

Program EVALPLOT
(Version 2017-1)

by

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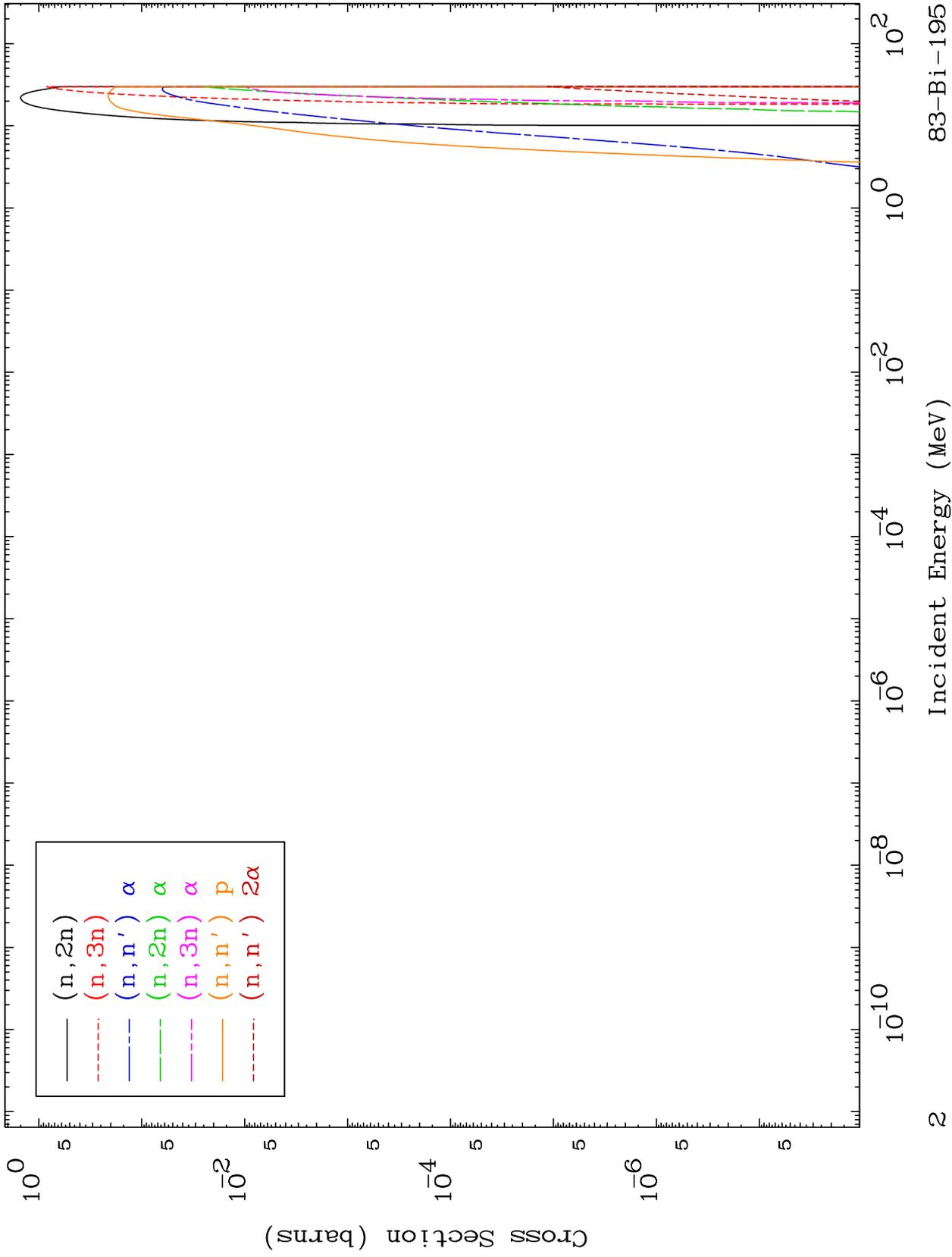
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Press Mouse Button to Start

MAT 8283

Neutron Production
293 Kelvin Cross Sections

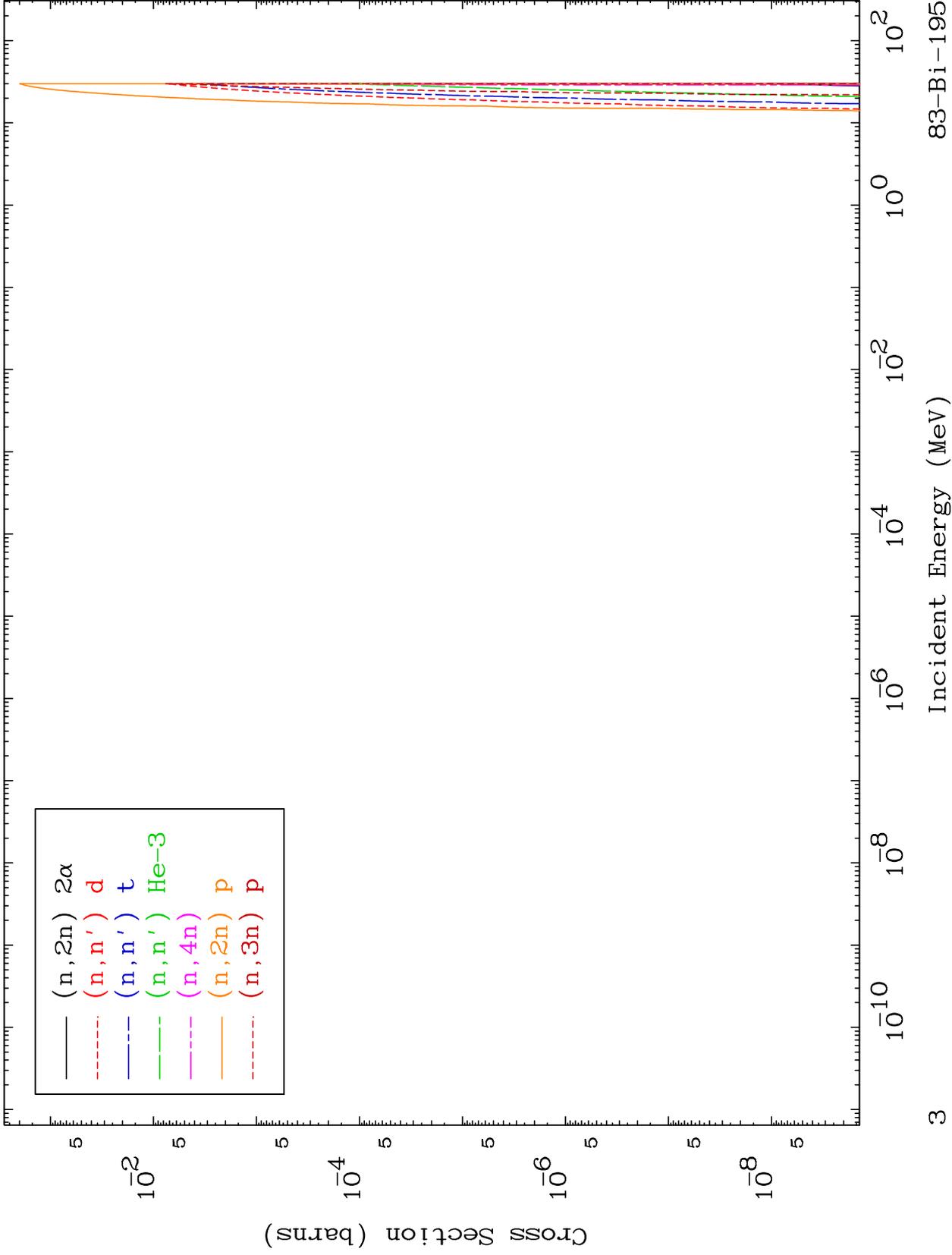
83-Bi-195



MAT 8283

Neutron Production
293 Kelvin Cross Sections

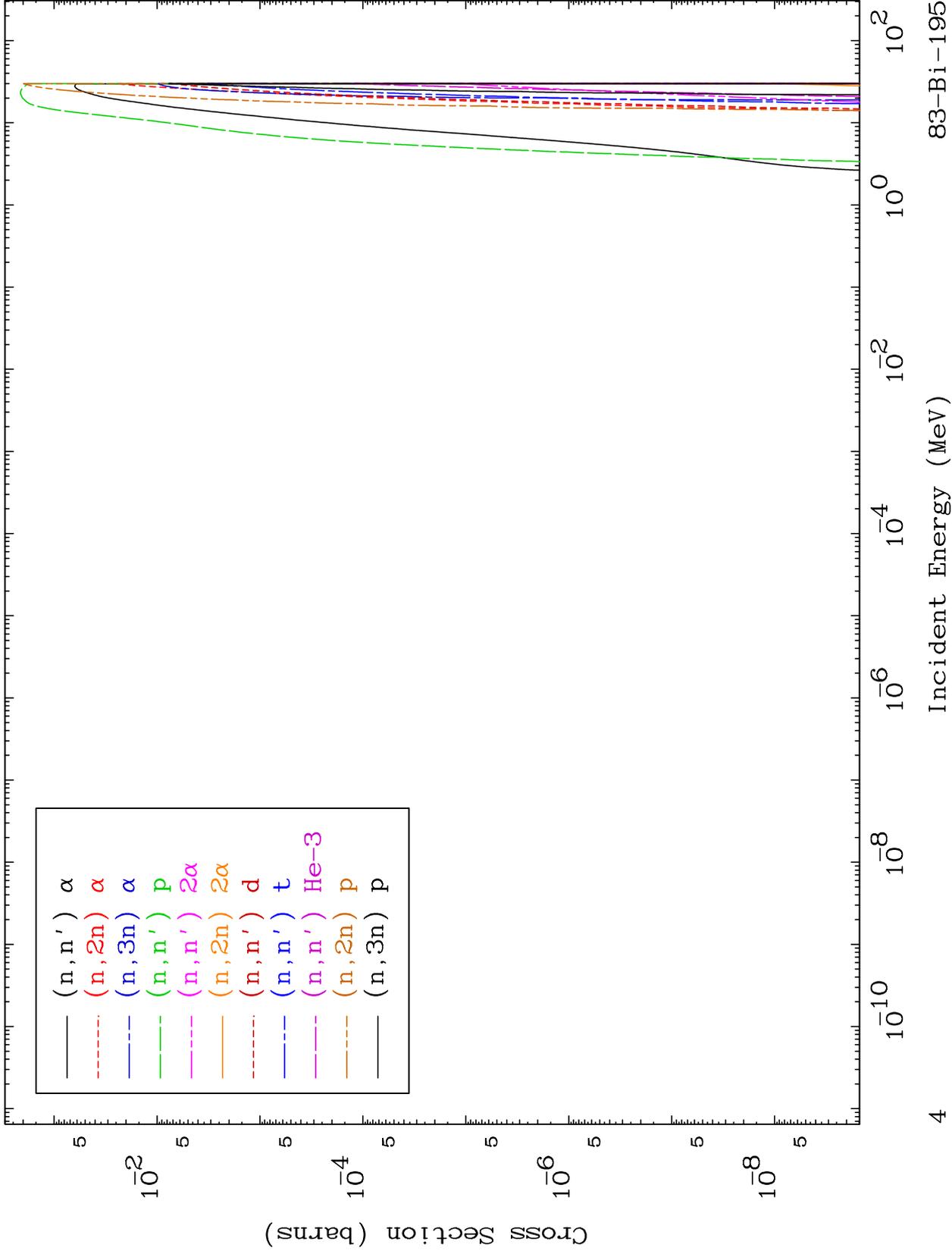
83-Bi-195



MAT 8283

Charged Particle
293 Kelvin Cross Sections

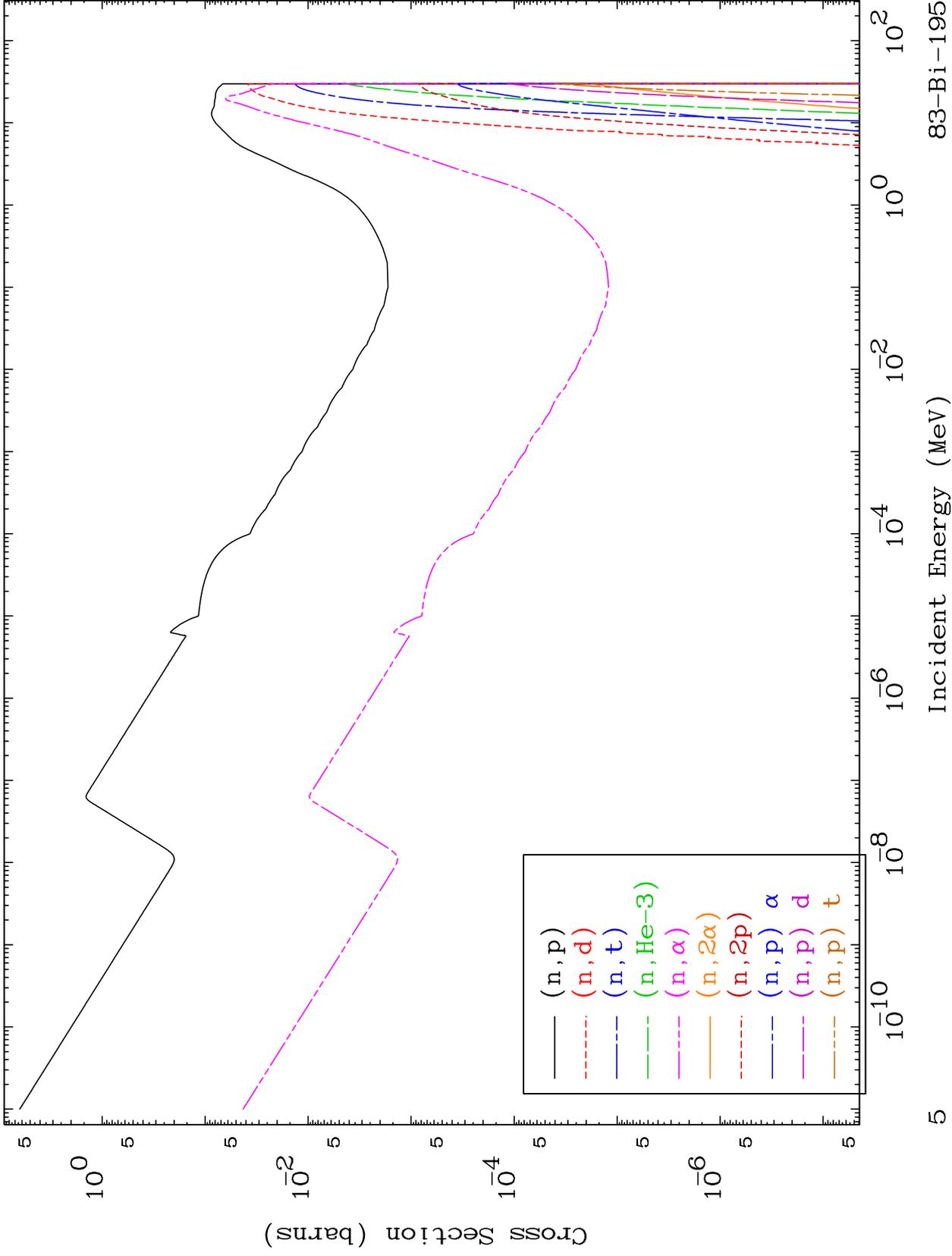
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MAT 8283

Charged Particle
293 Kelvin Cross Sections

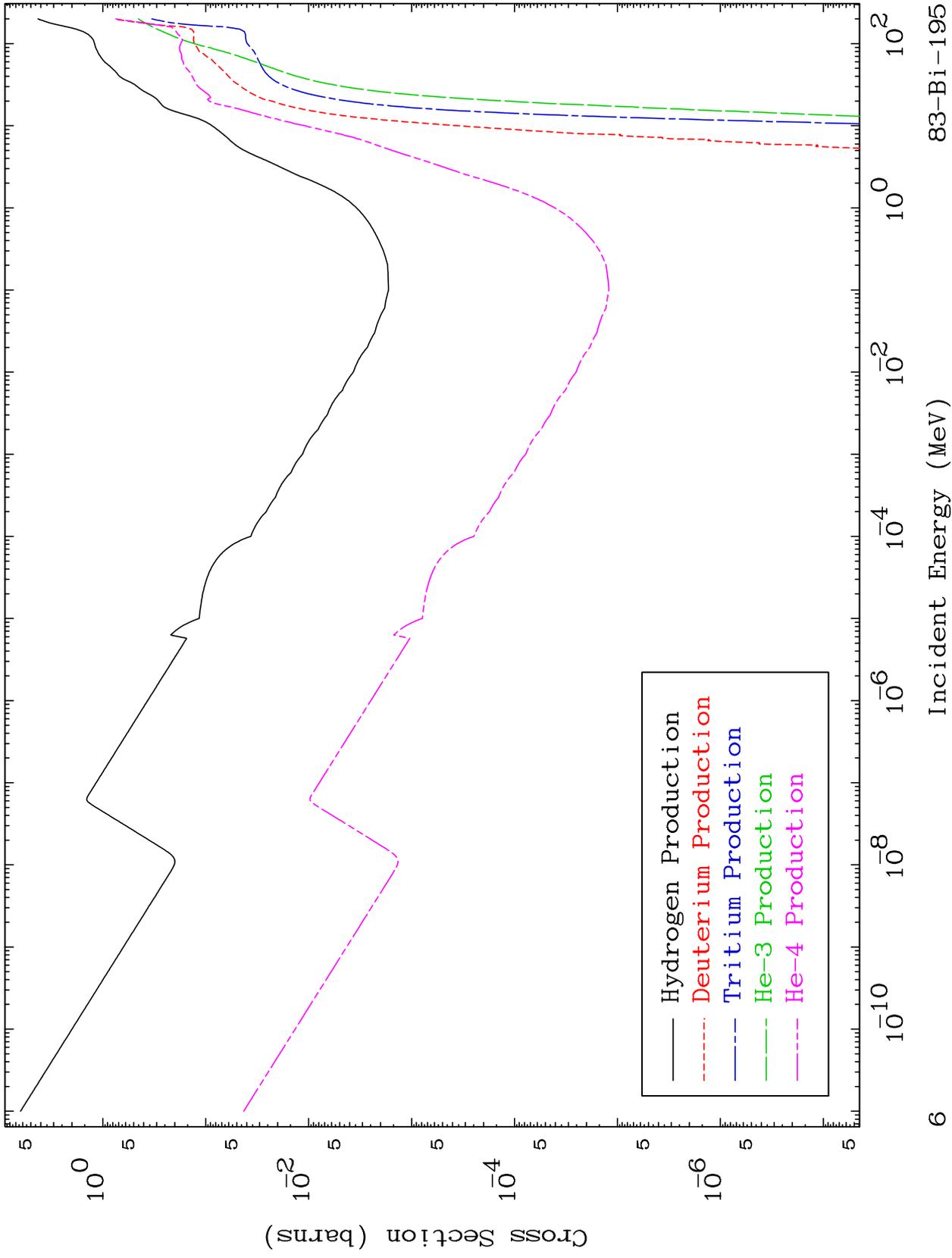
83-Bi-195



MAT 8283

Particle Production
293 Kelvin Cross Sections

83-Bi-195

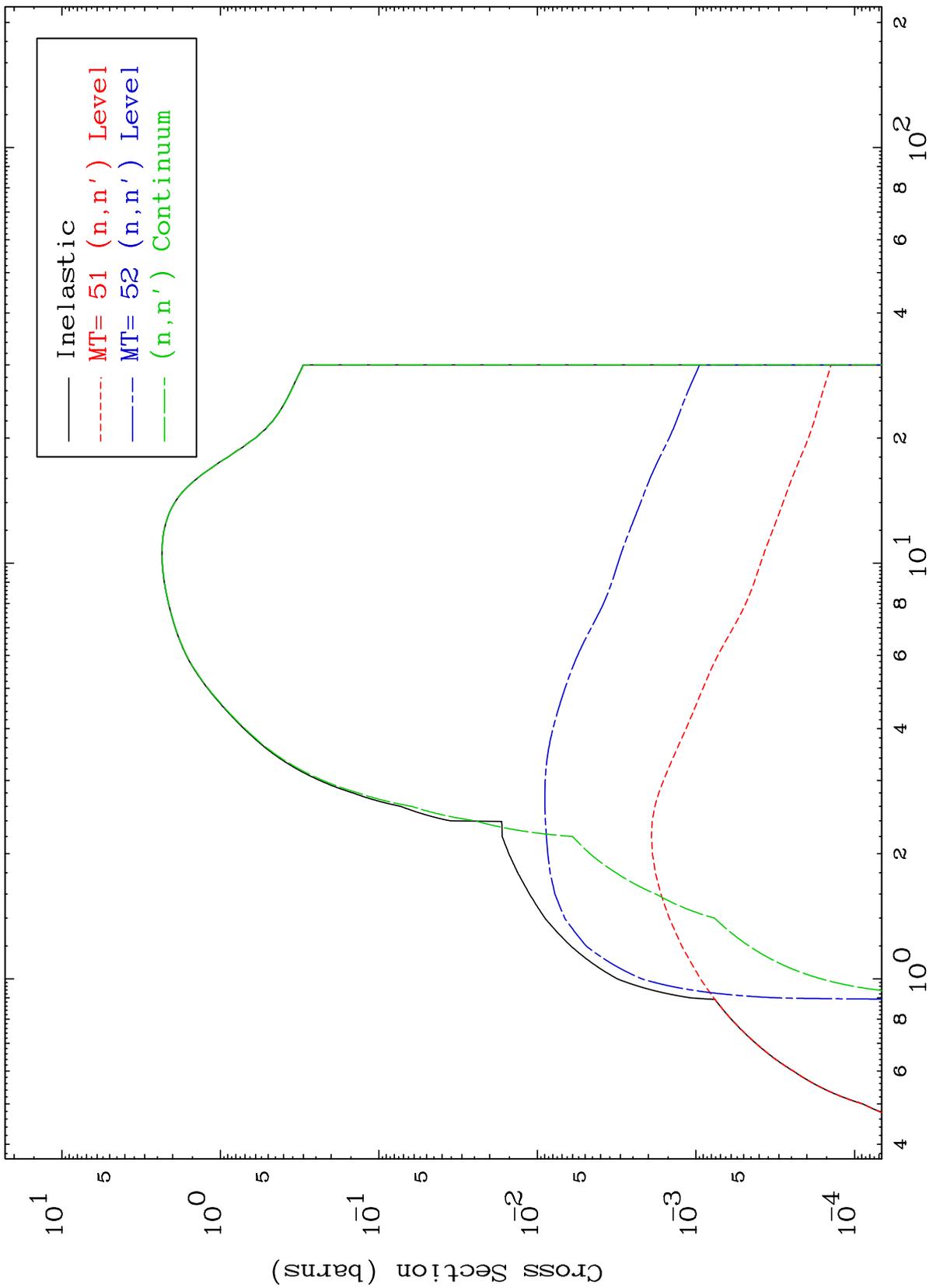


MAT 8283

(n,n') Level

83-Bi-195

293 Kelvin Cross Sections



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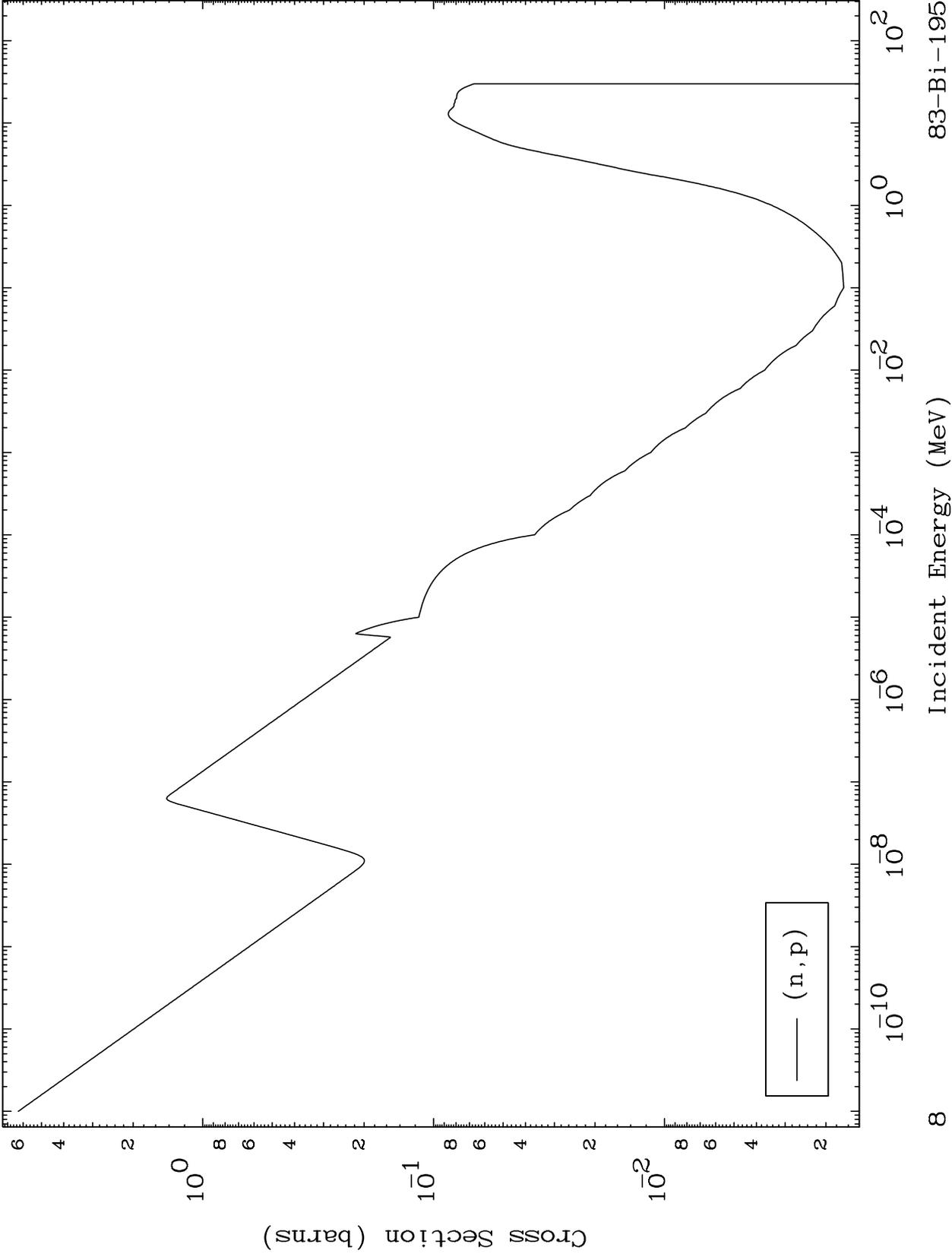
Incident Energy (MeV)

83-Bi-195

MAT 8283

(n,p) Levels
293 Kelvin Cross Sections

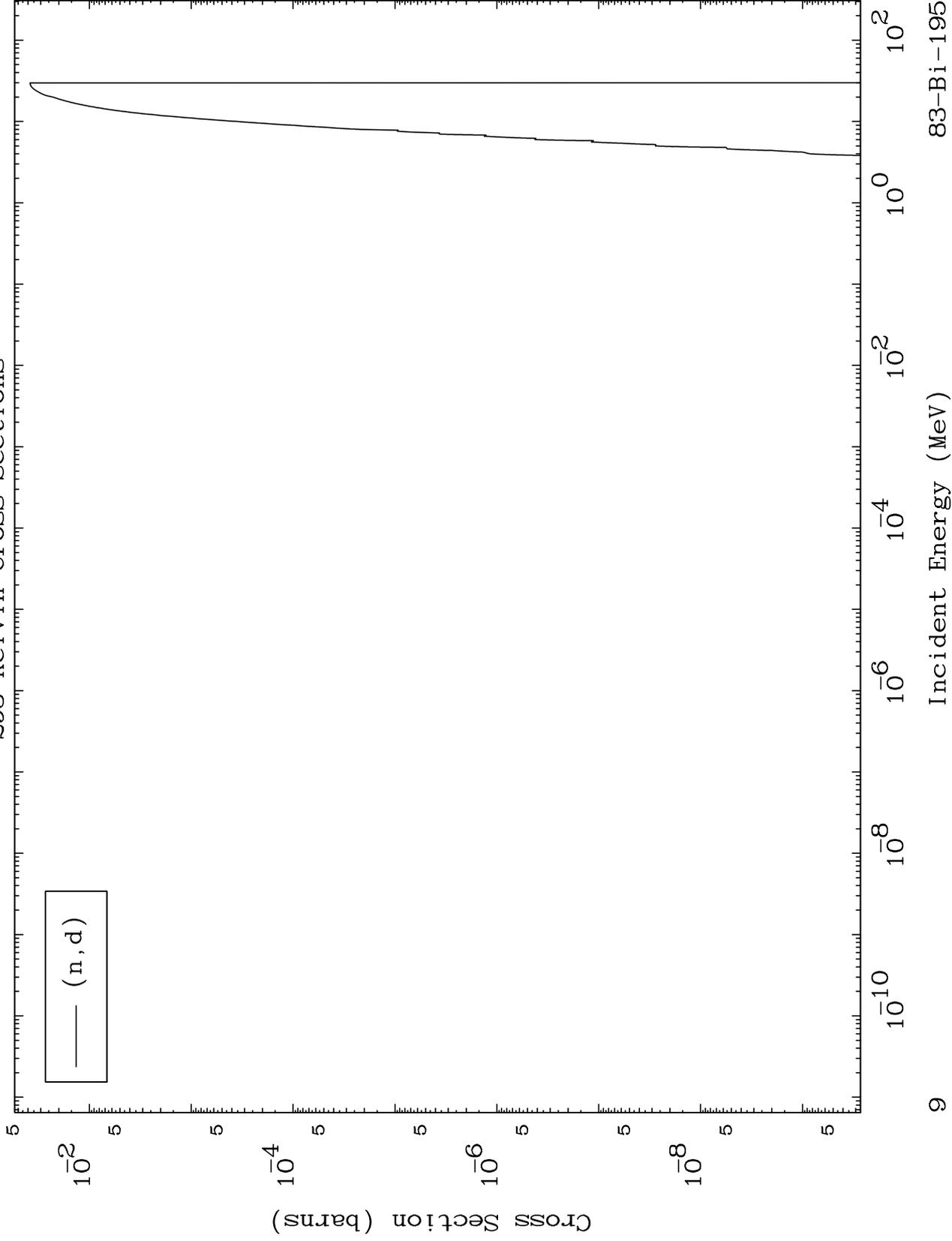
83-Bi-195



MAT 8283

(n,d) Levels
293 Kelvin Cross Sections

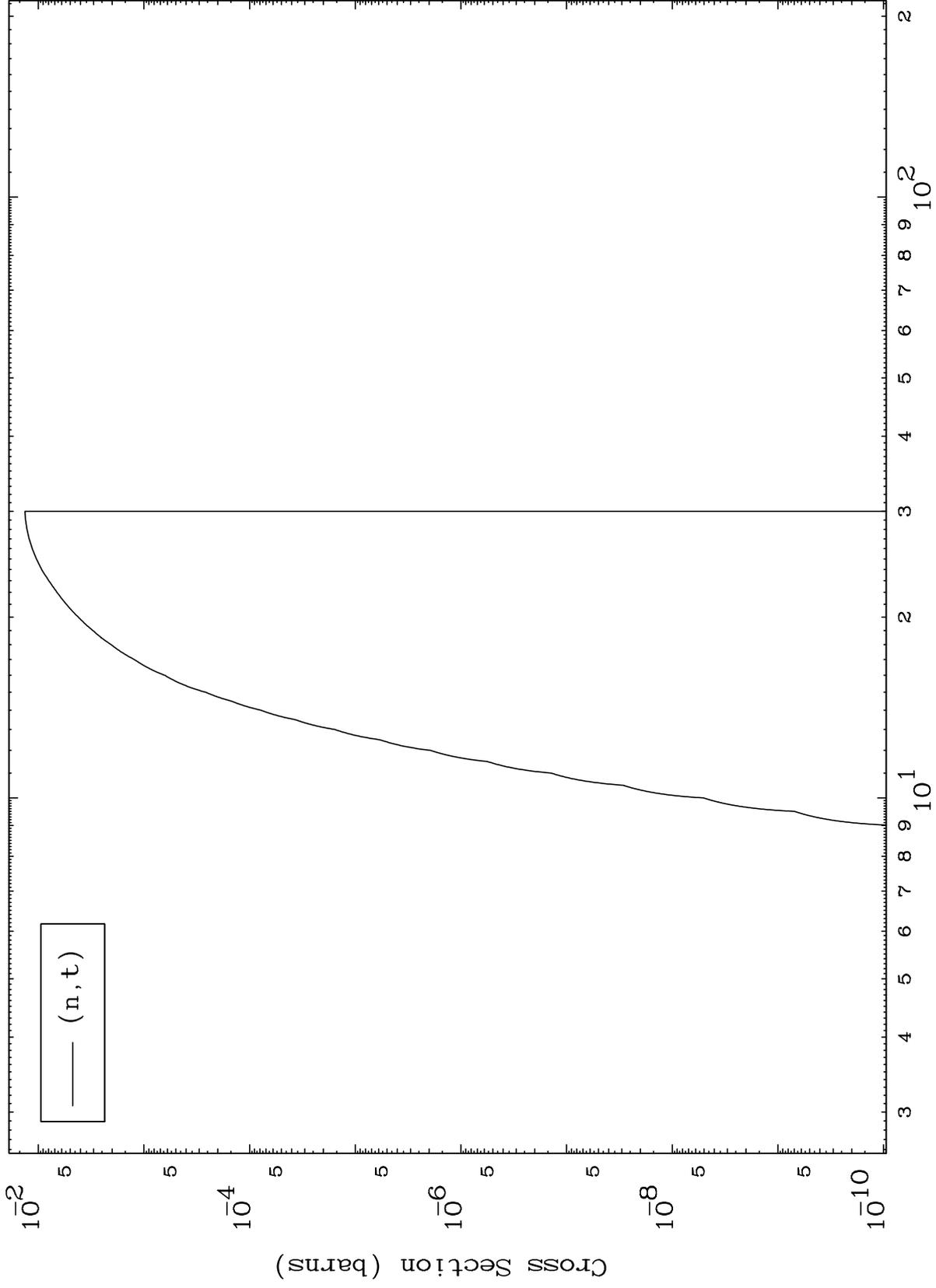
83-Bi-195



MAT 8283

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-195



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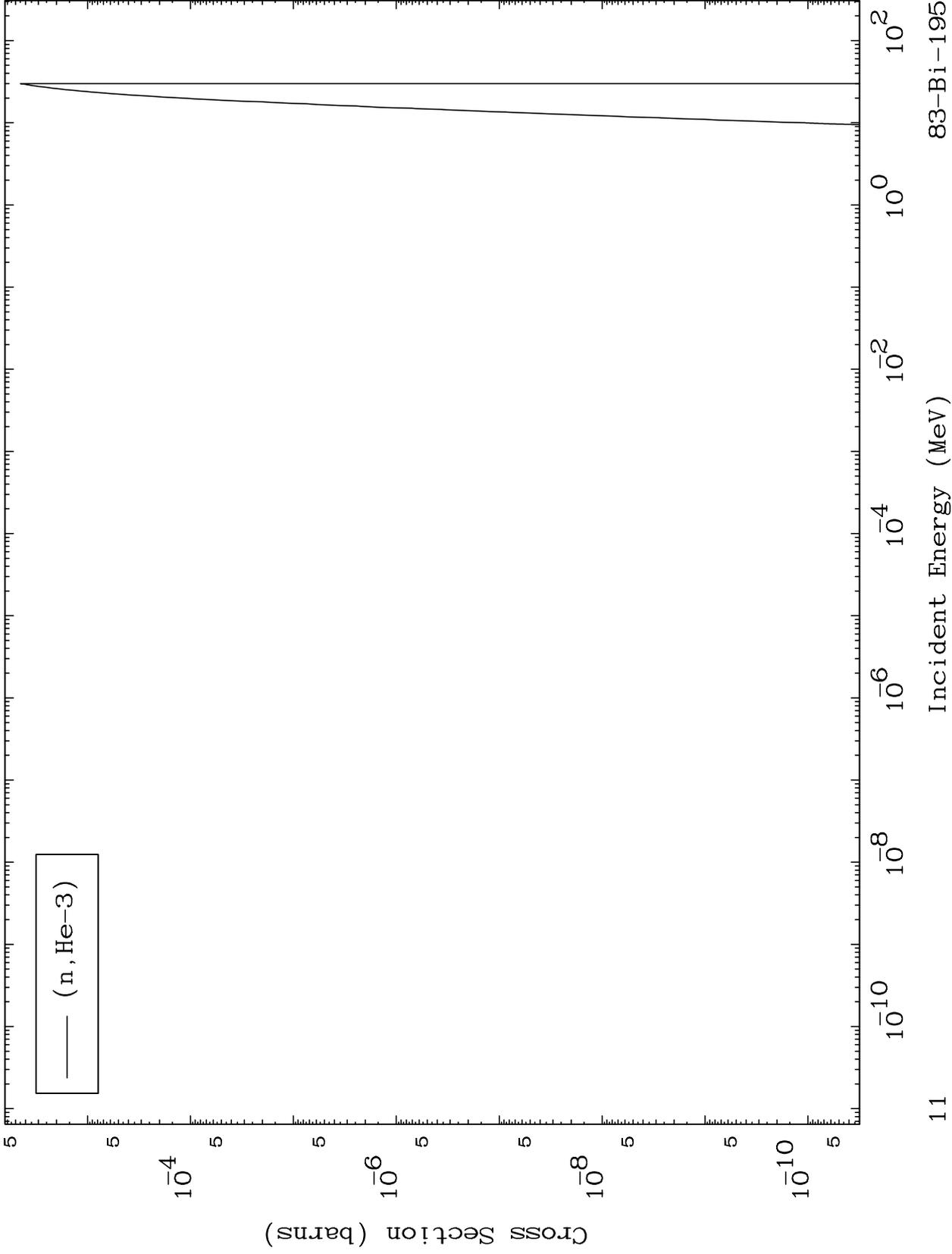
Incident Energy (MeV)

83-Bi-195

MAT 8283

(n,He3) Levels
293 Kelvin Cross Sections

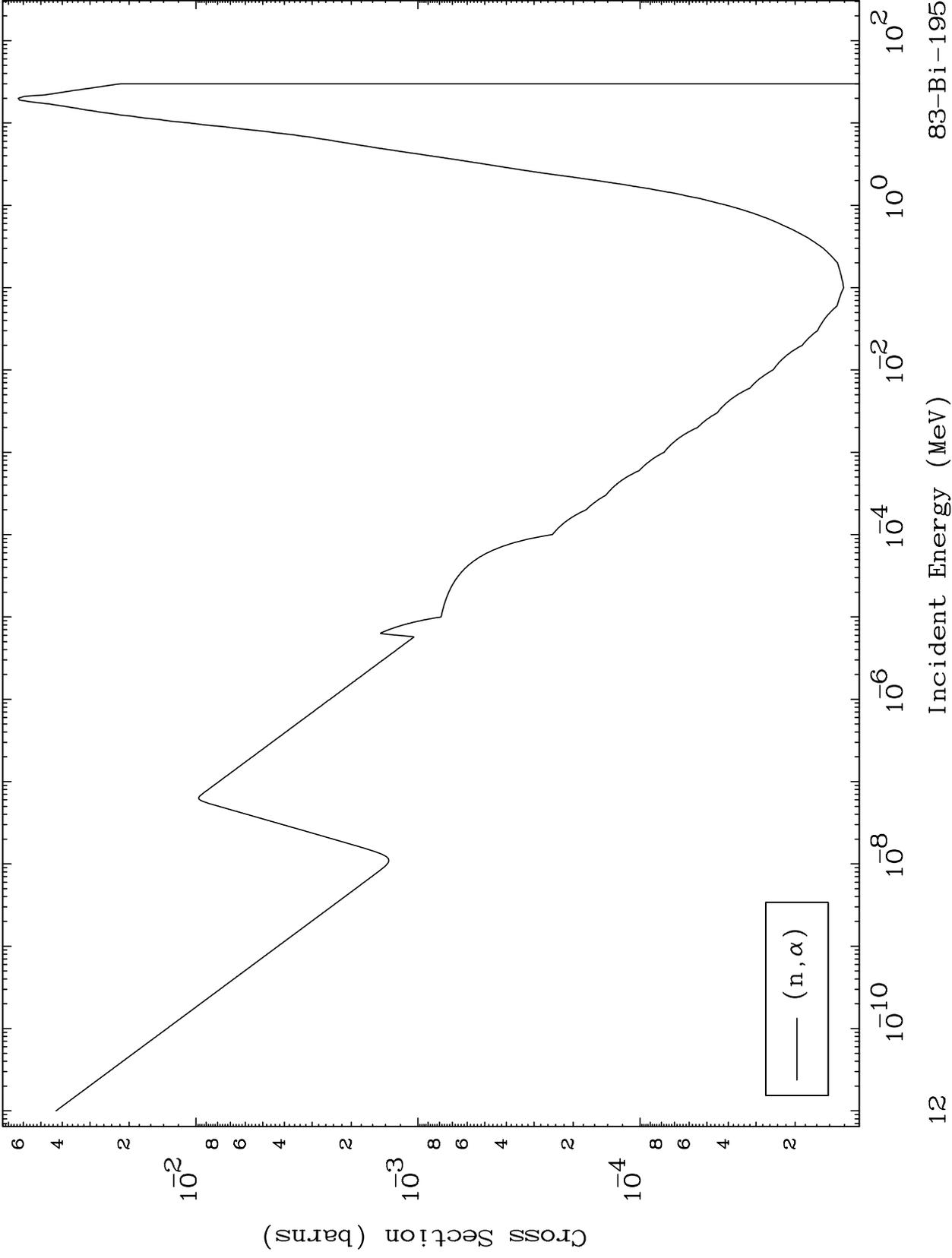
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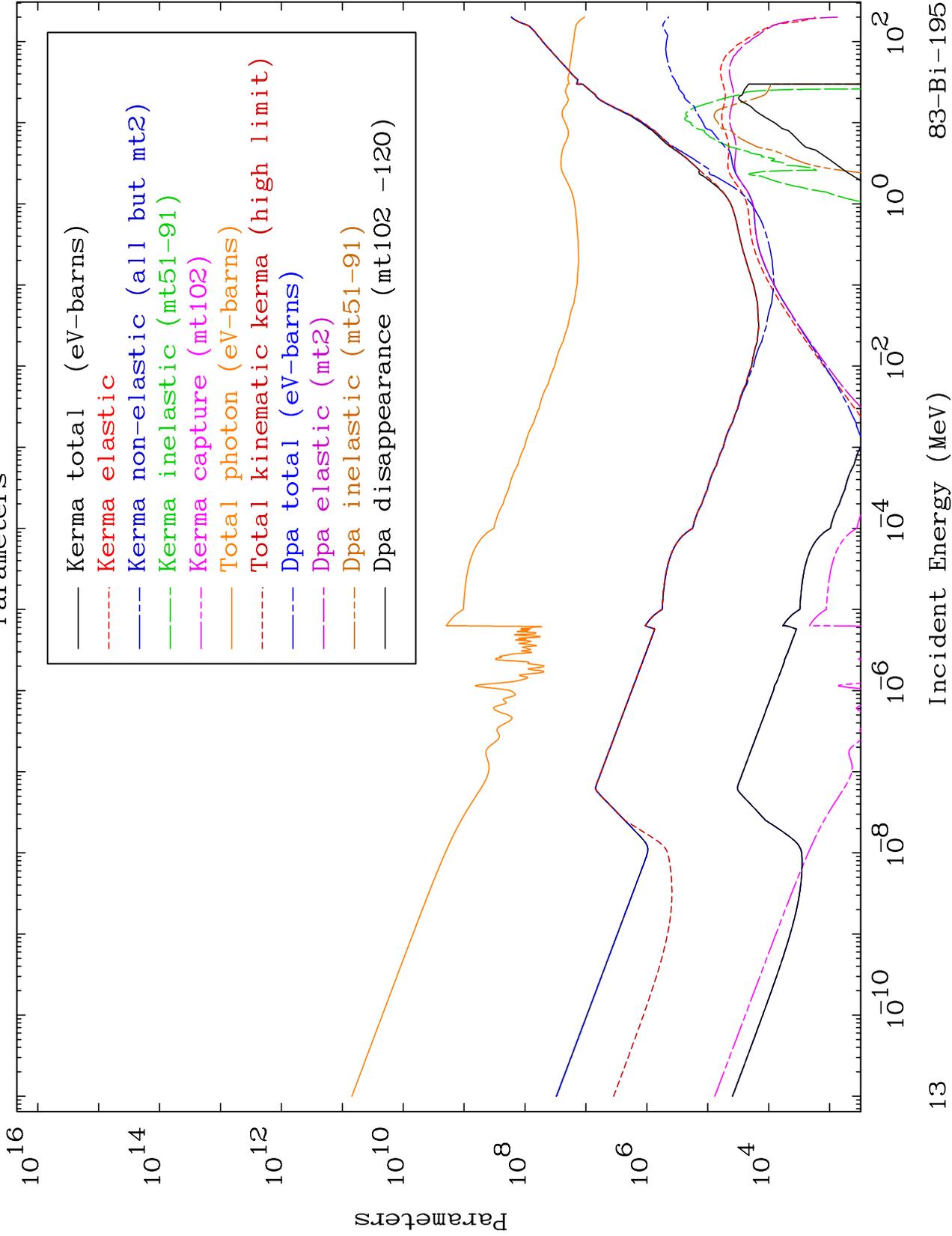


MAT 8283

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-195

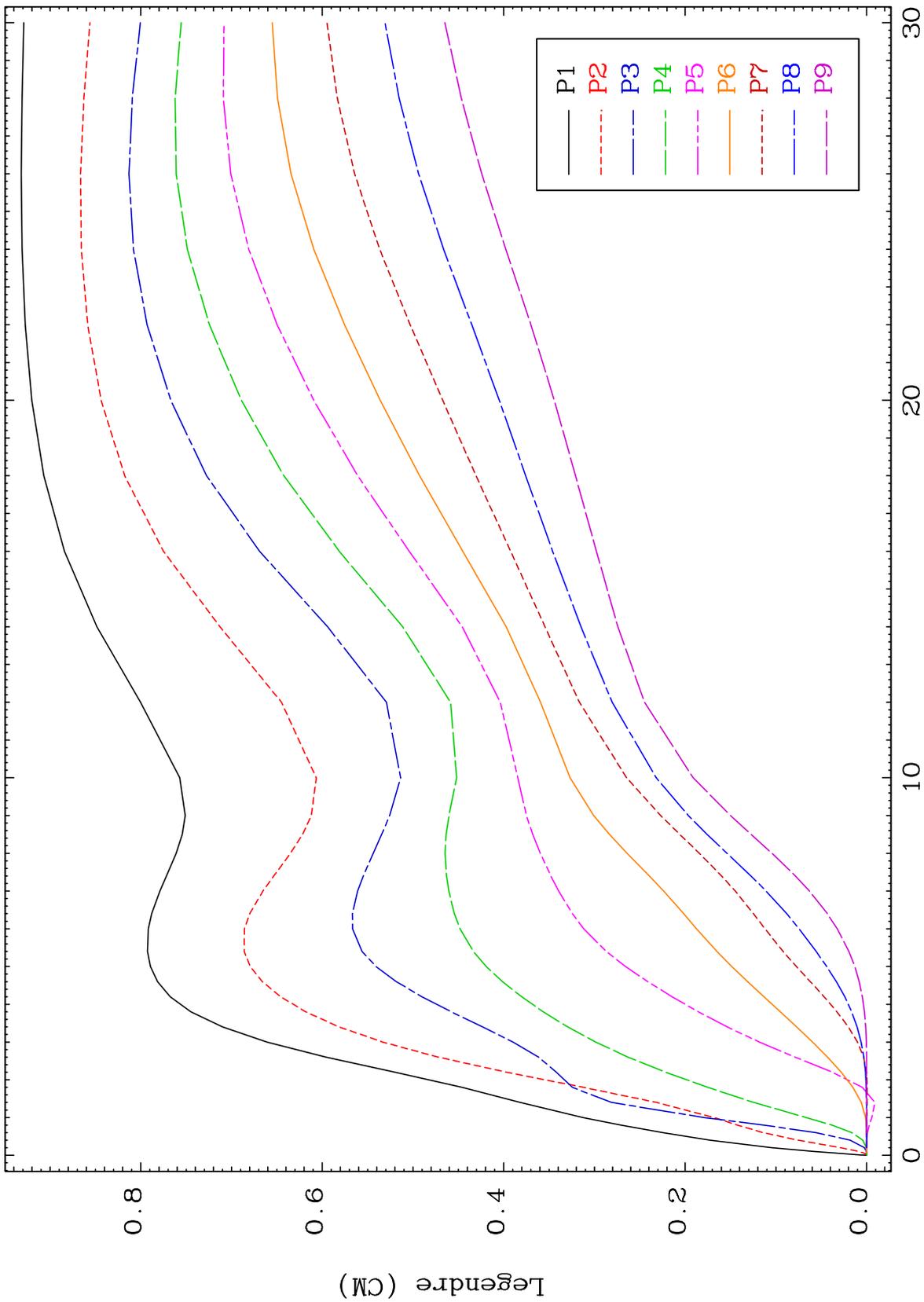




MAT 8283

83-Bi-195

Elastic Legendre Coefficients



14

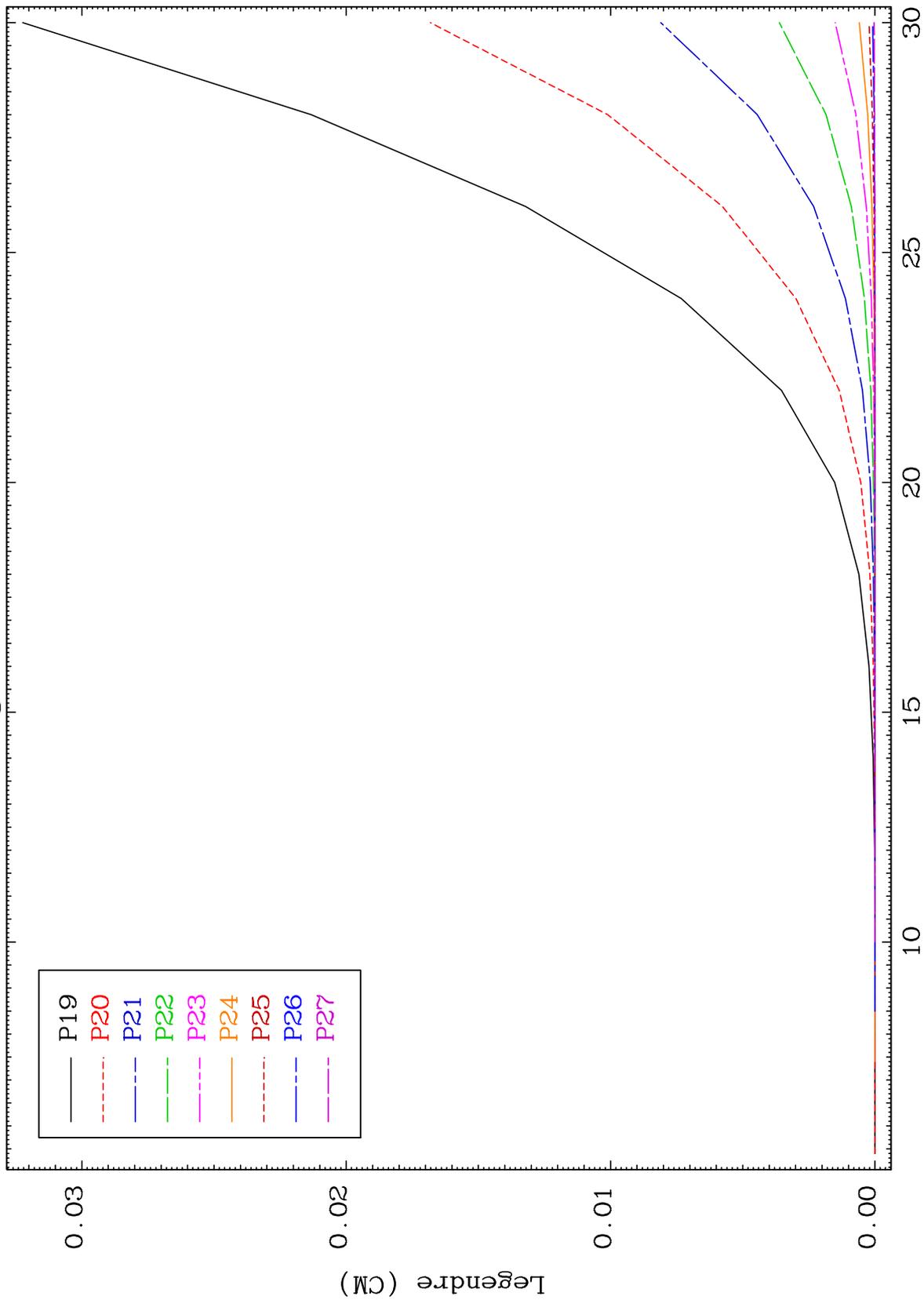
Incident Energy (MeV)

83-Bi-195

MAT 8283

Elastic Legendre Coefficients

83-Bi-195



16

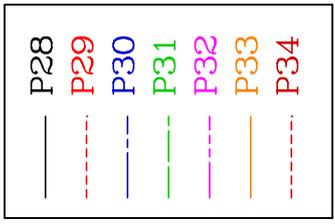
Incident Energy (MeV)

83-Bi-195

MAT 8283

Elastic Legendre Coefficients

83-Bi-195



$\times 10^{-50}$

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

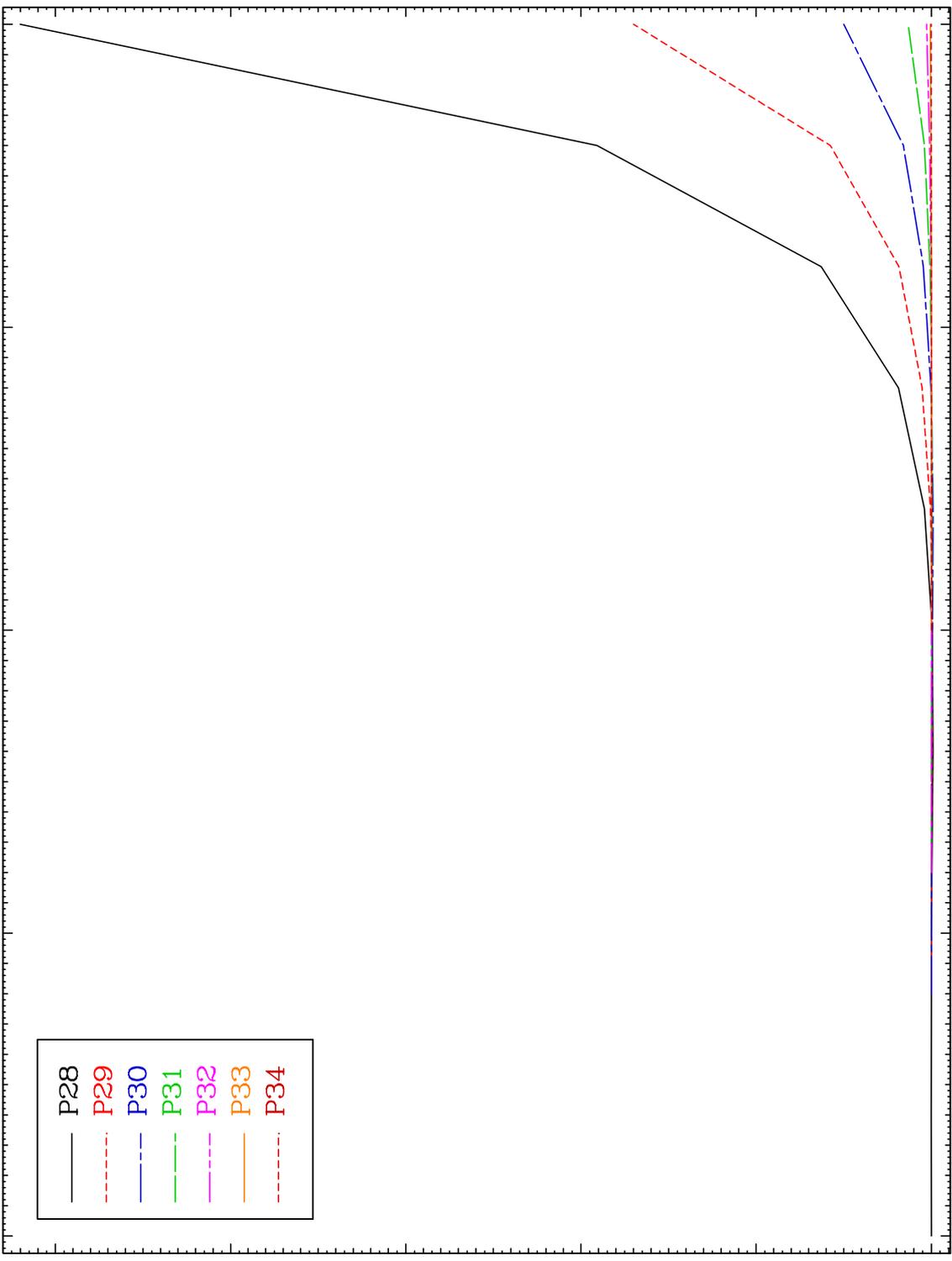
25

30

17

Incident Energy (MeV)

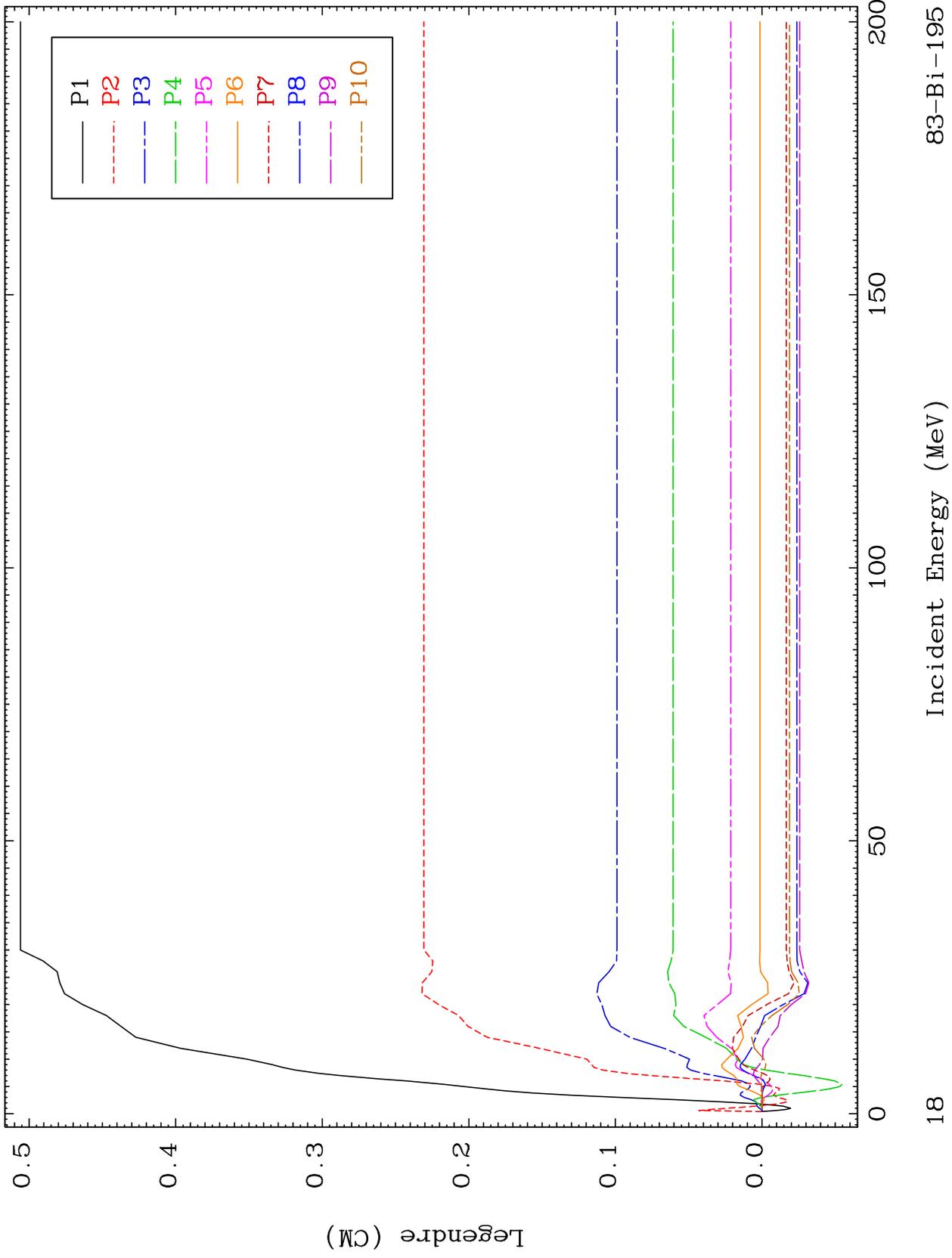
83-Bi-195



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

83-Bi-195



83-Bi-195

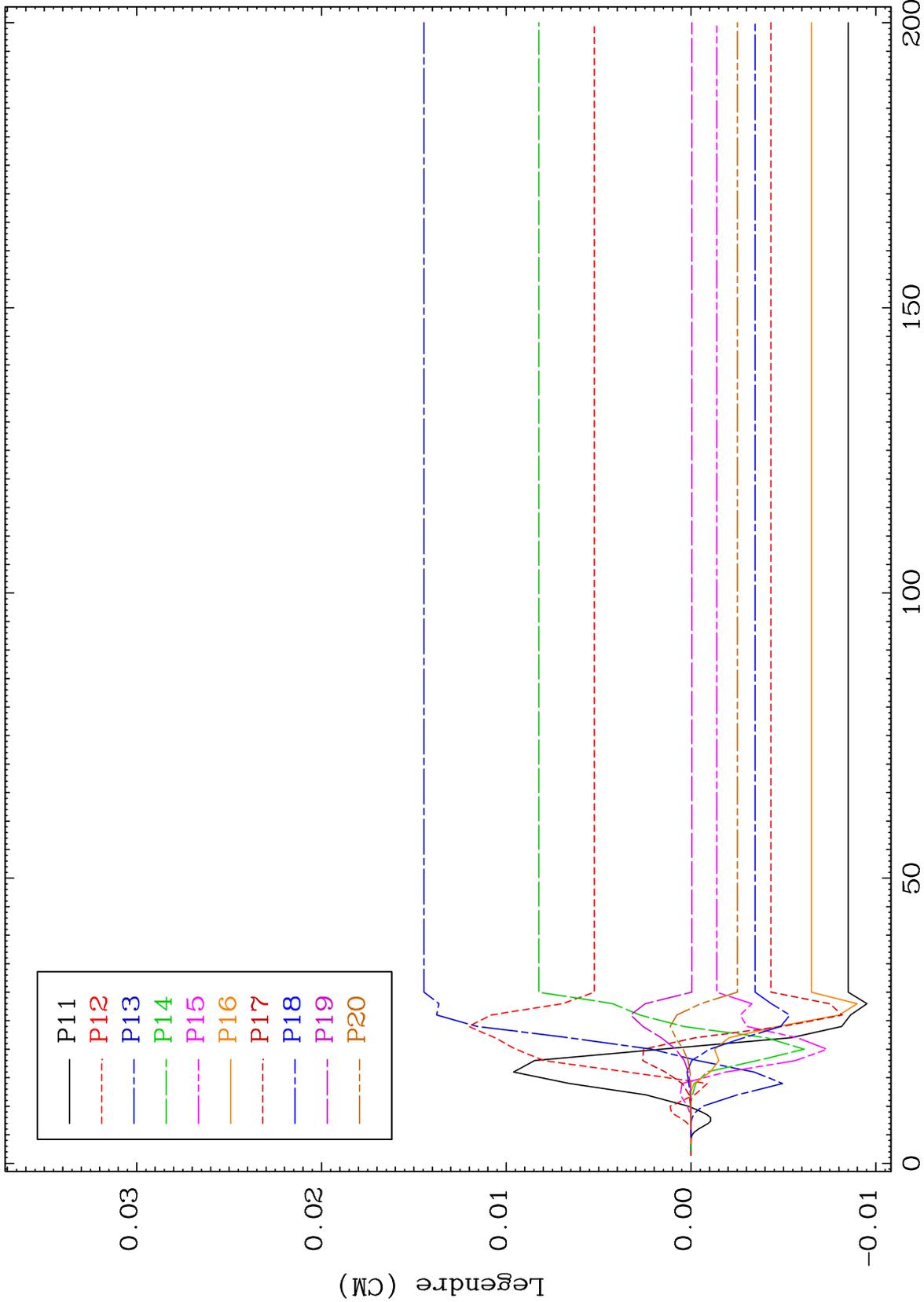
Incident Energy (MeV)

18

MAT 8283

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

83-Bi-195



19

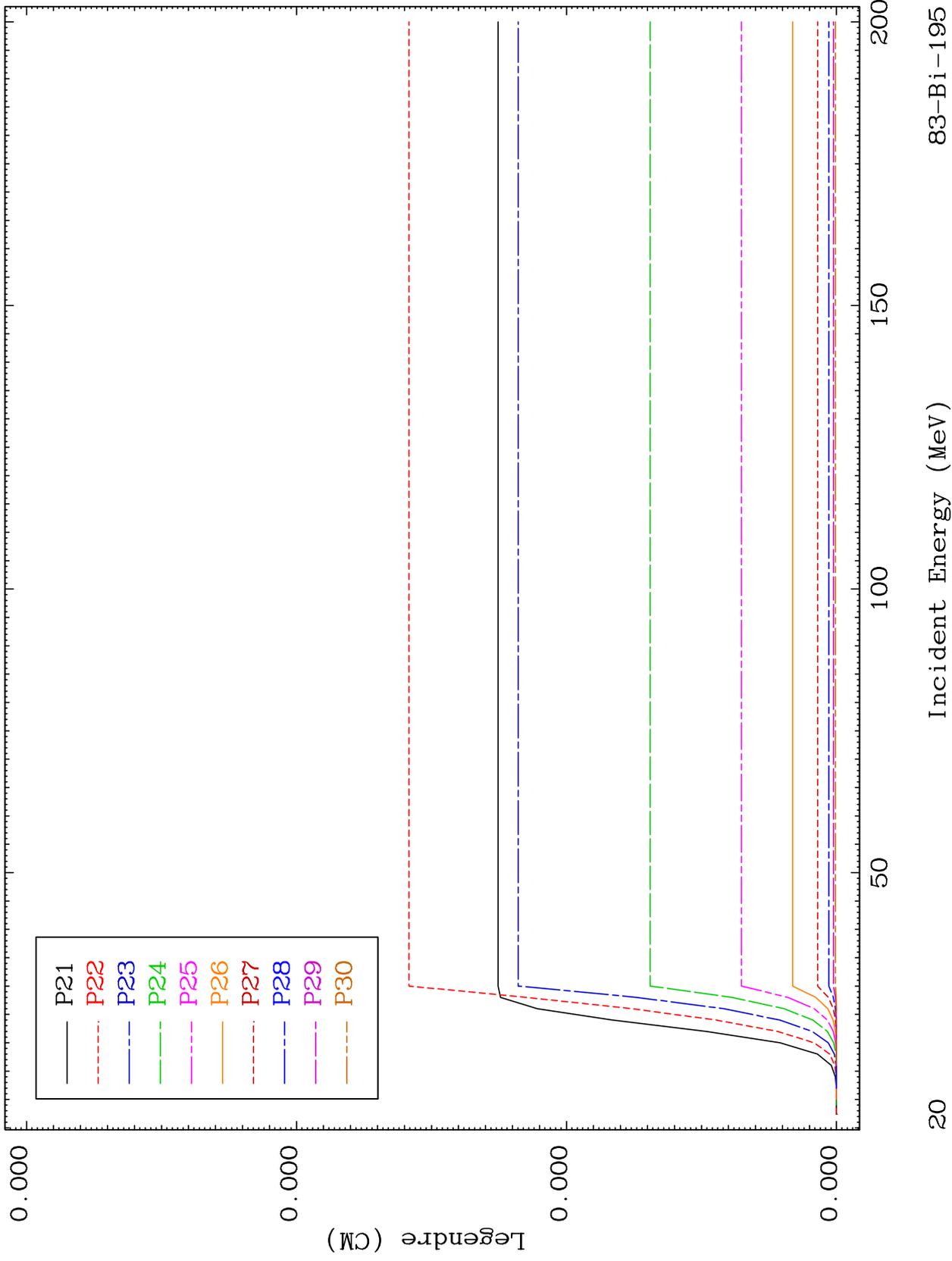
Incident Energy (MeV)

83-Bi-195

MAT 8283

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

83-Bi-195



83-Bi-195

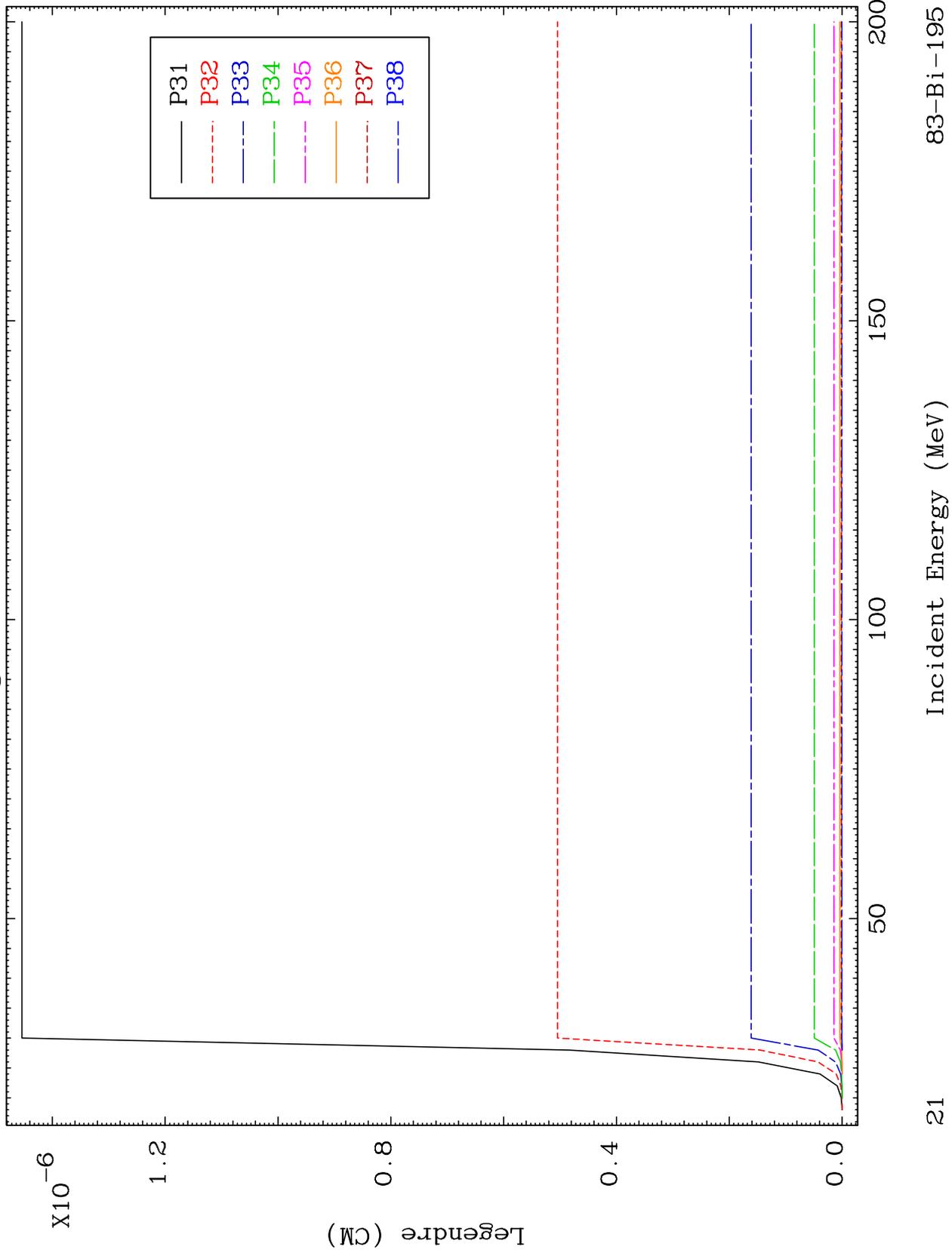
Incident Energy (MeV)

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MAT 8283

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

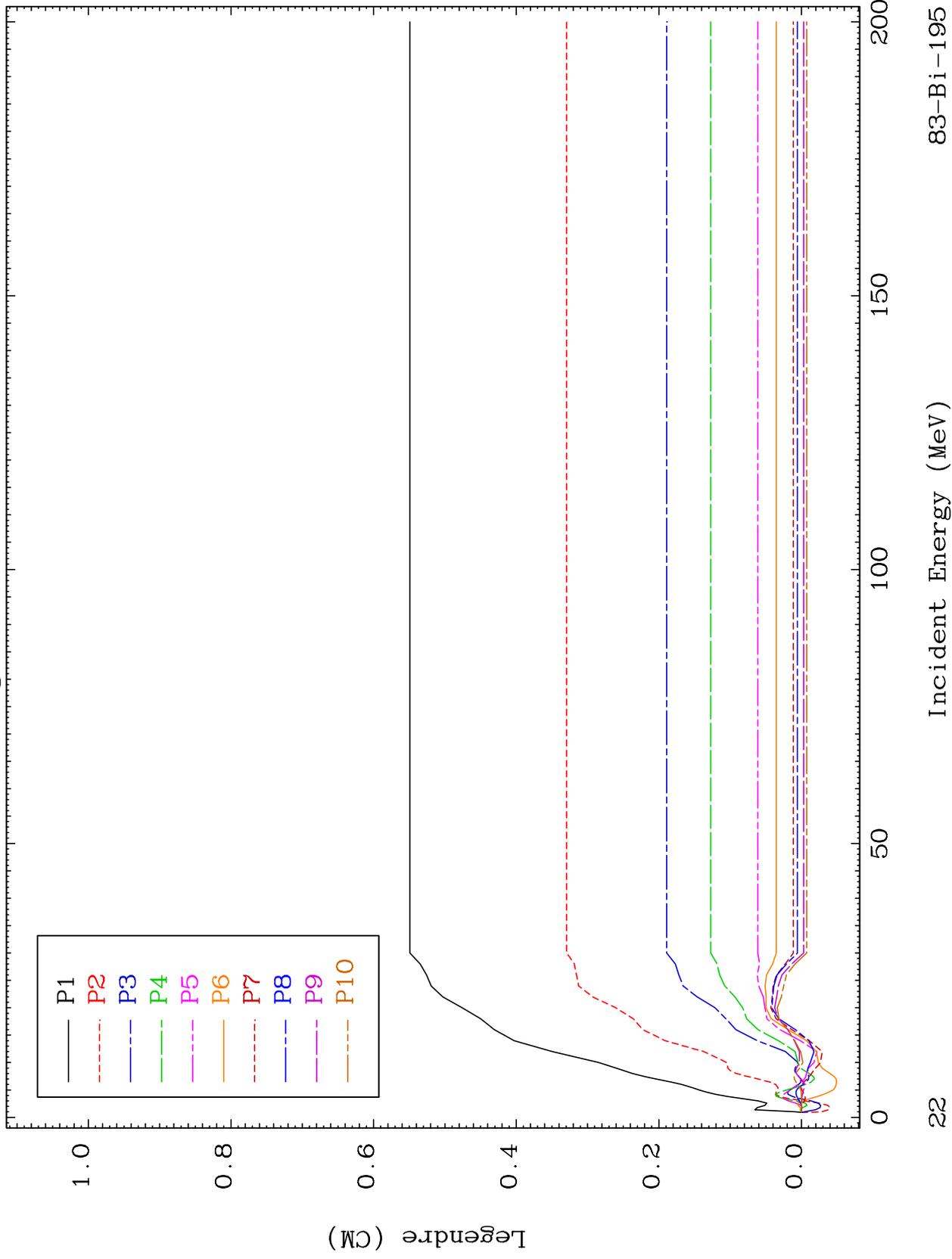
83-Bi-195



MAT 8283

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

83-Bi-195

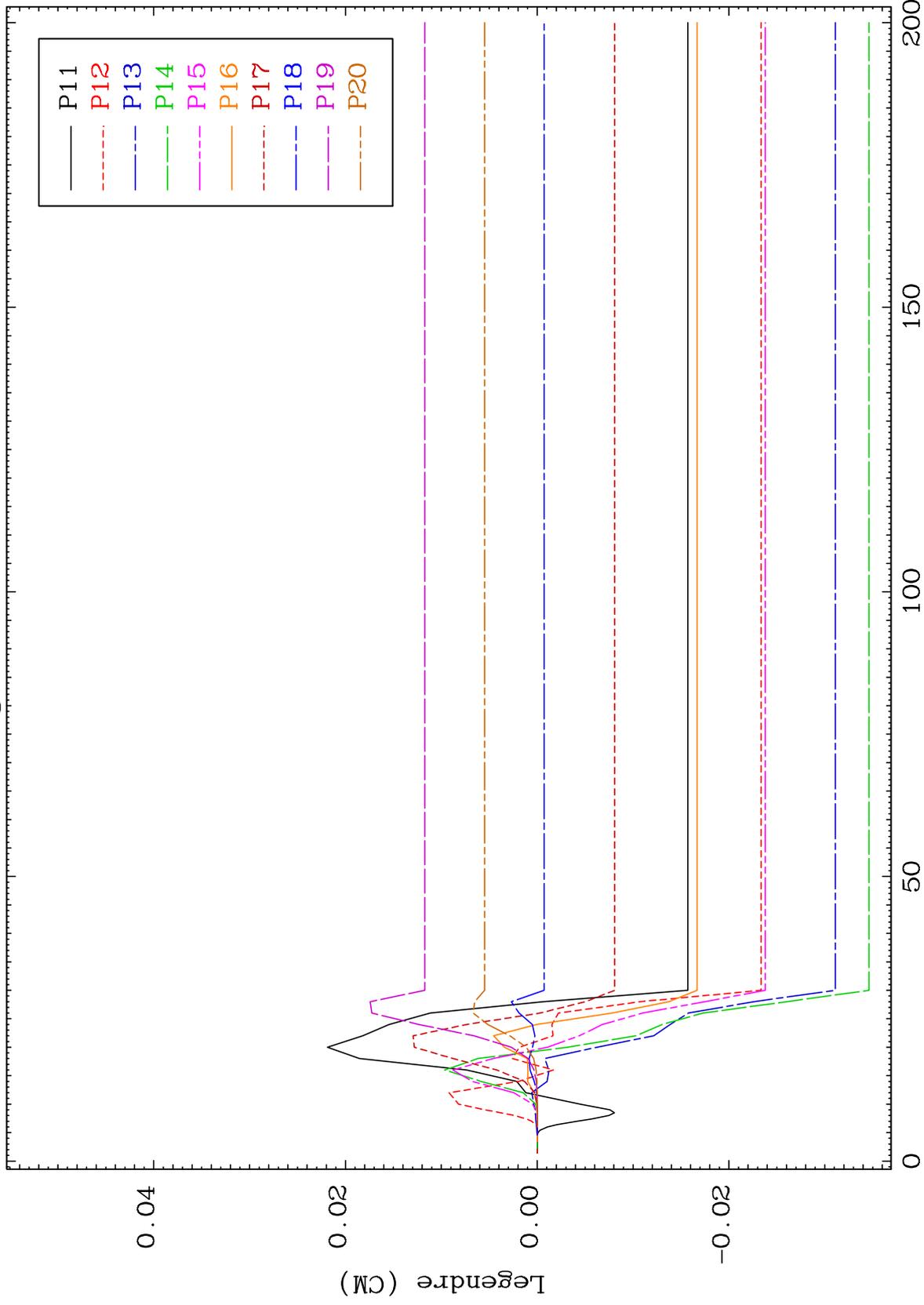


22

MAT 8283

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

83-Bi-195



23

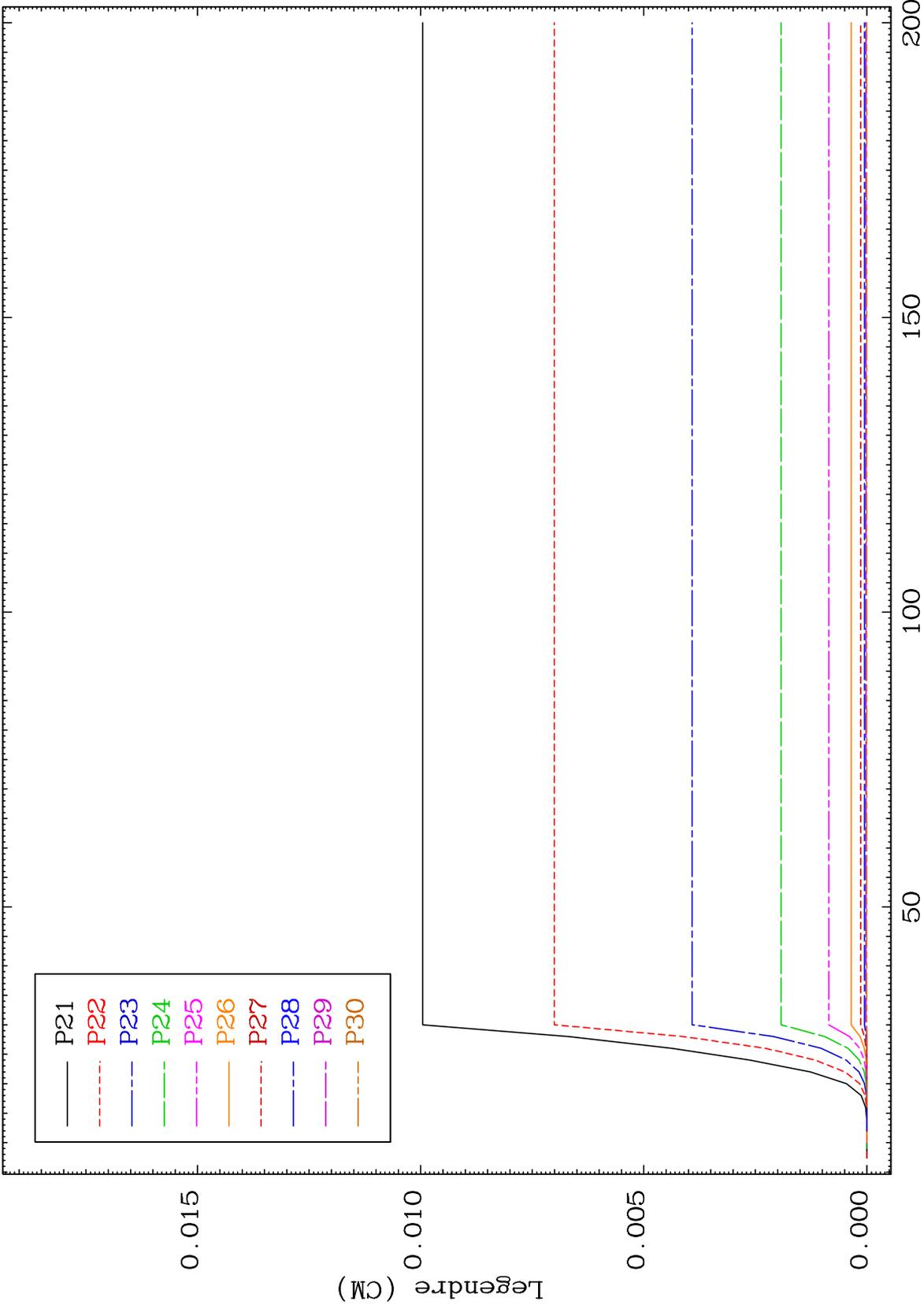
Incident Energy (MeV)

83-Bi-195

MAT 8283

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

83-Bi-195



24

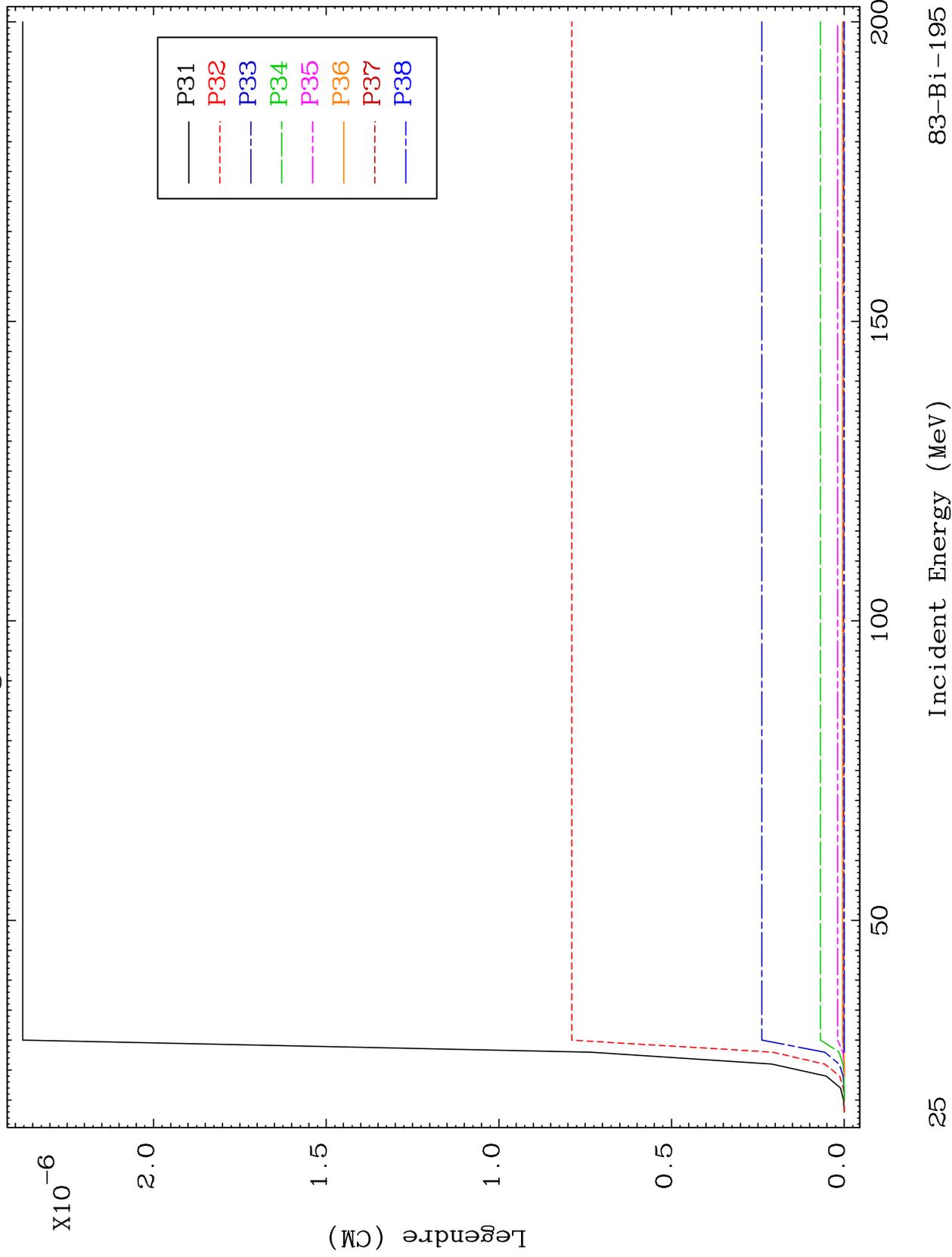
Incident Energy (MeV)

83-Bi-195

MAT 8283

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

83-Bi-195



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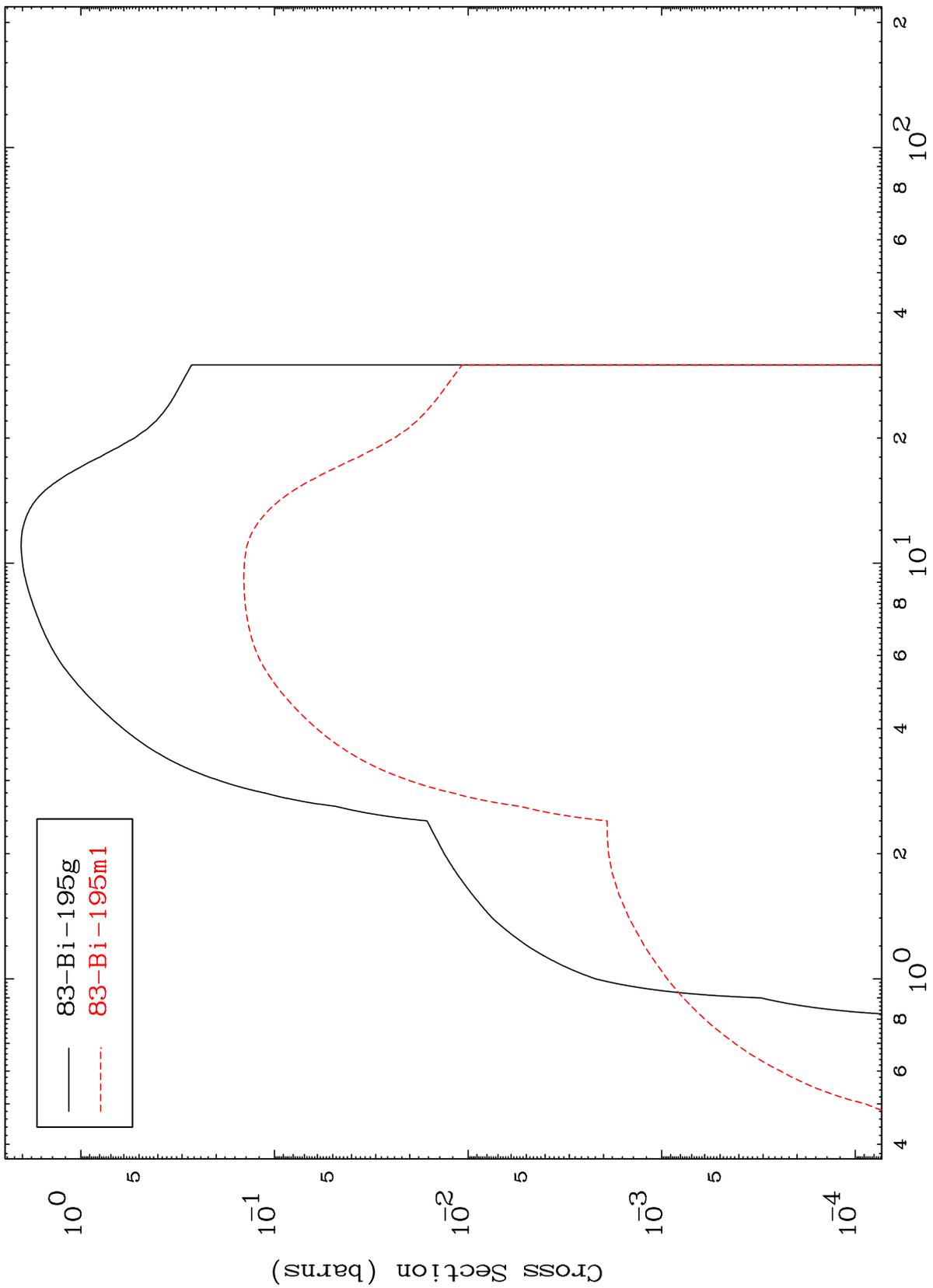
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

Radionuclide Production Cross Section



83-Bi-195

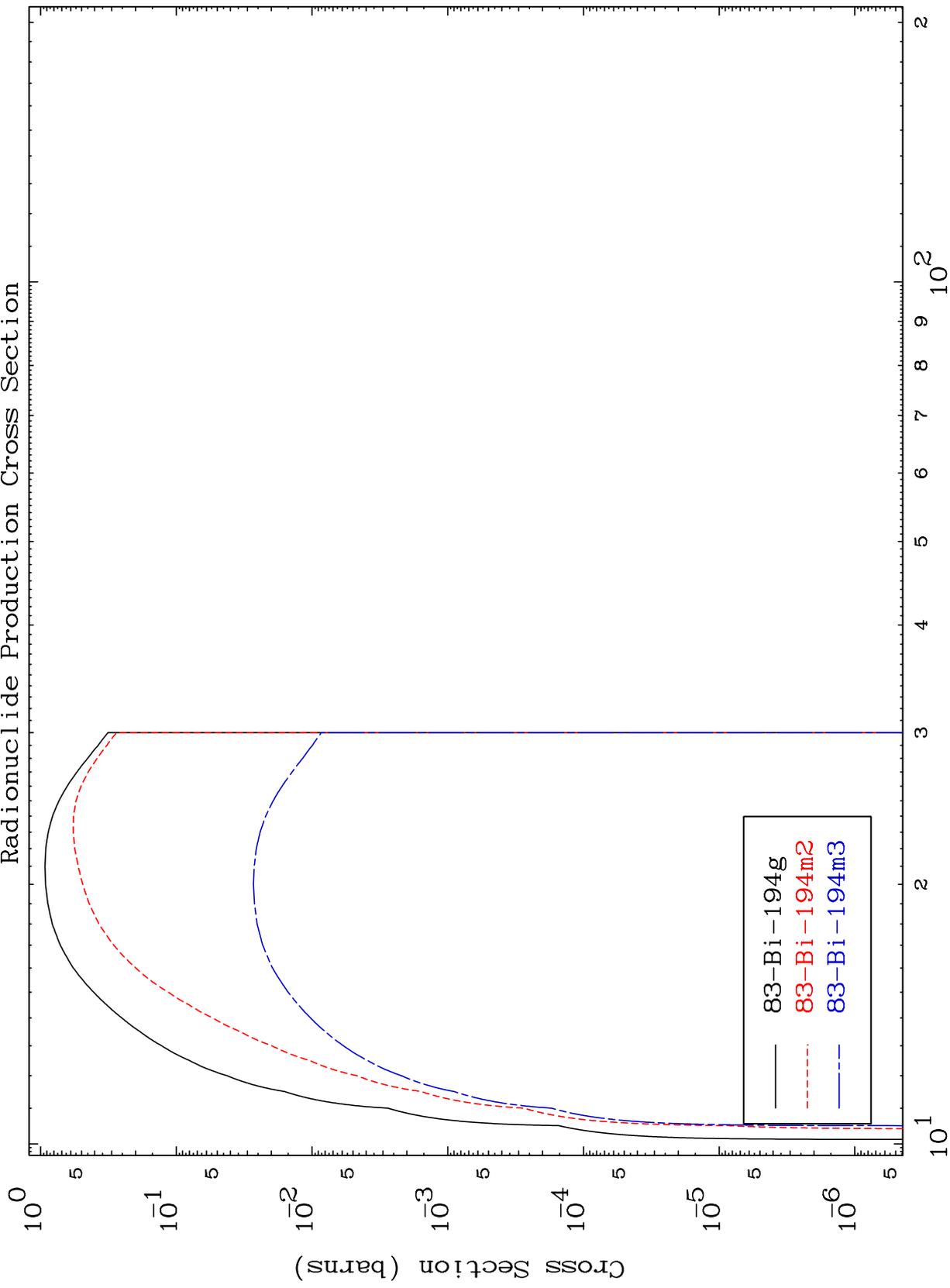
Incident Energy (MeV)

26

MAT 8283

83-Bi-195

Radionuclide Production Cross Section
(n,2n)

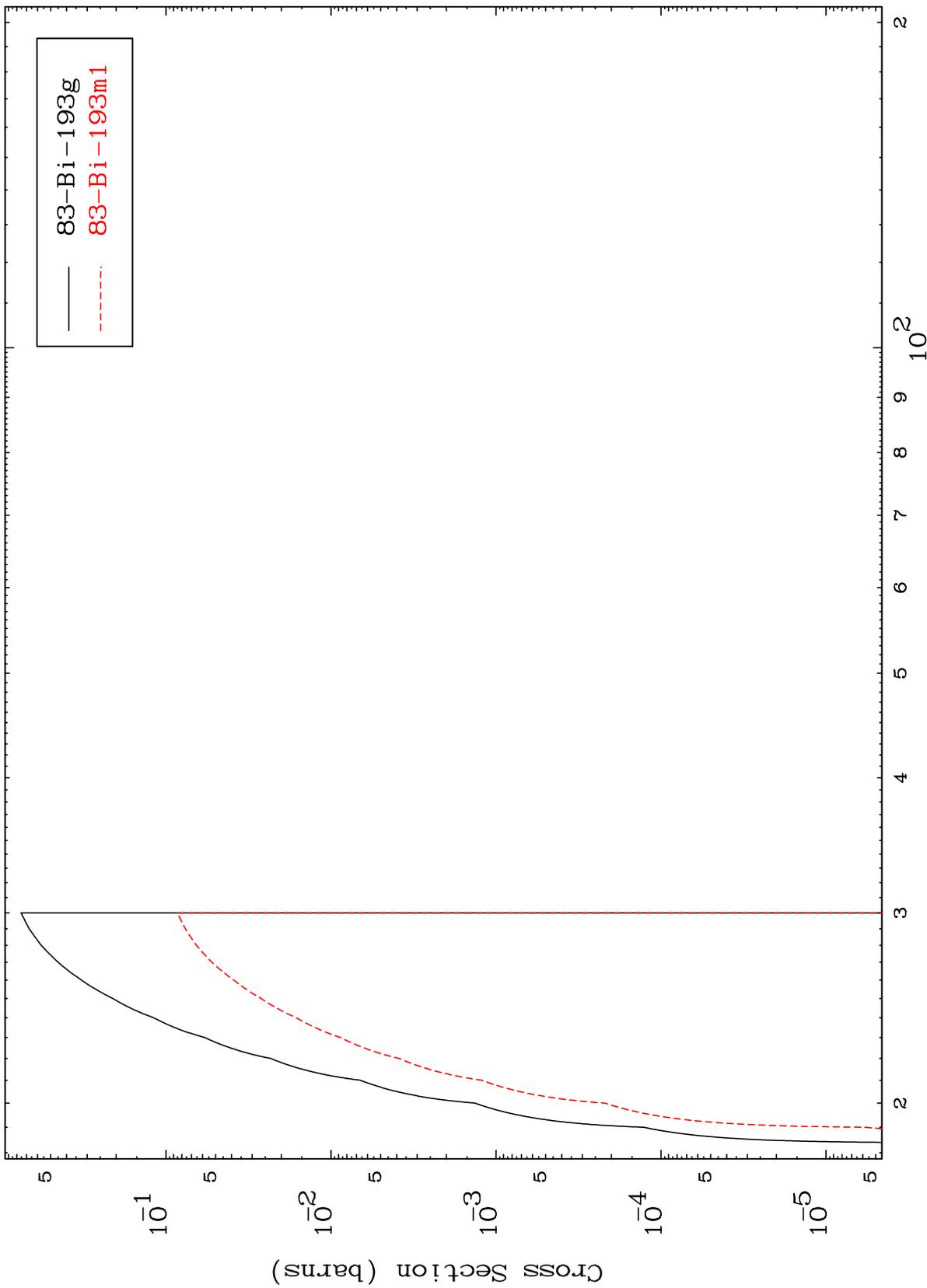


83-Bi-195

Incident Energy (MeV)

27

(n,3n)
Radionuclide Production Cross Section

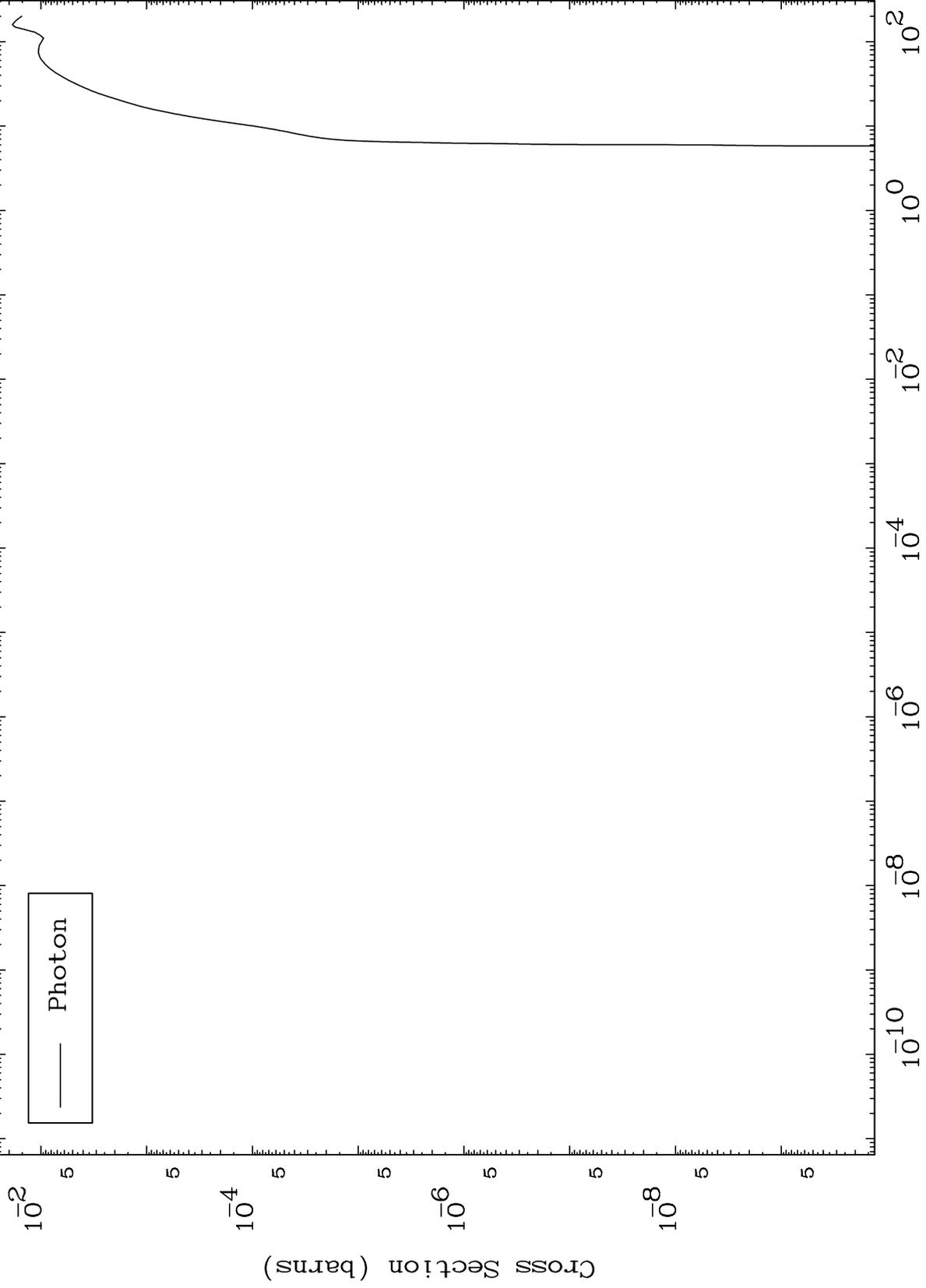


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Fission

83-Bi-195

Radionuclide Production Cross Section



29

Incident Energy (MeV)

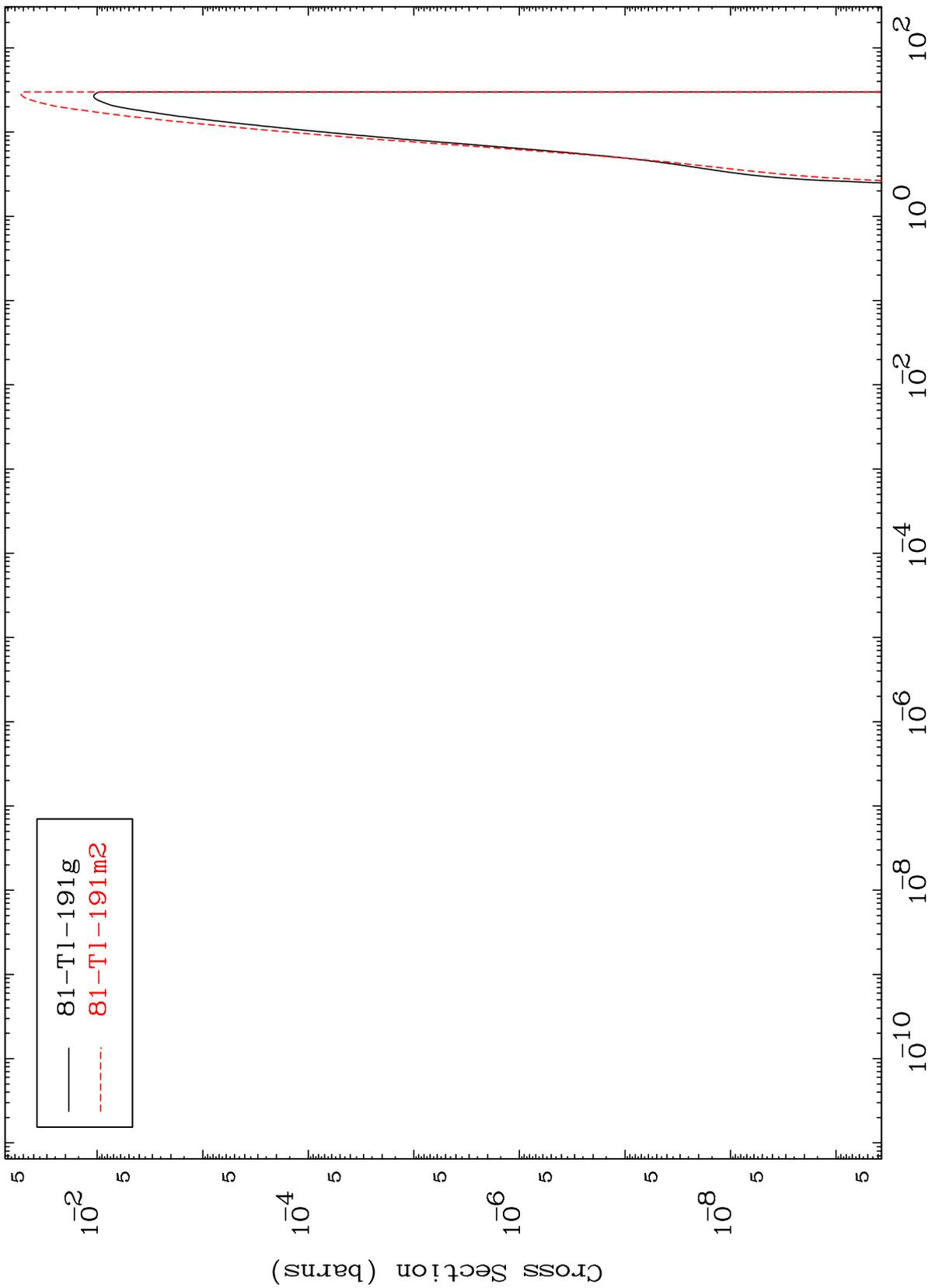
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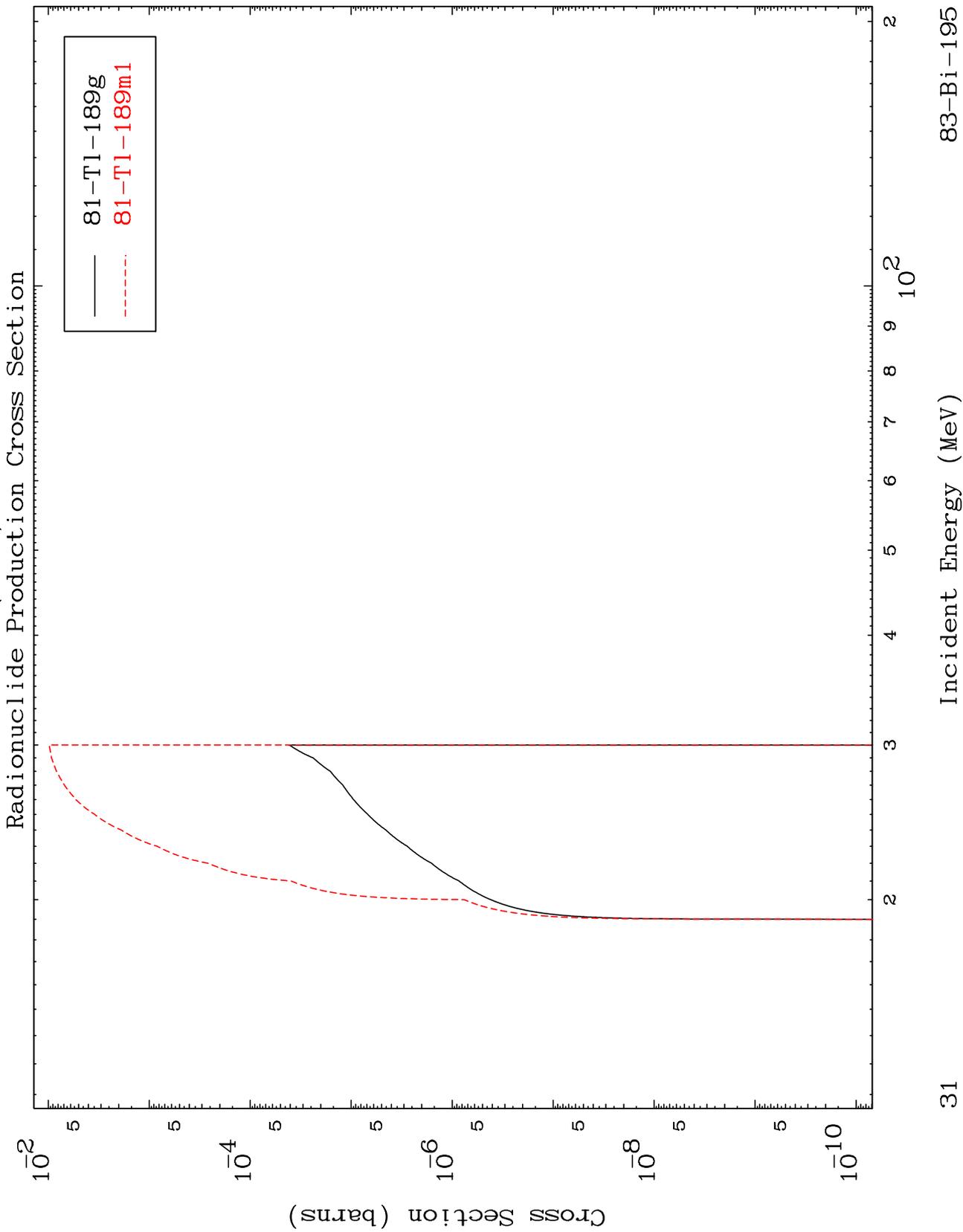
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(n, n') α

83-Bi-195

Radionuclide Production Cross Section



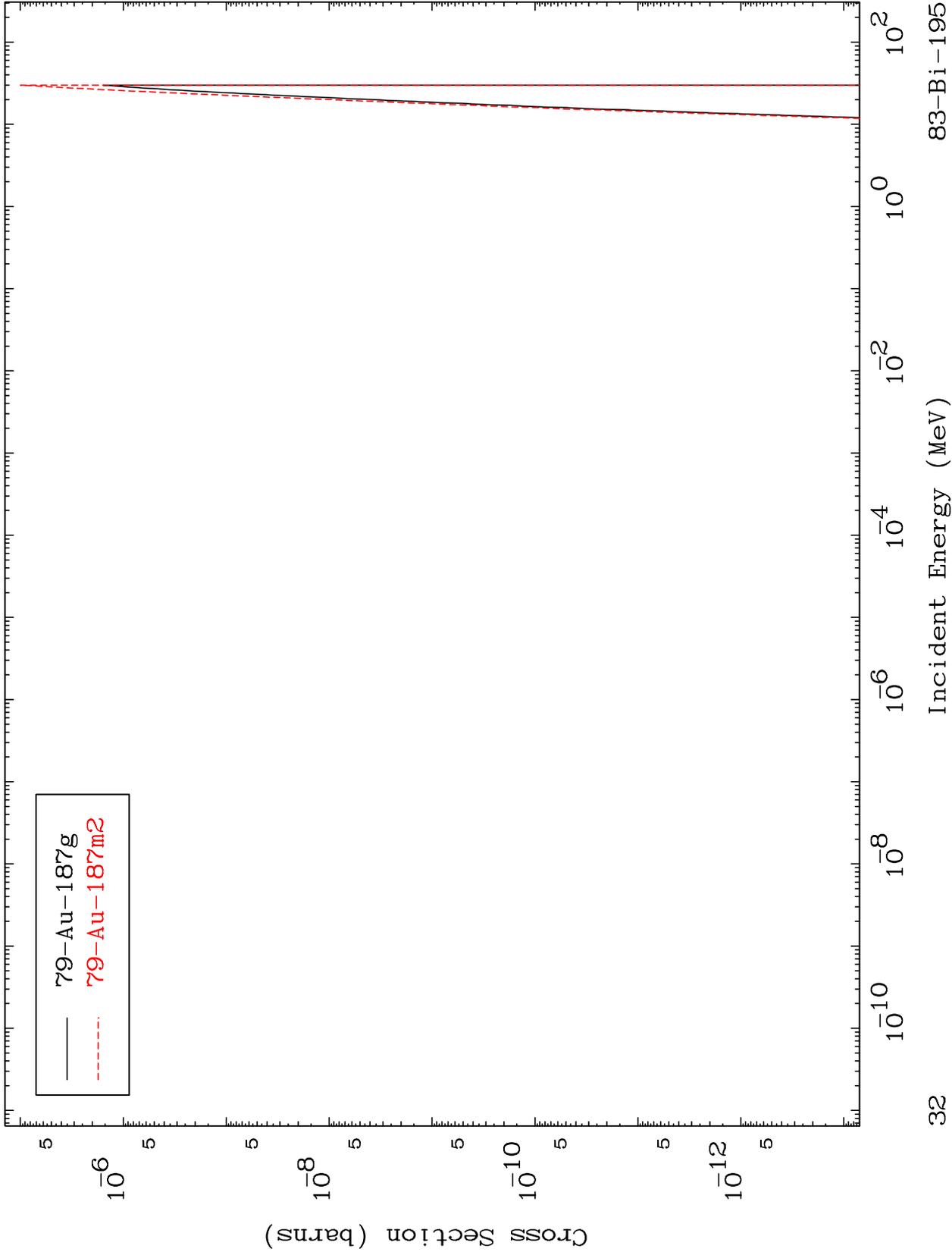


MAT 8283

(n,n') 2 α

83-Bi-195

Radionuclide Production Cross Section

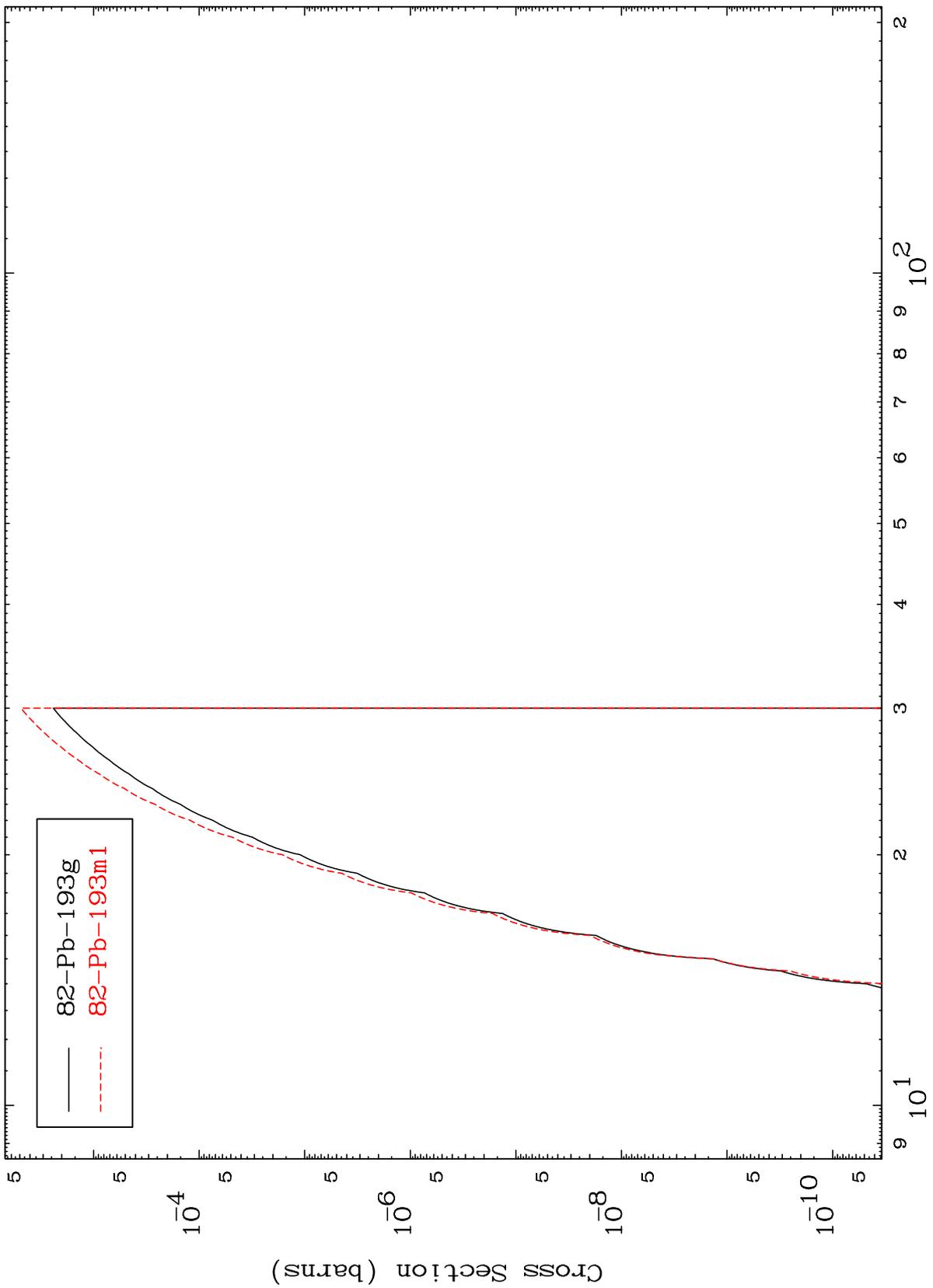


MAT 8283

(n,n') d

83-Bi-195

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-195

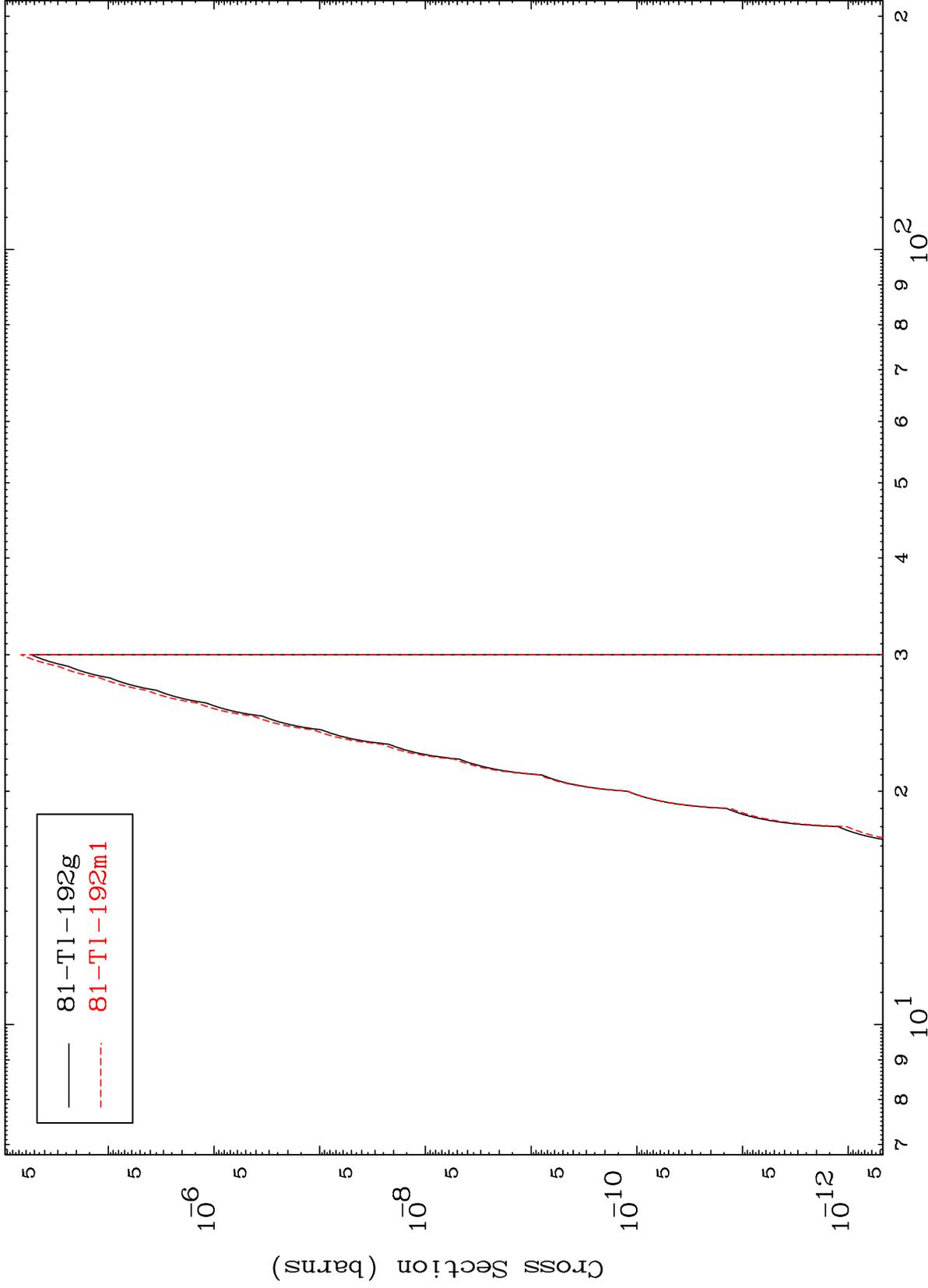
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MAT 8283

(n,n') He-3

83-Bi-195

Radionuclide Production Cross Section



34

Incident Energy (MeV)

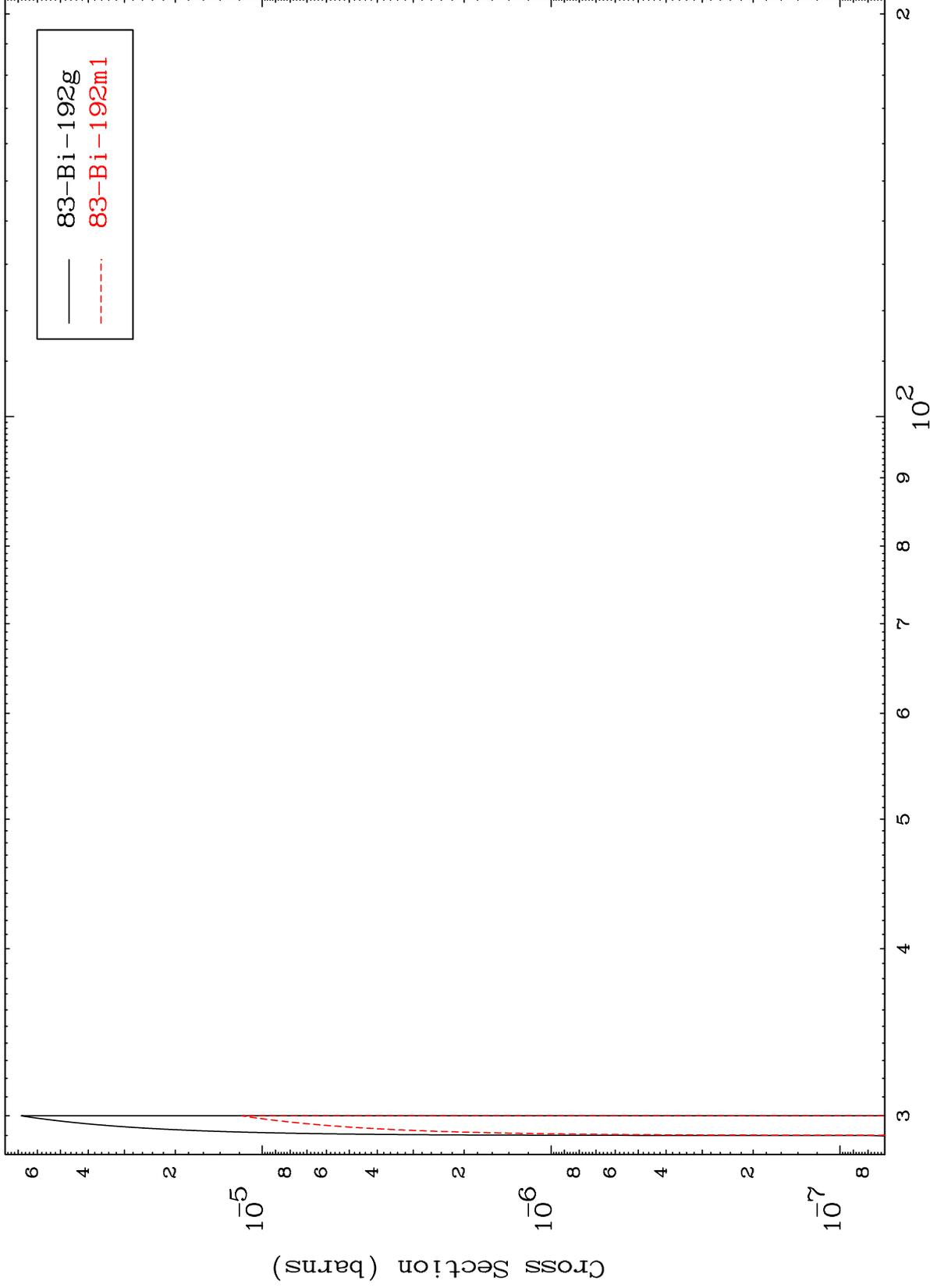
83-Bi-195

MAT 8283

(n,4n)

83-Bi-195

Radionuclide Production Cross Section



35

Incident Energy (MeV)

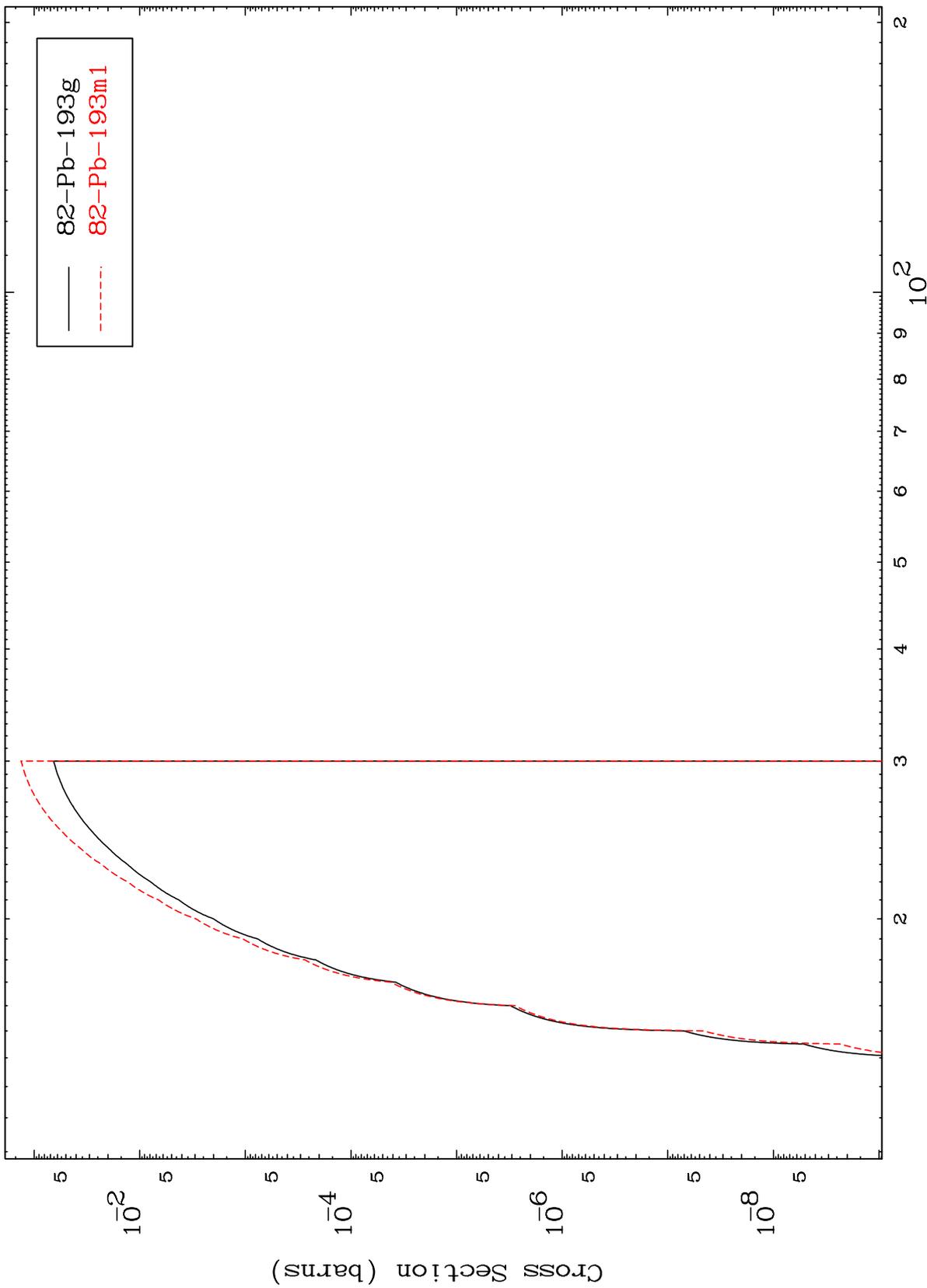
83-Bi-195

MAT 8283

(n,2n) p

83-Bi-195

Radionuclide Production Cross Section



36

Incident Energy (MeV)

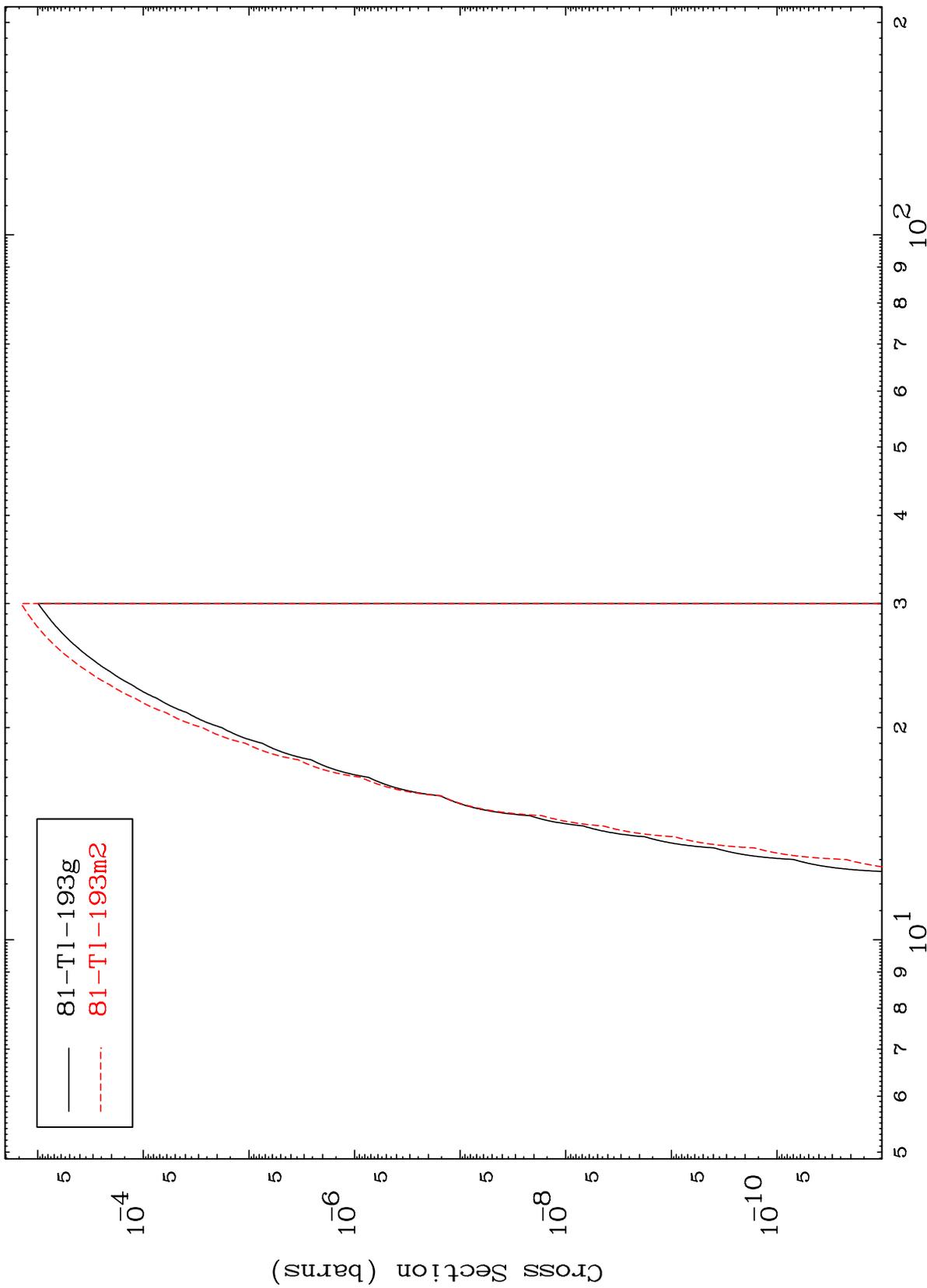
83-Bi-195

MAT 8283

83-Bi-195

(n,2n) p

Radionuclide Production Cross Section



81-Tl-193g
81-Tl-193m2

37

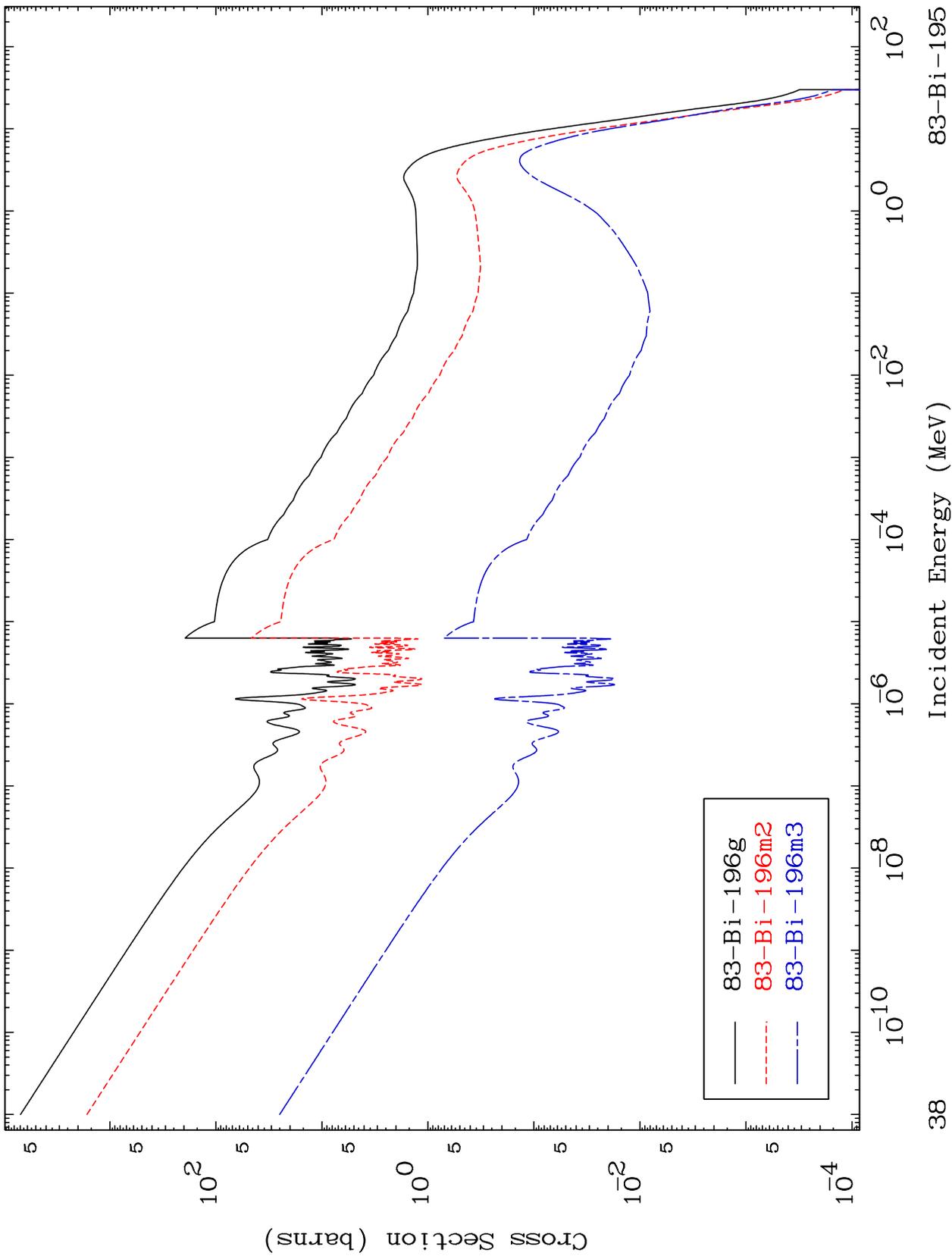
Incident Energy (MeV)

83-Bi-195

MAT 8283

⁸³Bi-195

(n,γ)
Radionuclide Production Cross Section

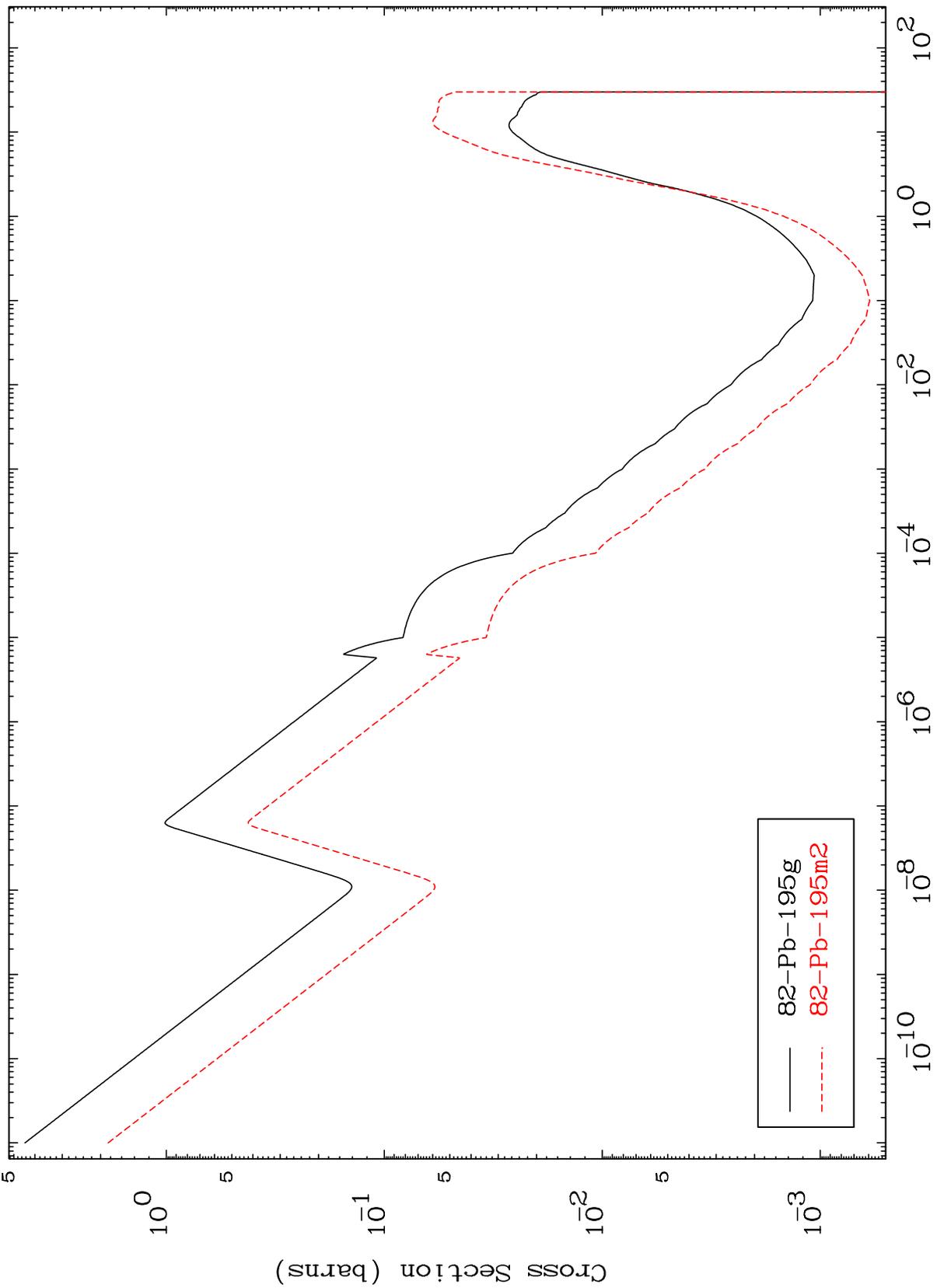


MAT 8283

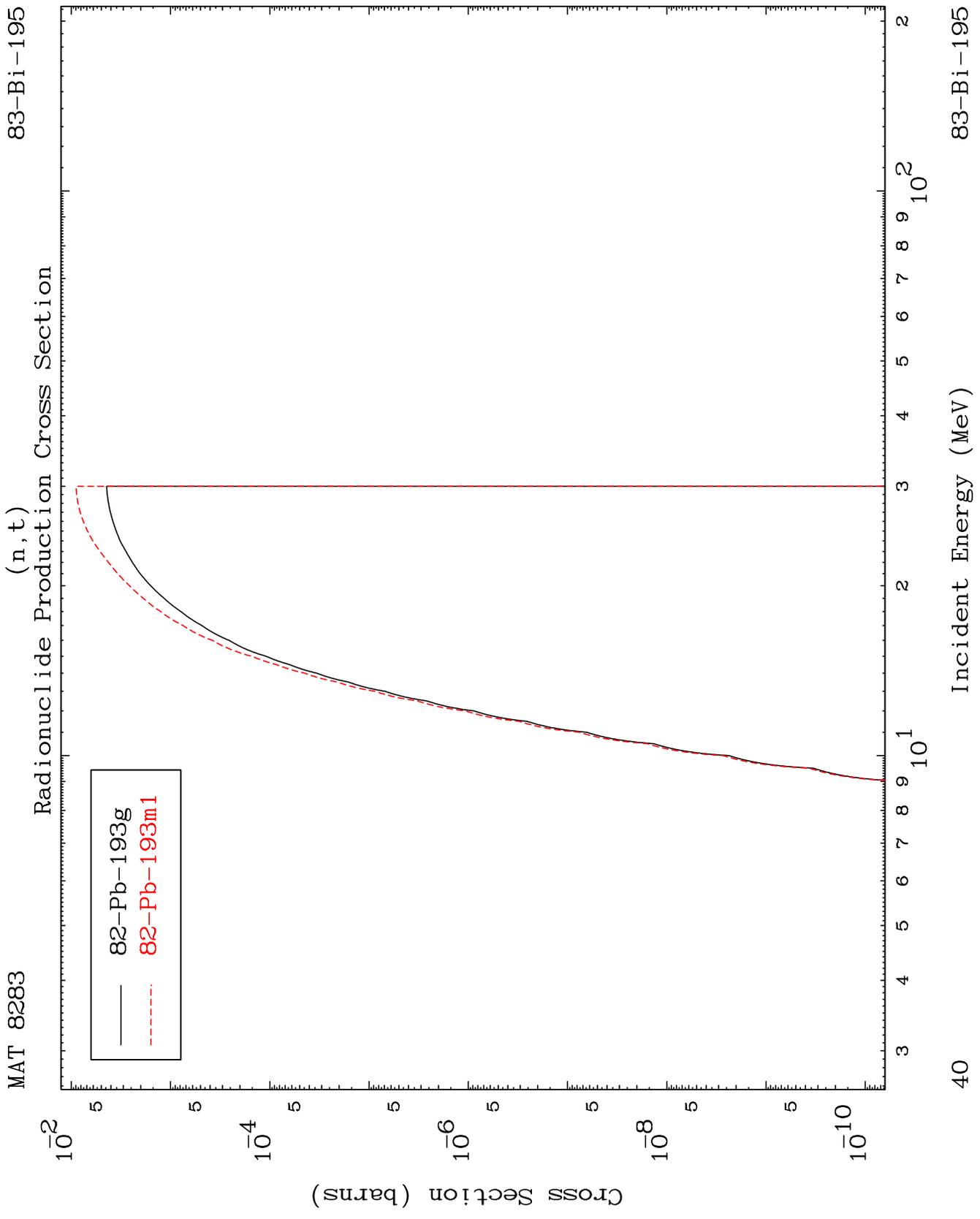
83-Bi-195

Radionuclide Production Cross Section

(n,p)



— 82-Pb-195g
- - - 82-Pb-195m2

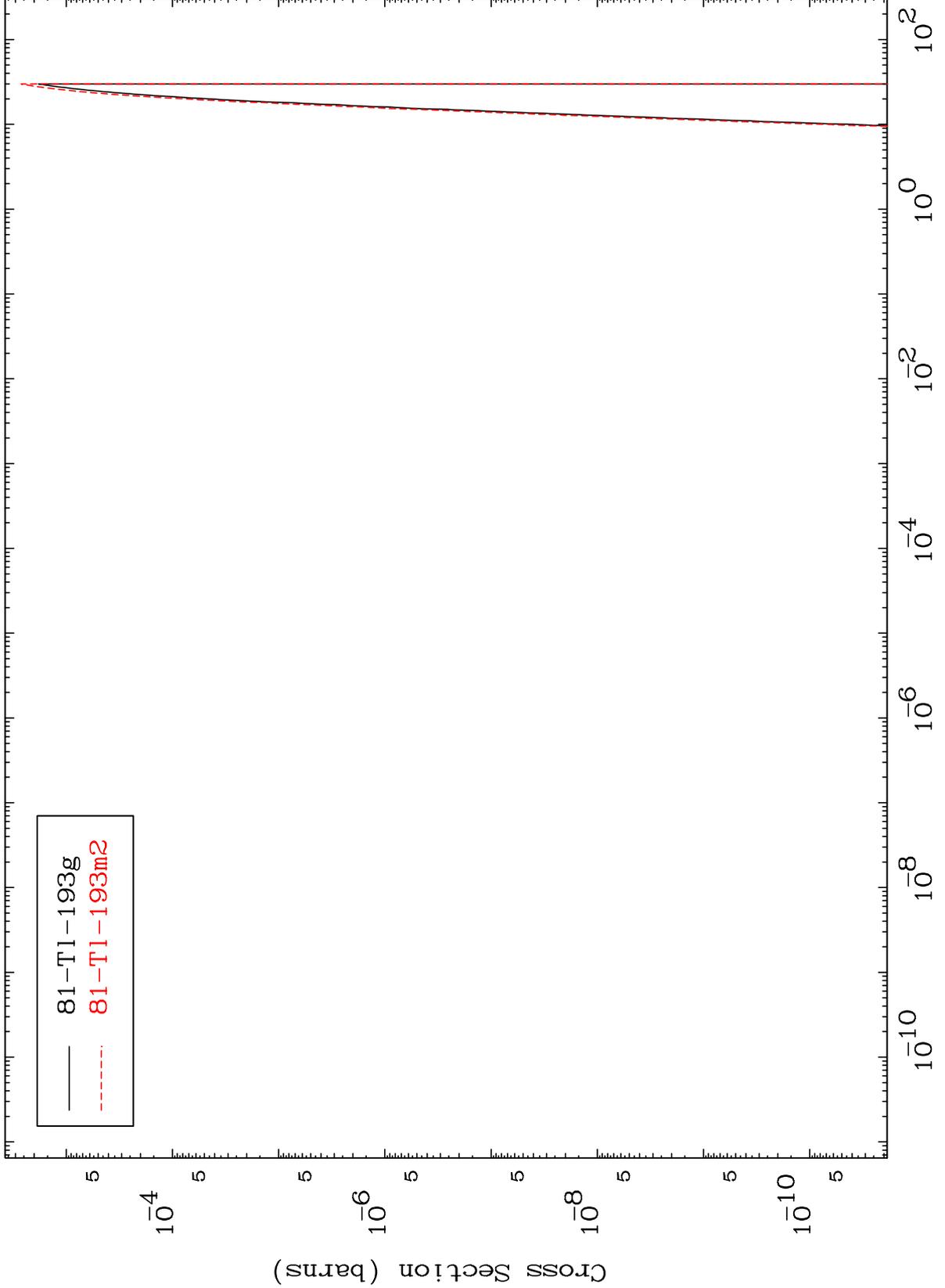


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(n,He-3)

83-Bi-195

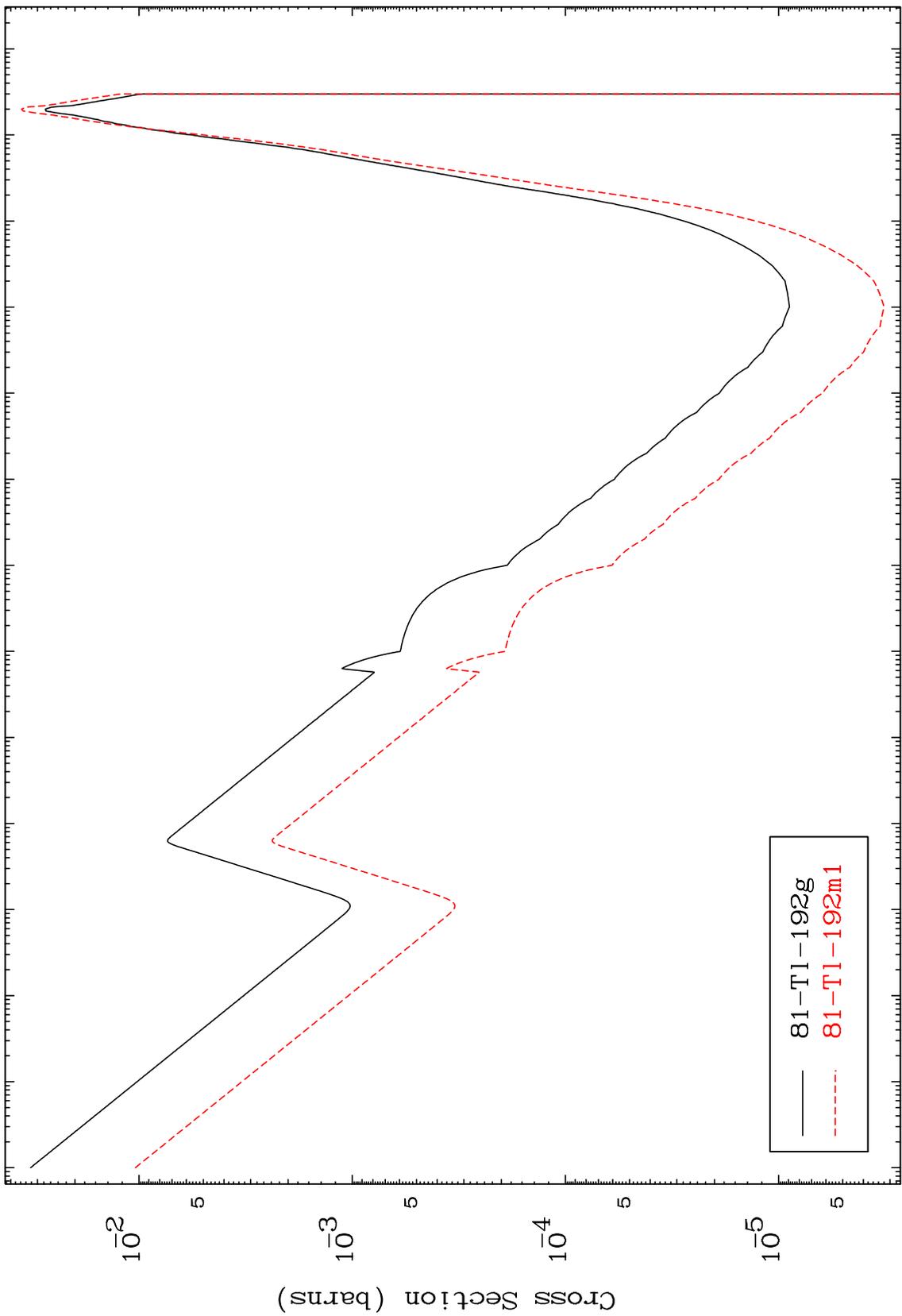
Radionuclide Production Cross Section



MAT 8283

83-Bi-195

(n, α)
Radionuclide Production Cross Section



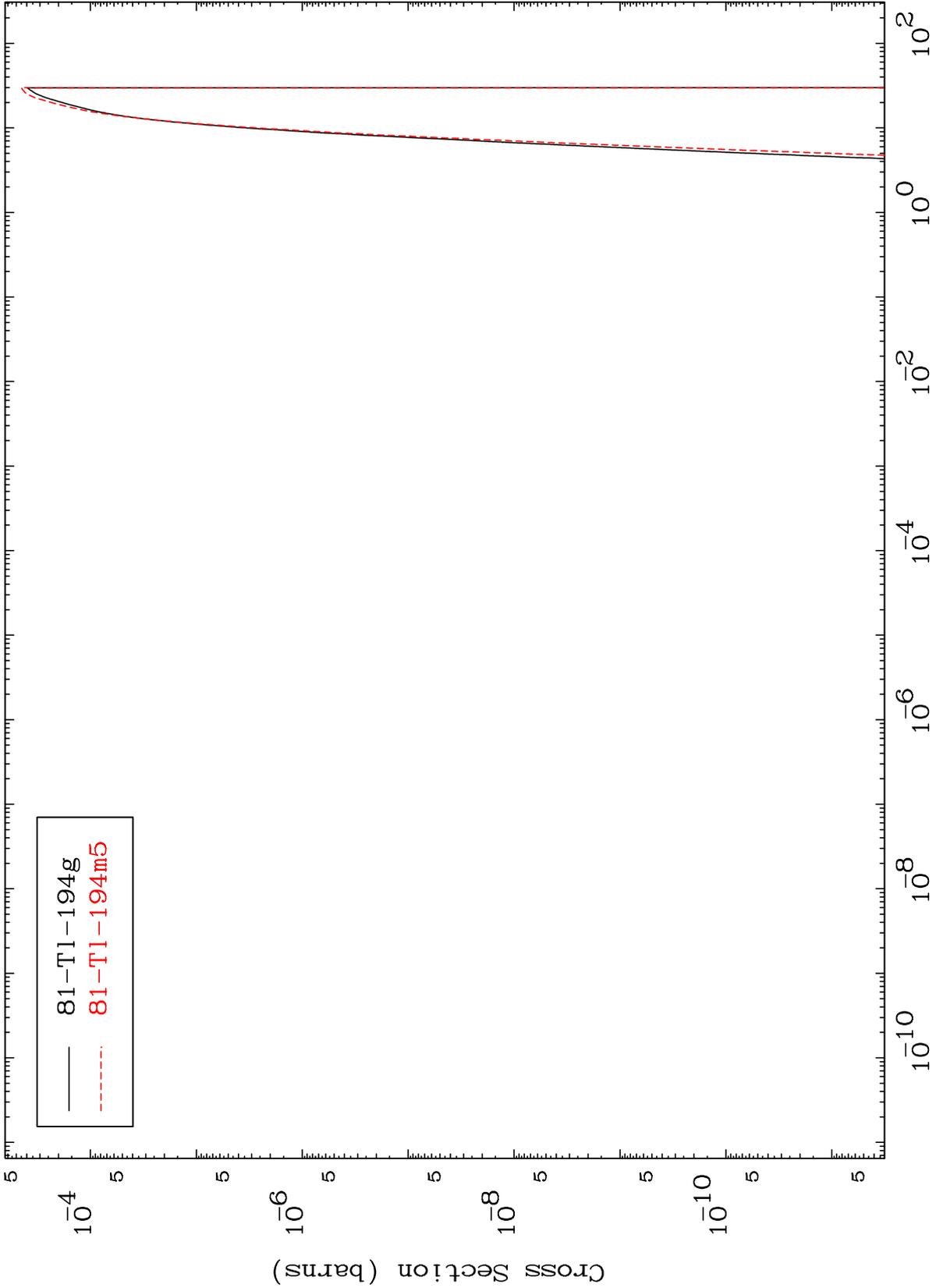
Incident Energy (MeV)

MAT 8283

(n,2p)

83-Bi-195

Radionuclide Production Cross Section

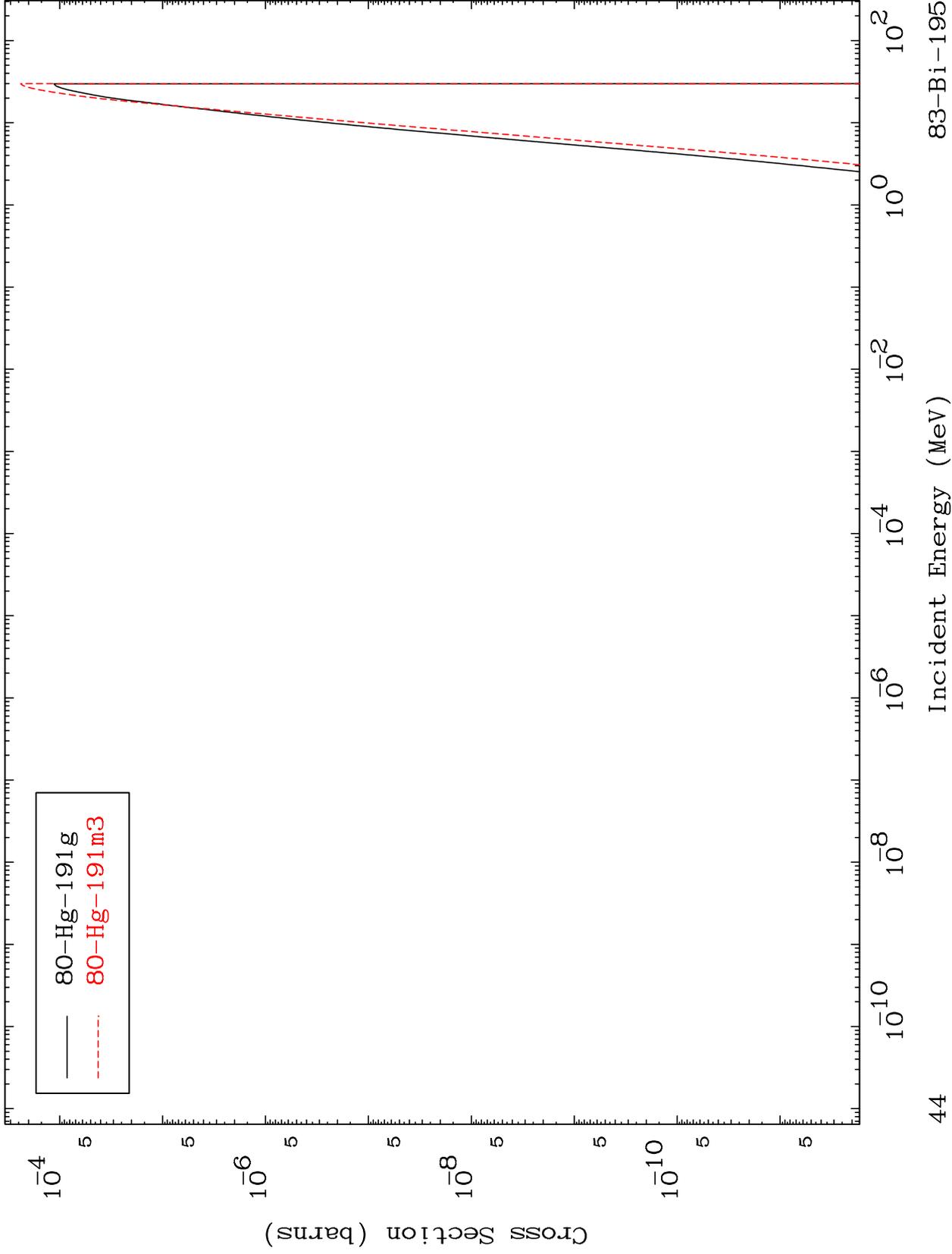


MAT 8283

(n,p) α

83-Bi-195

Radionuclide Production Cross Section

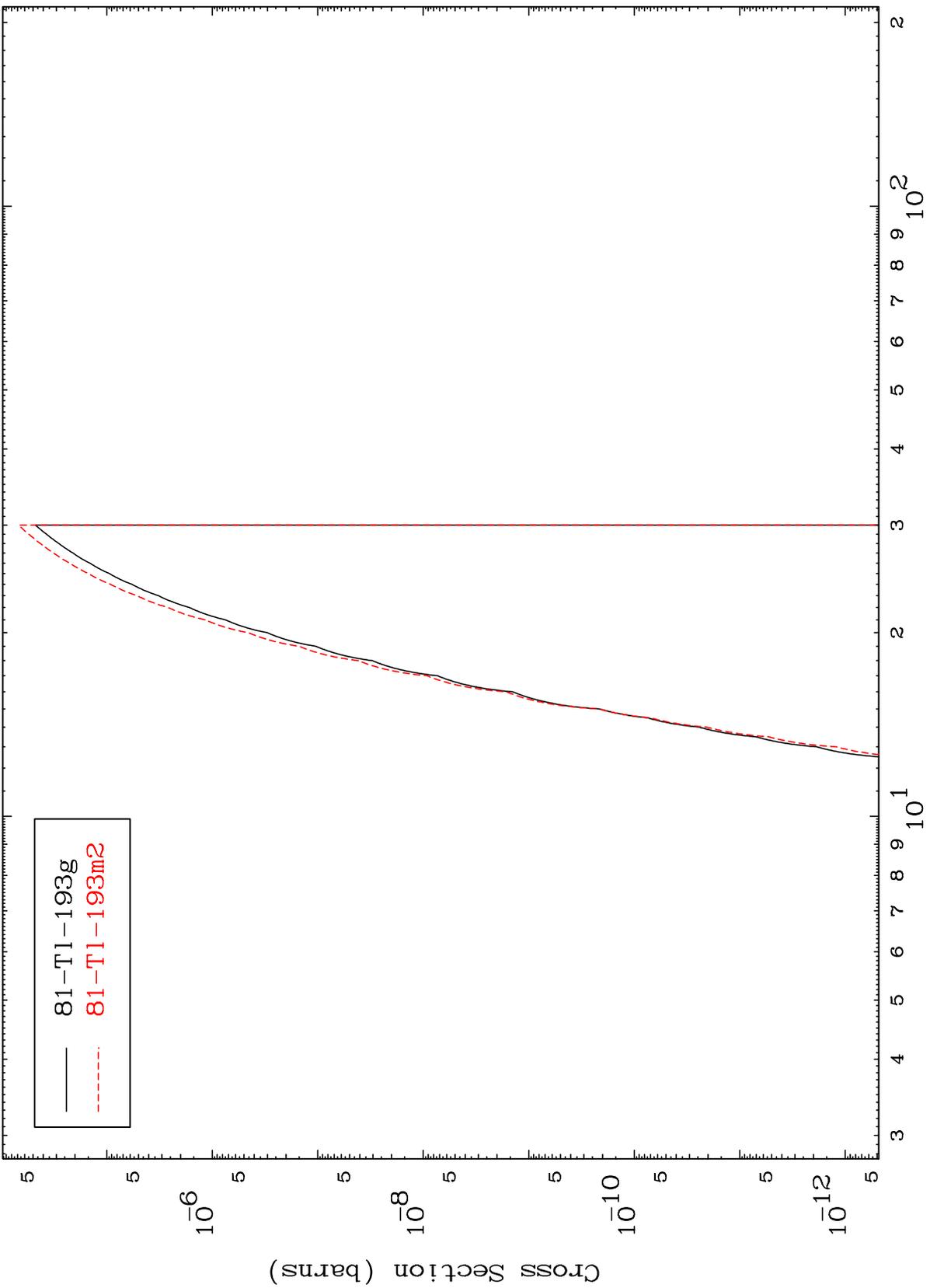


MAT 8283

(n,p) d

83-Bi-195

Radionuclide Production Cross Section



81-Tl-193g
81-Tl-193m2

45

Incident Energy (MeV)

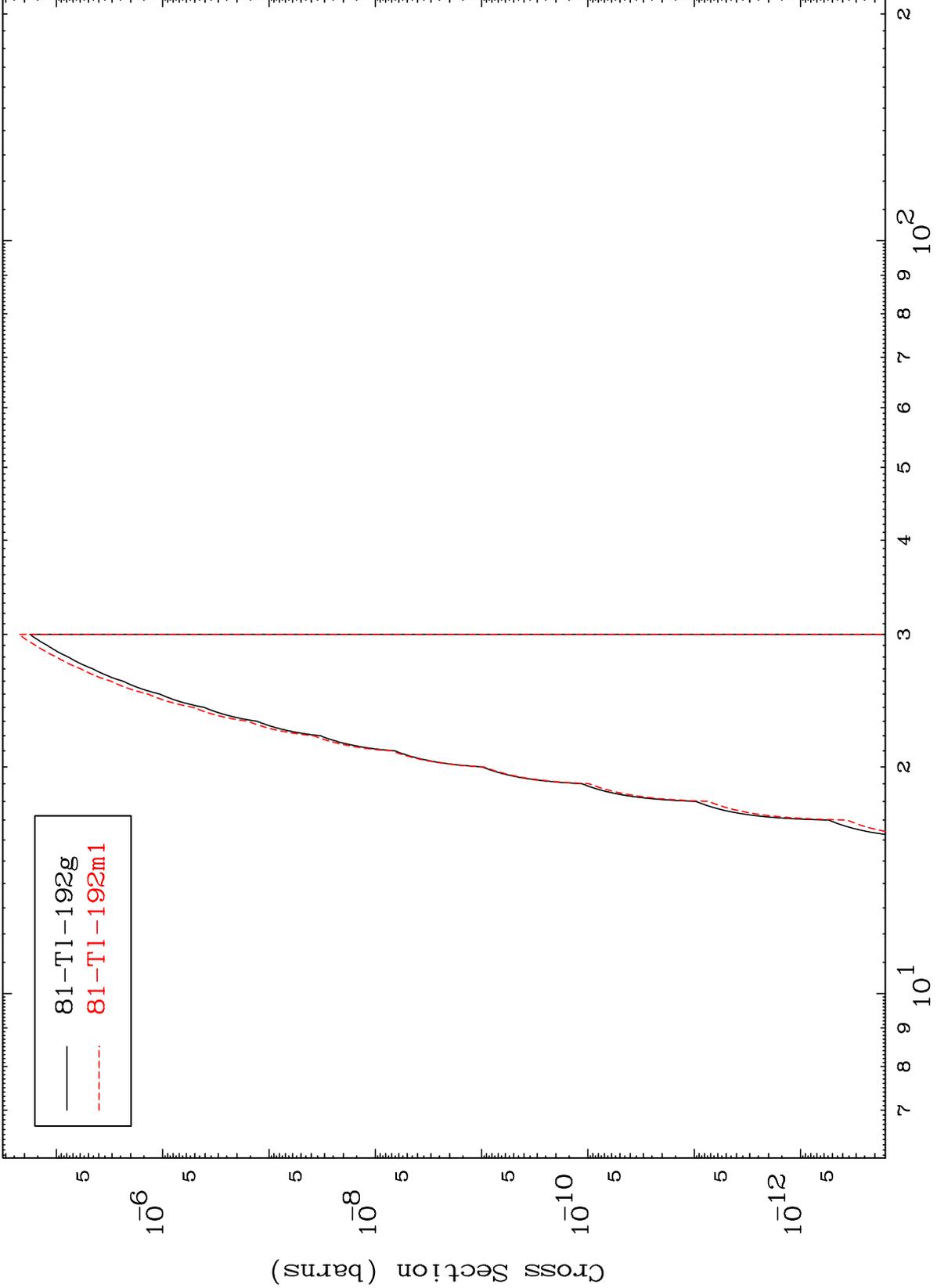
83-Bi-195

MAT 8283

(n,p) t

83-Bi-195

Radionuclide Production Cross Section



81-Tl-192g
81-Tl-192m1