

Program EVALPLOT
(Version 2018-1)

by

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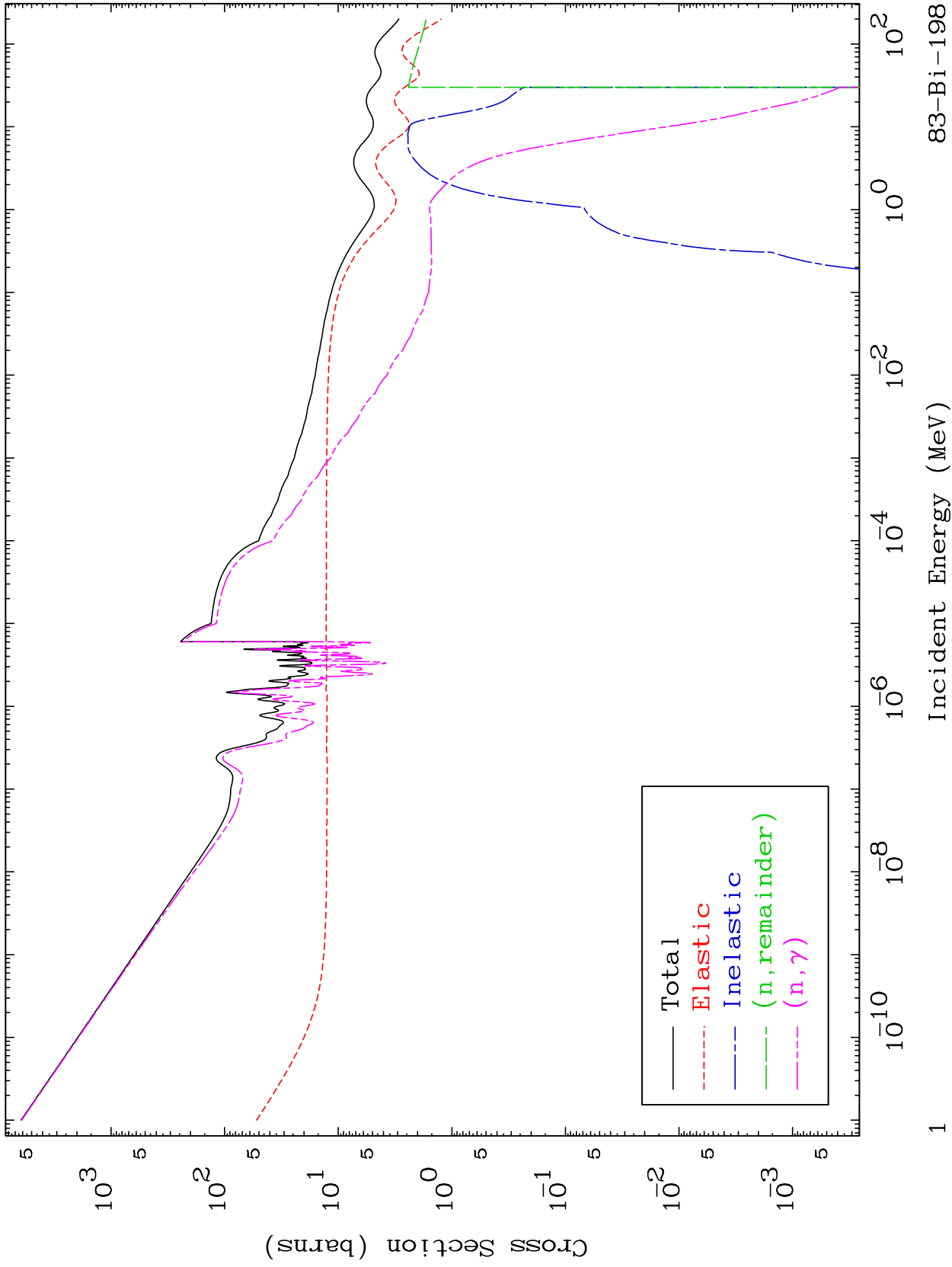
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8292

Major
293 Kelvin Cross Sections

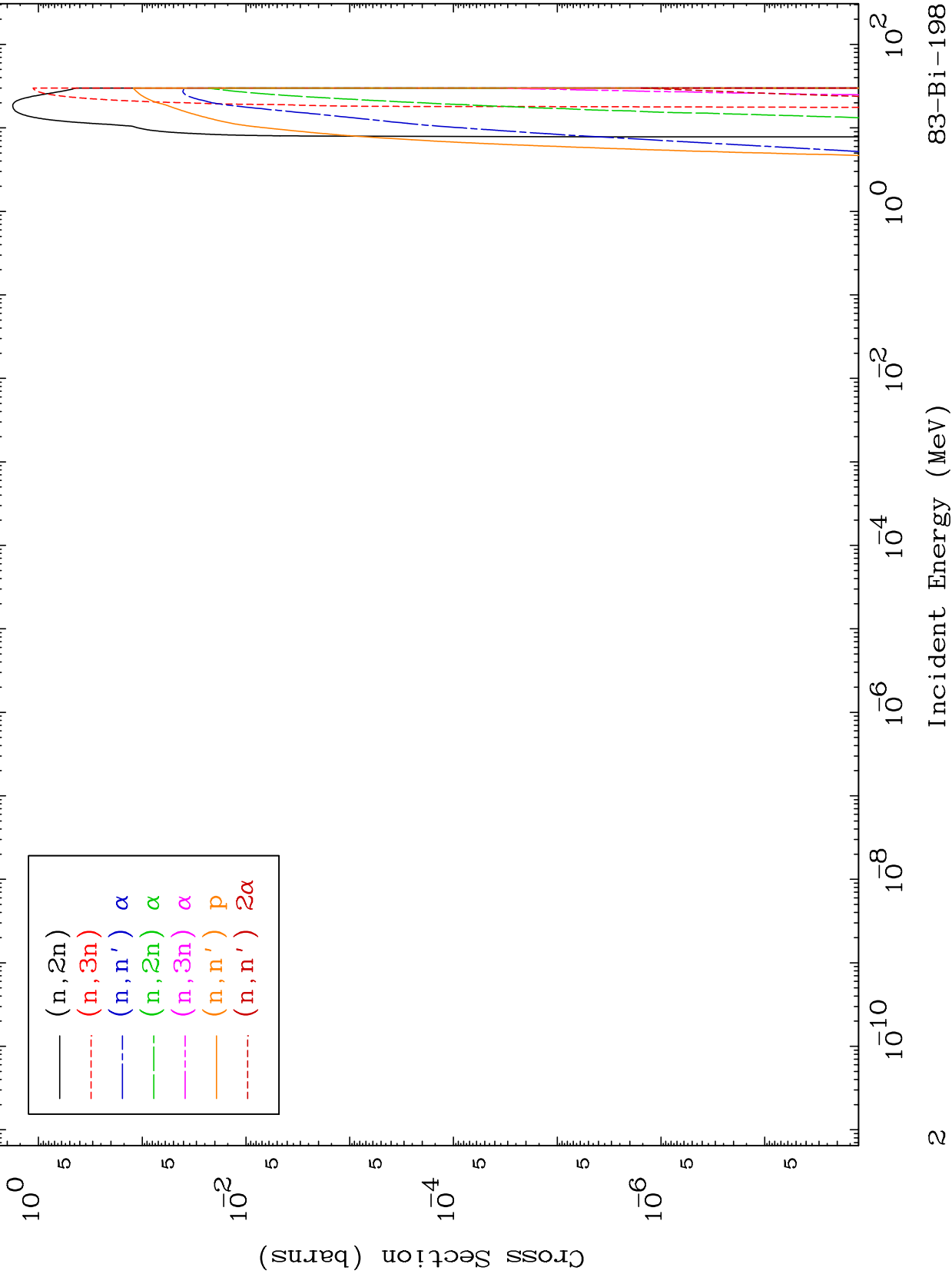
83-Bi-198



MAT 8292

Neutron Production
293 Kelvin Cross Sections

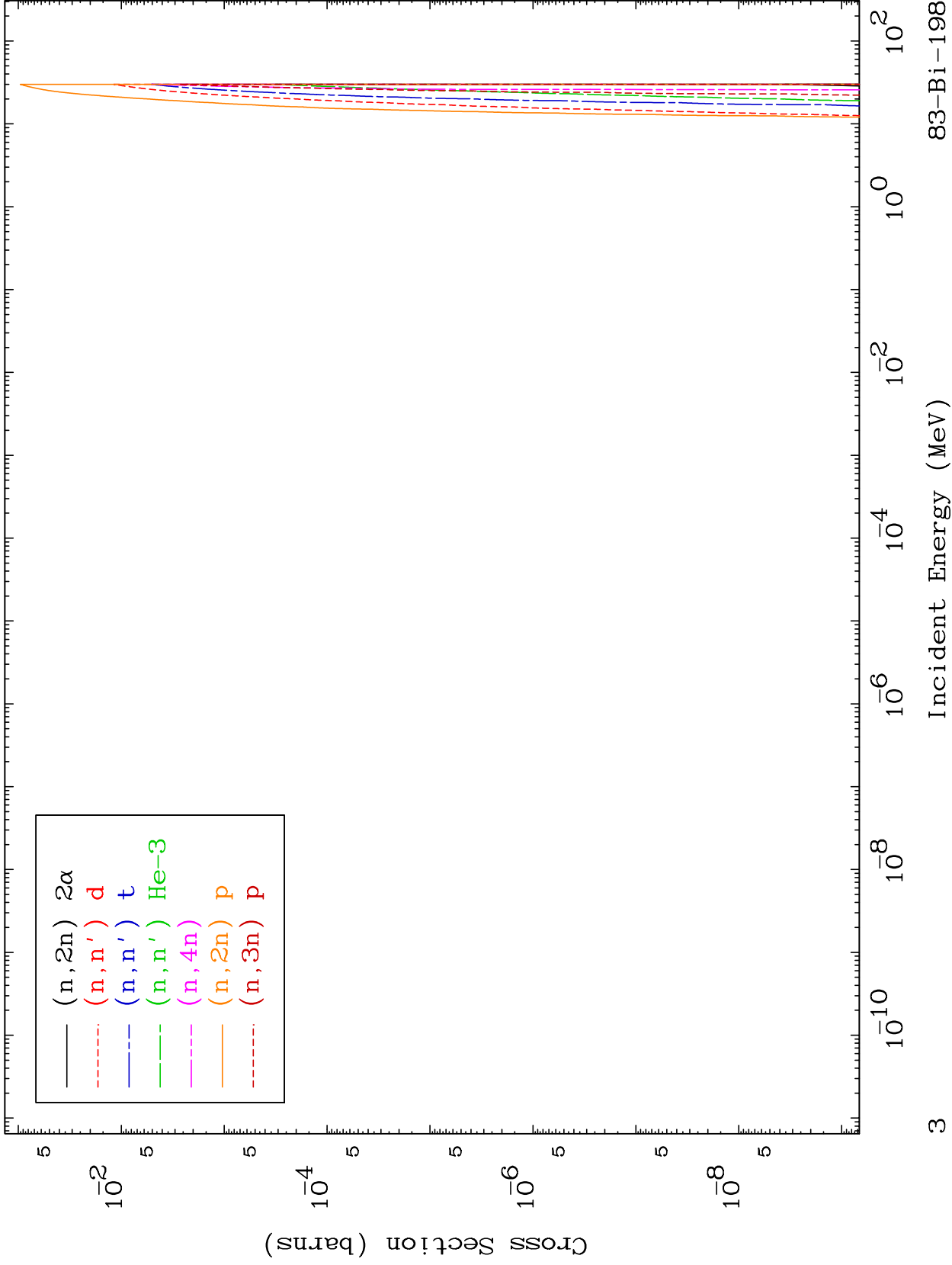
83-Bi-198



MAT 8292

Neutron Production
293 Kelvin Cross Sections

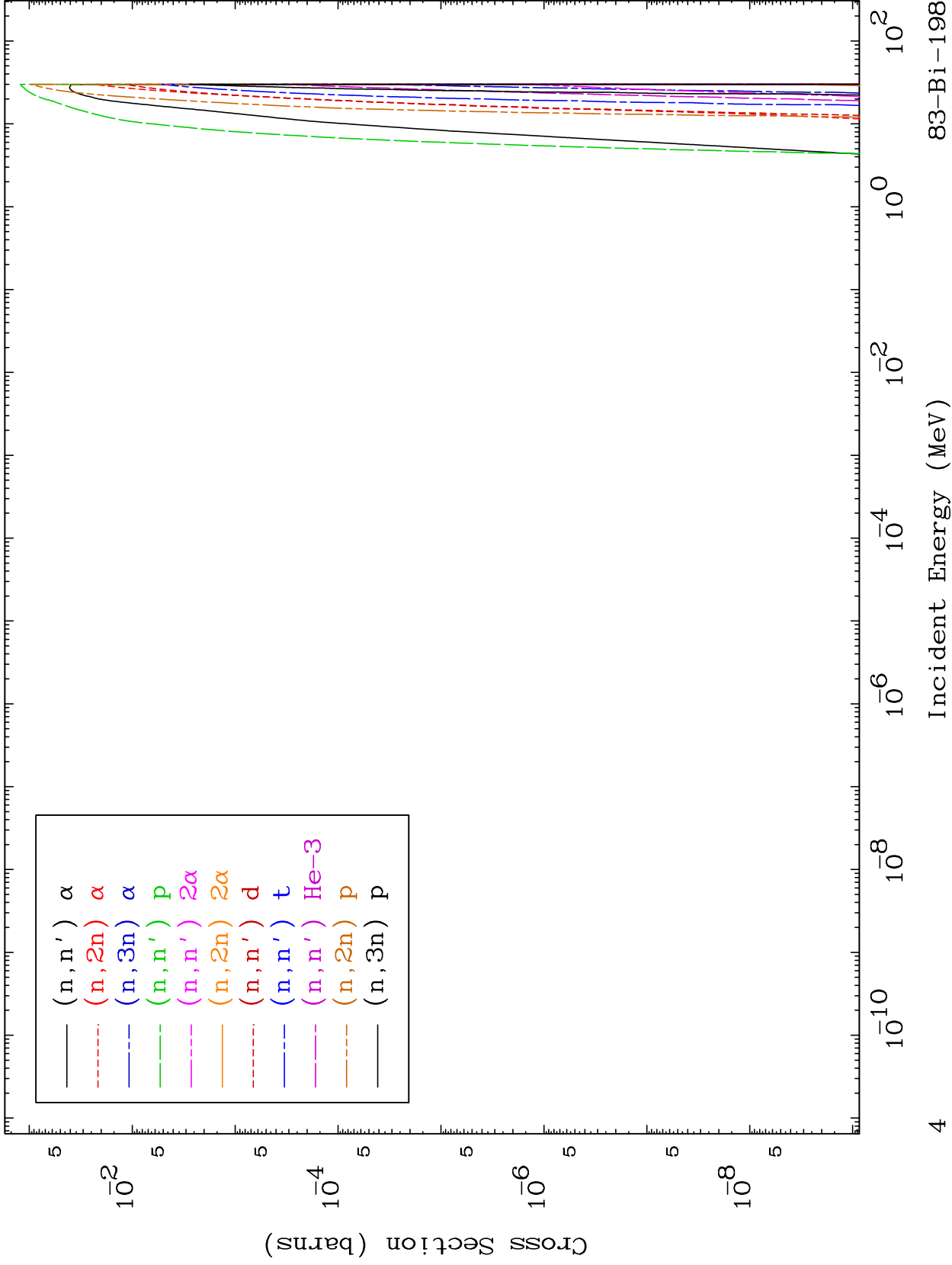
83-Bi-198



MAT 8292

Charged Particle
293 Kelvin Cross Sections

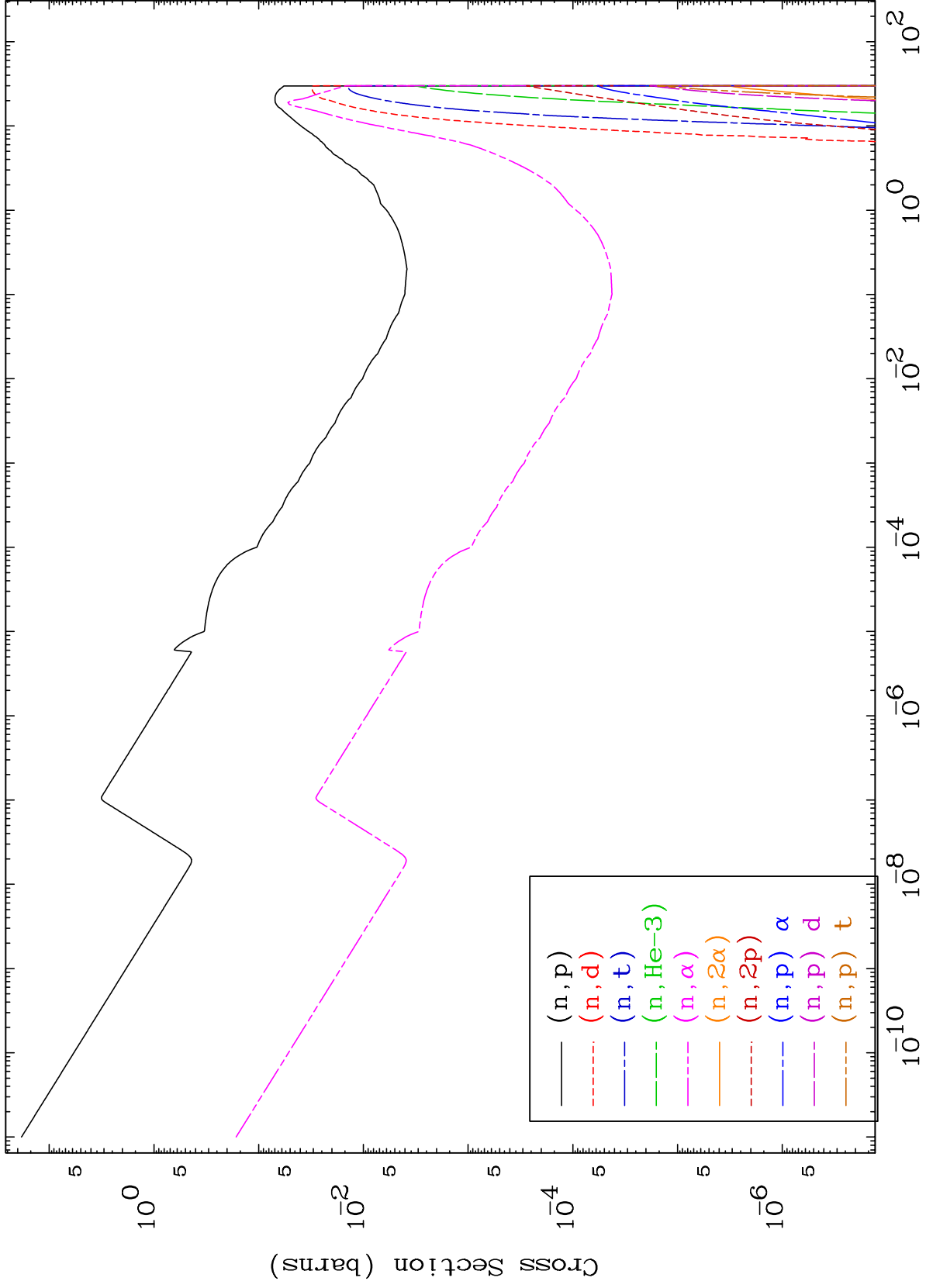
83-Bi-198

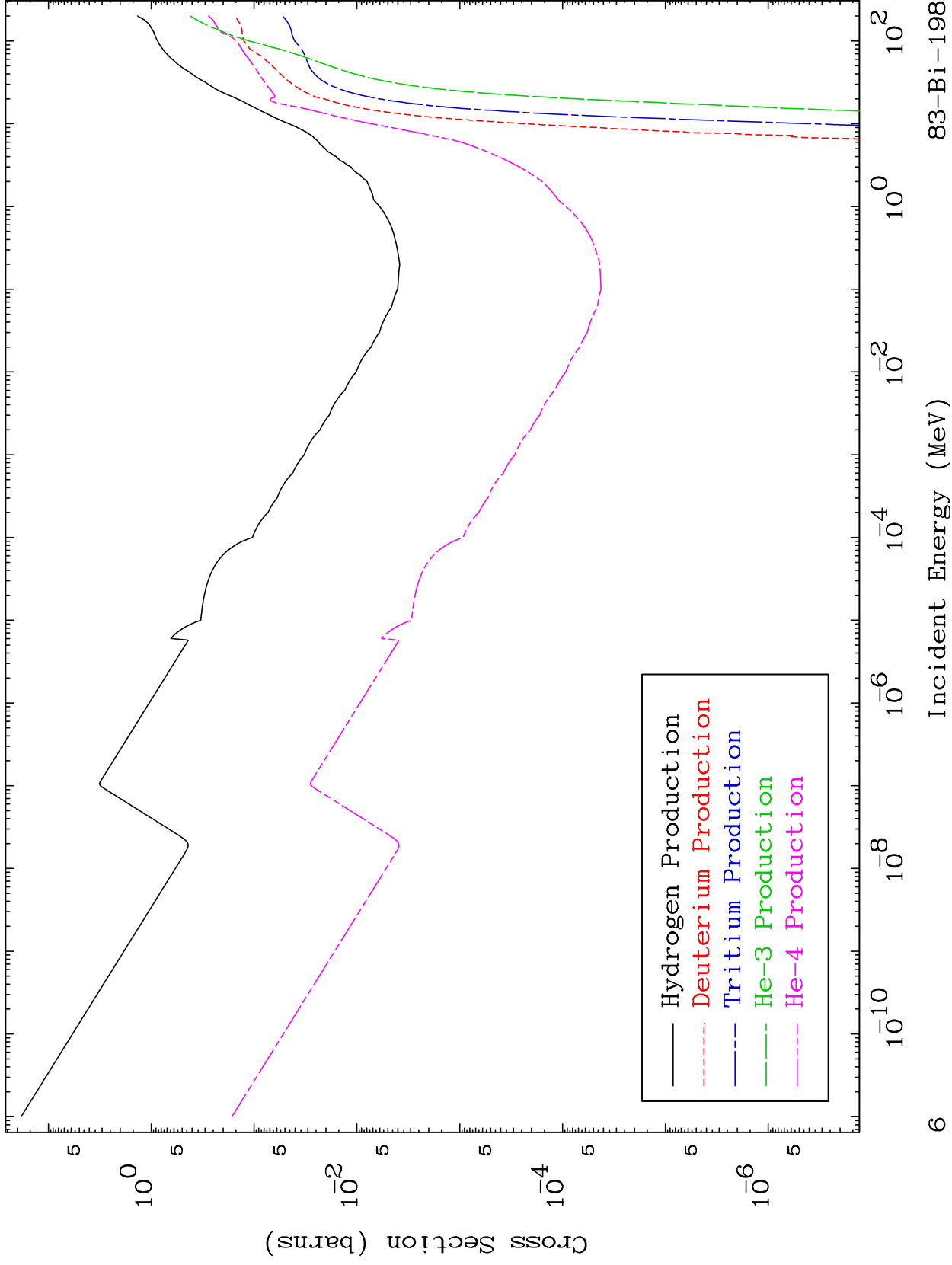


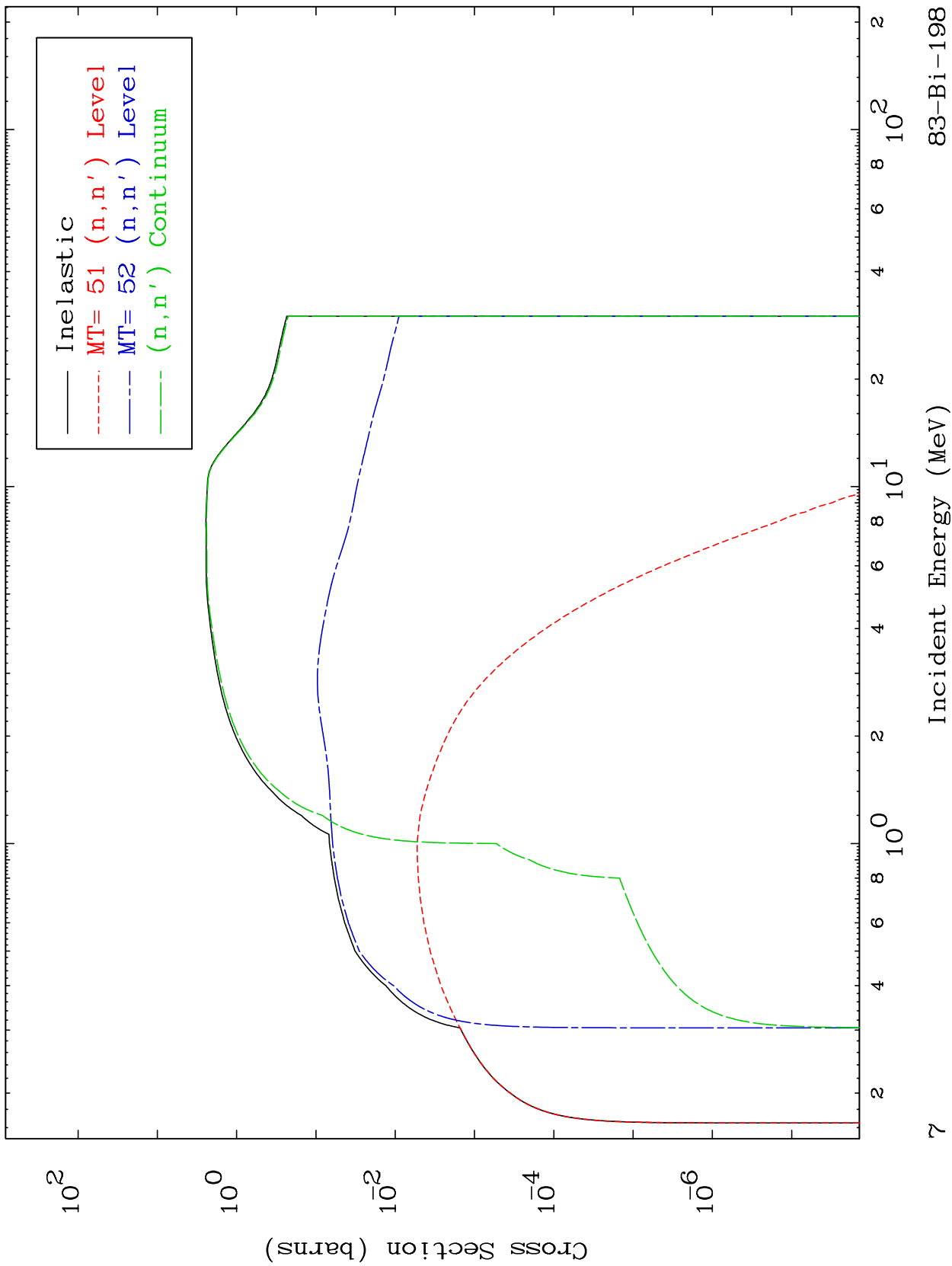
MAT 8292

Charged Particle
293 Kelvin Cross Sections

83-Bi-198



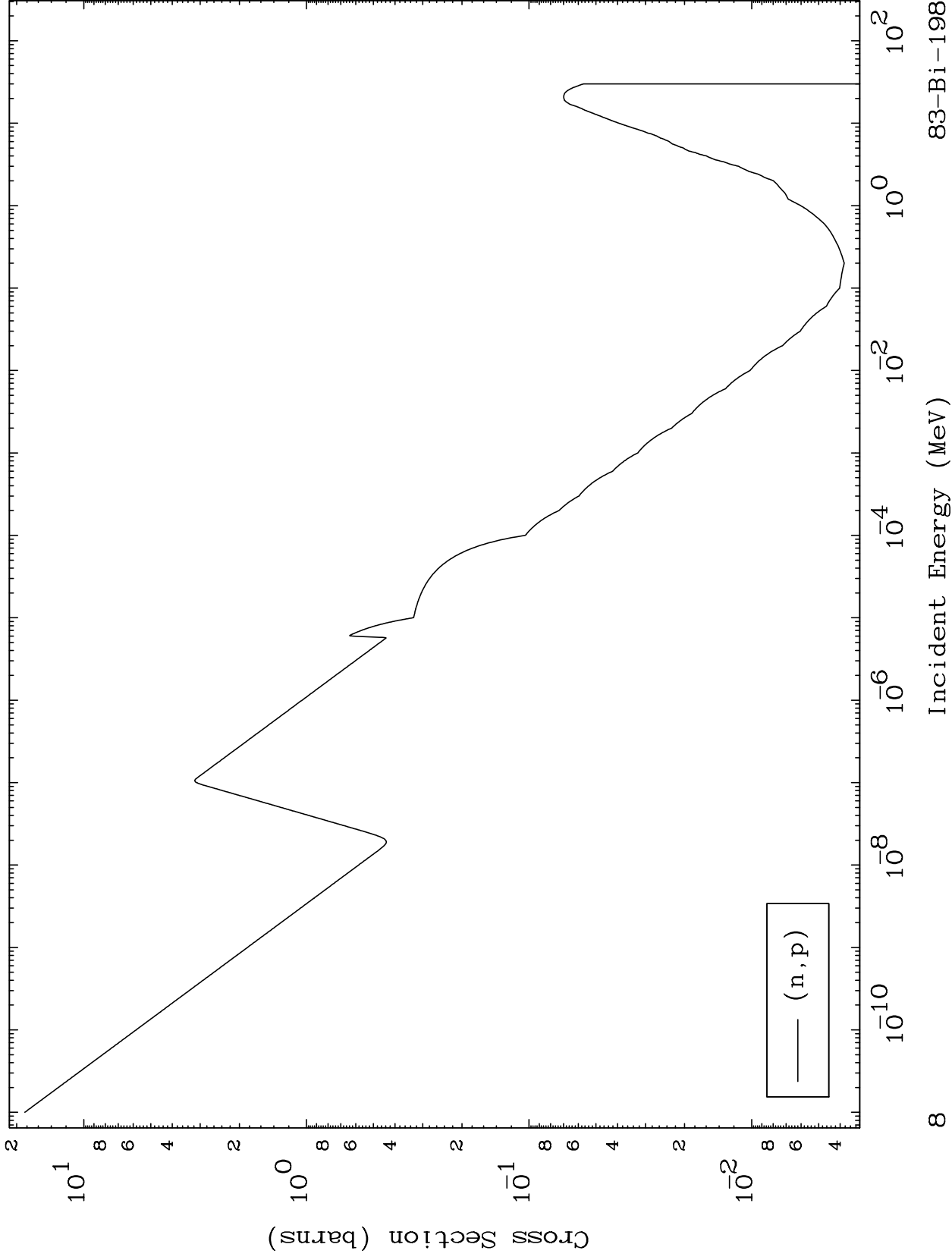




MAT 8292

(n,p) Levels
293 Kelvin Cross Sections

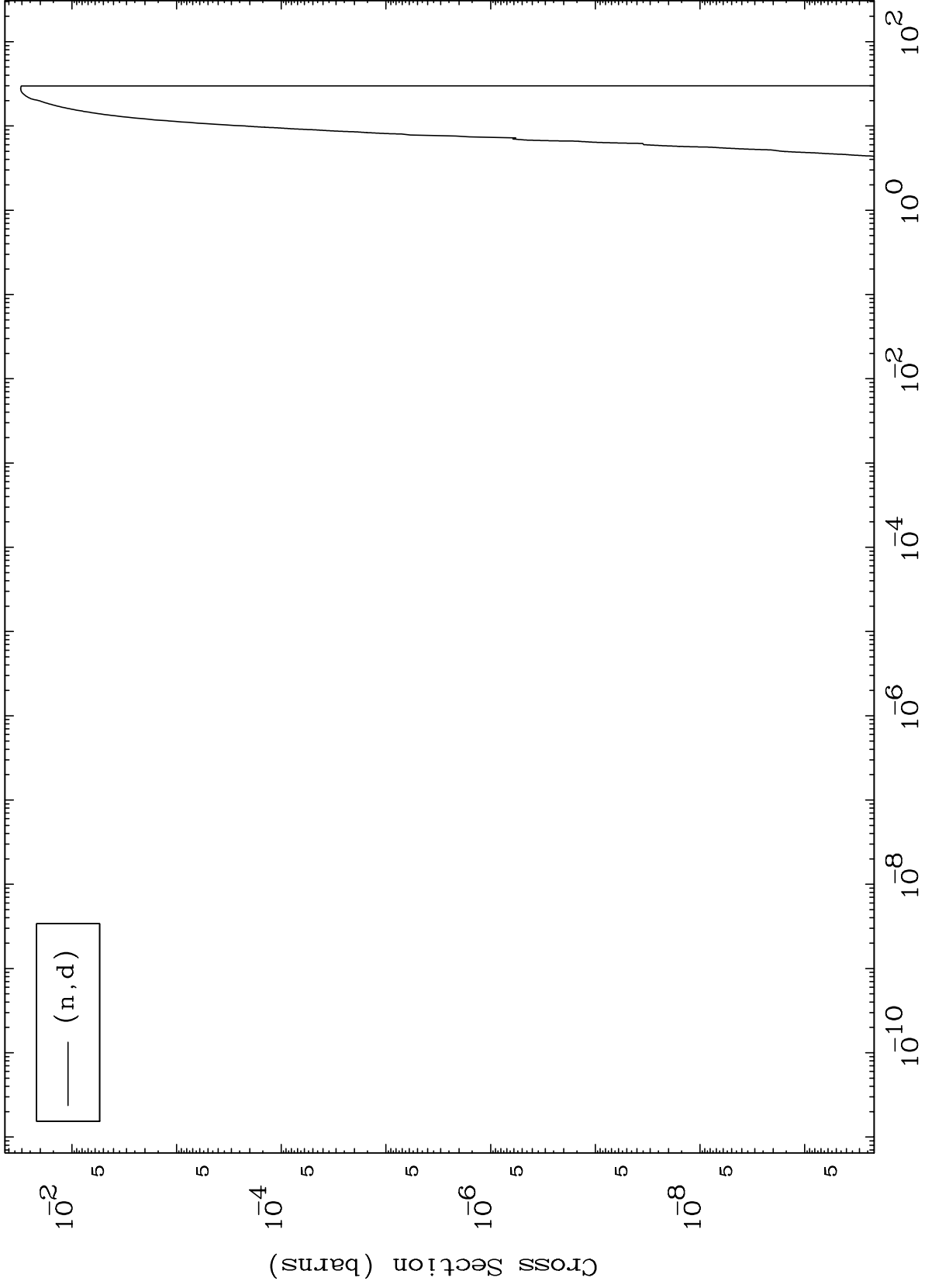
83-Bi-198



MAT 8292

(n,d) Levels
293 Kelvin Cross Sections

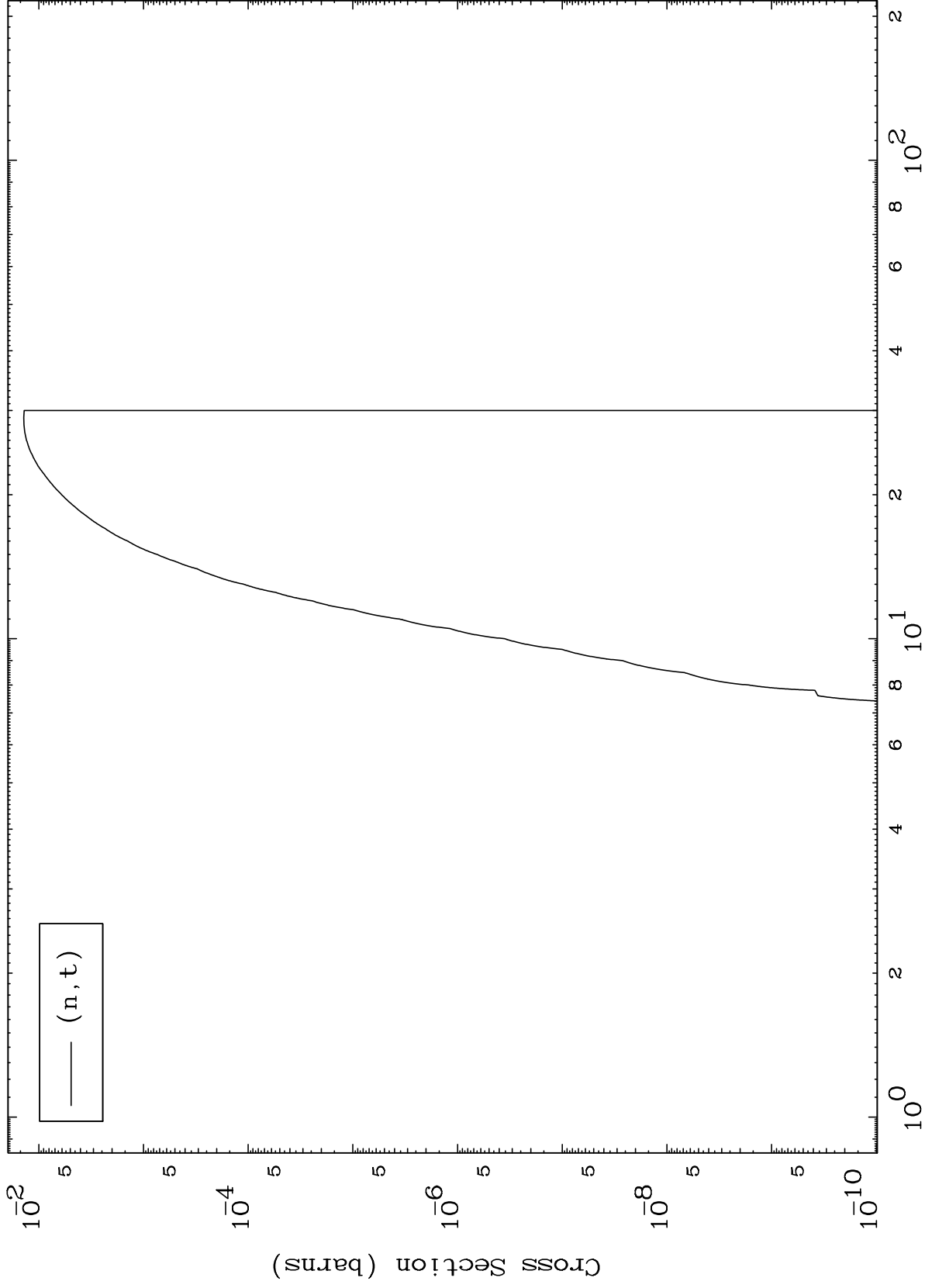
83-Bi-198



MAT 8292

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-198



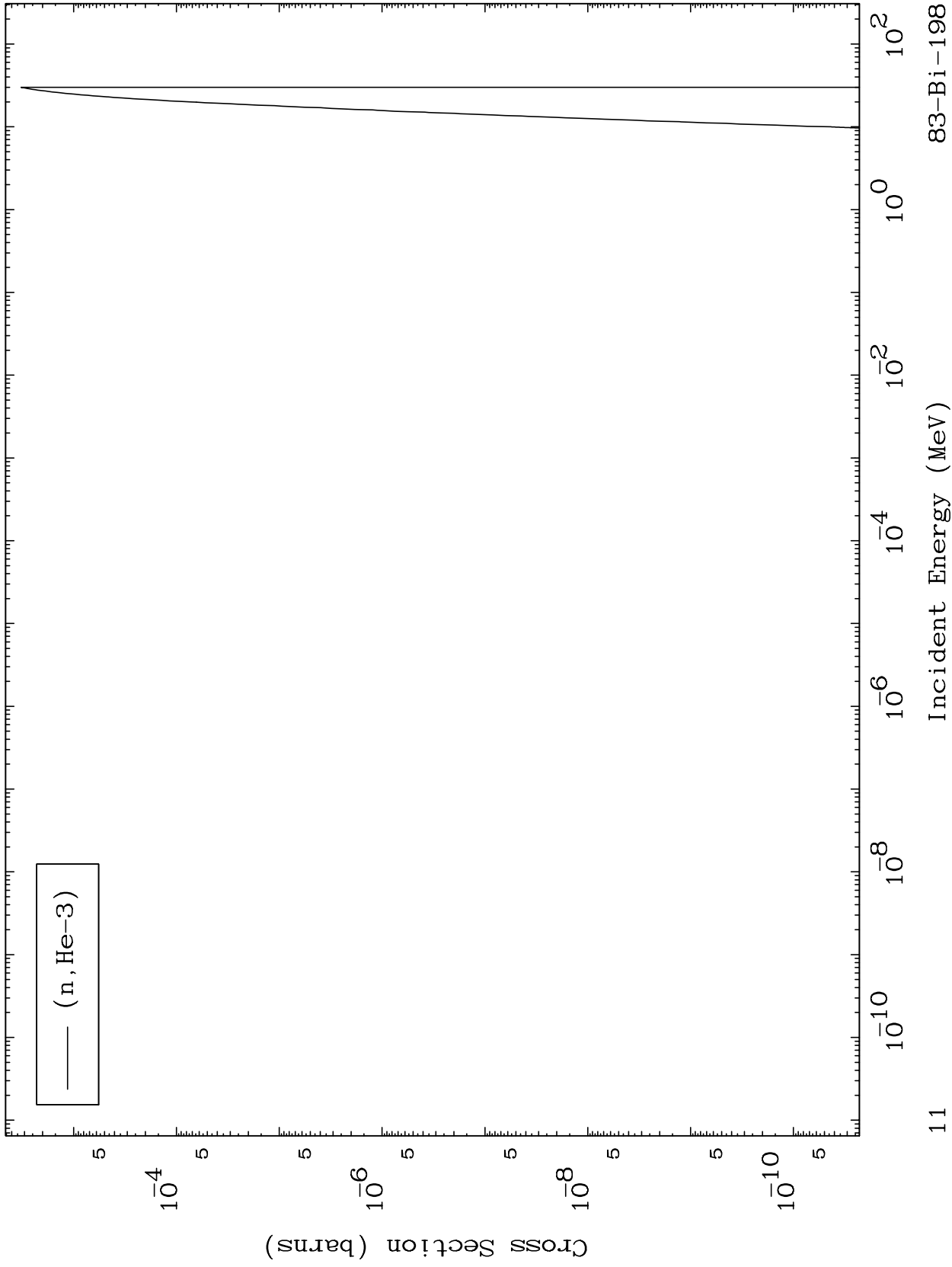
Incident Energy (MeV)

83-Bi-198

MAT 8292

(n,He3) Levels
293 Kelvin Cross Sections

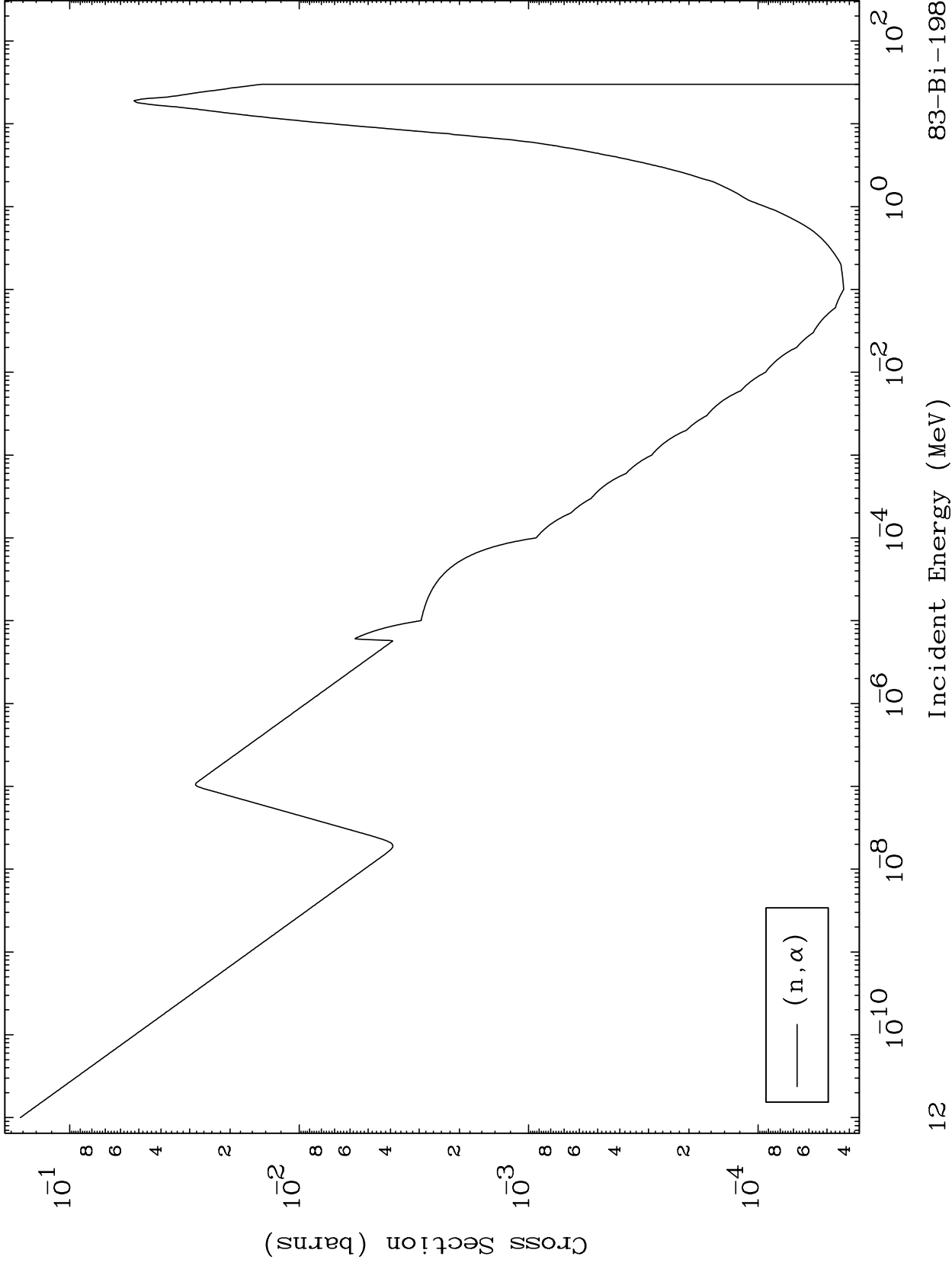
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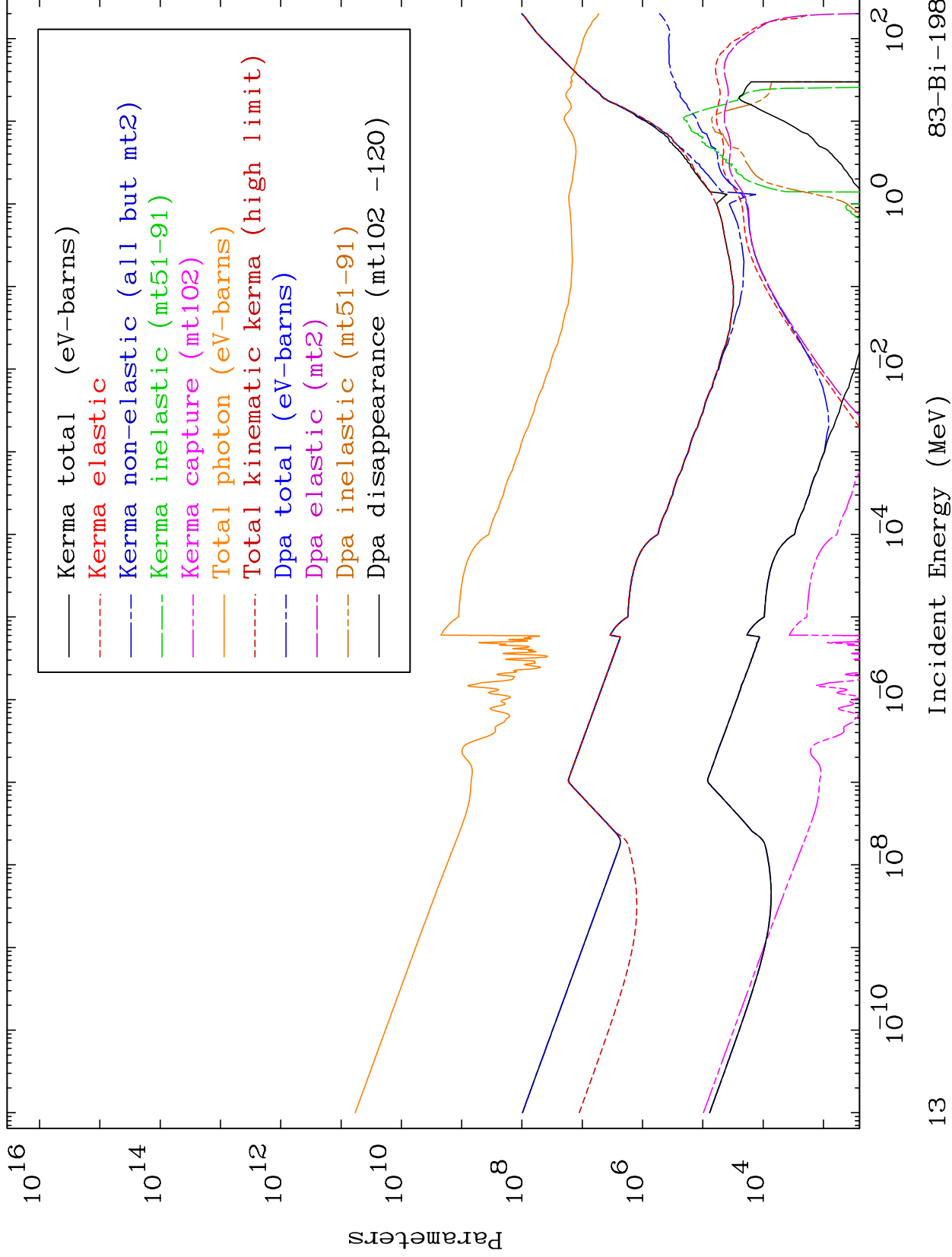


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(n, α) Levels
293 Kelvin Cross Sections

83-Bi-198

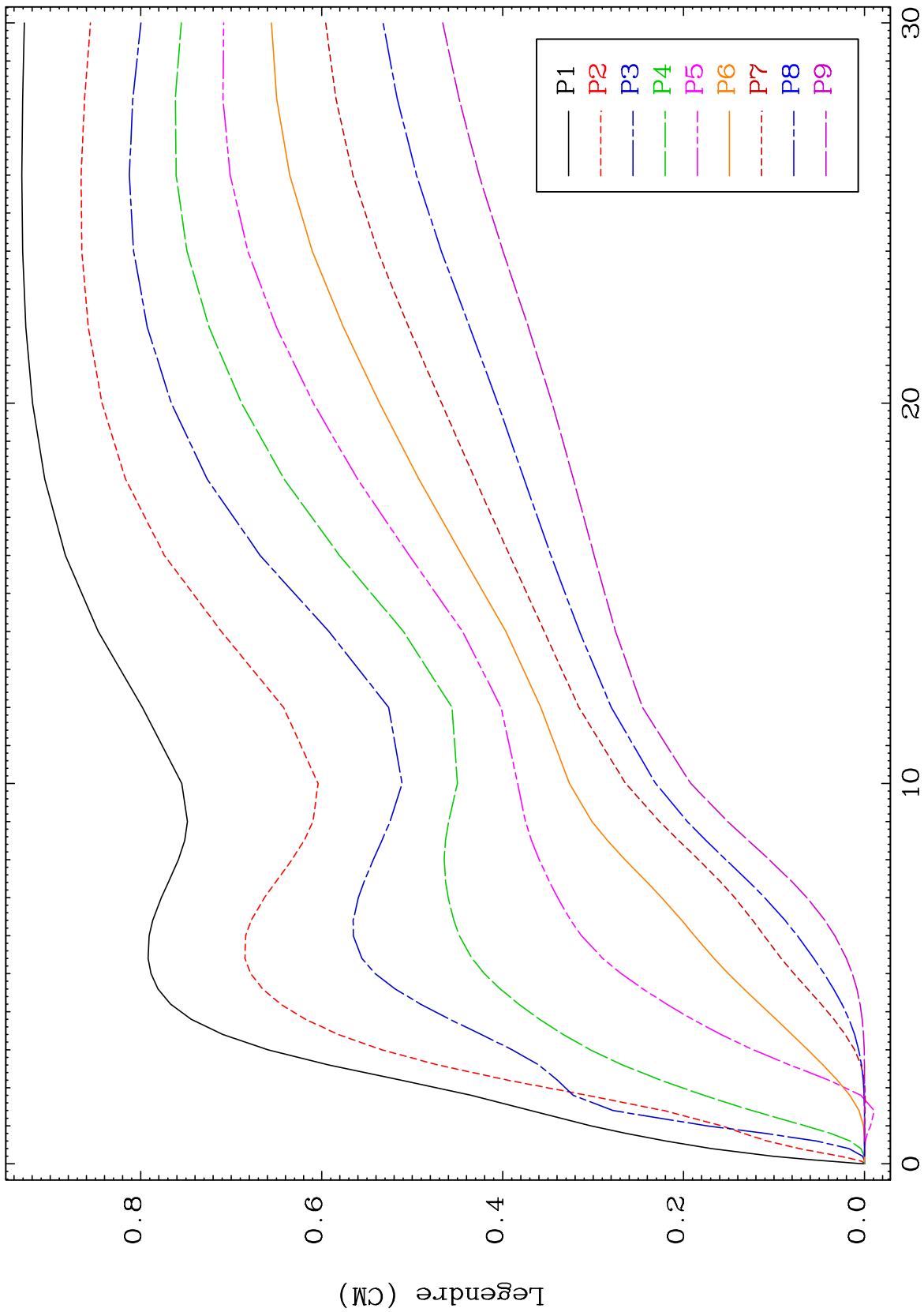




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83-Bi-198

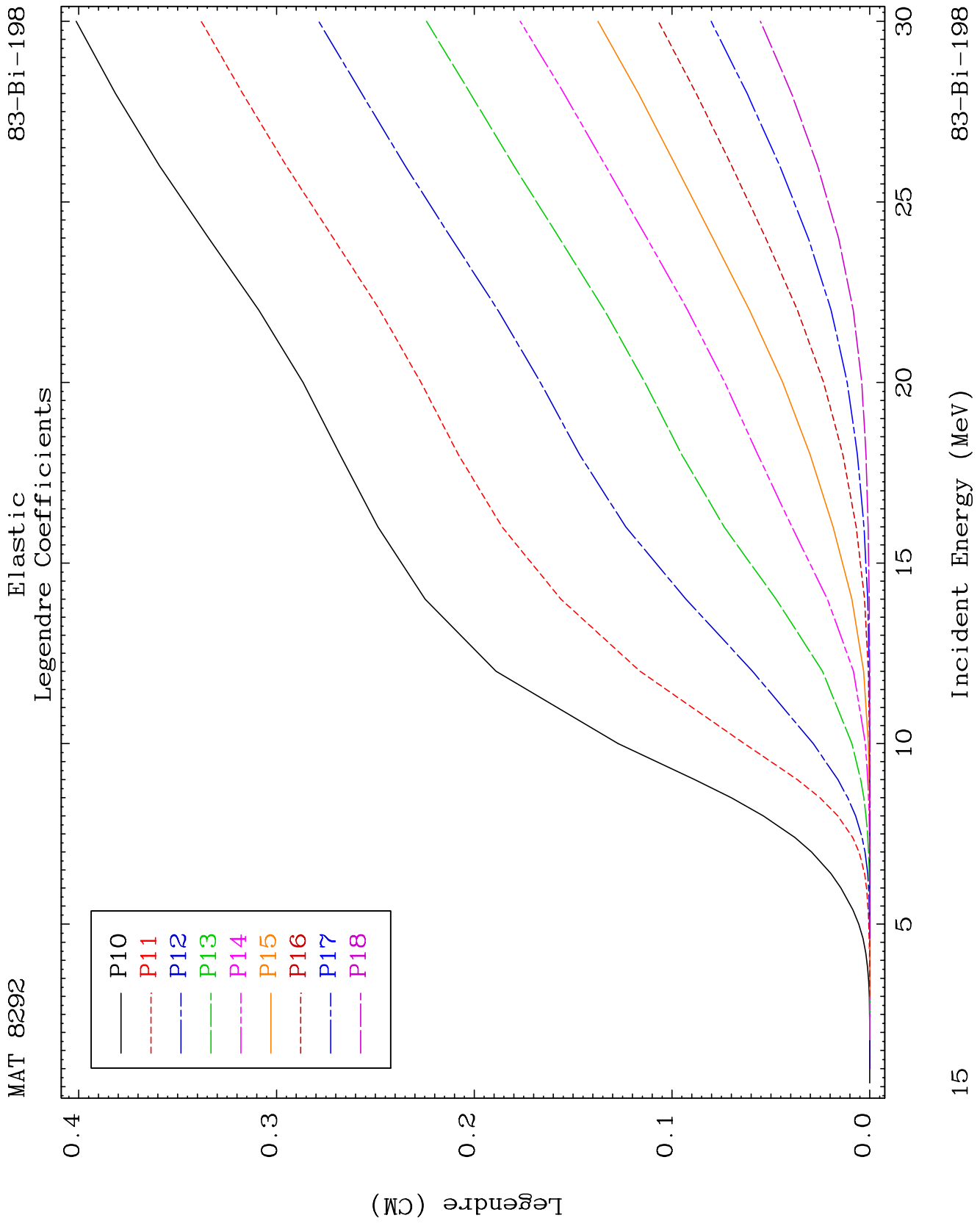
Elastic Legendre Coefficients



83-Bi-198

Incident Energy (MeV)

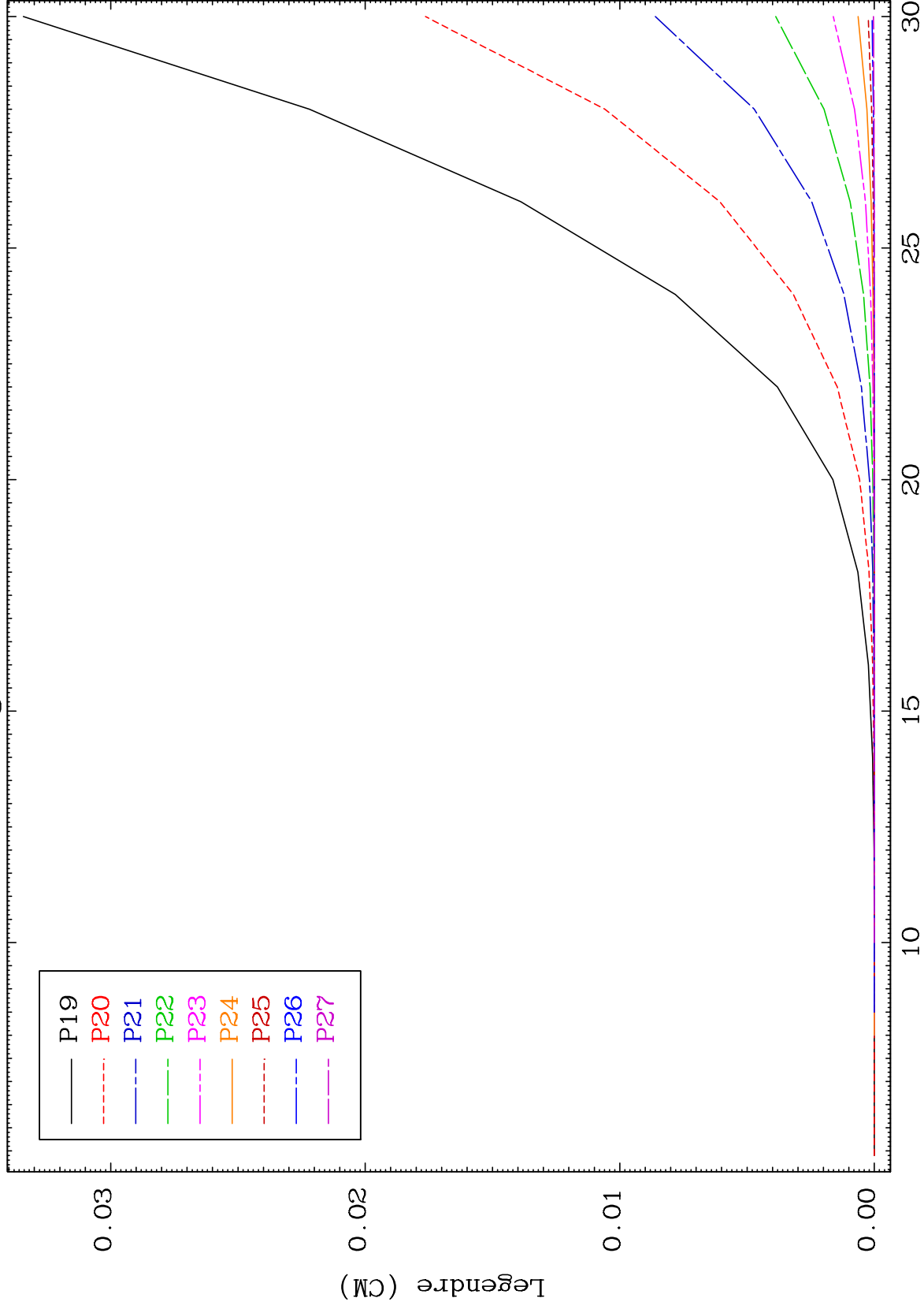
14



MAT 8292

Elastic Legendre Coefficients

83-Bi-198



16

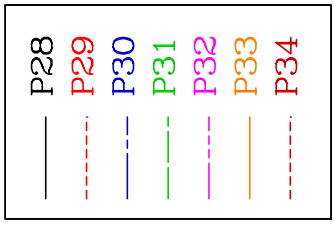
Incident Energy (MeV)

83-Bi-198

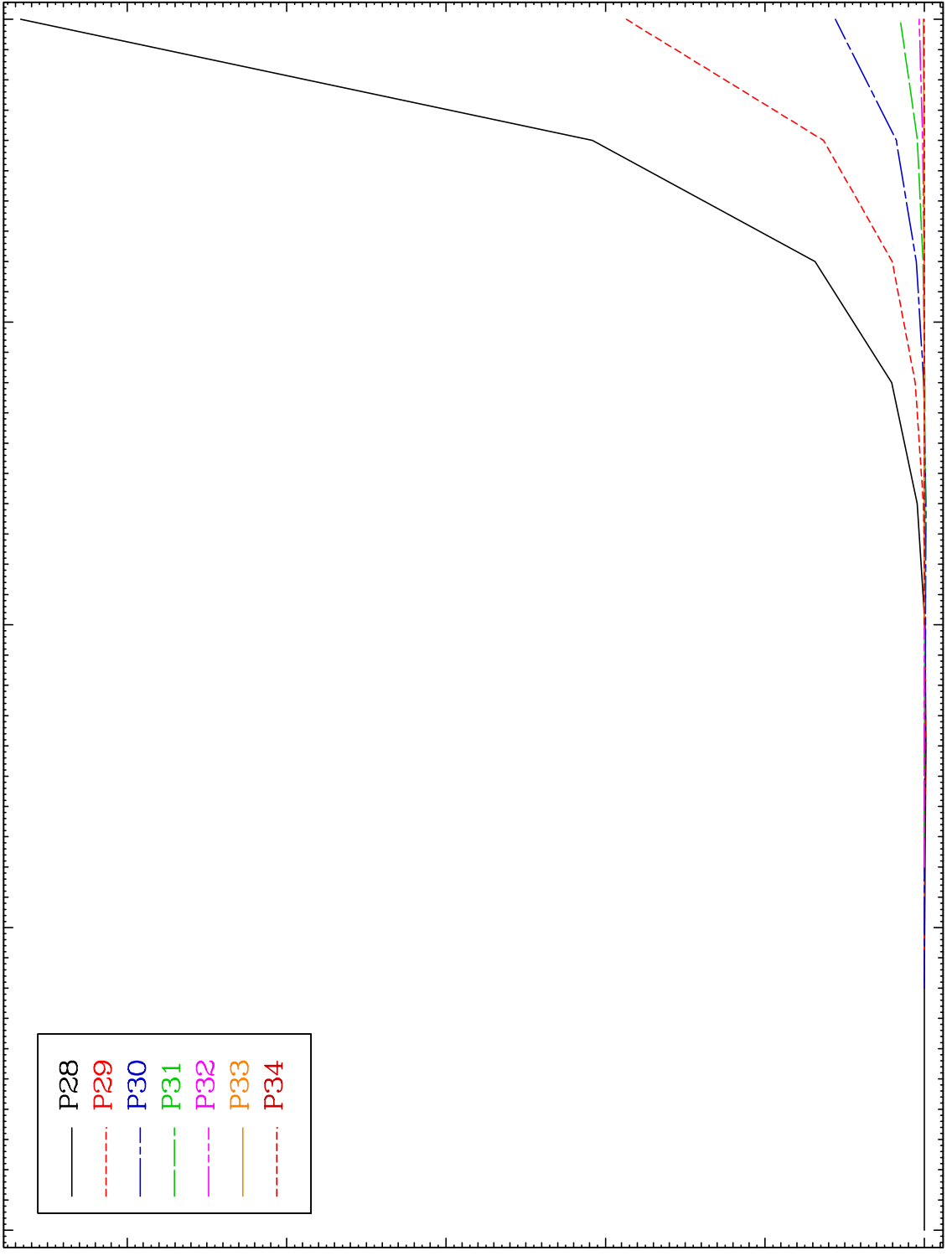
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Elastic Legendre Coefficients

83-Bi-198



$\times 10^{-5}$
1.0
0.8
0.6
0.4
0.2
0.0



10 15 20 25 30

Incident Energy (MeV)

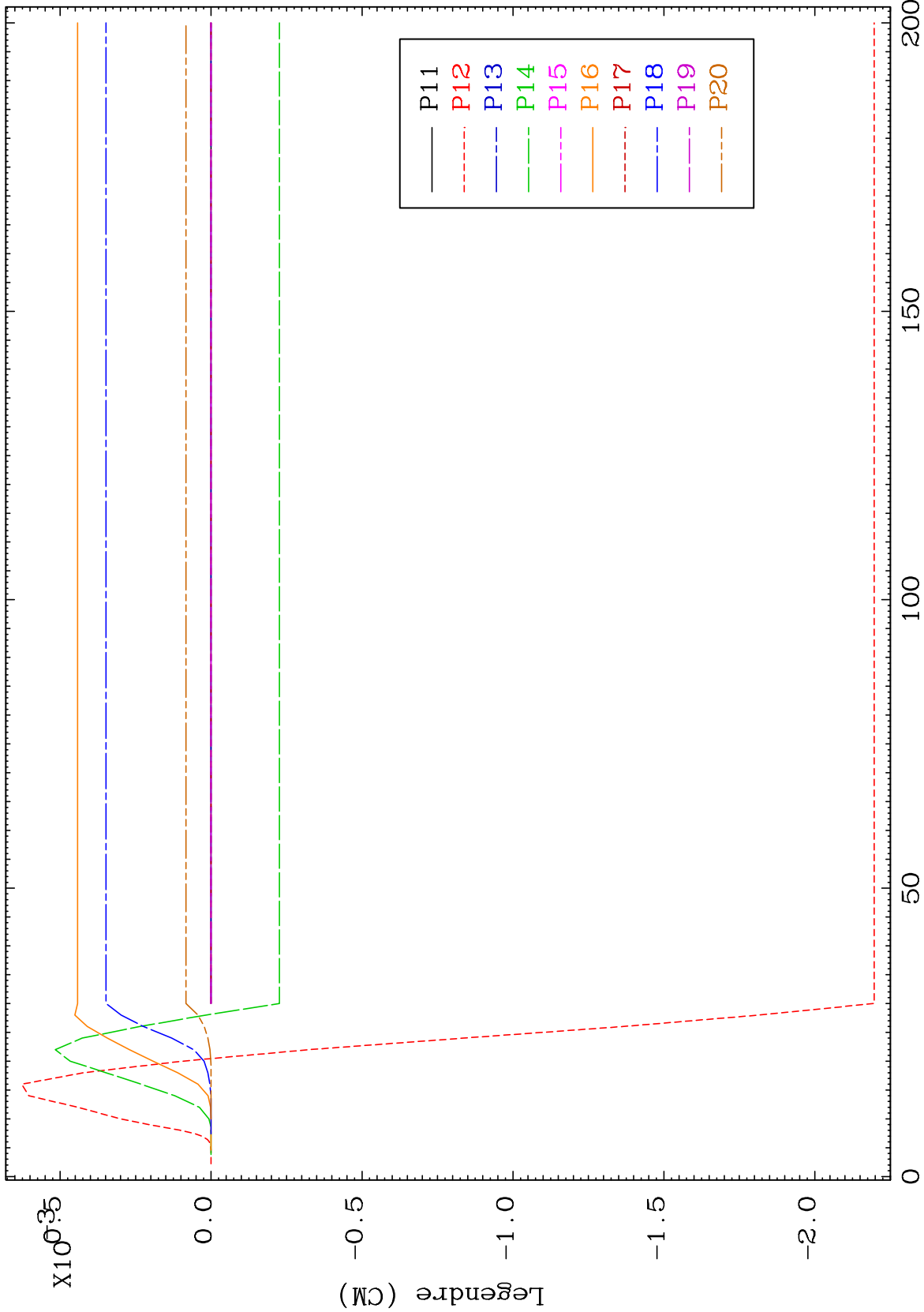
83-Bi-198

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MAT 8292

MT= 51 (n,n') Level
Legendre Coefficients

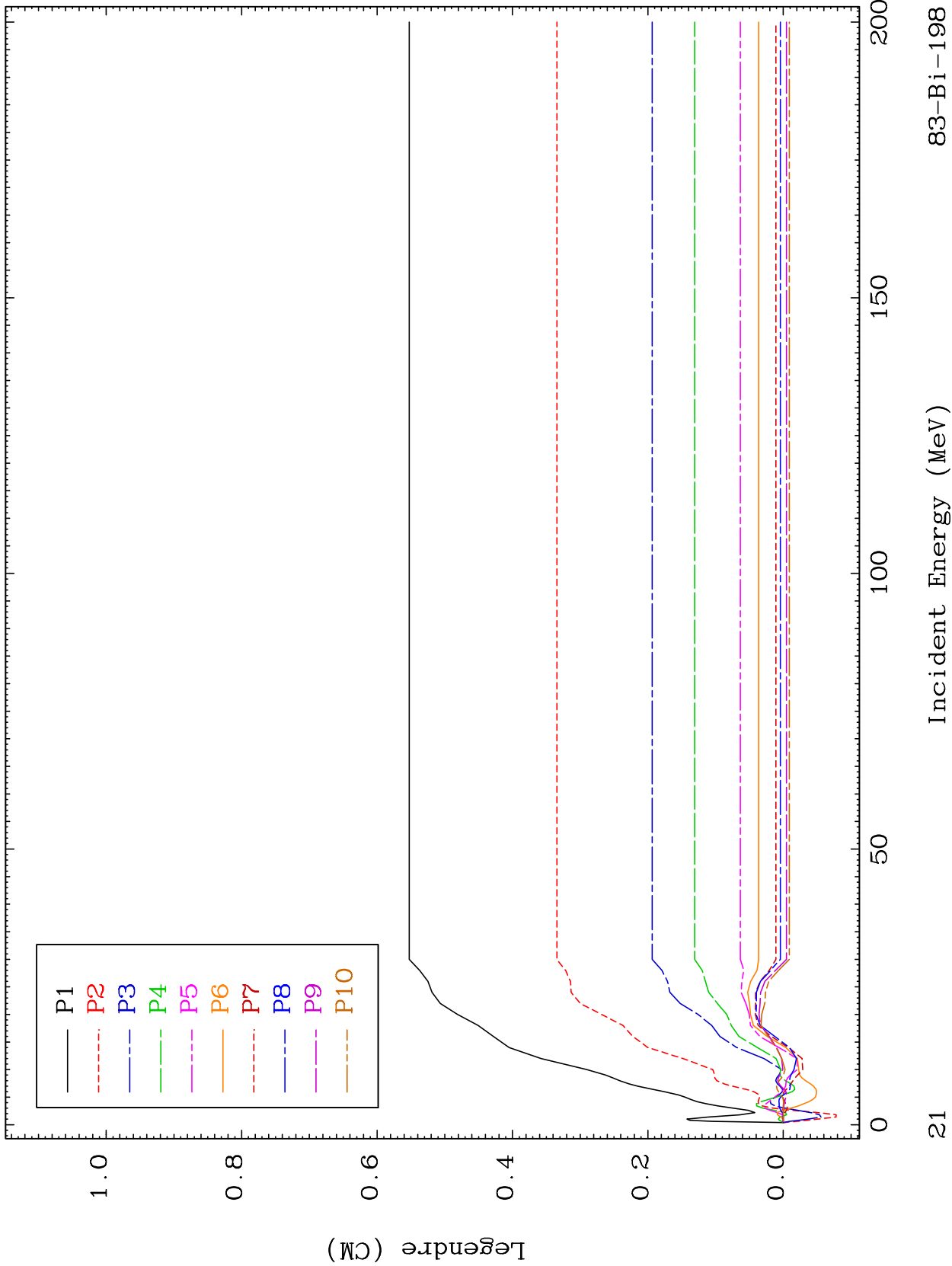
83-Bi-198



19

Incident Energy (MeV)

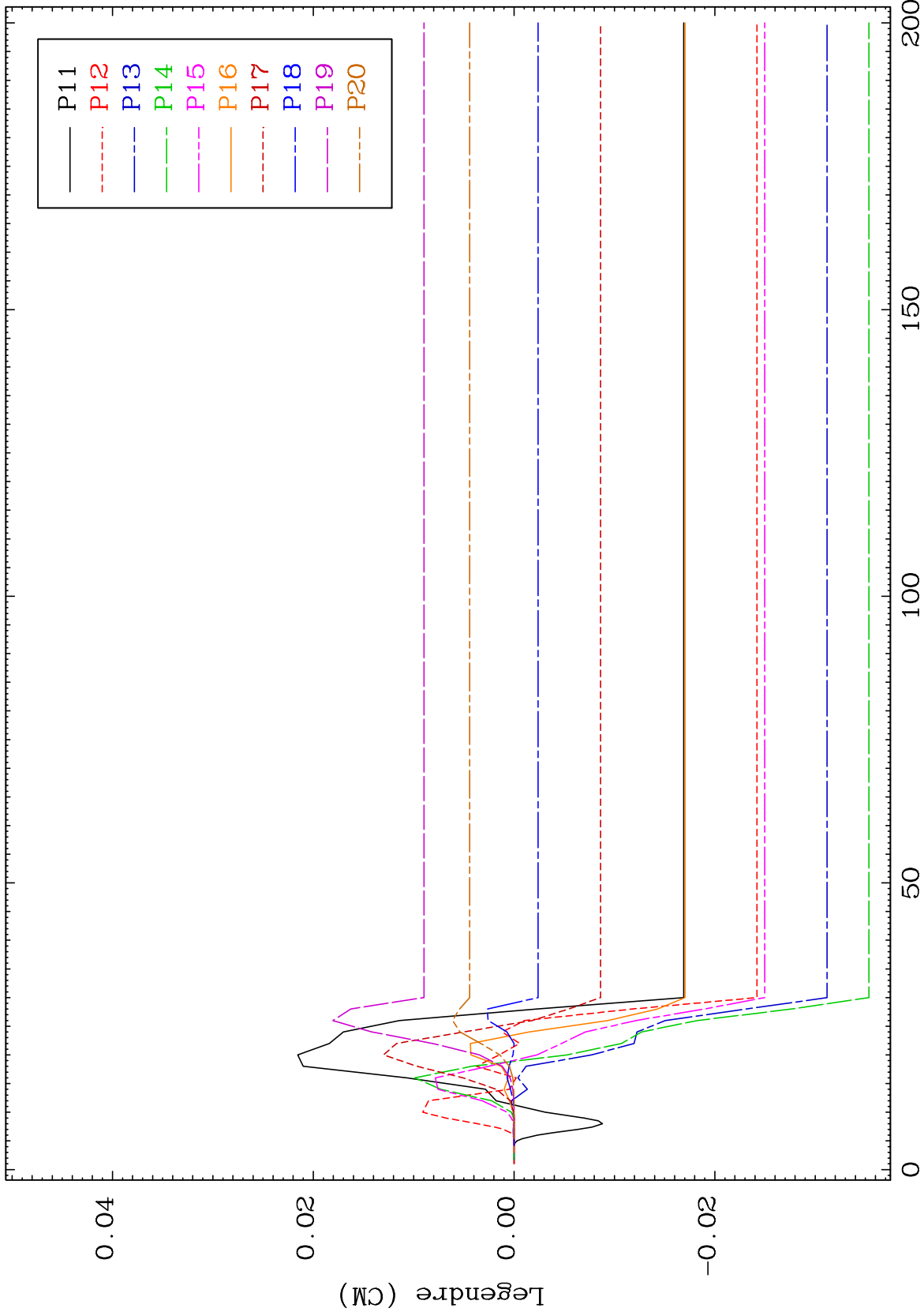
83-Bi-198



MAT 8292

MT= 52 (n,n') Level
Legendre Coefficients

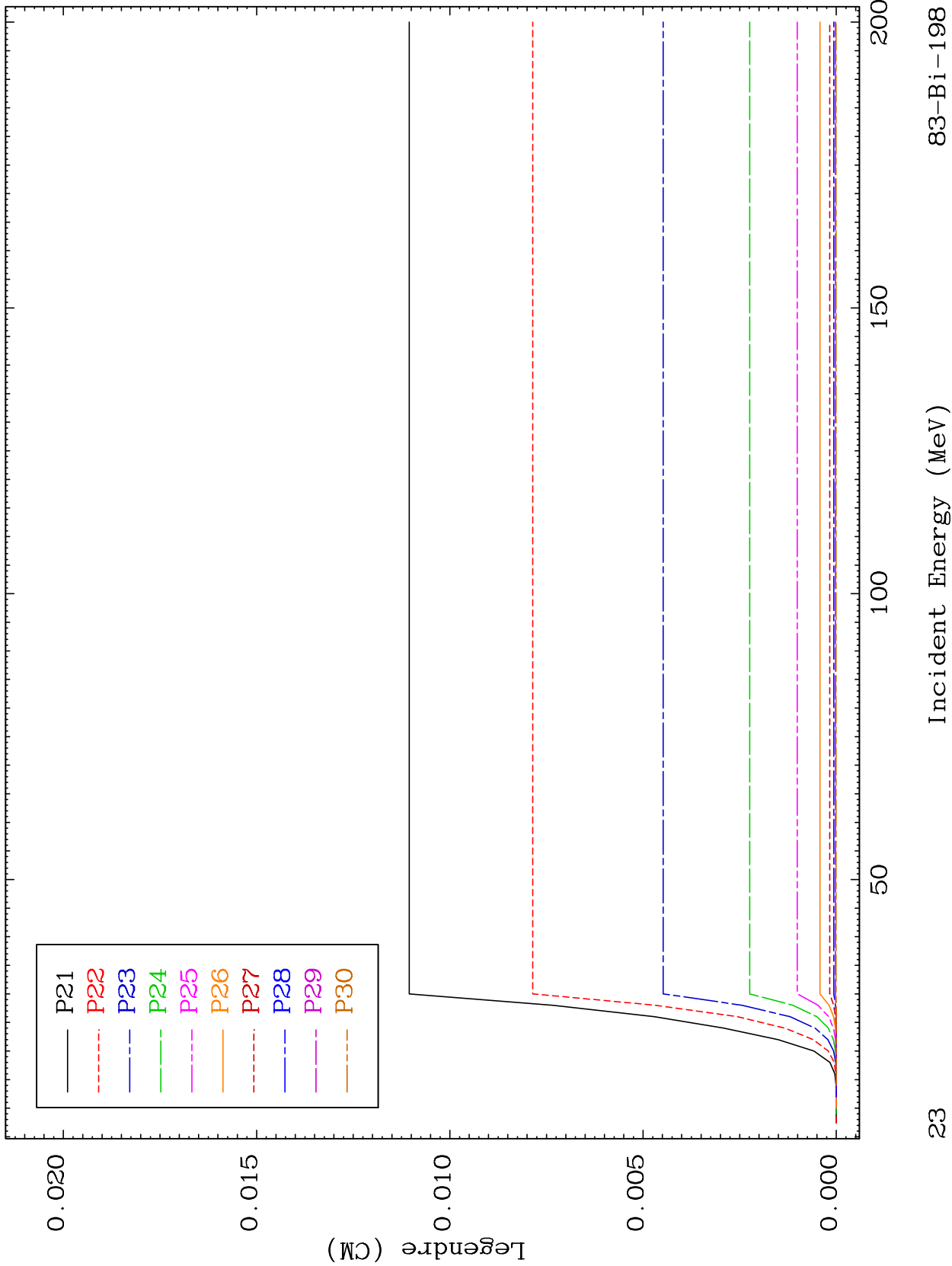
83-Bi-198



22

Incident Energy (MeV)

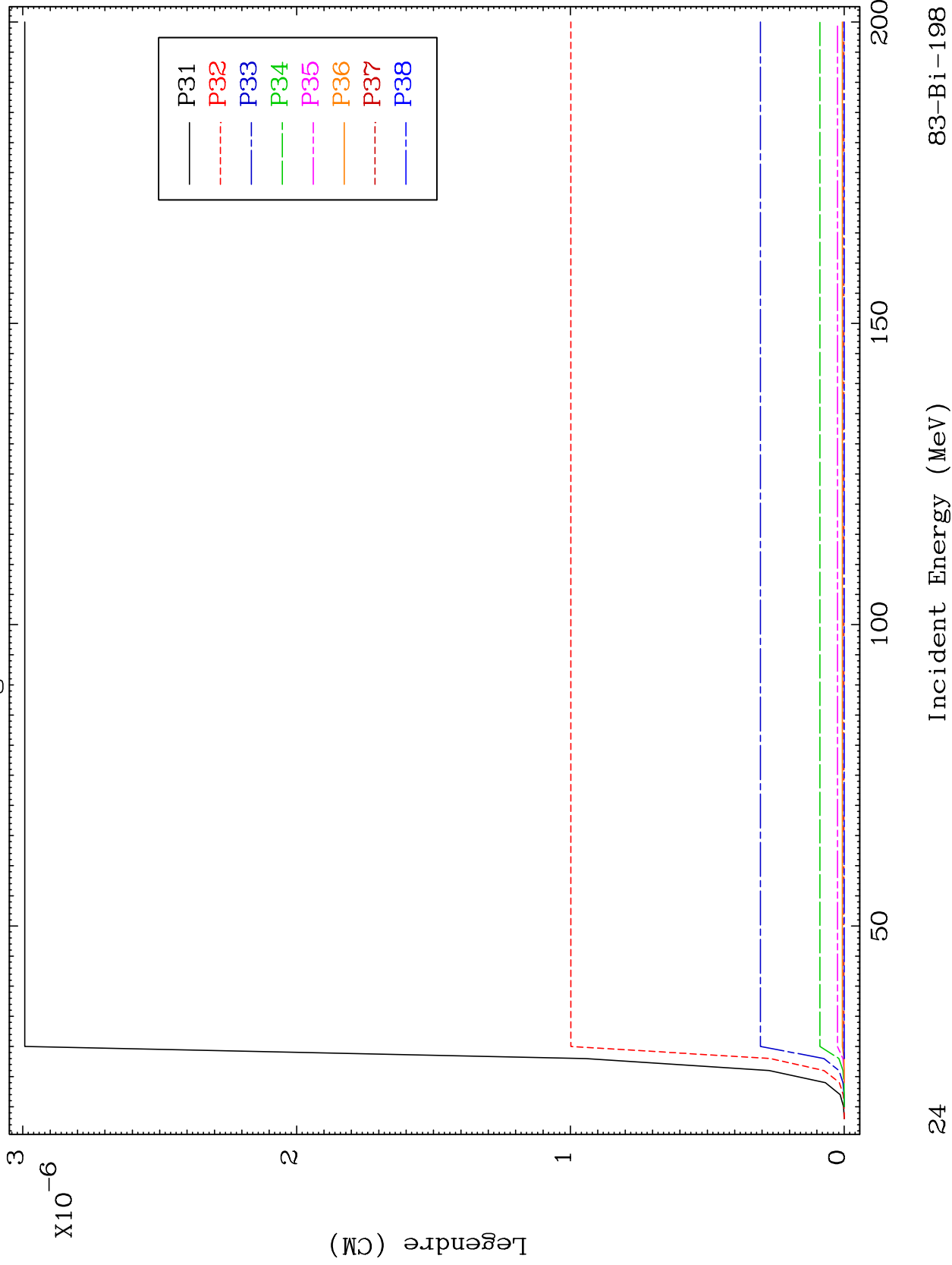
83-Bi-198



MAT 8292

MT= 52 (n,n') Level
Legendre Coefficients

83-Bi-198



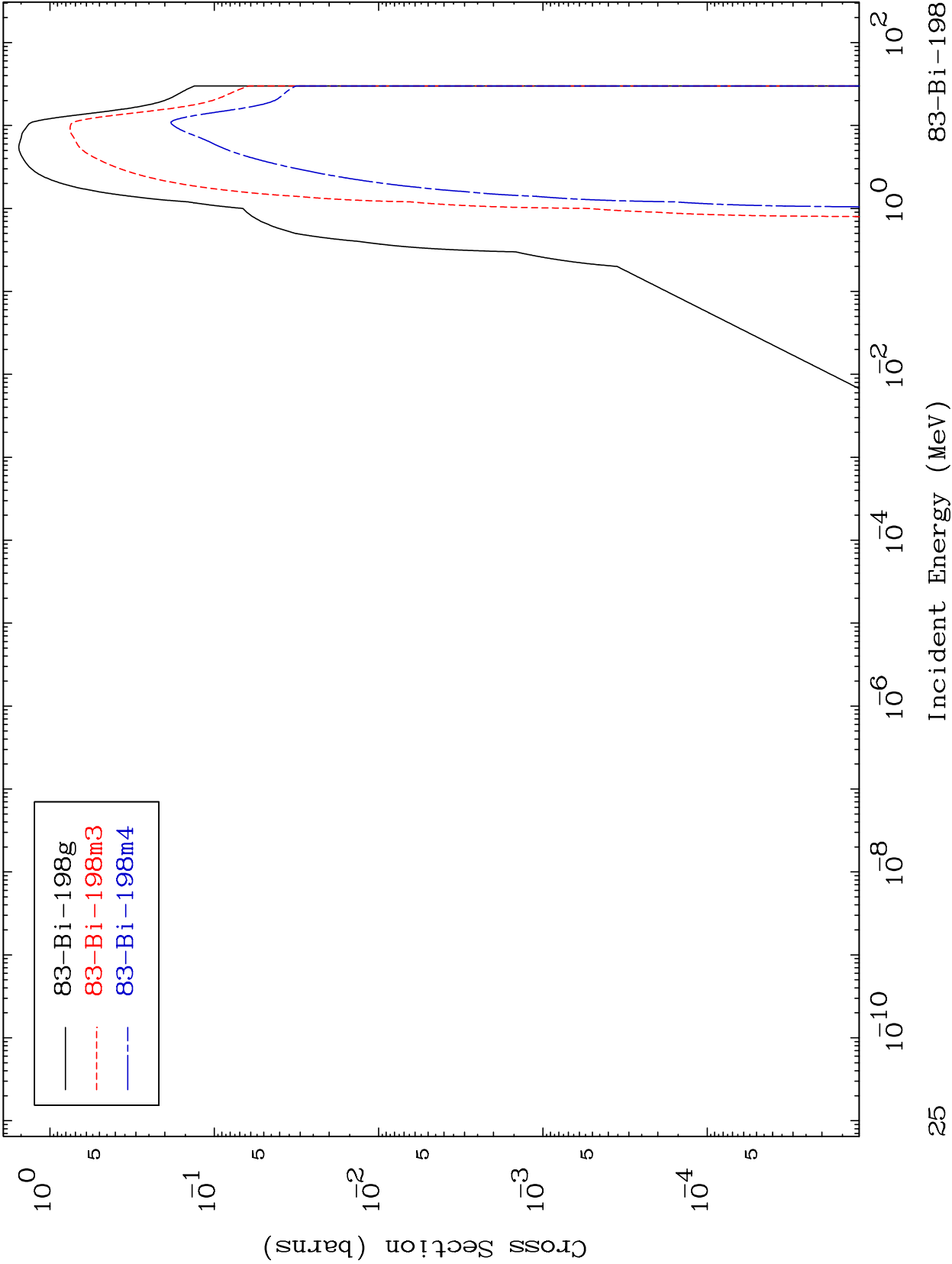
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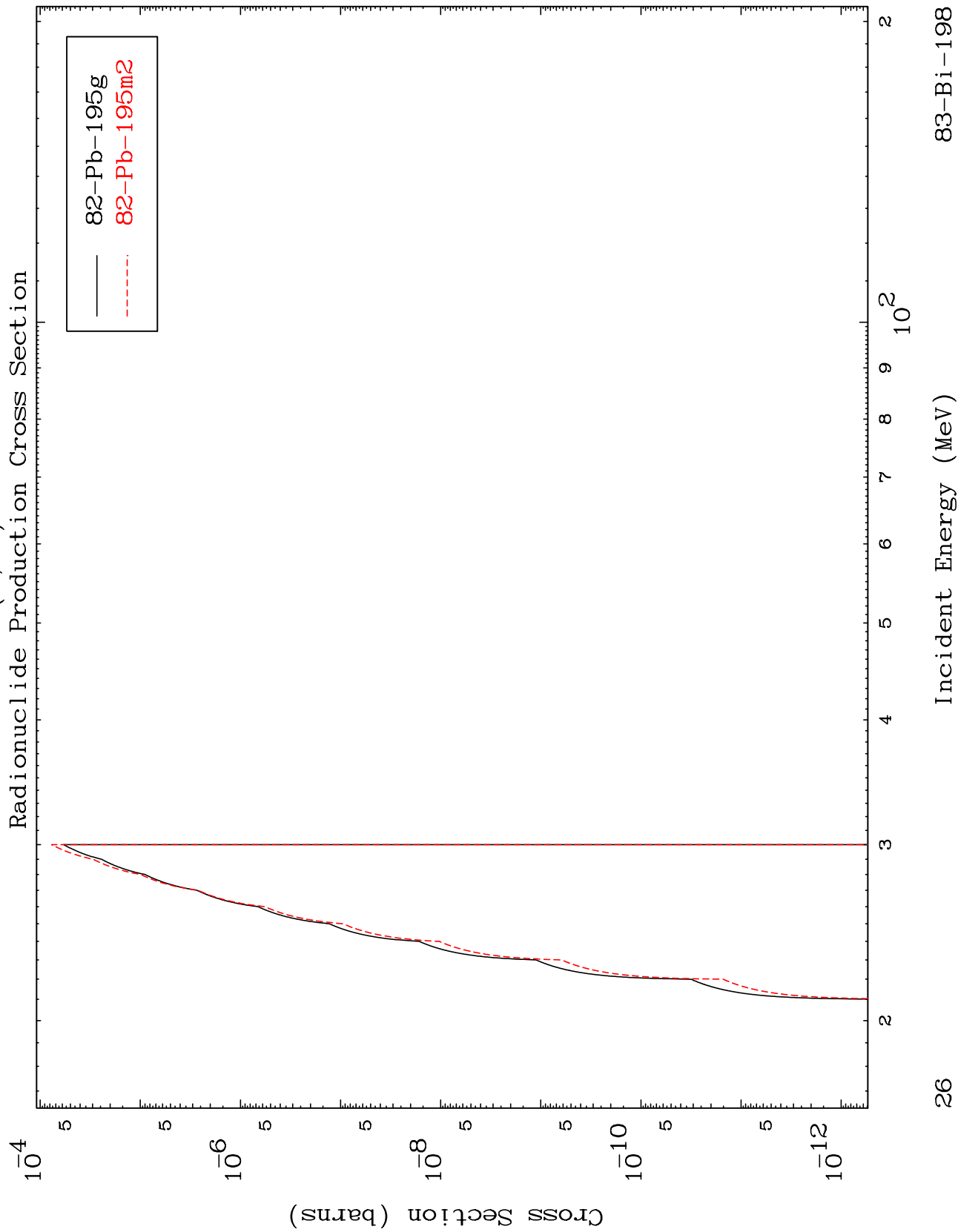
83-Bi-198

MAT 8292

Inelastic
Radionuclide Production Cross Section

83-Bi-198

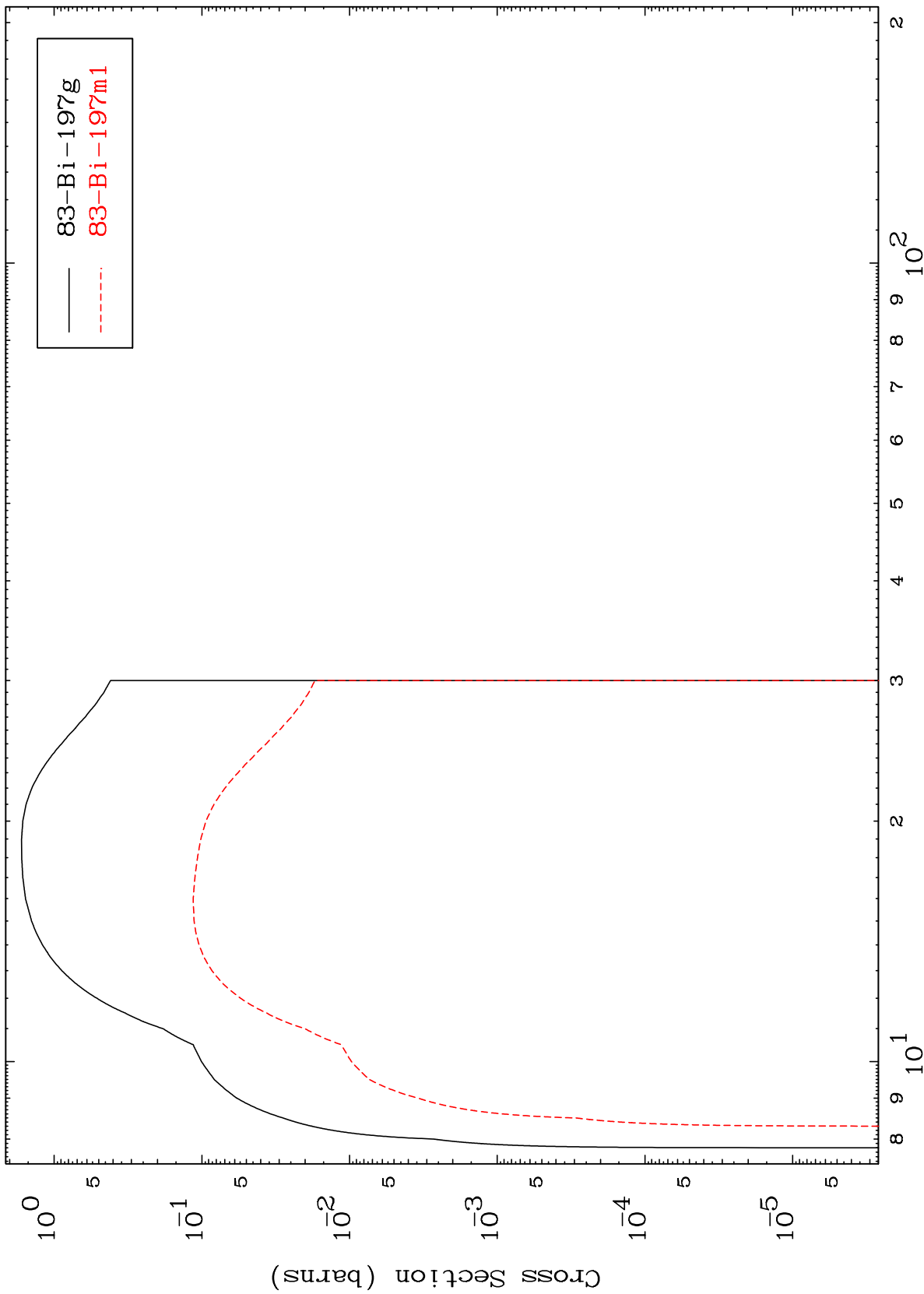




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83-Bi-198

(n,2n)
Radionuclide Production Cross Section



27

Incident Energy (MeV)

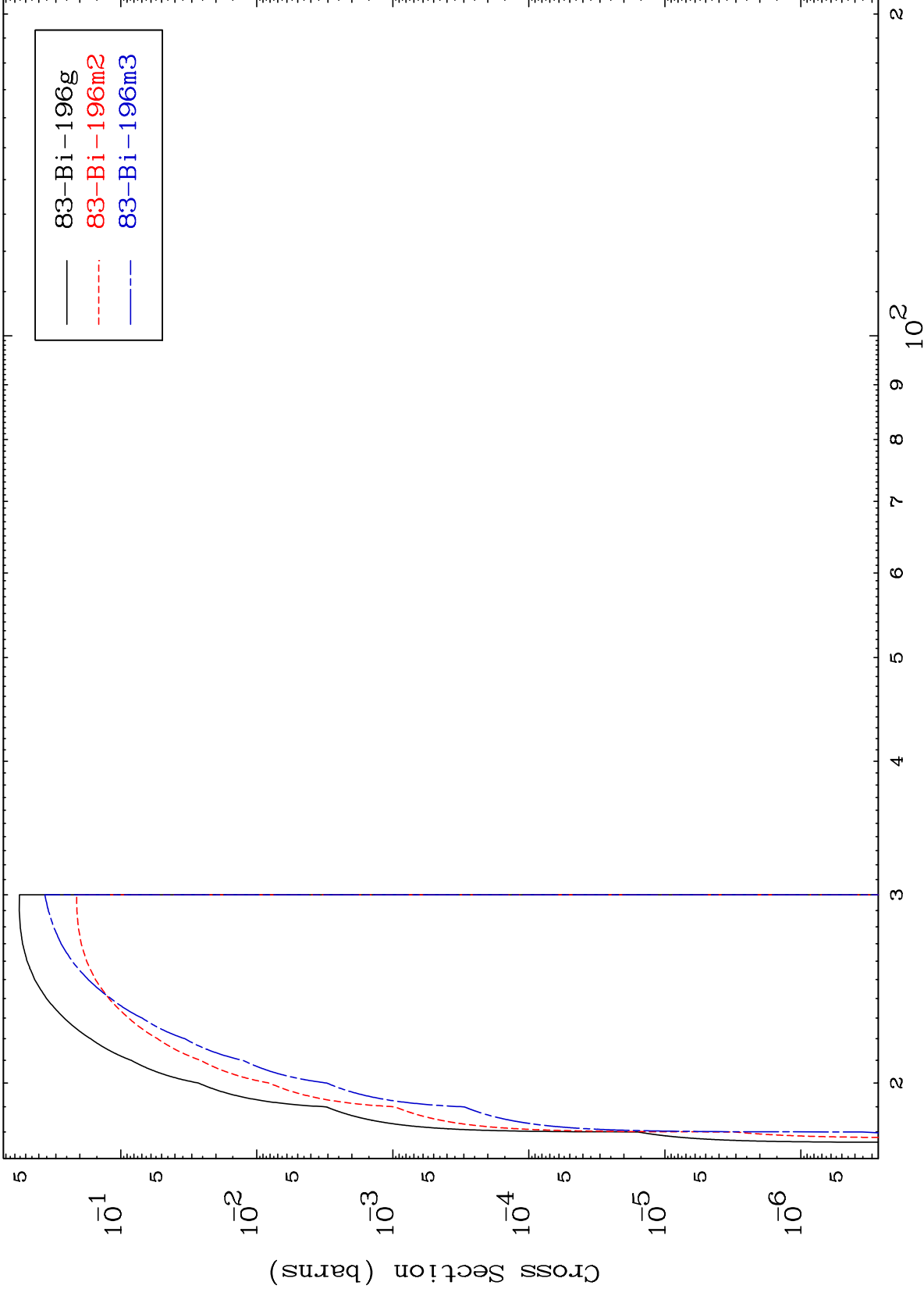
83-Bi-198

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(n,3n)

83-Bi-198

Radionuclide Production Cross Section



28

Incident Energy (MeV)

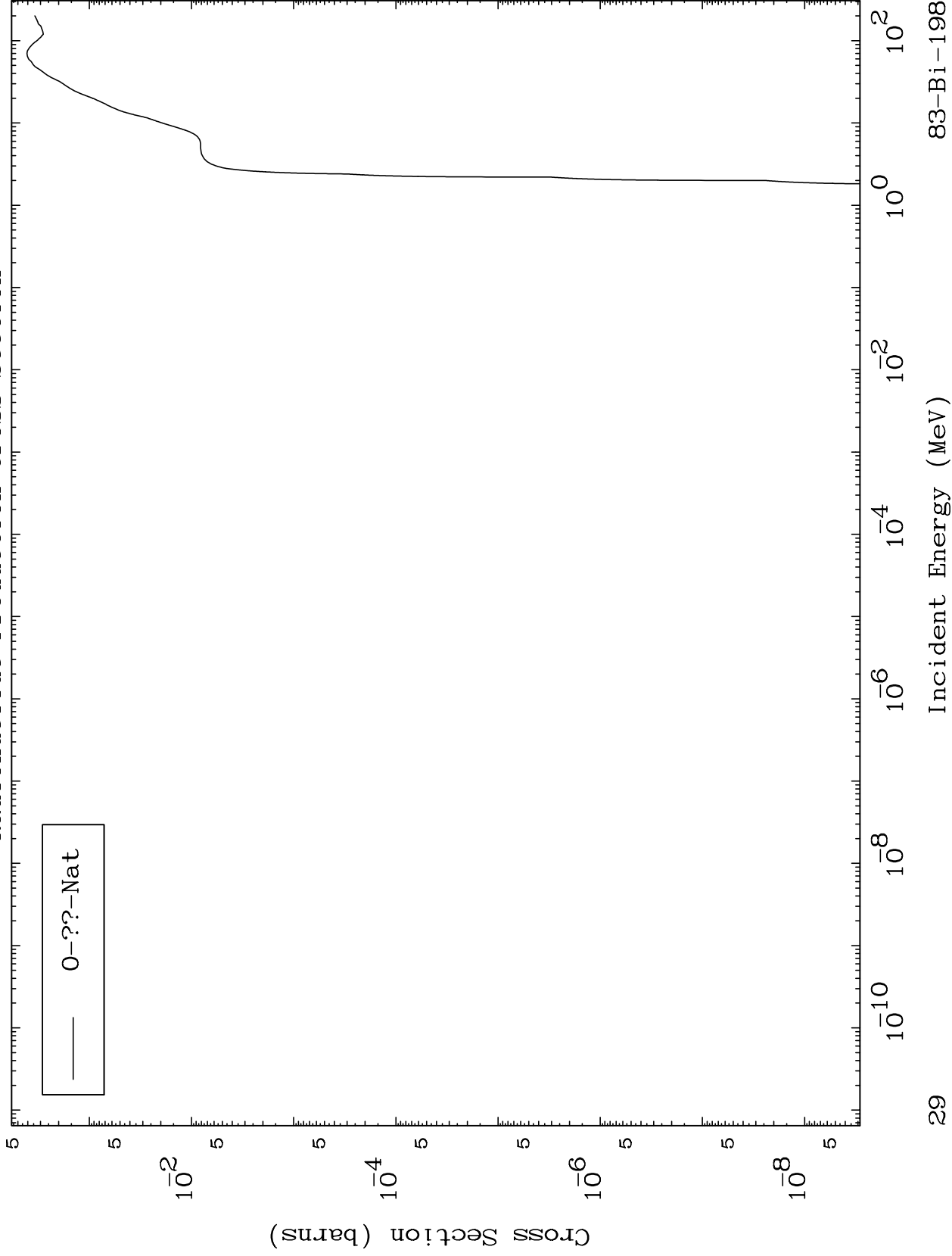
83-Bi-198

MAT 8292

Fission

83-Bi-198

Radionuclide Production Cross Section



29

Incident Energy (MeV)

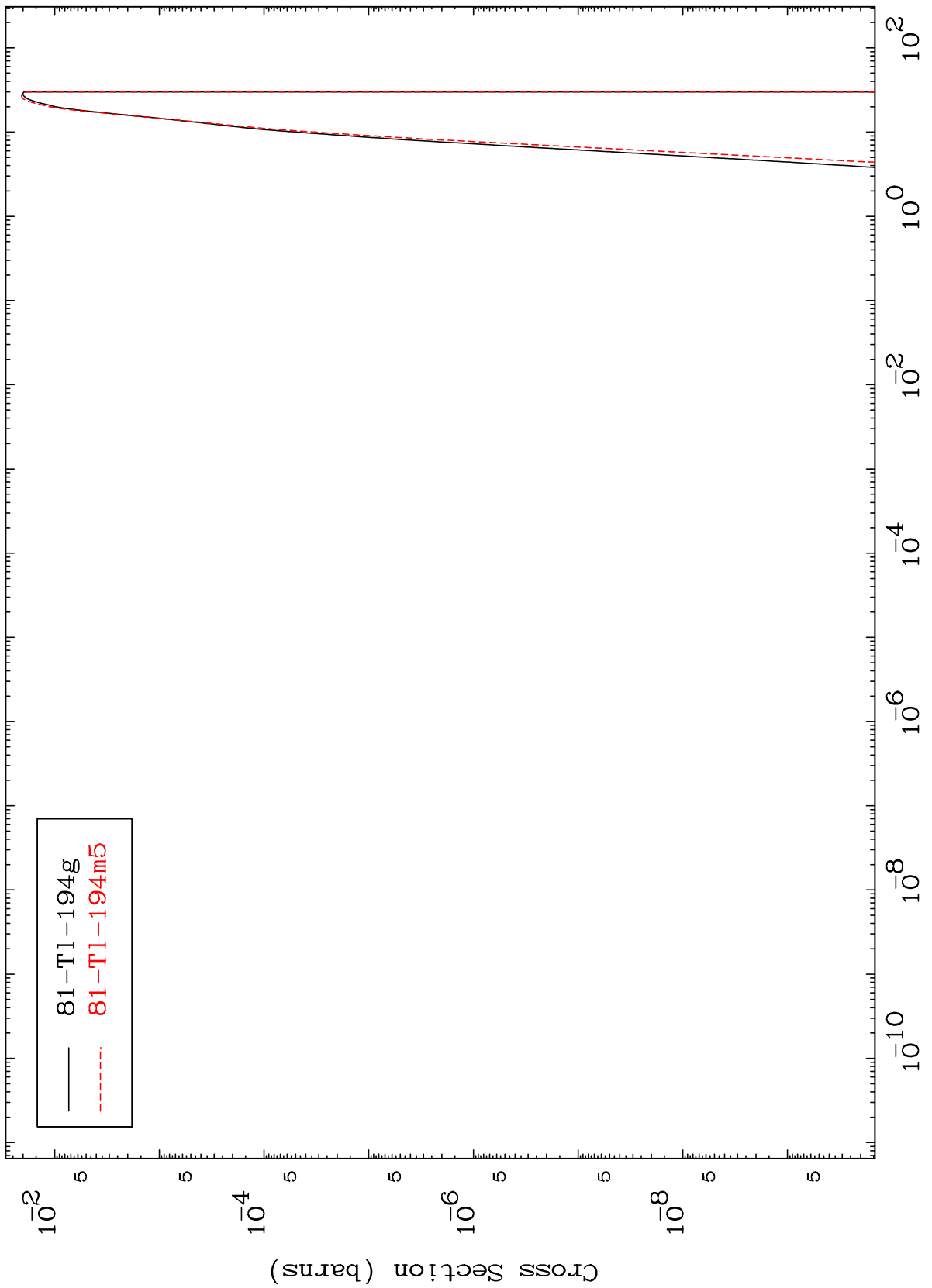
83-Bi-198

MAT 8292

$(n, n') \alpha$

83-Bi-198

Radionuclide Production Cross Section



30

Incident Energy (MeV)

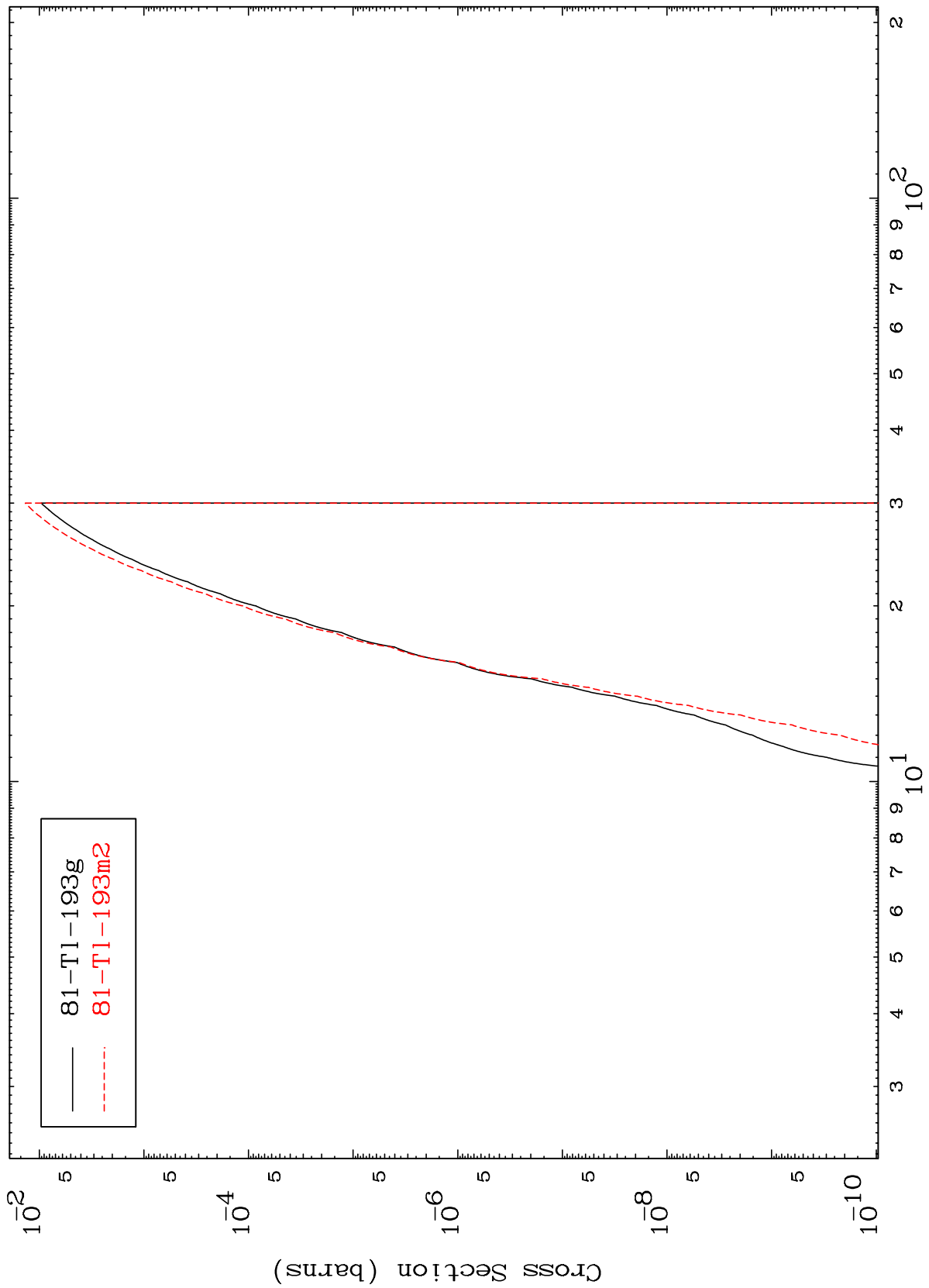
83-Bi-198

MAT 8292

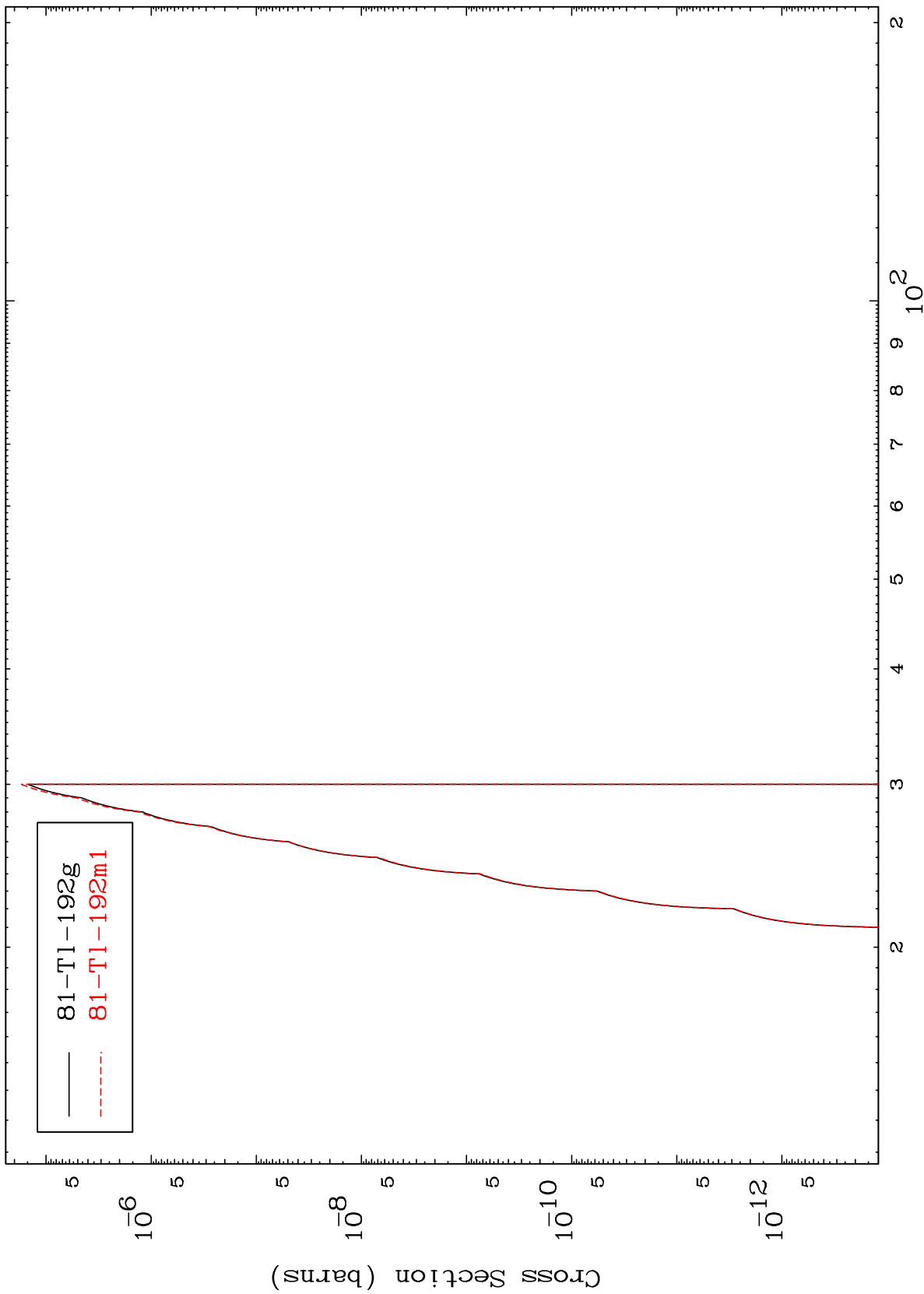
(n,2n) α

83-Bi-198

Radionuclide Production Cross Section



Radionuclide Production Cross Section

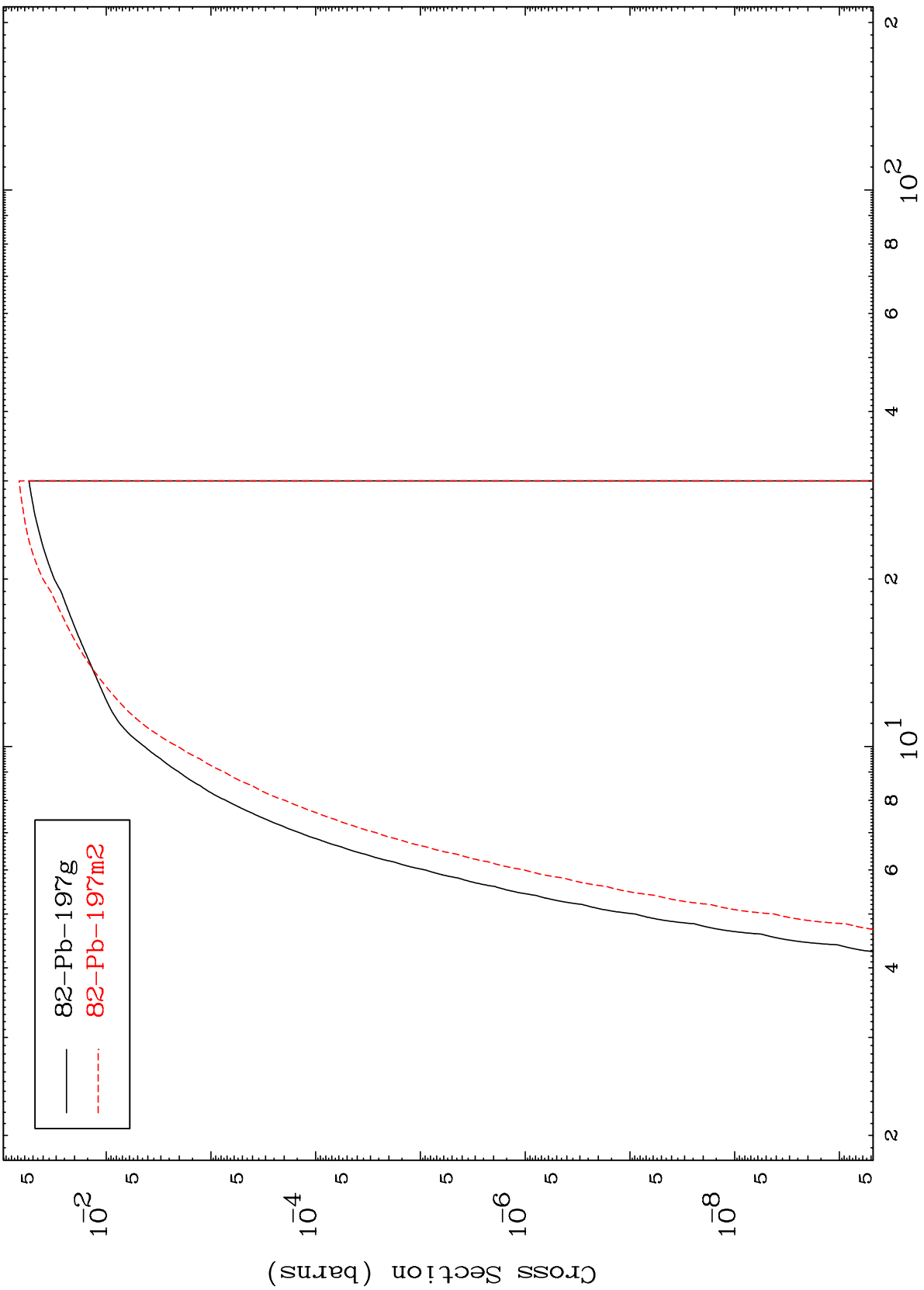


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(n,n') p

83-Bi-198

Radionuclide Production Cross Section



82-Pb-197g
82-Pb-197m2

33

Incident Energy (MeV)

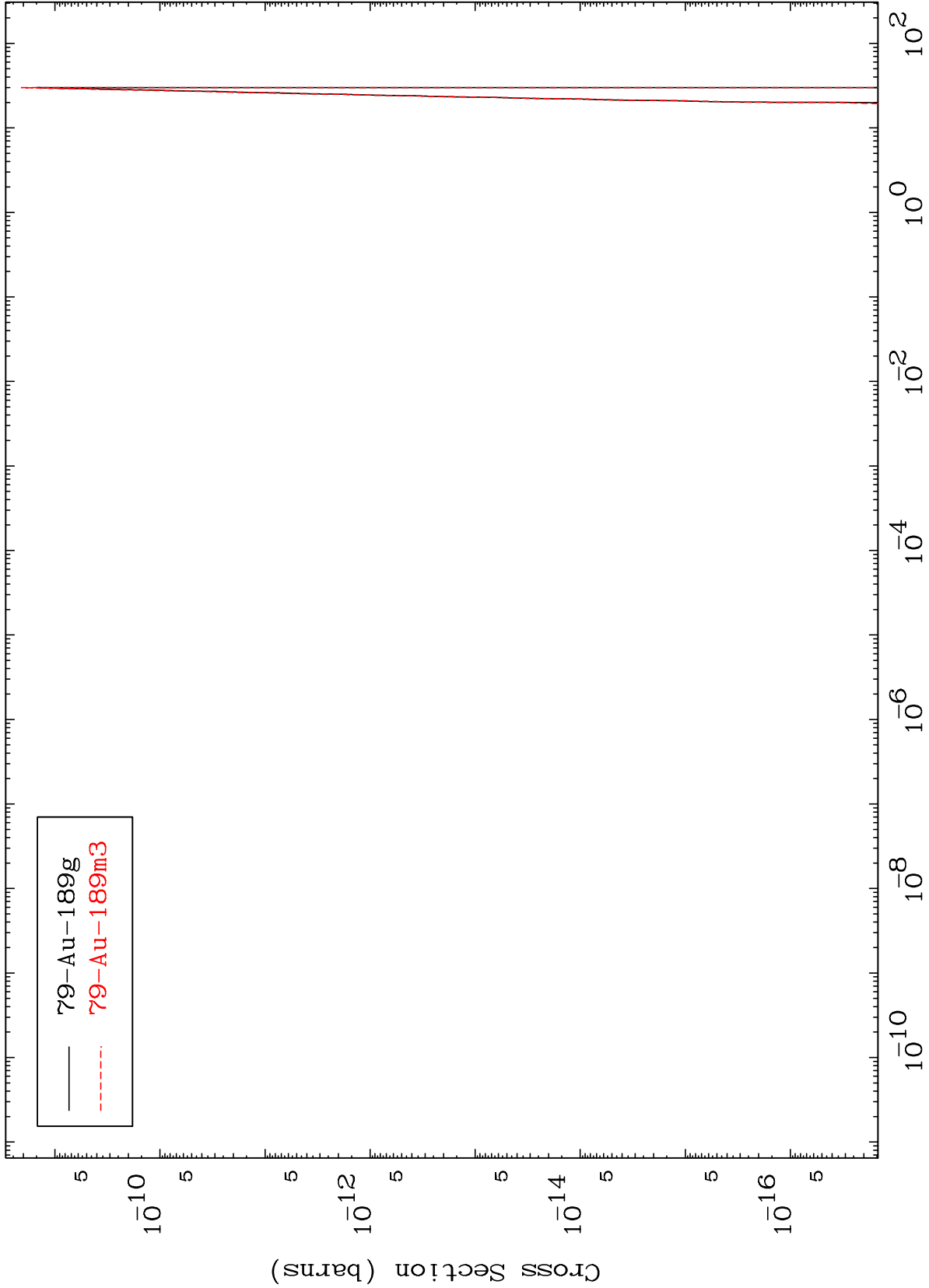
83-Bi-198

MAT 8292

(n,2n) 2 α

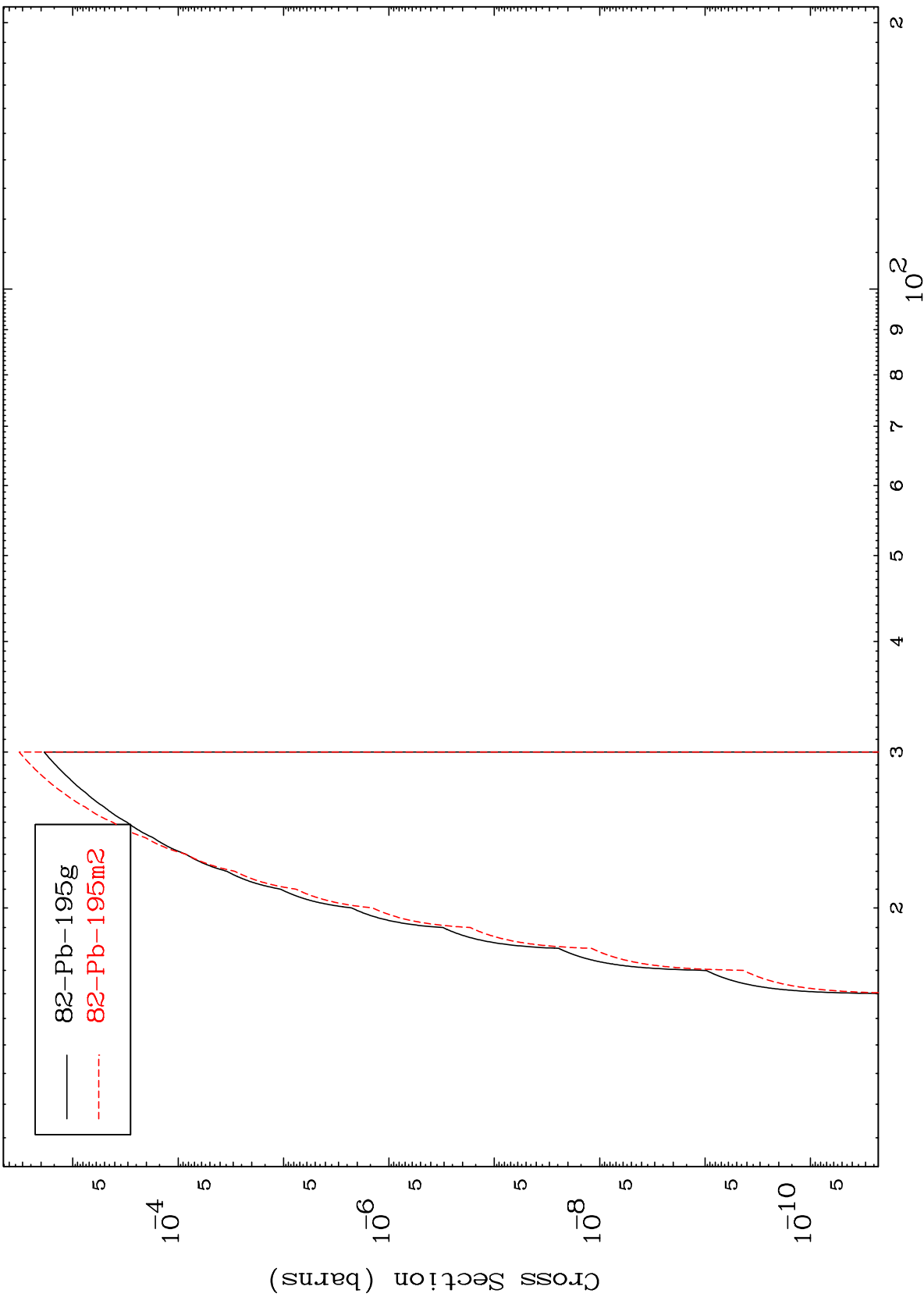
83-Bi-198

Radionuclide Production Cross Section

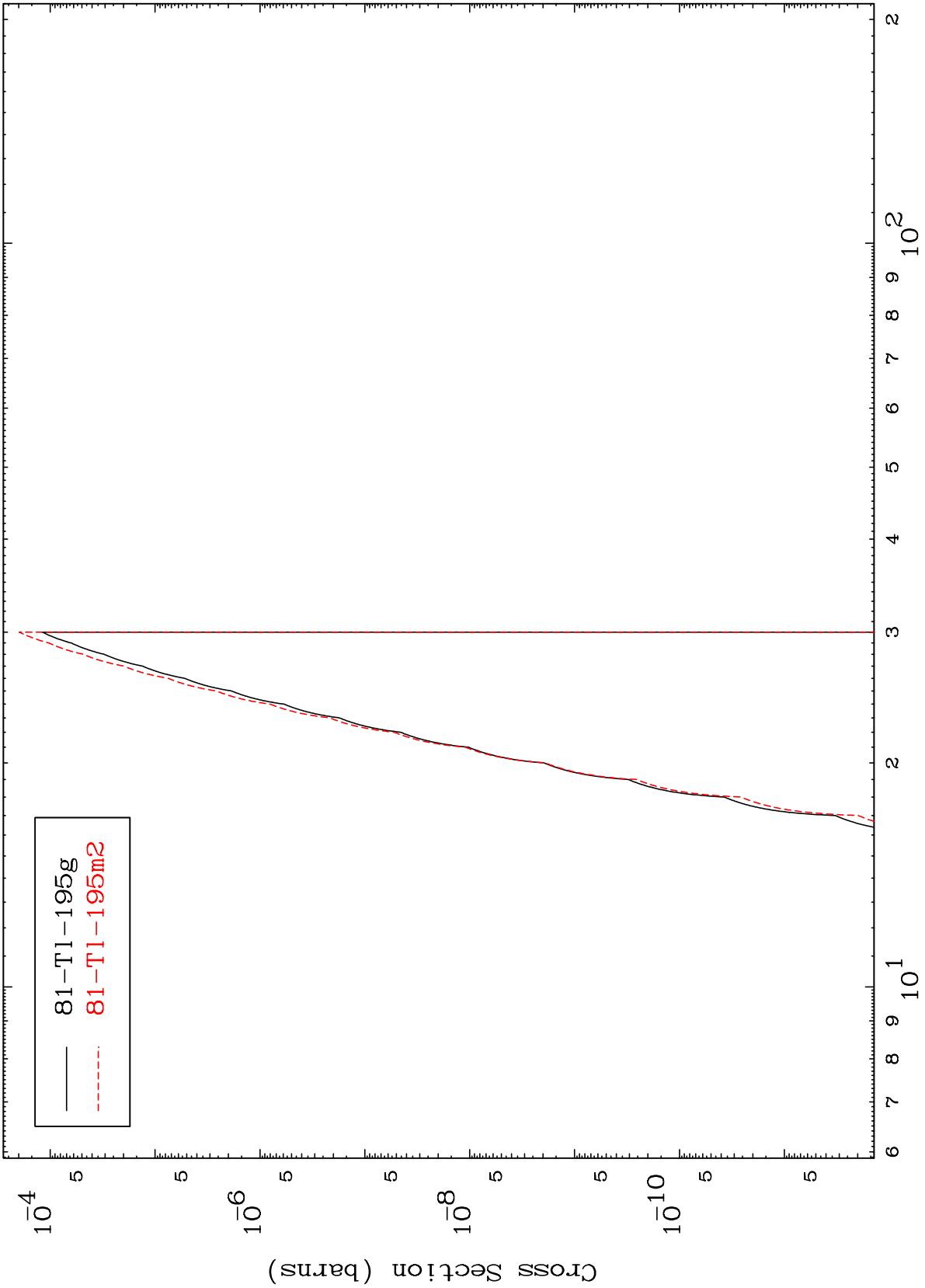


— 79-Au-189g
- - - 79-Au-189m3

Radionuclide Production Cross Section



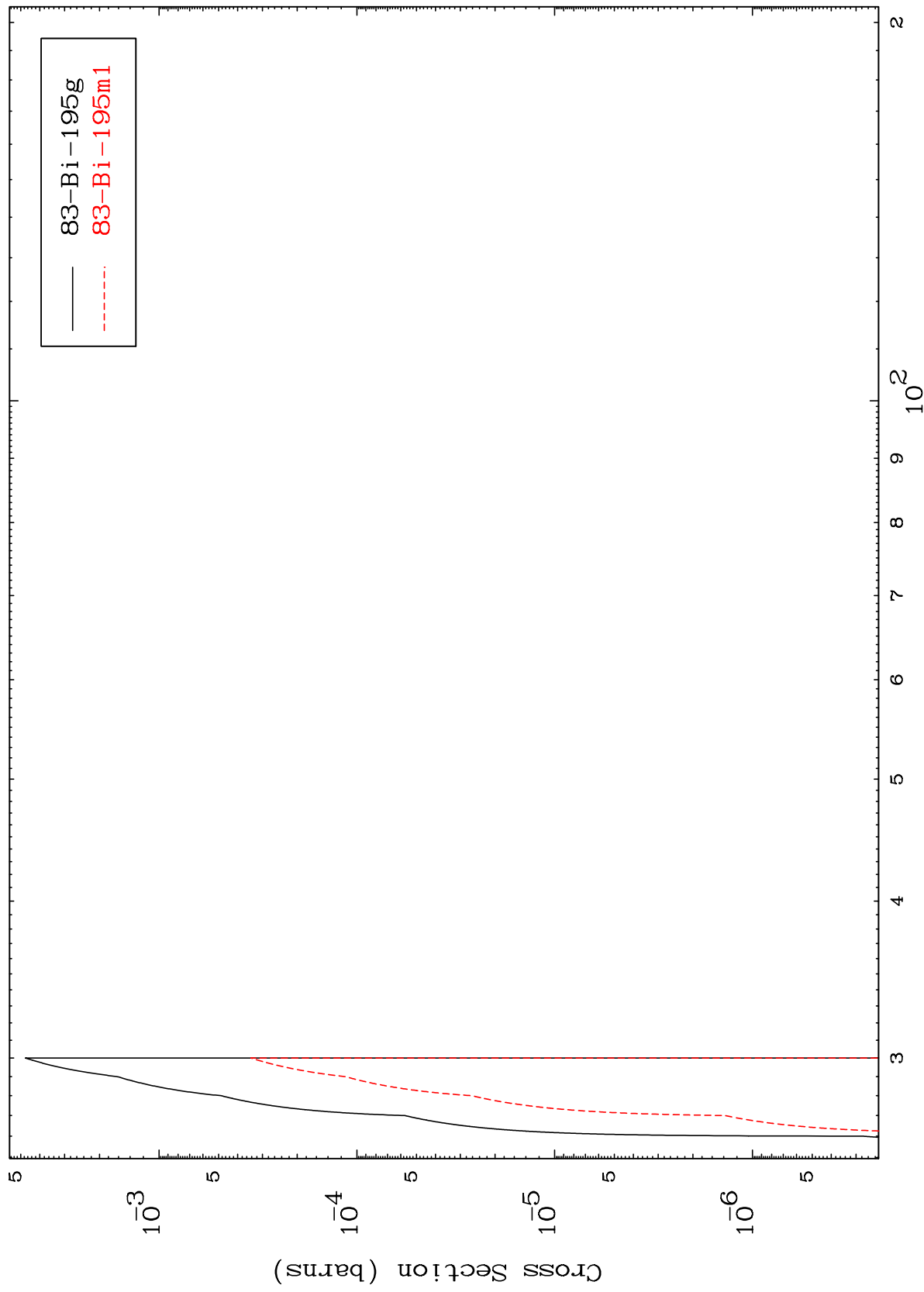
Radionuclide Production Cross Section



MAT 8292

83-Bi-198

(n,4n)
Radionuclide Production Cross Section



37

83-Bi-198

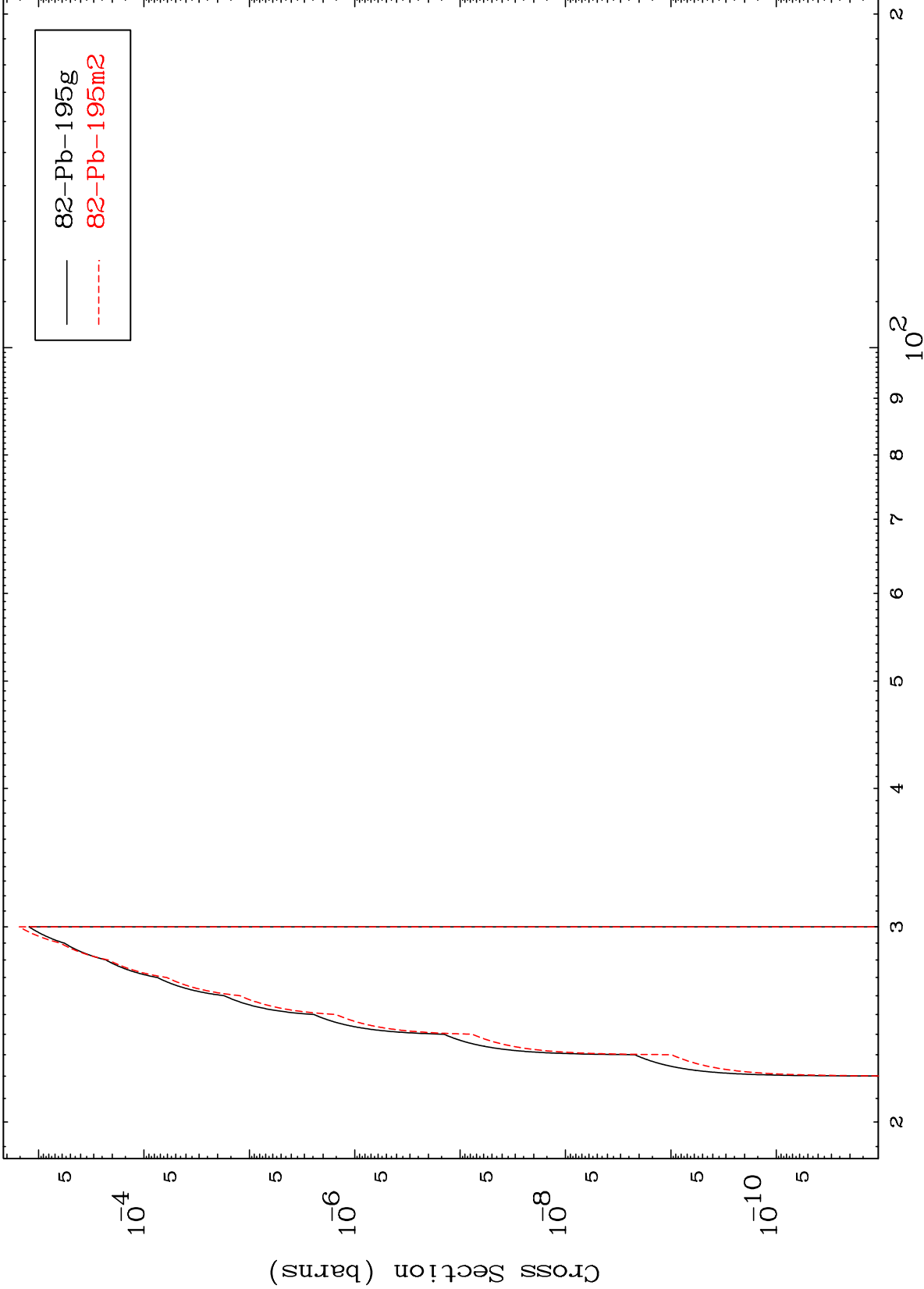
Incident Energy (MeV)

MAT 8292

(n,3n) p

83-Bi-198

Radionuclide Production Cross Section



38

Incident Energy (MeV)

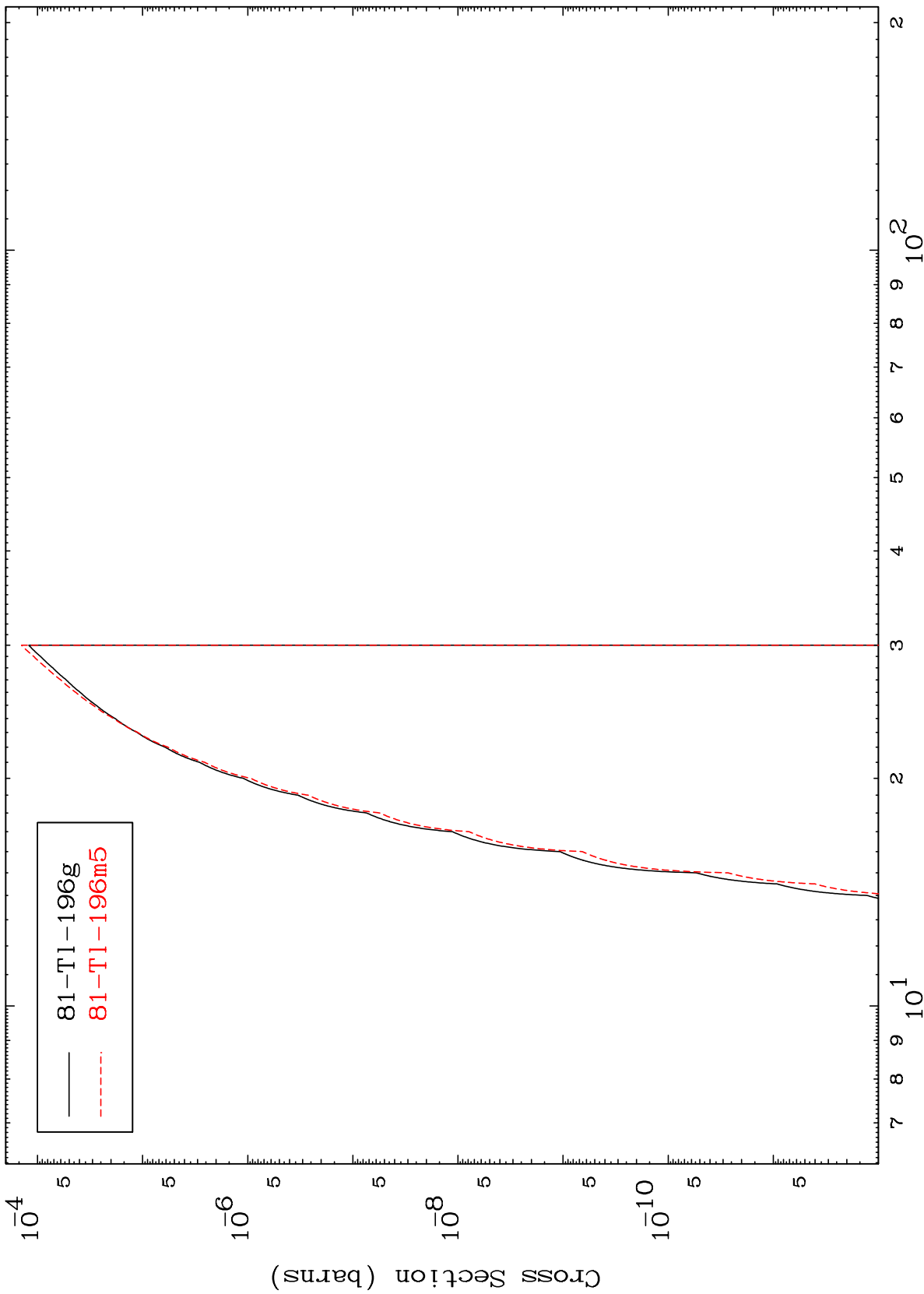
83-Bi-198

MAT 8292

(n,2n) p

83-Bi-198

Radionuclide Production Cross Section



39

Incident Energy (MeV)

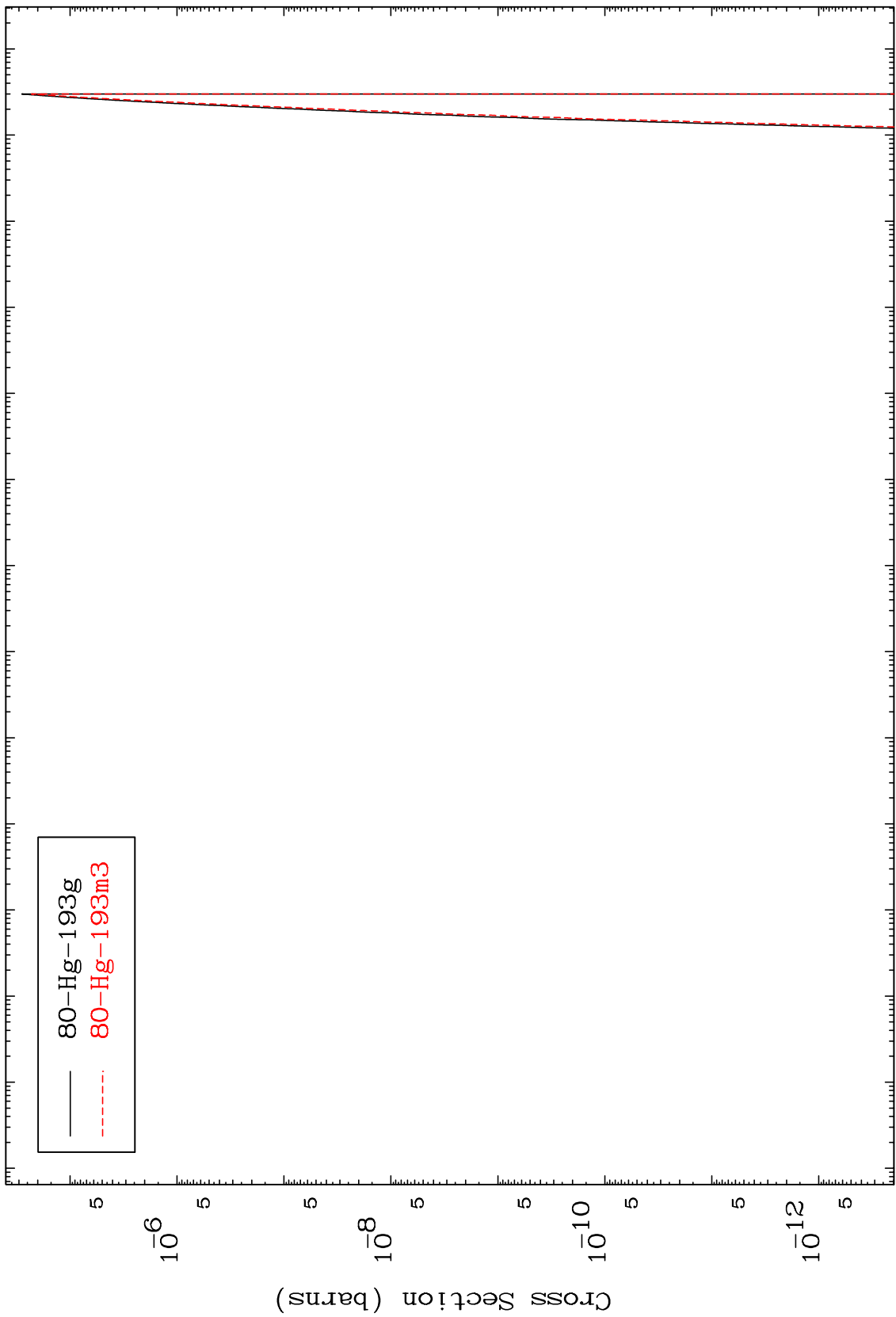
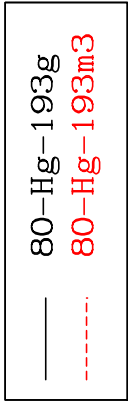
83-Bi-198

MAT 8292

(n,n') p α

83-Bi-198

Radionuclide Production Cross Section



40

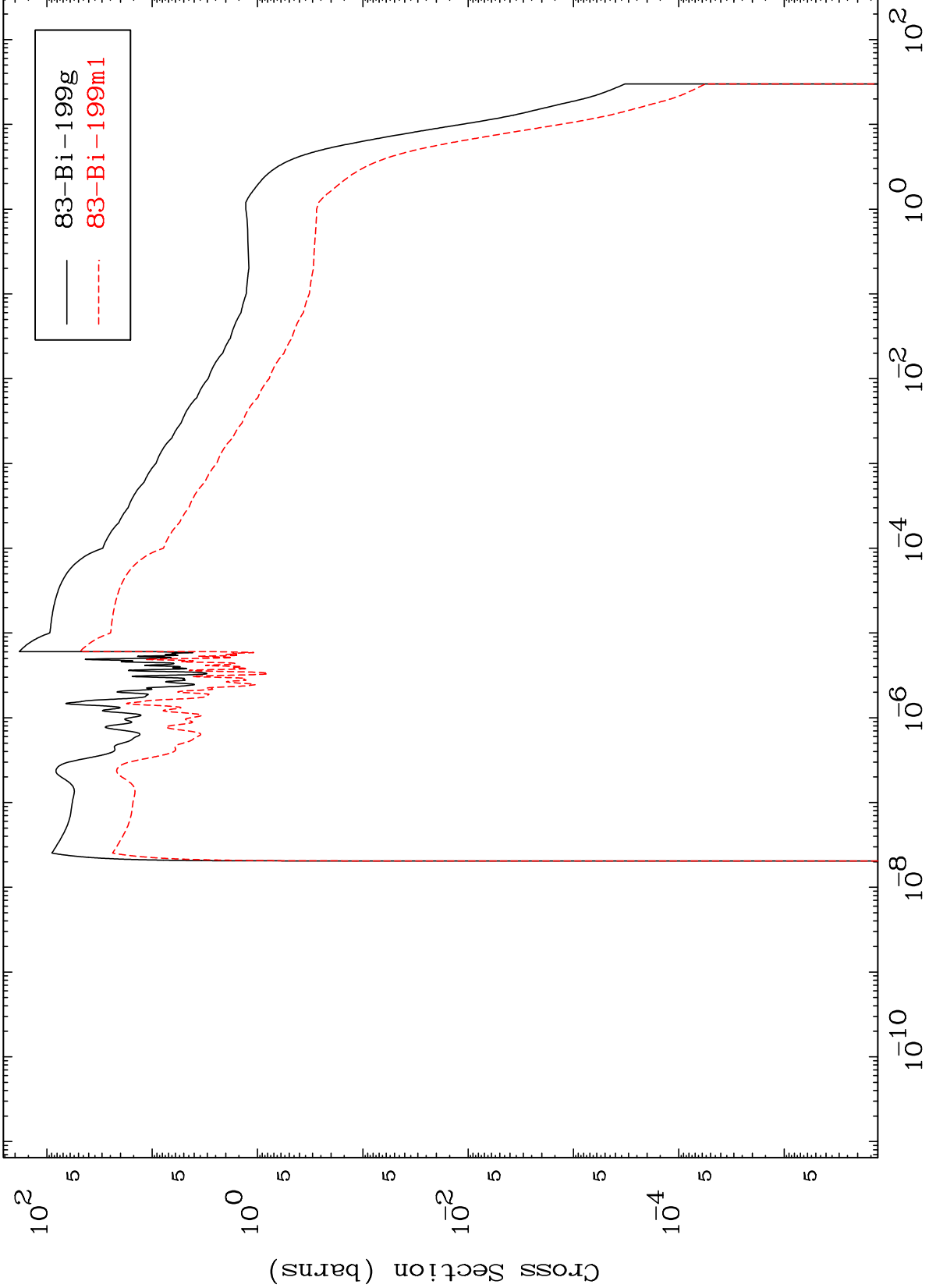
Incident Energy (MeV)

83-Bi-198

MAT 8292

83-Bi-198

(n, γ)
Radionuclide Production Cross Section

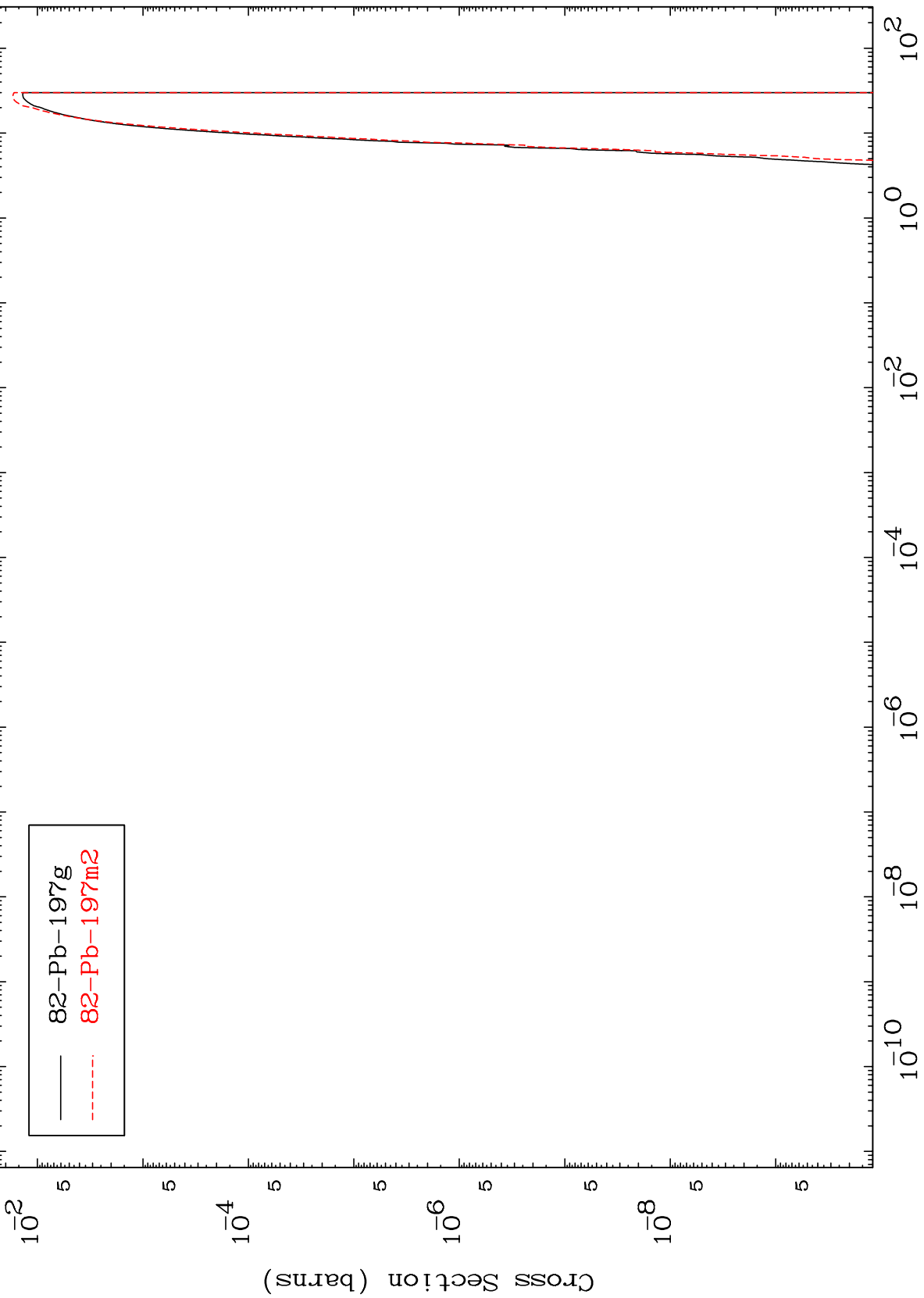


MAT 8292

(n,d)

83-Bi-198

Radionuclide Production Cross Section

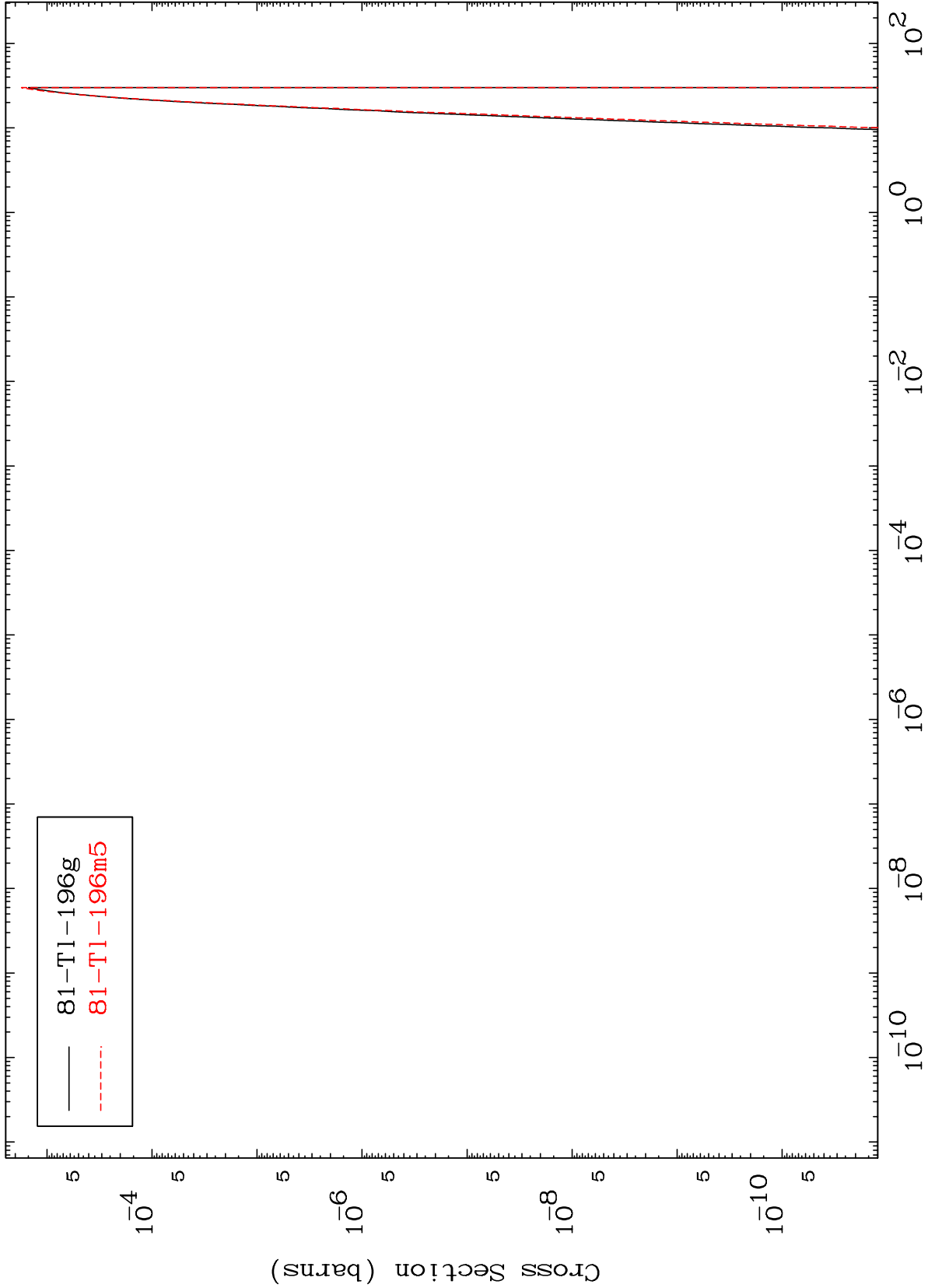


MAT 8292

(n,He-3)

83-Bi-198

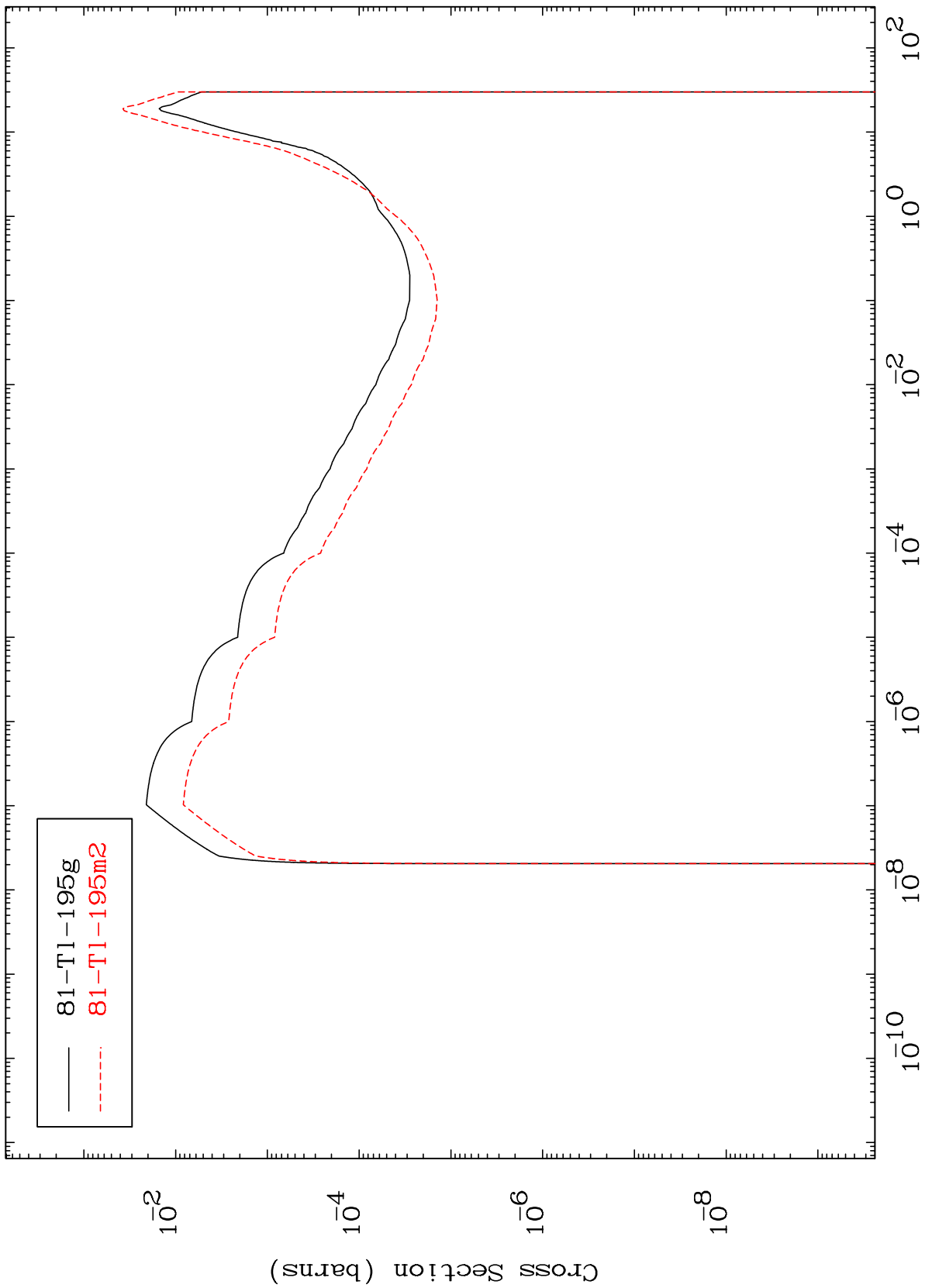
Radionuclide Production Cross Section



MAT 8292

83-Bi-198

Radionuclide Production Cross Section
(n, α)



83-Bi-198

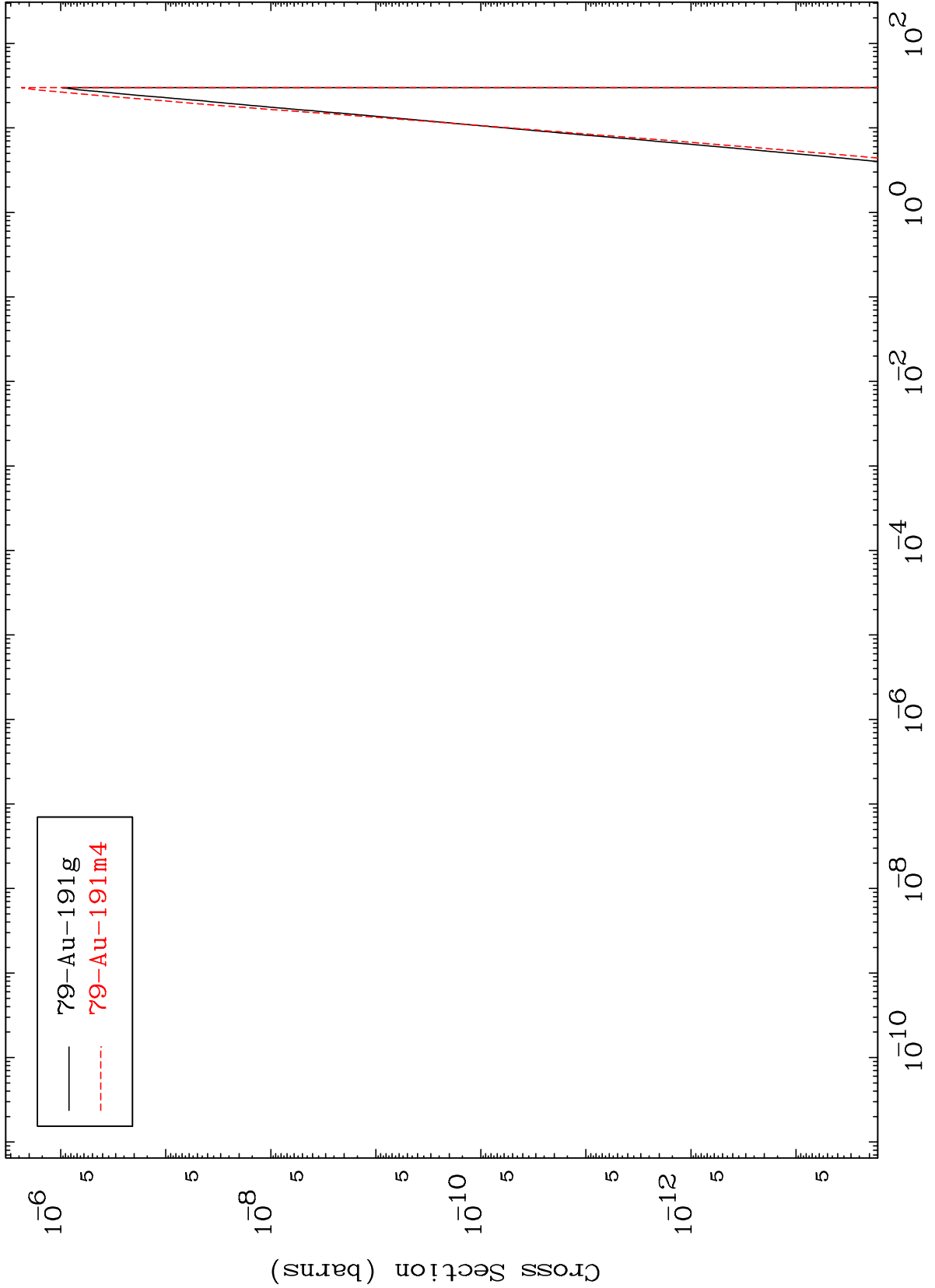
Incident Energy (MeV)

MAT 8292

(n,2α)

83-Bi-198

Radionuclide Production Cross Section



79-Au-191g
79-Au-191m4

Incident Energy (MeV)

83-Bi-198

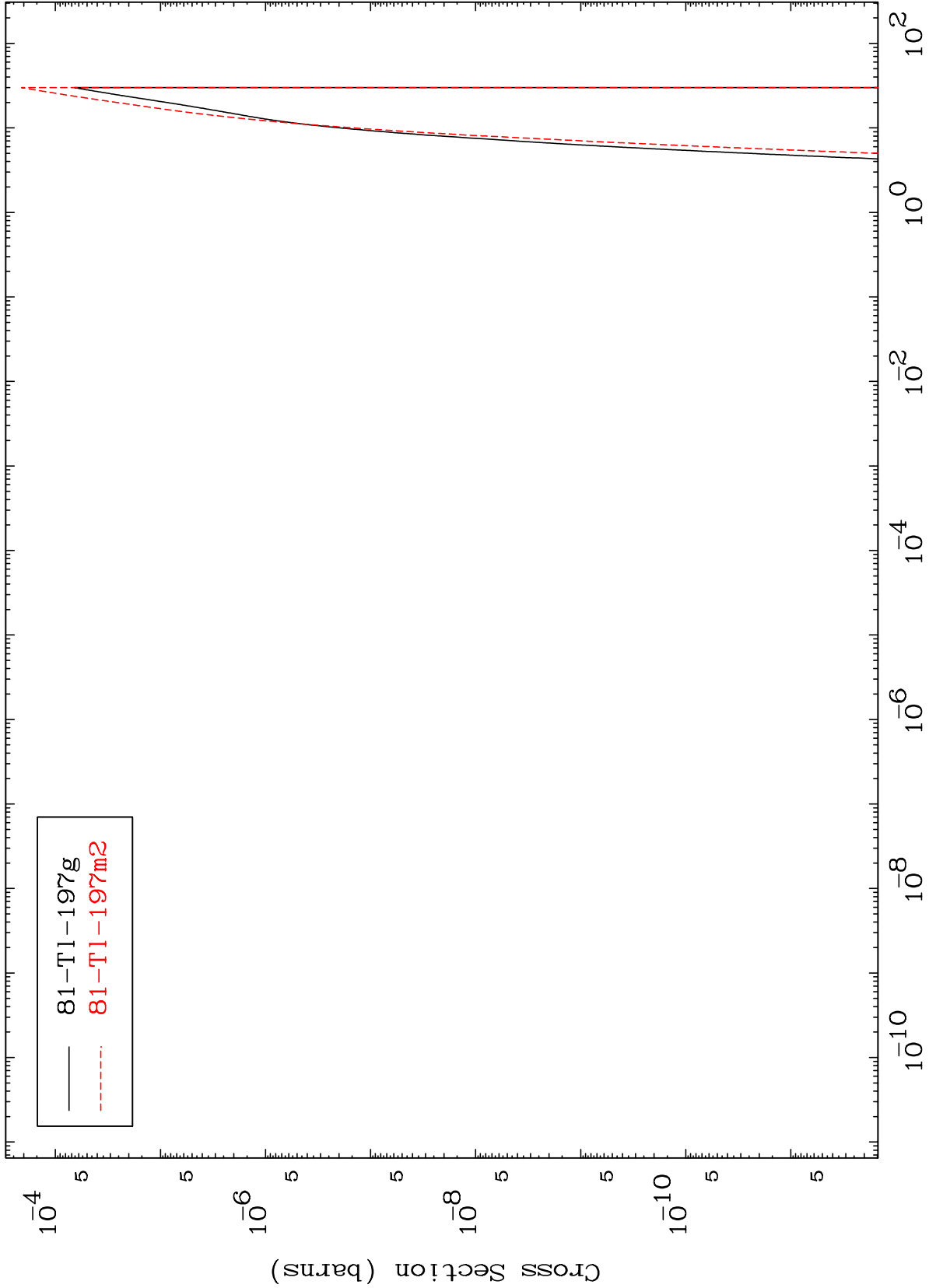
45

MAT 8292

(n,2p)

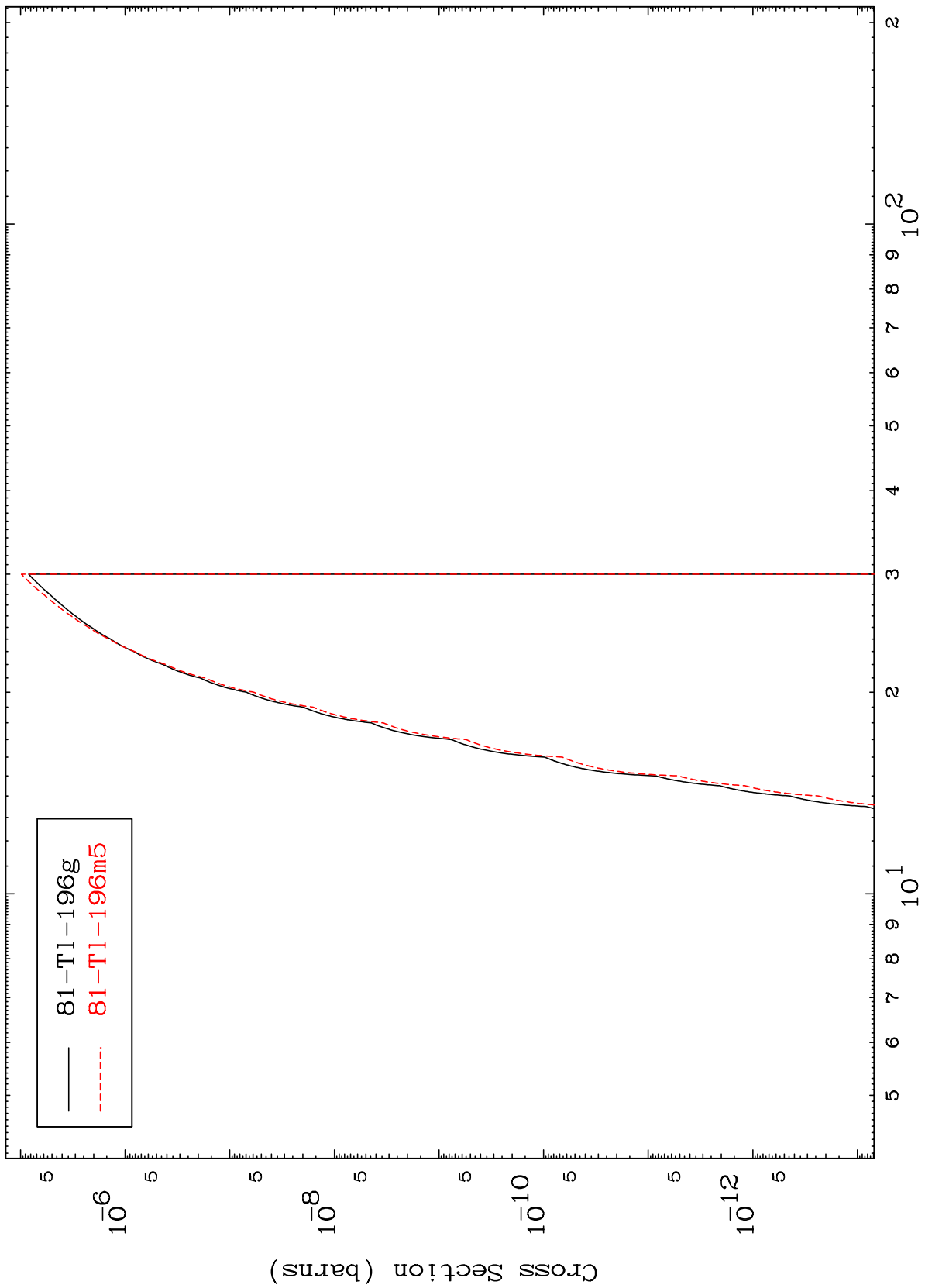
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Radionuclide Production Cross Section

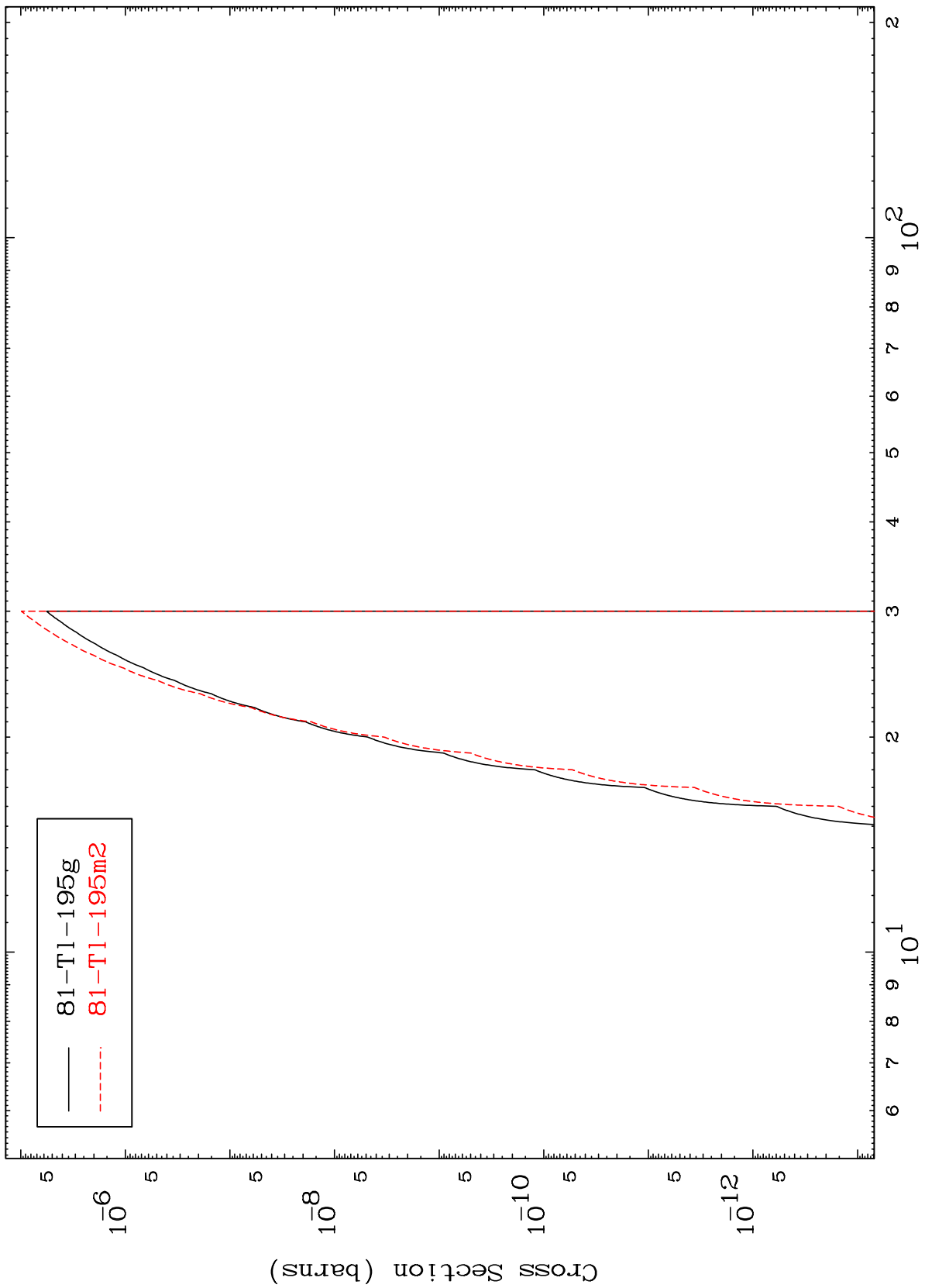


81-Tl-197g
81-Tl-197m2

Radionuclide Production Cross Section



Radionuclide Production Cross Section



81-Tl-195g
81-Tl-195m2

MAT 8292

(n,d) α

83-Bi-198

Radionuclide Production Cross Section

