

Program EVALPLOT
(Version 2021-1)

by

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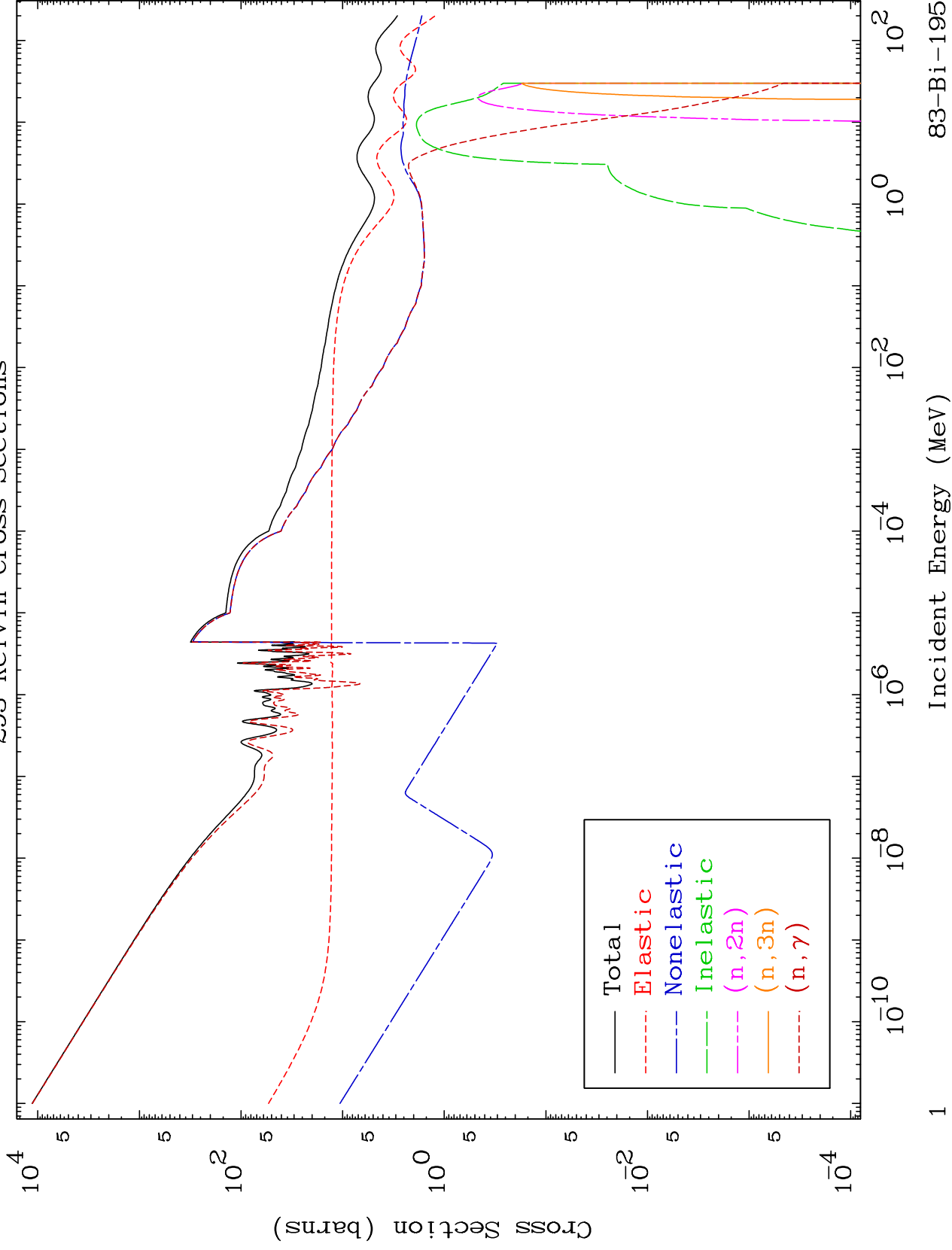
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8283

Neutron Major
293 Kelvin Cross Sections

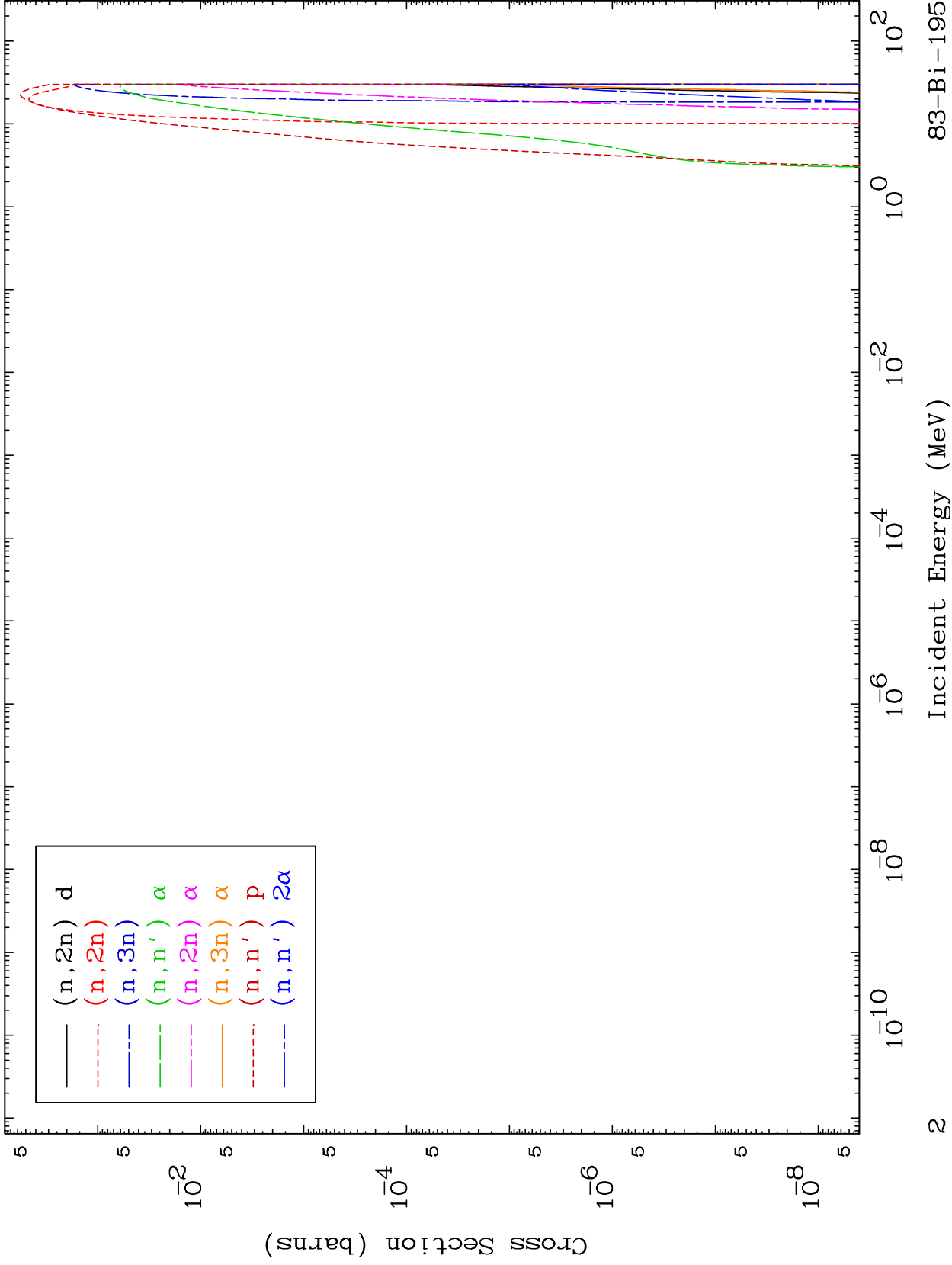
83-Bi-195



MAT 8283

Neutron Absorption
293 Kelvin Cross Sections

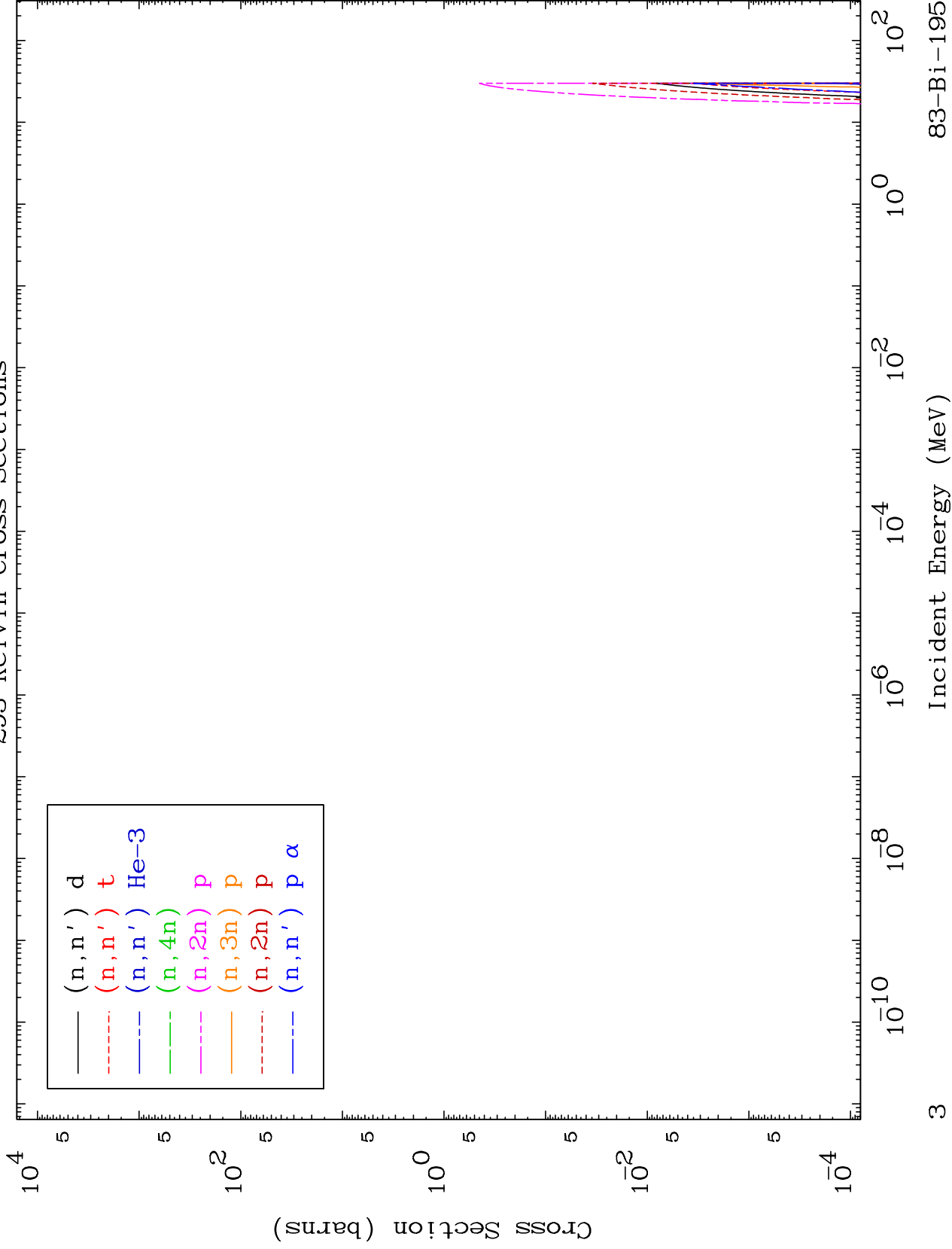
83-Bi-195



MAT 8283

Neutron Absorption
293 Kelvin Cross Sections

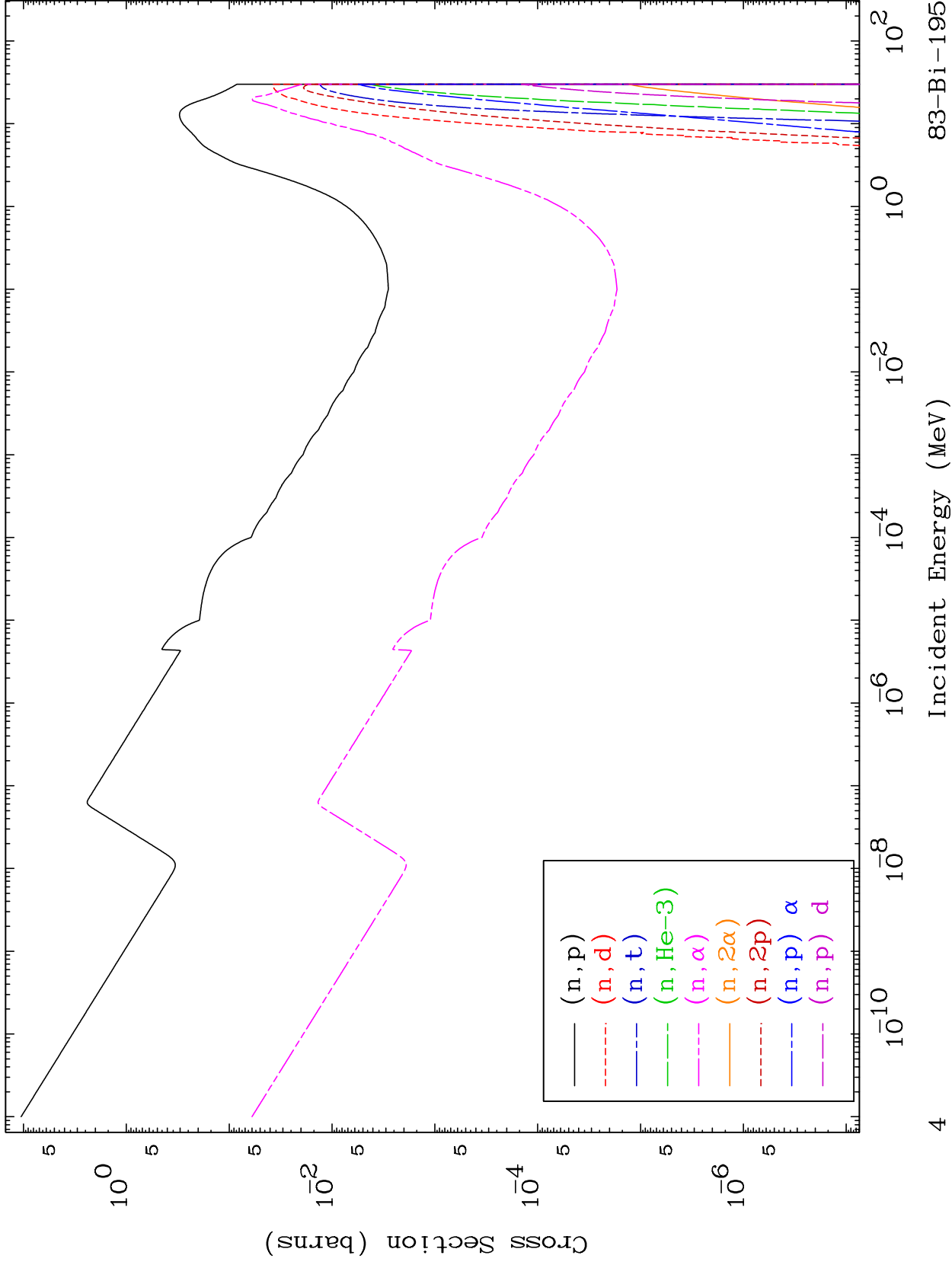
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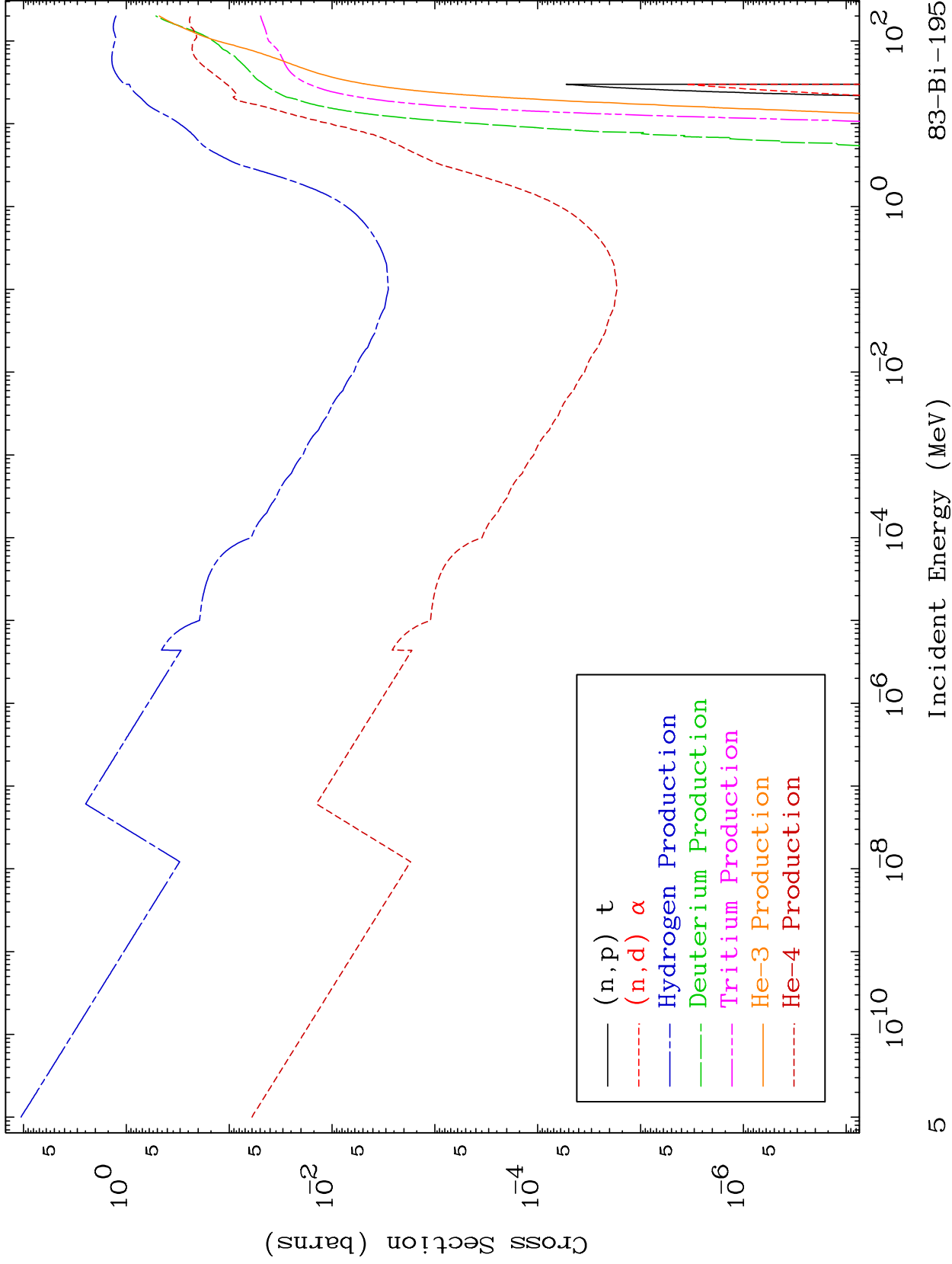


MAT 8283

Neutron Absorption
293 Kelvin Cross Sections

83-Bi-195

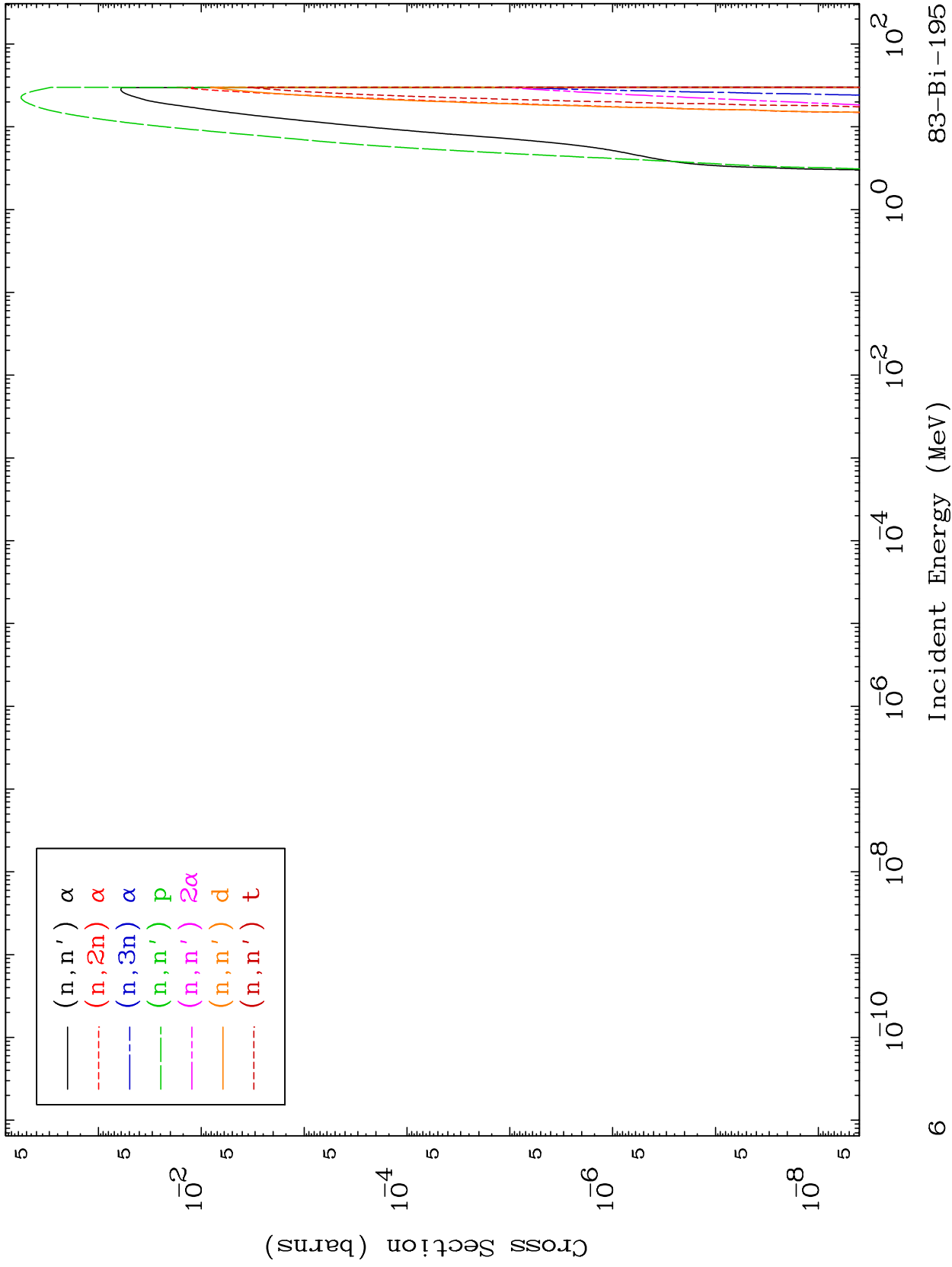




MAT 8283

Charged Particle
293 Kelvin Cross Sections

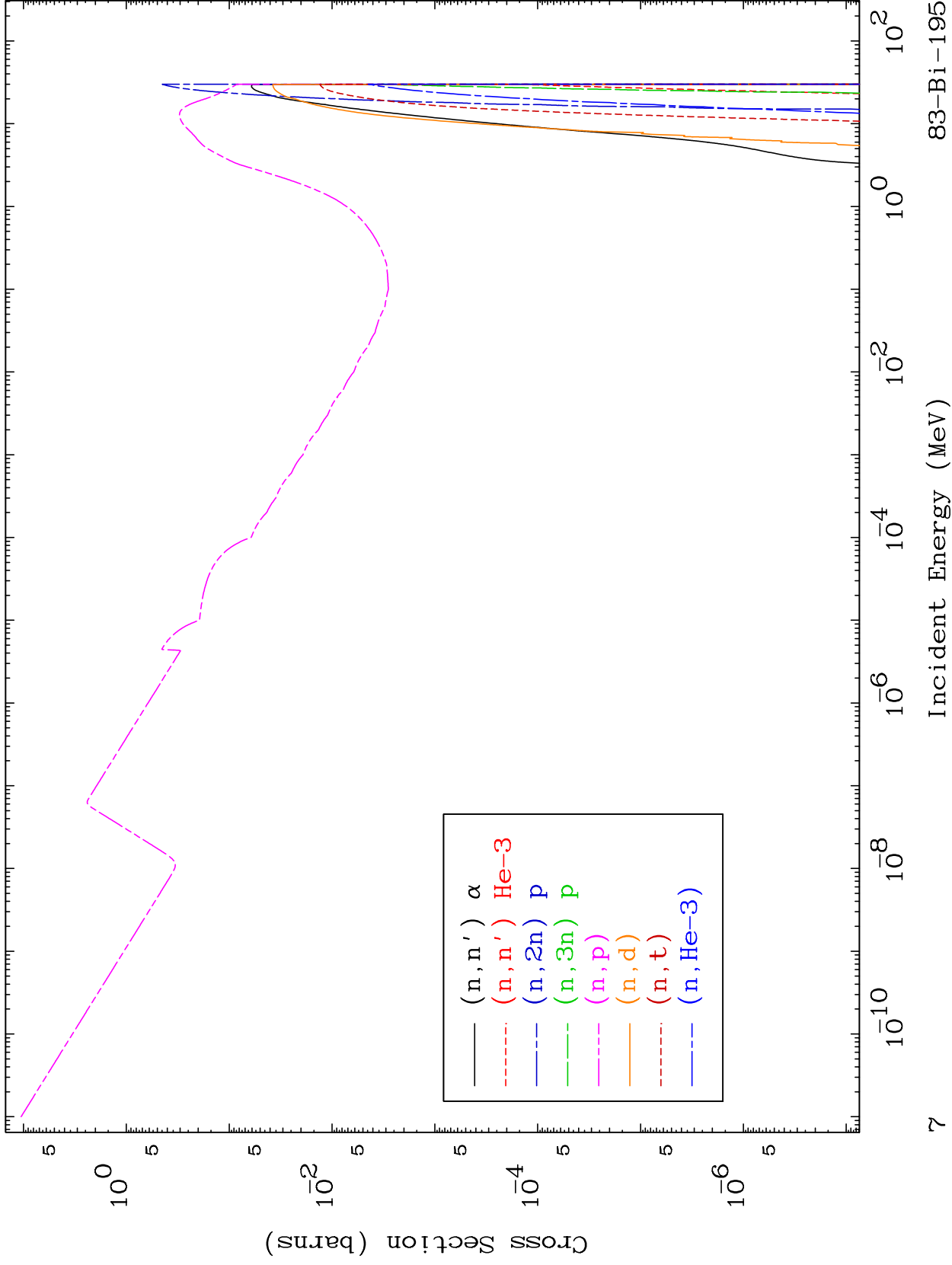
83-Bi-195



MAT 8283

Charged Particle
293 Kelvin Cross Sections

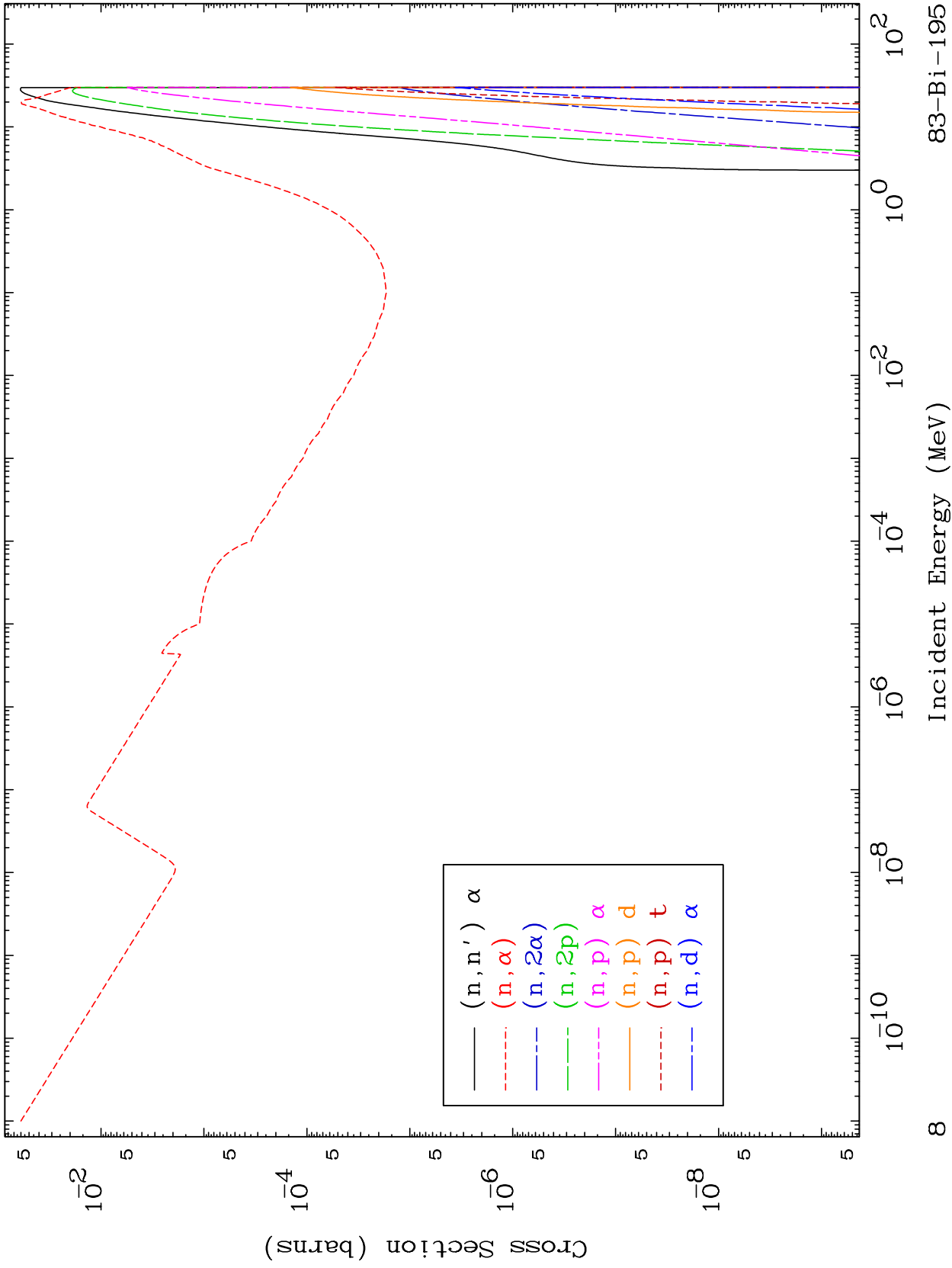
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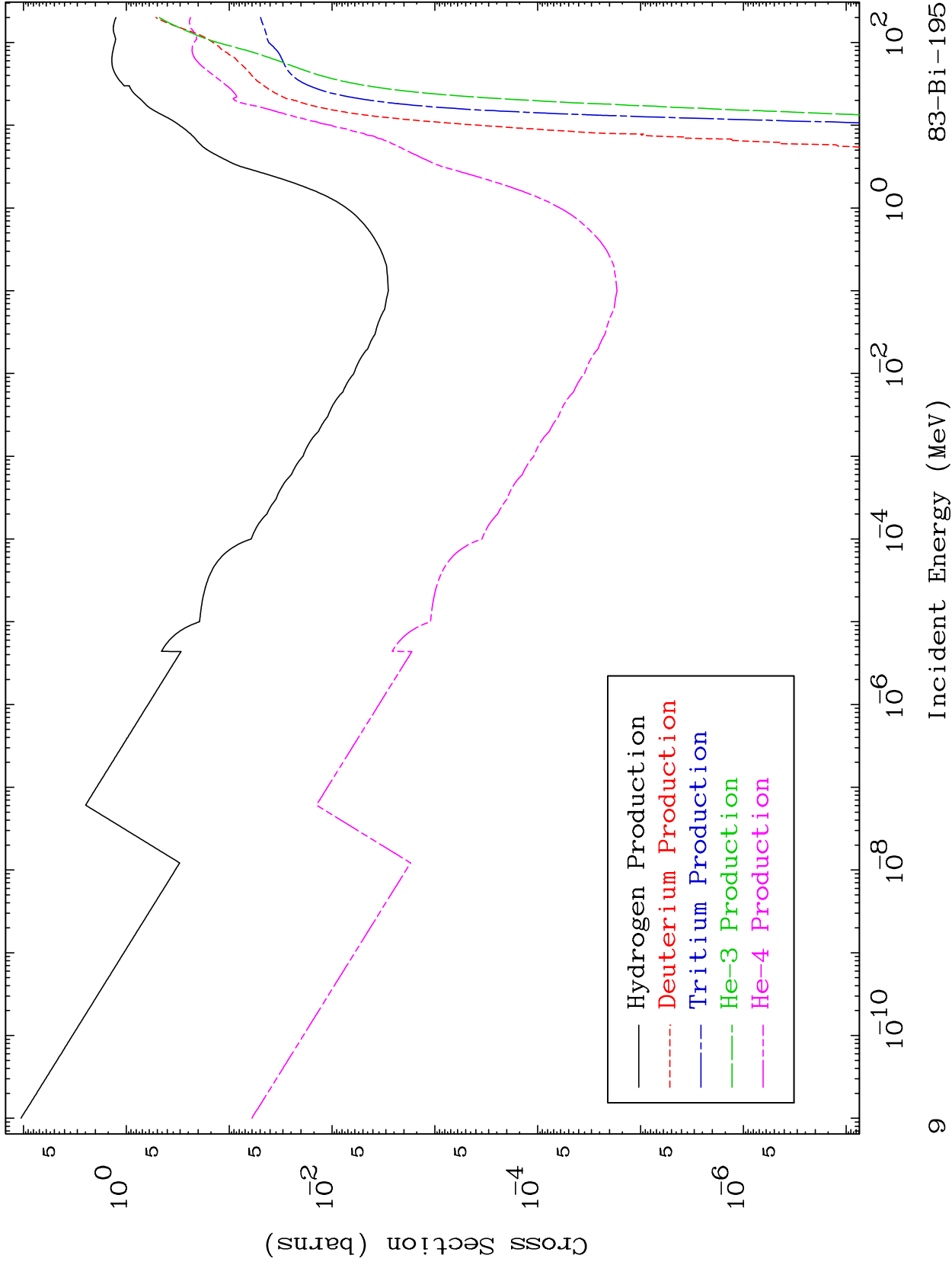


MAT 8283

Charged Particle
293 Kelvin Cross Sections

83-Bi-195

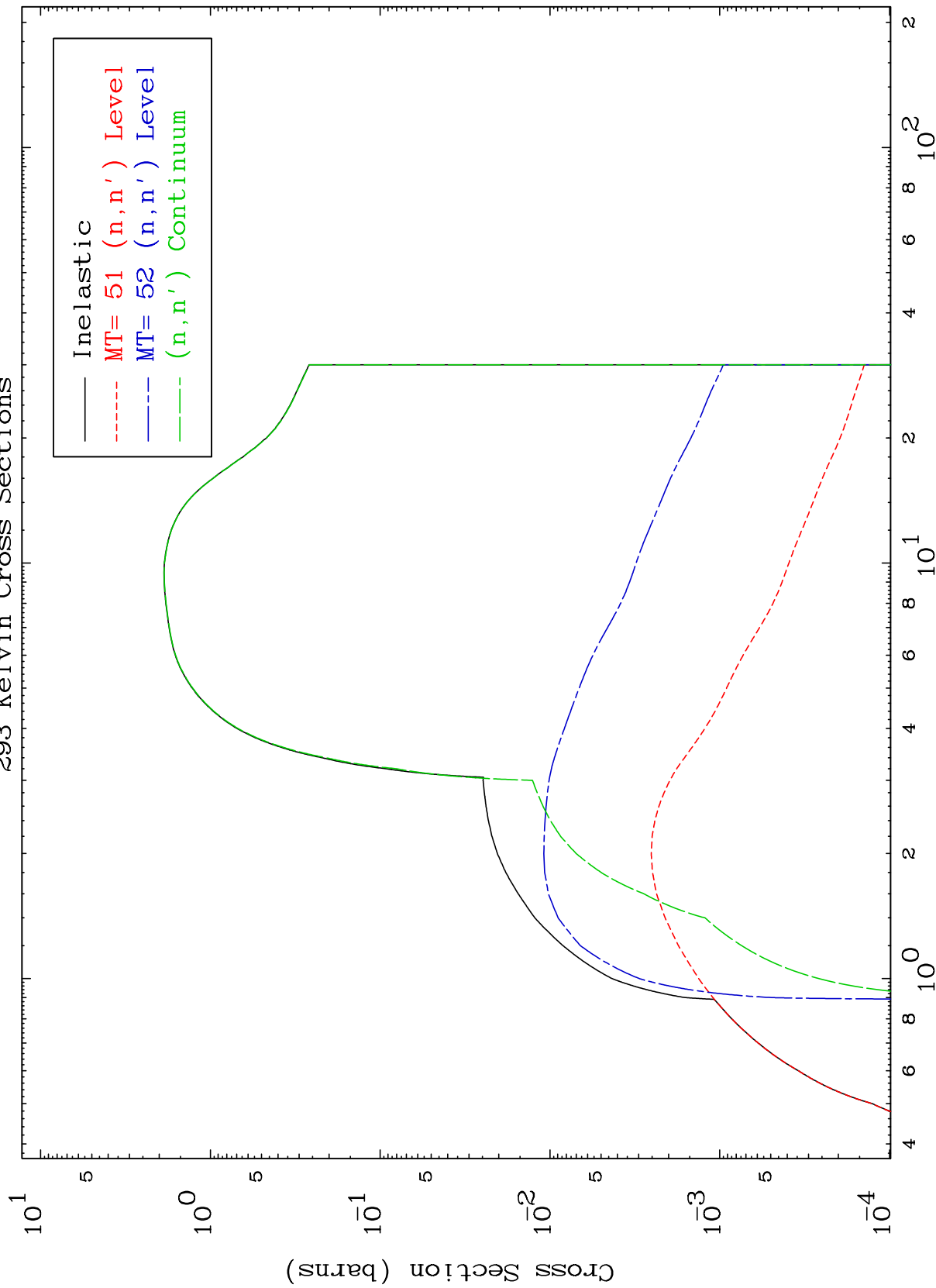




MAT 8283

83-Bi-195

(n,n') Levels
293 Kelvin Cross Sections



83-Bi-195

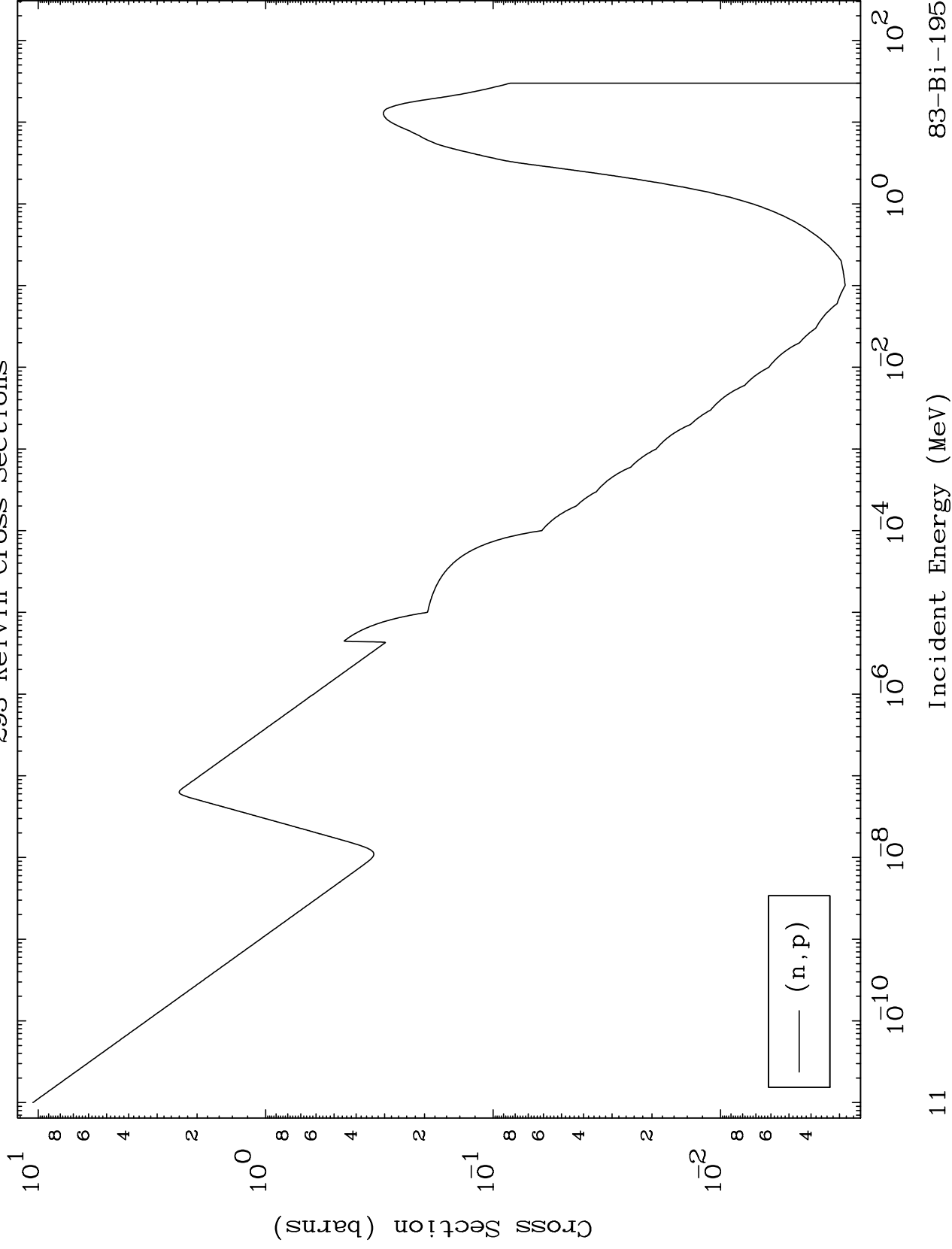
Incident Energy (MeV)

10

MAT 8283

(n,p) Levels
293 Kelvin Cross Sections

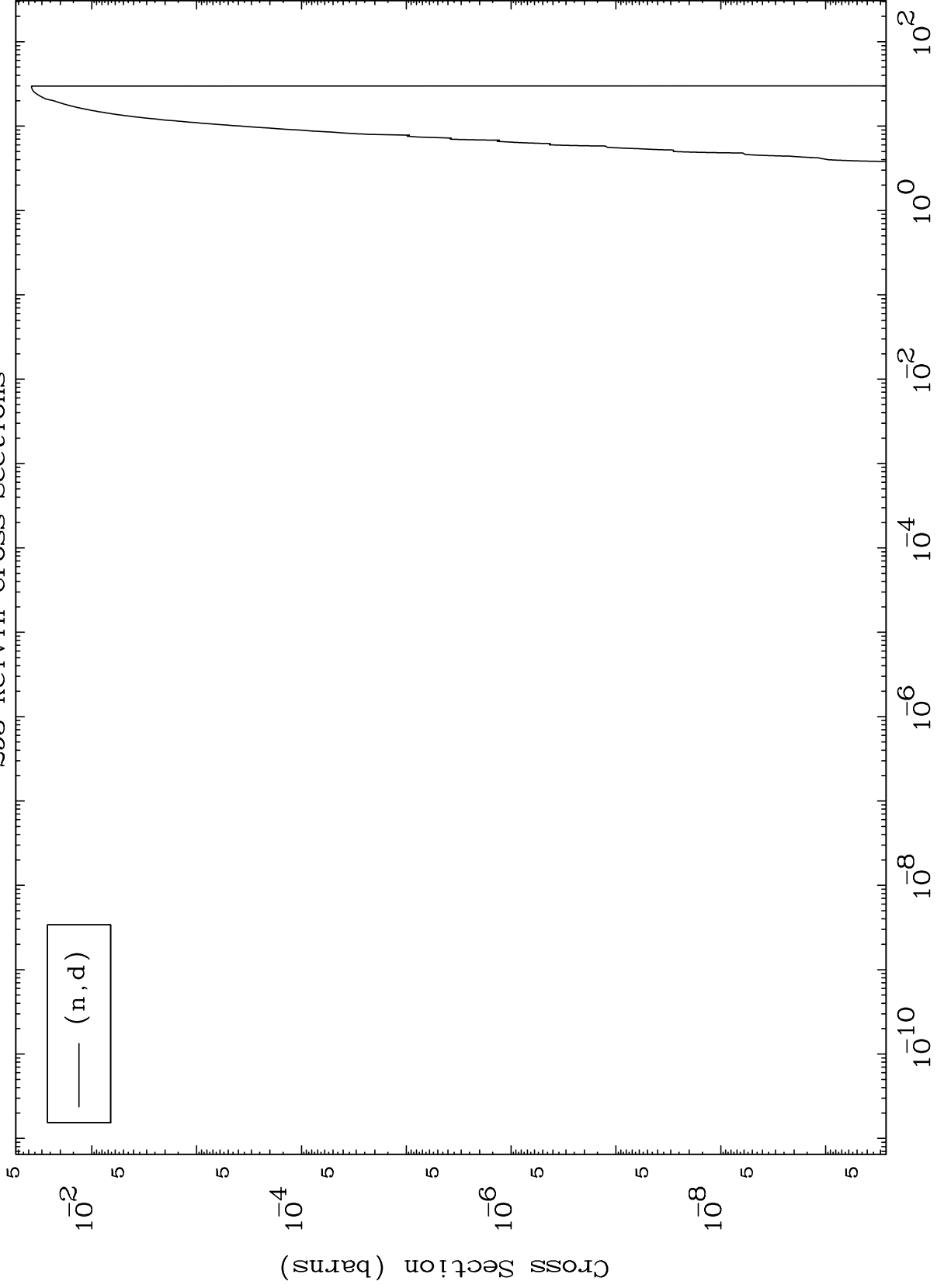
83-Bi-195



MAT 8283

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-195

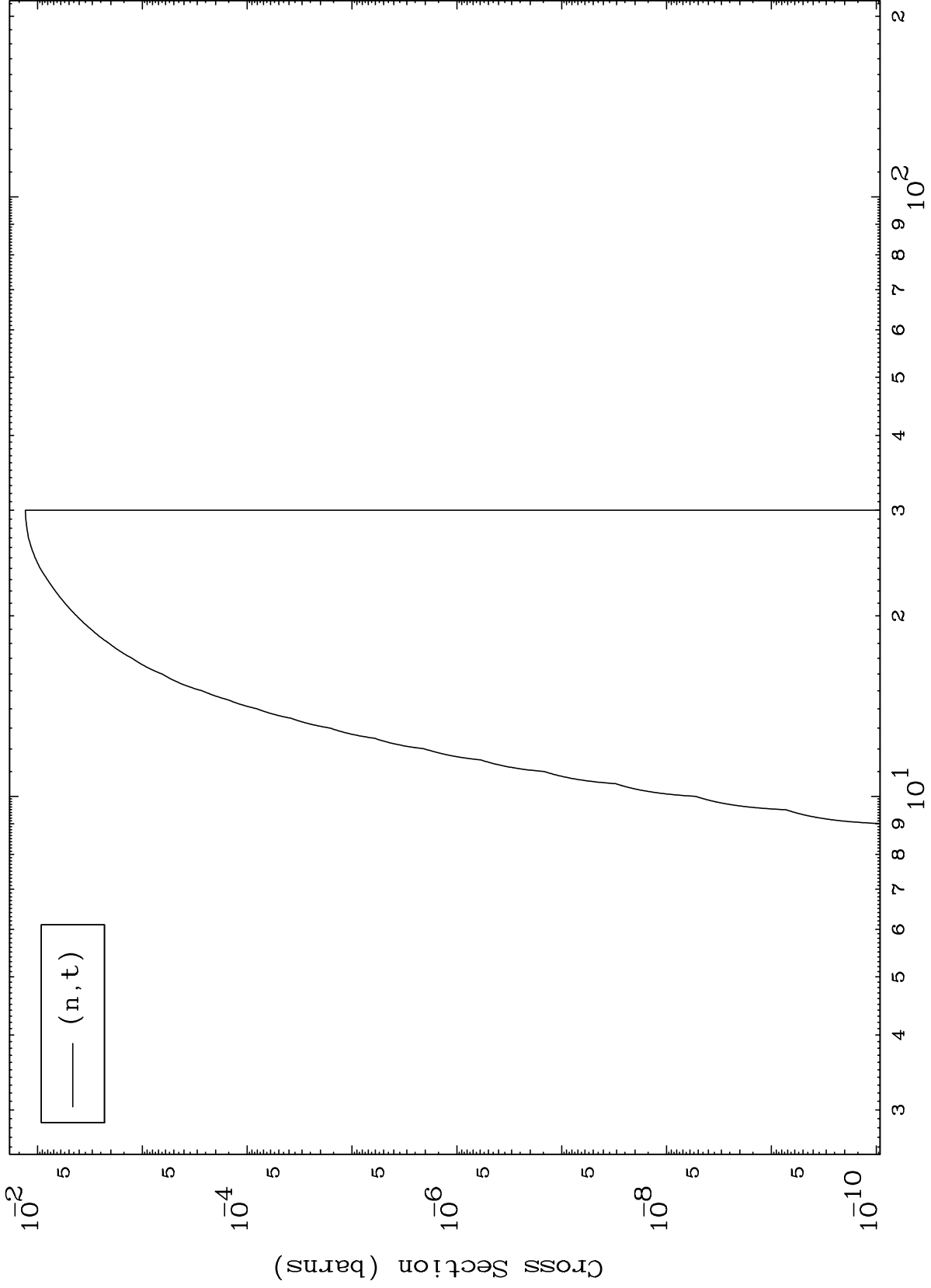


(n,d)

MAT 8283

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-195



13

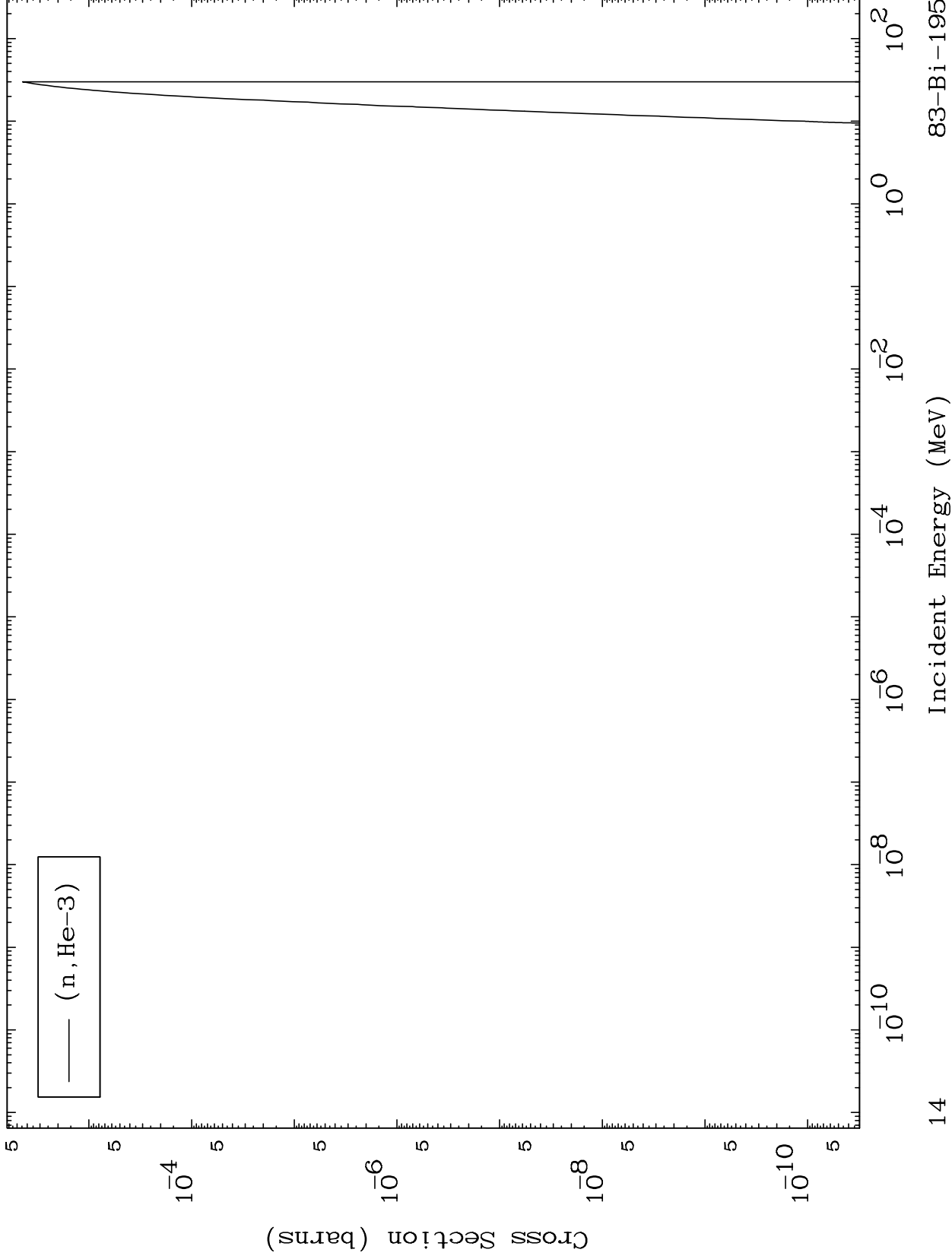
Incident Energy (MeV)

83-Bi-195

MAT 8283

(n,He3) Levels
293 Kelvin Cross Sections

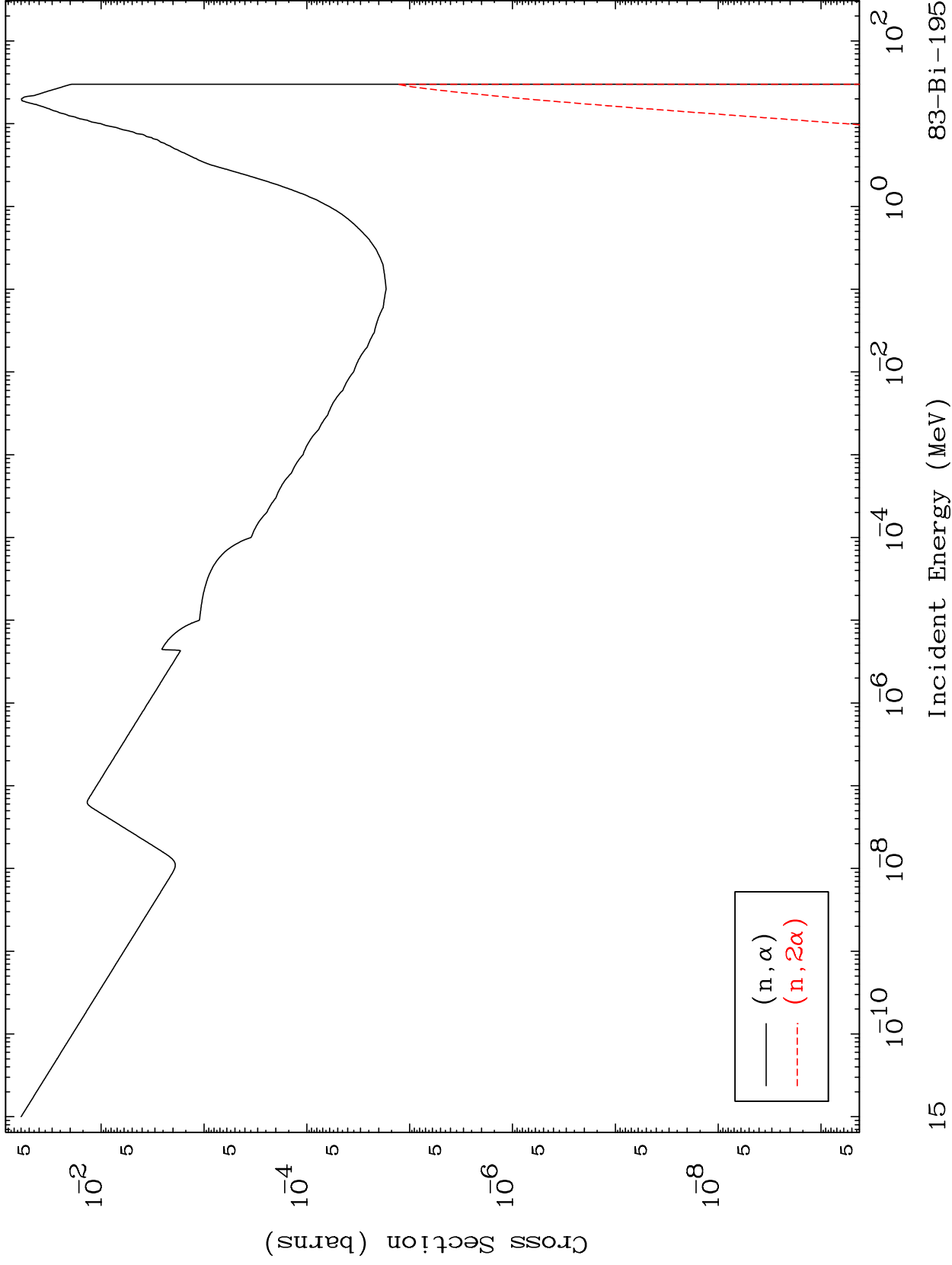
83-Bi-195



MAT 8283

(n,α) Levels
293 Kelvin Cross Sections

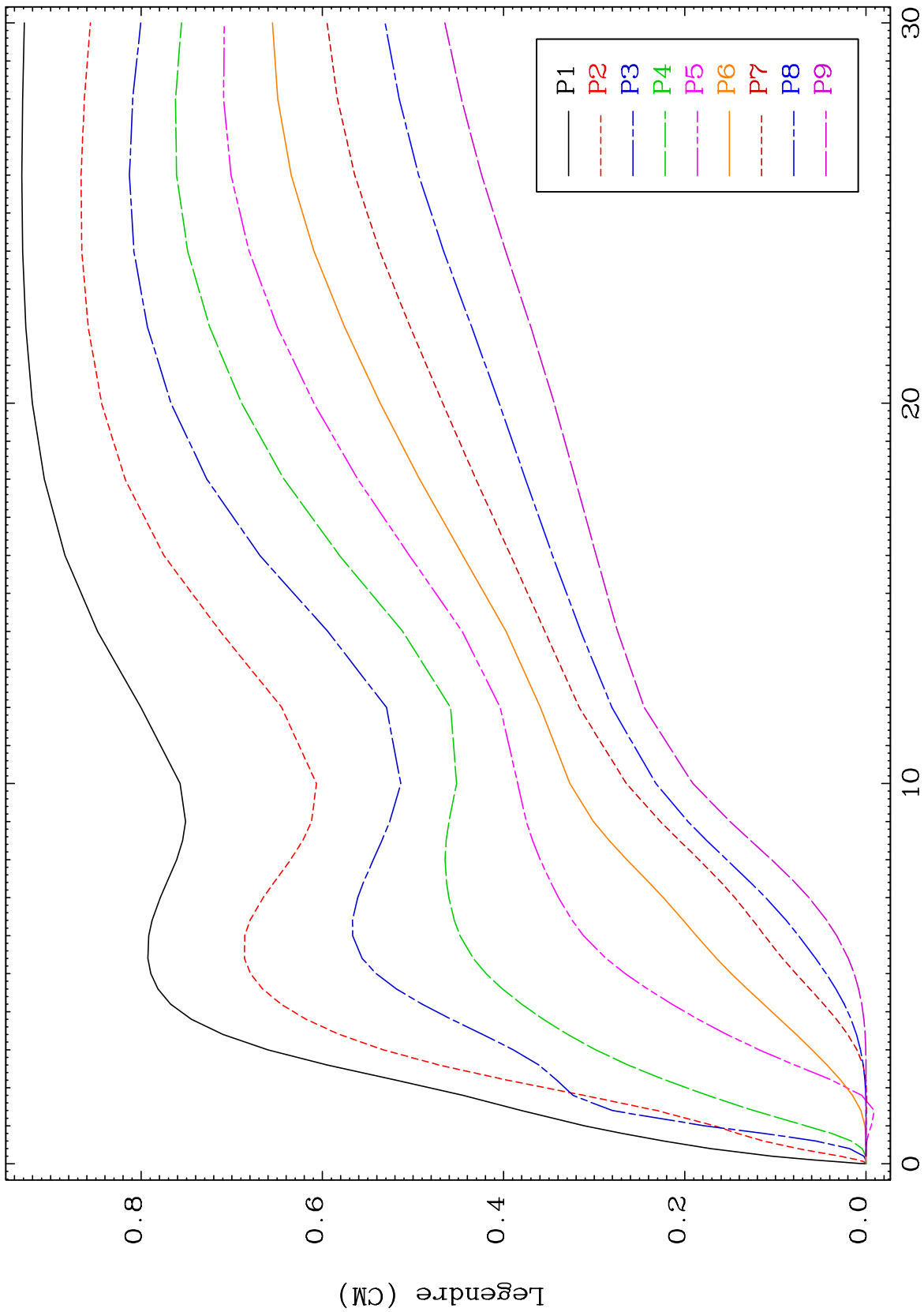
83-Bi-195



MAT 8283

83-Bi-195

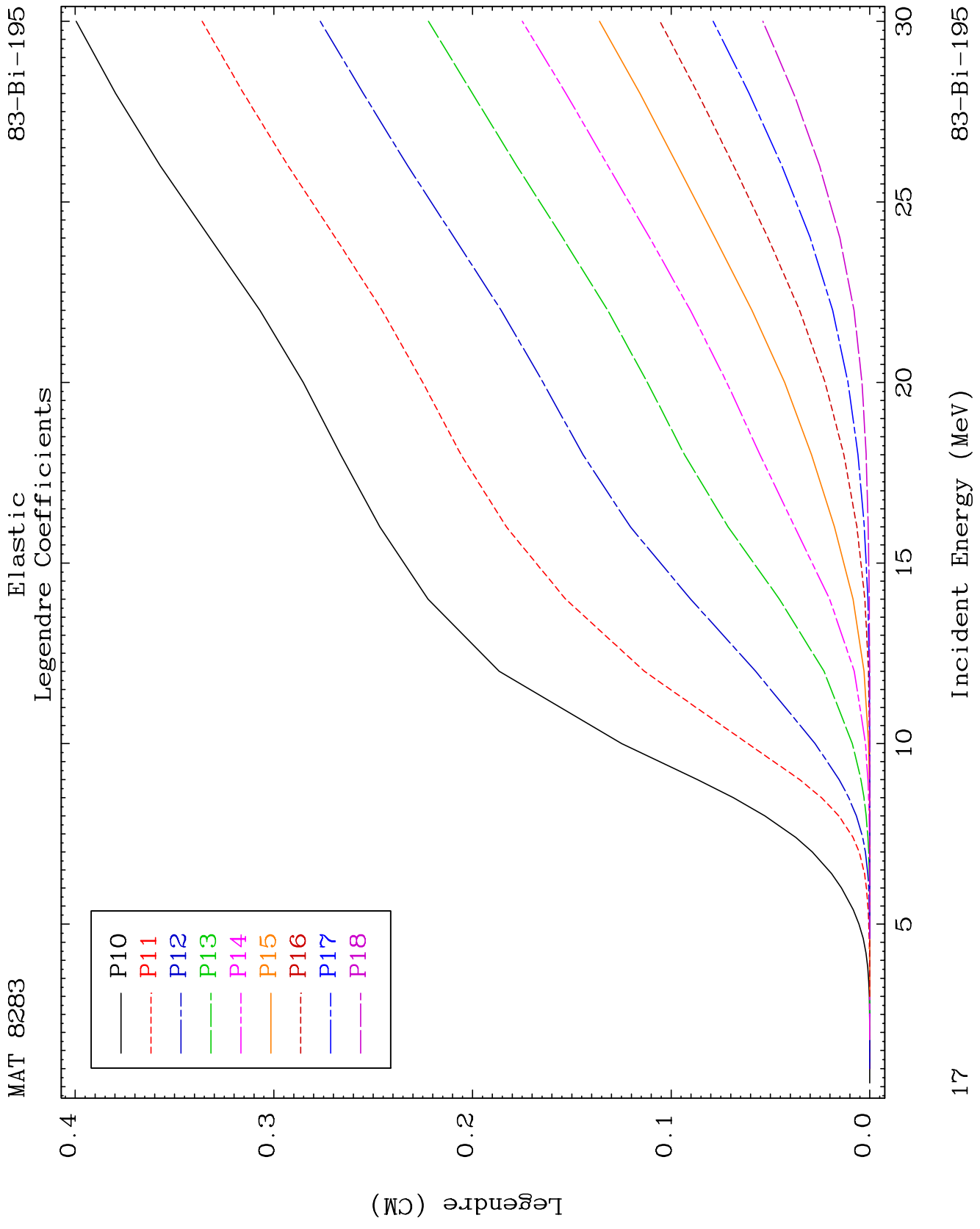
Elastic Legendre Coefficients



83-Bi-195

Incident Energy (MeV)

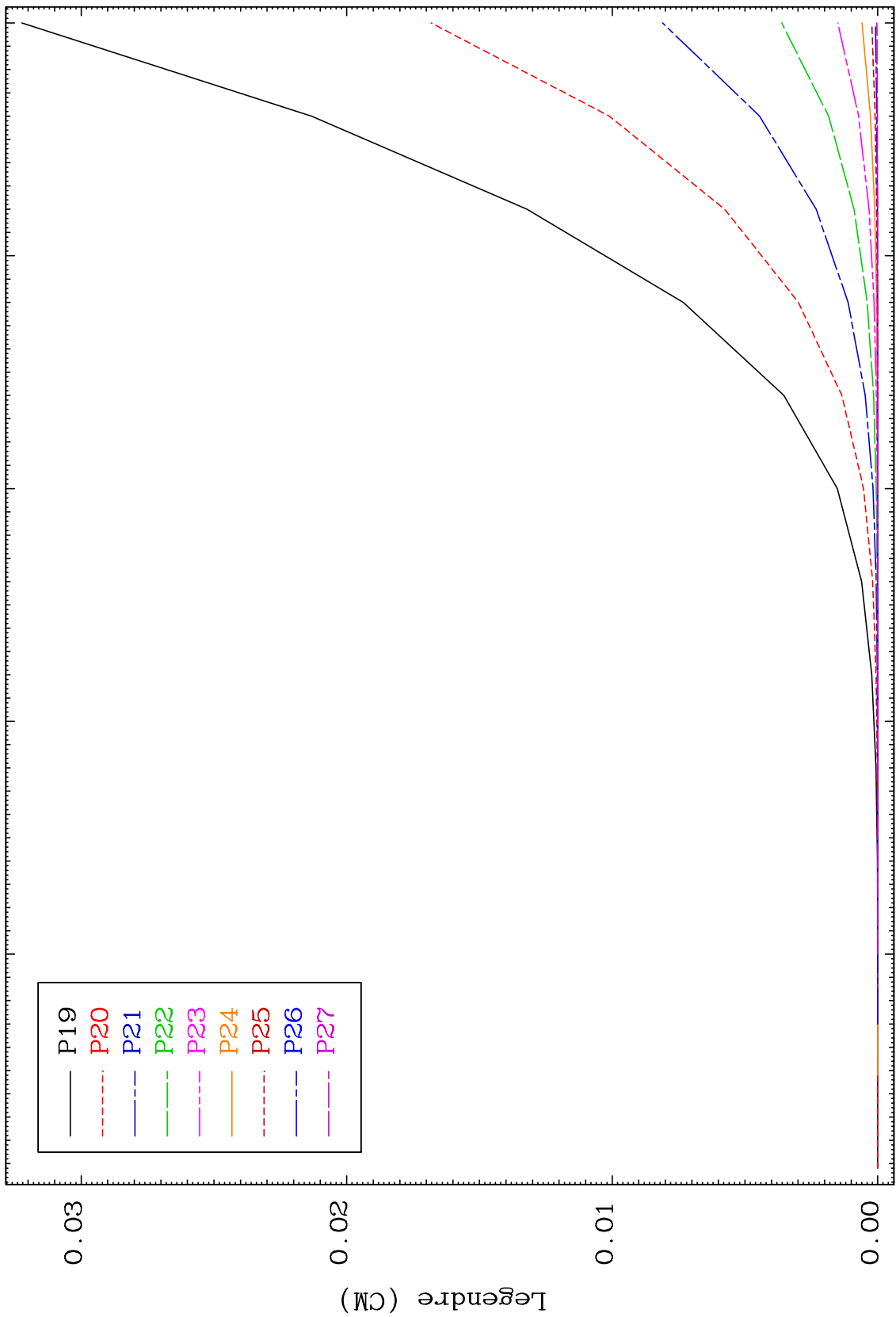
16



MAT 8283

Elastic Legendre Coefficients

83-Bi-195



18

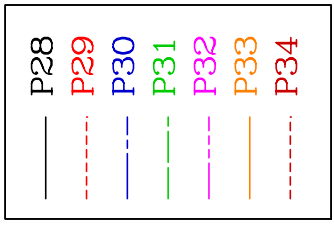
Incident Energy (MeV)

83-Bi-195

MAT 8283

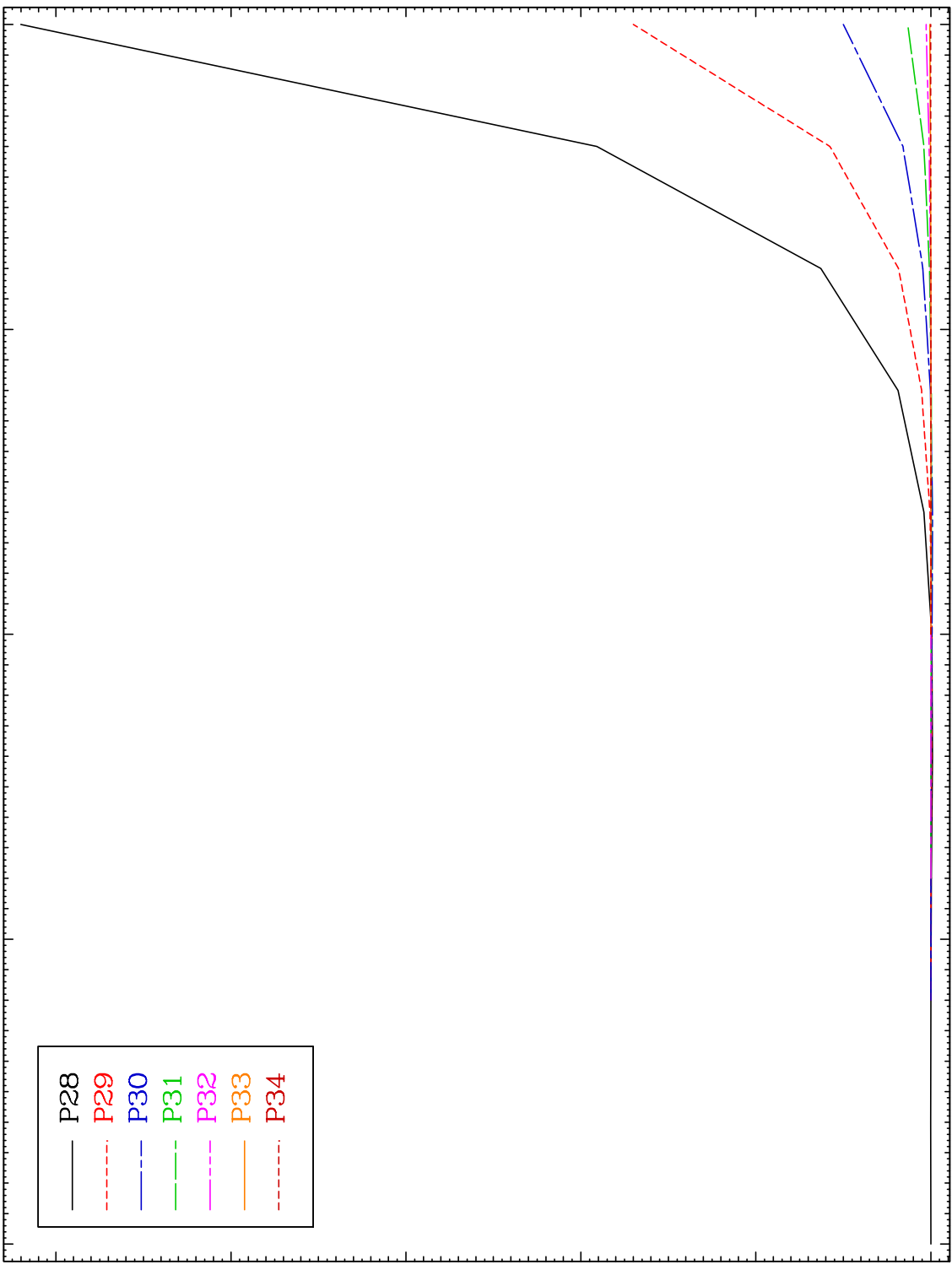
Elastic Legendre Coefficients

83-Bi-195



$\times 10^{-50}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

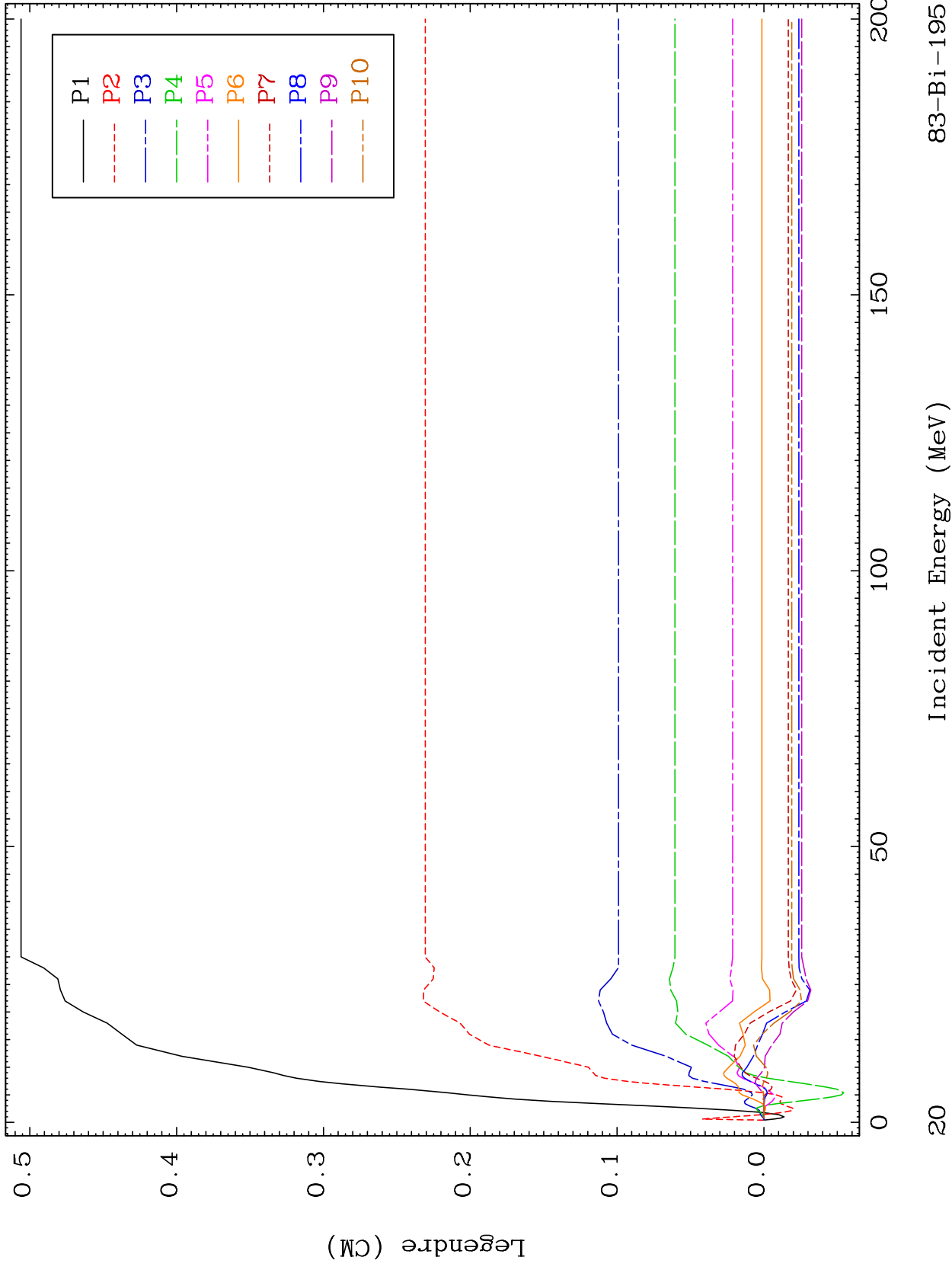
83-Bi-195

19

MAT 8283

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

83-Bi-195



83-Bi-195

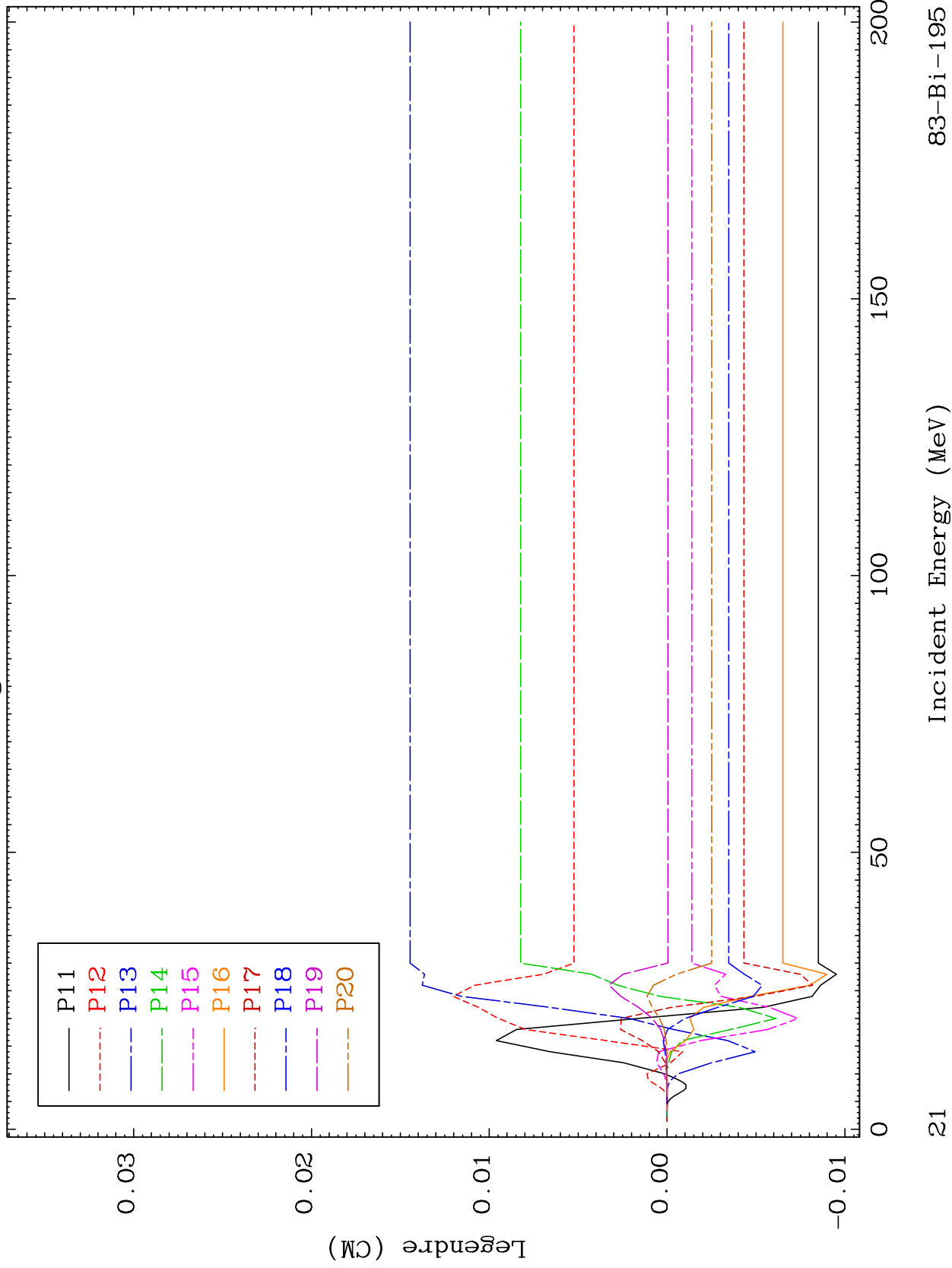
Incident Energy (MeV)

20

MAT 8283

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

83-Bi-195

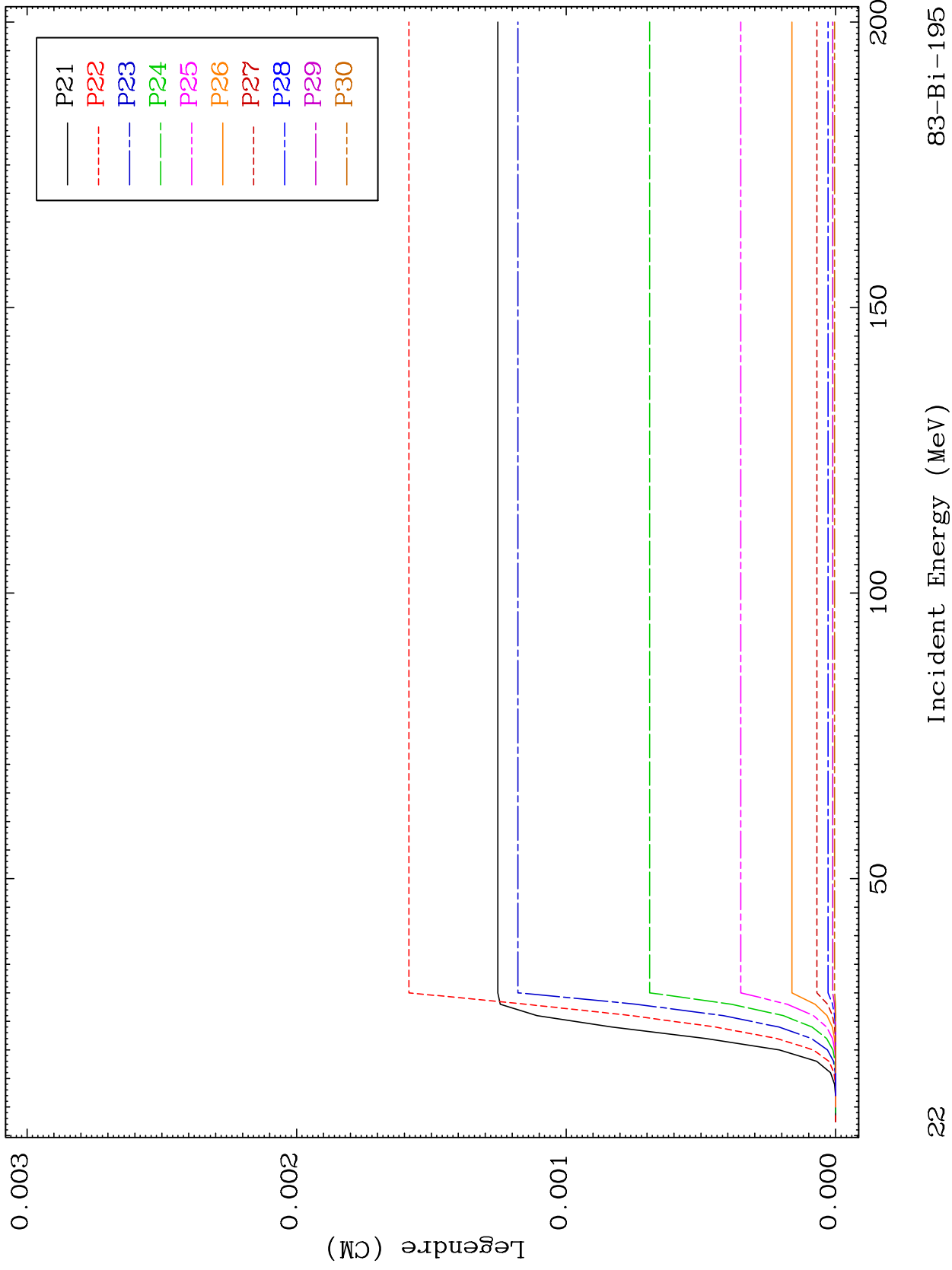


21

MAT 8283

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

83-Bi-195

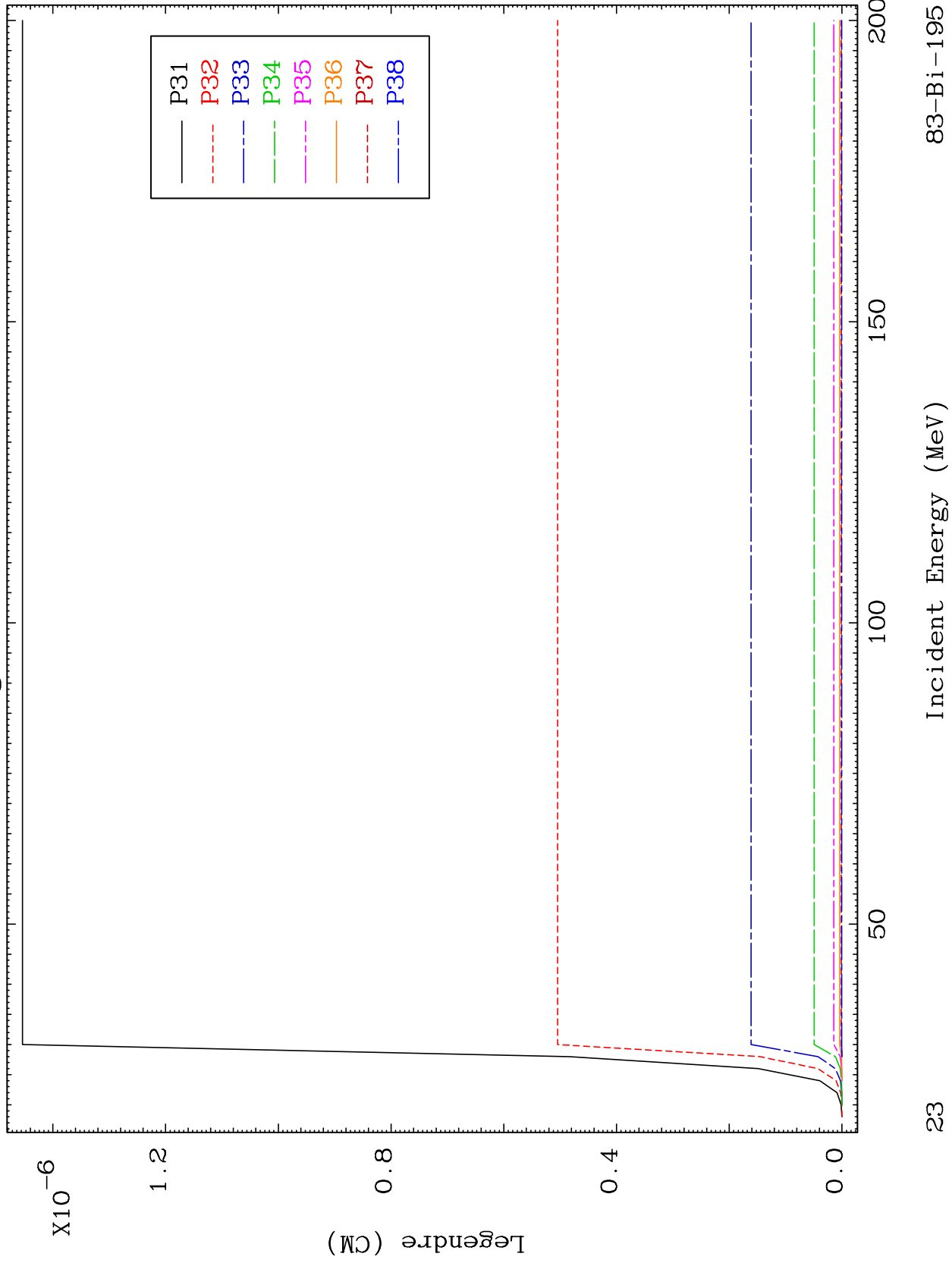


22

MAT 8283

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

83-Bi-195



23

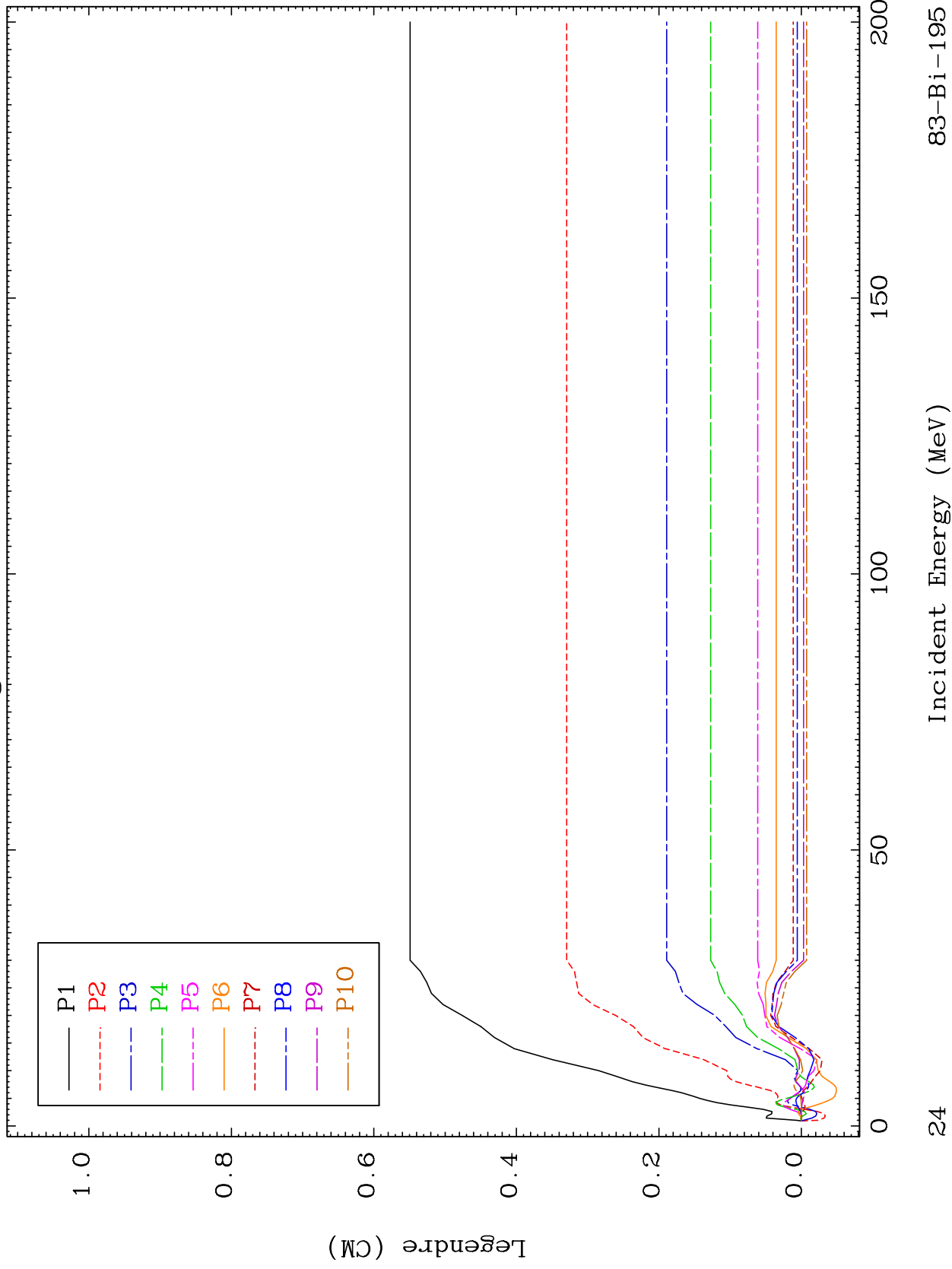
Incident Energy (MeV)

83-Bi-195

MAT 8283

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

83-Bi-195



24

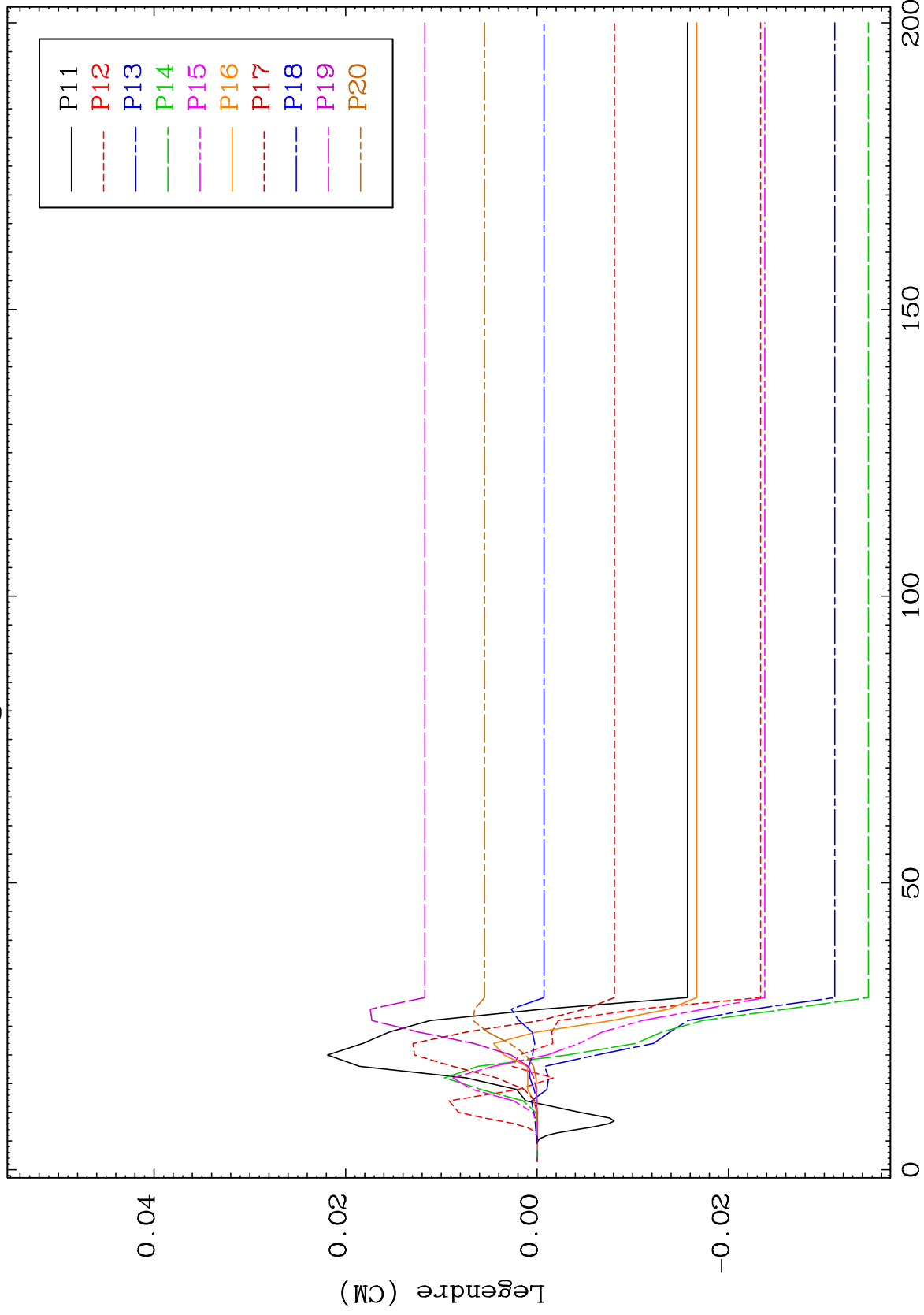
Incident Energy (MeV)

83-Bi-195

MAT 8283

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

83-Bi-195



25

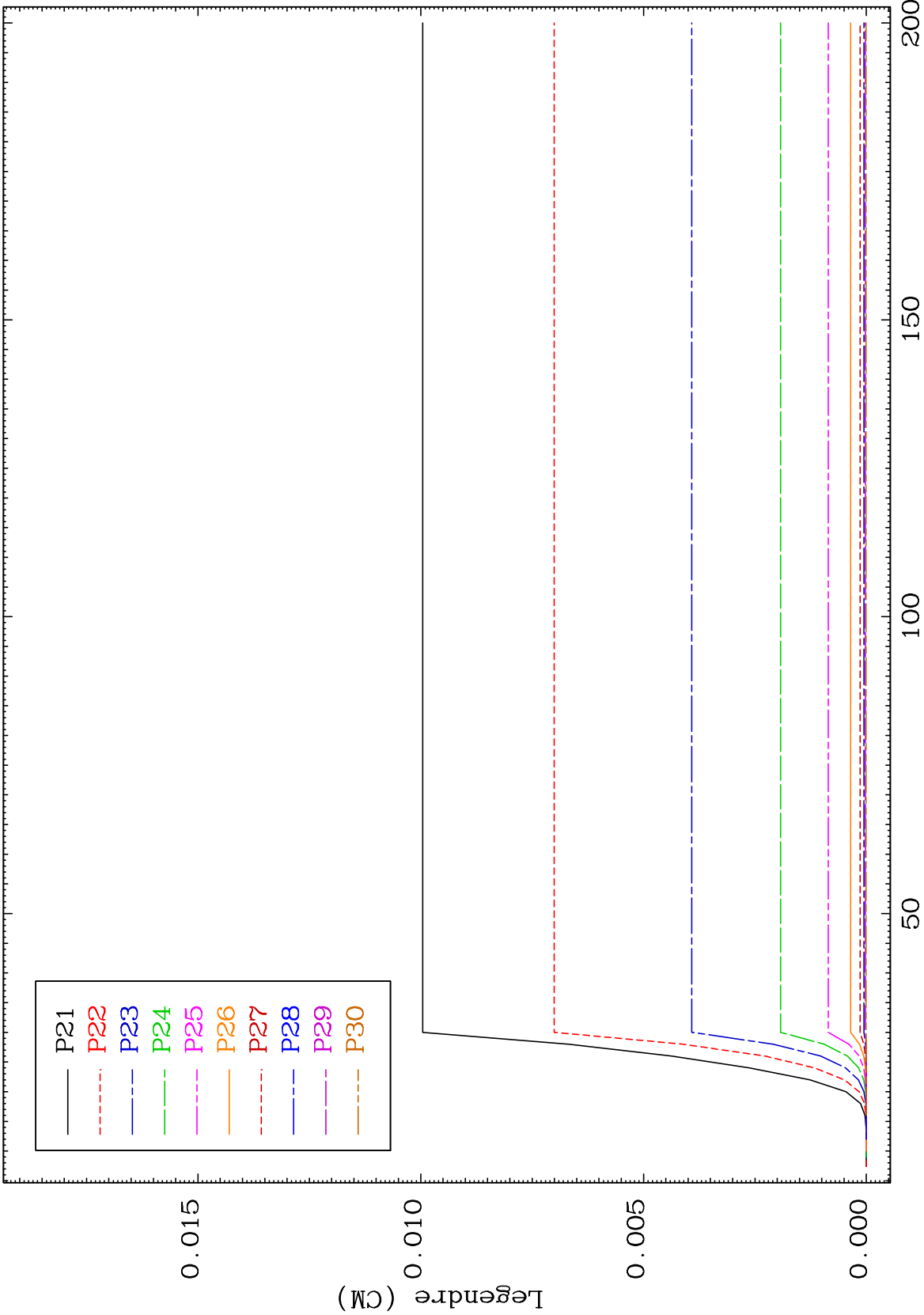
Incident Energy (MeV)

83-Bi-195

MAT 8283

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

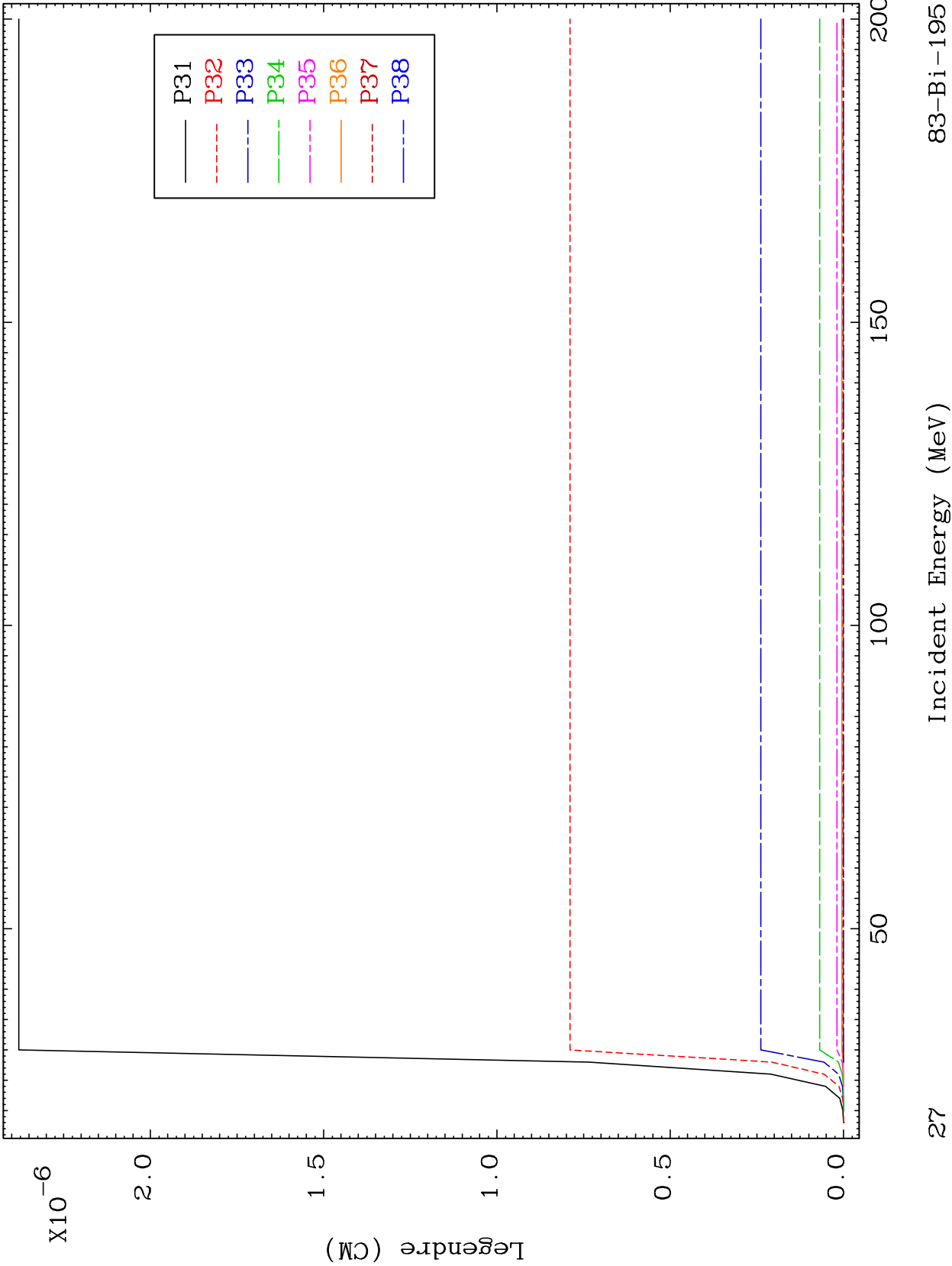
83-Bi-195



26

Incident Energy (MeV)

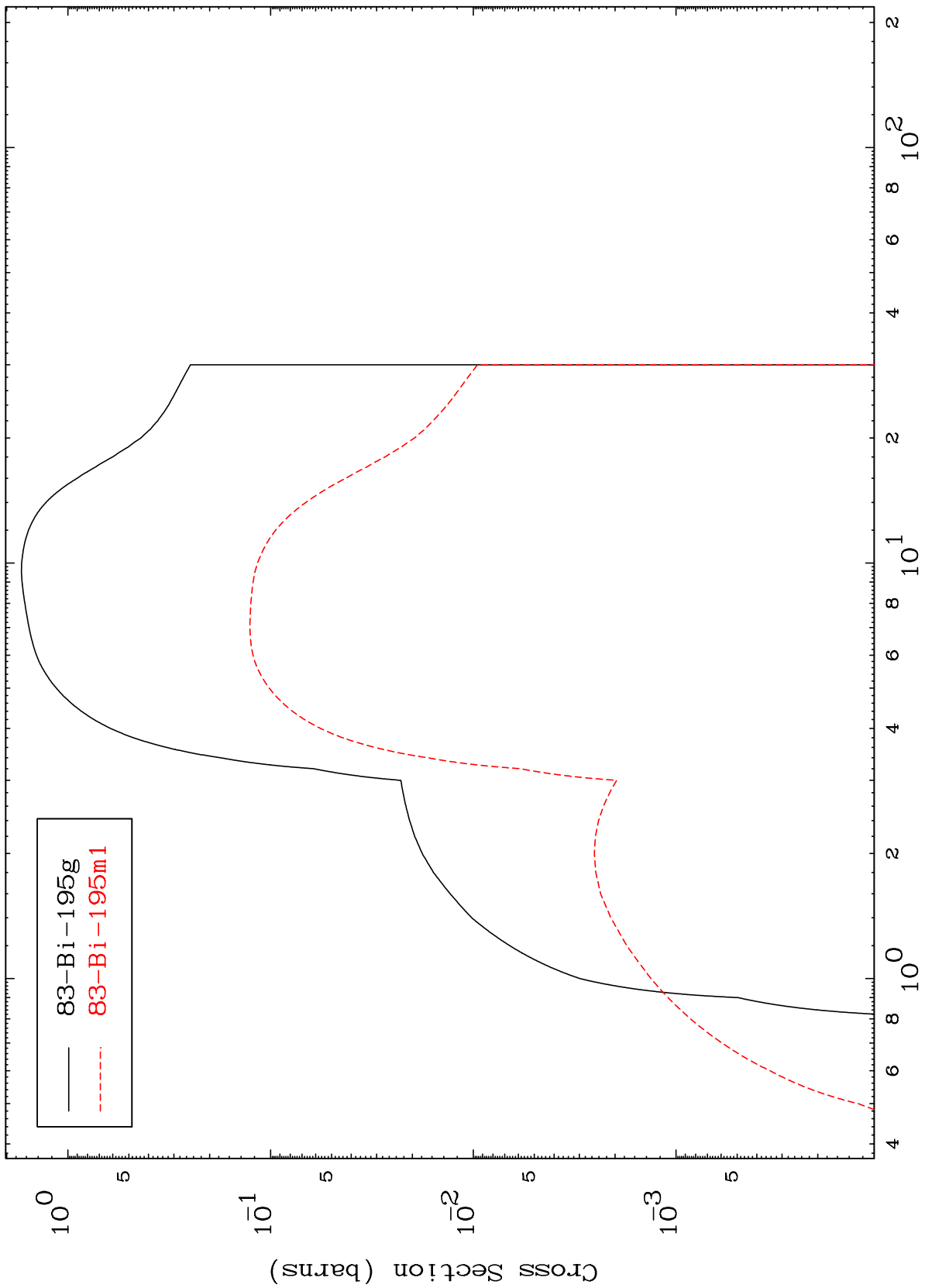
83-Bi-195



MAT 8283

83-Bi-195

Radionuclide Production Cross Section



83-Bi-195g
83-Bi-195m1

83-Bi-195

Incident Energy (MeV)

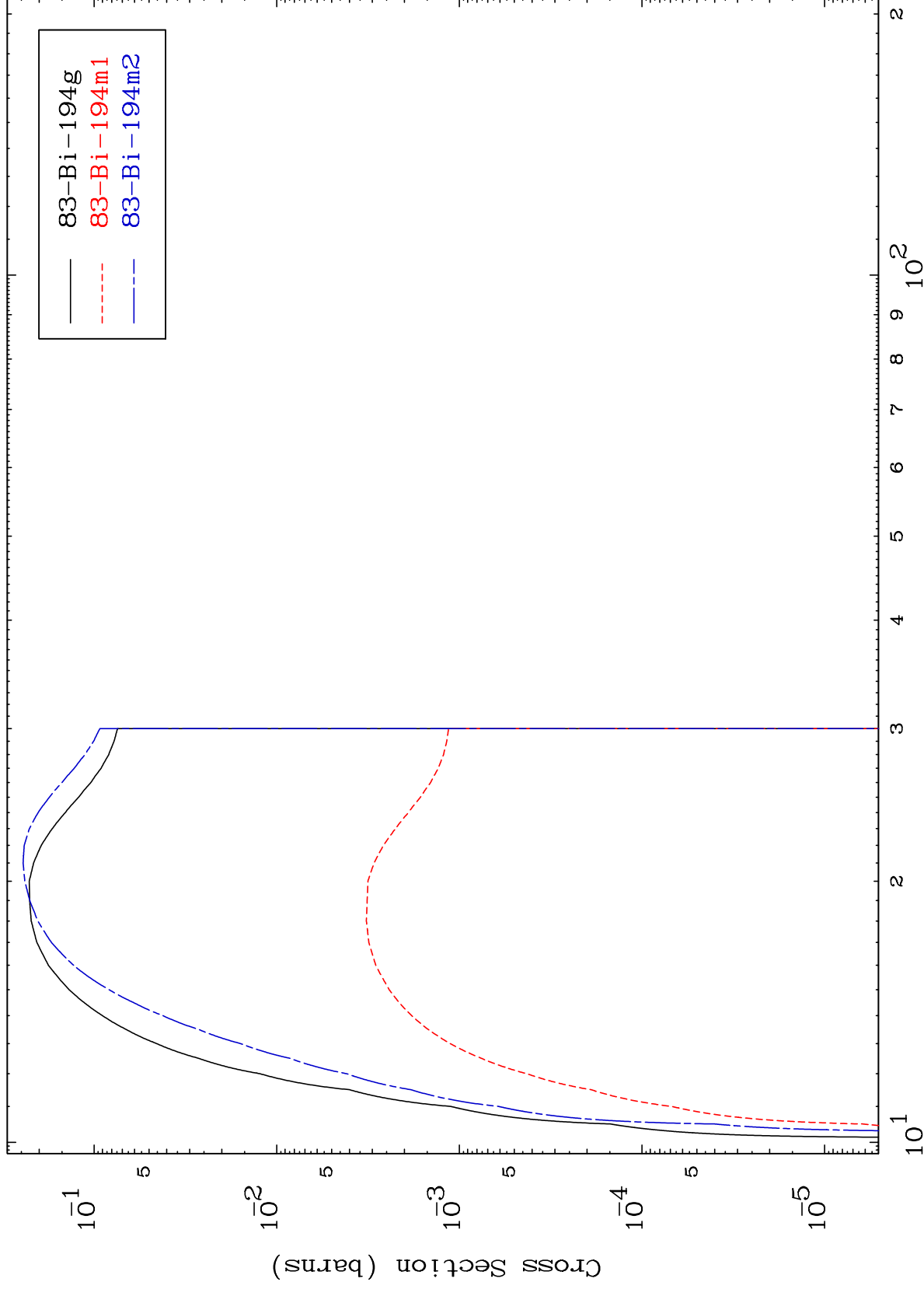
28

MAT 8283

(n,2n)

83-Bi-195

Radionuclide Production Cross Section



Incident Energy (MeV)

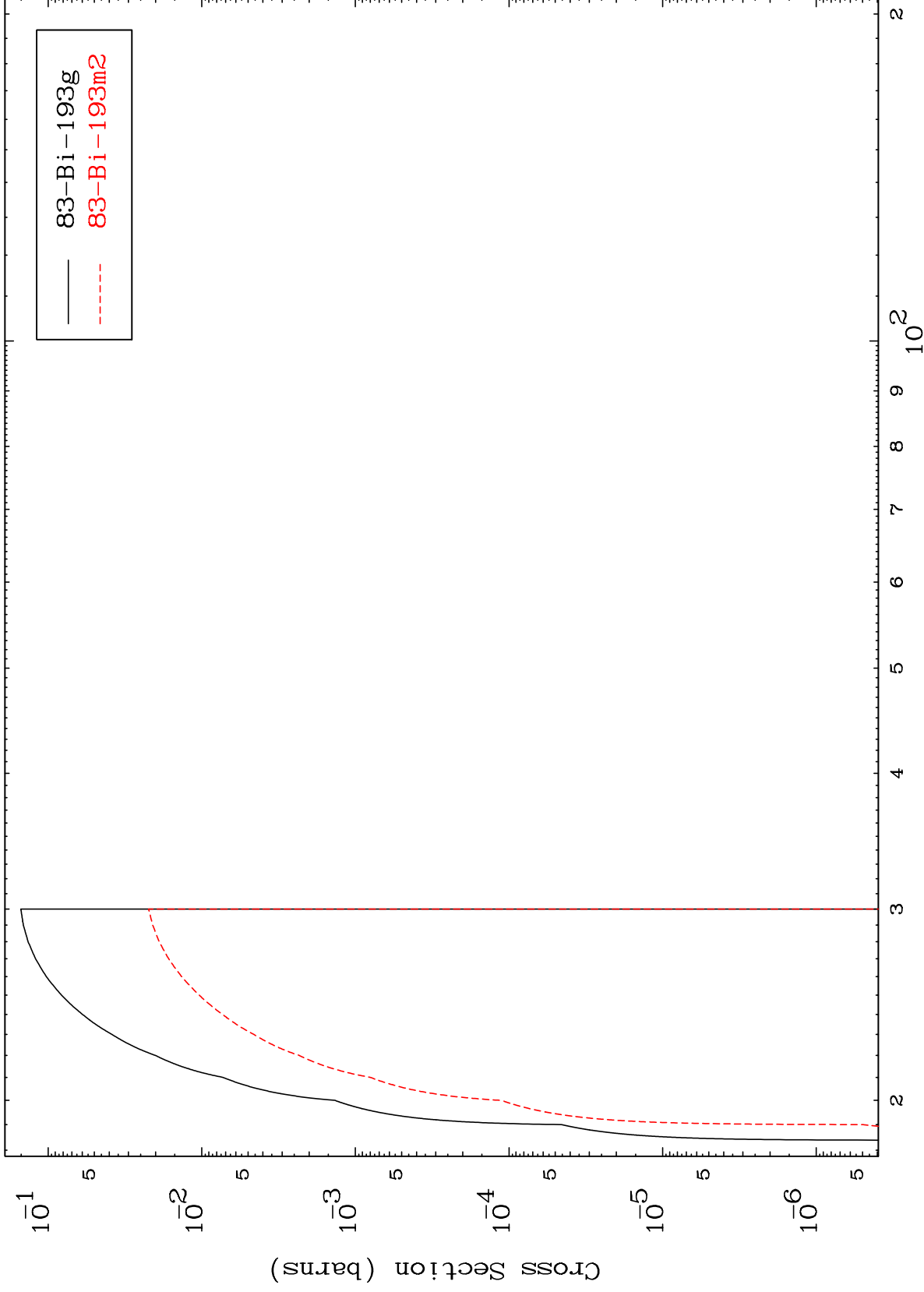
83-Bi-195

MAT 8283

(n,3n)

83-Bi-195

Radionuclide Production Cross Section



30

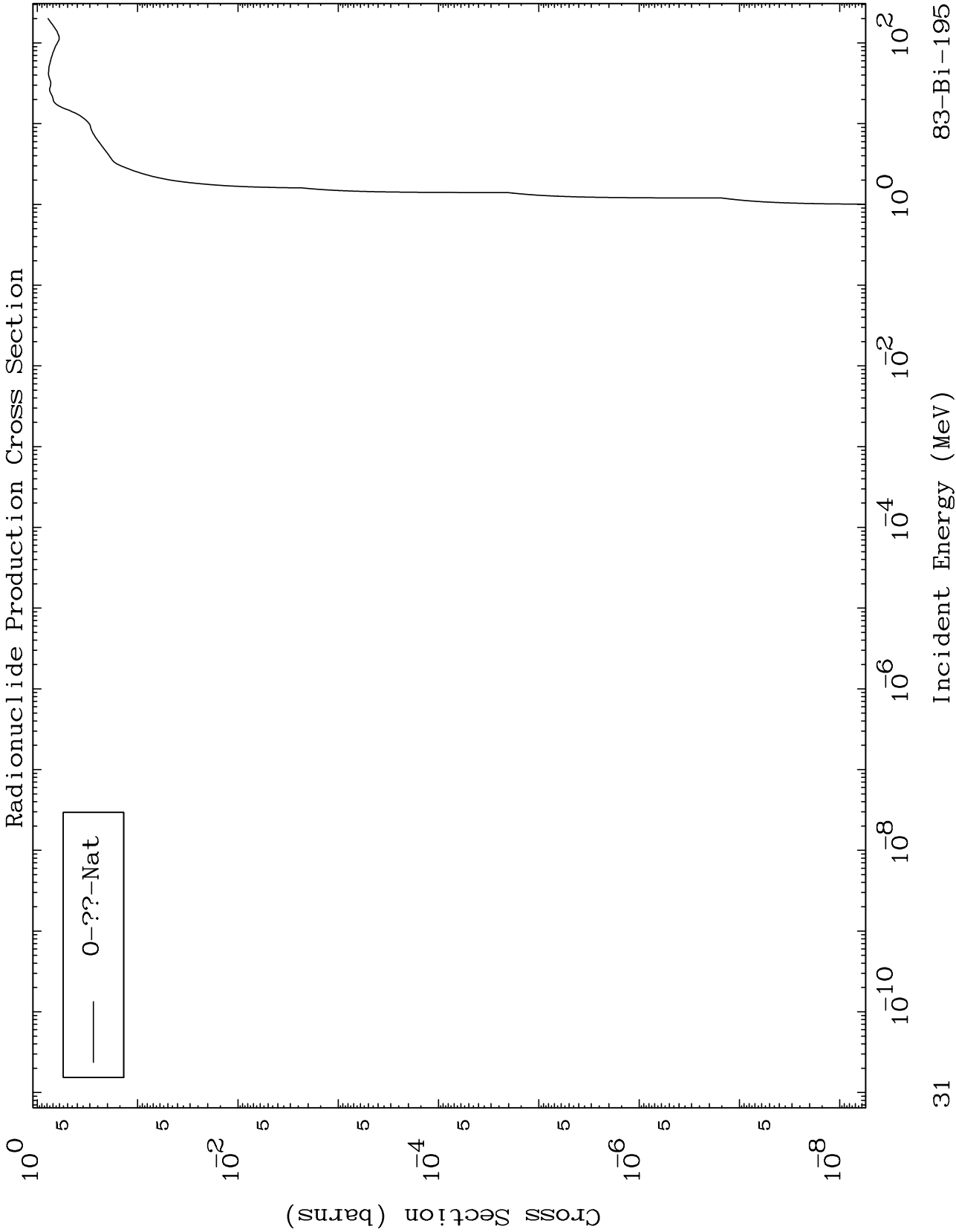
Incident Energy (MeV)

83-Bi-195

MAT 8283

Fission

83-Bi-195

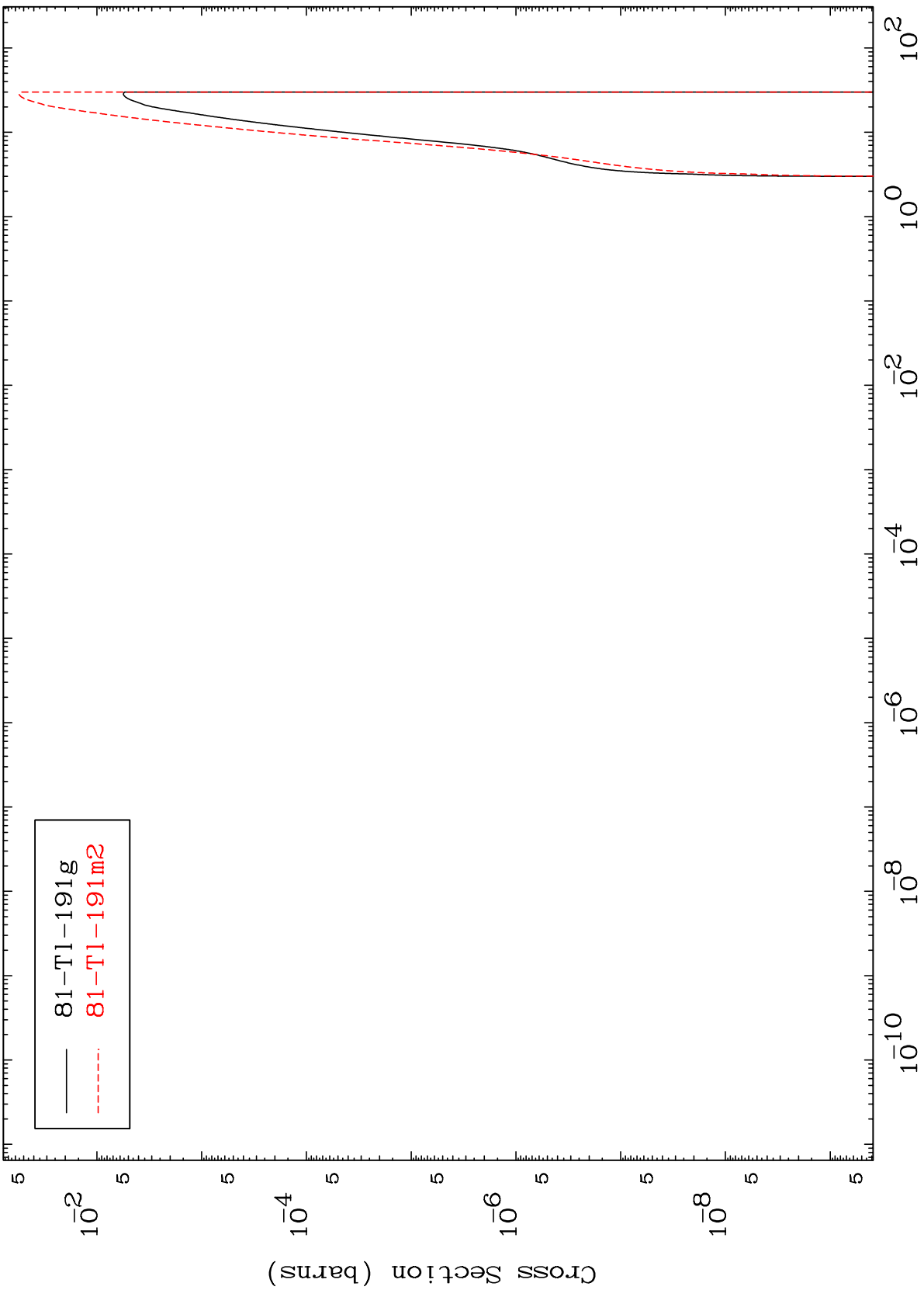


MAT 8283

$(n, n') \alpha$

83-Bi-195

Radionuclide Production Cross Section

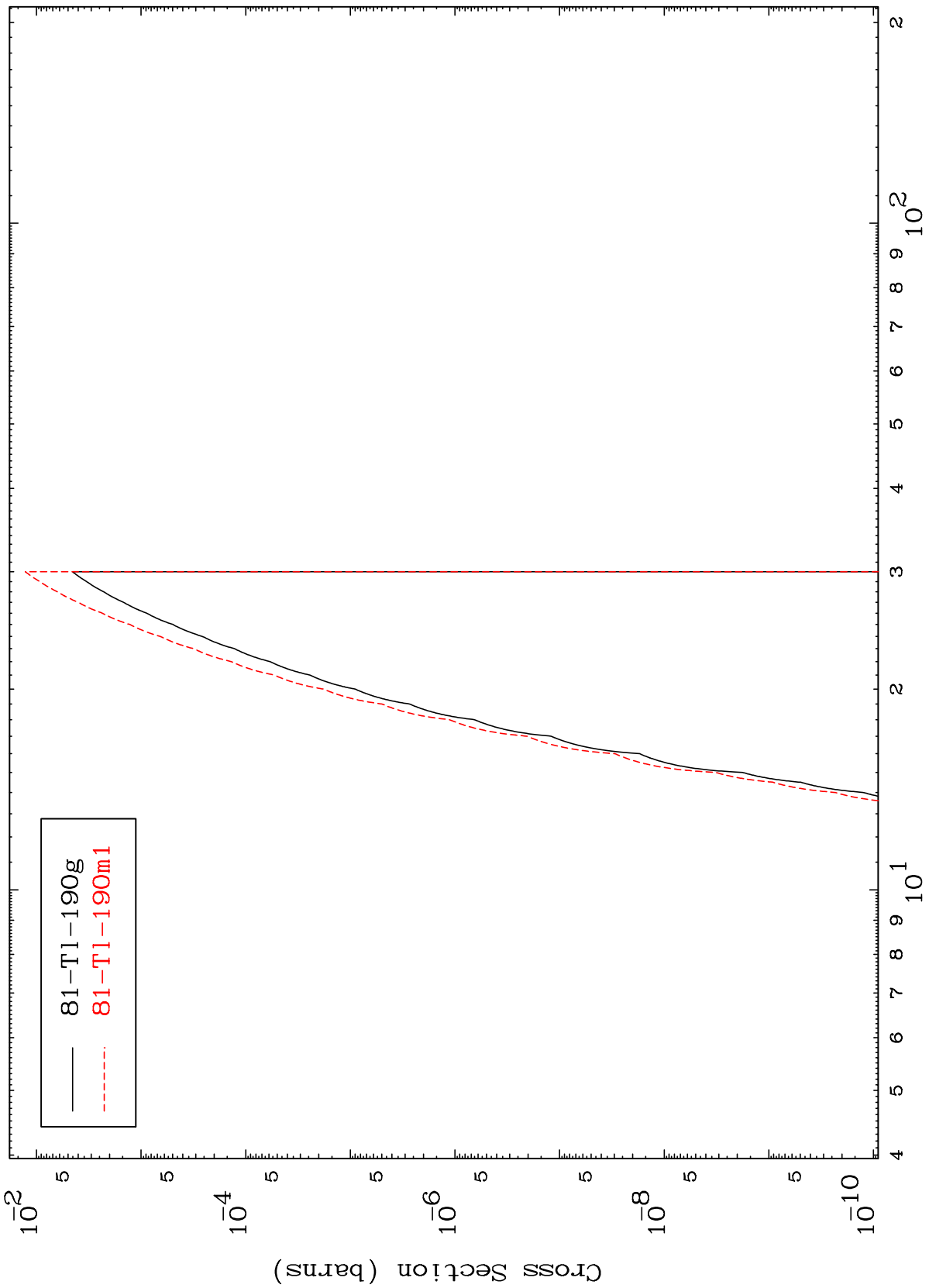


MAT 8283

(n,2n) α

83-Bi-195

Radionuclide Production Cross Section



81-Tl-190g
81-Tl-190m1

33

Incident Energy (MeV)

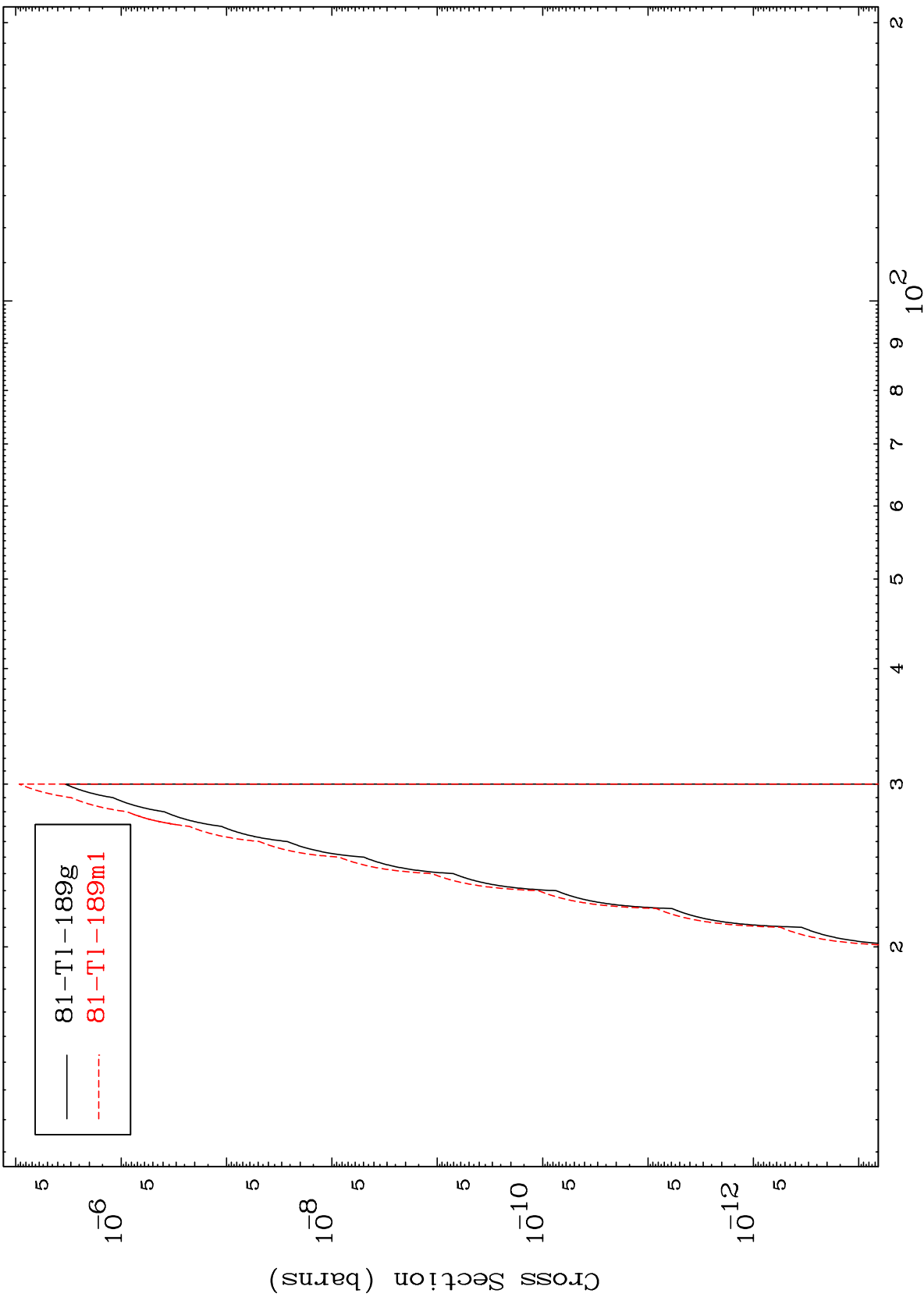
83-Bi-195

MAT 8283

$(n,3n) \alpha$

83-Bi-195

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-195

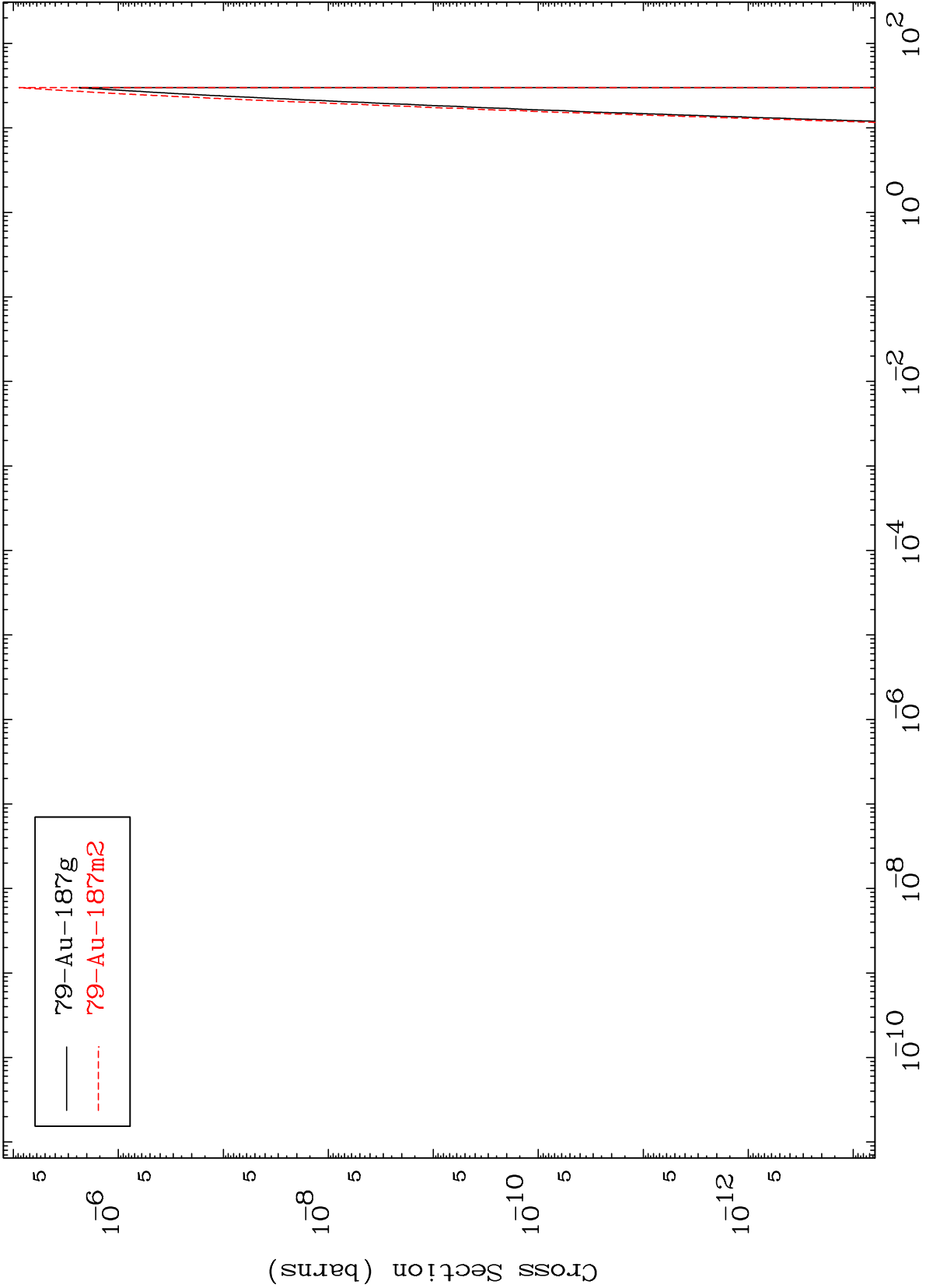
34

MAT 8283

(n,n') 2α

83-Bi-195

Radionuclide Production Cross Section

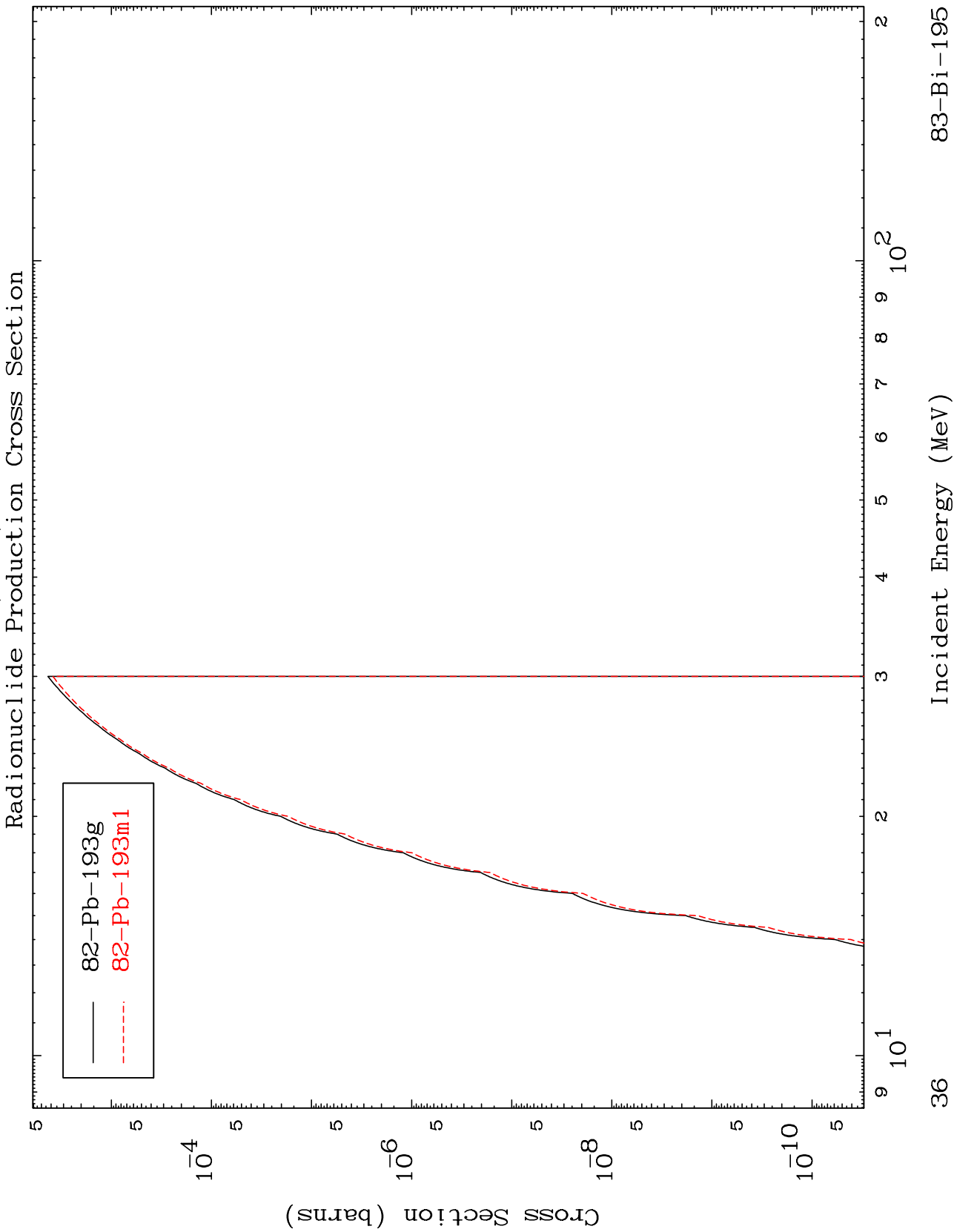


79-Au-187g
79-Au-187m2

MAT 8283

(n,n') d

83-Bi-195



36

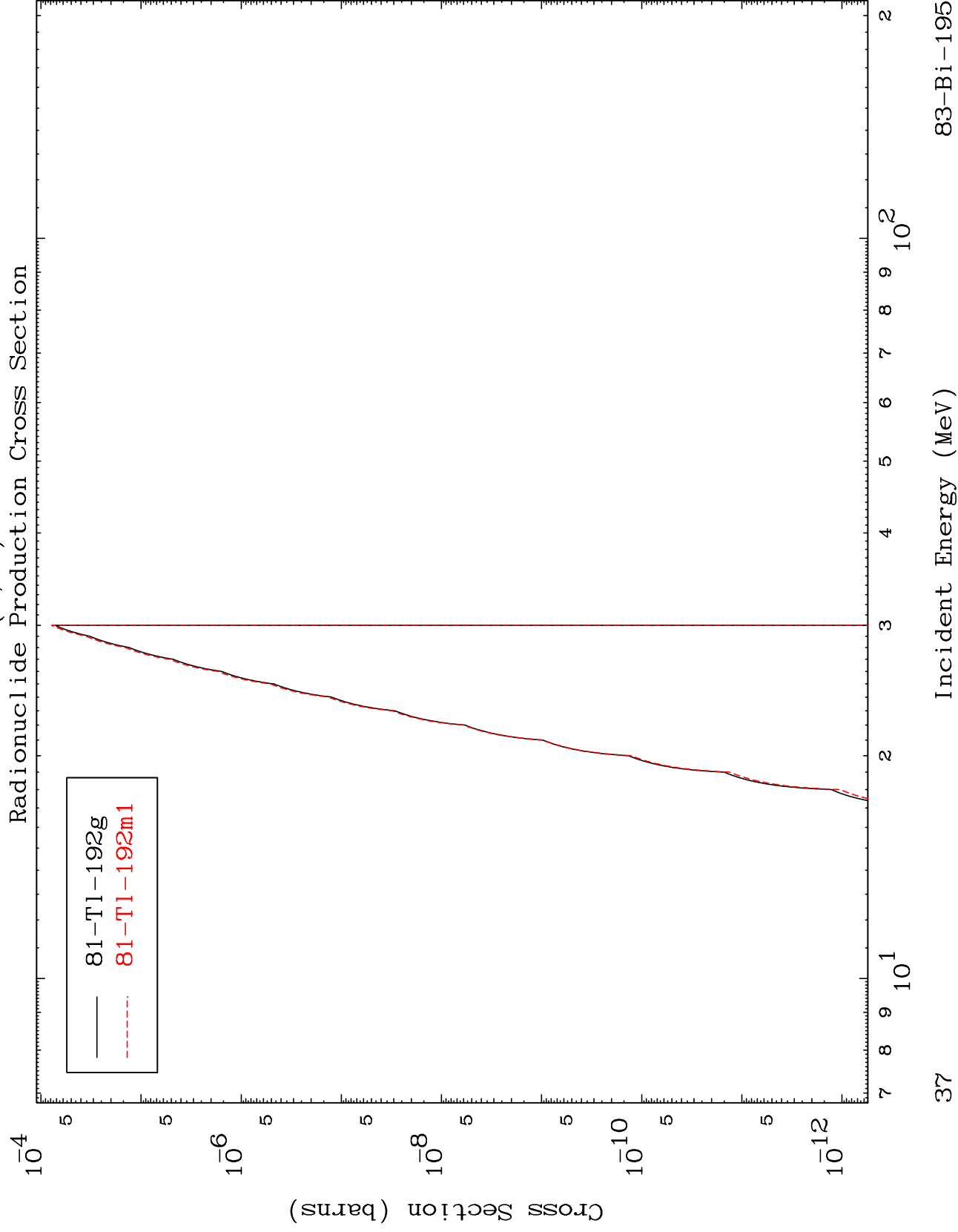
Incident Energy (MeV)

83-Bi-195

MAT 8283

(n,n') He-3

83-Bi-195



37

Incident Energy (MeV)

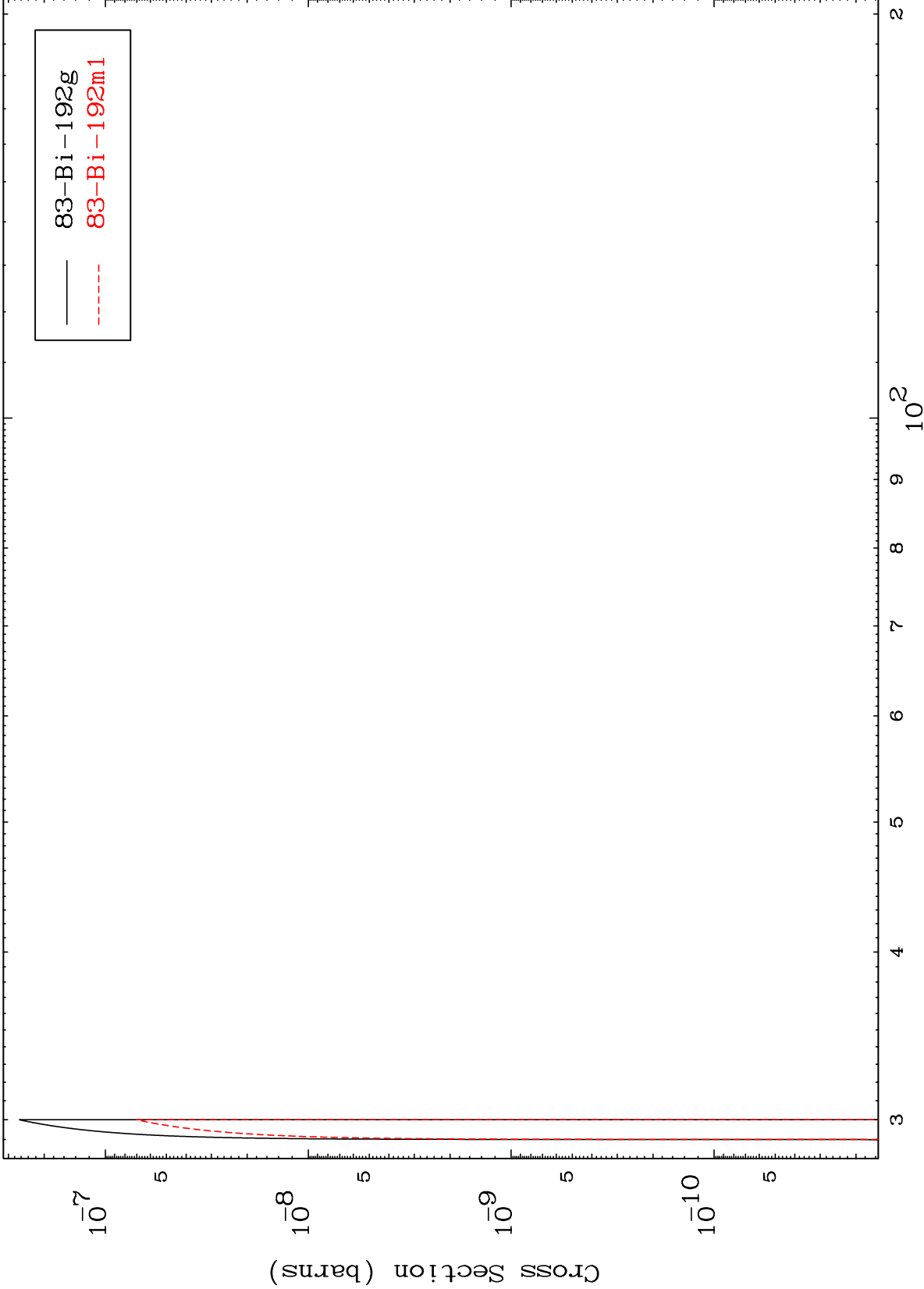
83-Bi-195

MAT 8283

(n,4n)

83-Bi-195

Radionuclide Production Cross Section



83-Bi-192g
83-Bi-192m1

38

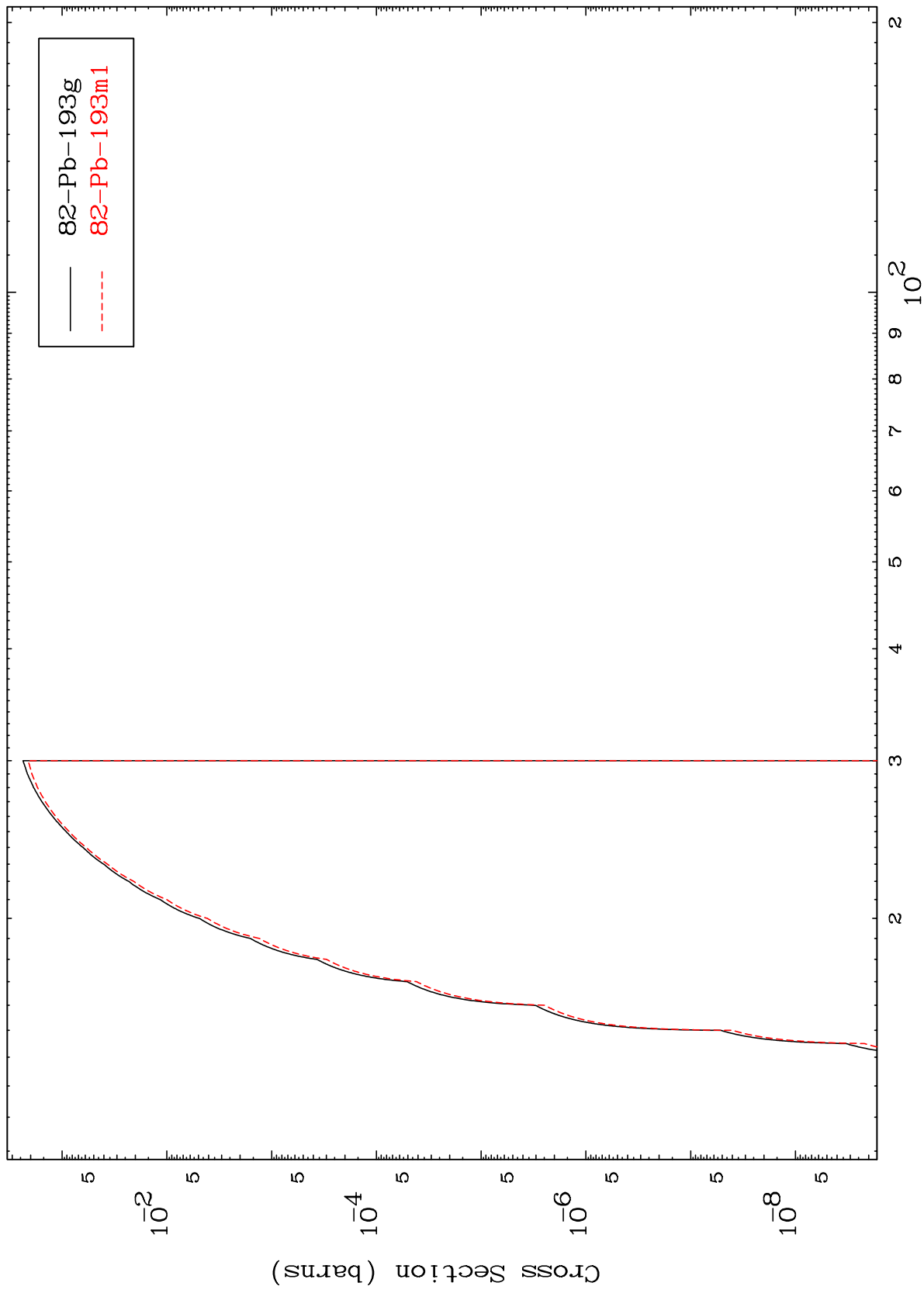
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

(n,2n) p
Radionuclide Production Cross Section



39

Incident Energy (MeV)

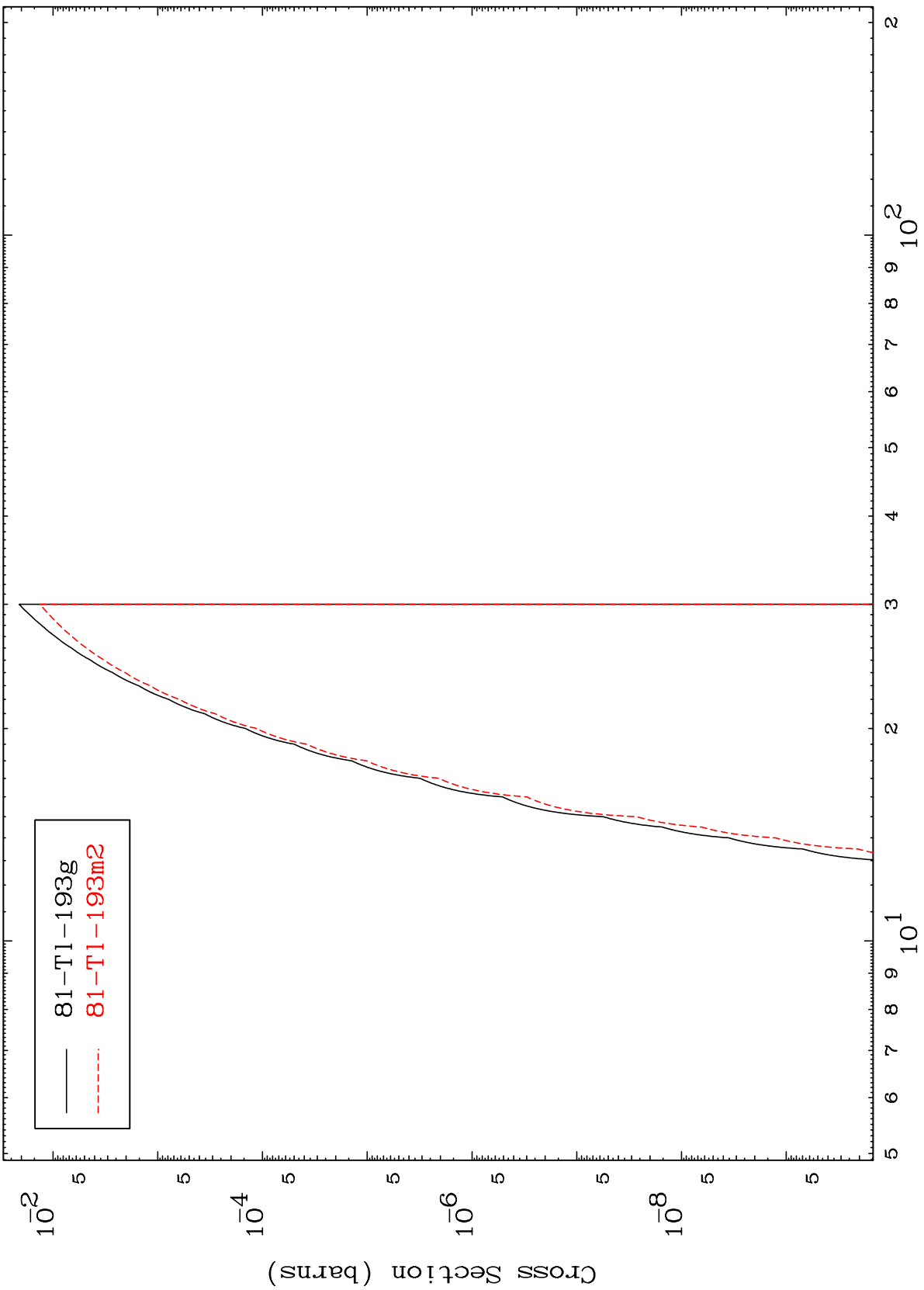
83-Bi-195

MAT 8283

(n,2n) p

83-Bi-195

Radionuclide Production Cross Section



40

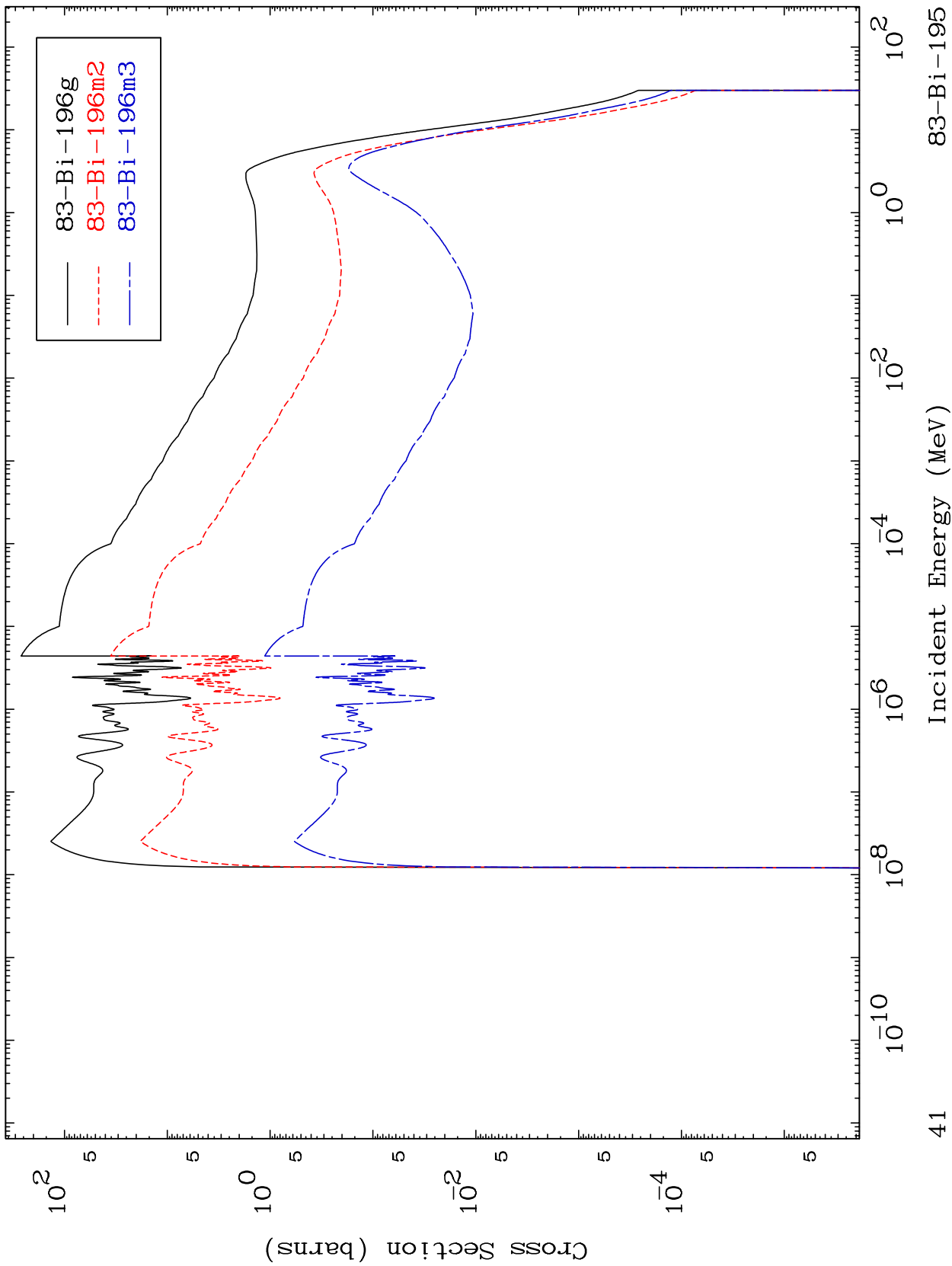
Incident Energy (MeV)

83-Bi-195

MAT 8283

⁸³Bi-195

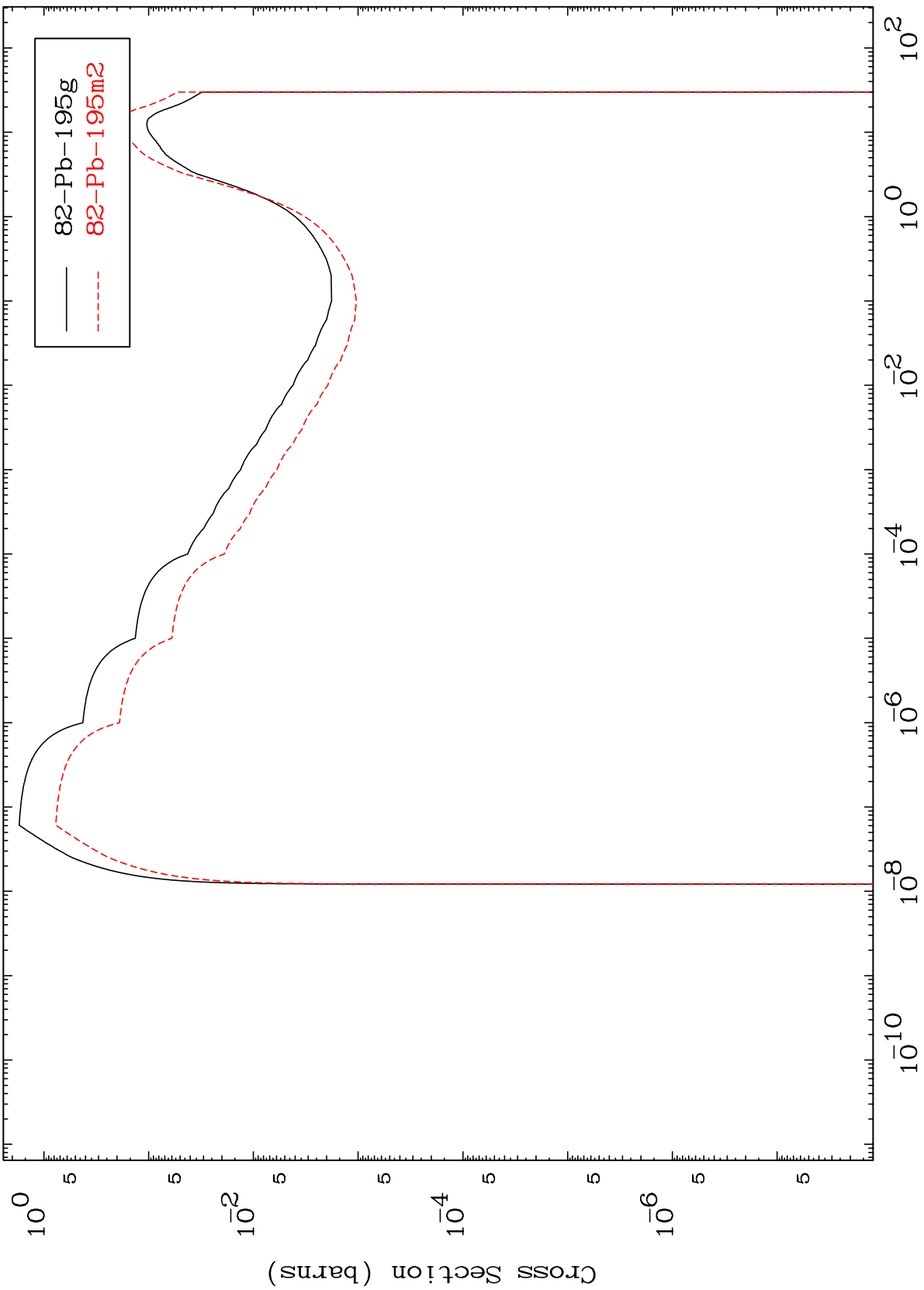
(n,γ)
Radionuclide Production Cross Section



MAT 8283

83-Bi-195

(n,p)
Radionuclide Production Cross Section



42

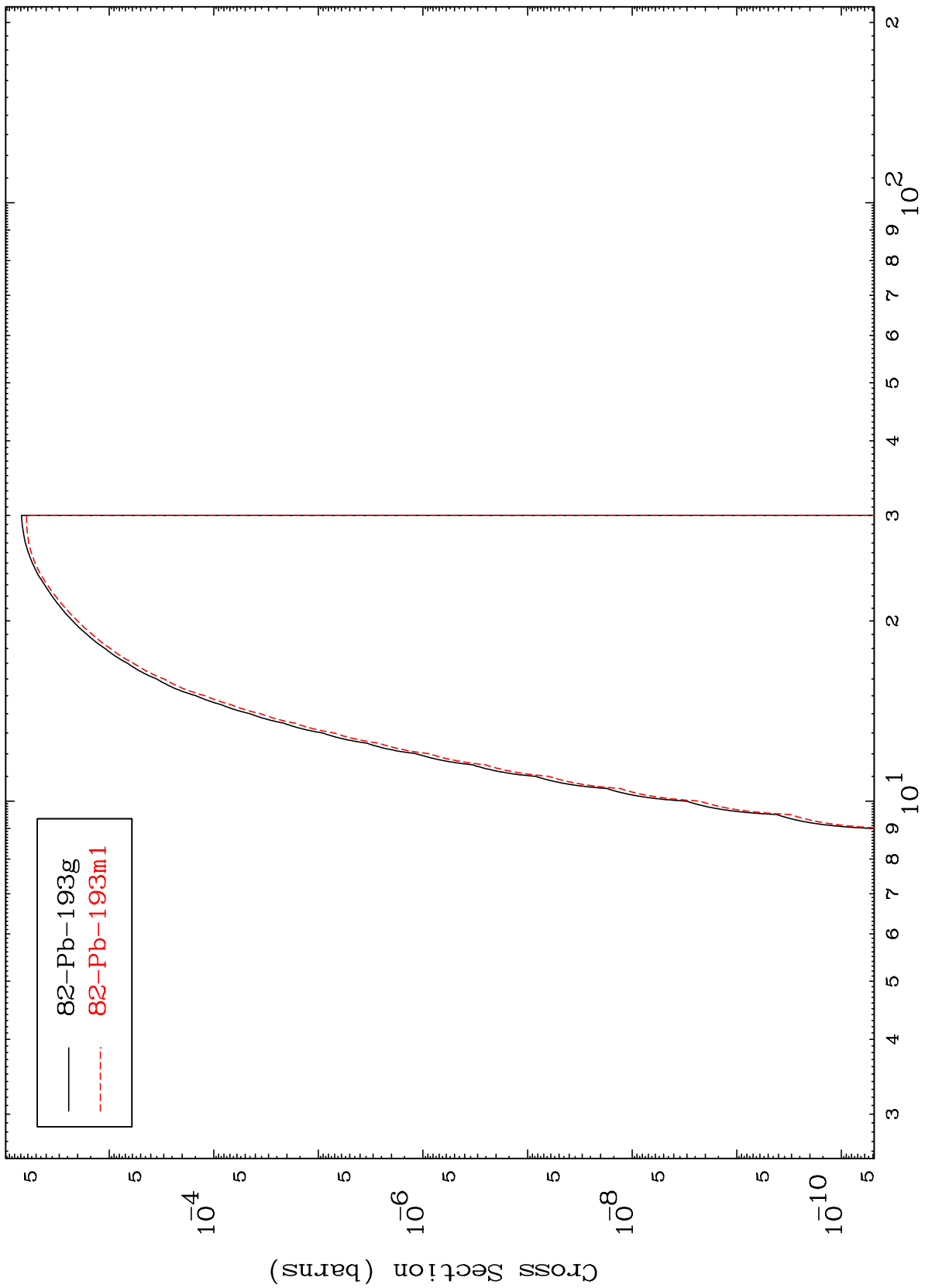
83-Bi-195

Incident Energy (MeV)

MAT 8283

83-Bi-195

(n, t)
Radionuclide Production Cross Section



43

Incident Energy (MeV)

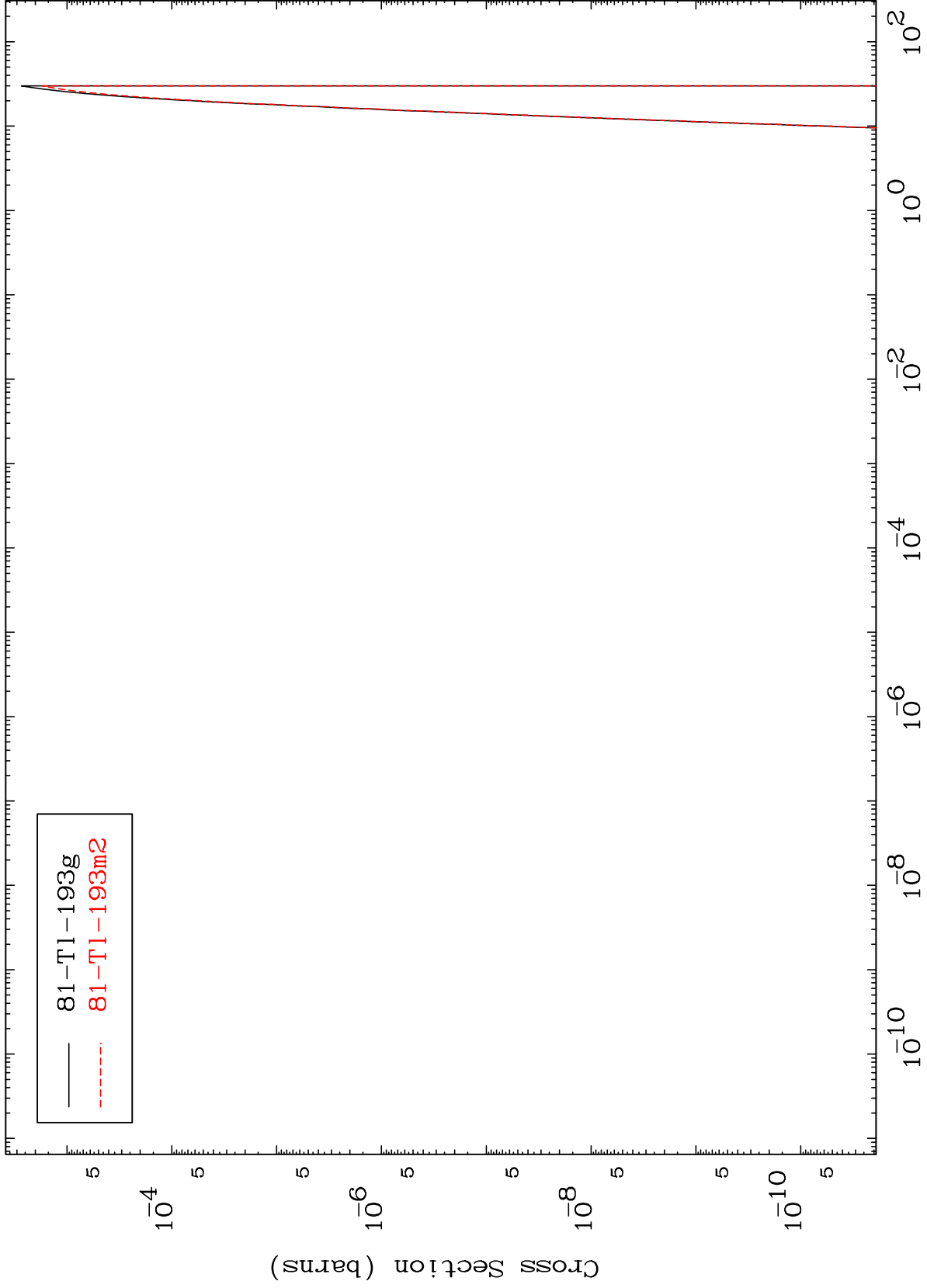
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MAT 8283

(n,He-3)

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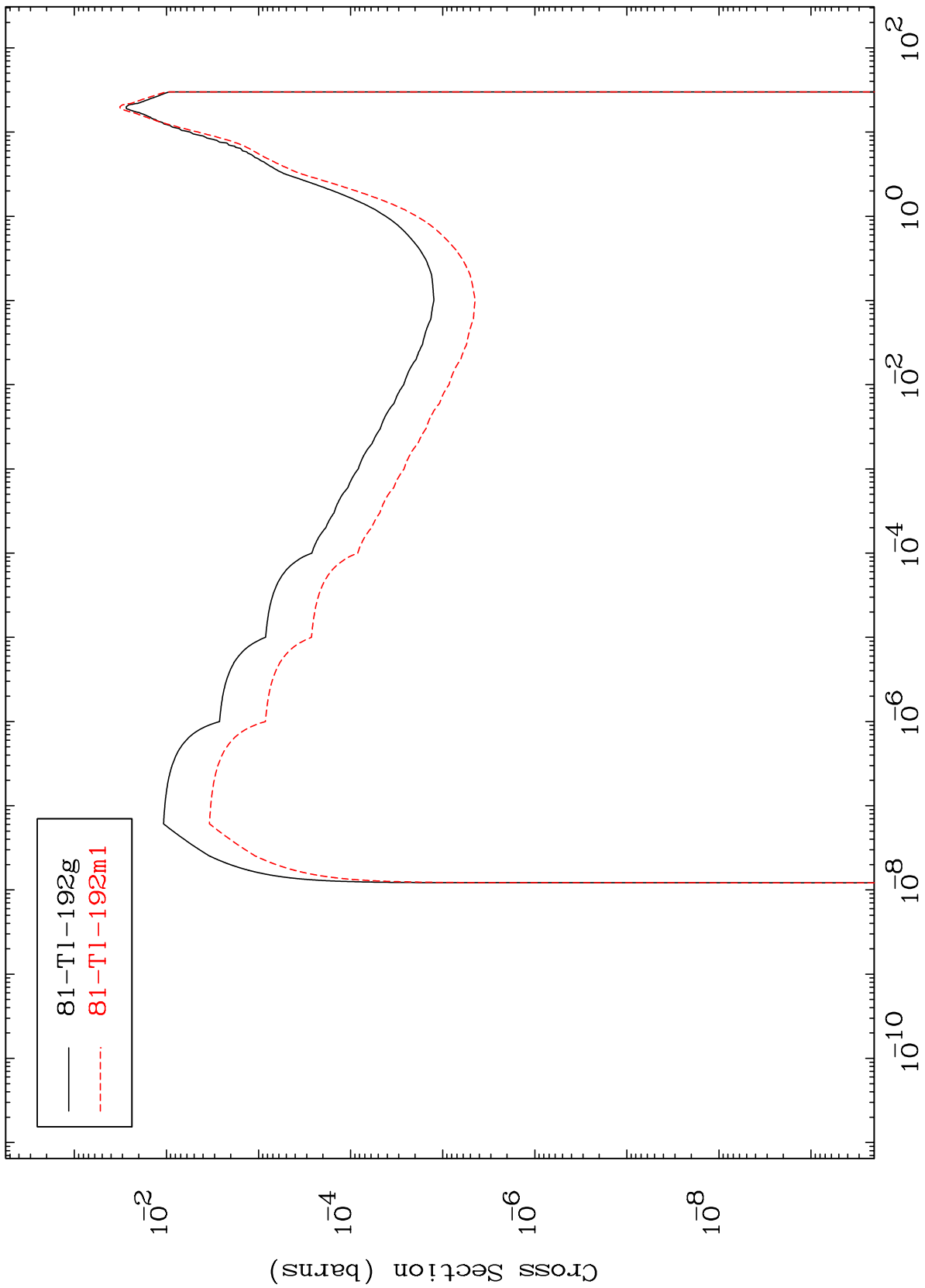
Radionuclide Production Cross Section



MAT 8283

83-Bi-195

Radionuclide Production Cross Section
(n, α)



45

83-Bi-195

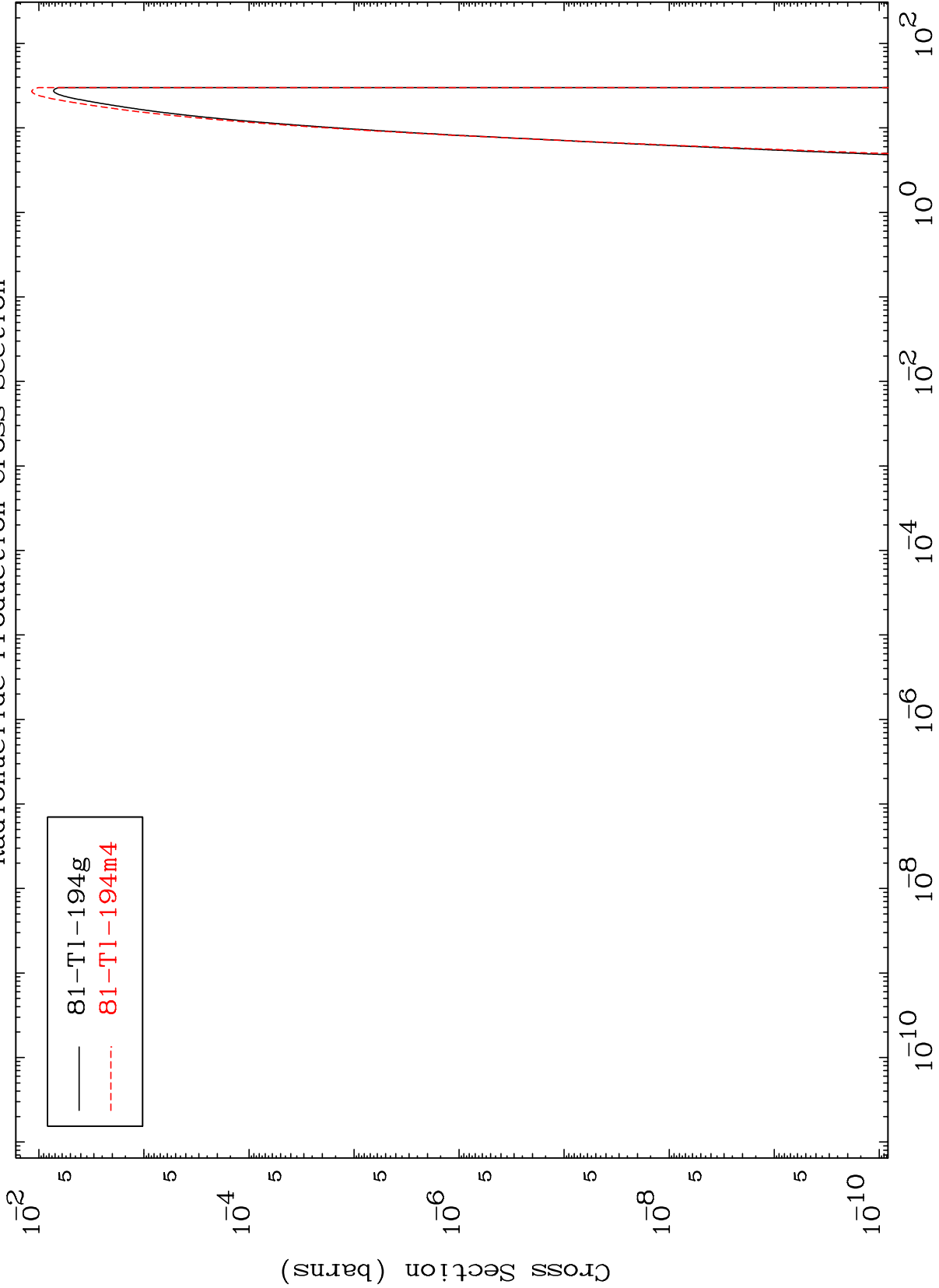
Incident Energy (MeV)

MAT 8283

(n,2p)

83-Bi-195

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m4

Incident Energy (MeV)

83-Bi-195

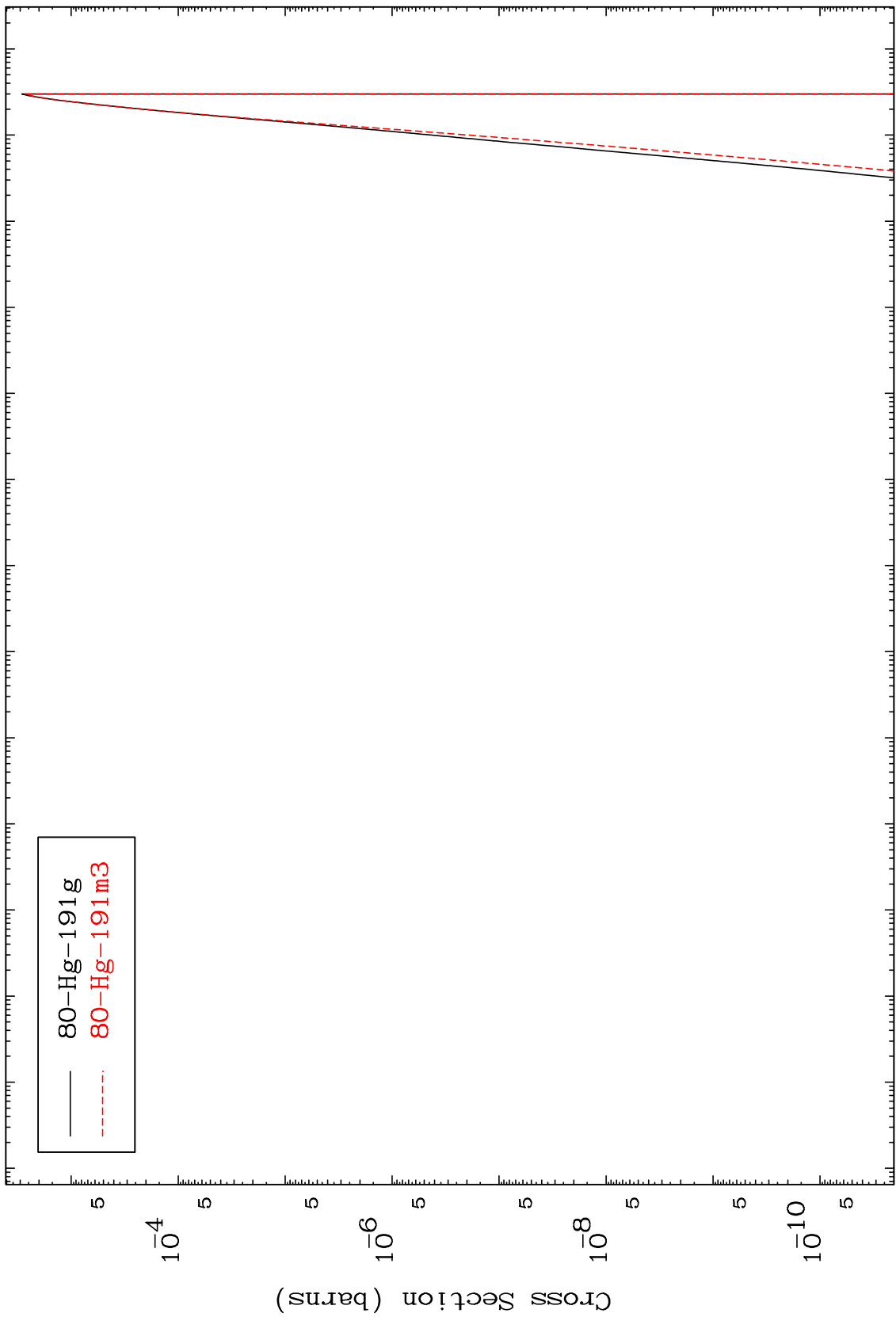
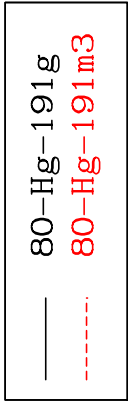
46

MAT 8283

(n,p) α

83-Bi-195

Radionuclide Production Cross Section



83-Bi-195

10^2

10^0

10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

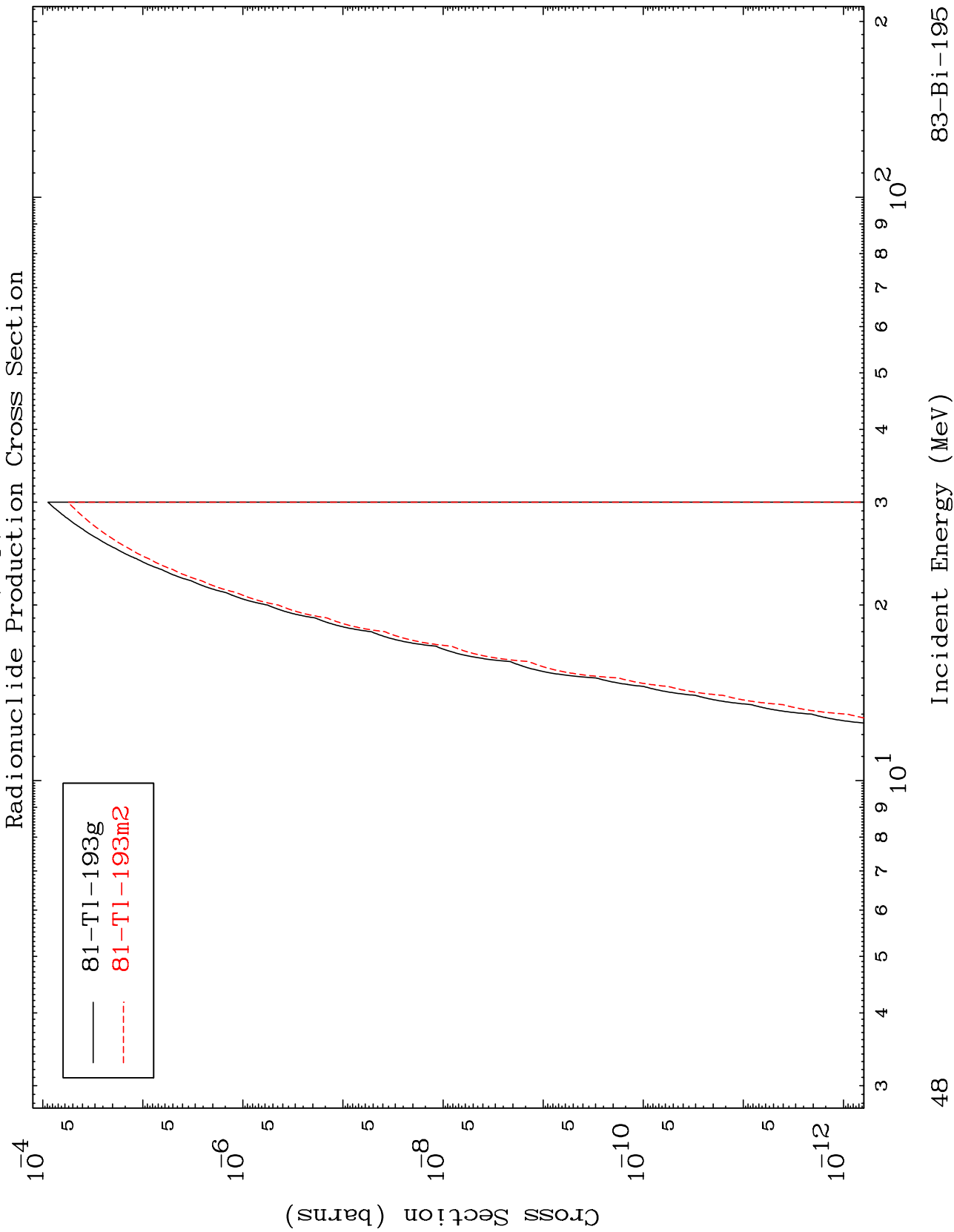
Incident Energy (MeV)

83-Bi-195

MAT 8283

(n,p) d

83-Bi-195

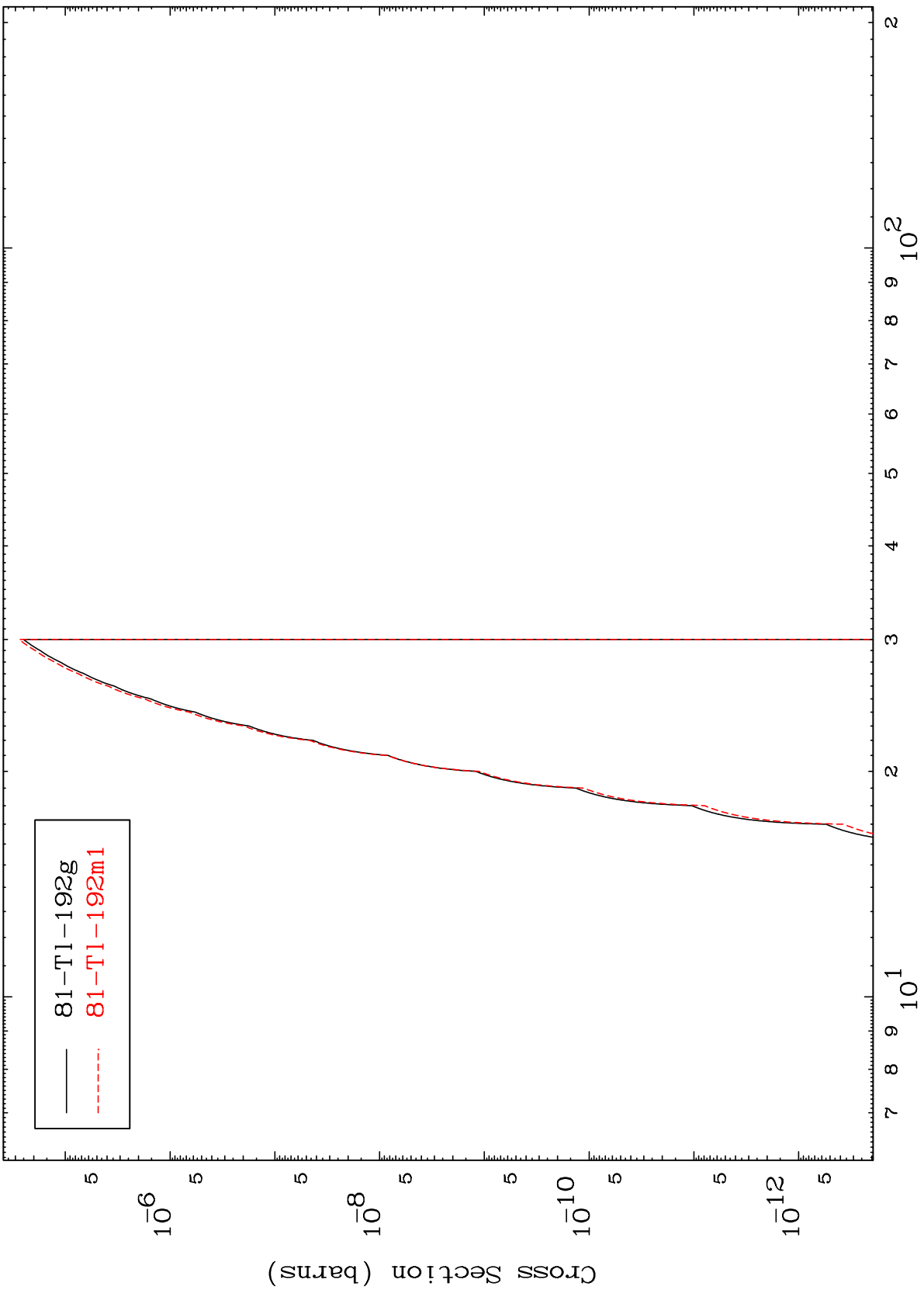


MAT 8283

(n,p) t

83-Bi-195

Radionuclide Production Cross Section



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

49

Incident Energy (MeV)

83-Bi-195