

Program EVALPLOT
(Version 2021-1)

by

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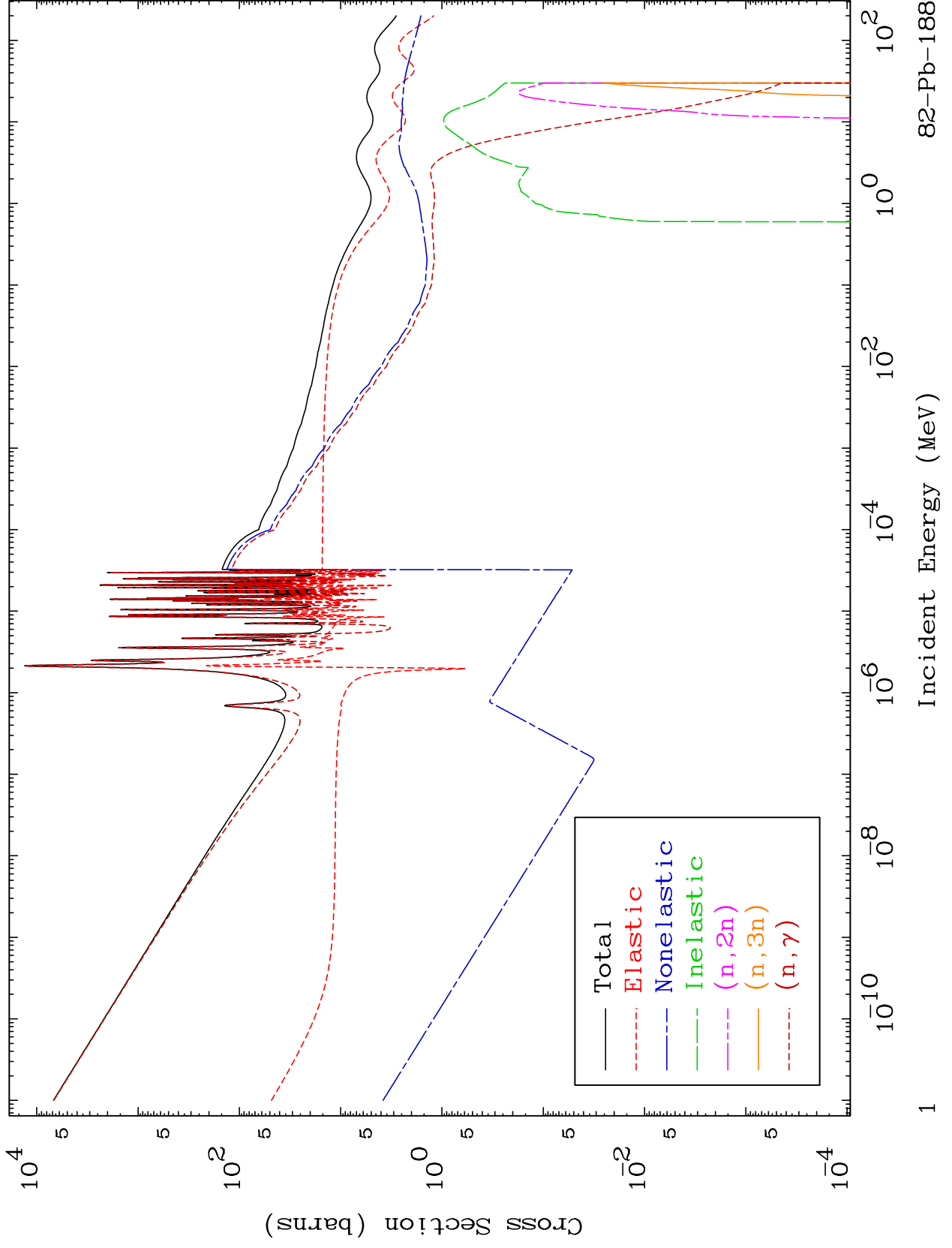
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Press Mouse Button to Start

MAT 8177

Neutron Major
293 Kelvin Cross Sections

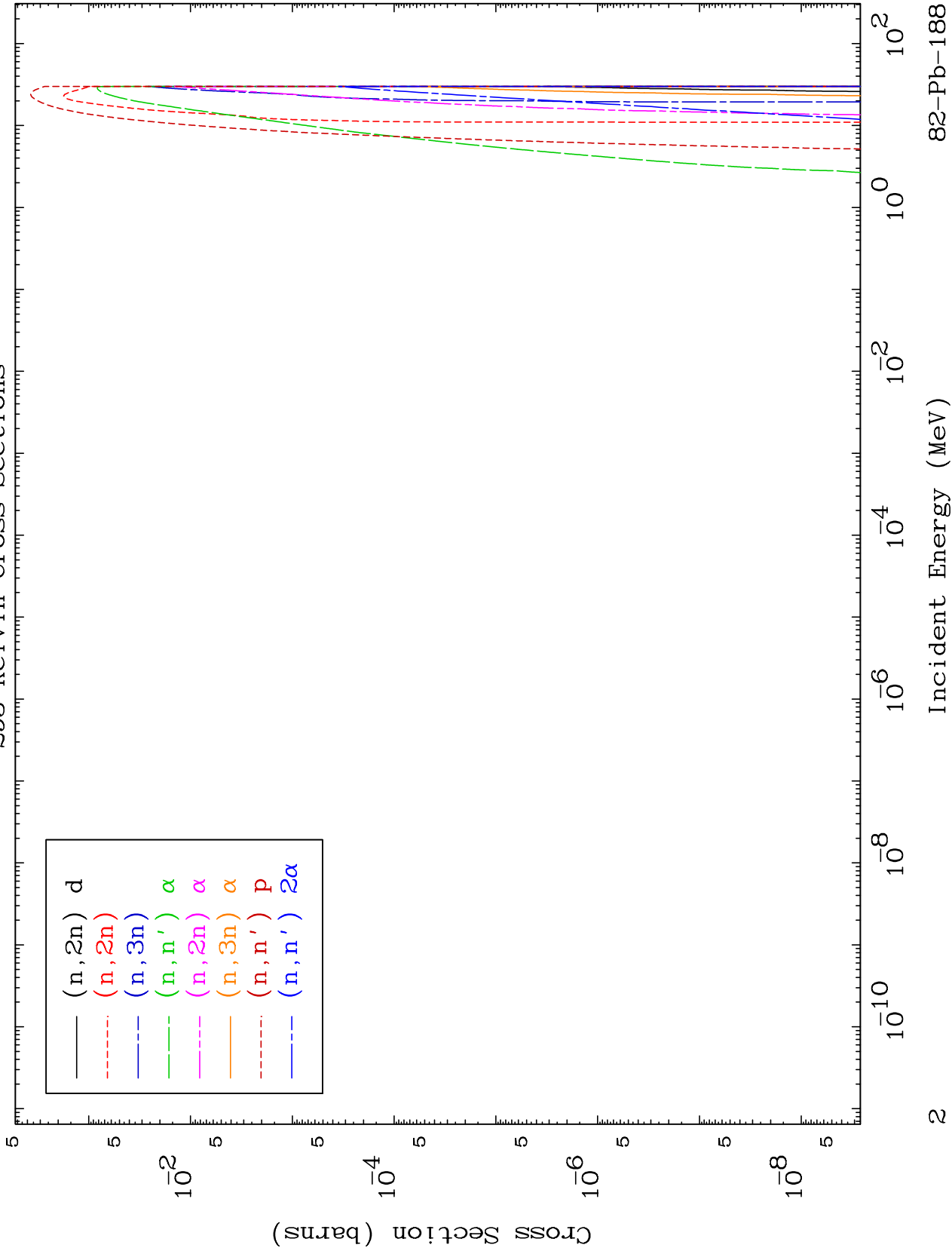
82-Pb-188



MAT 8177

Neutron Absorption
293 Kelvin Cross Sections

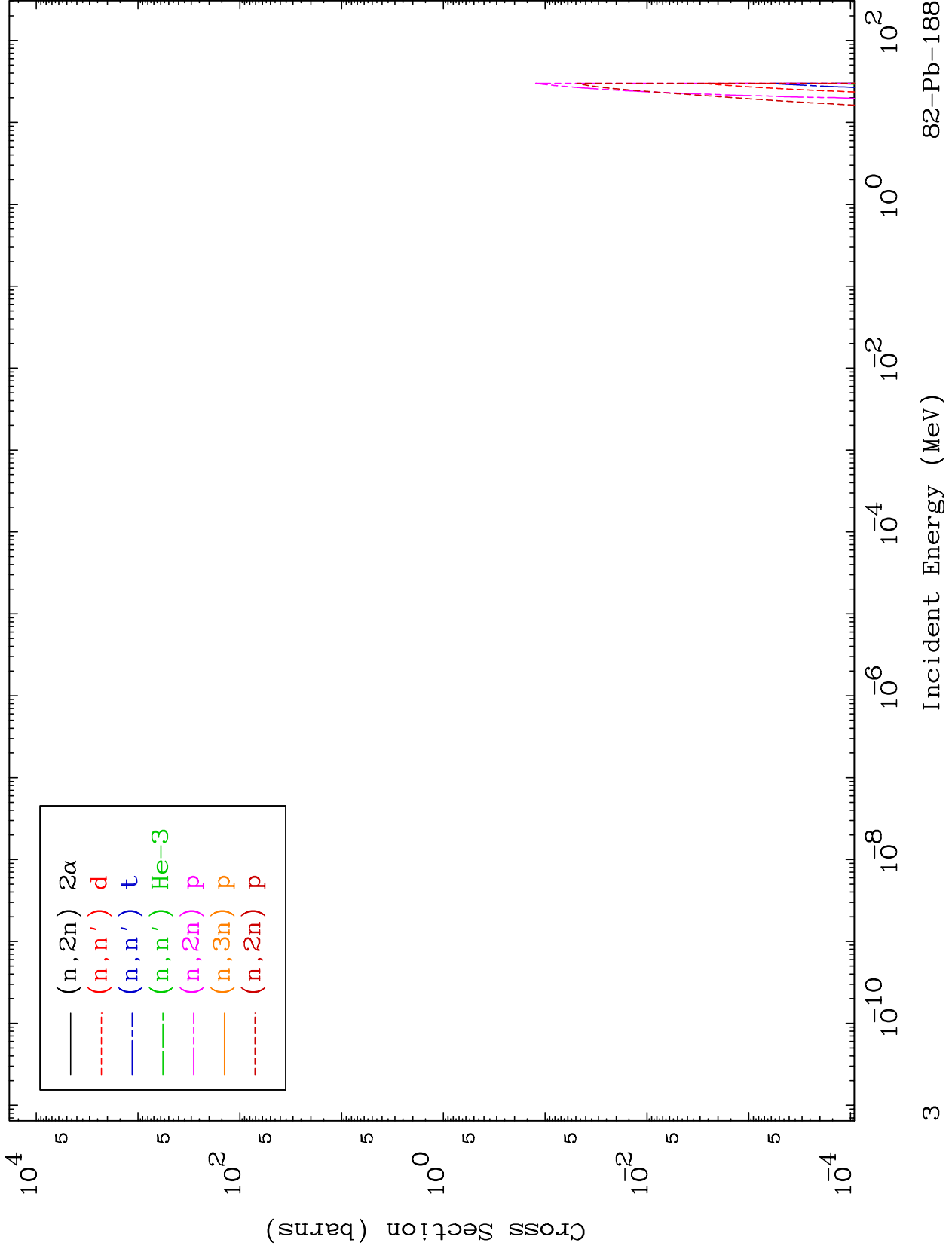
82-Pb-188



MAT 8177

Neutron Absorption
293 Kelvin Cross Sections

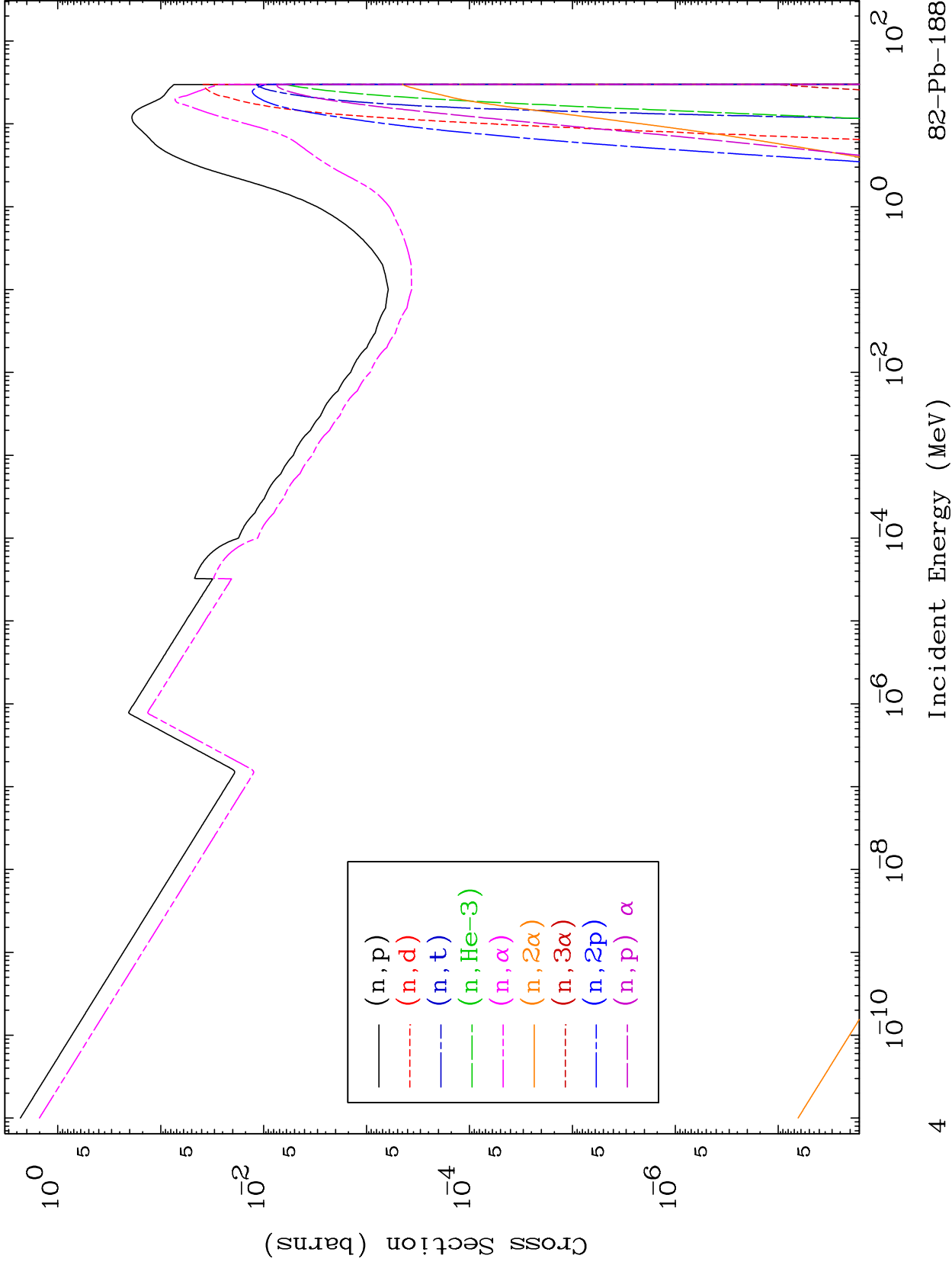
82-Pb-188



MAT 8177

Neutron Absorption
293 Kelvin Cross Sections

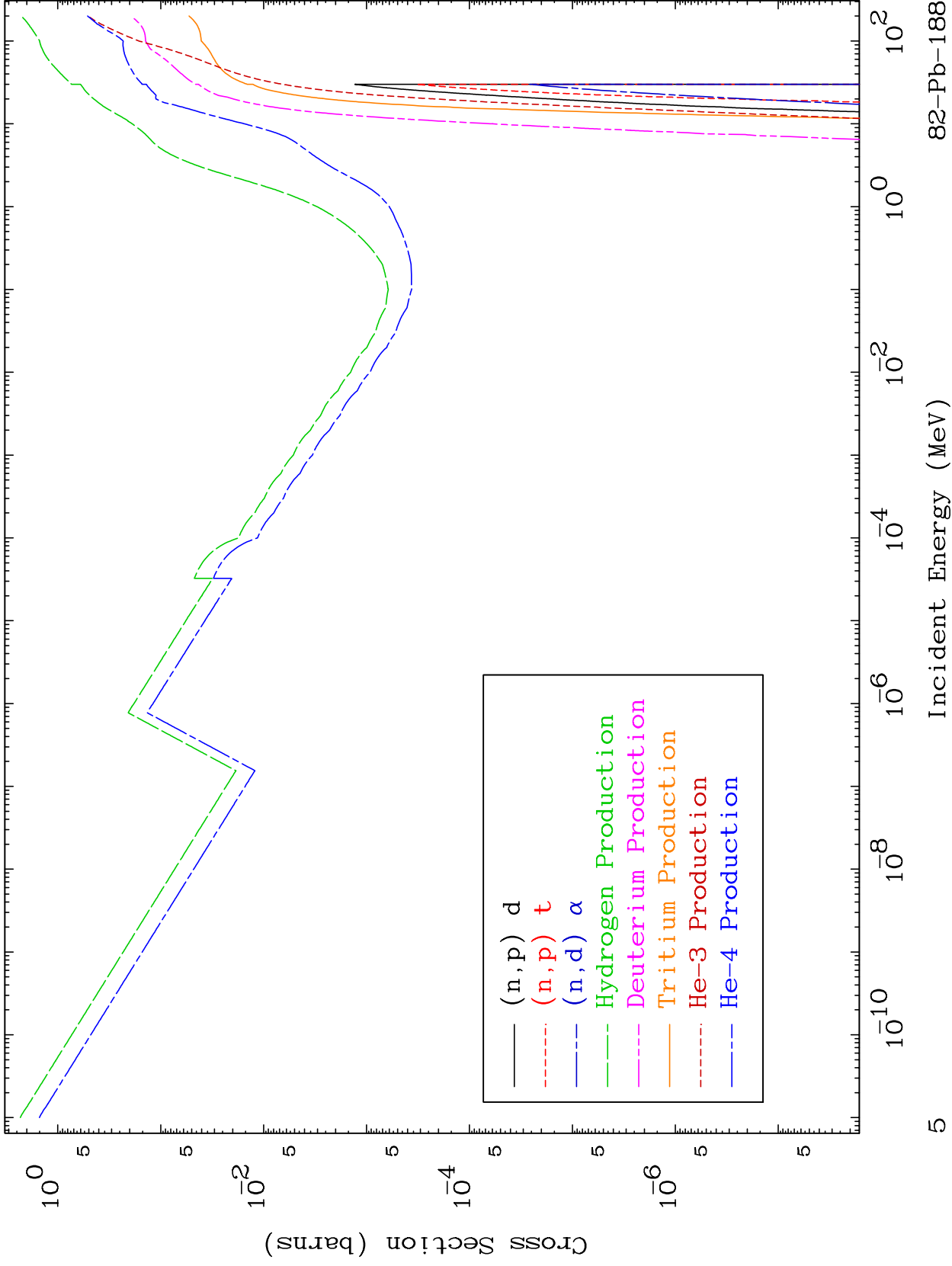
82-Pb-188



MAT 8177

Neutron Absorption
293 Kelvin Cross Sections

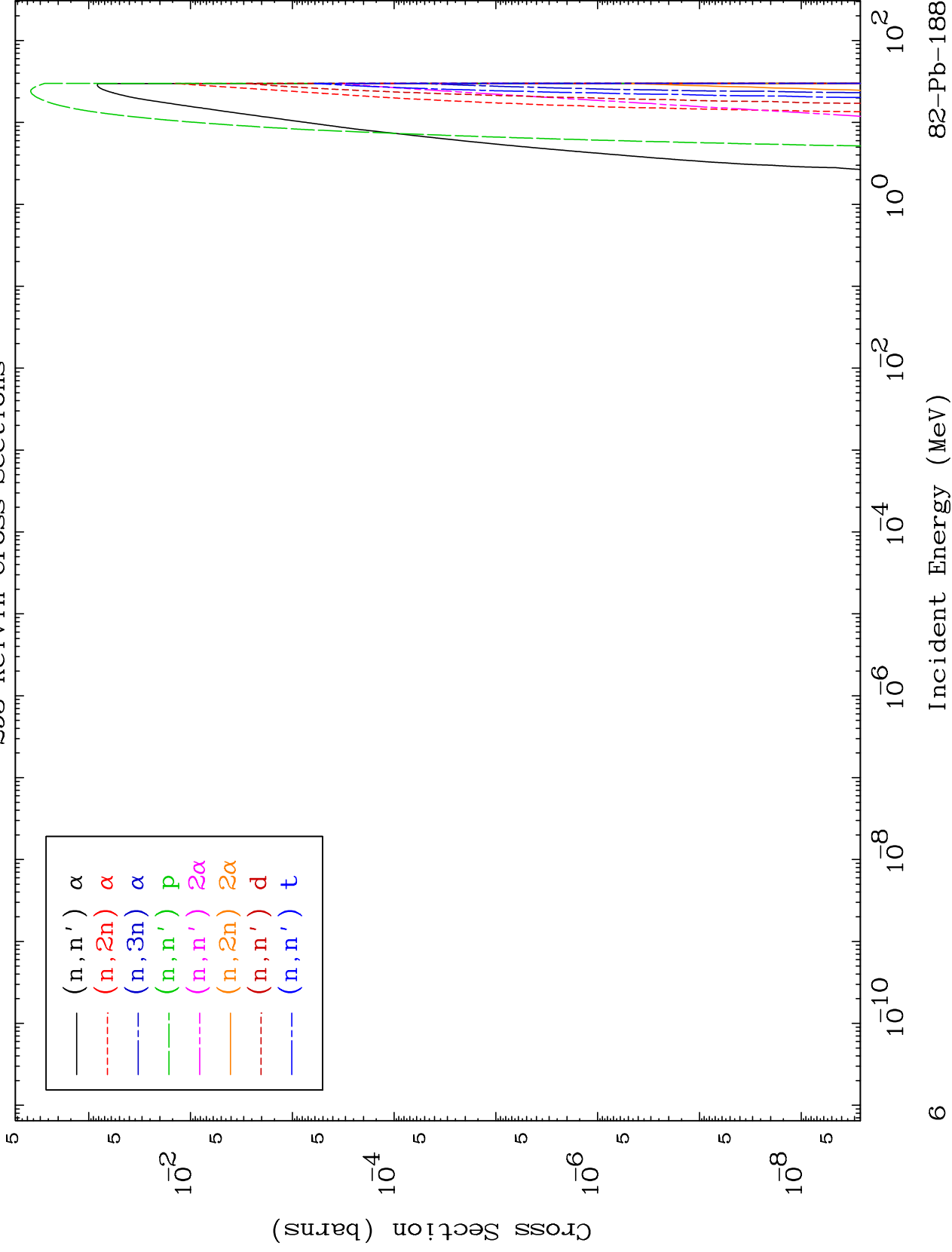
82-Pb-188



MAT 8177

Charged Particle
293 Kelvin Cross Sections

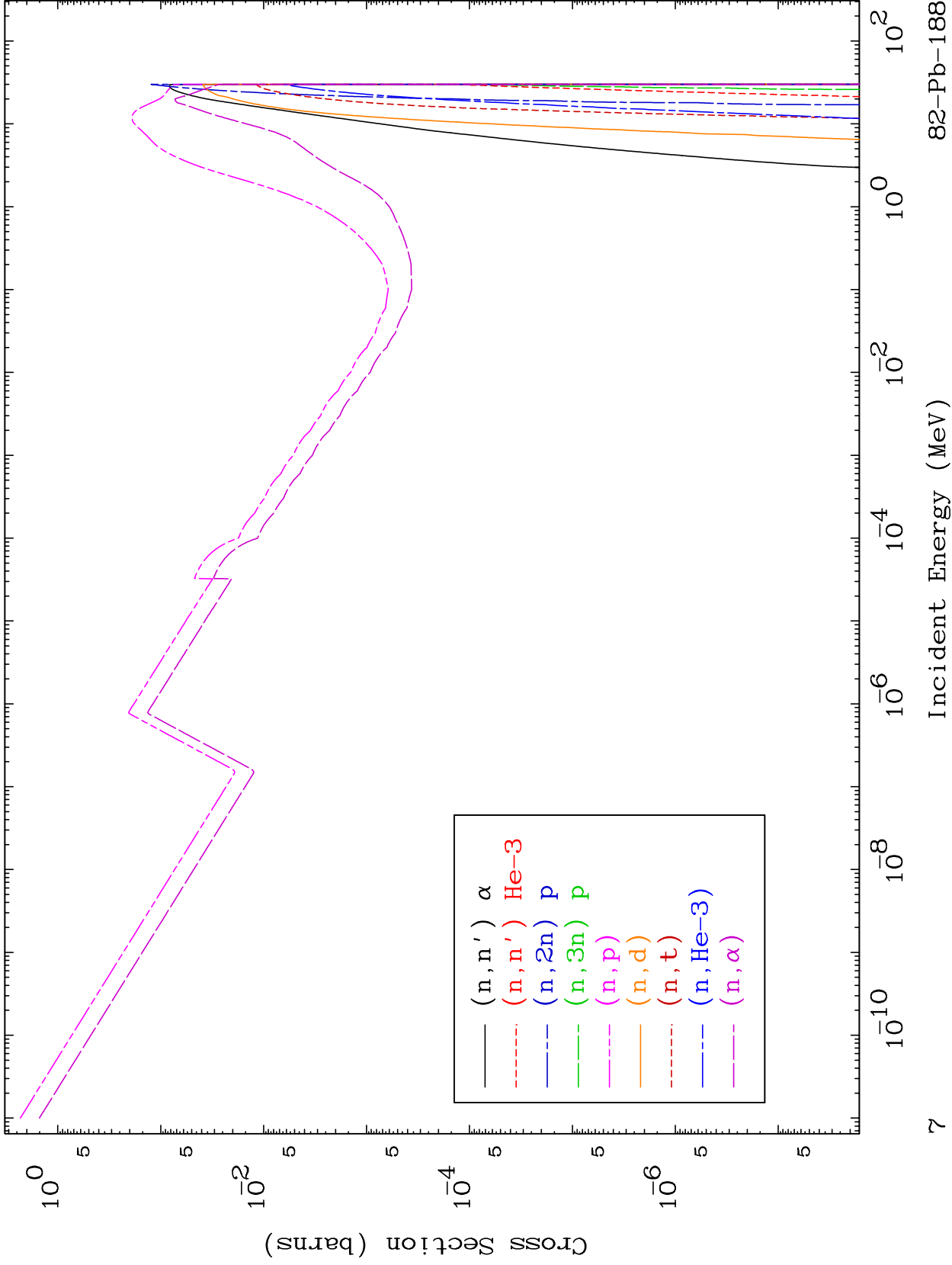
82-Pb-188

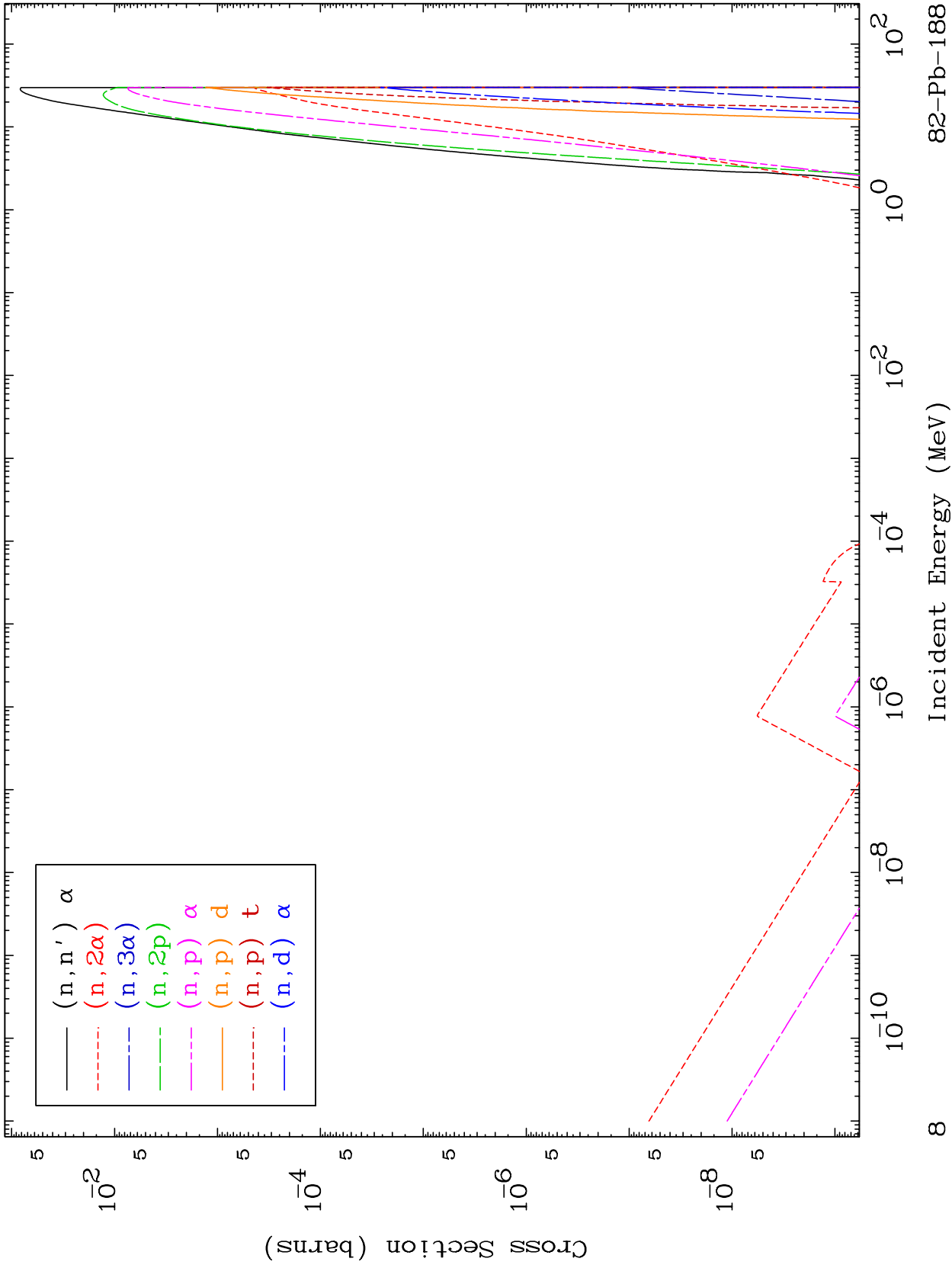


MAT 81777

Charged Particle
293 Kelvin Cross Sections

82-Pb-188

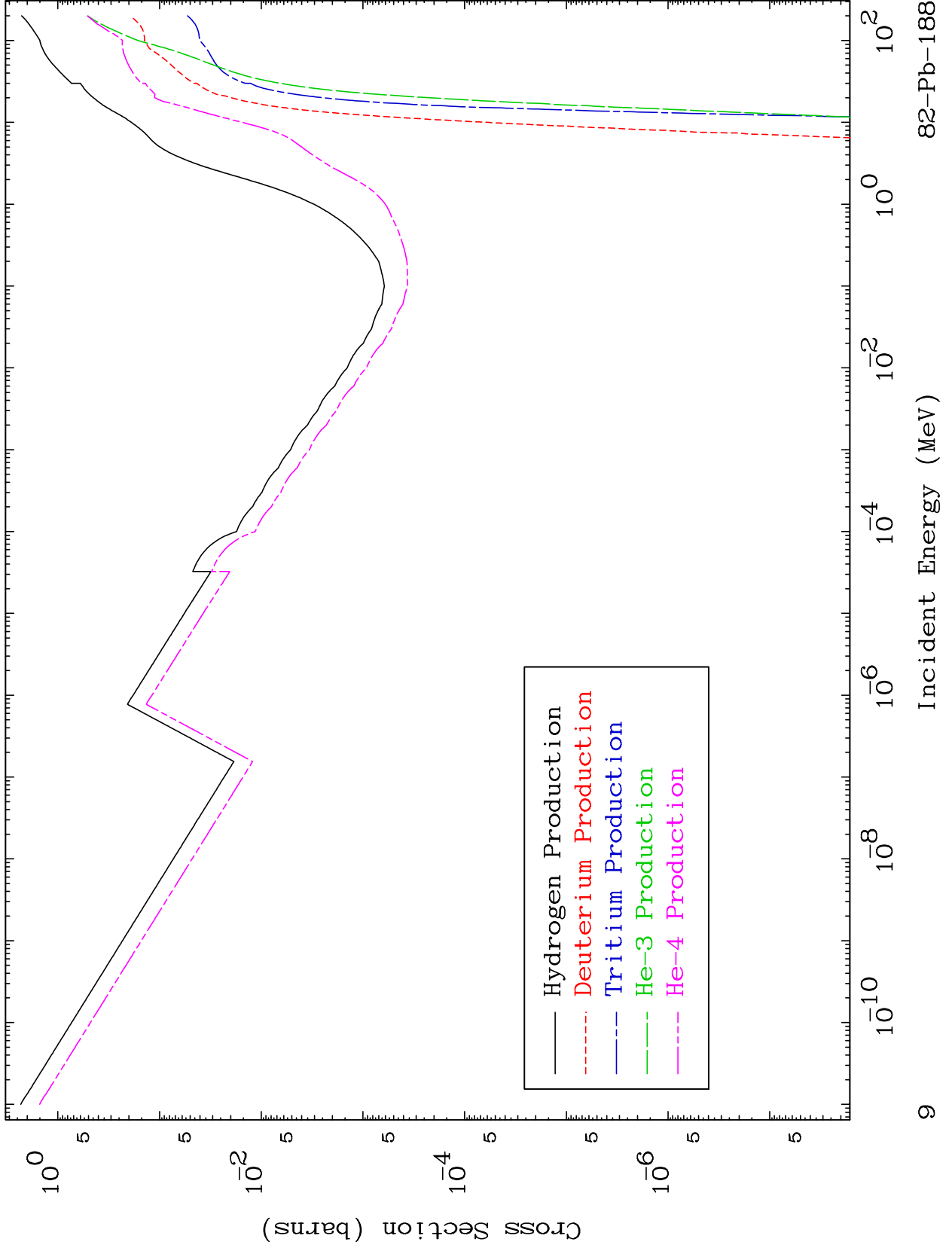




MAT 8177

Particle Production
293 Kelvin Cross Sections

82-Pb-188



MAT 8177

(n,n') Levels

82-Pb-188

293 Kelvin Cross Sections

10^4

10^2

10^0

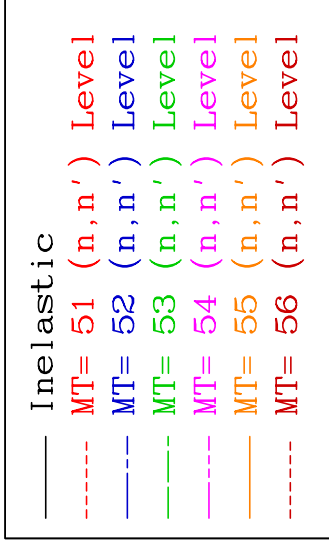
10^{-2}

10^{-4}

10^{-6}

10^{-8}

Cross Section (barns)



10

Incident Energy (MeV)

82-Pb-188

10^2

6

4

2

10¹

6

4

2

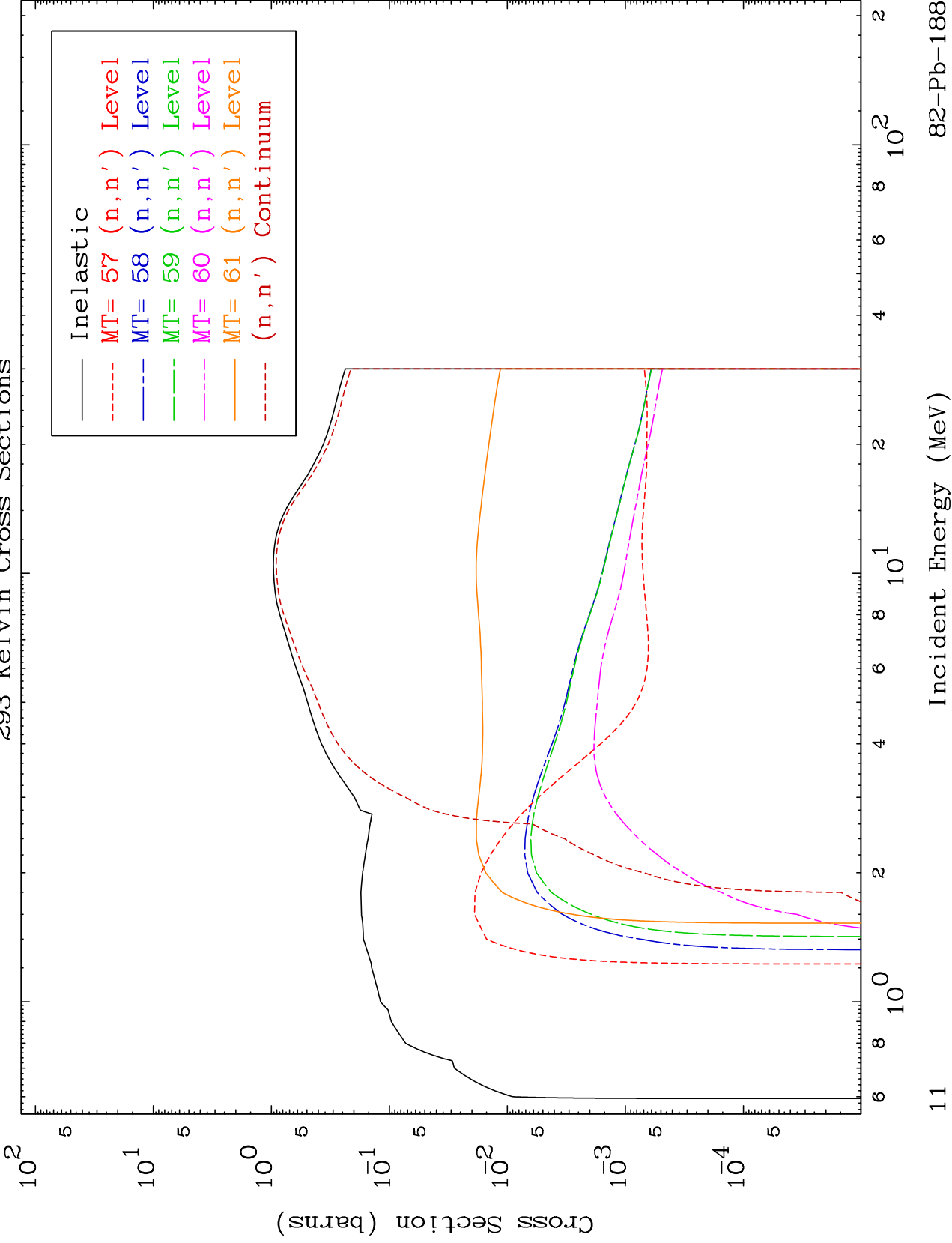
10⁰

6

4

2

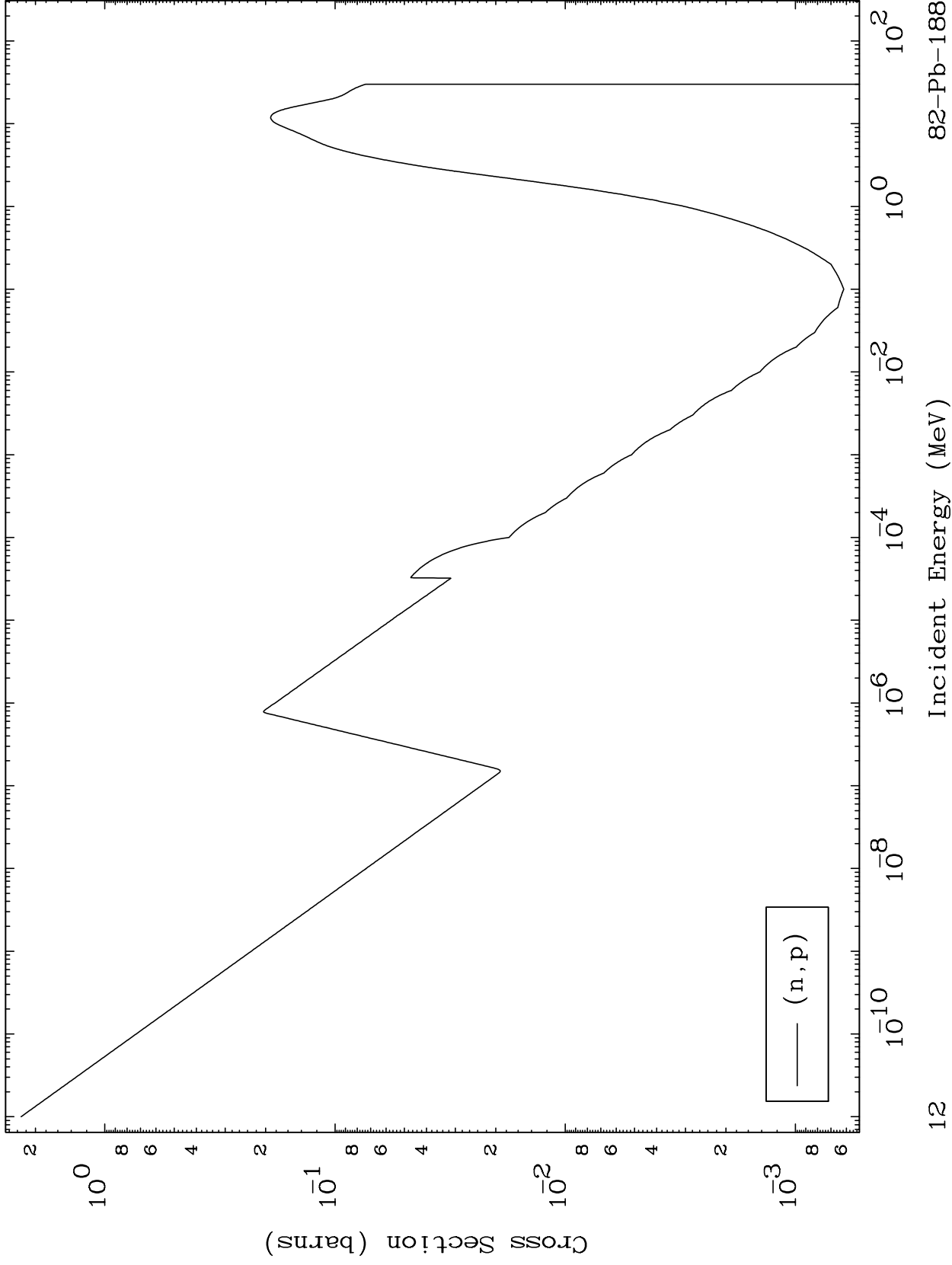
293 Kelvin Cross Sections



MAT 8177

(n,p) Levels
293 Kelvin Cross Sections

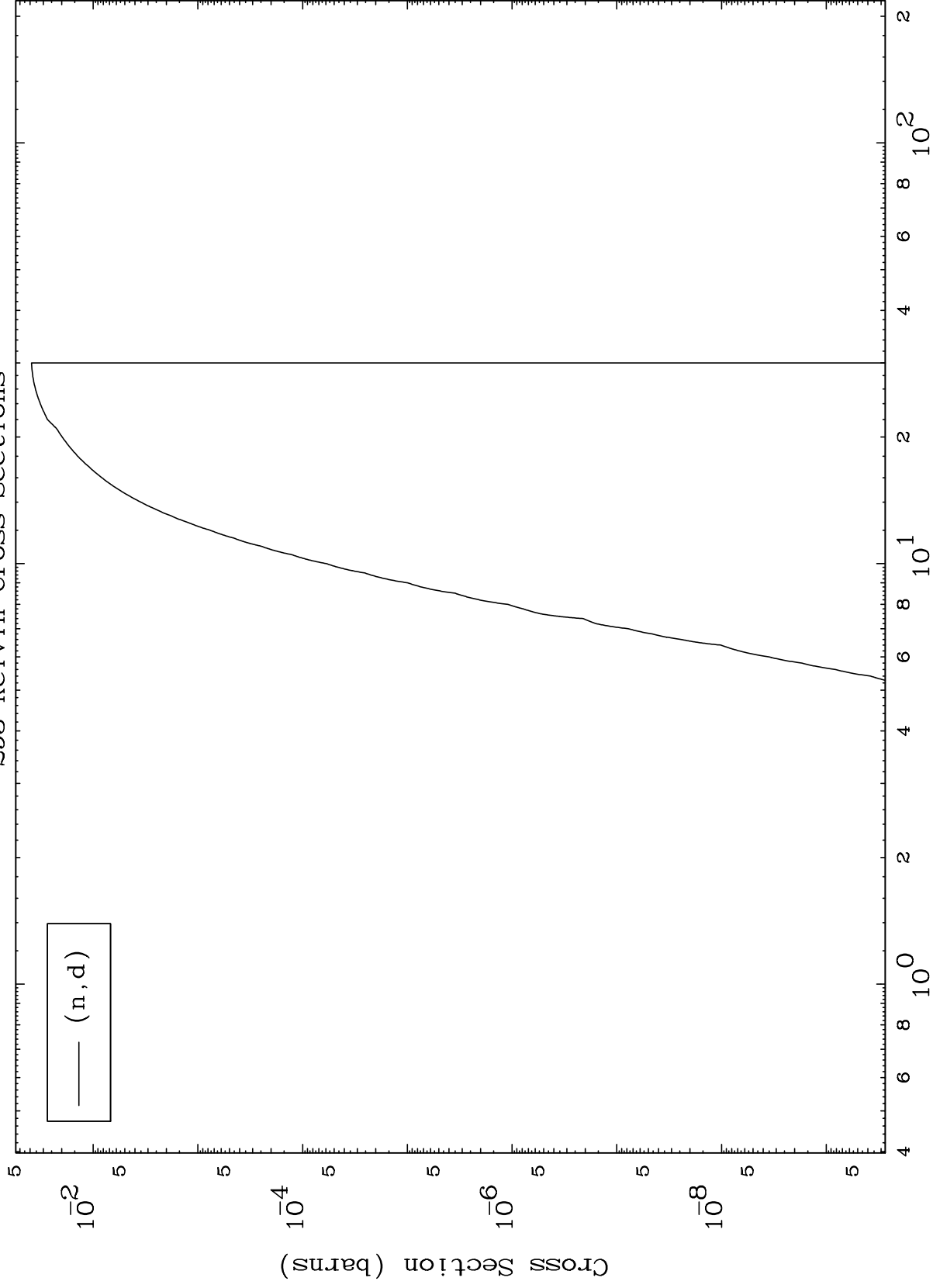
82-Pb-188



MAT 8177

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-188



13

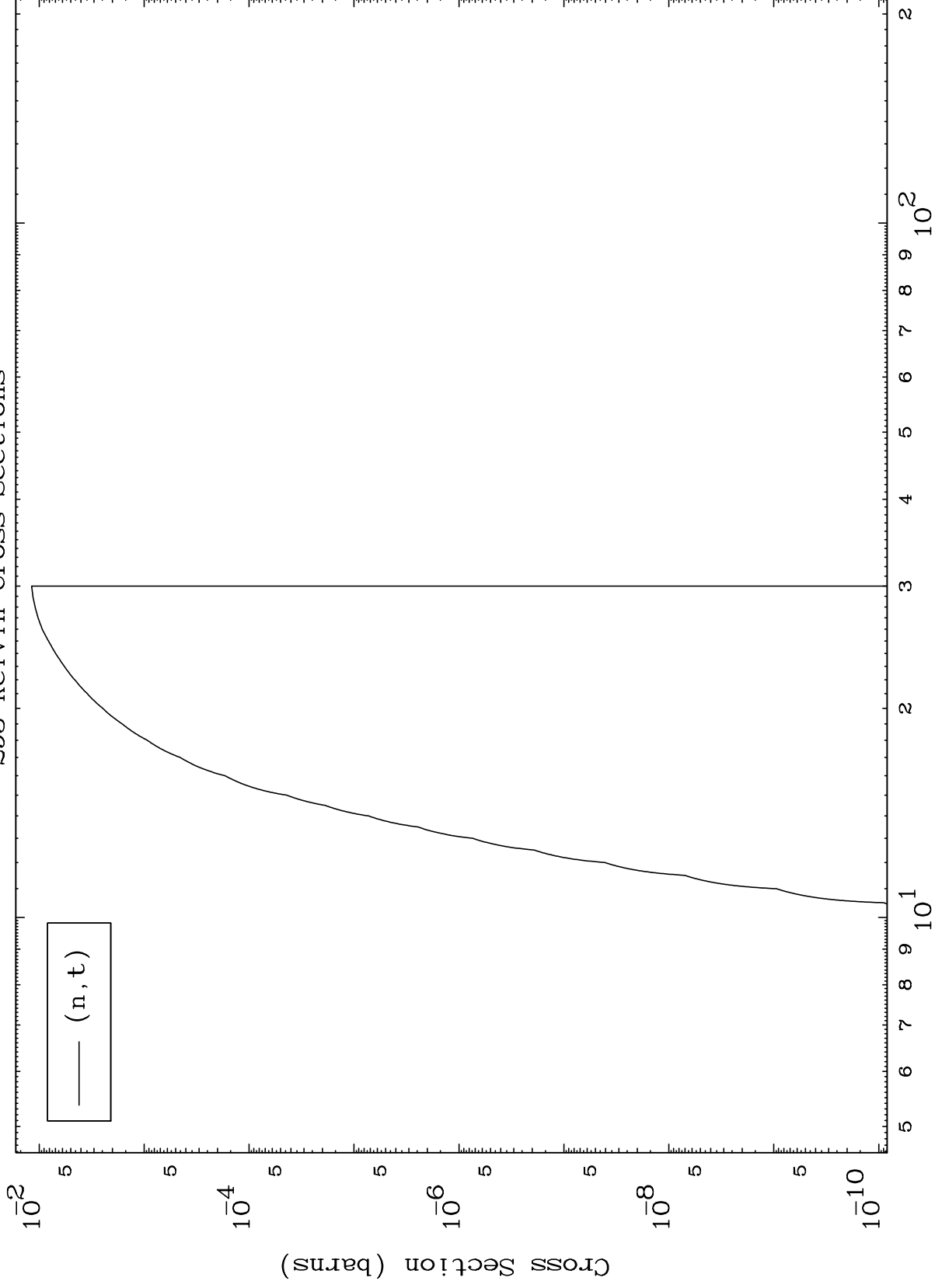
Incident Energy (MeV)

82-Pb-188

MAT 8177

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-188



14

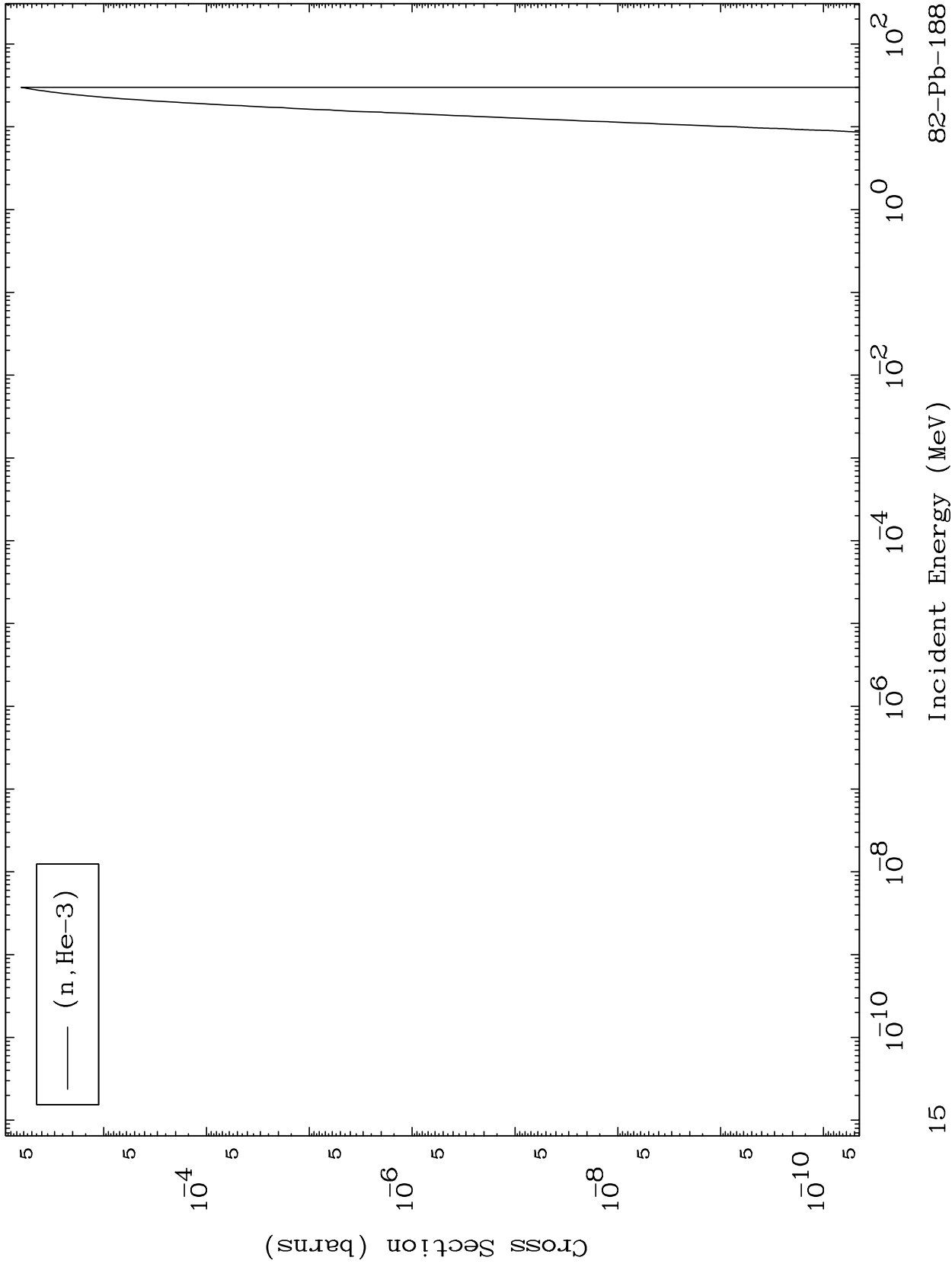
Incident Energy (MeV)

82-Pb-188

MAT 8177

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-188

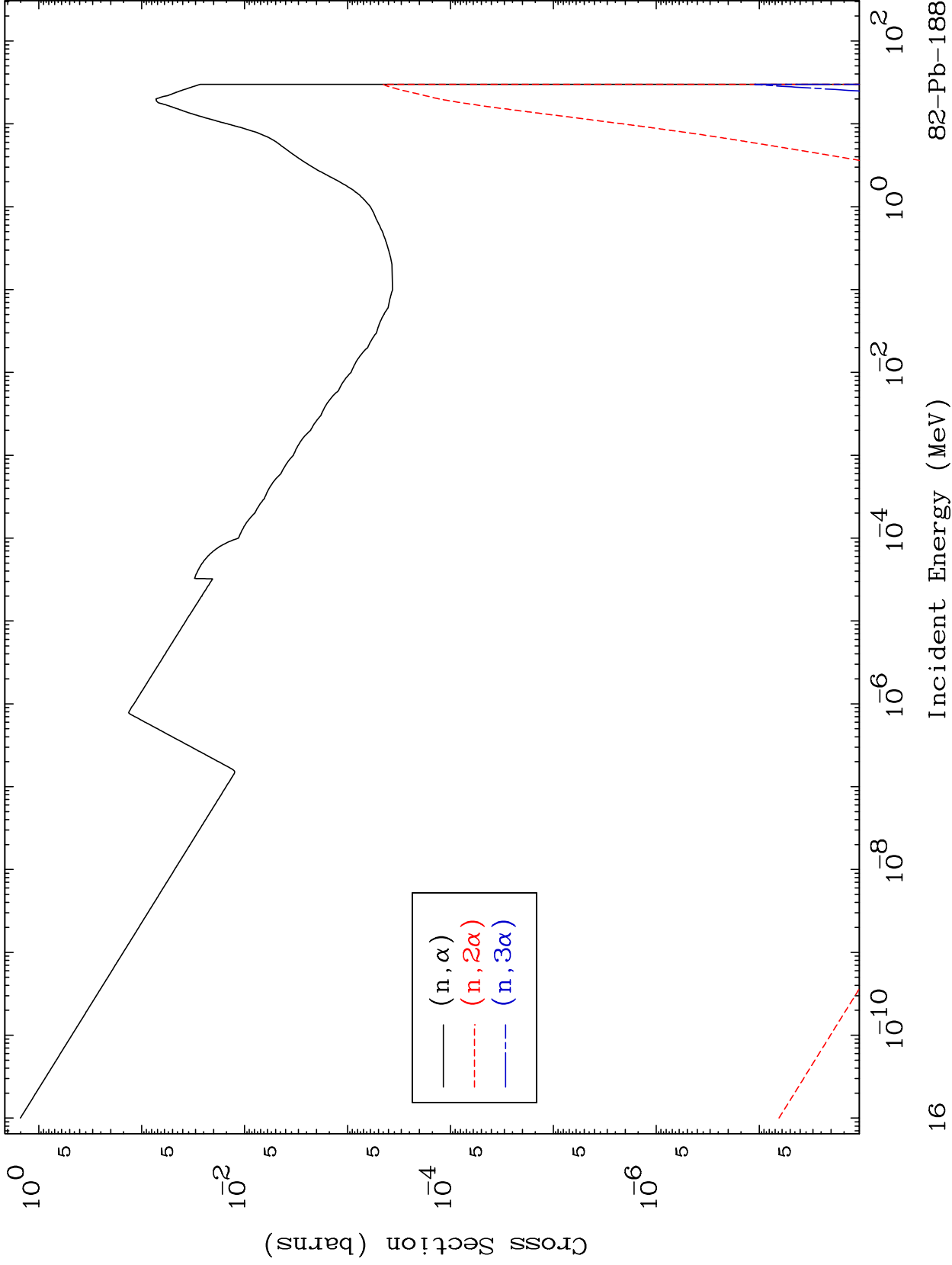


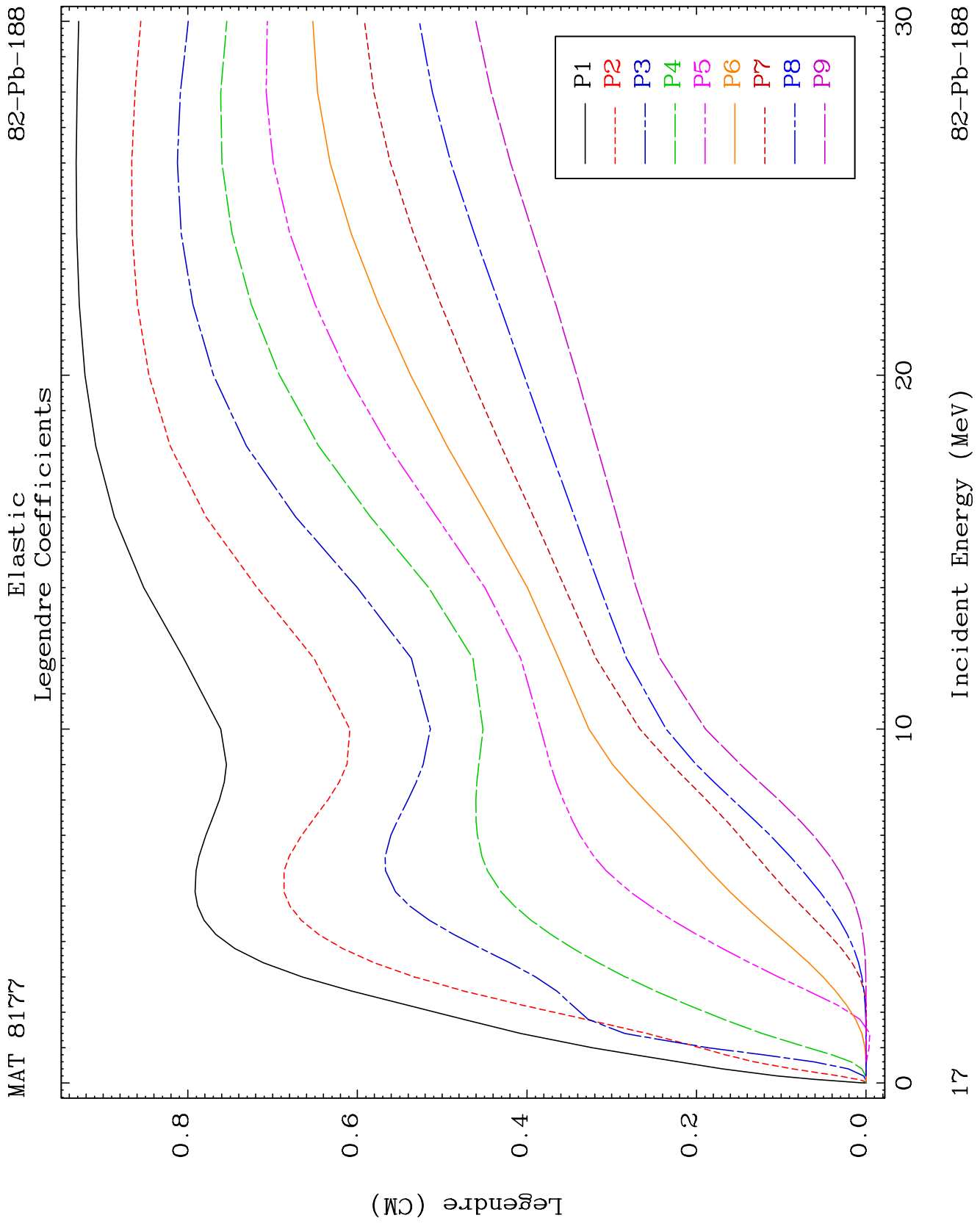
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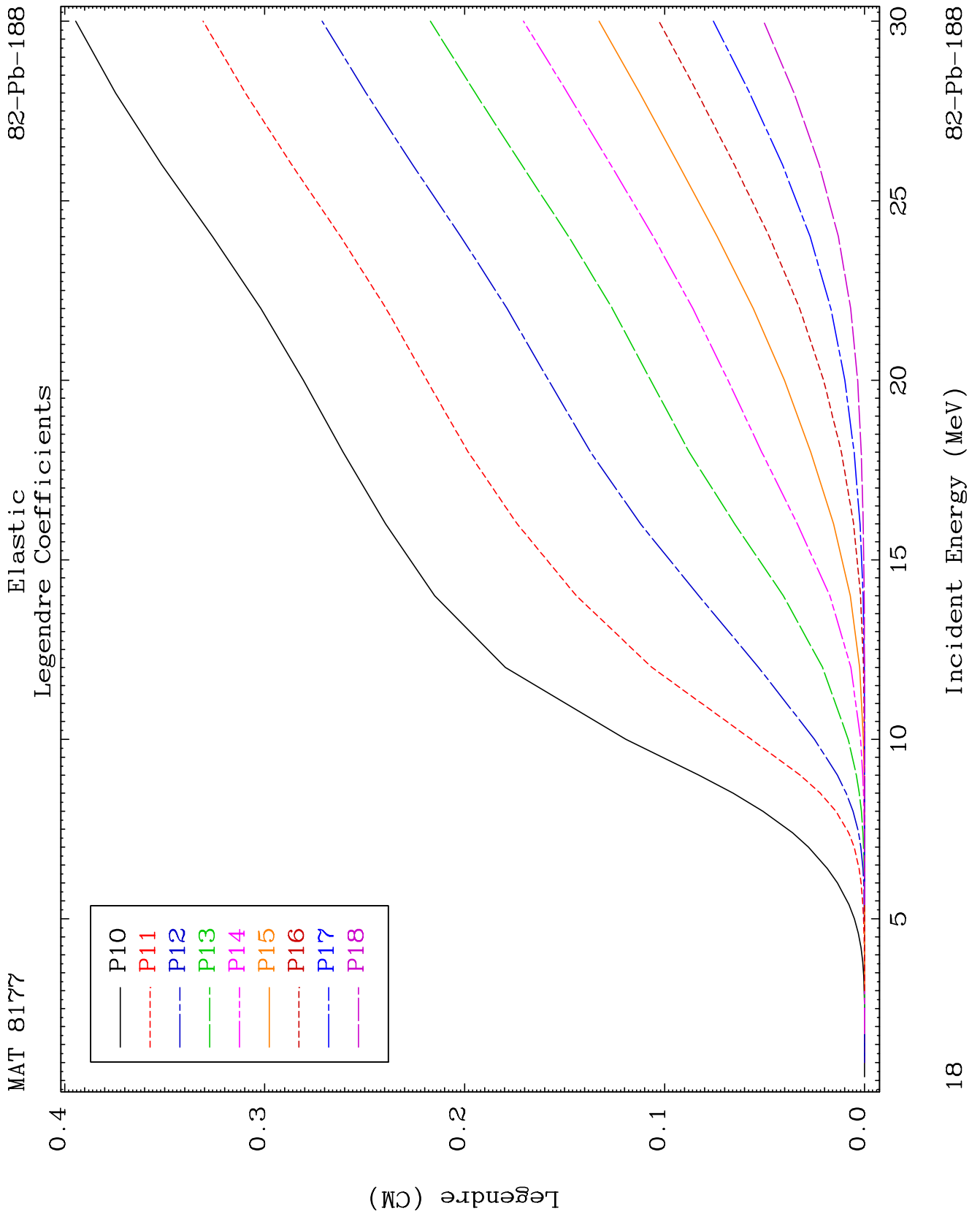
MAT 8177

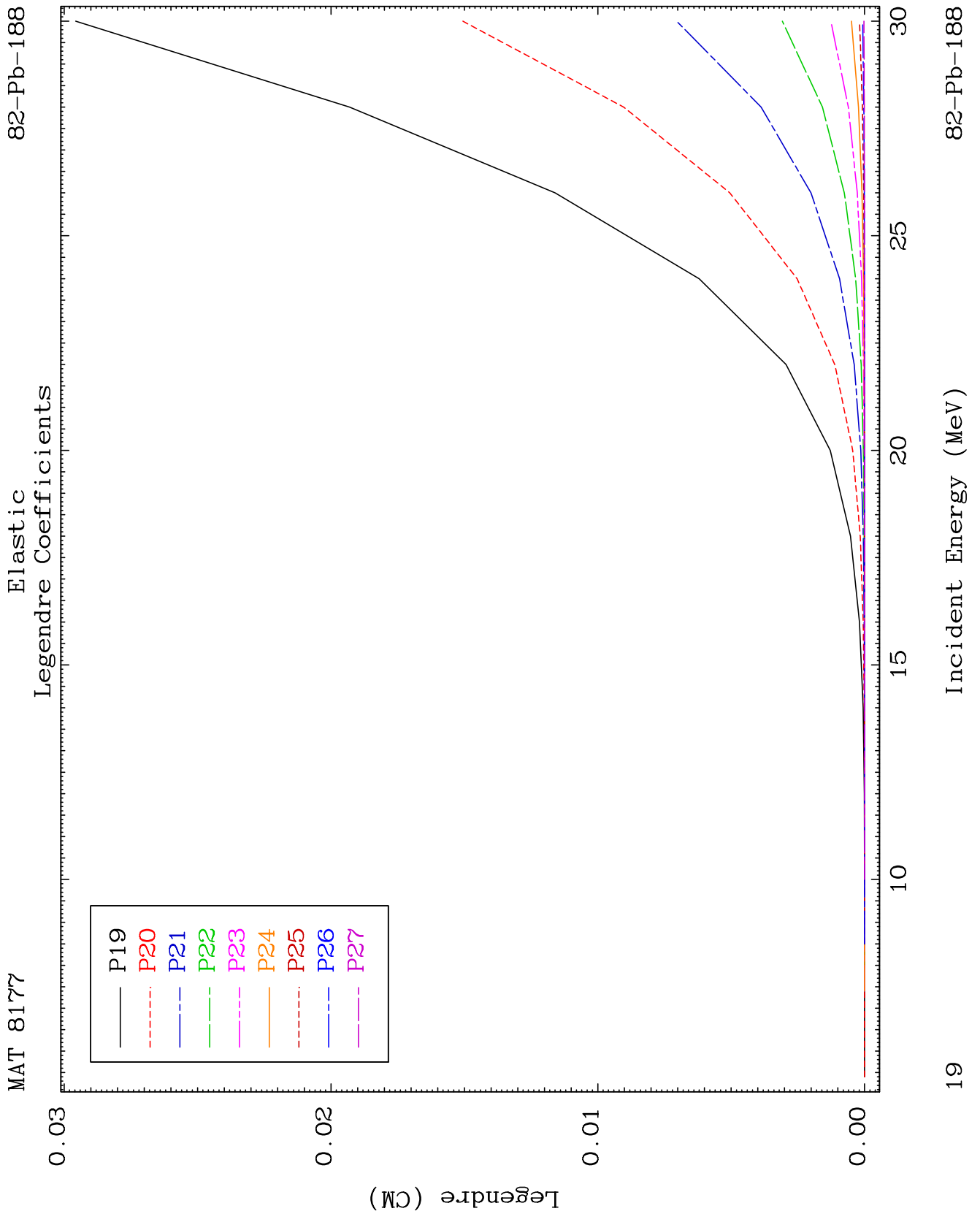
(n, α) Levels
293 Kelvin Cross Sections

82-Pb-188





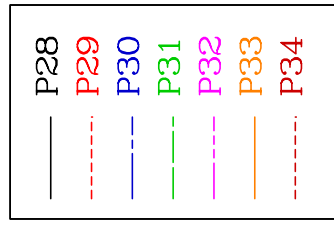




MAT 8177

Elastic Legendre Coefficients

82-Pb-188

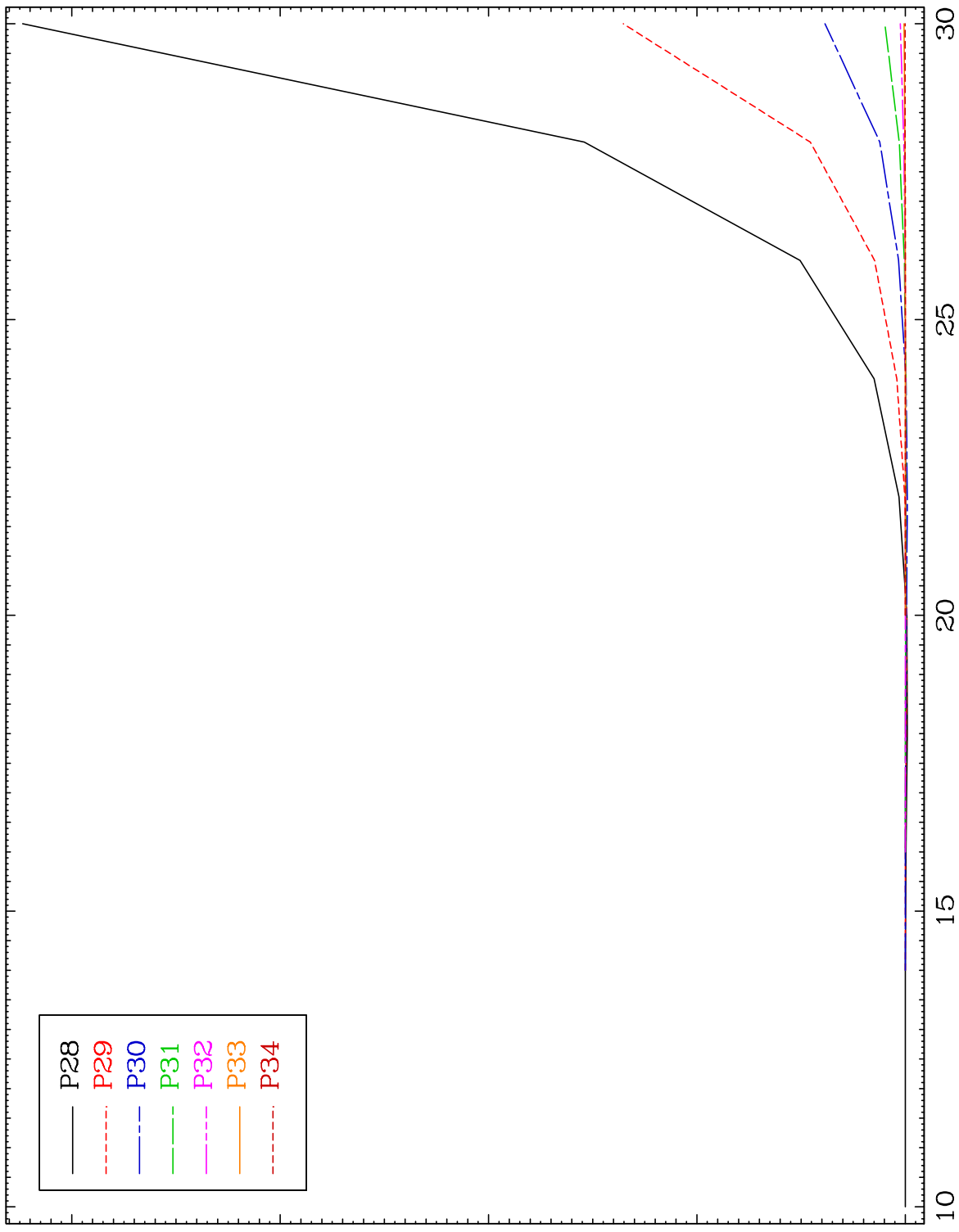


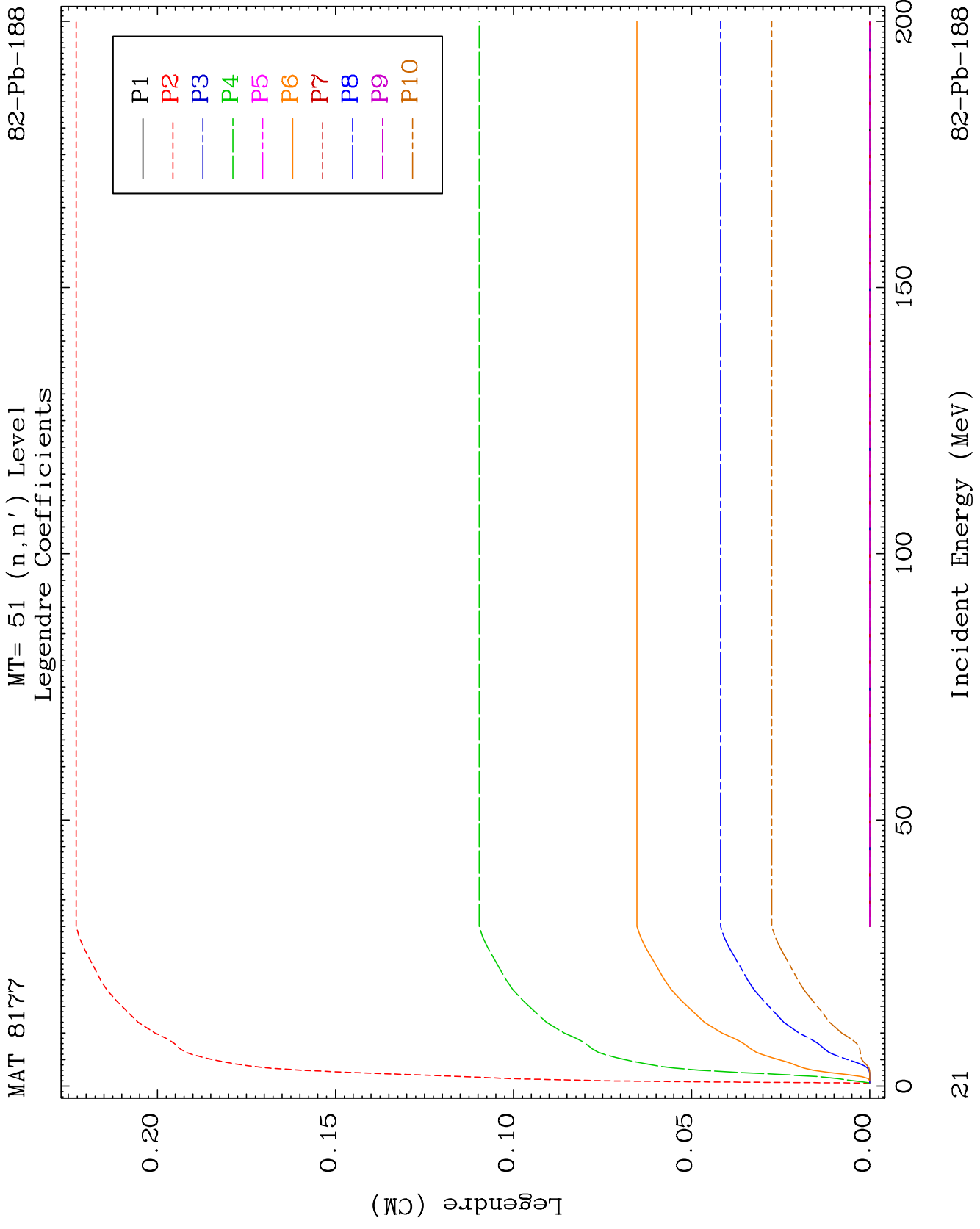
$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

82-Pb-188

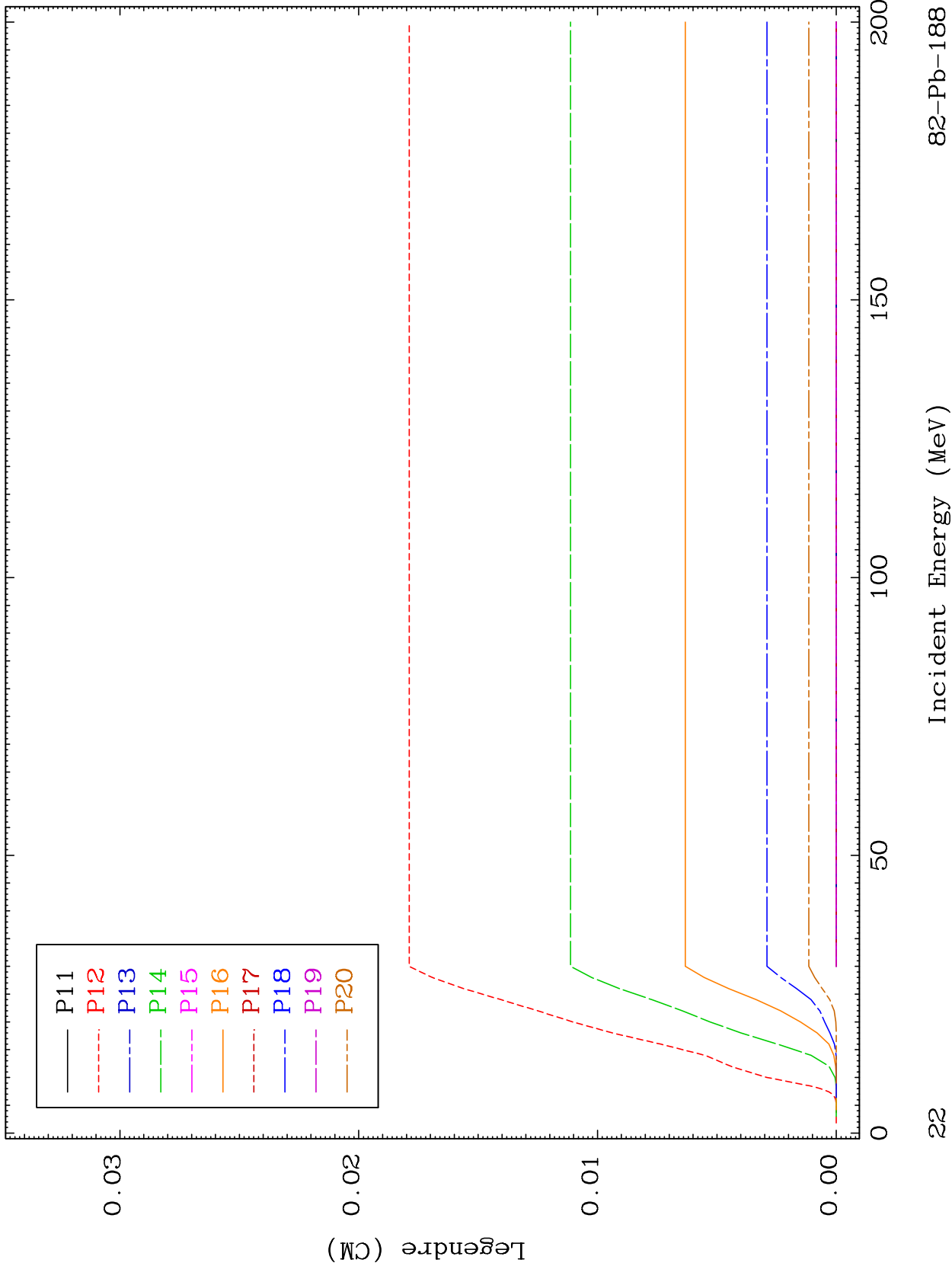




MAT 8177

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

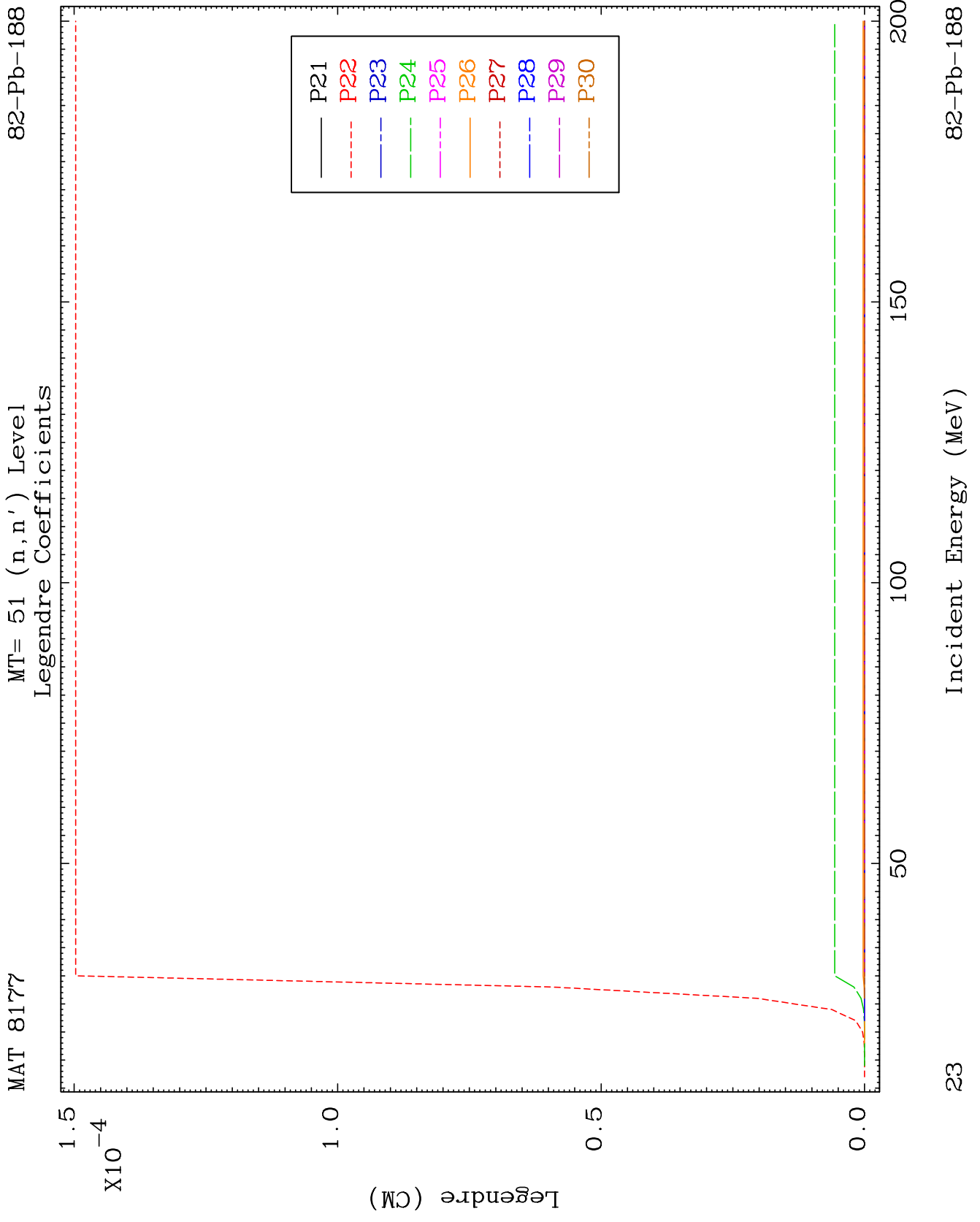
82-Pb-188



22

Incident Energy (MeV)

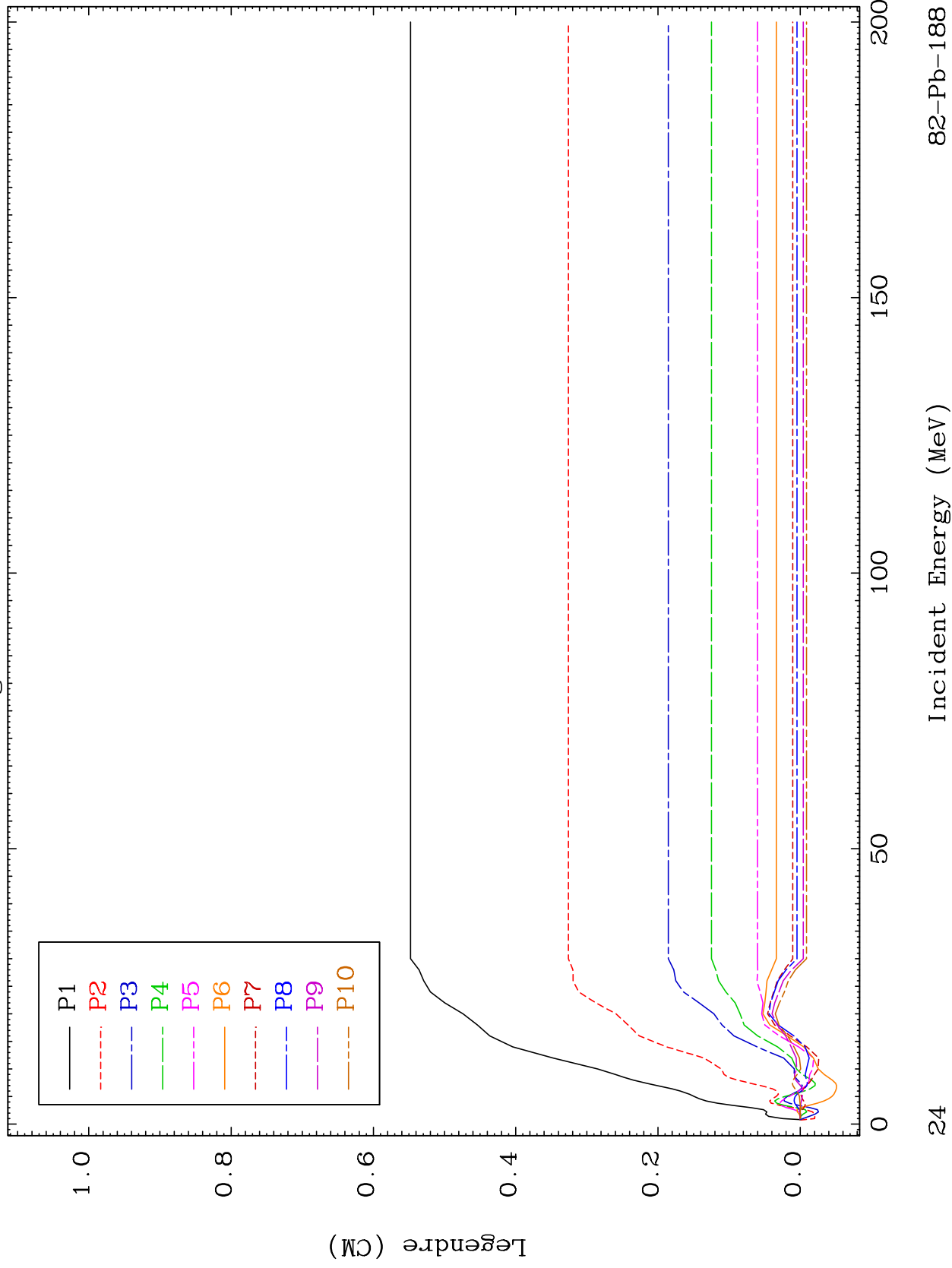
82-Pb-188



MAT 8177

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

82-Pb-188



24

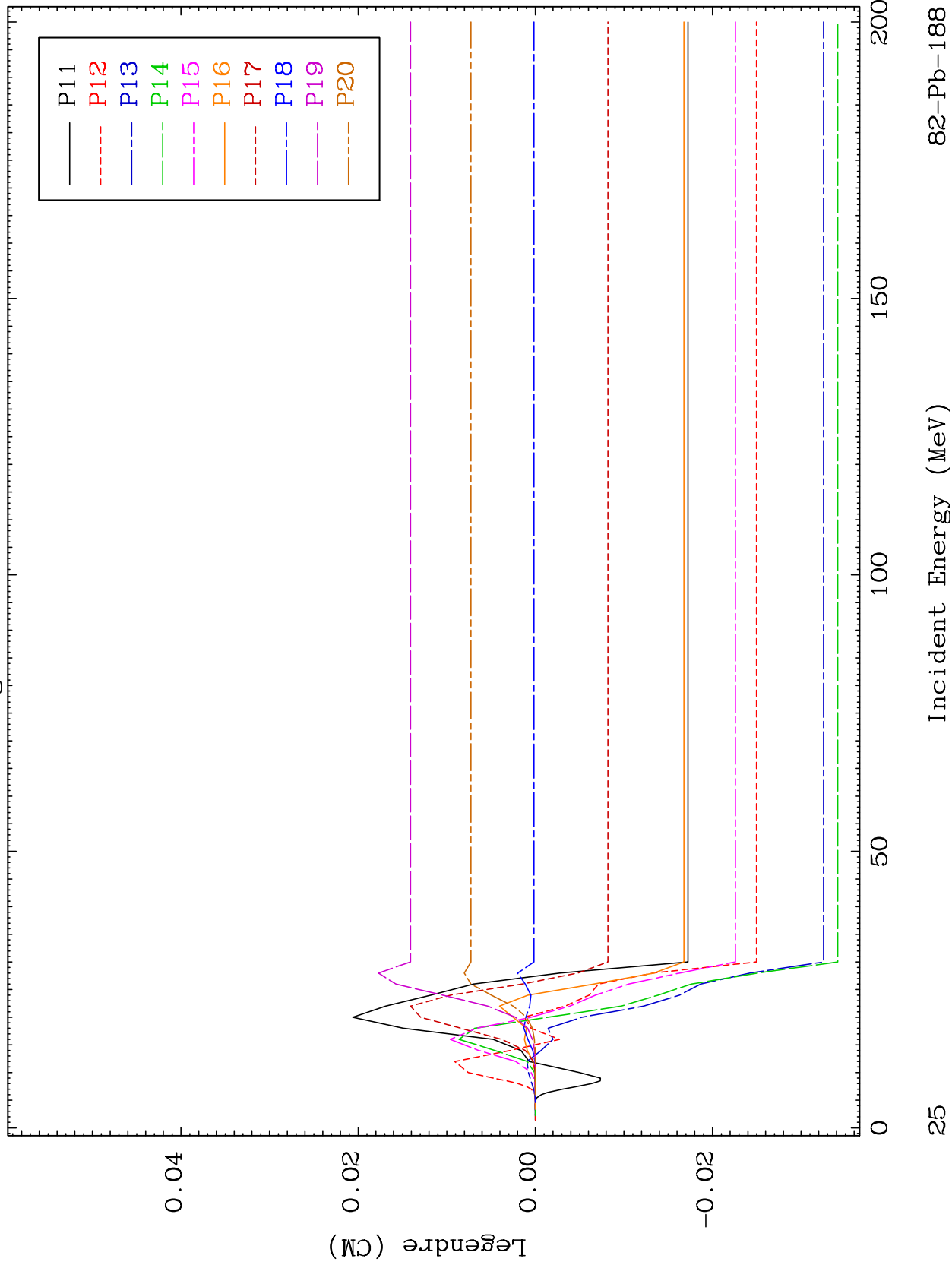
Incident Energy (MeV)

82-Pb-188

MAT 8177

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

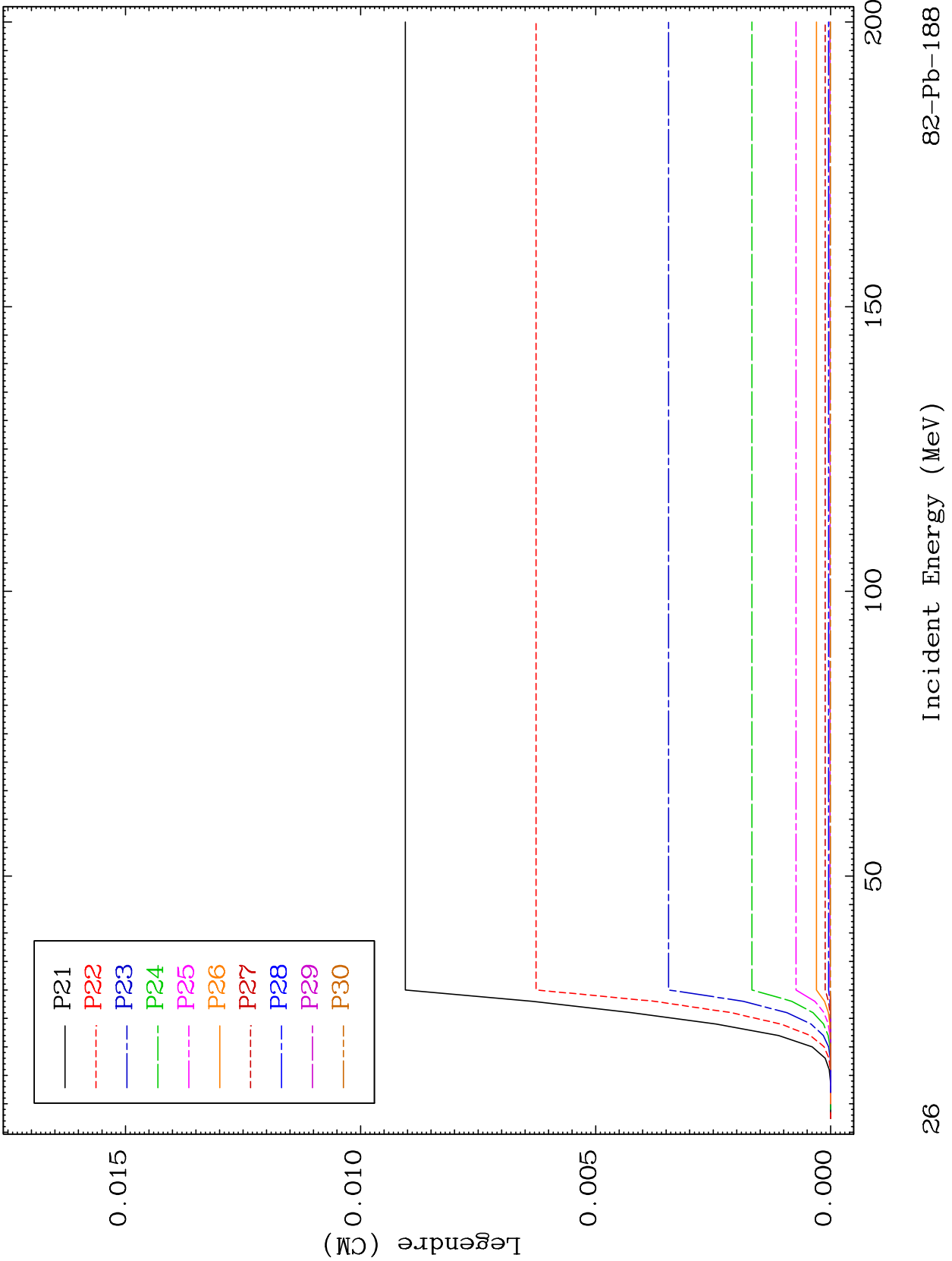
82-Pb-188



82-Pb-188

Incident Energy (MeV)

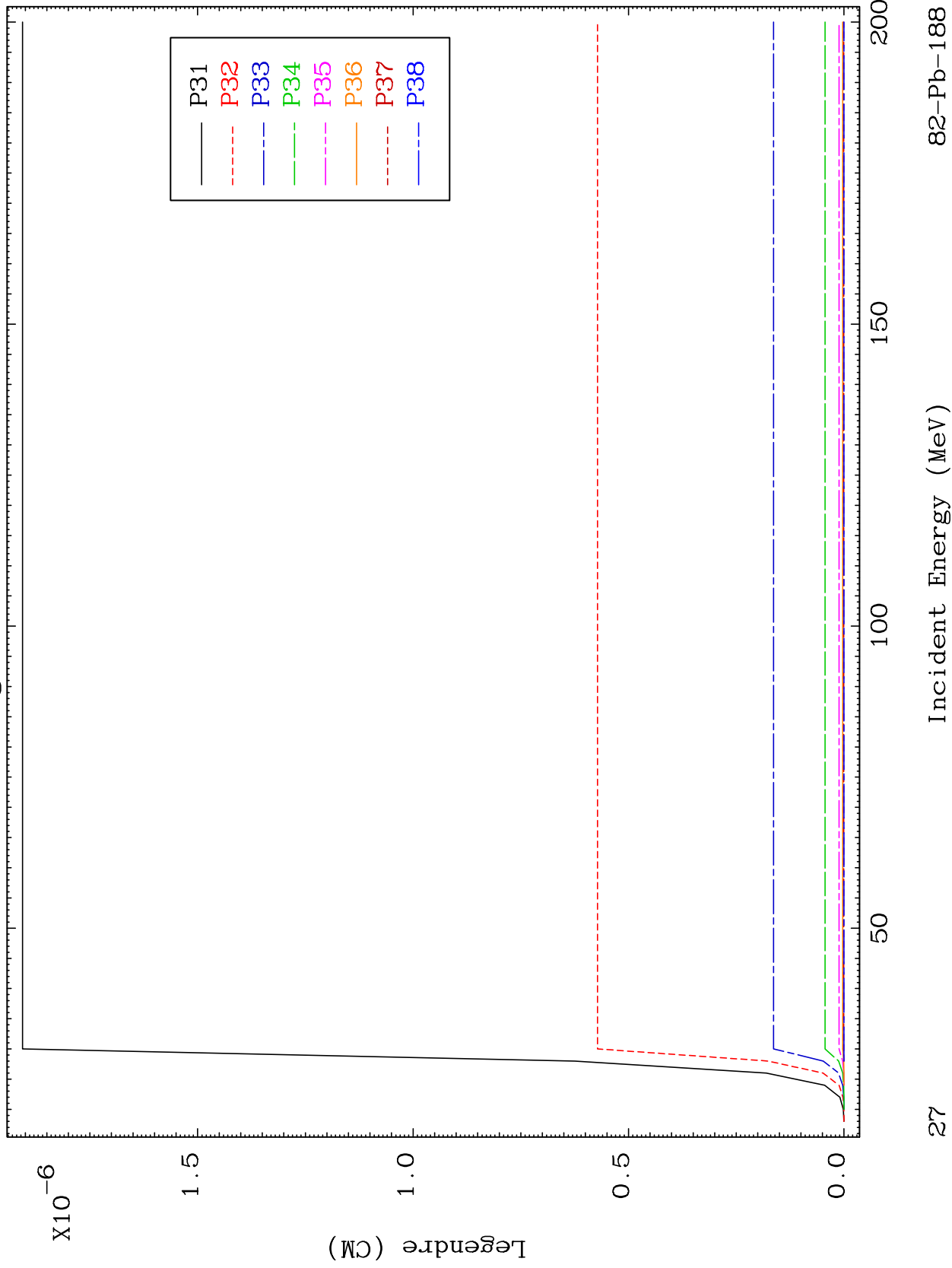
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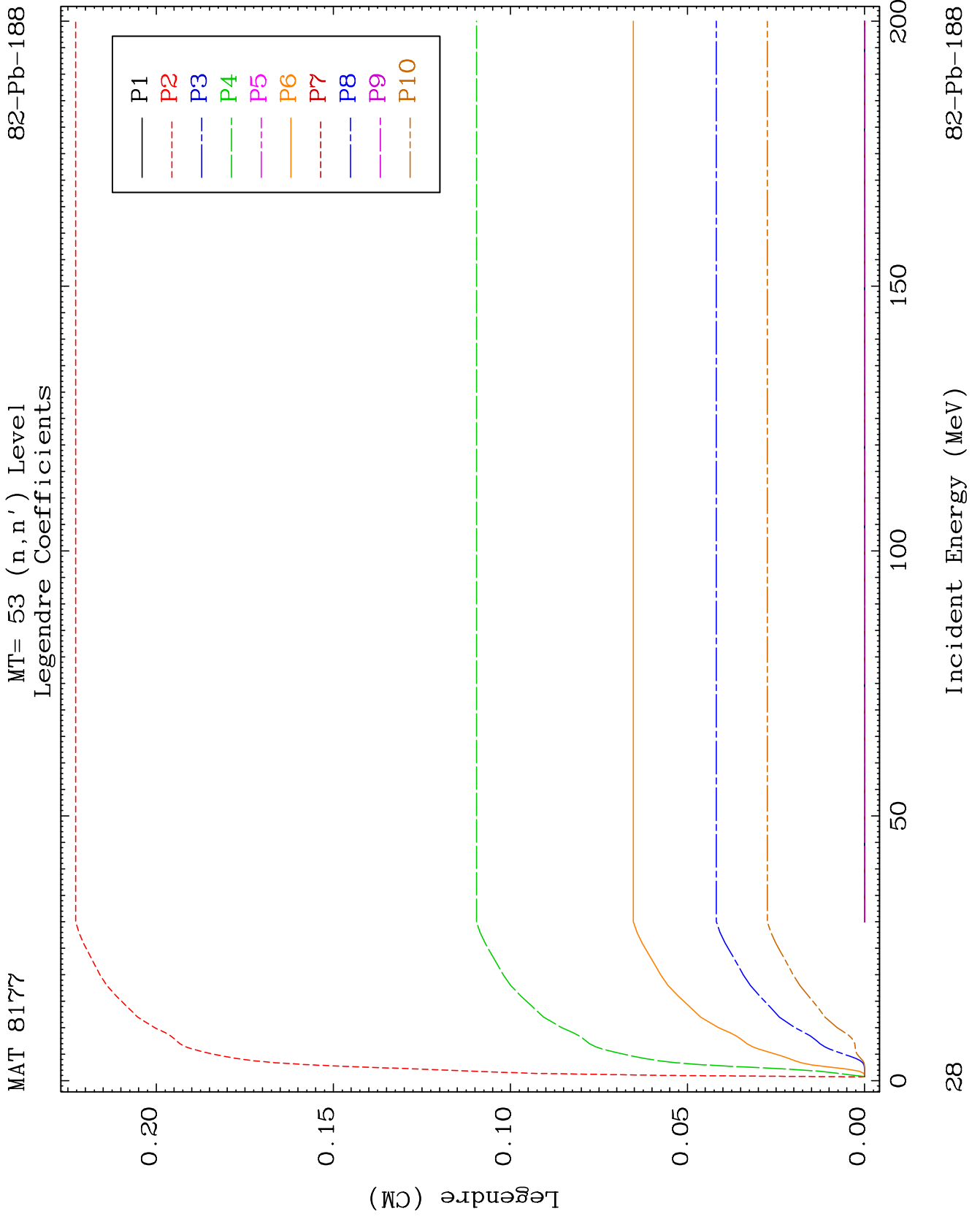


MAT 8177

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

82-Pb-188

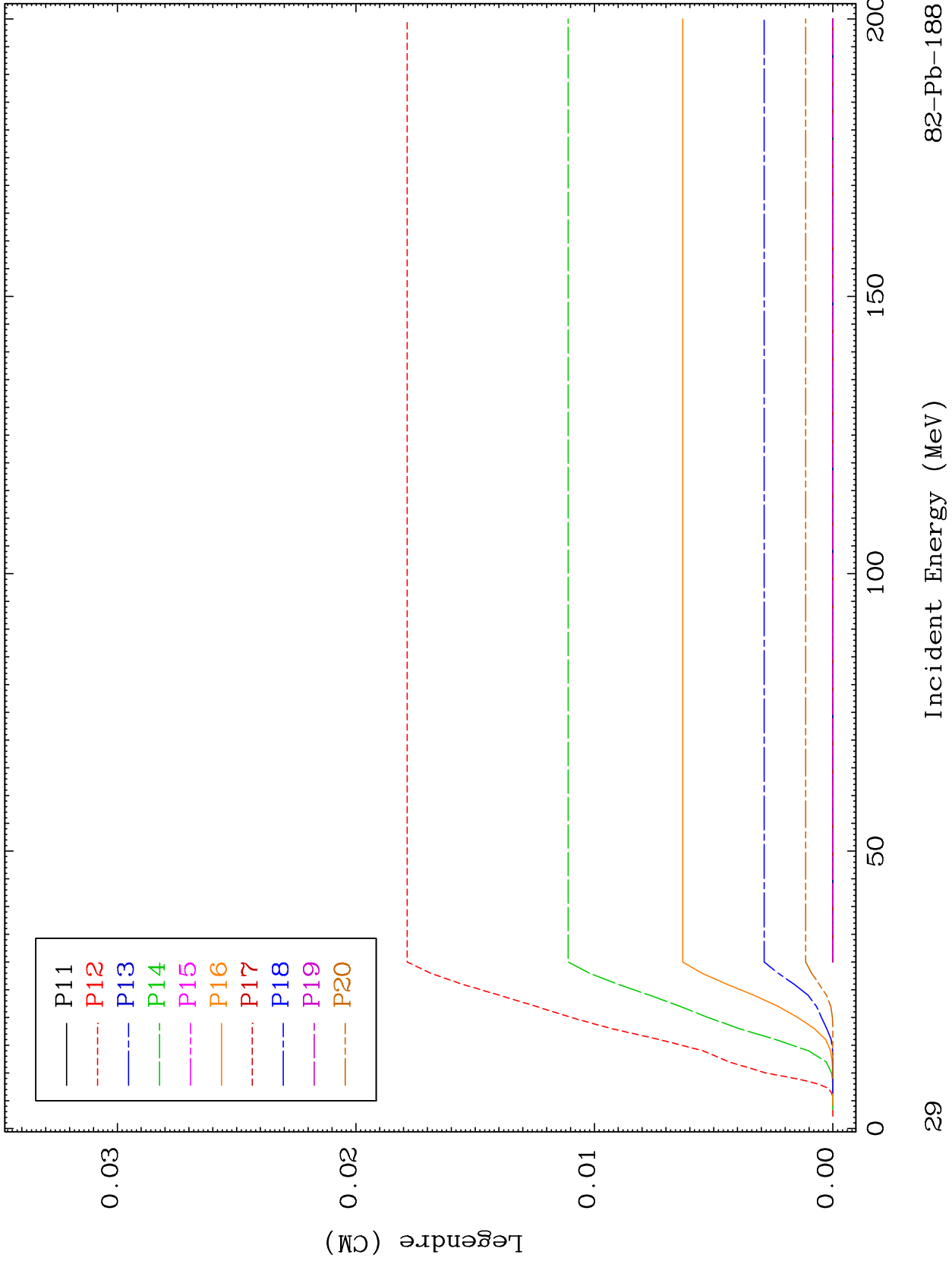




MAT 8177

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

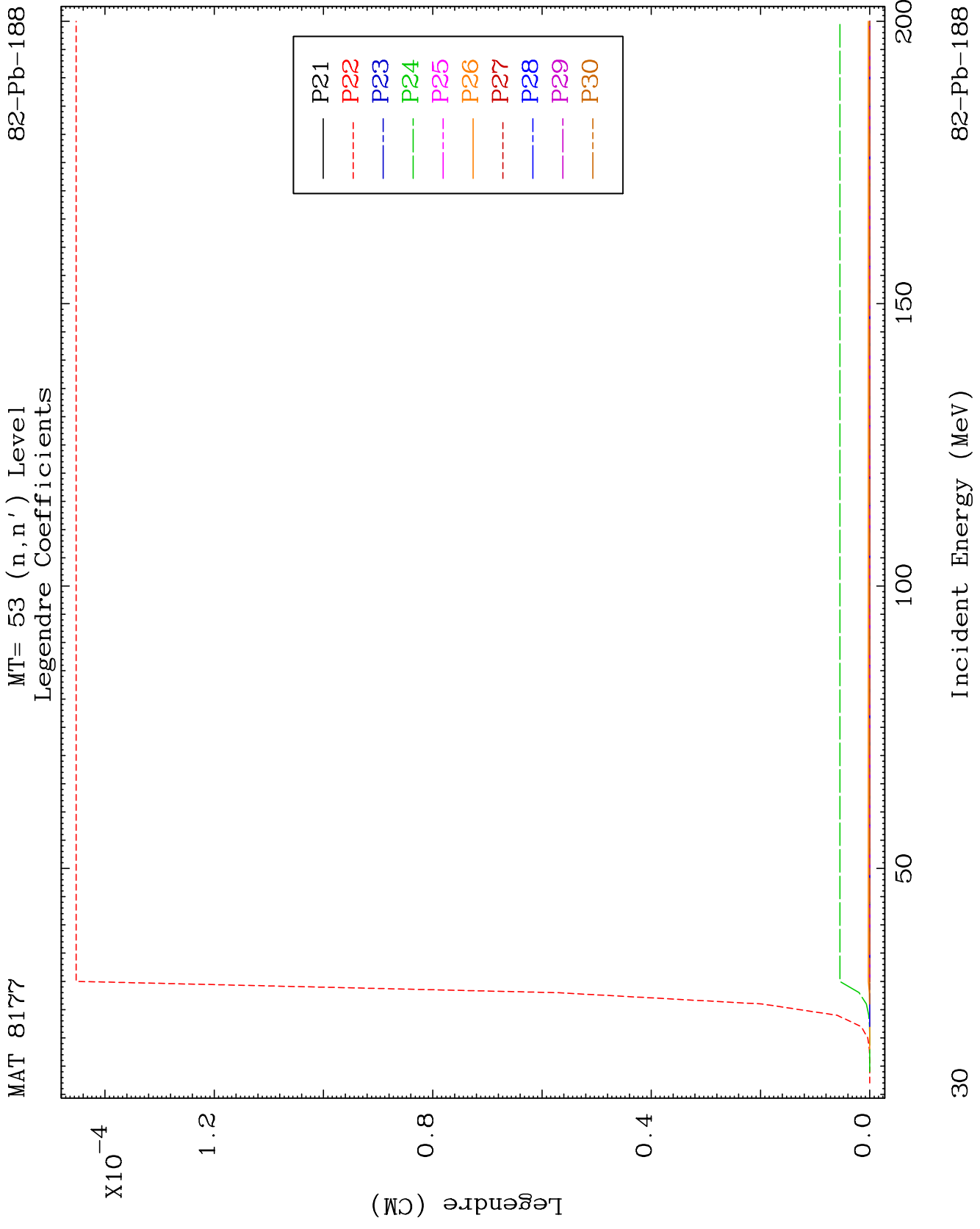
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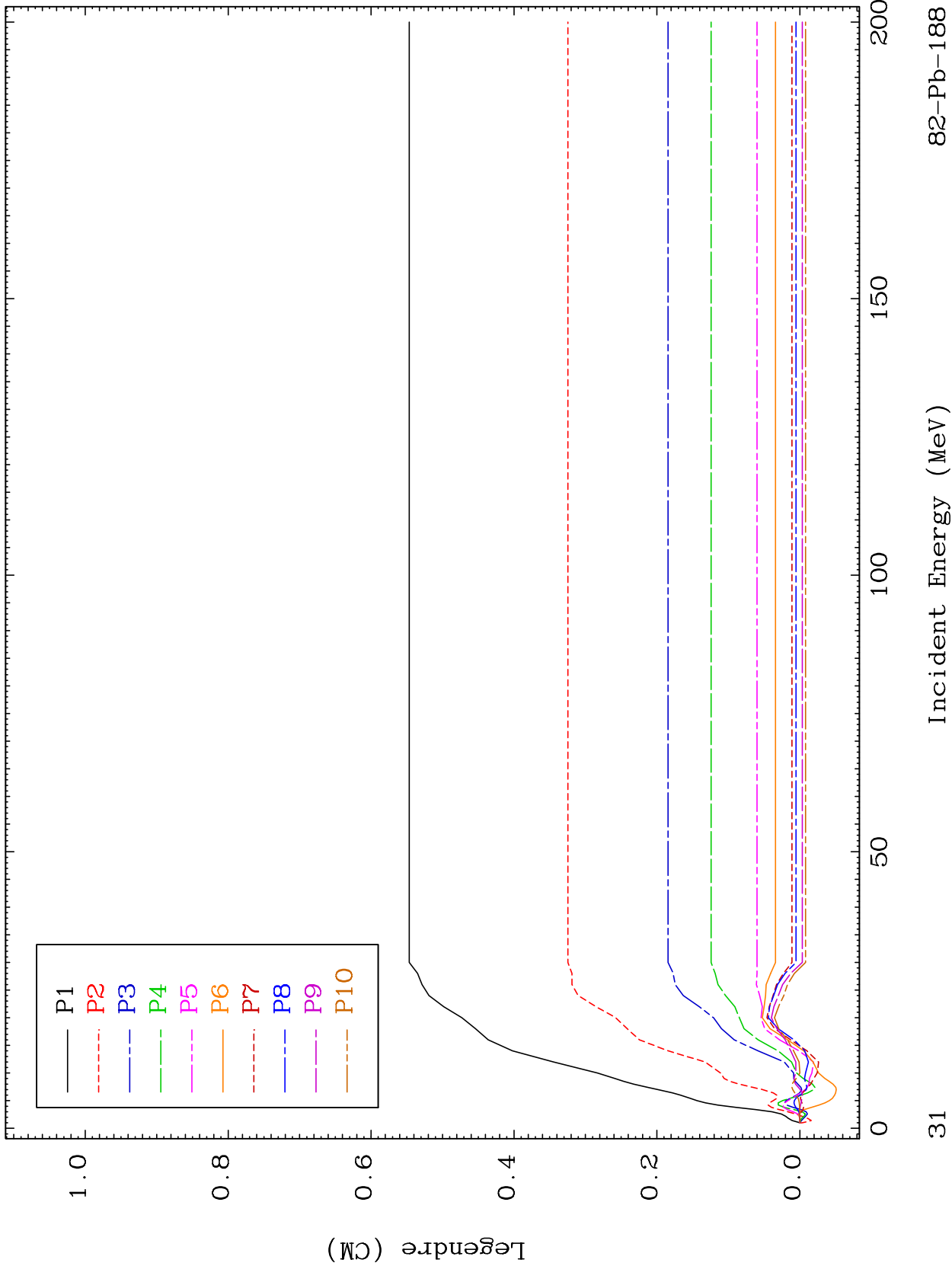


29

Incident Energy (MeV)

82-Pb-188

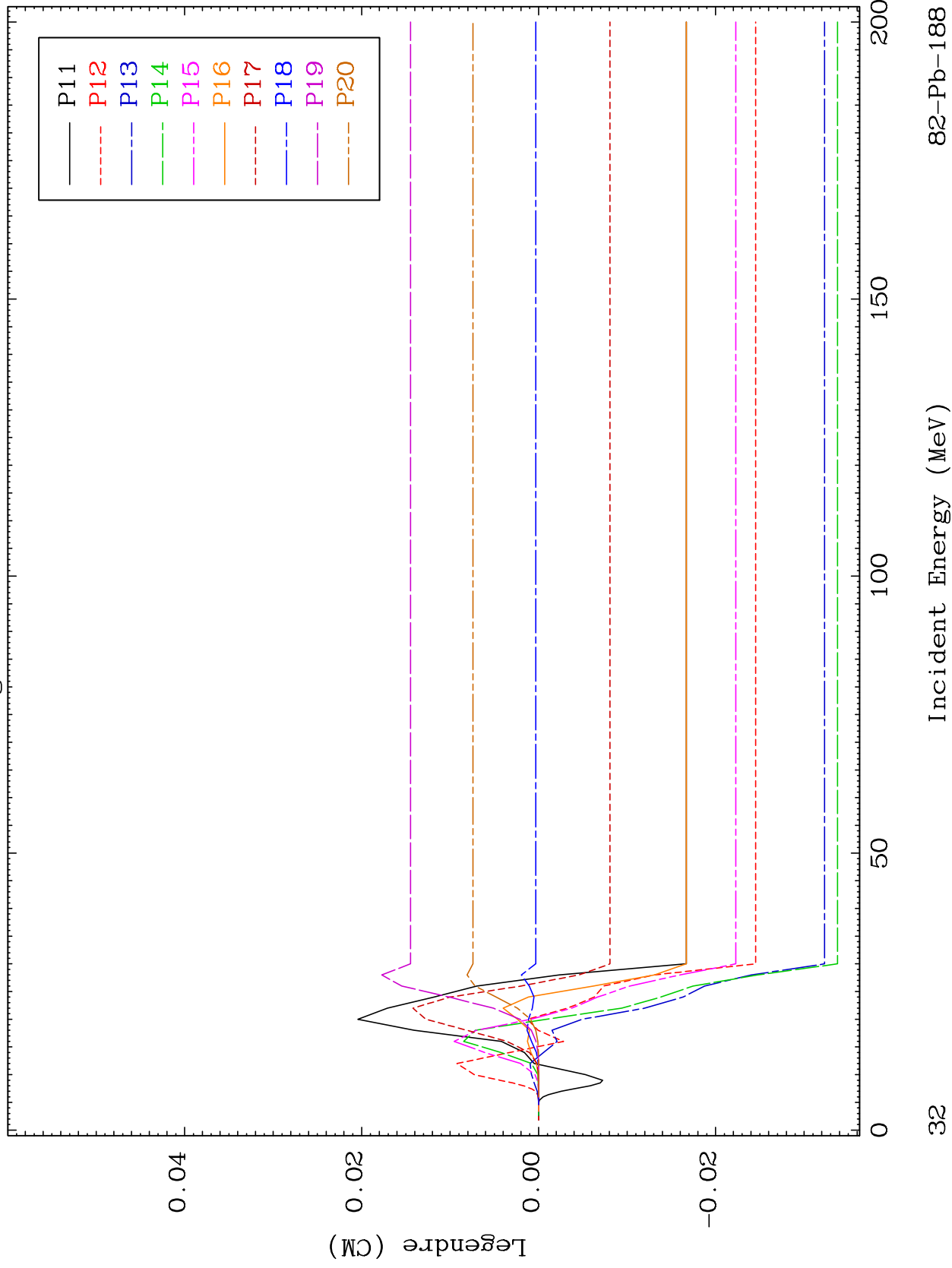




MAT 8177

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

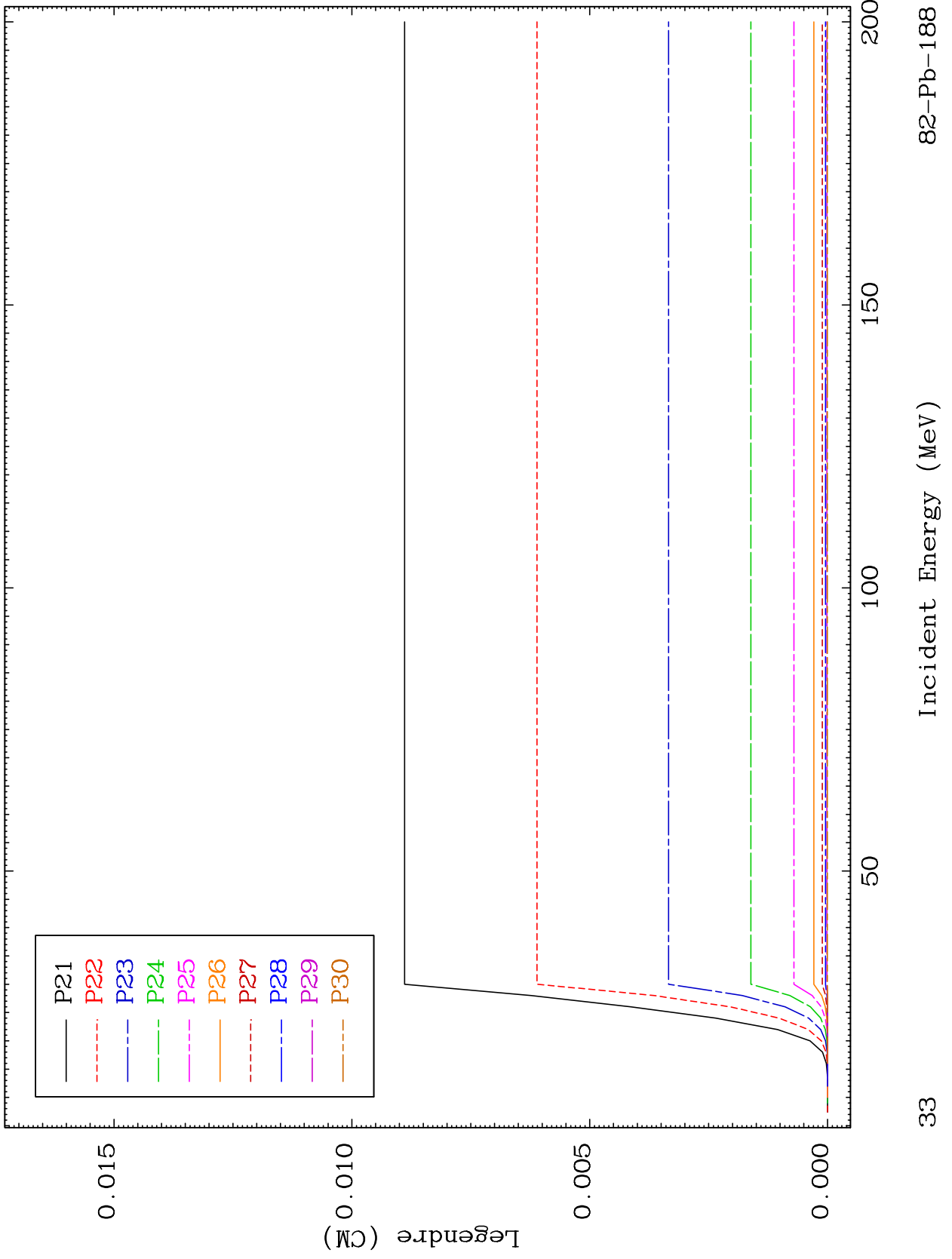
82-Pb-188



32

Incident Energy (MeV)

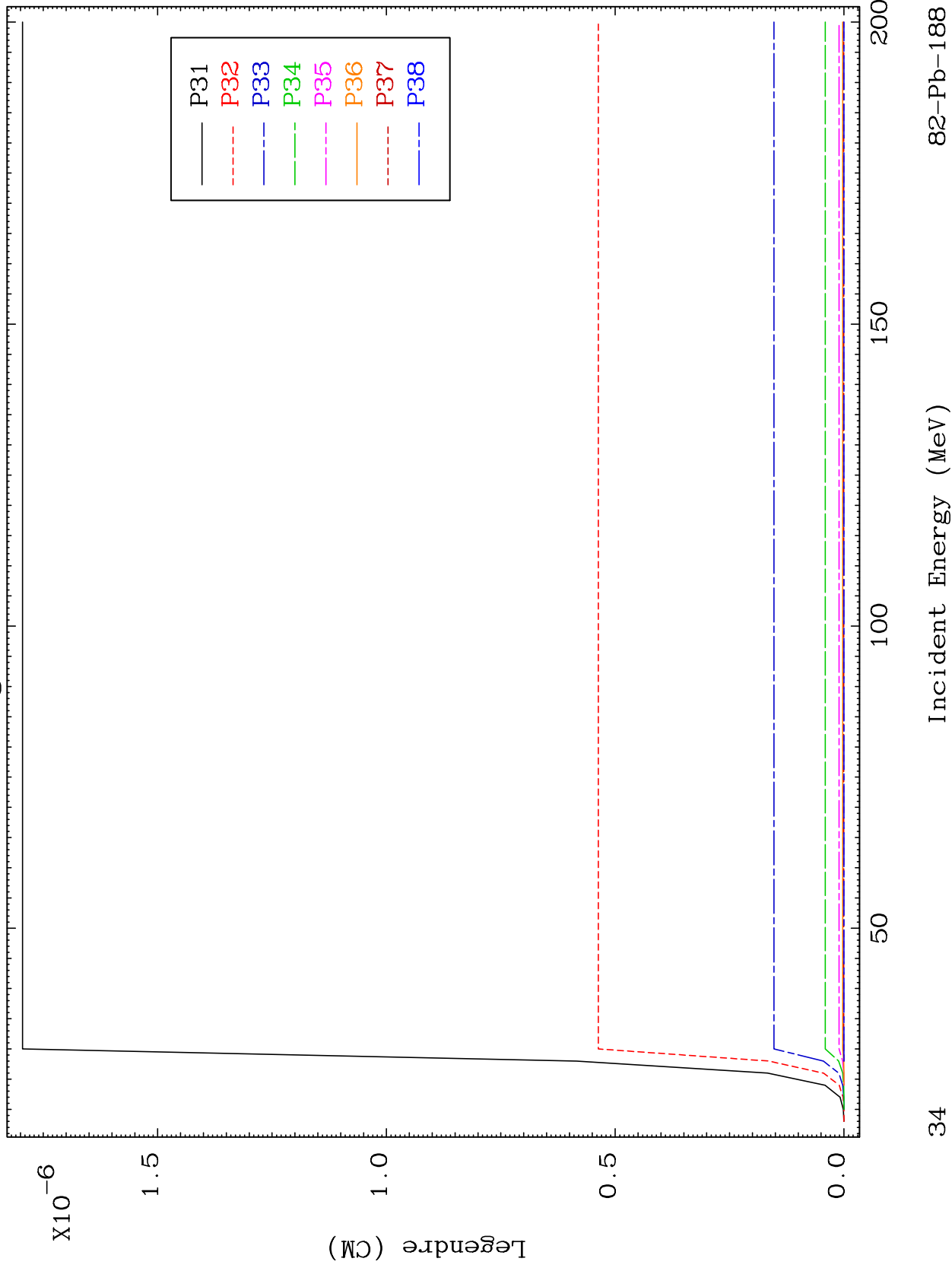
82-Pb-188



MAT 8177

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

82-Pb-188

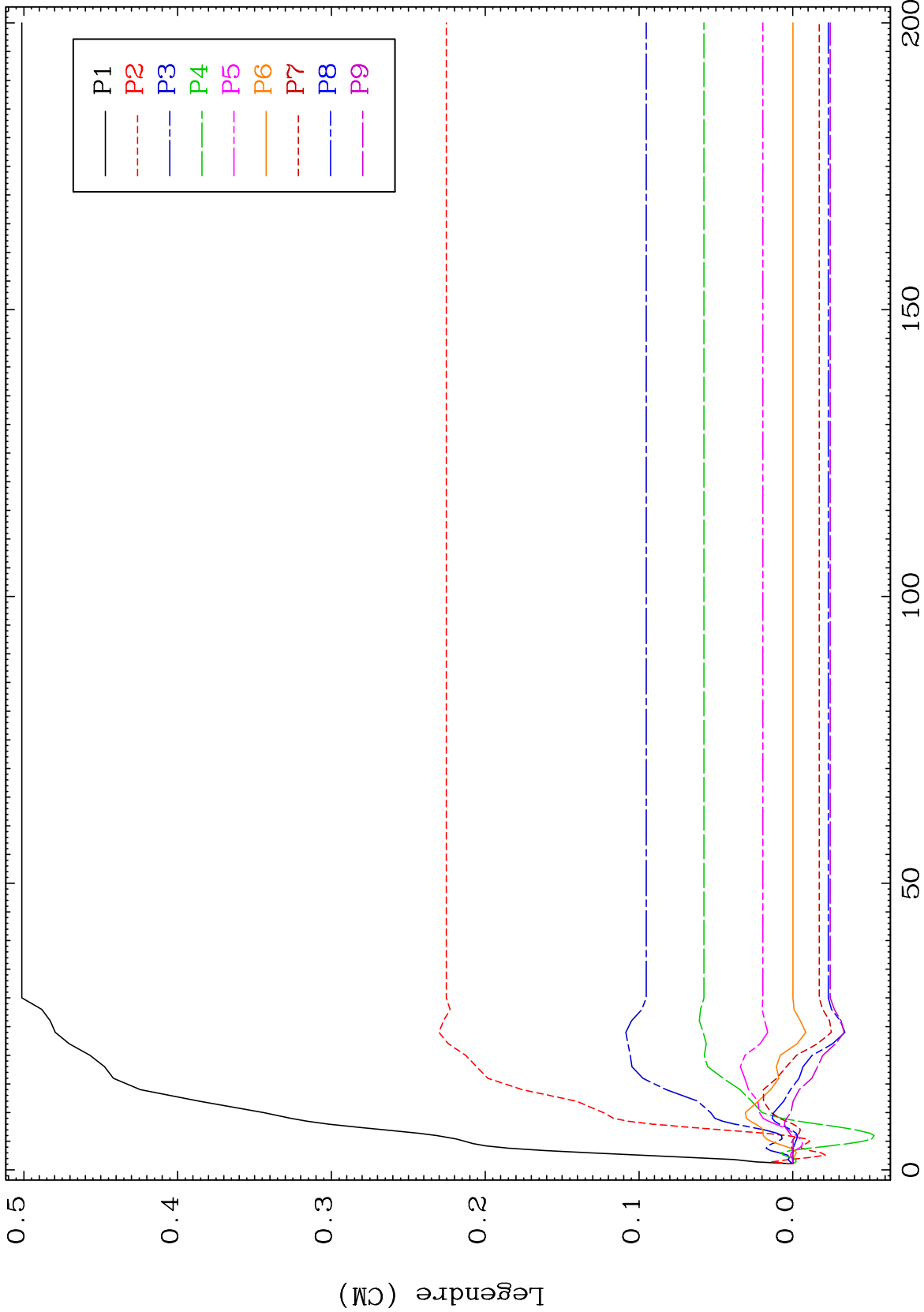


MAT 8177

MT= 55 (n,n') Level

82-Pb-188

Legendre Coefficients



Incident Energy (MeV)

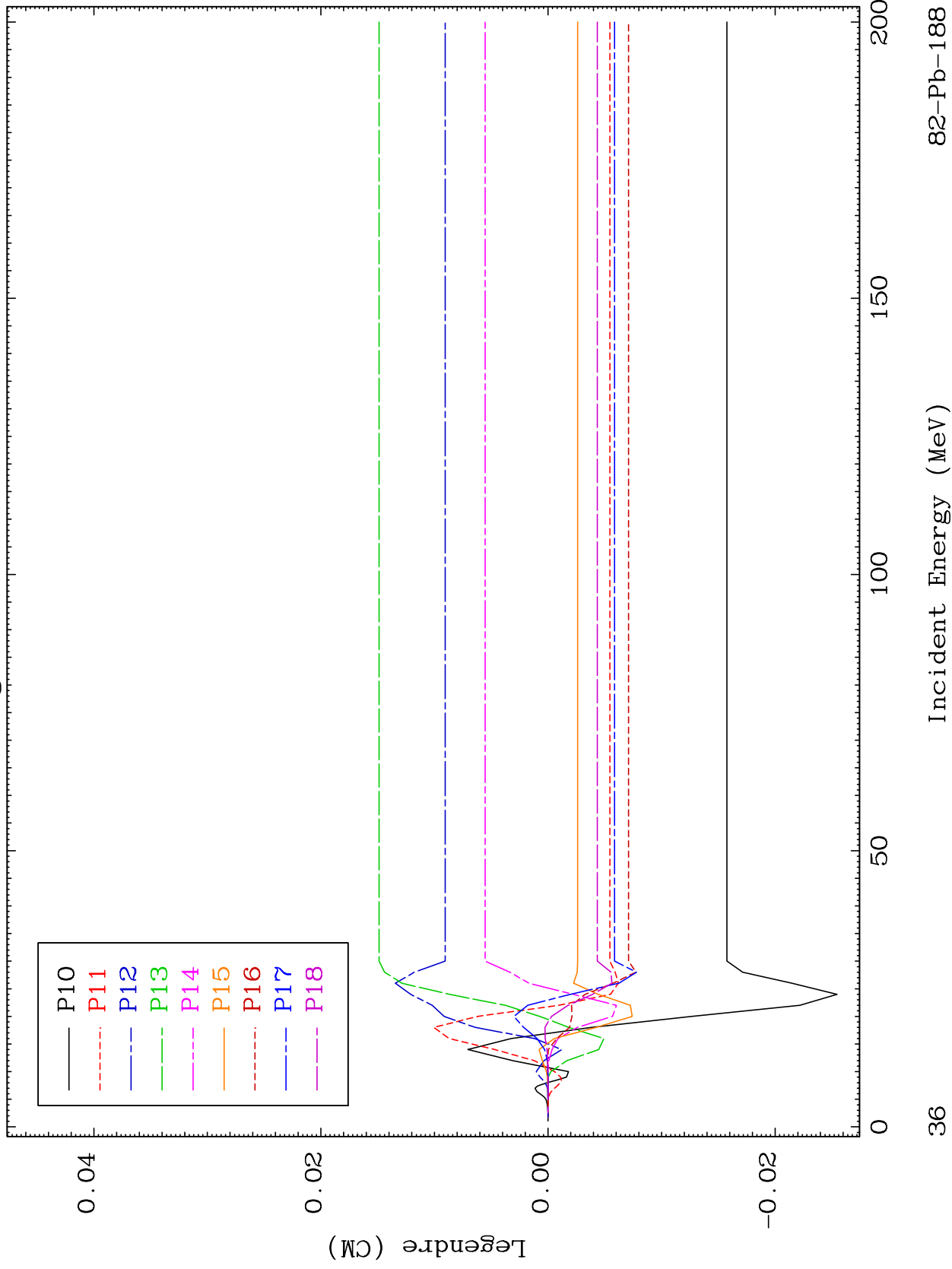
82-Pb-188

35

MAT 8177

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

82-Pb-188



36

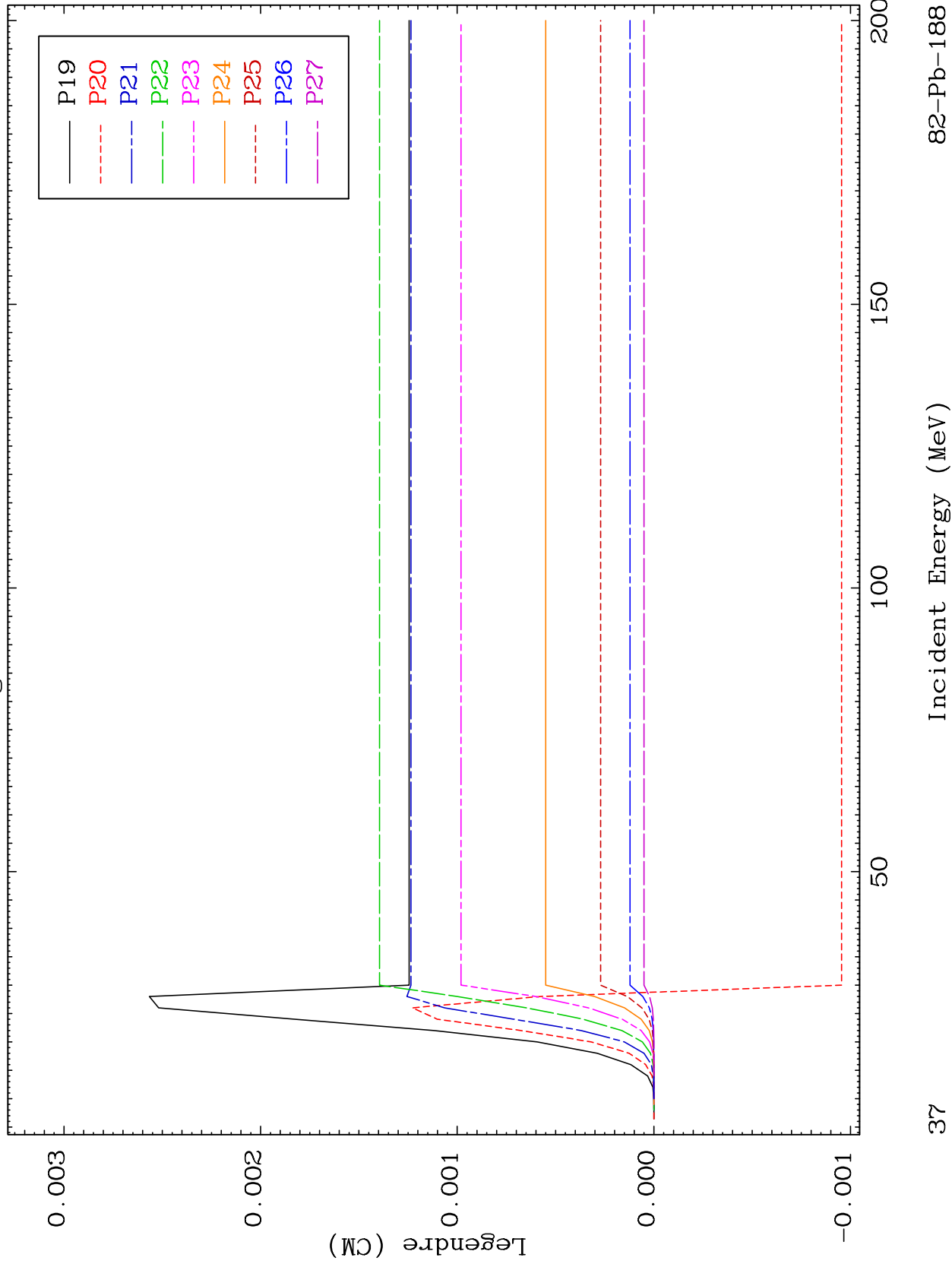
Incident Energy (MeV)

82-Pb-188

MAT 8177

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

82-Pb-188



37

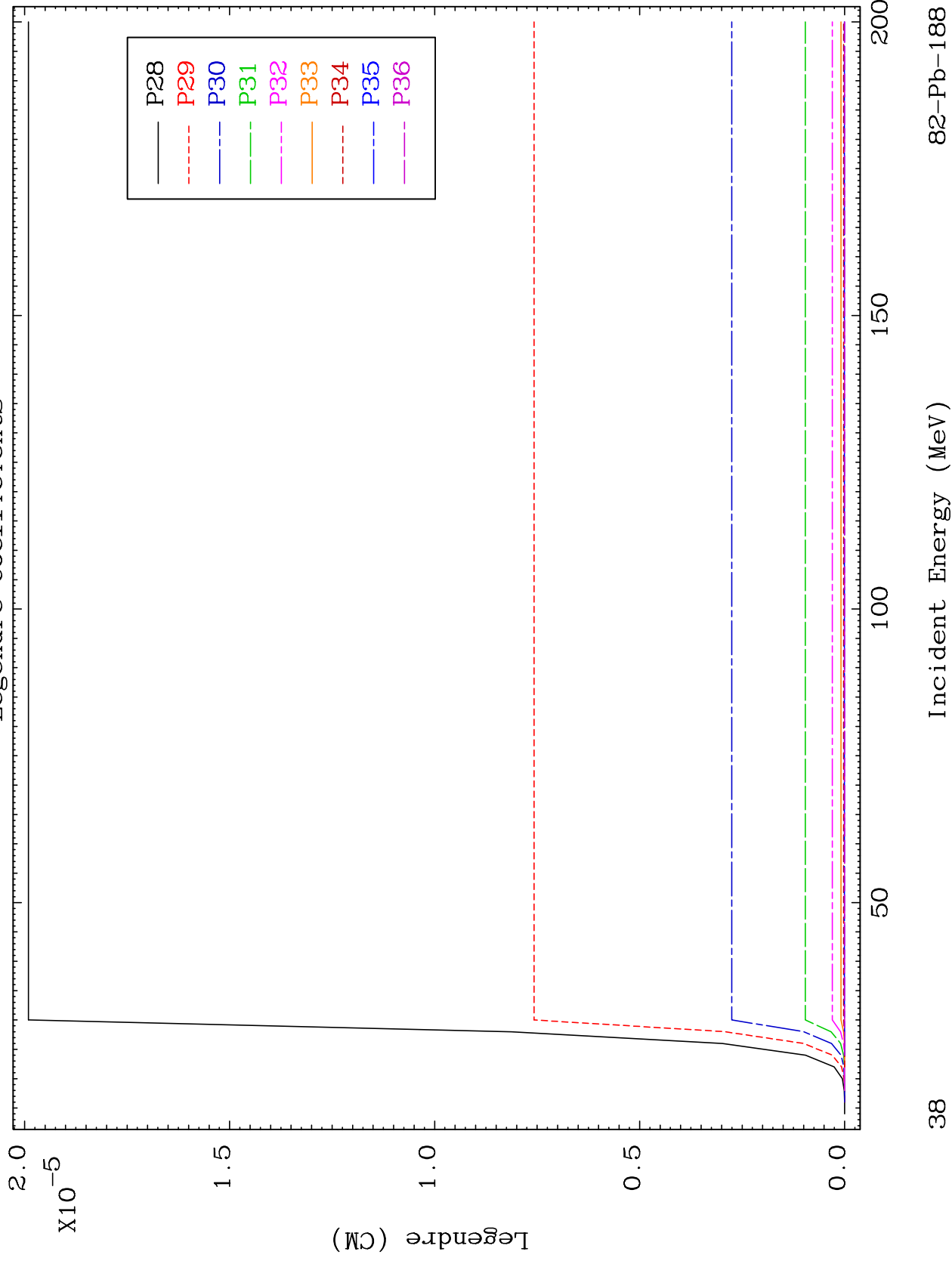
Incident Energy (MeV)

82-Pb-188

MAT 8177

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

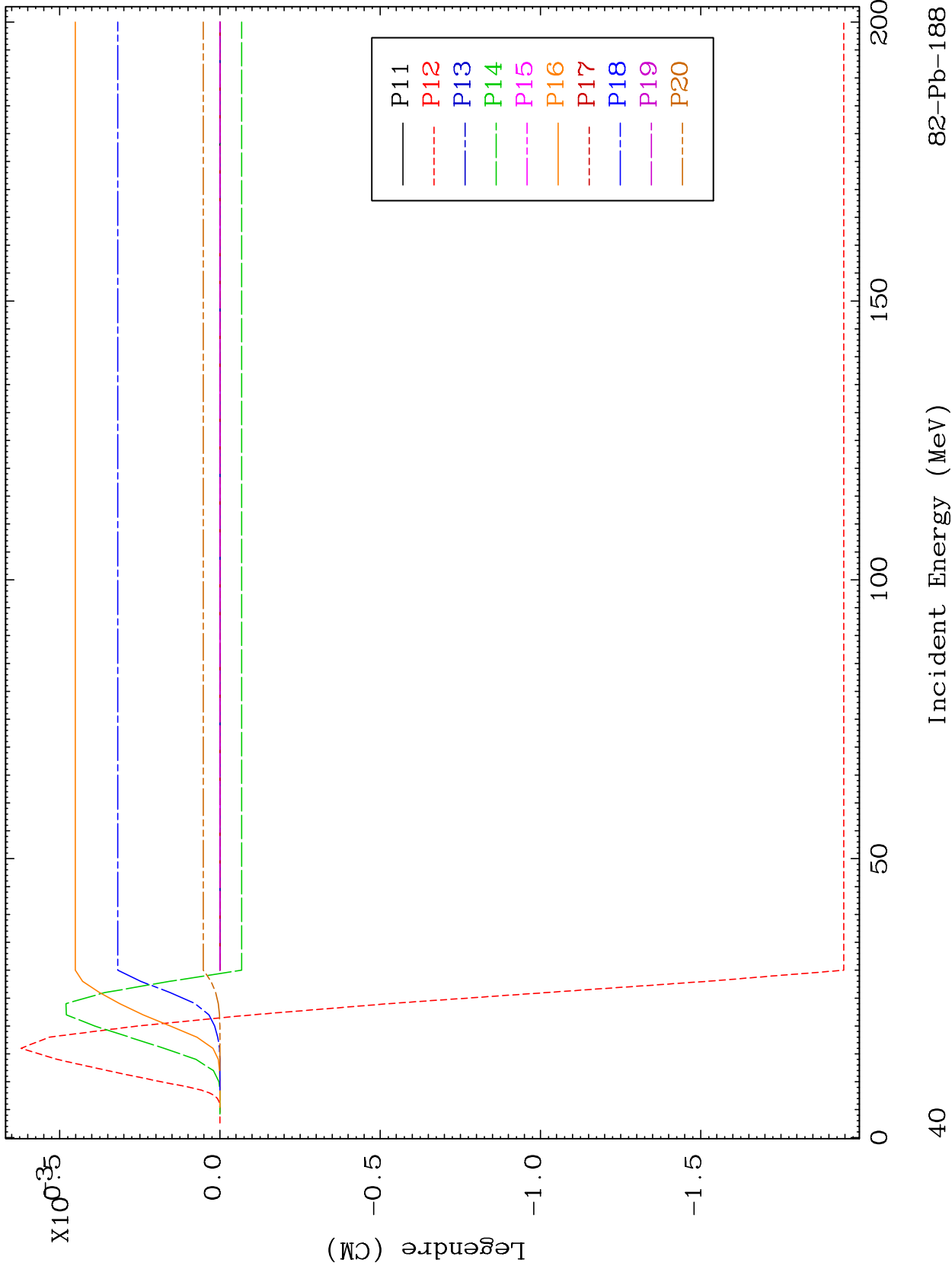
82-Pb-188



MAT 8177

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

82-Pb-188



82-Pb-188

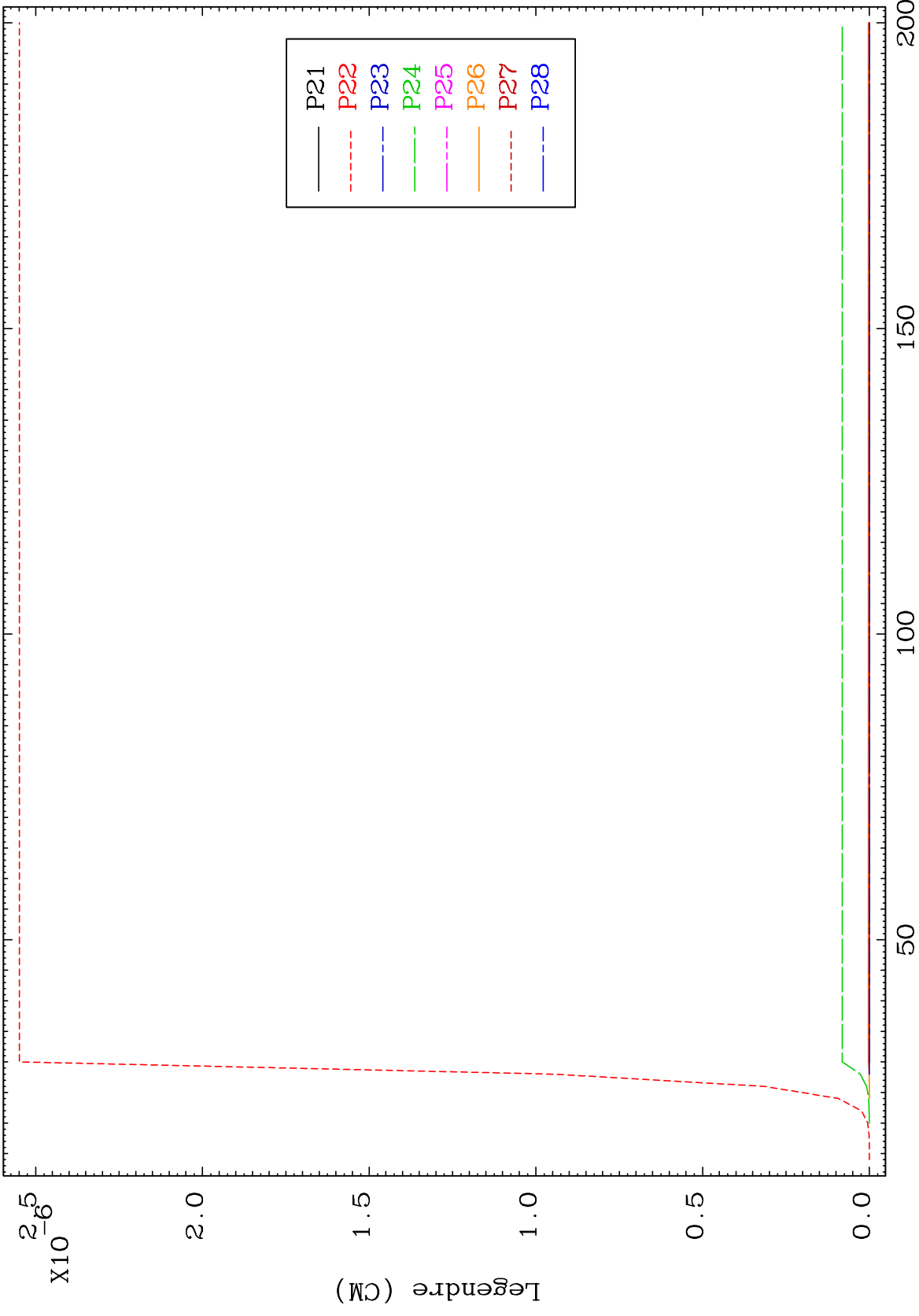
Incident Energy (MeV)

40

MAT 8177

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

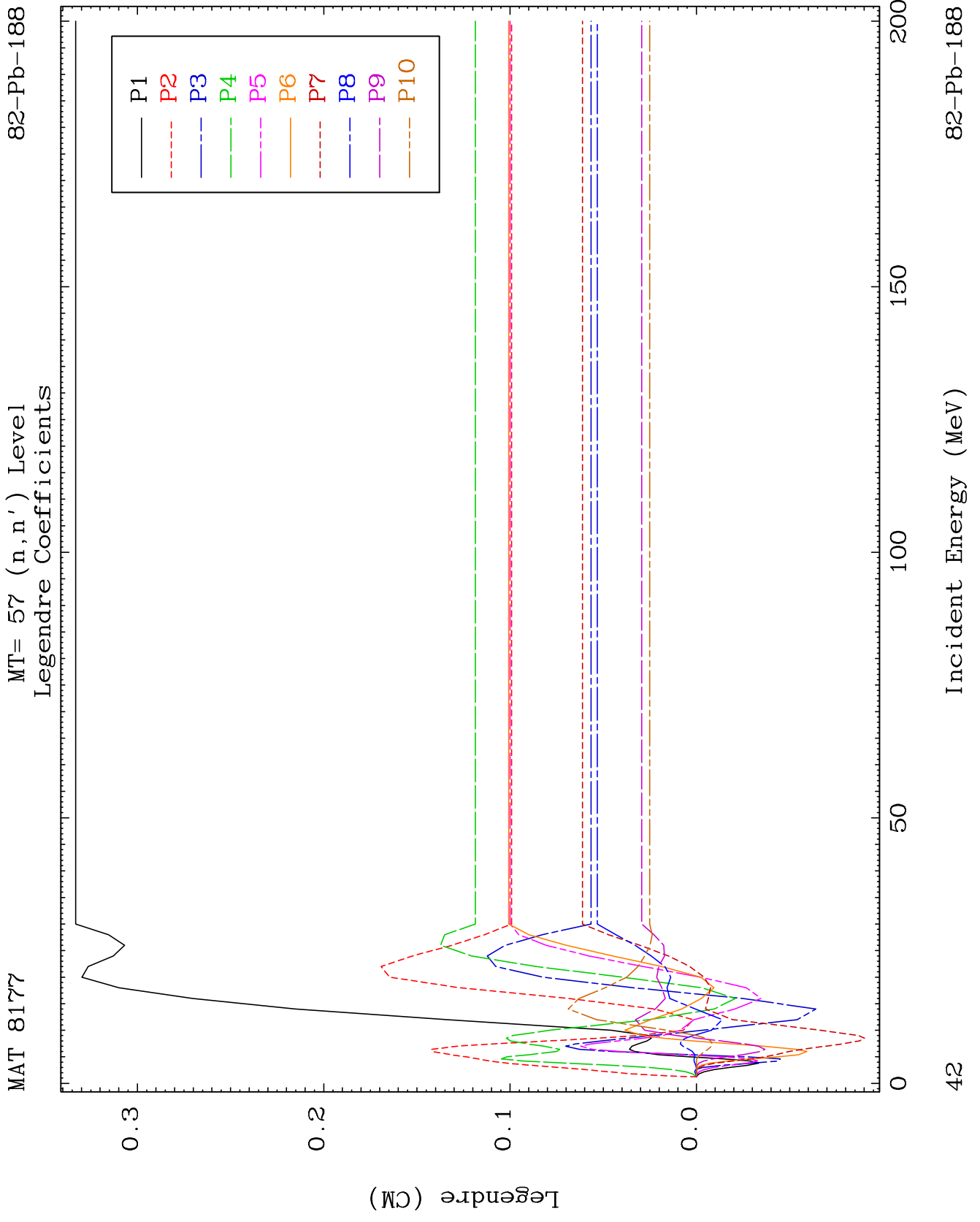
82-Pb-188



41

Incident Energy (MeV)

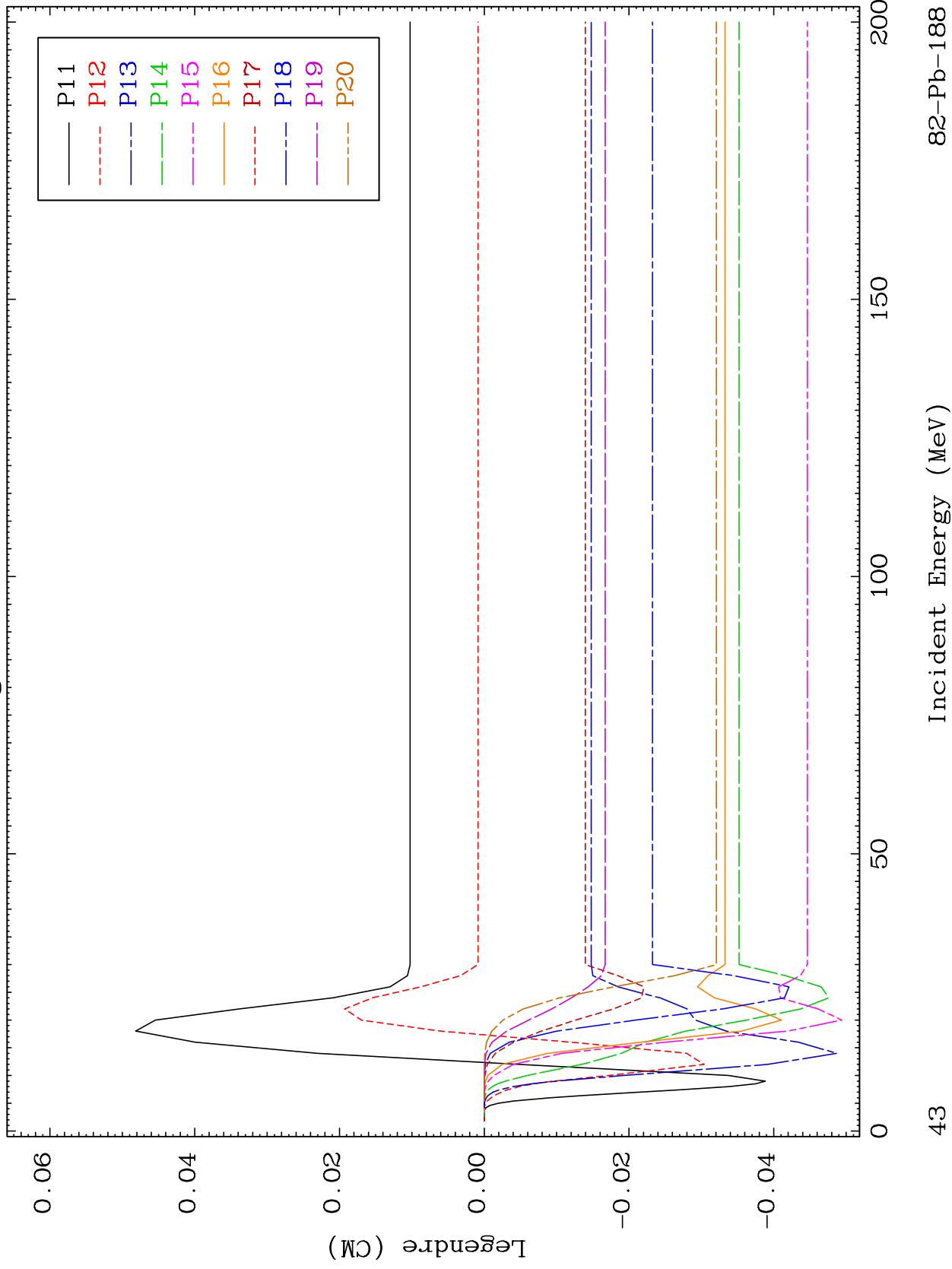
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MAT 8177

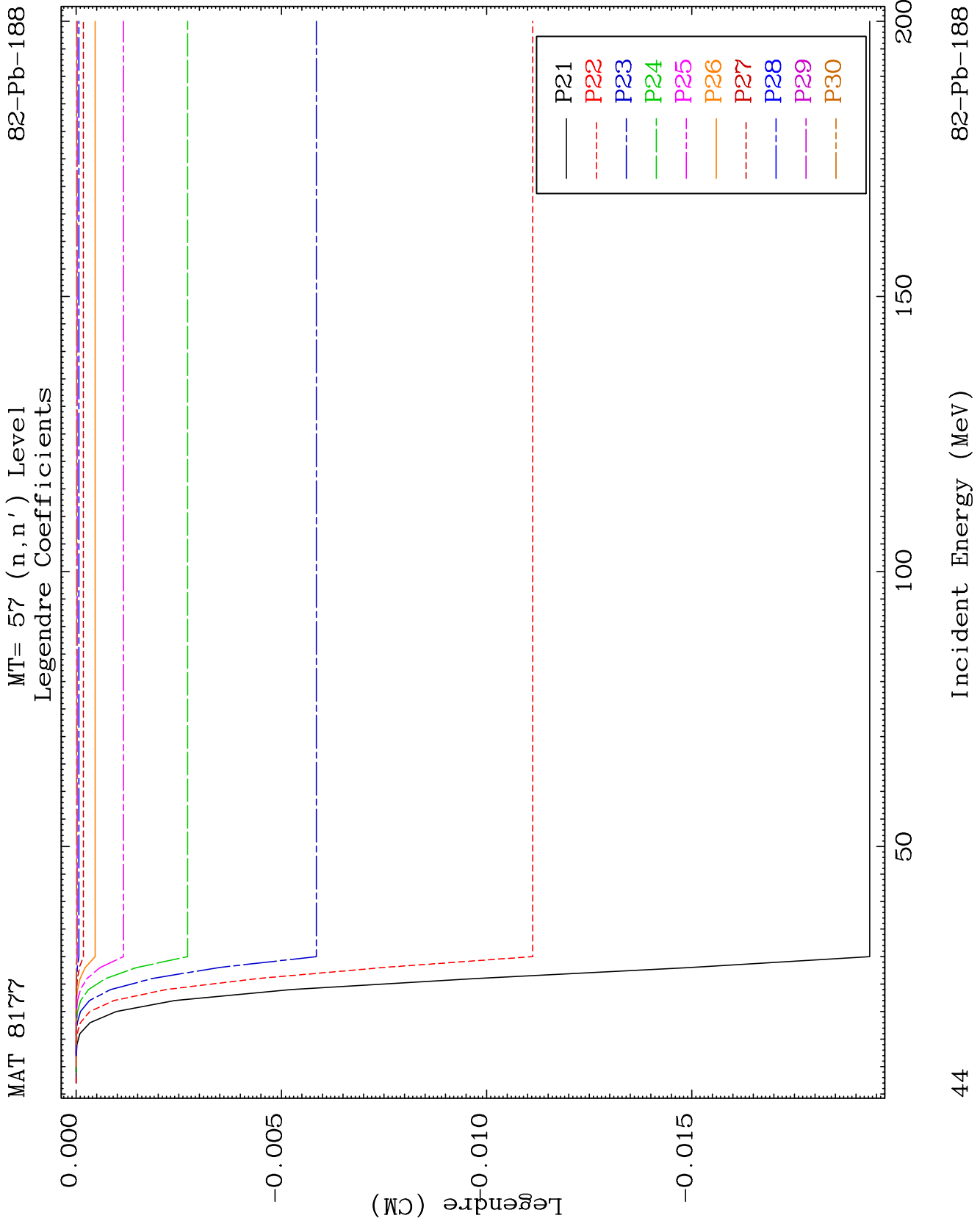
MT= 57 (n,n') Level
Legendre Coefficients

82-Pb-188



43

82-Pb-188

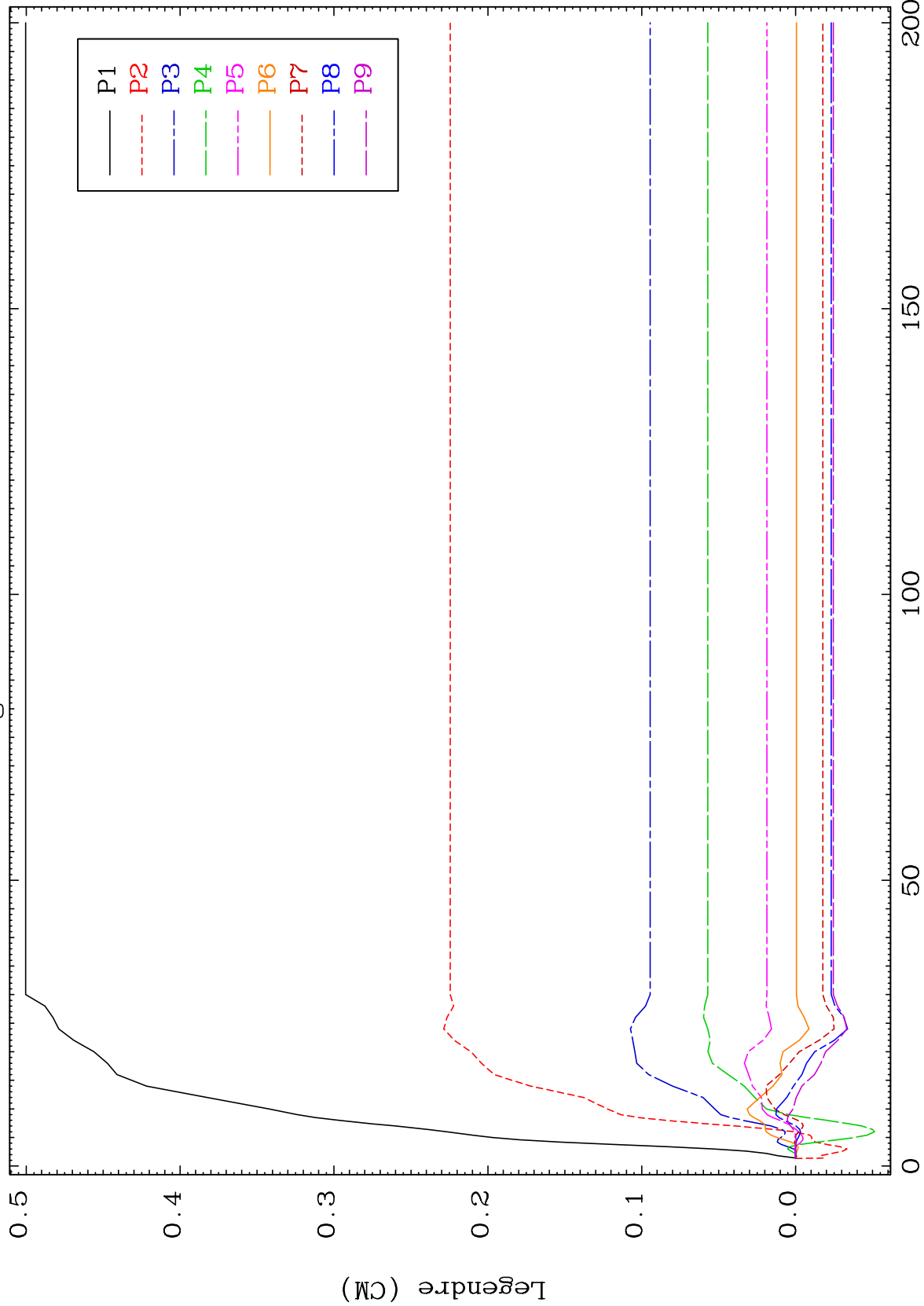


MAT 8177

MT= 58 (n,n') Level

82-Pb-188

Legendre Coefficients



46

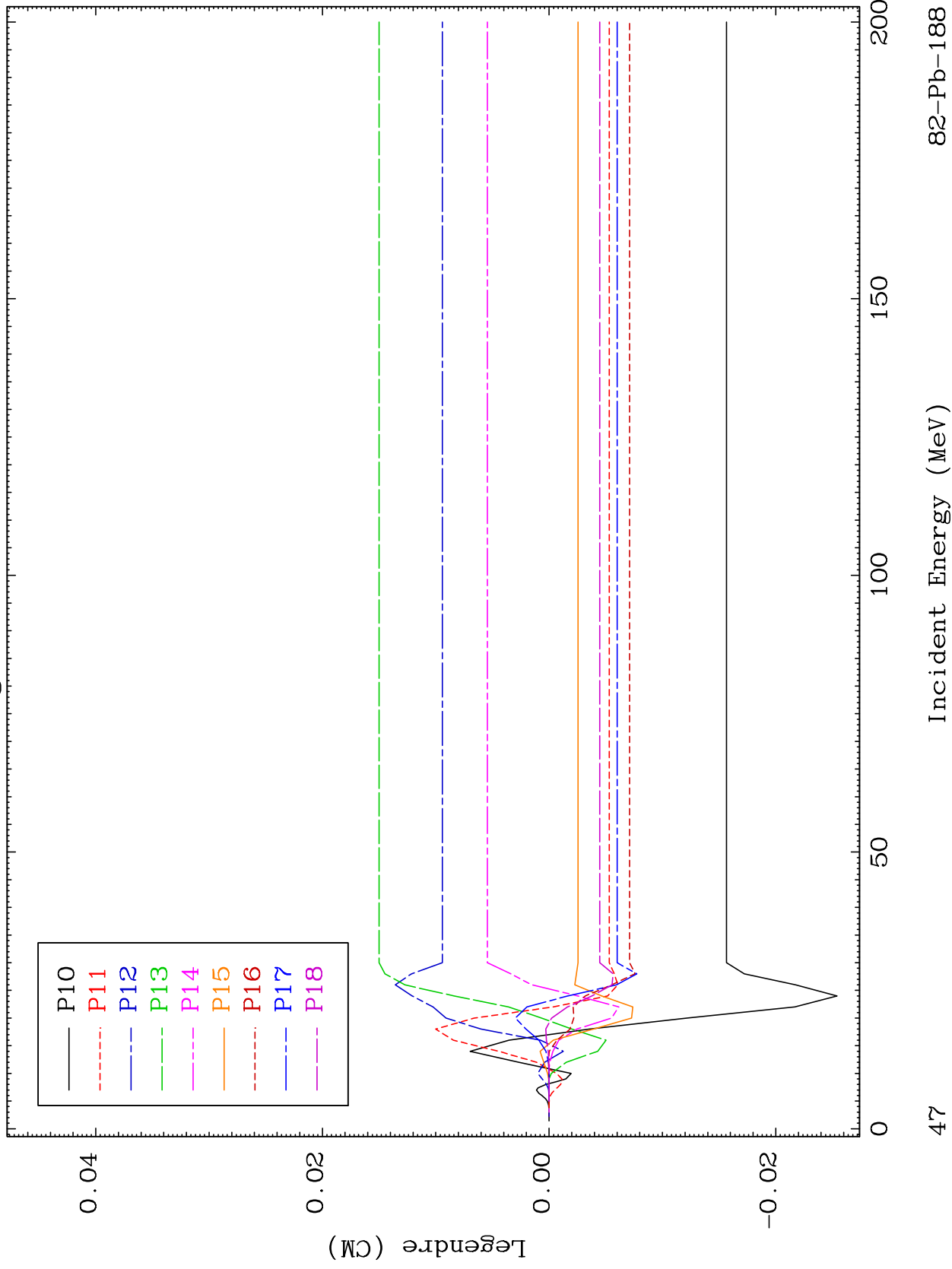
Incident Energy (MeV)

82-Pb-188

MAT 8177

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

82-Pb-188



47

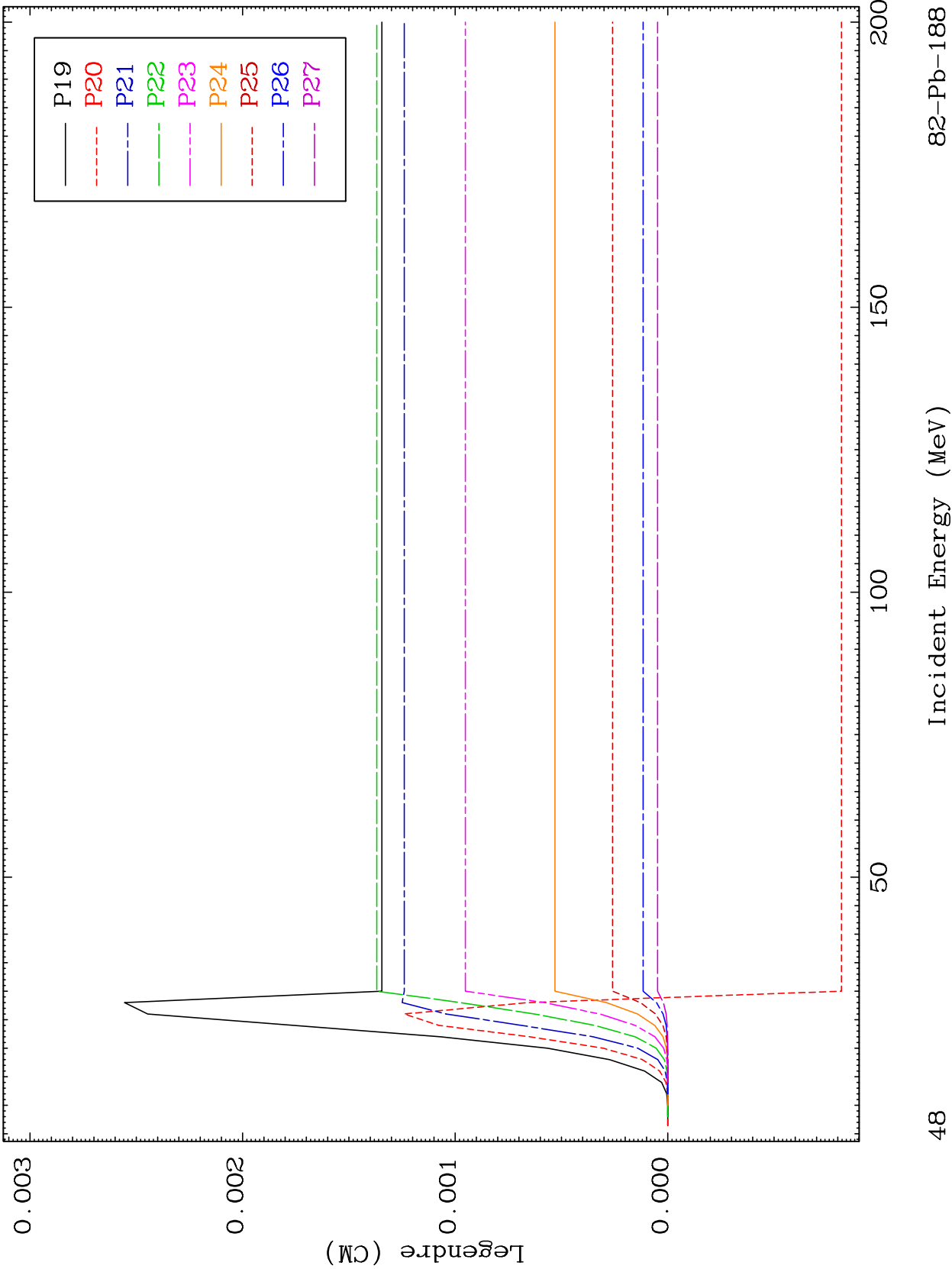
Incident Energy (MeV)

82-Pb-188

MAT 8177

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

82-Pb-188



48

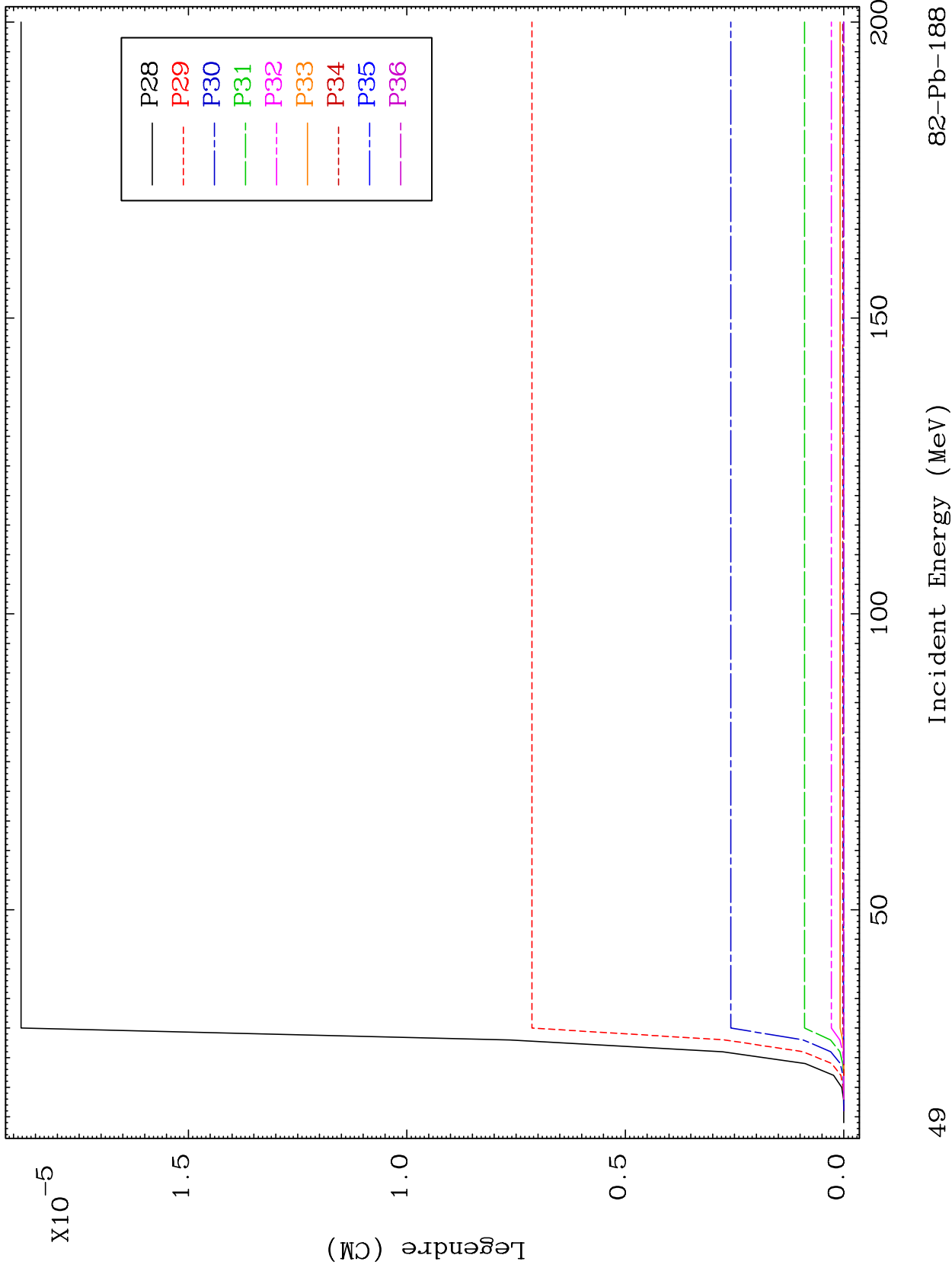
Incident Energy (MeV)

82-Pb-188

MAT 8177

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

82-Pb-188



49

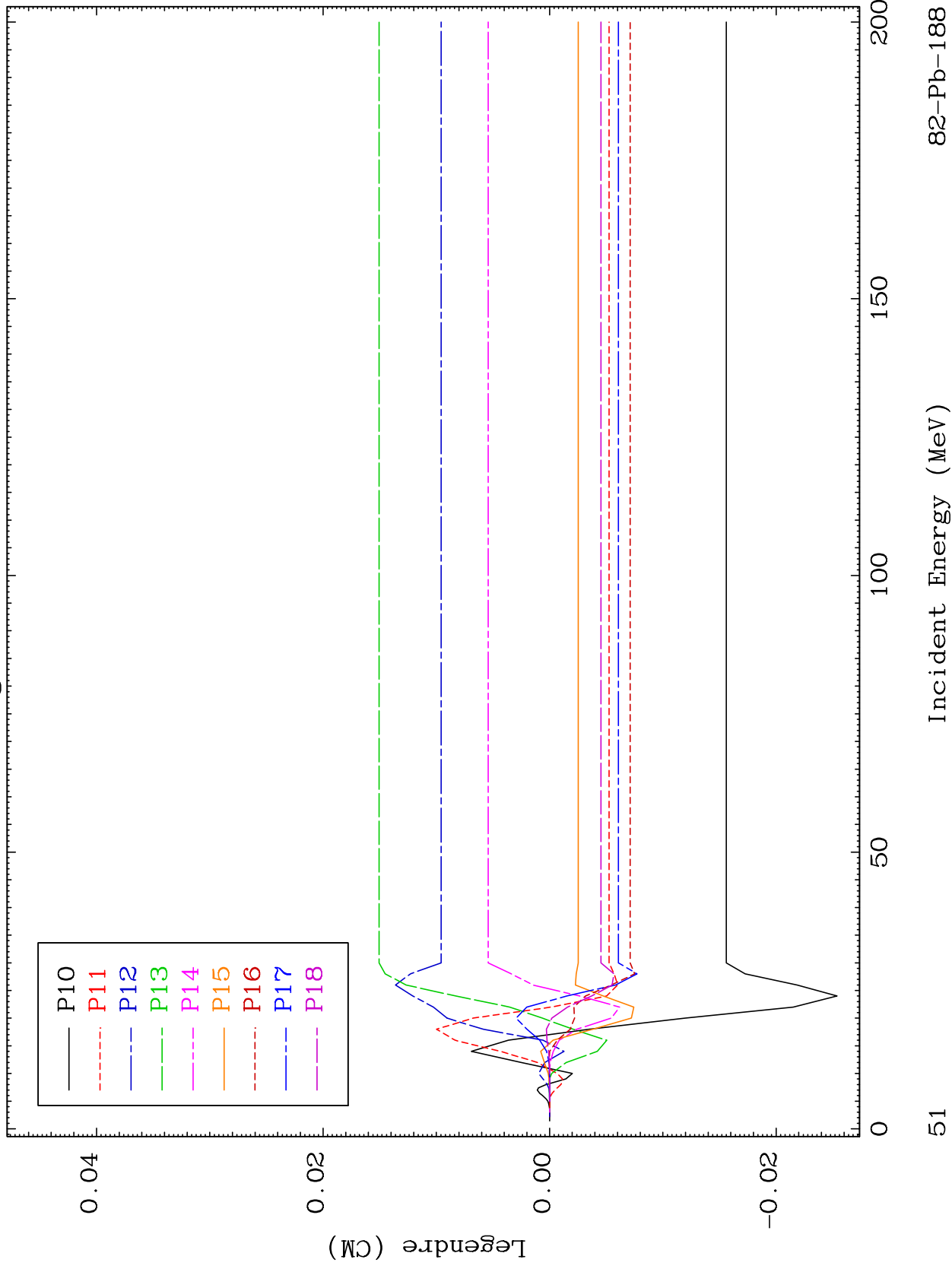
Incident Energy (MeV)

82-Pb-188

MAT 8177

MT= 59 (n,n') Level
Legendre Coefficients

82-Pb-188



51

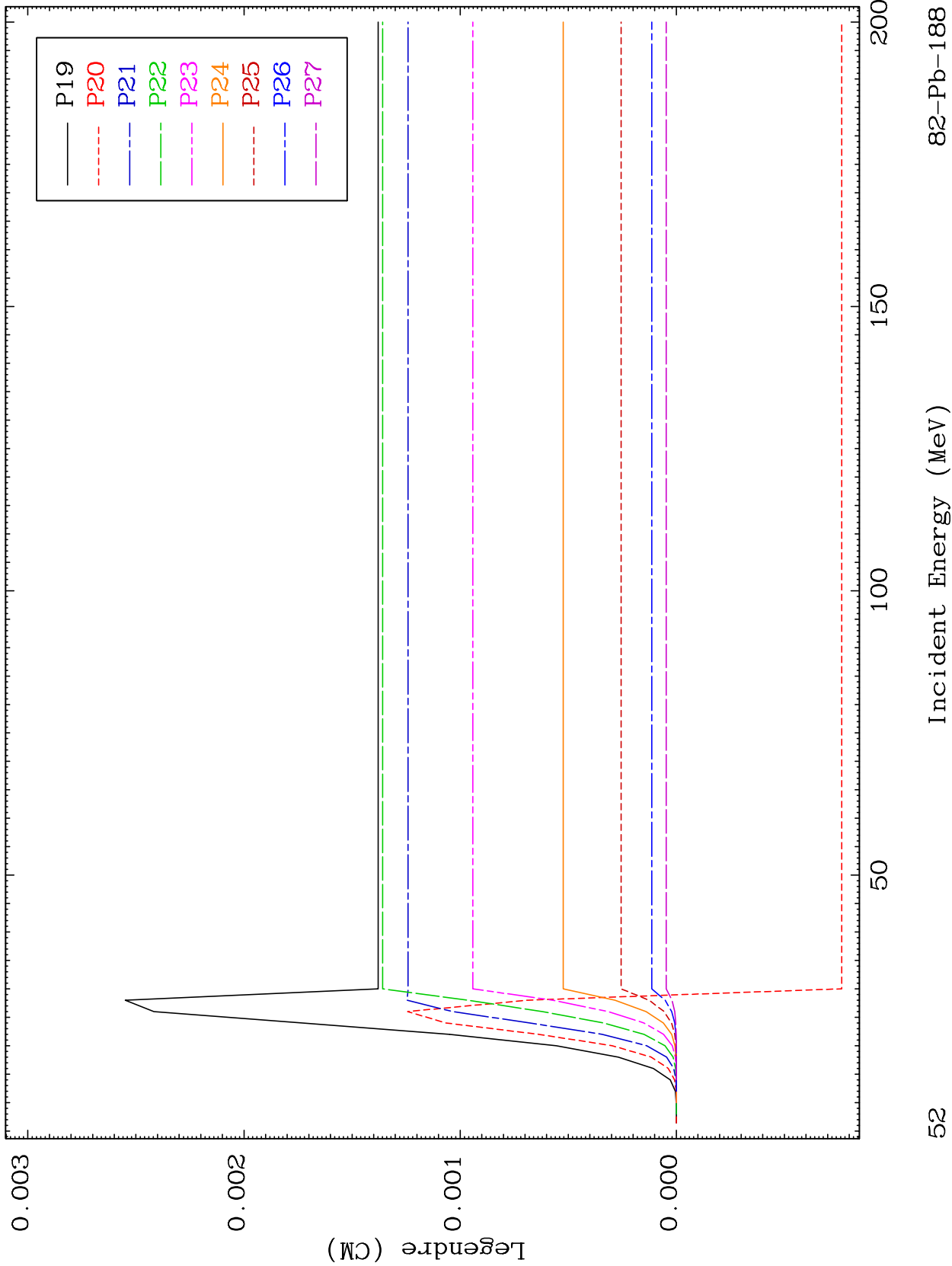
Incident Energy (MeV)

82-Pb-188

MAT 8177

MT= 59 (n,n') Level
Legendre Coefficients

82-Pb-188



52

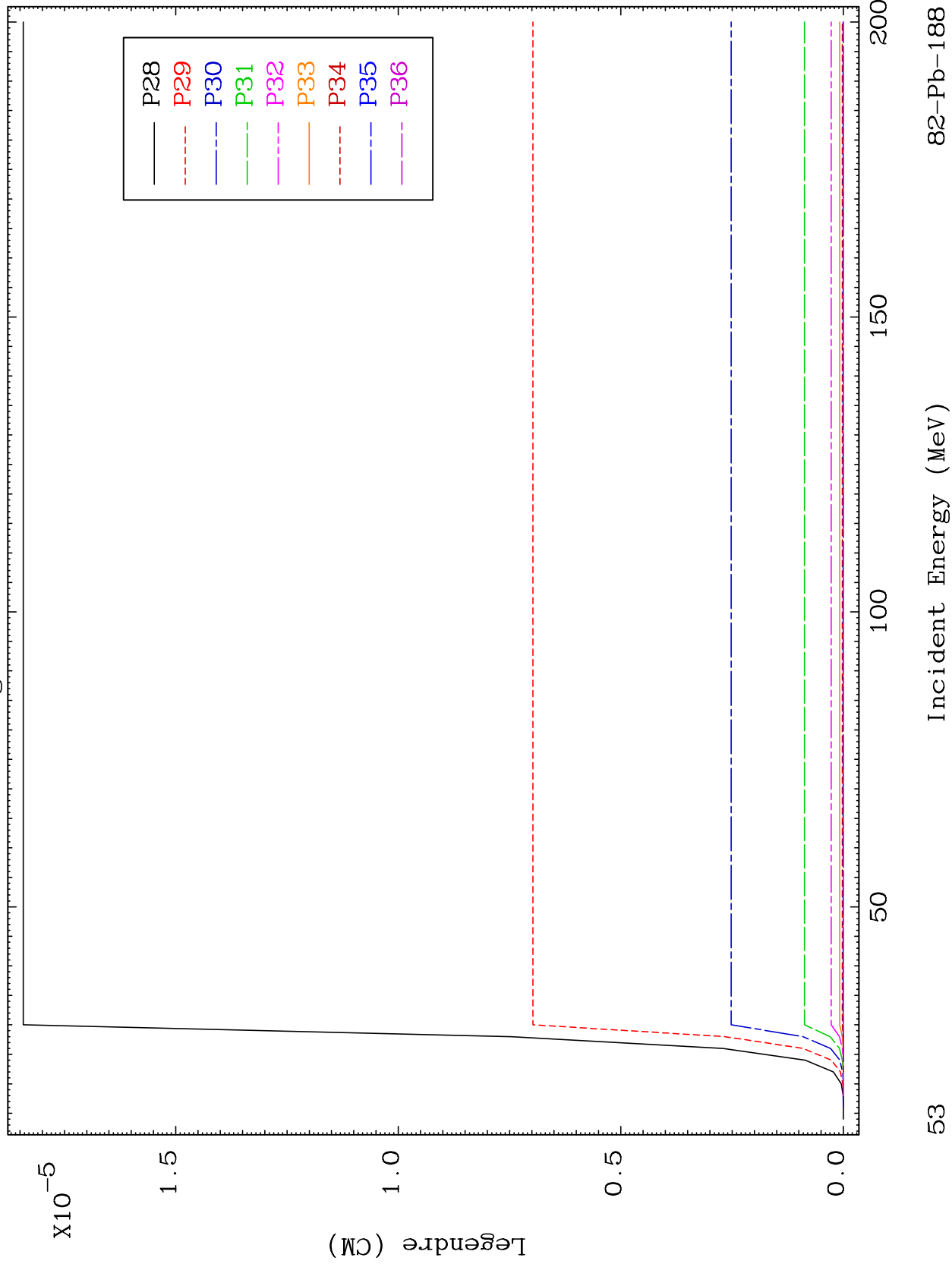
Incident Energy (MeV)

82-Pb-188

MAT 8177

MT= 59 (n,n') Level
Legendre Coefficients

82-Pb-188



53

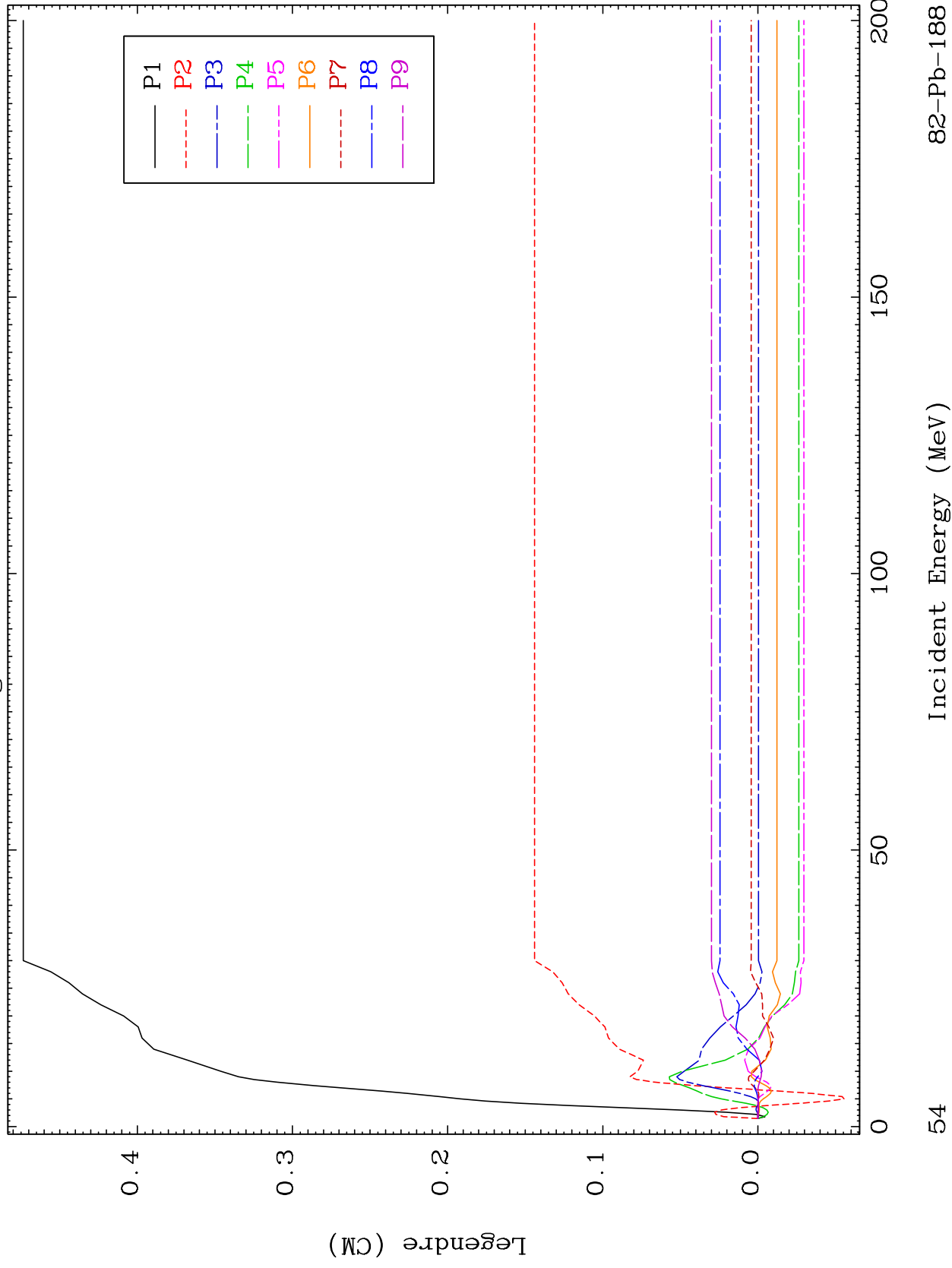
Incident Energy (MeV)

82-Pb-188

MAT 8177

MT= 60 (n,n') Level
Legendre Coefficients

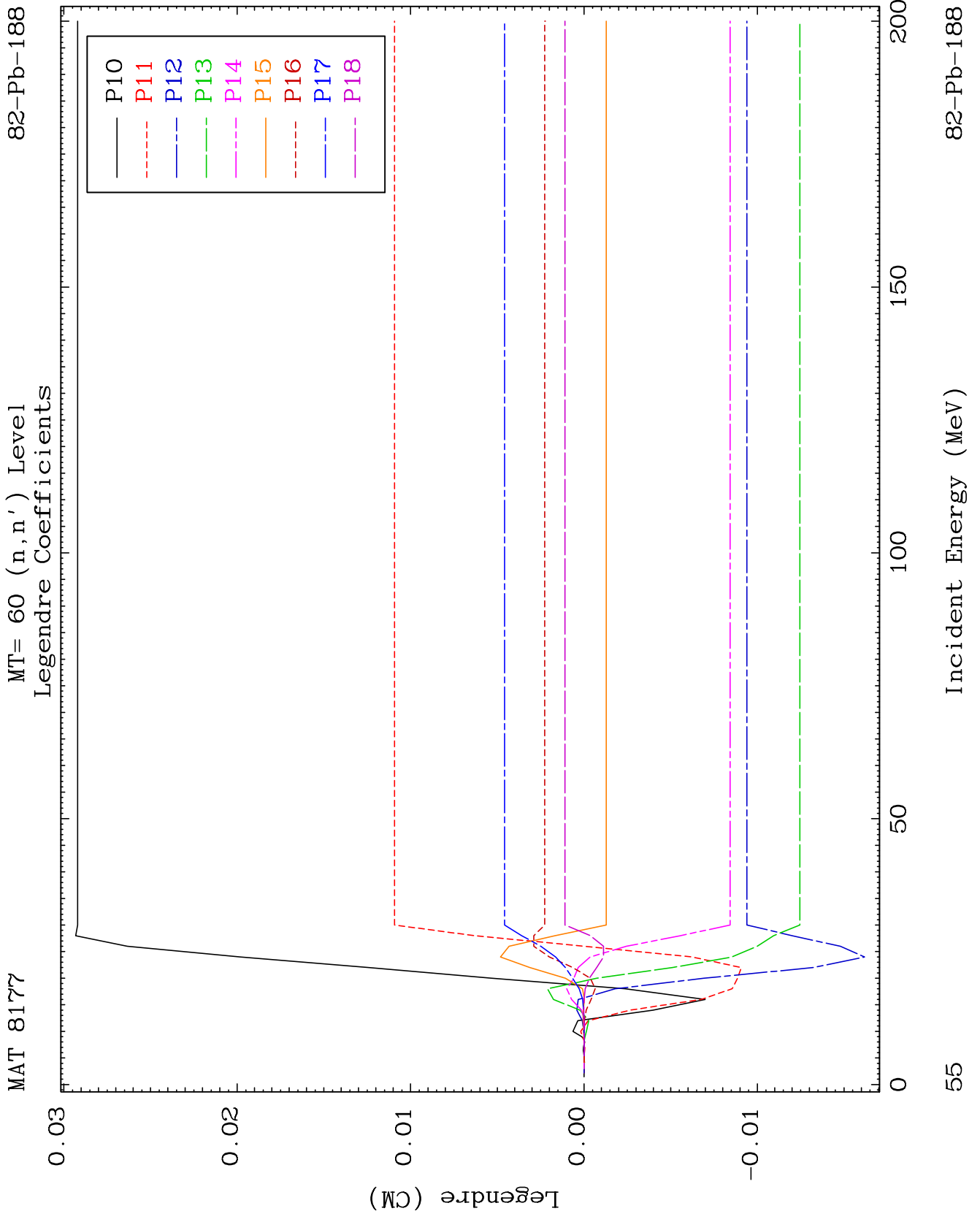
82-Pb-188



82-Pb-188

Incident Energy (MeV)

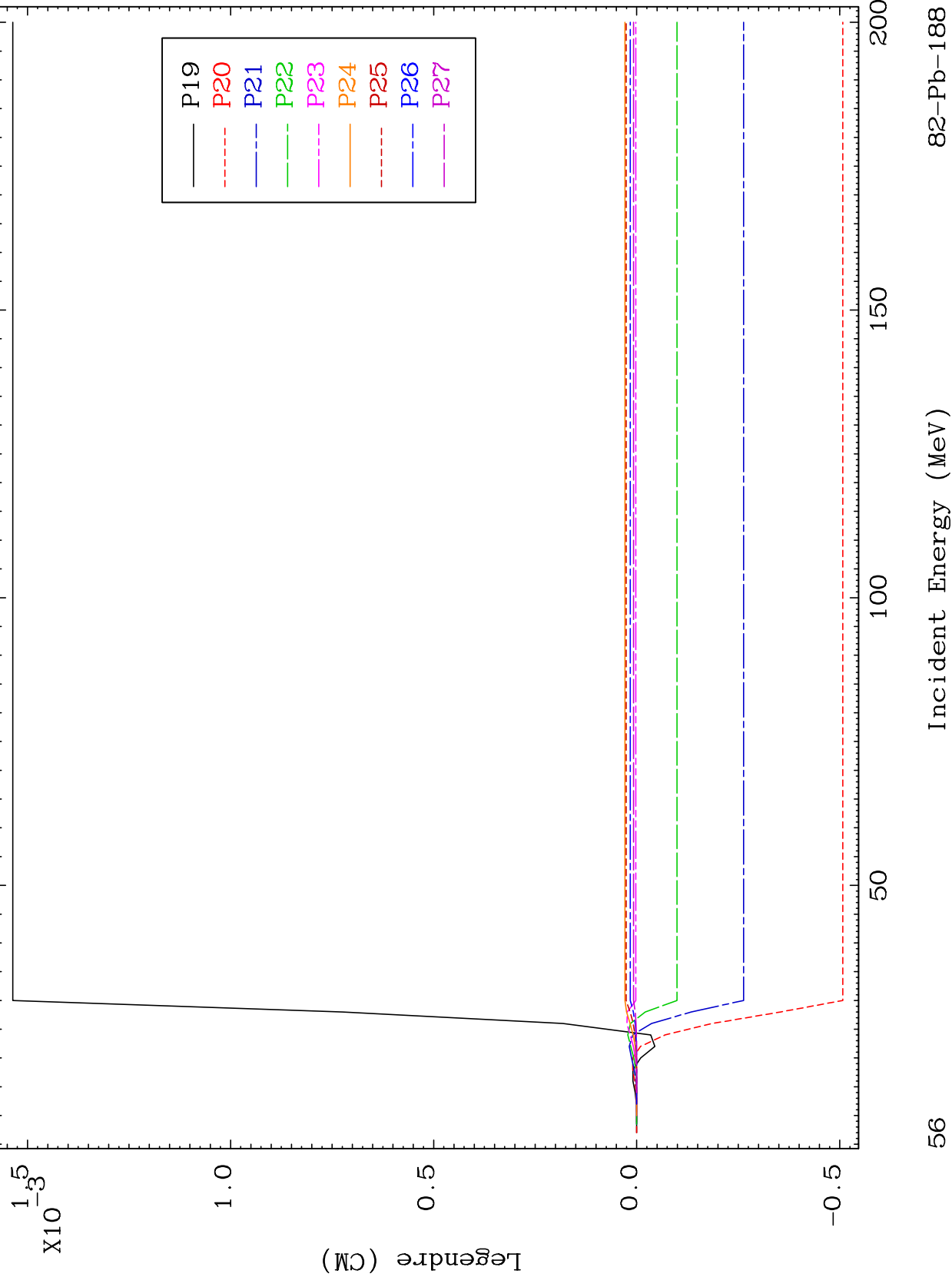
54



MAT 8177

MT= 60 (n,n') Level
Legendre Coefficients

82-Pb-188



56

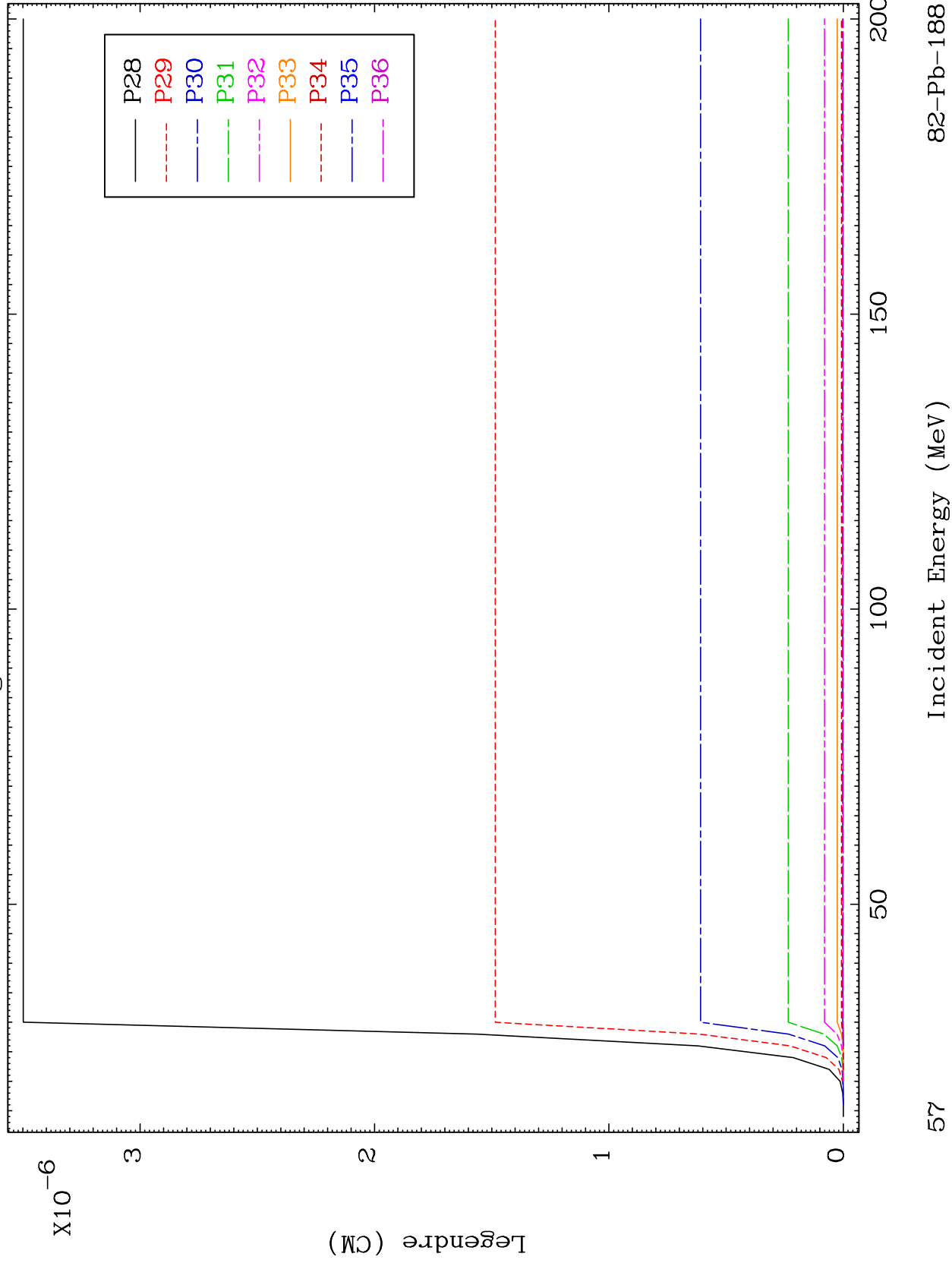
Incident Energy (MeV)

82-Pb-188

MAT 8177

MT= 60 (n,n') Level
Legendre Coefficients

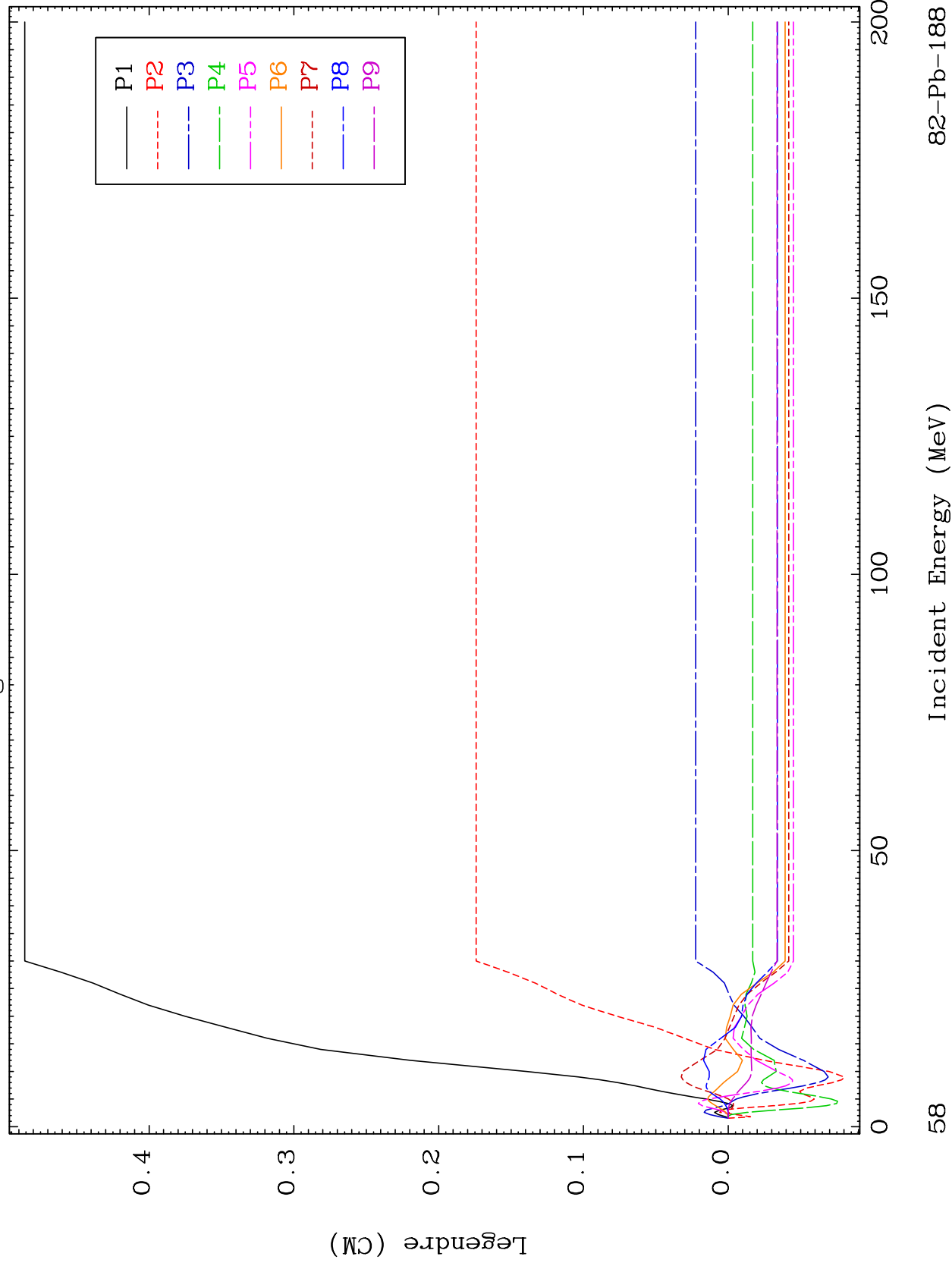
82-Pb-188



MAT 8177

MT= 61 (n,n') Level
Legendre Coefficients

82-Pb-188



82-Pb-188

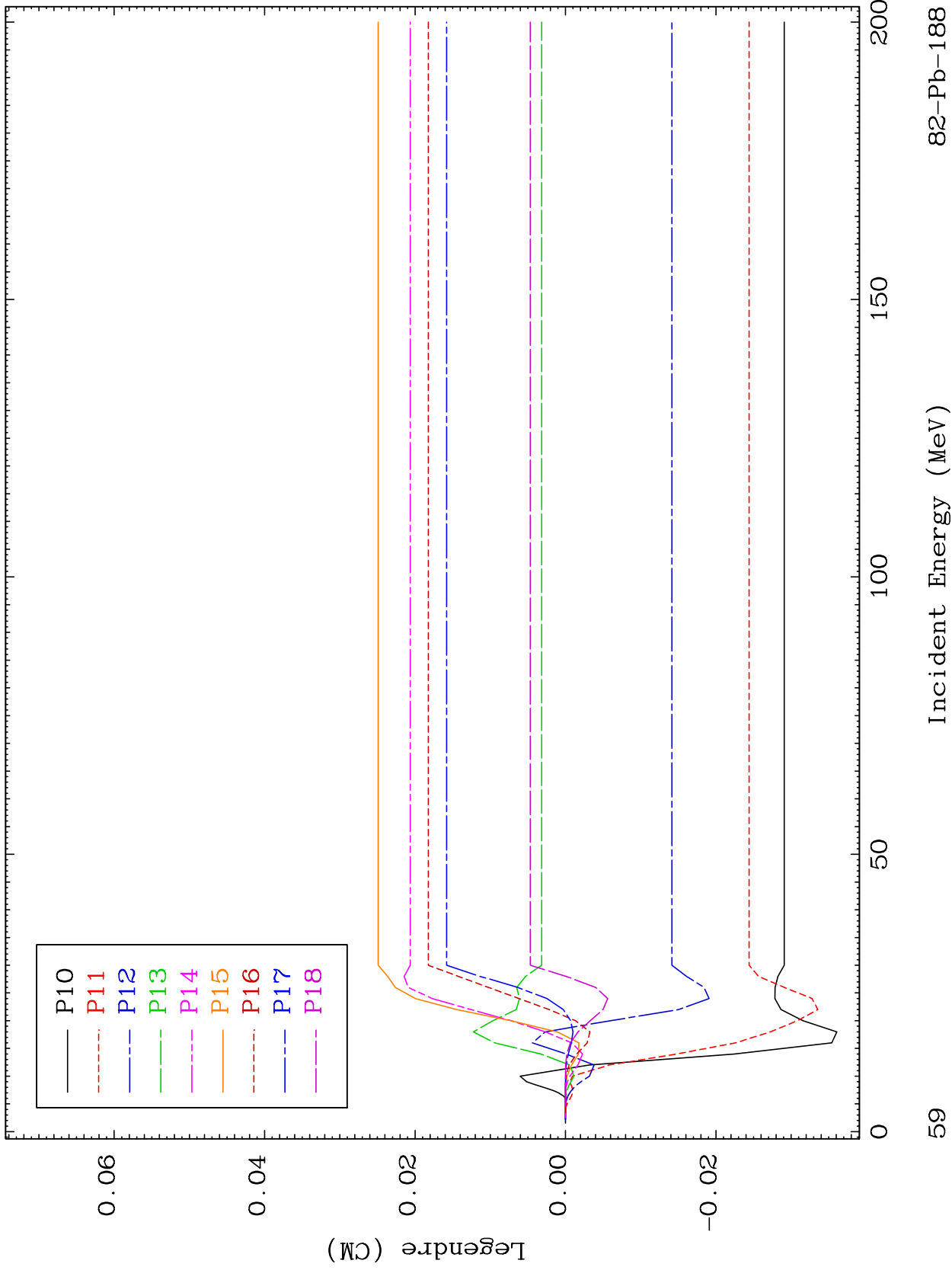
Incident Energy (MeV)

58

MAT 8177

MT= 61 (n,n') Level
Legendre Coefficients

82-Pb-188



59

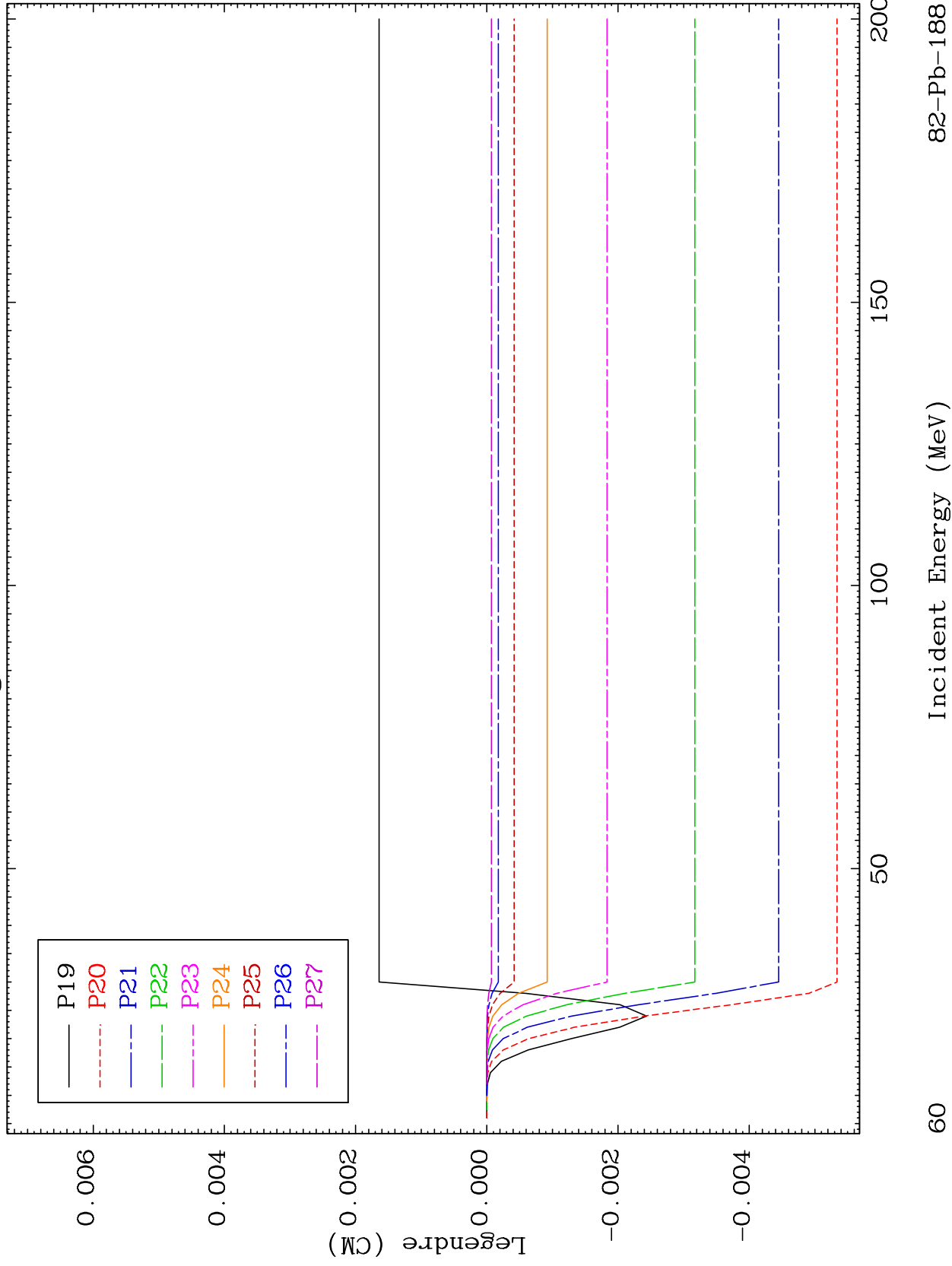
Incident Energy (MeV)

82-Pb-188

MAT 8177

MT= 61 (n,n') Level
Legendre Coefficients

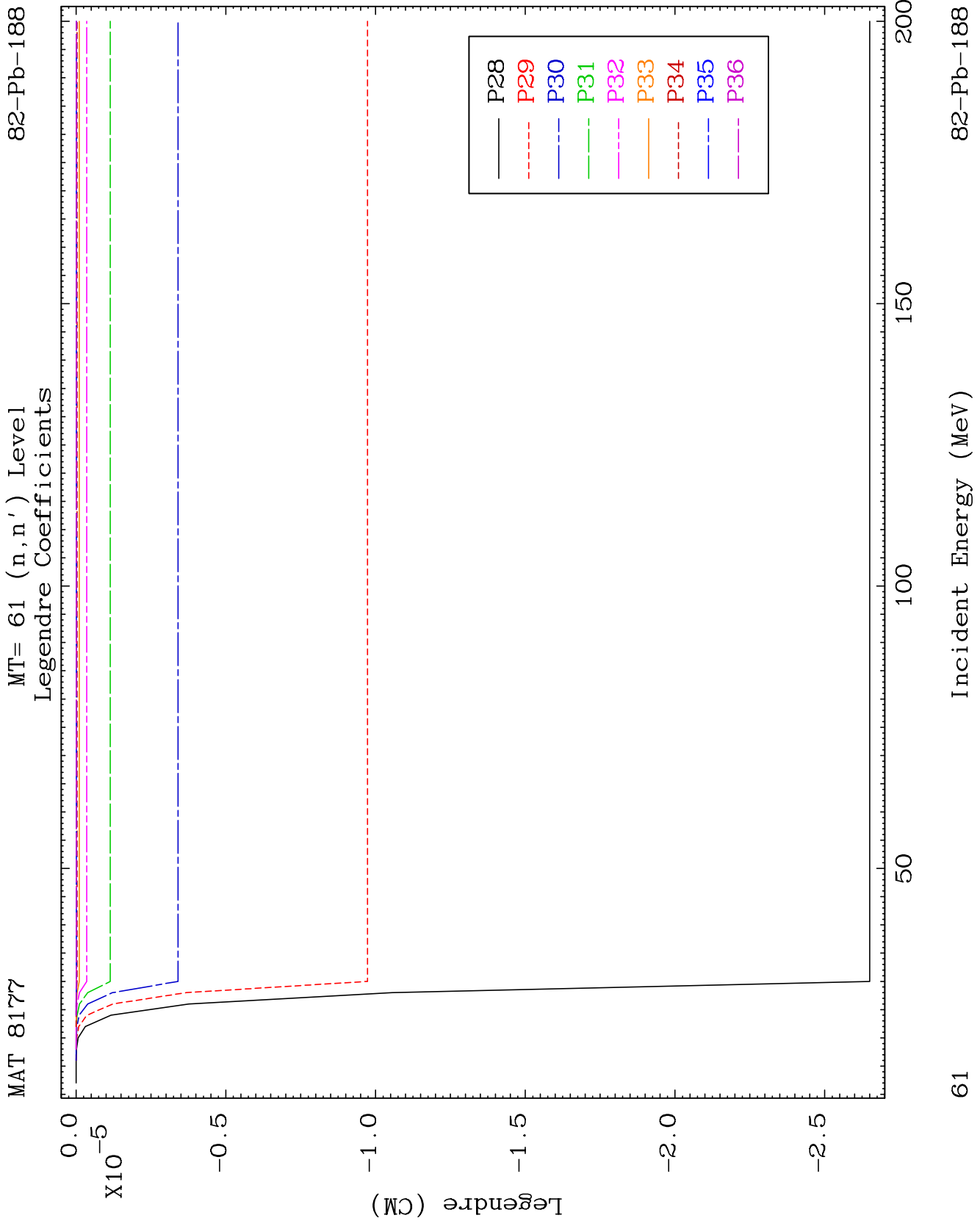
82-Pb-188



60

Incident Energy (MeV)

82-Pb-188

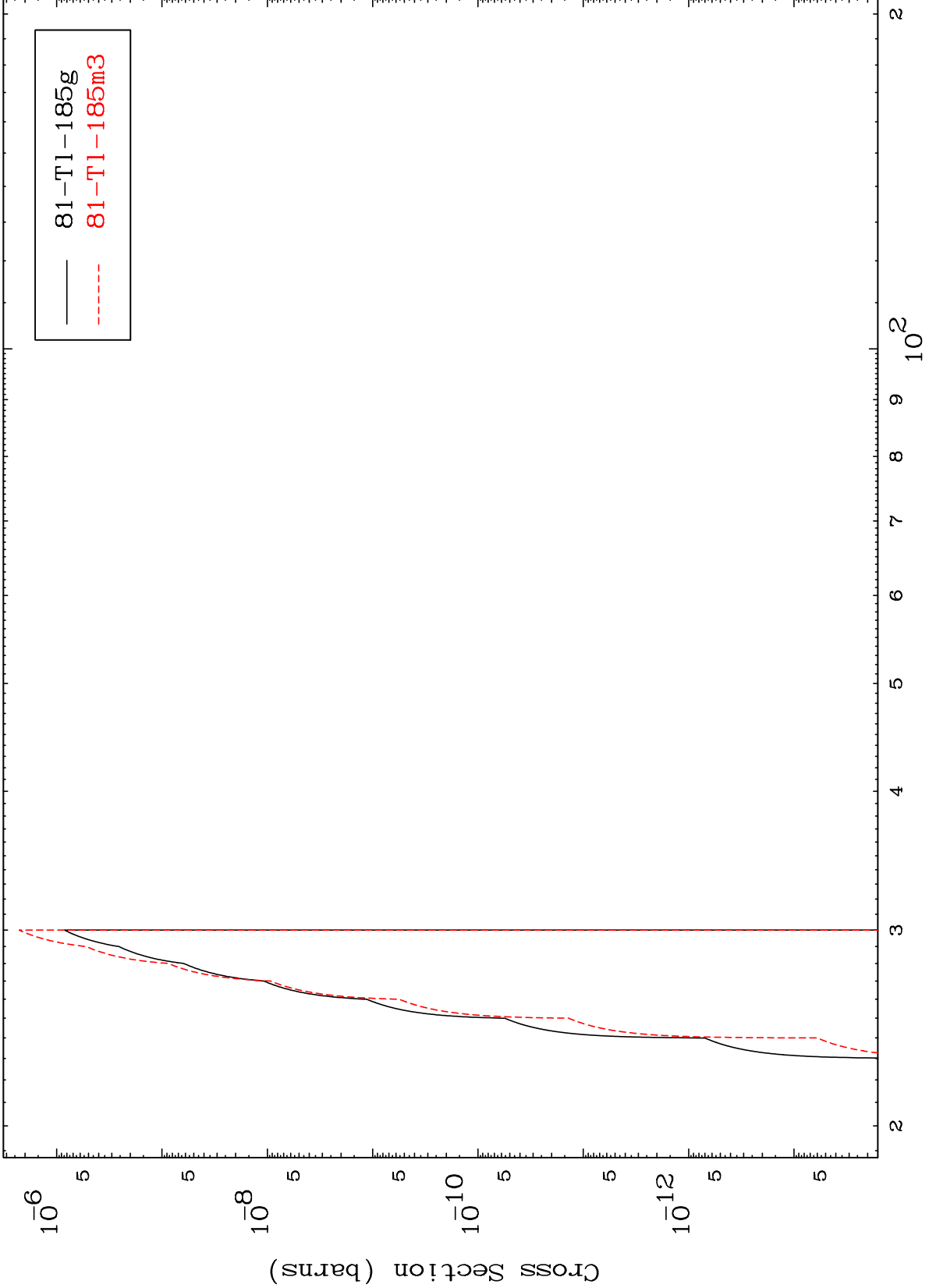


MAT 8177

(n,2n) d

82-Pb-188

Radionuclide Production Cross Section

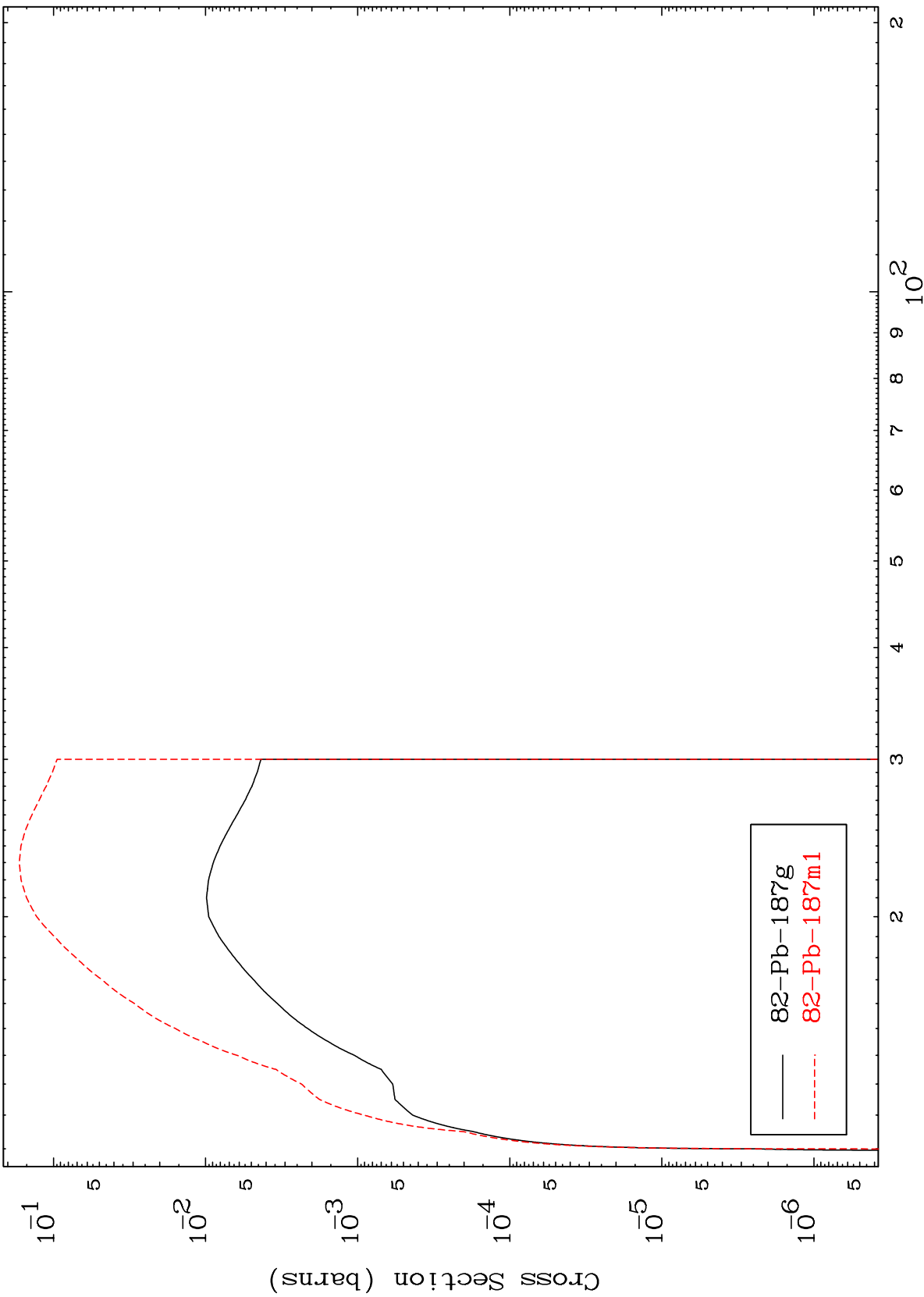


62

Incident Energy (MeV)

82-Pb-188

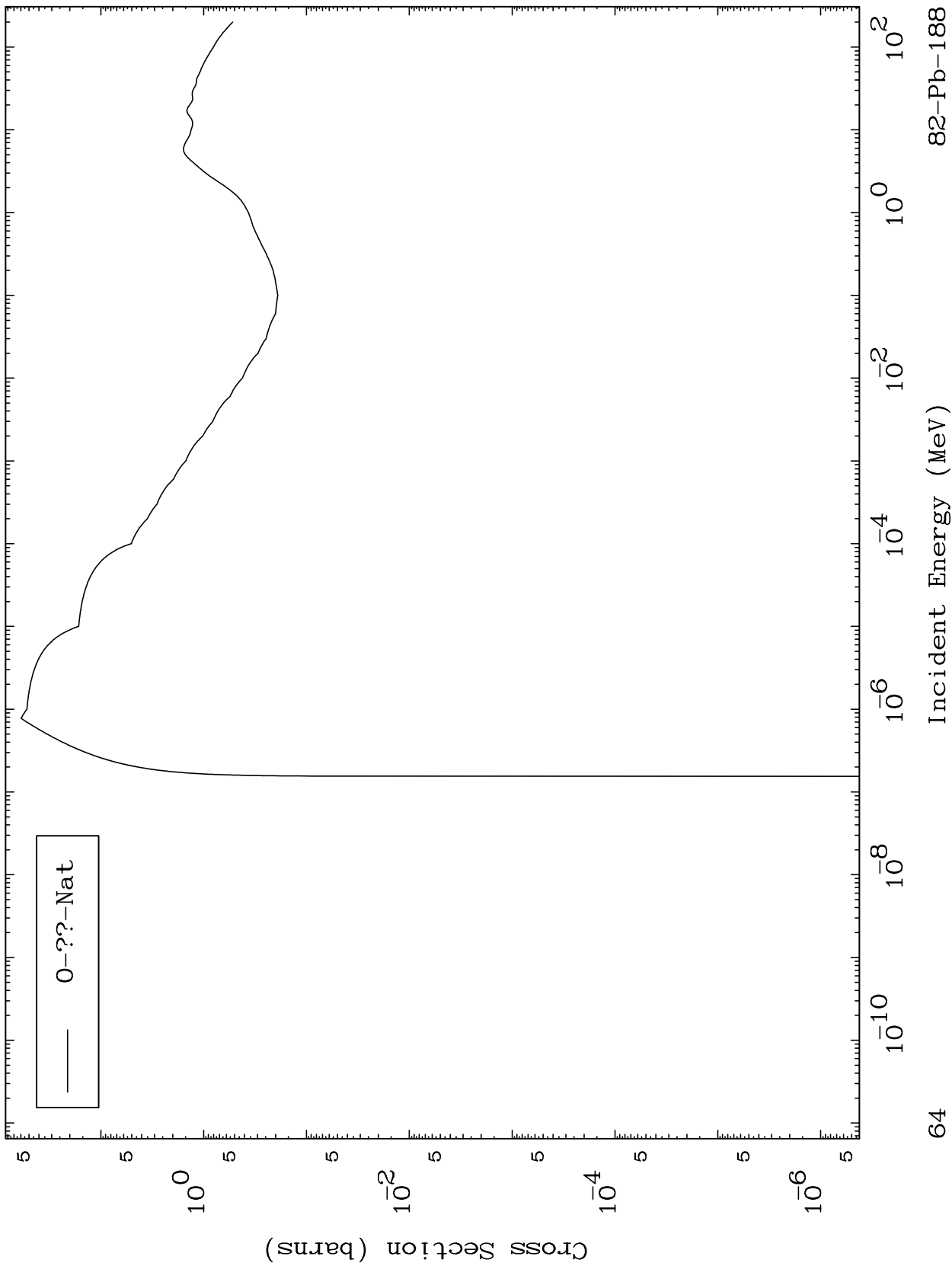
Radionuclide Production Cross Section (n,2n)



MAT 8177

82-Pb-188

Fission
Radionuclide Production Cross Section



64

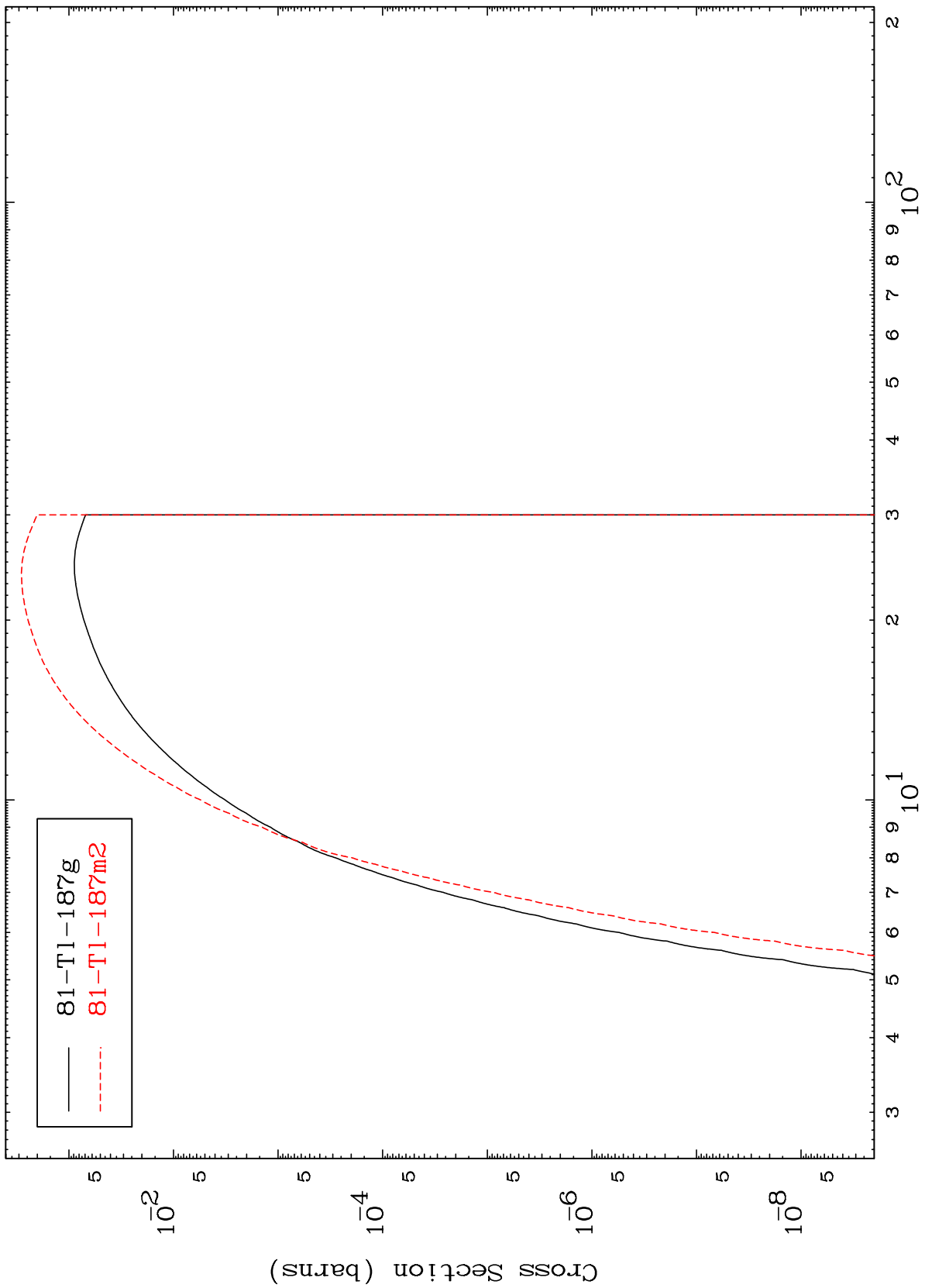
82-Pb-188

MAT 8177

(n,n') p

82-Pb-188

Radionuclide Production Cross Section

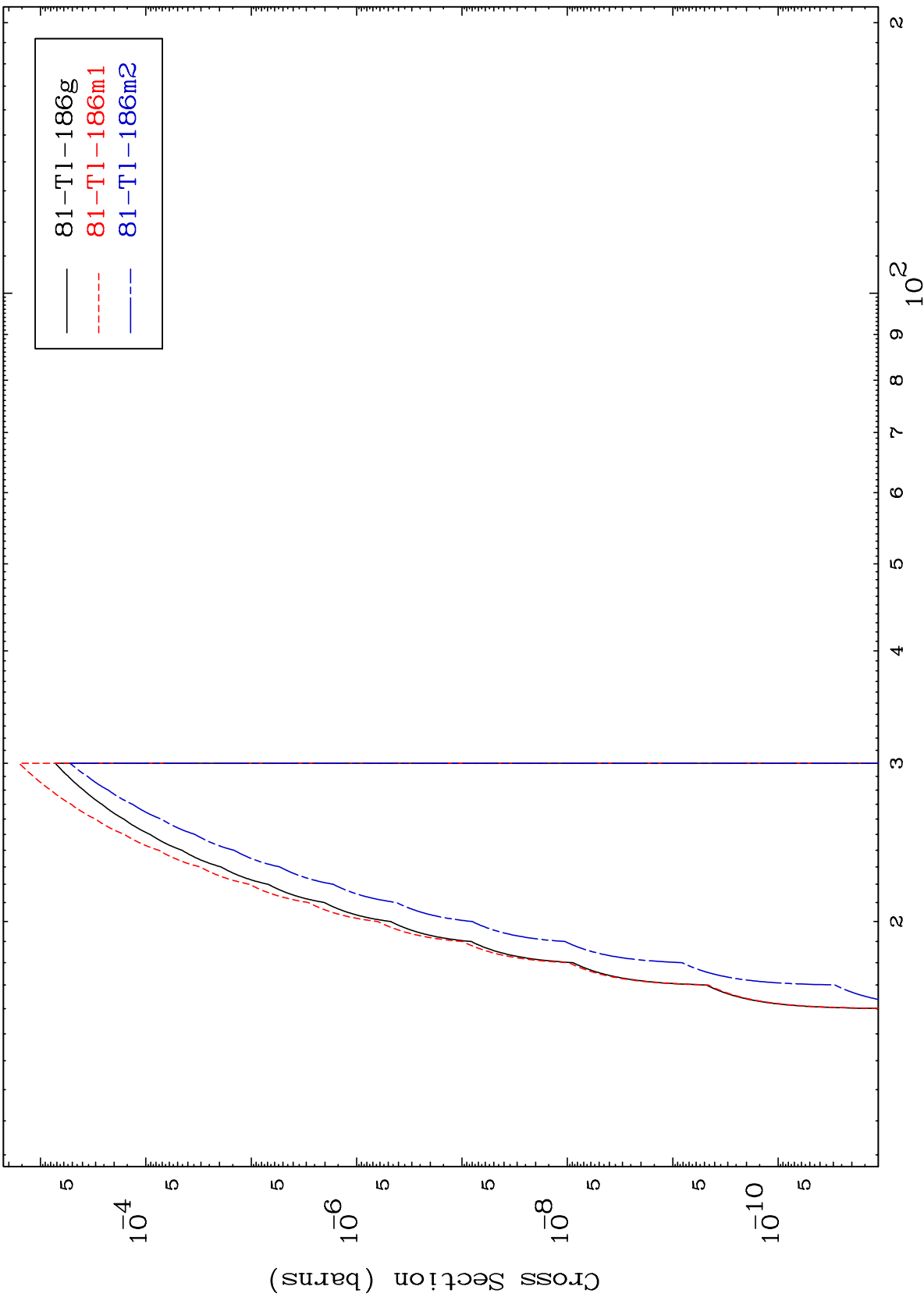


65

Incident Energy (MeV)

82-Pb-188

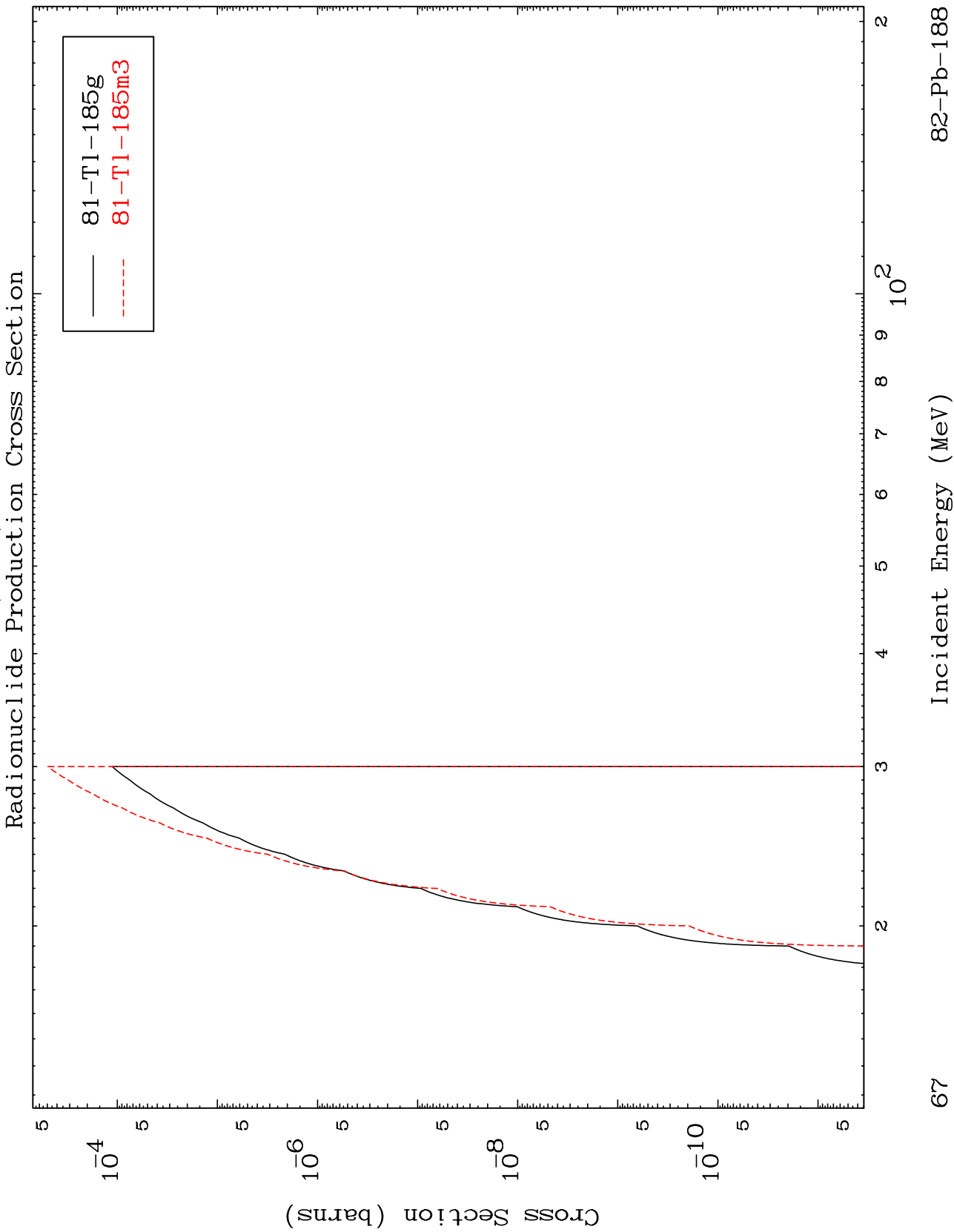
(n,n') d
Radionuclide Production Cross Section



MAT 8177

(n,n') t

82-Pb-188



67

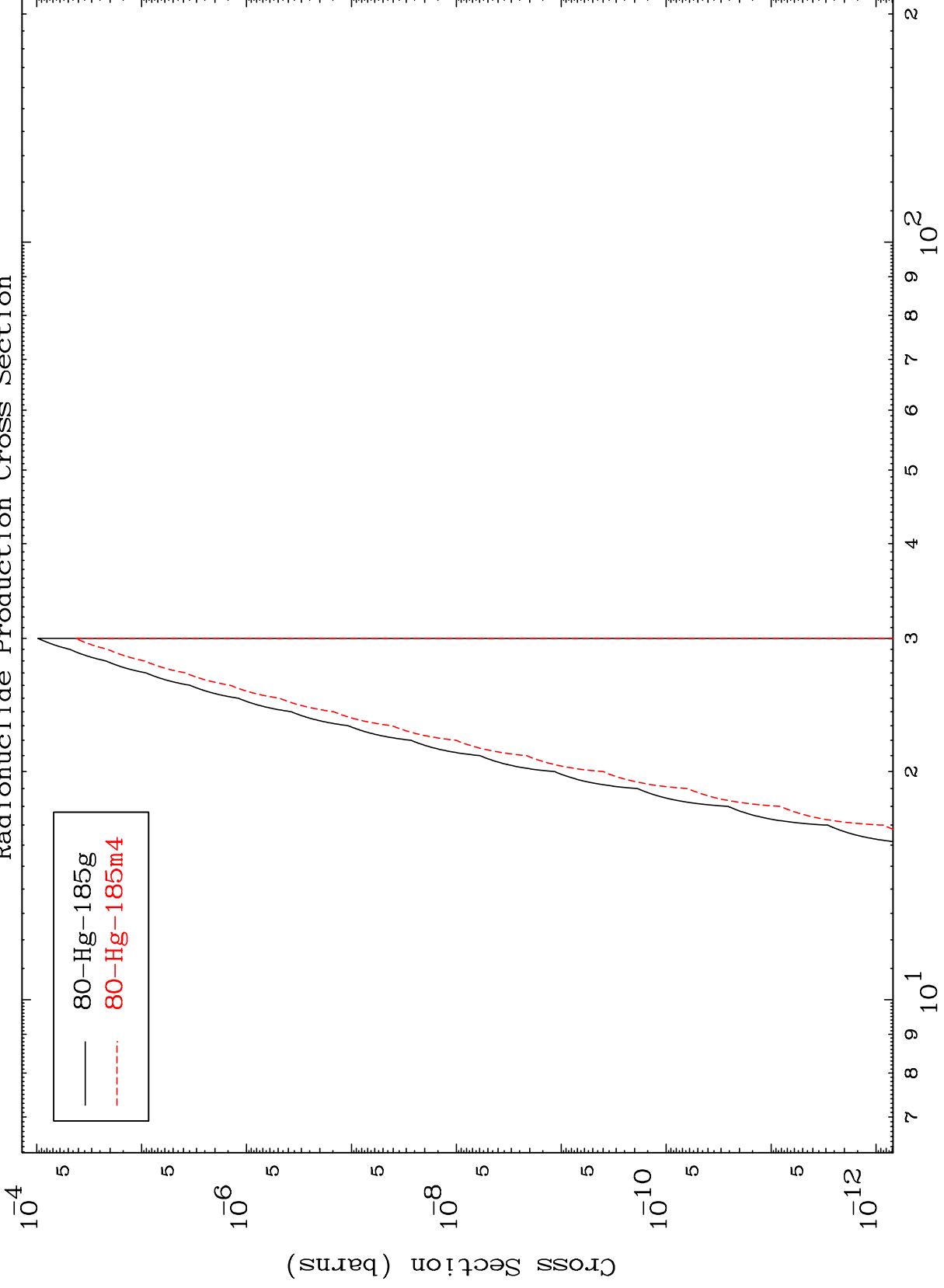
82-Pb-188

MAT 8177

(n,n') He-3

82-Pb-188

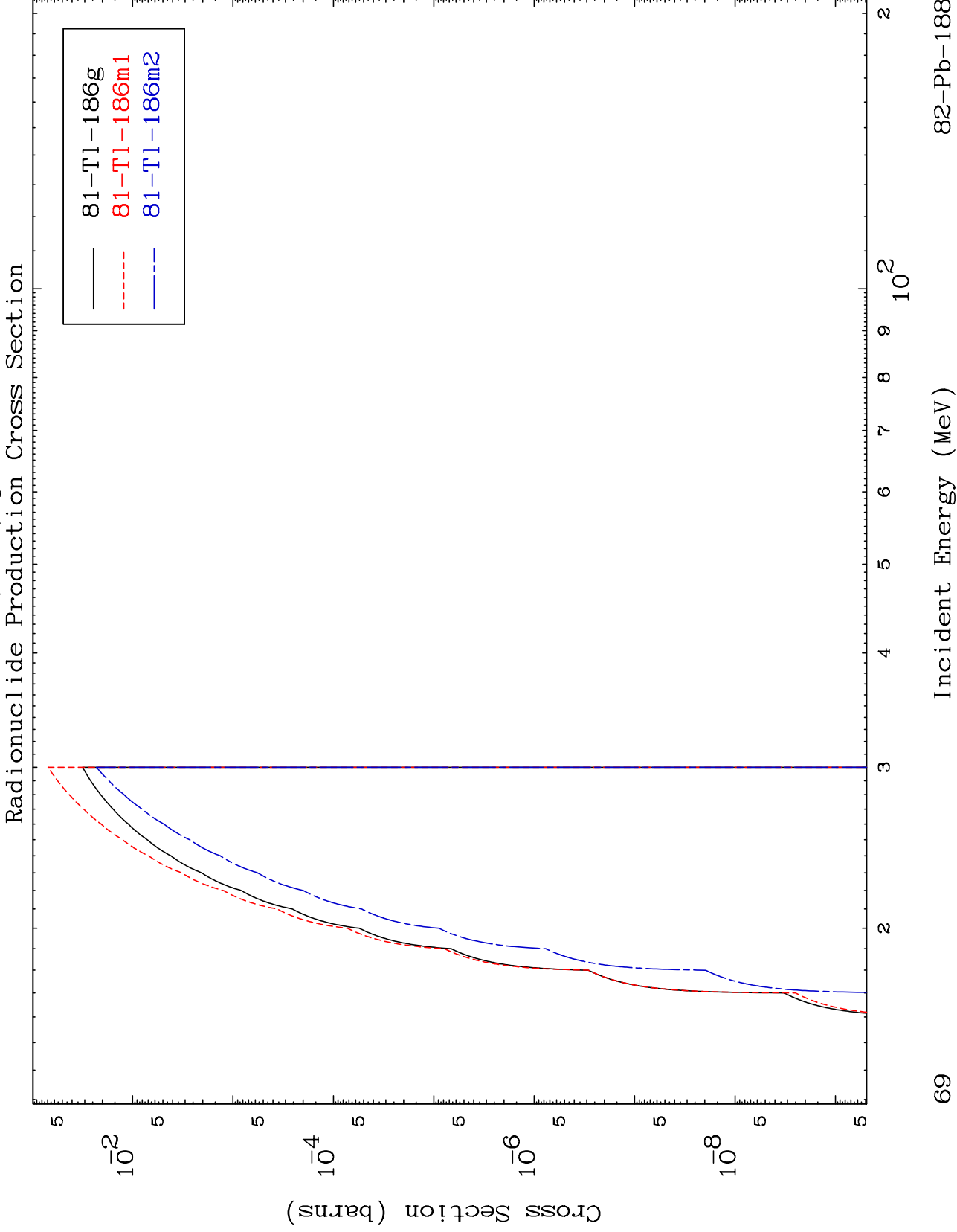
Radionuclide Production Cross Section



68

Incident Energy (MeV)

82-Pb-188

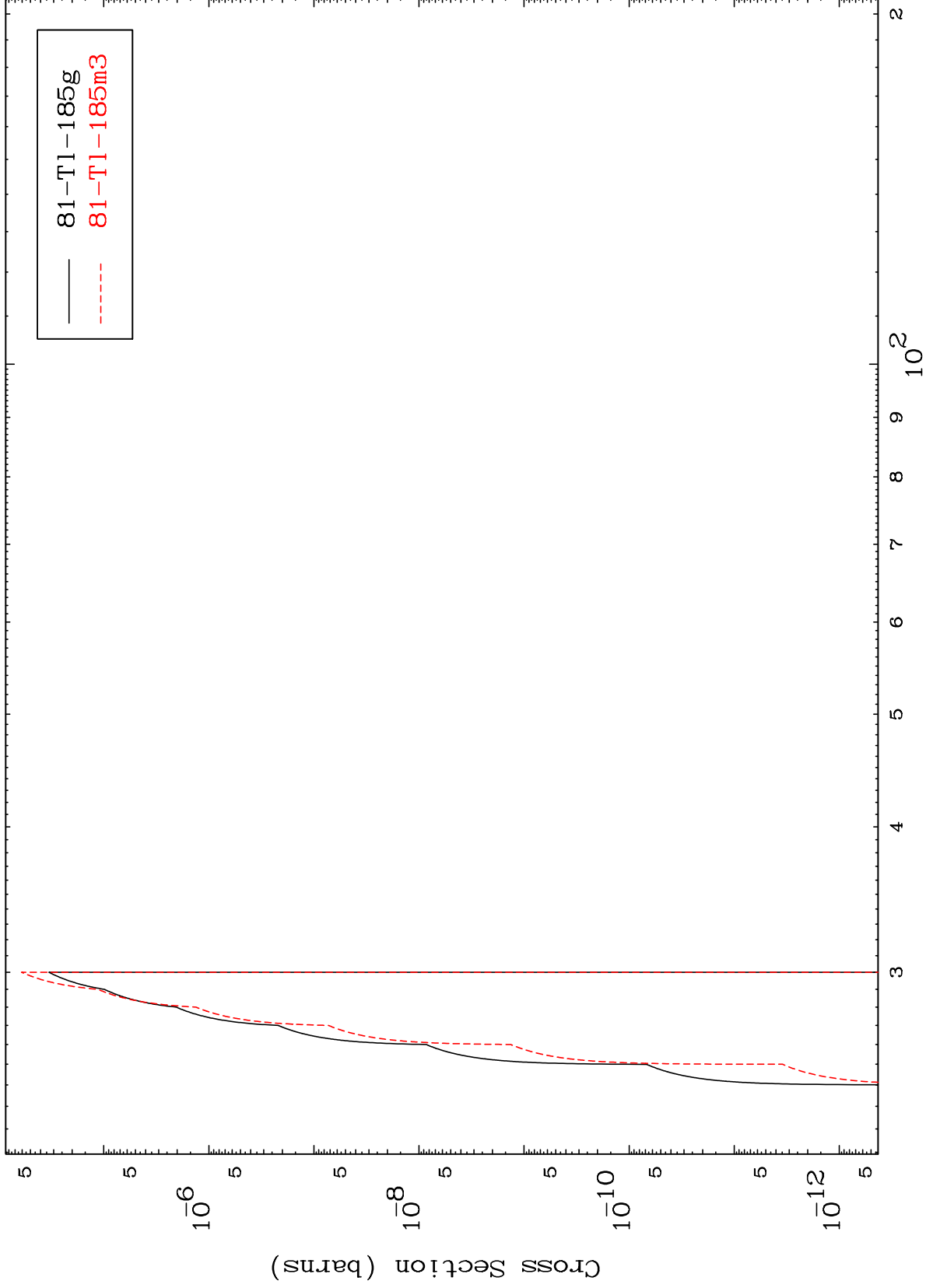


MAT 81777

(n,3n) p

82-Pb-188

Radionuclide Production Cross Section



70

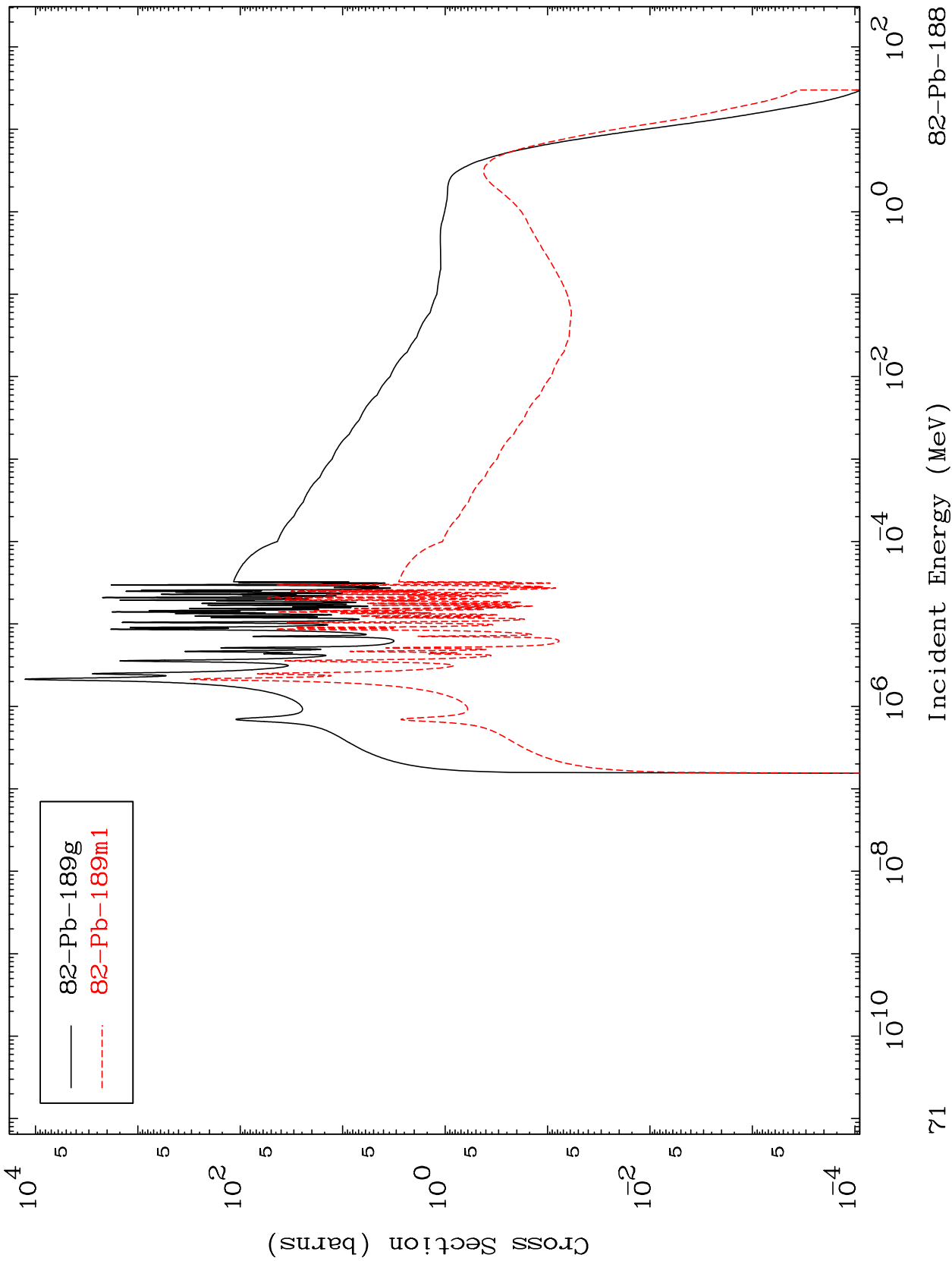
Incident Energy (MeV)

82-Pb-188

MAT 8177

82-Pb-188

Radionuclide Production Cross Section
(n, γ)



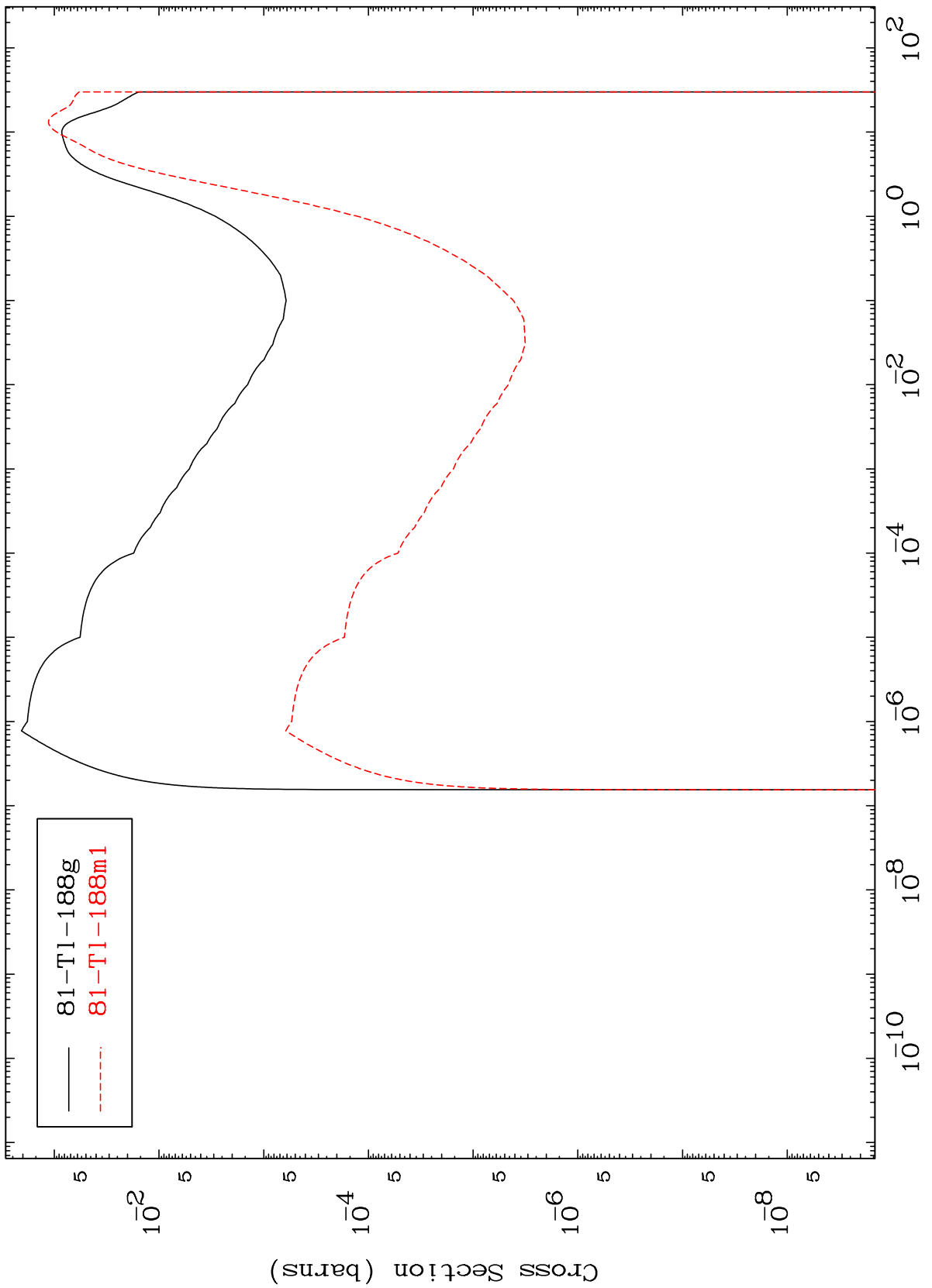
71

82-Pb-188

MAT 8177

82-Pb-188

(n,p)
Radionuclide Production Cross Section



81-Tl-188g
81-Tl-188m1

82-Pb-188

Incident Energy (MeV)

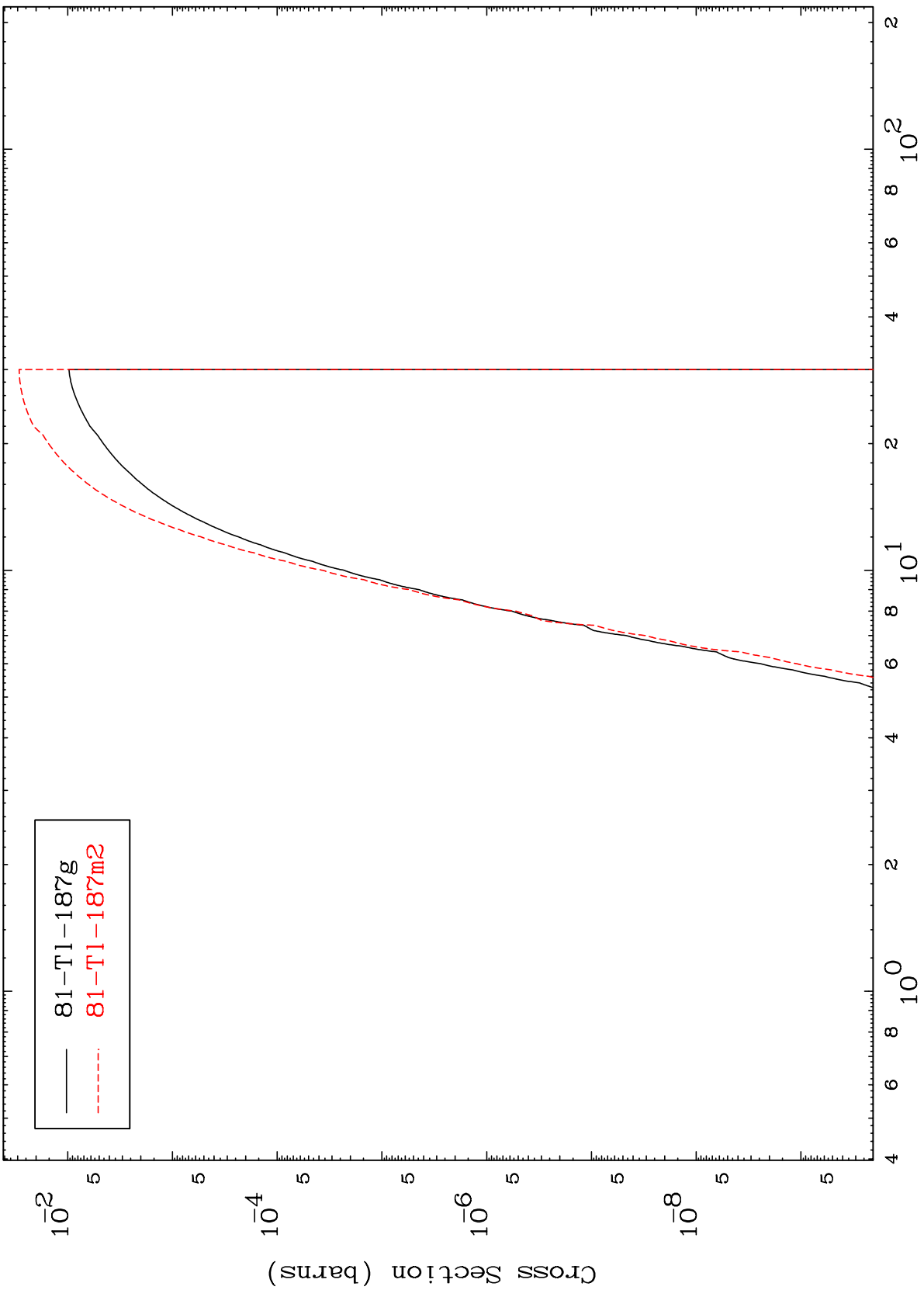
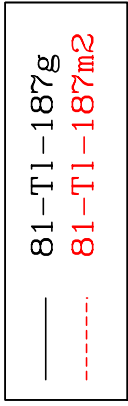
72

MAT 8177

(n,d)

82-Pb-188

Radionuclide Production Cross Section

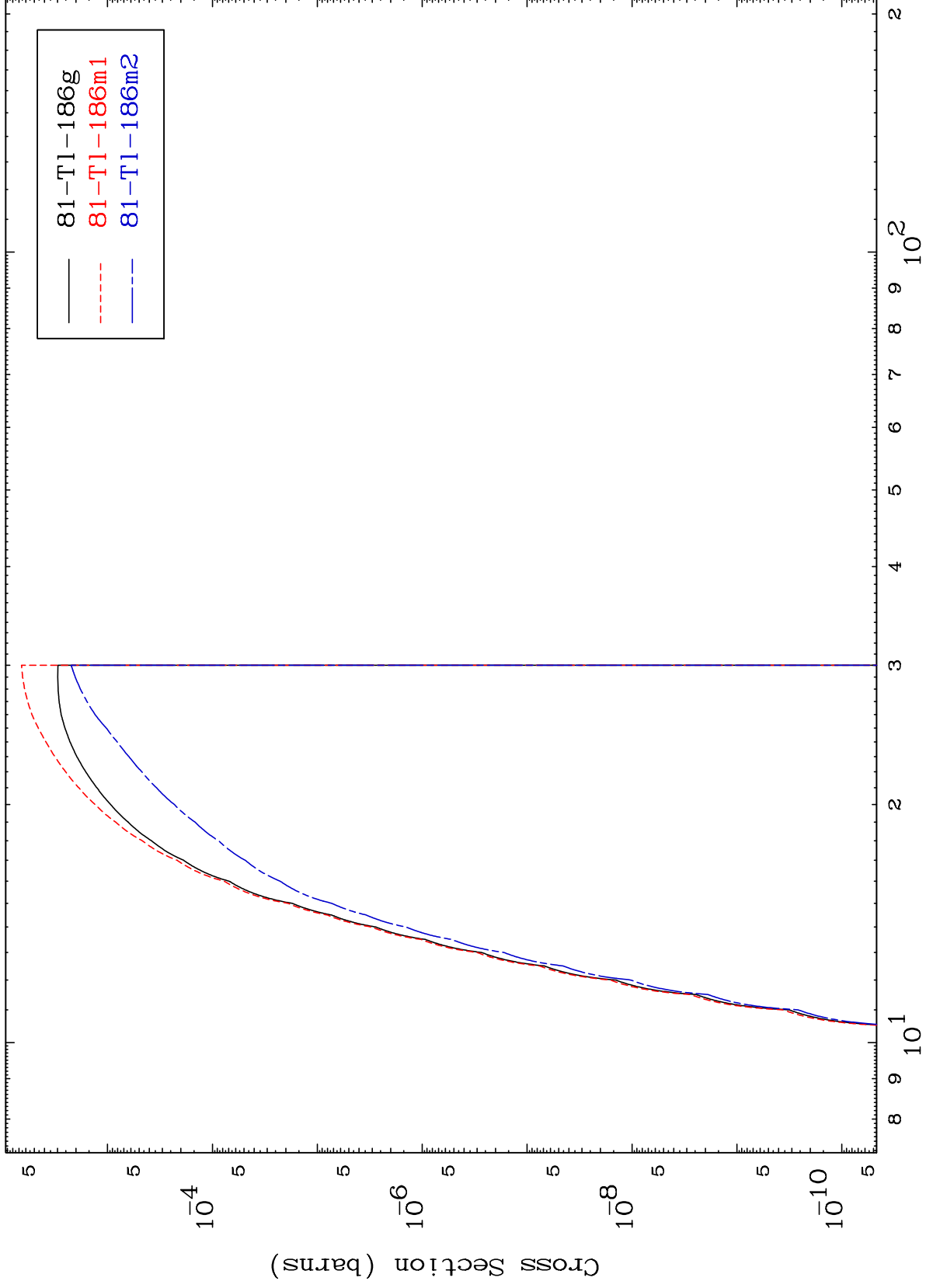


73

Incident Energy (MeV)

82-Pb-188

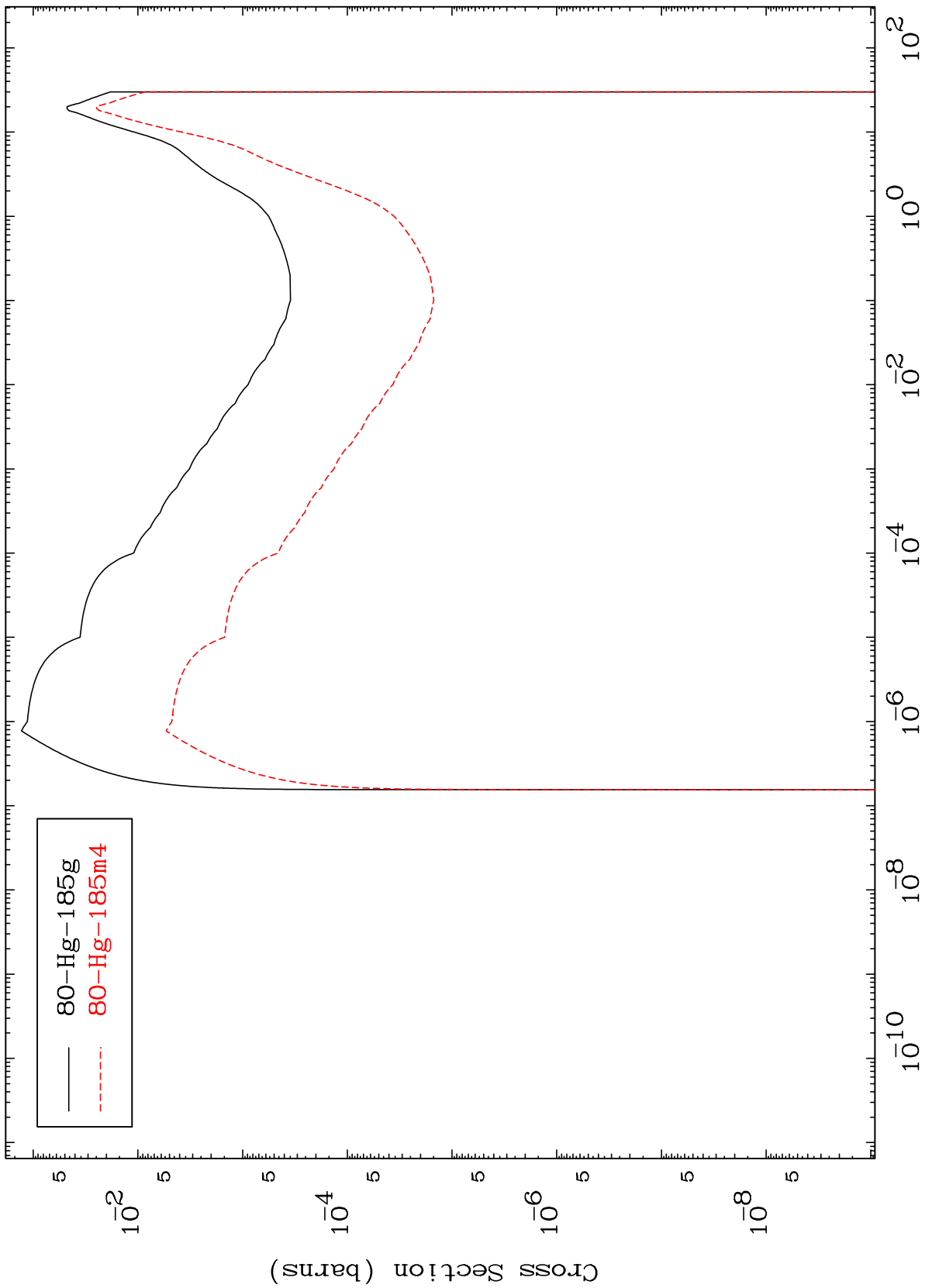
(n, t)
Radionuclide Production Cross Section



MAT 8177

82-Pb-188

Radionuclide Production Cross Section



— 80-Hg-185g
- - - 80-Hg-185m4

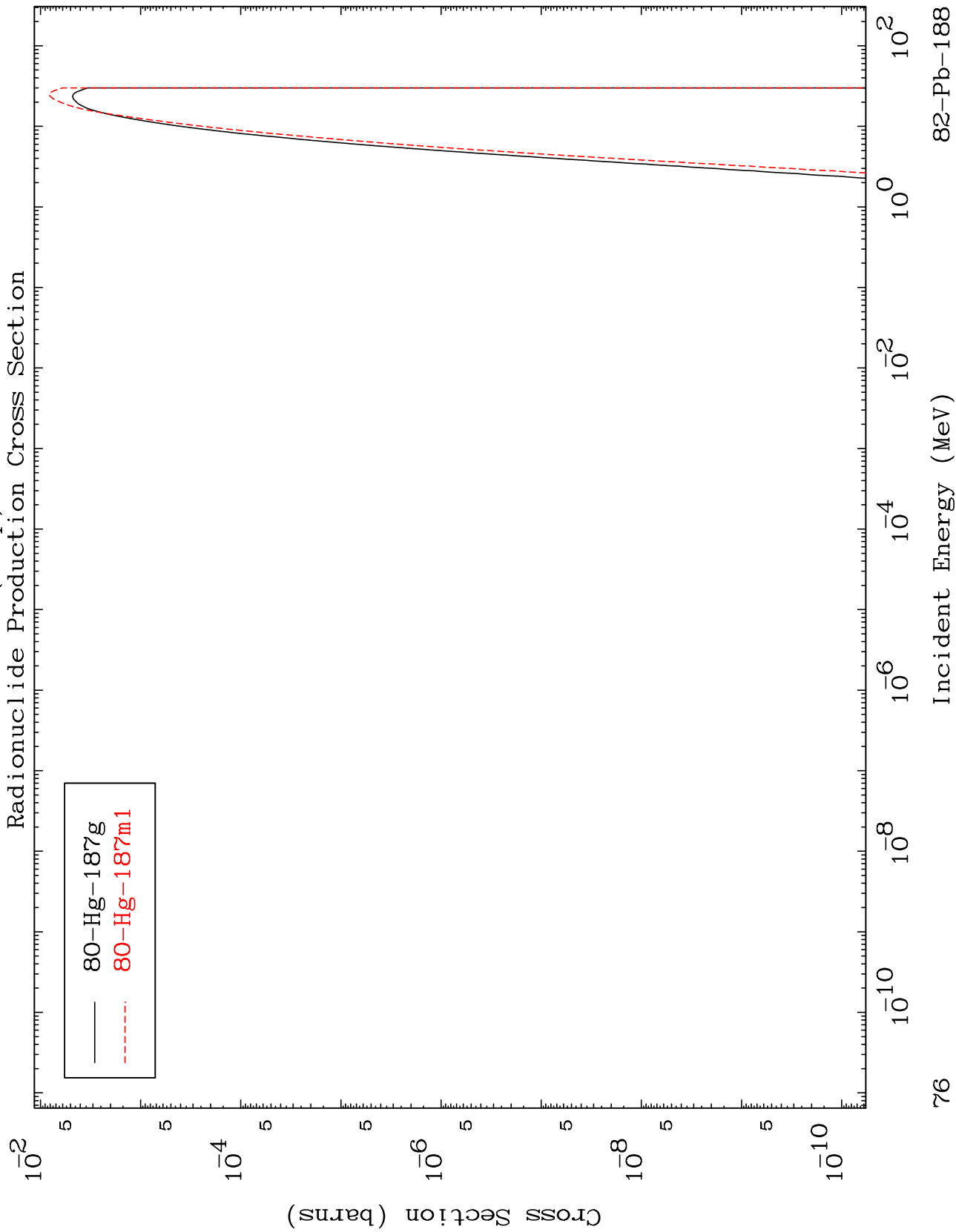
75

82-Pb-188

MAT 8177

82-Pb-188

(n,2p)
Radionuclide Production Cross Section



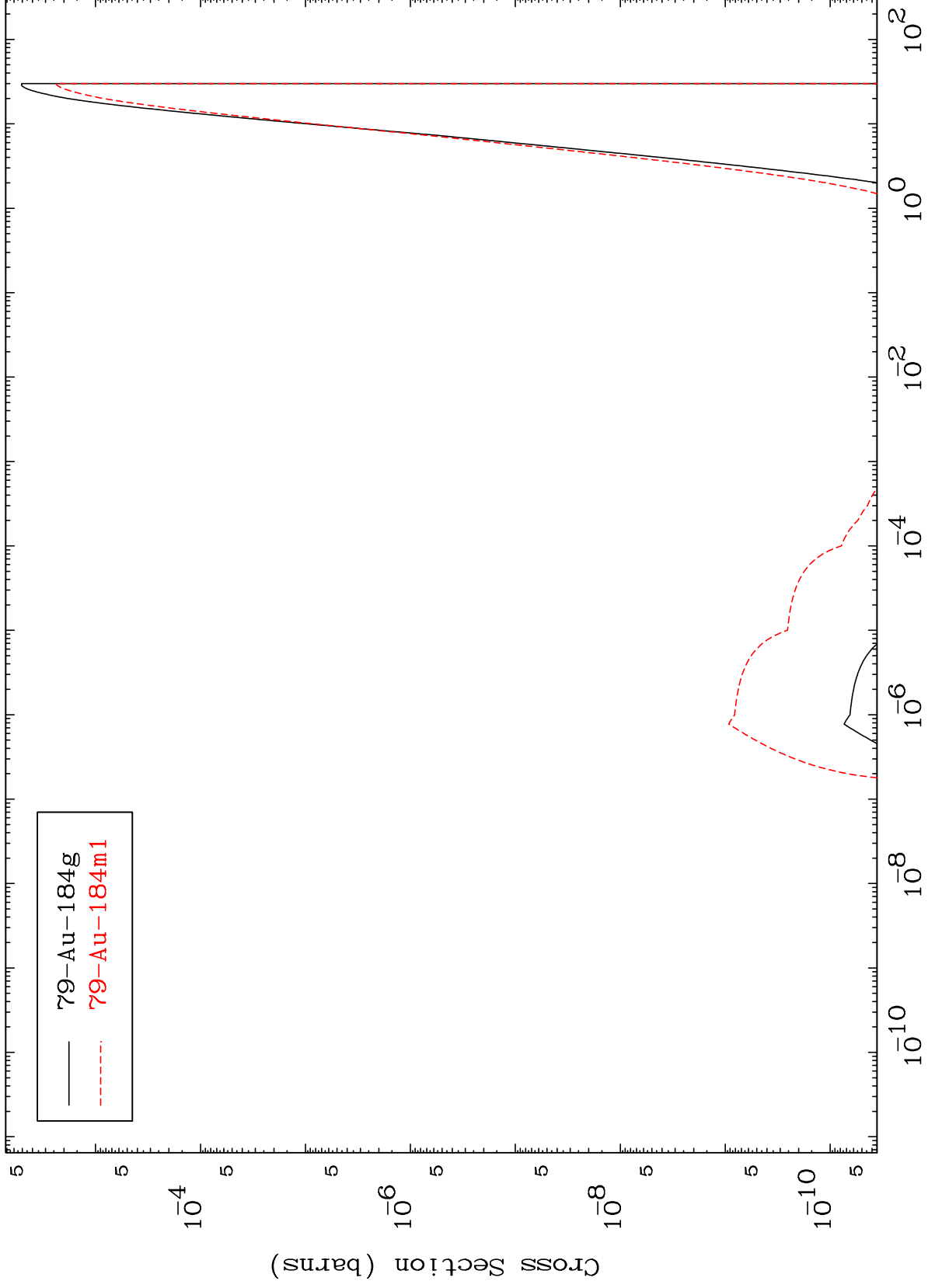
76

MAT 8177

(n,p) α

82-Pb-188

Radionuclide Production Cross Section



77

Incident Energy (MeV)

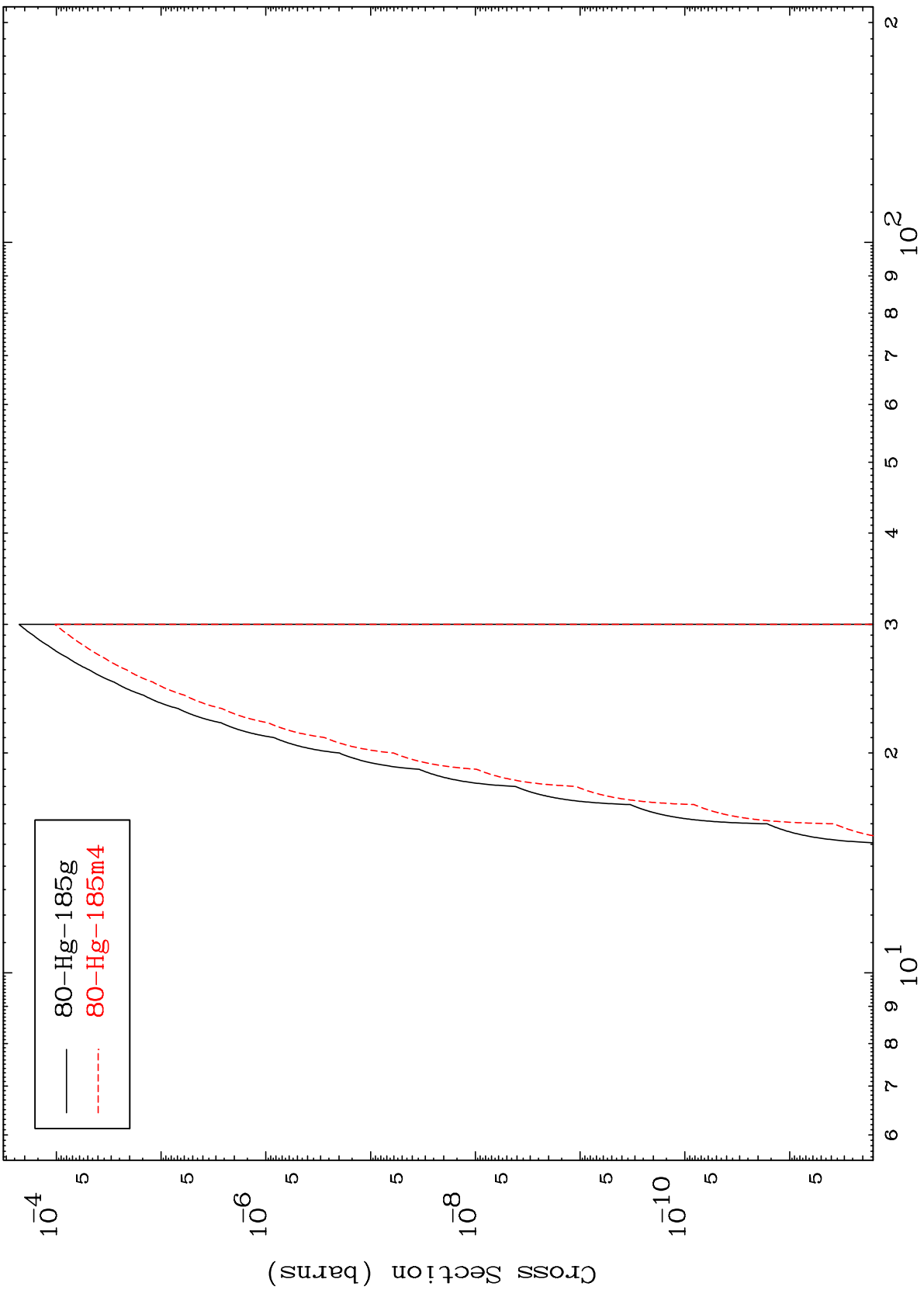
82-Pb-188

MAT 8177

(n,p) t

82-Pb-188

Radionuclide Production Cross Section



80-Hg-185g
80-Hg-185m4

78

Incident Energy (MeV)

82-Pb-188