

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

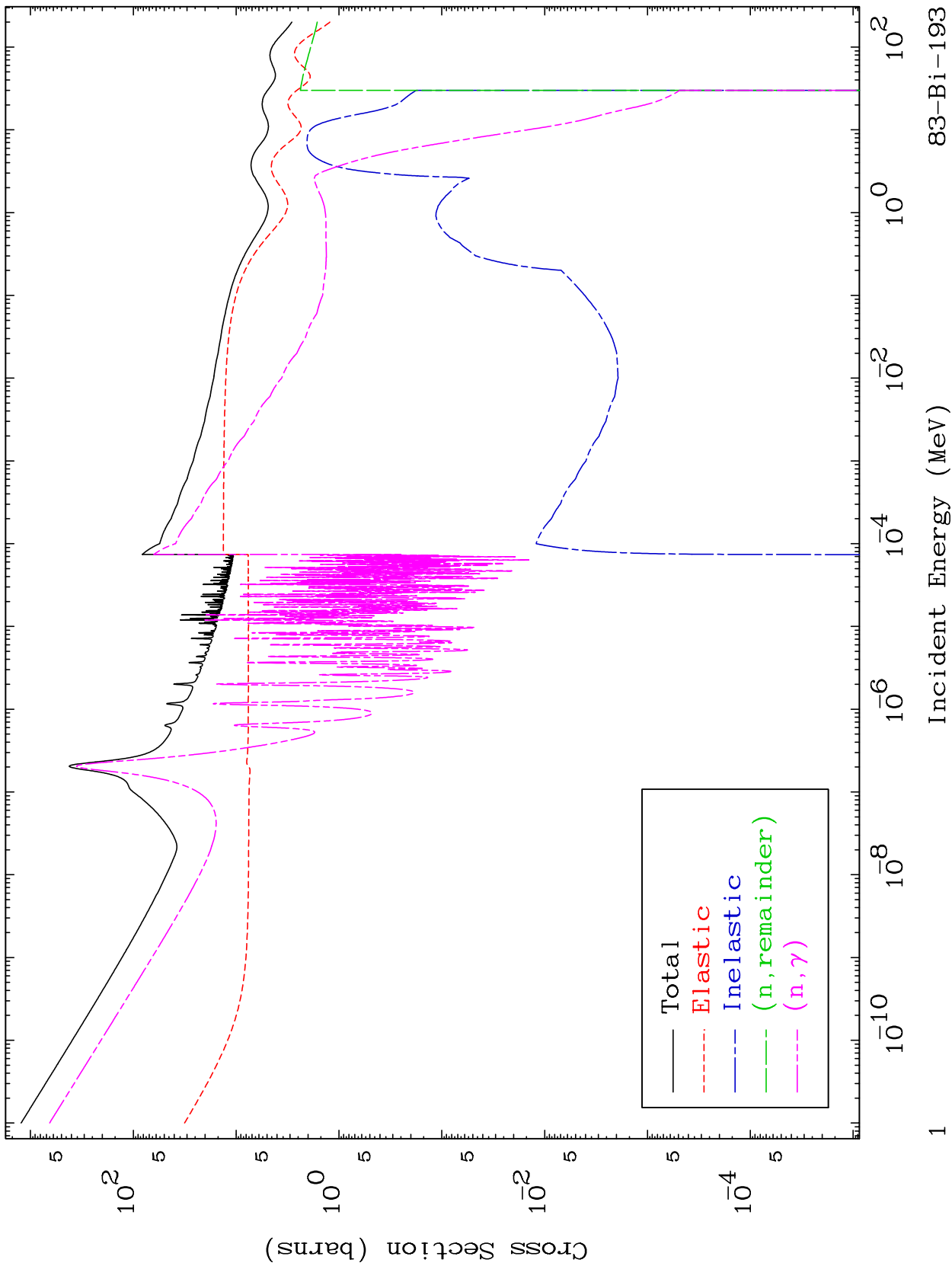
Press Mouse Button to Start

MAT 8278

Major

293 Kelvin Cross Sections

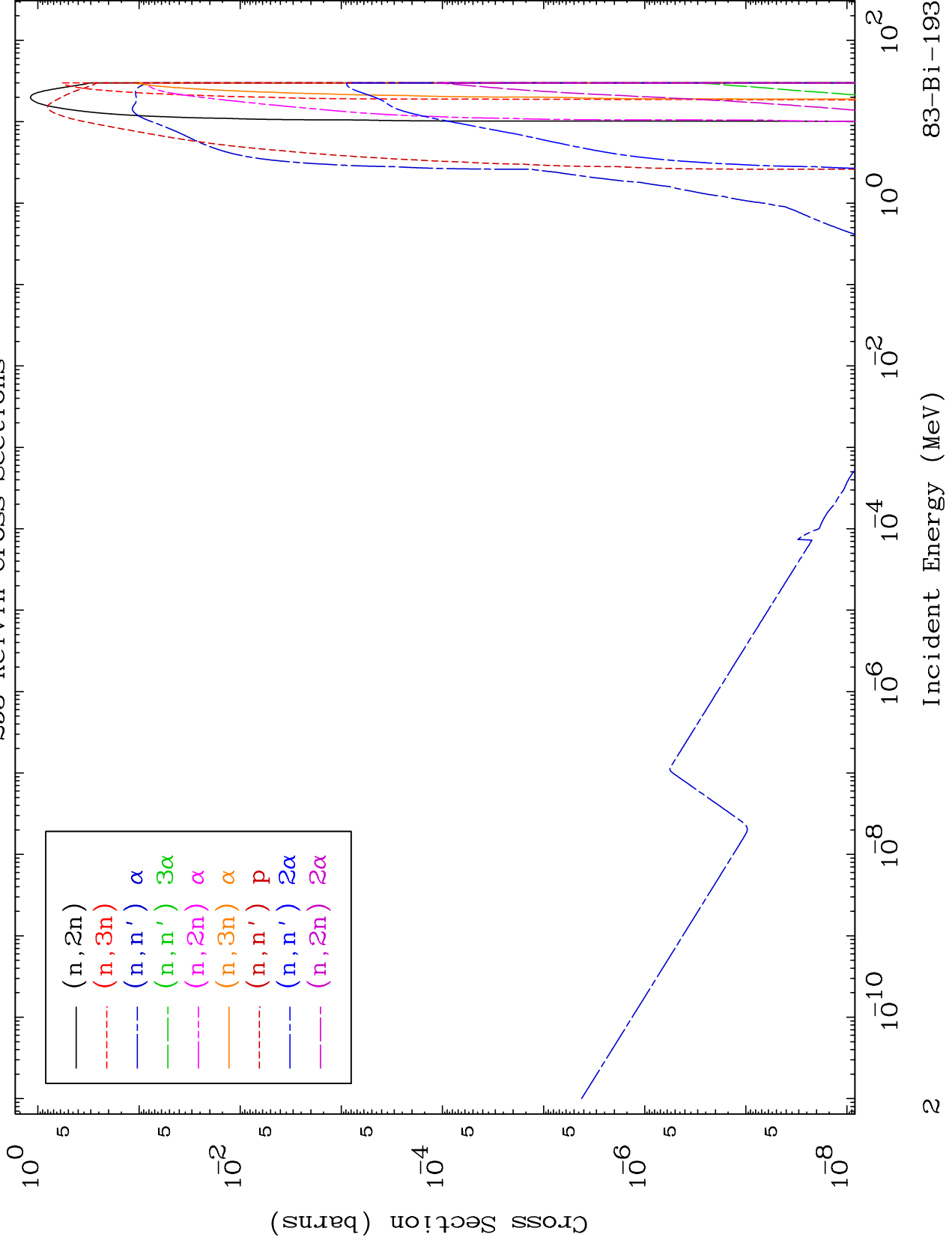
83-Bi-193



MAT 8278

Neutron Production
293 Kelvin Cross Sections

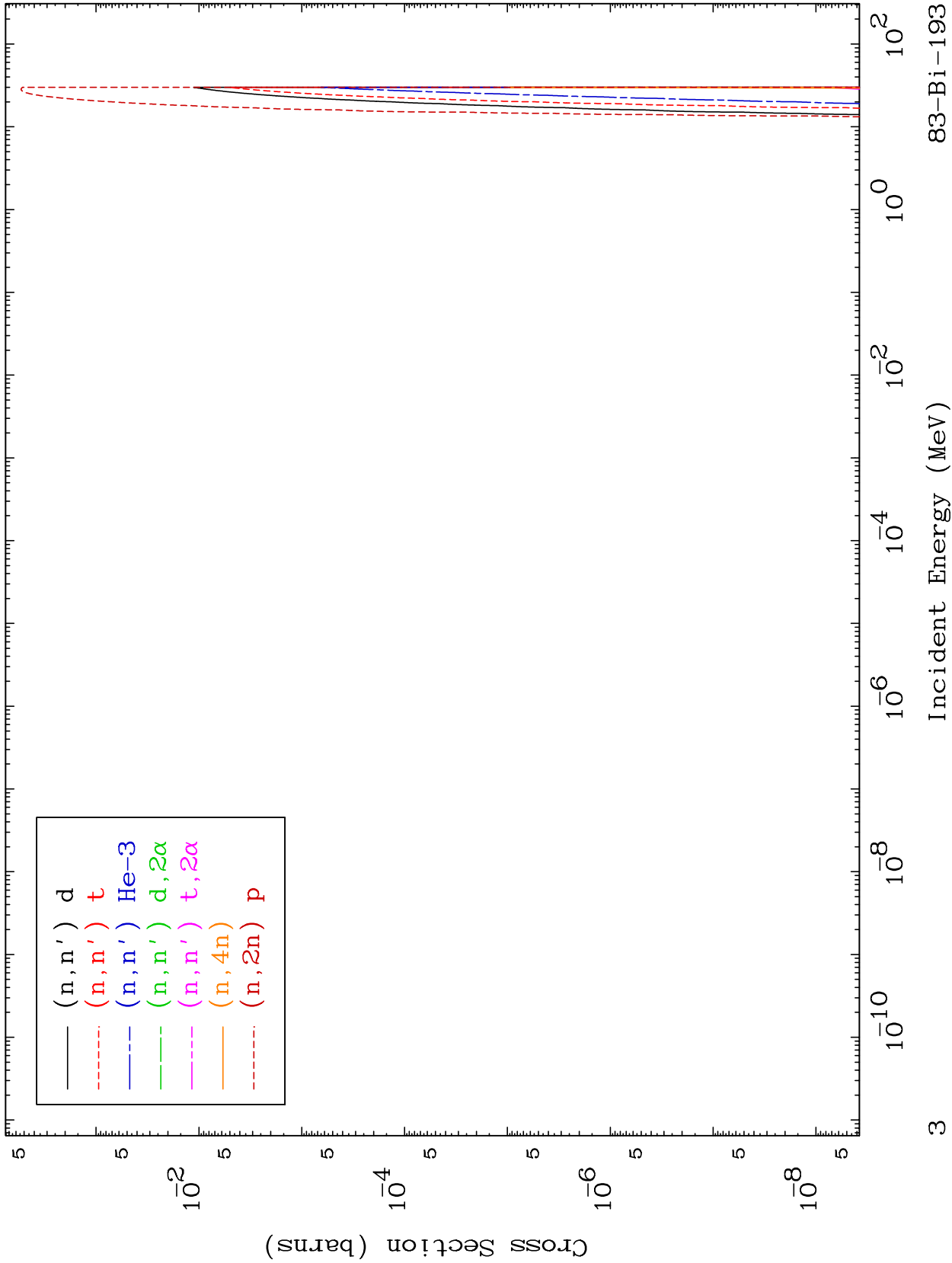
83-Bi-193



MAT 8278

Neutron Production
293 Kelvin Cross Sections

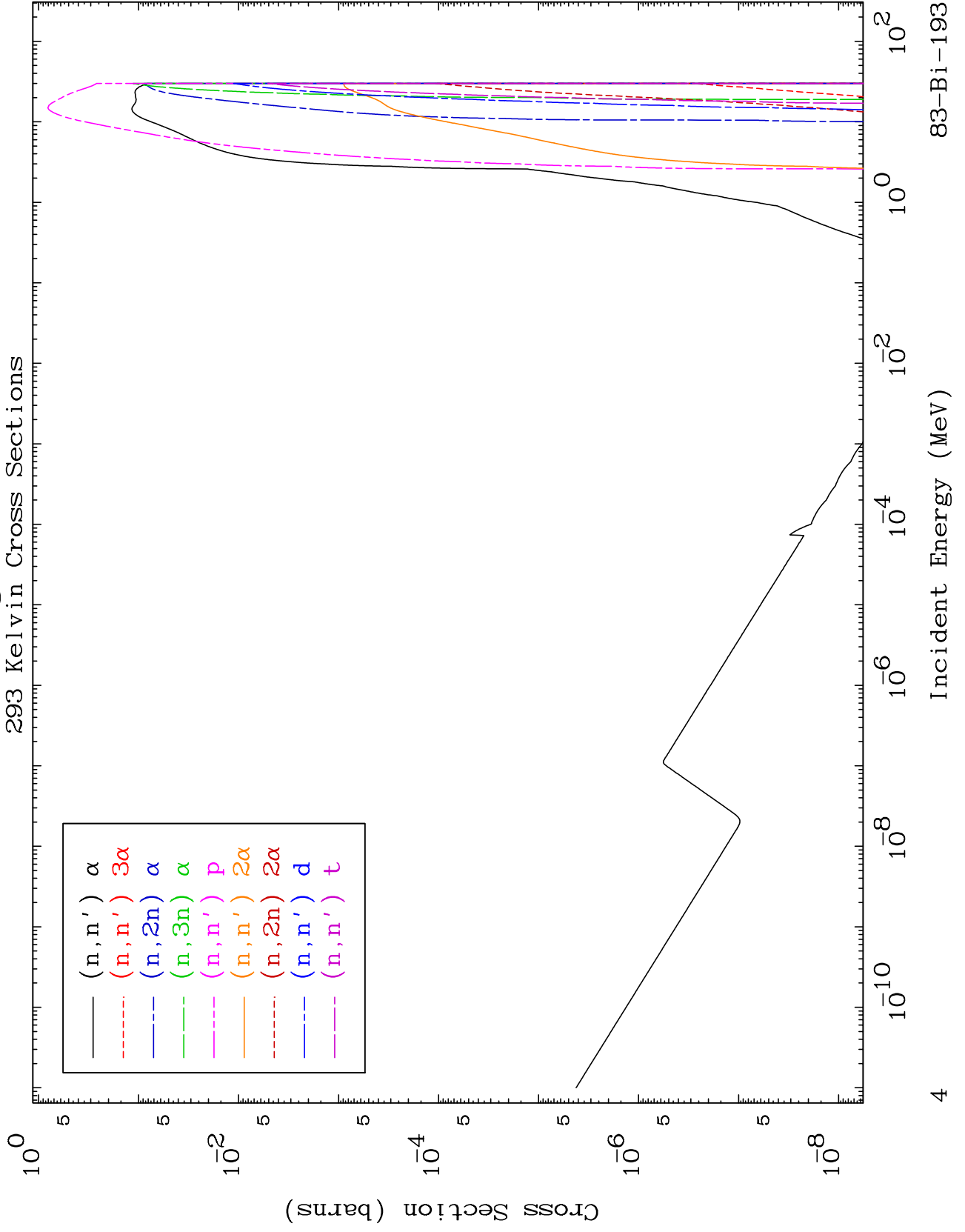
83-Bi-193



MAT 8278

Charged Particle
293 Kelvin Cross Sections

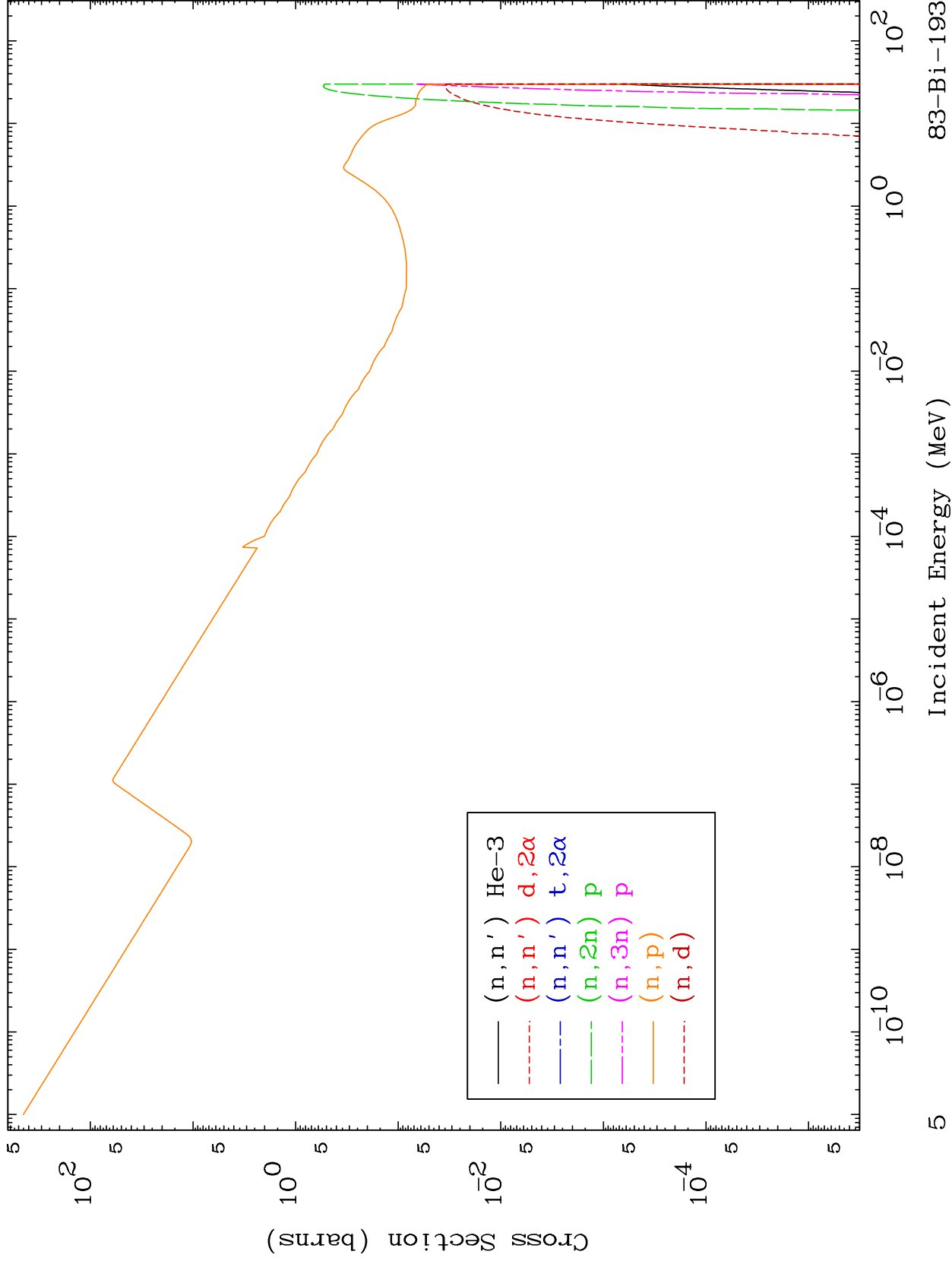
83-Bi-193



MAT 8278

Charged Particle
293 Kelvin Cross Sections

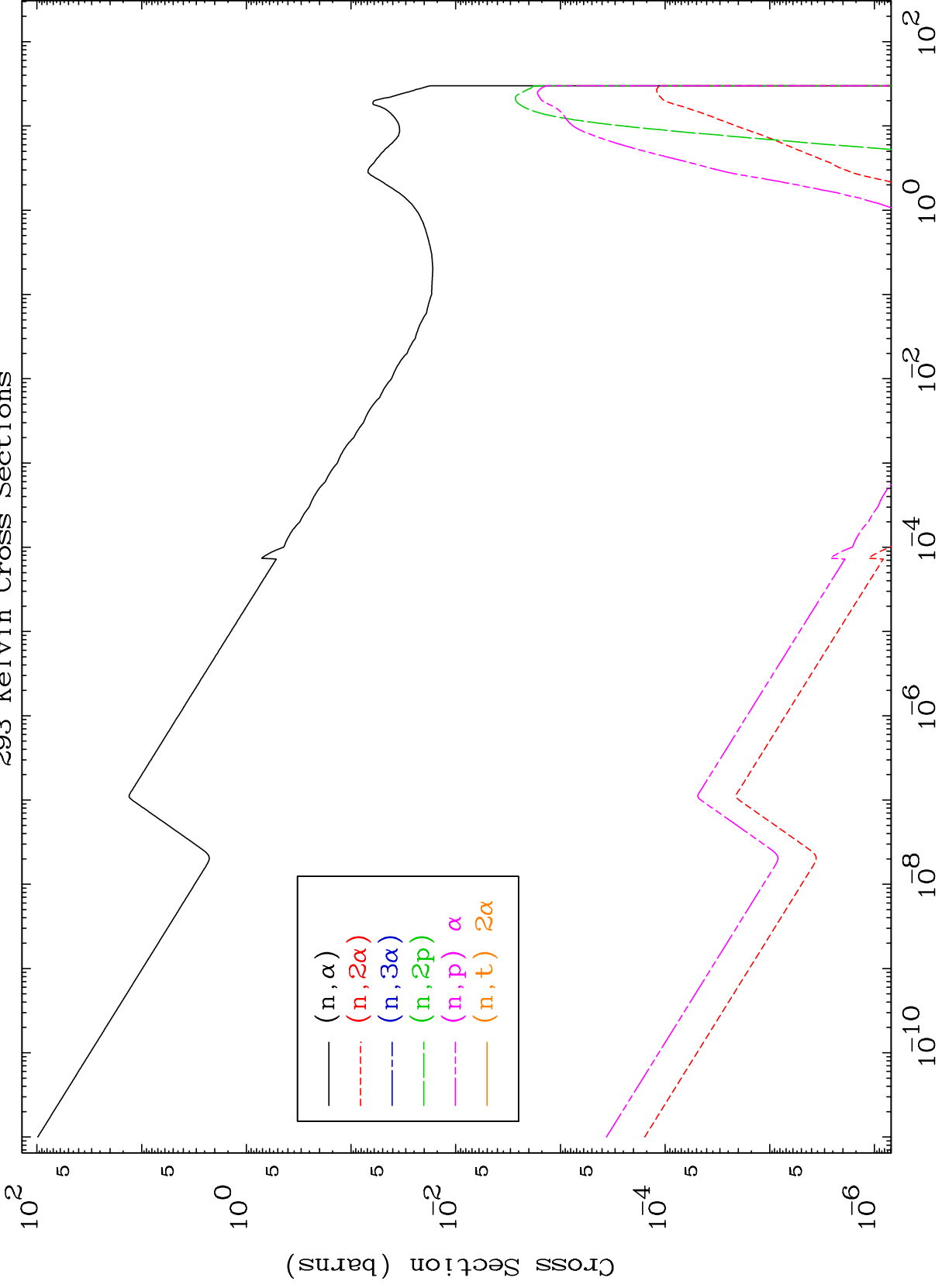
83-Bi-193



MAT 8278

Charged Particle
293 Kelvin Cross Sections

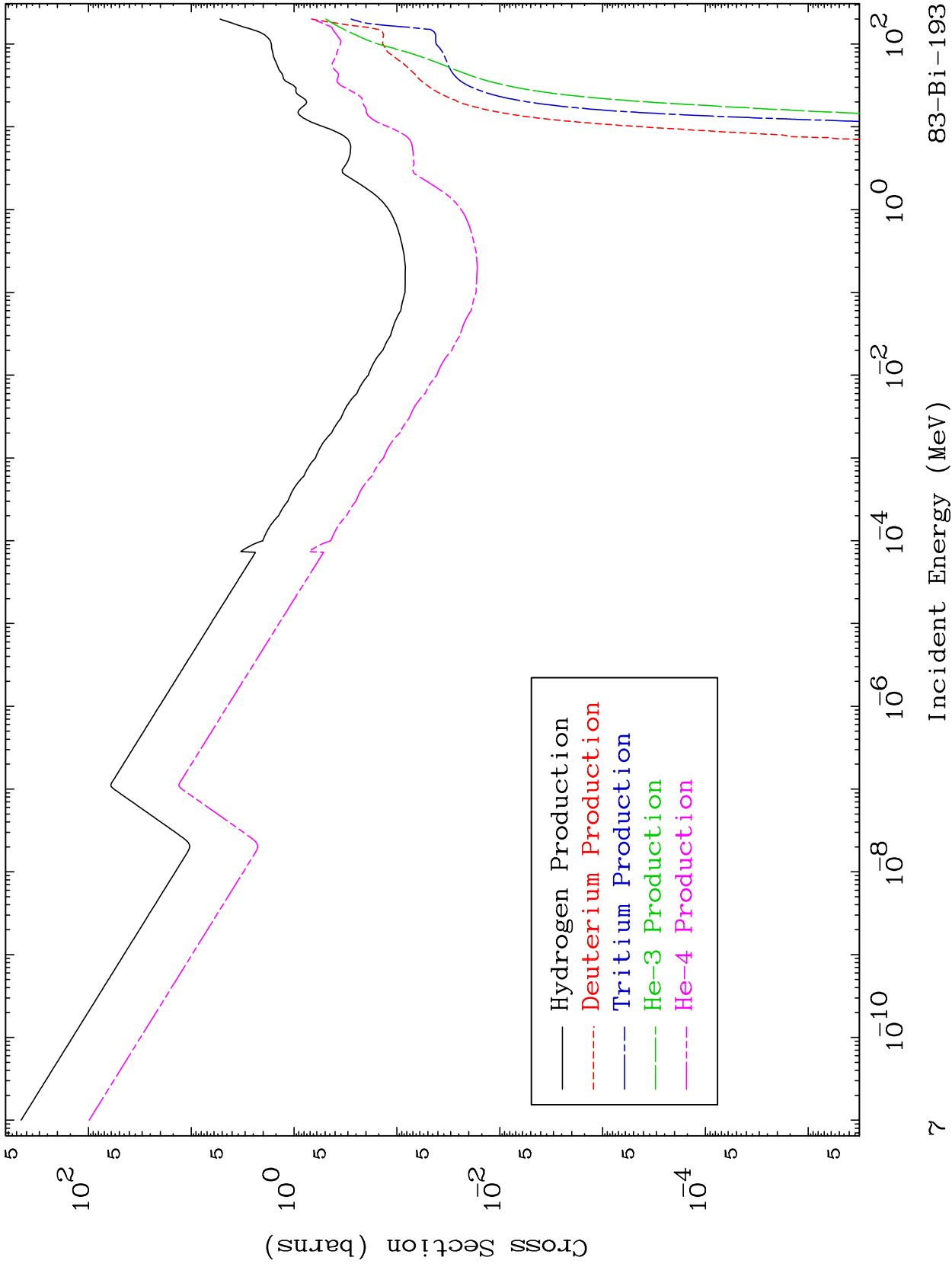
83-Bi-193



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Particle Production
293 Kelvin Cross Sections

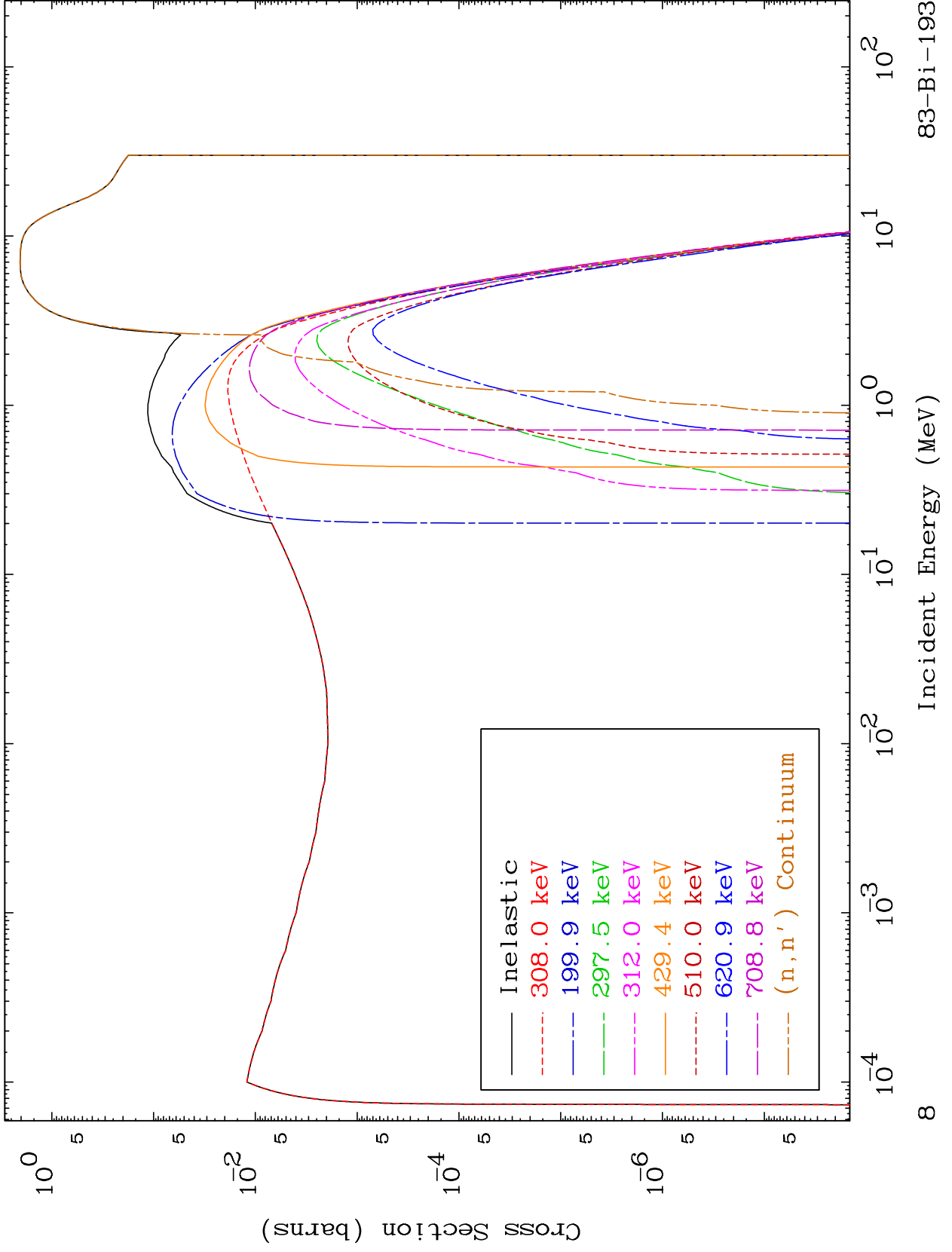
83-Bi-193



MAT 8278

(n,n') Level
293 Kelvin Cross Sections

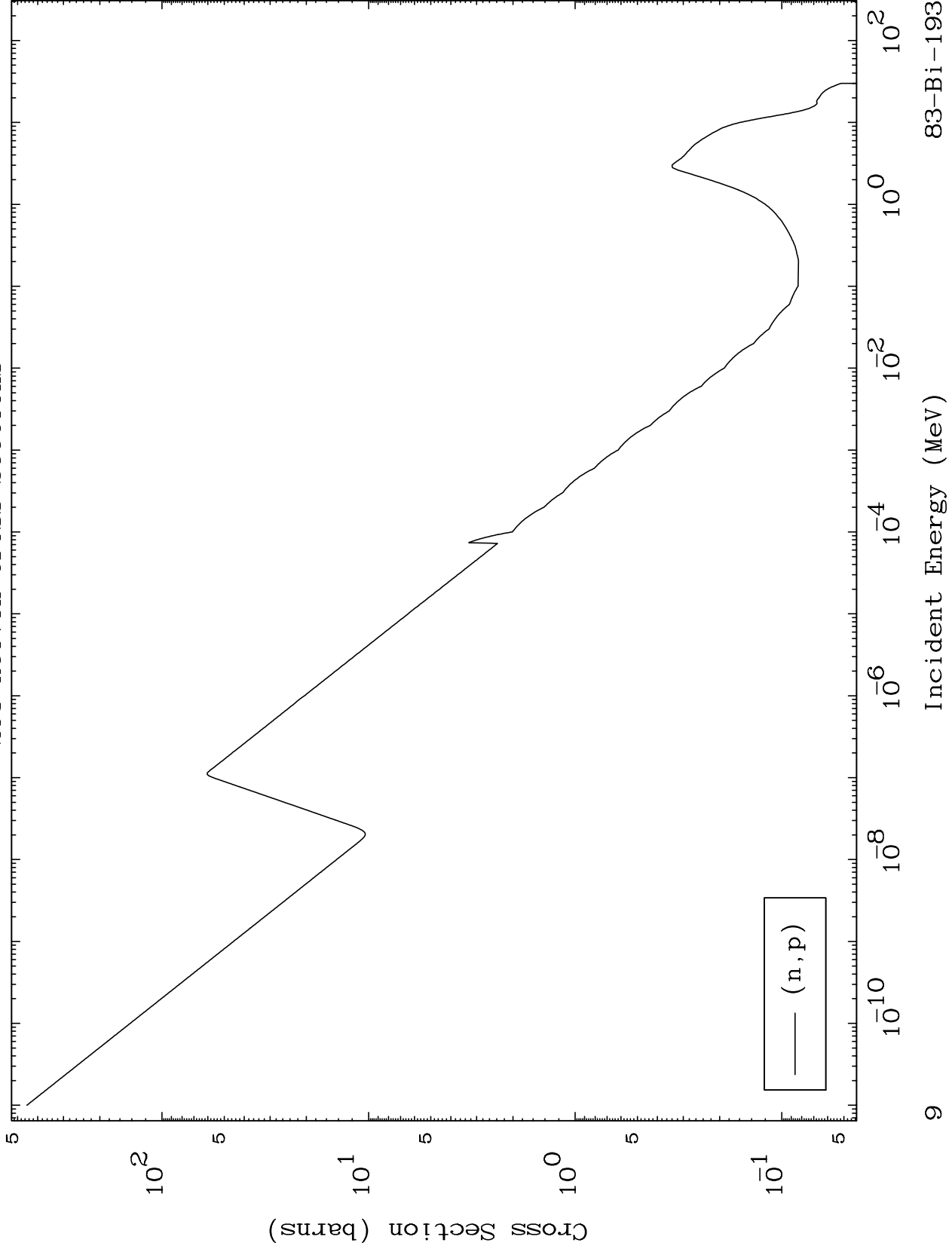
83-Bi-193



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(n,p) Levels
293 Kelvin Cross Sections

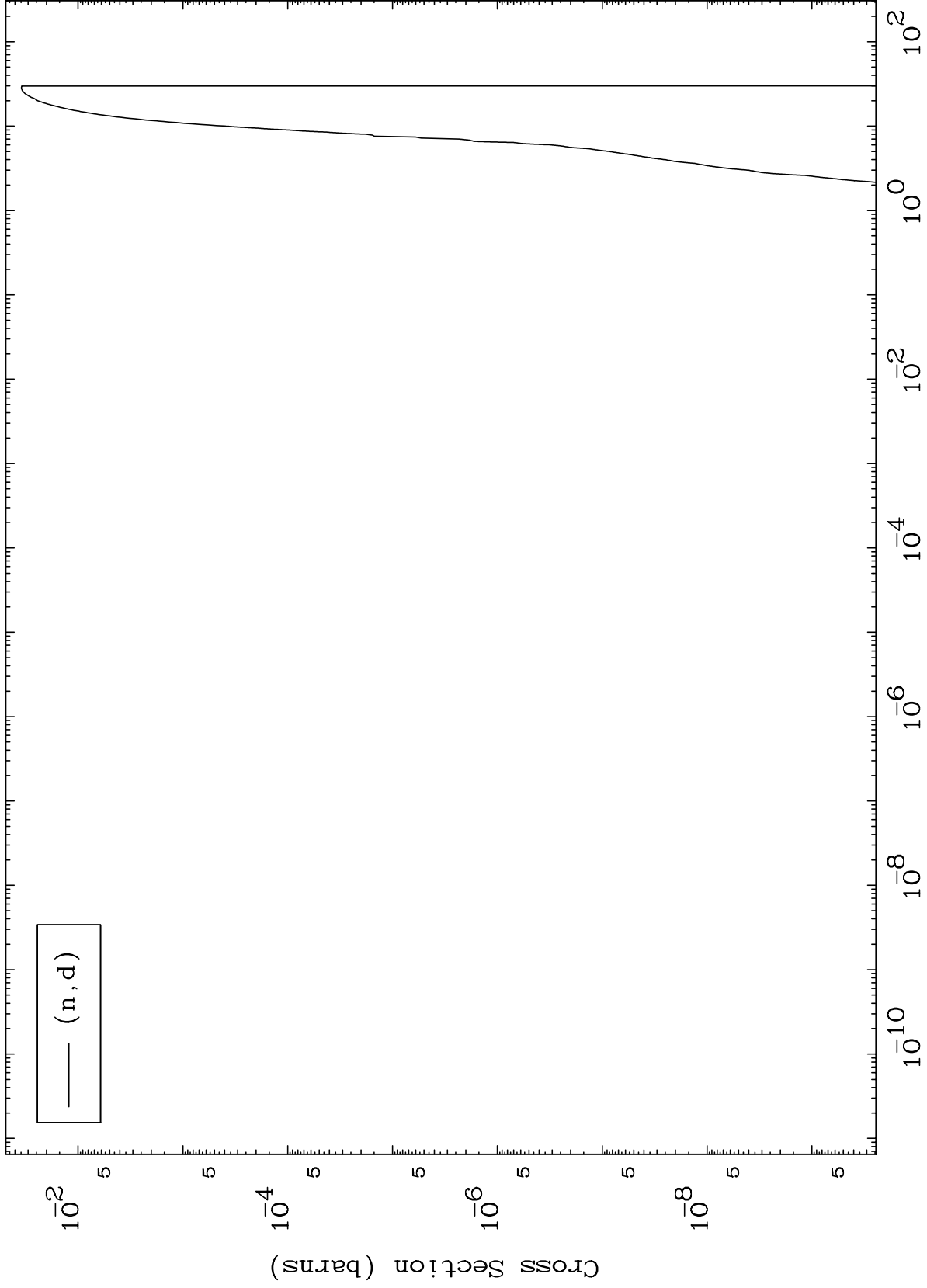
83-Bi-193



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(n,d) Levels
293 Kelvin Cross Sections

83-Bi-193



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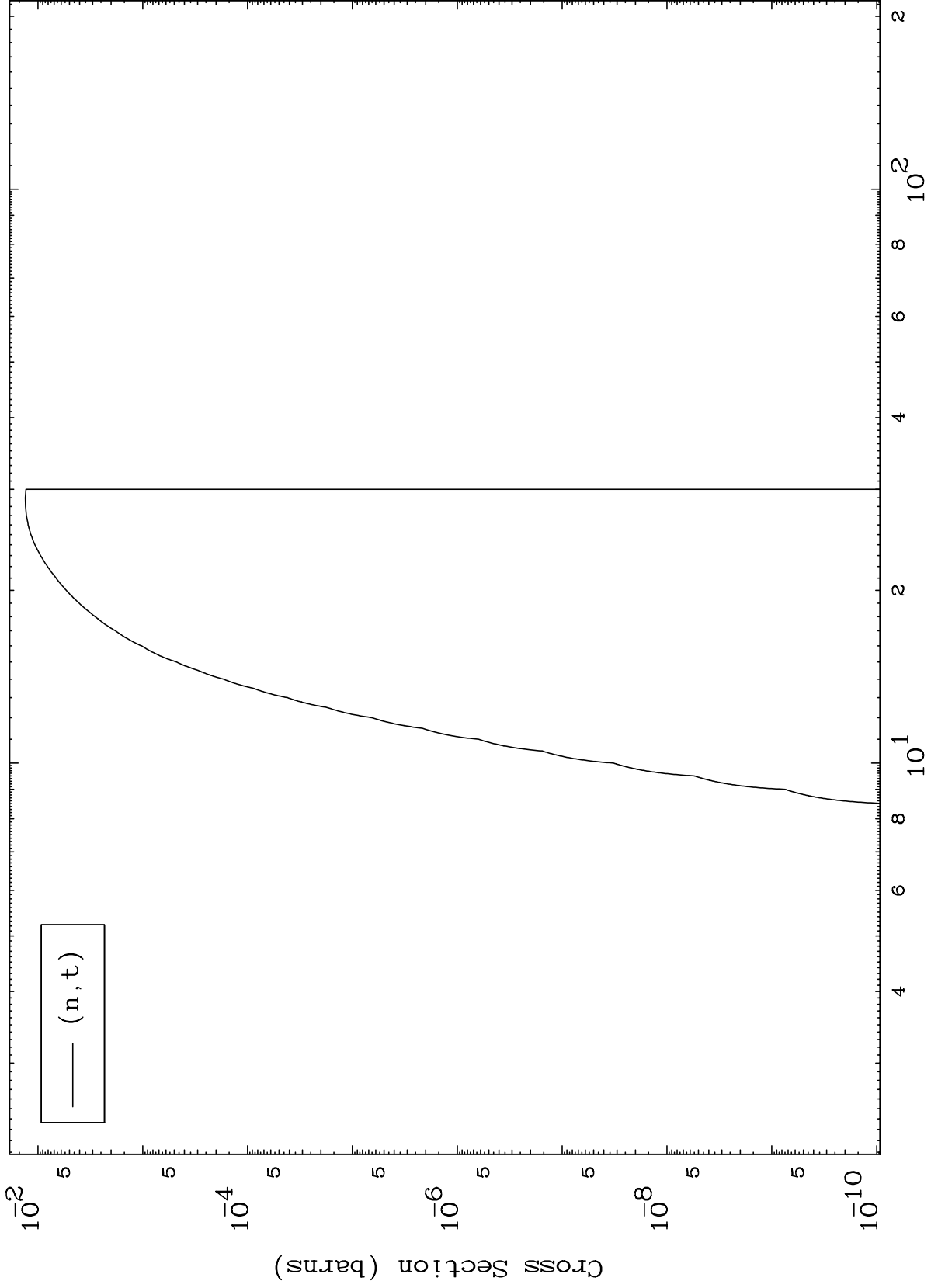
Incident Energy (MeV)

83-Bi-193

MAT 8278

(n,t) Levels
293 Kelvin Cross Sections

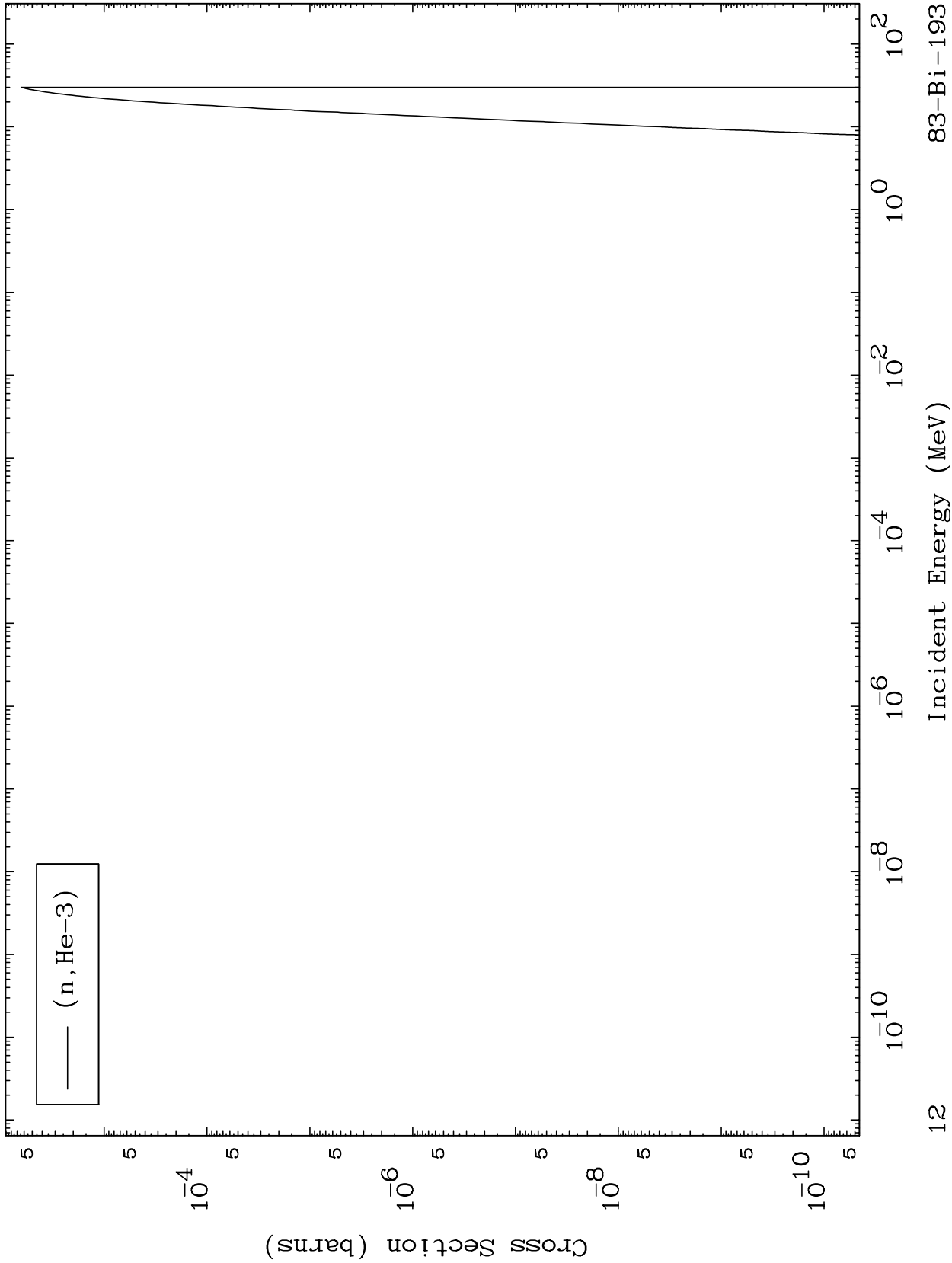
83-Bi-193



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(n,He3) Levels
293 Kelvin Cross Sections

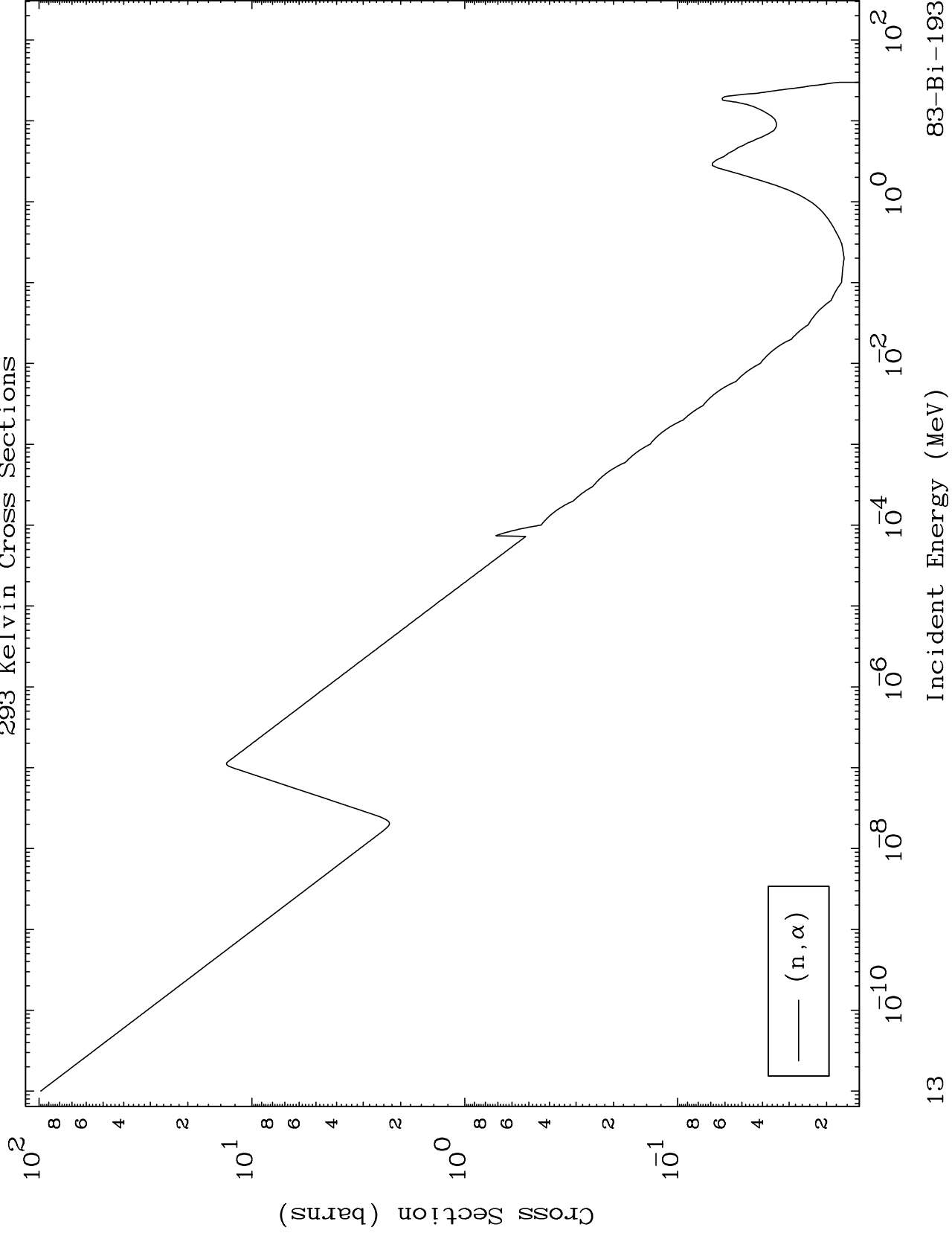
83-Bi-193



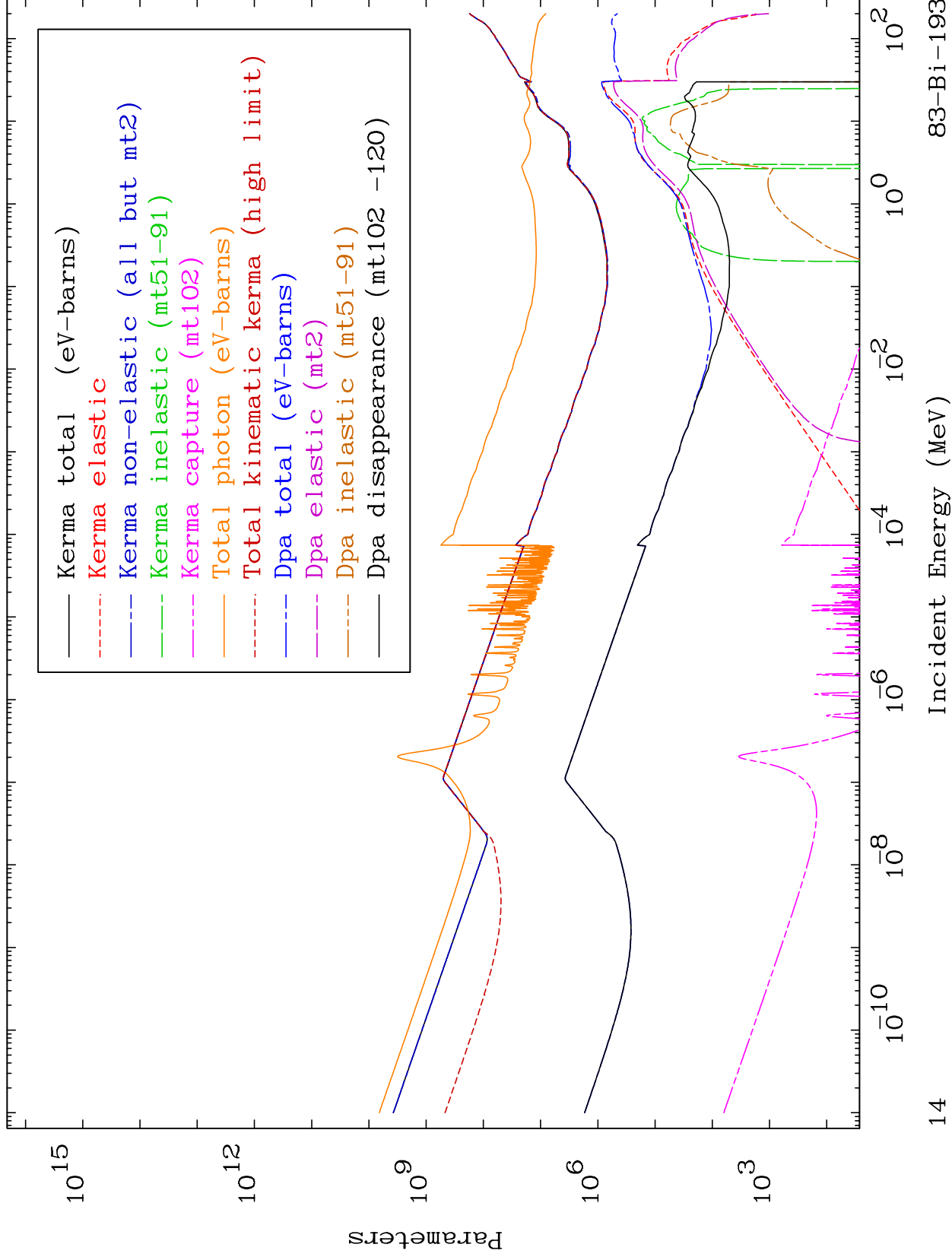
MAT 8278

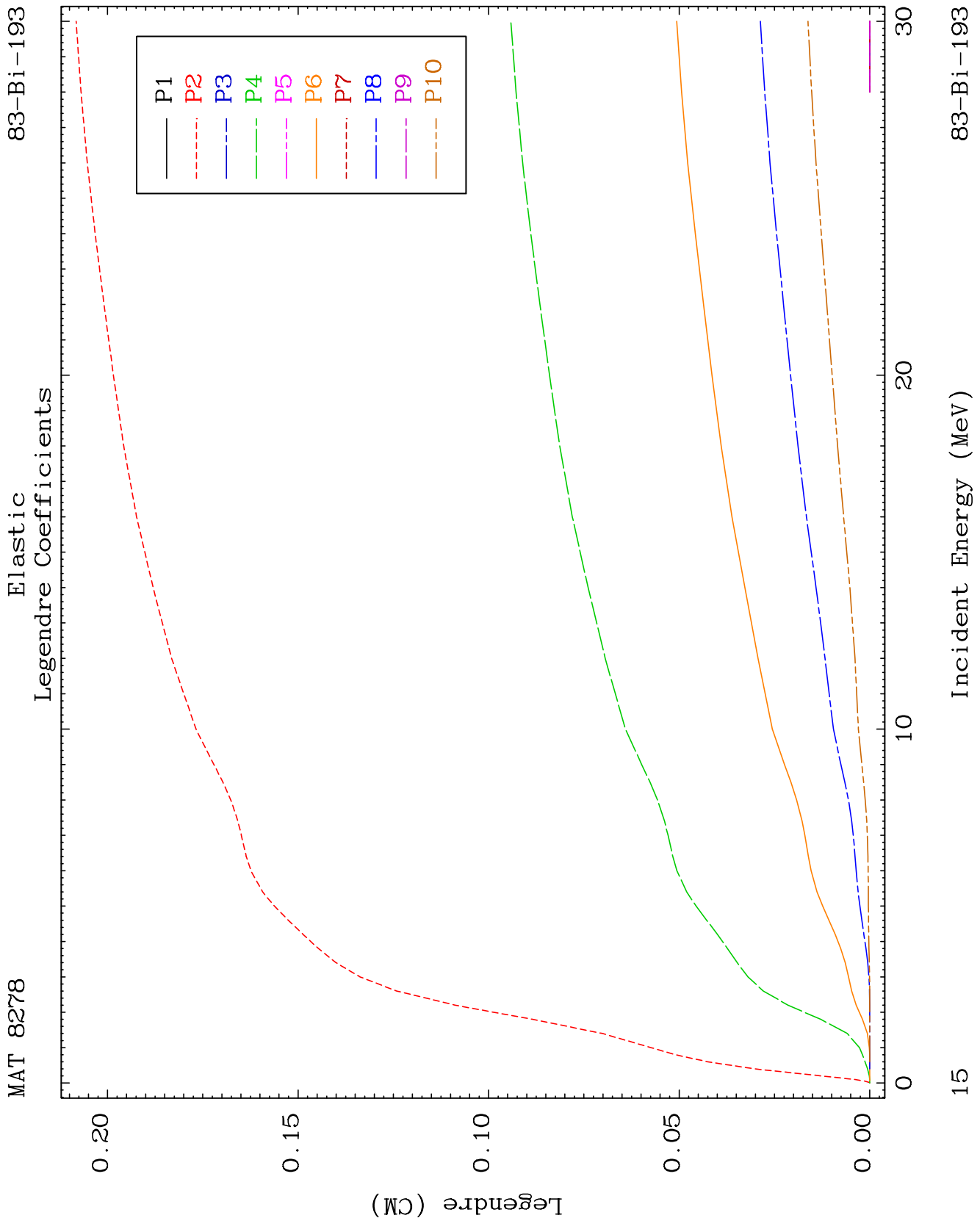
(n,α) Levels
293 Kelvin Cross Sections

83-Bi-193



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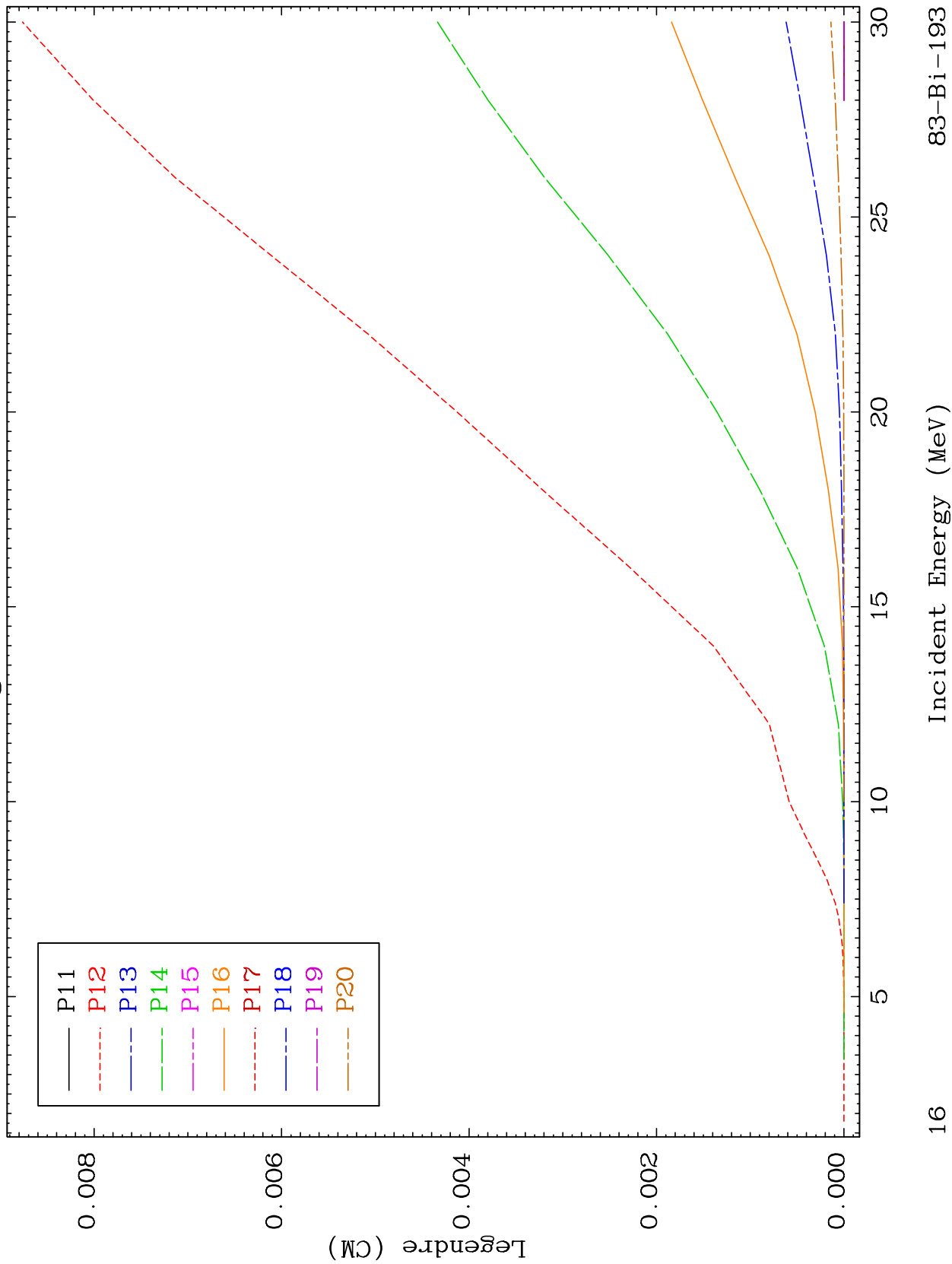




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Elastic Legendre Coefficients

83-Bi-193



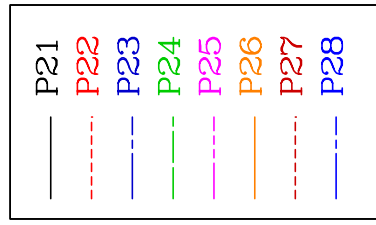
16

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Elastic Legendre Coefficients

83-Bi-193



$\times 10^{-5}$
1.5
1.0
0.5
0.0

Legendre (CM)



15

20

25

30

17

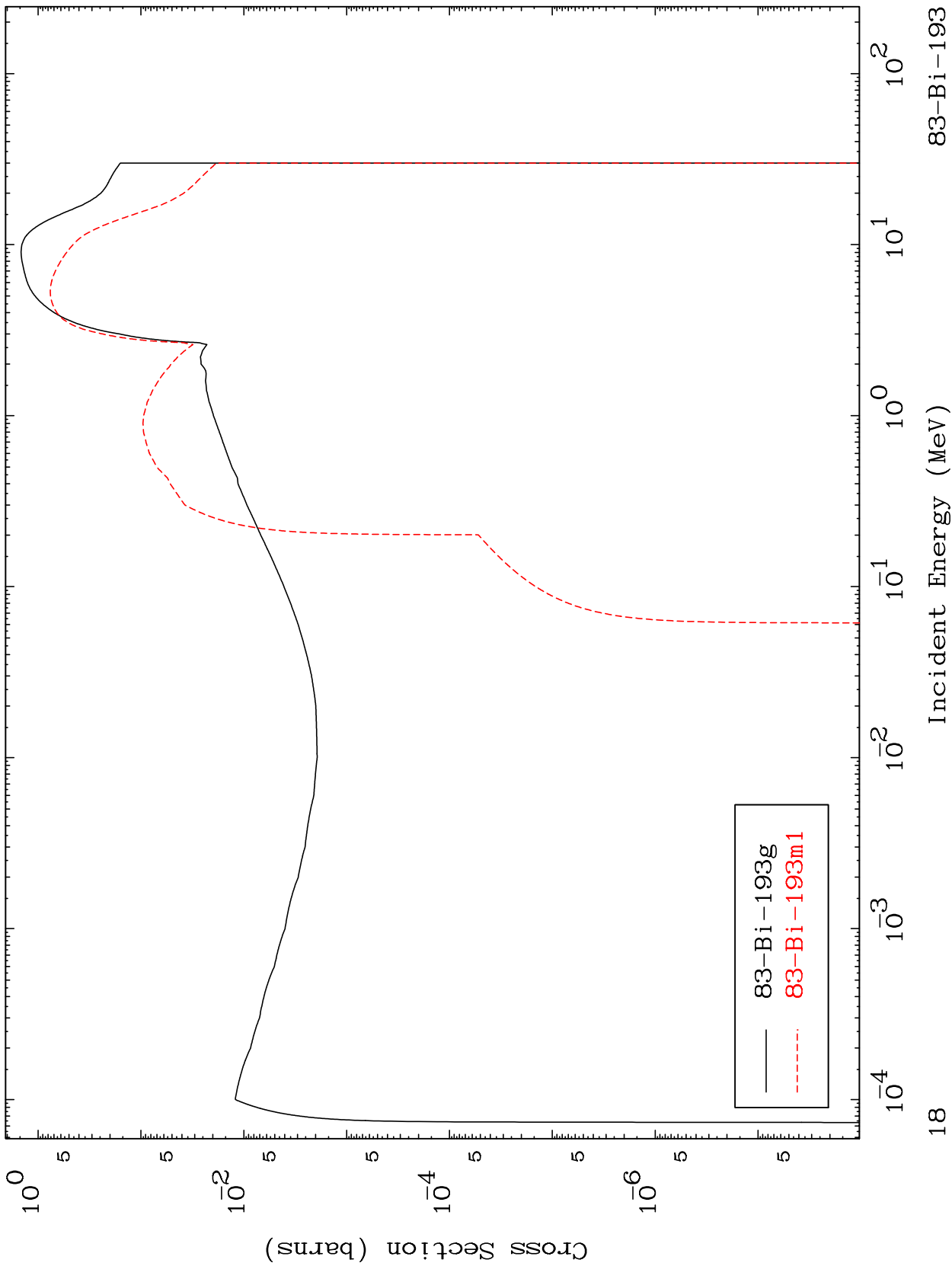
Incident Energy (MeV)

83-Bi-193

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83-Bi-193

Inelastic
Radionuclide Production Cross Section



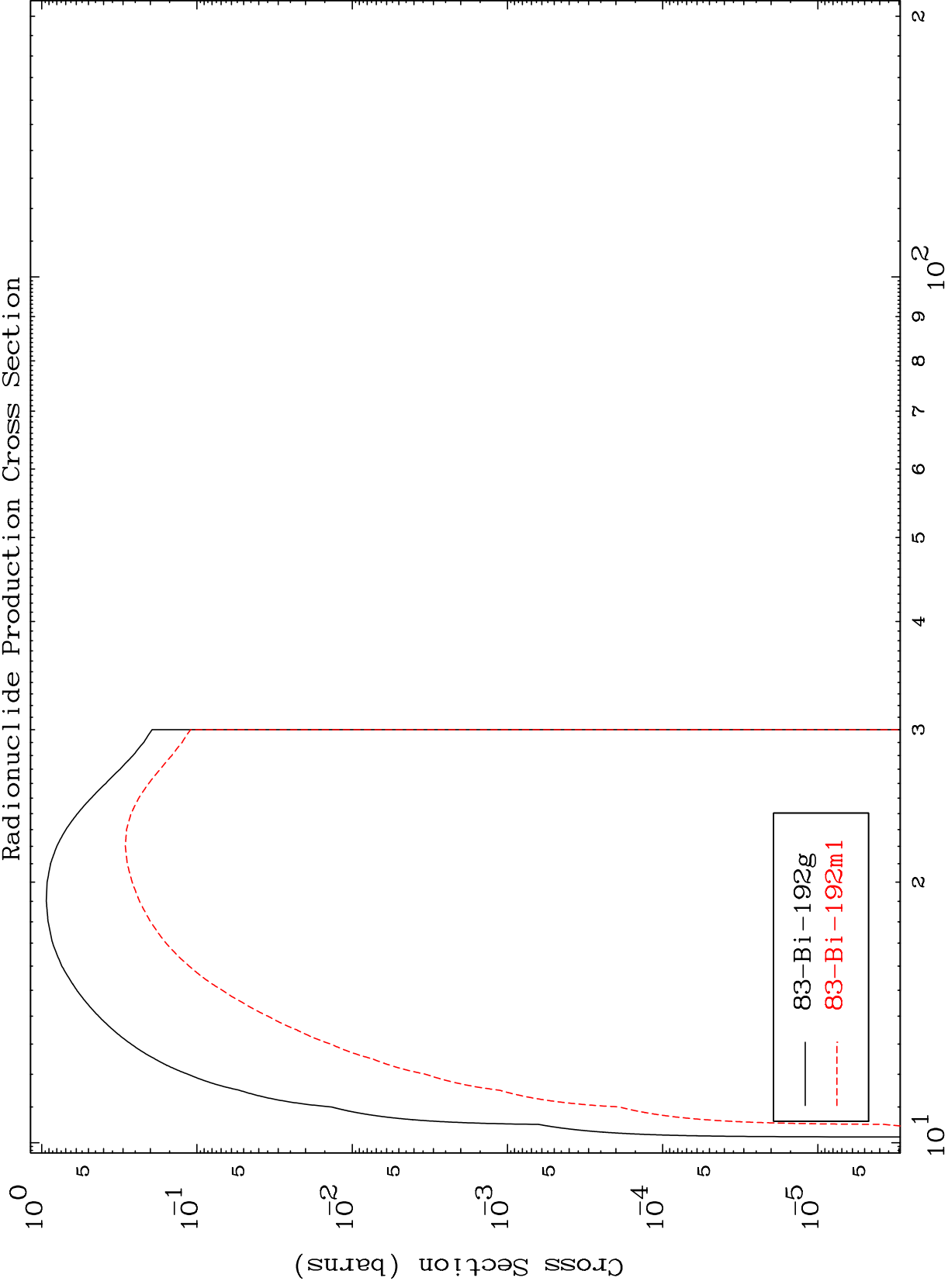
18

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(n,2n)

83-Bi-193

Radionuclide Production Cross Section



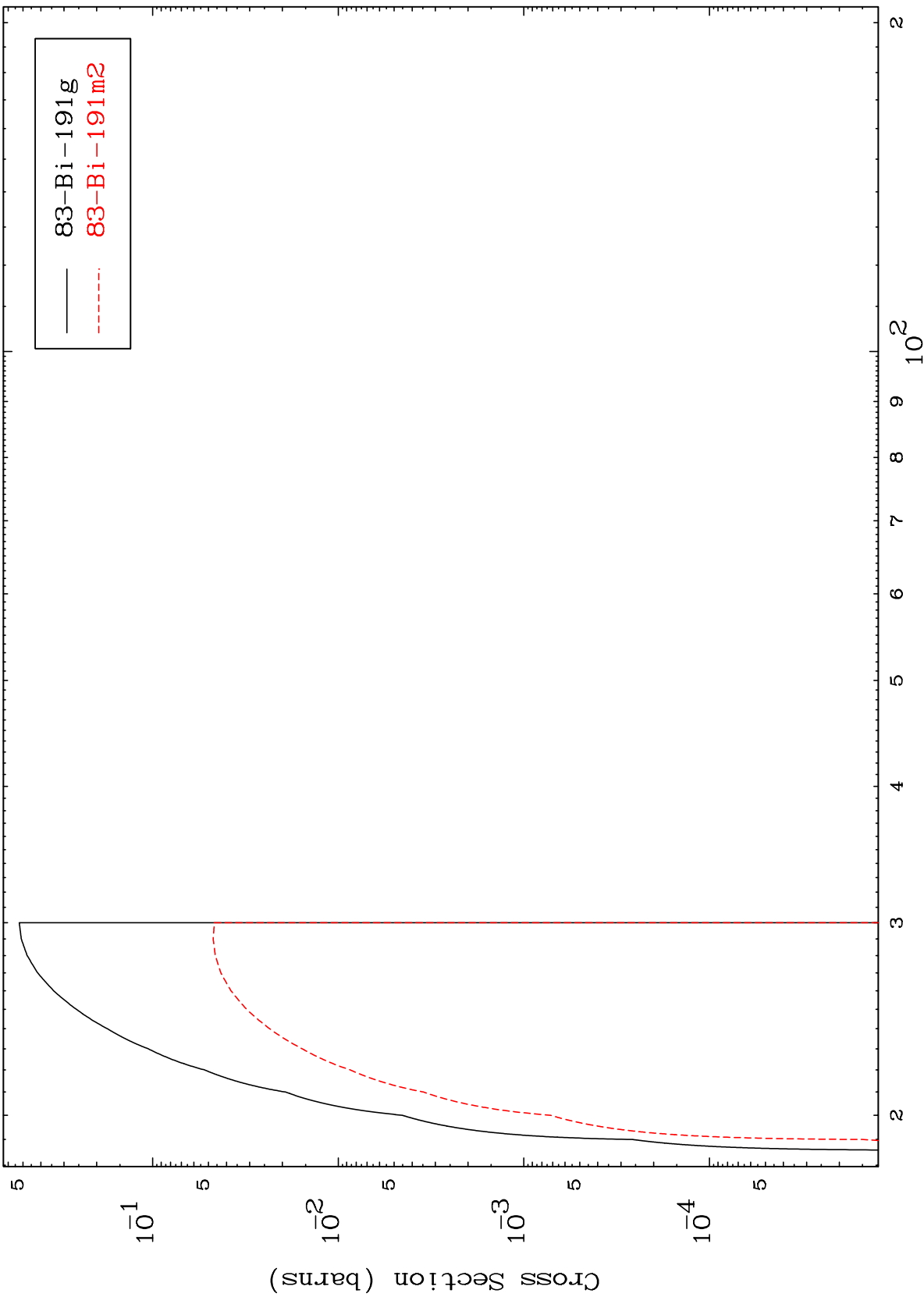
Incident Energy (MeV)

83-Bi-193

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83-Bi-193

(n,3n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

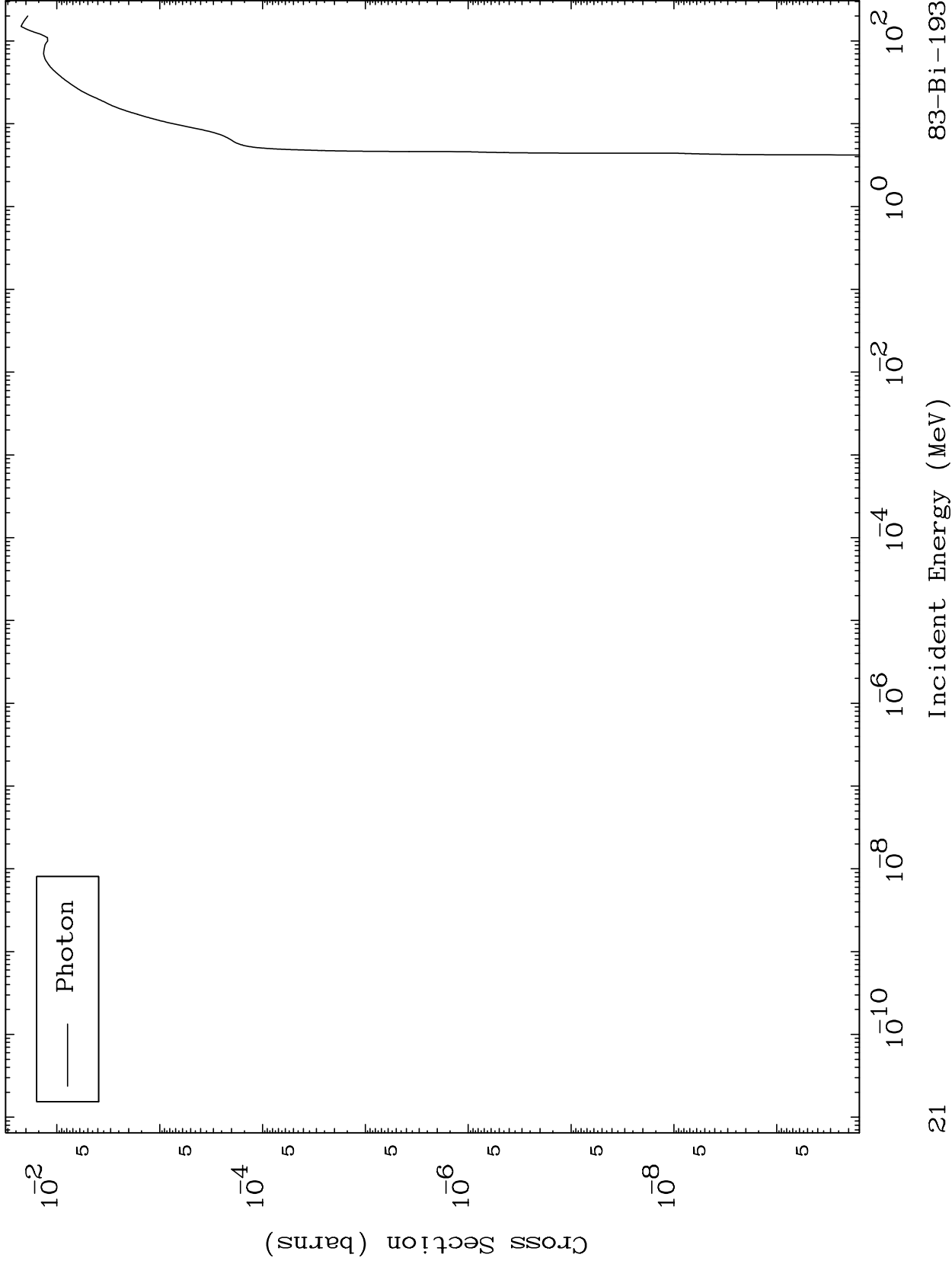
83-Bi-193

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Fission

83-Bi-193

Radionuclide Production Cross Section

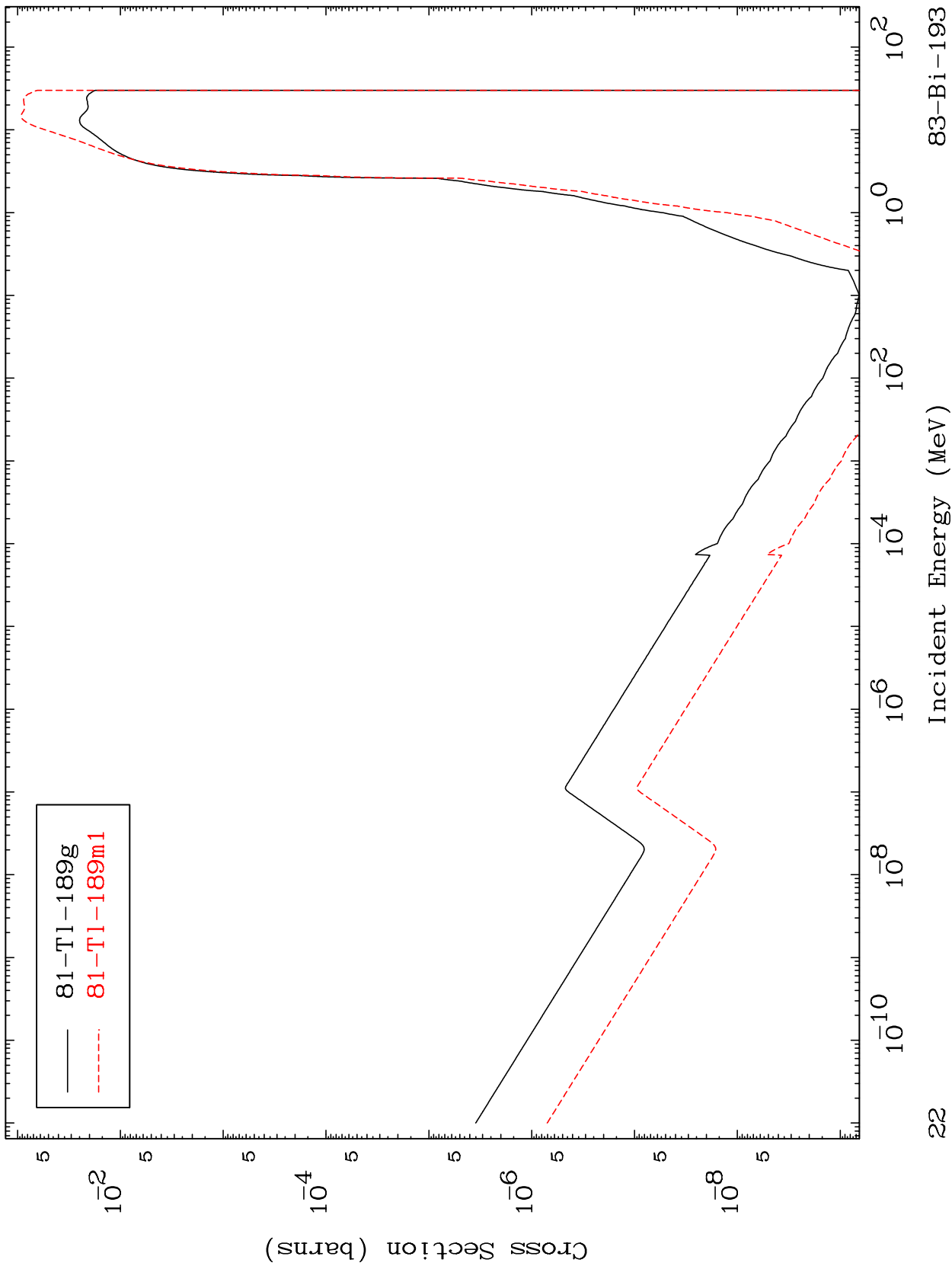


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$(n, n') \alpha$

83-Bi-193

Radionuclide Production Cross Section

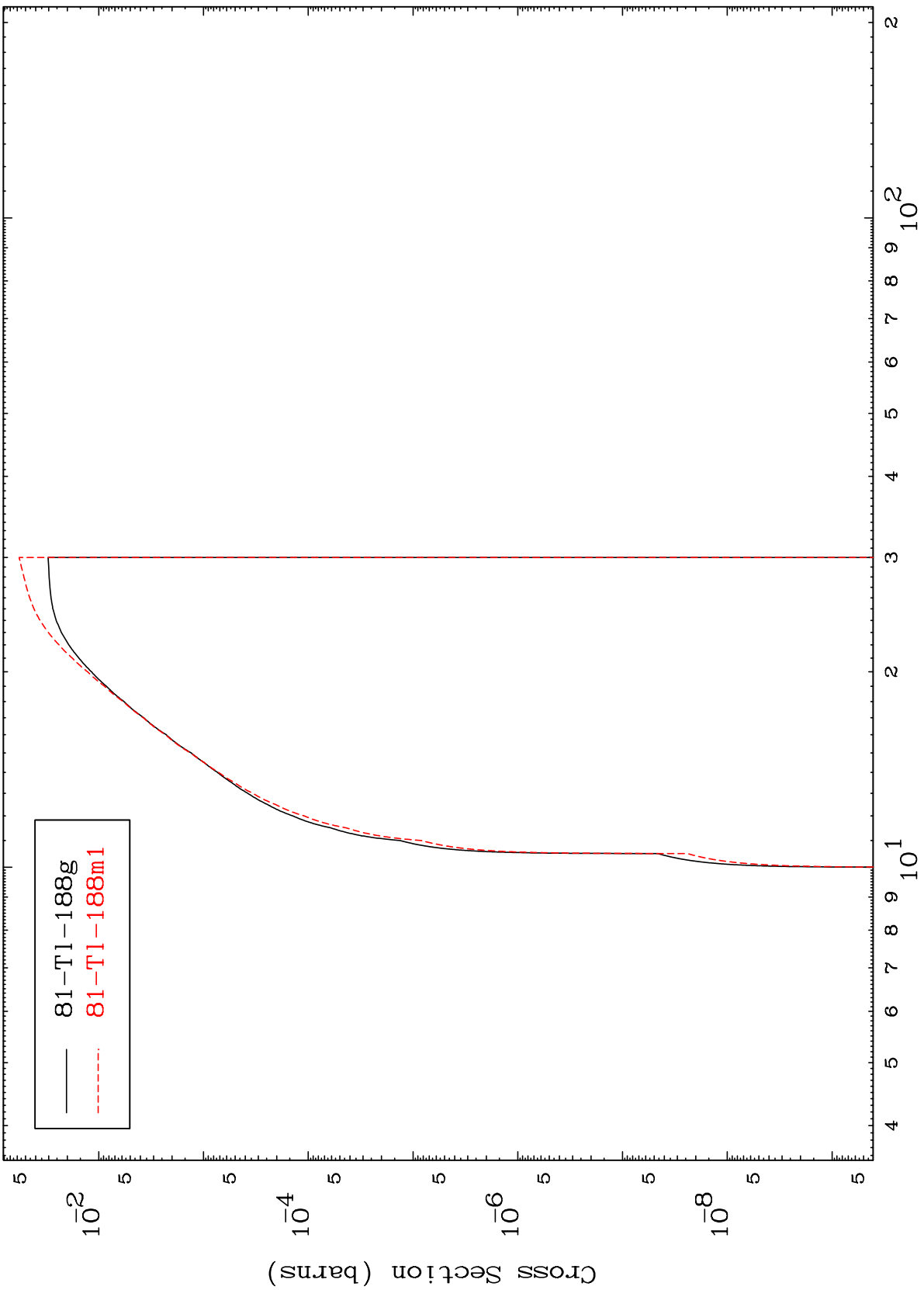


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$(n,2n) \alpha$

83-Bi-193

Radionuclide Production Cross Section



23

Incident Energy (MeV)

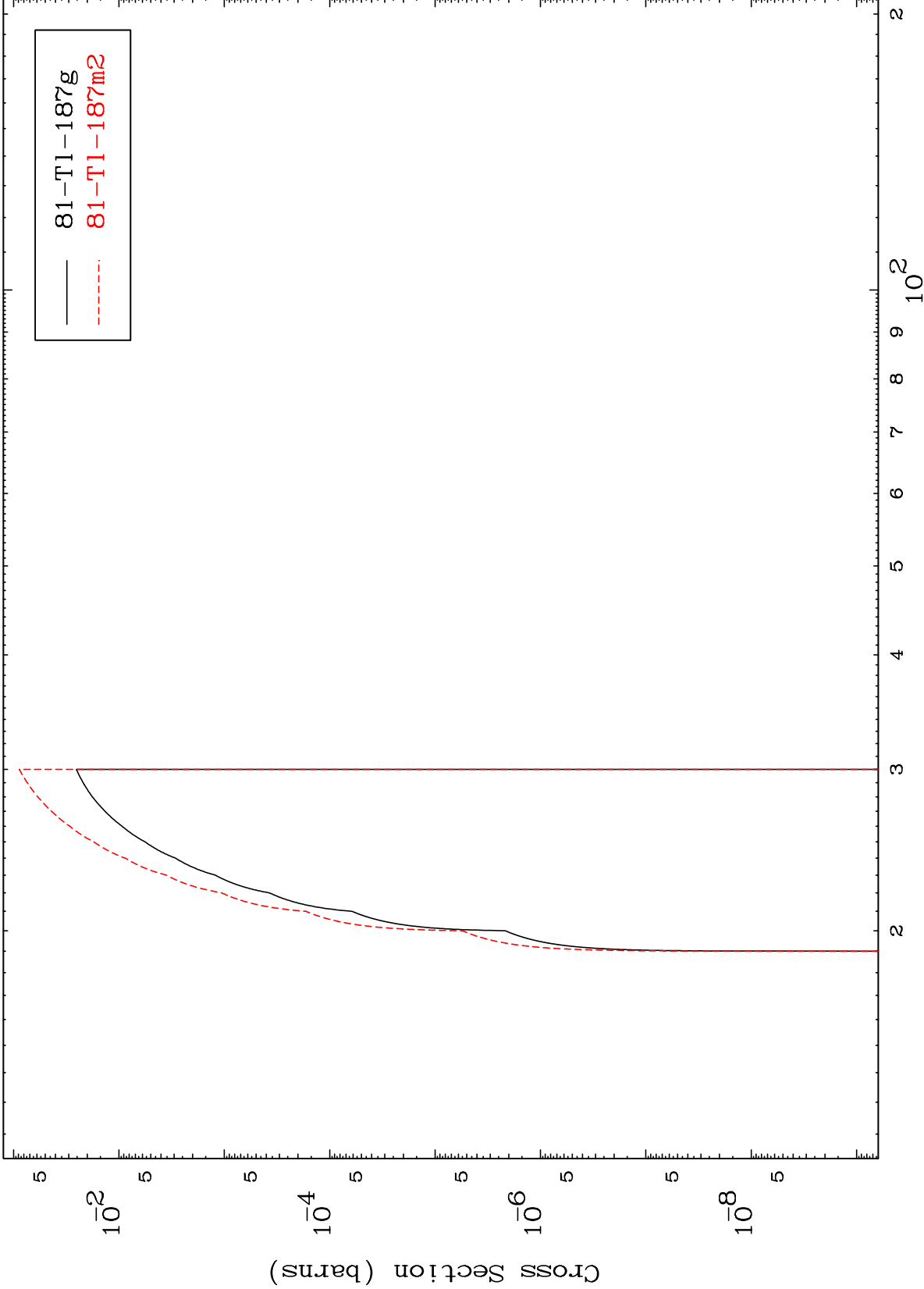
83-Bi-193

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(n,3n) α

83-Bi-193

Radionuclide Production Cross Section



24

Incident Energy (MeV)

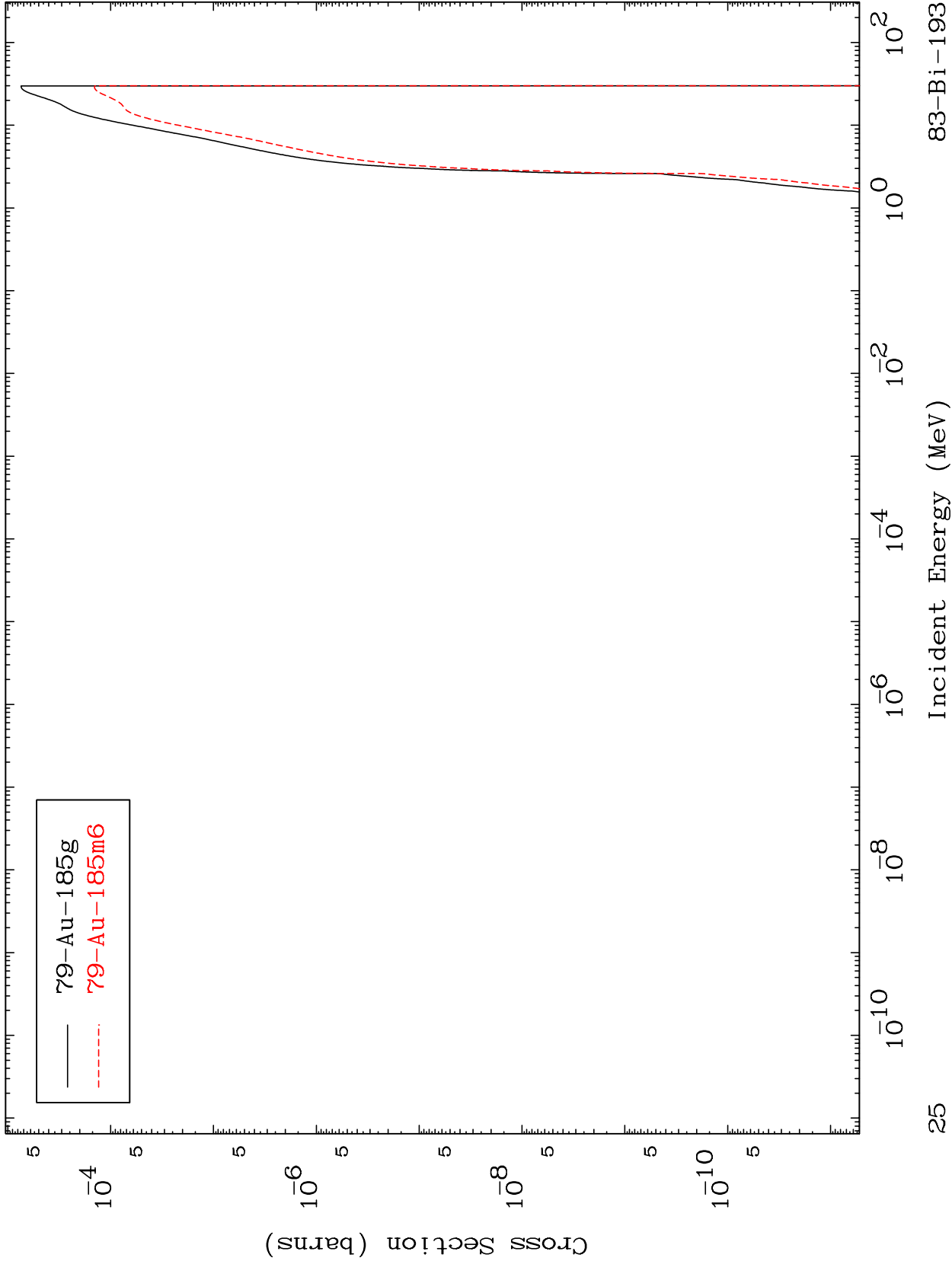
83-Bi-193

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(n,n') 2 α

83-Bi-193

Radionuclide Production Cross Section



25

Incident Energy (MeV)

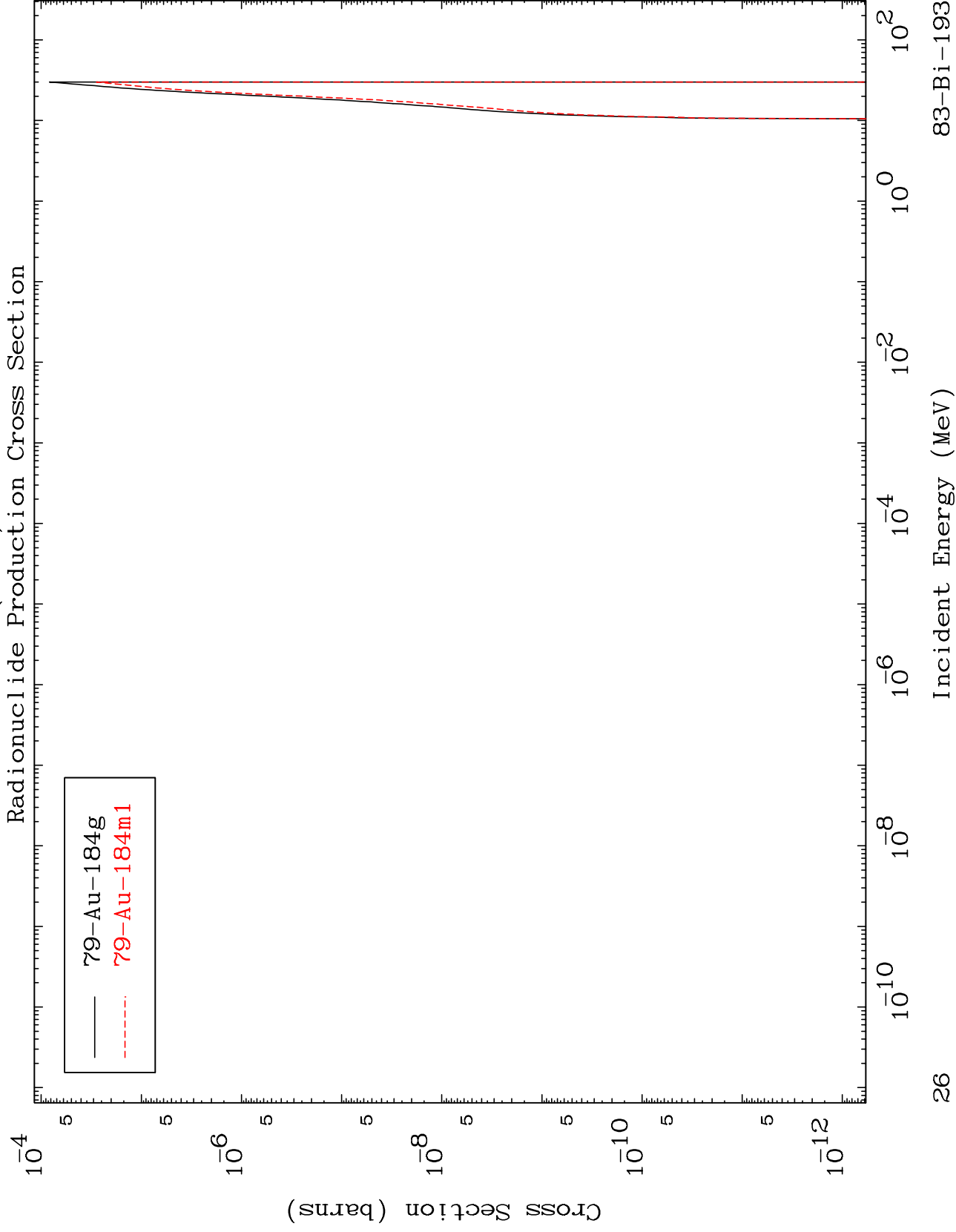
83-Bi-193

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(n,2n) 2 α

83-Bi-193

Radionuclide Production Cross Section



26

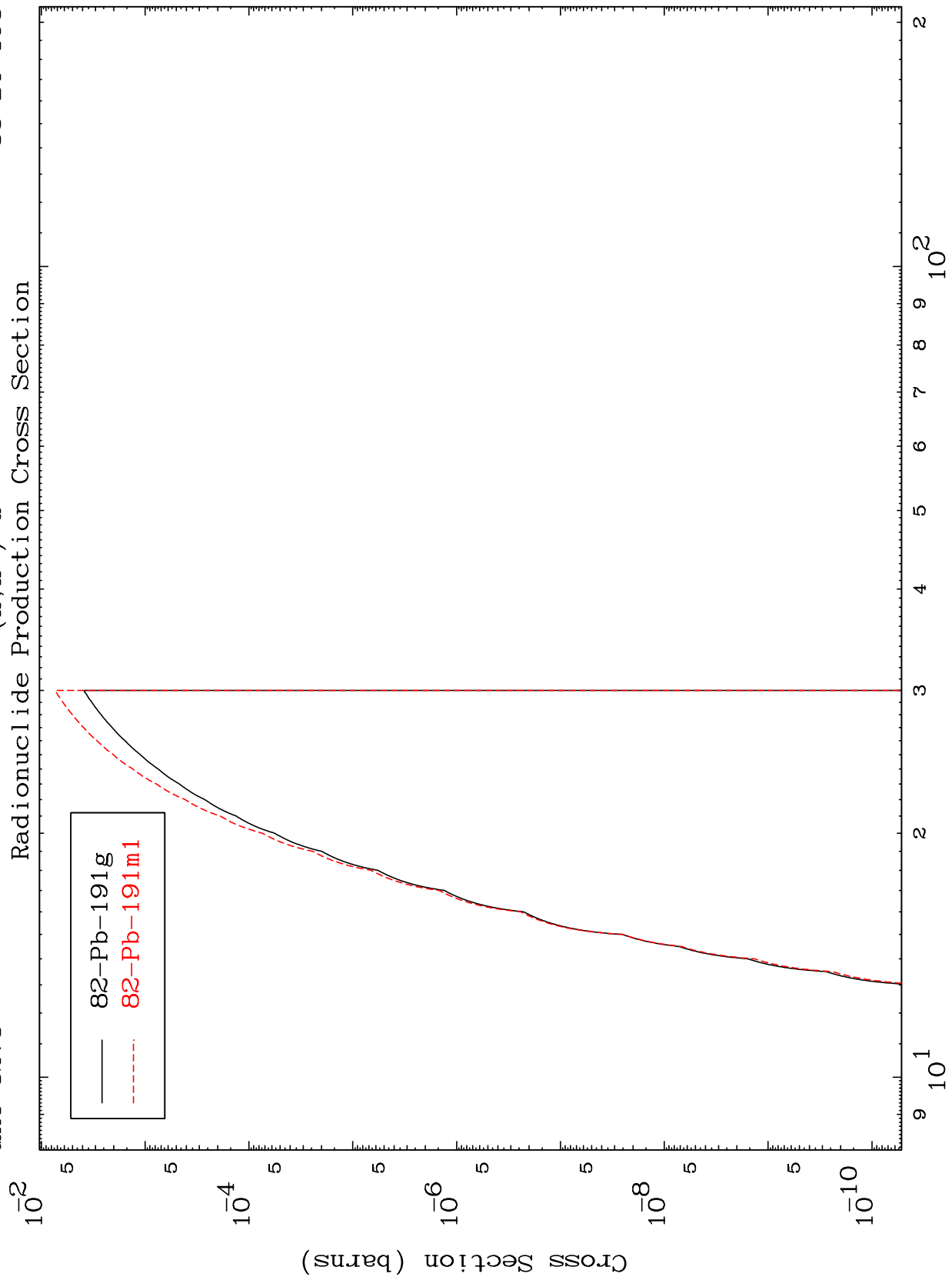
Incident Energy (MeV)

83-Bi-193

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(n,n') d

83-Bi-193



27

Incident Energy (MeV)

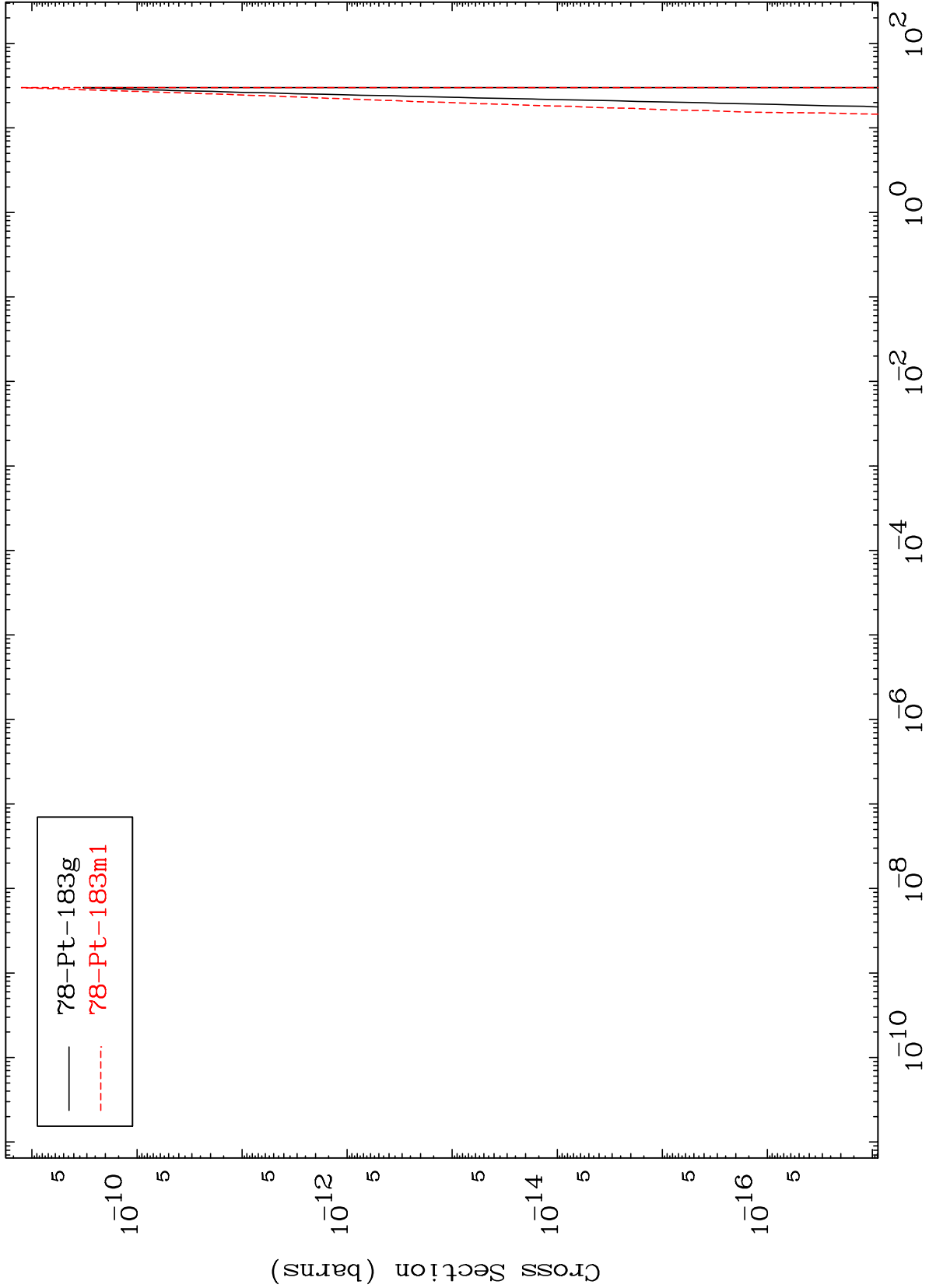
83-Bi-193

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(n,n') d,2α

83-Bi-193

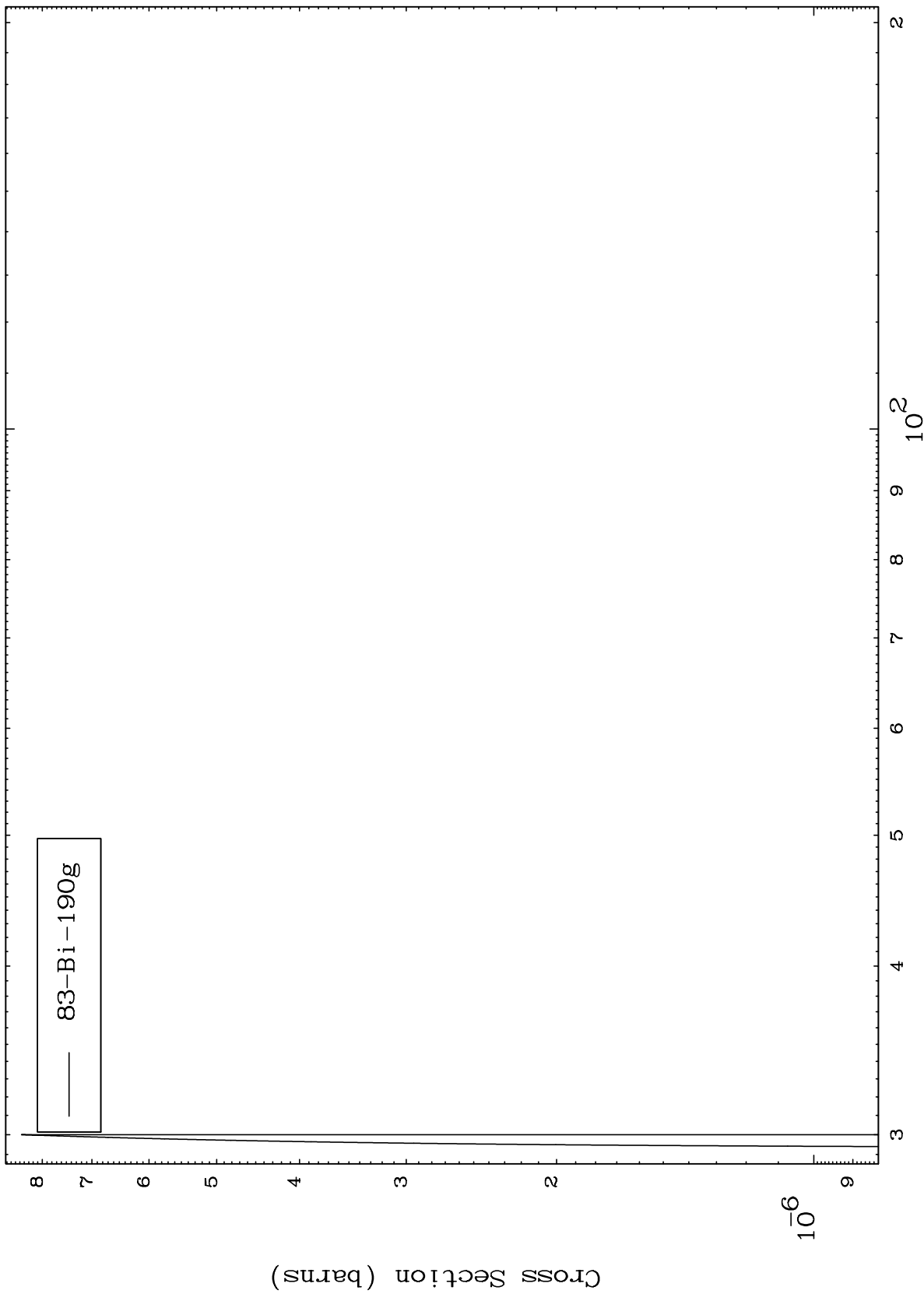
Radionuclide Production Cross Section



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(n,4n)
Radionuclide Production Cross Section

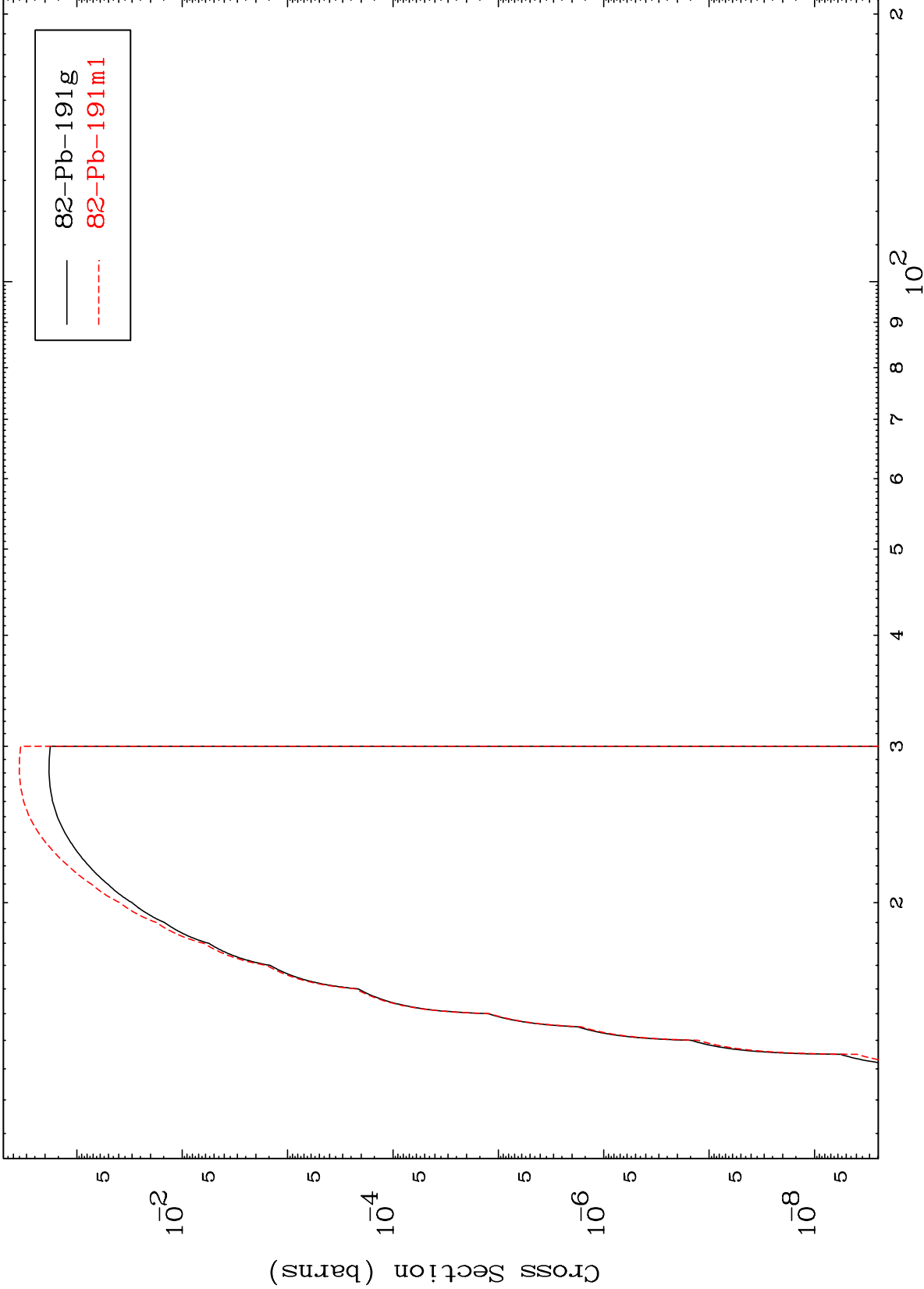


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83-Bi-193

Incident Energy (MeV)

Radionuclide Production Cross Section



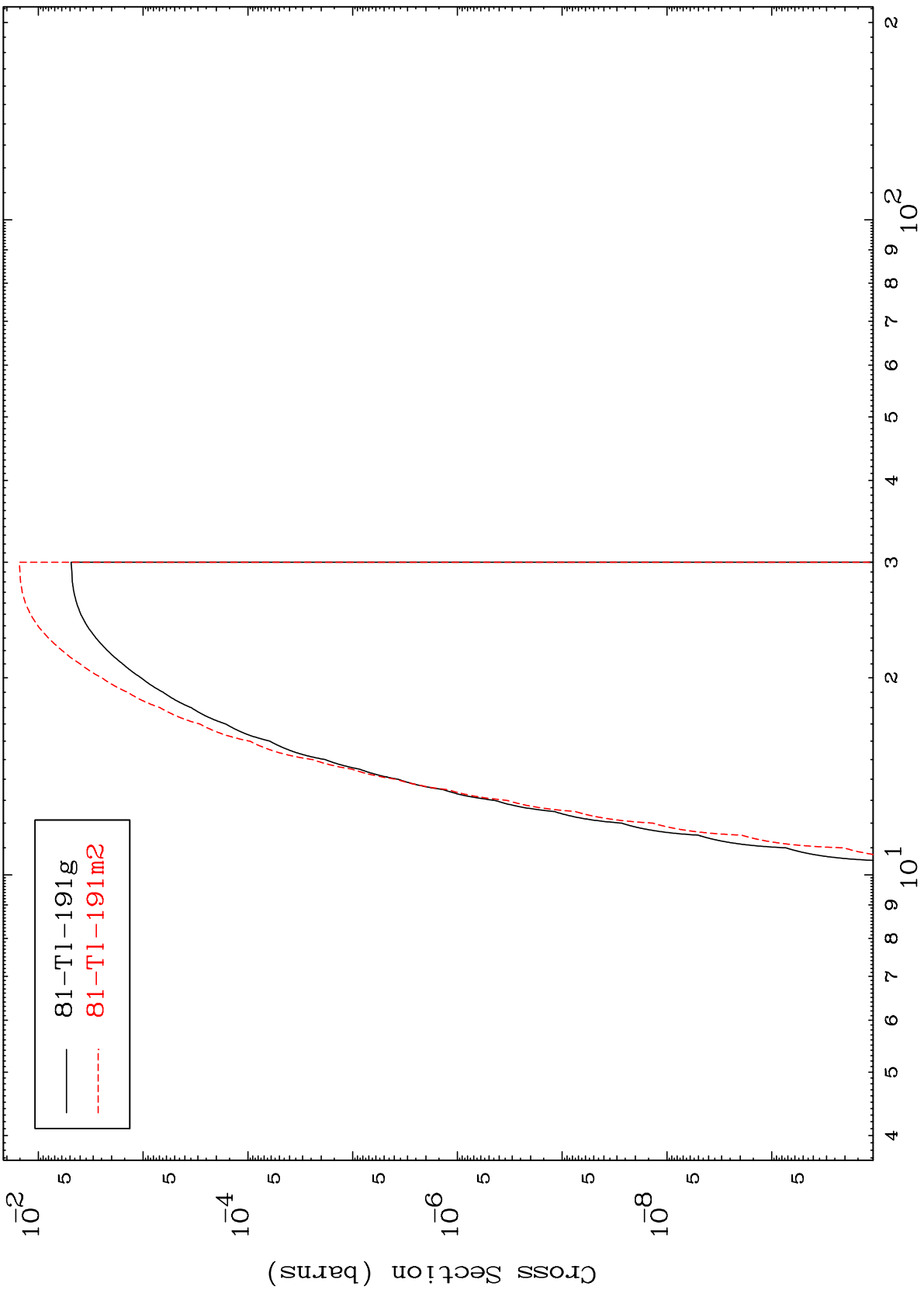
82-Pb-191g
82-Pb-191m1

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(n,2n) p

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Radionuclide Production Cross Section



31

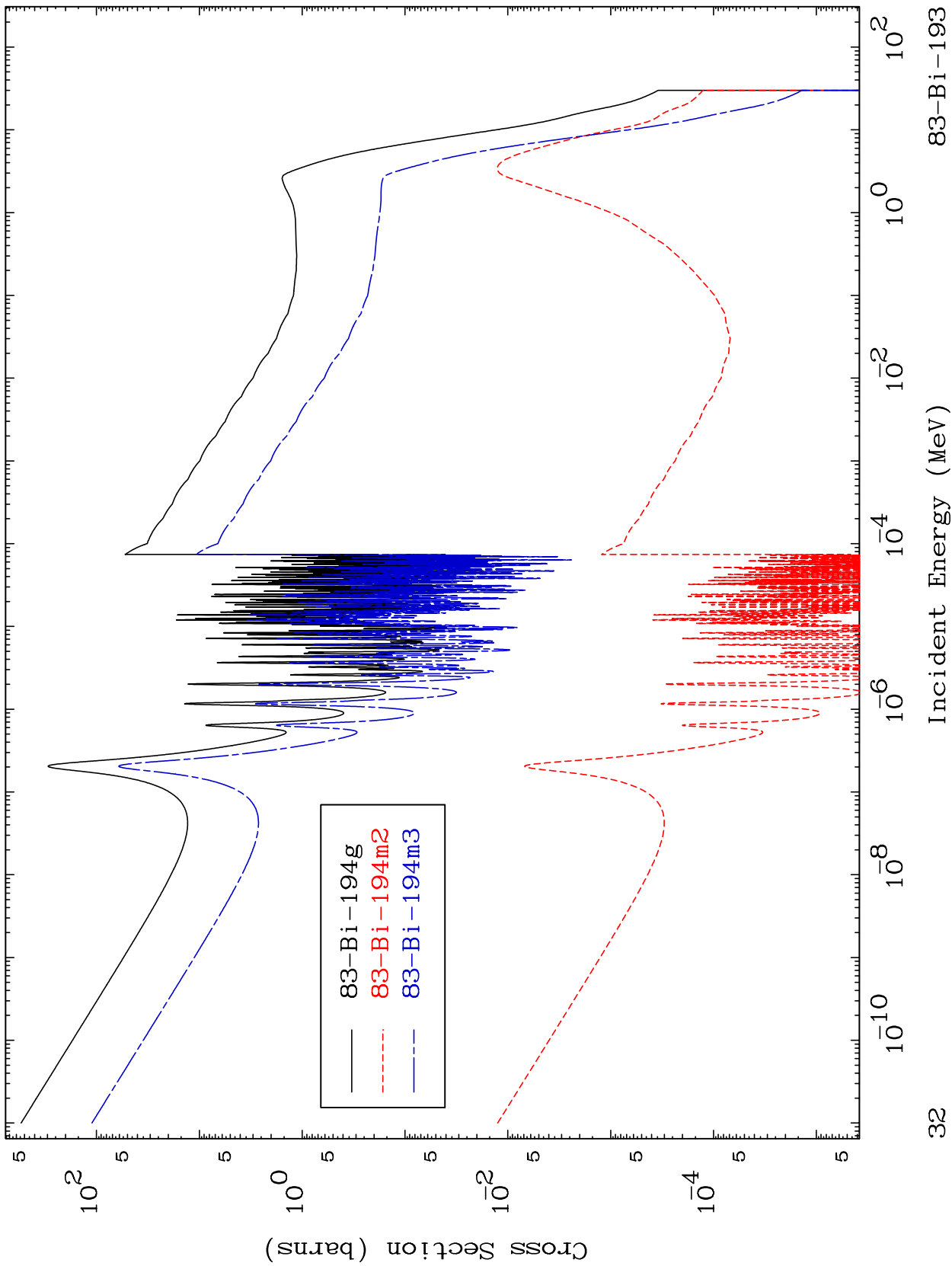
Incident Energy (MeV)

83-Bi-193

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83-Bi-193

Radionuclide Production Cross Section
(n, γ)



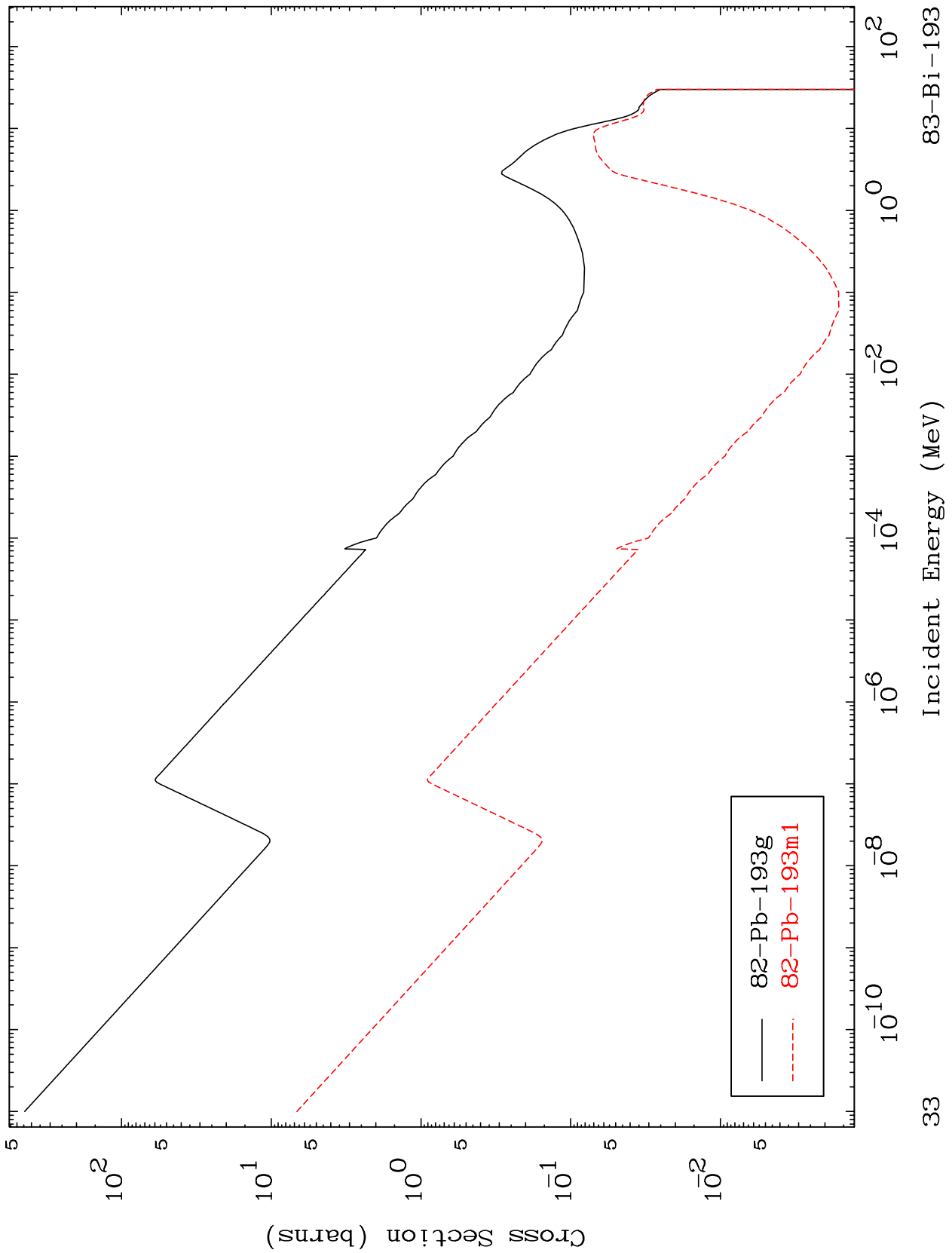
32

83-Bi-193

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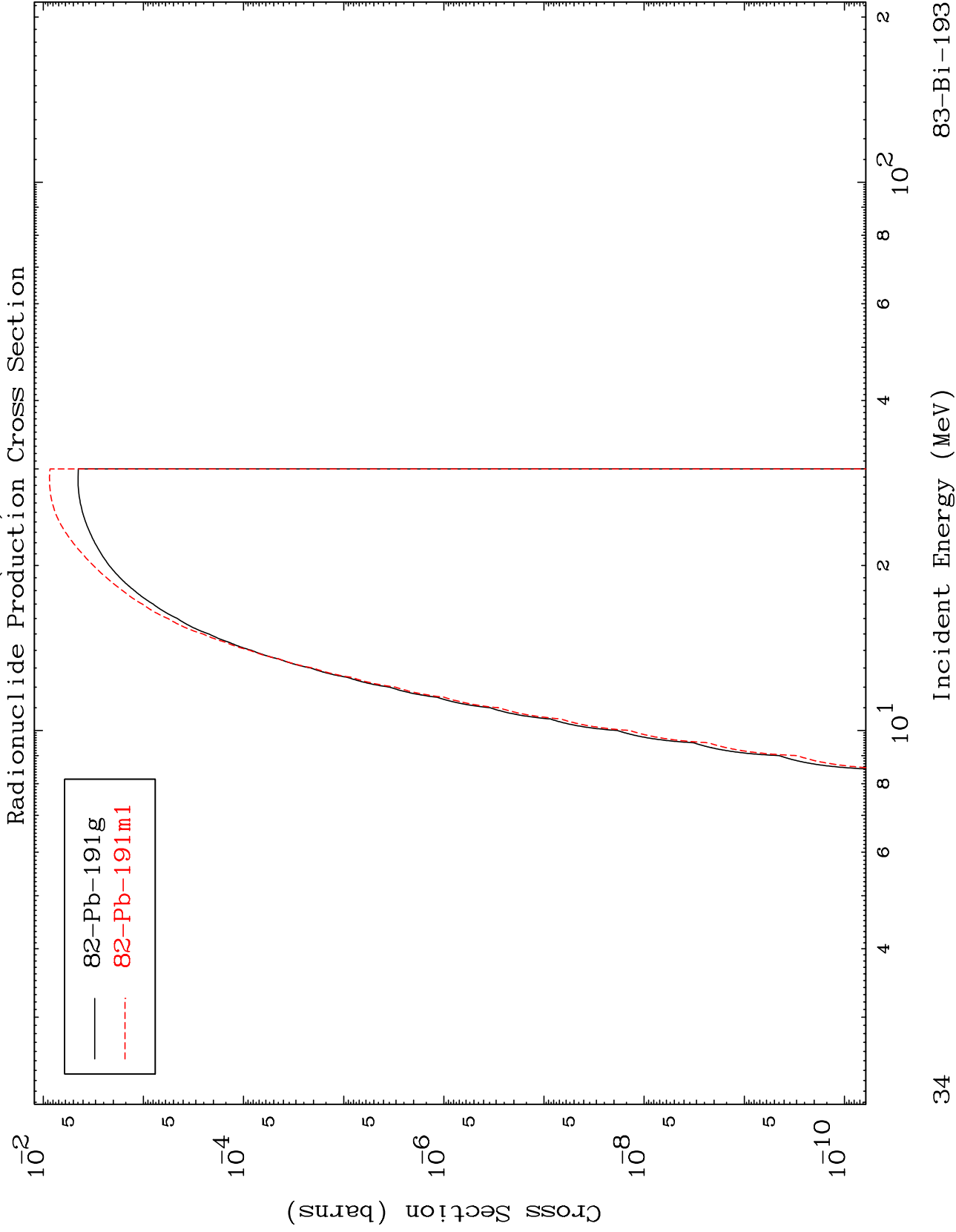
83-Bi-193

Radionuclide Production Cross Section



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83-Bi-193

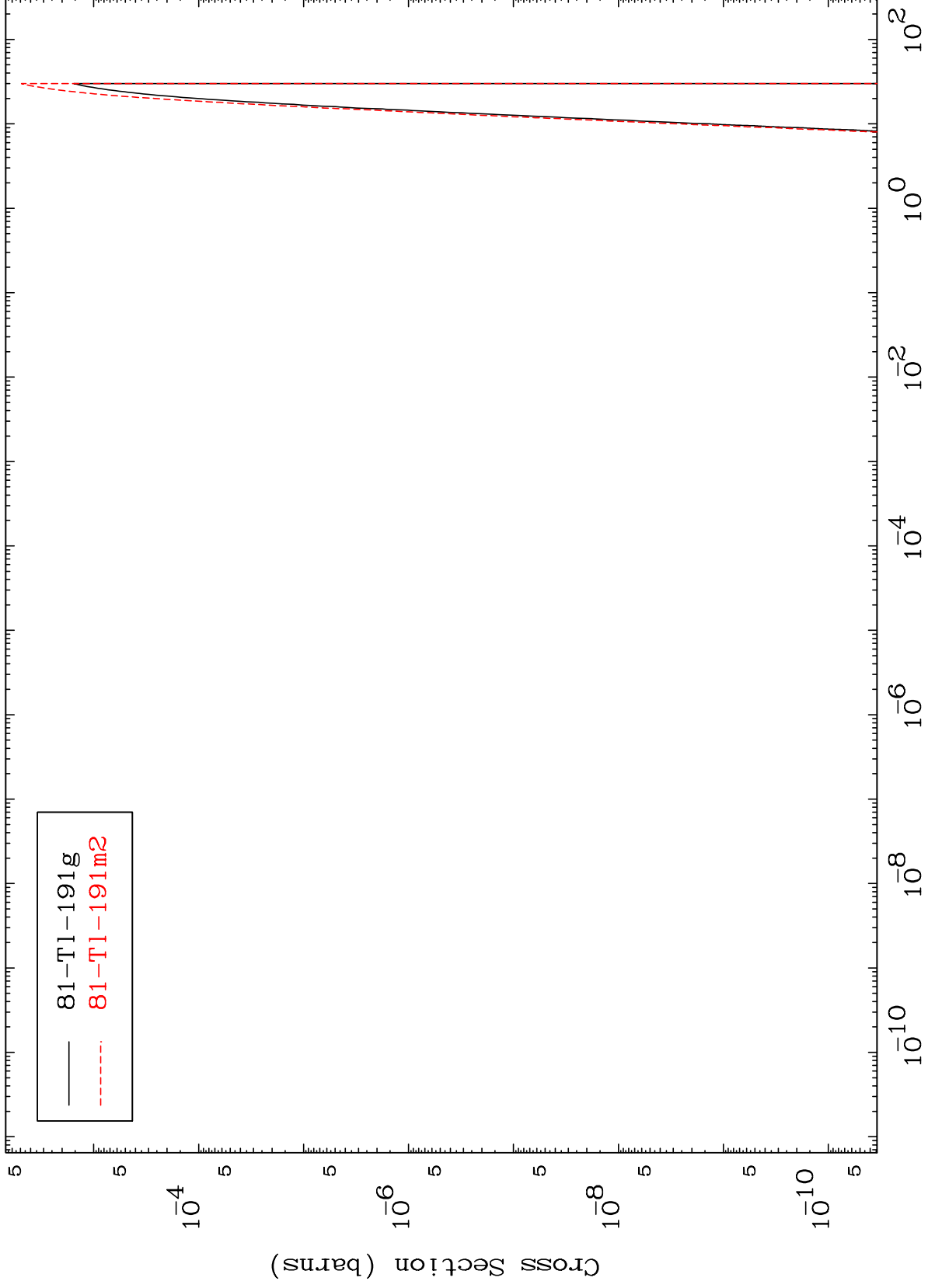


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(n,He-3)

83-Bi-193

Radionuclide Production Cross Section



35

Incident Energy (MeV)

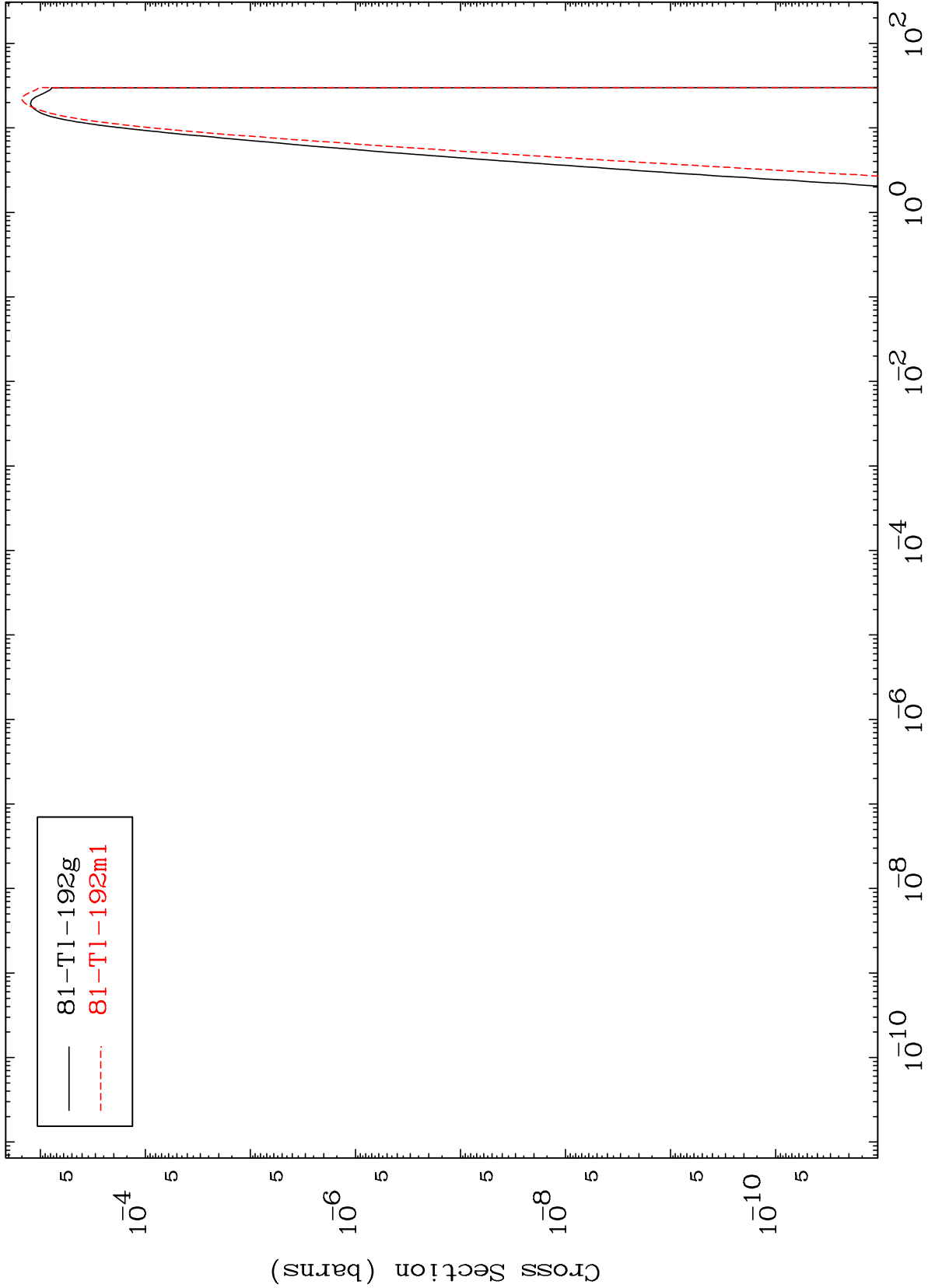
83-Bi-193

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(n,2p)

83-Bi-193

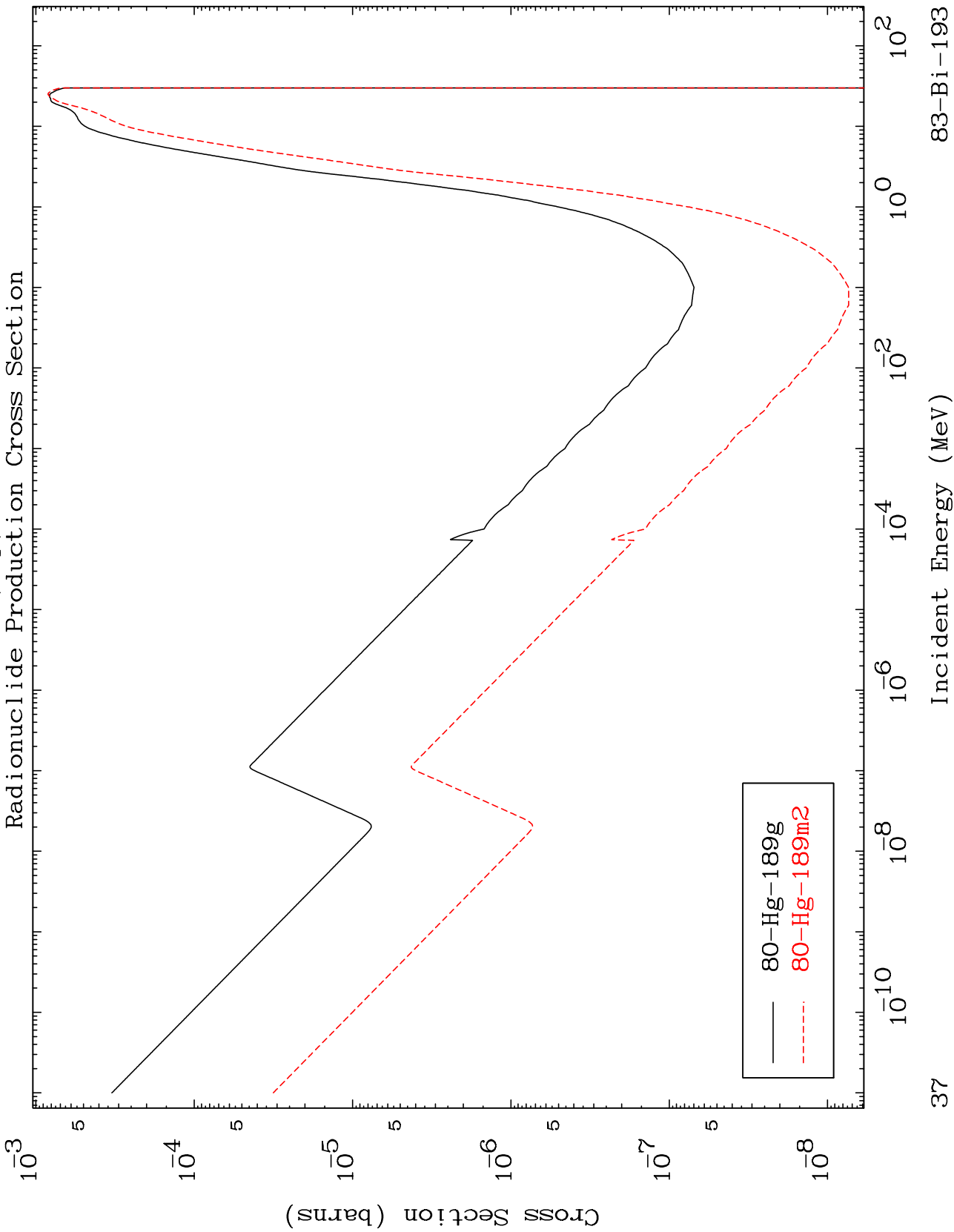
Radionuclide Production Cross Section



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(n,p) α

83-Bi-193

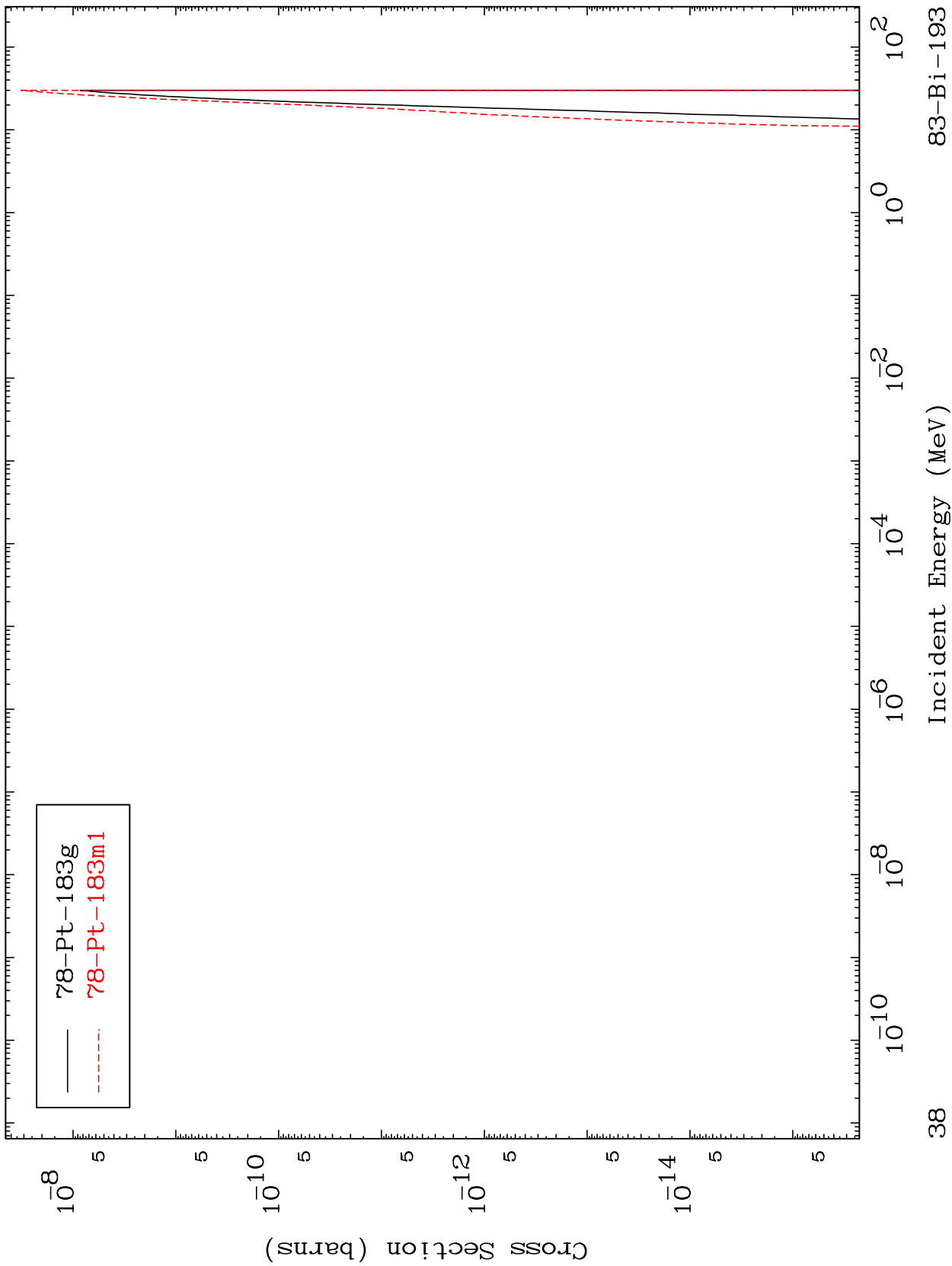


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(n,t) 2 α

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Radionuclide Production Cross Section

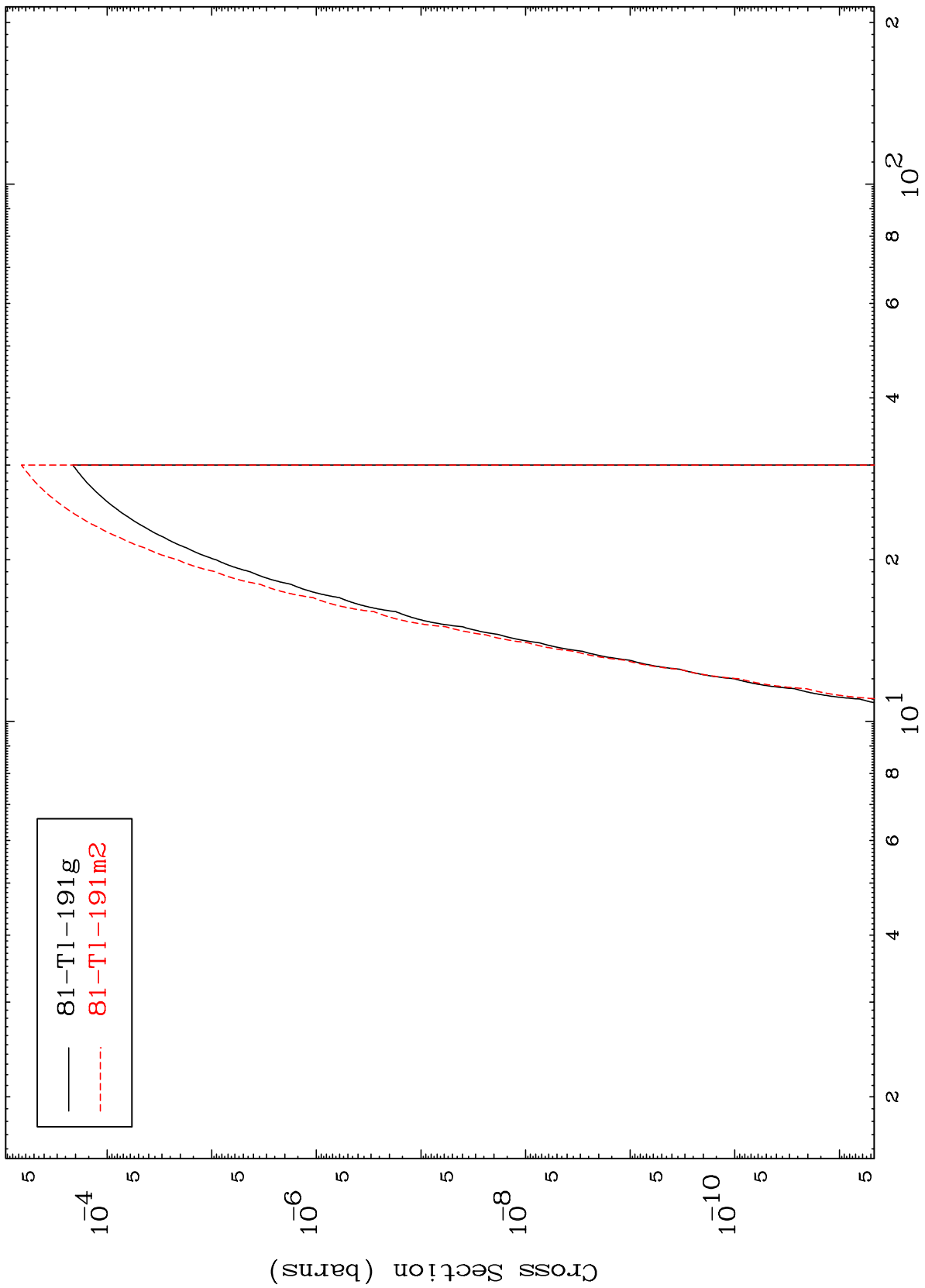


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(n,p) d

83-Bi-193

Radionuclide Production Cross Section



39

Incident Energy (MeV)

83-Bi-193