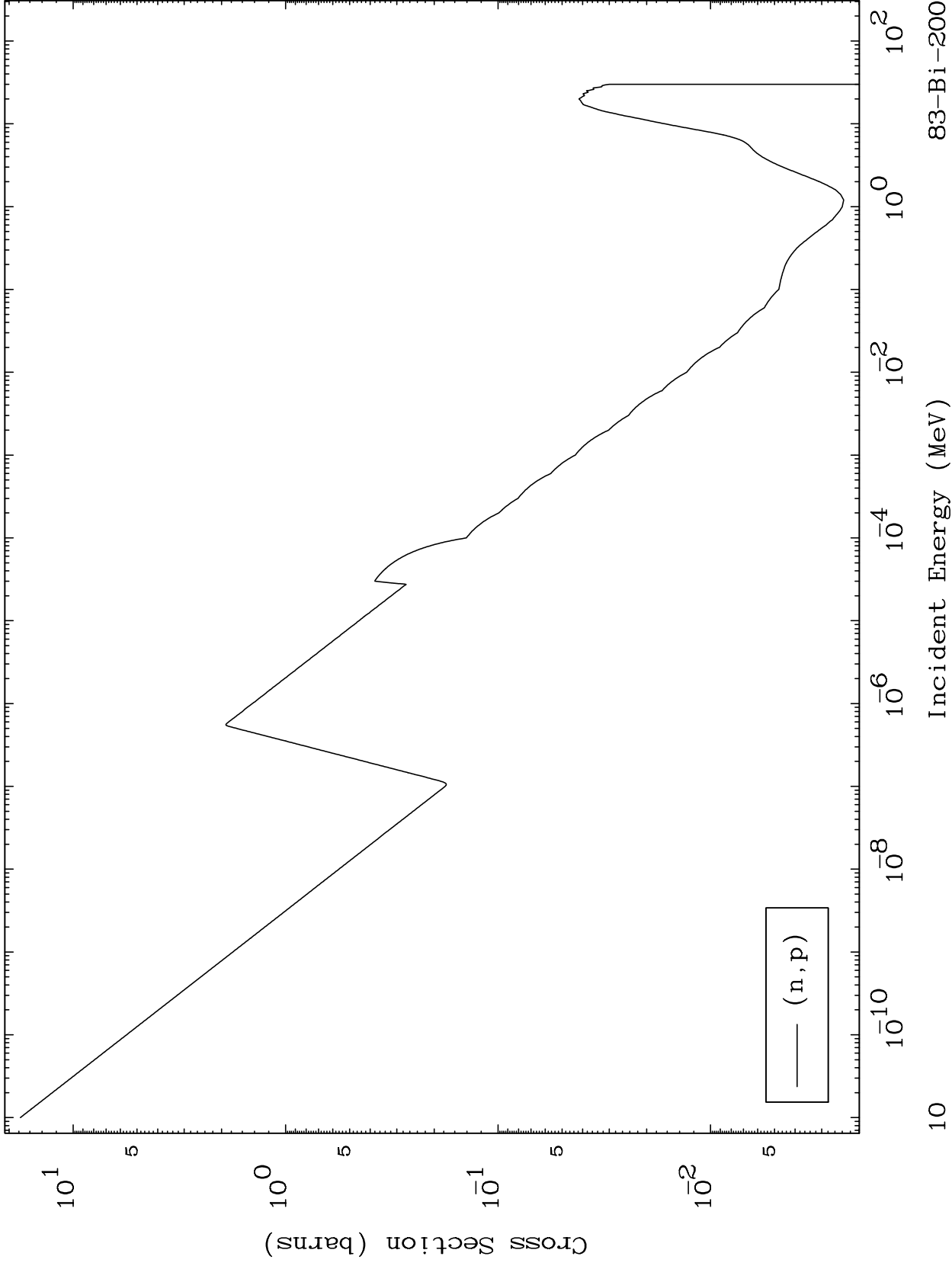
83-Bi-200



MAT 8299

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-200



10

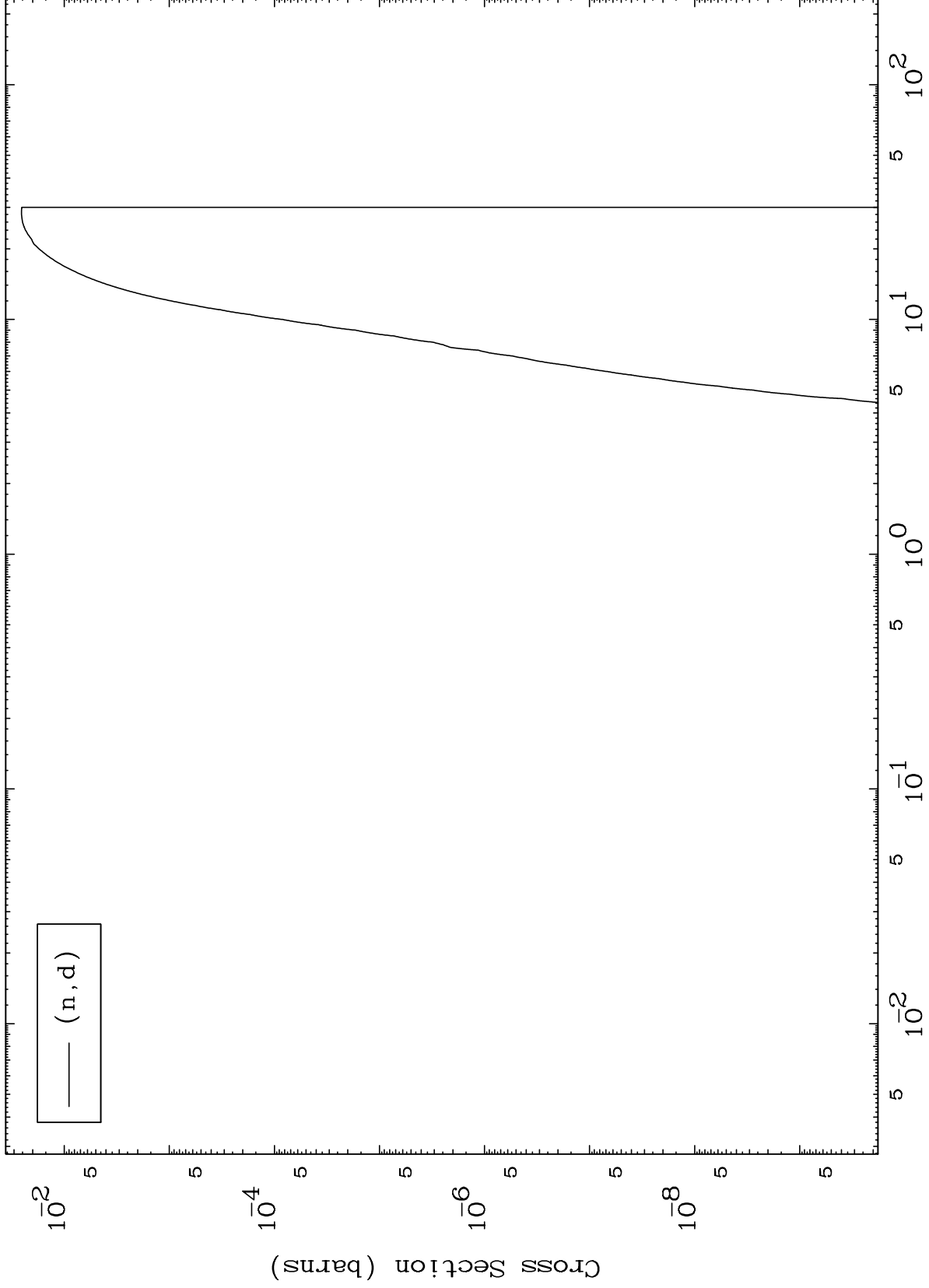
Incident Energy (MeV)

83-Bi-200

MAT 8299

(n,d) Levels
293 Kelvin Cross Sections

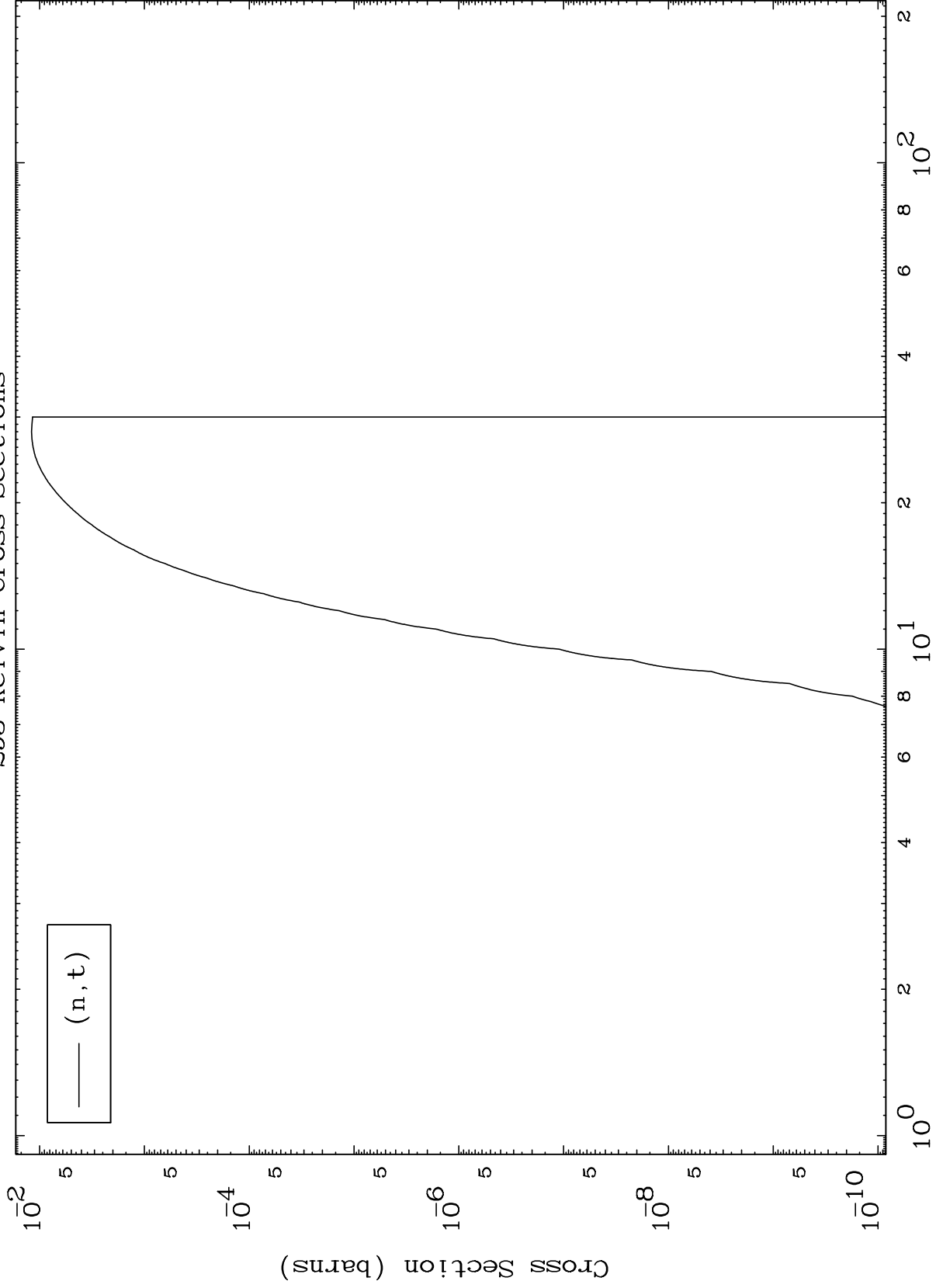
83-Bi-200



MAT 8299

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-200



Incident Energy (MeV)

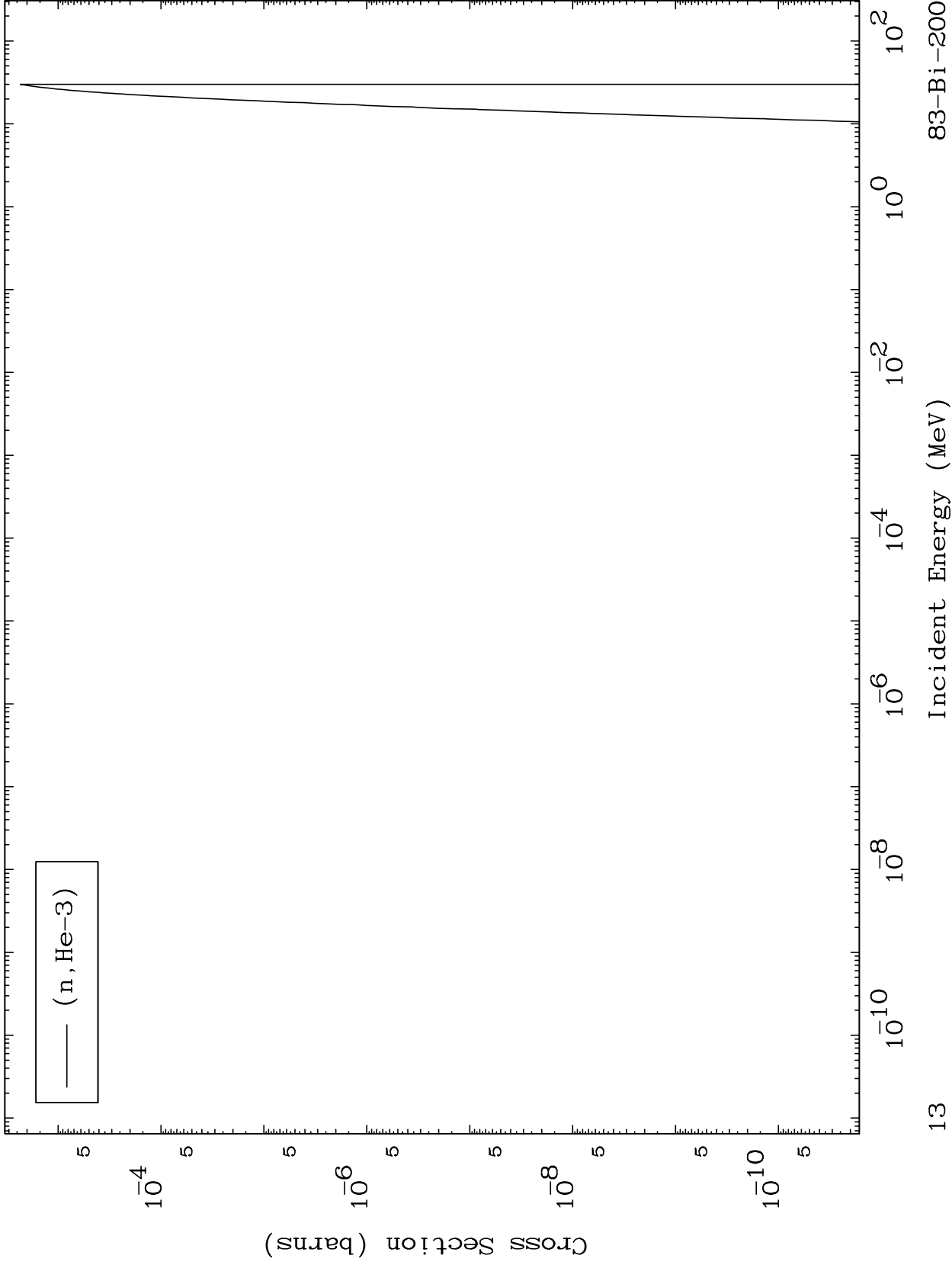
83-Bi-200

12

MAT 8299

(n,He3) Levels
293 Kelvin Cross Sections

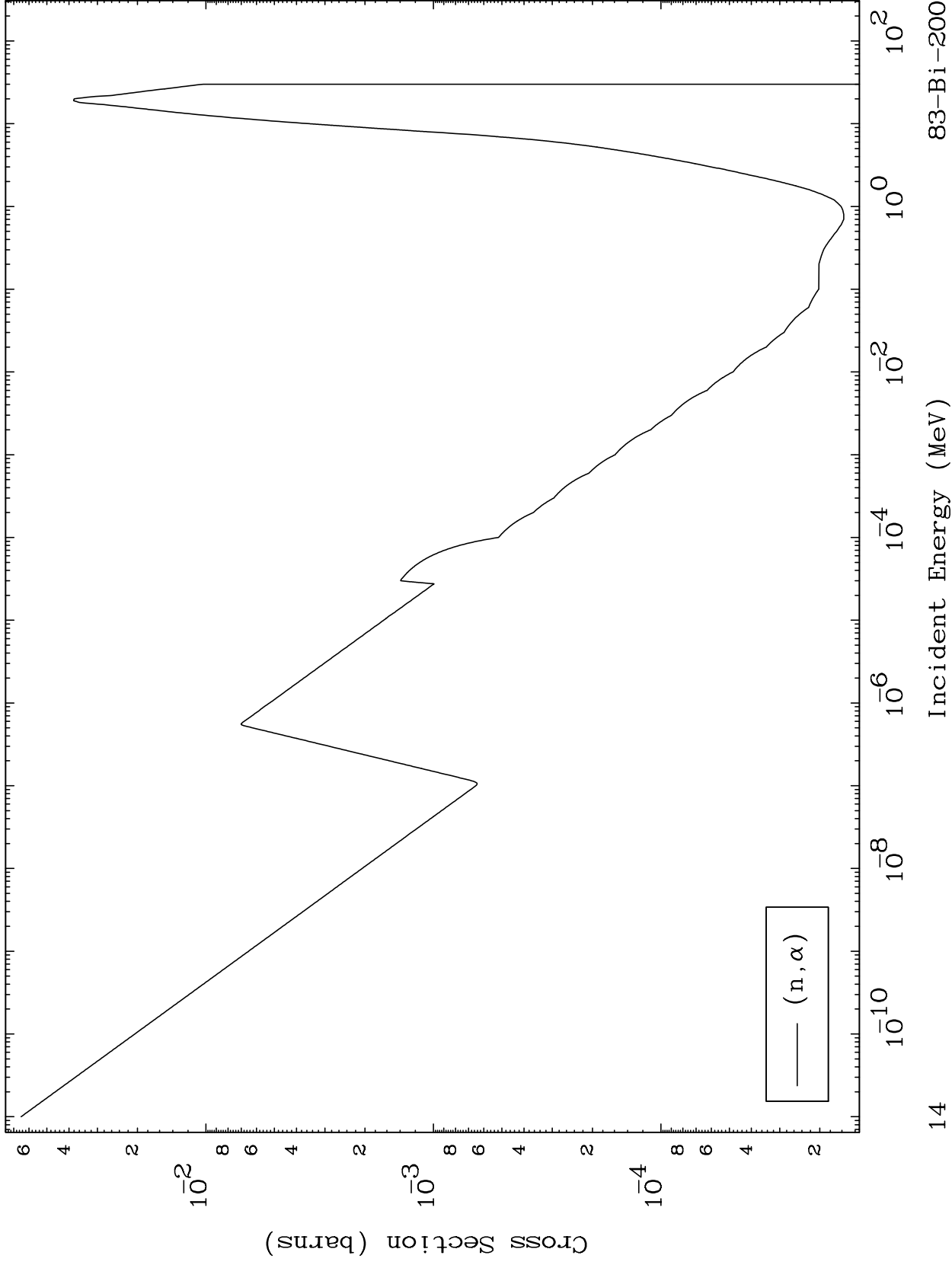
83-Bi-200



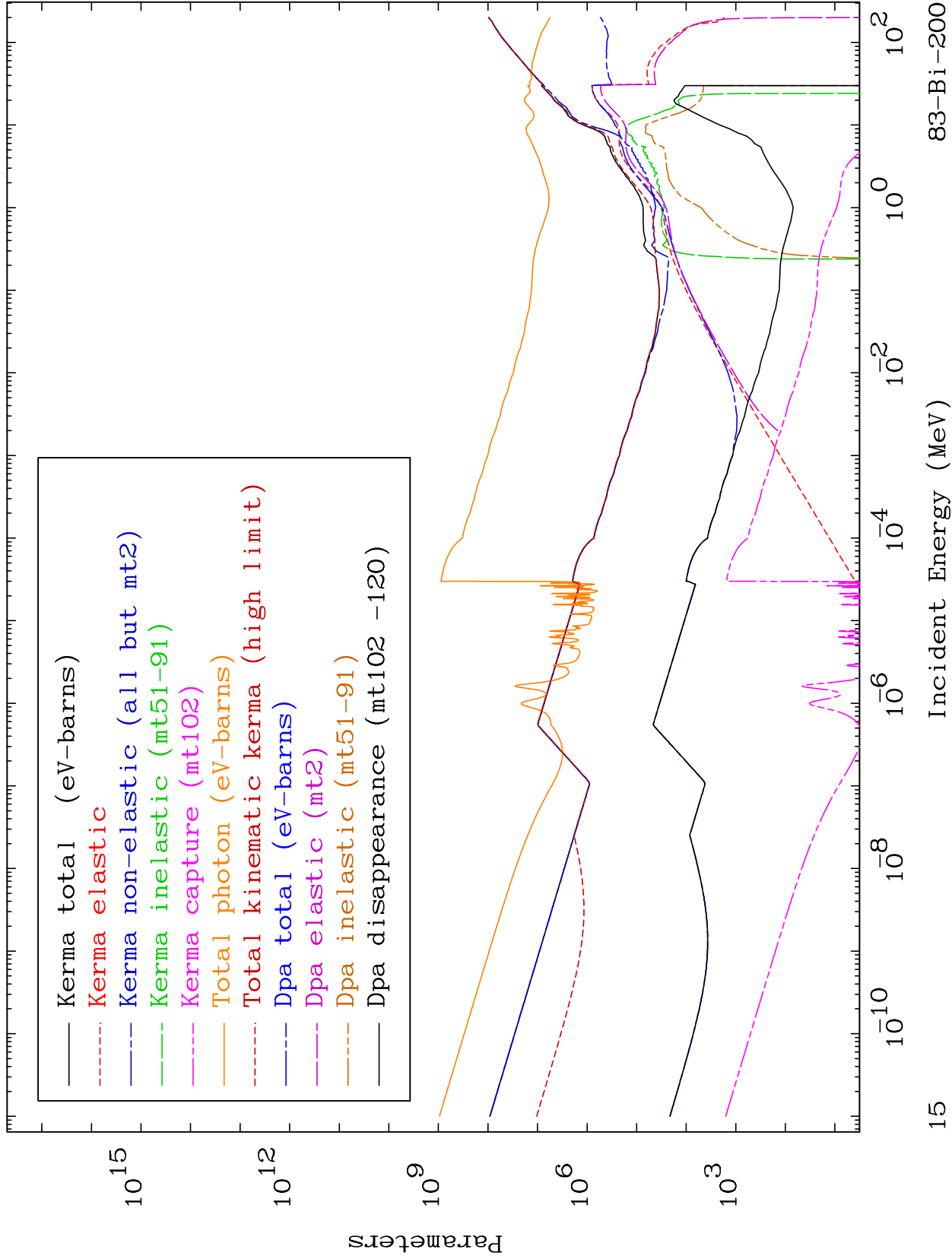
MAT 8299

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-200



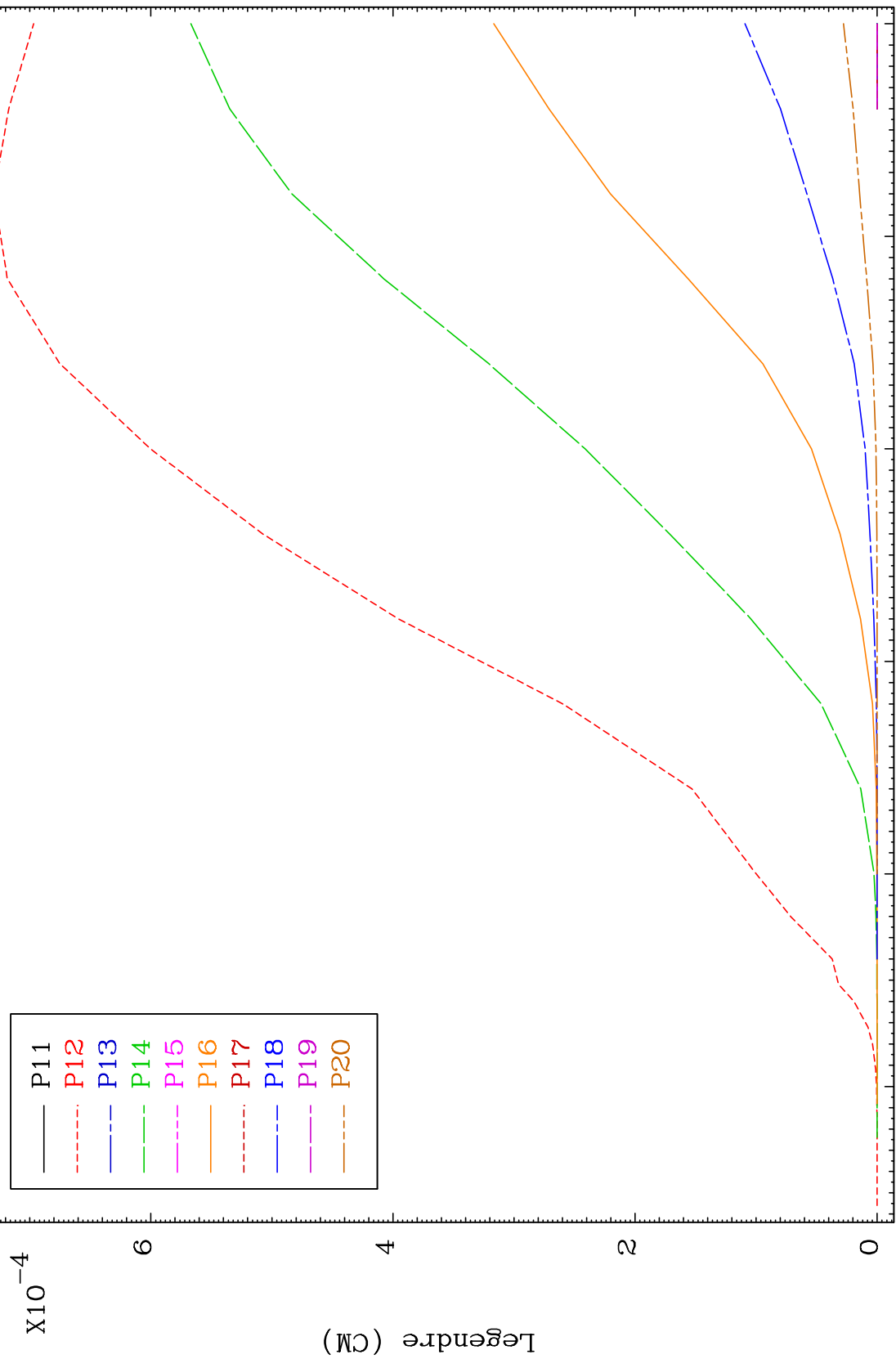
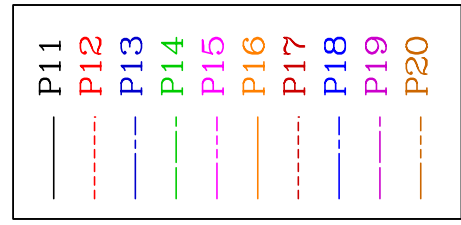
14



MAT 8299

Elastic Legendre Coefficients

83-Bi-200



17

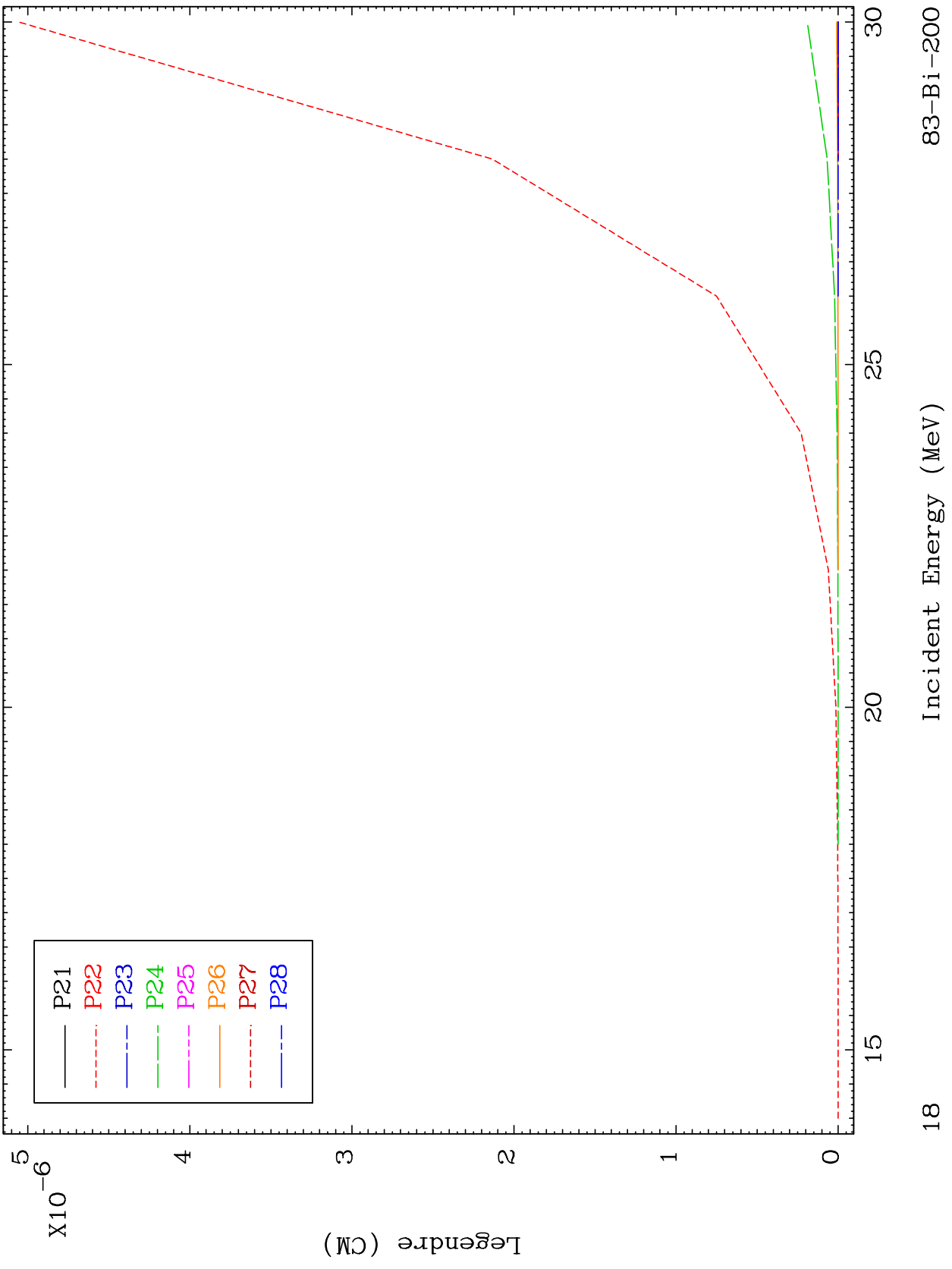
Incident Energy (MeV)

83-Bi-200

MAT 8299

Elastic Legendre Coefficients

83-Bi-200



18

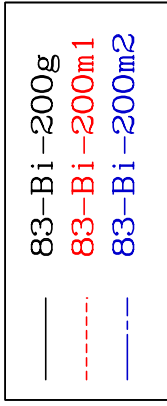
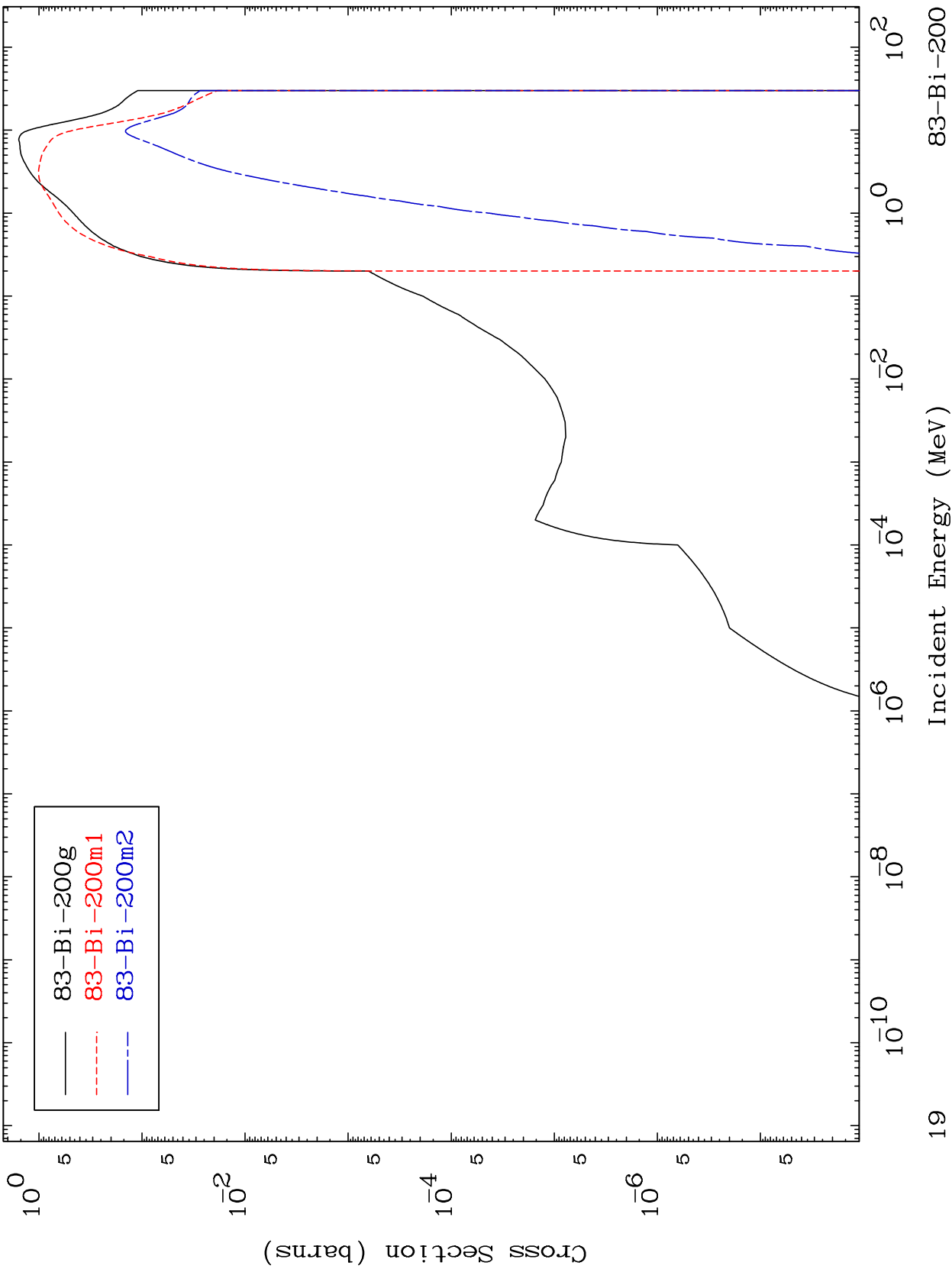
Incident Energy (MeV)

83-Bi-200

MAT 8299

Inelastic
Radionuclide Production Cross Section

83-Bi-200

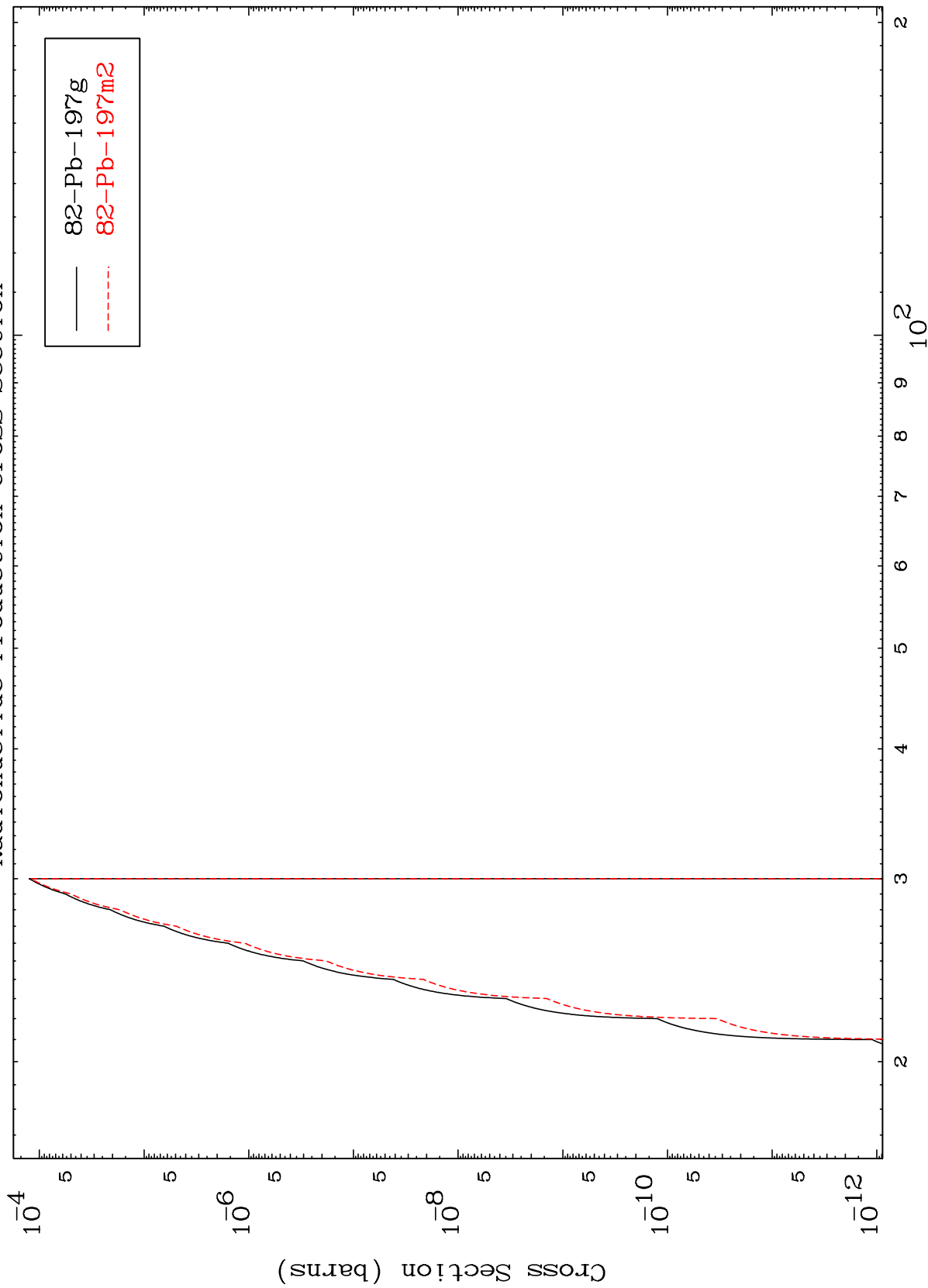


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83-Bi-200

(n,2n) d

Radionuclide Production Cross Section



20

Incident Energy (MeV)

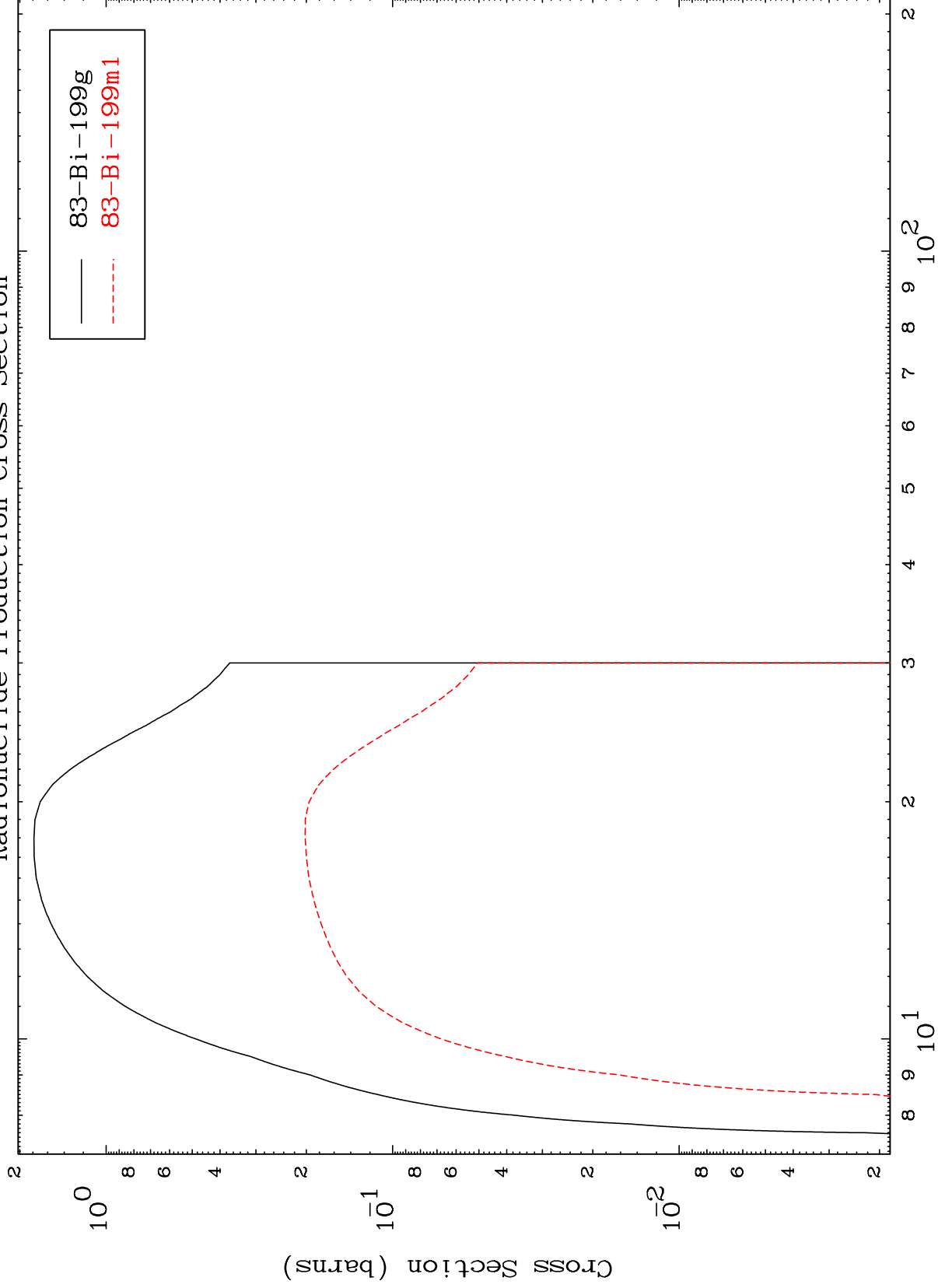
83-Bi-200

MAT 8299

(n,2n)

83-Bi-200

Radionuclide Production Cross Section



21

Incident Energy (MeV)

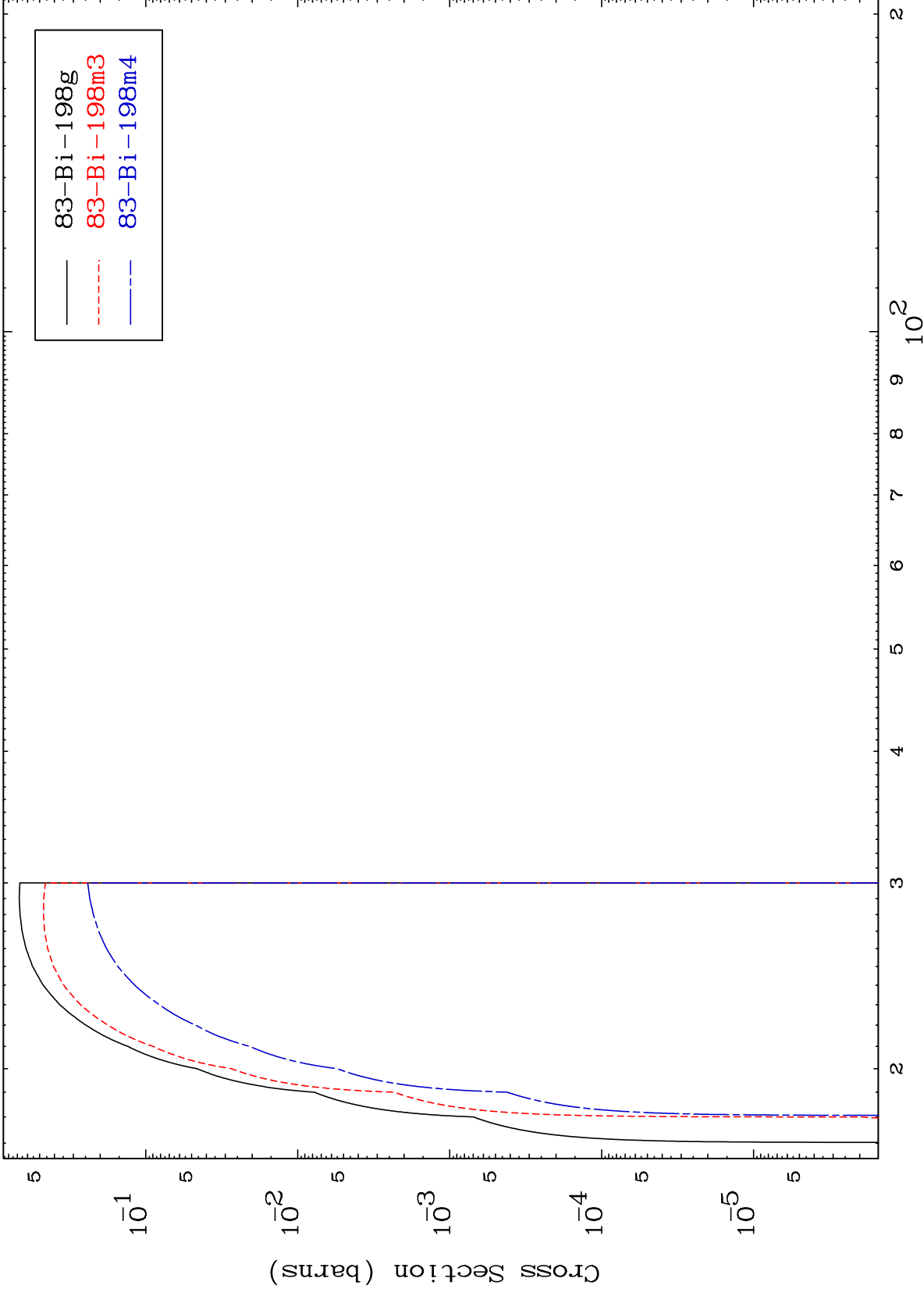
83-Bi-200

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(n,3n)

83-Bi-200

Radionuclide Production Cross Section



22

Incident Energy (MeV)

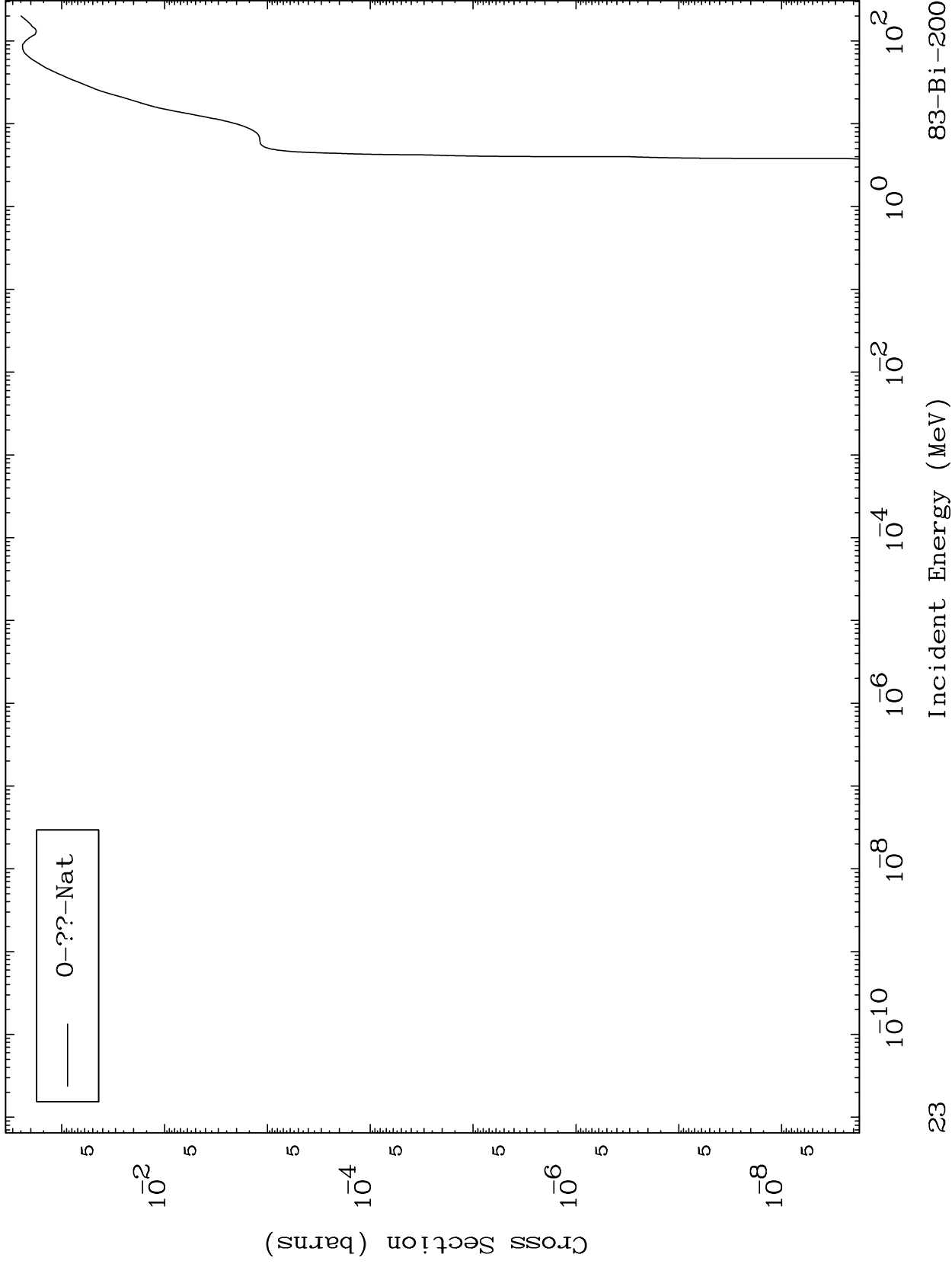
83-Bi-200

MAT 8299

Fission

83-Bi-200

Radionuclide Production Cross Section



23

Incident Energy (MeV)

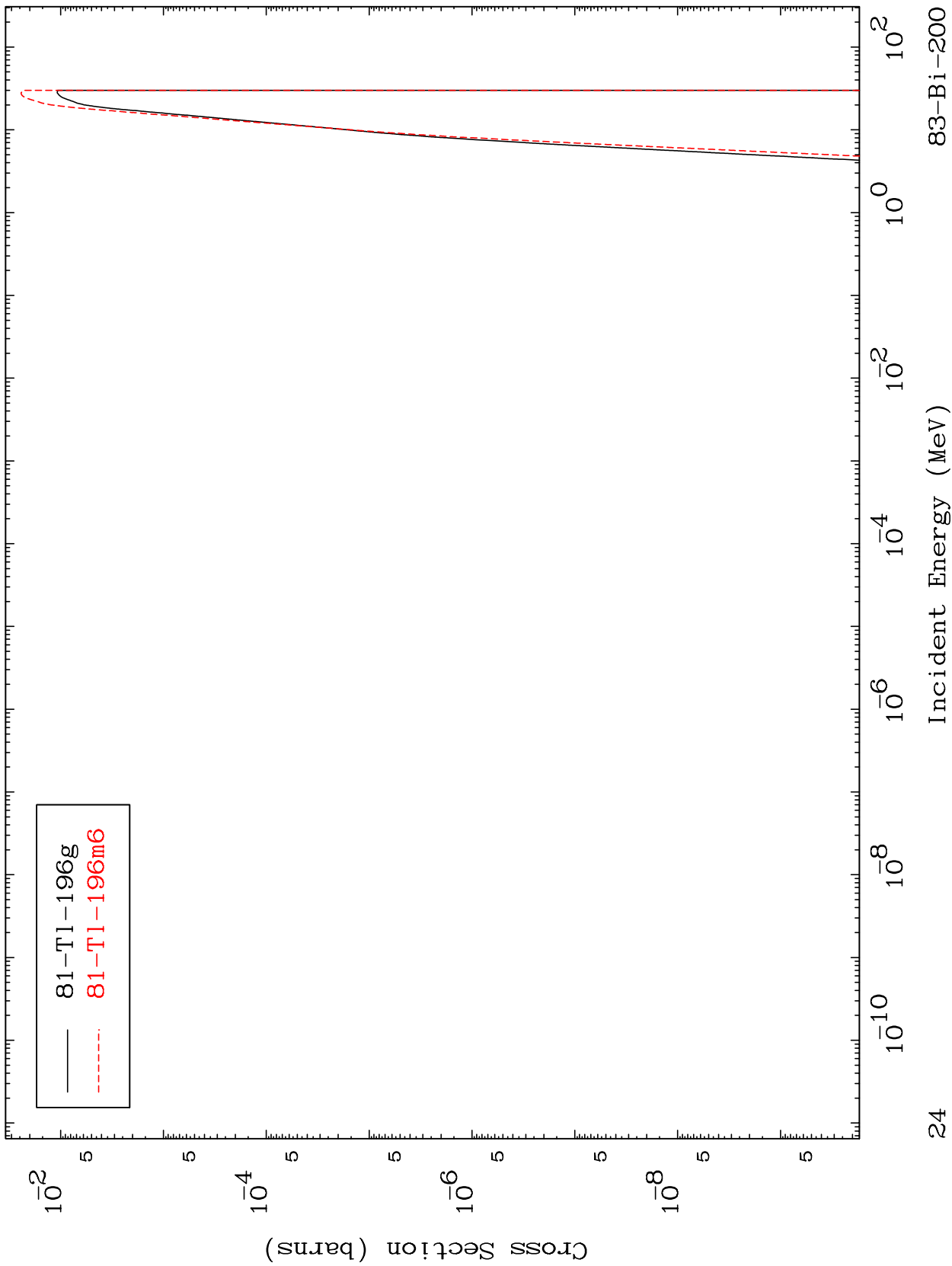
83-Bi-200

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$(n, n') \alpha$

83-Bi-200

Radionuclide Production Cross Section

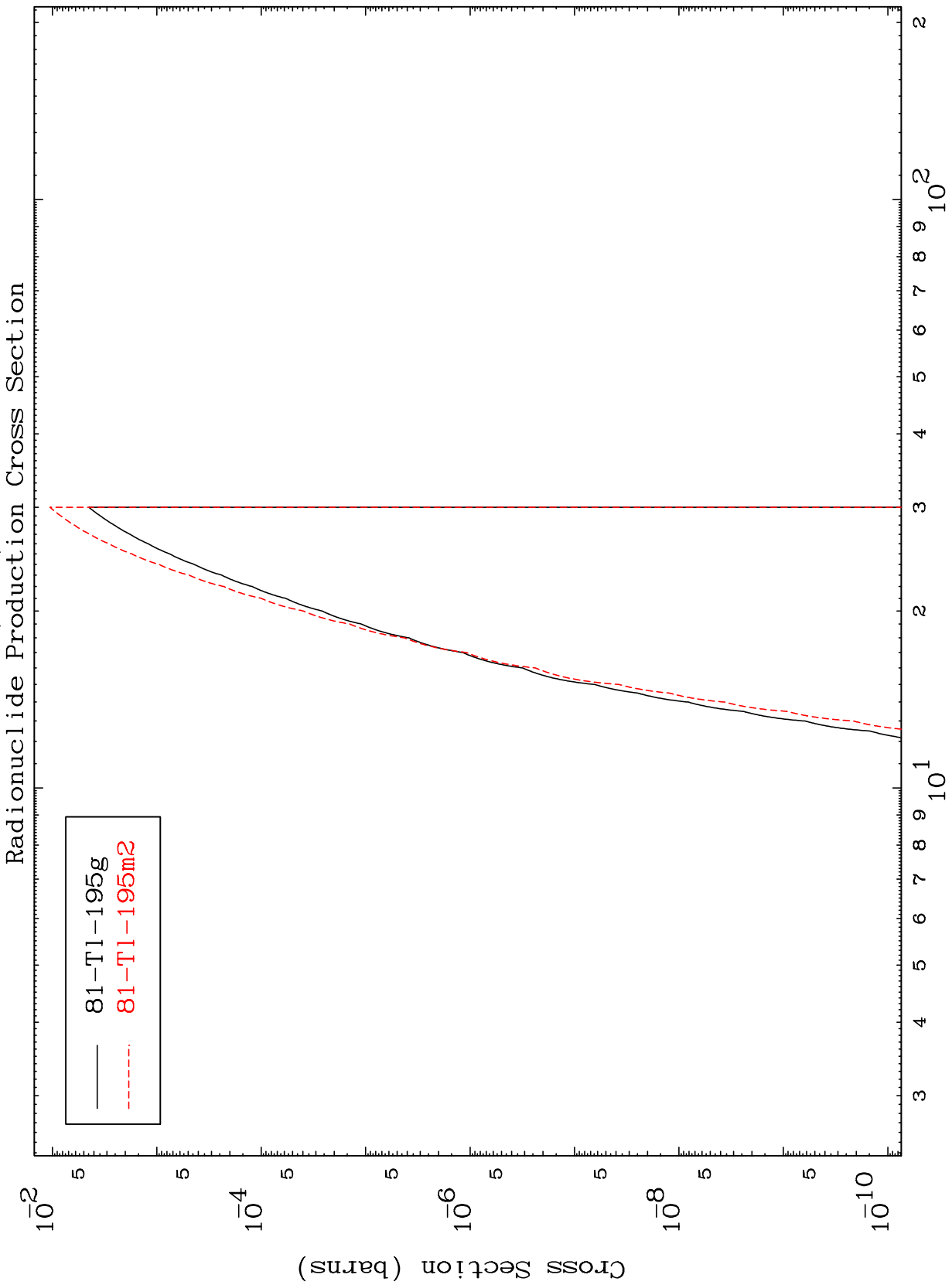


81-Tl-196g
81-Tl-196m6

MAT 8299

(n,2n) α

83-Bi-200



25

Incident Energy (MeV)

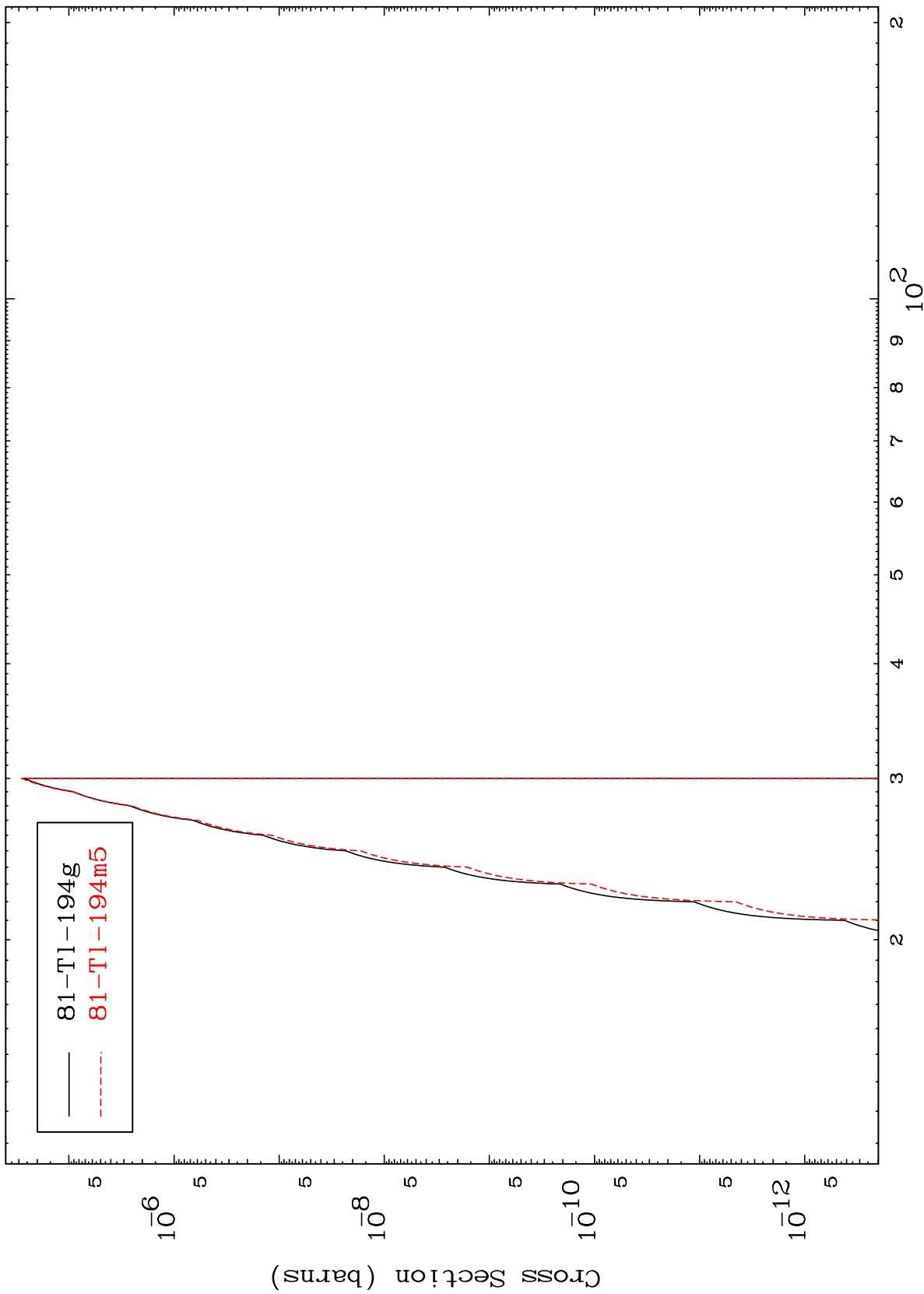
83-Bi-200

MAT 8299

(n,3n) α

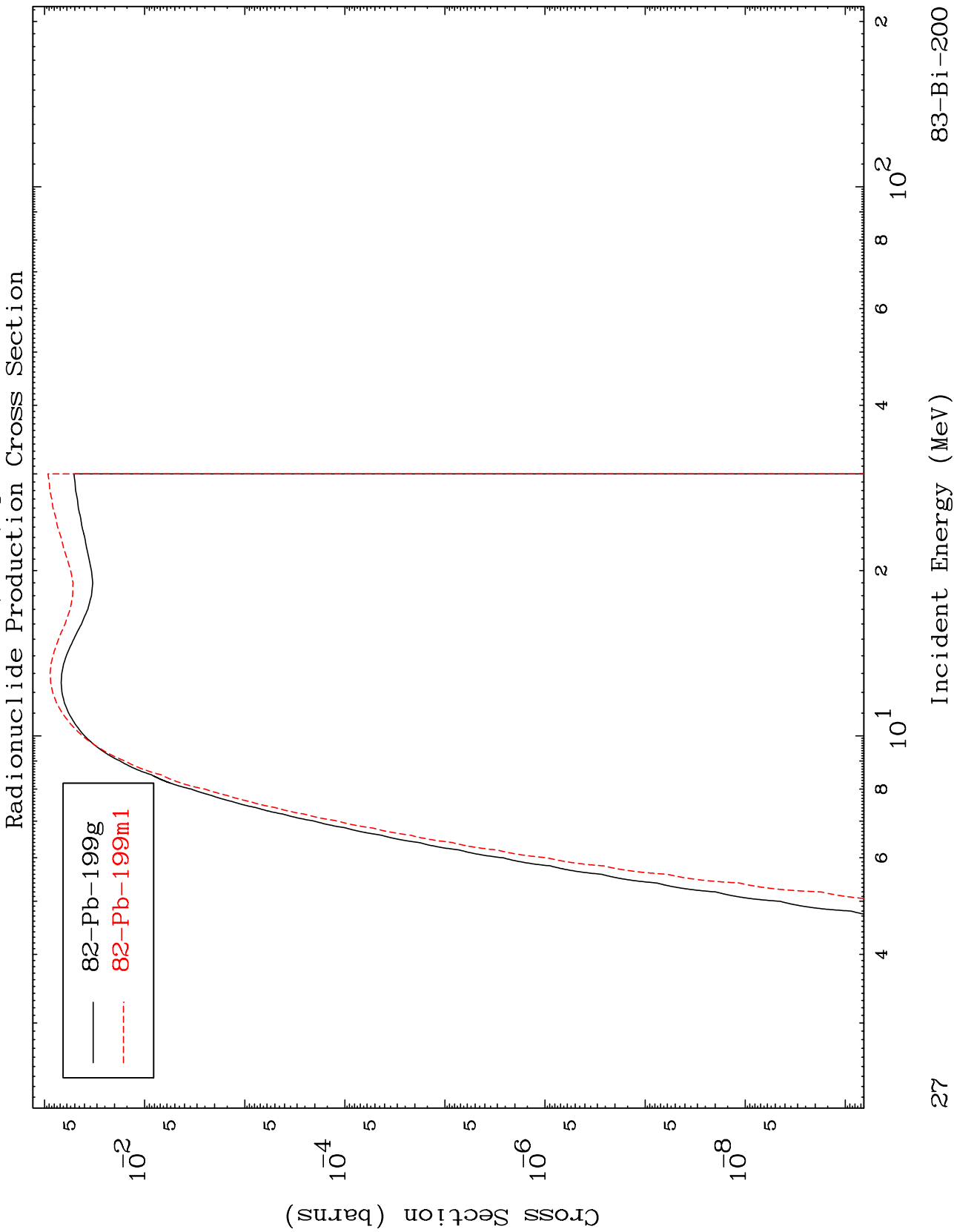
83-Bi-200

Radionuclide Production Cross Section



MAT 8299

83-Bi-200



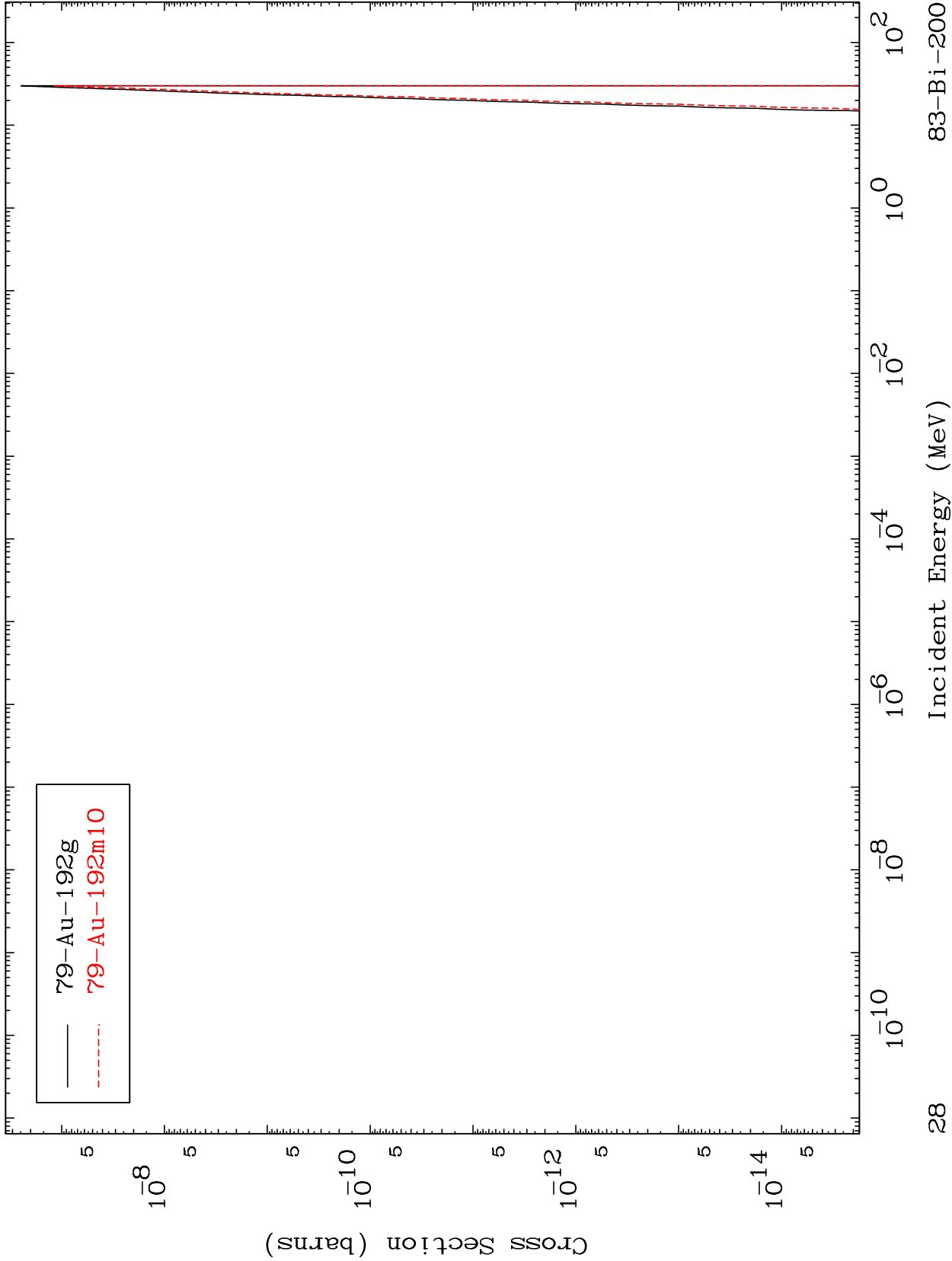
— 82-Pb-199g
- - - 82-Pb-199m1

MAT 8299

(n,n') 2 α

83-Bi-200

Radionuclide Production Cross Section

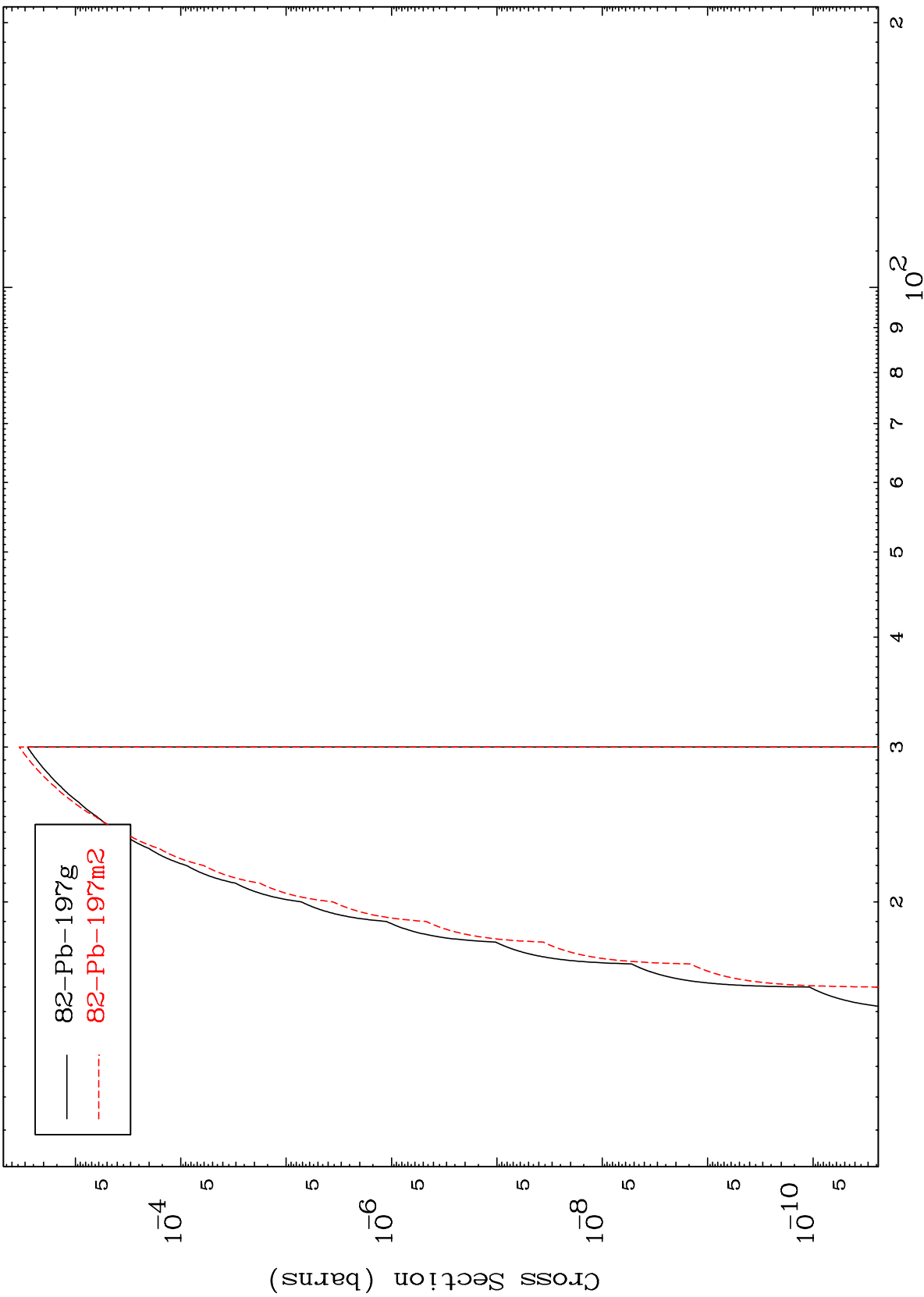


MAT 8299

(n,n') t

83-Bi-200

Radionuclide Production Cross Section



29

Incident Energy (MeV)

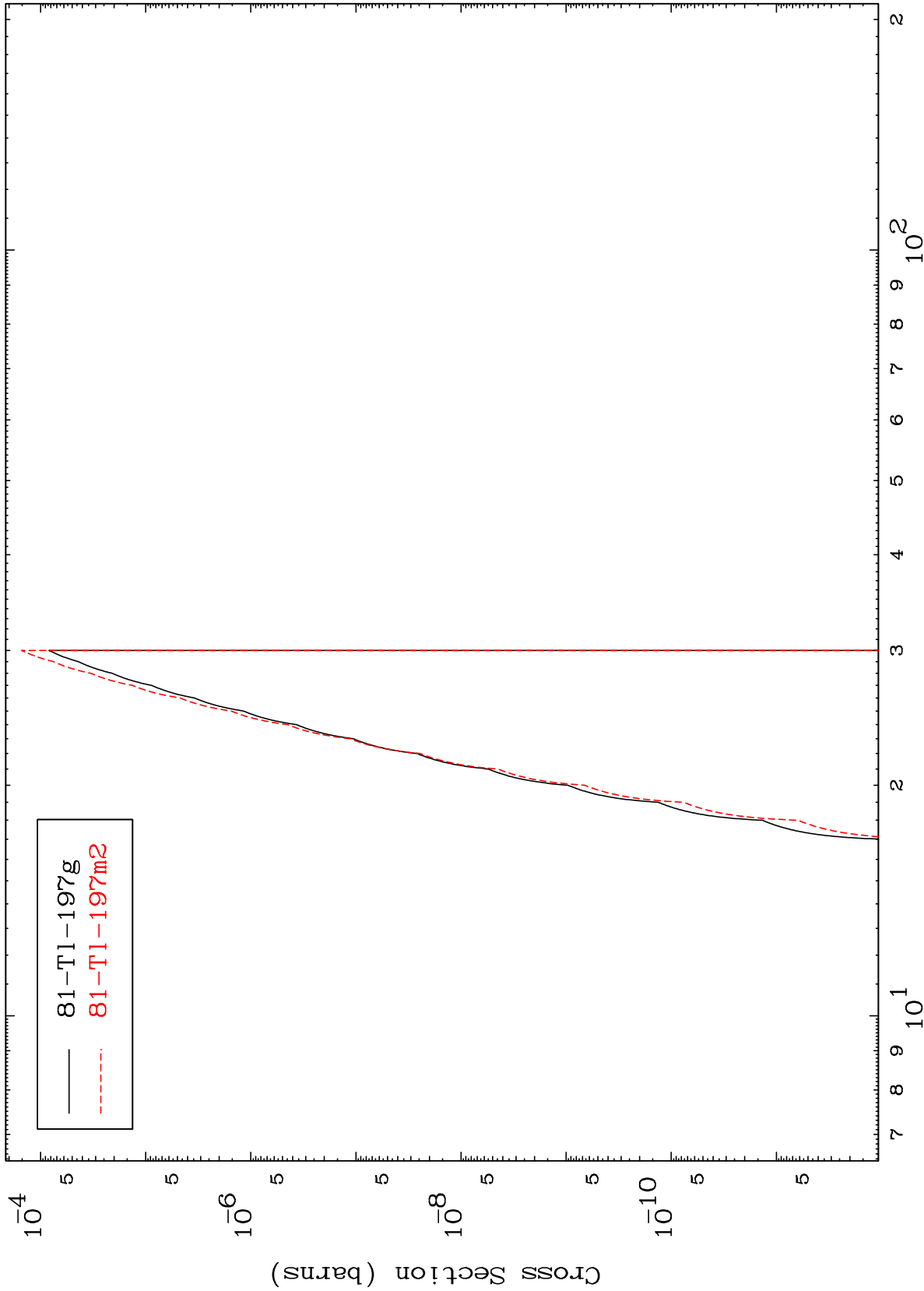
83-Bi-200

MAT 8299

(n,n') He-3

83-Bi-200

Radionuclide Production Cross Section



30

Incident Energy (MeV)

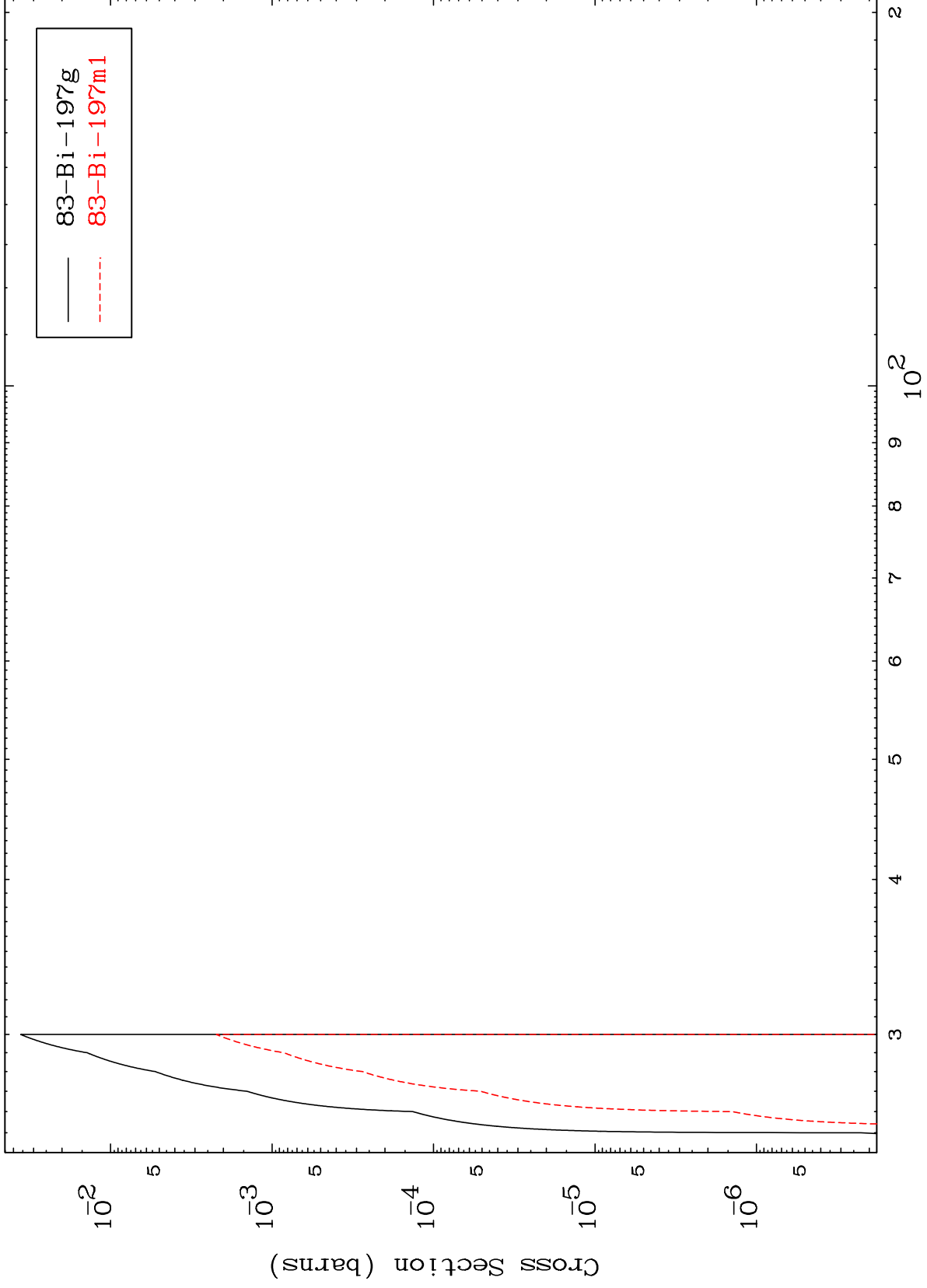
83-Bi-200

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(n,4n)

83-Bi-200

Radionuclide Production Cross Section



31

Incident Energy (MeV)

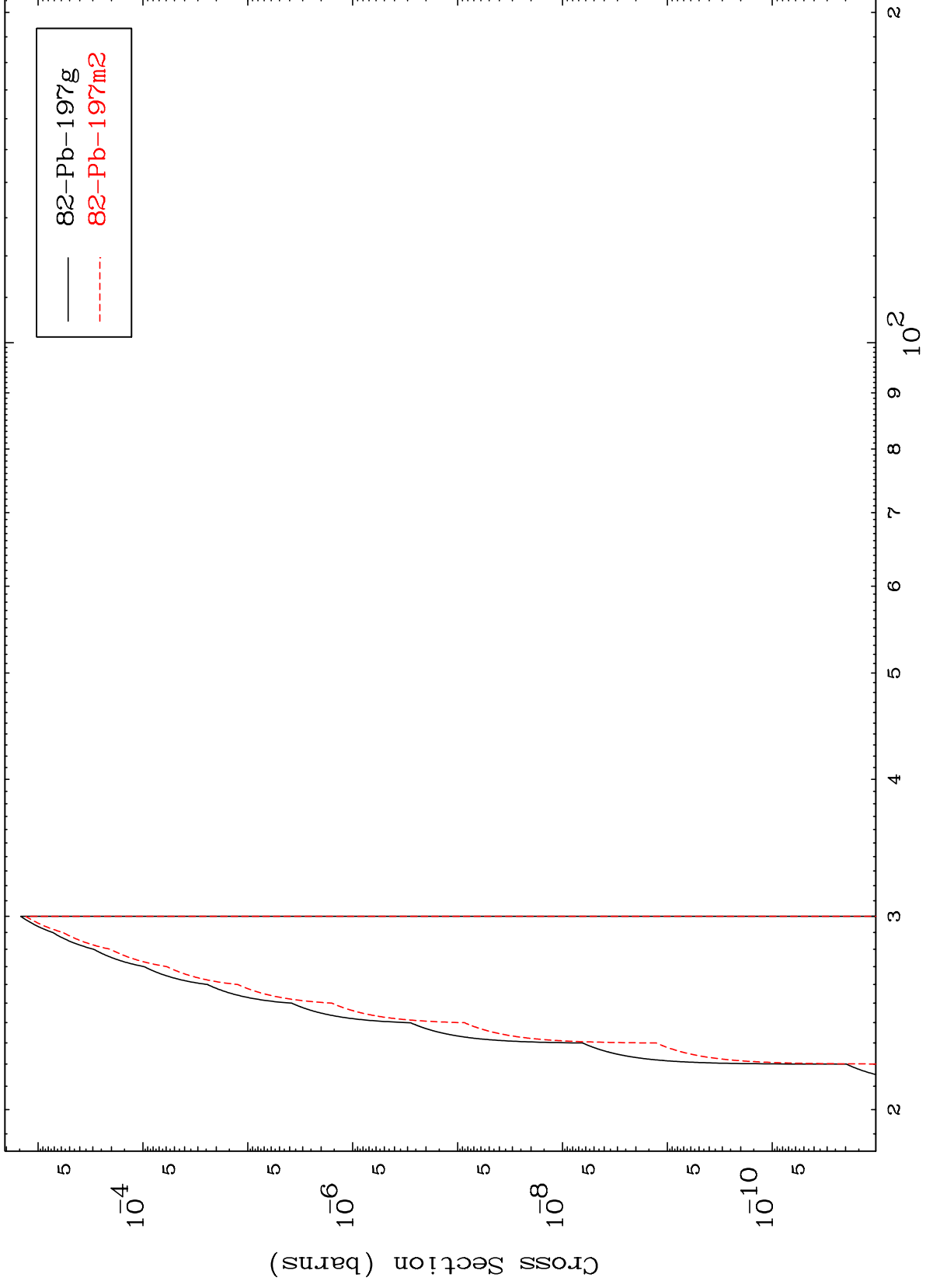
83-Bi-200

MAT 8299

(n,3n) p

83-Bi-200

Radionuclide Production Cross Section



32

Incident Energy (MeV)

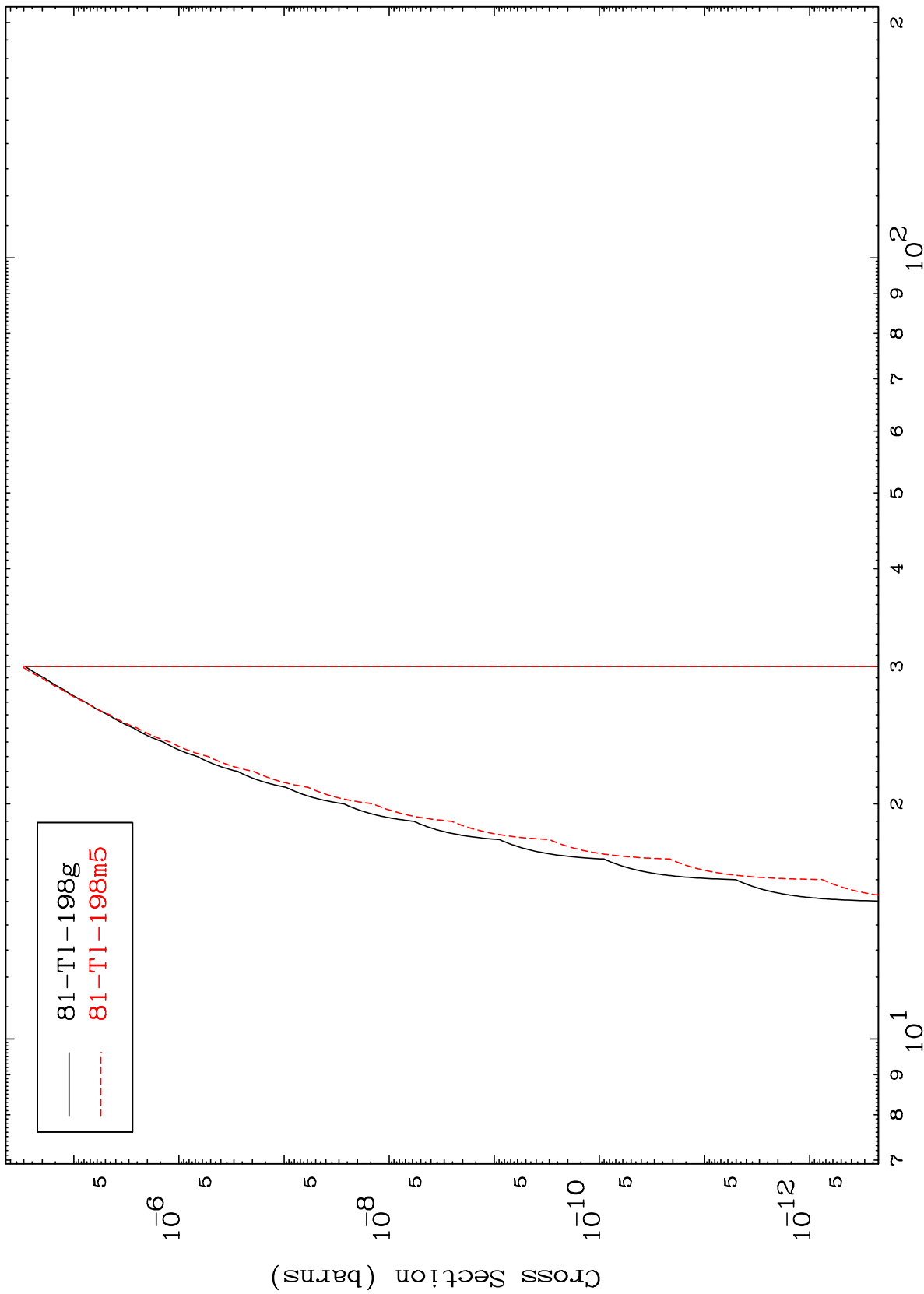
83-Bi-200

MAT 8299

(n,2n) p

83-Bi-200

Radionuclide Production Cross Section



33

Incident Energy (MeV)

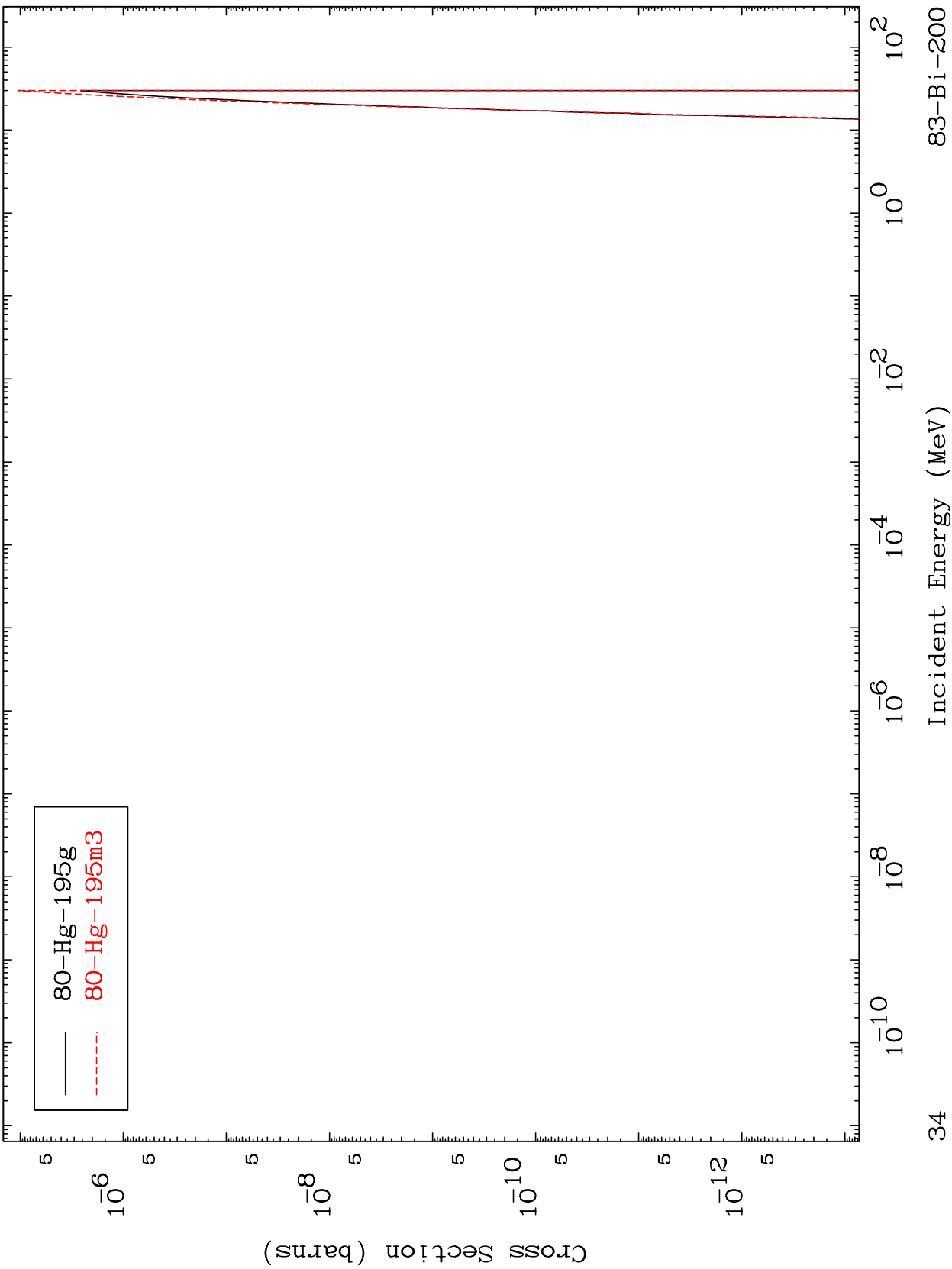
83-Bi-200

MAT 8299

(n,n') p α

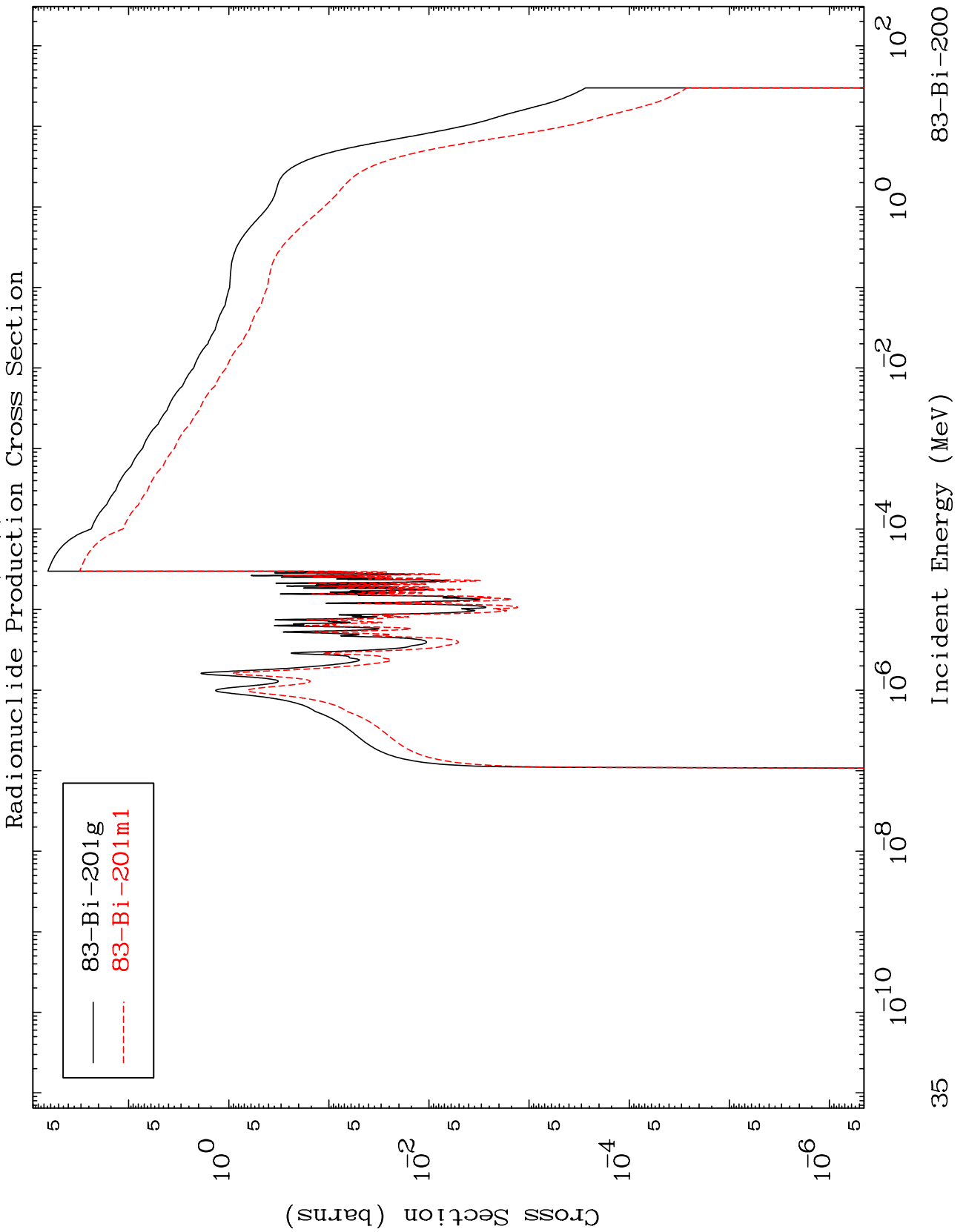
83-Bi-200

Radionuclide Production Cross Section



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⁸³Bi-200

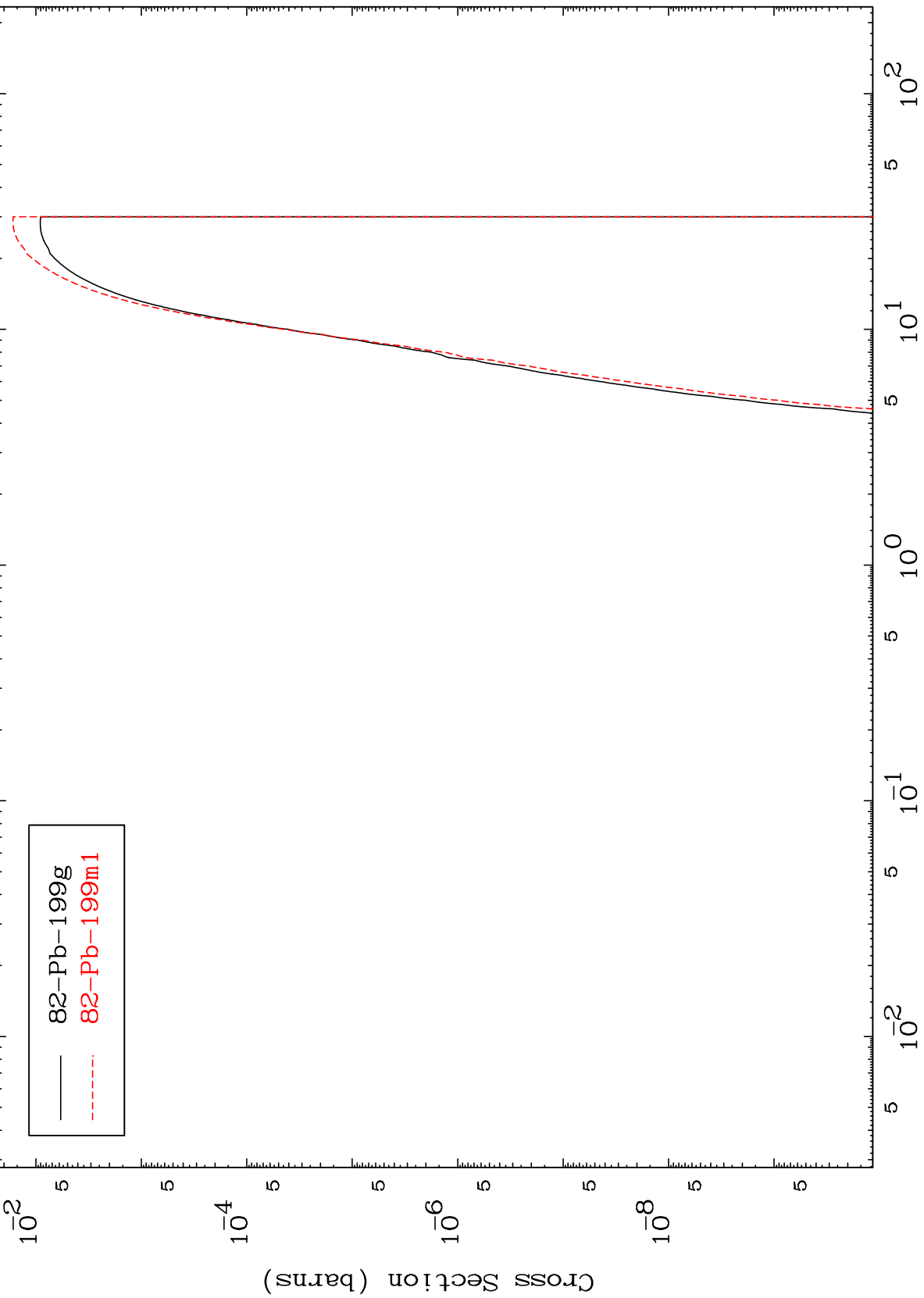


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(n,d)

83-Bi-200

Radionuclide Production Cross Section



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

36

Incident Energy (MeV)

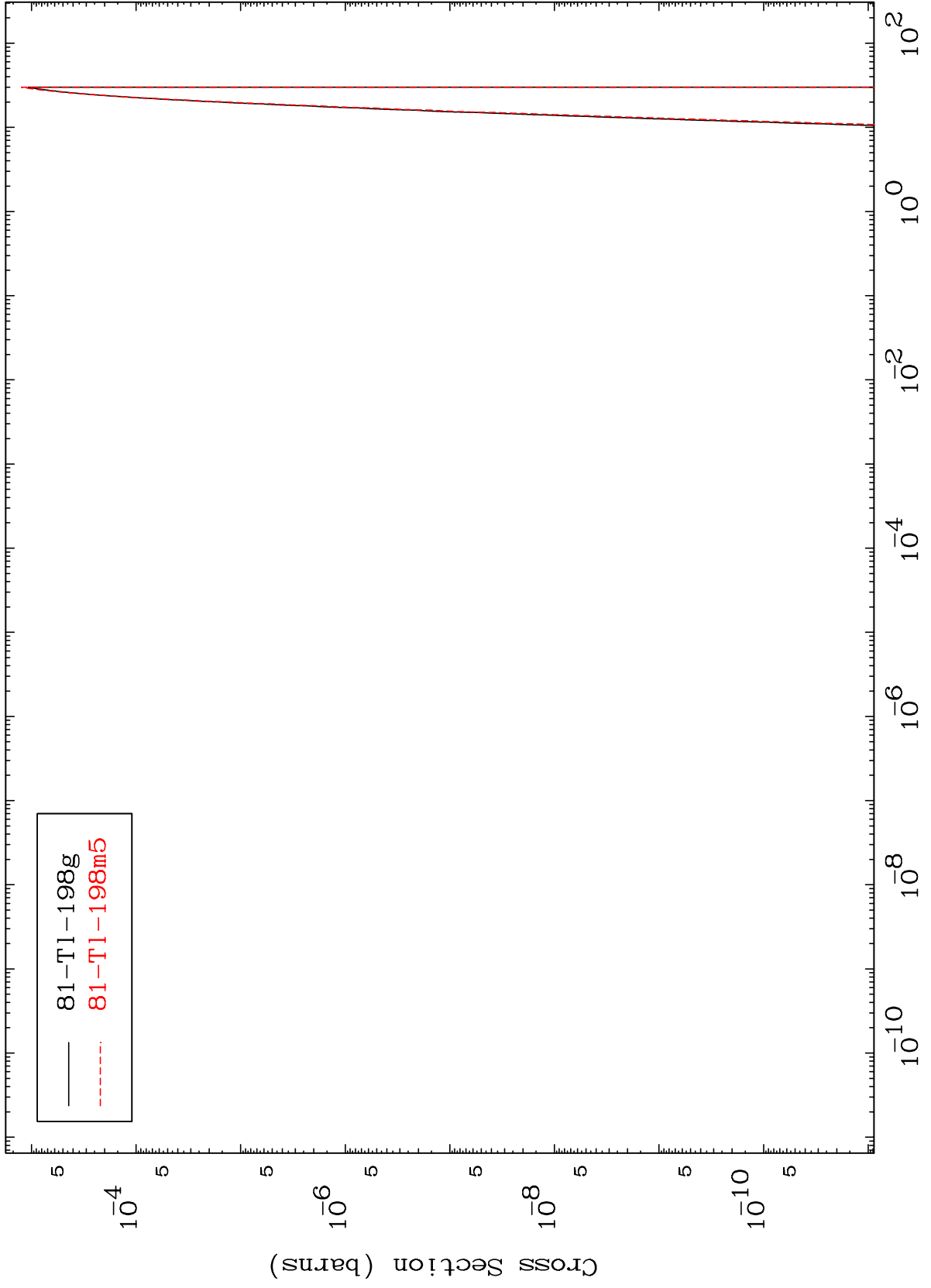
83-Bi-200

MAT 8299

(n,He-3)

83-Bi-200

Radionuclide Production Cross Section



37

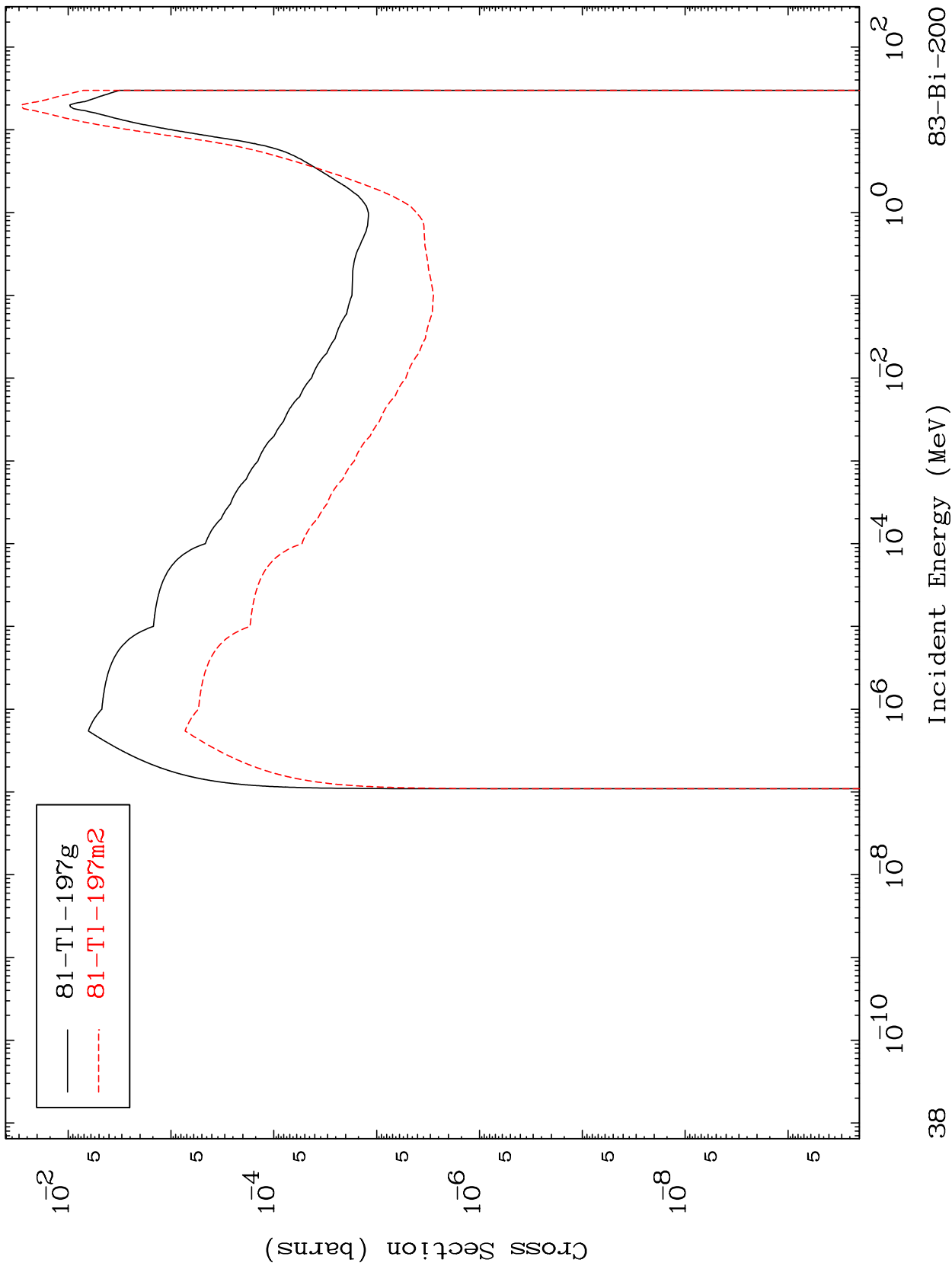
Incident Energy (MeV)

83-Bi-200

MAT 8299

83-Bi-200

Radionuclide Production Cross Section
(n, α)



38

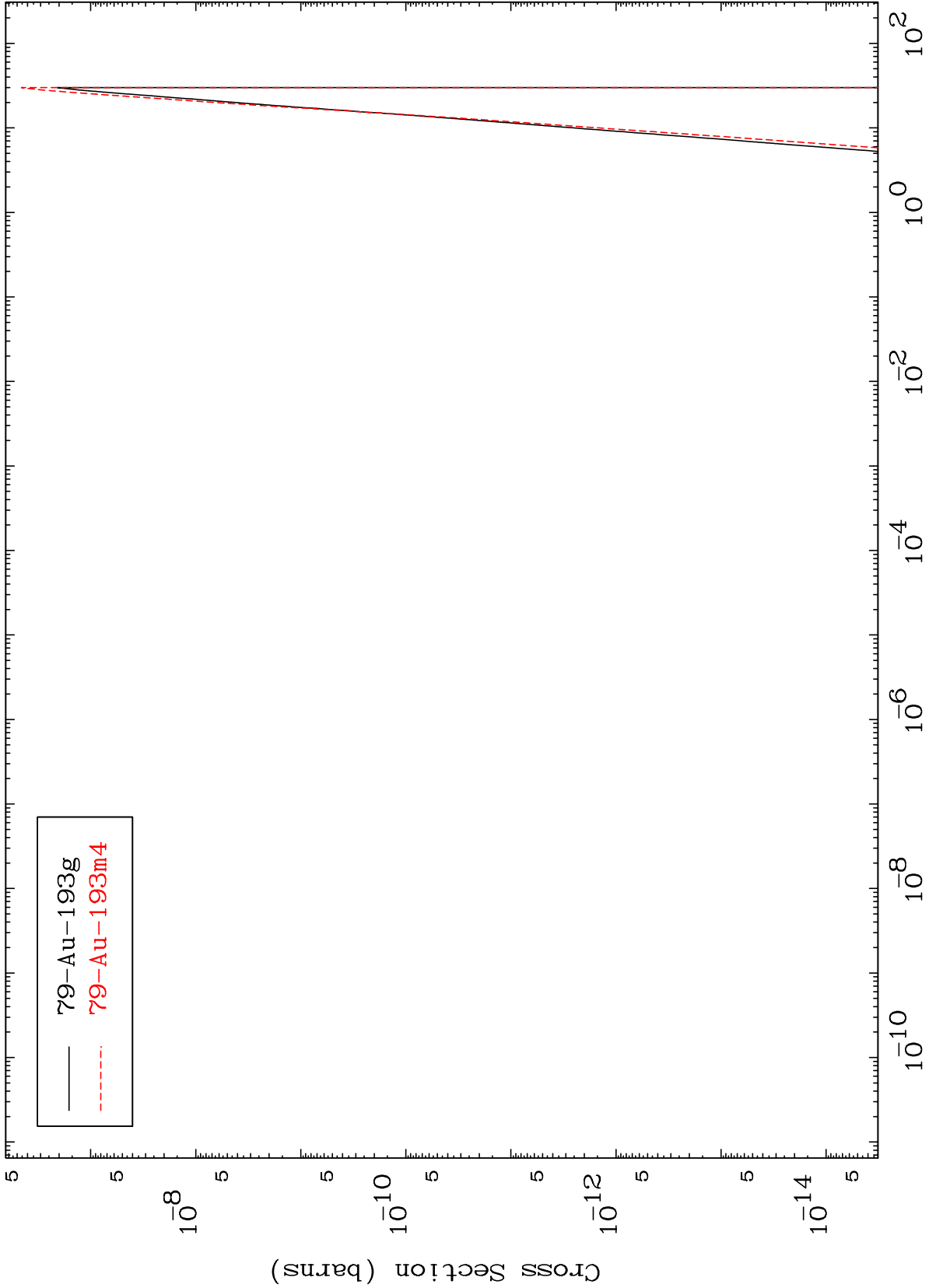
83-Bi-200

MAT 8299

(n,2α)

83-Bi-200

Radionuclide Production Cross Section



— 79-Au-193g
- - - 79-Au-193m4

39

Incident Energy (MeV)

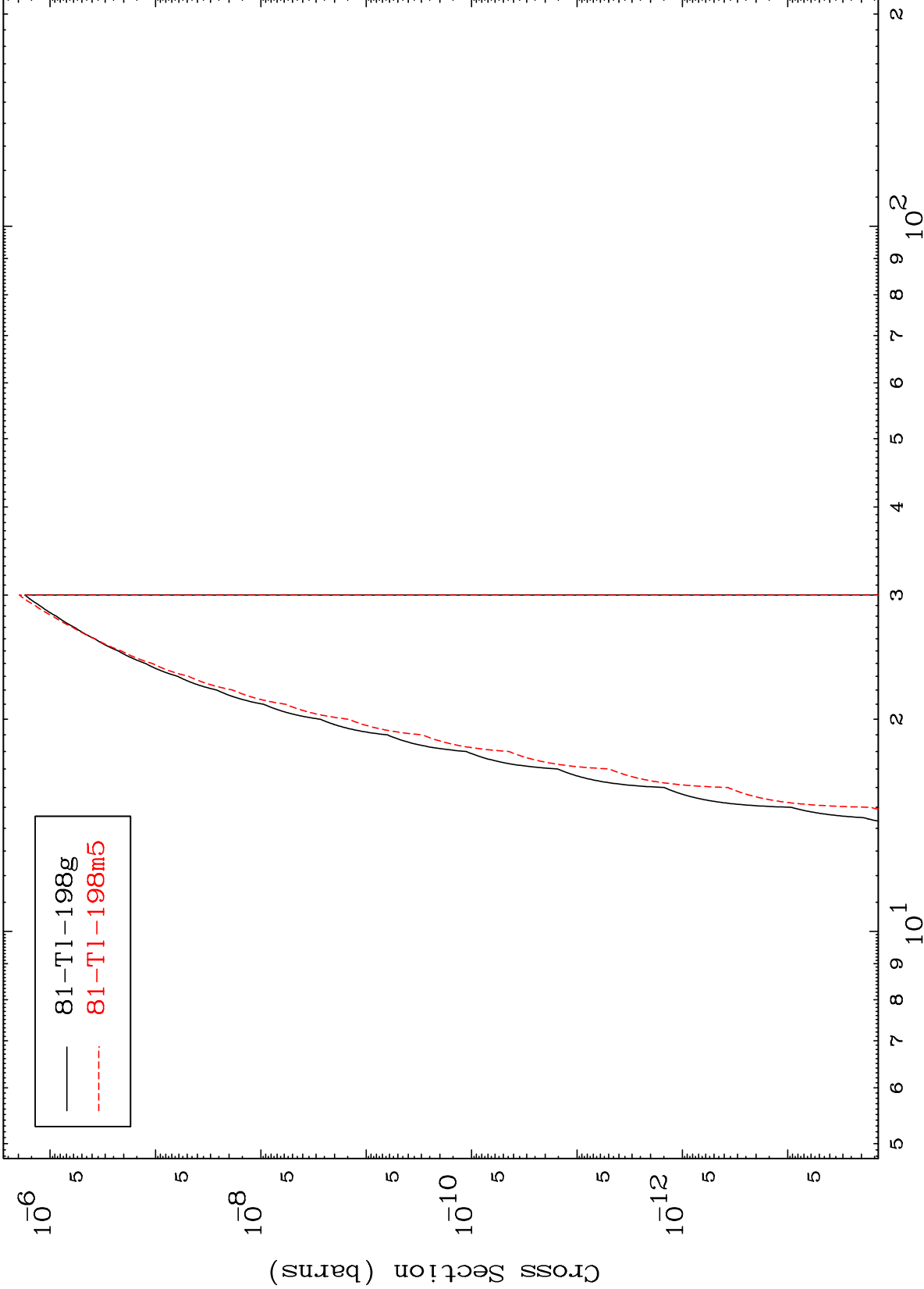
83-Bi-200

MAT 8299

(n,p) d

83-Bi-200

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m5

40

Incident Energy (MeV)

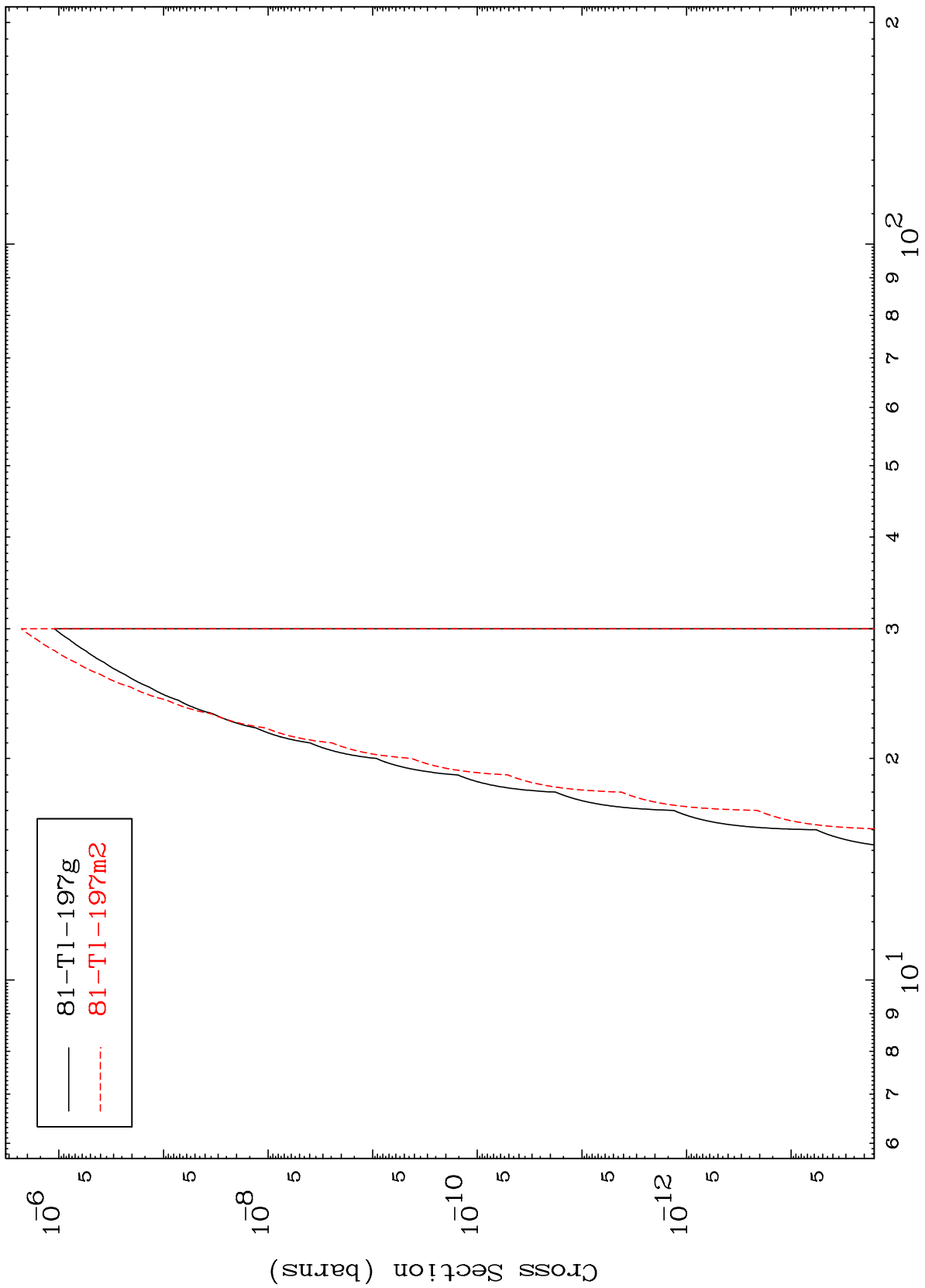
83-Bi-200

MAT 8299

(n,p) t

83-Bi-200

Radionuclide Production Cross Section



41

Incident Energy (MeV)

83-Bi-200

MAT 8299

(n,d) α

83-Bi-200

Radionuclide Production Cross Section

