

Program EVALPLOT
(Version 2015-2)

by

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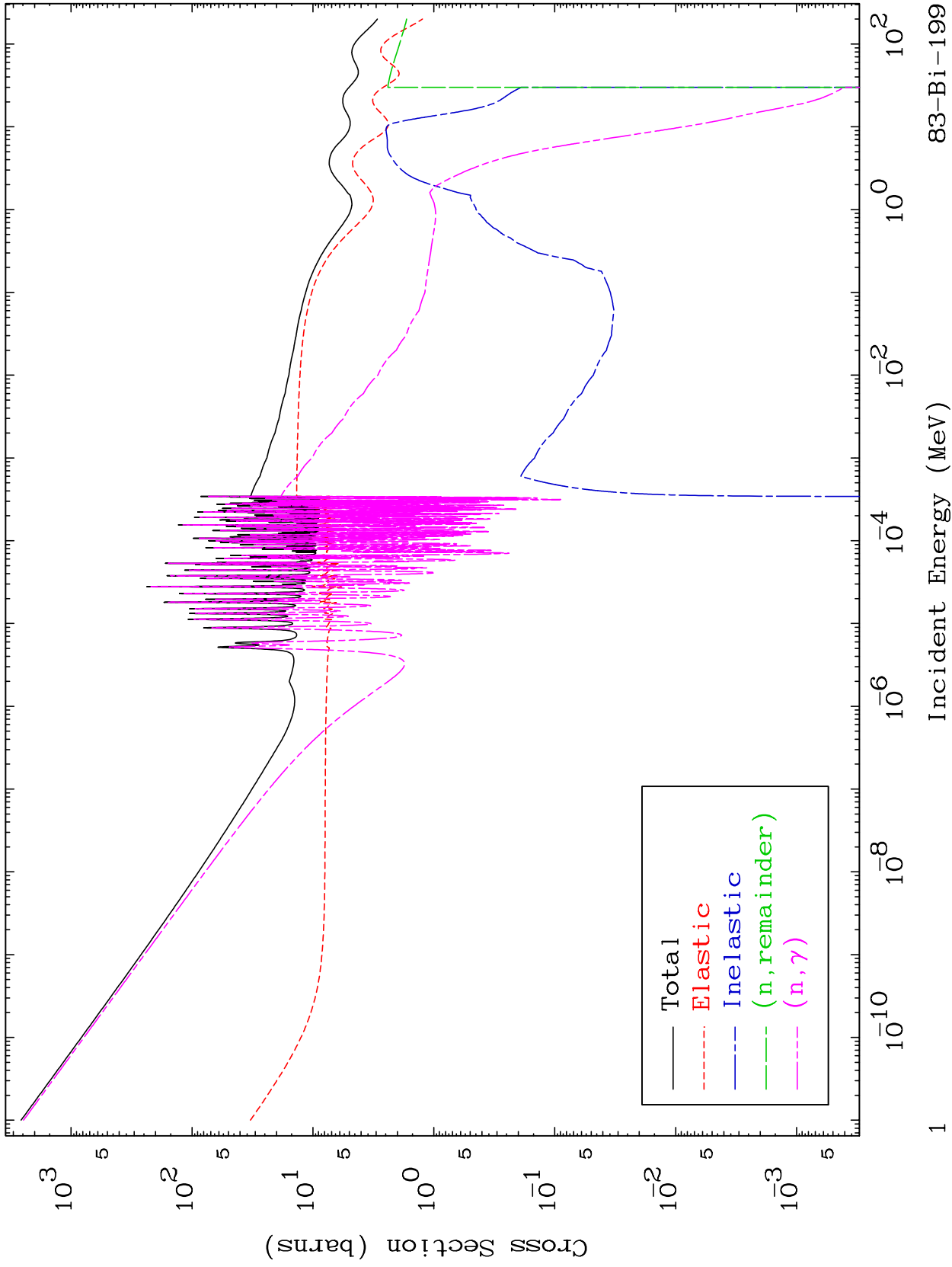
Press Mouse Button to Start

MAT 8296

Major

293 Kelvin Cross Sections

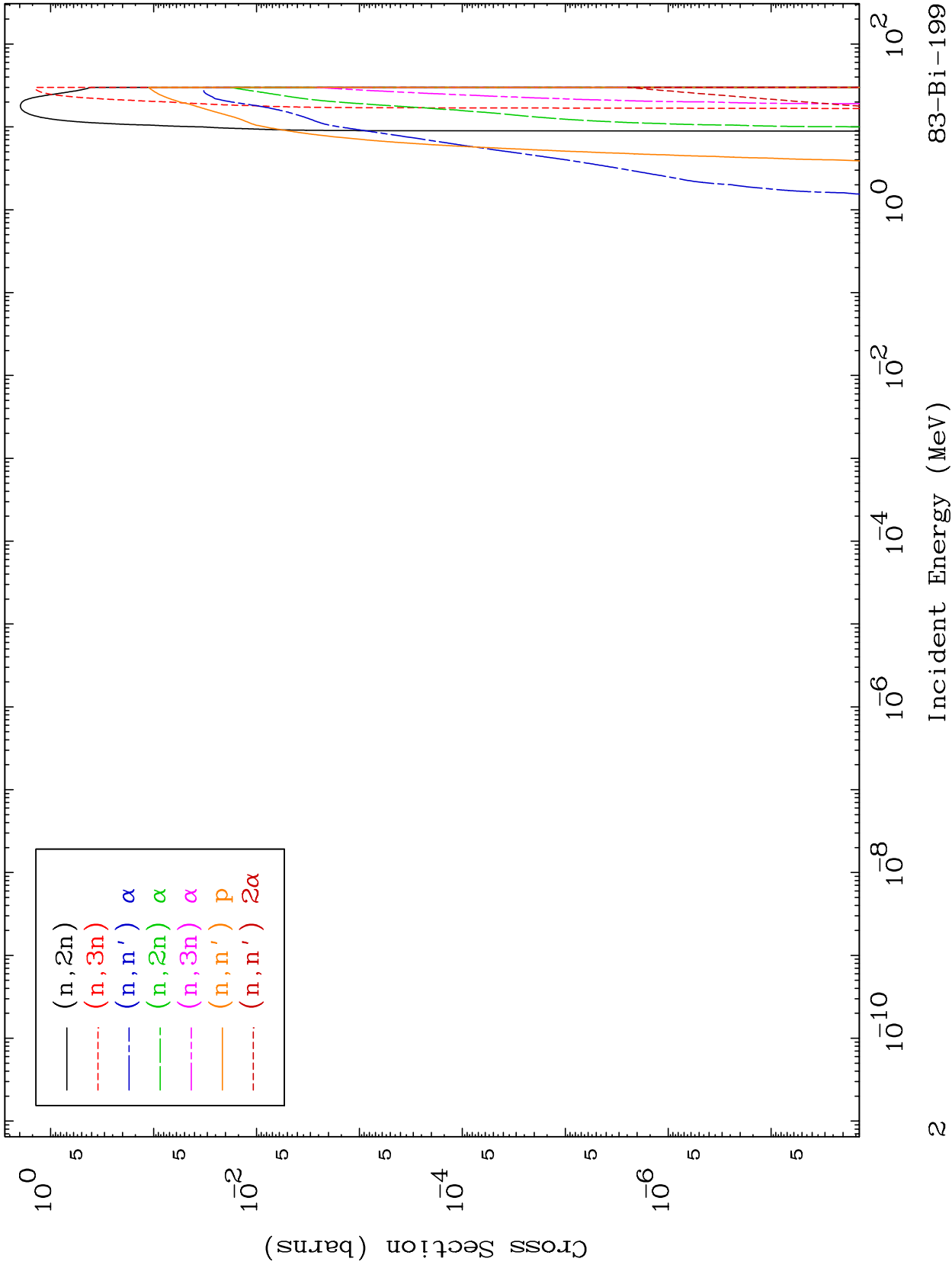
83-Bi-199



MAT 8296

Neutron Production
293 Kelvin Cross Sections

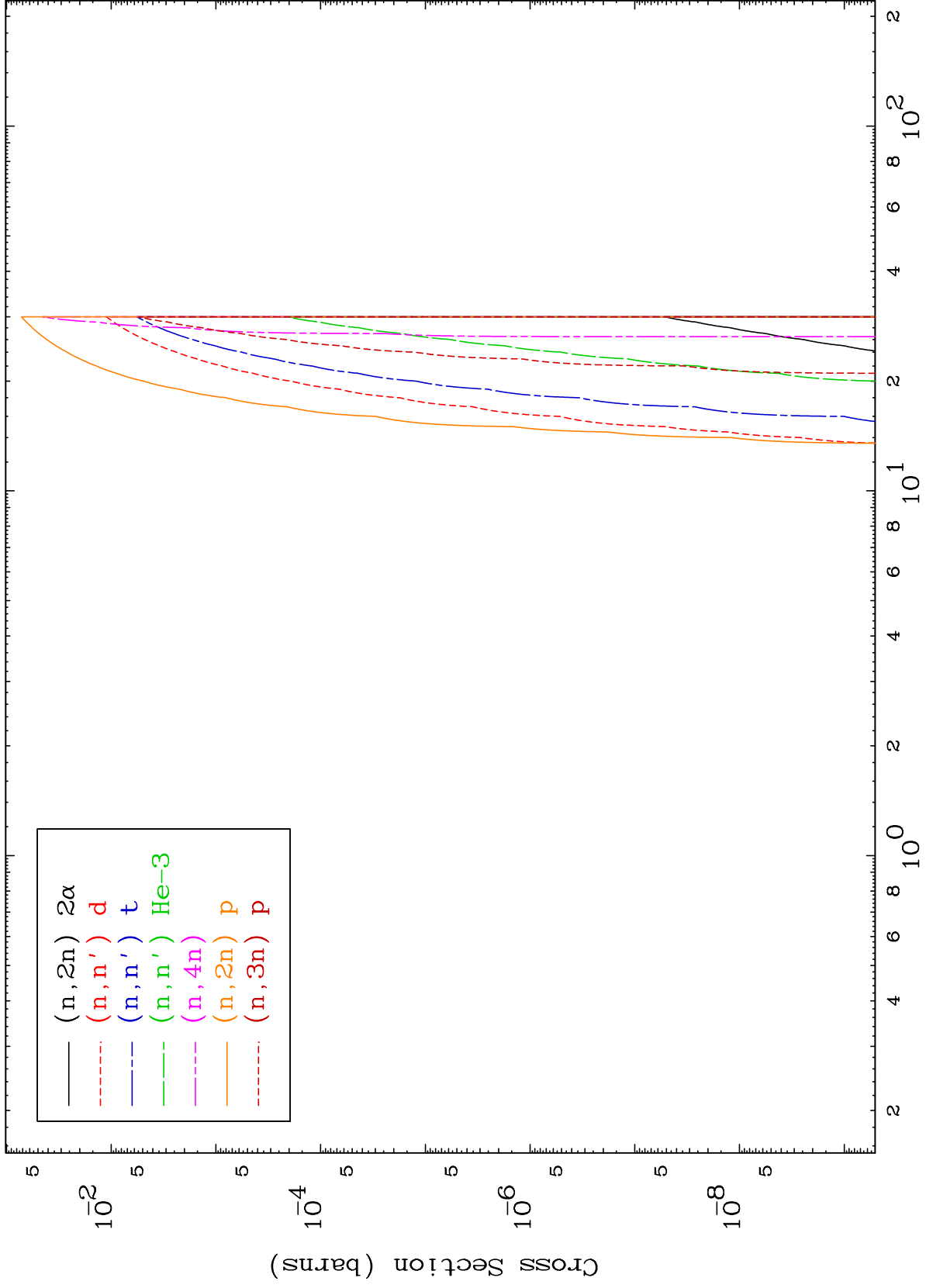
83-Bi-199



MAT 8296

Neutron Production
293 Kelvin Cross Sections

83-Bi-199



3

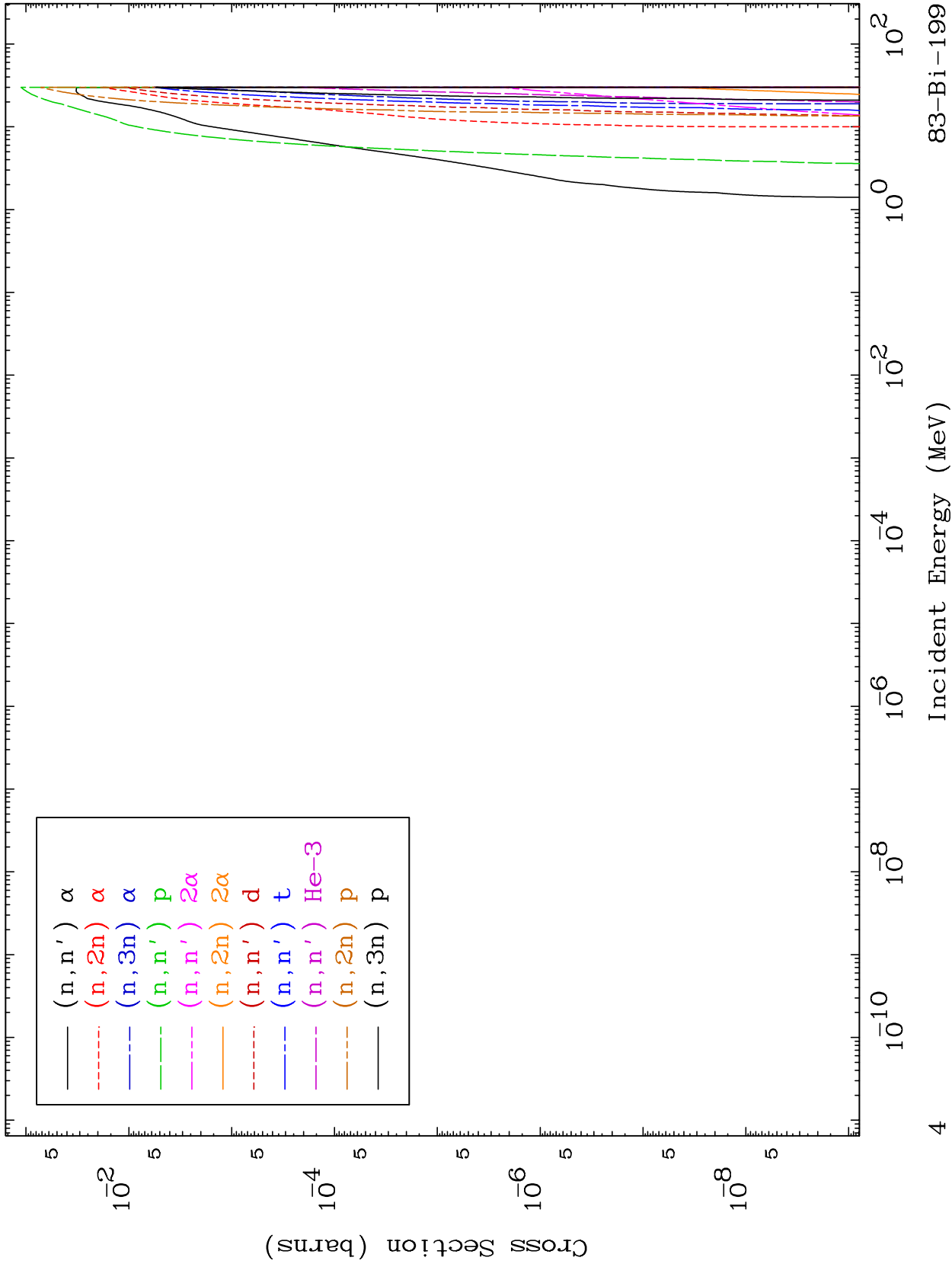
Incident Energy (MeV)

83-Bi-199

MAT 8296

Charged Particle
293 Kelvin Cross Sections

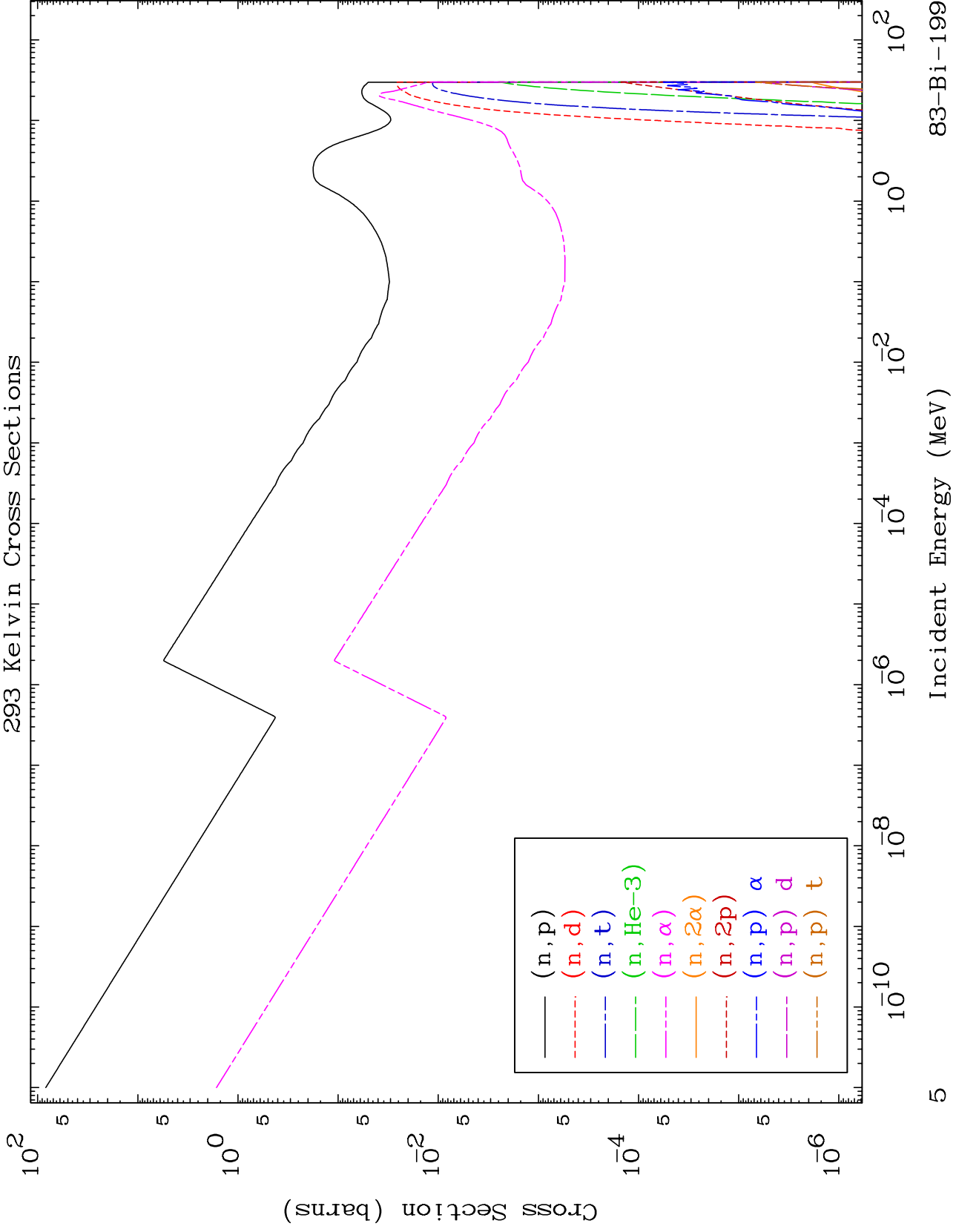
83-Bi-199



MAT 8296

Charged Particle
293 Kelvin Cross Sections

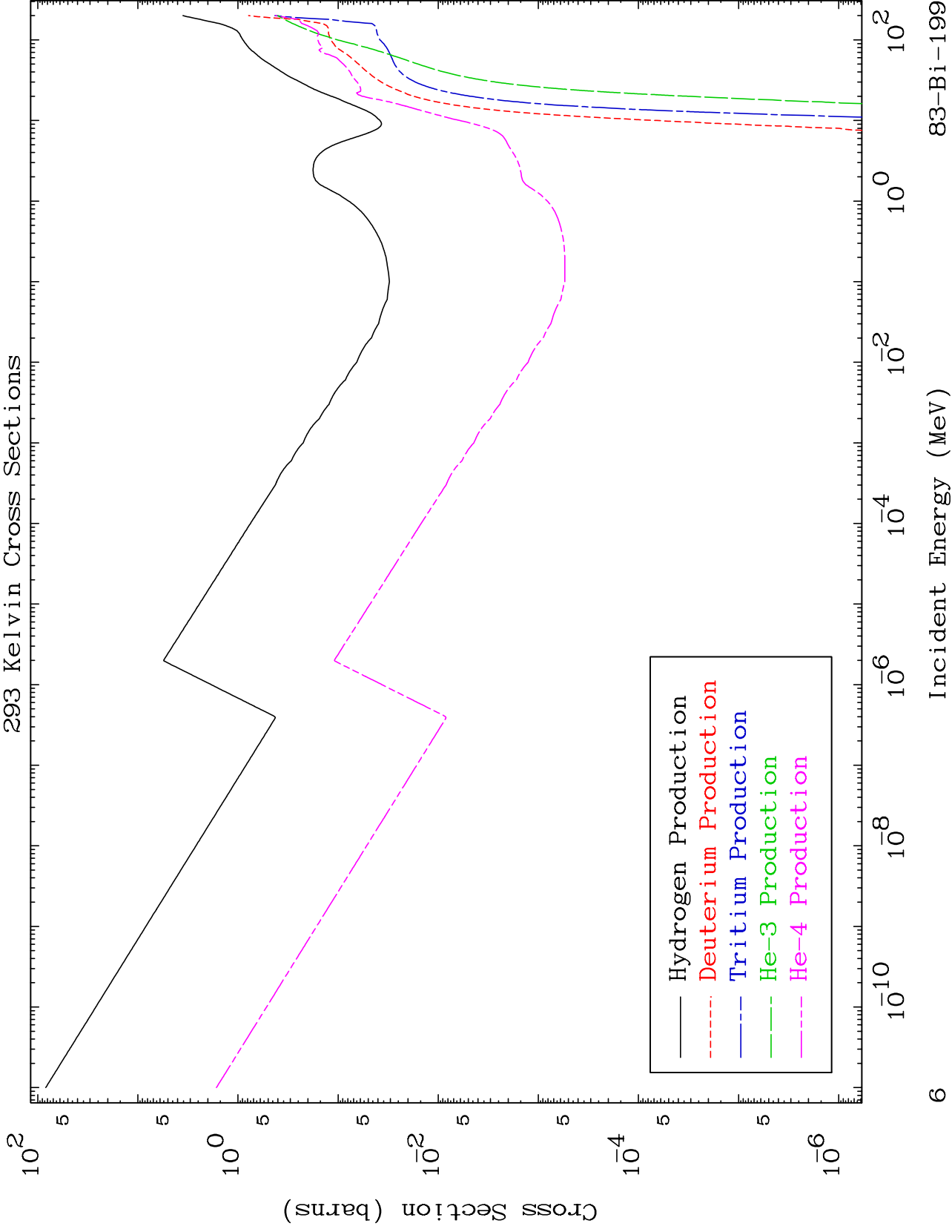
83-Bi-199



MAT 8296

Particle Production
293 Kelvin Cross Sections

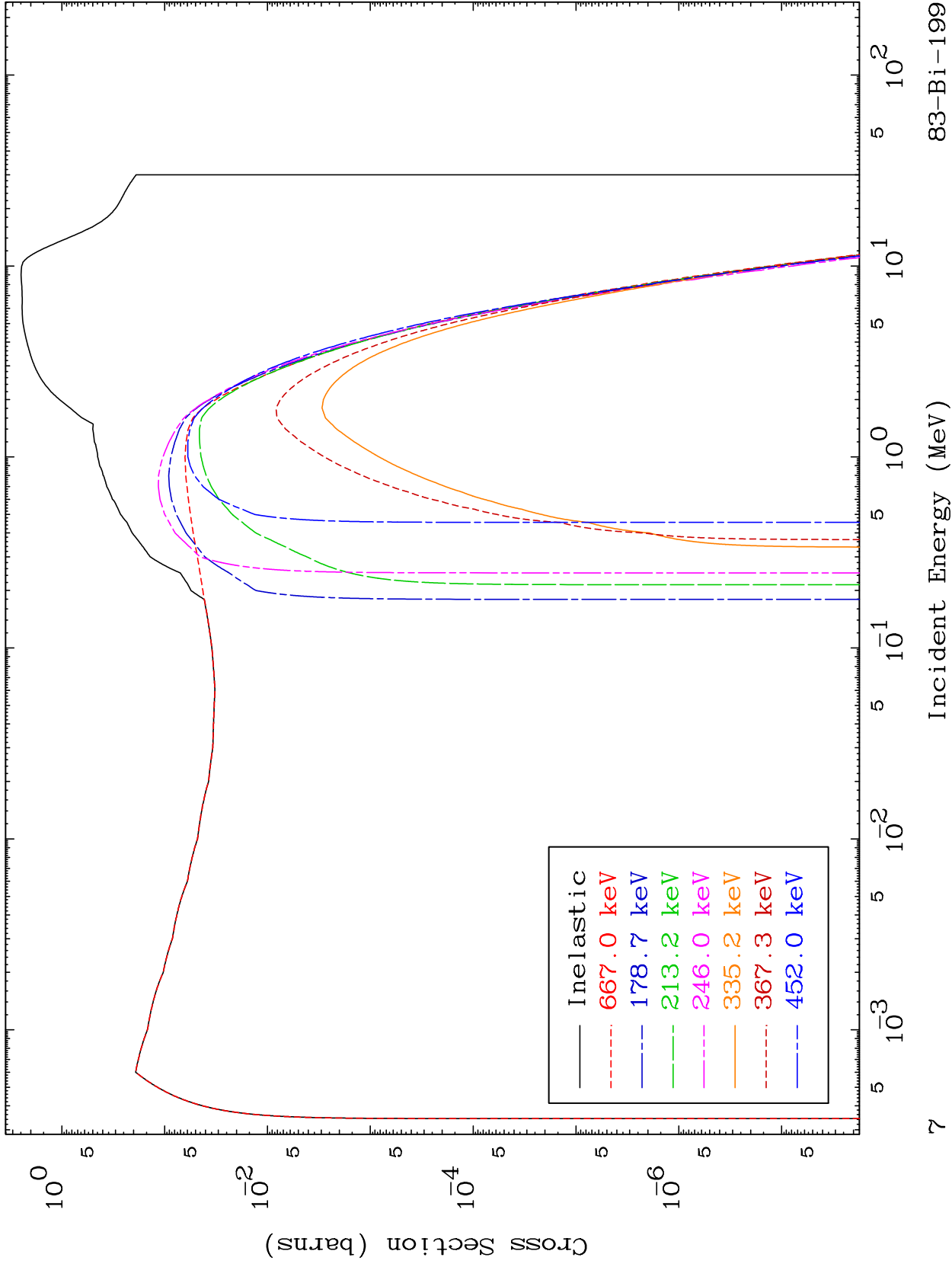
83-Bi-199



MAT 8296

(n,n') Level
293 Kelvin Cross Sections

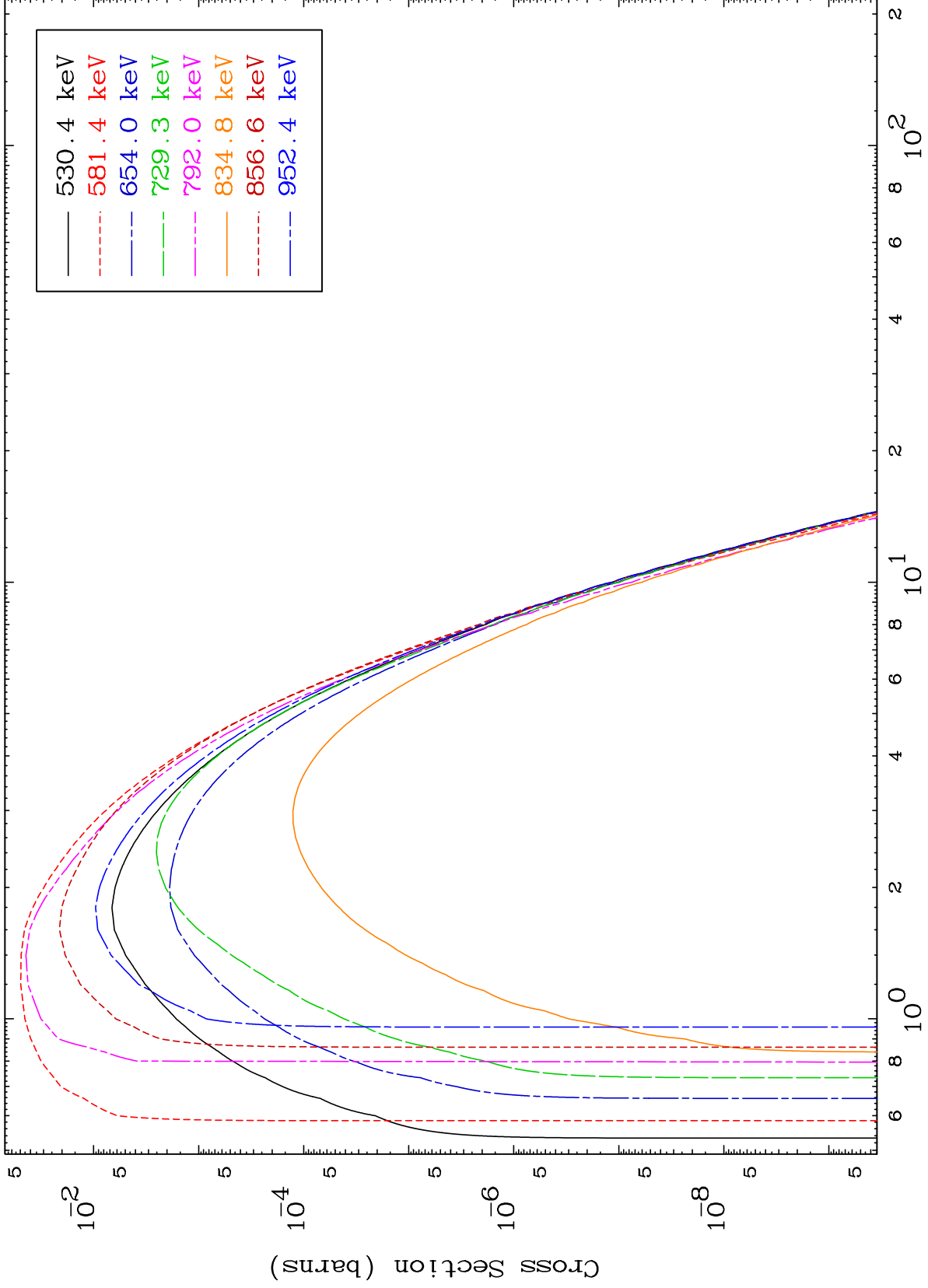
83-Bi-199



MAT 8296

(n,n') Level
293 Kelvin Cross Sections

83-Bi-199



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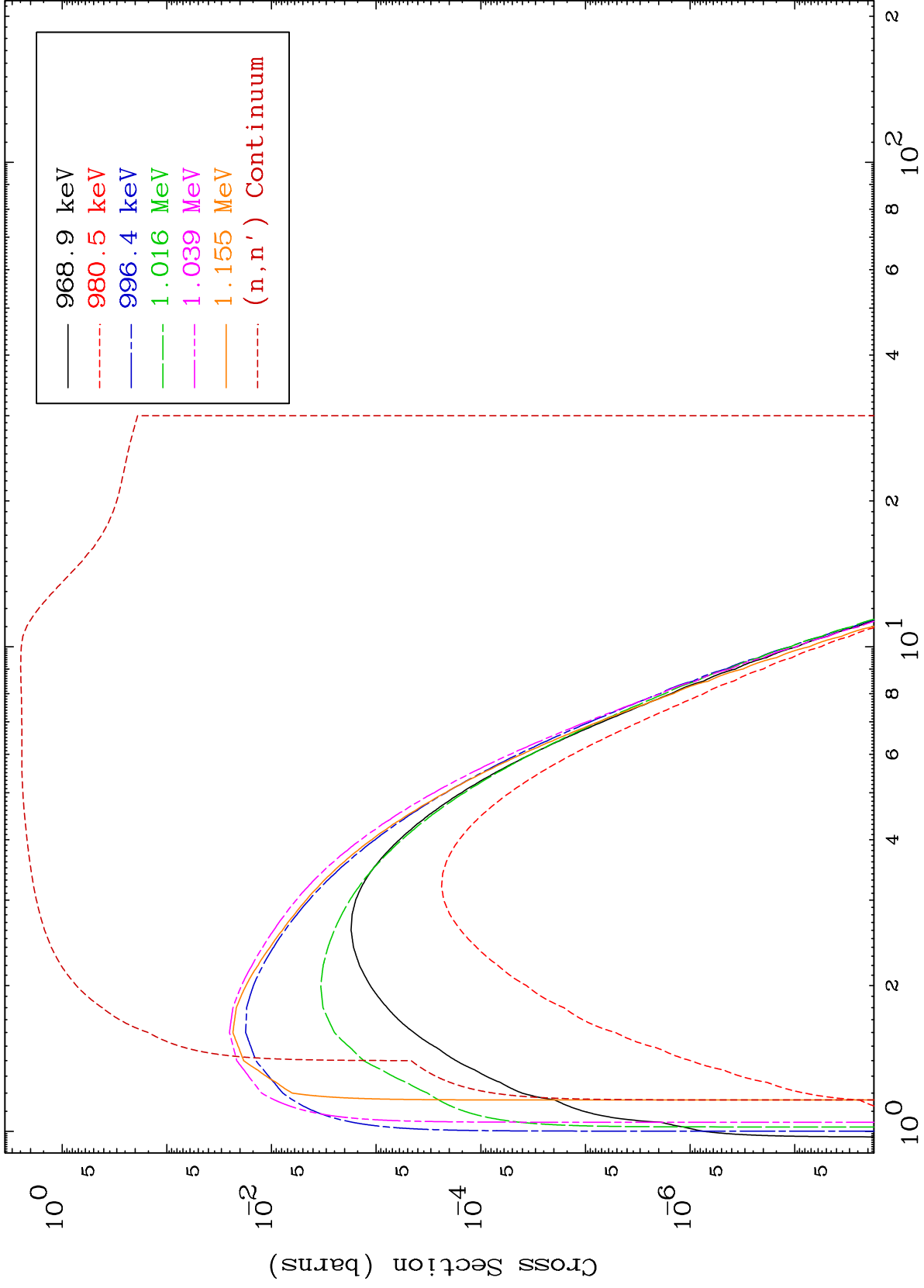
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,n') Level
293 Kelvin Cross Sections

83-Bi-199



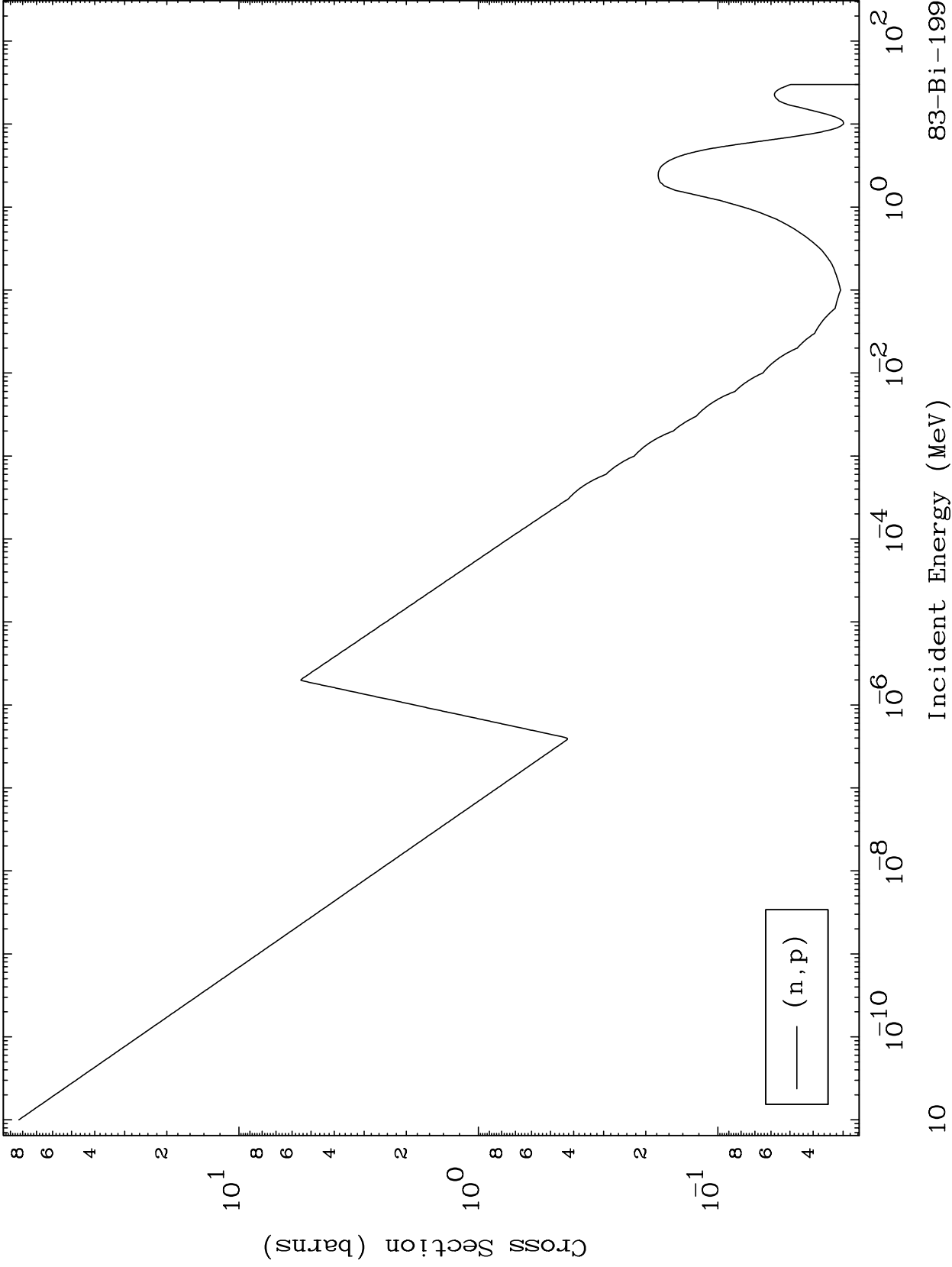
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-199

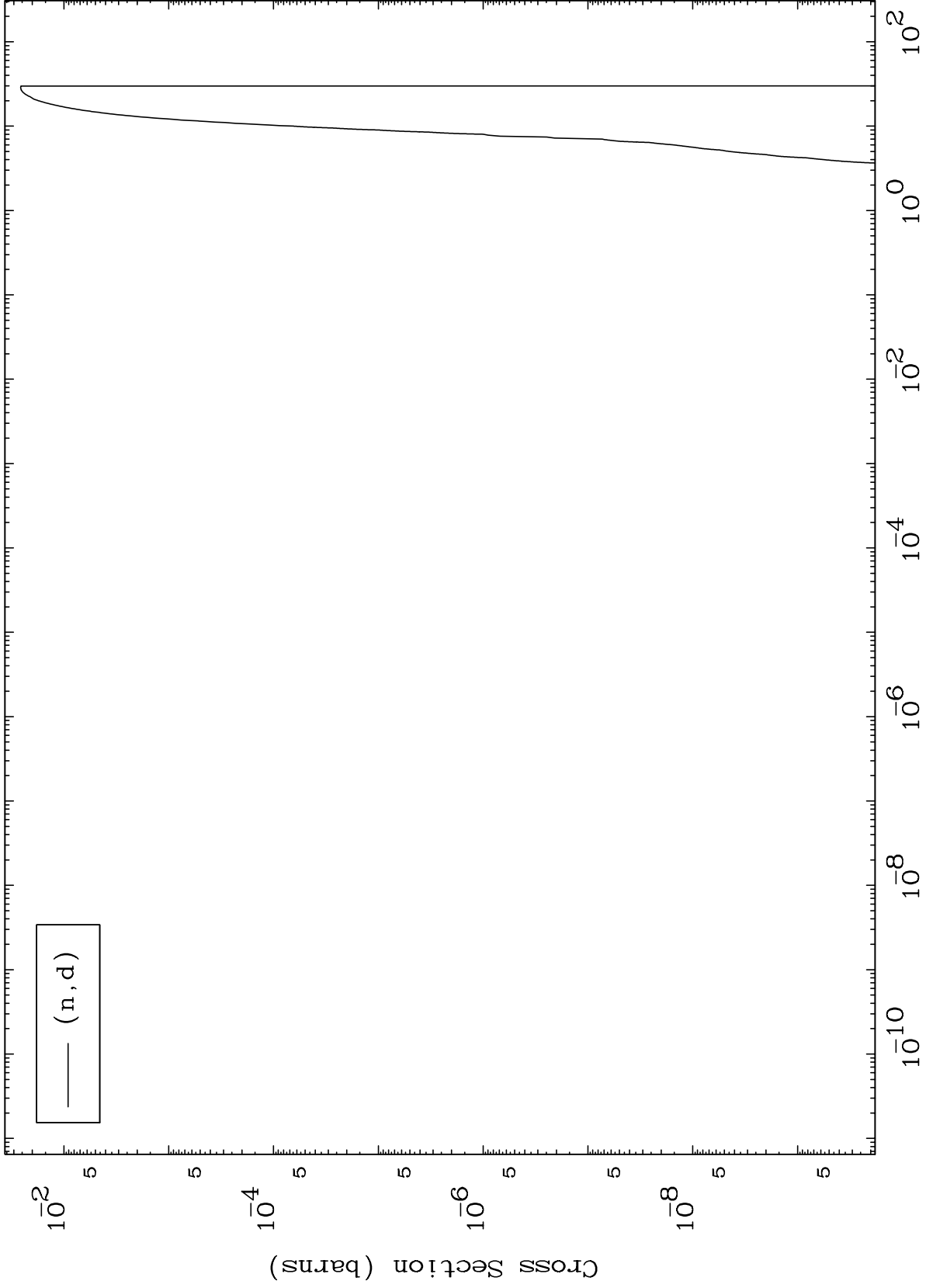


10

MAT 8296

(n,d) Levels
293 Kelvin Cross Sections

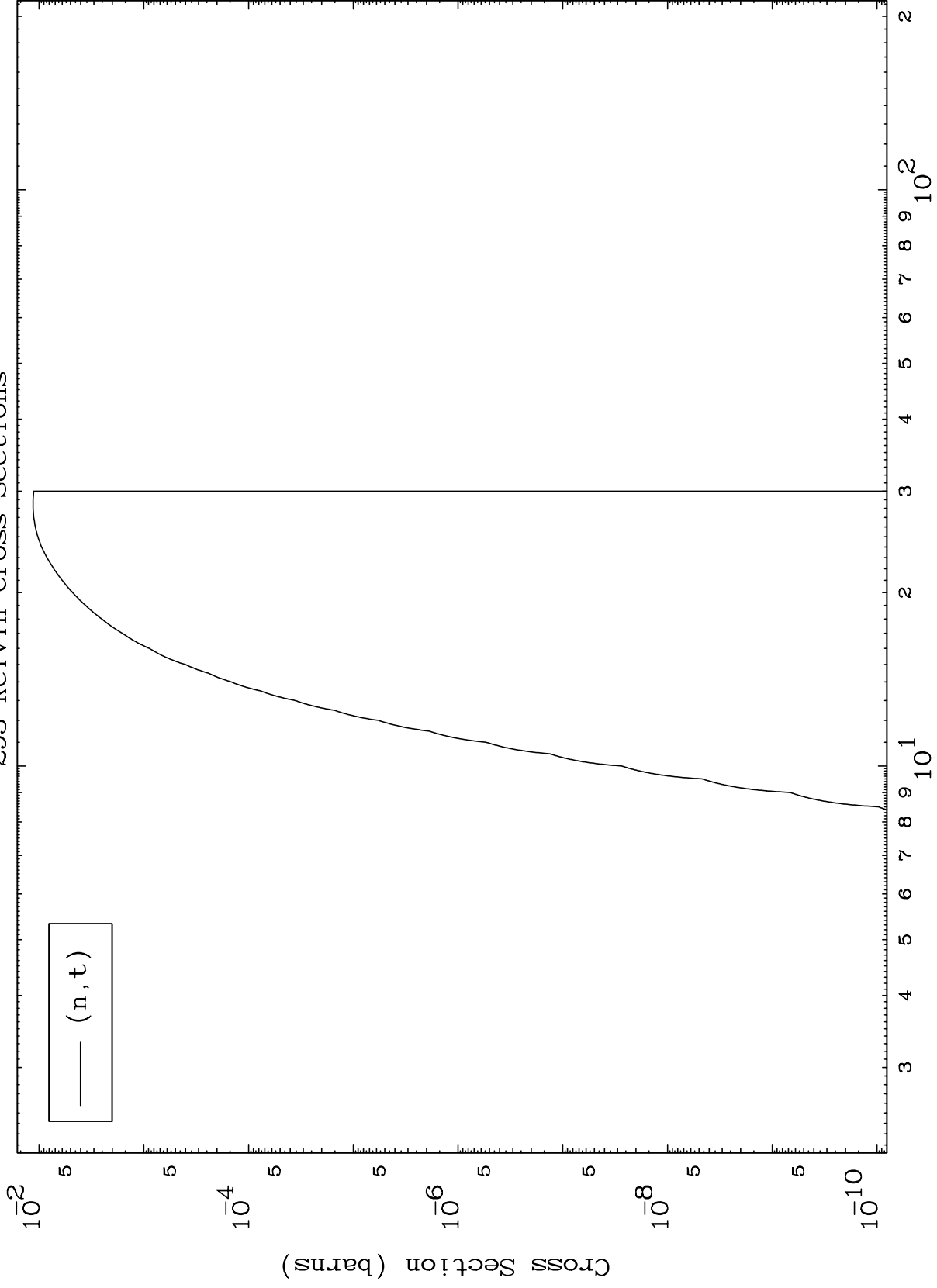
83-Bi-199



MAT 8296

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-199



12

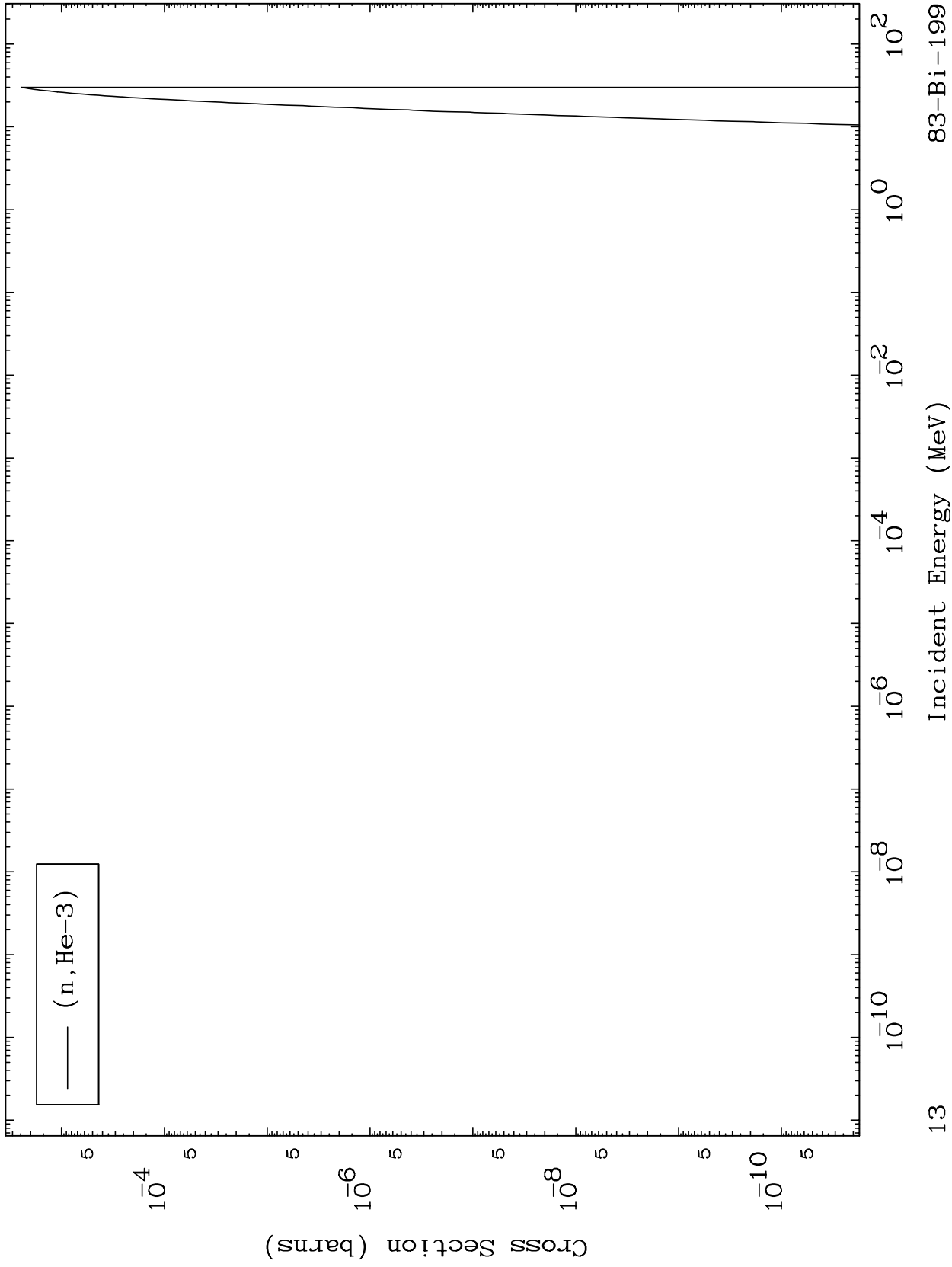
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-199



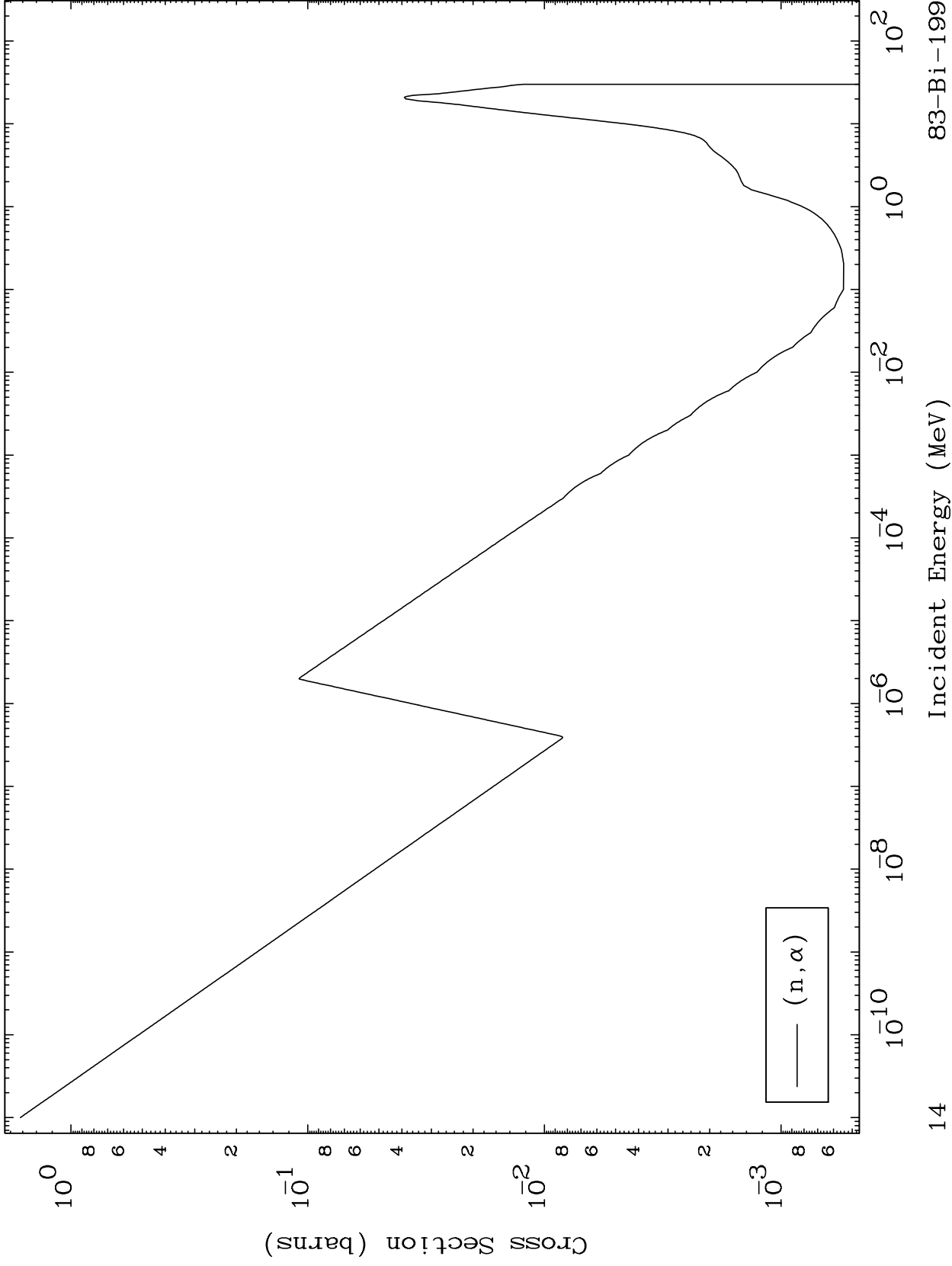
13

83-Bi-199

MAT 8296

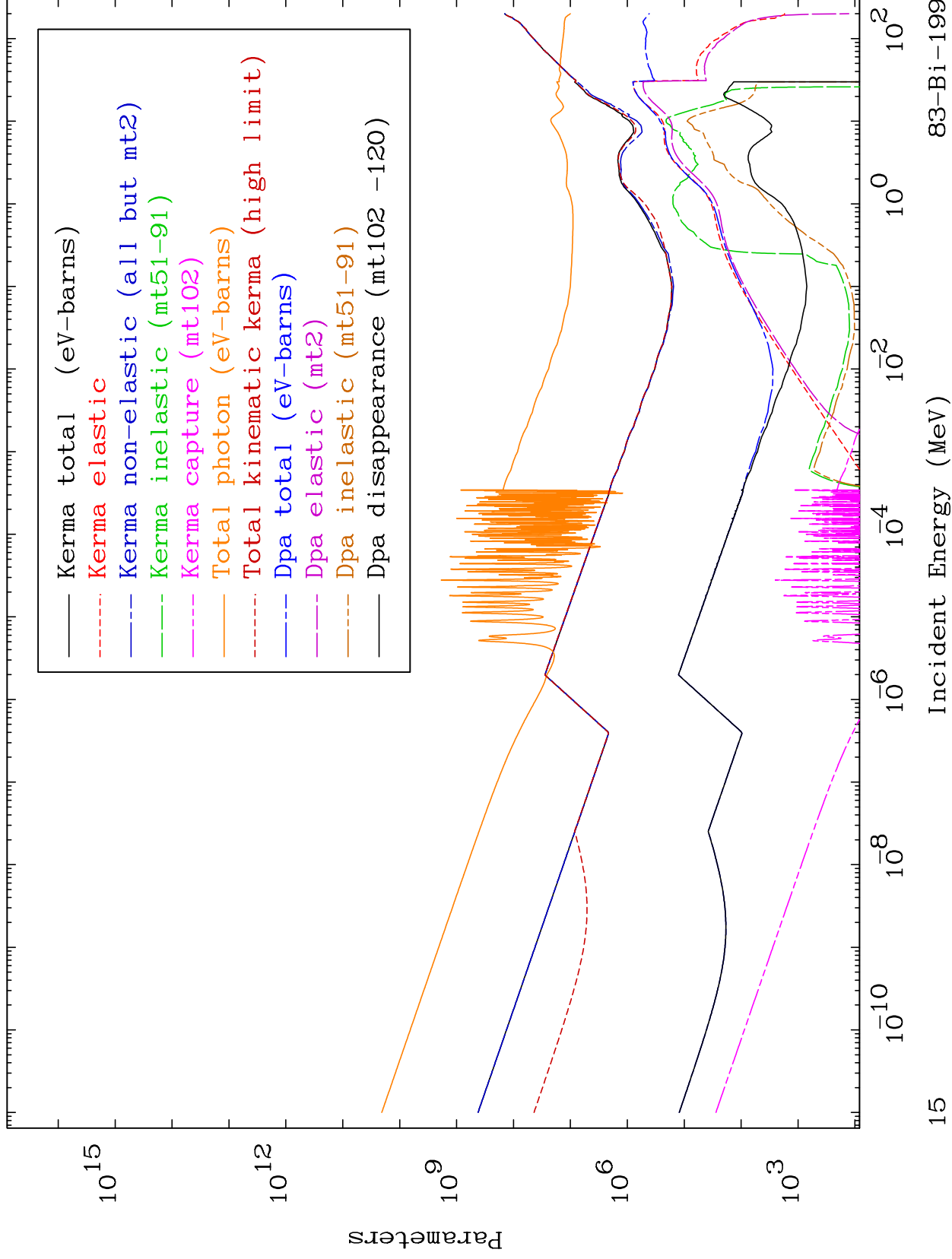
(n,α) Levels
293 Kelvin Cross Sections

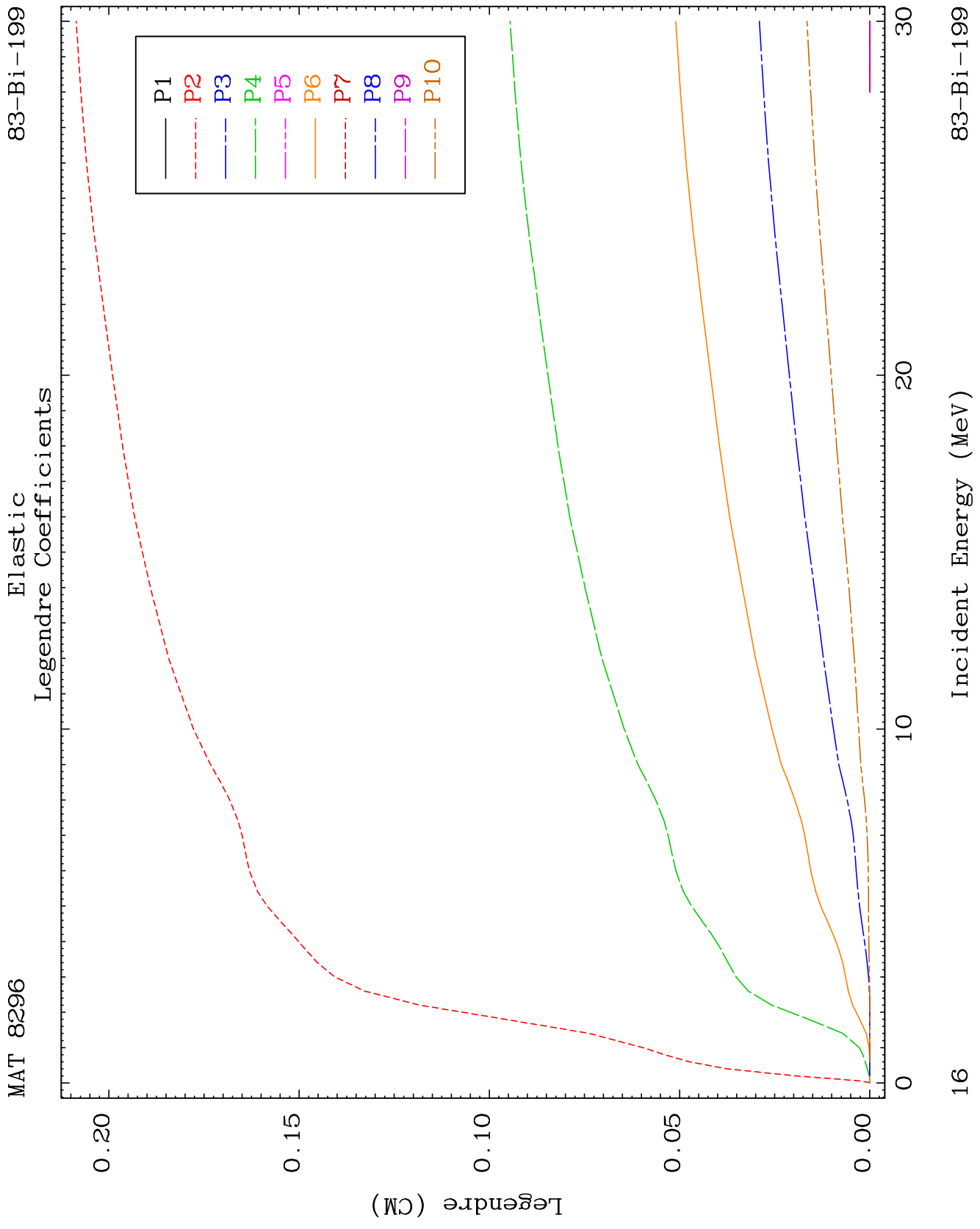
83-Bi-199



14

83-Bi-199





83-Bi-199

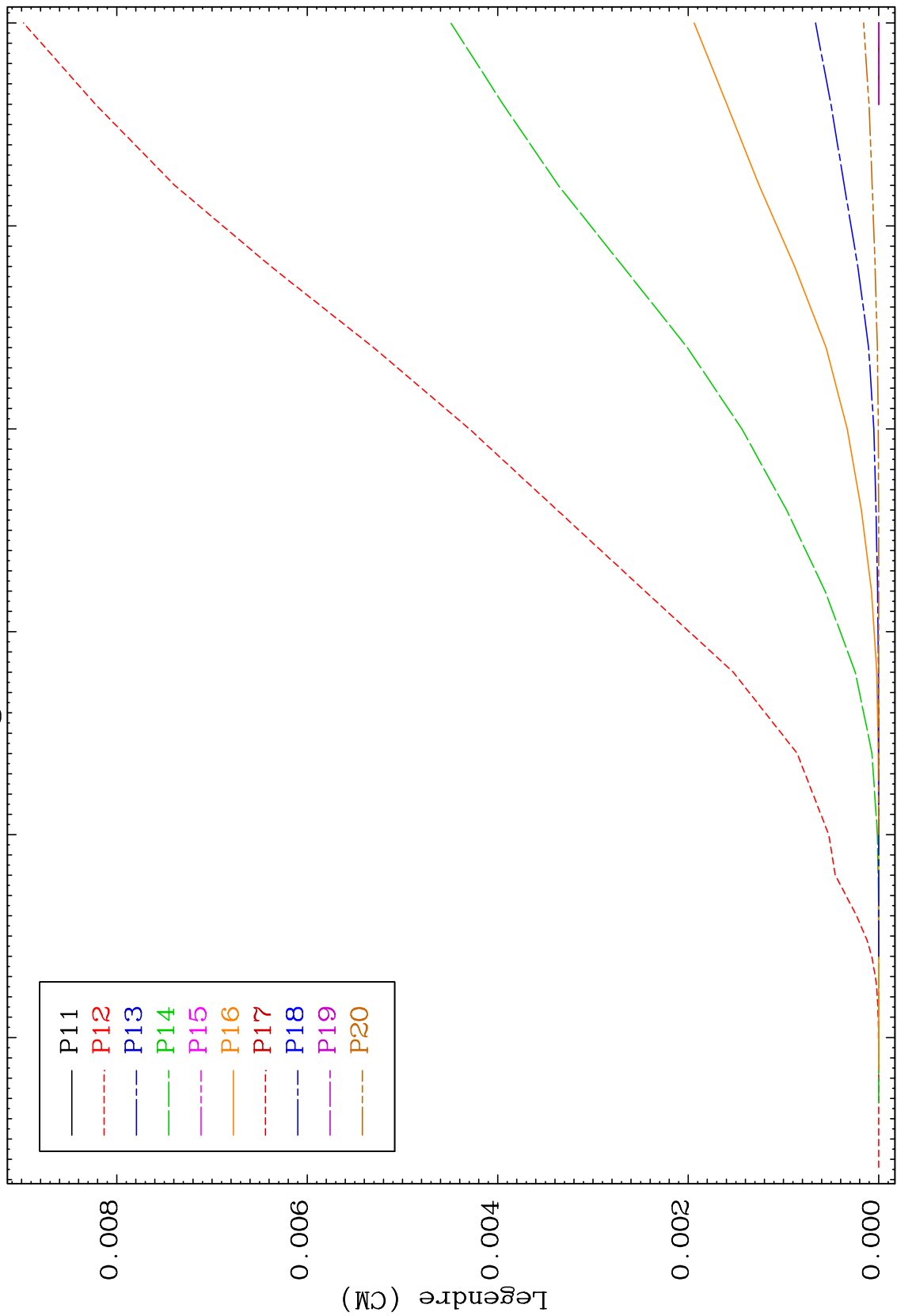
Incident Energy (MeV)

16

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Elastic Legendre Coefficients

83-Bi-199



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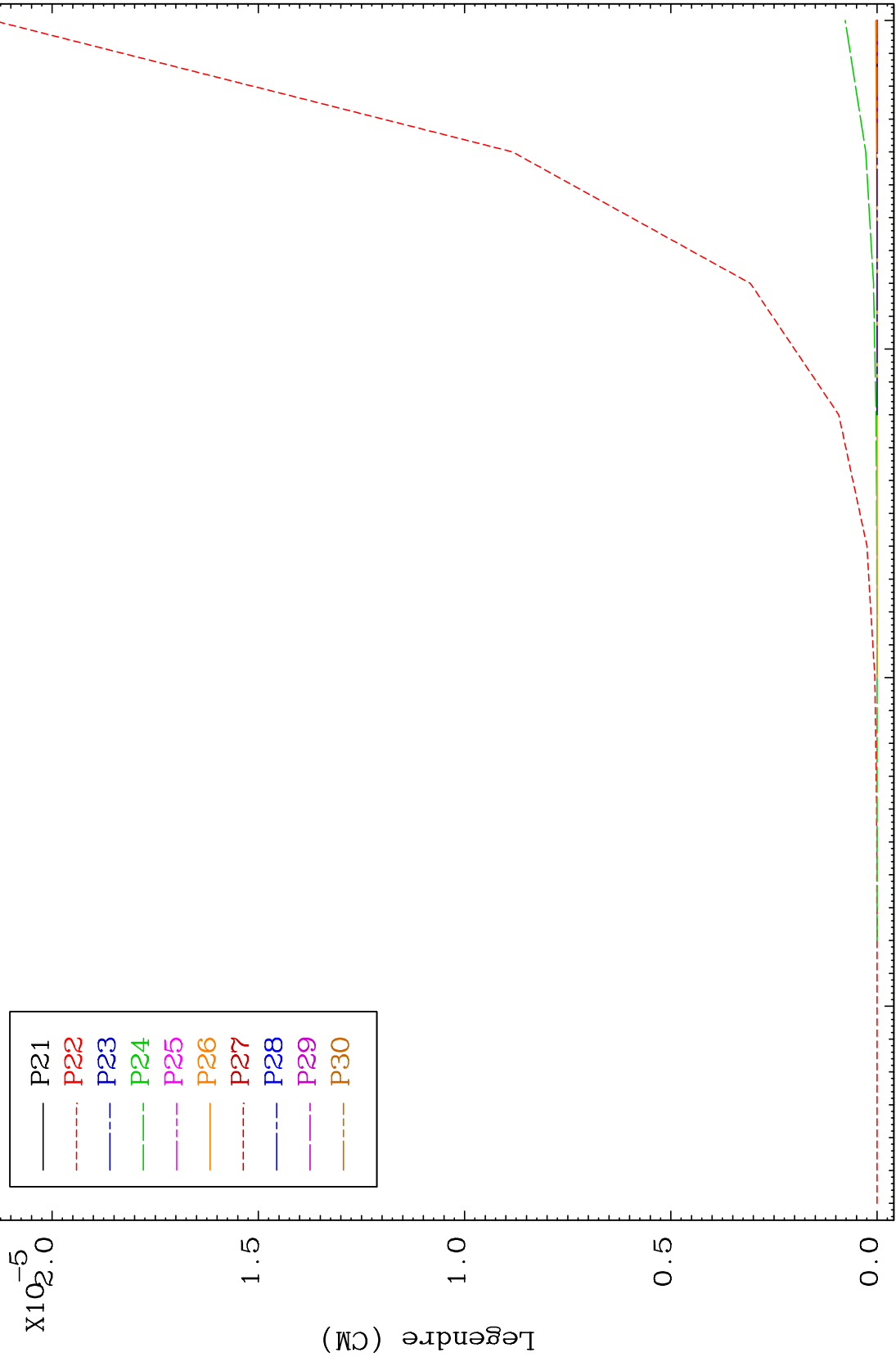
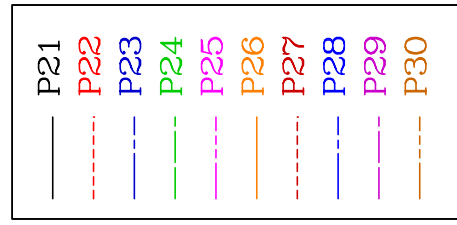
83-Bi-199

Incident Energy (MeV)

MAT 8296

Elastic Legendre Coefficients

83-Bi-199



18

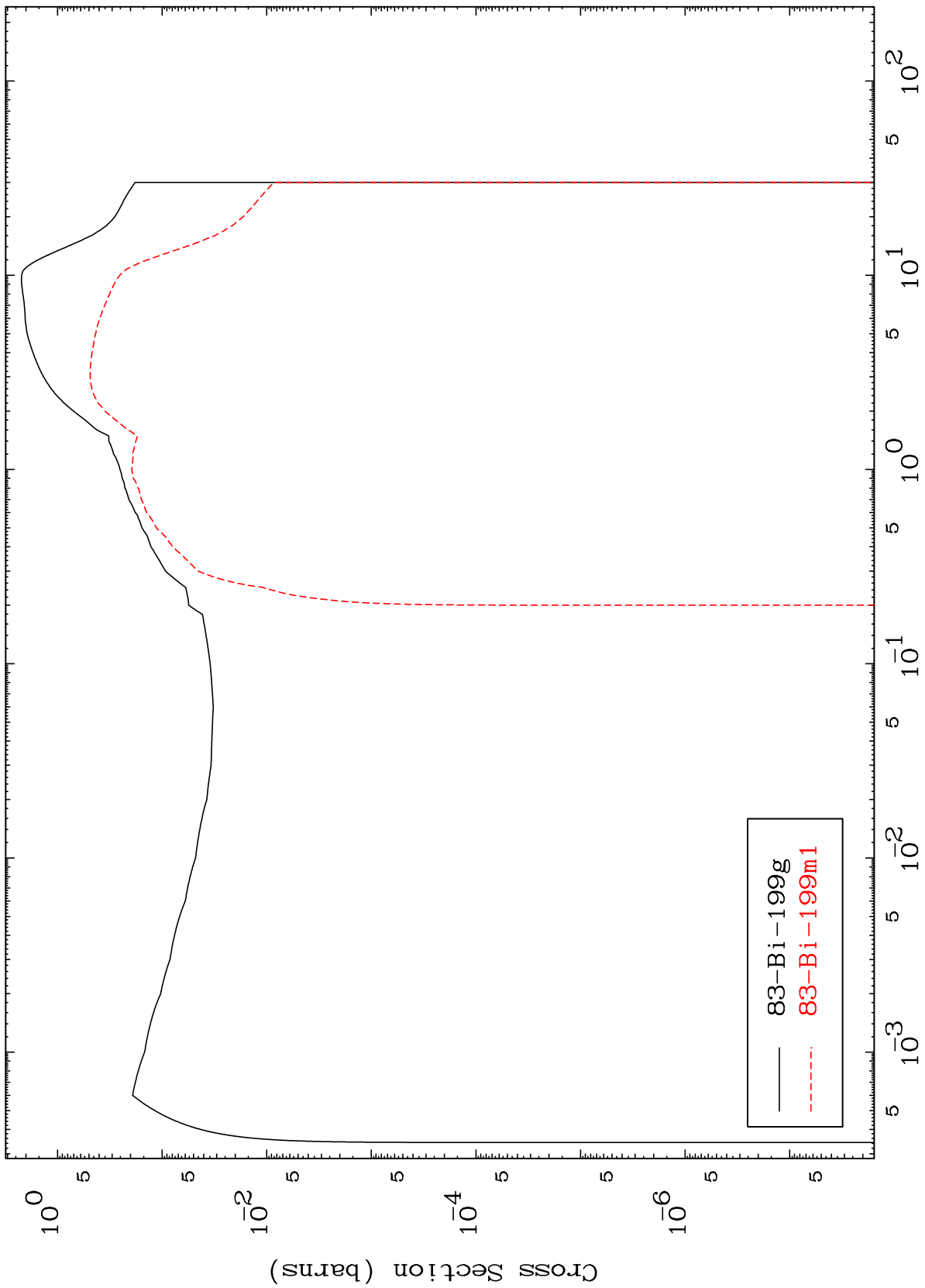
Incident Energy (MeV)

83-Bi-199

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83-Bi-199

Inelastic
Radionuclide Production Cross Section



— 83-Bi-199g
- - - 83-Bi-199m1

Incident Energy (MeV)

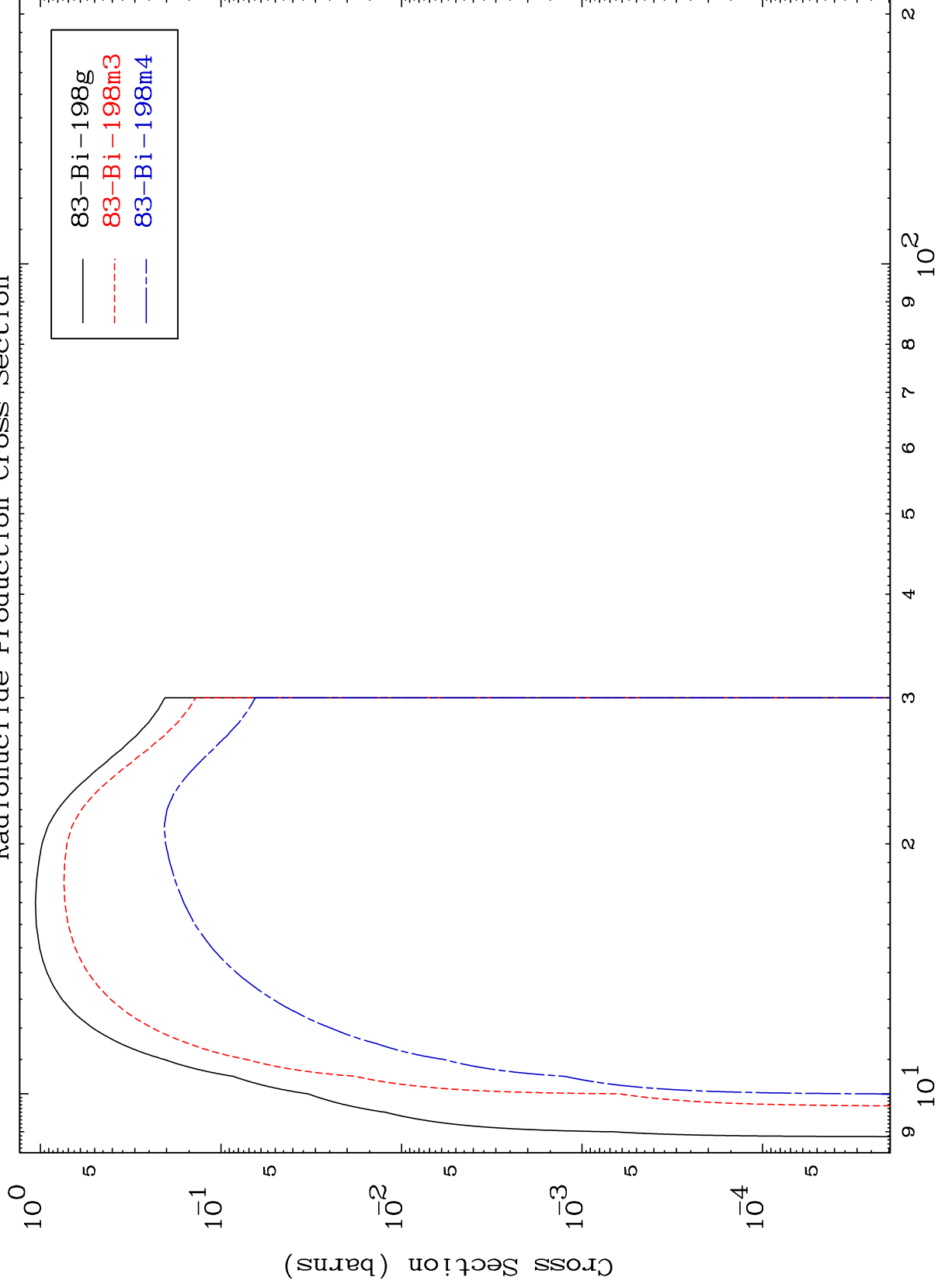
83-Bi-199

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(n,2n)

83-Bi-199

Radionuclide Production Cross Section



Incident Energy (MeV)

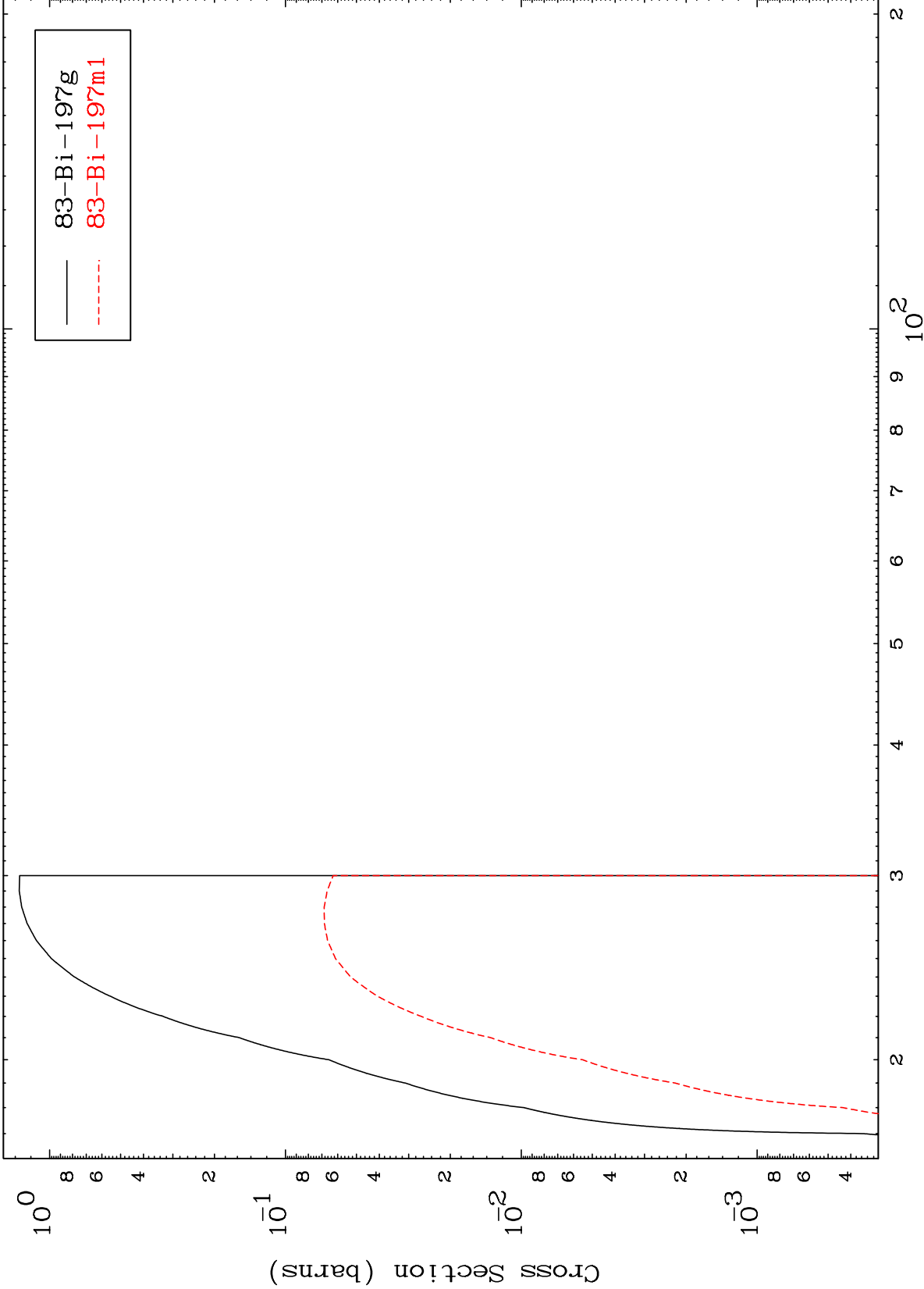
83-Bi-199

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(n,3n)

83-Bi-199

Radionuclide Production Cross Section



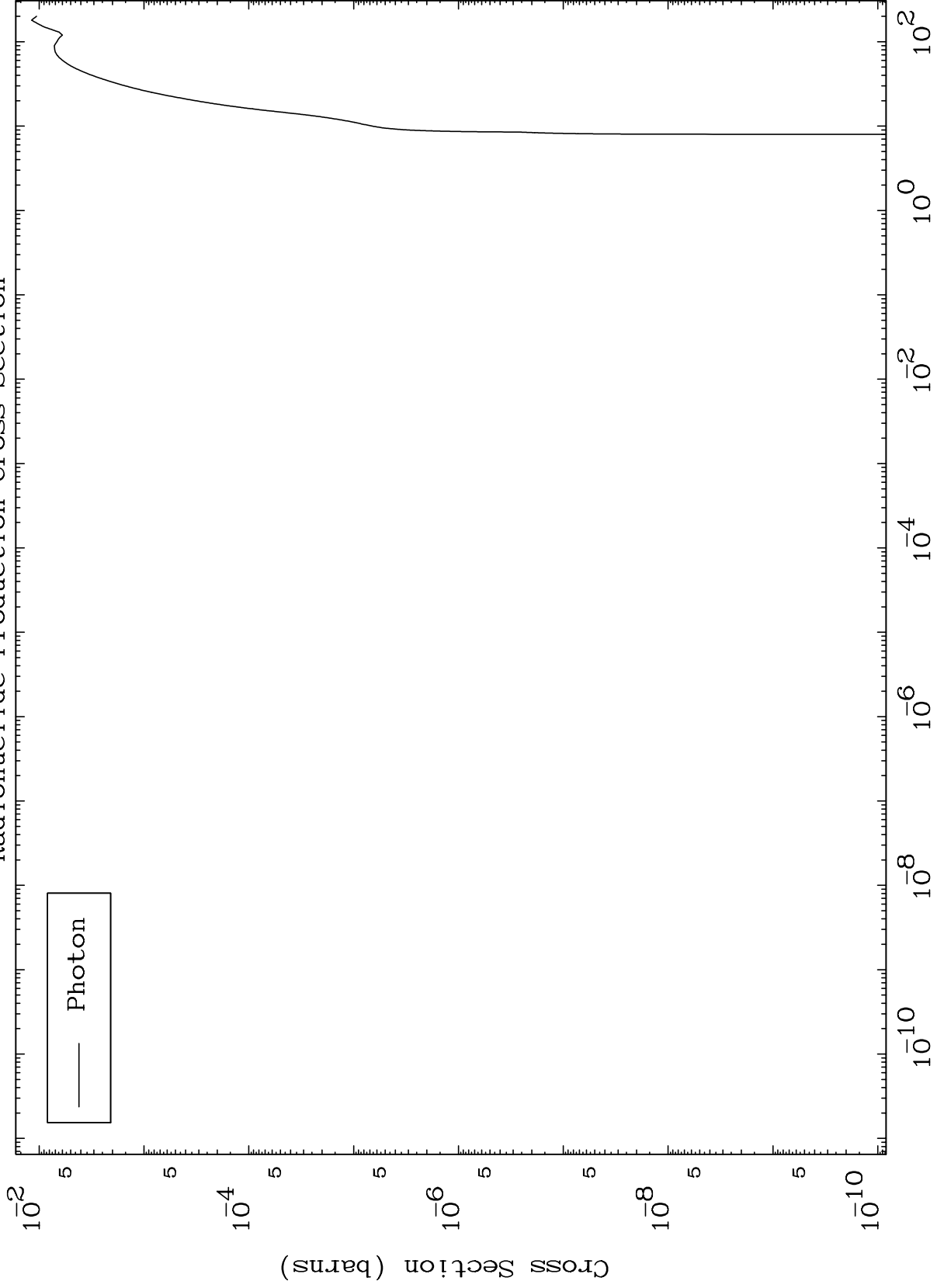
83-Bi-197g
83-Bi-197m1

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Fission

83-Bi-199

Radionuclide Production Cross Section



22

Incident Energy (MeV)

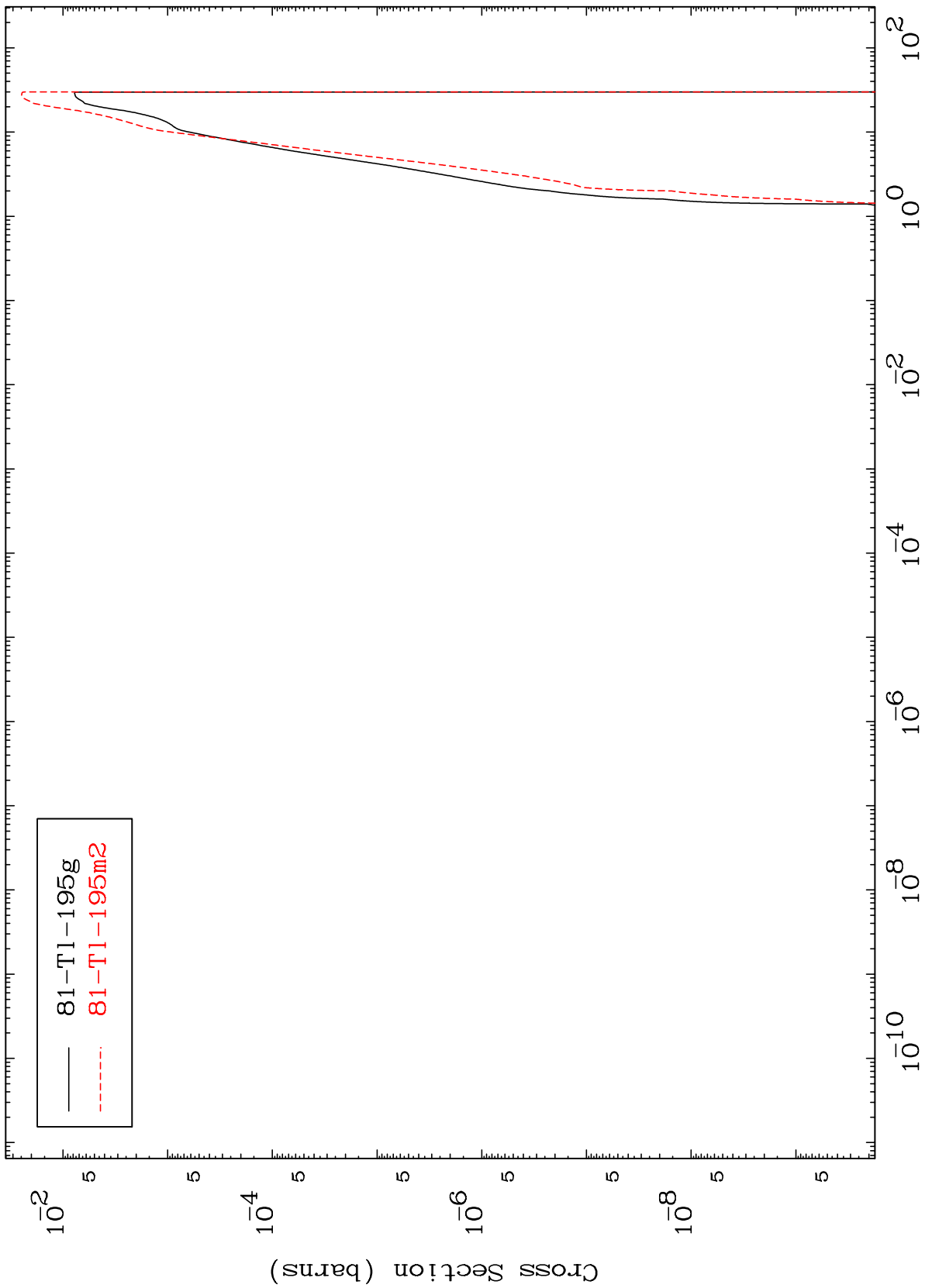
83-Bi-199

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$(n, n') \alpha$

83-Bi-199

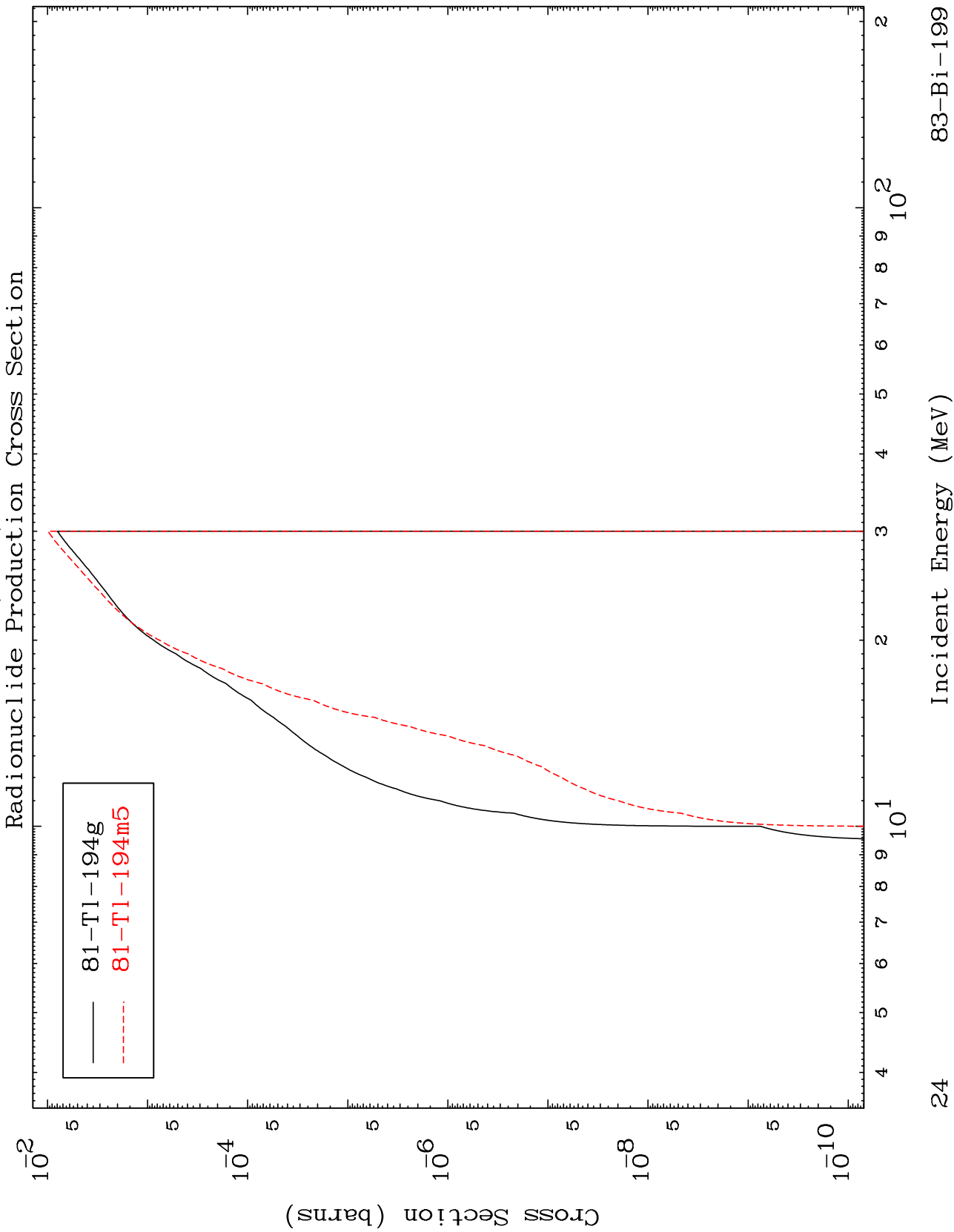
Radionuclide Production Cross Section



MAT 8296

(n,2n) α

83-Bi-199



24

Incident Energy (MeV)

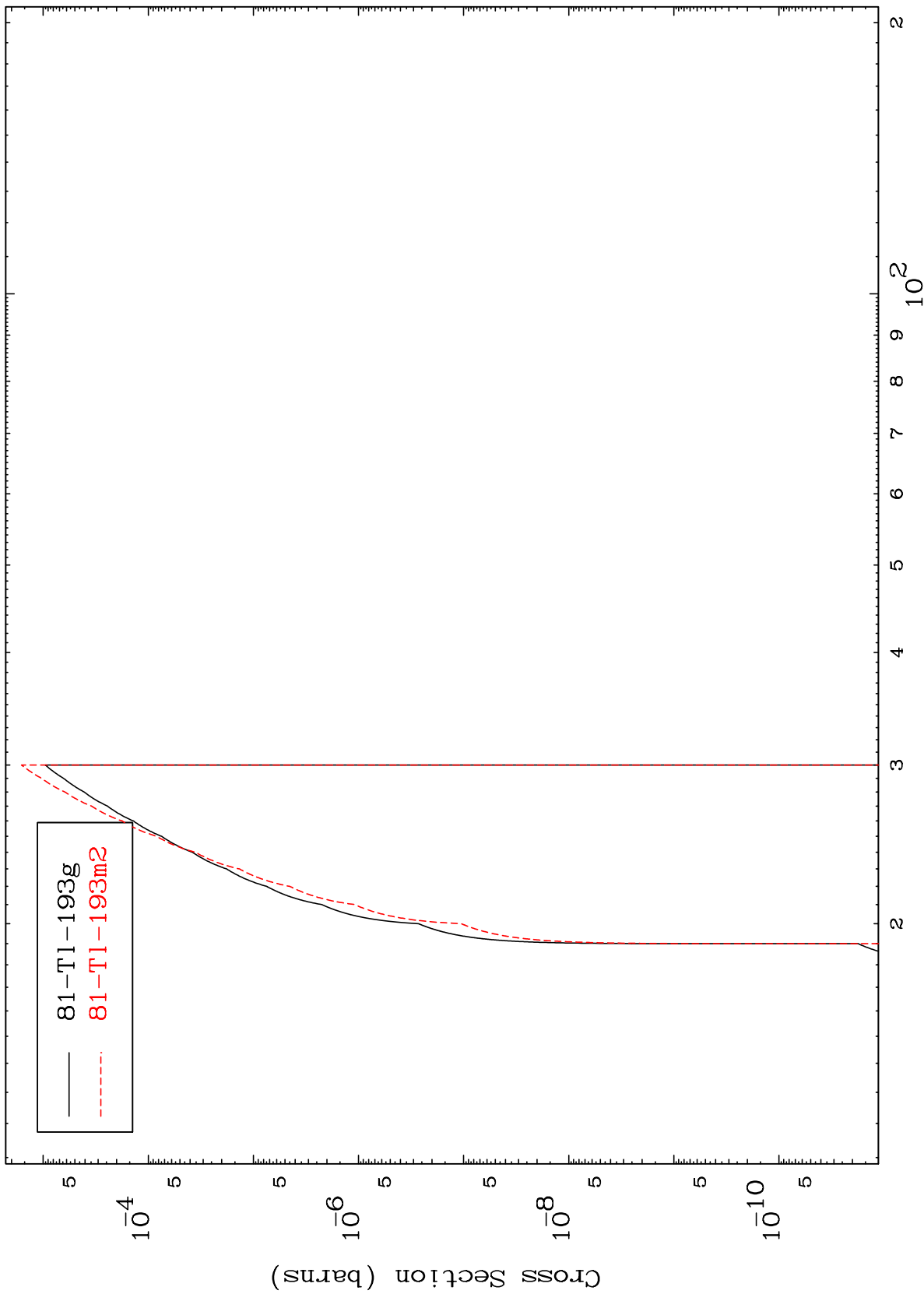
83-Bi-199

MAT 8296

(n,3n) α

83-Bi-199

Radionuclide Production Cross Section

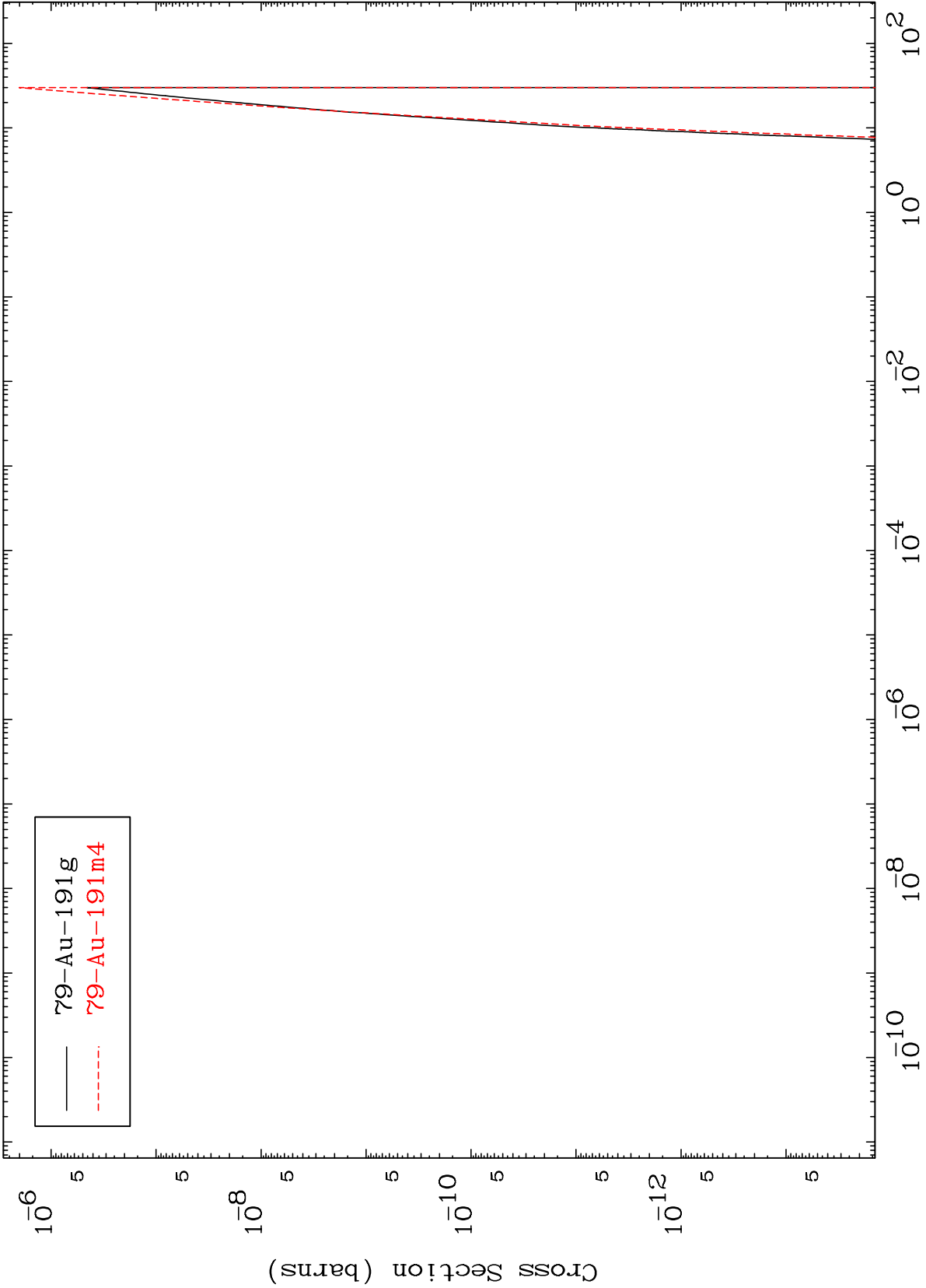


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(n,n') 2 α

83-Bi-199

Radionuclide Production Cross Section



26

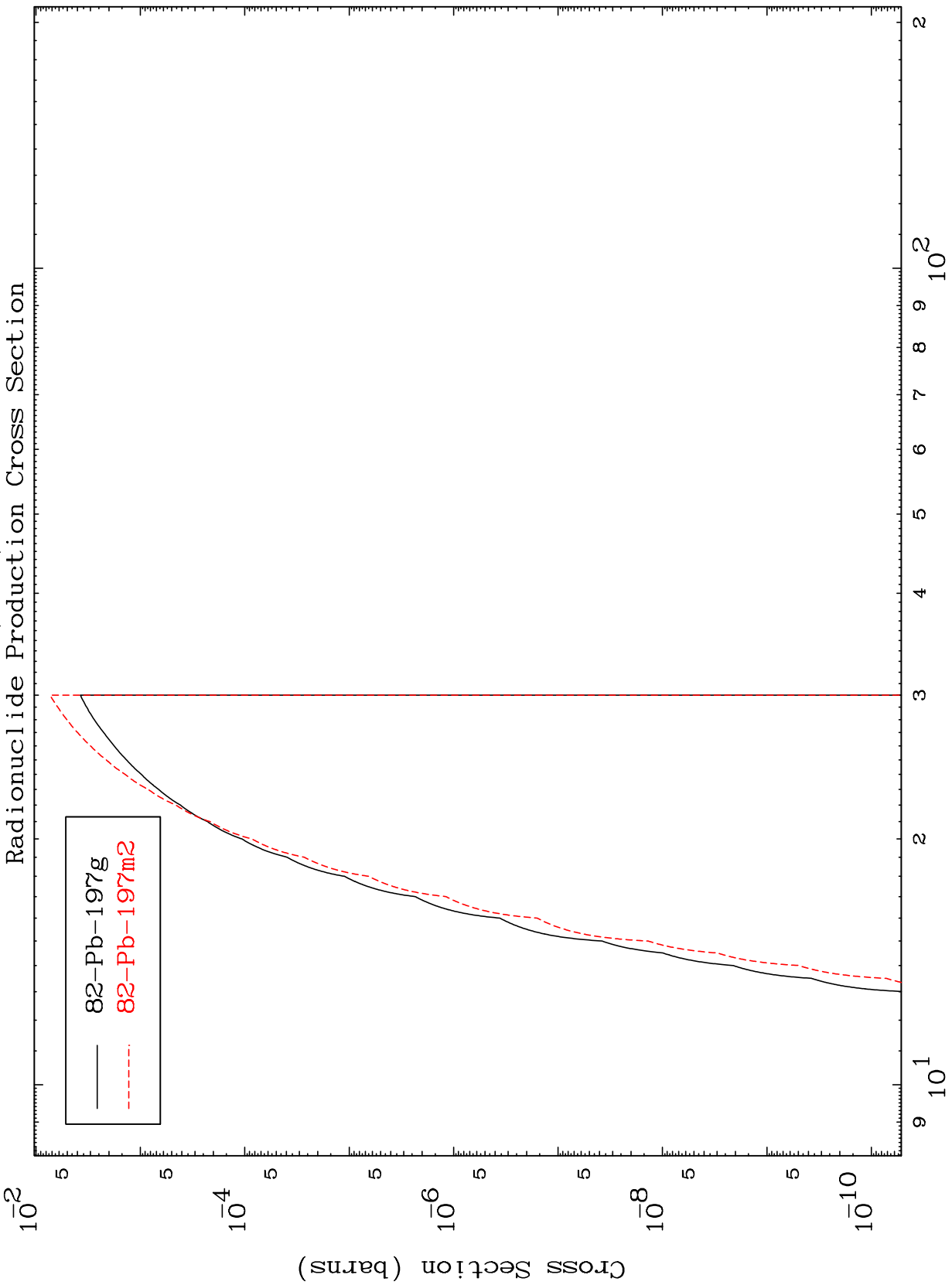
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,n') d

83-Bi-199



27

Incident Energy (MeV)

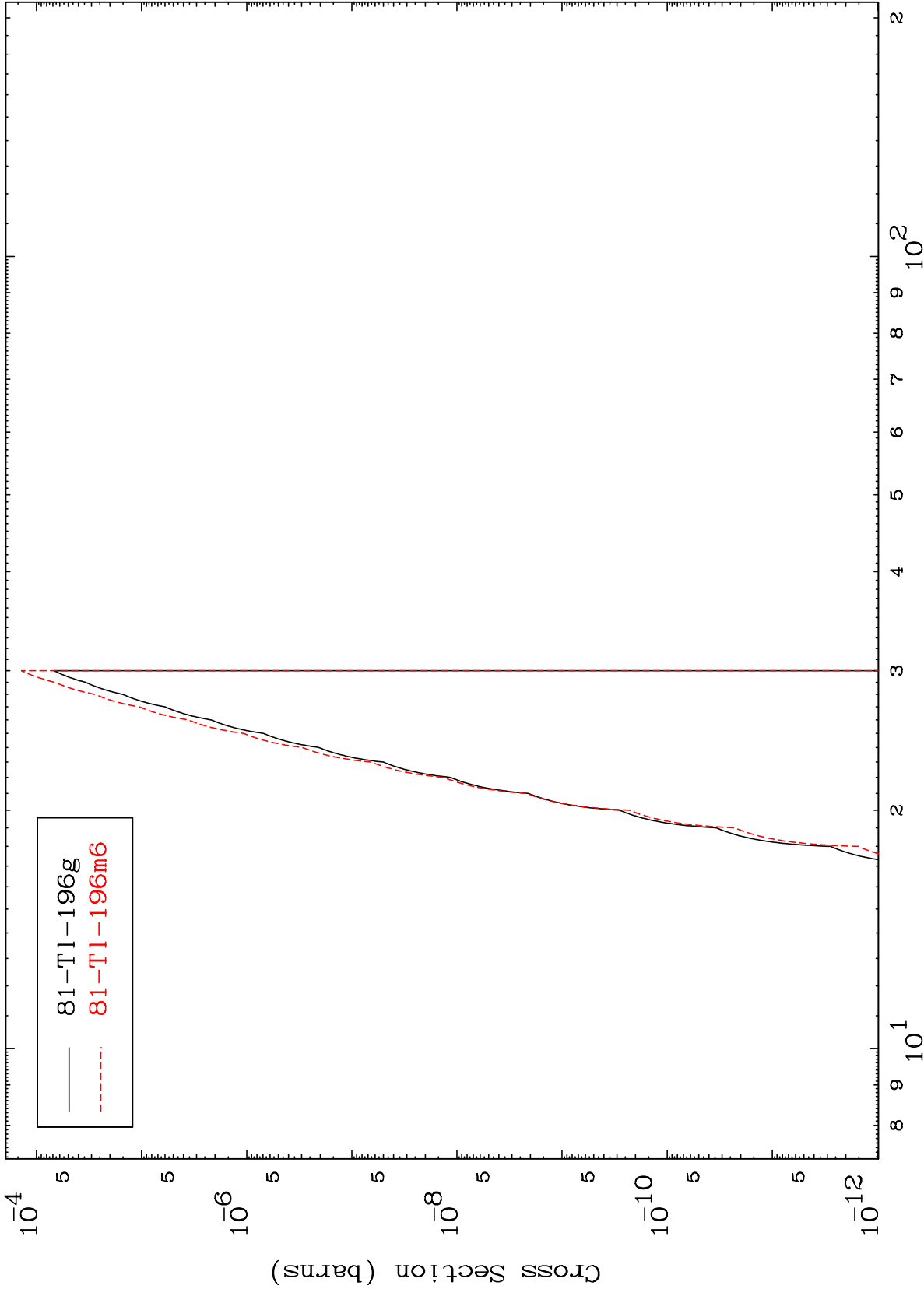
83-Bi-199

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(n,n') He-3

83-Bi-199

Radionuclide Production Cross Section



Incident Energy (MeV)

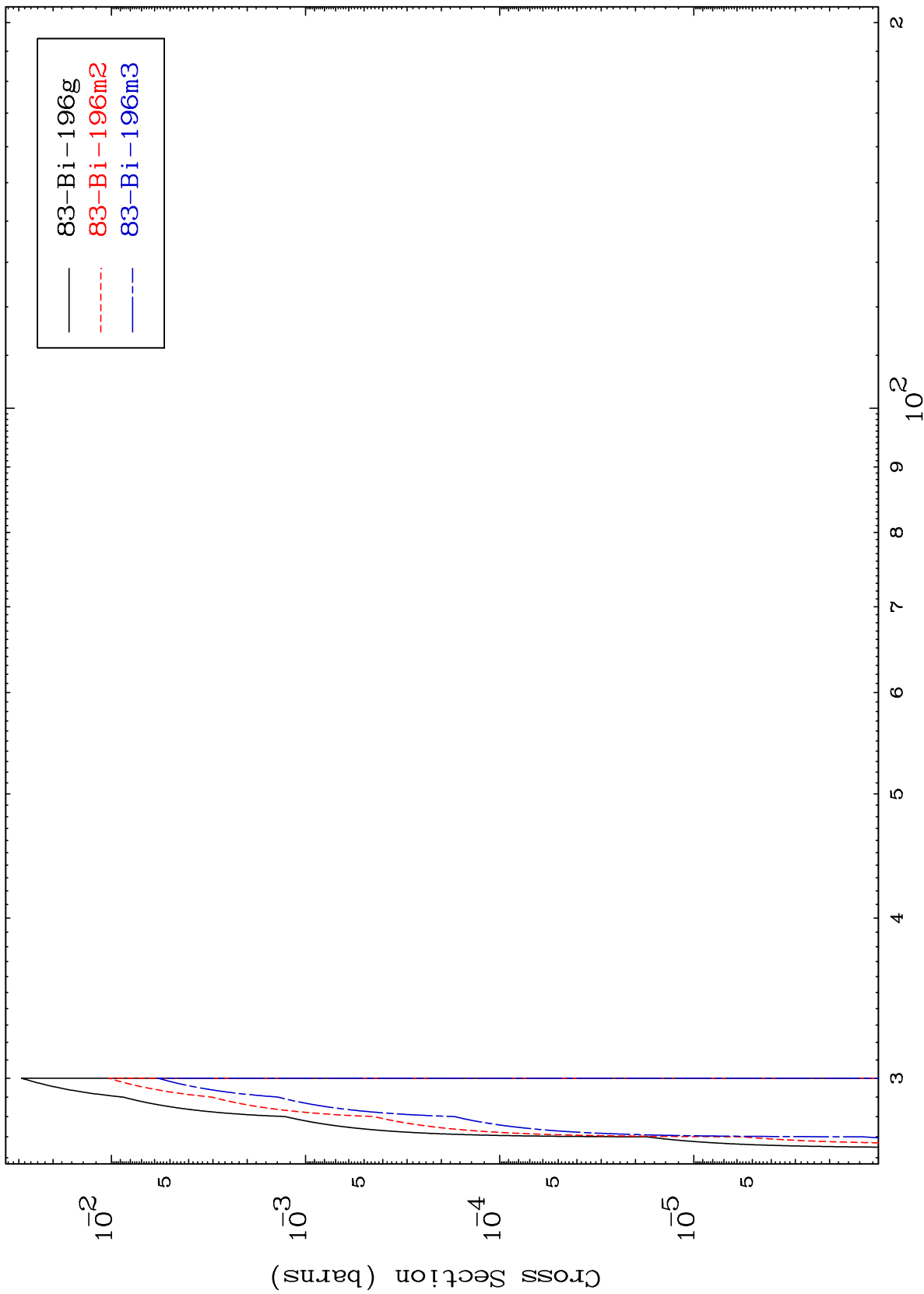
83-Bi-199

28

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83-Bi-199

(n,4n)
Radionuclide Production Cross Section



29

83-Bi-199

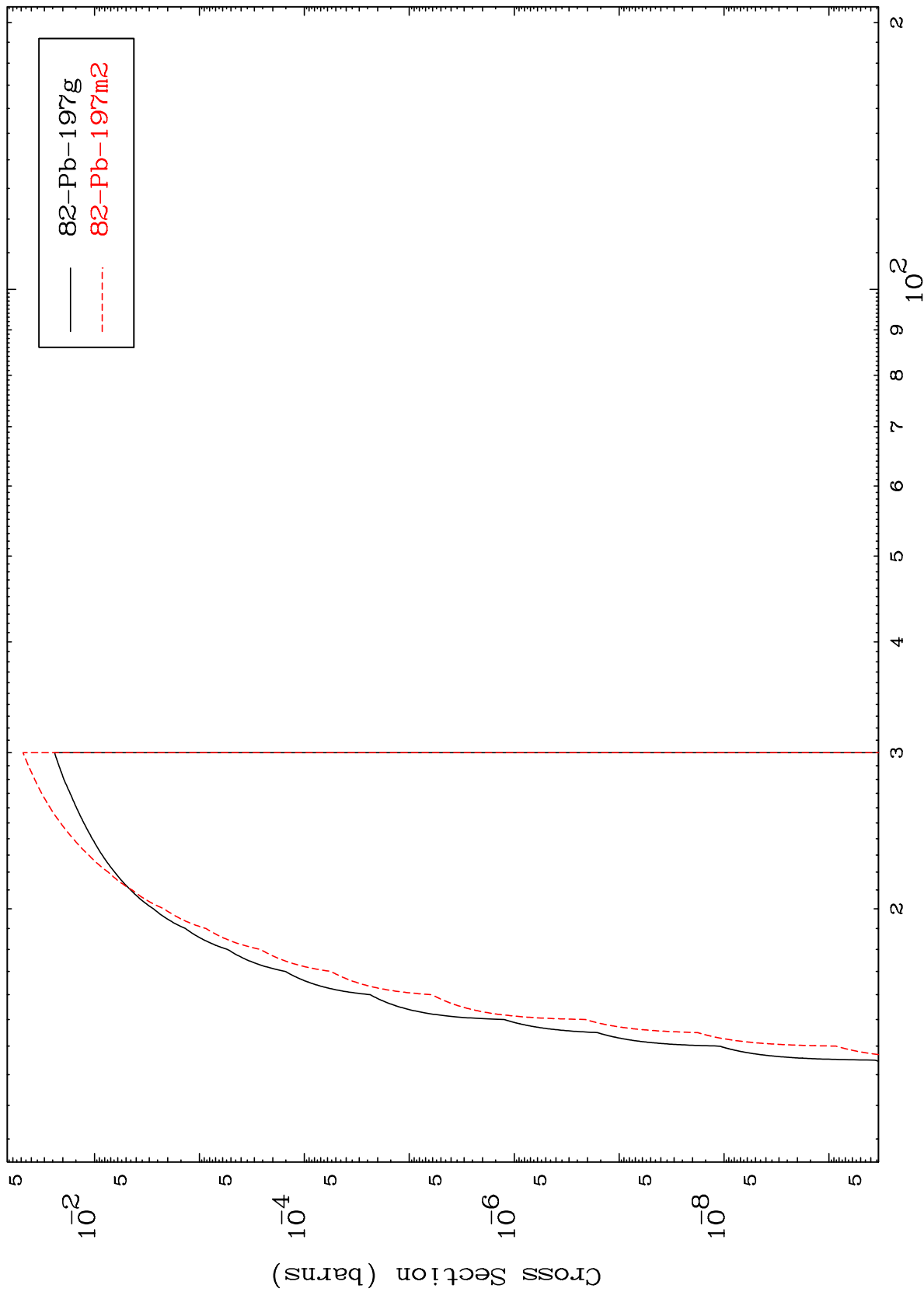
Incident Energy (MeV)

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$(n,2n)$ p

83-Bi-199

Radionuclide Production Cross Section



30

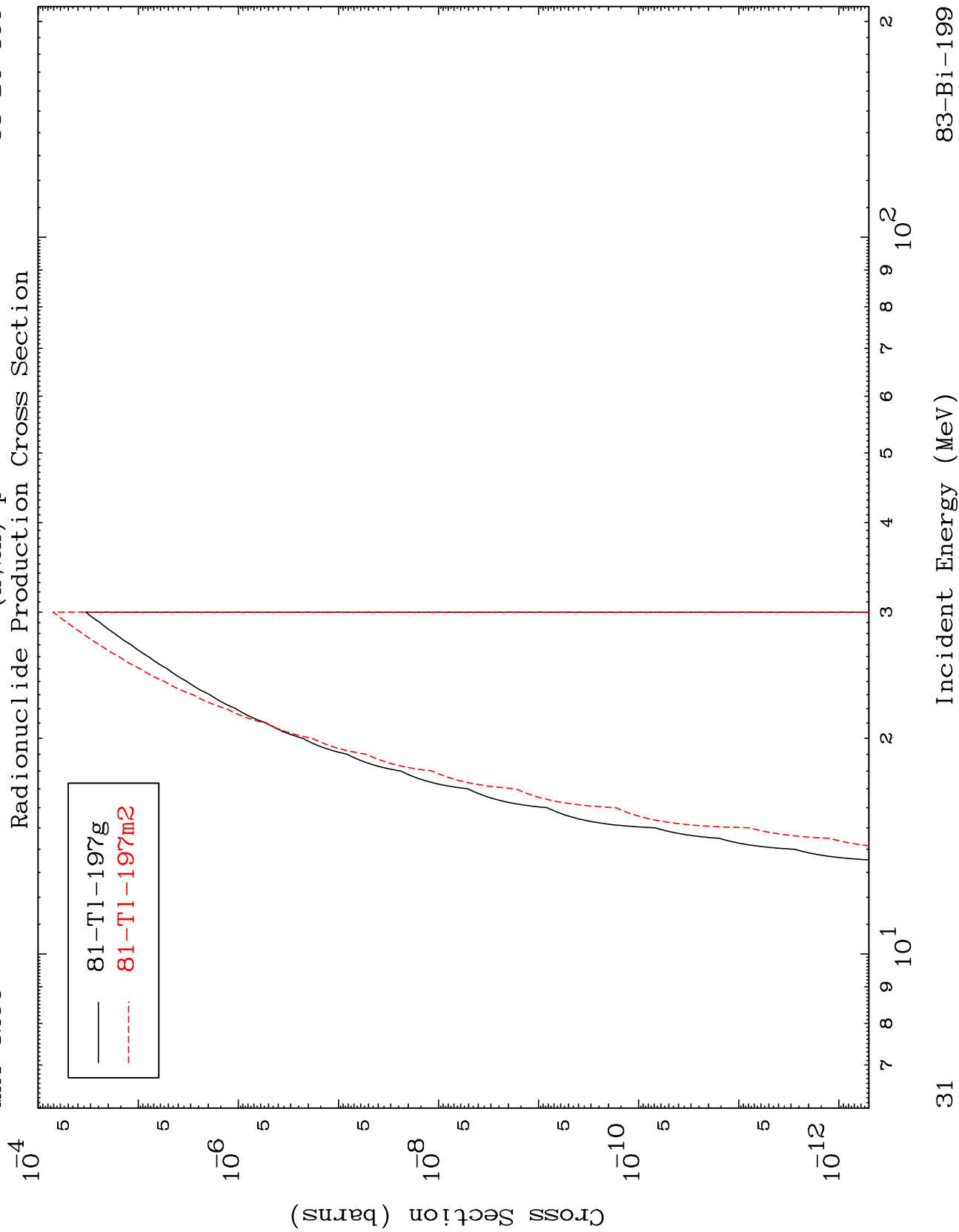
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,2n) p

83-Bi-199

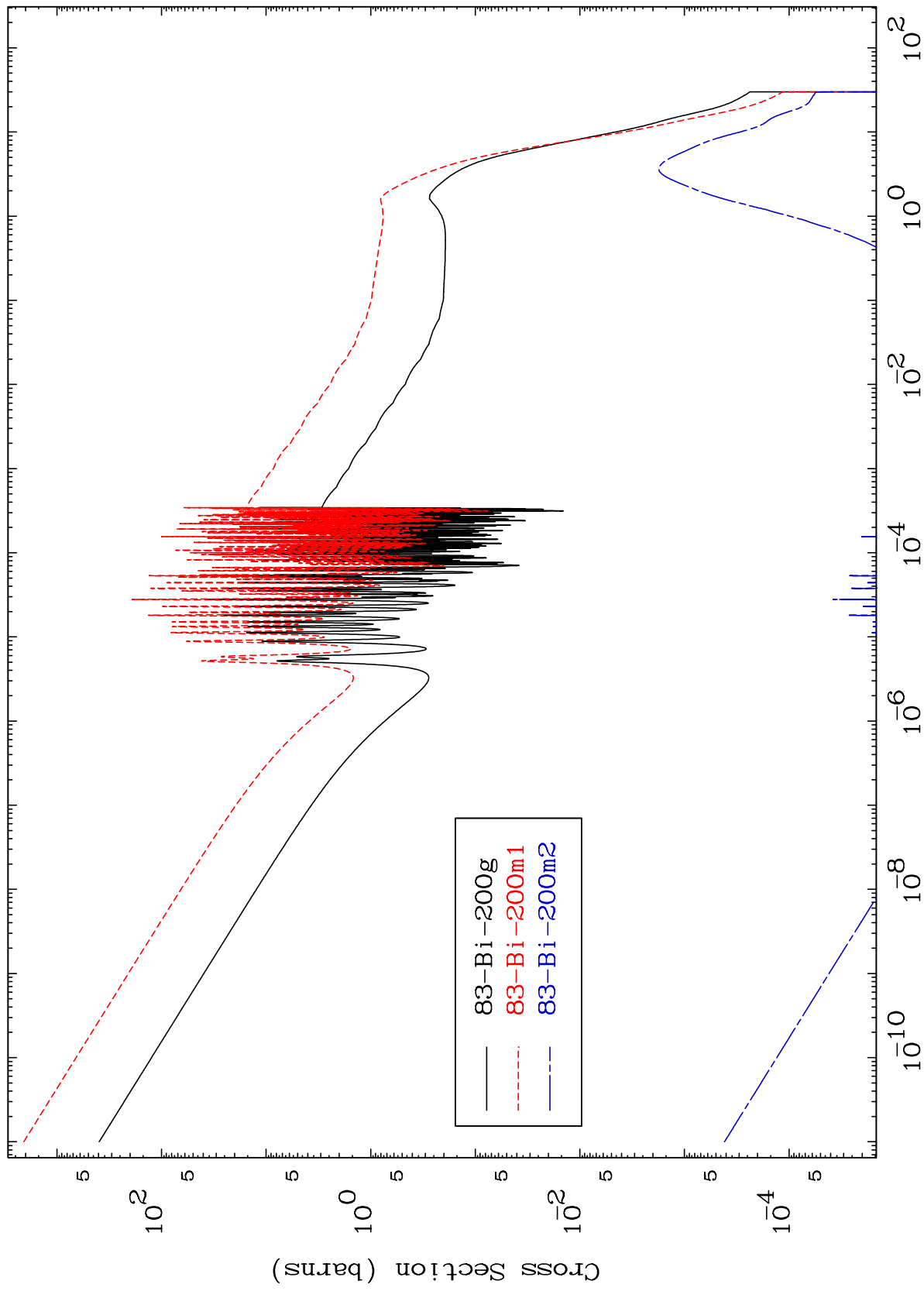


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⁸³Bi-199

Radionuclide Production Cross Section

(n,γ)



⁸³Bi-199

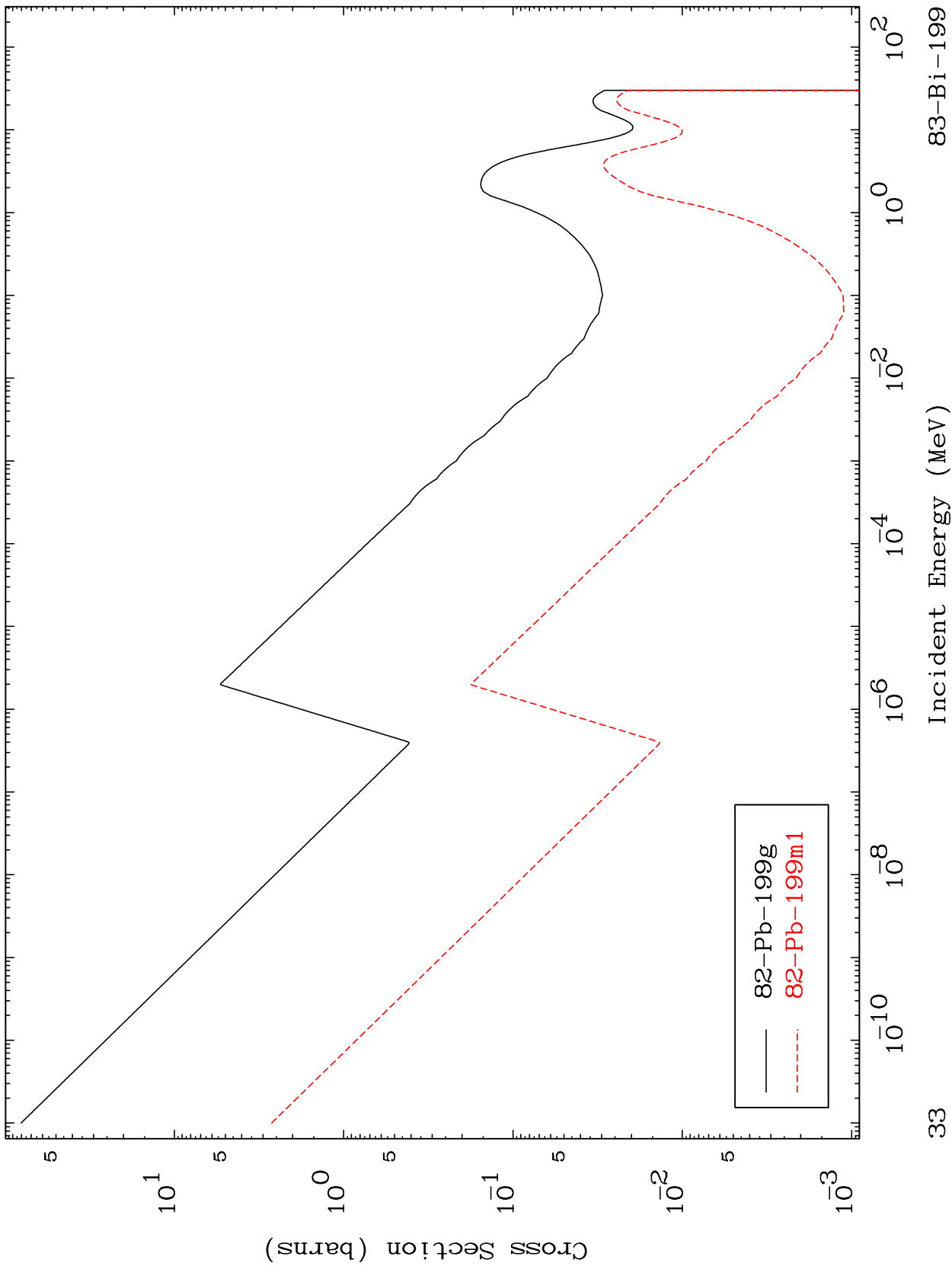
Incident Energy (MeV)

32

MAT 8296

83-Bi-199

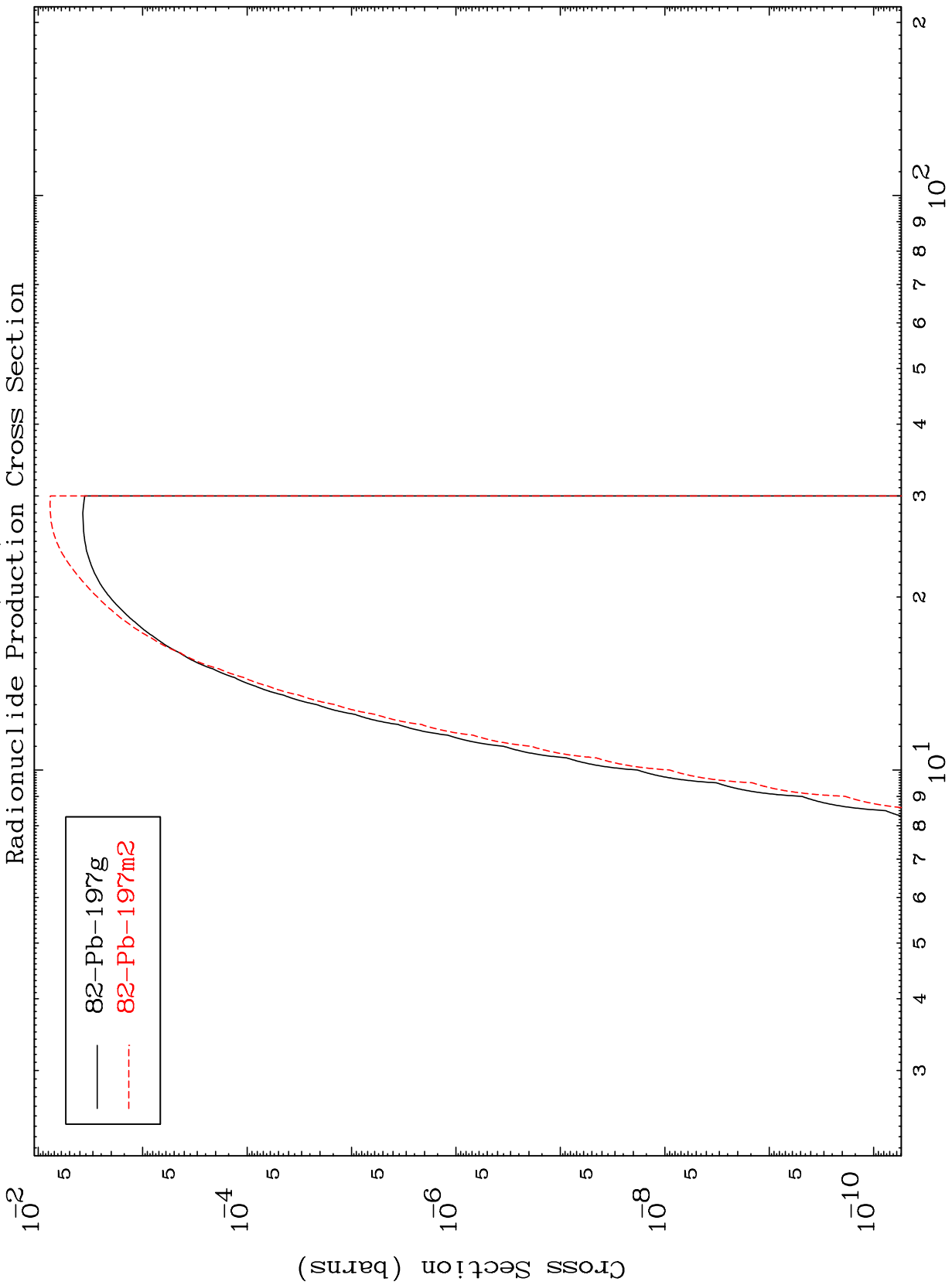
(n,p)
Radionuclide Production Cross Section



MAT 8296

83-Bi-199

Radionuclide Production Cross Section
(n, t)



34

Incident Energy (MeV)

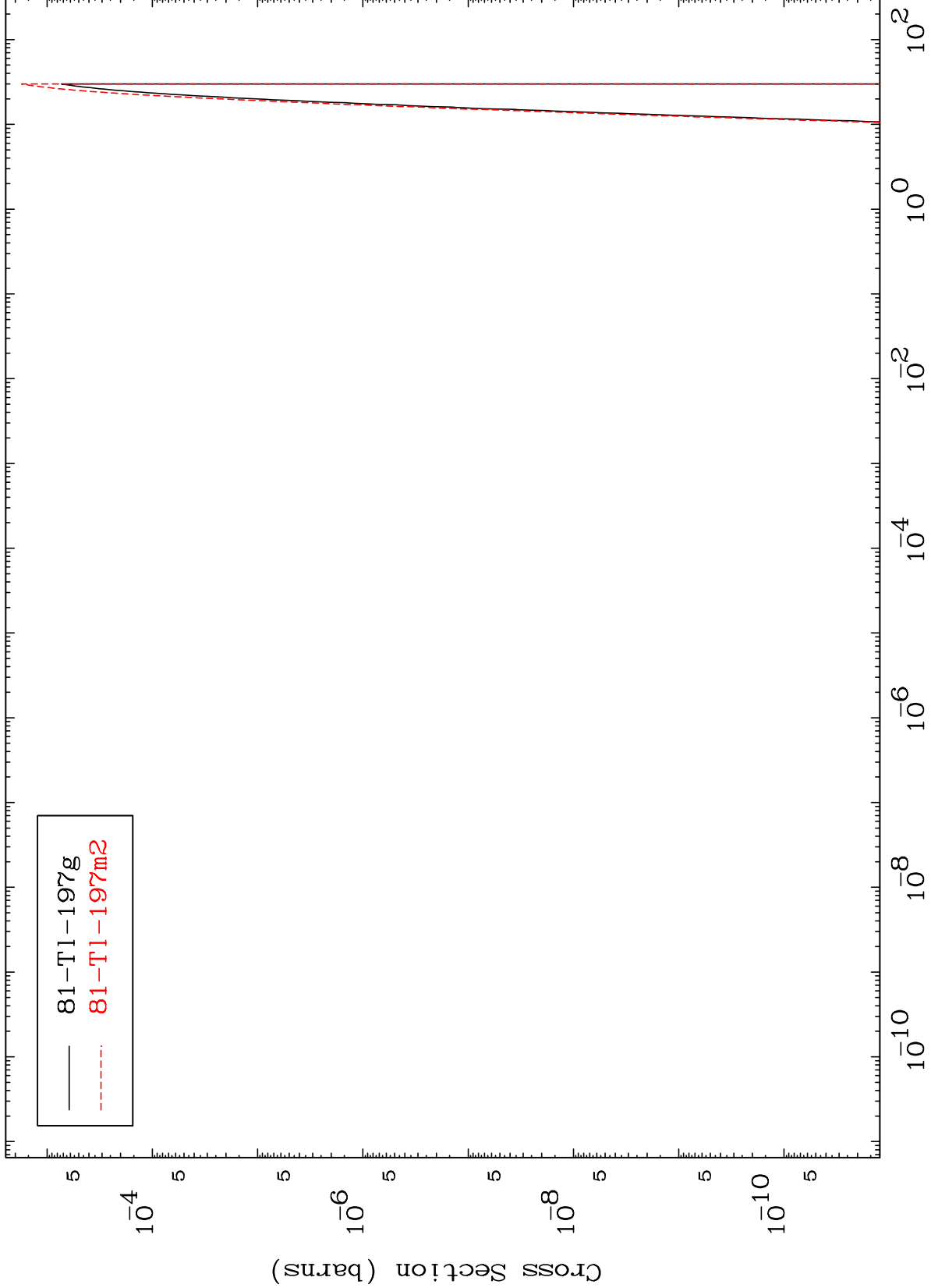
83-Bi-199

MAT 8296

(n,He-3)

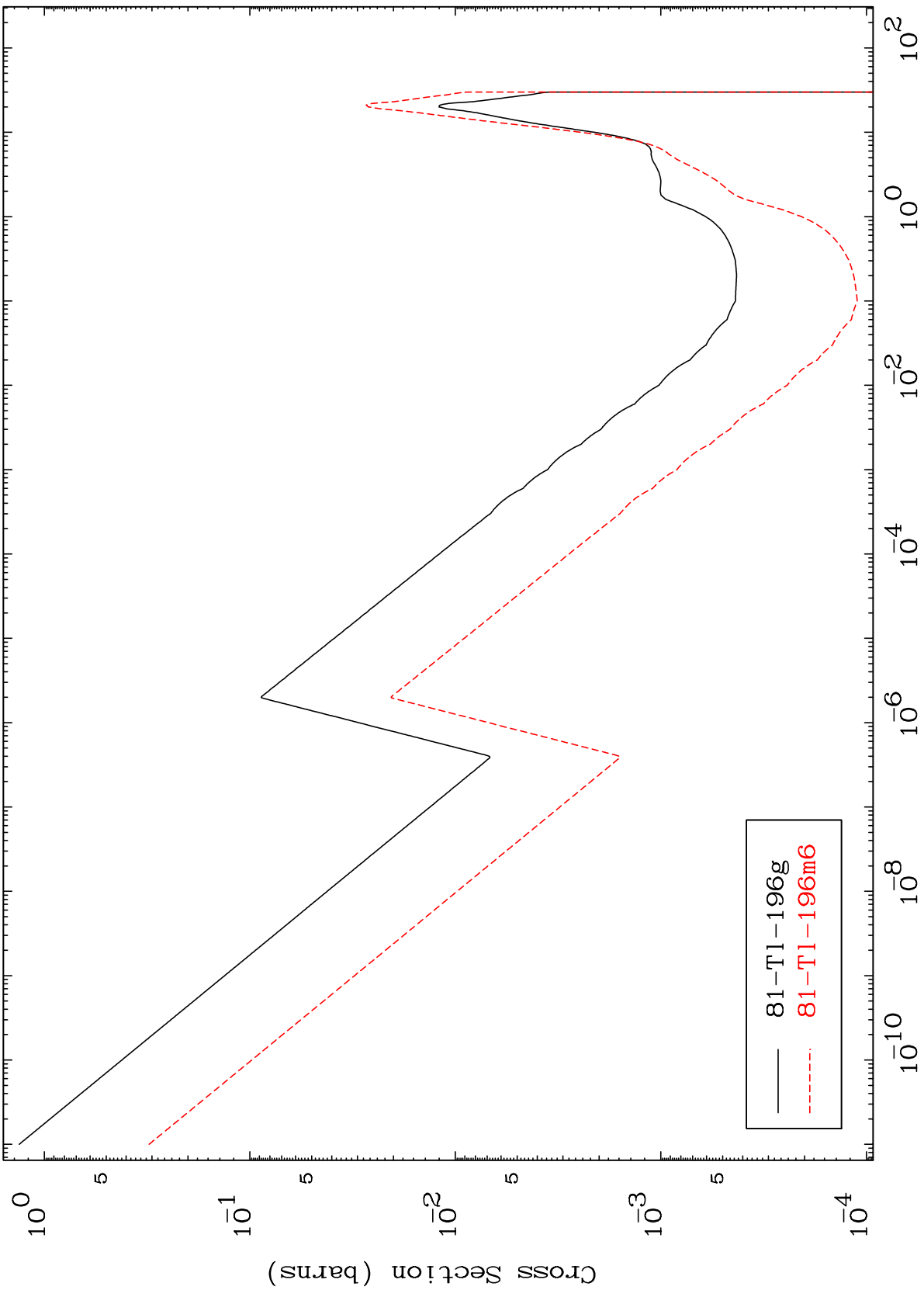
83-Bi-199

Radionuclide Production Cross Section



Radionuclide Production Cross Section

(n, α)

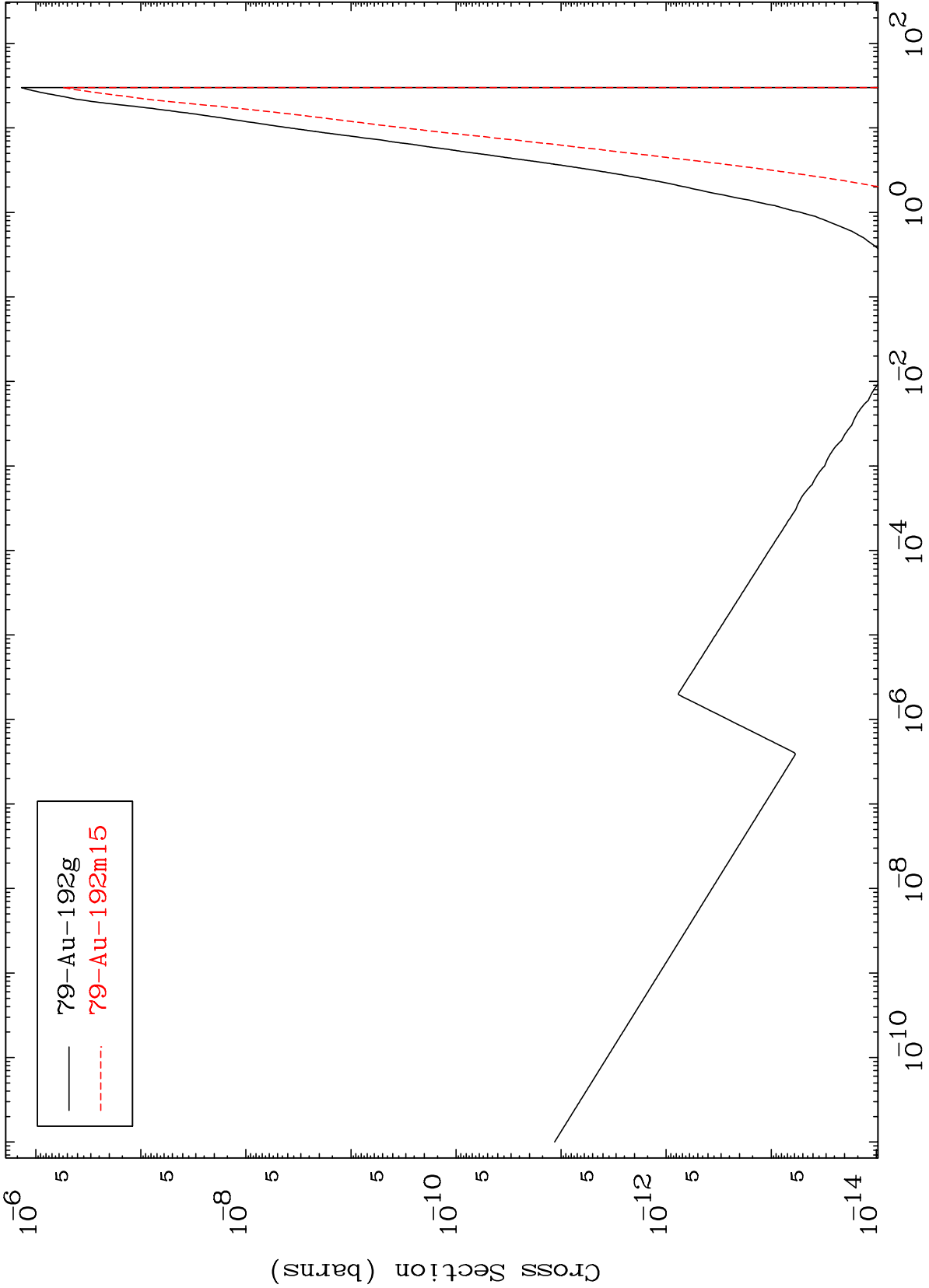


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(n,2α)

83-Bi-199

Radionuclide Production Cross Section



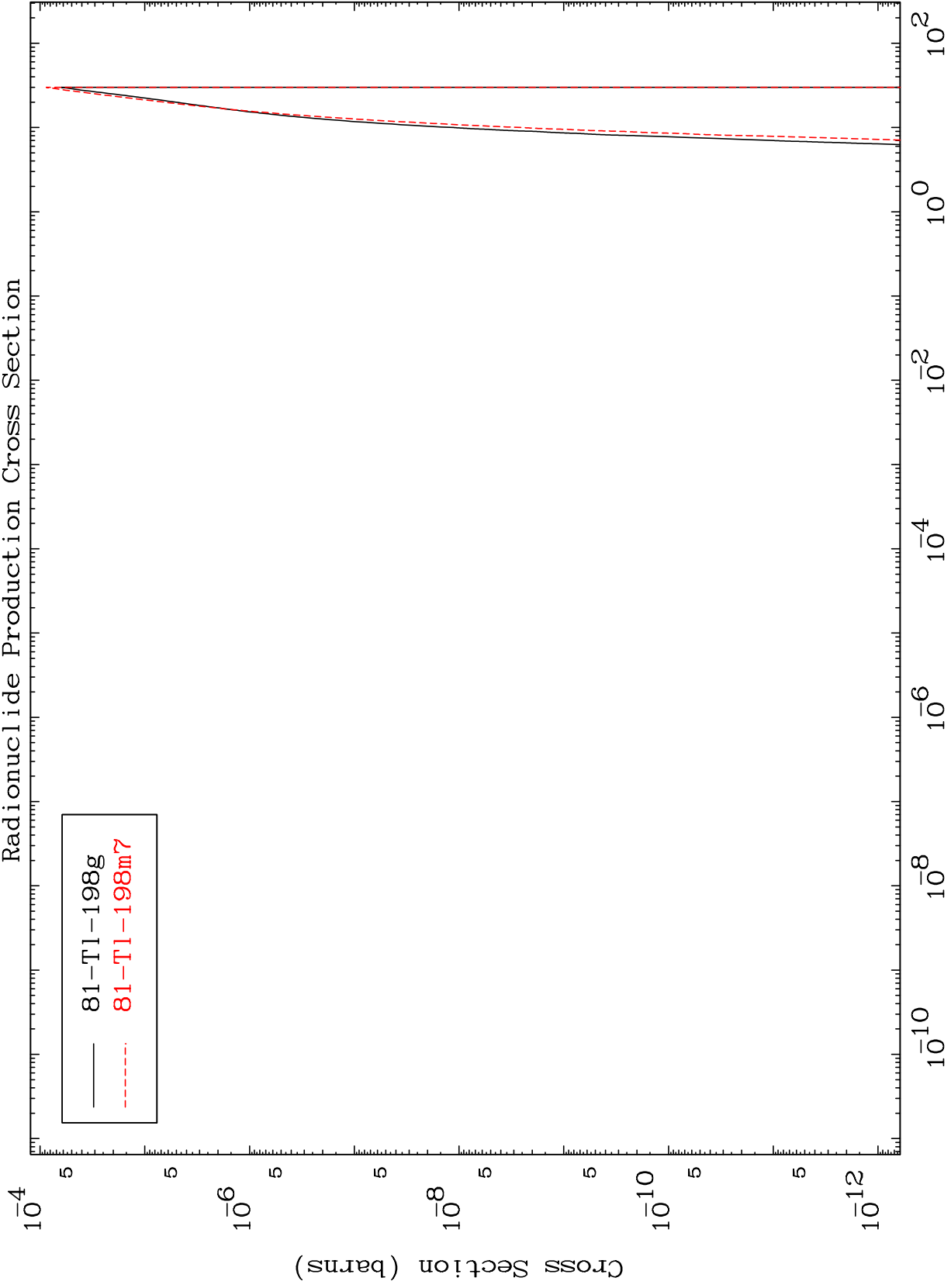
— 79-Au-192g
- - - 79-Au-192m15

MAT 8296

(n,2p)

83-Bi-199

Radionuclide Production Cross Section



38

Incident Energy (MeV)

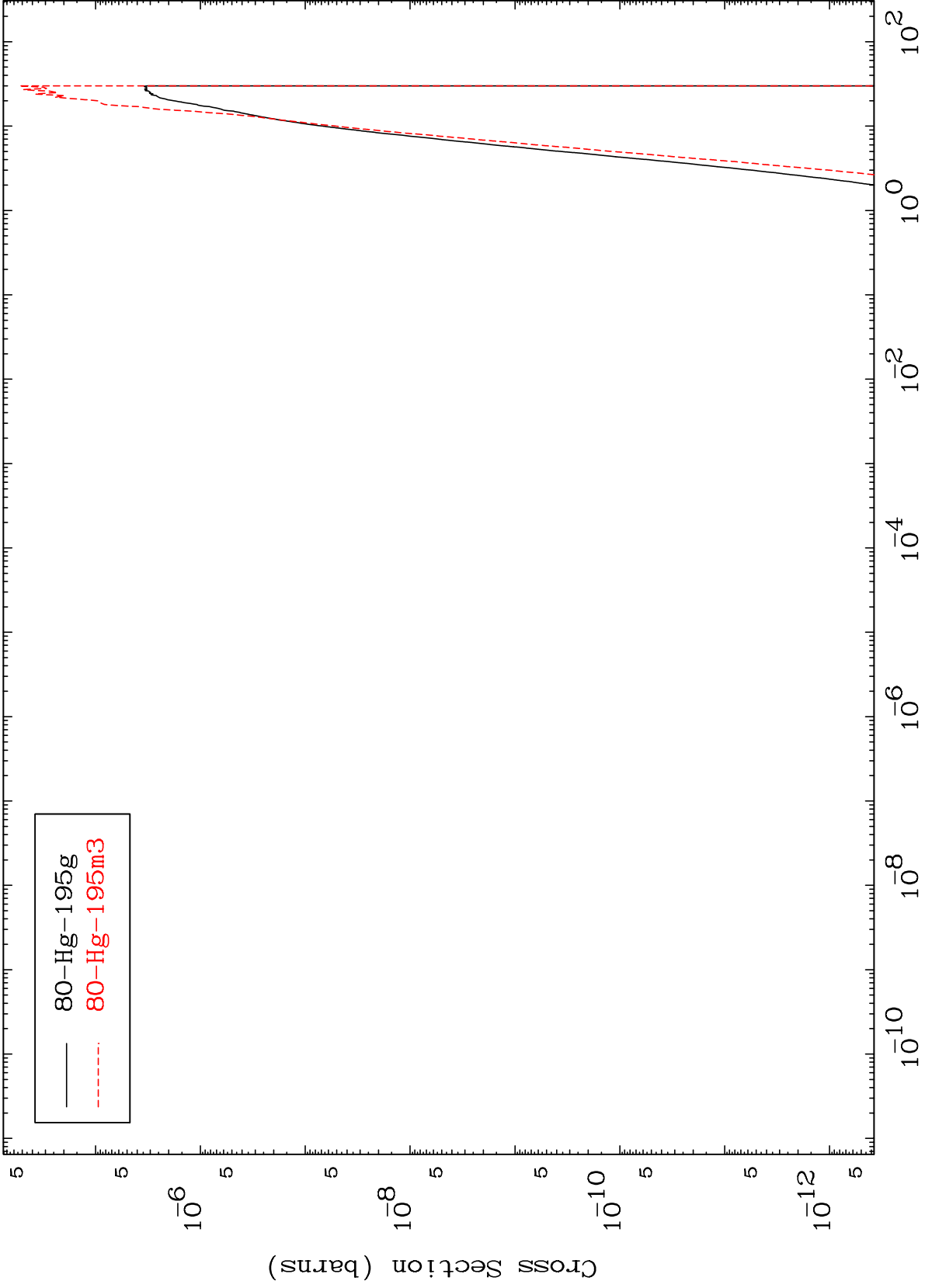
83-Bi-199

MAT 8296

(n,p) α

83-Bi-199

Radionuclide Production Cross Section



39

Incident Energy (MeV)

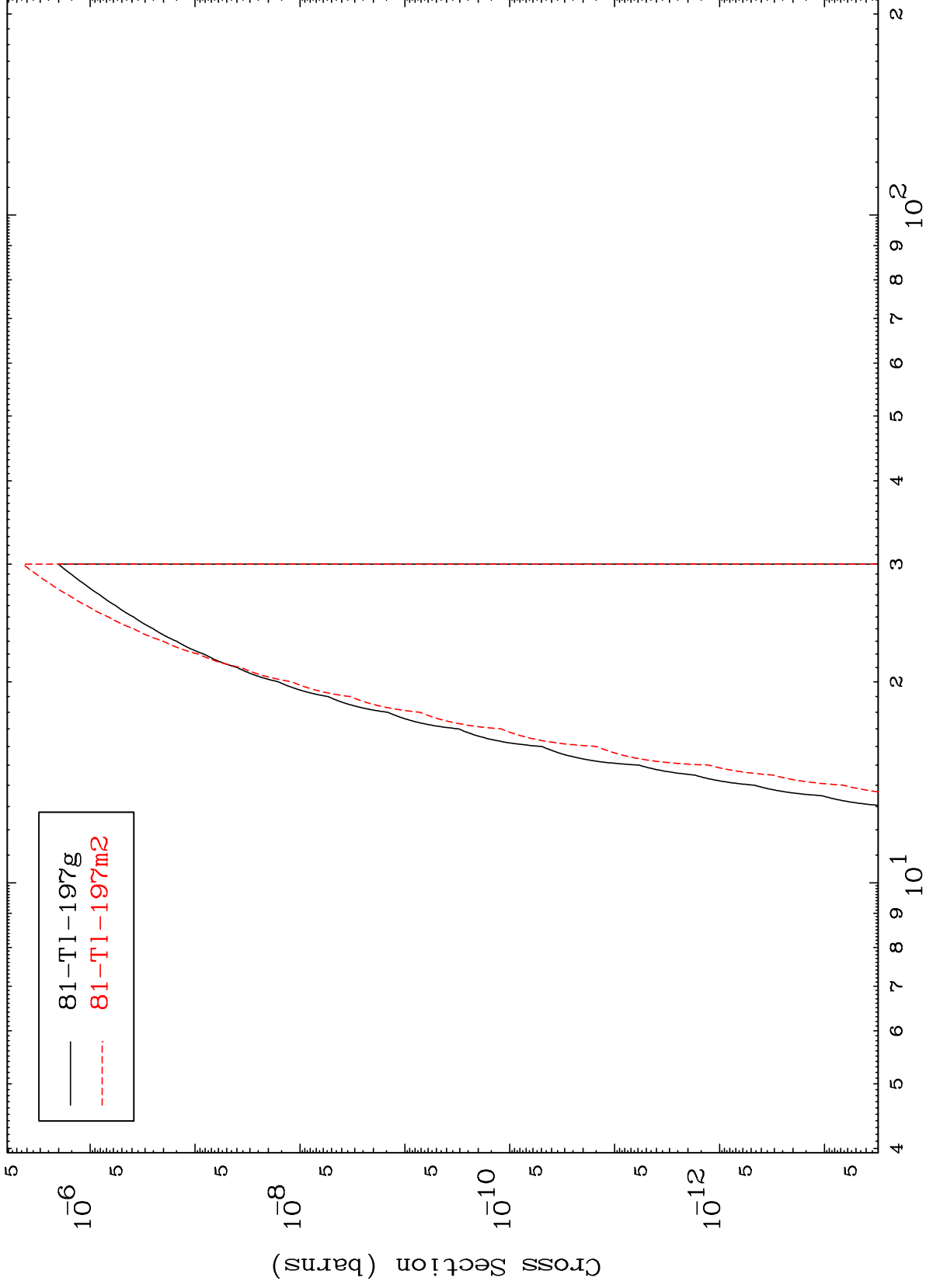
83-Bi-199

MAT 8296

(n,p) d

83-Bi-199

Radionuclide Production Cross Section



40

Incident Energy (MeV)

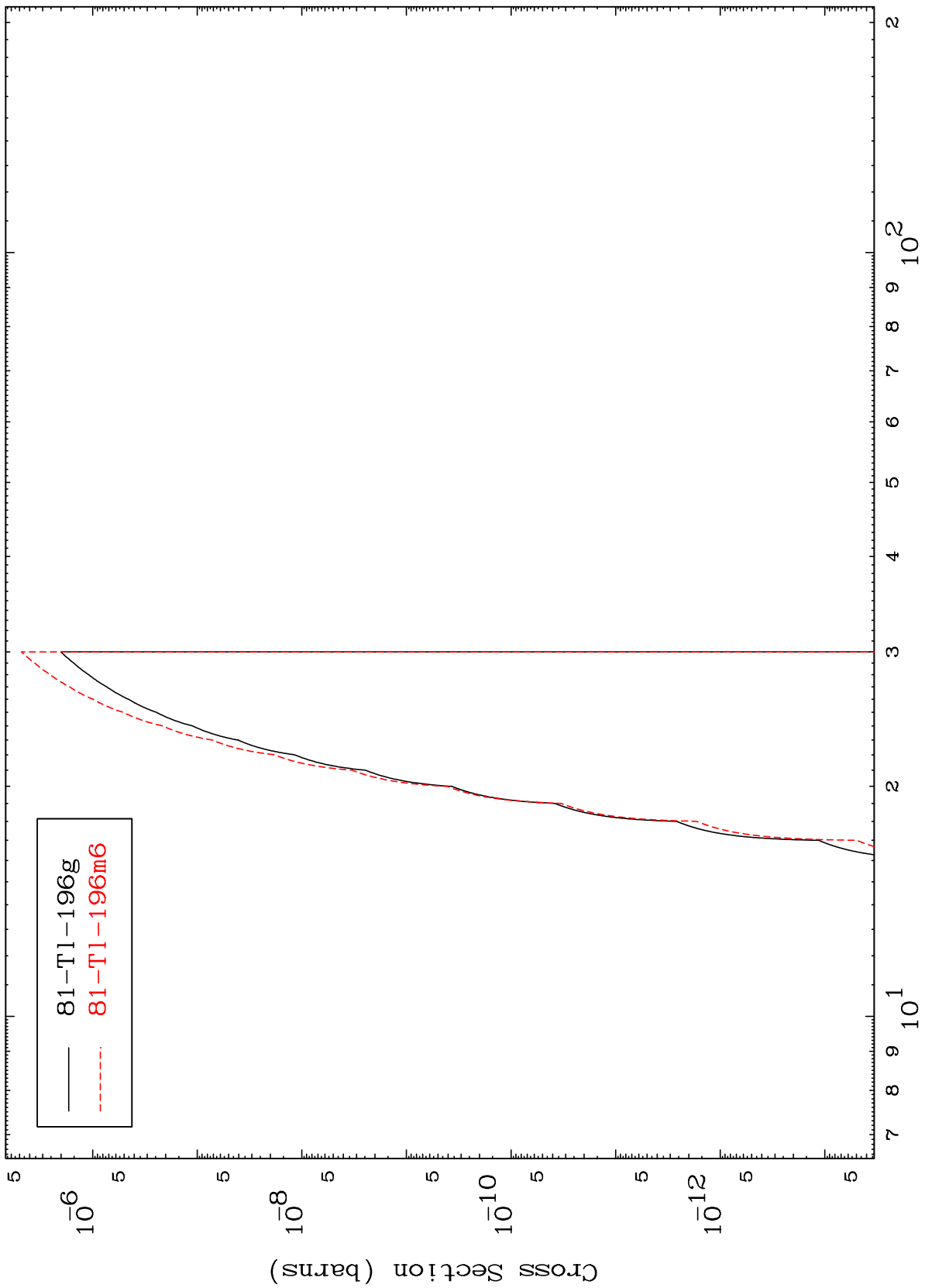
83-Bi-199

MAT 8296

(n,p) t

83-Bi-199

Radionuclide Production Cross Section



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