

Program EVALPLOT
(Version 2018-1)

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:redcullen1.net/HOMEPAGE.NEW

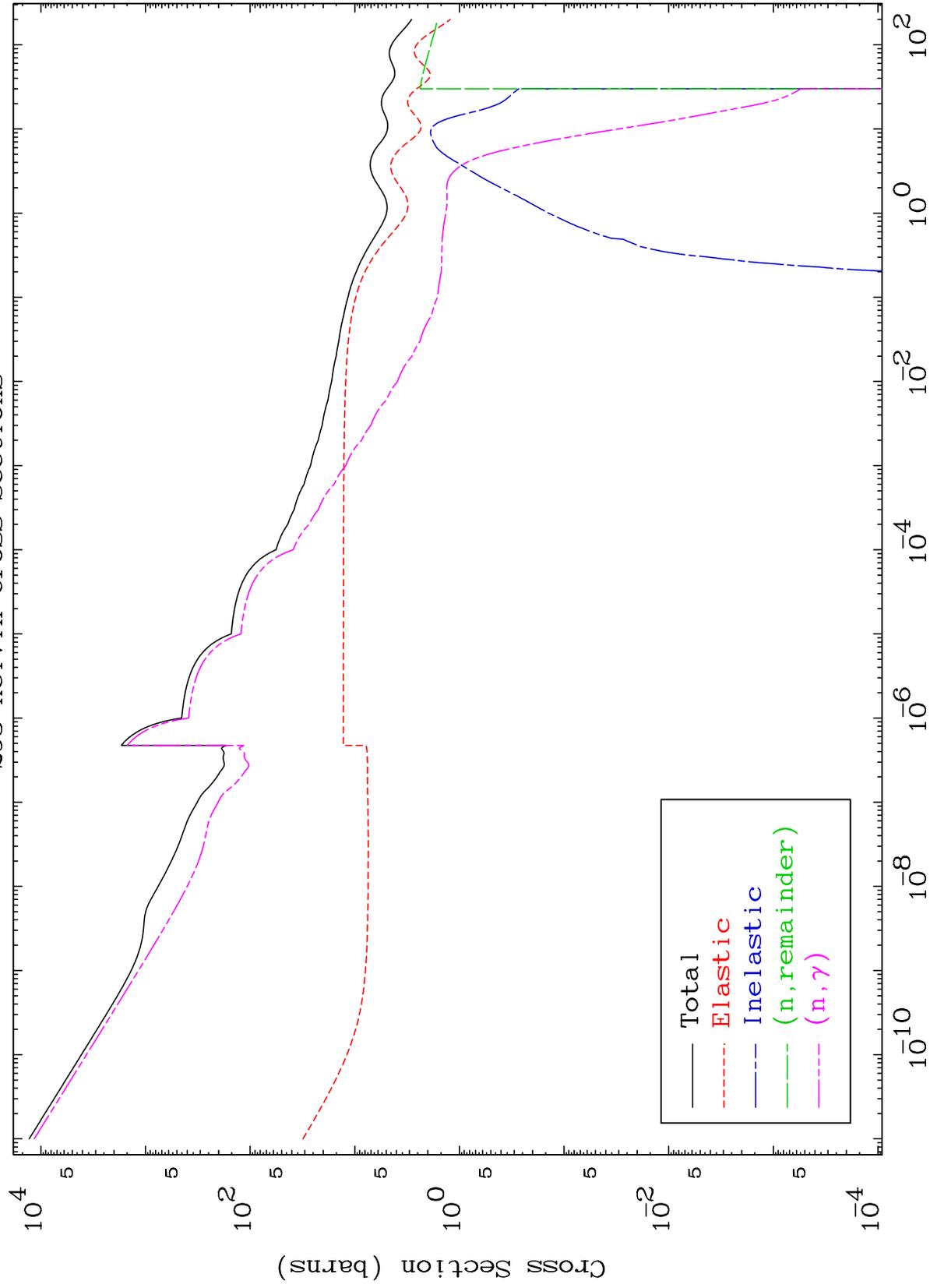
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MAT 8274

Major

293 Kelvin Cross Sections

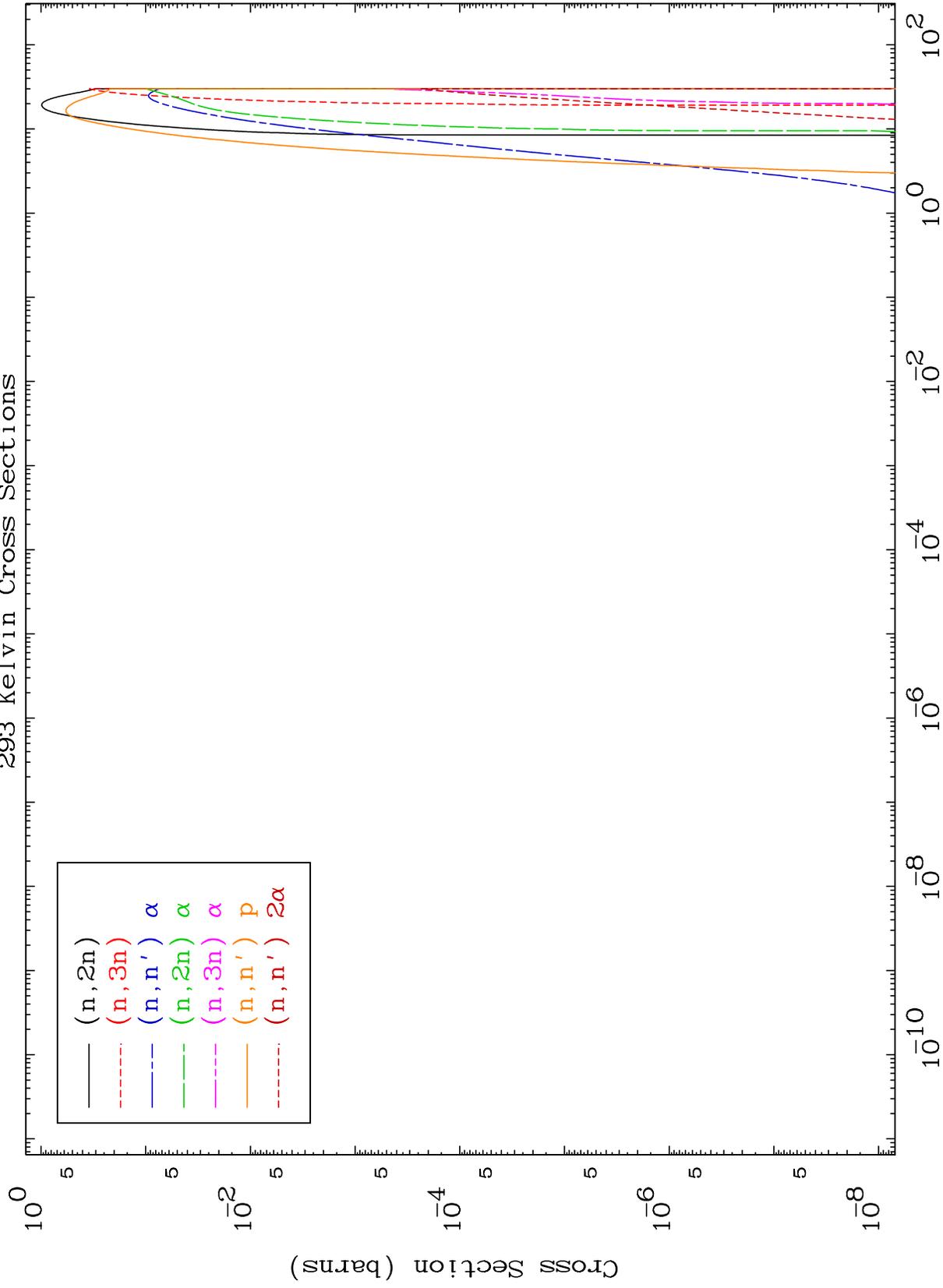
83-Bi-192



MAT 8274

Neutron Production
293 Kelvin Cross Sections

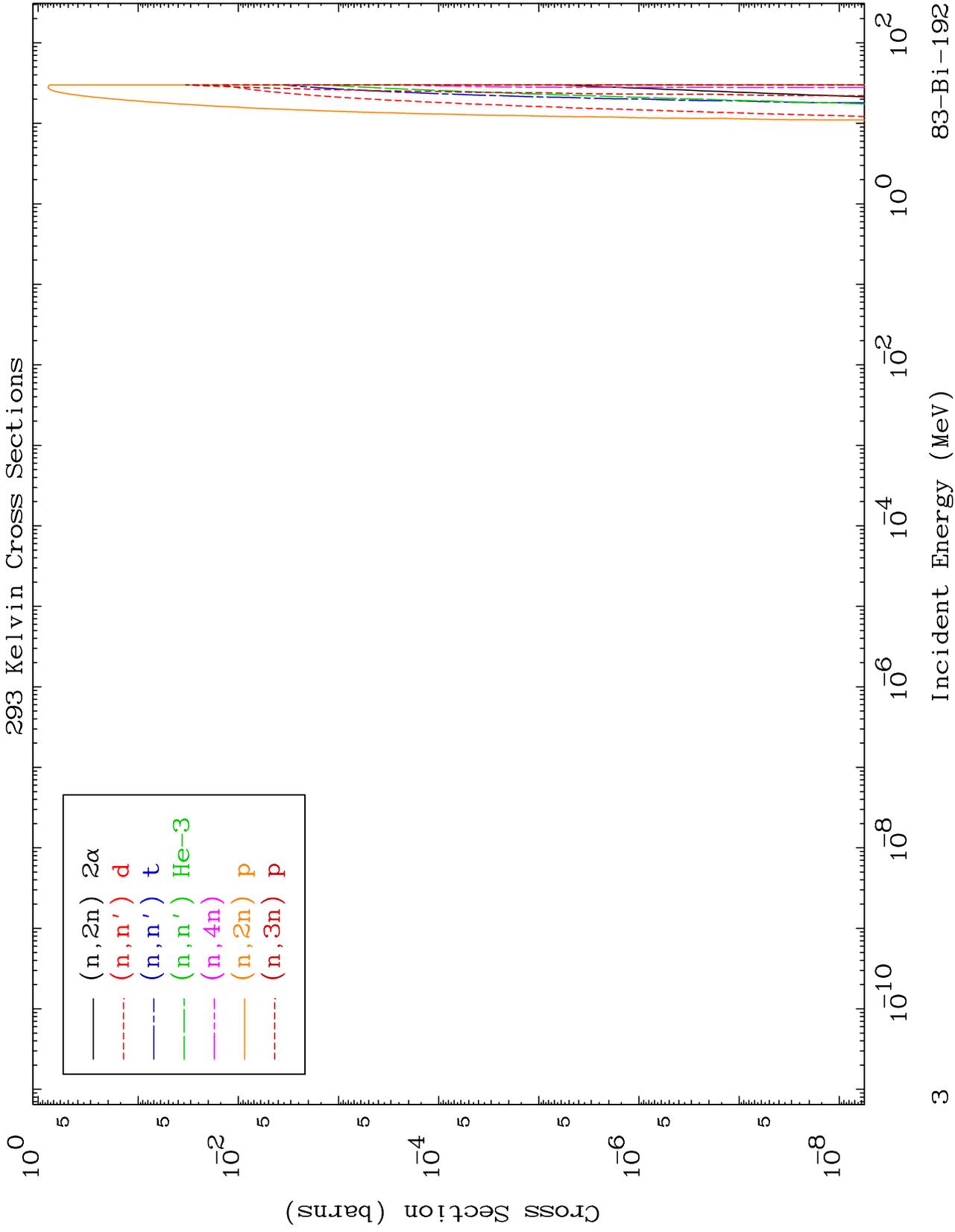
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MAT 8274

Neutron Production
293 Kelvin Cross Sections

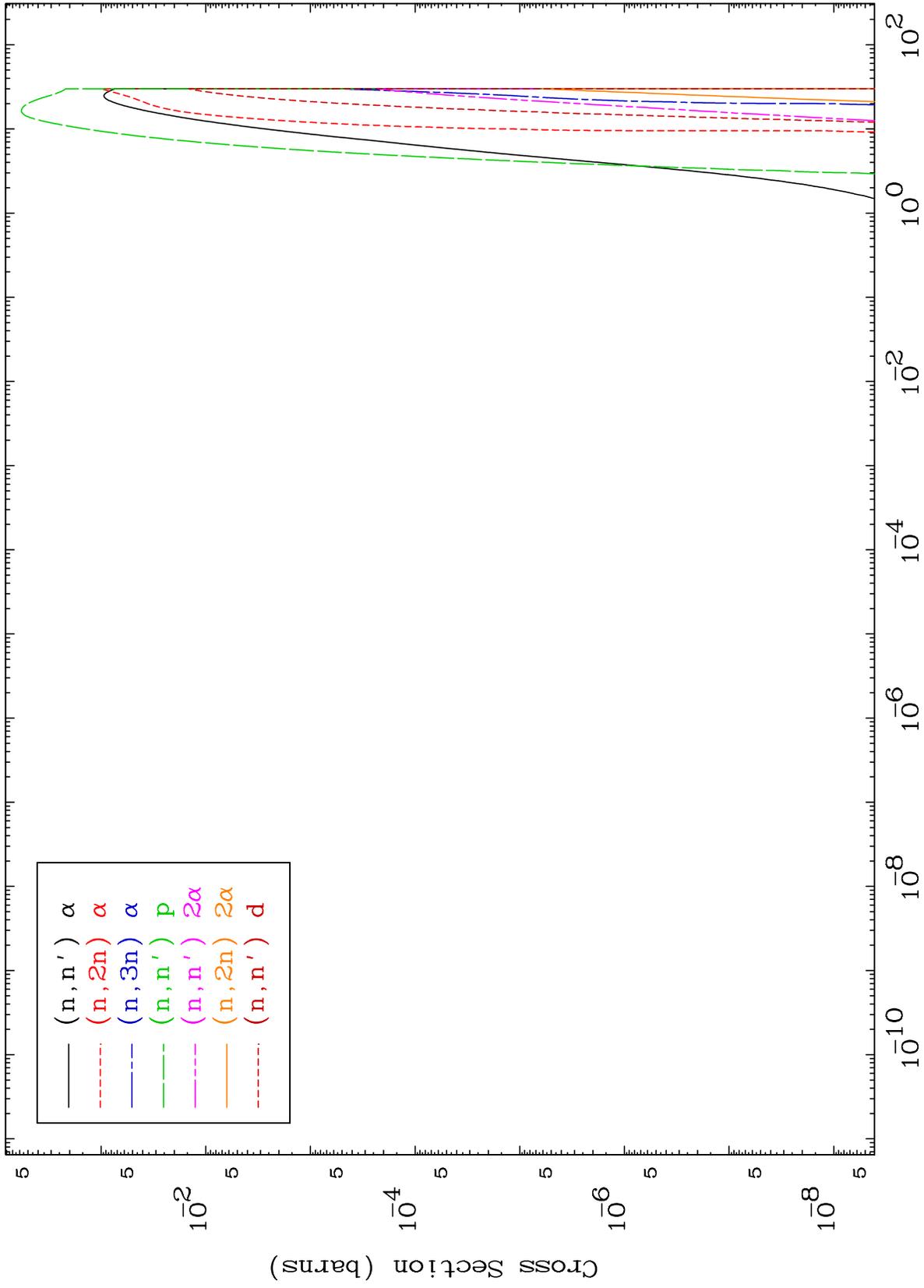
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MAT 8274

Charged Particle
293 Kelvin Cross Sections

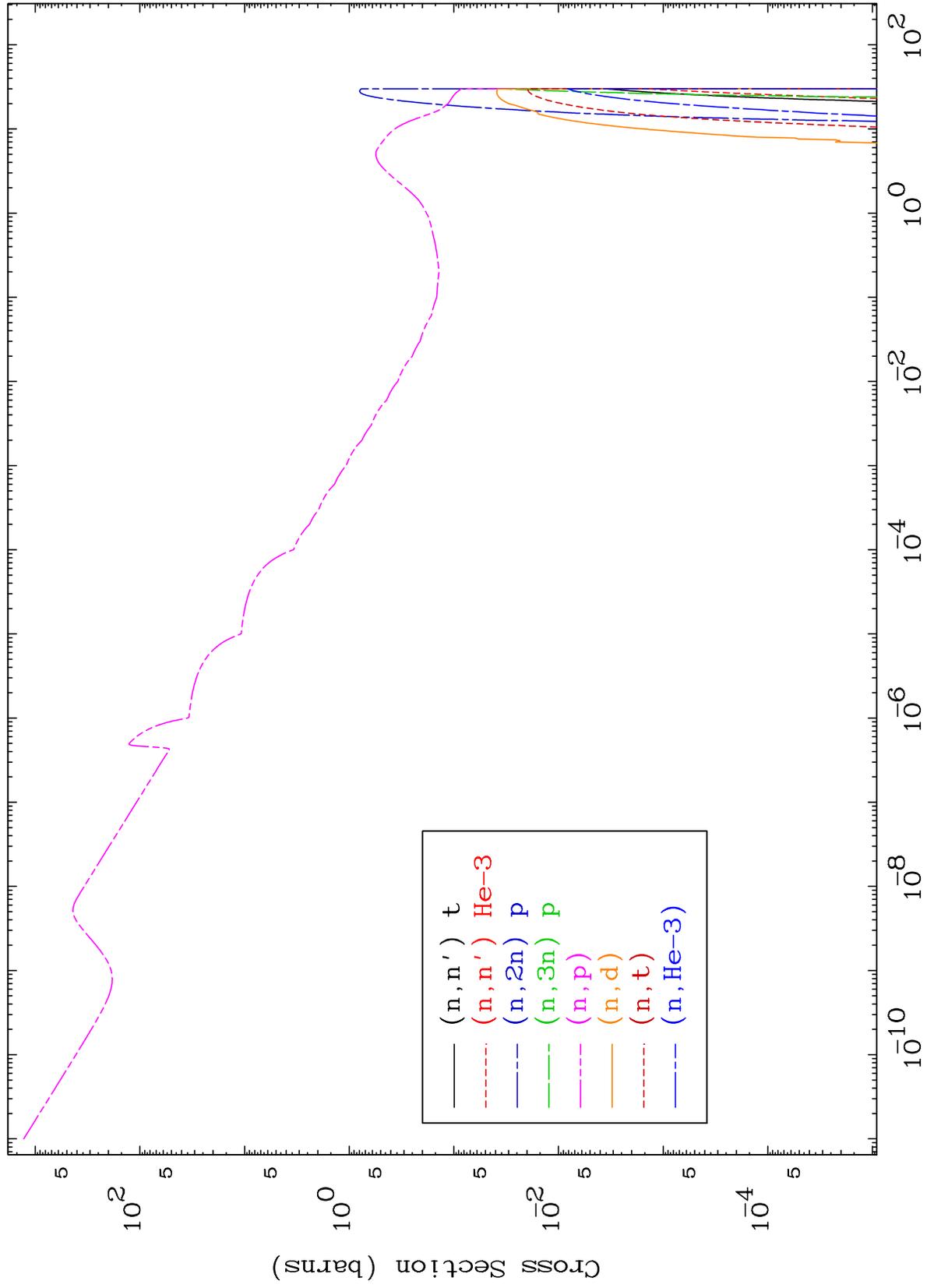
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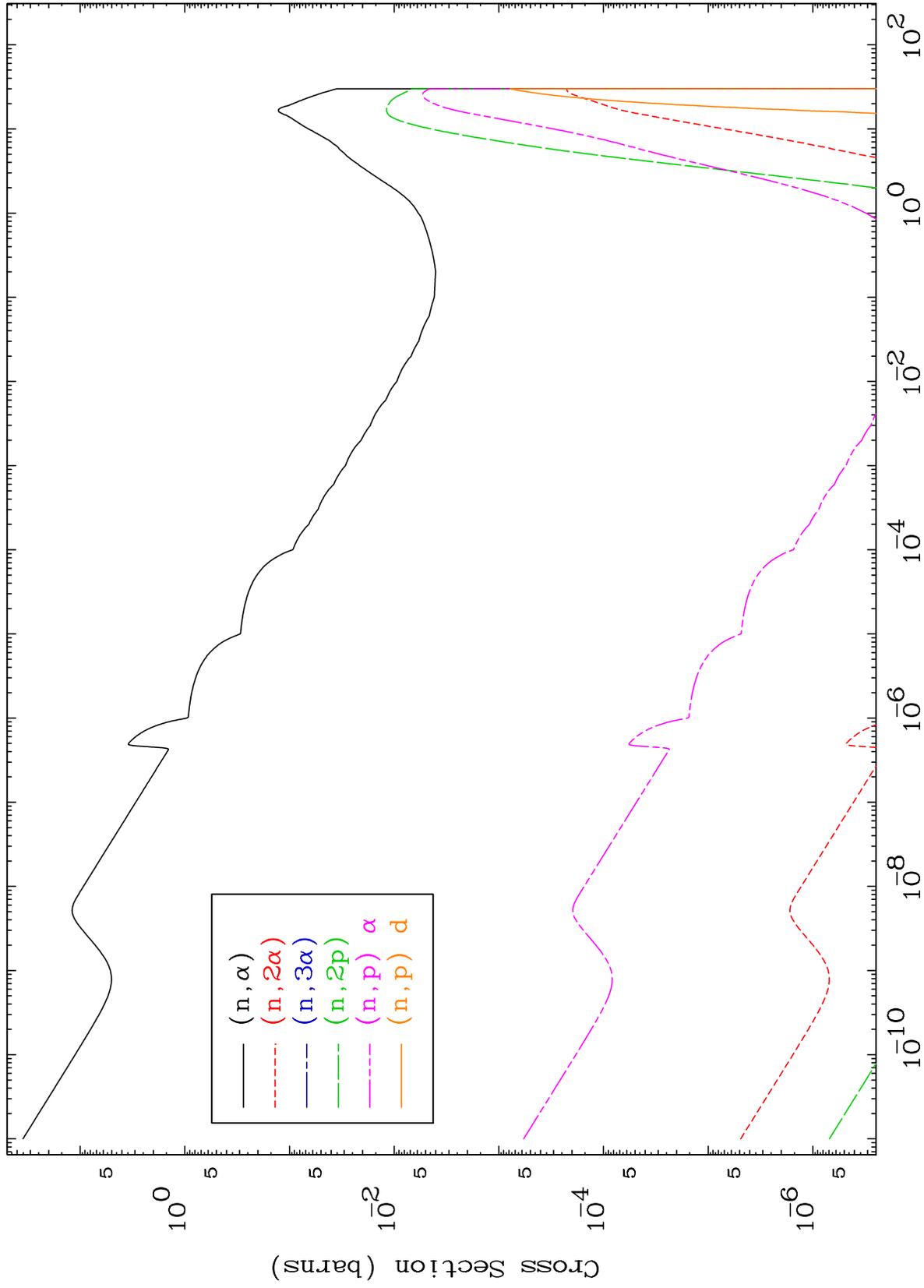
MAT 8274

Charged Particle
293 Kelvin Cross Sections

83-Bi-192



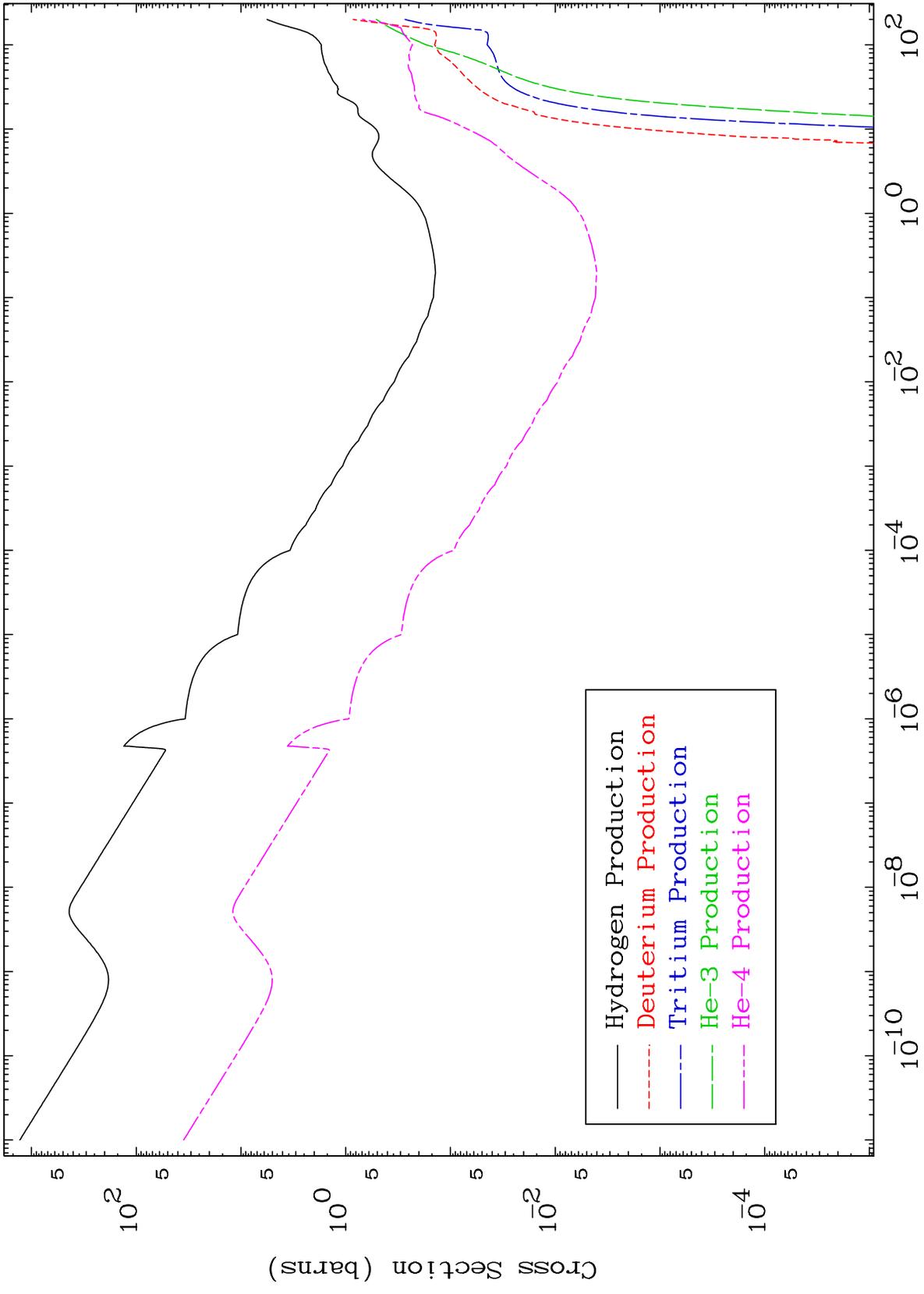
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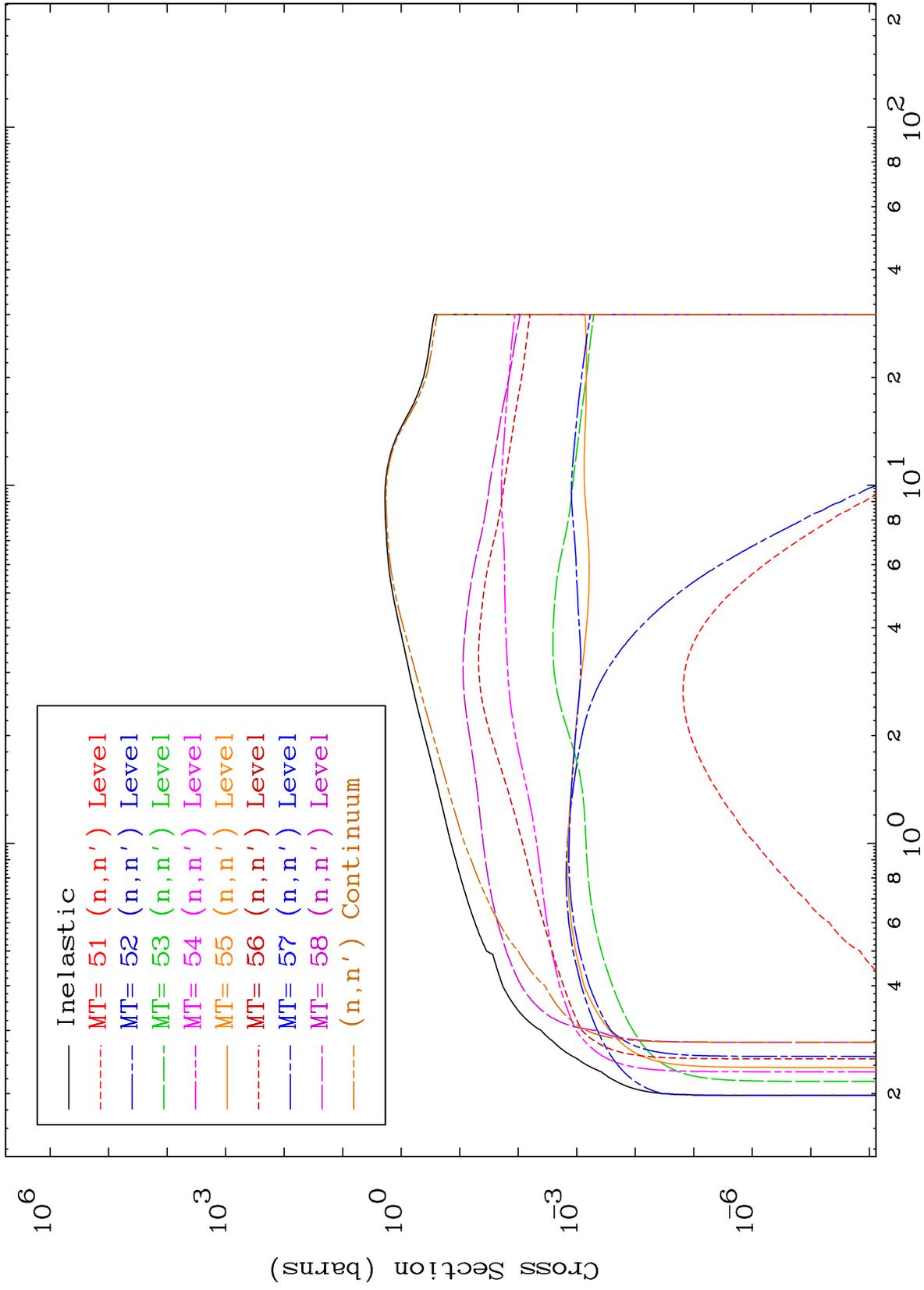
MAT 8274

Particle Production
293 Kelvin Cross Sections

83-Bi-192



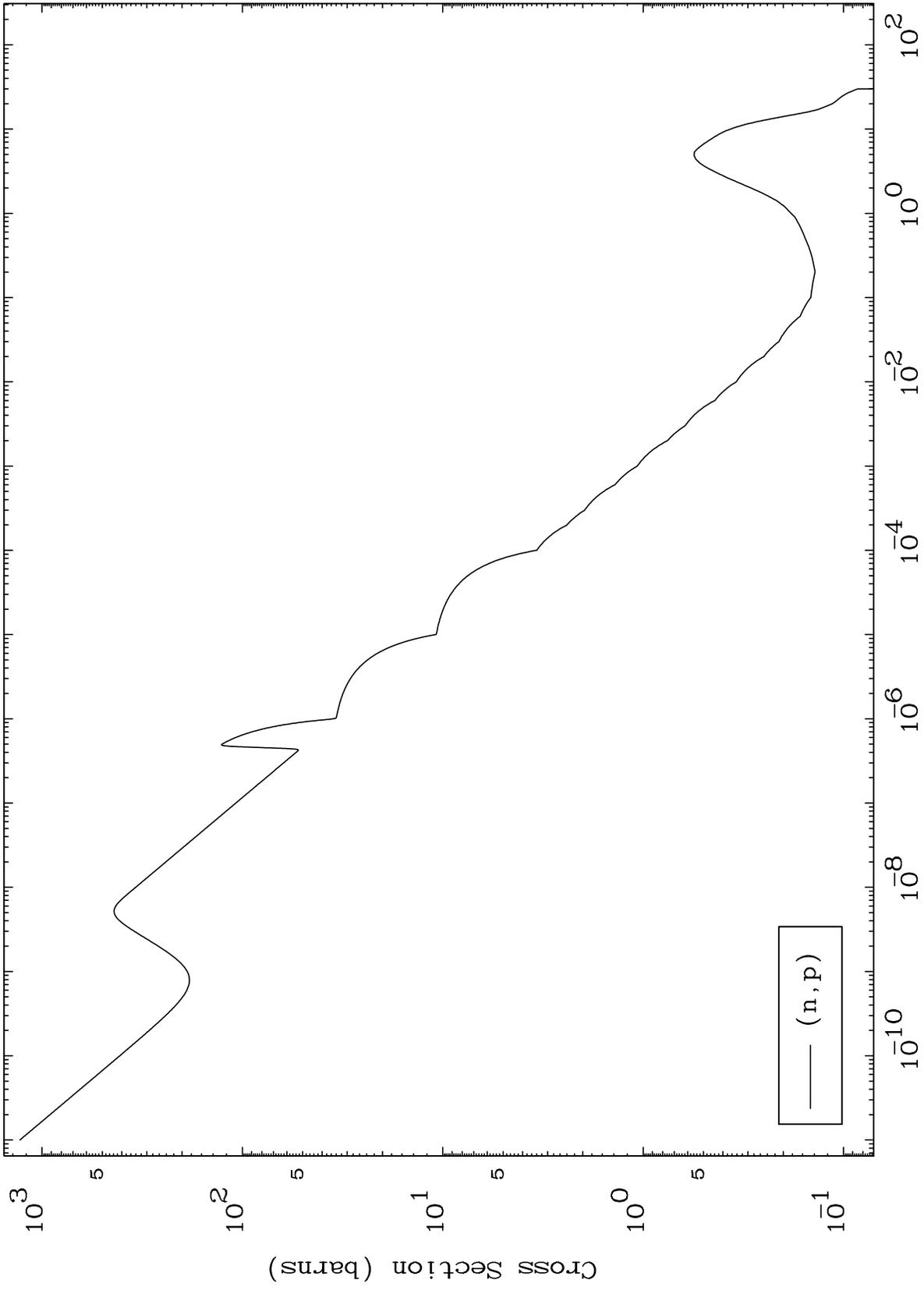
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MAT 8274

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-192

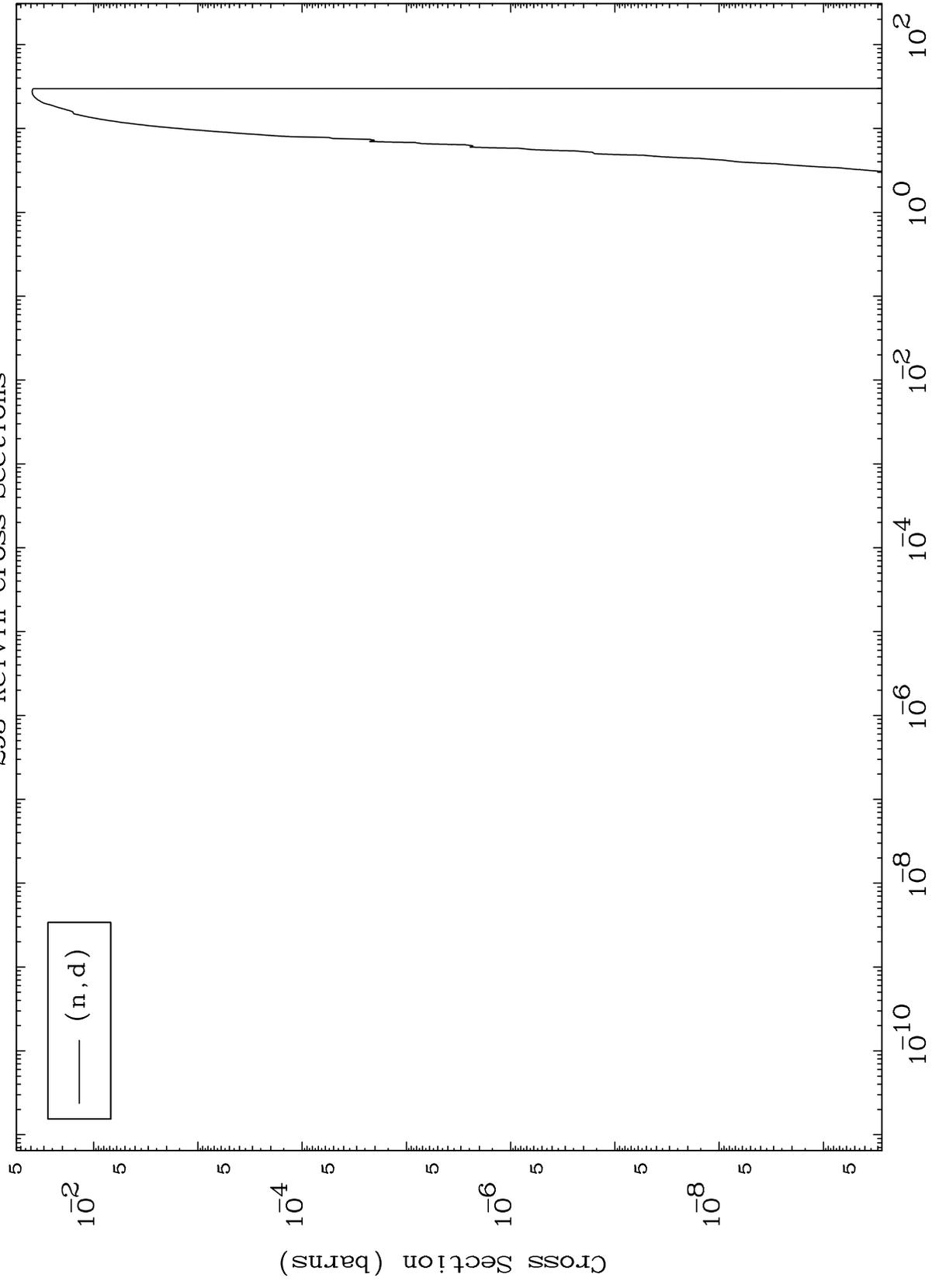


83-Bi-192

MAT 8274

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-192



10

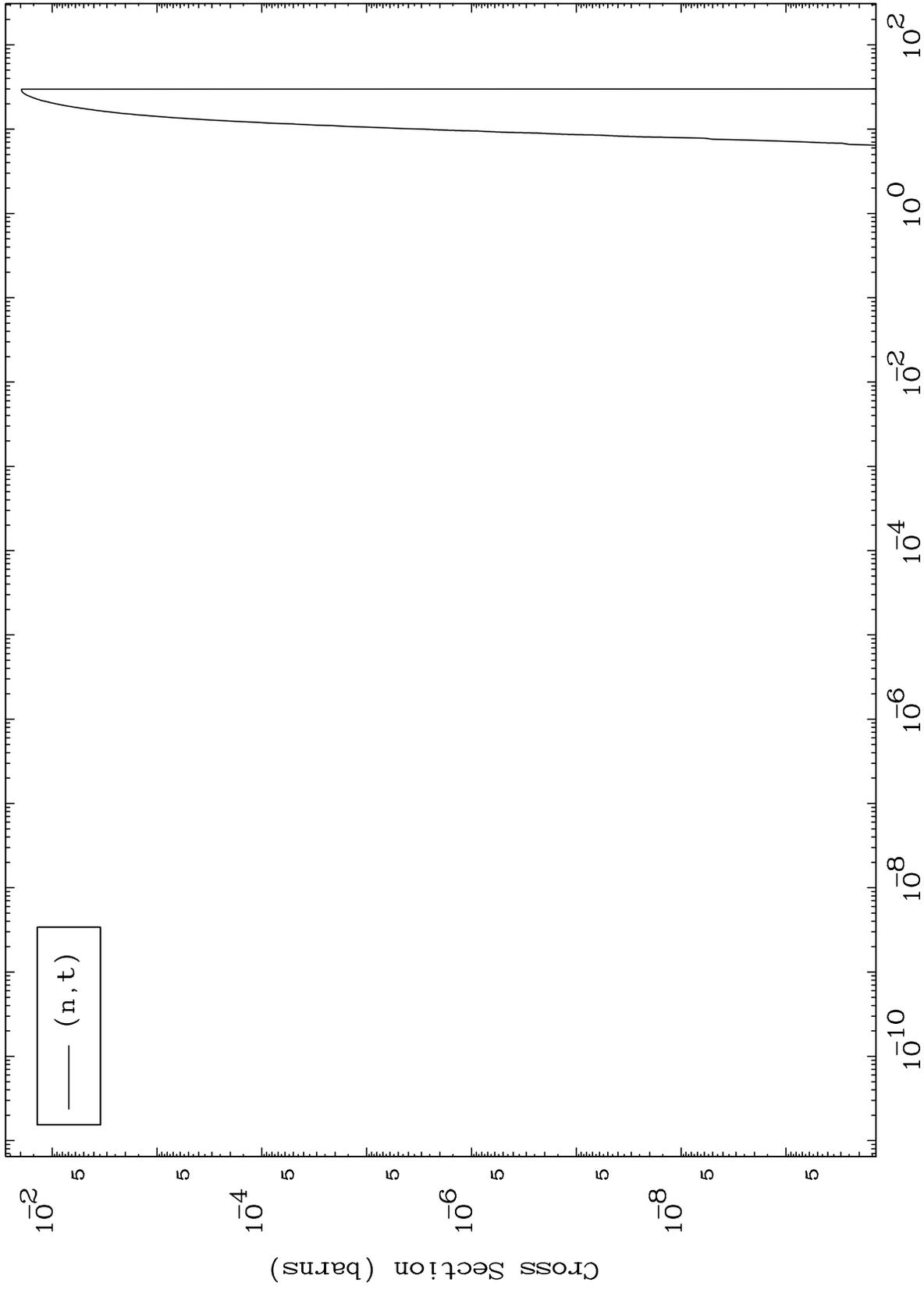
Incident Energy (MeV)

83-Bi-192

MAT 8274

(n,t) Levels
293 Kelvin Cross Sections

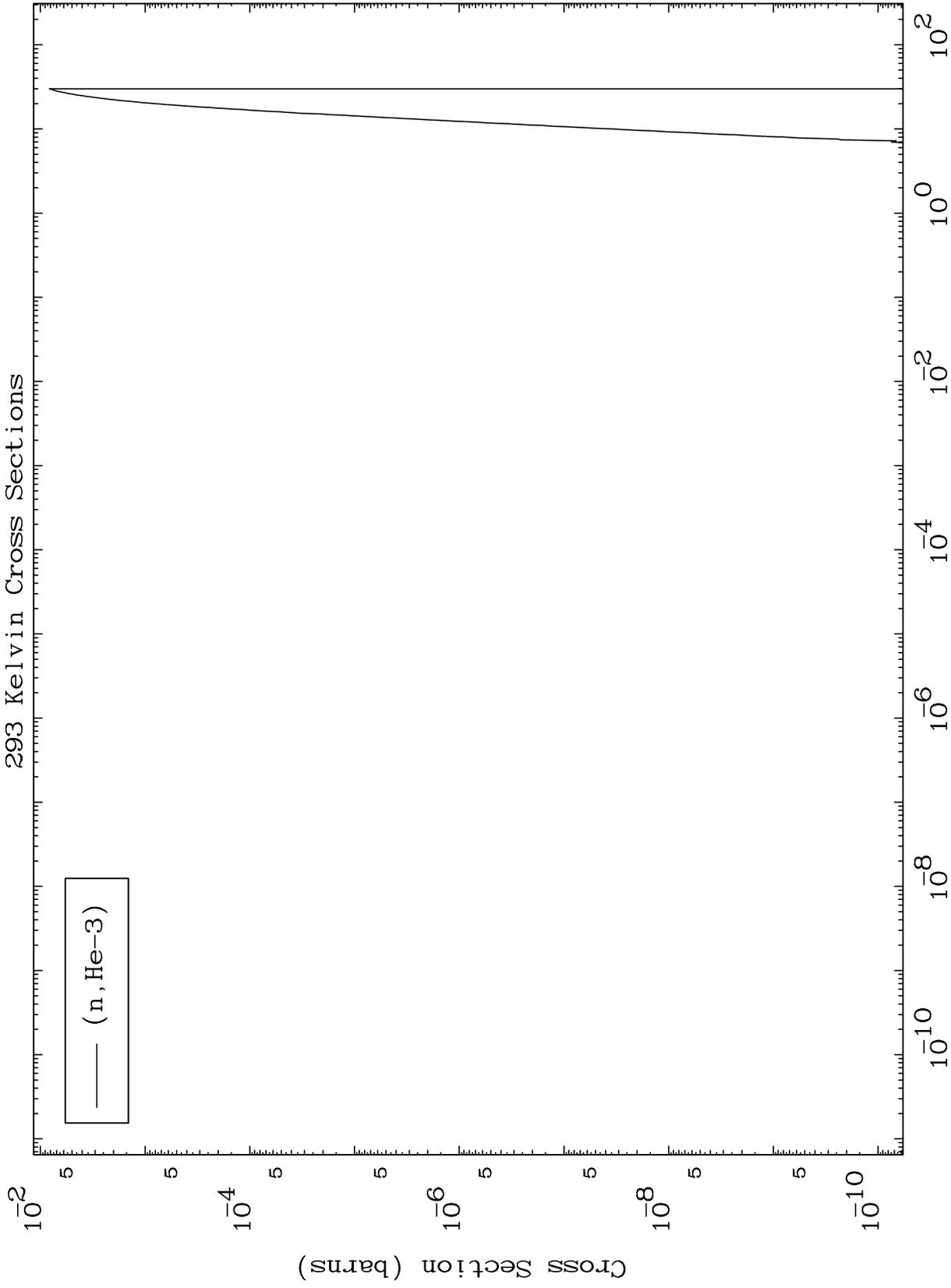
83-Bi-192



MAT 8274

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-192



12

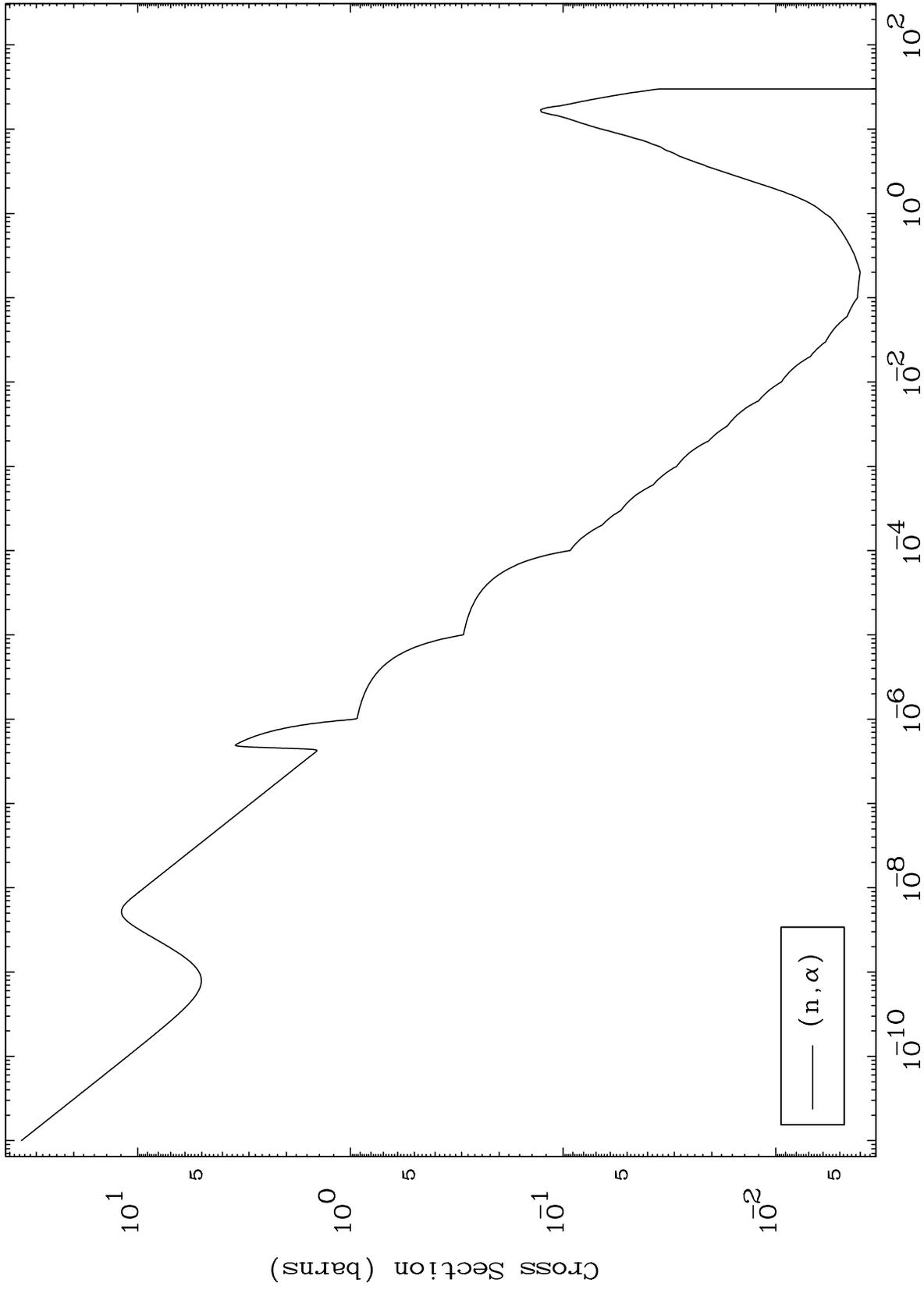
Incident Energy (MeV)

83-Bi-192

MAT 8274

(n,α) Levels
293 Kelvin Cross Sections

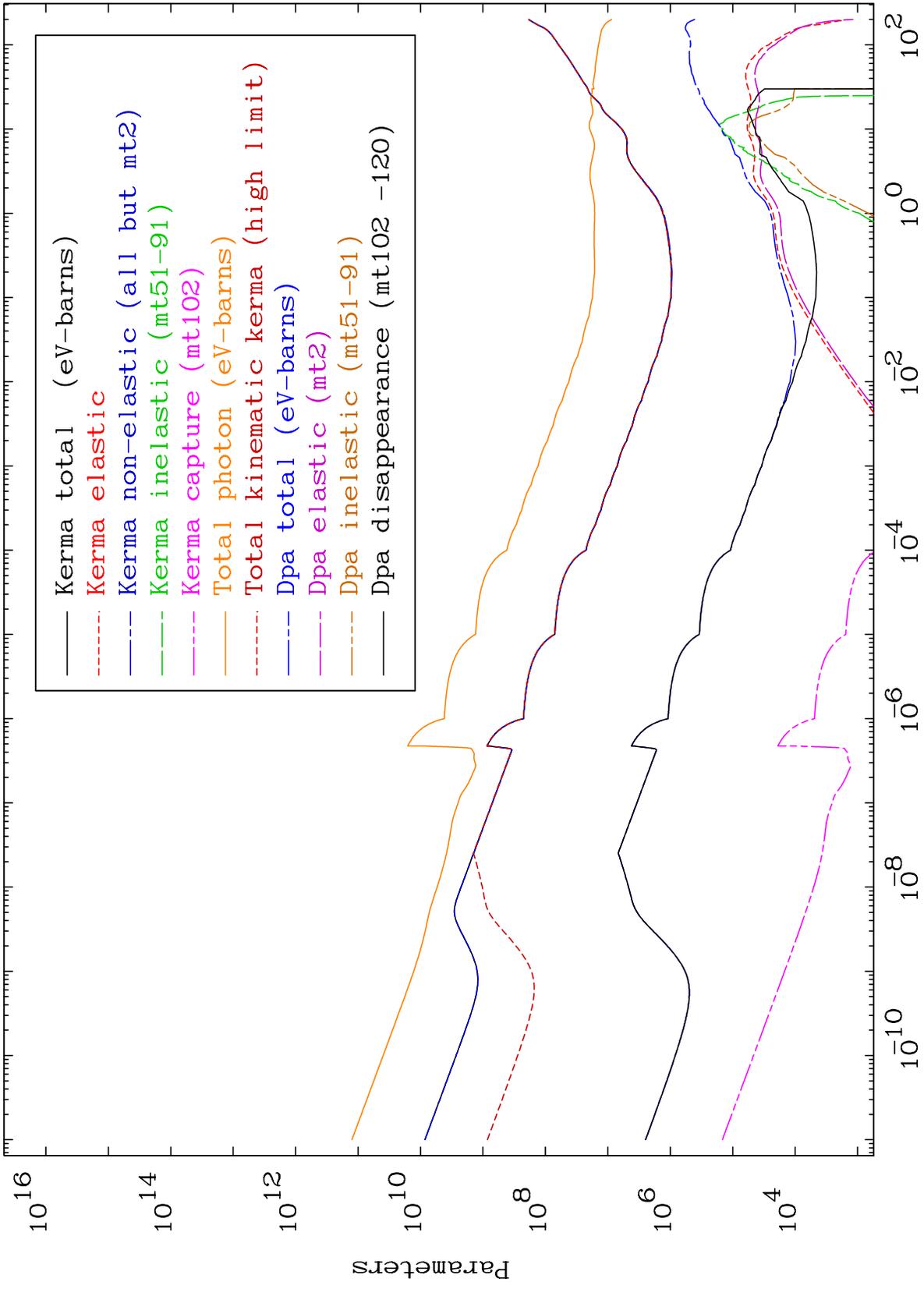
83-Bi-192



13

Incident Energy (MeV)

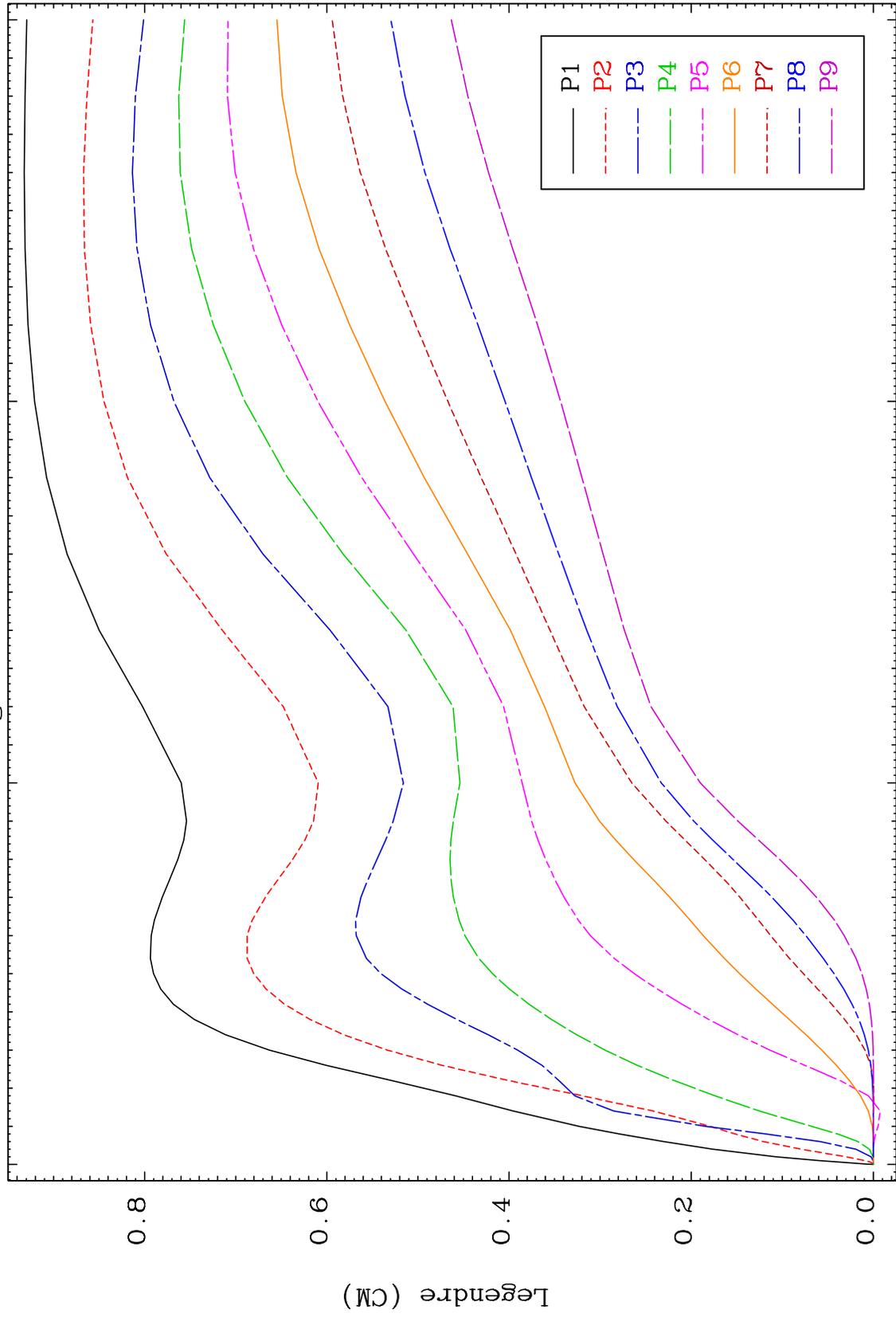
83-Bi-192



MAT 8274

Elastic Legendre Coefficients

$^{83}\text{Bi-192}$



15

Incident Energy (MeV)

20

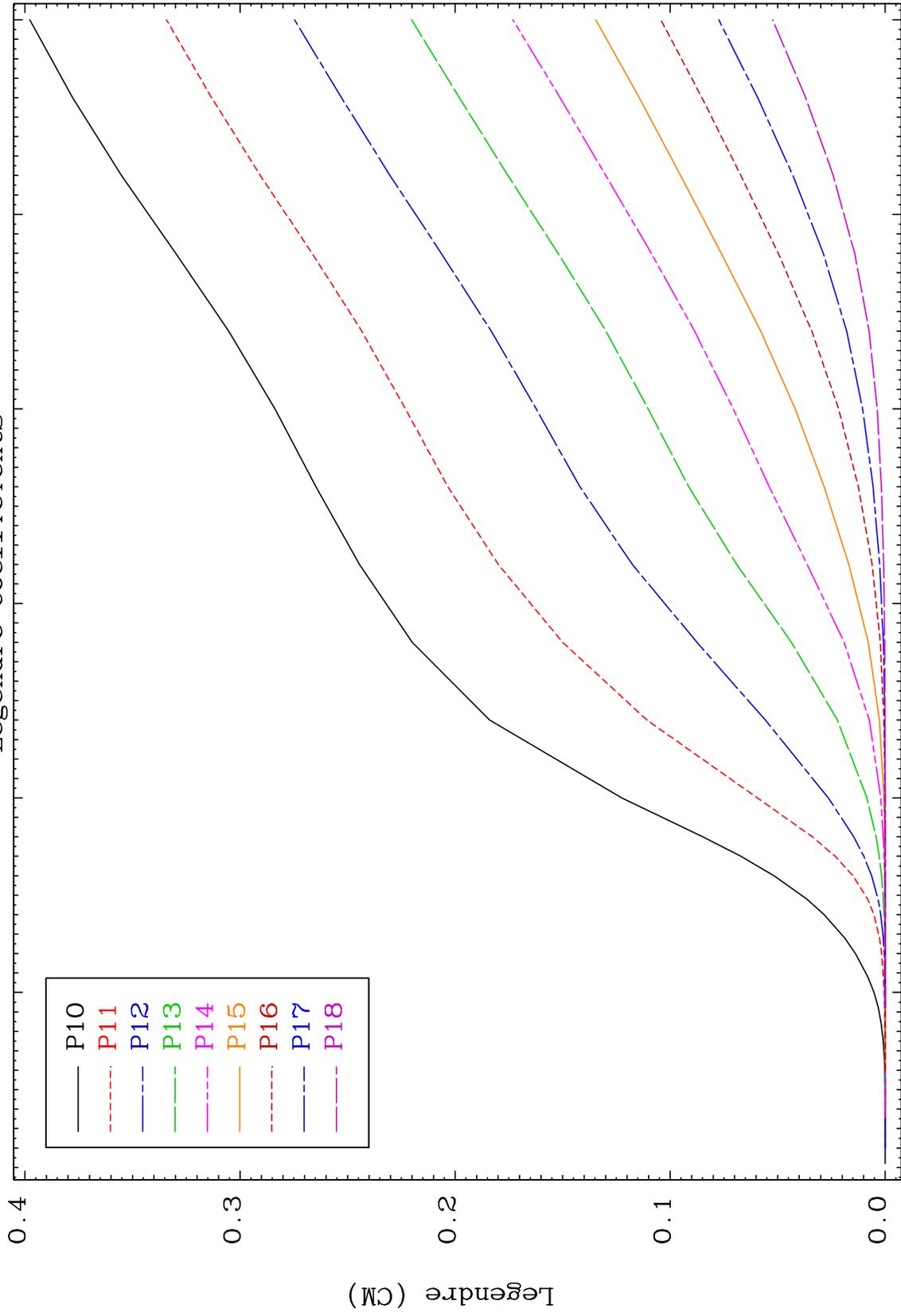
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30

MAT 8274

Elastic Legendre Coefficients

$^{83}\text{Bi-192}$



16

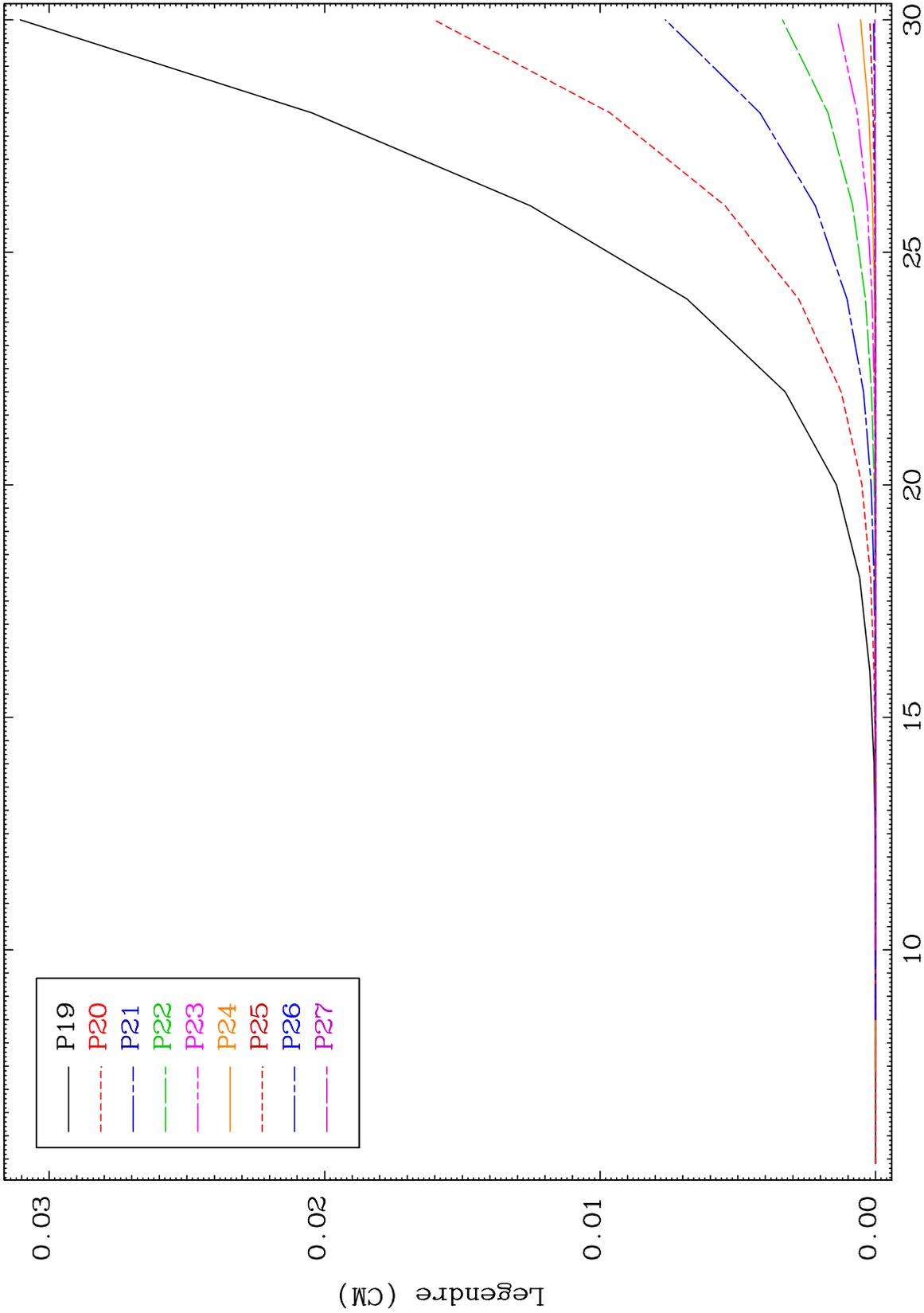
Incident Energy (MeV)

$^{83}\text{Bi-192}$

MAT 8274

Elastic Legendre Coefficients

83-Bi-192



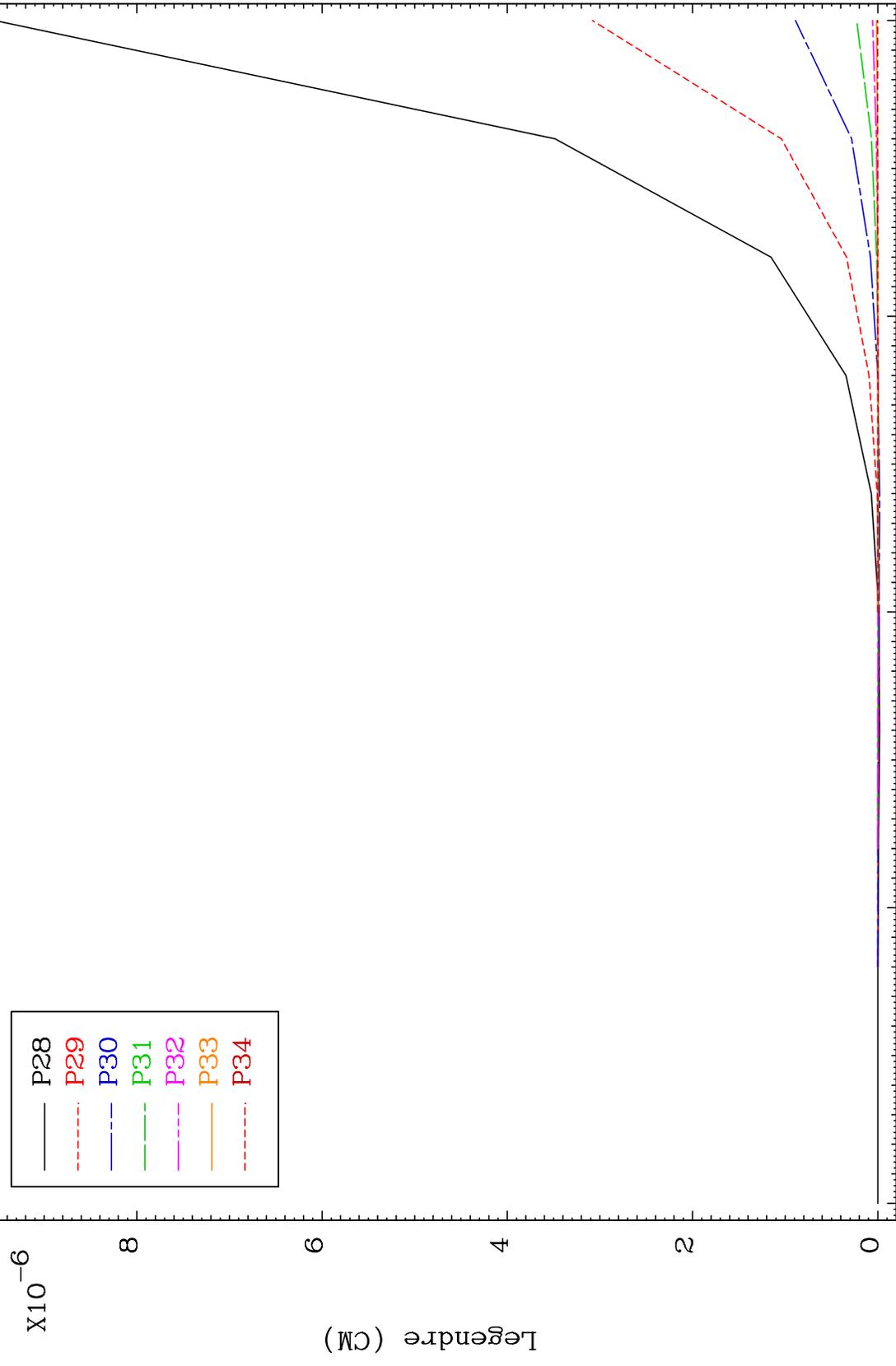
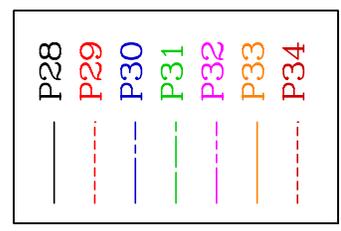
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83-Bi-192

MAT 8274

Elastic Legendre Coefficients

83-Bi-192



18

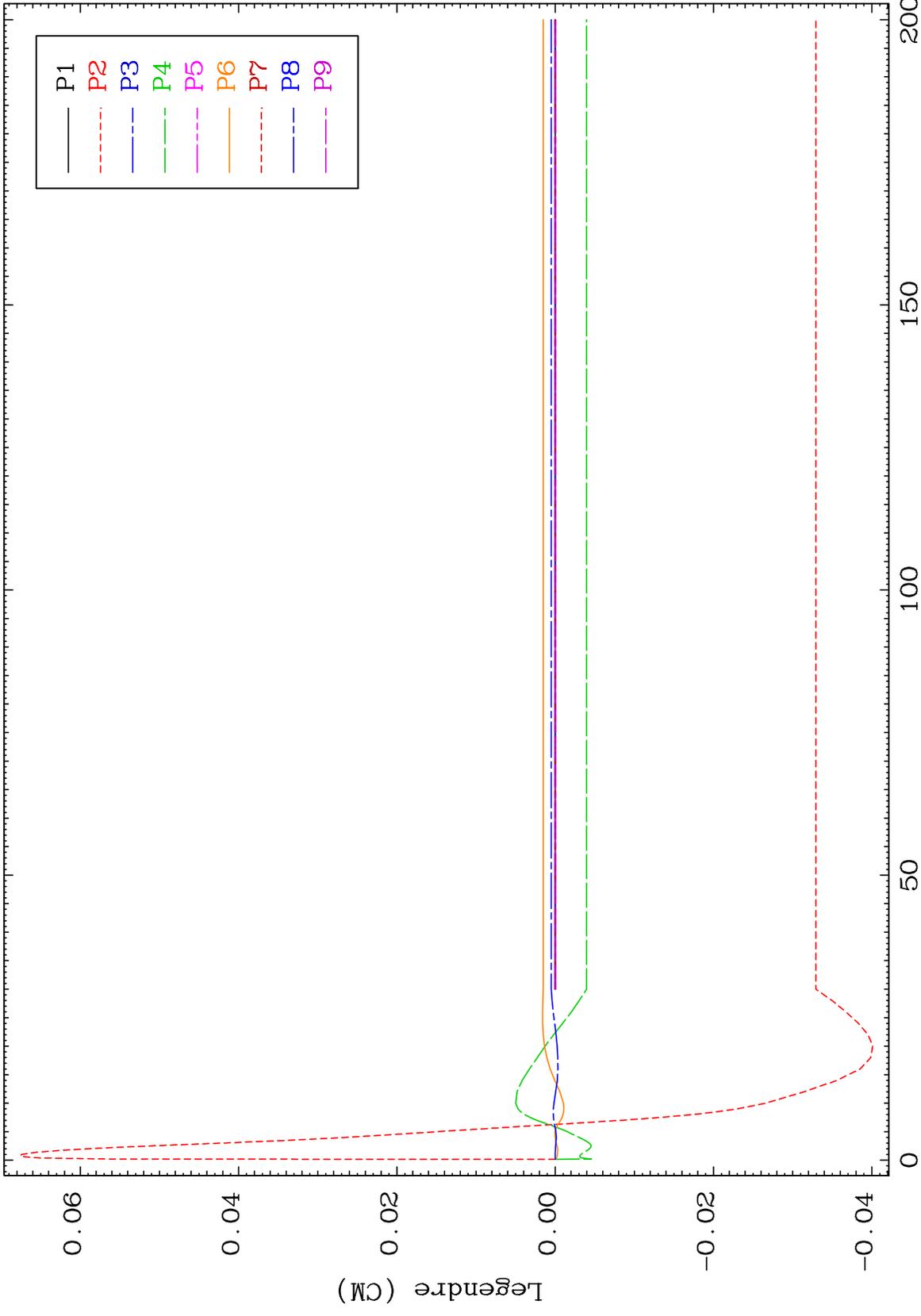
Incident Energy (MeV)

83-Bi-192

MAT 8274

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

83-Bi-192



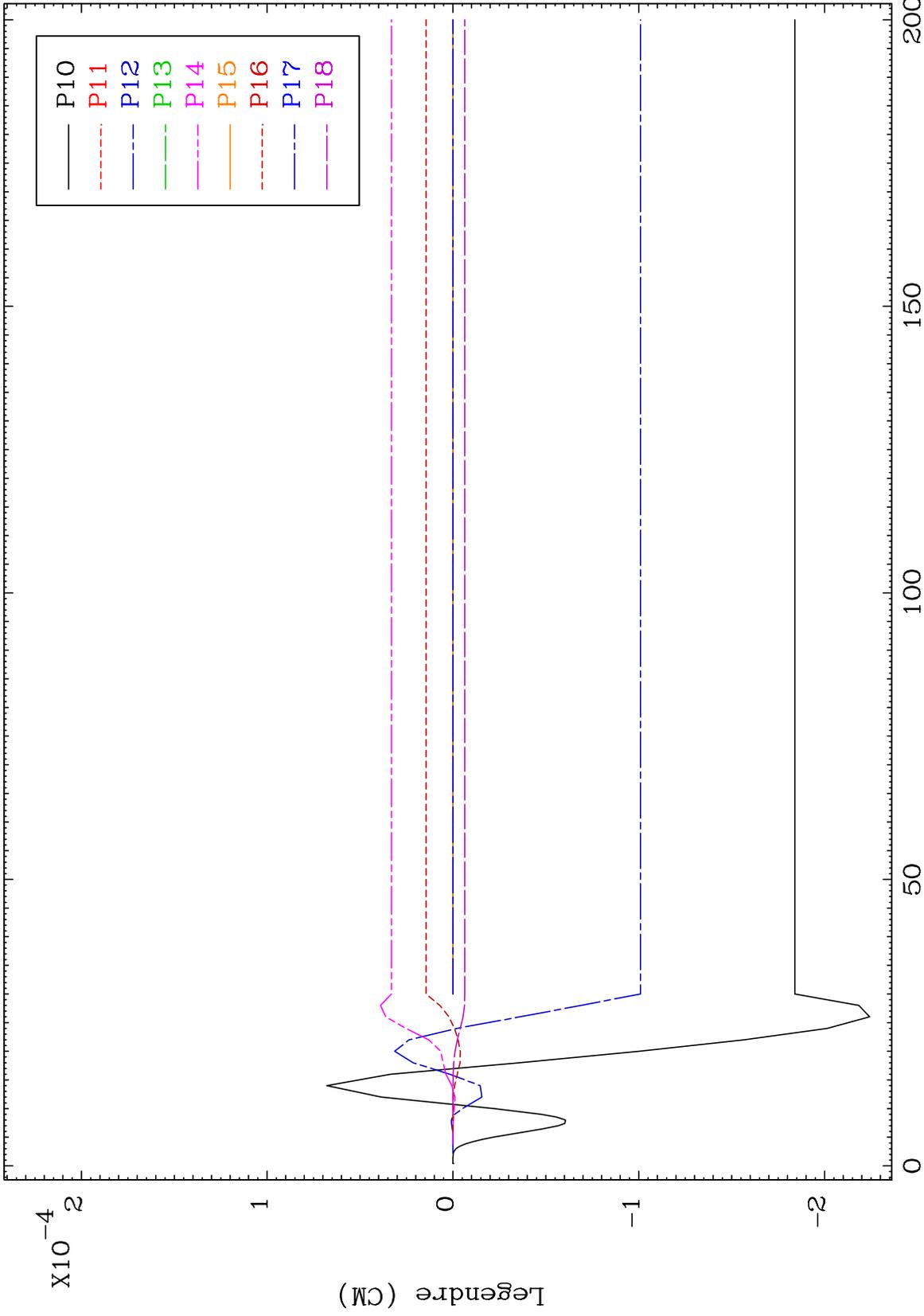
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83-Bi-192

MAT 8274

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

83-Bi-192



83-Bi-192

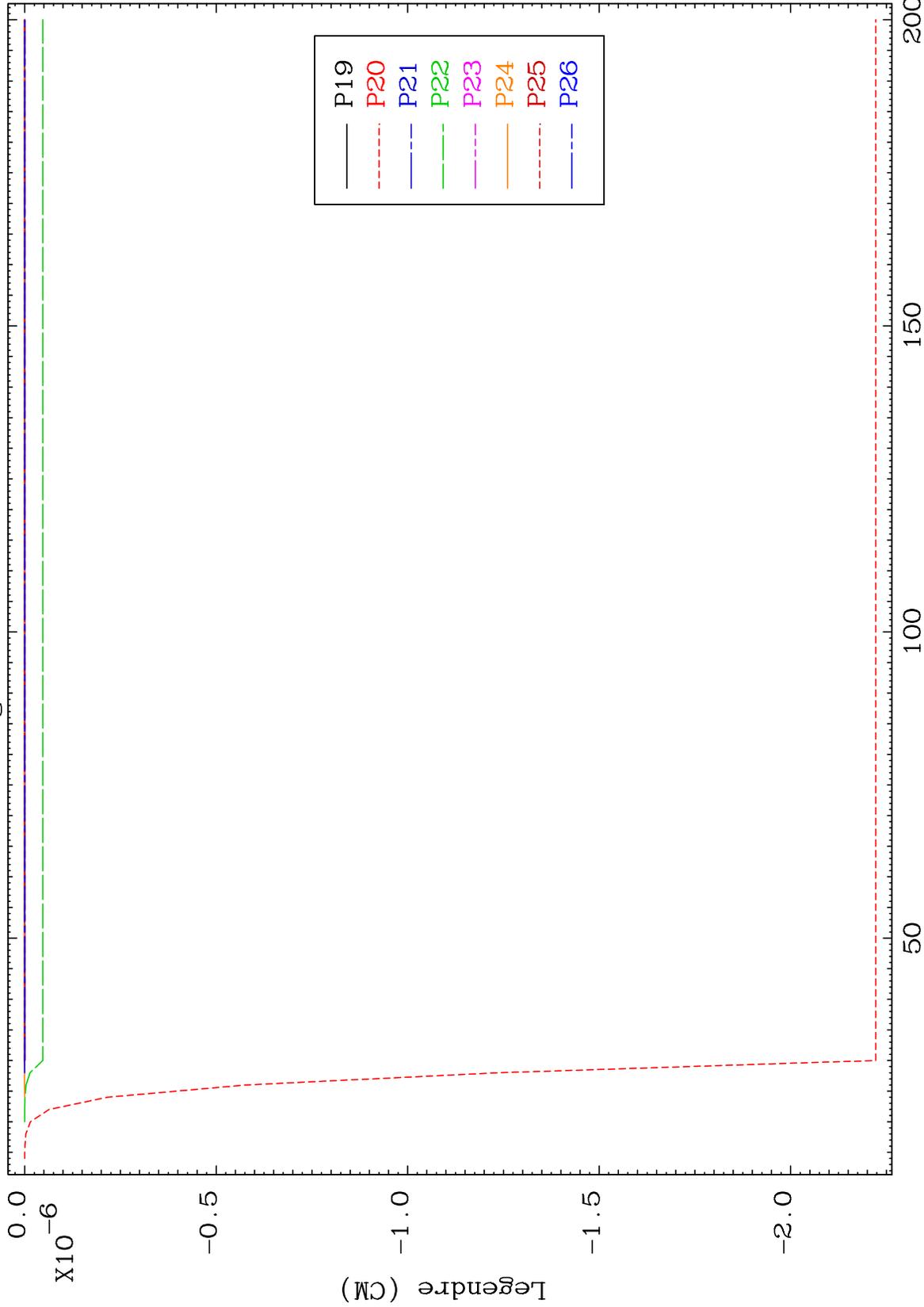
Incident Energy (MeV)

20

MAT 8274

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

83-Bi-192



21

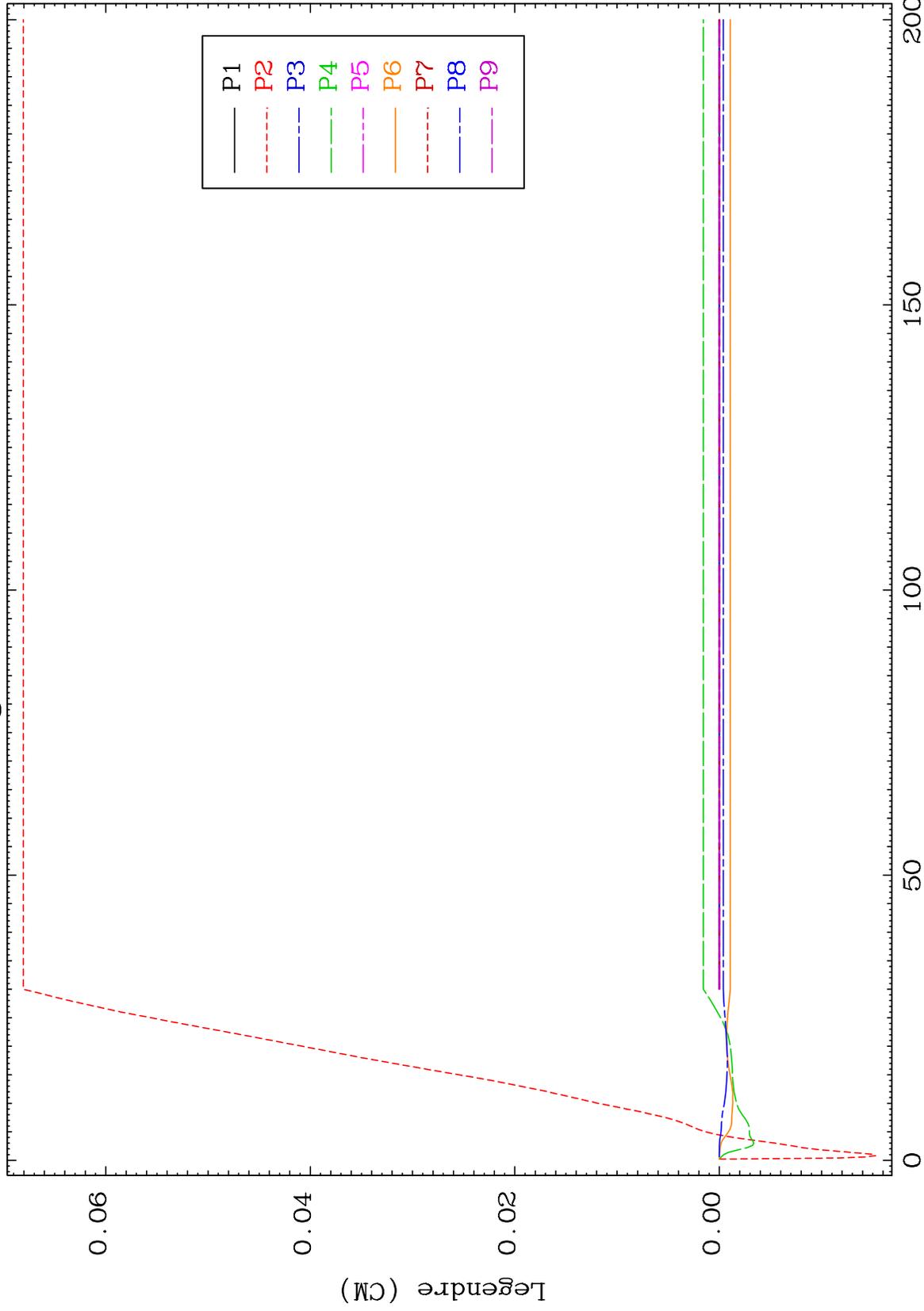
Incident Energy (MeV)

83-Bi-192

MAT 8274

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

83-Bi-192



22

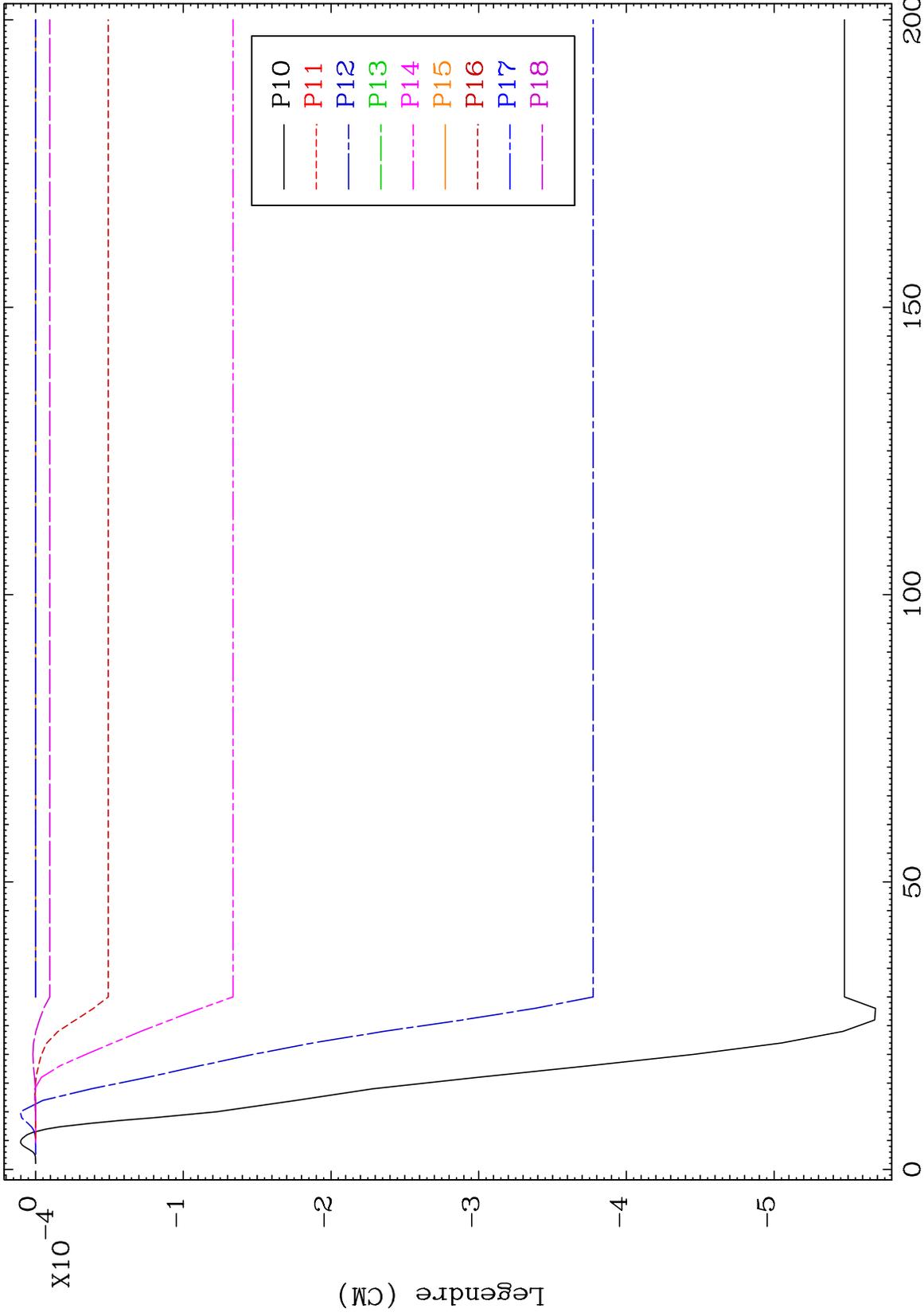
Incident Energy (MeV)

83-Bi-192

MAT 8274

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

83-Bi-192



23

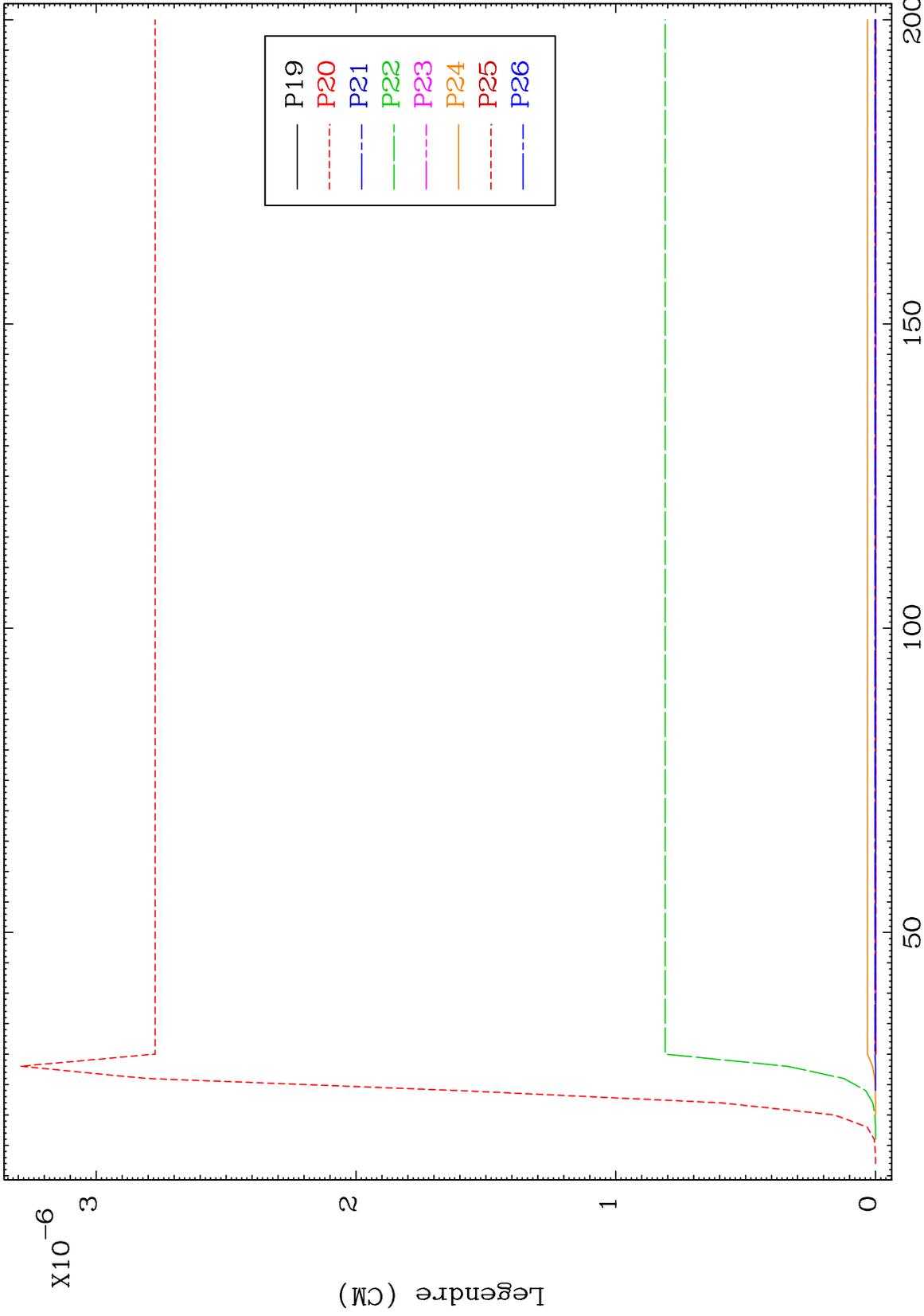
Incident Energy (MeV)

83-Bi-192

MAT 8274

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

83-Bi-192



24

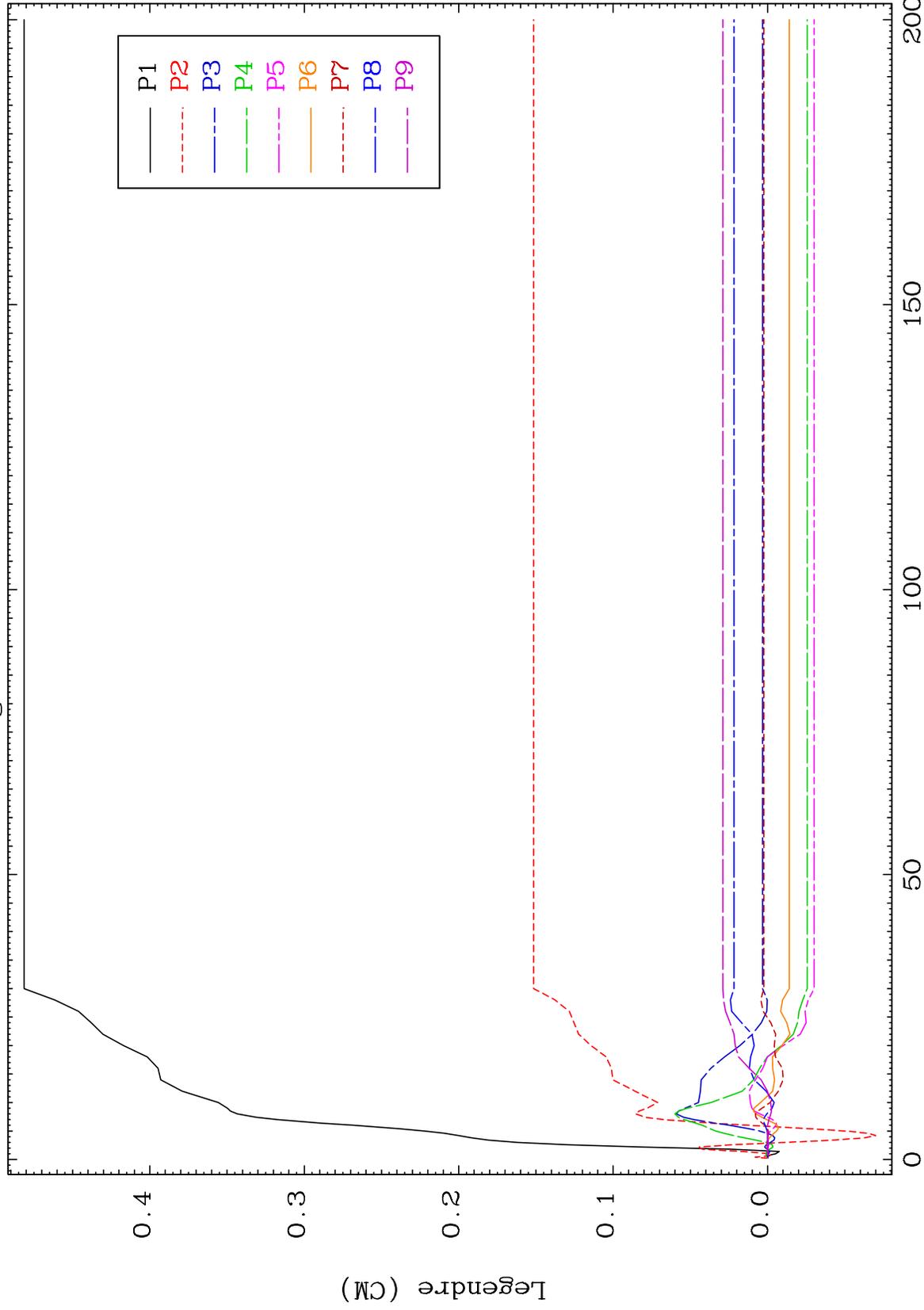
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 53 (n,n') Level
Legendre Coefficients

83-Bi-192



25

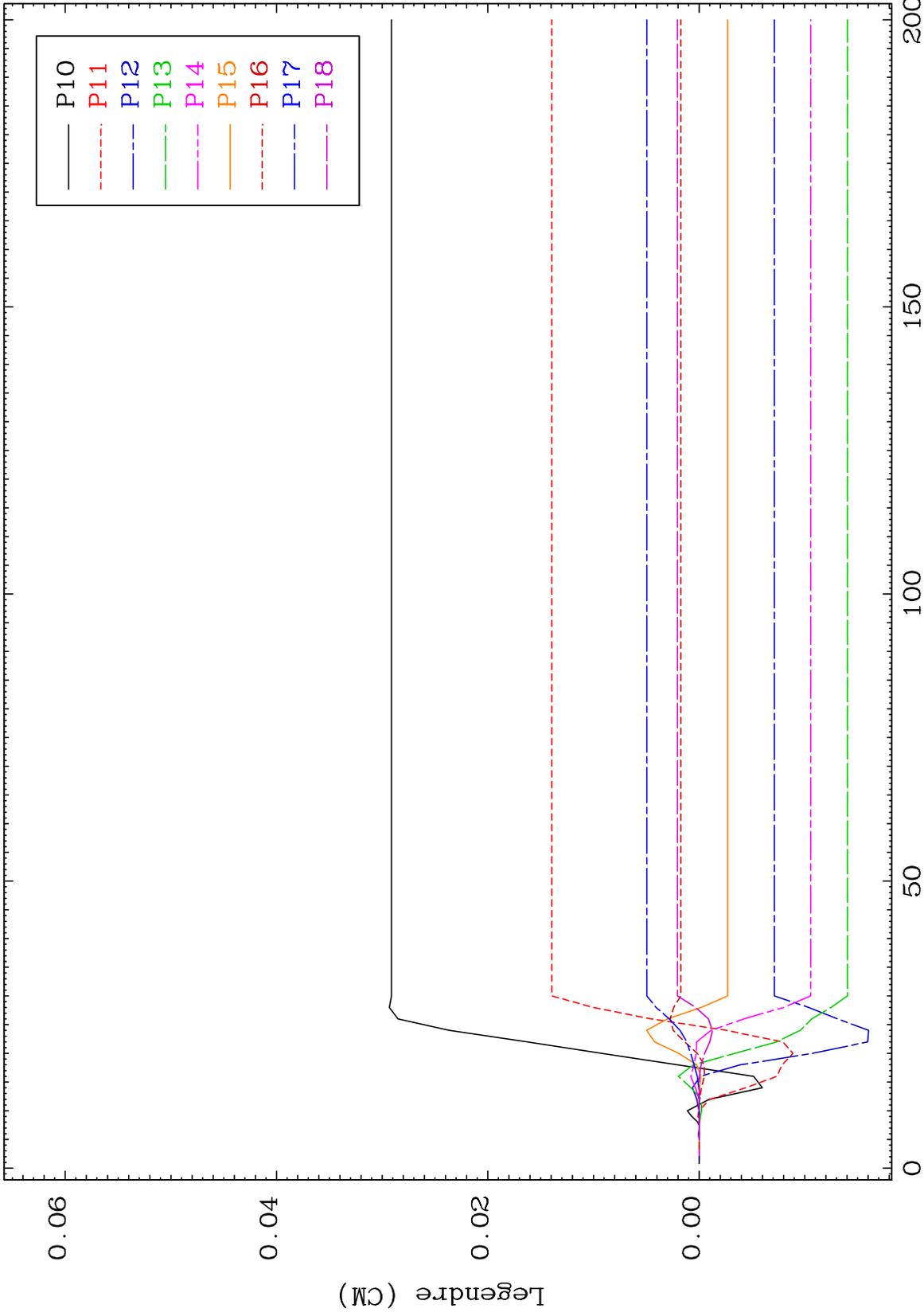
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 53 (n,n') Level
Legendre Coefficients

83-Bi-192



26

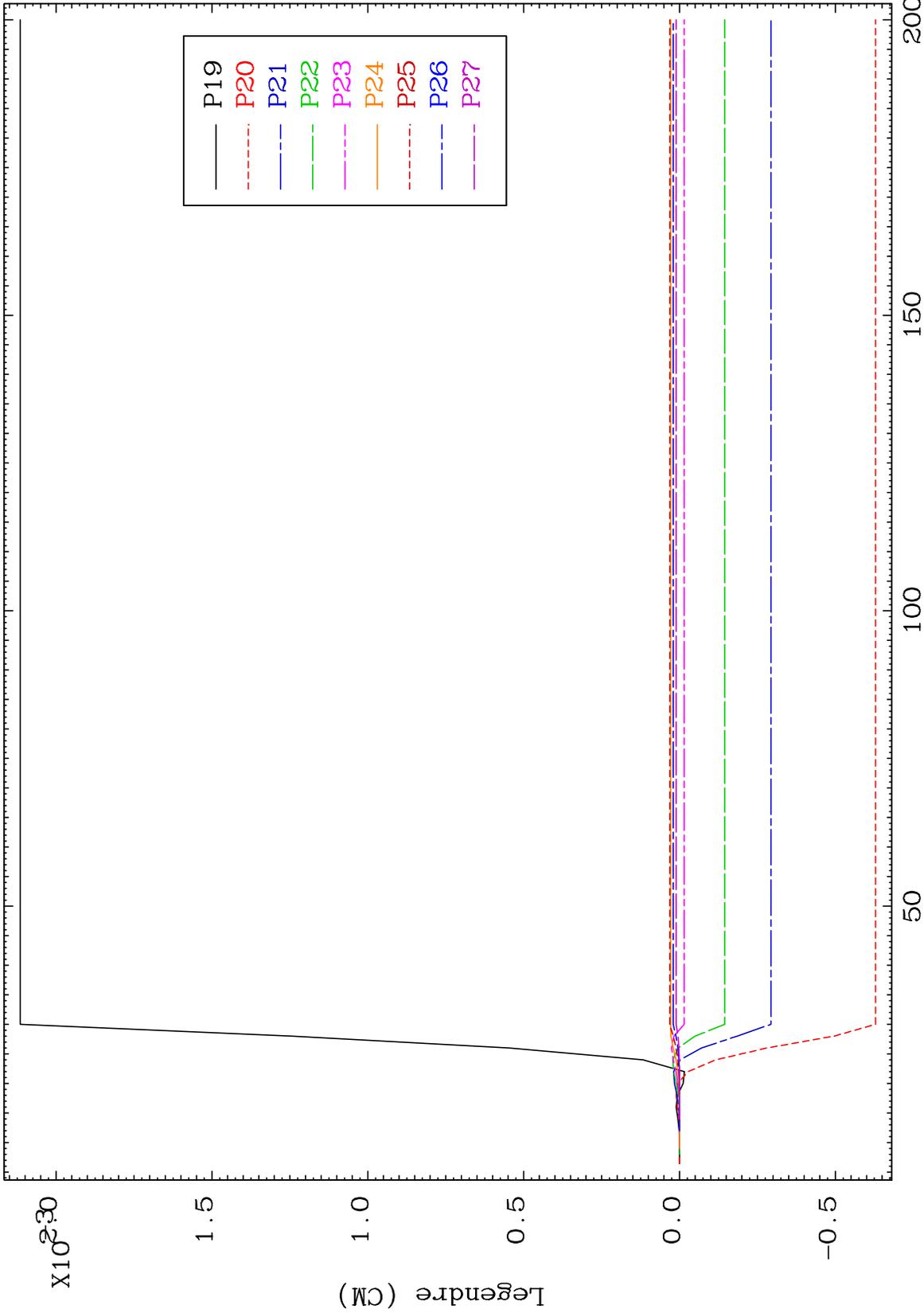
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 53 (n,n') Level
Legendre Coefficients

83-Bi-192



27

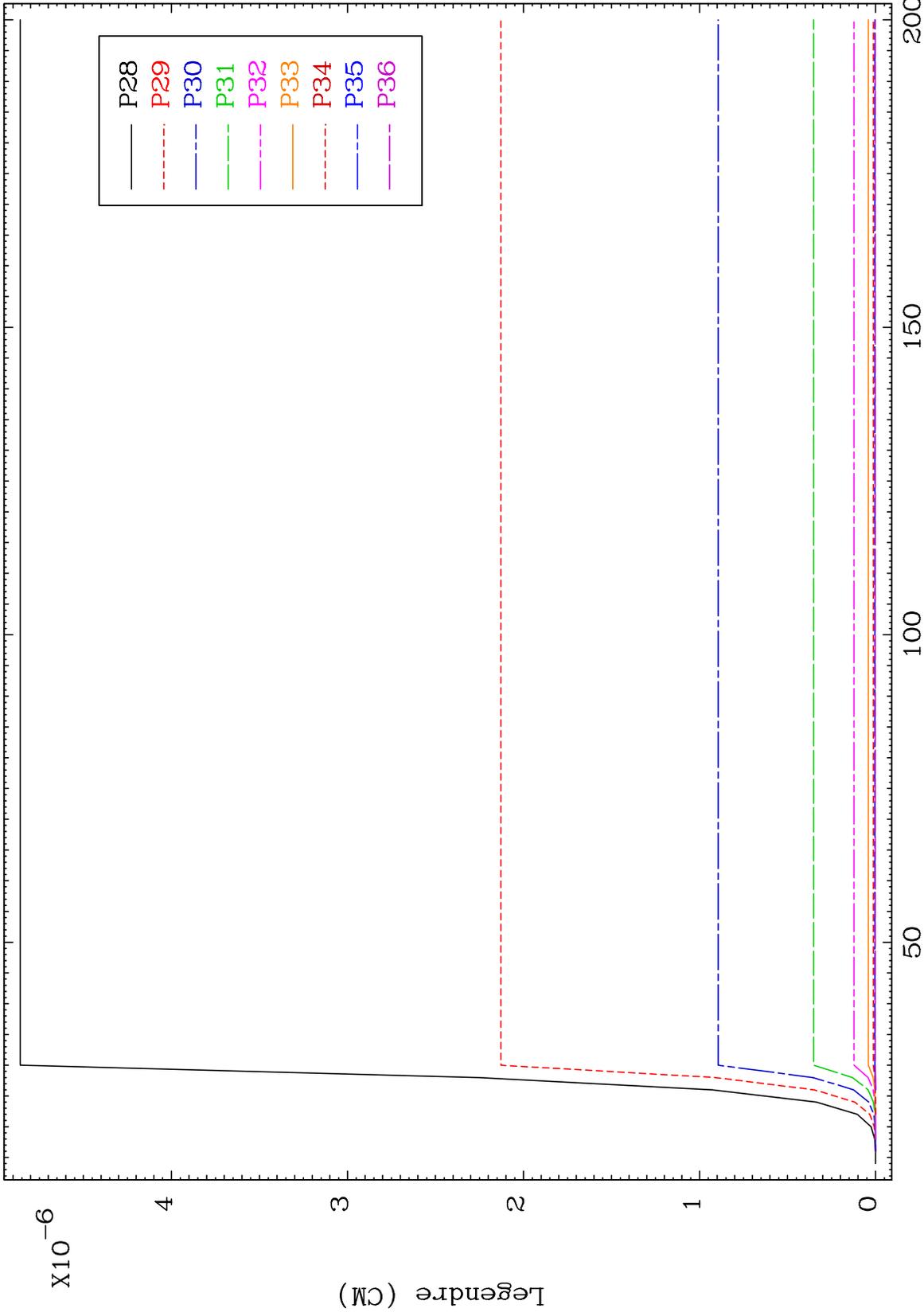
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 53 (n,n') Level
Legendre Coefficients

83-Bi-192



28

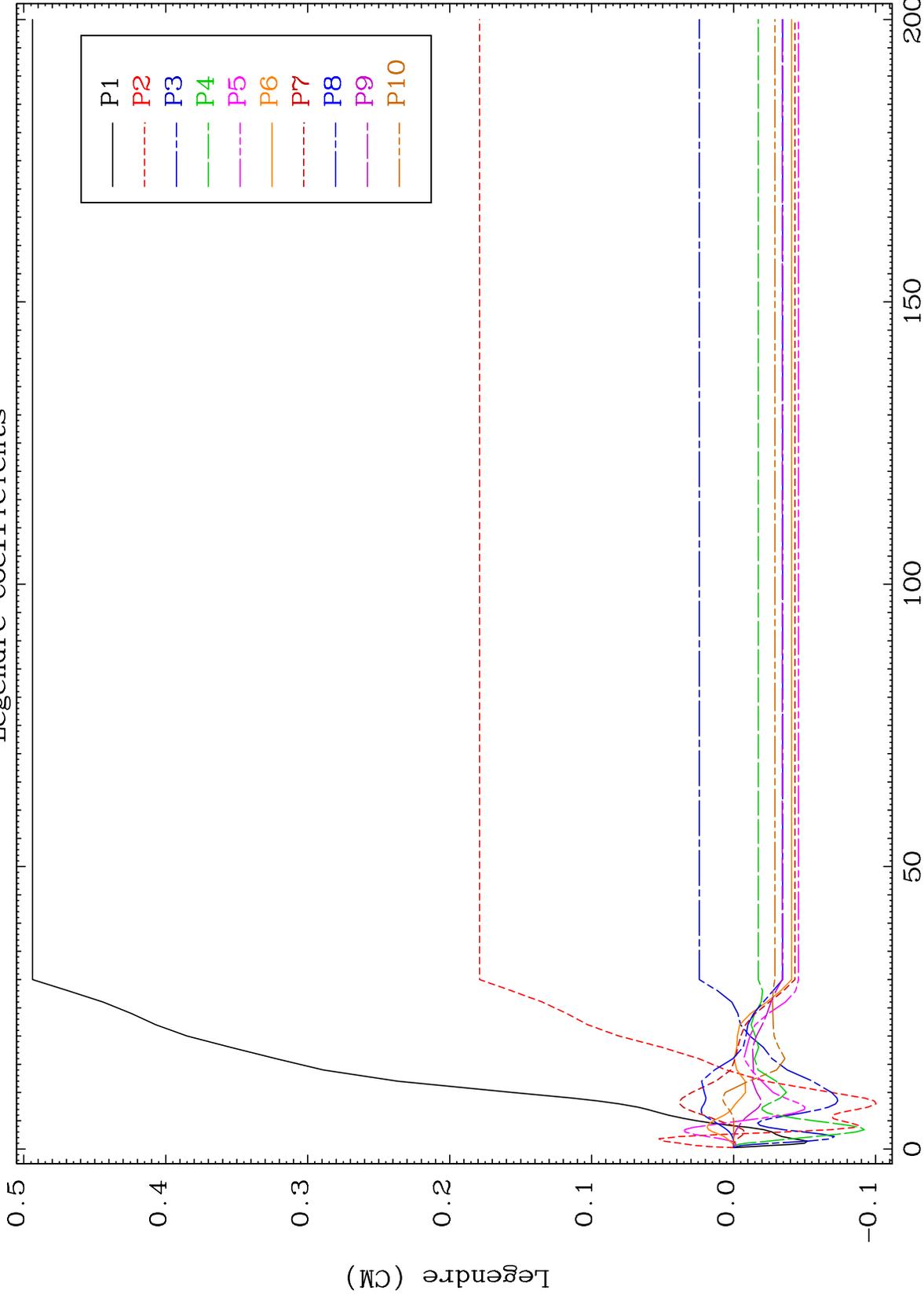
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 54 (n,n') Level
Legendre Coefficients

83-Bi-192



29

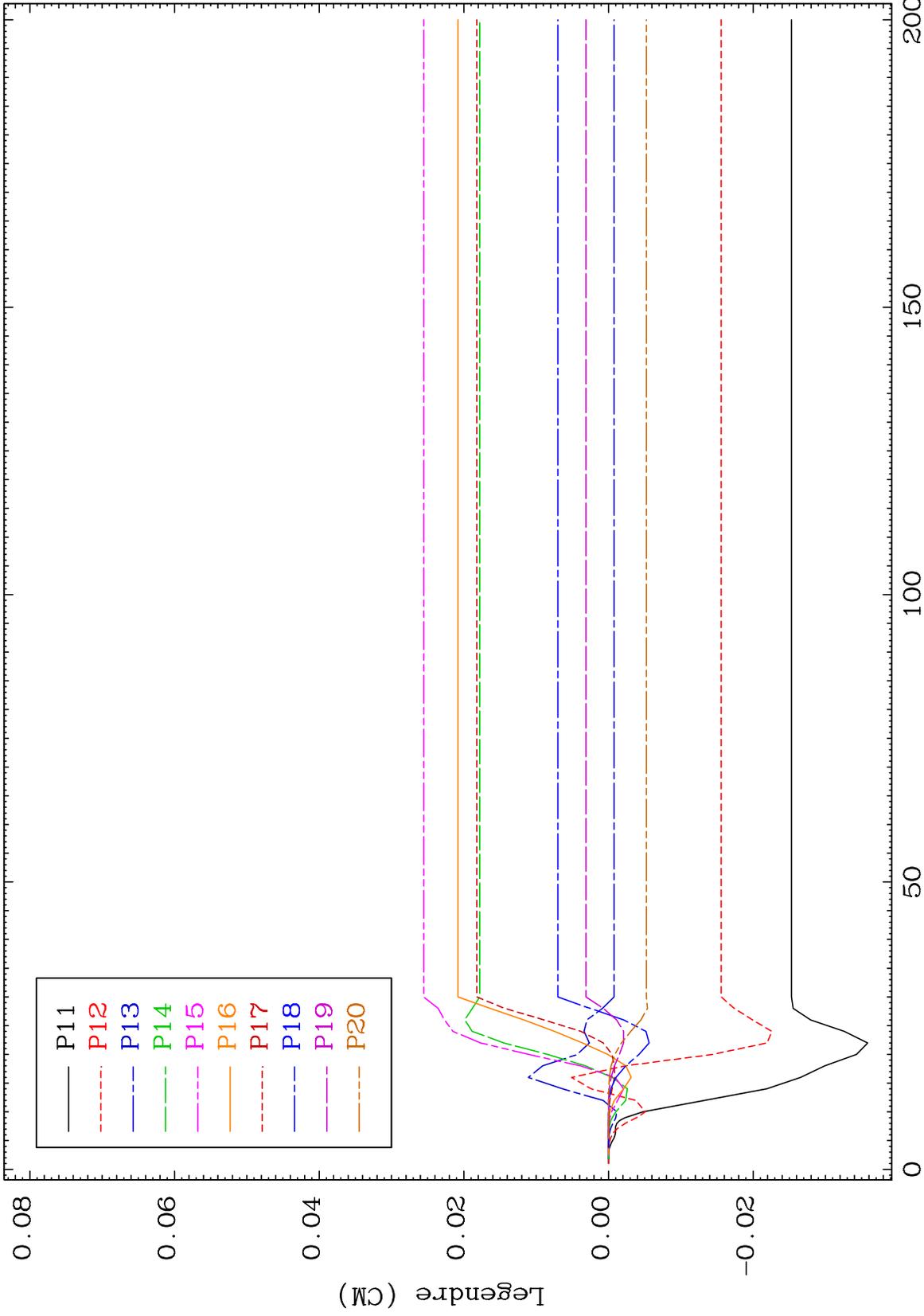
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 54 (n,n') Level
Legendre Coefficients

83-Bi-192



0

50

100

150

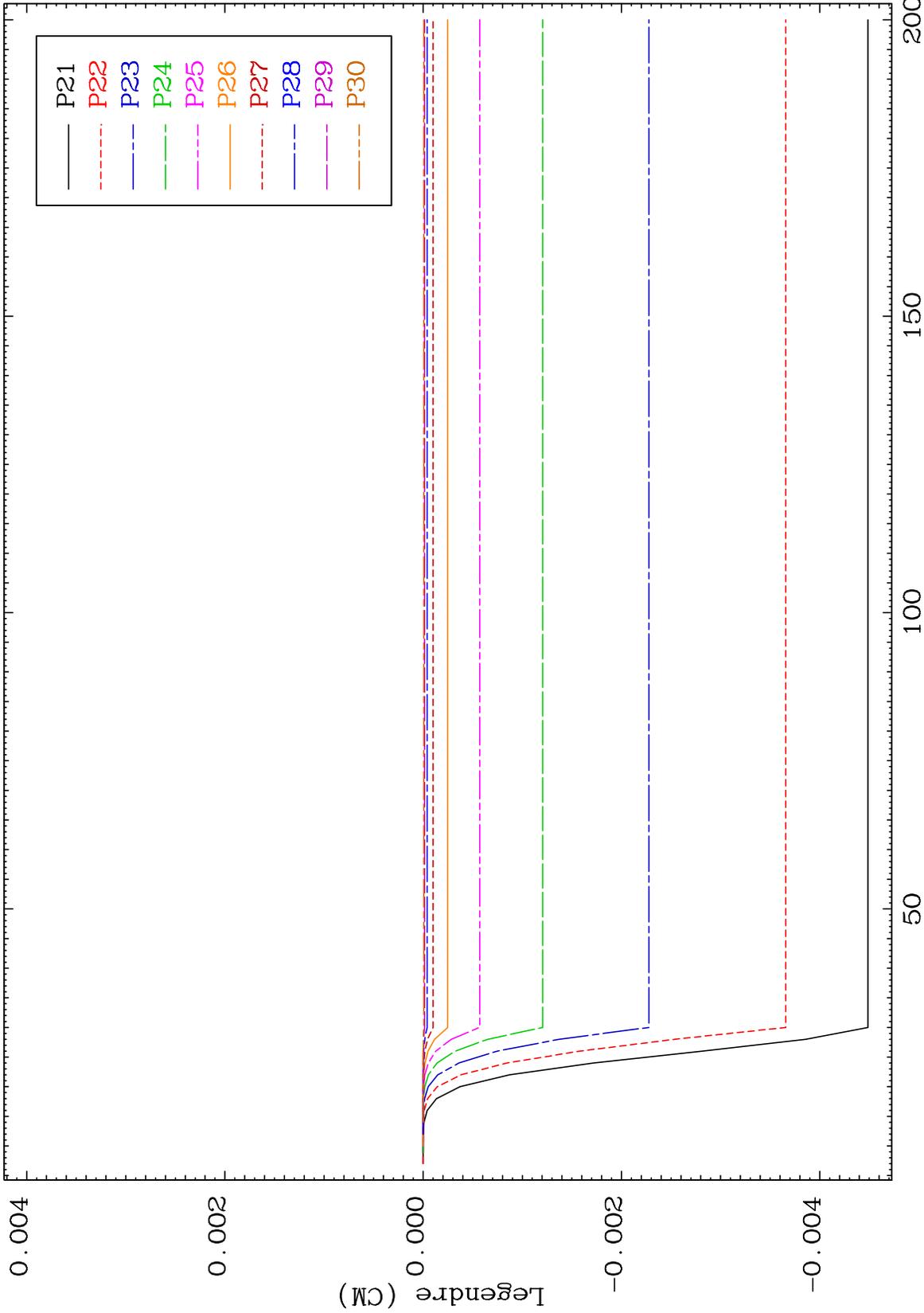
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83-Bi-192

MAT 8274

MT= 54 (n,n') Level
Legendre Coefficients

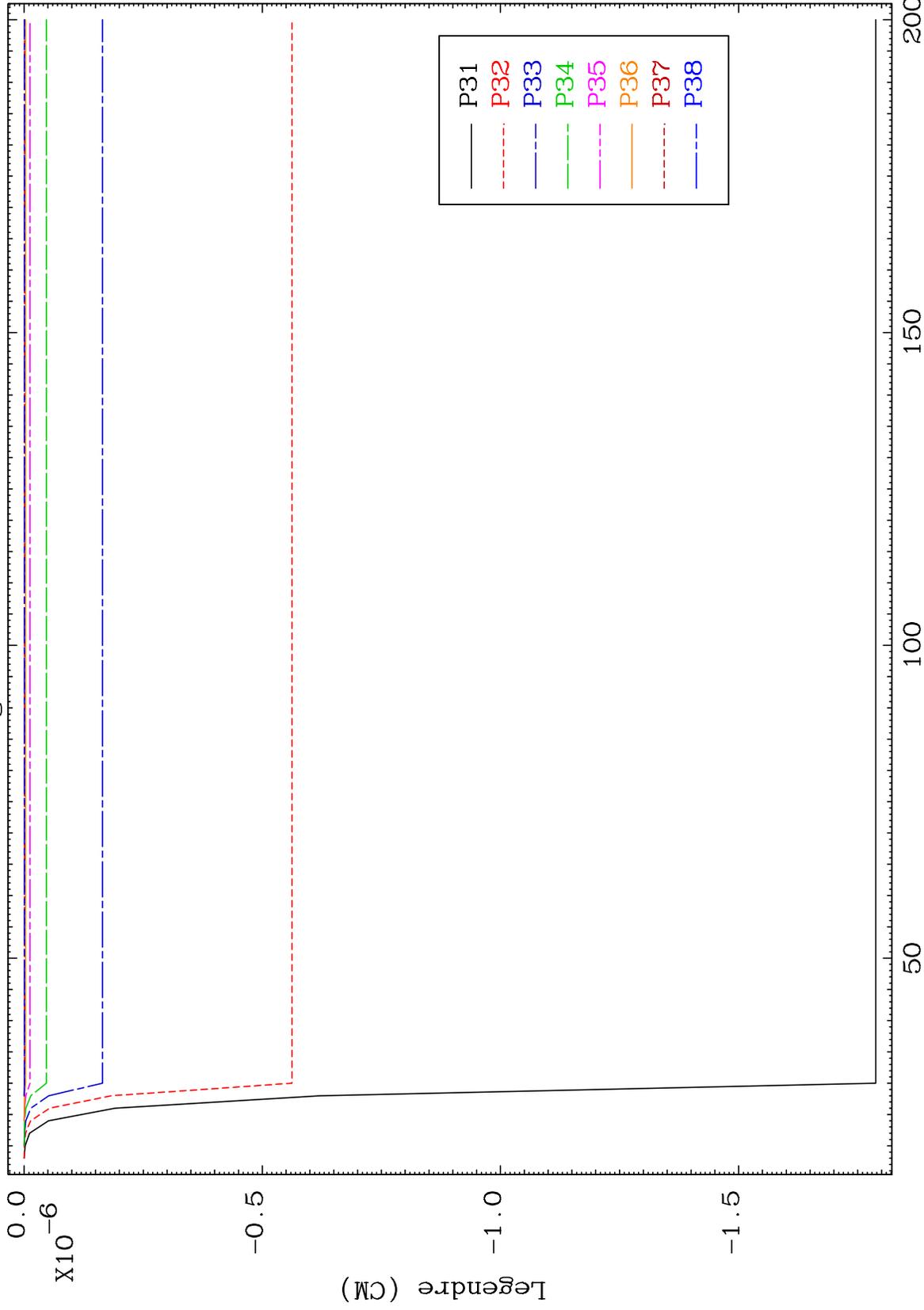
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MAT 8274

MT= 54 (n,n') Level
Legendre Coefficients

83-Bi-192



32

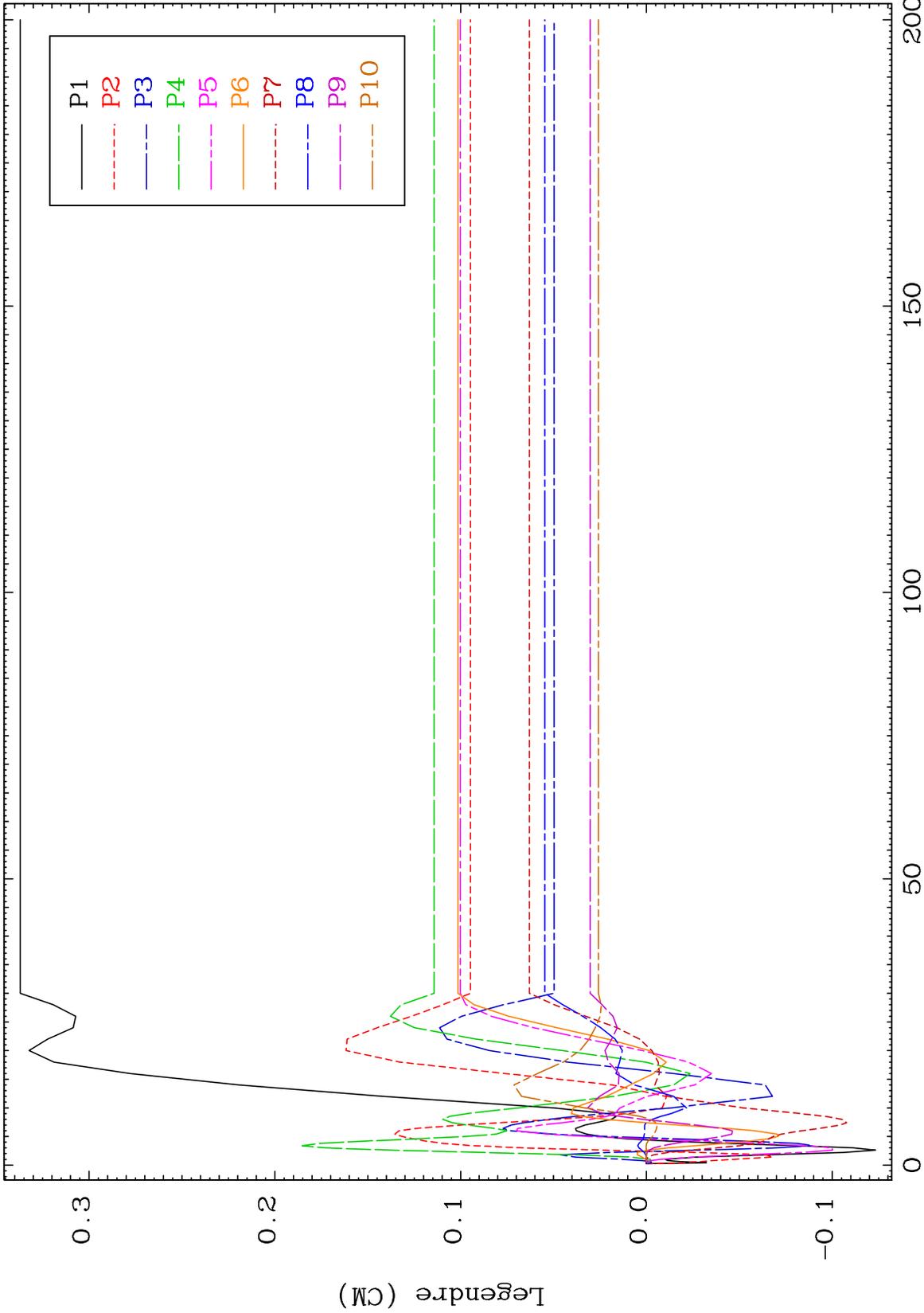
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 55 (n,n') Level
Legendre Coefficients

83-Bi-192



33

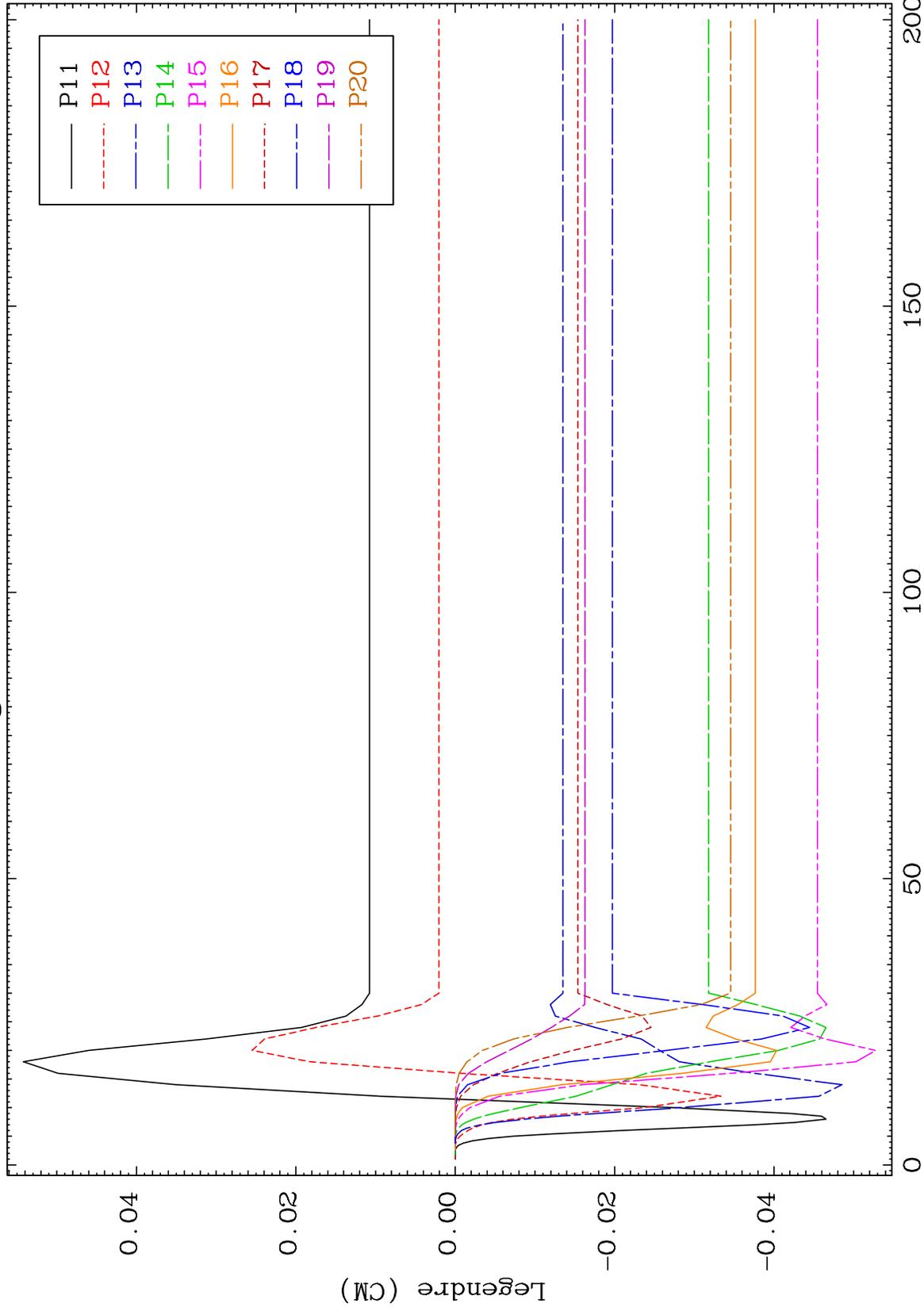
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 55 (n,n') Level
Legendre Coefficients

83-Bi-192



34

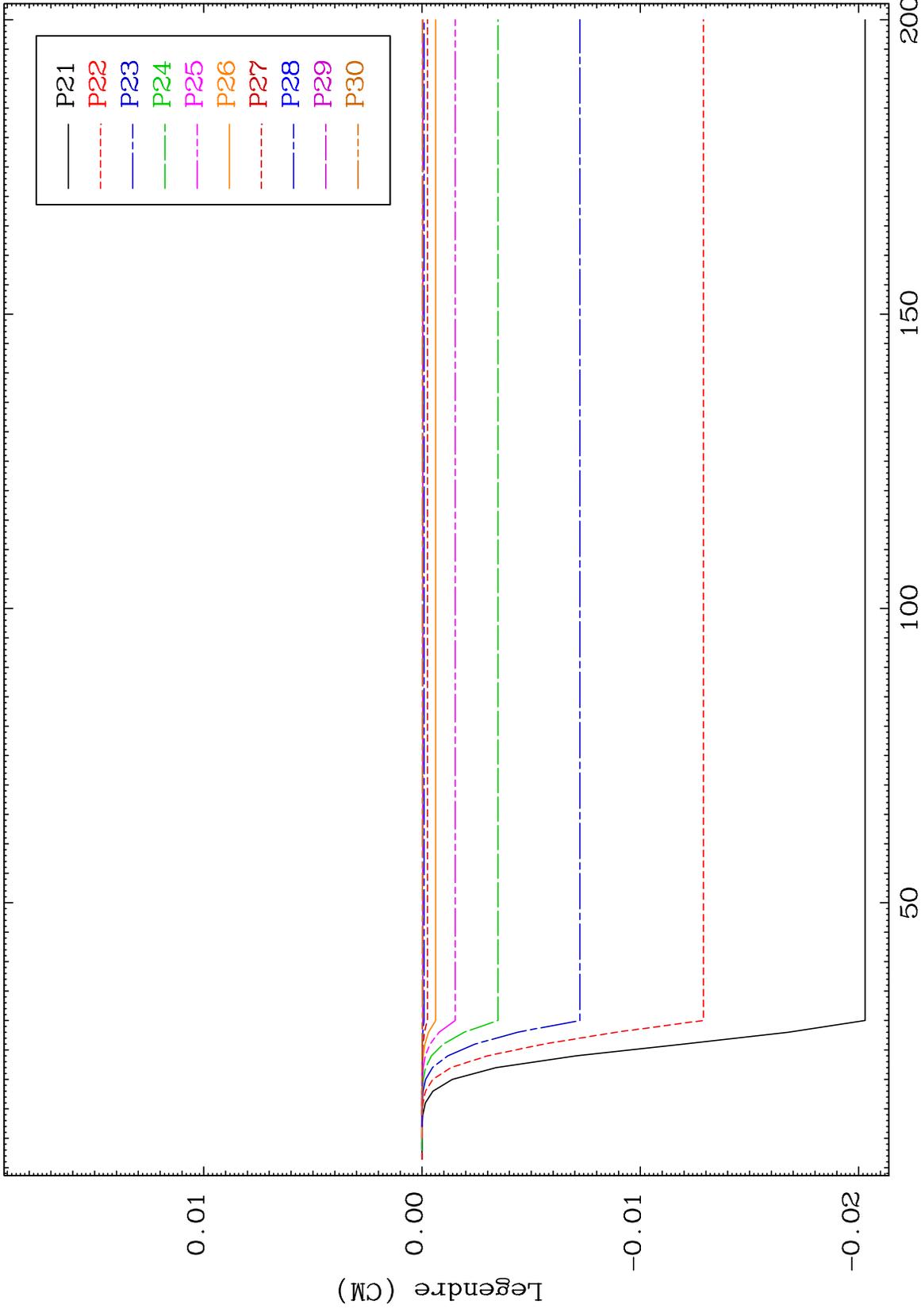
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 55 (n,n') Level
Legendre Coefficients

83-Bi-192



35

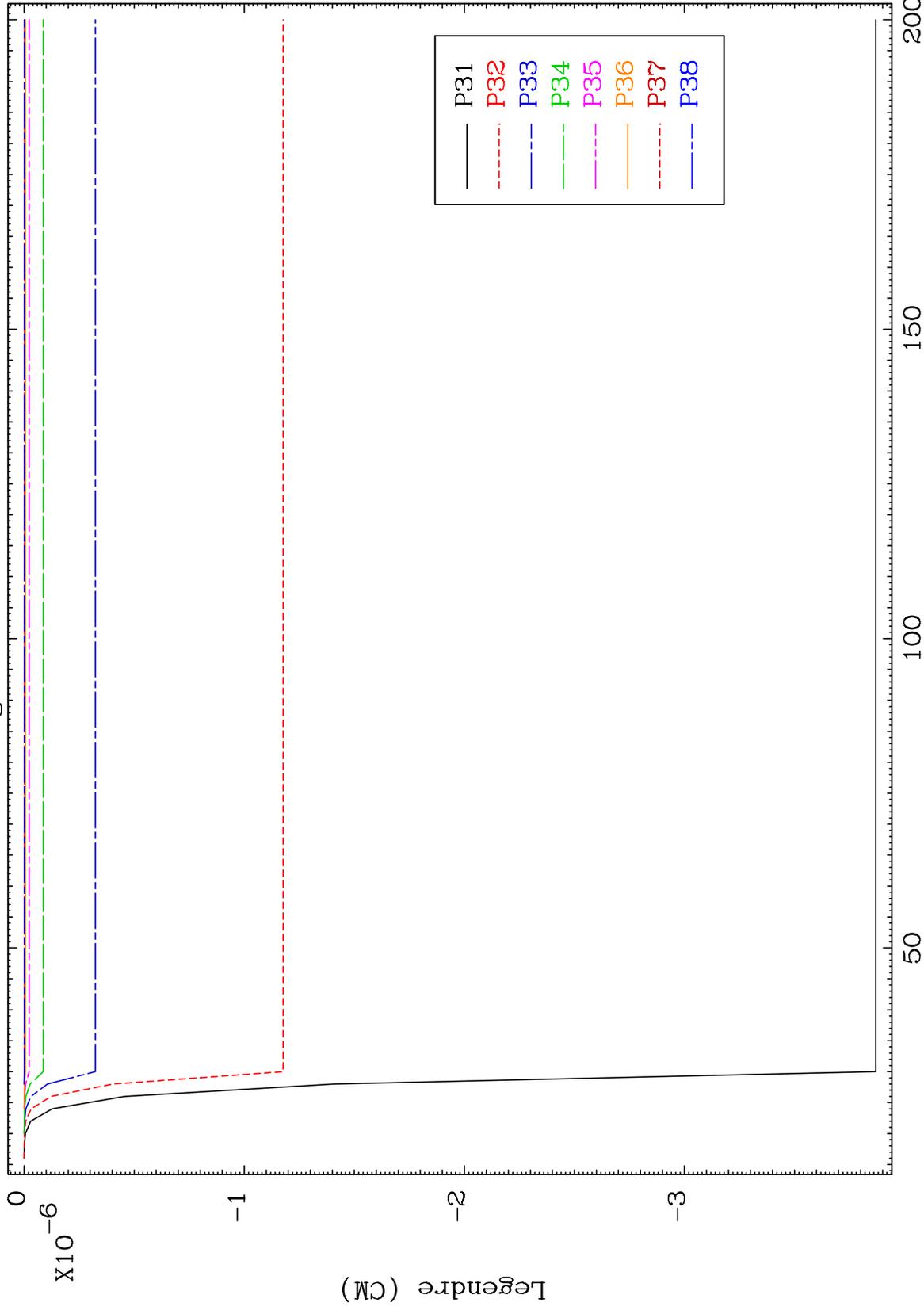
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 55 (n,n') Level
Legendre Coefficients

83-Bi-192



36

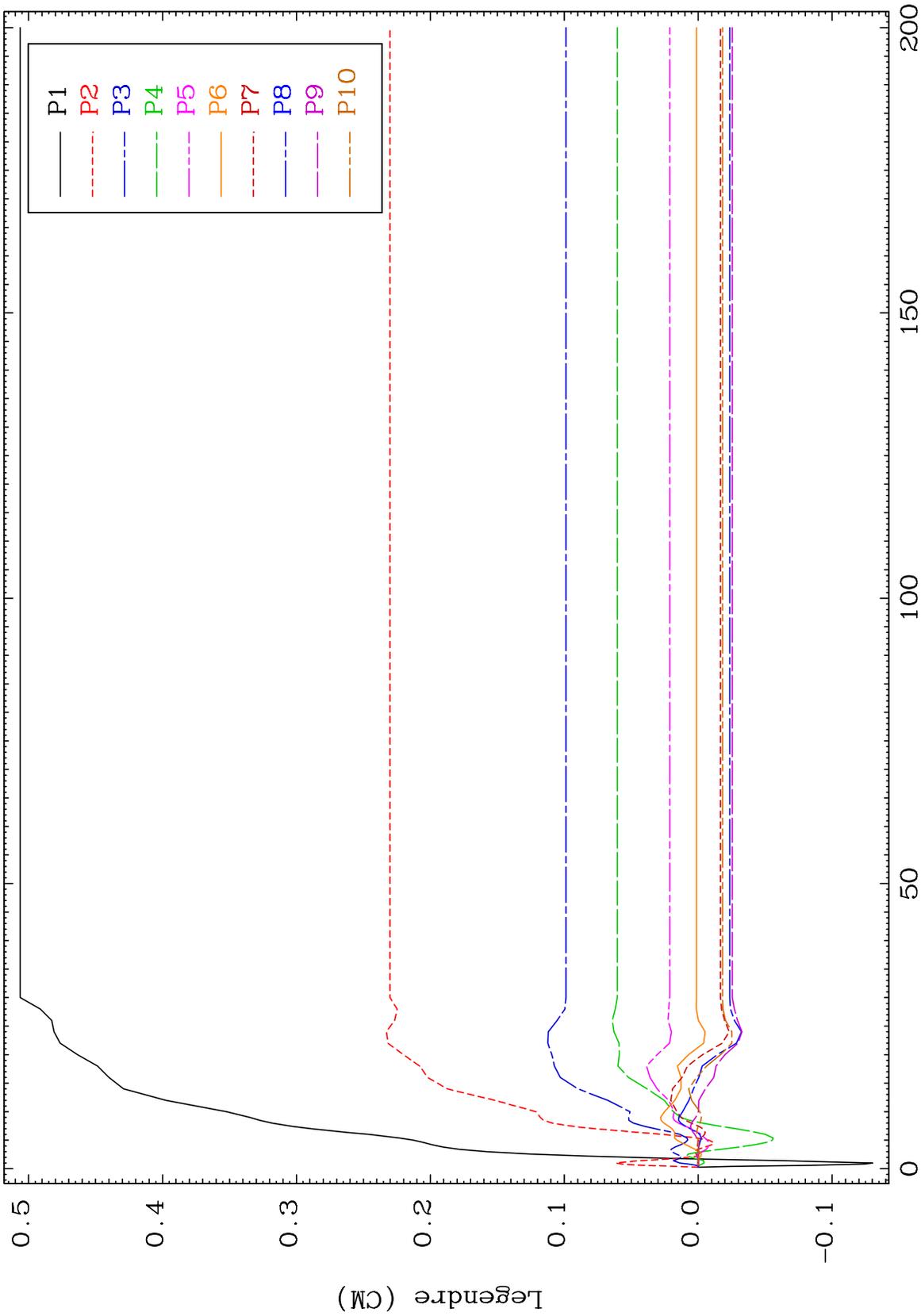
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 56 (n,n') Level
Legendre Coefficients

83-Bi-192



37

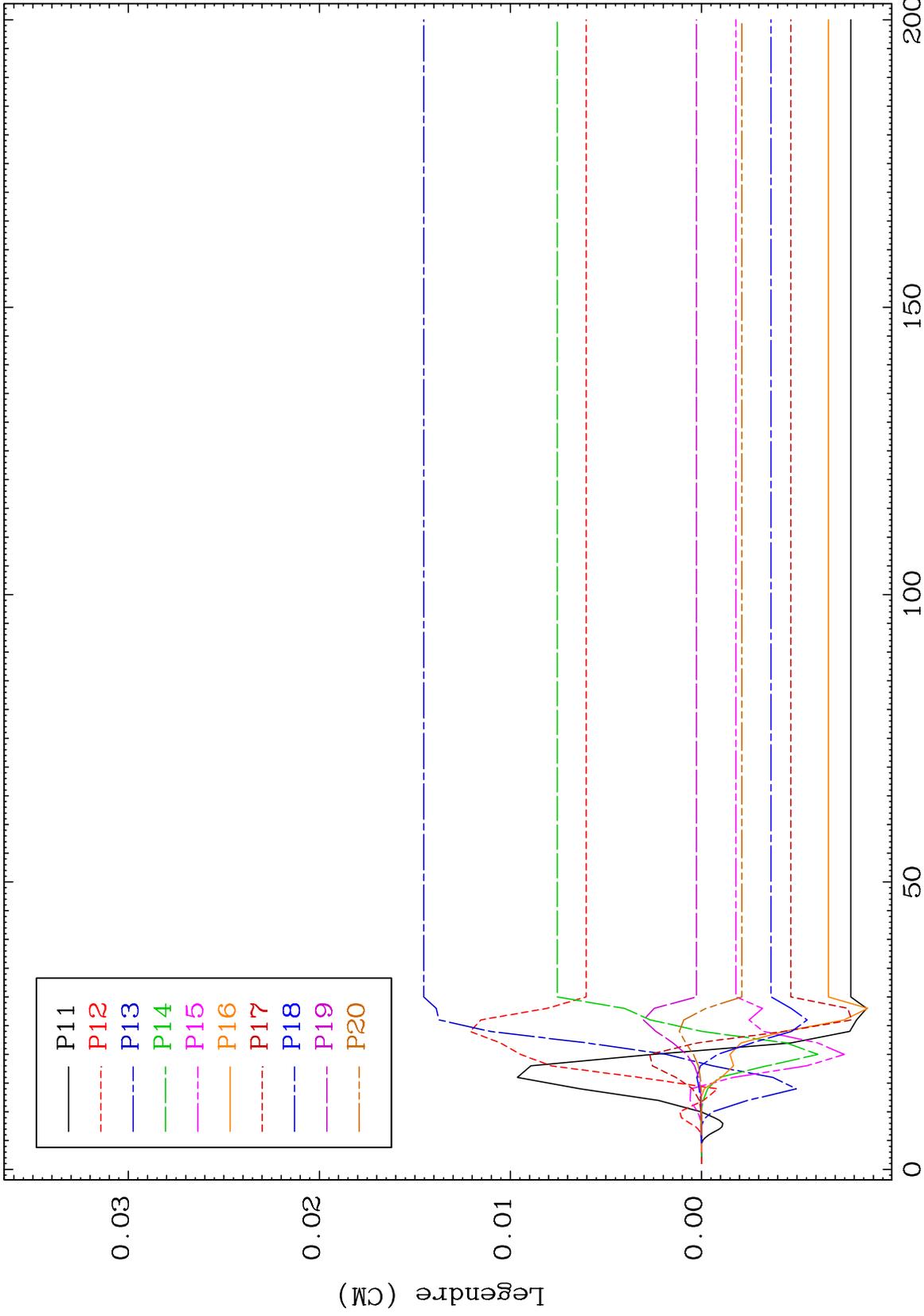
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83-Bi-192

MAT 8274

MT= 56 (n,n') Level
Legendre Coefficients

83-Bi-192



38

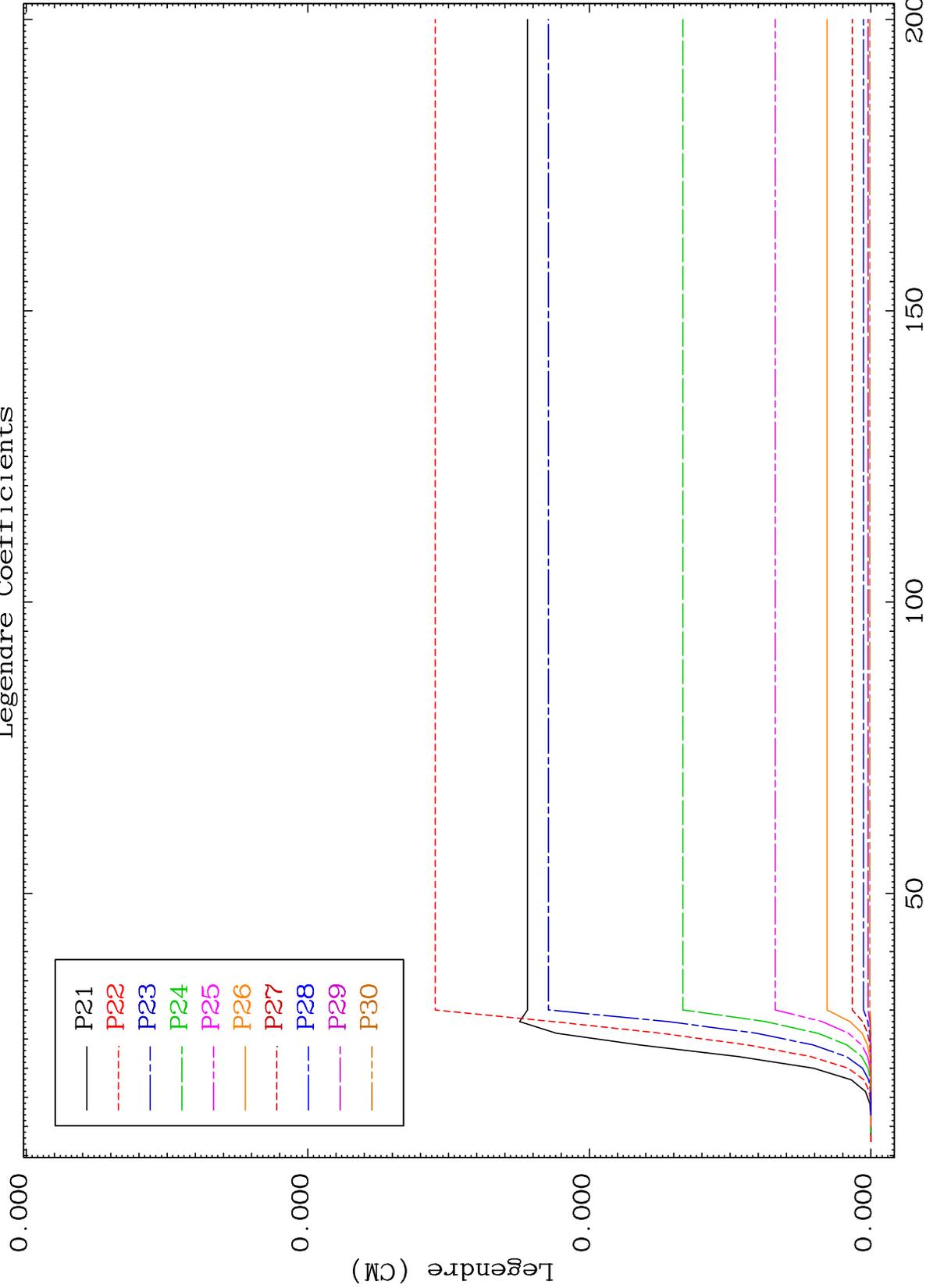
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 56 (n,n') Level
Legendre Coefficients

83-Bi-192



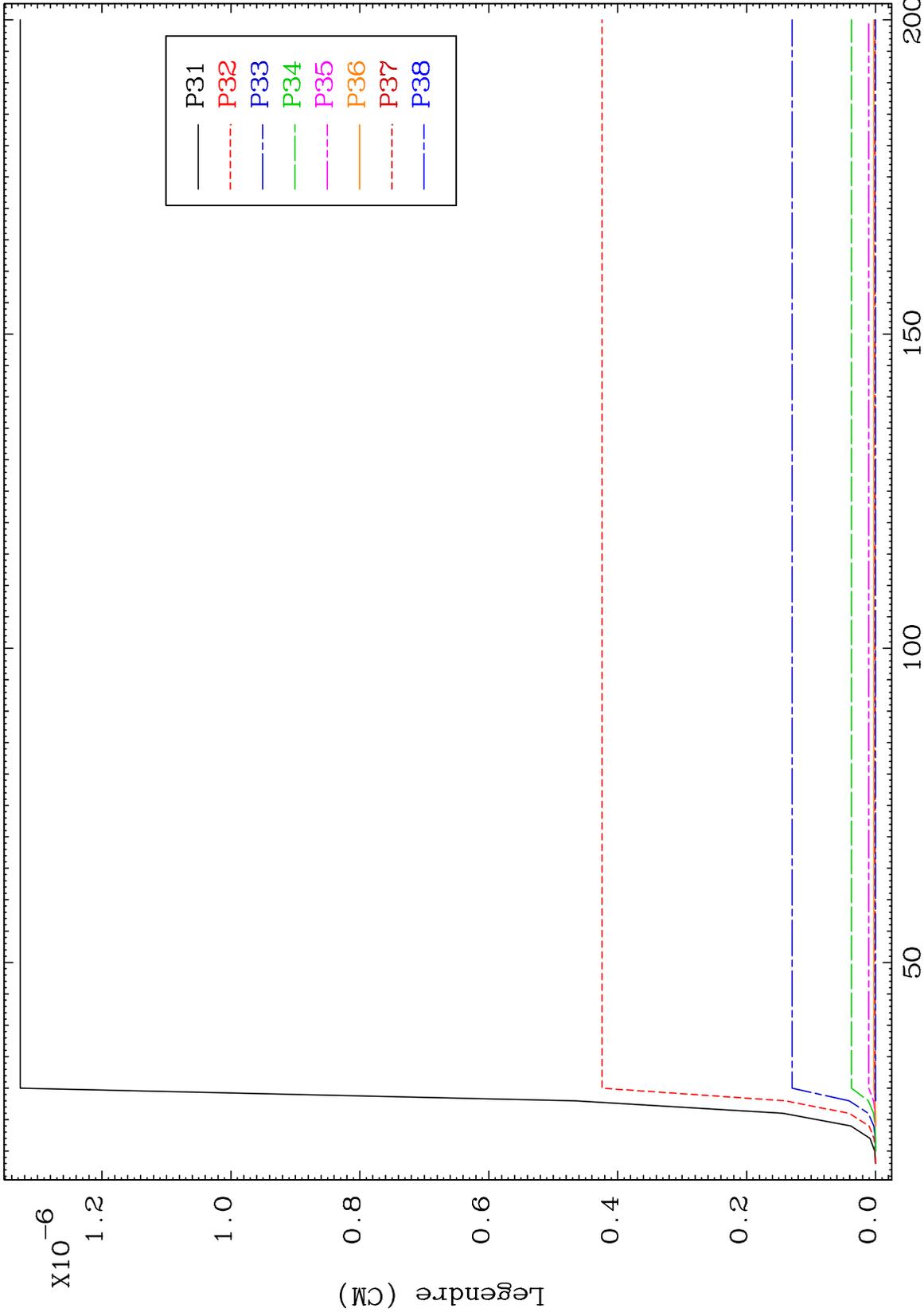
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MAT 8274

MT= 56 (n,n') Level
Legendre Coefficients

83-Bi-192



40

Incident Energy (MeV)

50

100

150

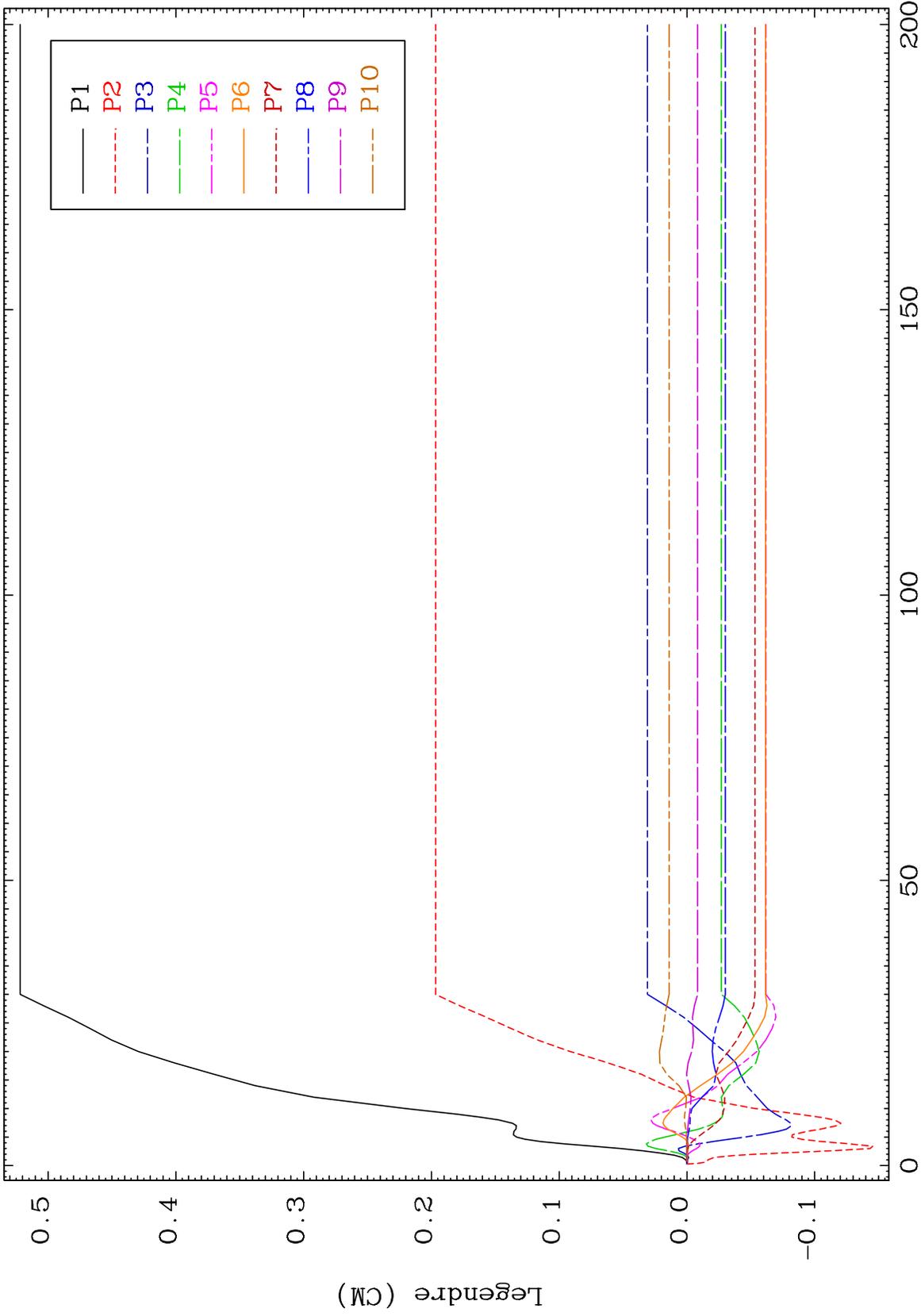
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83-Bi-192

MAT 8274

MT= 57 (n,n') Level
Legendre Coefficients

83-Bi-192



41

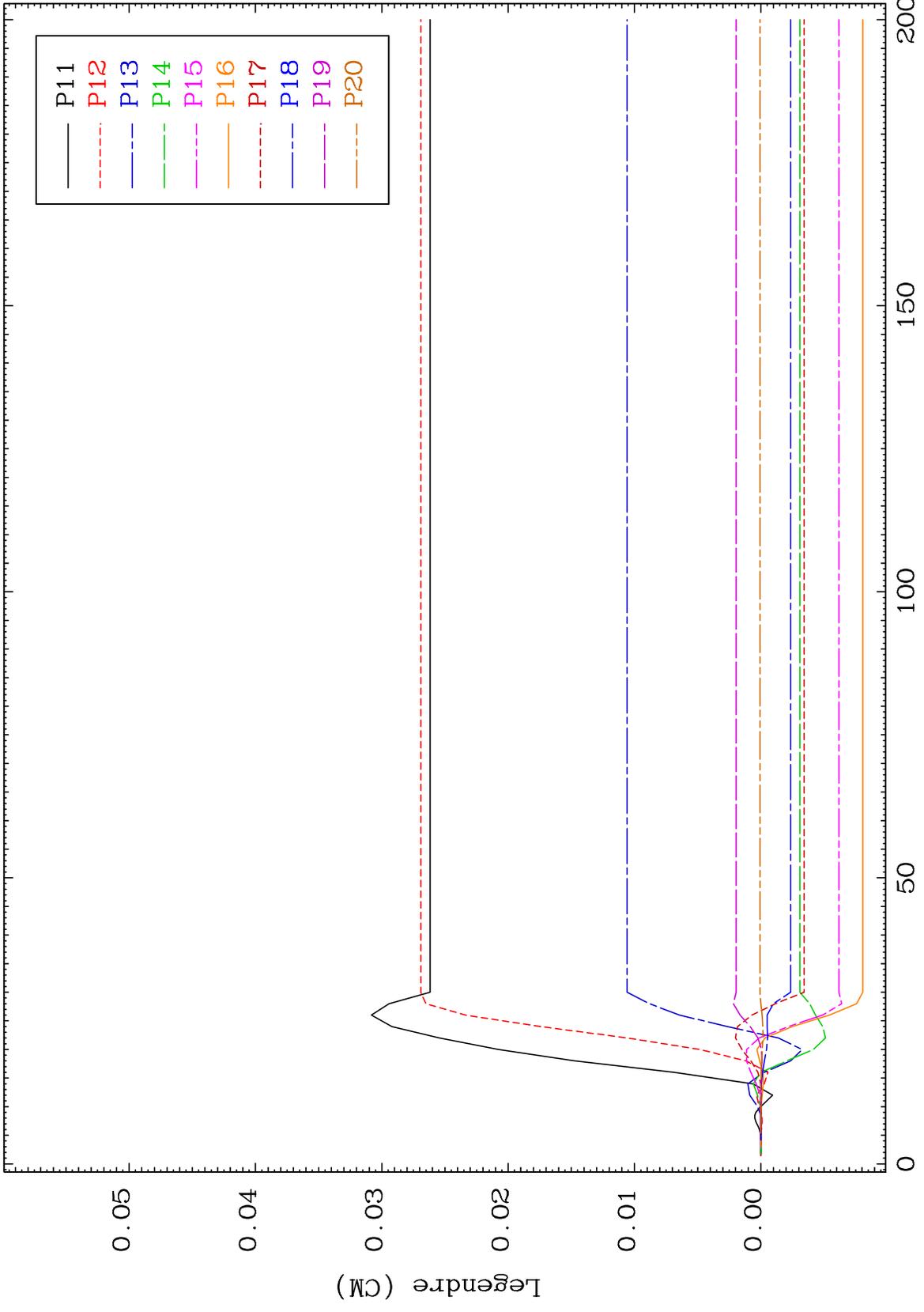
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 57 (n,n') Level
Legendre Coefficients

83-Bi-192



42

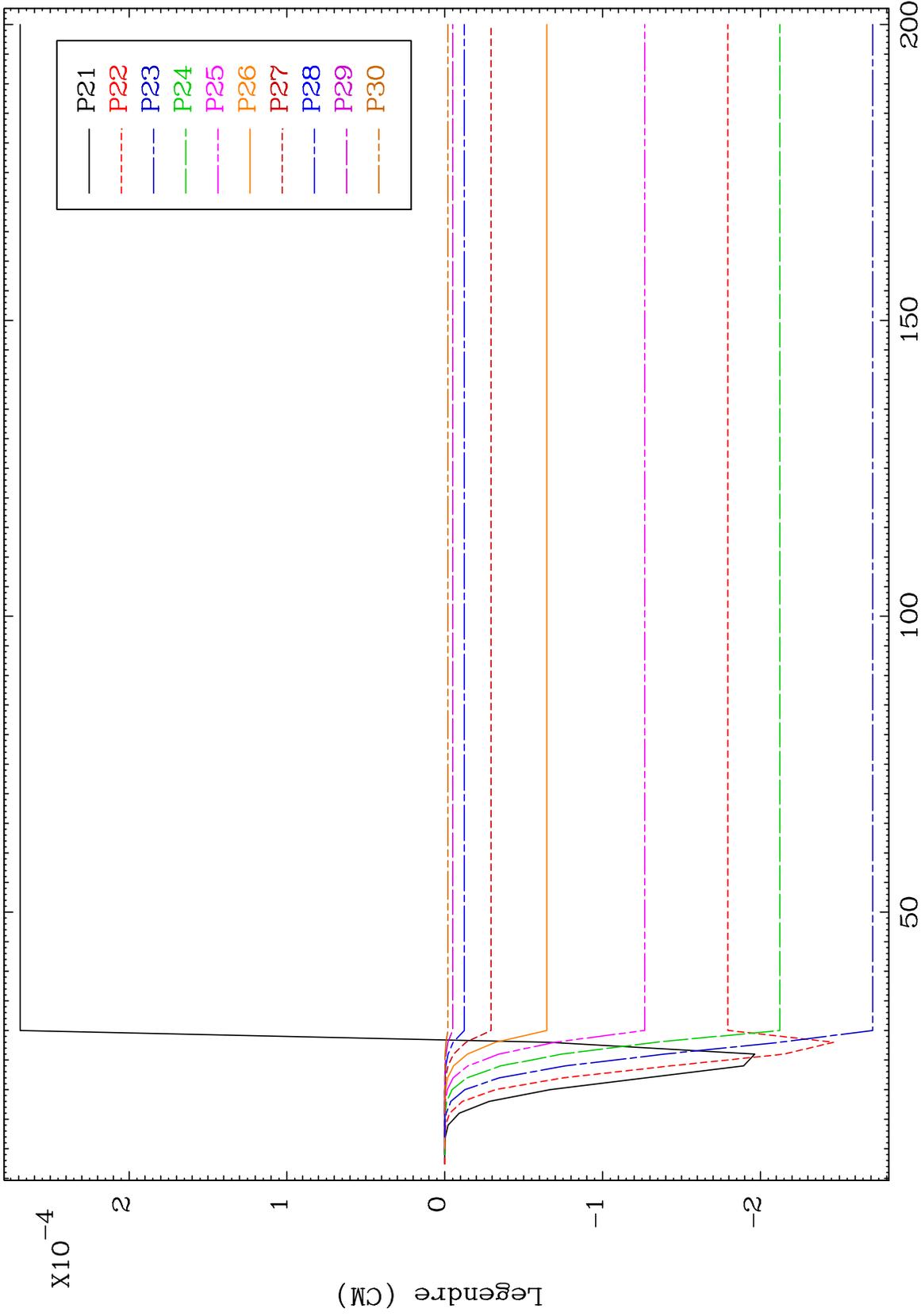
Incident Energy (MeV)

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MAT 8274

MT= 57 (n,n') Level
Legendre Coefficients

83-Bi-192



43

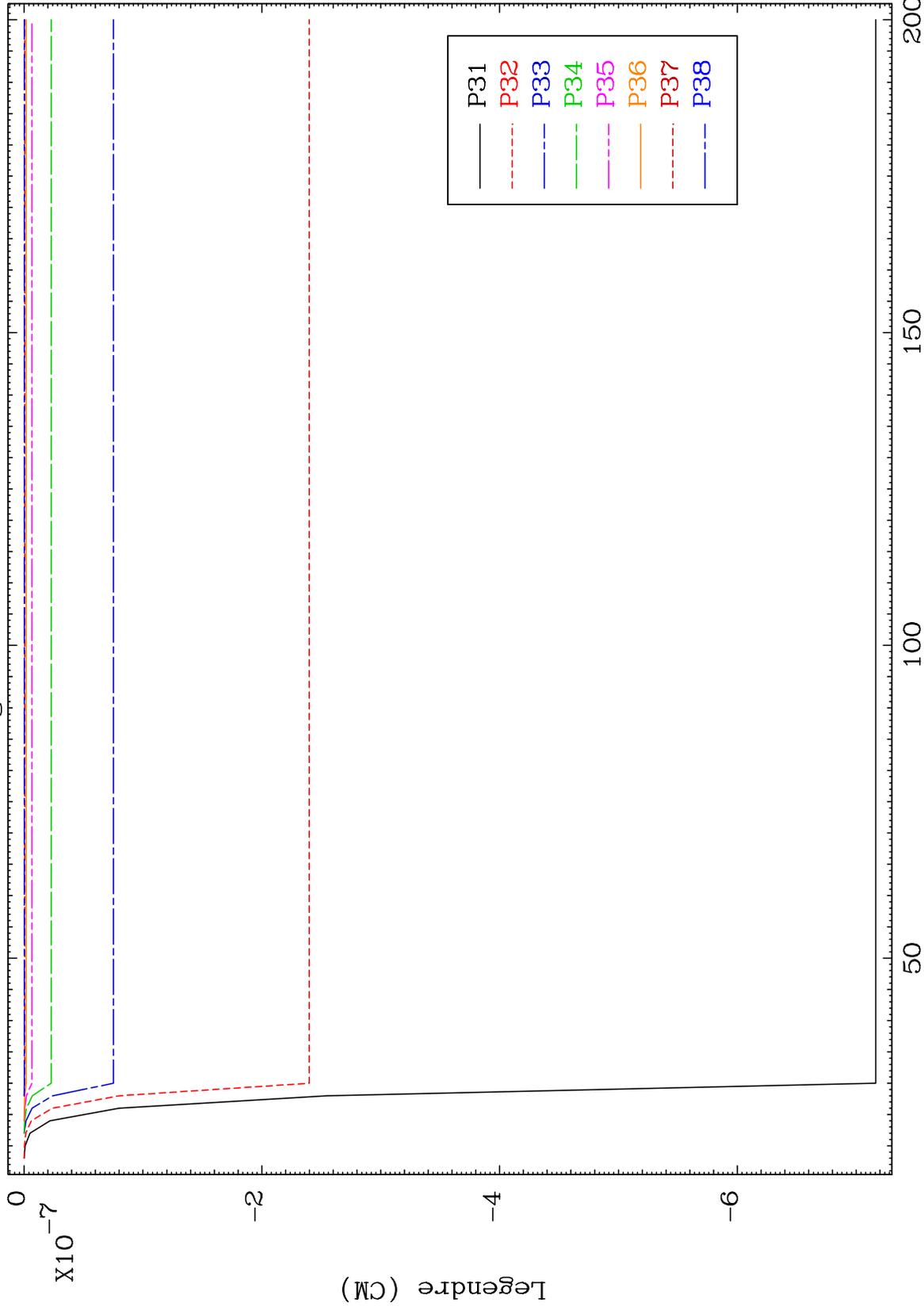
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 57 (n,n') Level
Legendre Coefficients

83-Bi-192



83-Bi-192

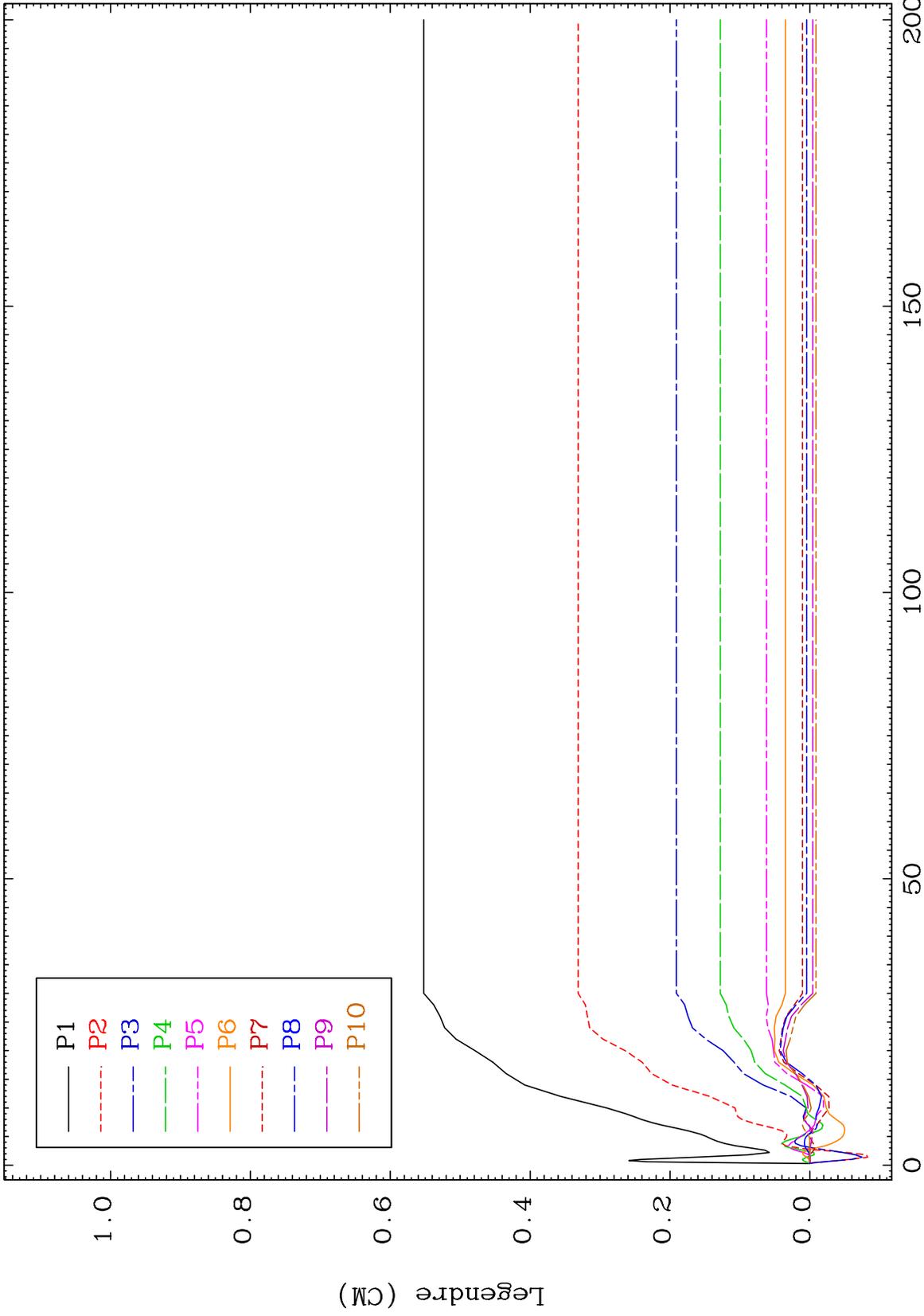
Incident Energy (MeV)

44

MAT 8274

MT= 58 (n,n') Level
Legendre Coefficients

83-Bi-192



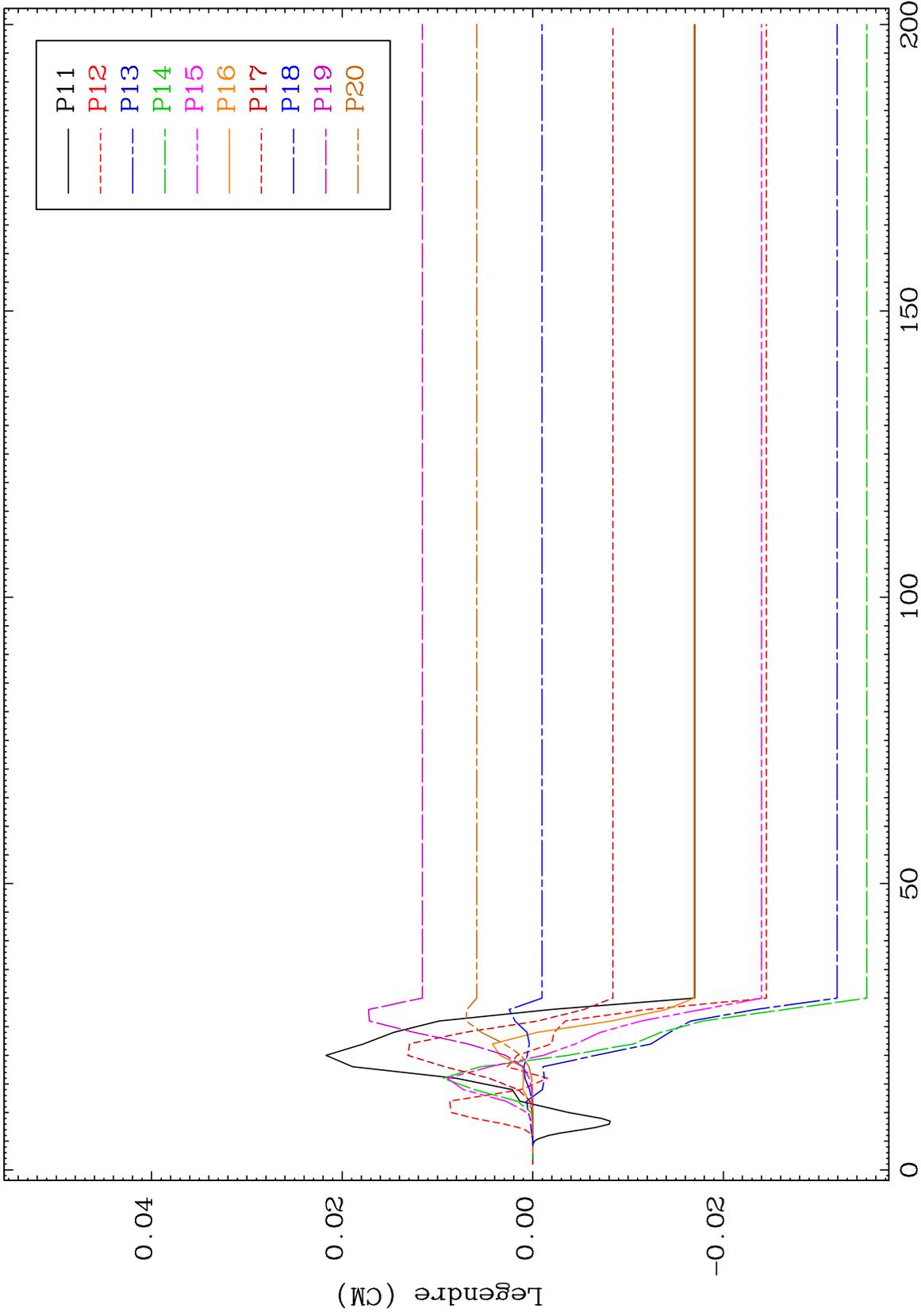
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83-Bi-192

MAT 8274

MT= 58 (n,n') Level
Legendre Coefficients

83-Bi-192



46

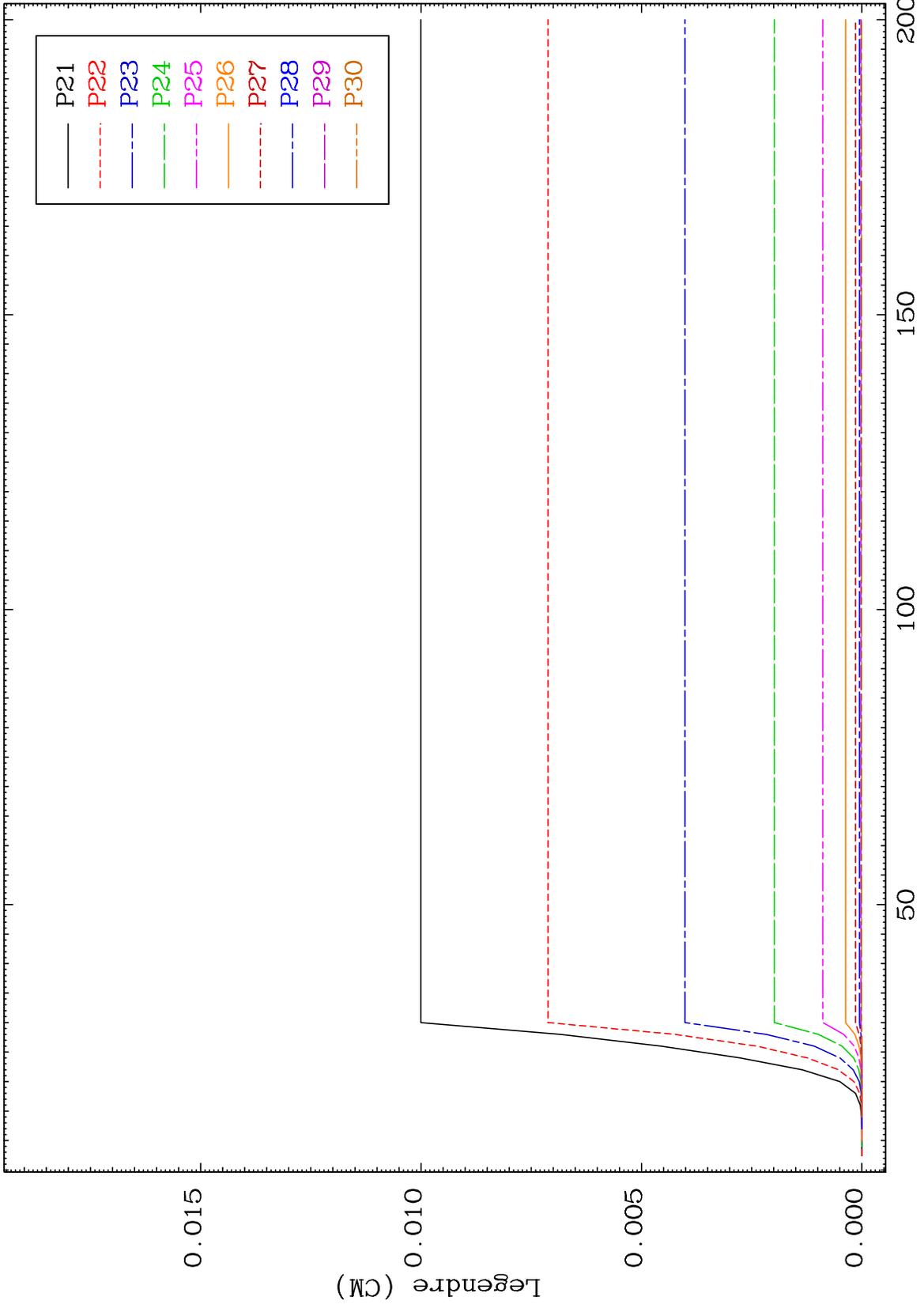
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 58 (n,n') Level
Legendre Coefficients

83-Bi-192



47

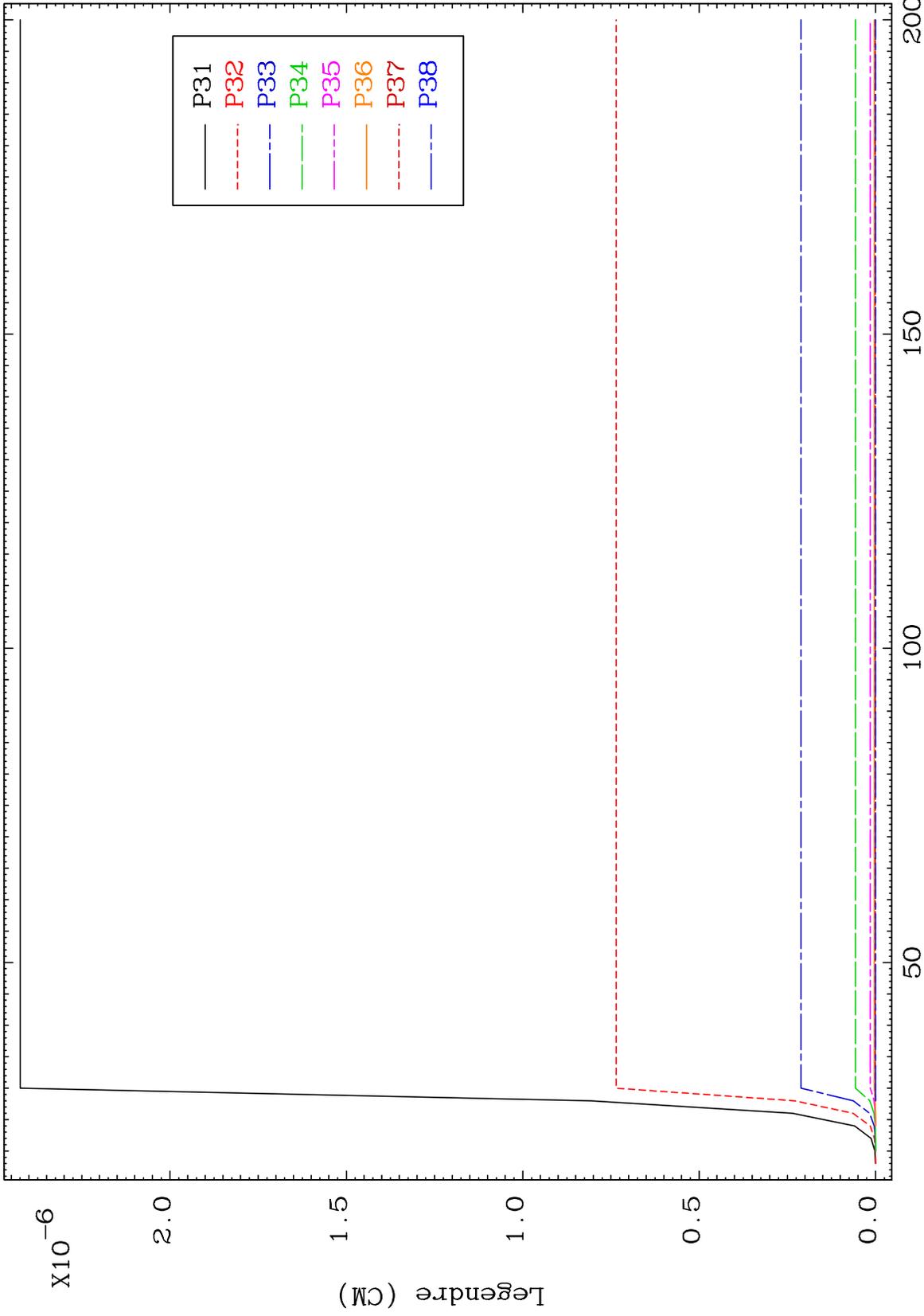
Incident Energy (MeV)

83-Bi-192

MAT 8274

MT= 58 (n,n') Level
Legendre Coefficients

83-Bi-192



48

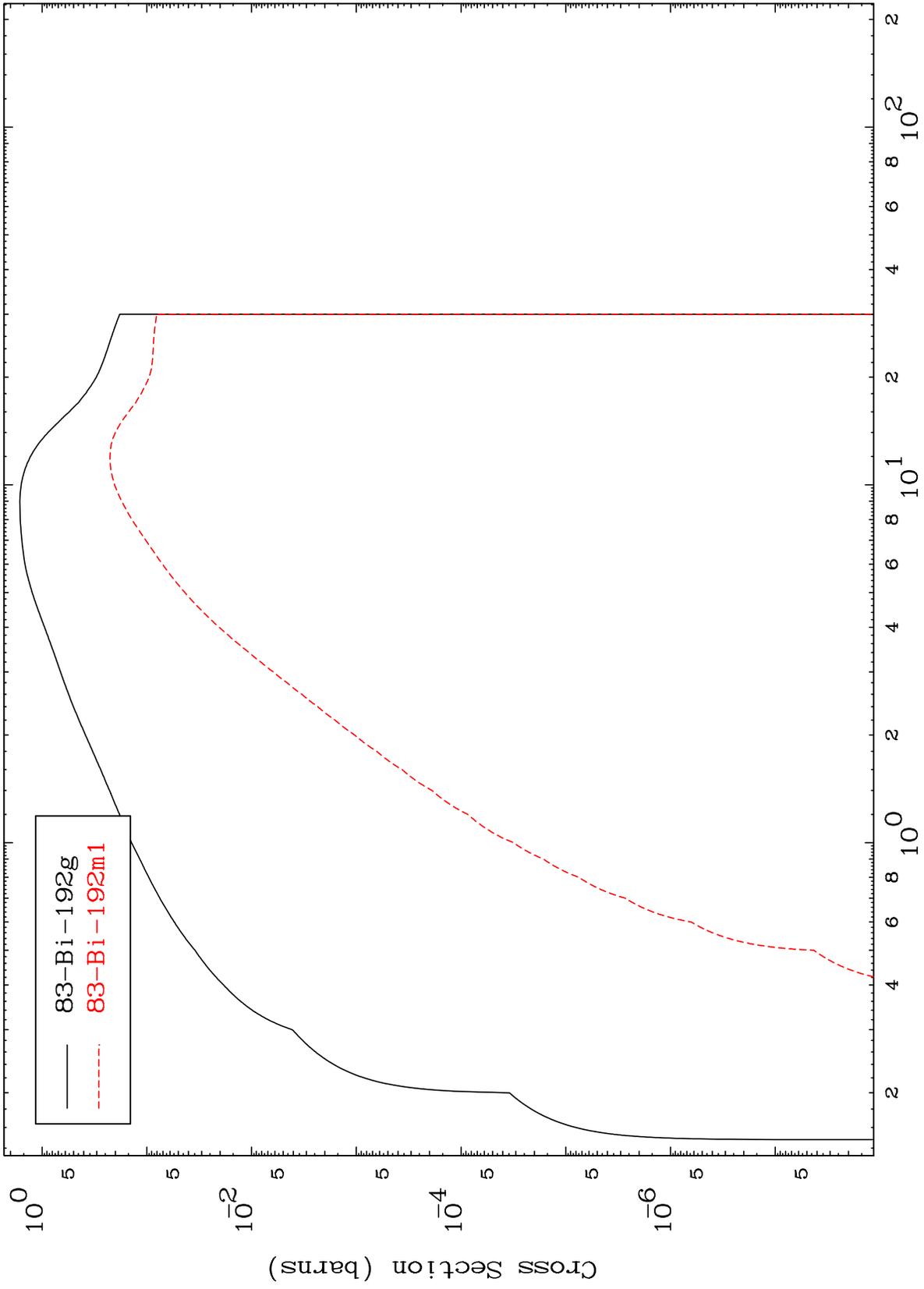
Incident Energy (MeV)

83-Bi-192

MAT 8274

Inelastic Radionuclide Production Cross Section

83-Bi-192



49

Incident Energy (MeV)

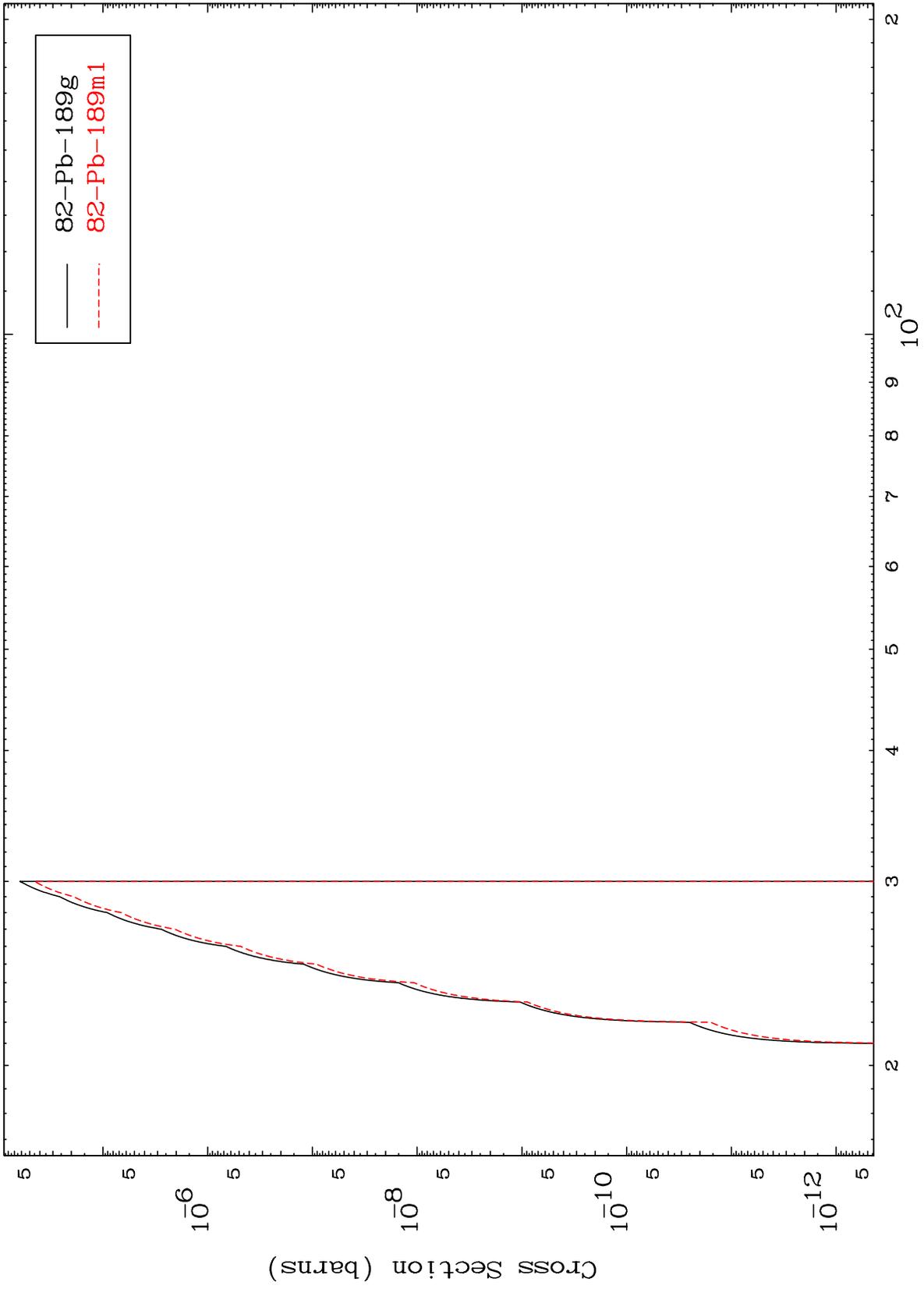
83-Bi-192

MAT 8274

(n,2n) d

83-Bi-192

Radionuclide Production Cross Section



50

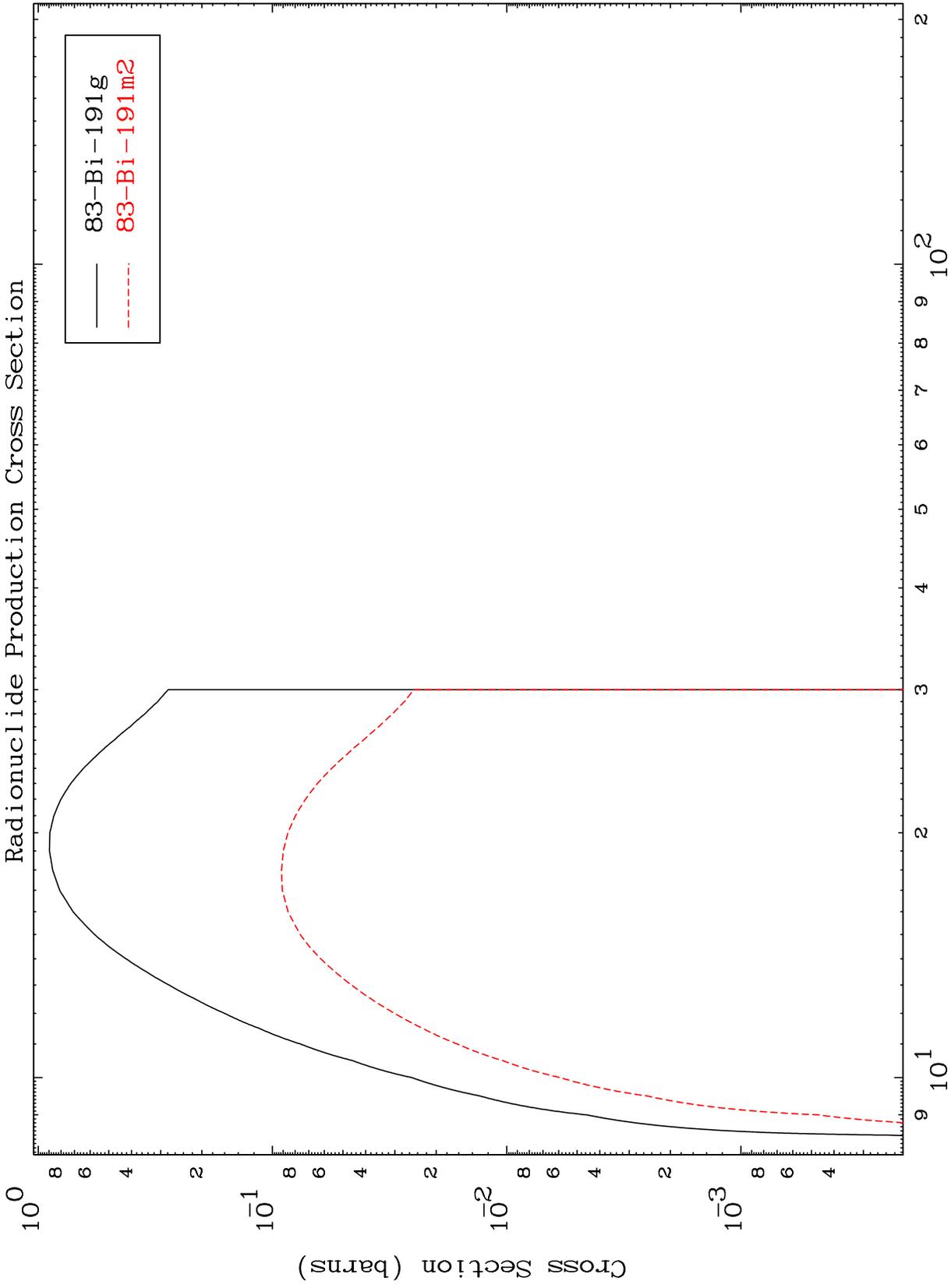
Incident Energy (MeV)

83-Bi-192

MAT 8274

⁸³Bi-192

(n,2n)
Radionuclide Production Cross Section



51

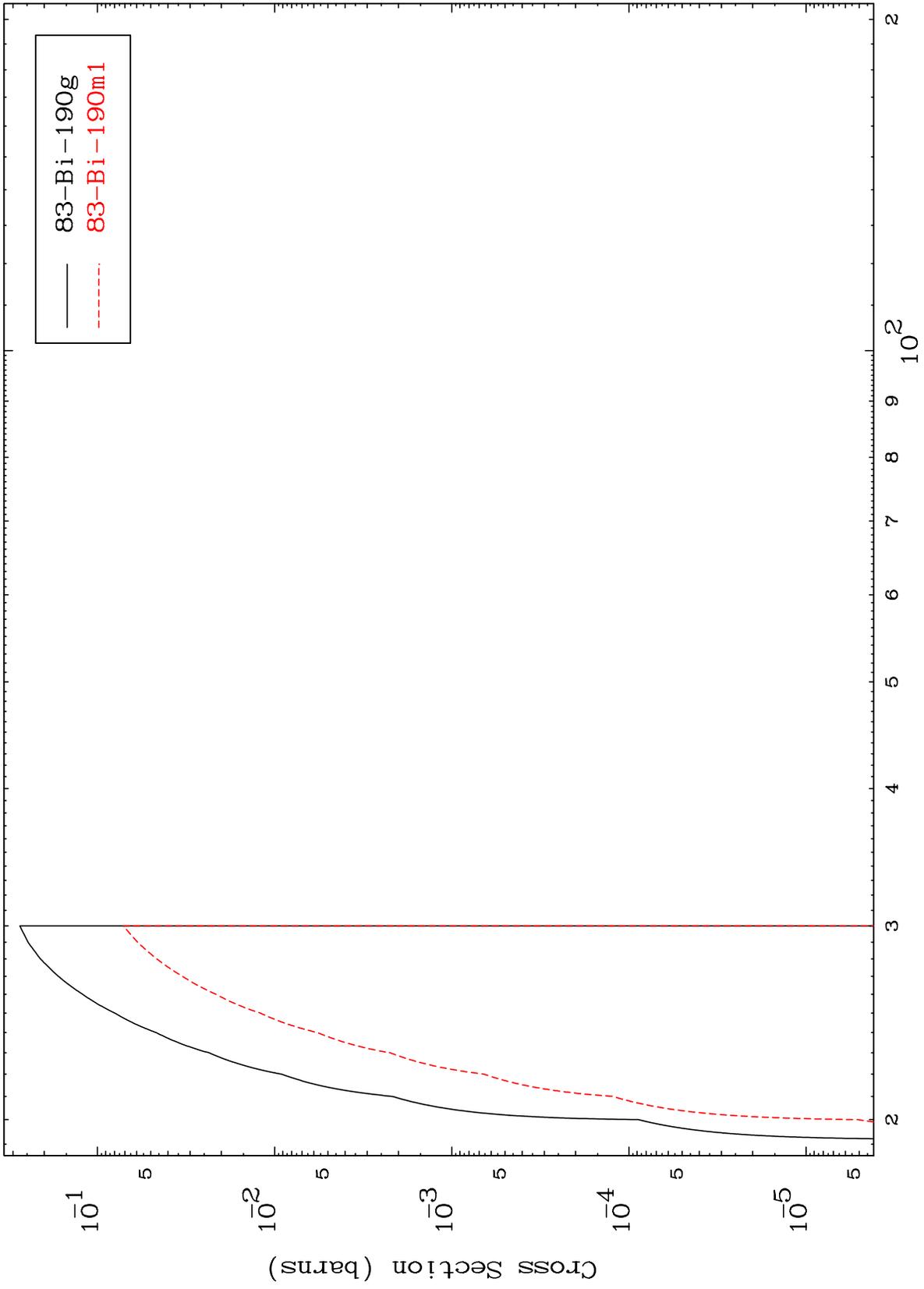
Incident Energy (MeV)

⁸³Bi-192

MAT 8274

⁸³Bi-192

(n,3n)
Radionuclide Production Cross Section



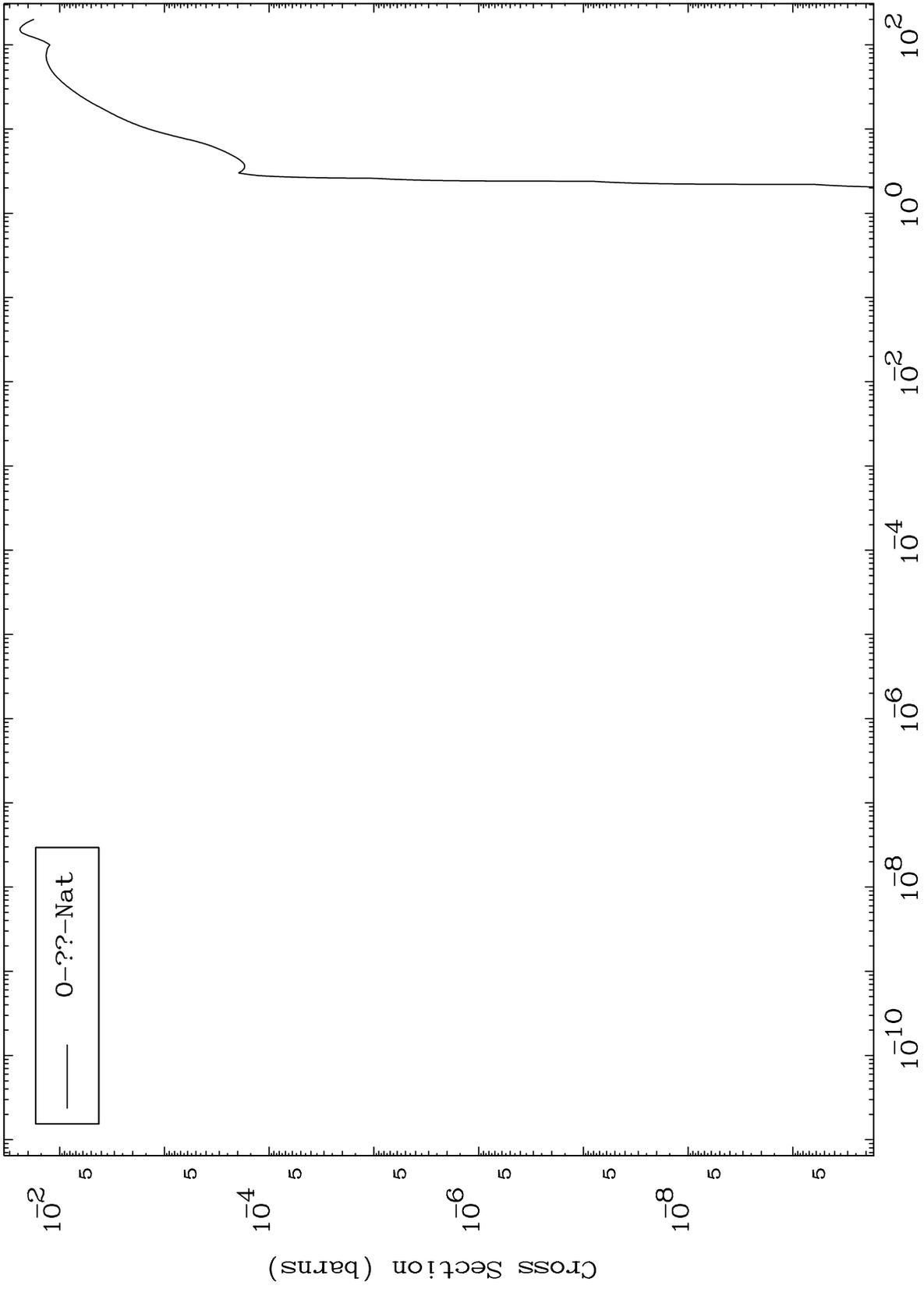
52

⁸³Bi-192

MAT 8274

Fission
Radionuclide Production Cross Section

83-Bi-192



0-??-Nat

53

Incident Energy (MeV)

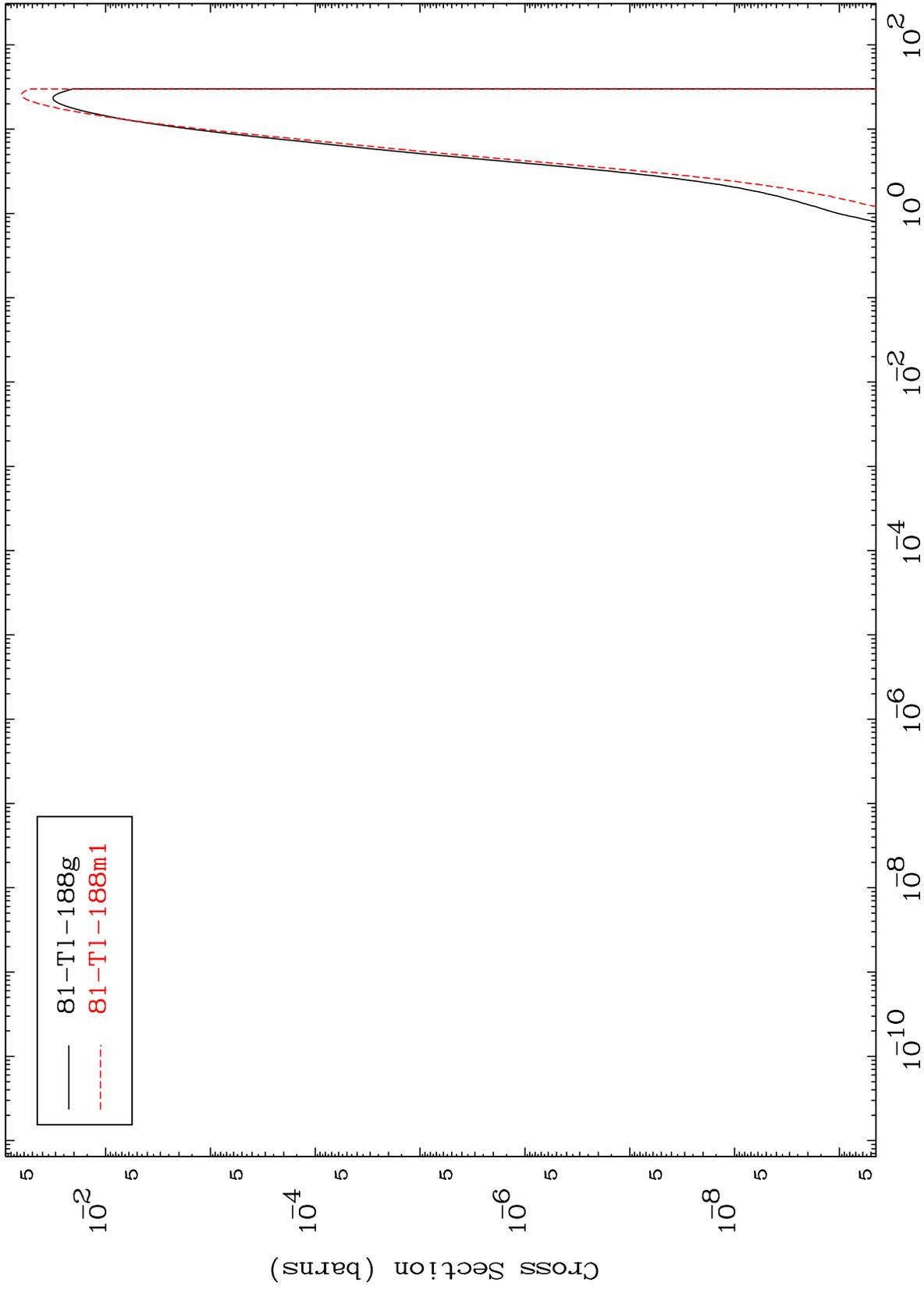
83-Bi-192

MAT 8274

(n,n') α

83-Bi-192

Radionuclide Production Cross Section



54

Incident Energy (MeV)

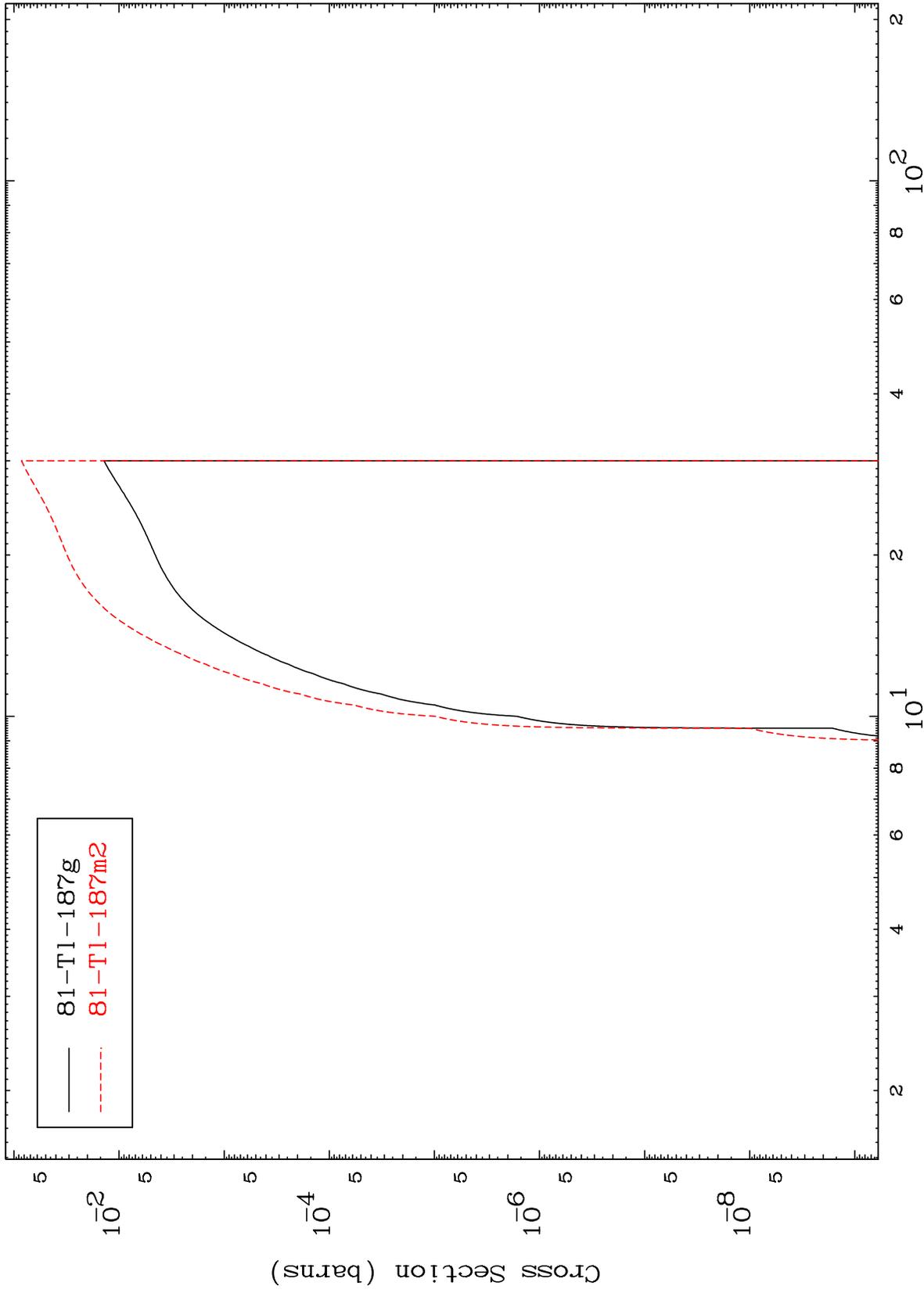
83-Bi-192

MAT 8274

(n,2n) α

83-Bi-192

Radionuclide Production Cross Section



55

Incident Energy (MeV)

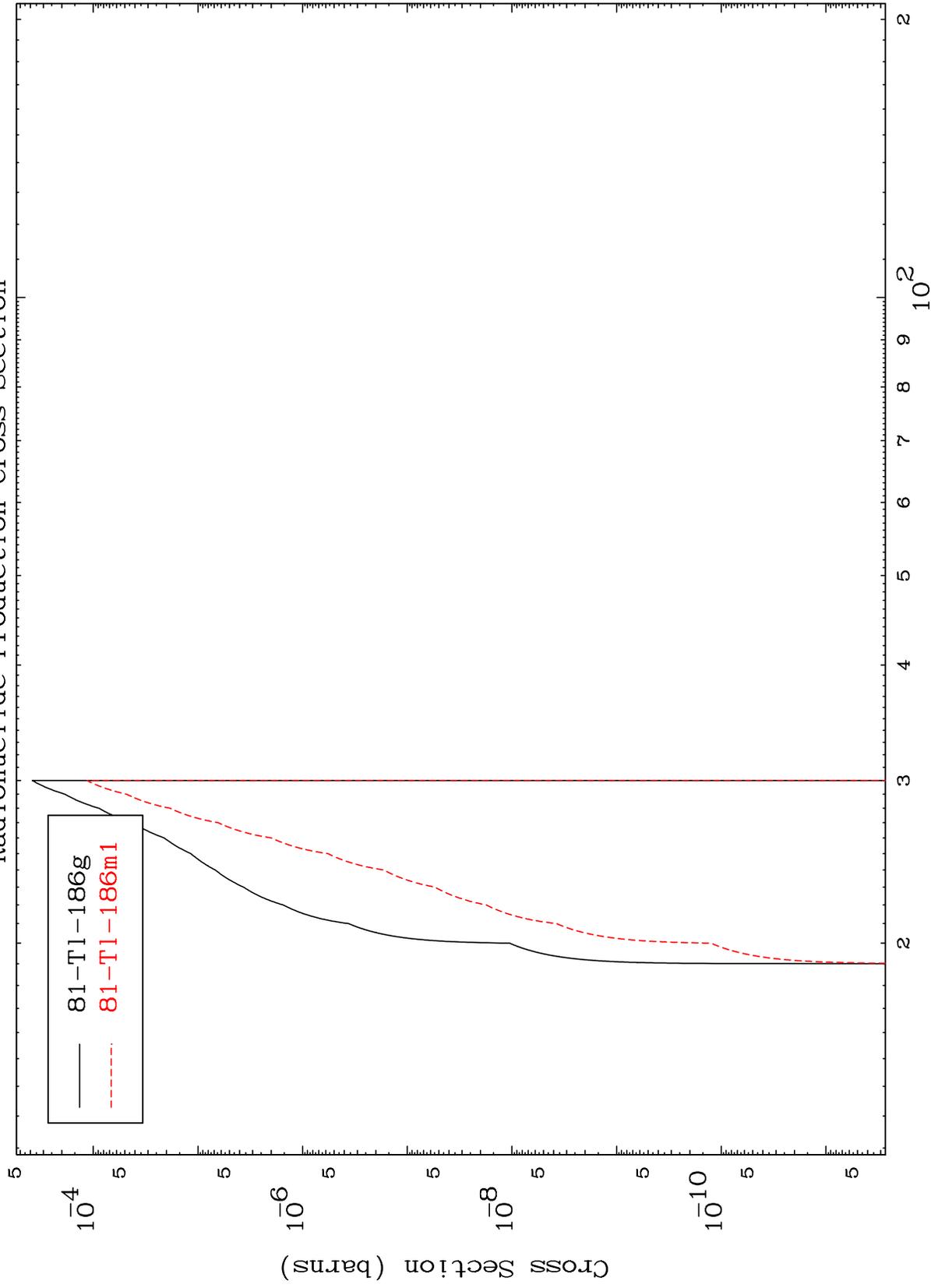
83-Bi-192

MAT 8274

(n,3n) α

83-Bi-192

Radionuclide Production Cross Section



56

Incident Energy (MeV)

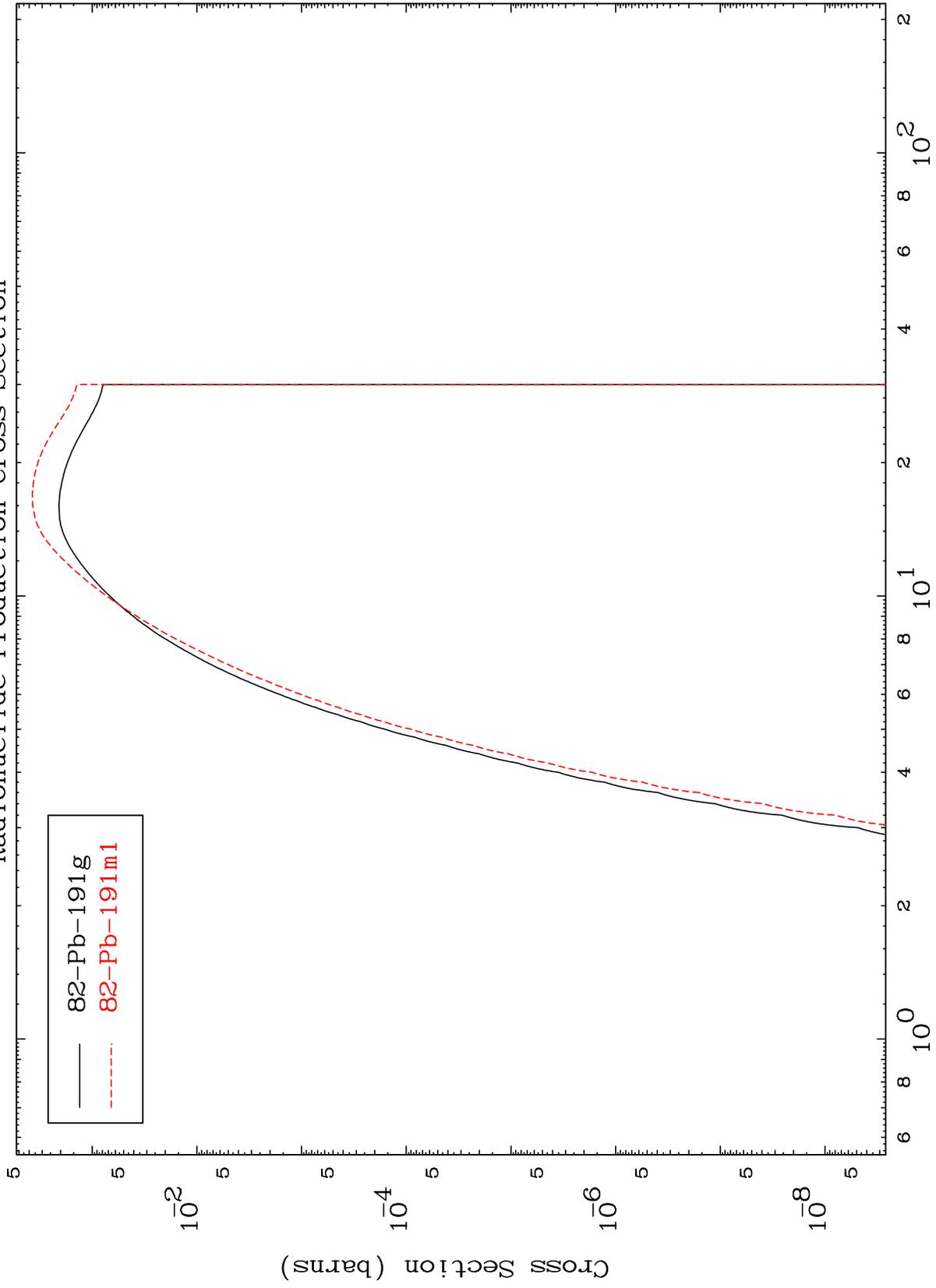
83-Bi-192

MAT 8274

(n,n') p

83-Bi-192

Radionuclide Production Cross Section



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

57

Incident Energy (MeV)

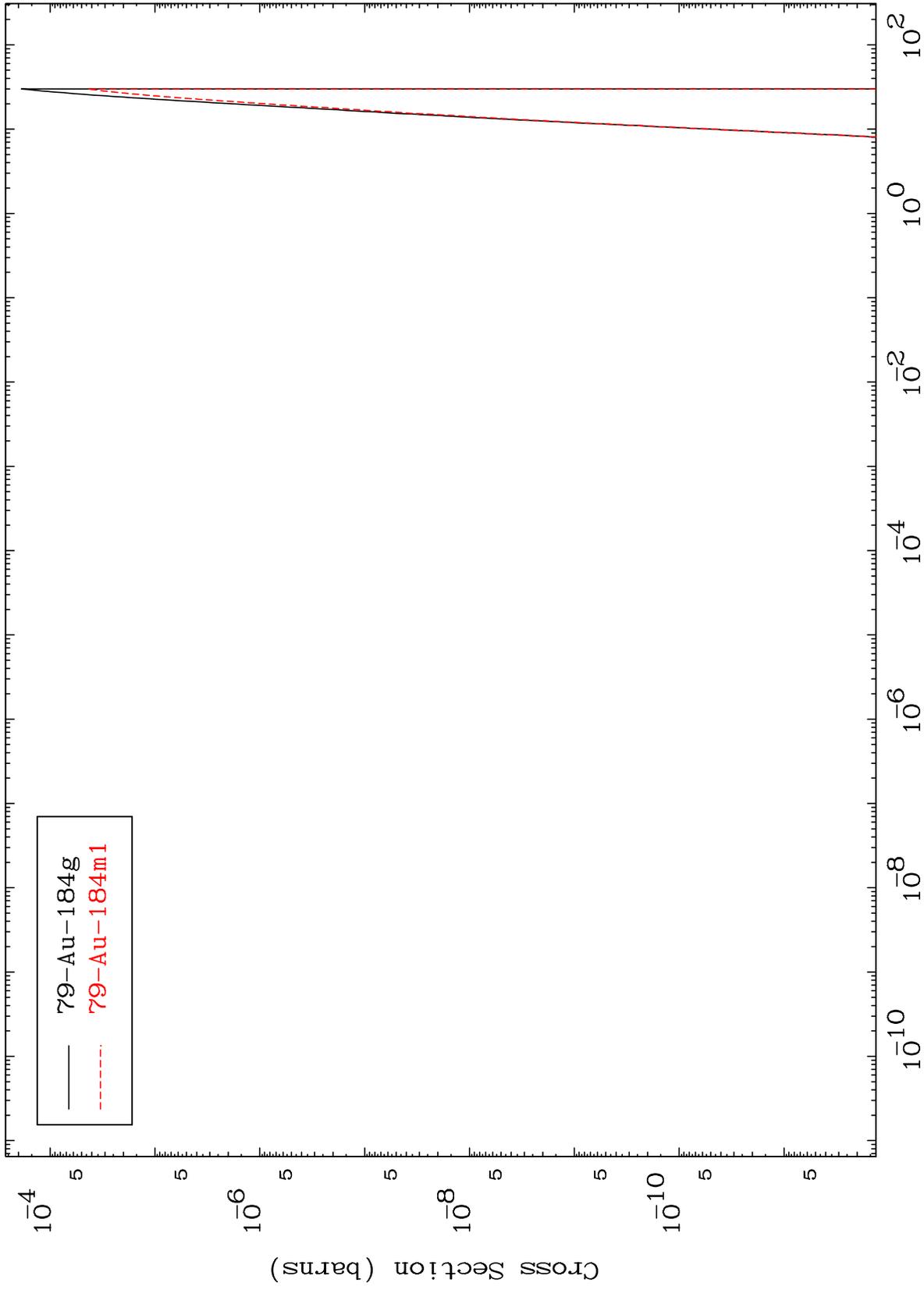
83-Bi-192

MAT 8274

(n,n') 2 α

83-Bi-192

Radionuclide Production Cross Section



58

Incident Energy (MeV)

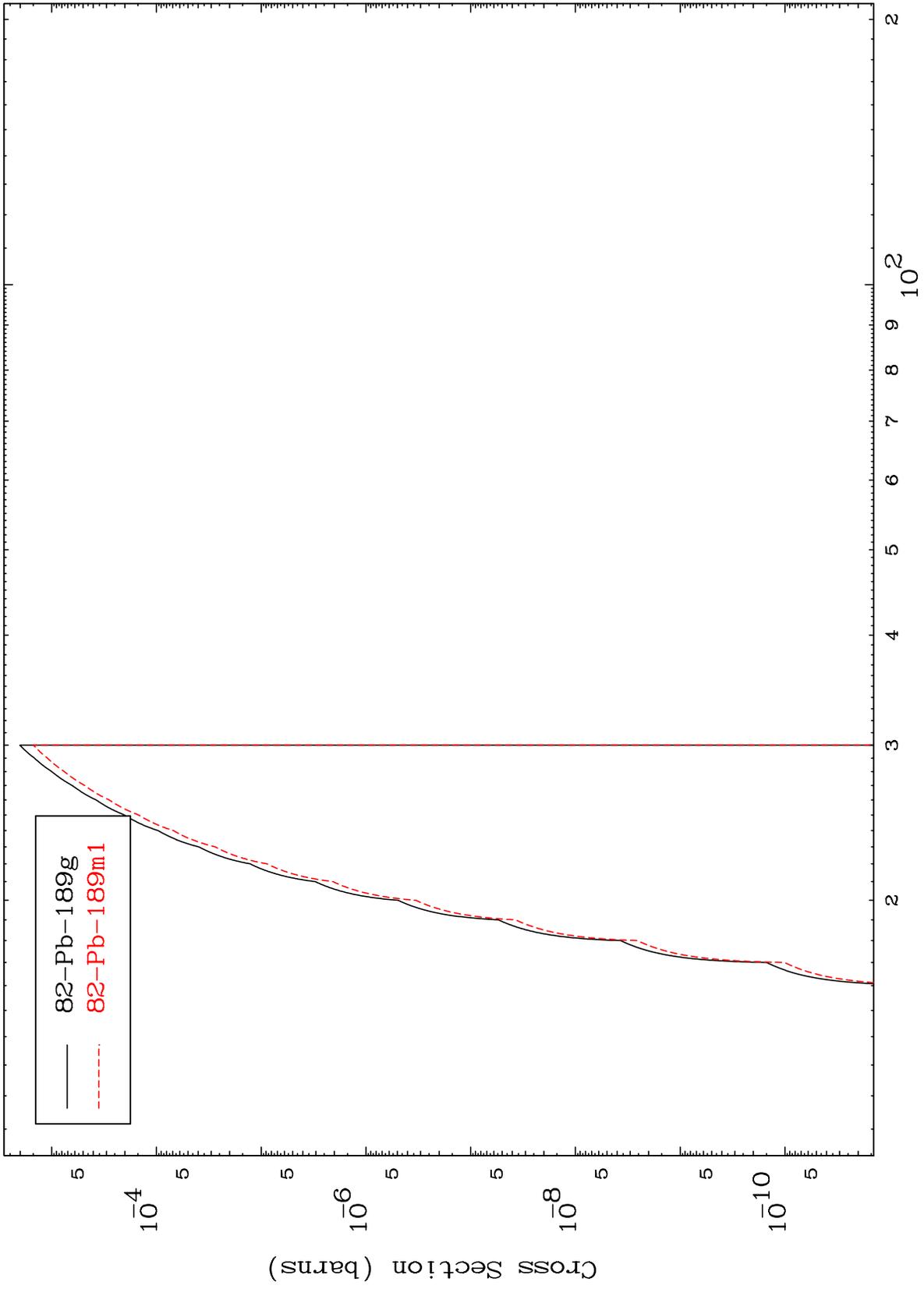
83-Bi-192

MAT 8274

(n,n') t

83-Bi-192

Radionuclide Production Cross Section



59

Incident Energy (MeV)

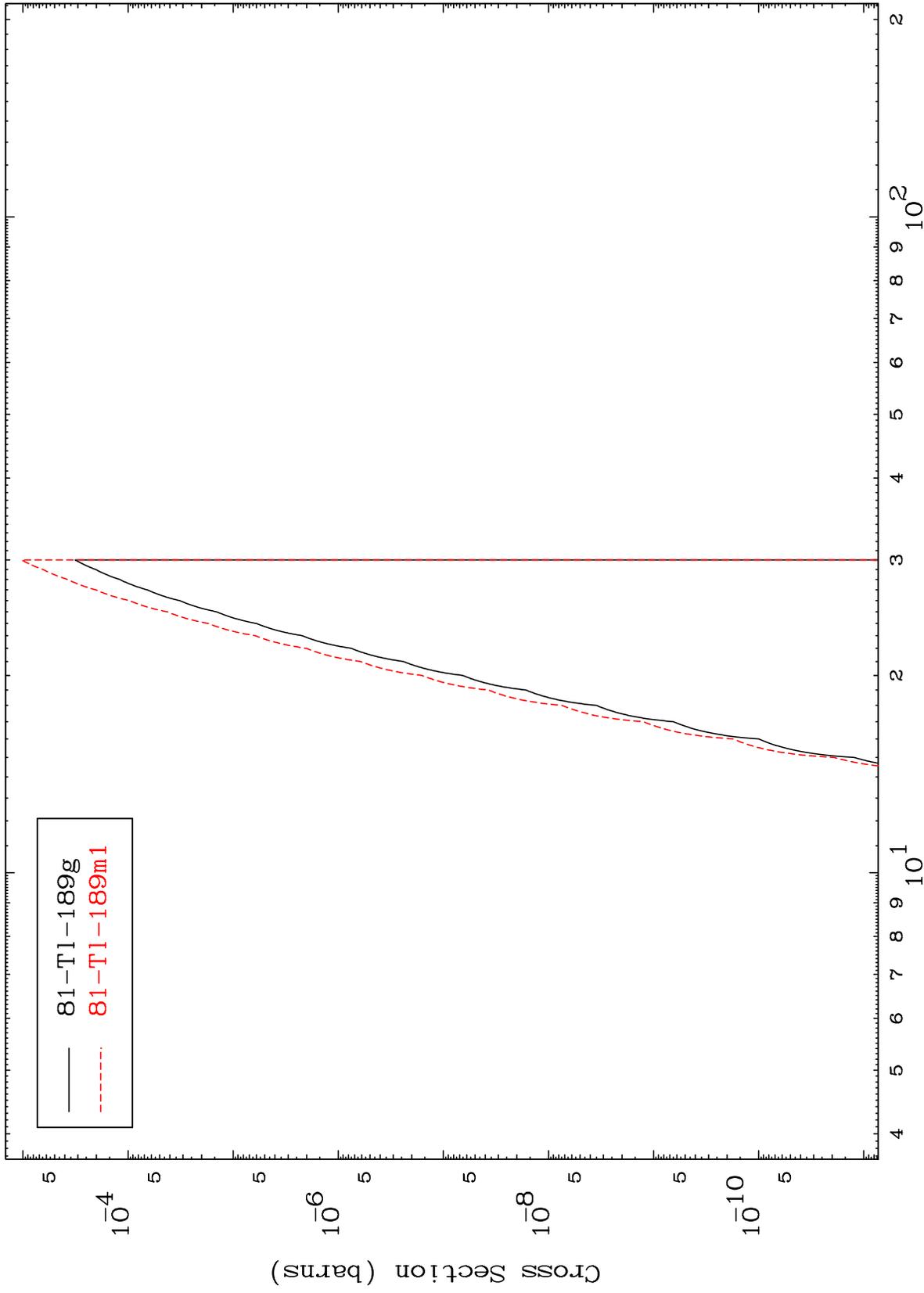
83-Bi-192

MAT 8274

(n, n') He-3

83-Bi-192

Radionuclide Production Cross Section



60

Incident Energy (MeV)

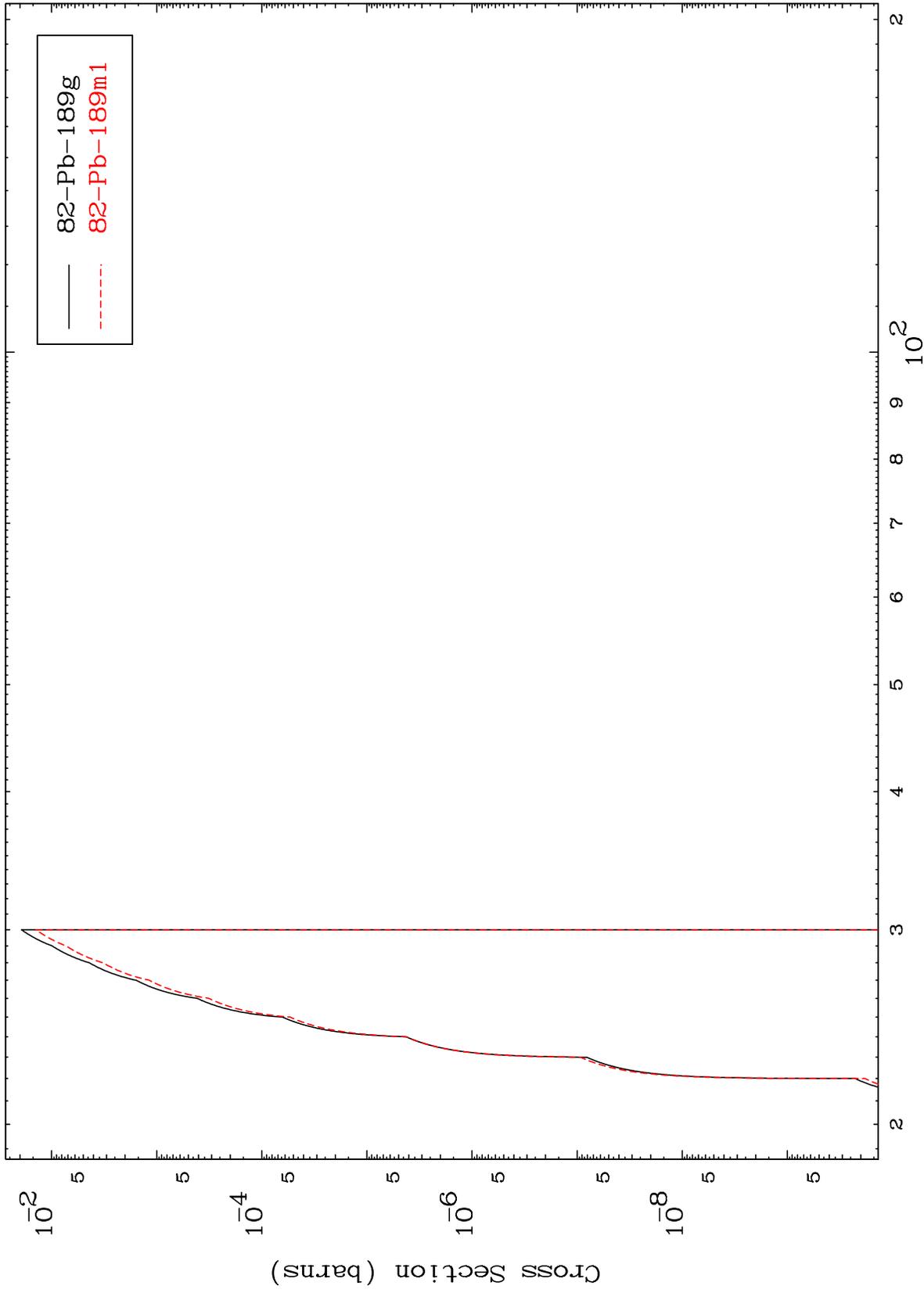
83-Bi-192

MAT 8274

(n,3n) p

83-Bi-192

Radionuclide Production Cross Section



61

Incident Energy (MeV)

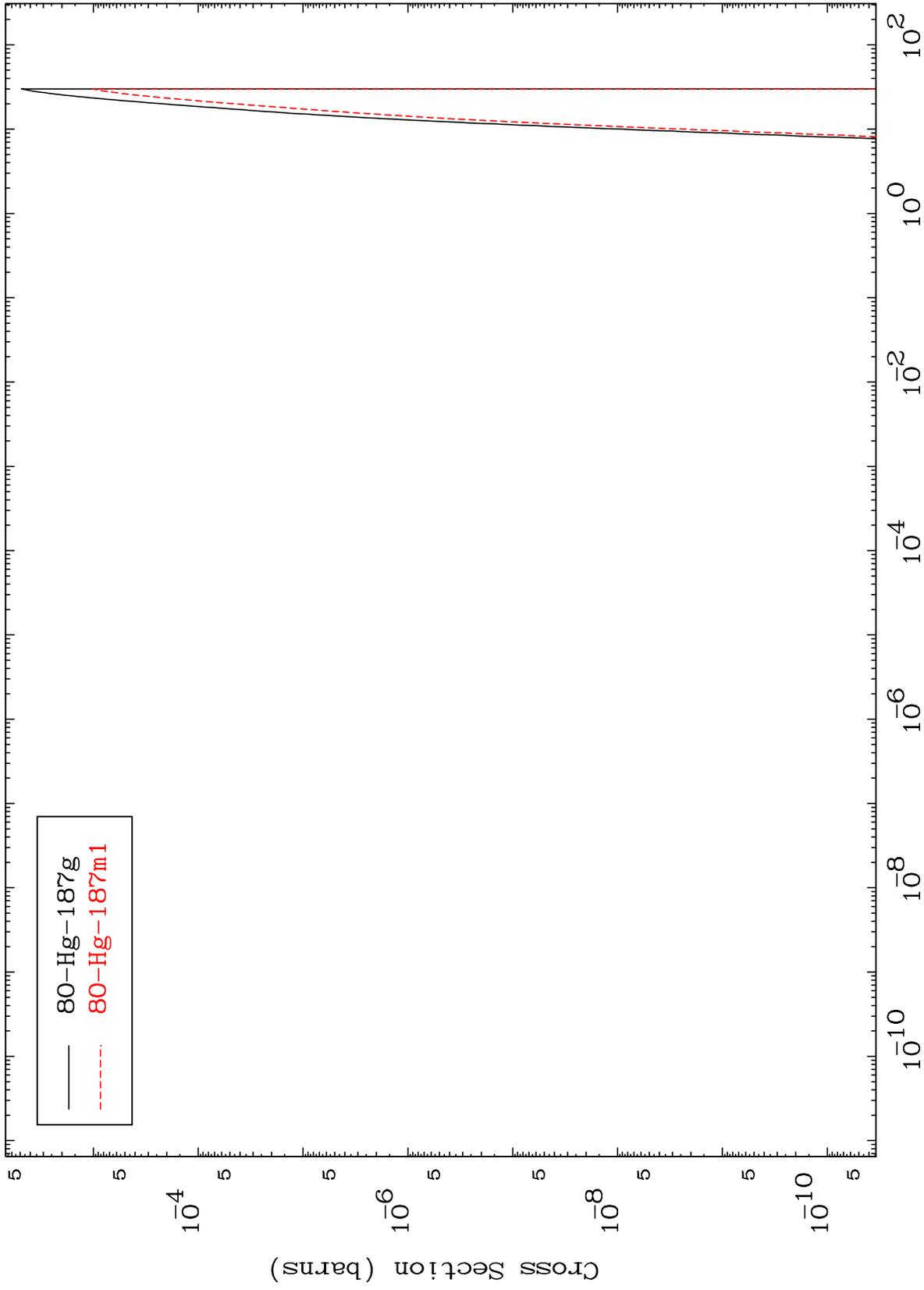
83-Bi-192

MAT 8274

(n,n') p α

83-Bi-192

Radionuclide Production Cross Section



62

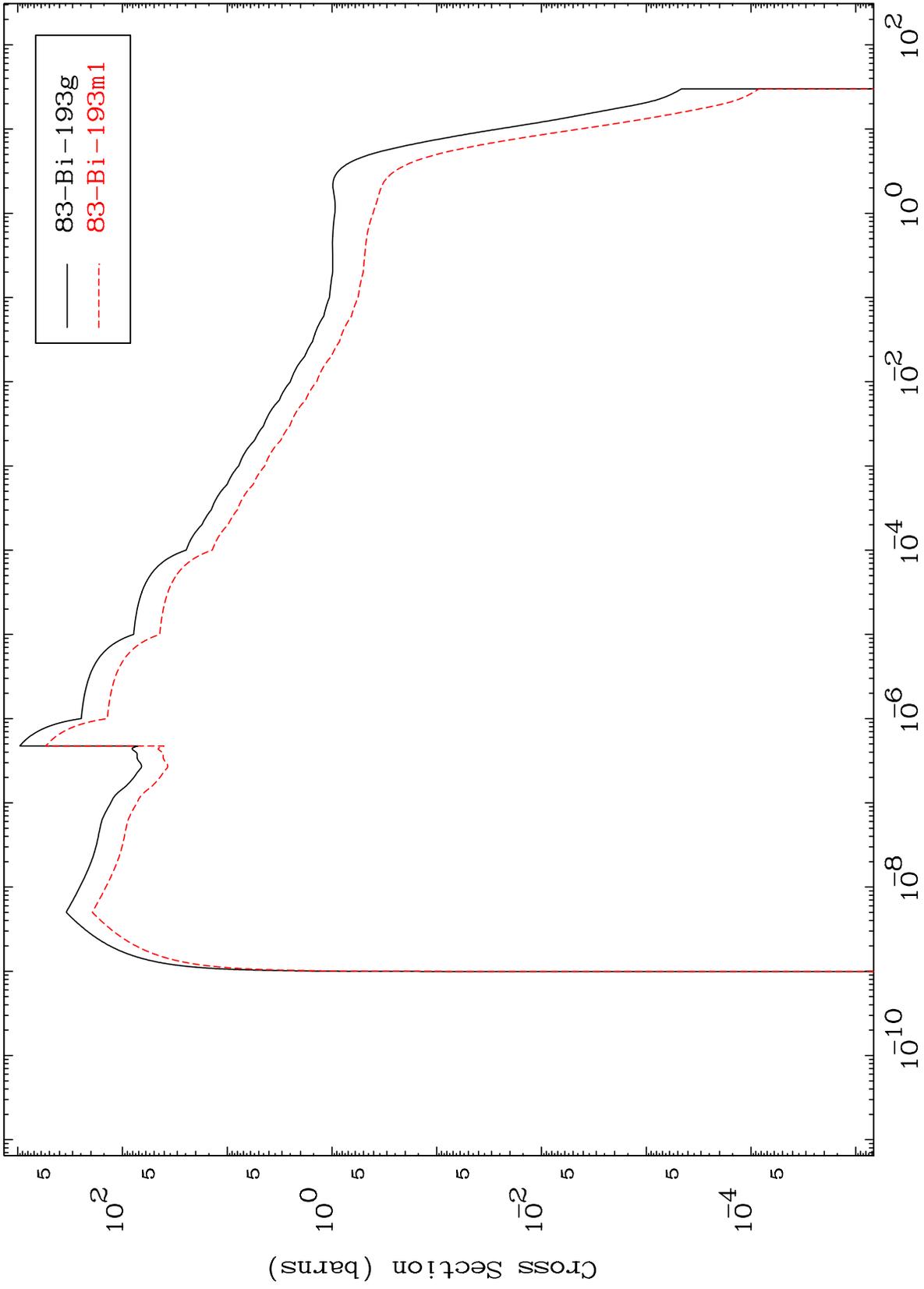
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

(n,γ)
Radionuclide Production Cross Section



63

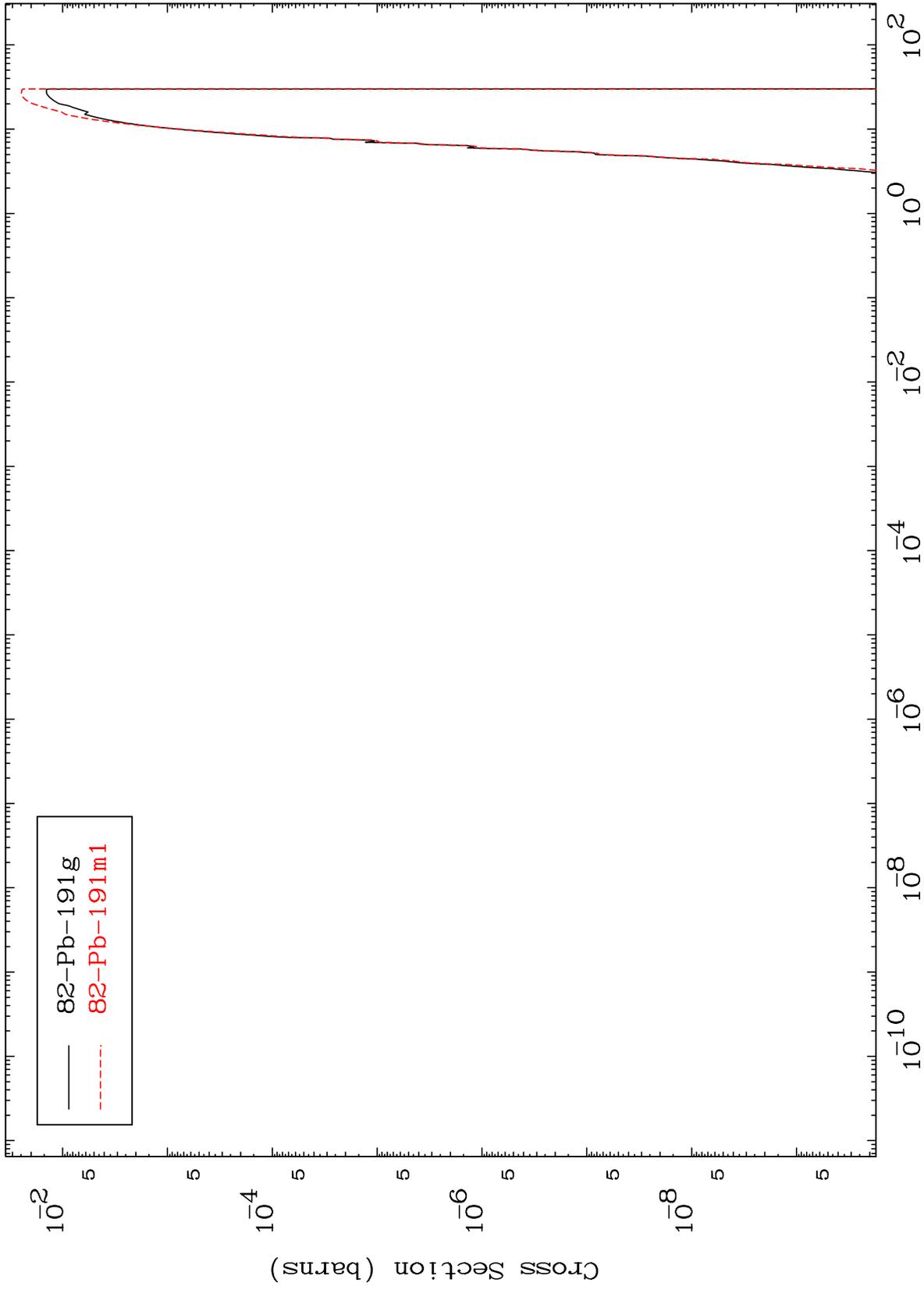
83-Bi-192

MAT 8274

(n,d)

83-Bi-192

Radionuclide Production Cross Section



64

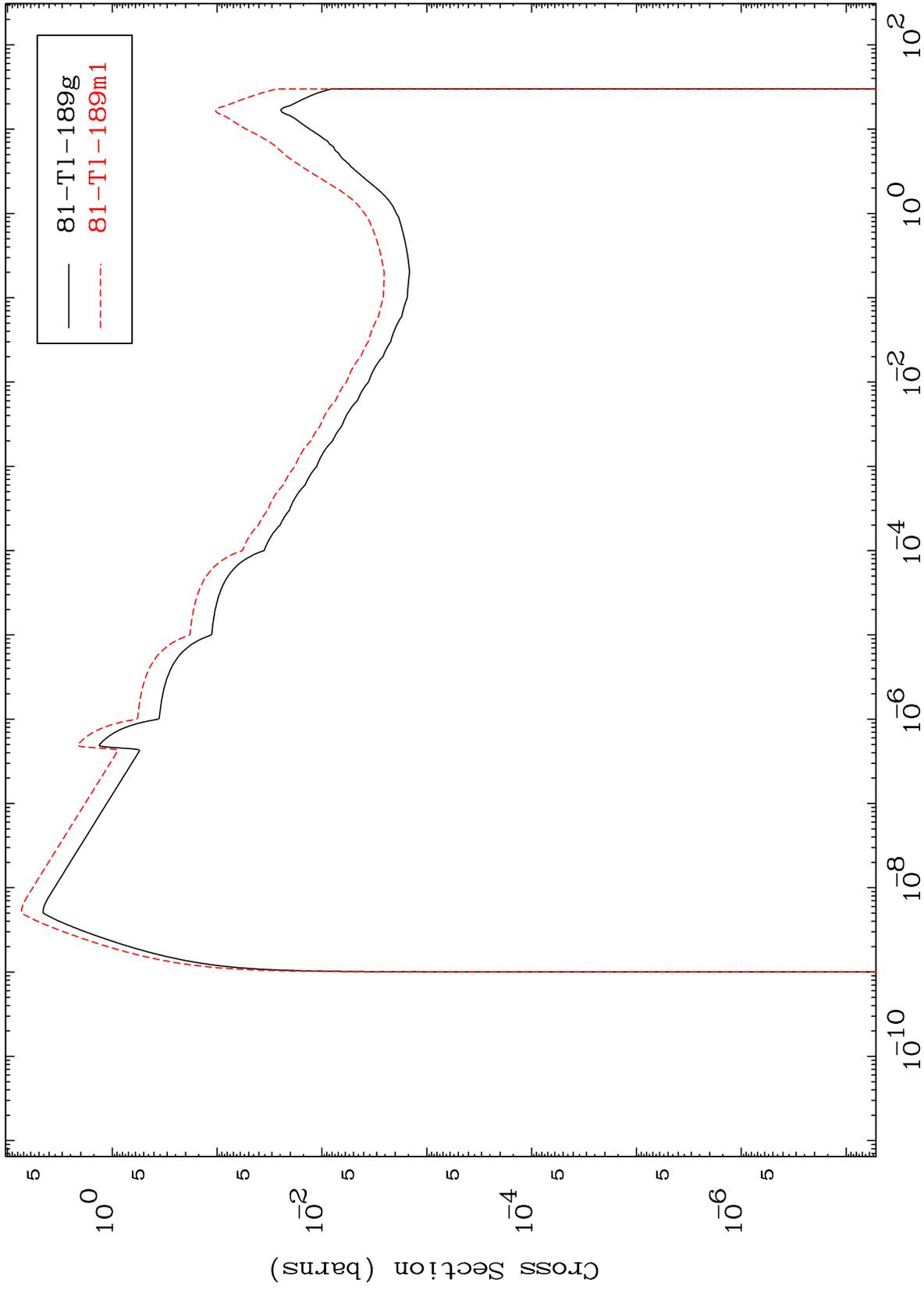
Incident Energy (MeV)

83-Bi-192

MAT 8274

83-Bi-192

(n, α)
Radionuclide Production Cross Section



65

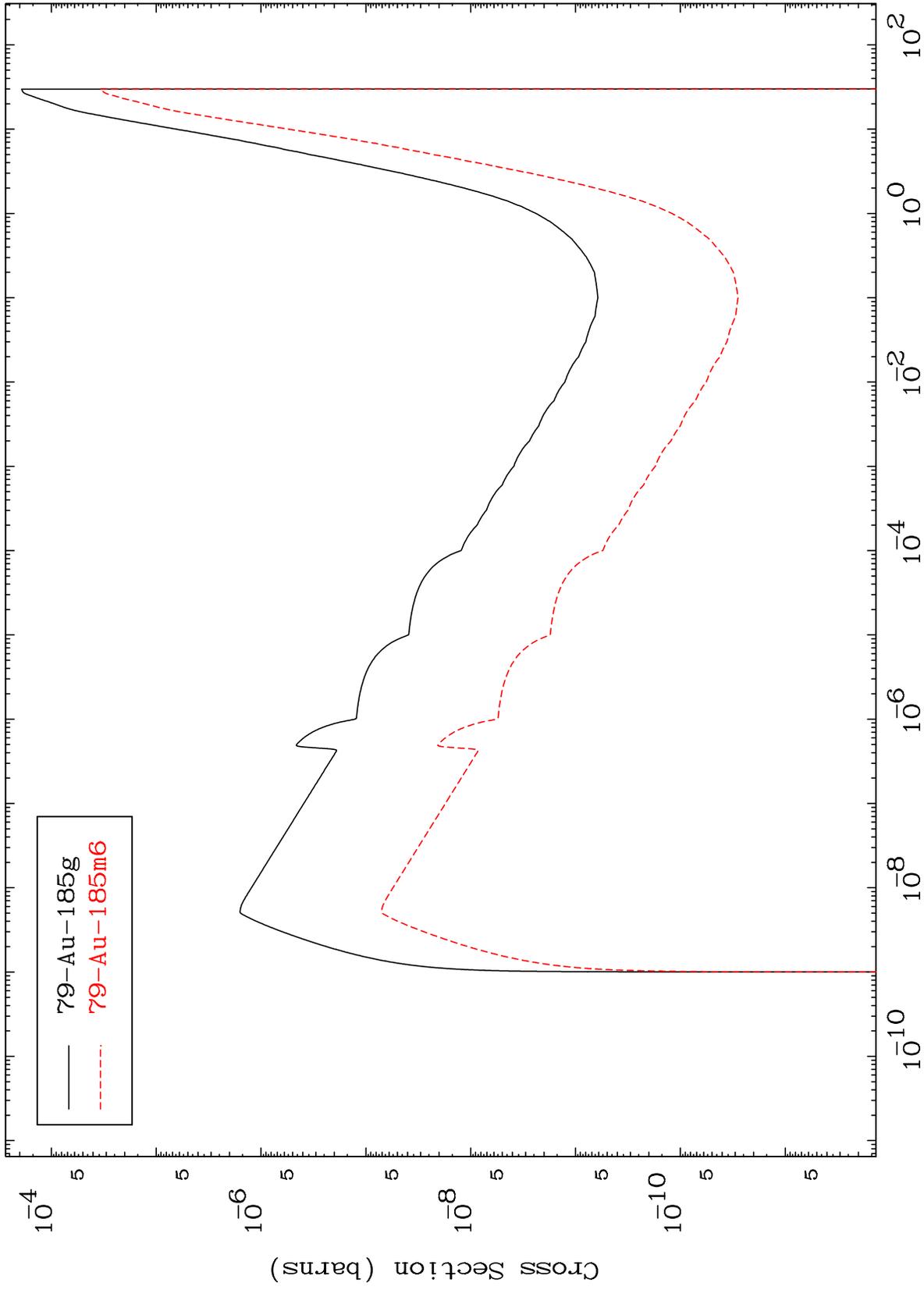
83-Bi-192

MAT 8274

(n,2α)

83-Bi-192

Radionuclide Production Cross Section



— 79-Au-185g
- - - 79-Au-185m6

66

Incident Energy (MeV)

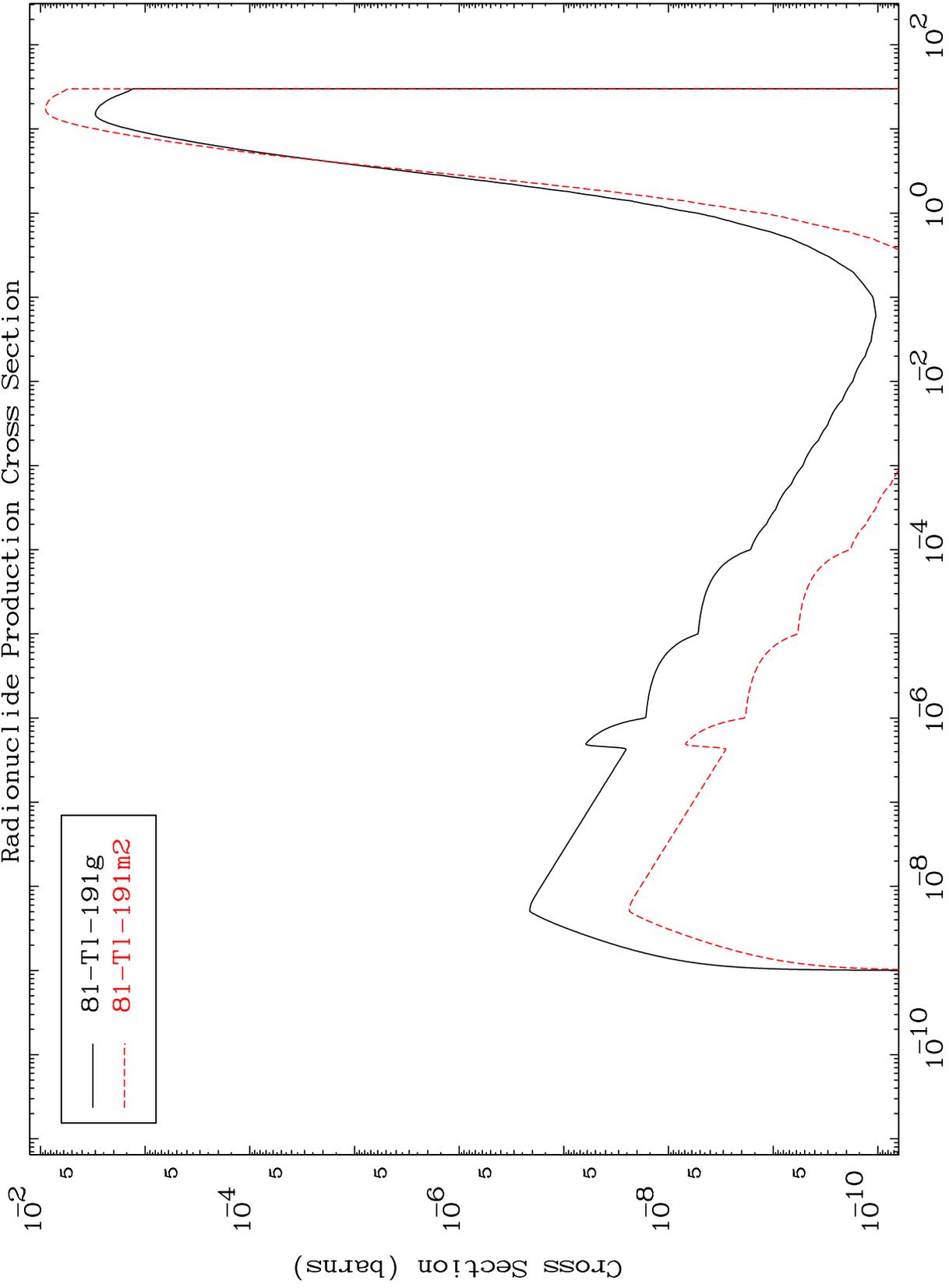
83-Bi-192

MAT 8274

(n,2p)

83-Bi-192

Radionuclide Production Cross Section



81-Tl-191g
81-Tl-191m2

67

Incident Energy (MeV)

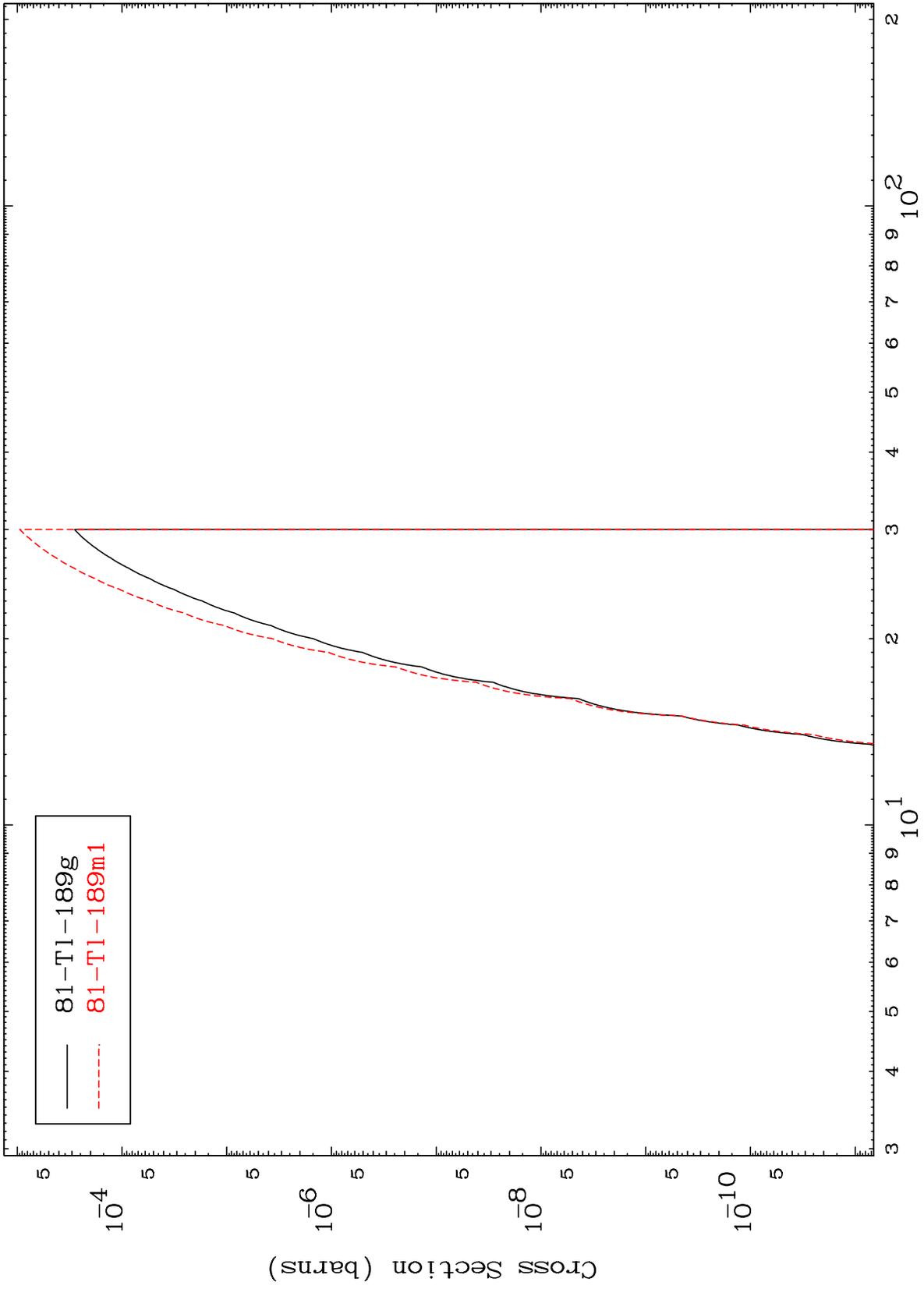
83-Bi-192

MAT 8274

(n,p) t

83-Bi-192

Radionuclide Production Cross Section



68

Incident Energy (MeV)

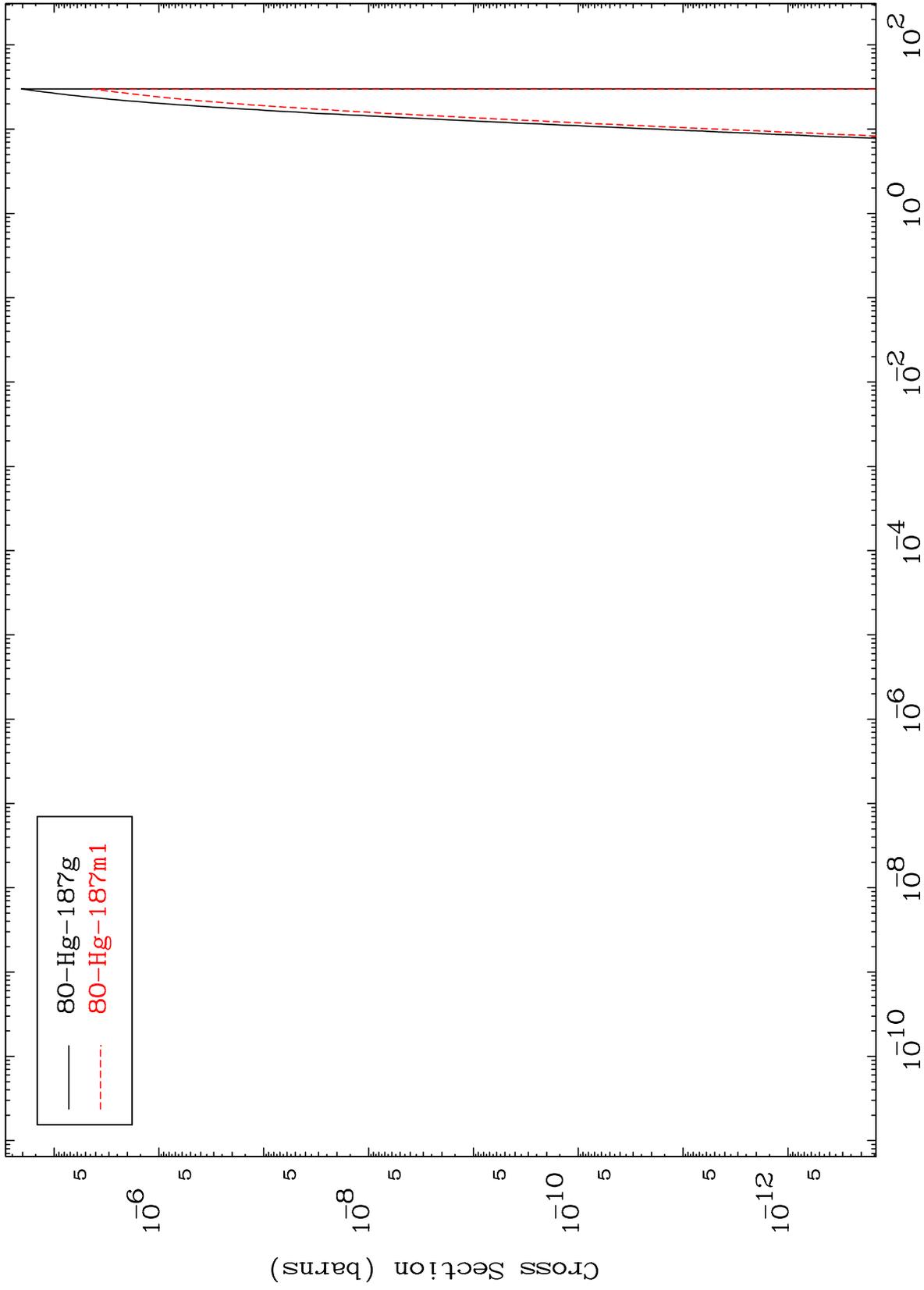
83-Bi-192

MAT 8274

(n,d) α

83-Bi-192

Radionuclide Production Cross Section



69

Incident Energy (MeV)

83-Bi-192