

Program EVALPLOT
(Version 2021-1)

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

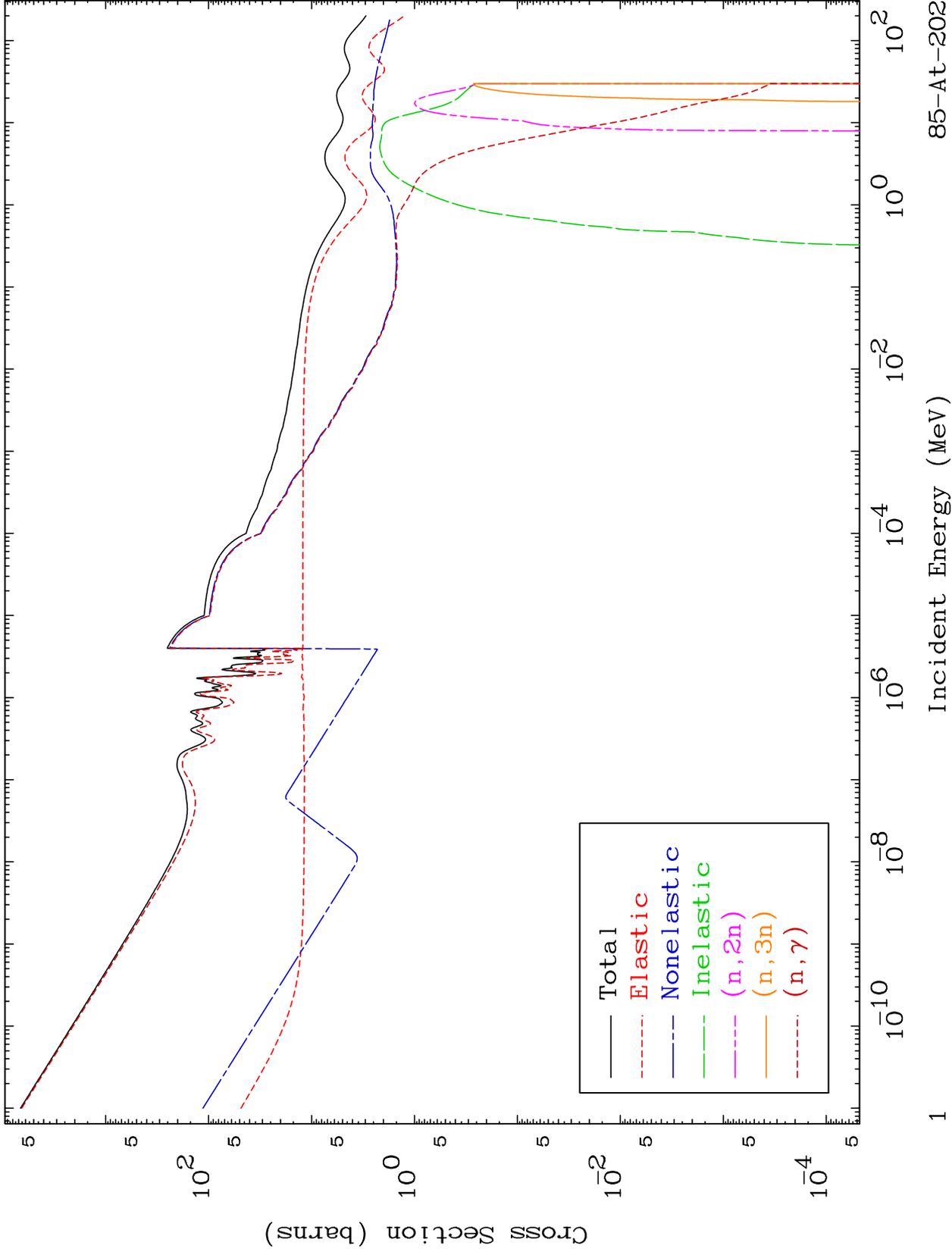
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Press Mouse Button to Start

MAT 8522

Neutron Major
293 Kelvin Cross Sections

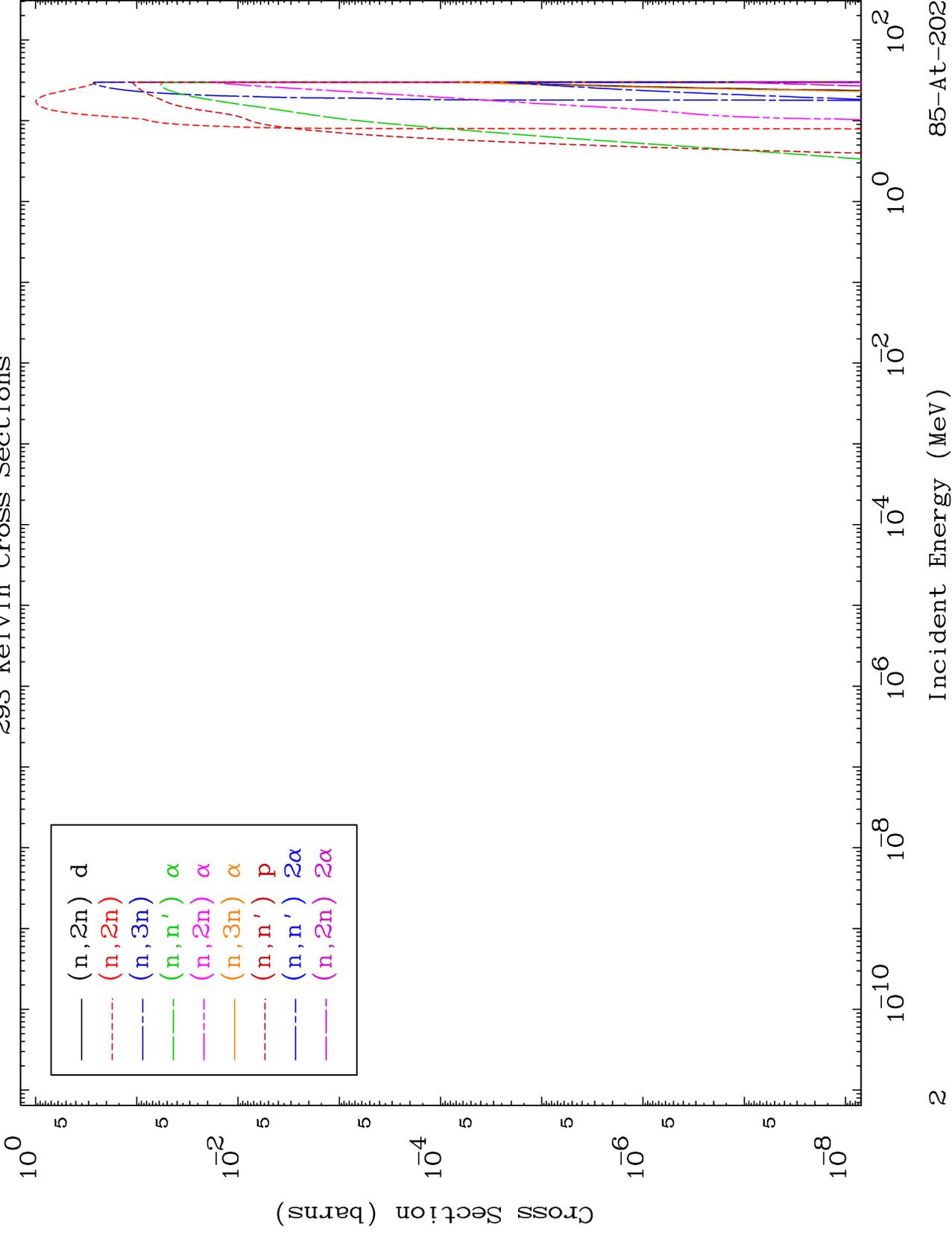
85-At-202



MAT 8522

Neutron Absorption
293 Kelvin Cross Sections

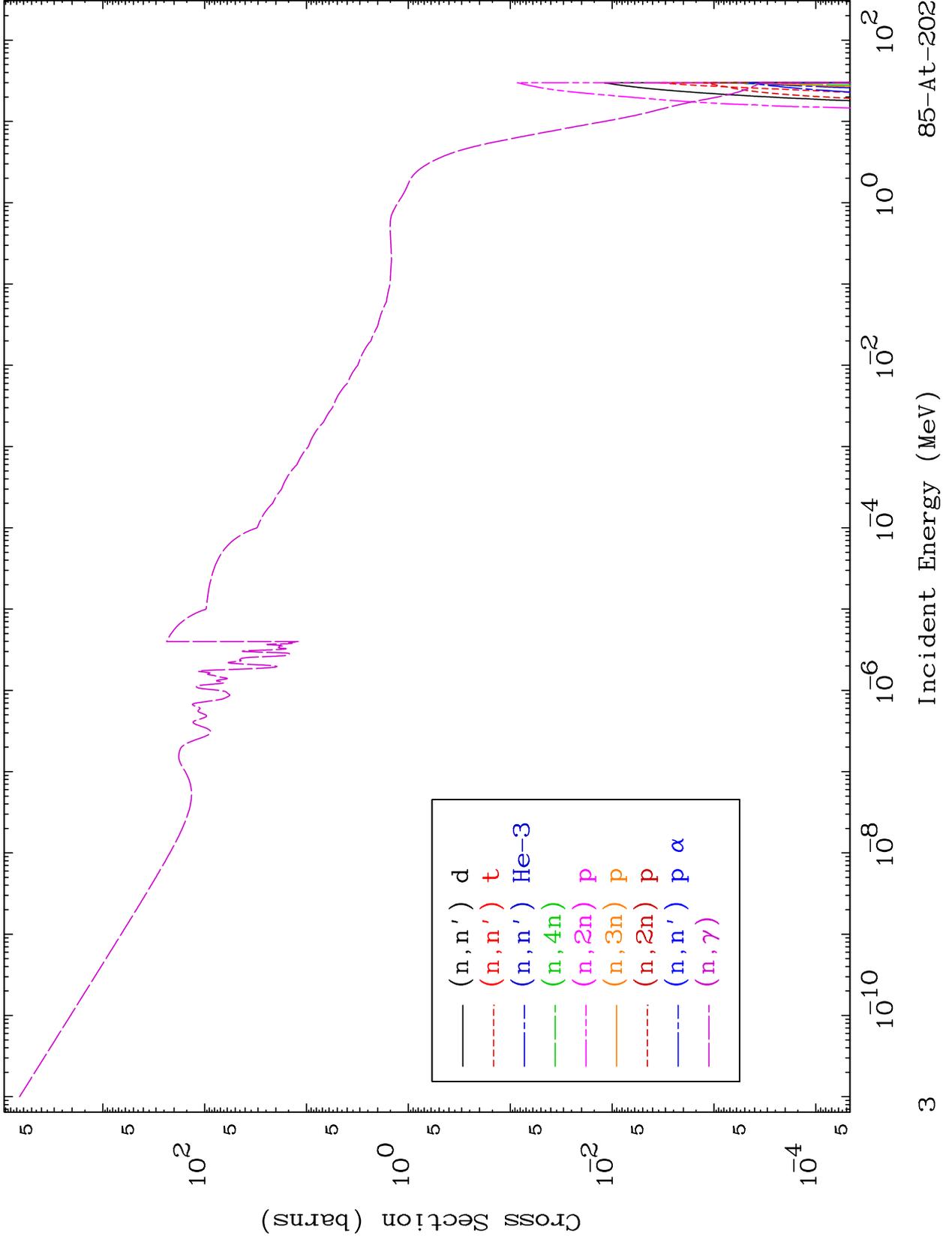
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MAT 85222

Neutron Absorption
293 Kelvin Cross Sections

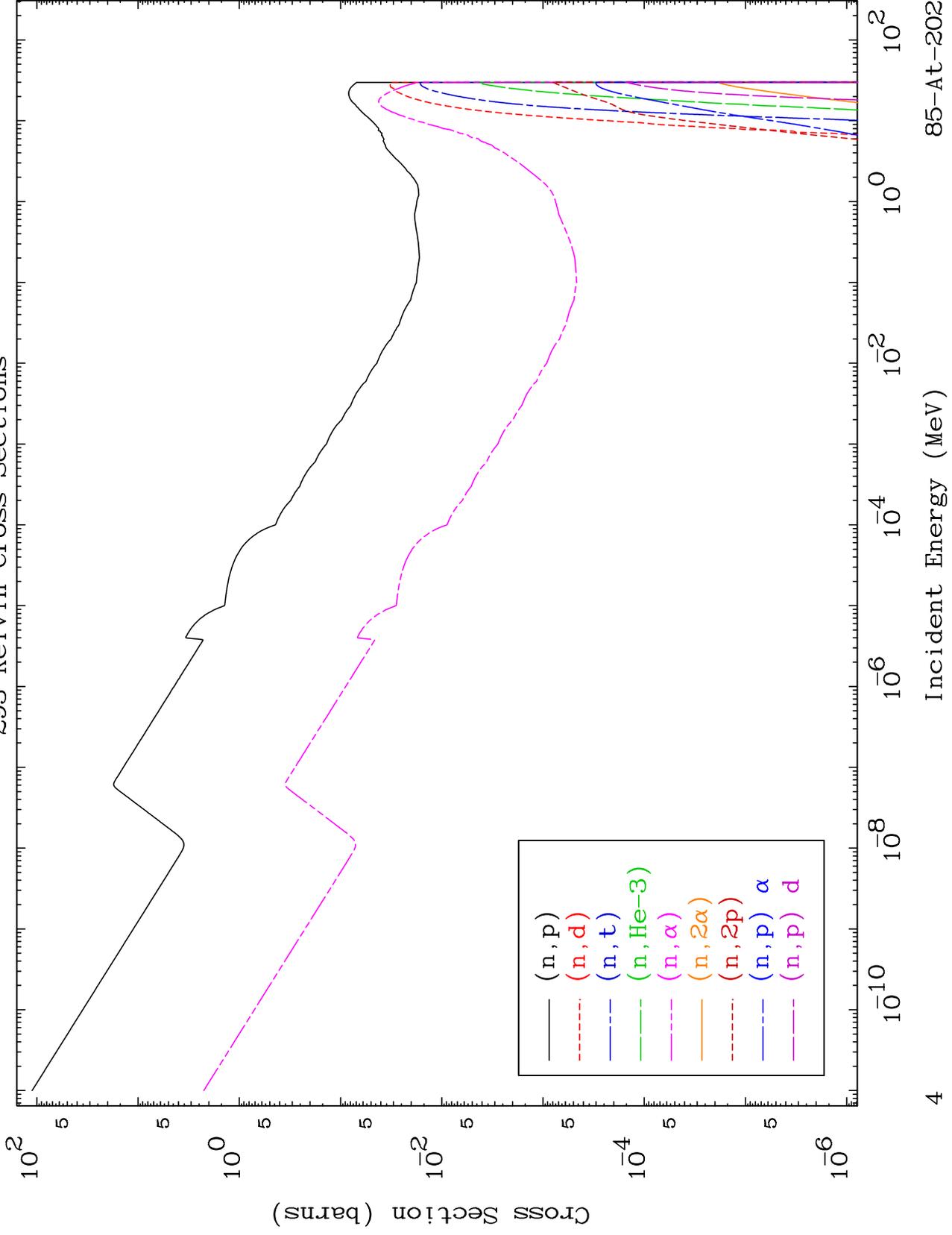
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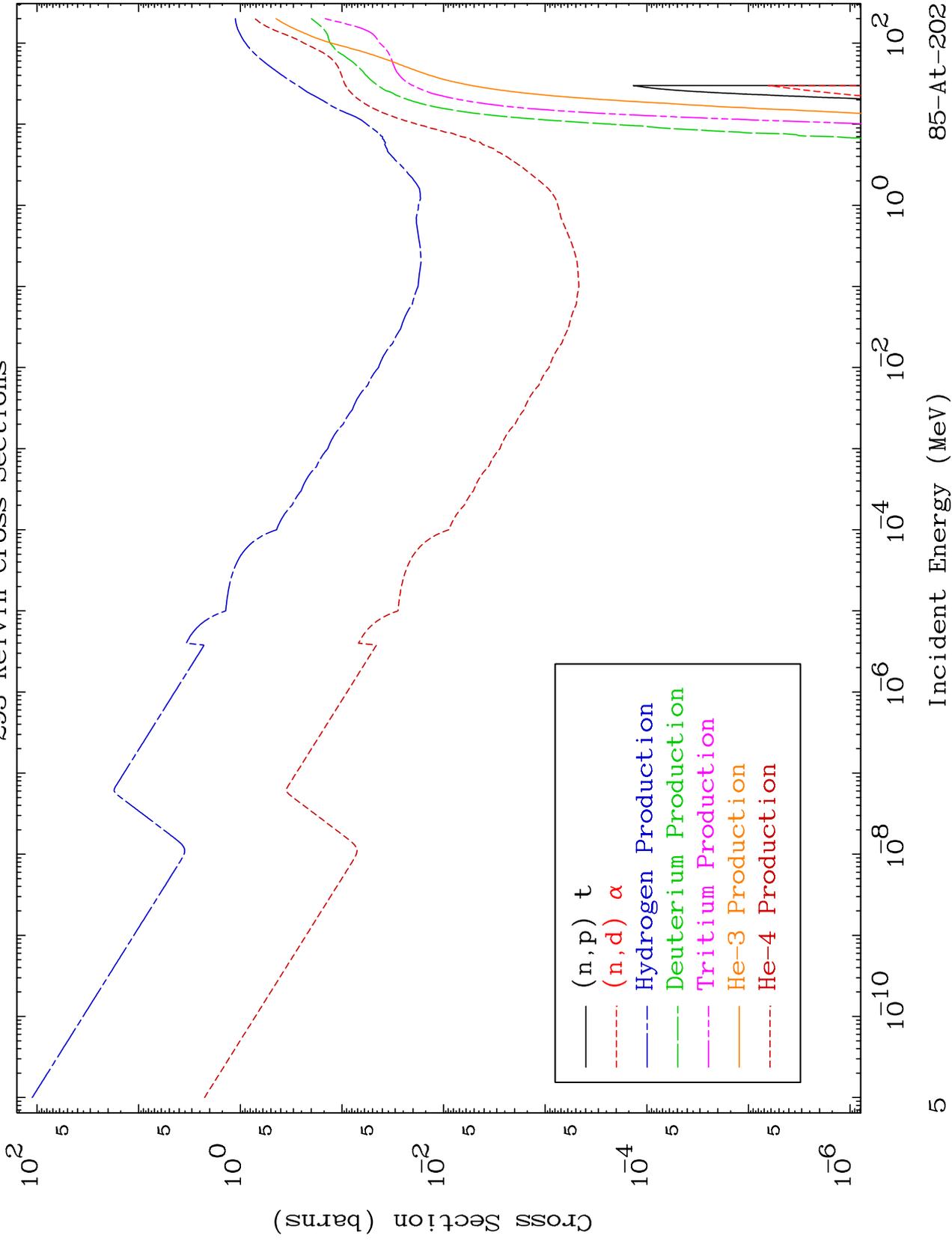


MAT 85222

Neutron Absorption
293 Kelvin Cross Sections

85-At-202

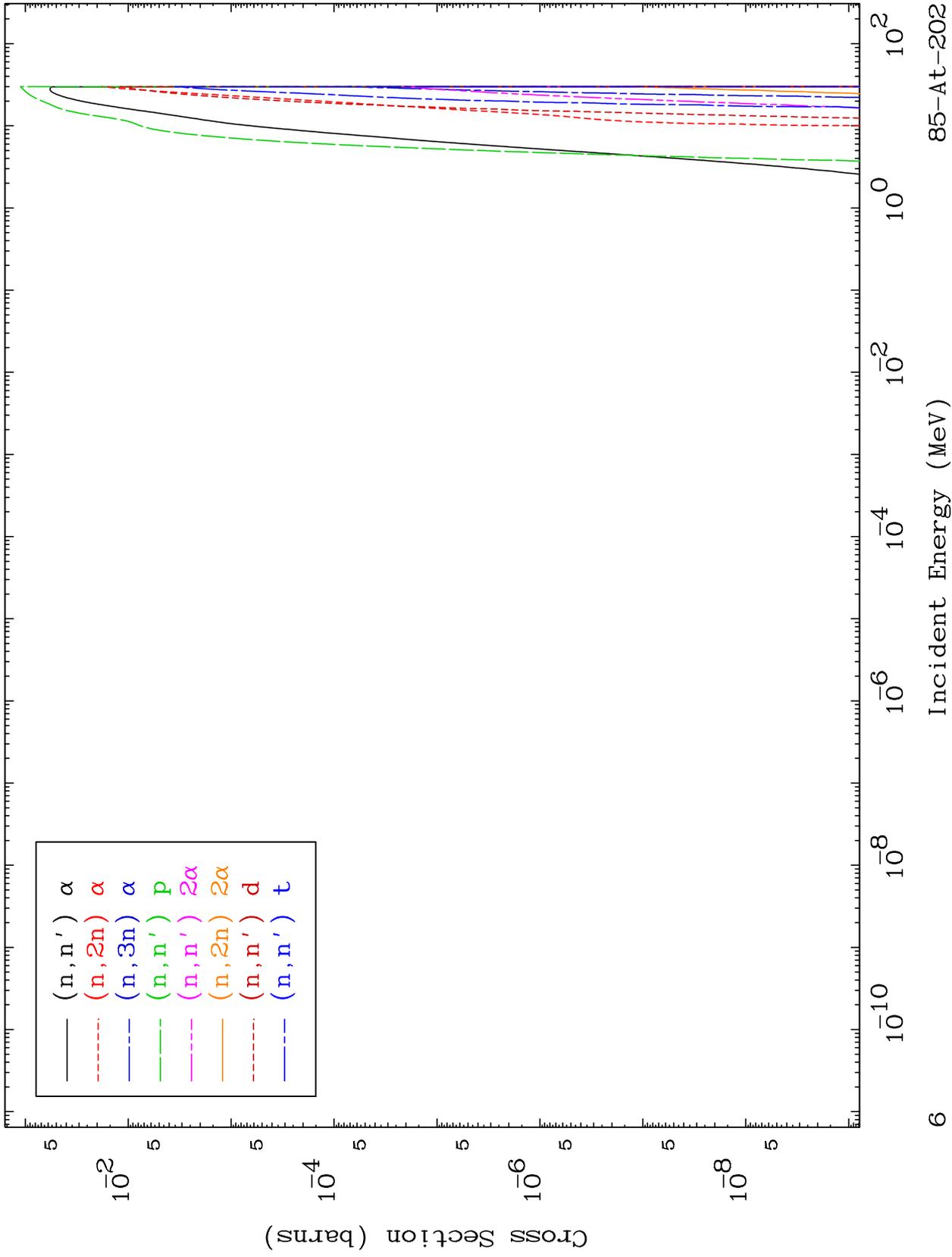




MAT 8522

Charged Particle
293 Kelvin Cross Sections

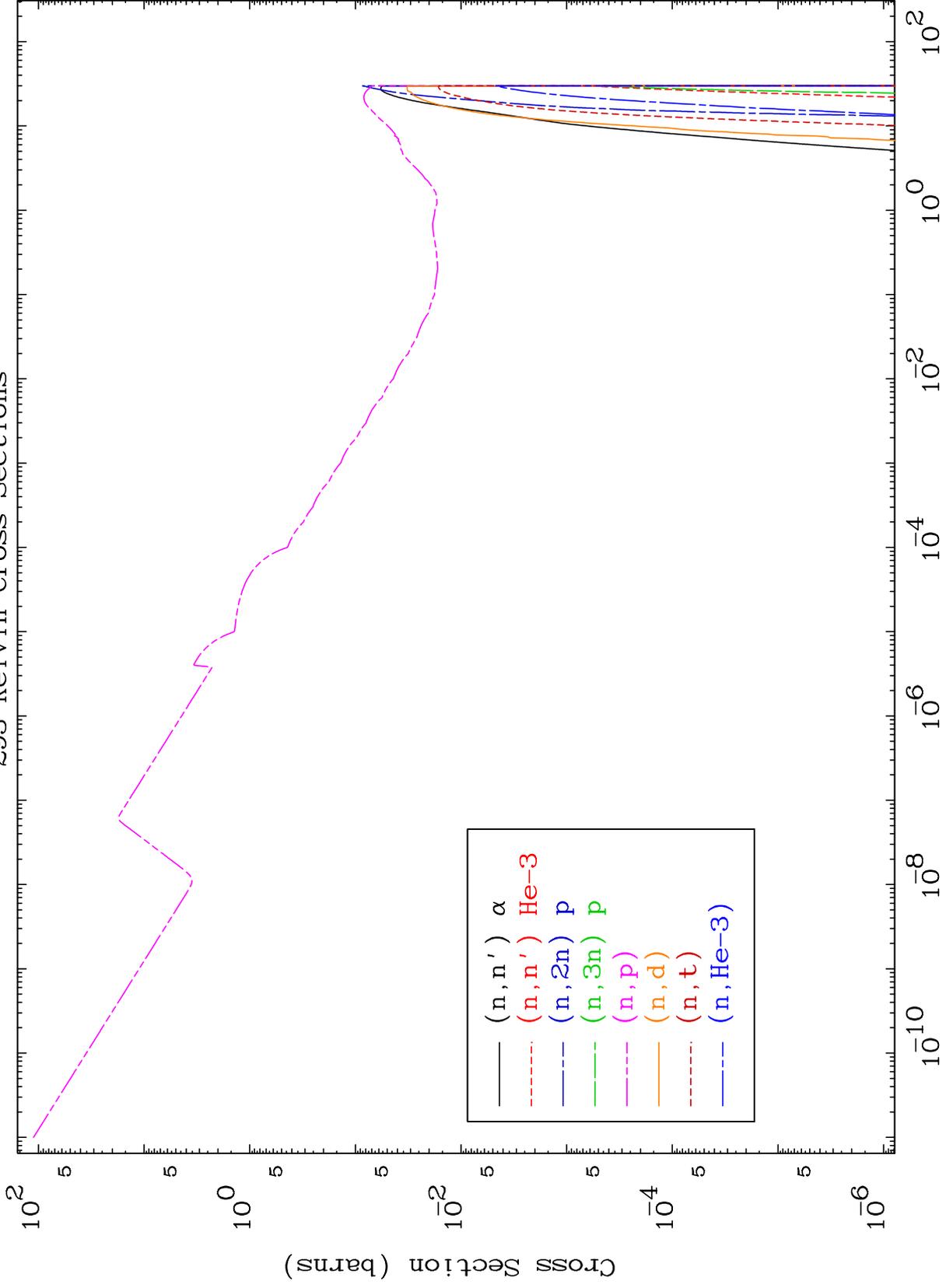
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MAT 85222

Charged Particle
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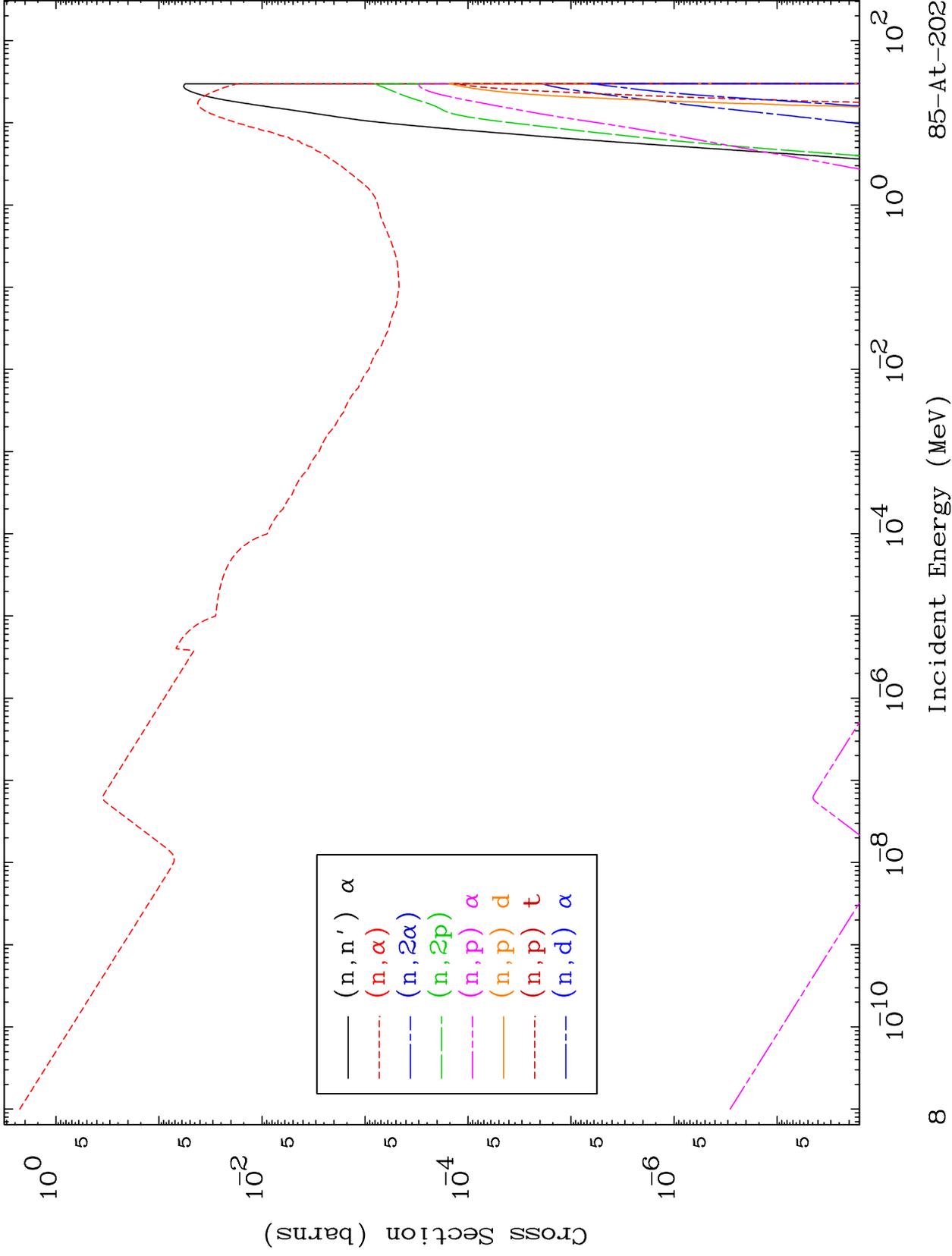
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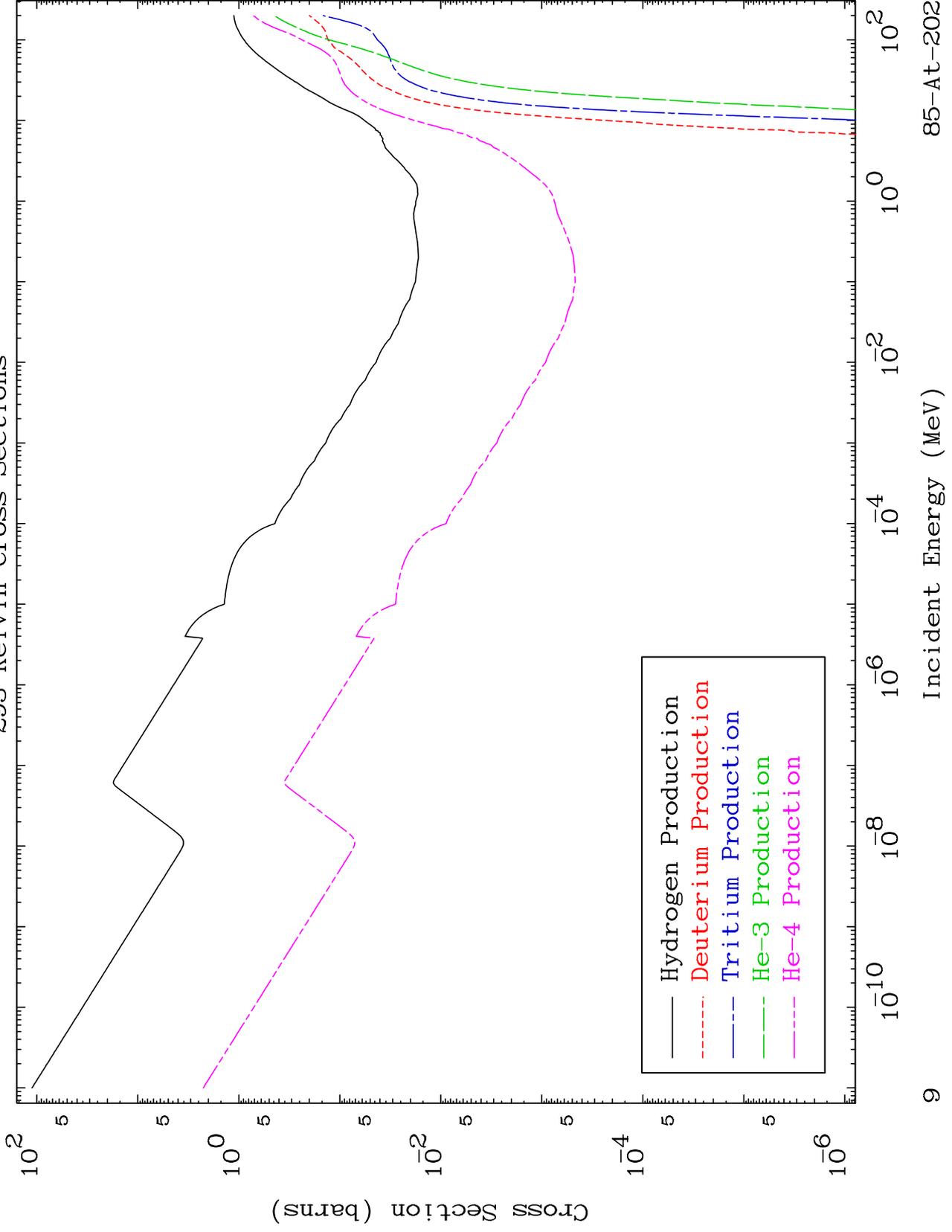


MAT 85222

Charged Particle
293 Kelvin Cross Sections

85-At-202

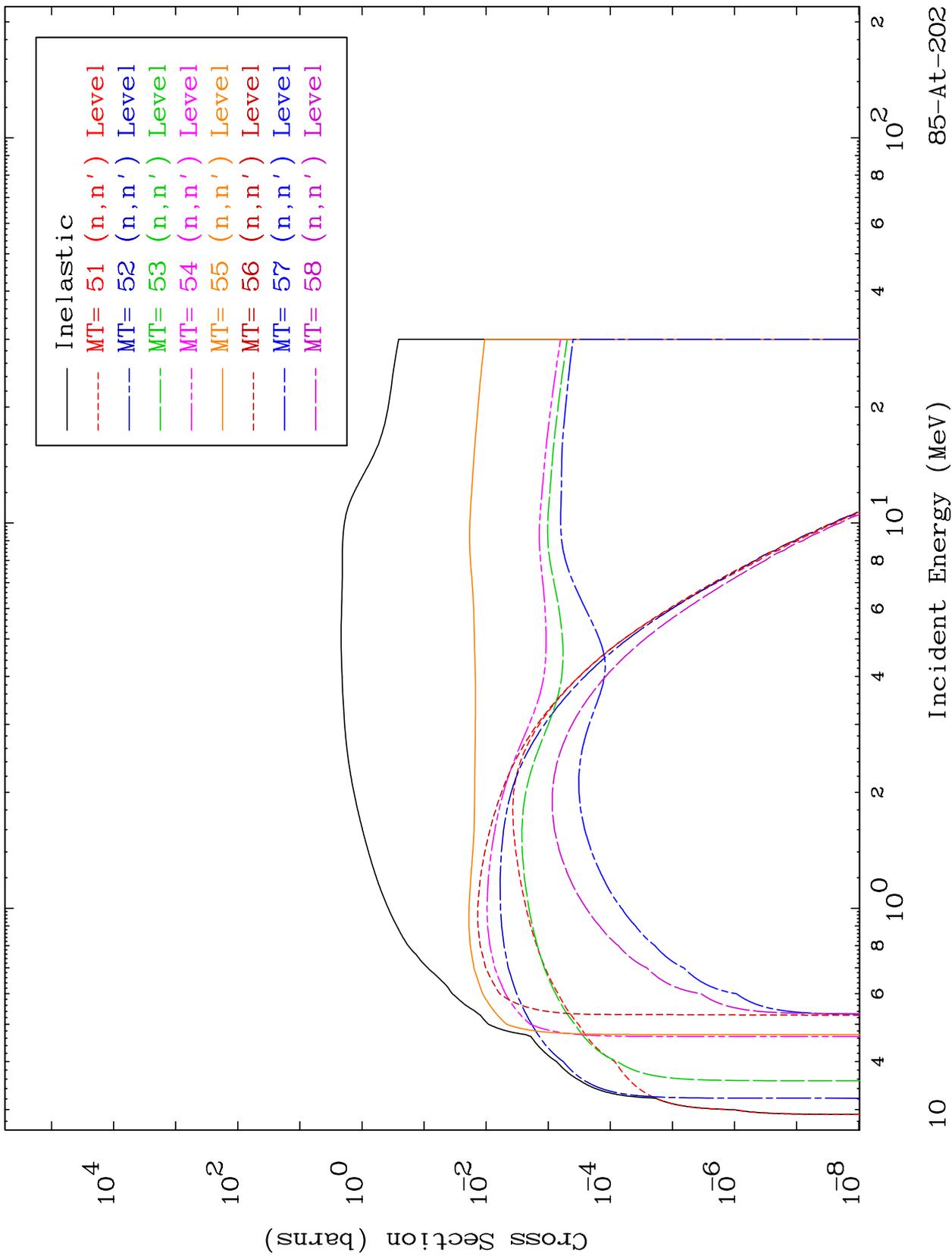




MAT 8522

(n,n') Levels
293 Kelvin Cross Sections

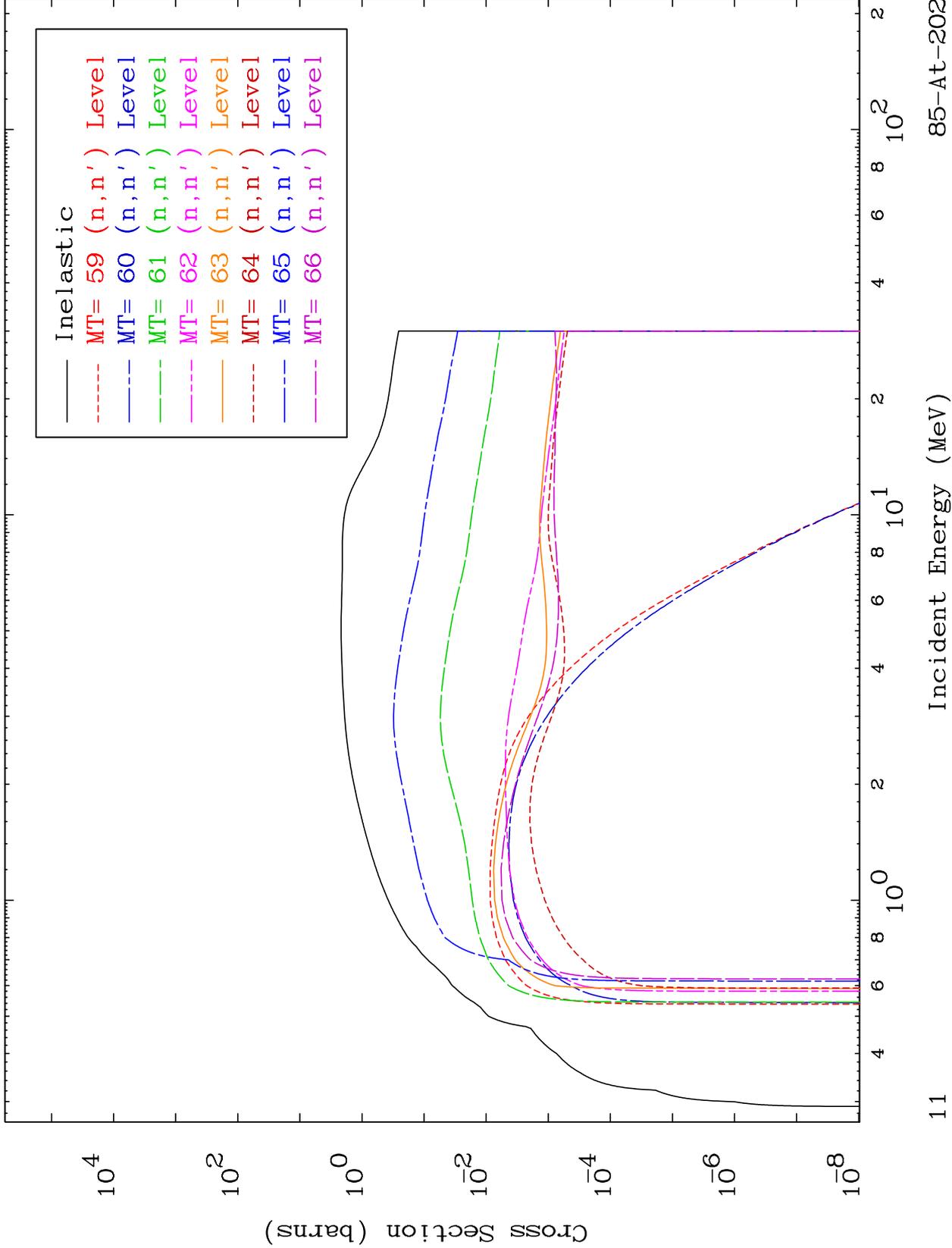
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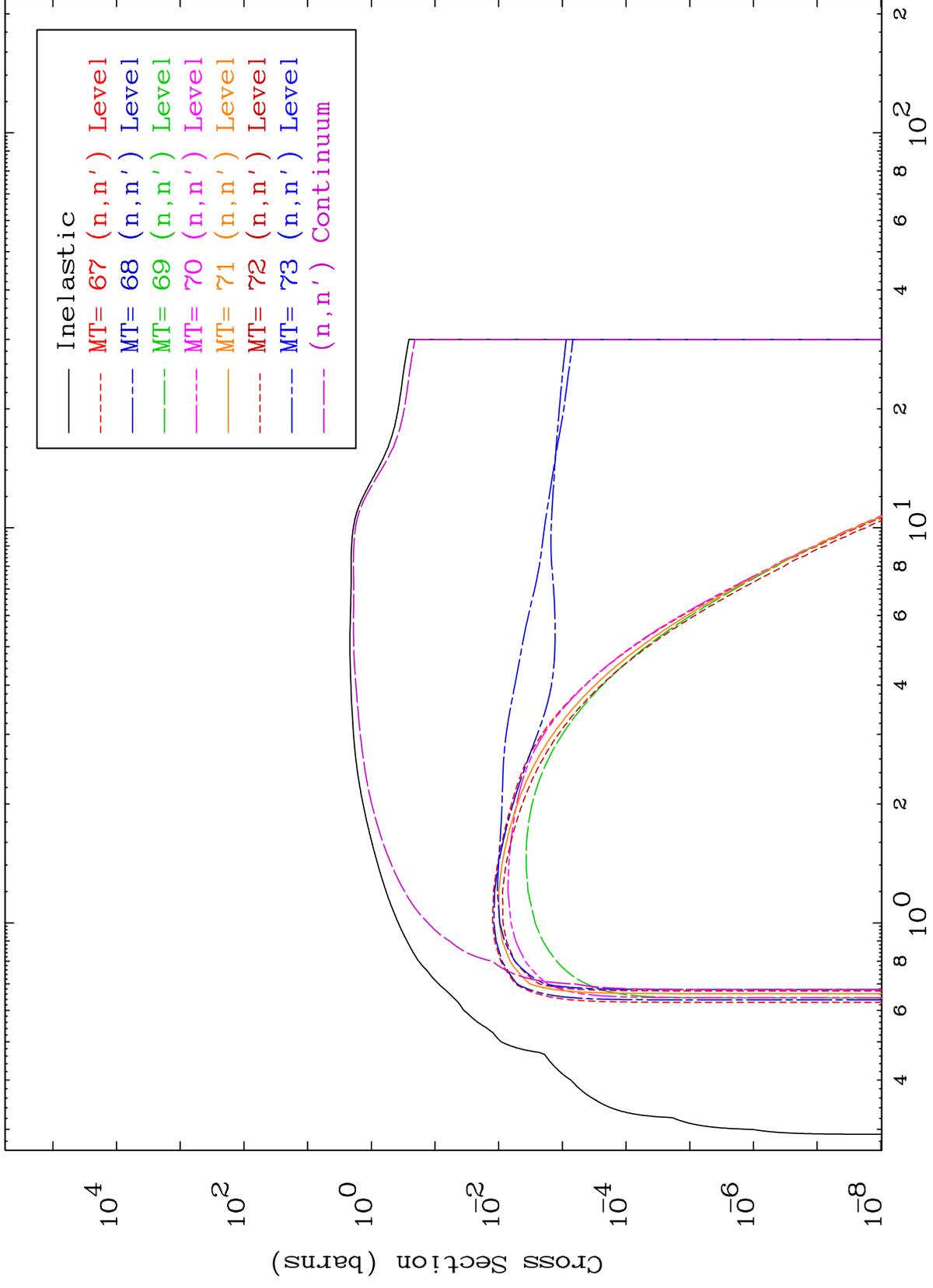


85-At-202

Incident Energy (MeV)

10

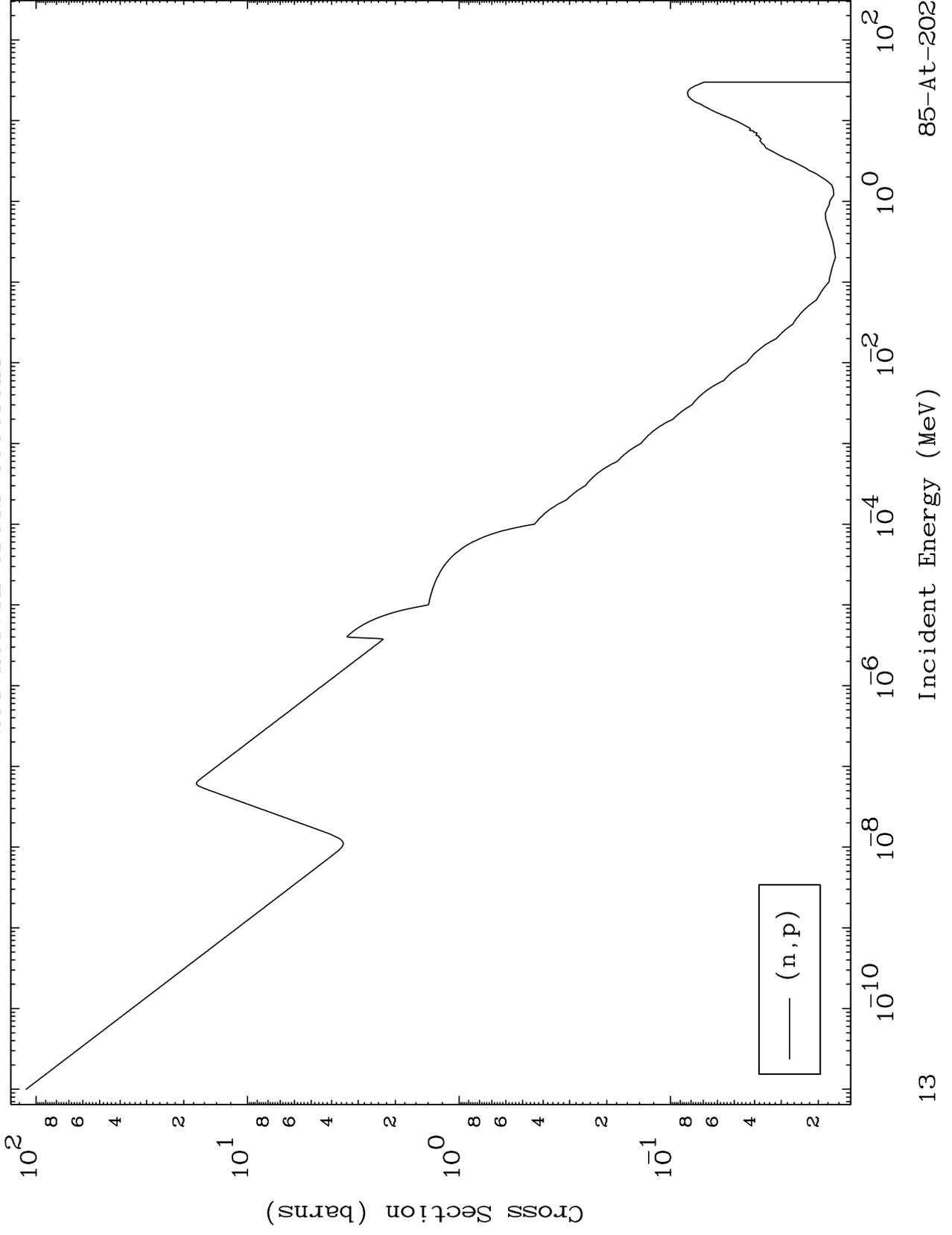




MAT 8522

(n,p) Levels
293 Kelvin Cross Sections

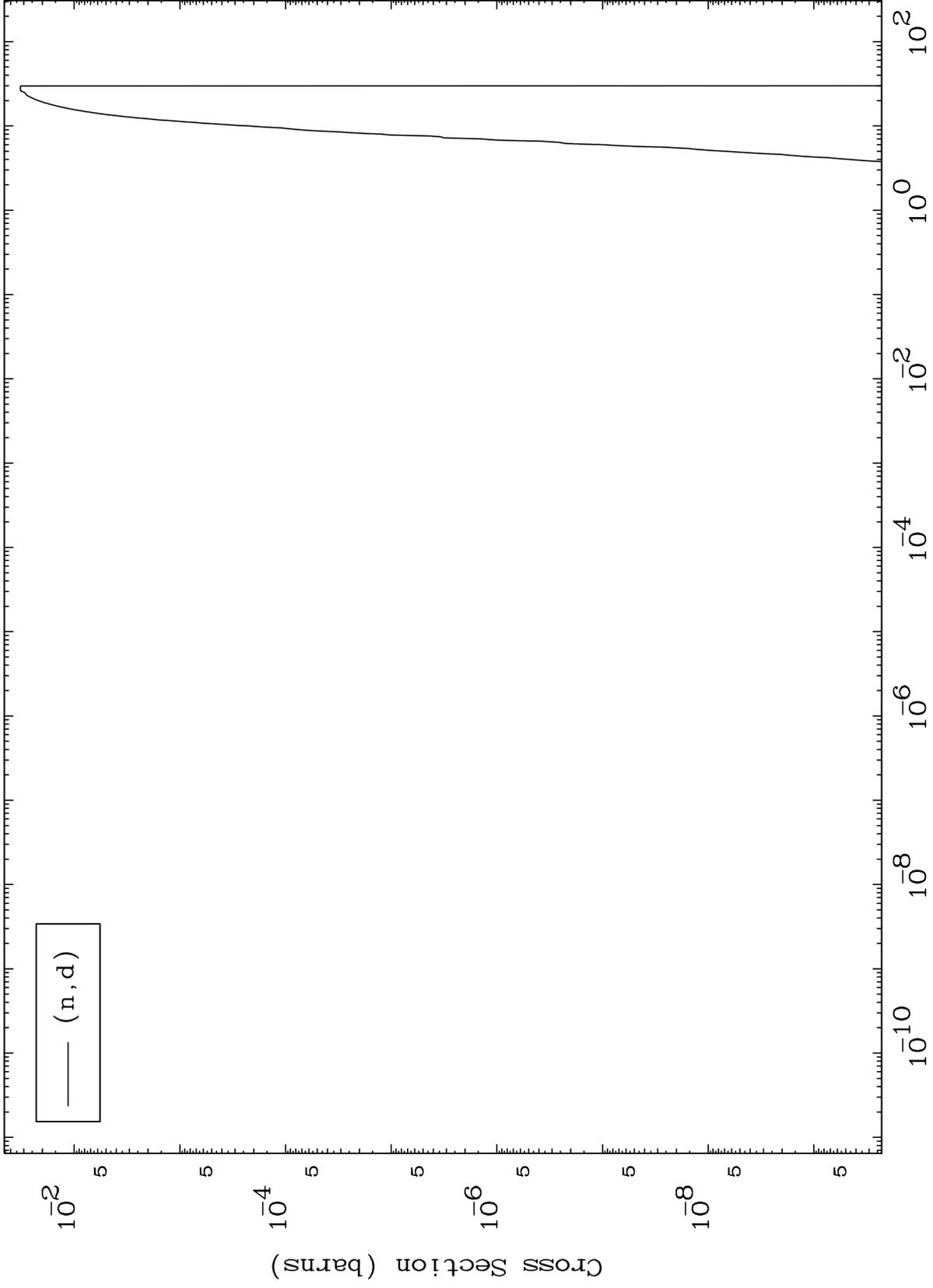
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MAT 85222

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293 Kelvin Cross Sections

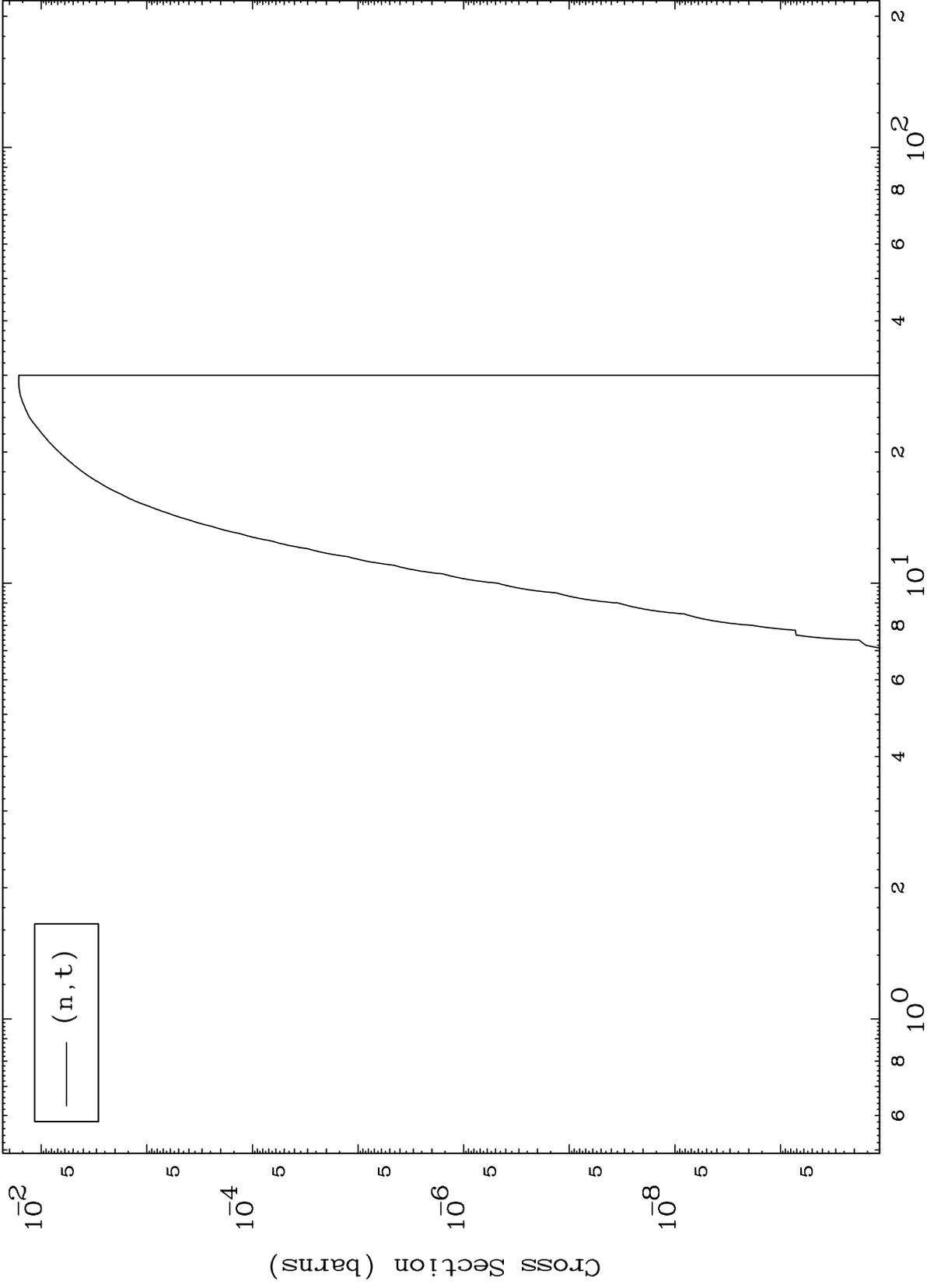
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MAT 8522

(n,t) Levels
293 Kelvin Cross Sections

85-At-202



15

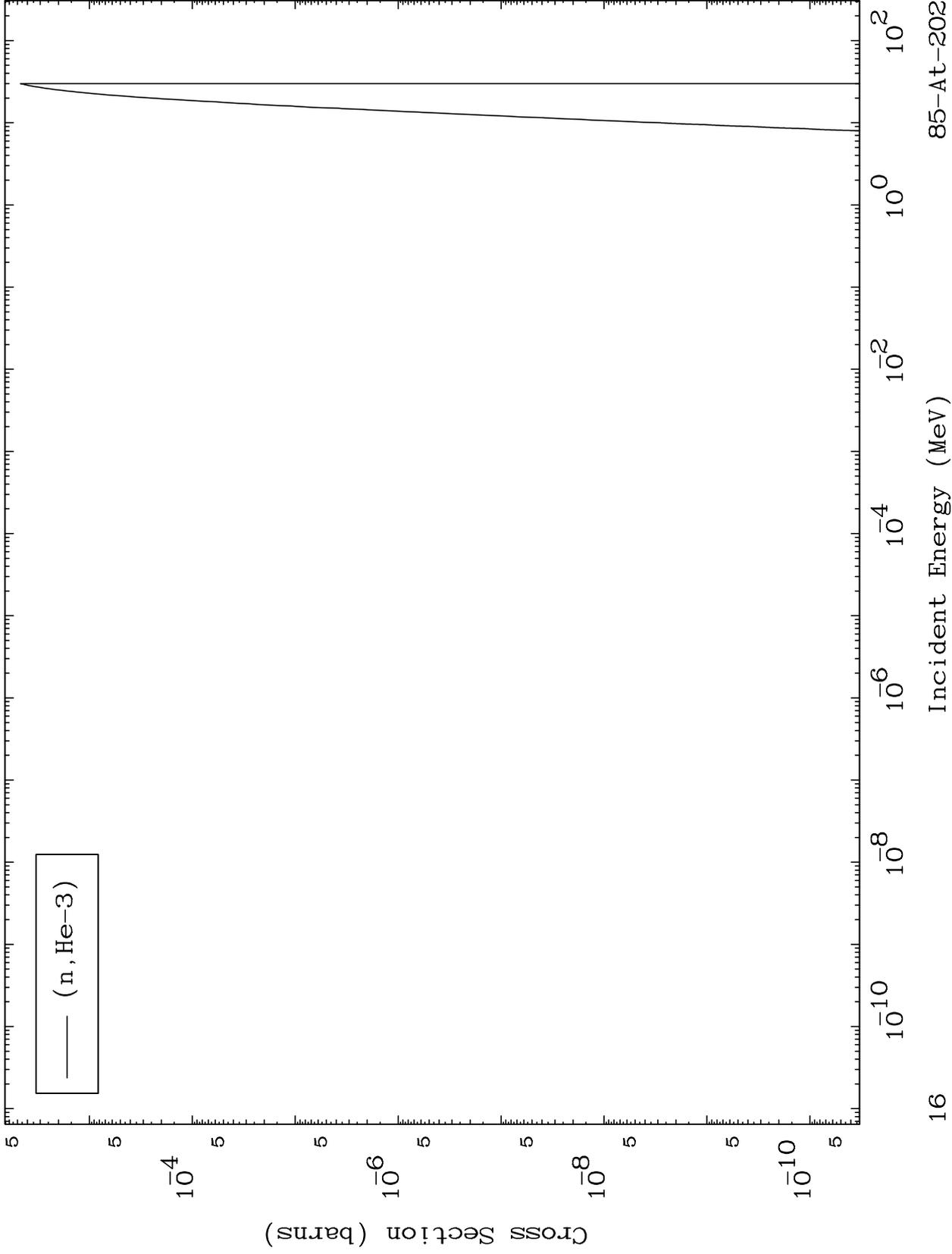
Incident Energy (MeV)

85-At-202

MAT 85222

(n,He3) Levels
293 Kelvin Cross Sections

85-At-202

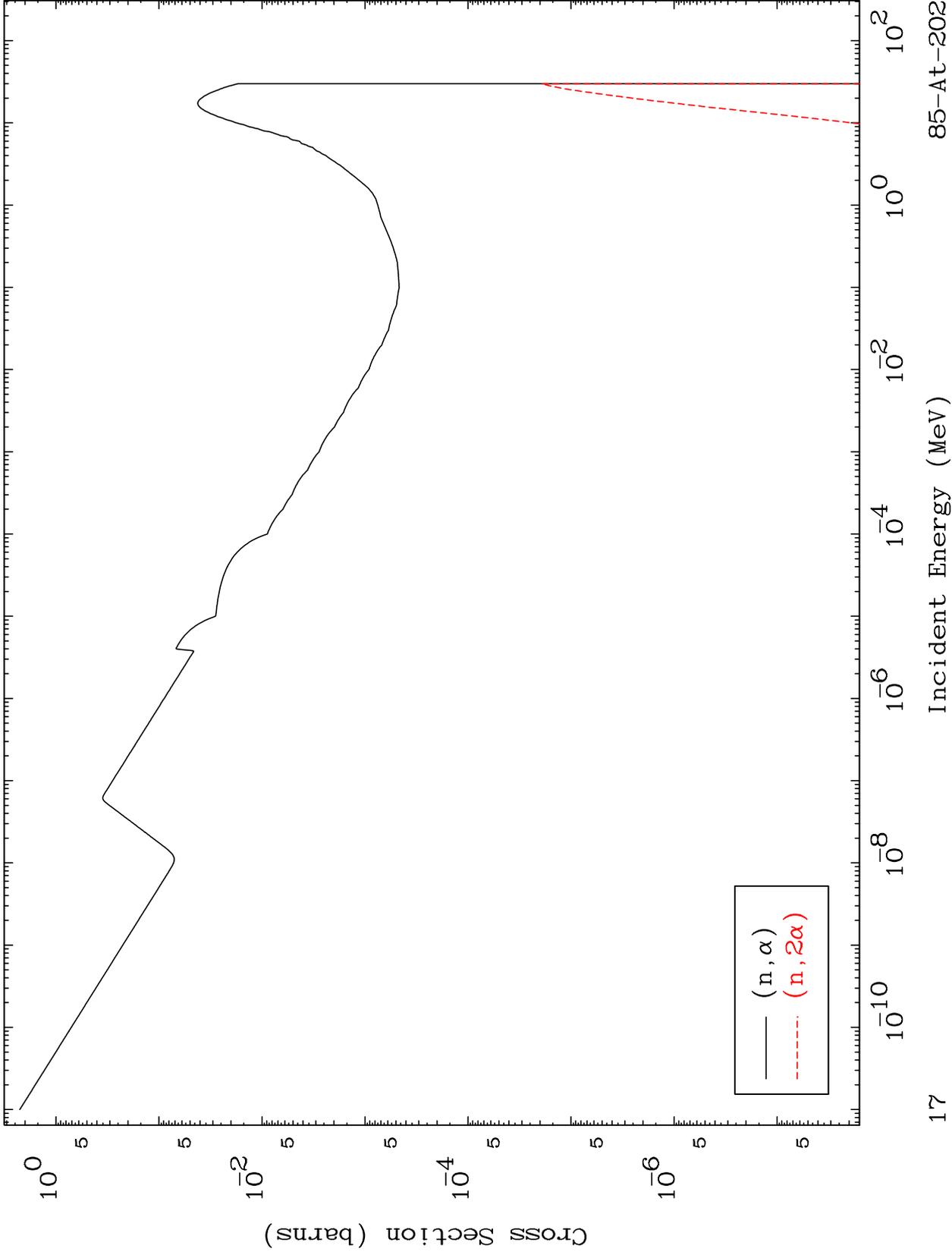


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MAT 85222

(n,α) Levels
293 Kelvin Cross Sections

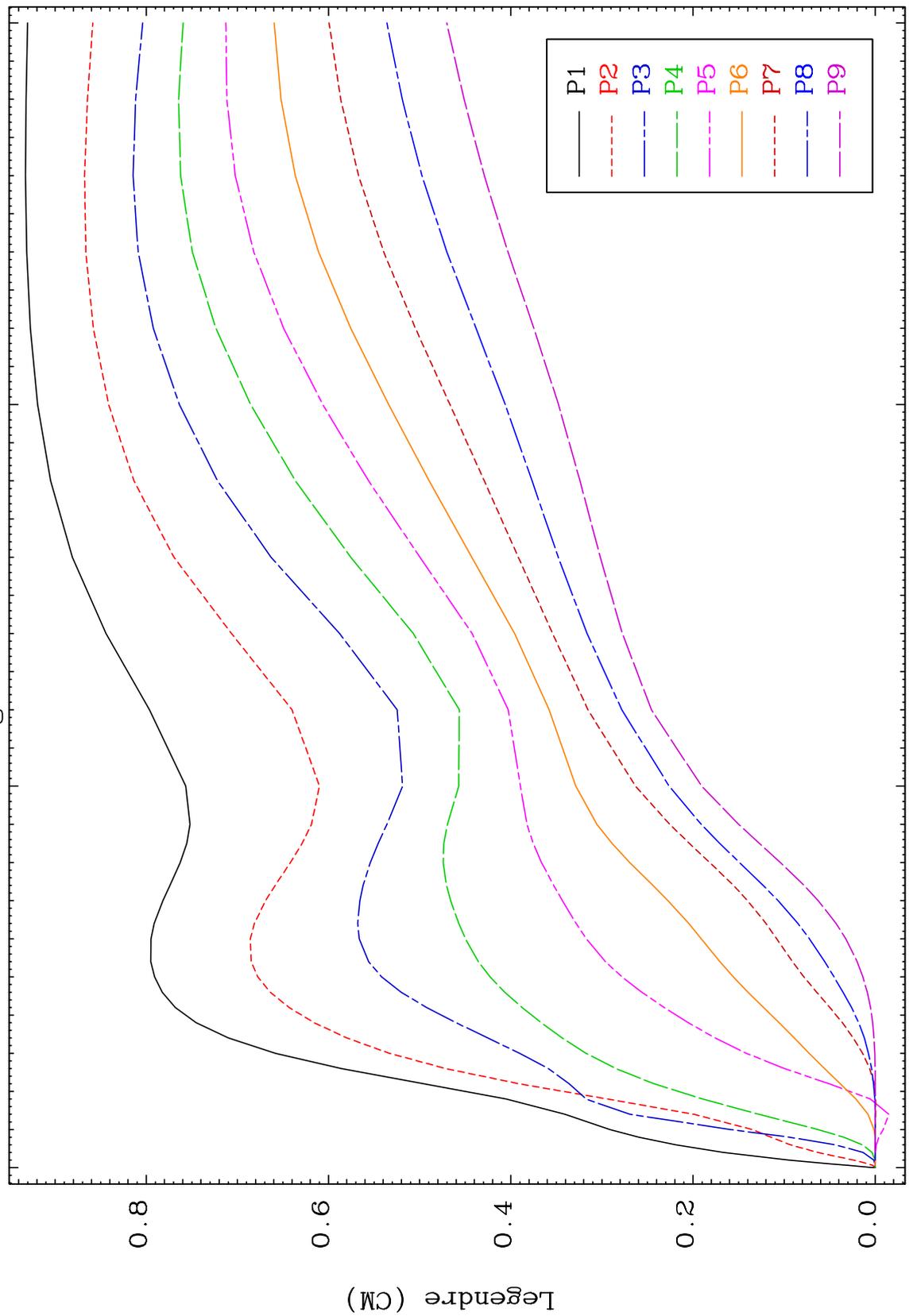
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MAT 8522

85-At-202

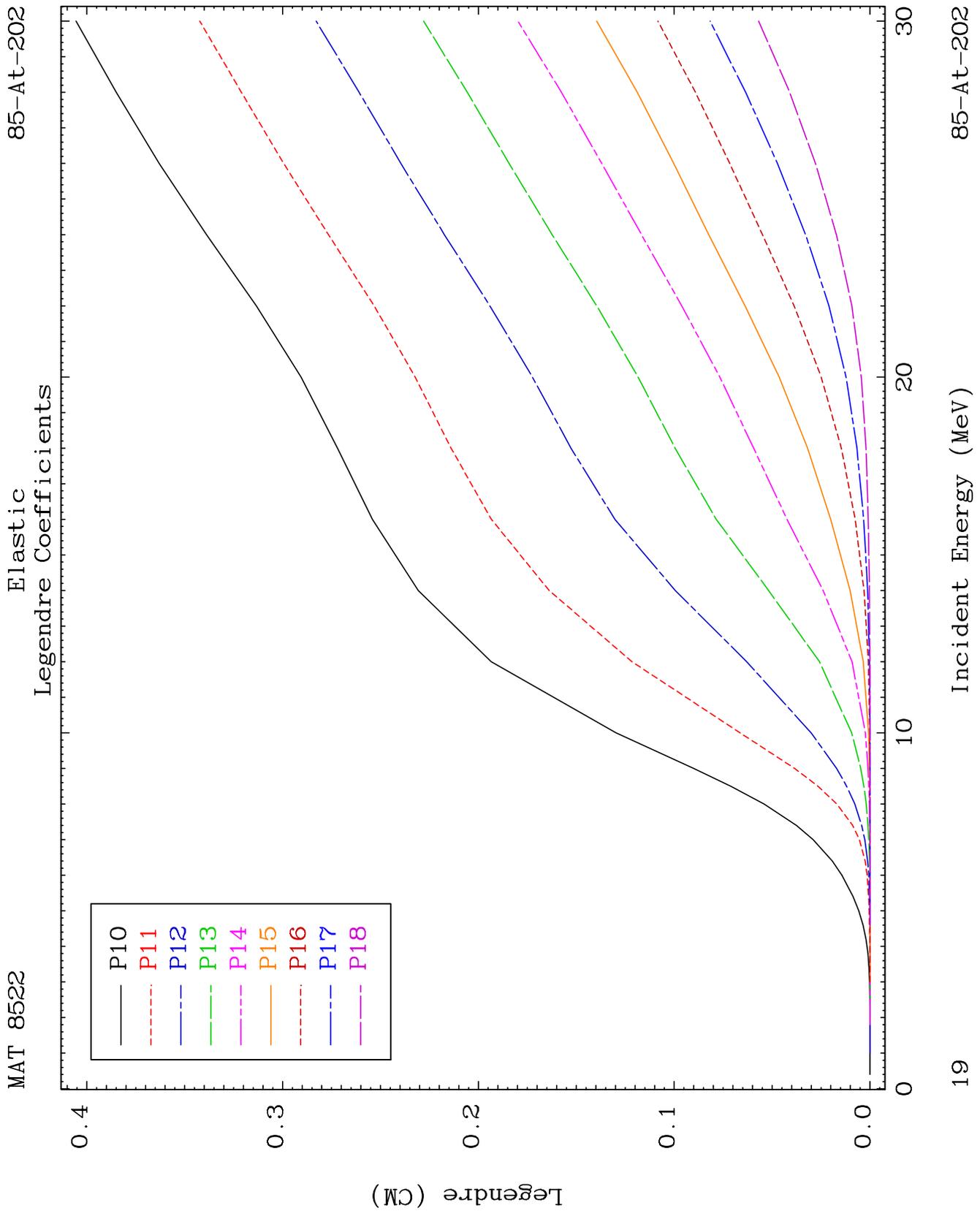
Elastic Legendre Coefficients



85-At-202

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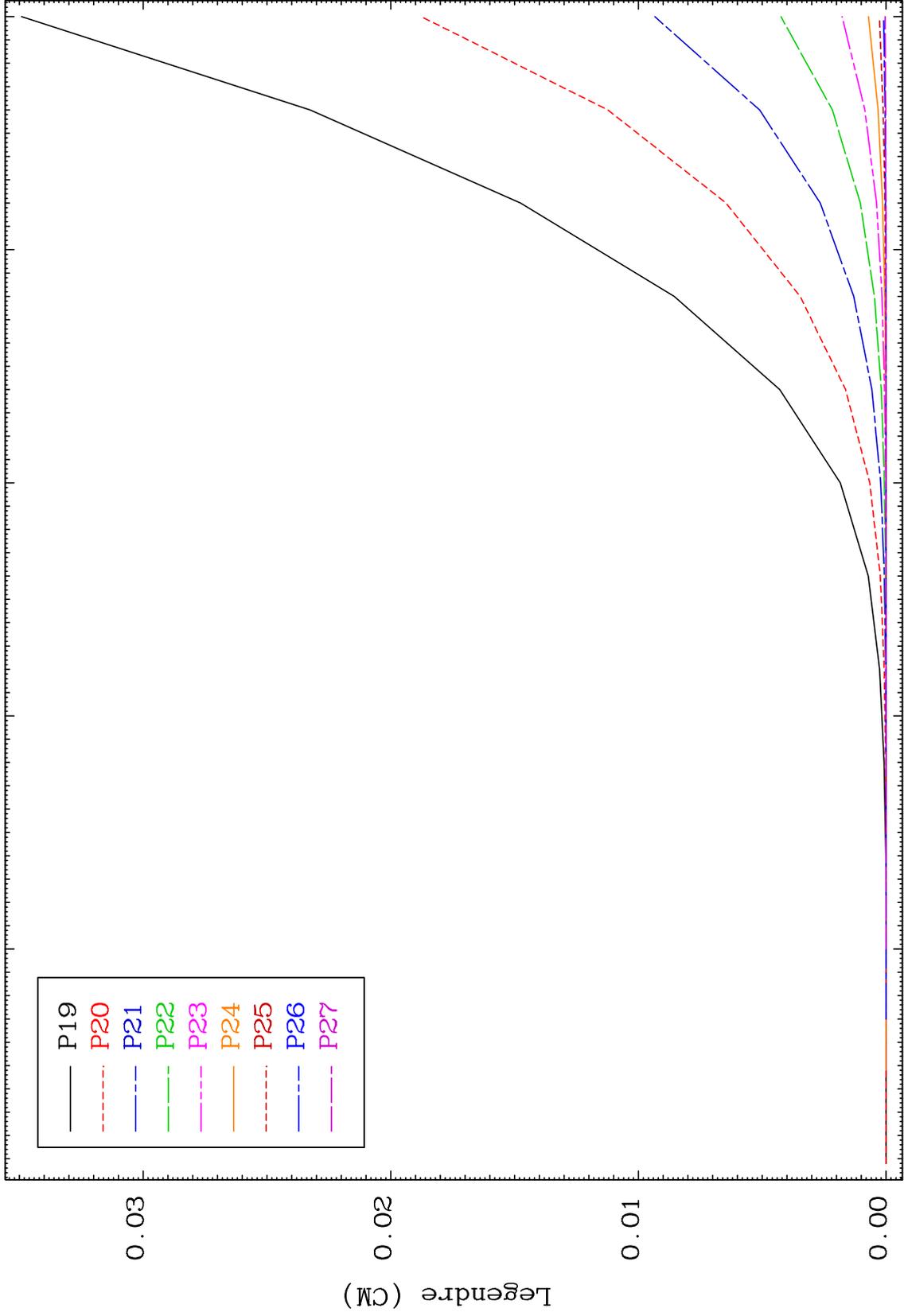
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MAT 85222

Elastic Legendre Coefficients

85-At-202



20

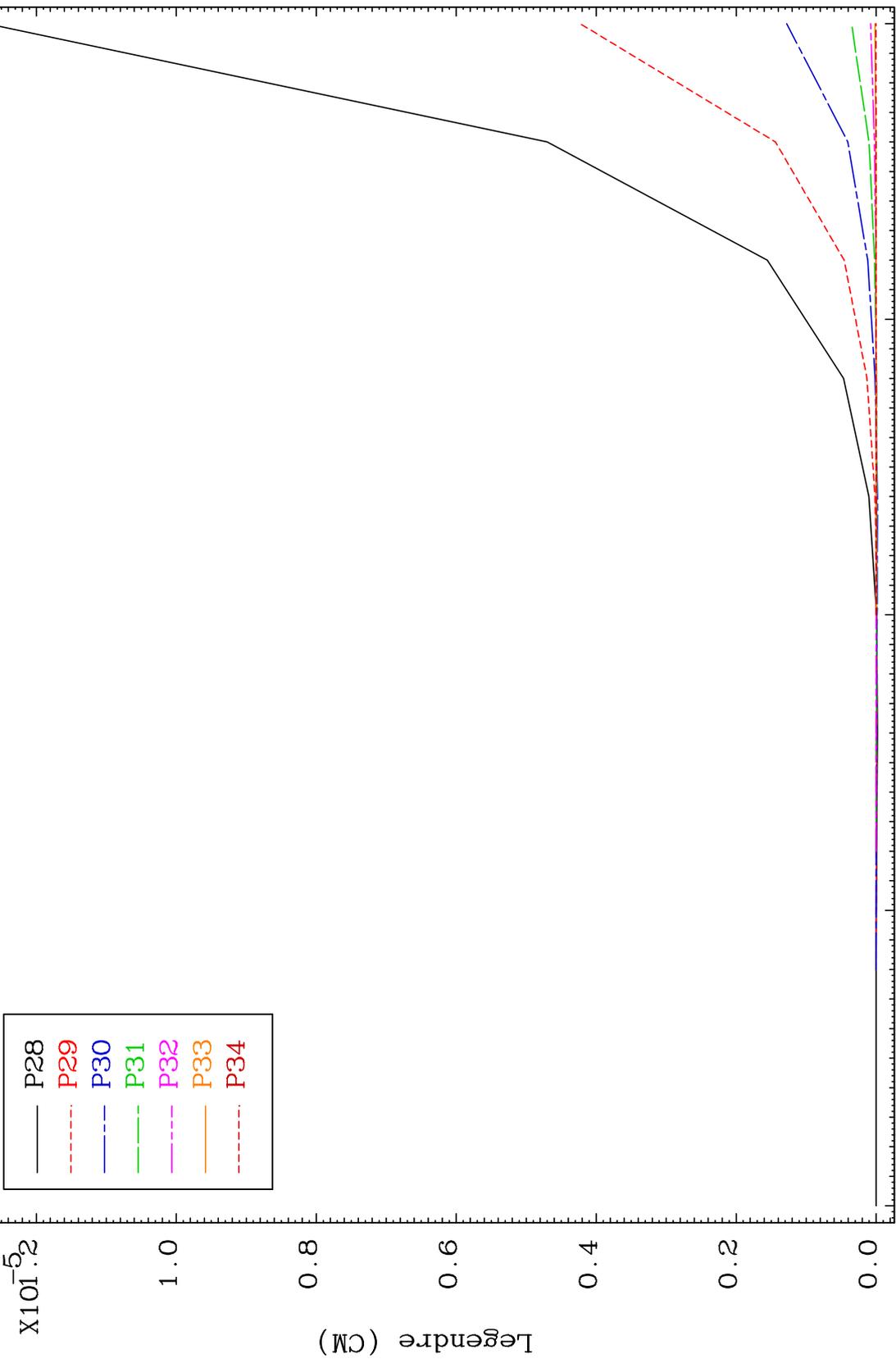
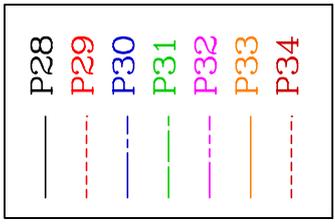
Incident Energy (MeV)

85-At-202

MAT 8522

Elastic Legendre Coefficients

85-At-202



21

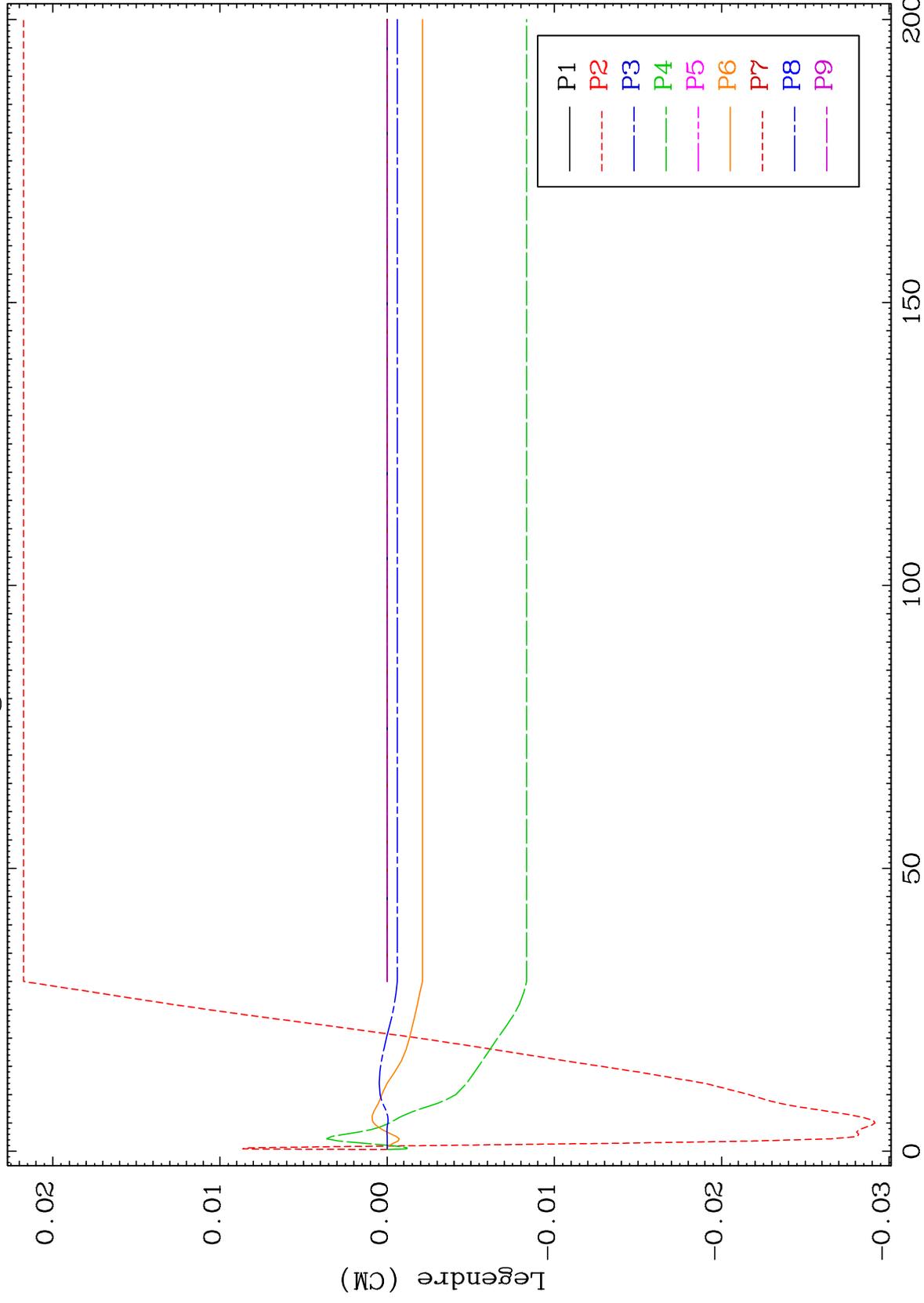
Incident Energy (MeV)

85-At-202

MAT 85222

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

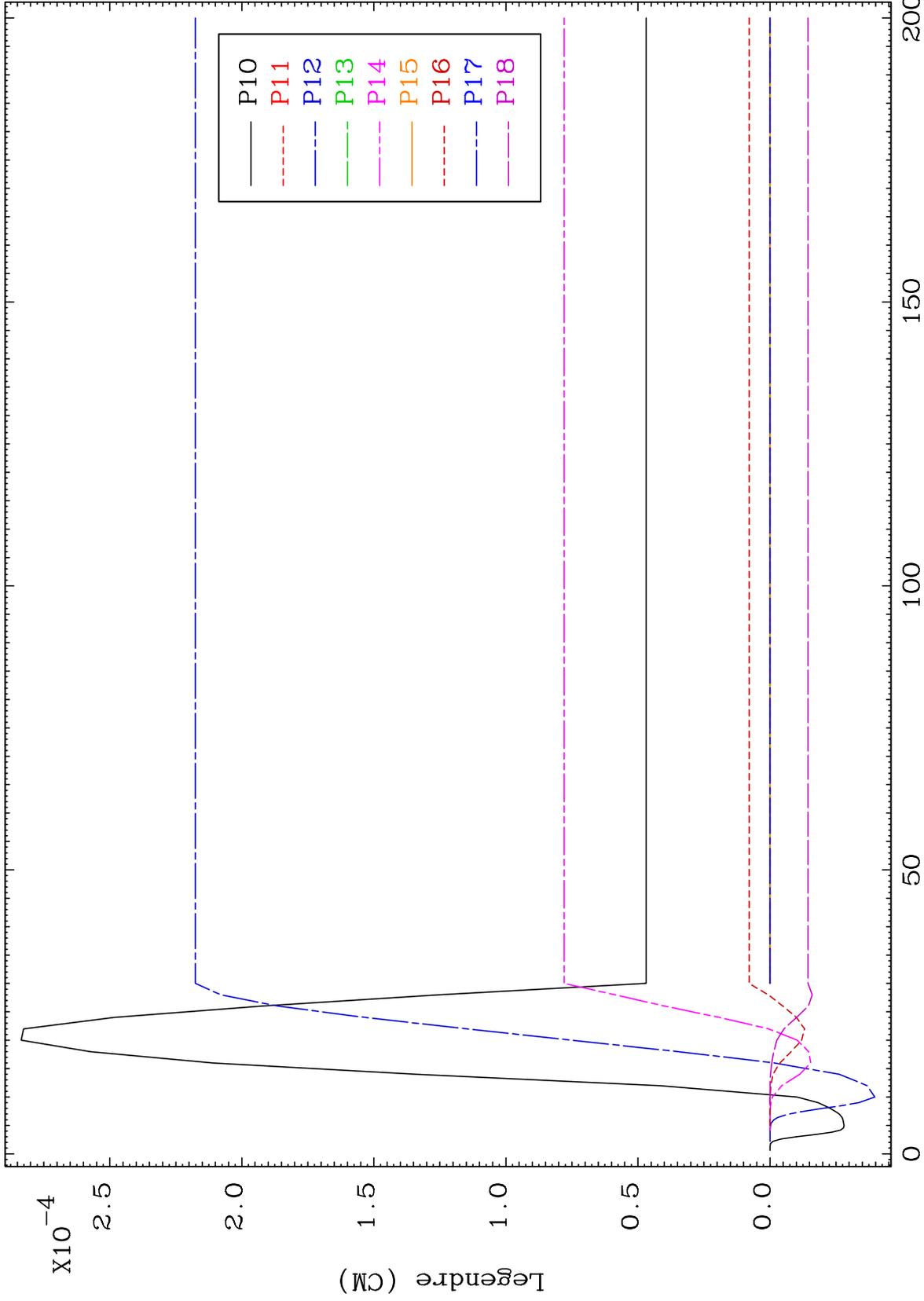
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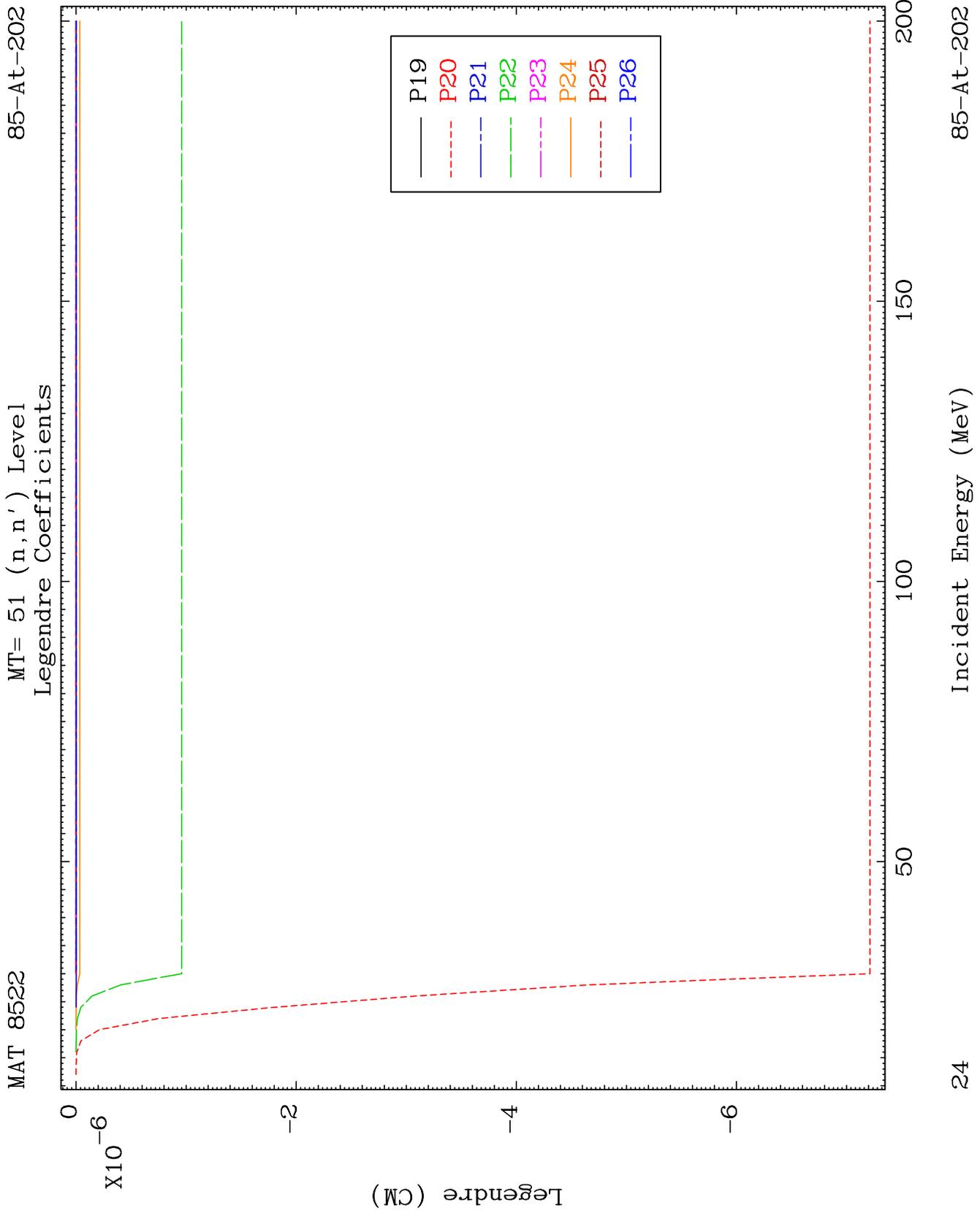


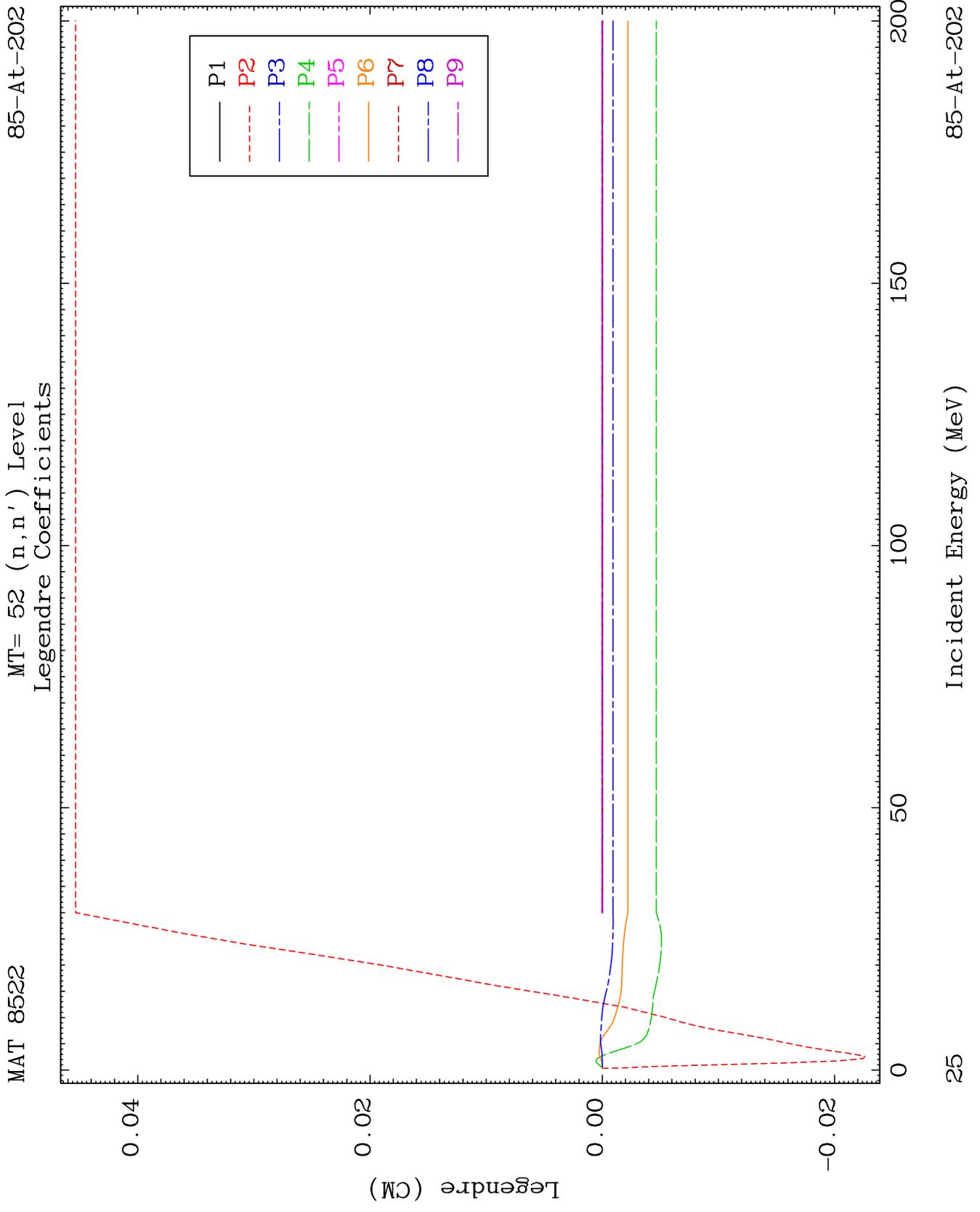
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Incident Energy (MeV)

85-At-202



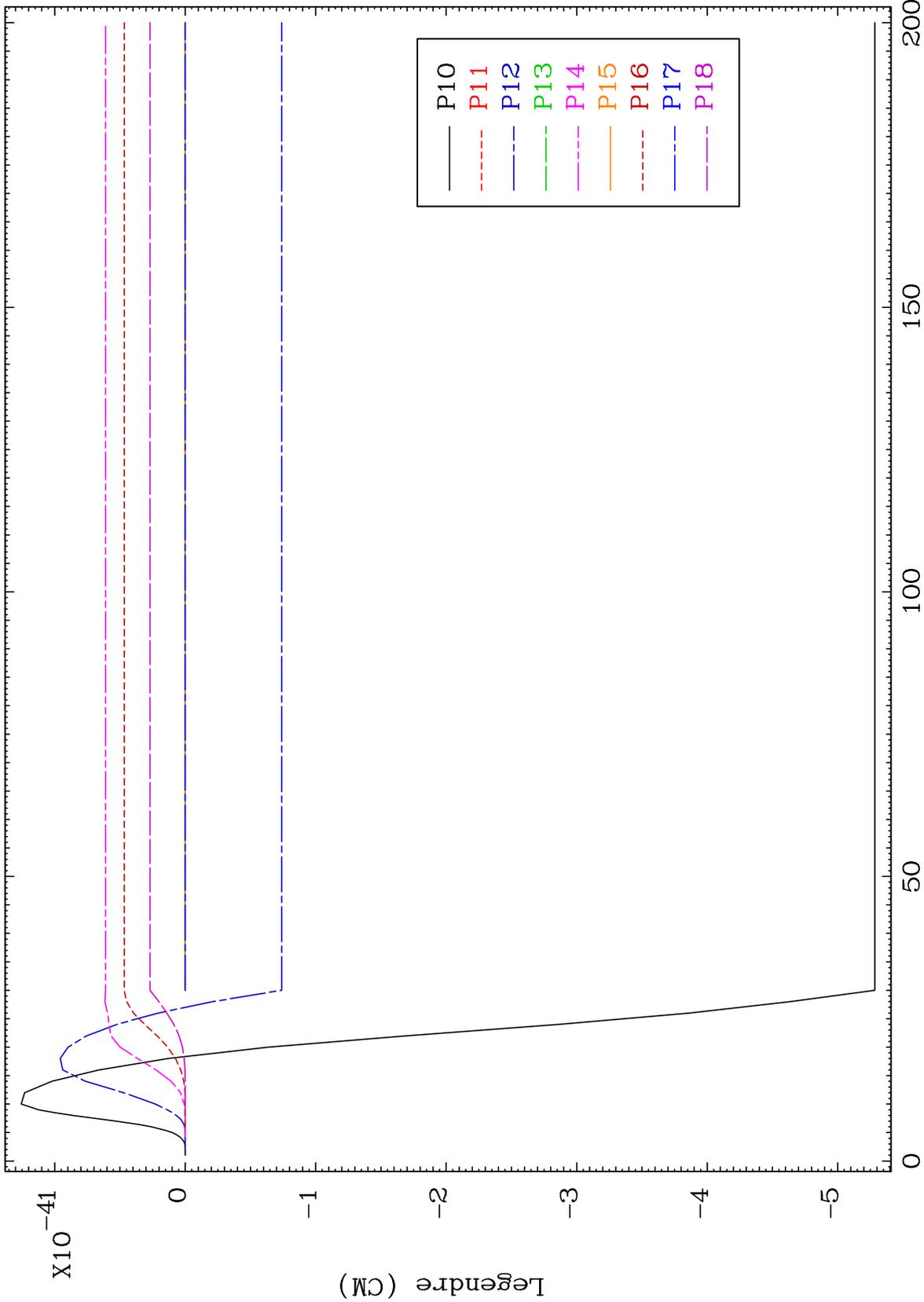




MAT 8522

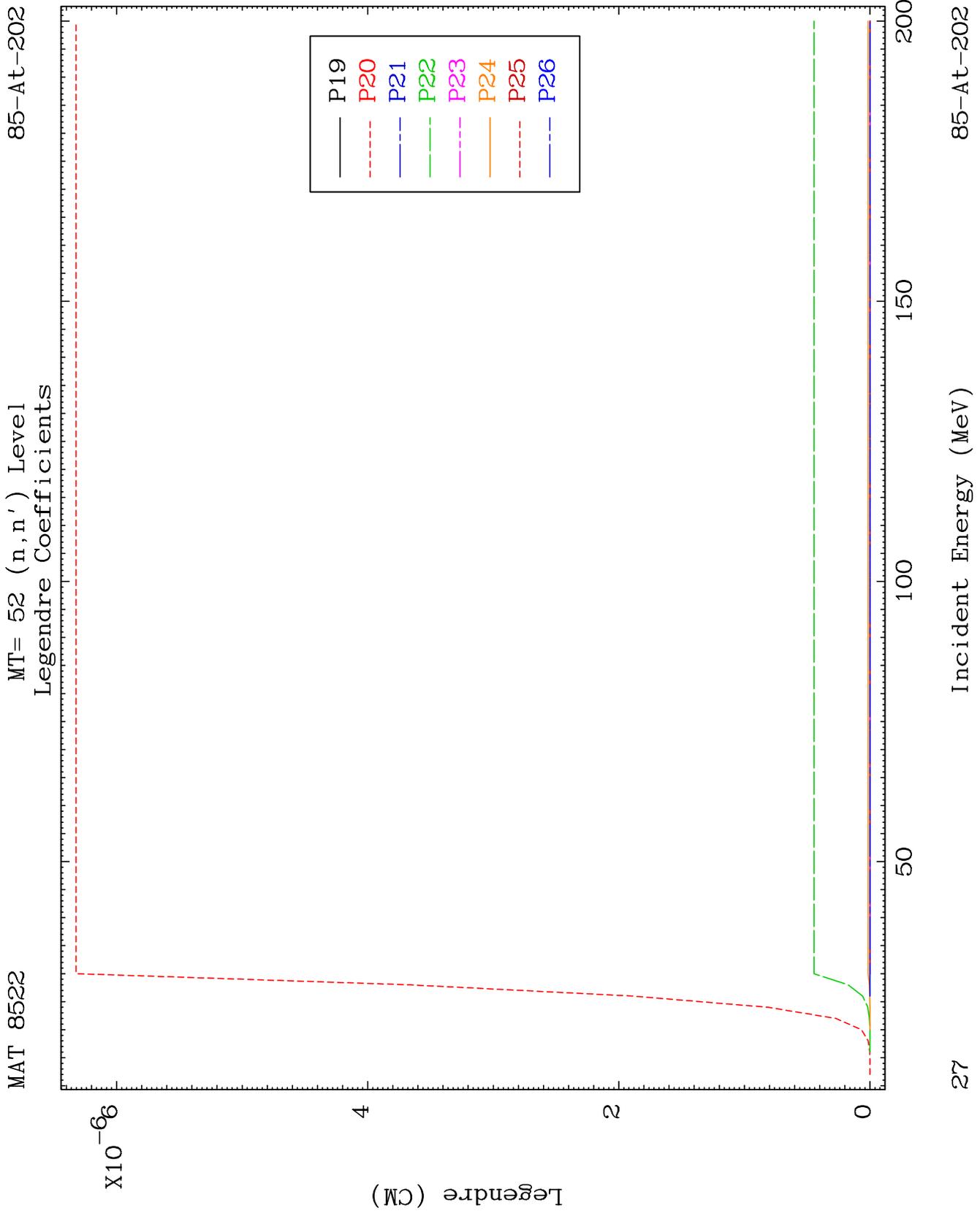
MT= 52 (n,n') Level
Legendre Coefficients

85-At-202



26

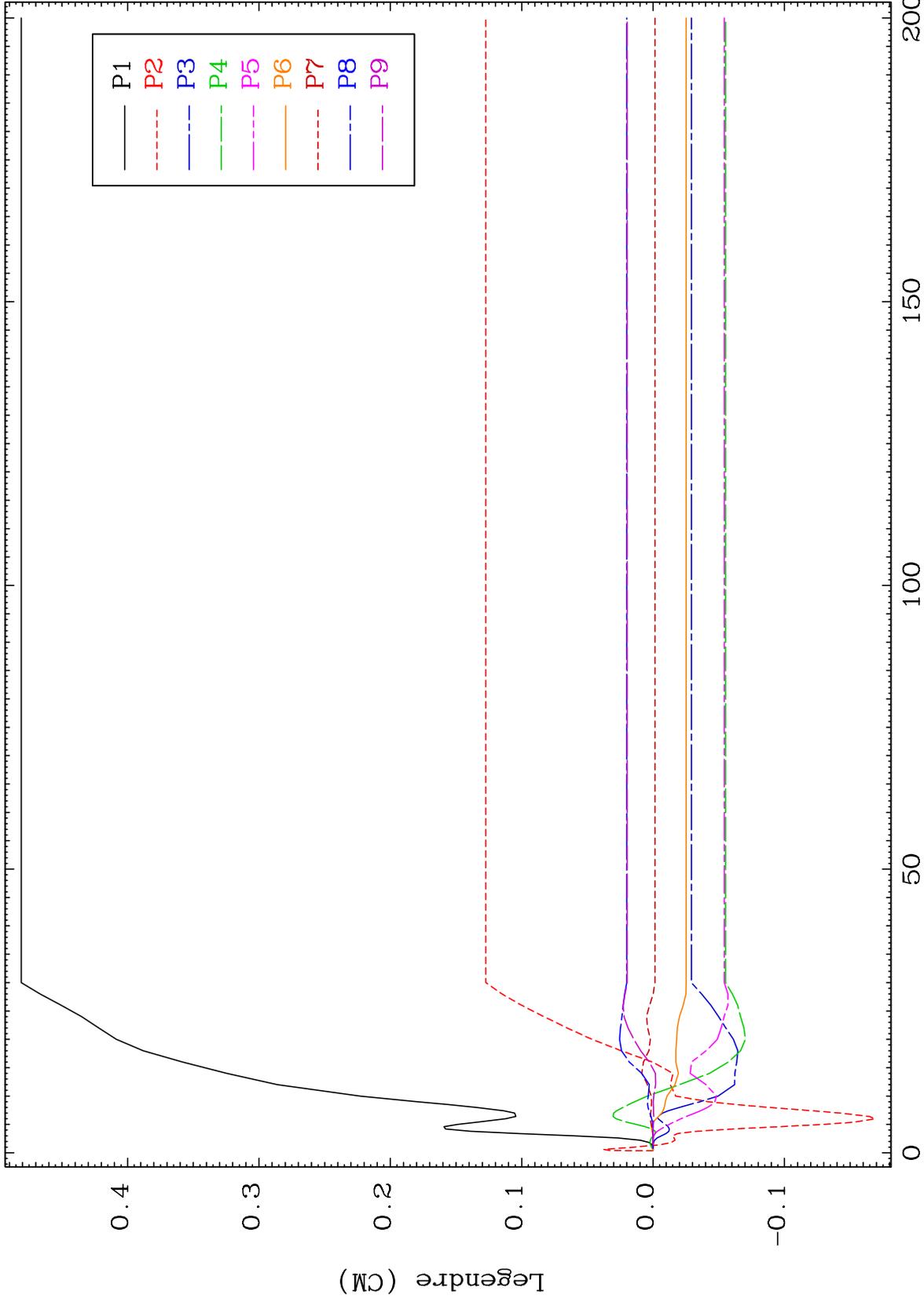
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MAT 8522

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

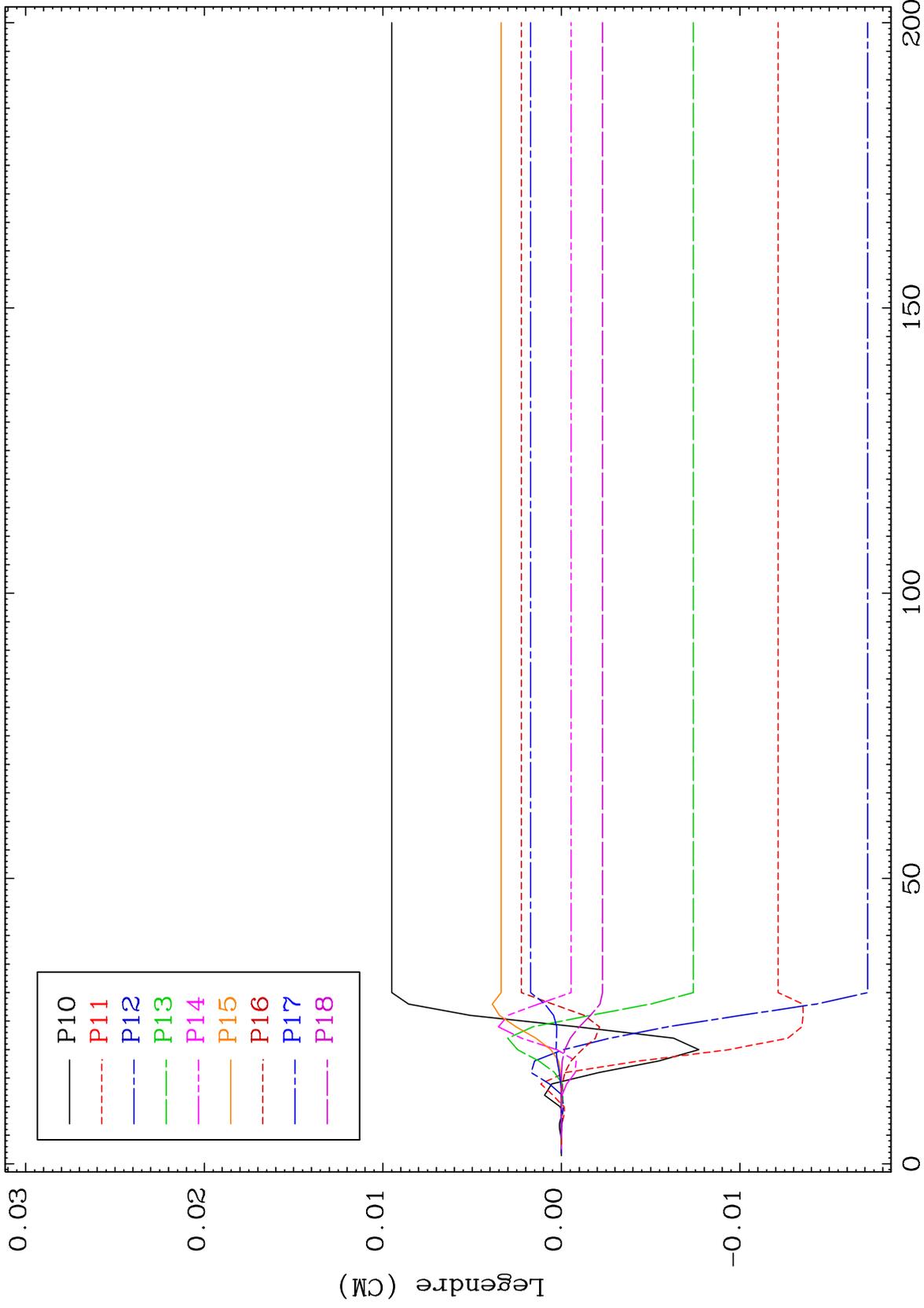
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28

Incident Energy (MeV)

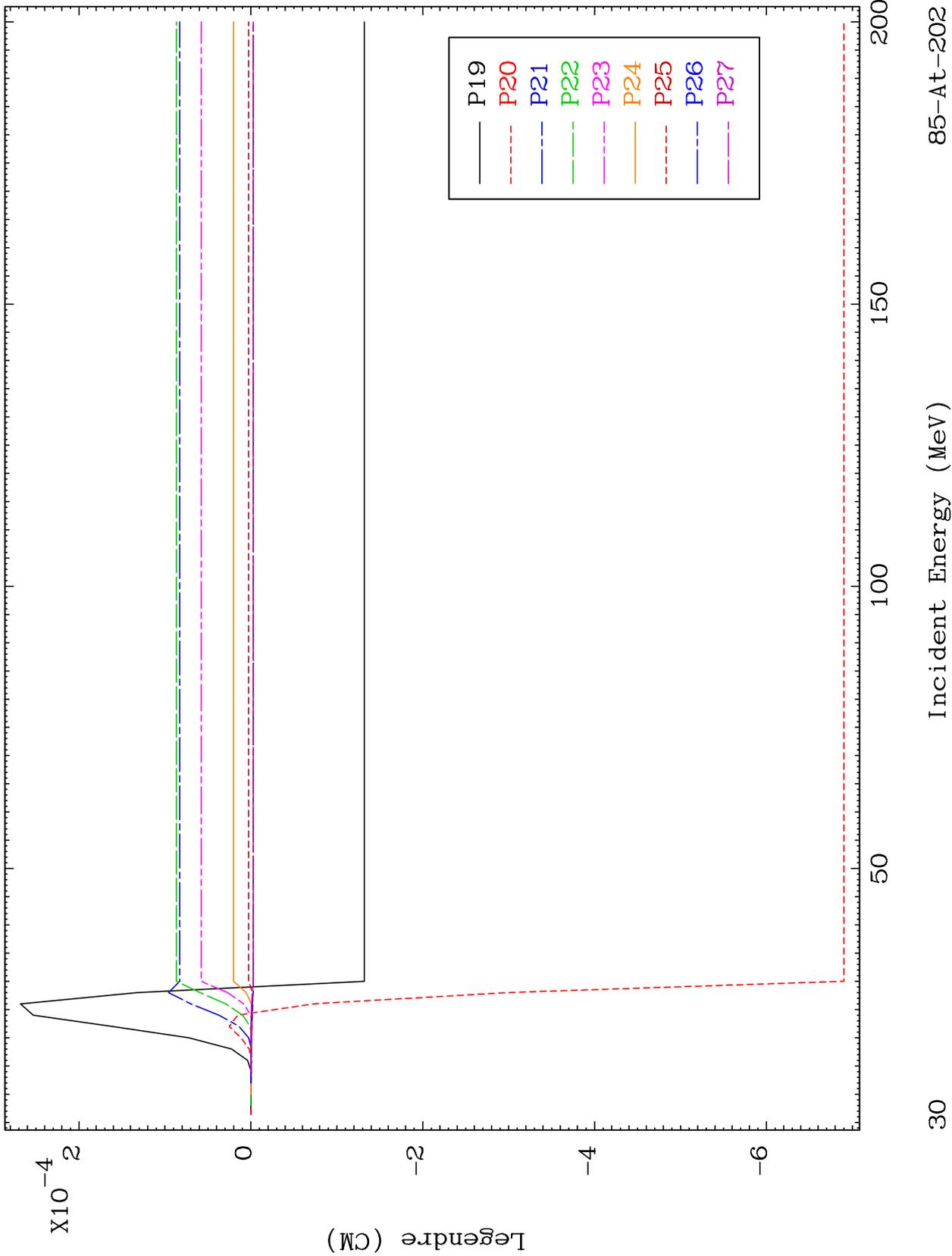
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MAT 8522

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

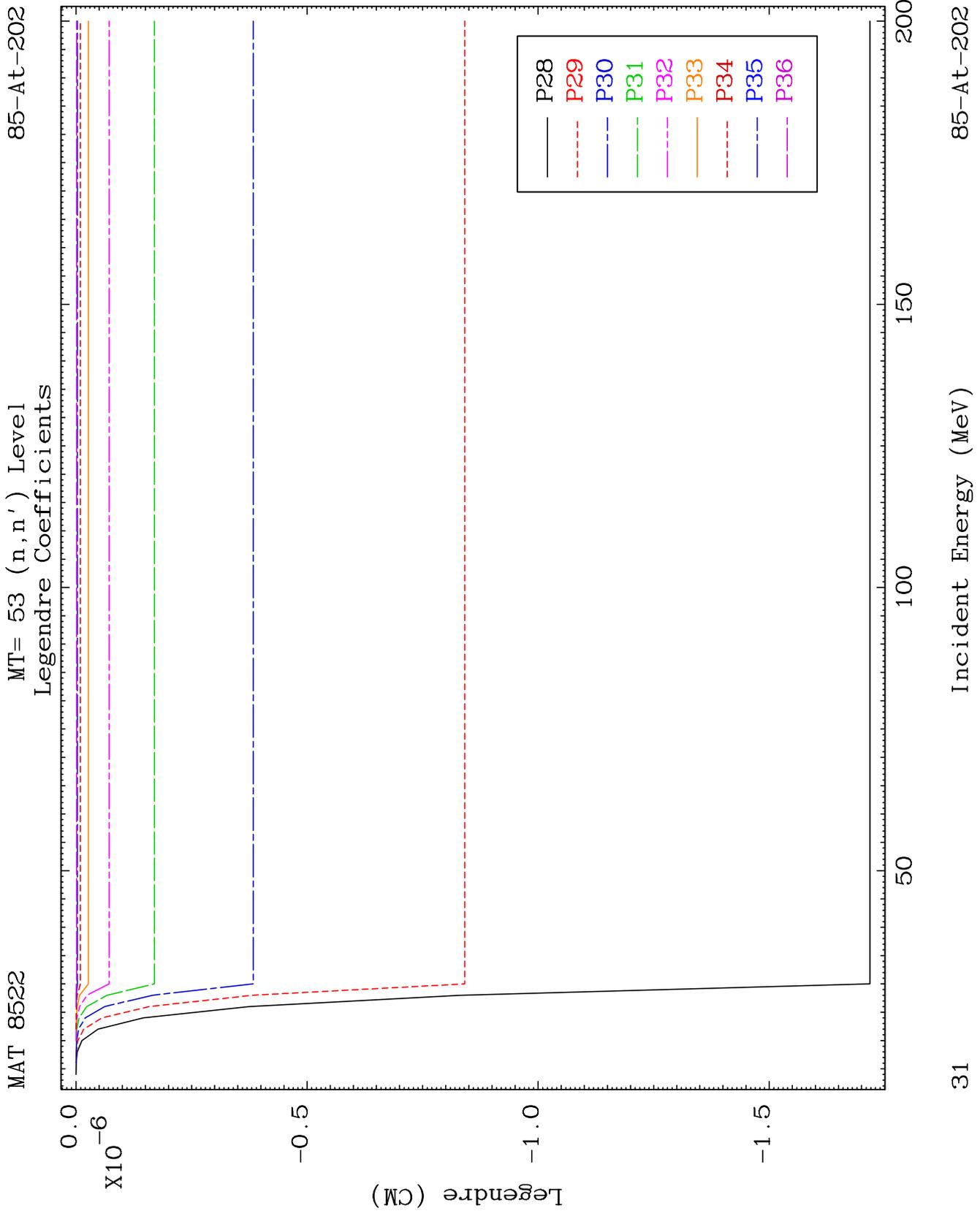
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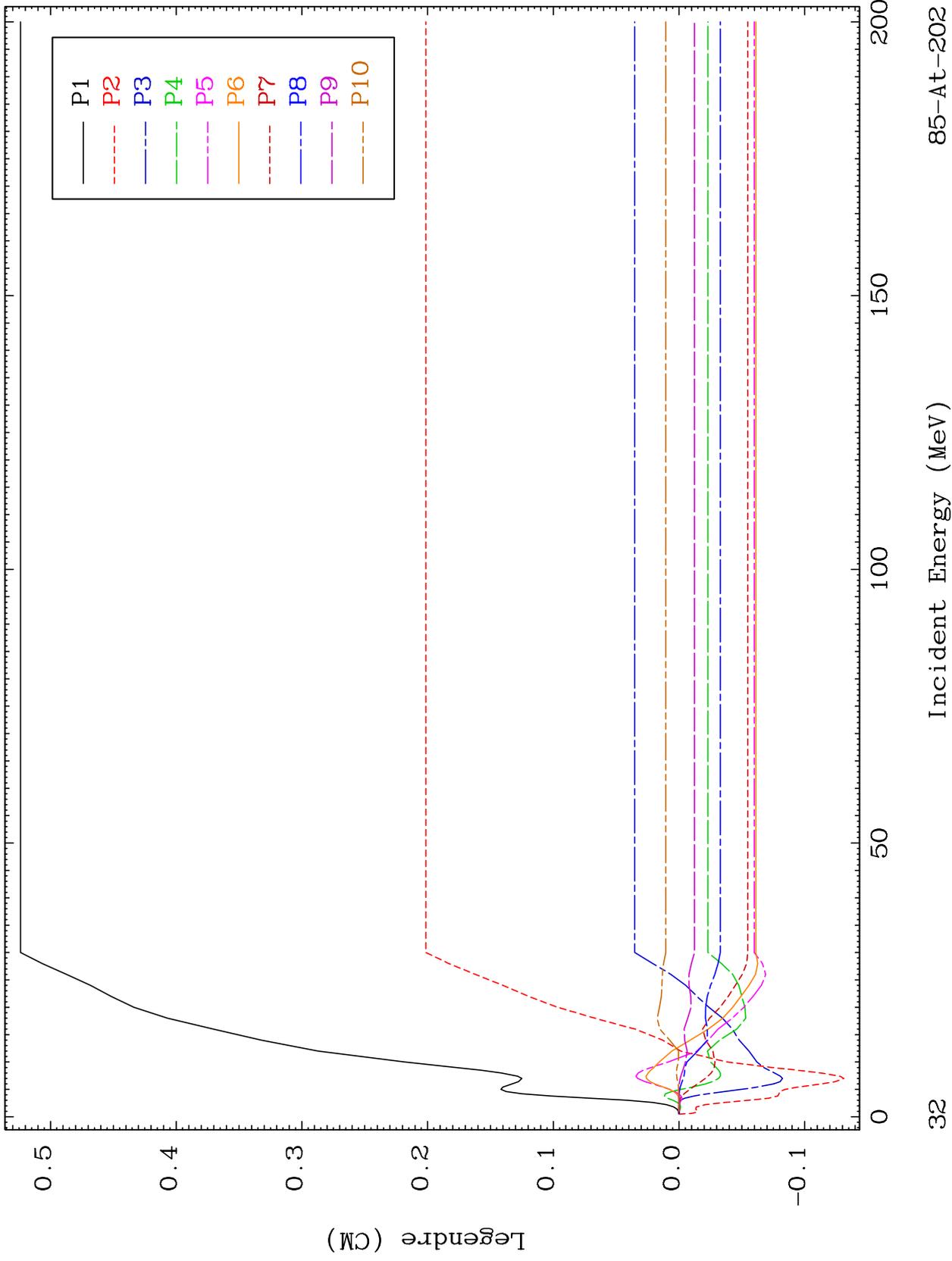


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Incident Energy (MeV)

85-At-202

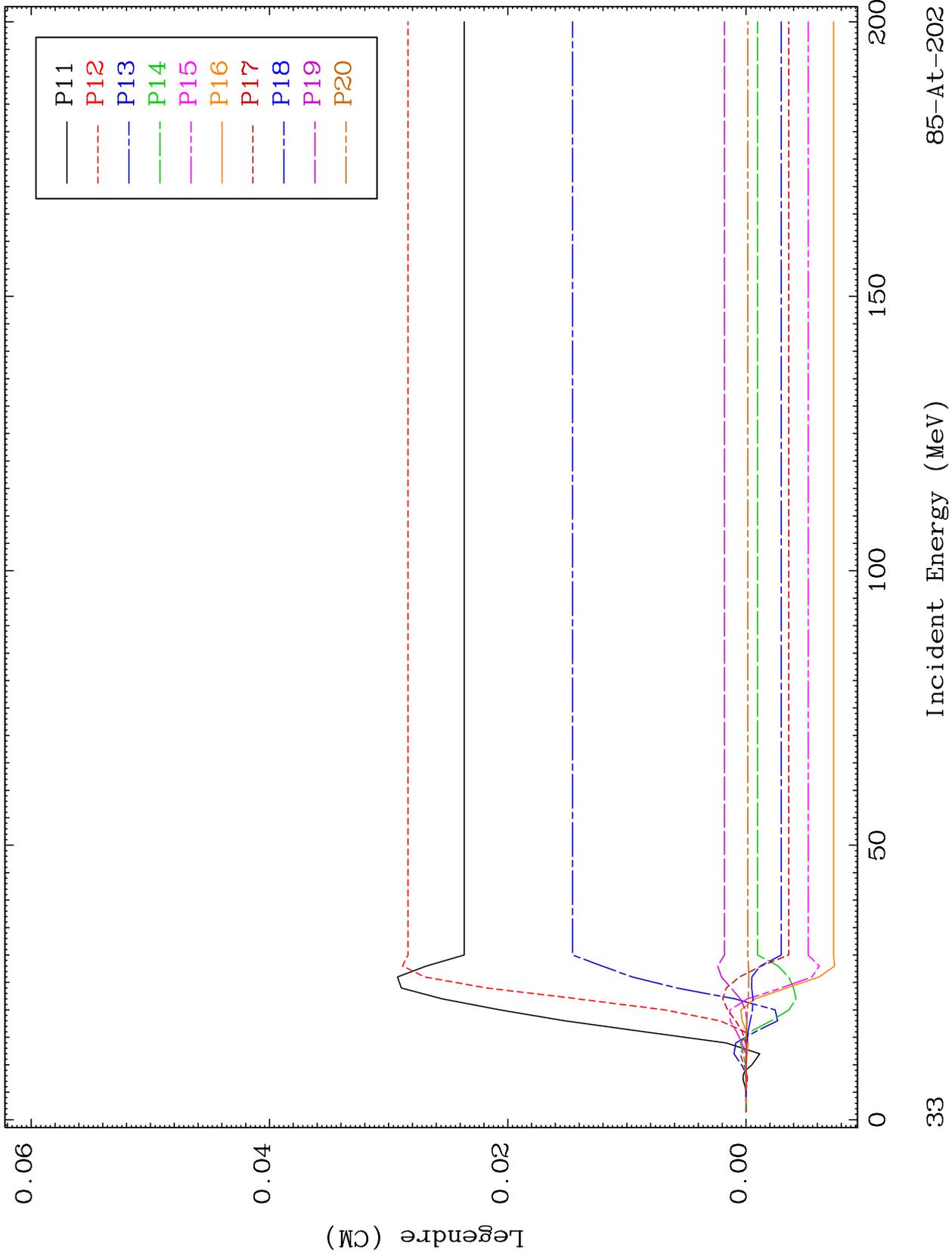




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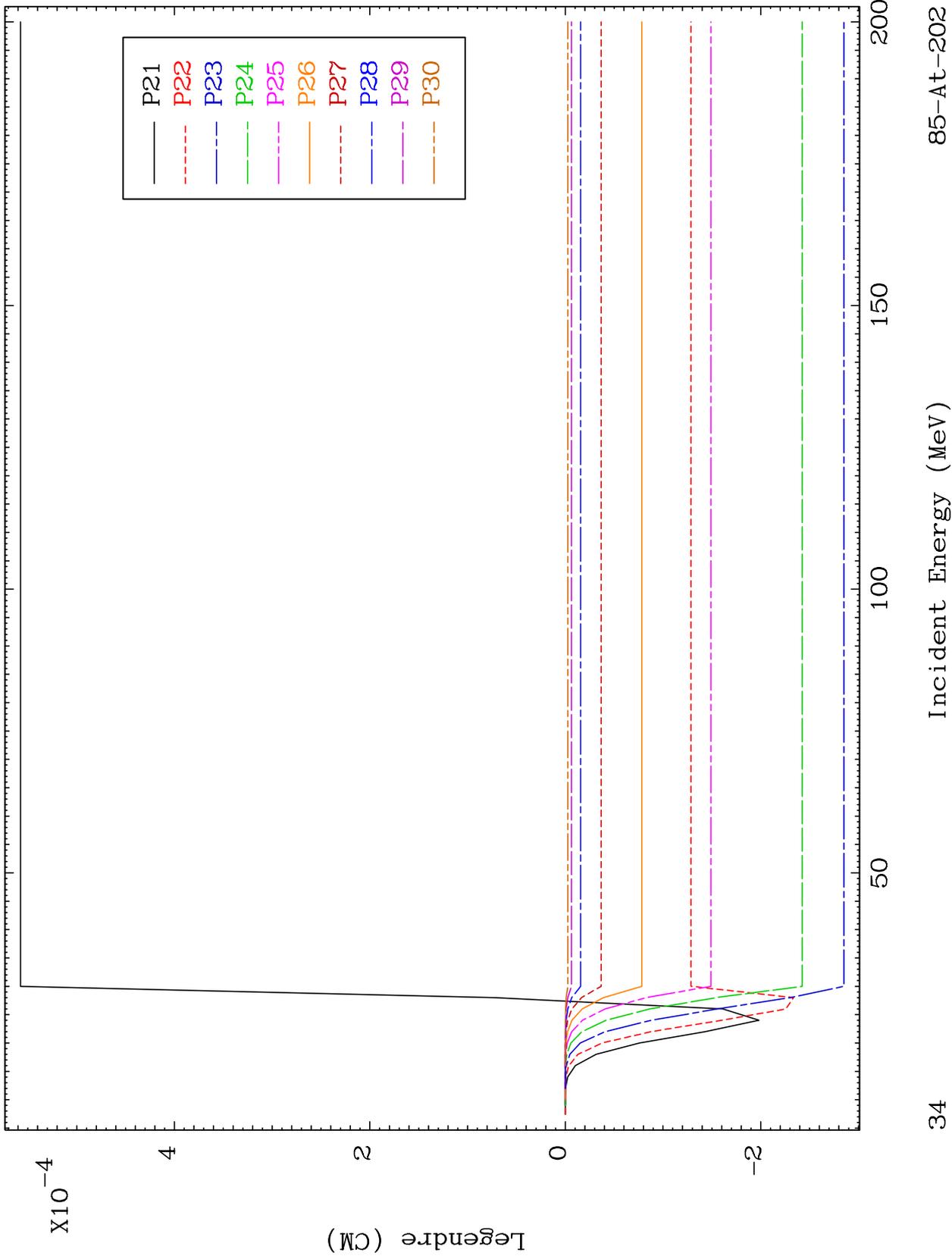
MT= 54 (n,n') Level
Legendre Coefficients

85-At-202



33

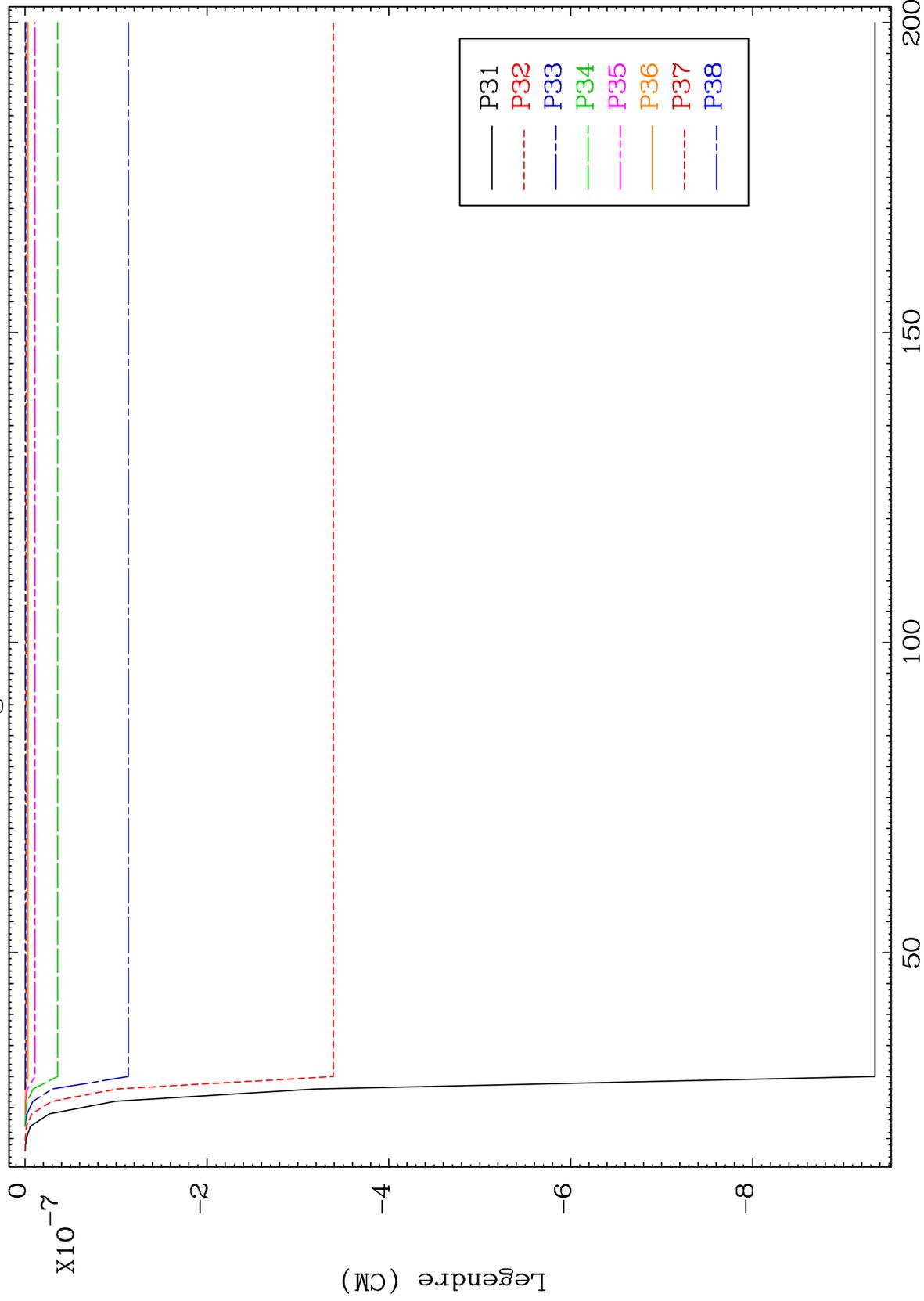
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MAT 8522

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

85-At-202



35

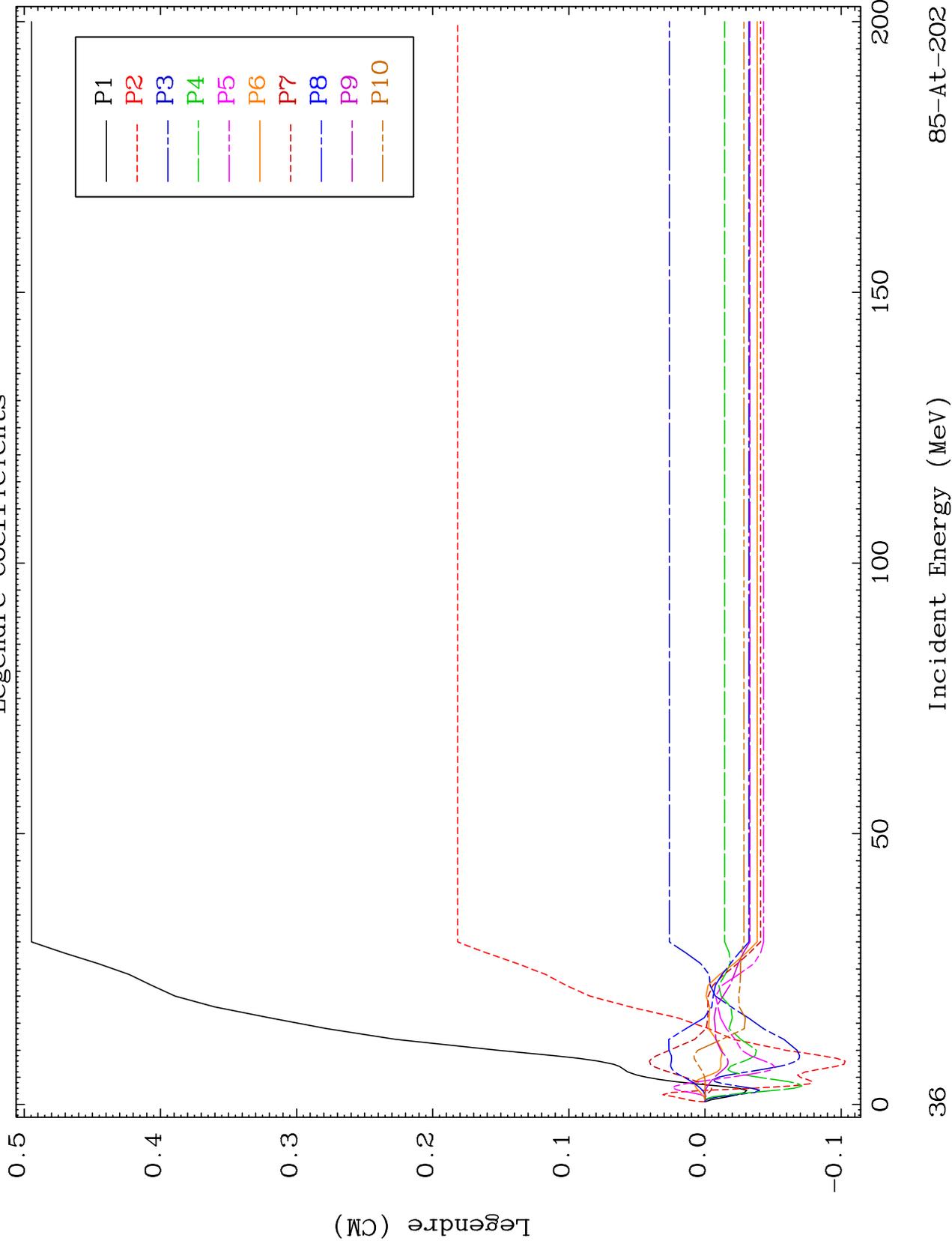
Incident Energy (MeV)

85-At-202

MAT 85222

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

85-At-202



36

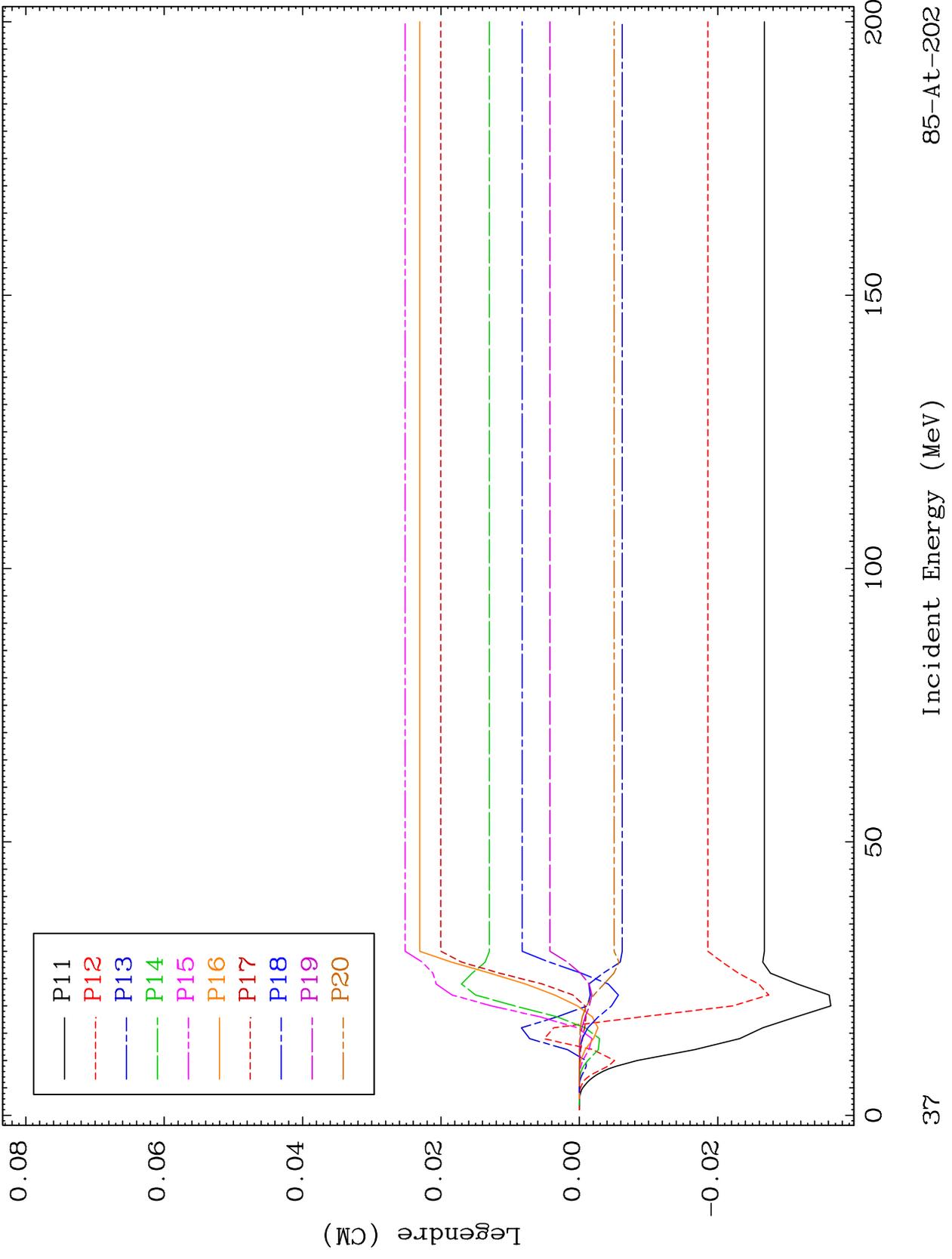
Incident Energy (MeV)

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MAT 85222

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

85-At-202



37

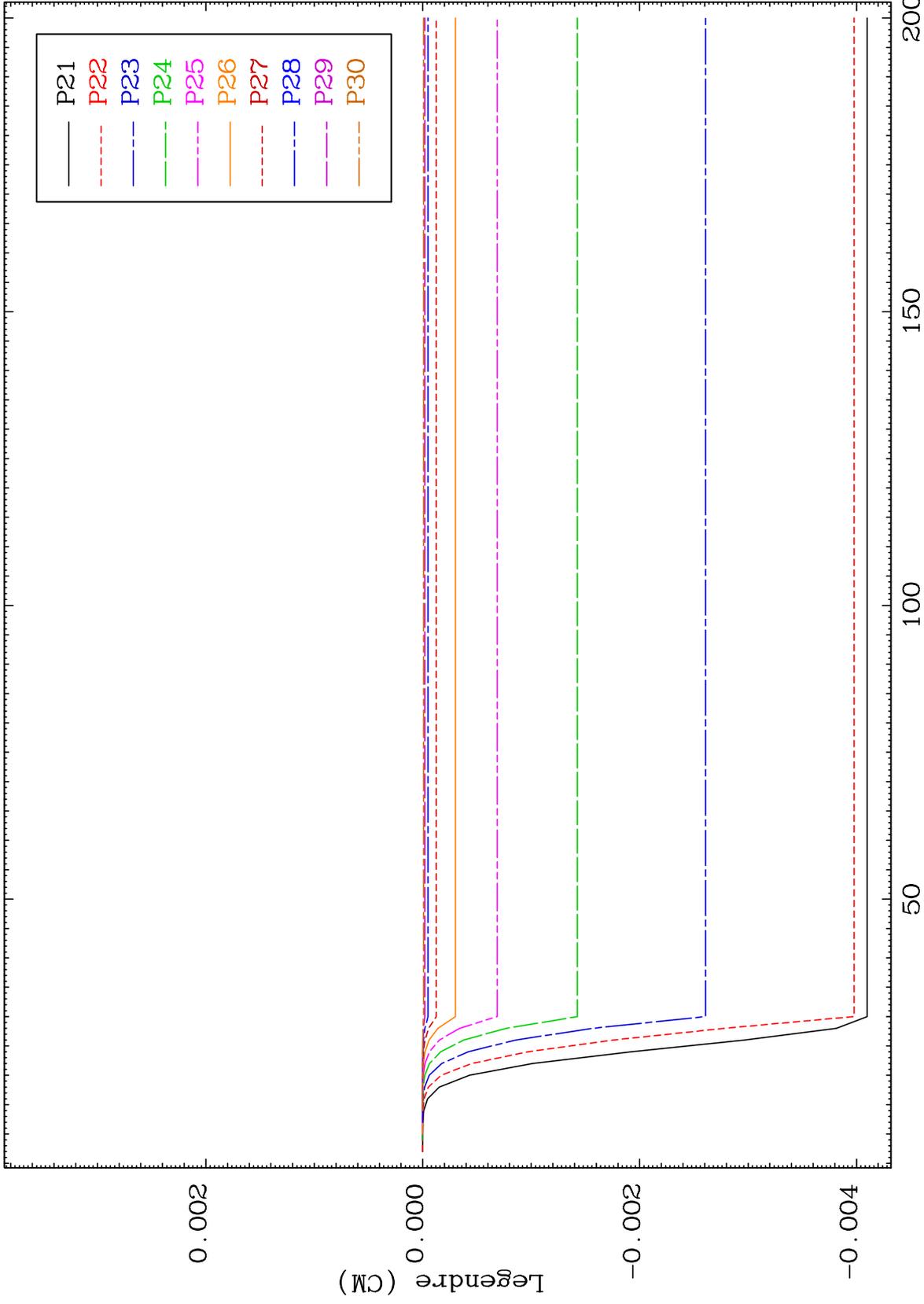
Incident Energy (MeV)

85-At-202

MAT 8522

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

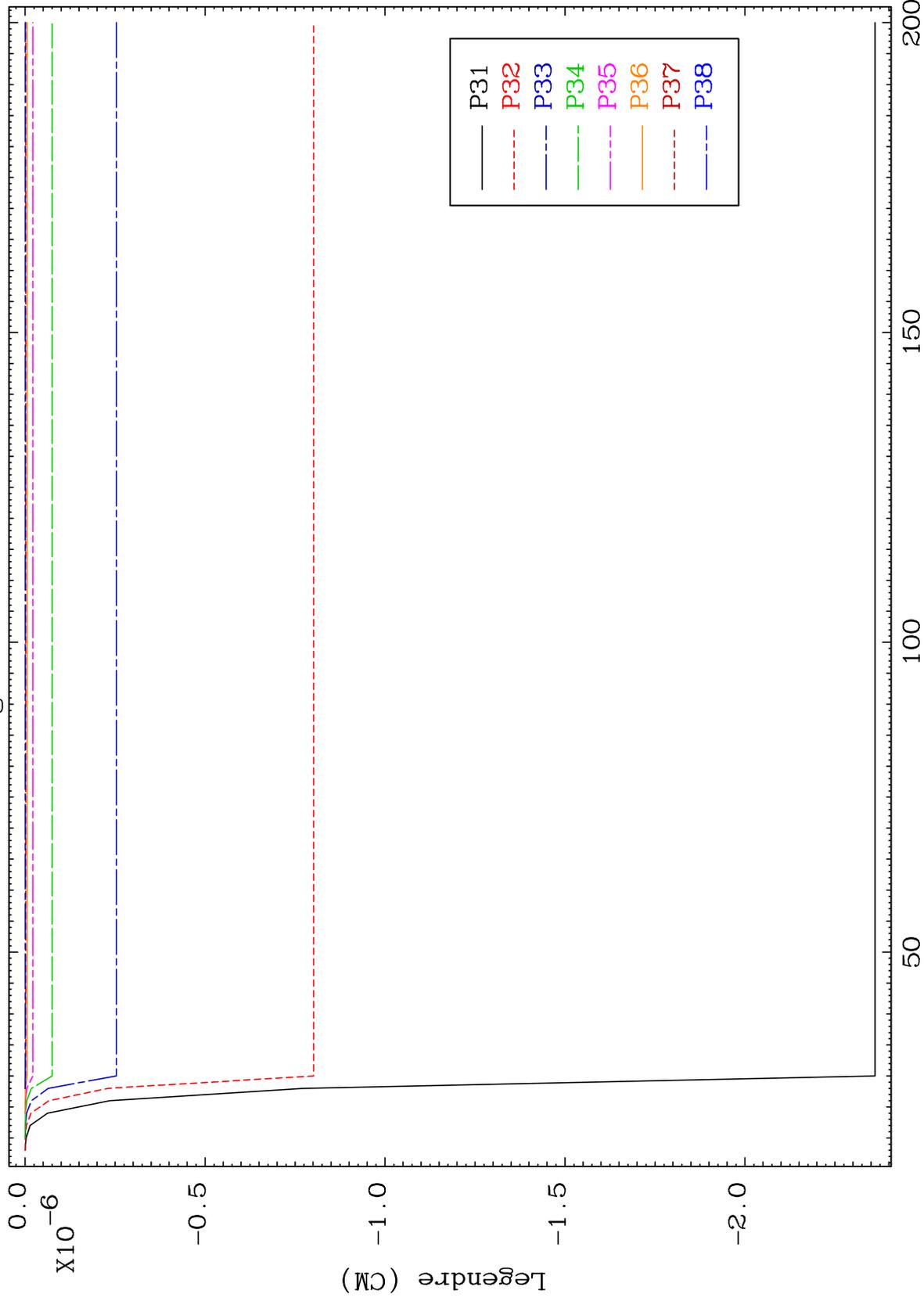
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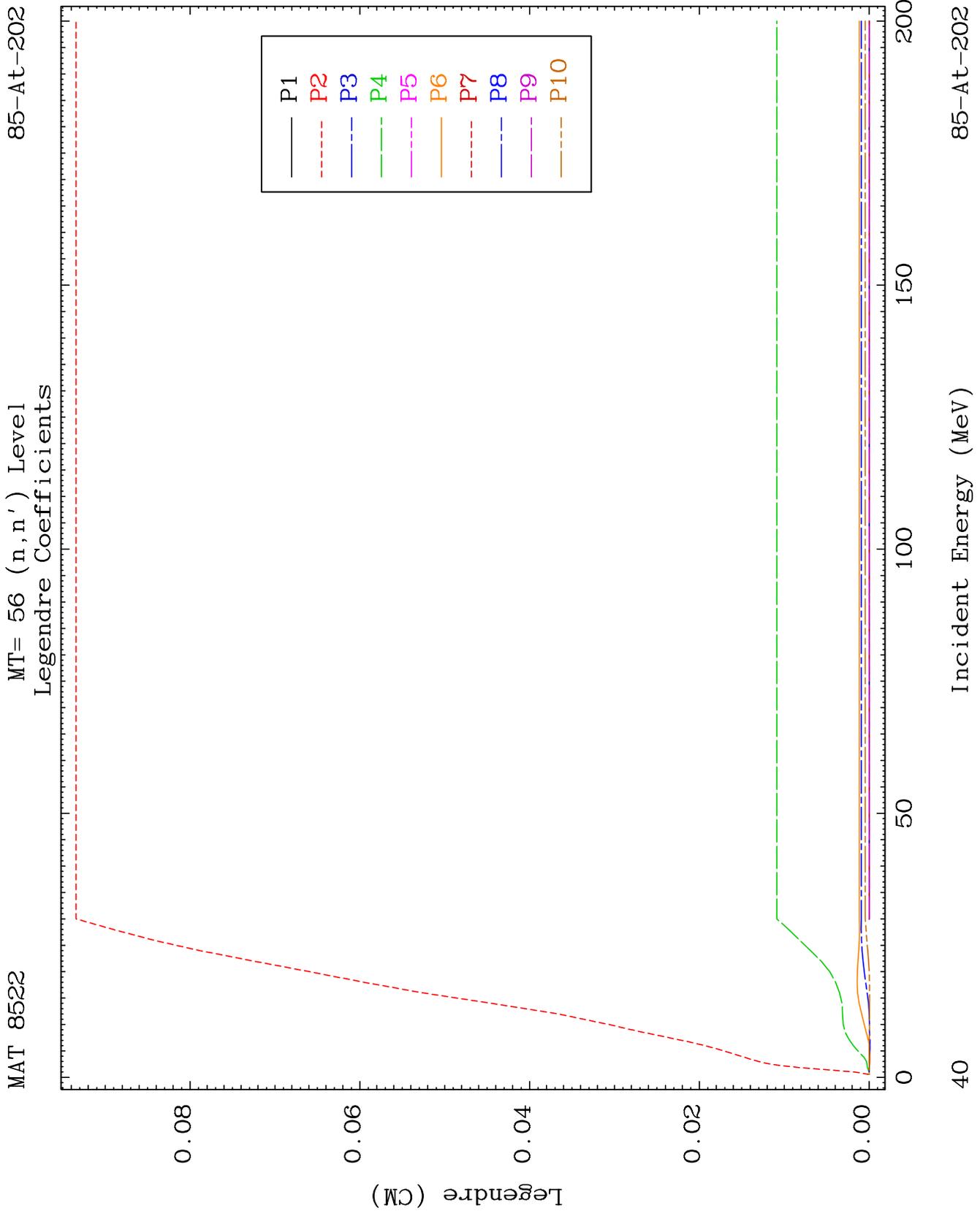


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Incident Energy (MeV)

85-At-202

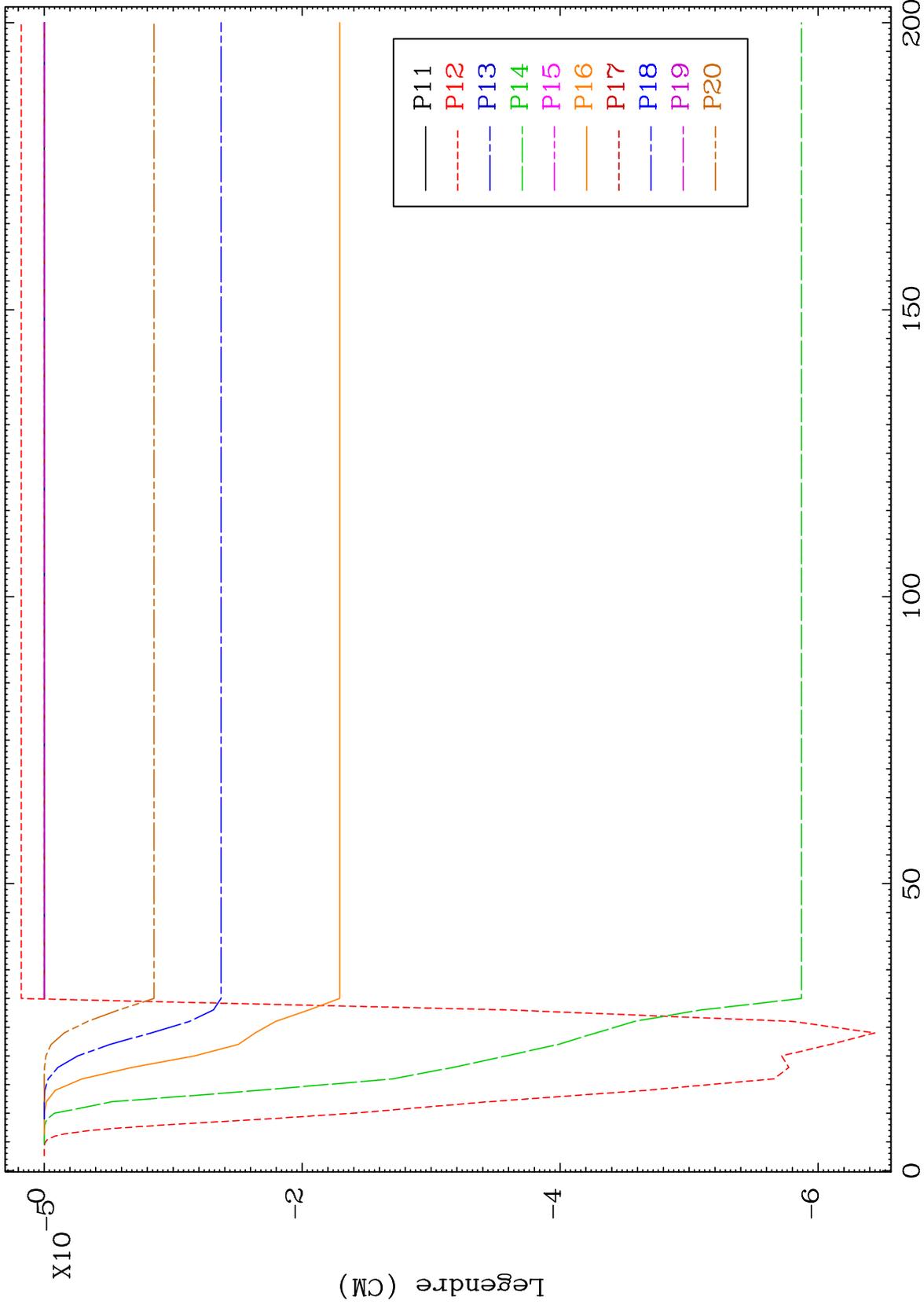




MAT 85222

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

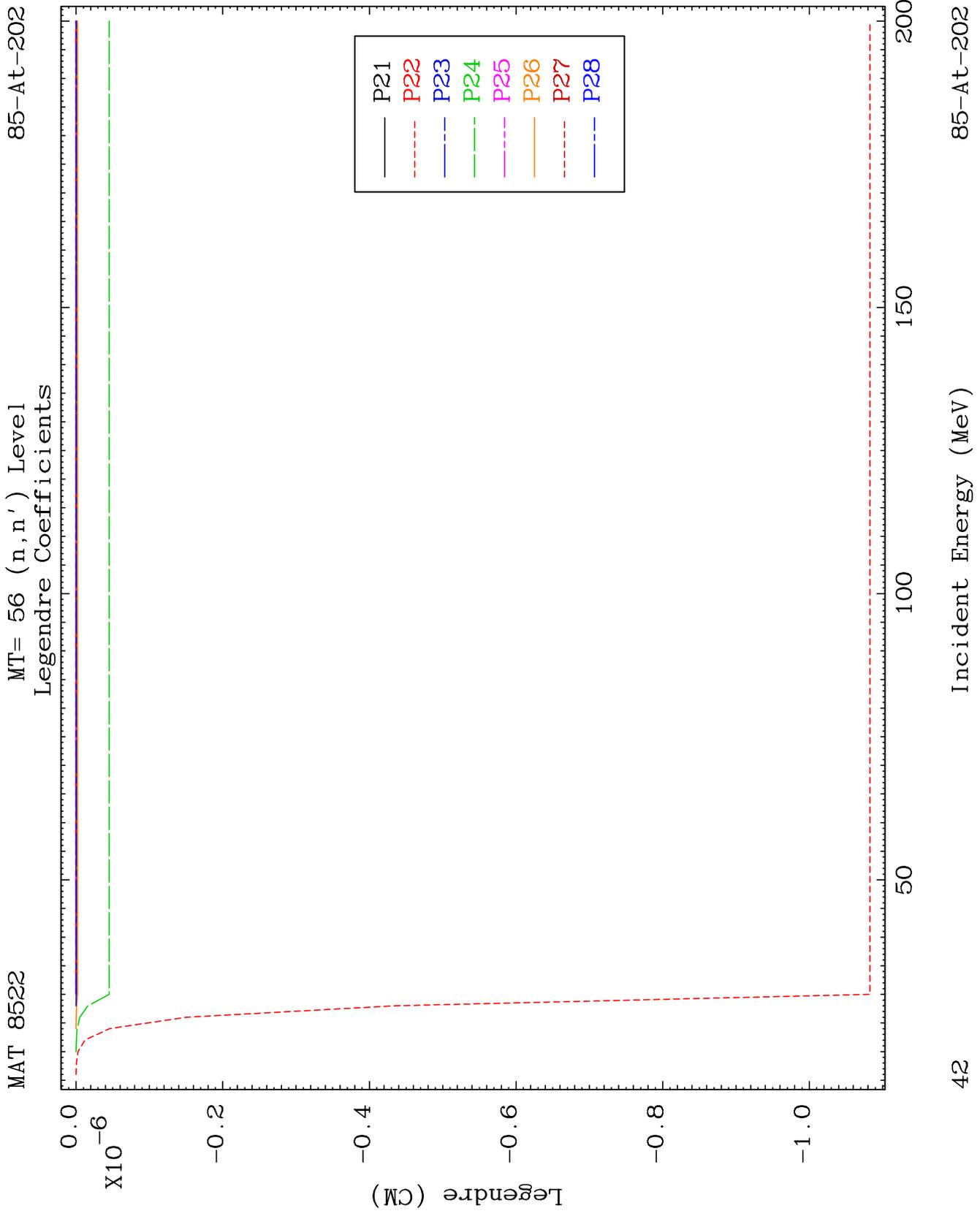
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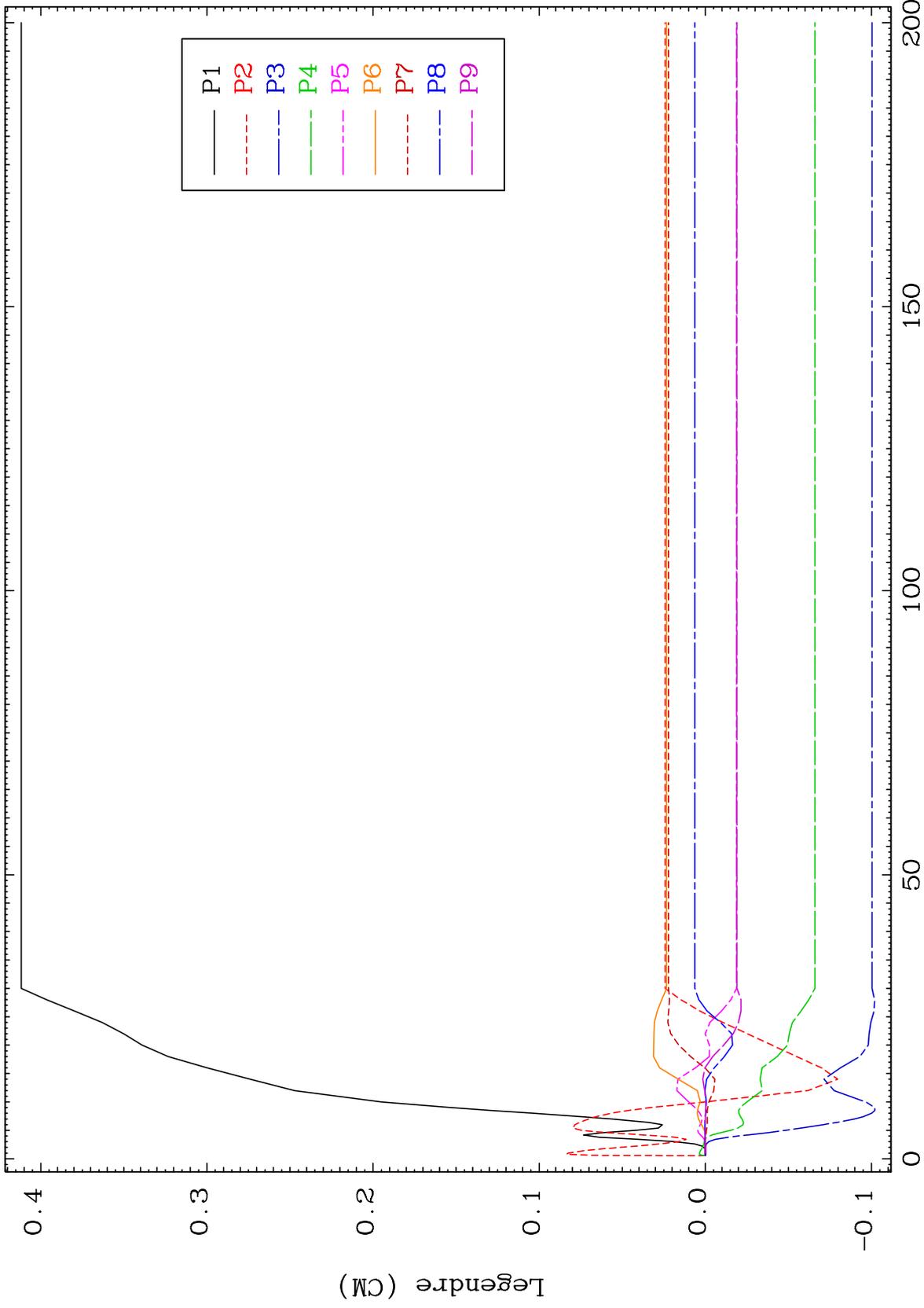


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Incident Energy (MeV)

85-At-202

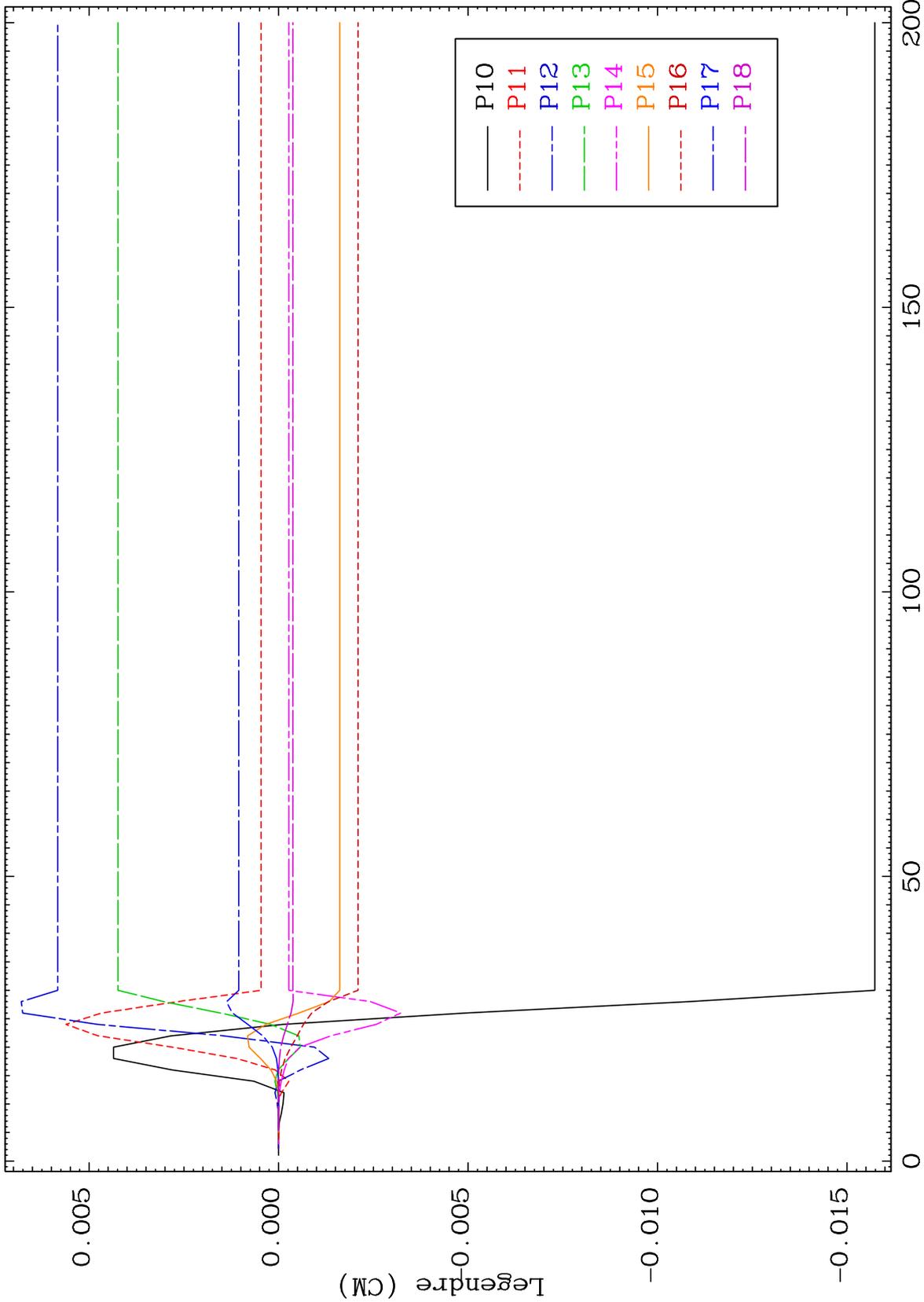




MAT 8522

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

85-At-202



44

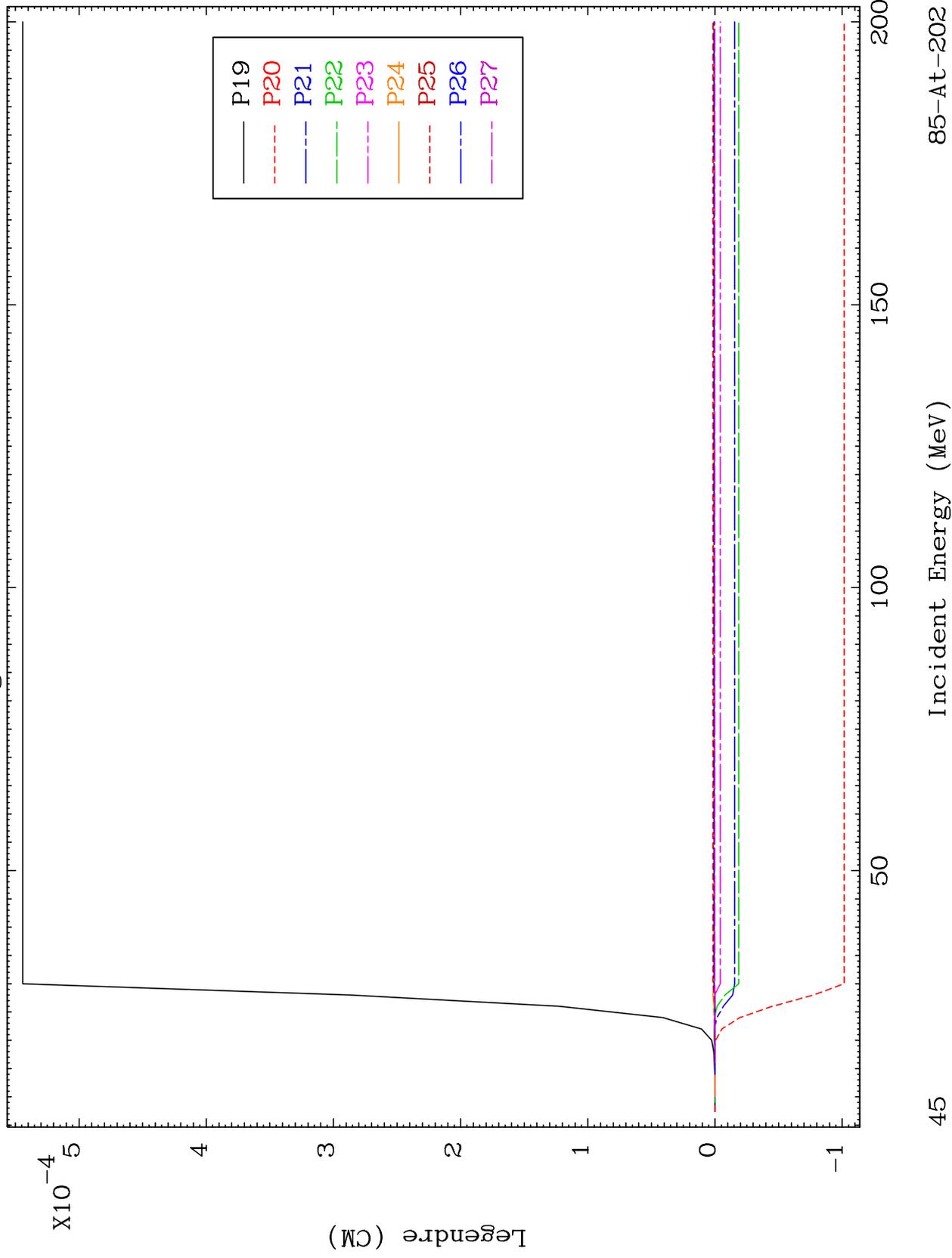
Incident Energy (MeV)

85-At-202

MAT 8522

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

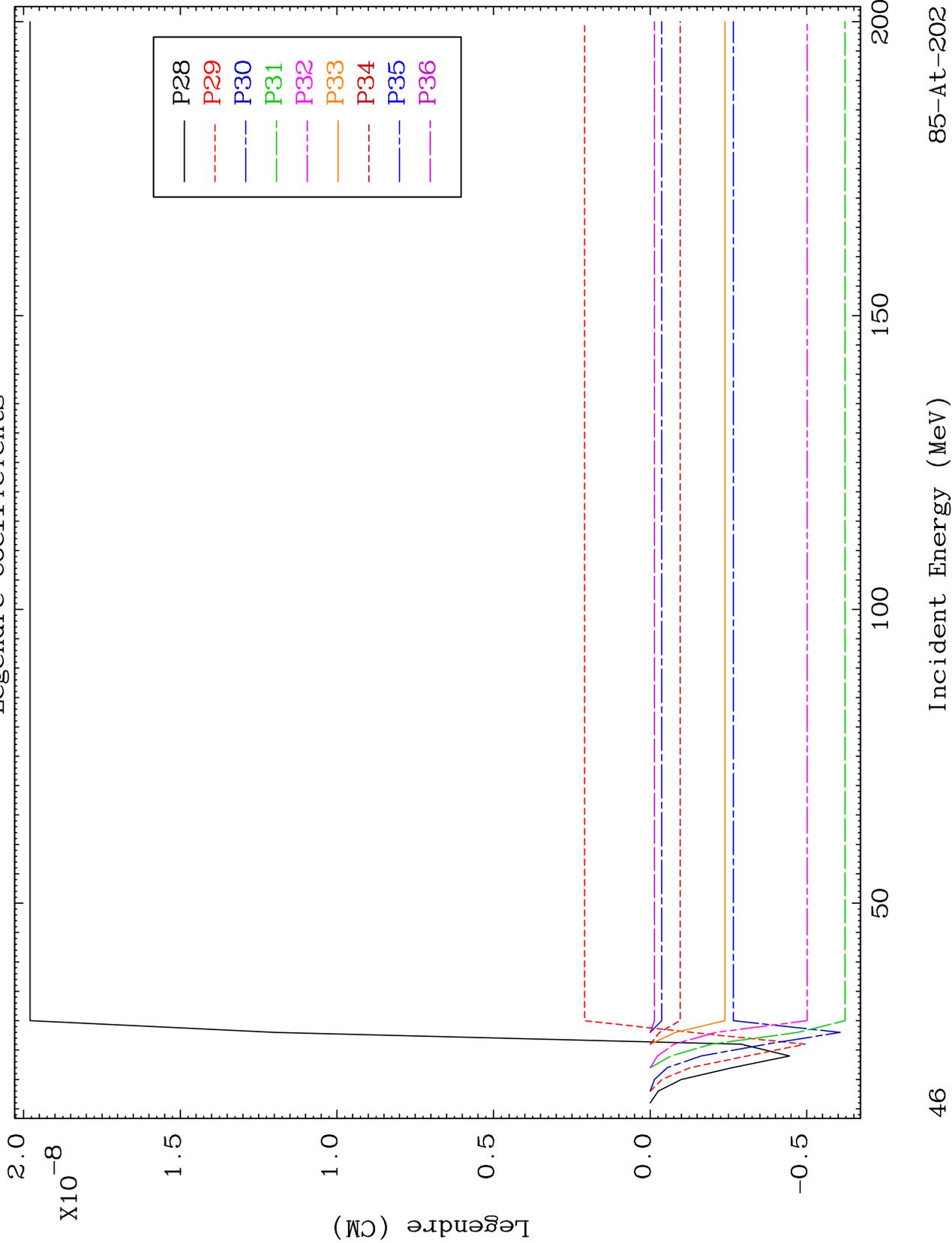
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Incident Energy (MeV)

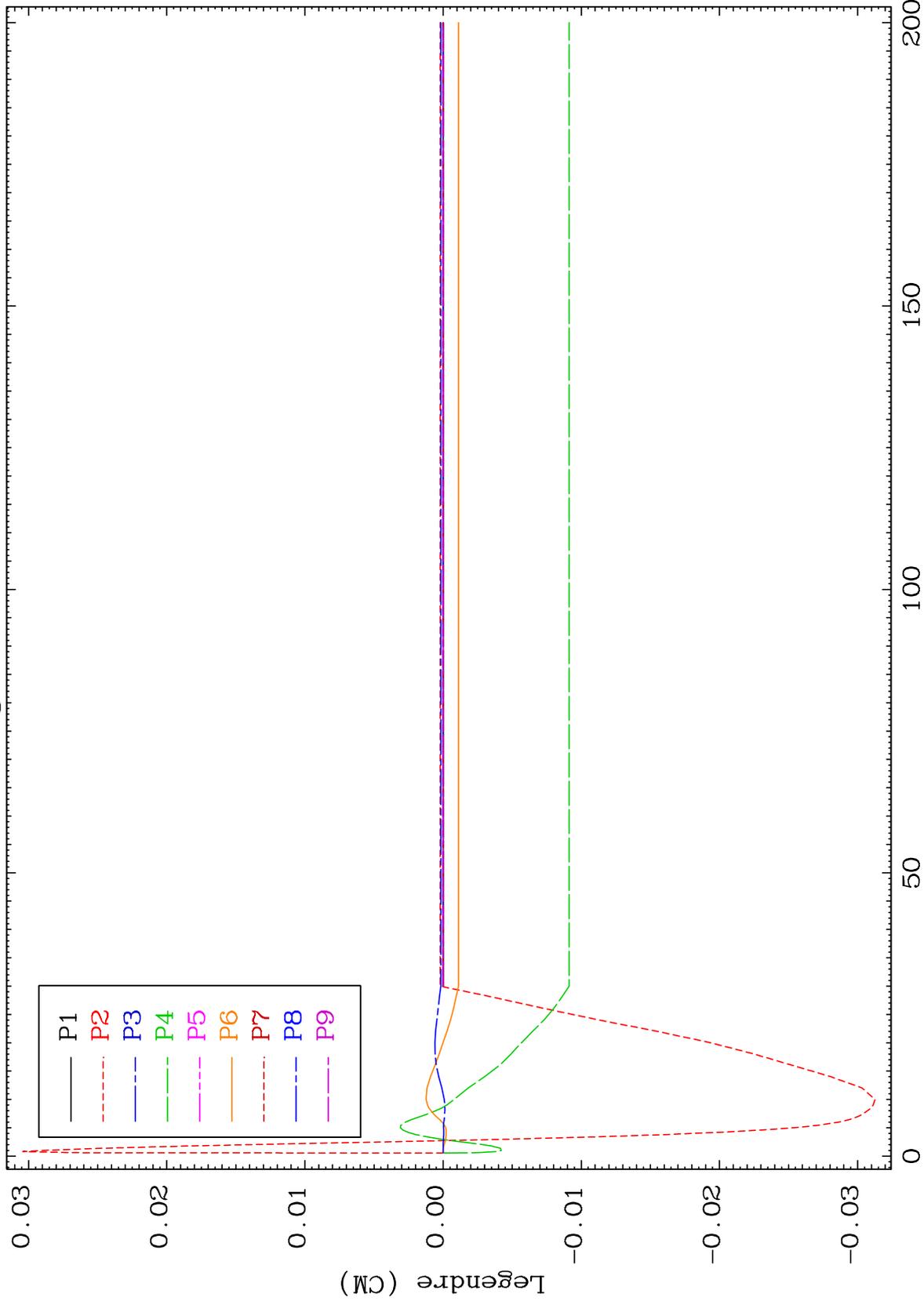
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MAT 8522

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

85-At-202



47

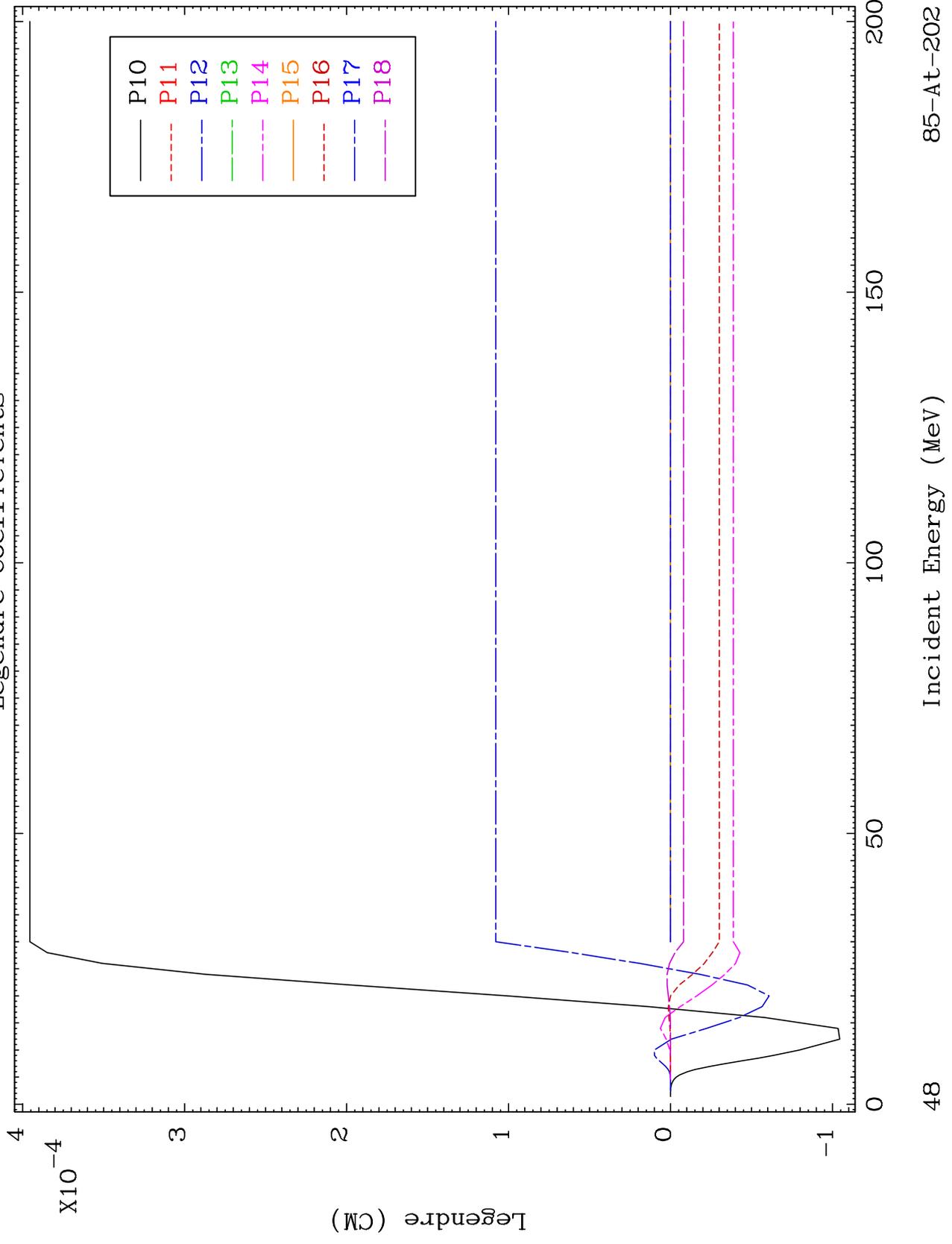
Incident Energy (MeV)

85-At-202

MAT 8522

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

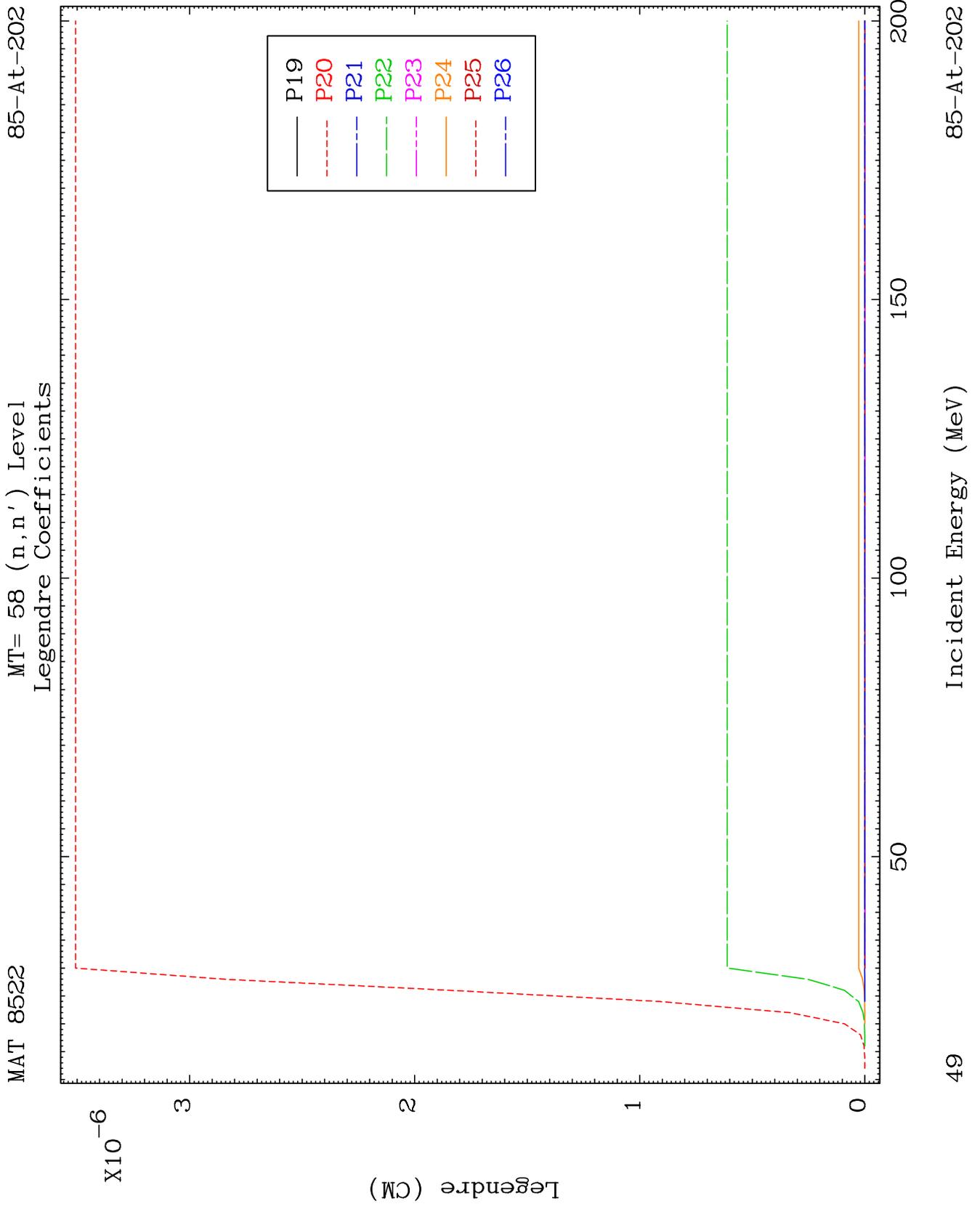
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85-At-202

Incident Energy (MeV)

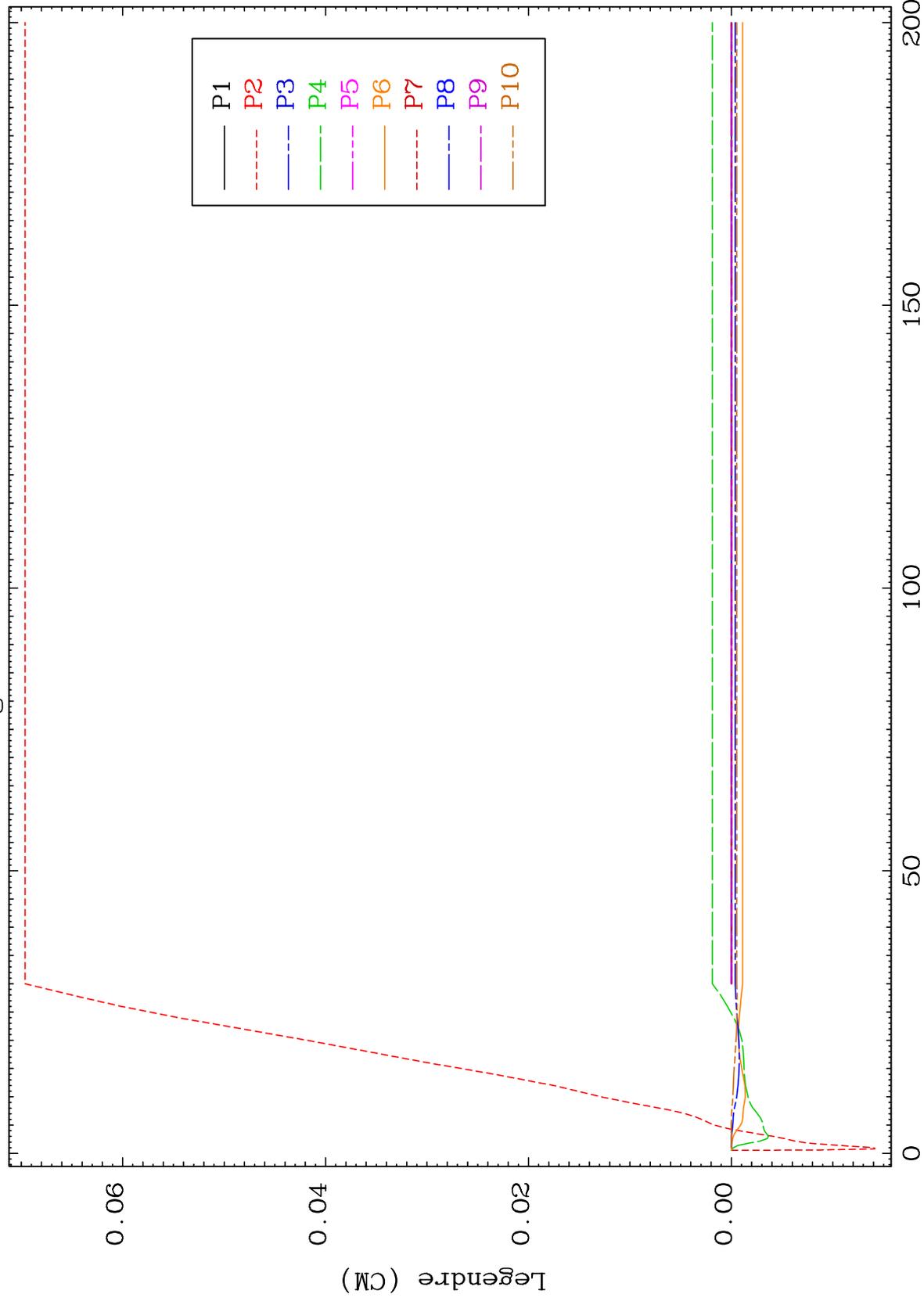
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MAT 85222

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

85-At-202



85-At-202

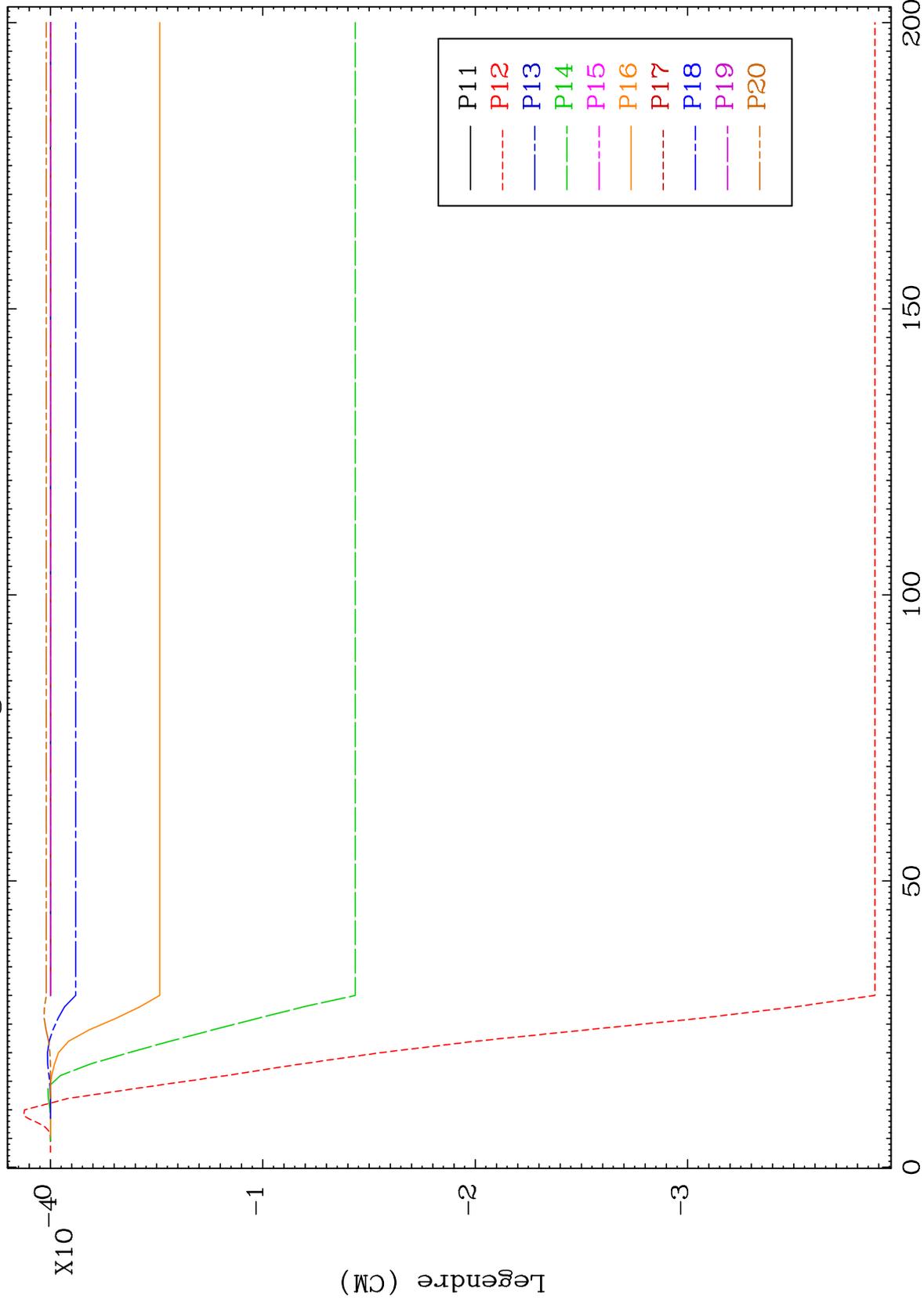
Incident Energy (MeV)

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MAT 8522

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

85-At-202



51

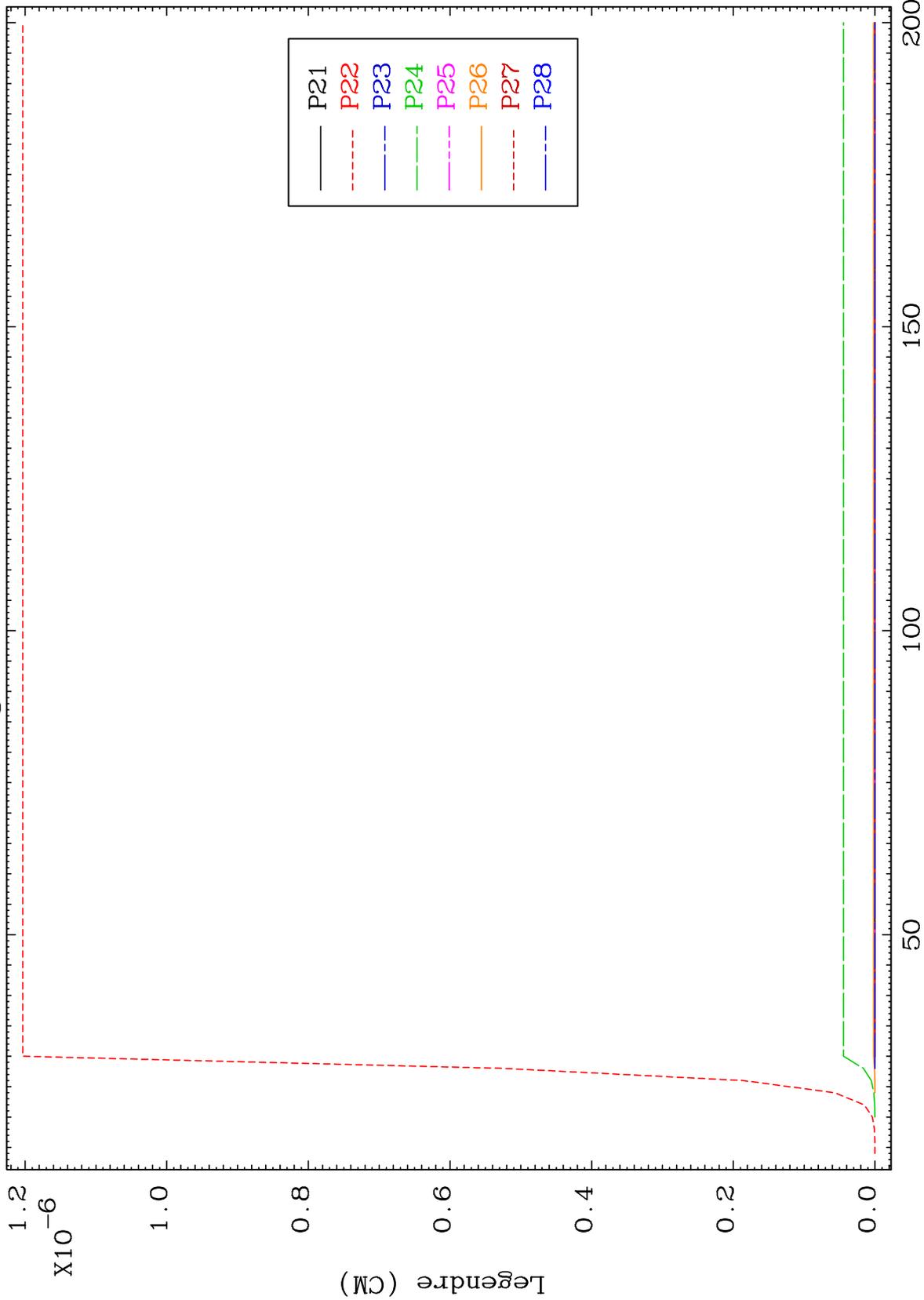
Incident Energy (MeV)

85-At-202

MAT 85222

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

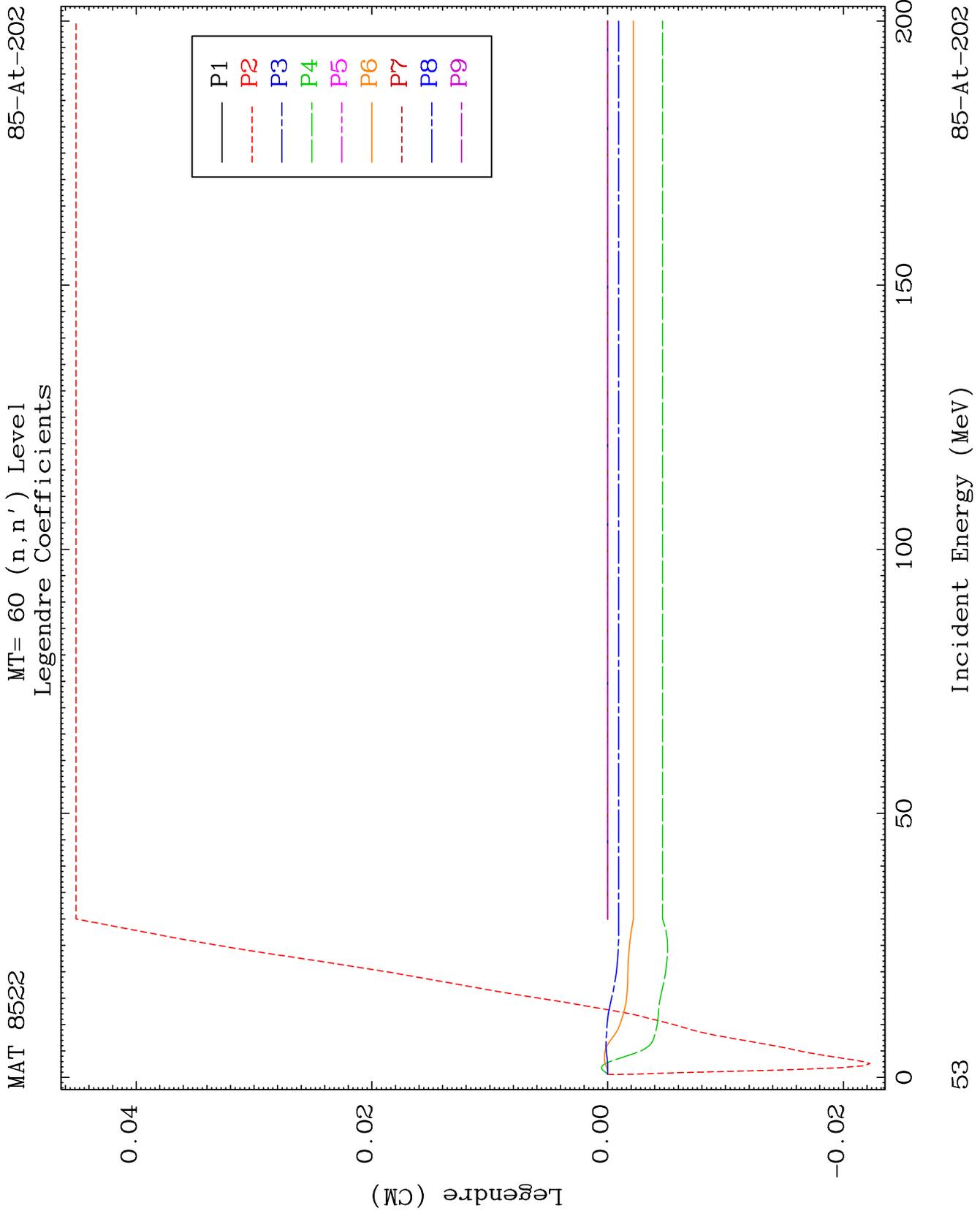
85-At-202



52

Incident Energy (MeV)

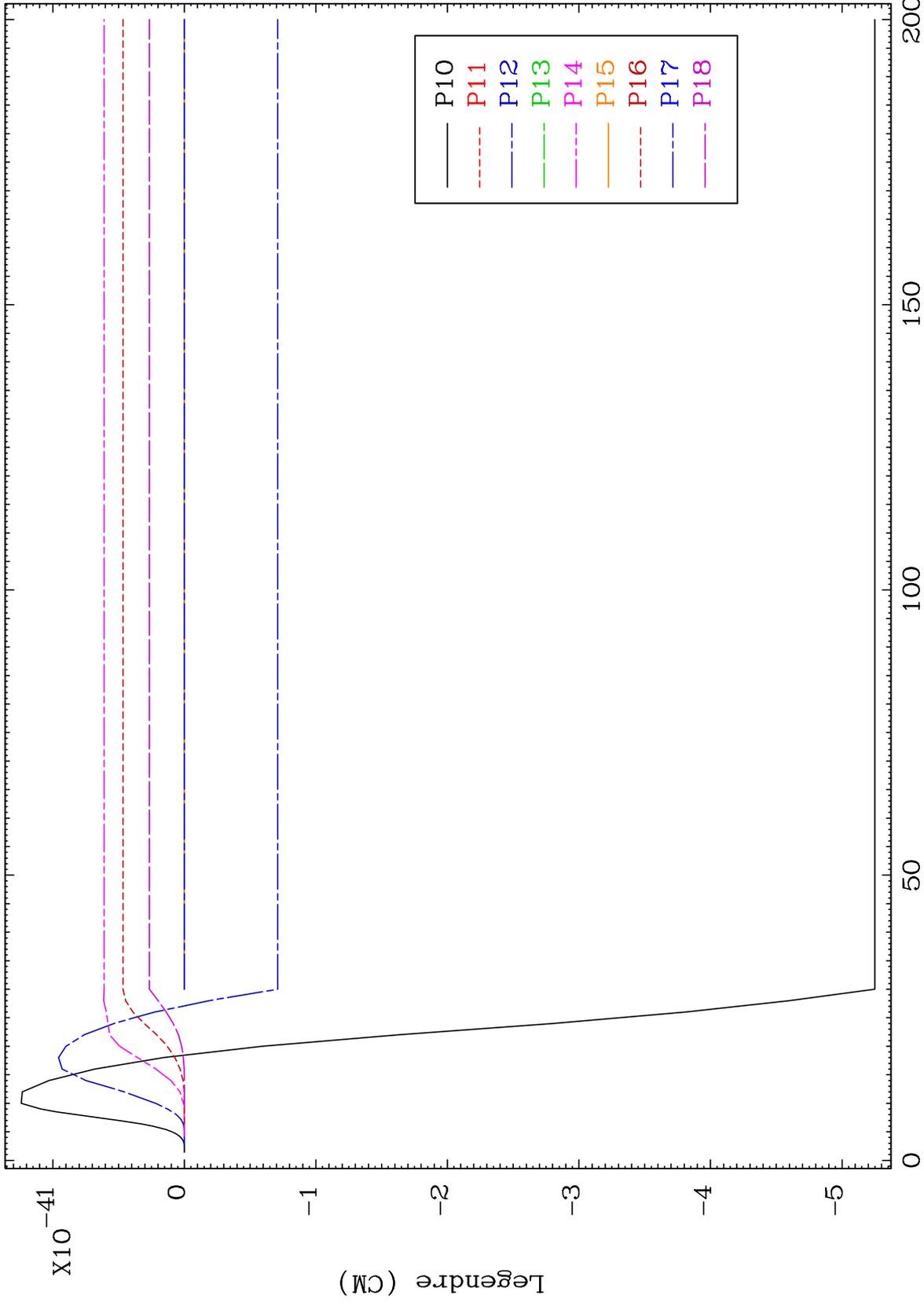
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MAT 8522

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

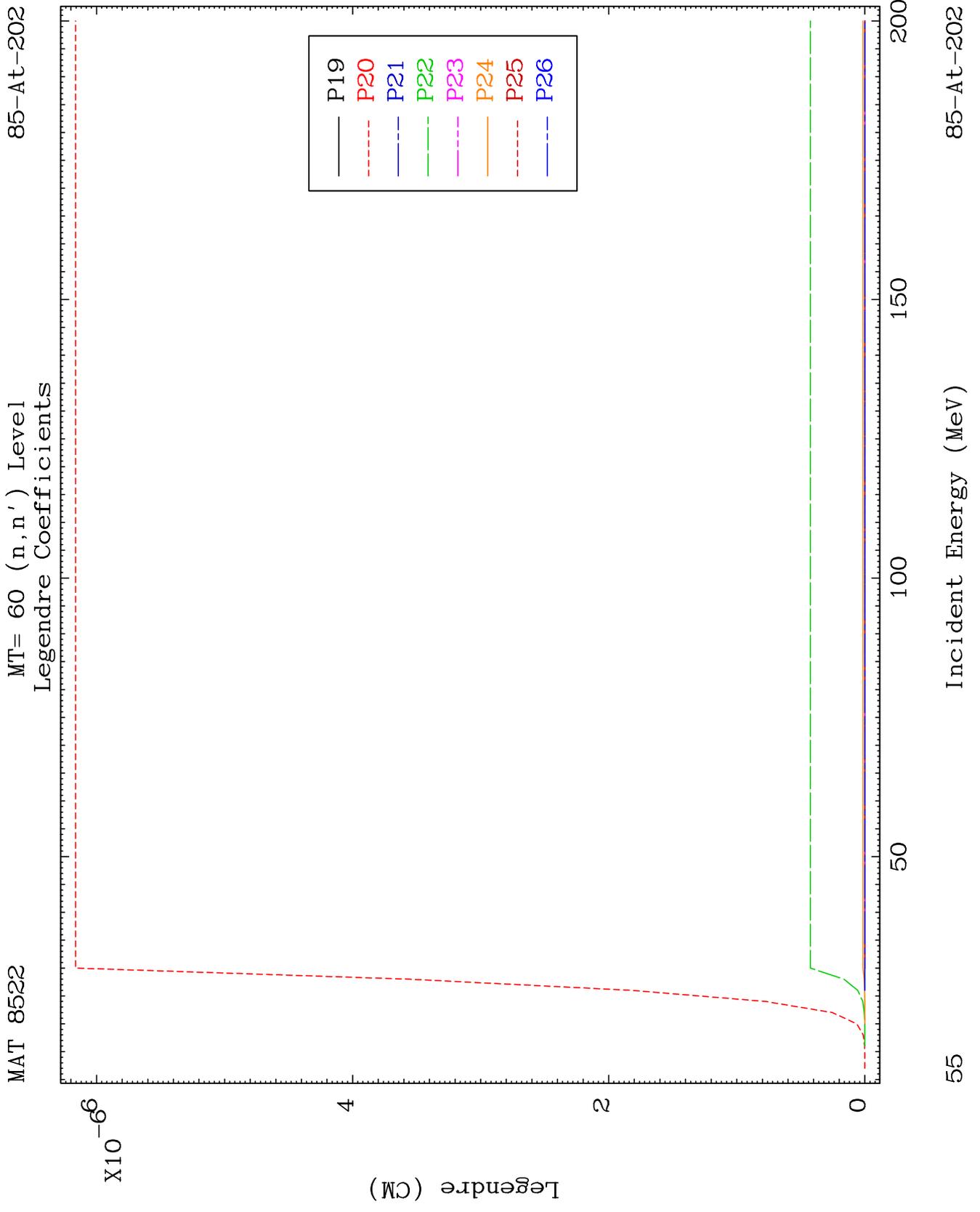
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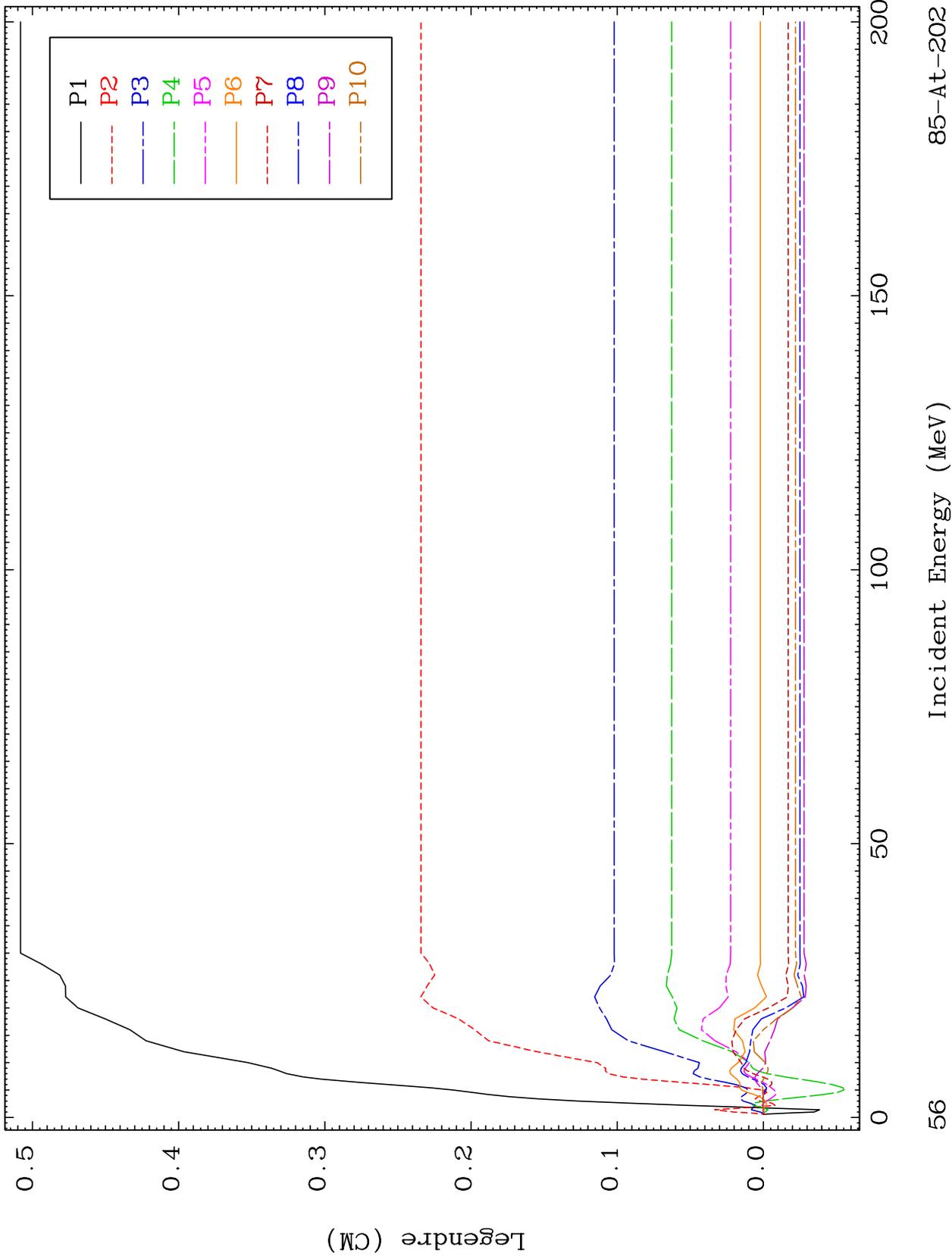
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MAT 85222

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

85-At-202



56

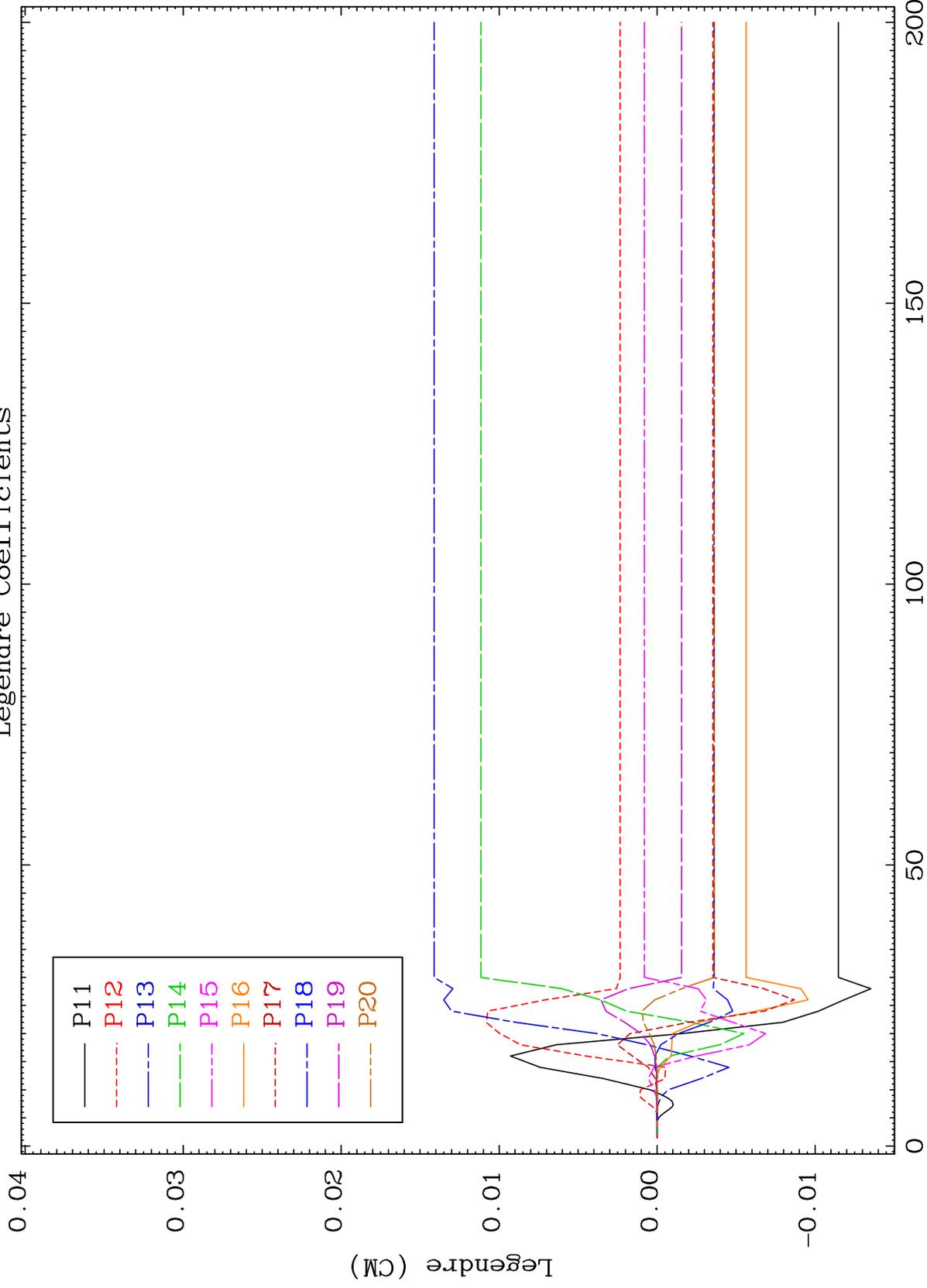
Incident Energy (MeV)

85-At-202

MAT 85222

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

85-At-202



57

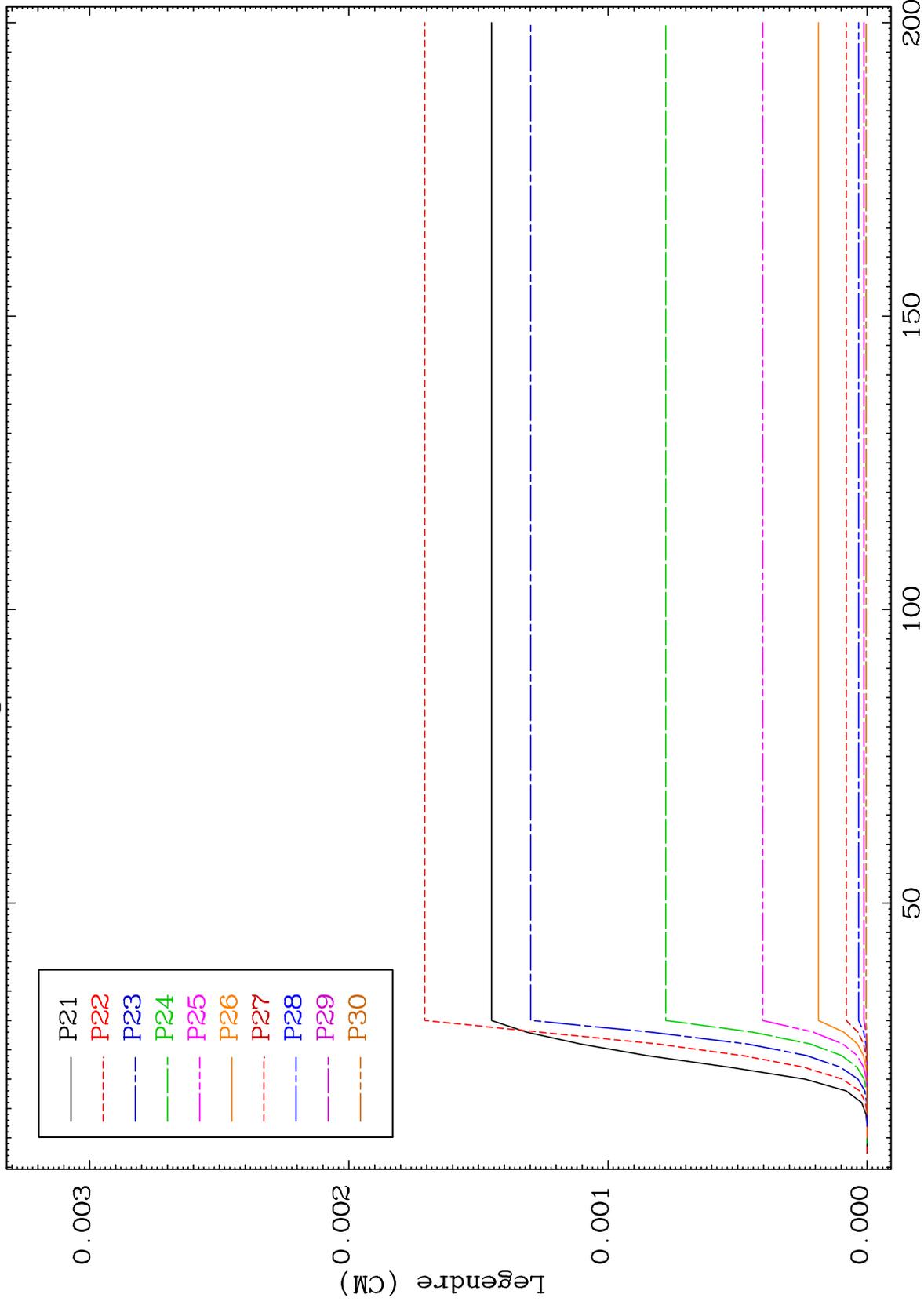
Incident Energy (MeV)

85-At-202

MAT 85222

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

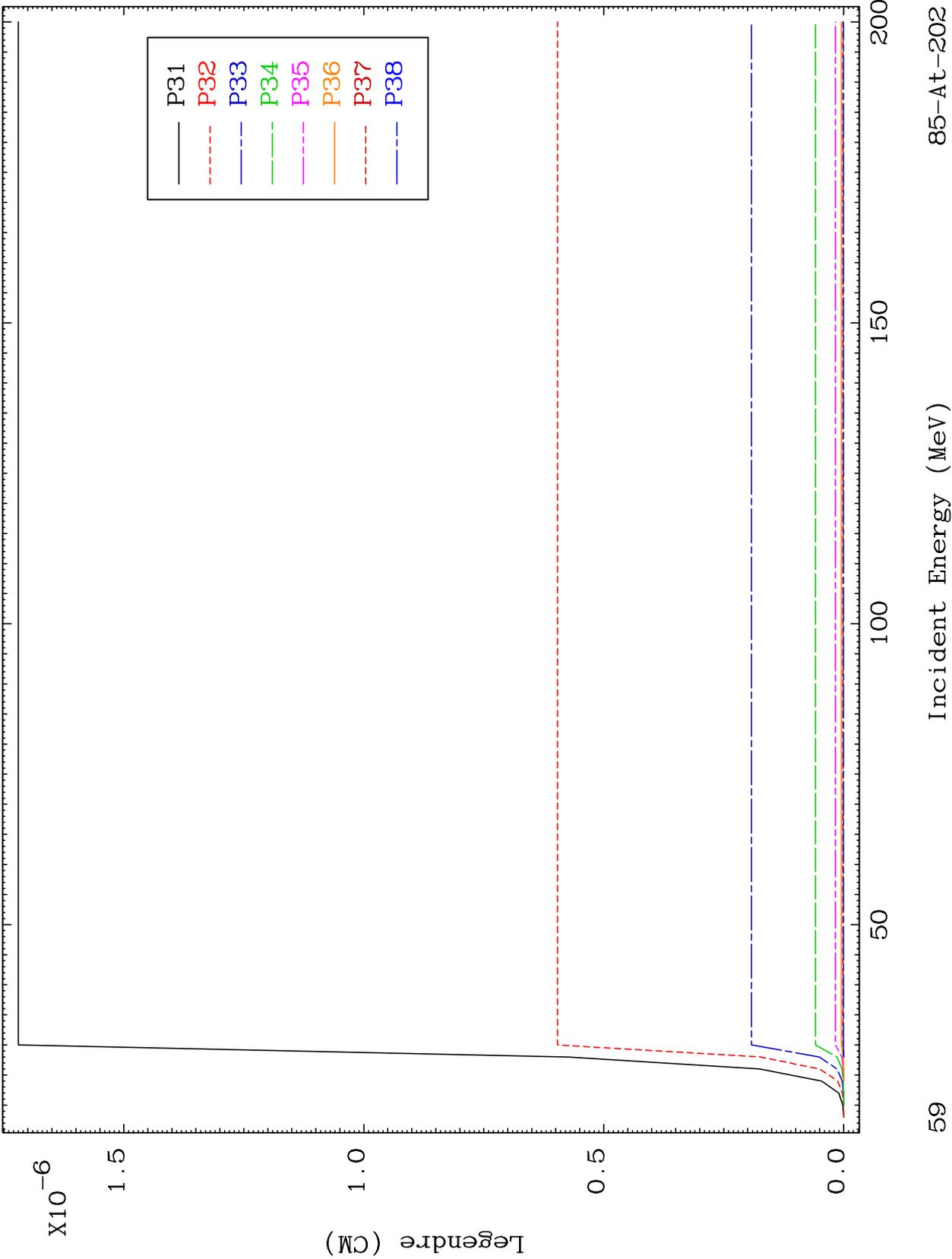
85-At-202



58

Incident Energy (MeV)

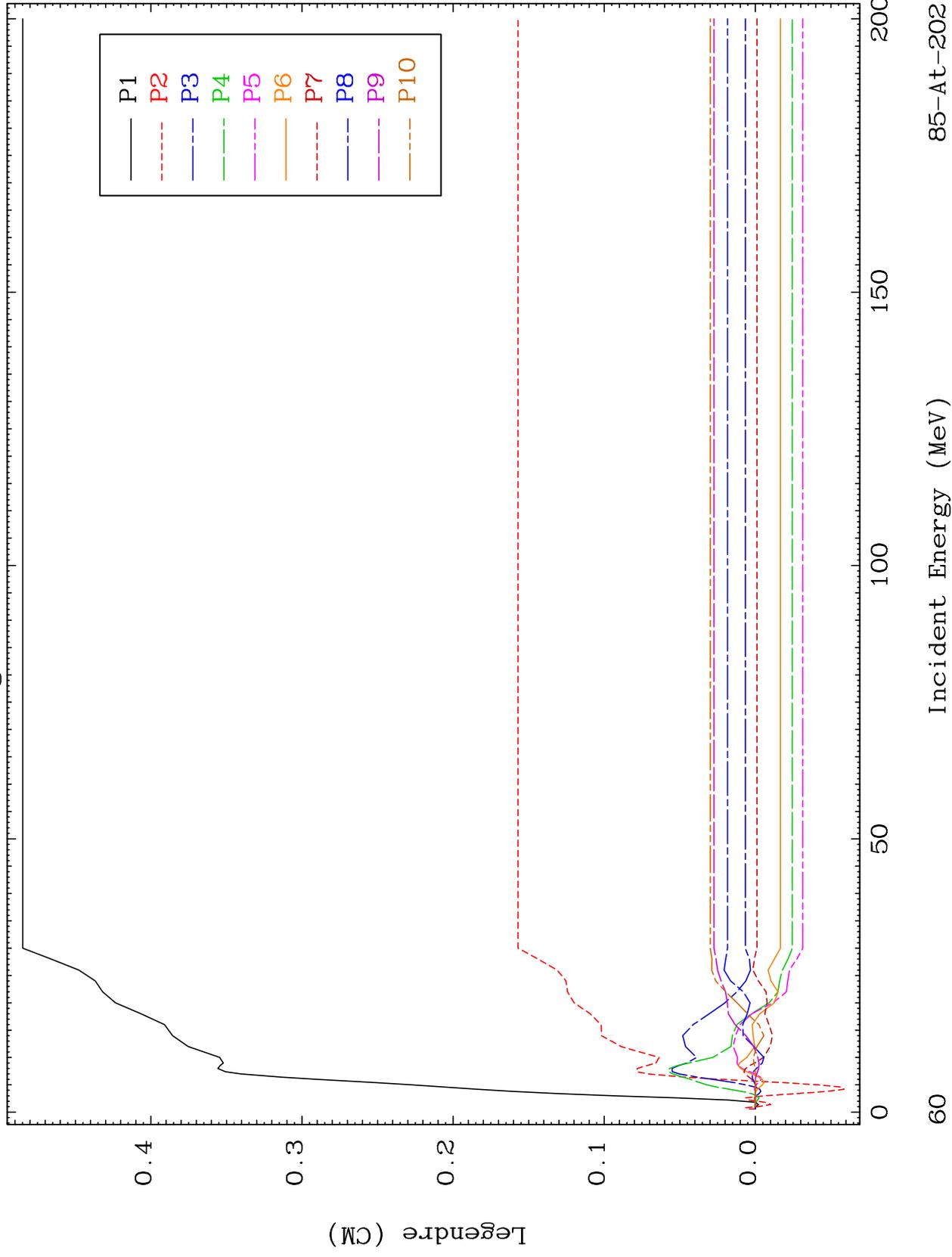
85-At-202



MAT 8522

MT= 62 (n,n') Level
Legendre Coefficients

85-At-202

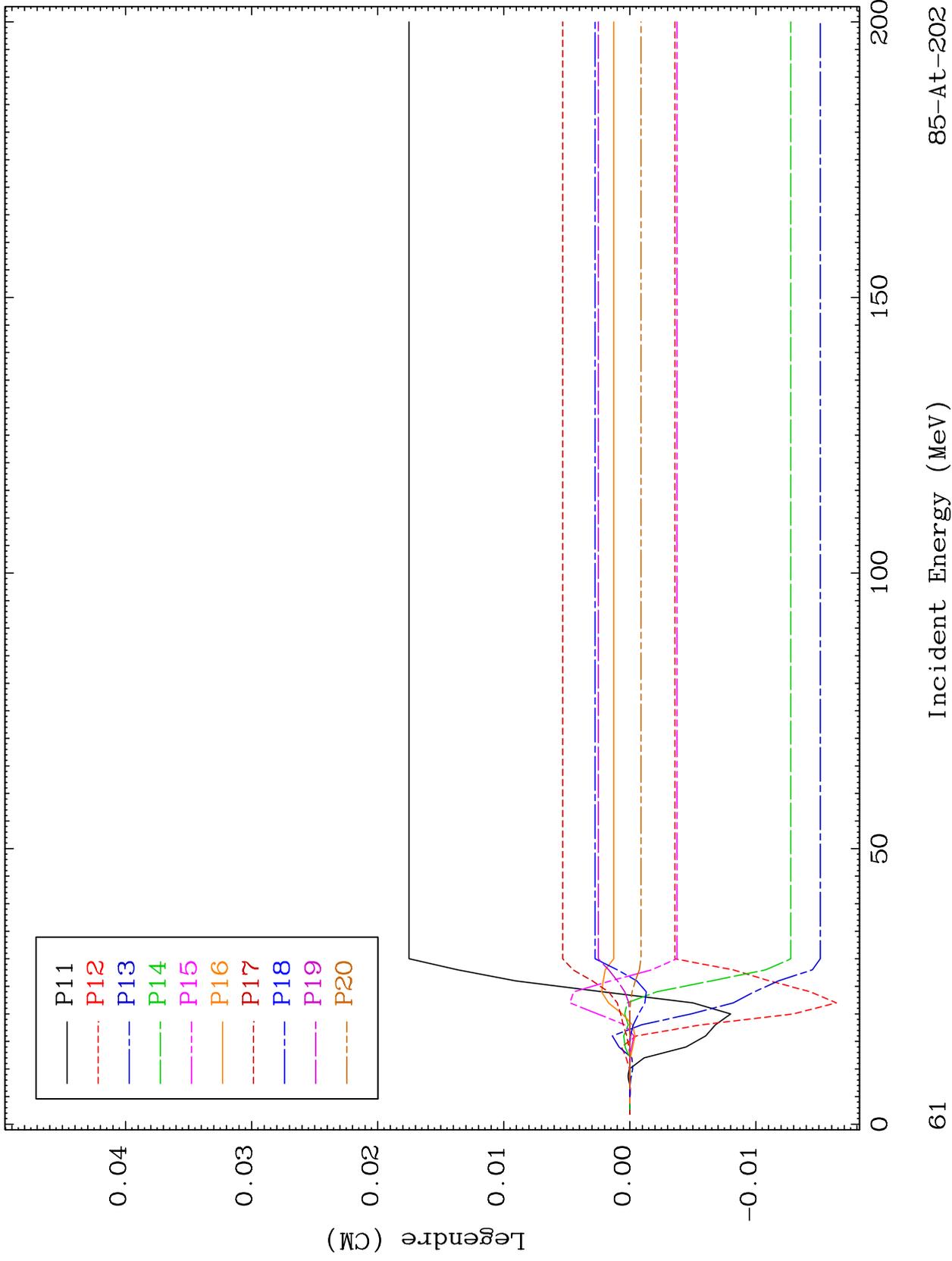


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MAT 85222

MT= 62 (n,n') Level
Legendre Coefficients

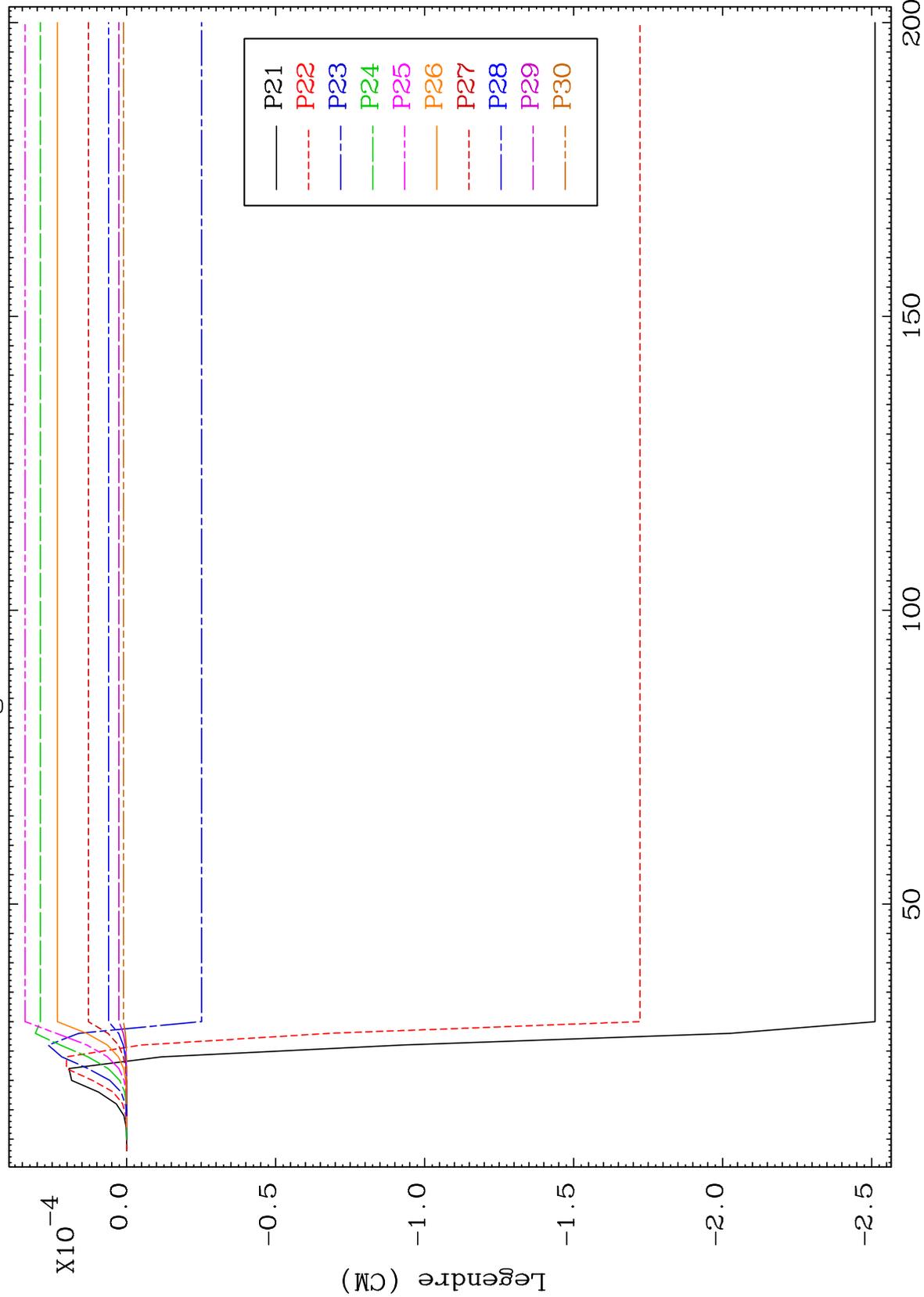
85-At-202



61

Incident Energy (MeV)

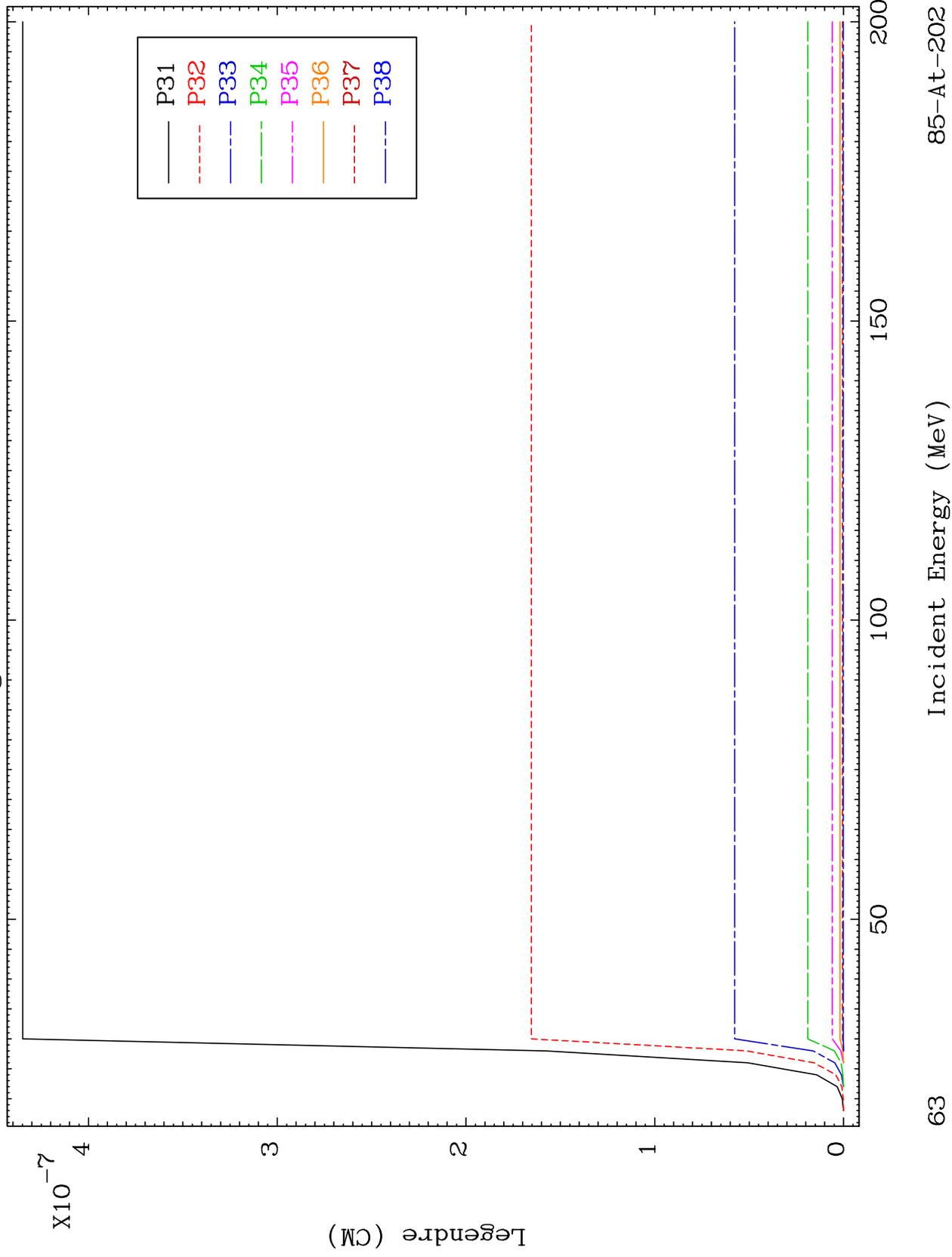
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MAT 8522

MT= 62 (n,n') Level
Legendre Coefficients

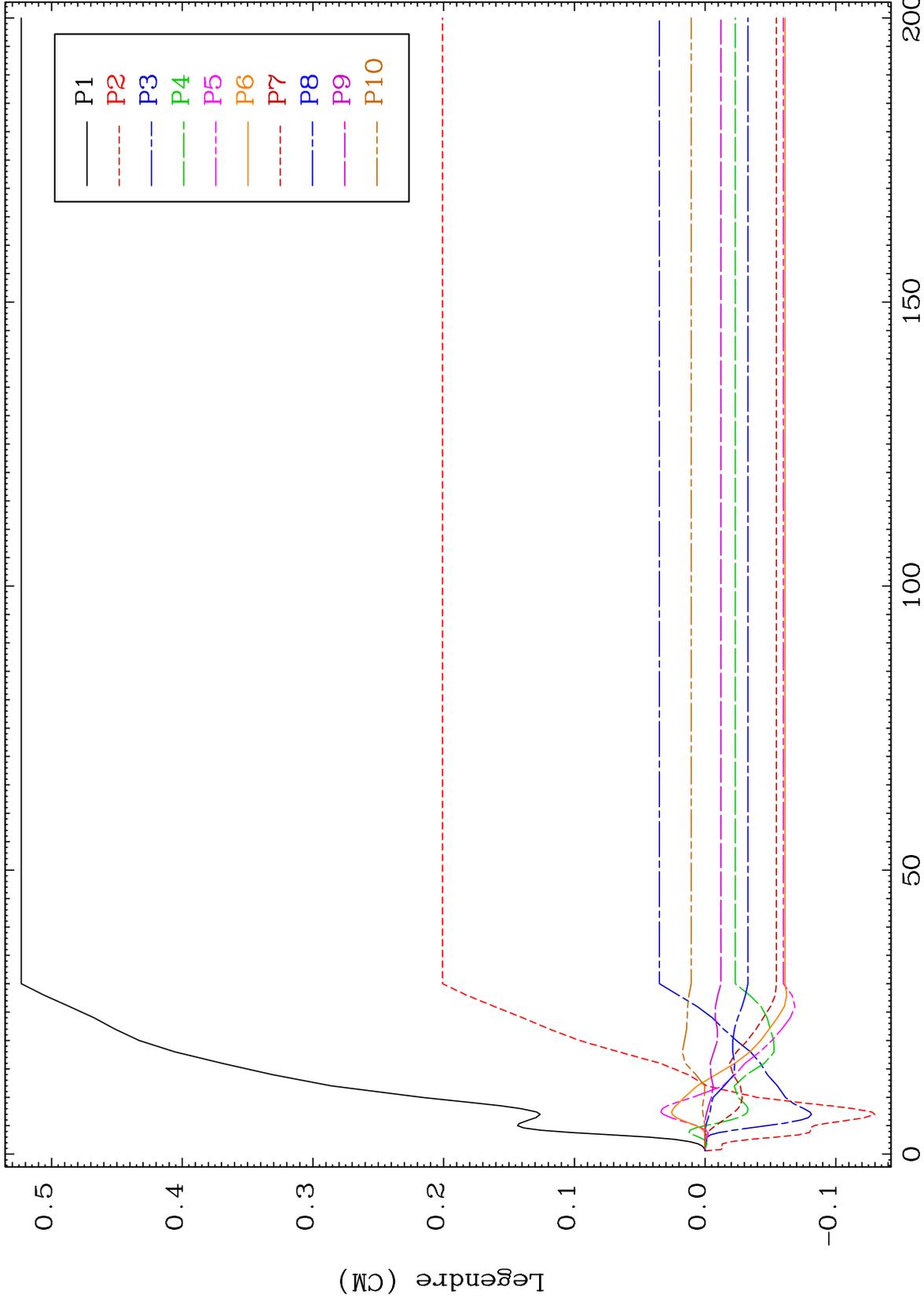
85-At-202



MAT 85222

MT= 63 (n,n') Level
Legendre Coefficients

85-At-202



64

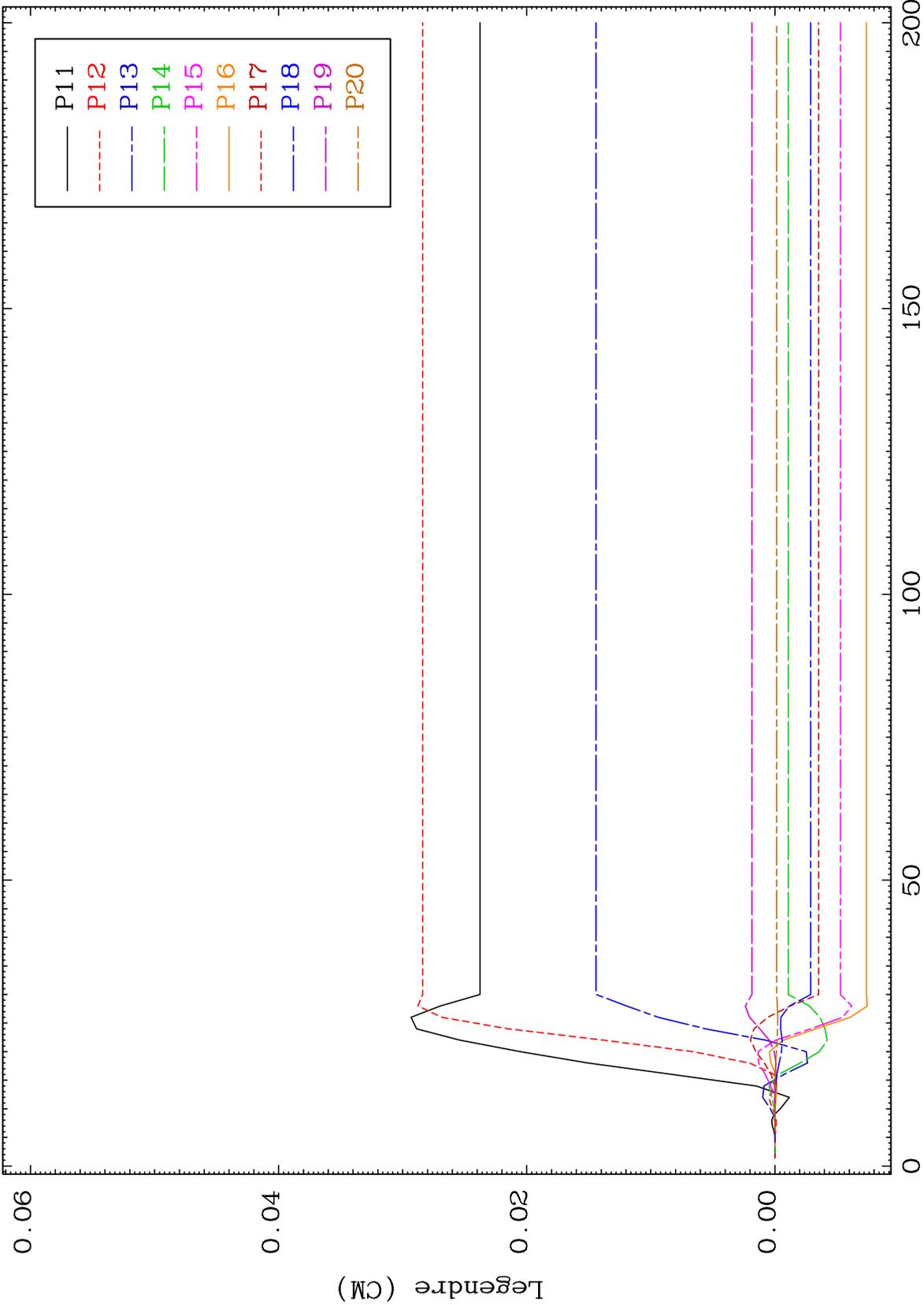
Incident Energy (MeV)

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MAT 8522

MT= 63 (n,n') Level
Legendre Coefficients

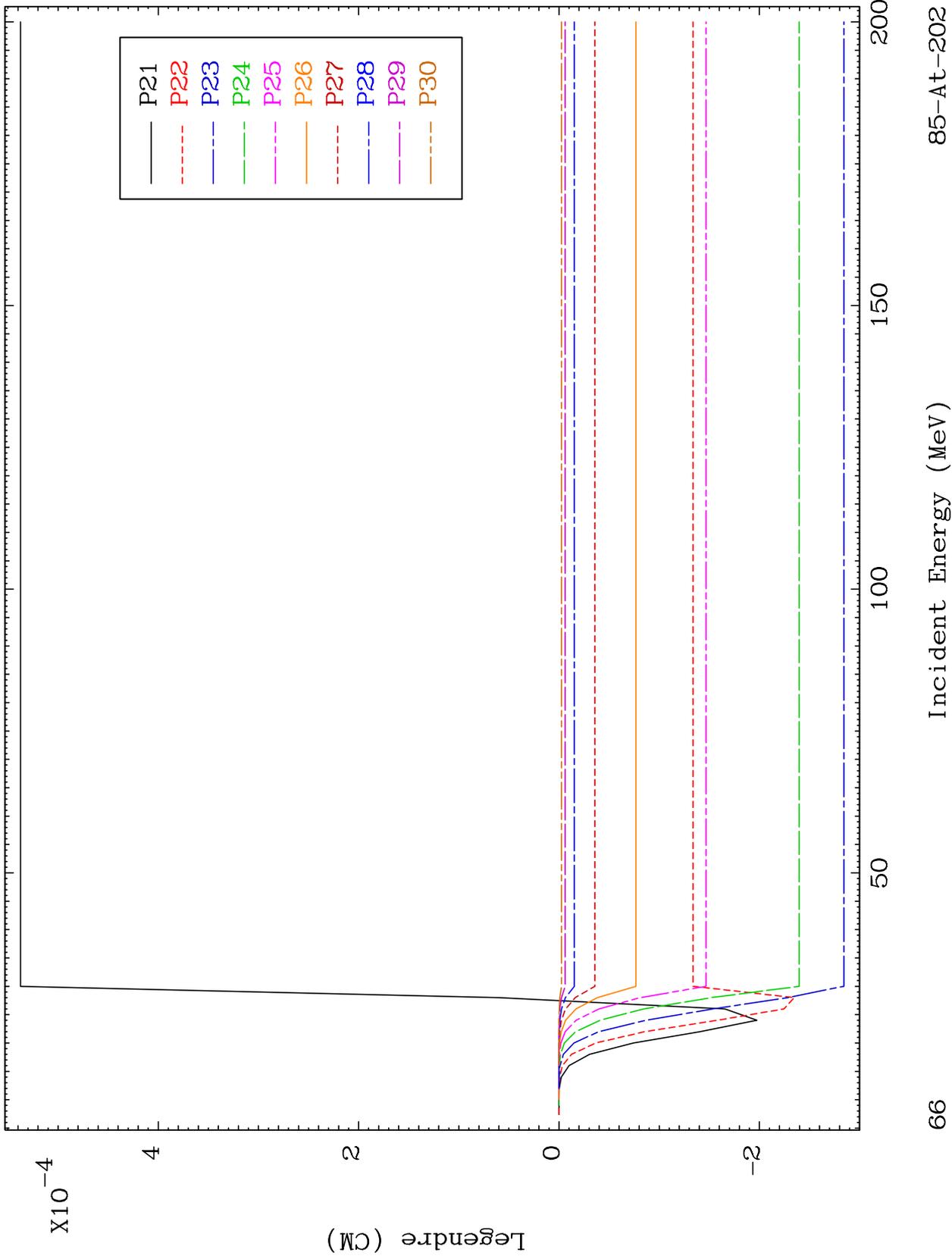
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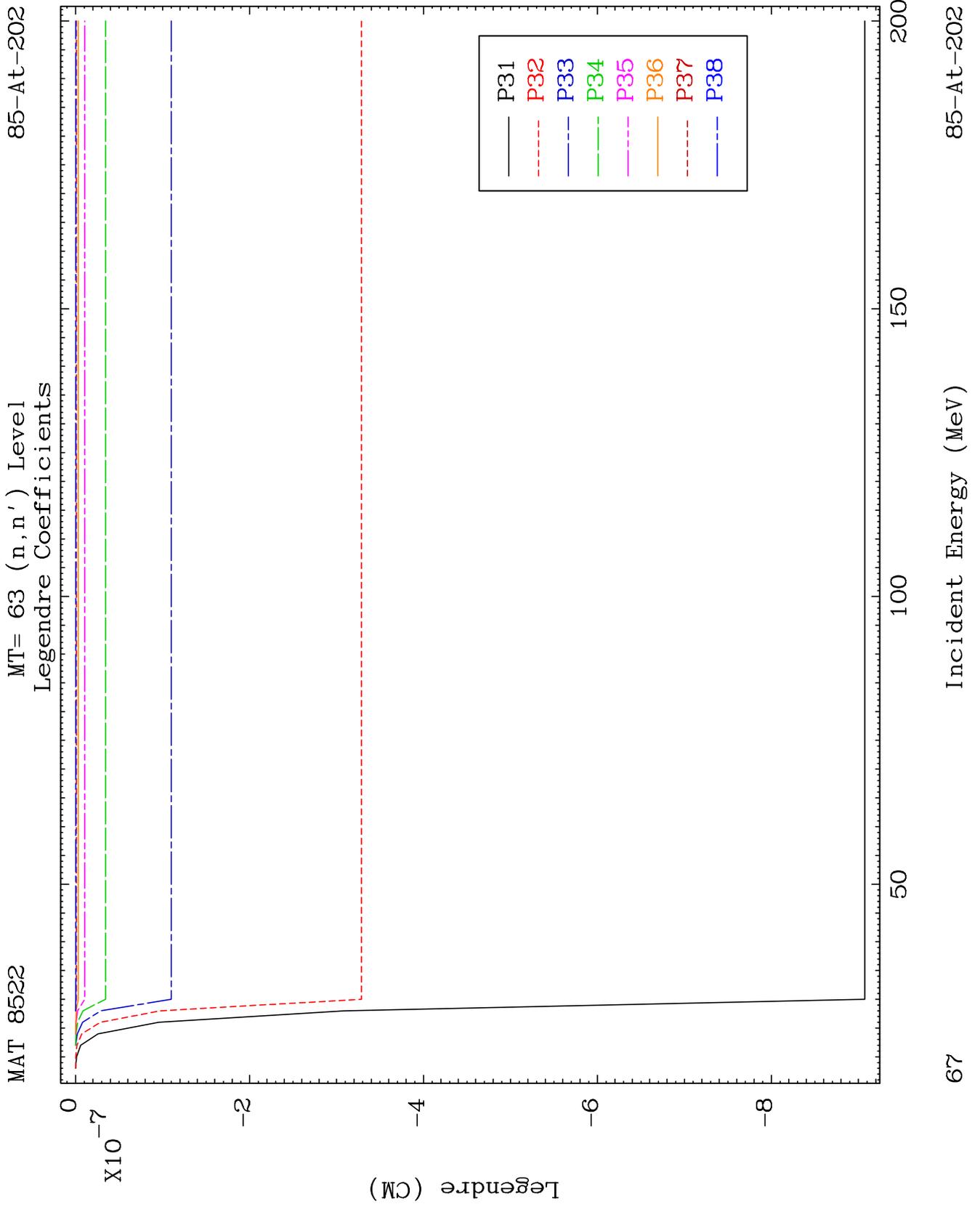


85-At-202

Incident Energy (MeV)

65

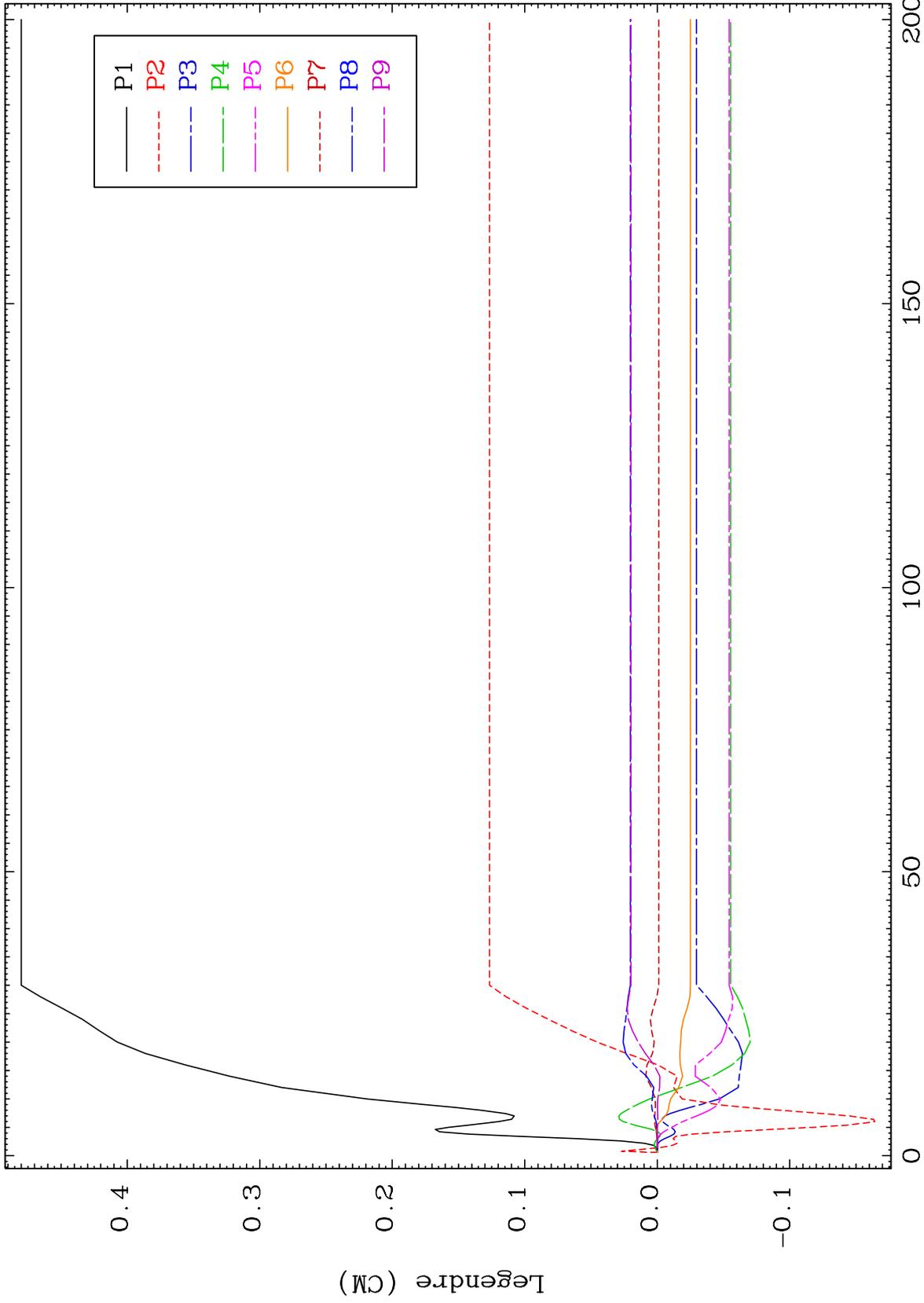




MAT 85222

MT= 64 (n,n') Level
Legendre Coefficients

85-At-202



68

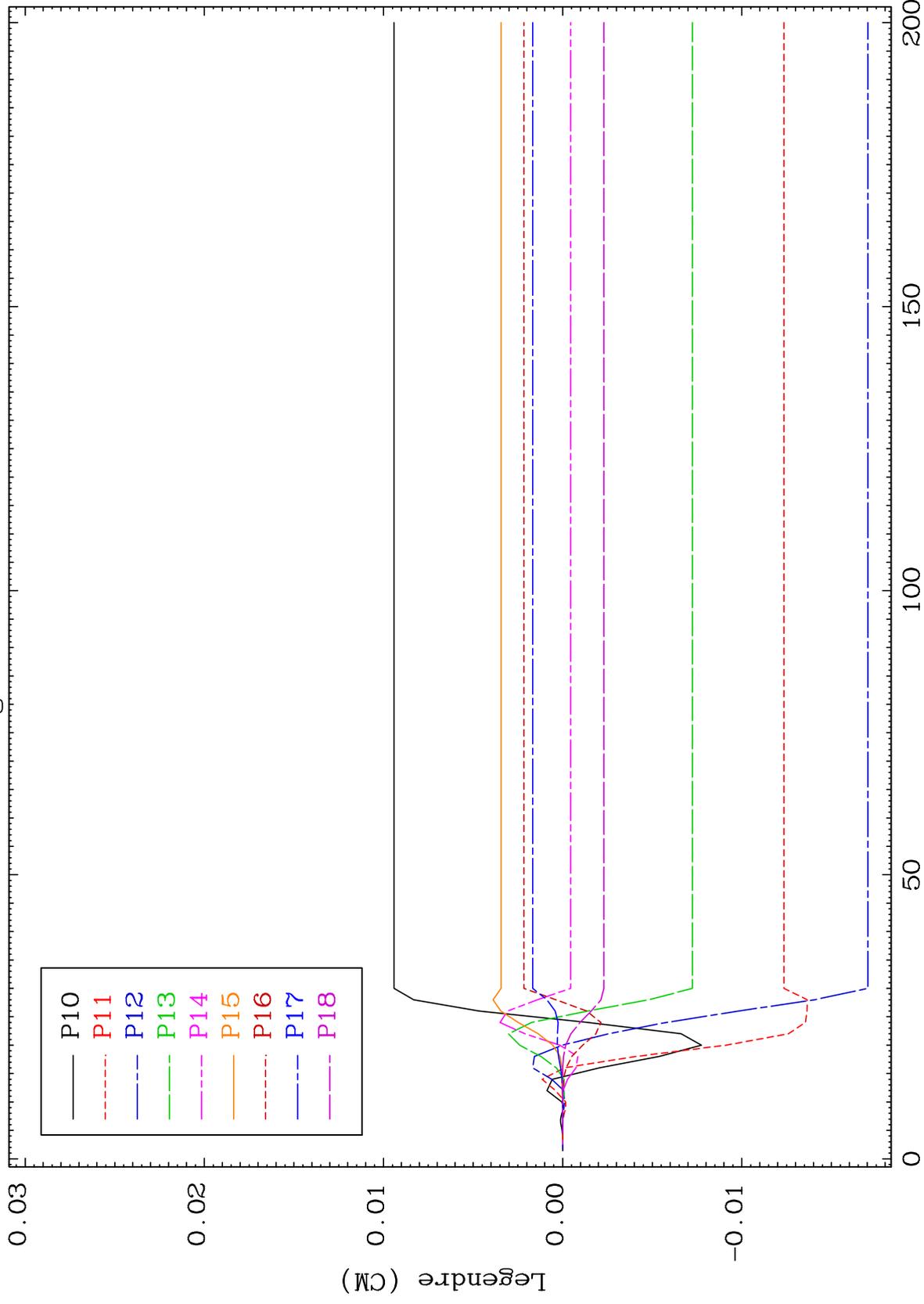
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 64 (n,n') Level
Legendre Coefficients

85-At-202



69

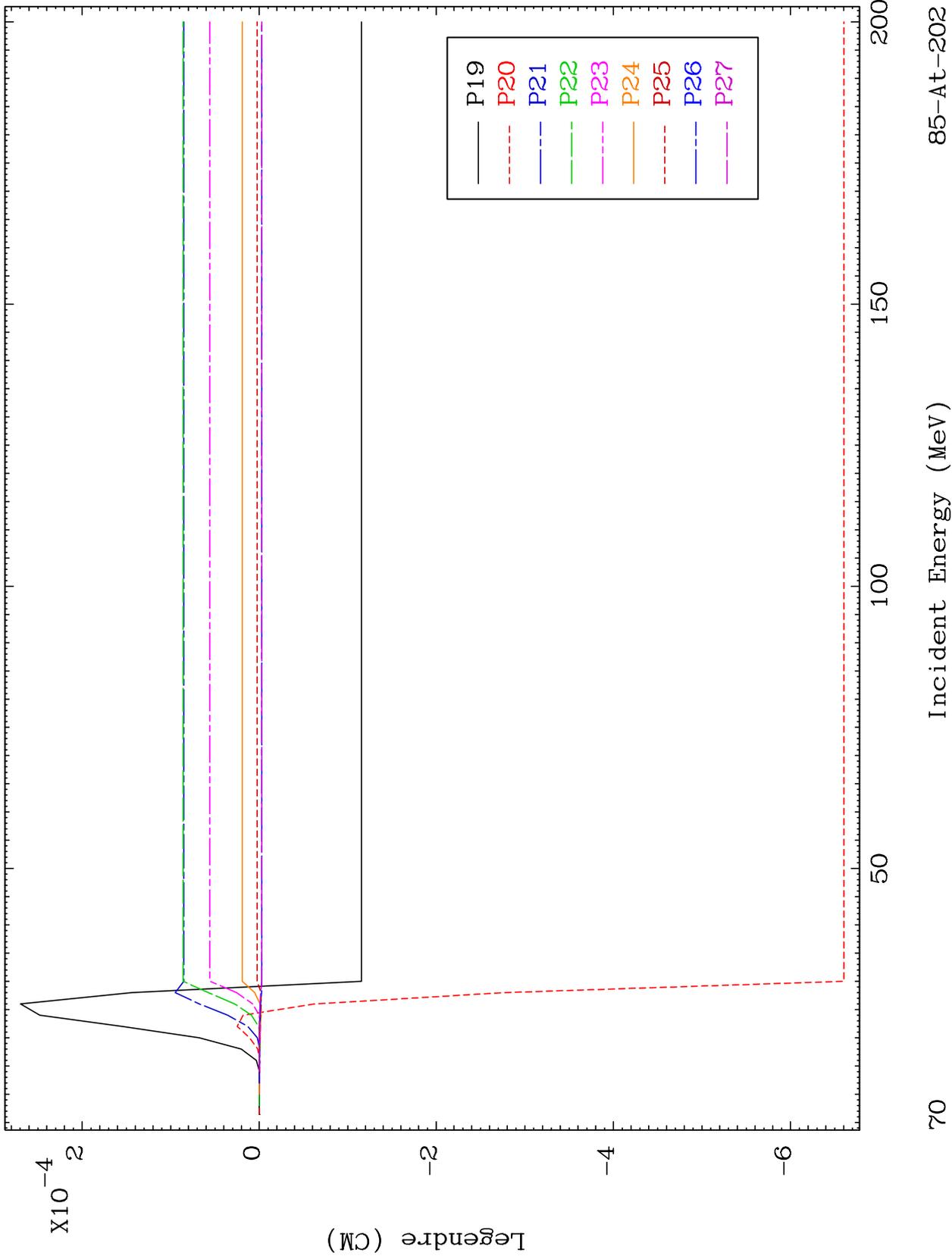
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 64 (n,n') Level
Legendre Coefficients

85-At-202



70

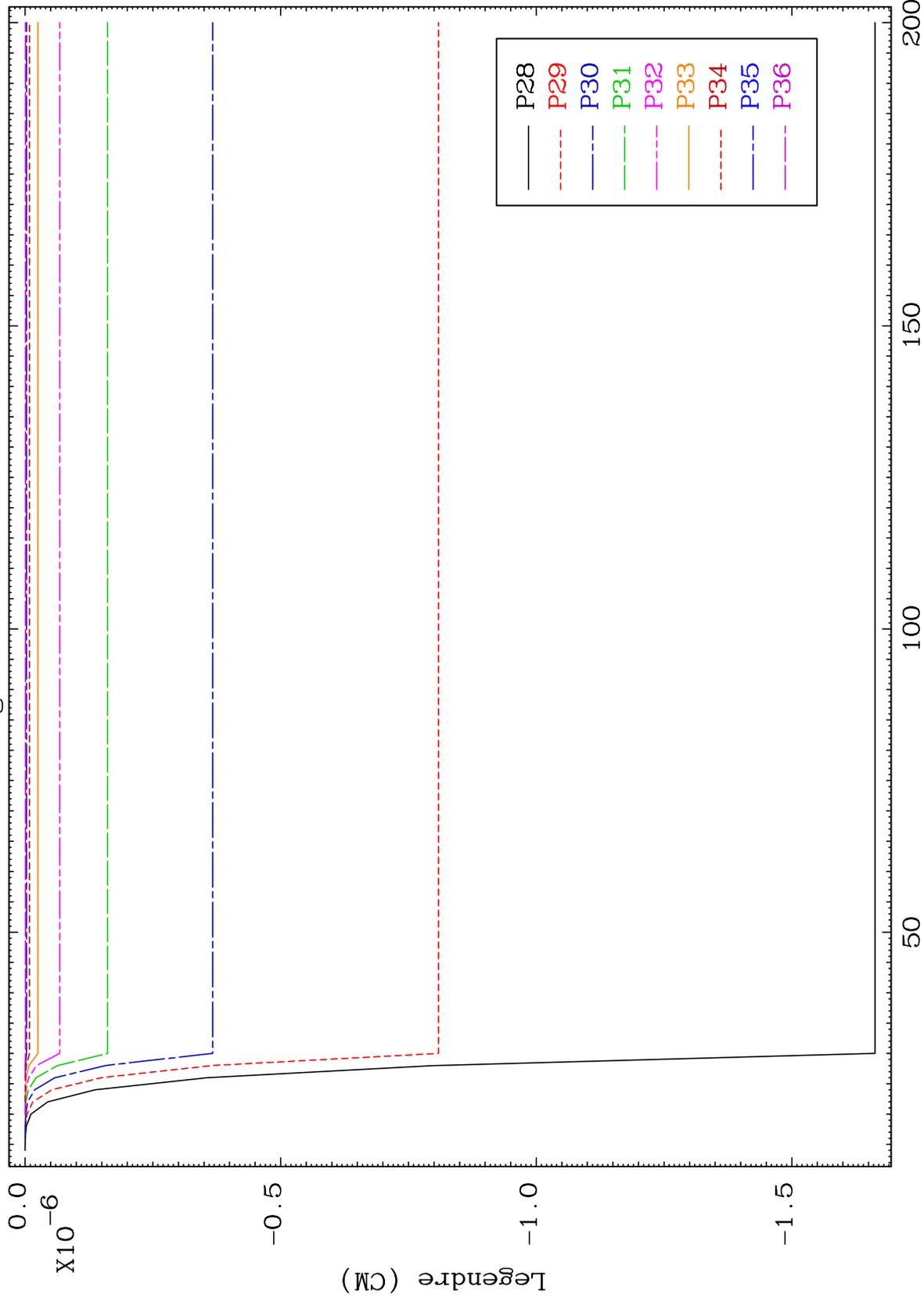
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 64 (n,n') Level
Legendre Coefficients

85-At-202



71

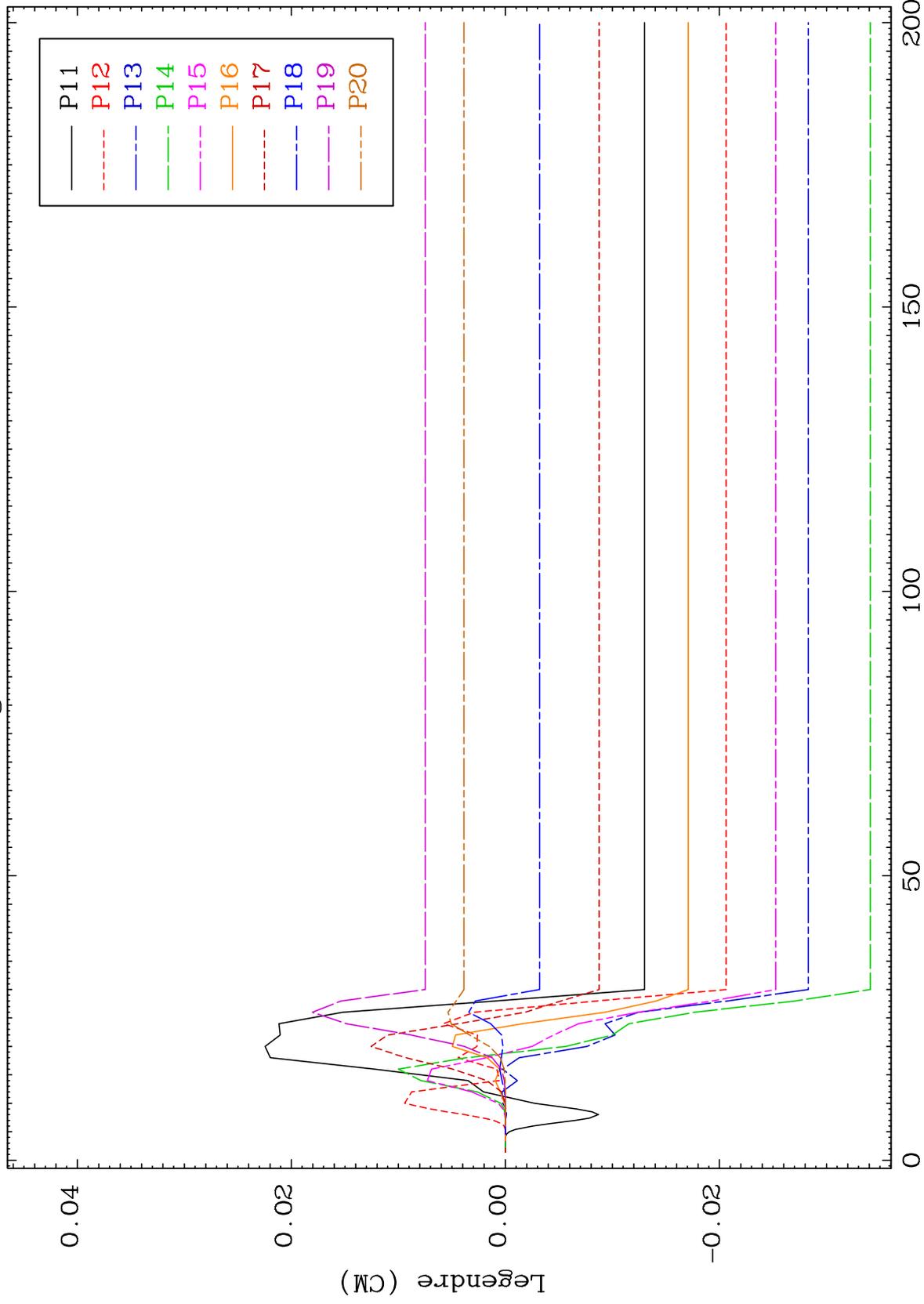
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 65 (n,n') Level
Legendre Coefficients

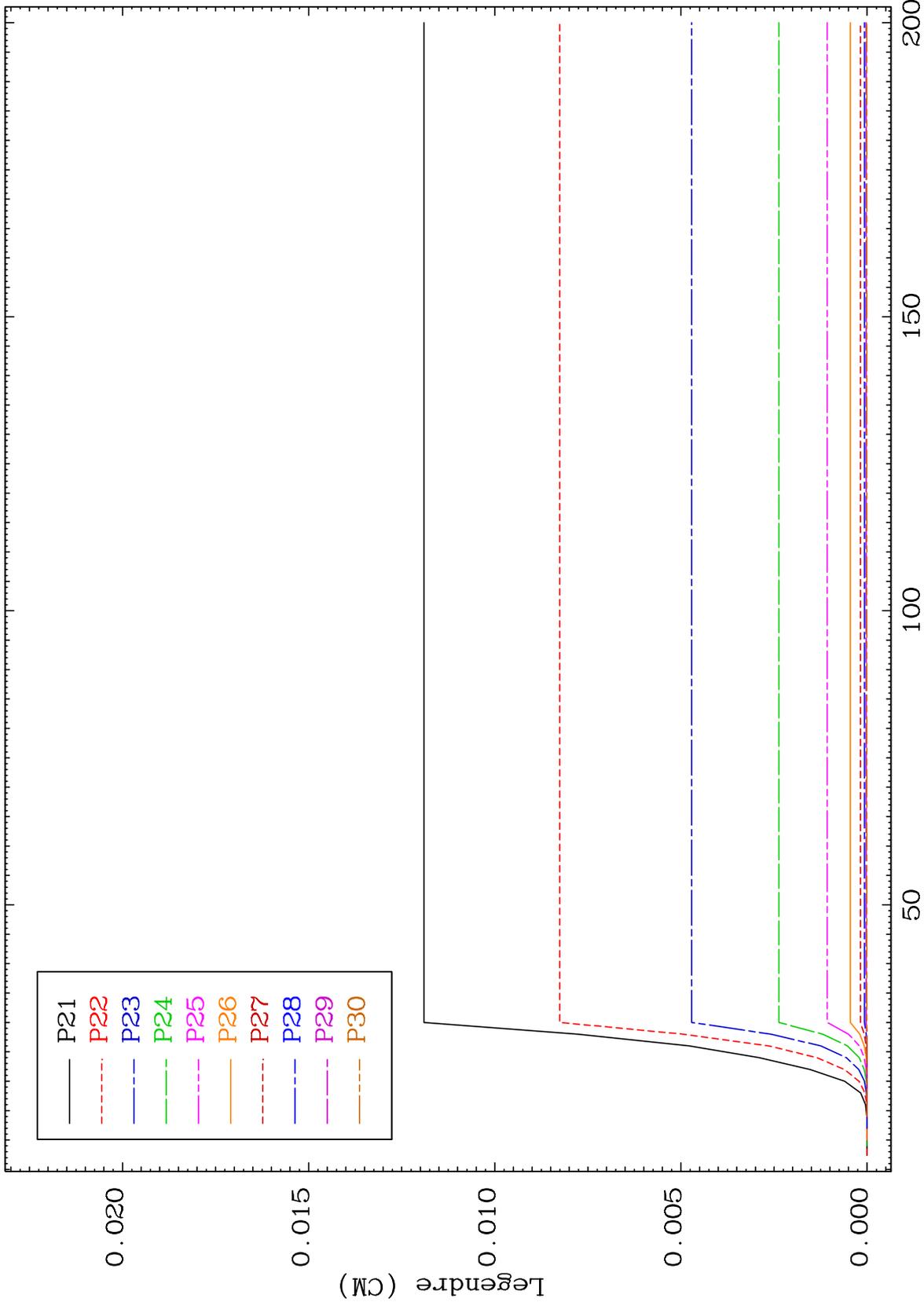
85-At-202



73

Incident Energy (MeV)

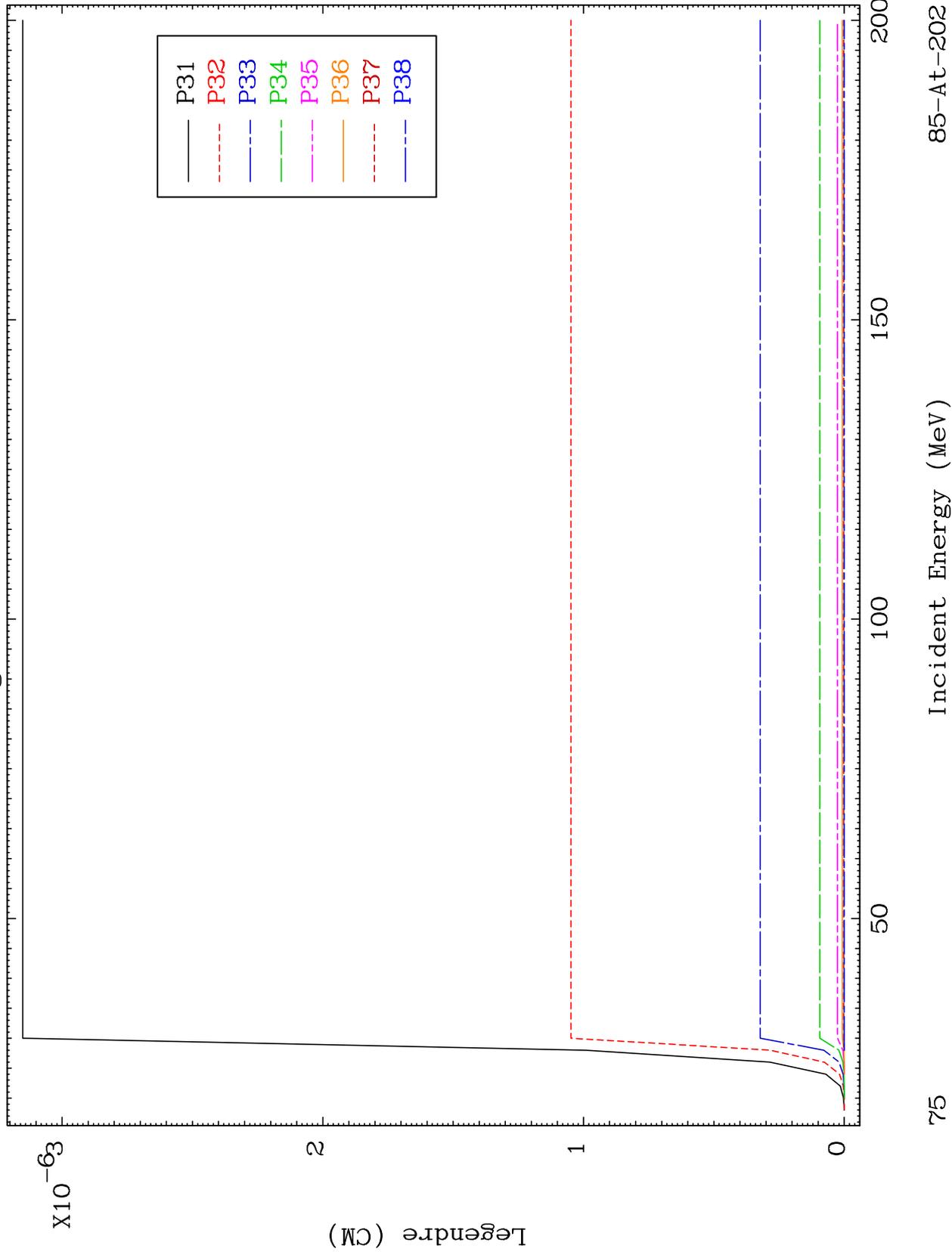
85-At-202



MAT 8522

MT= 65 (n,n') Level
Legendre Coefficients

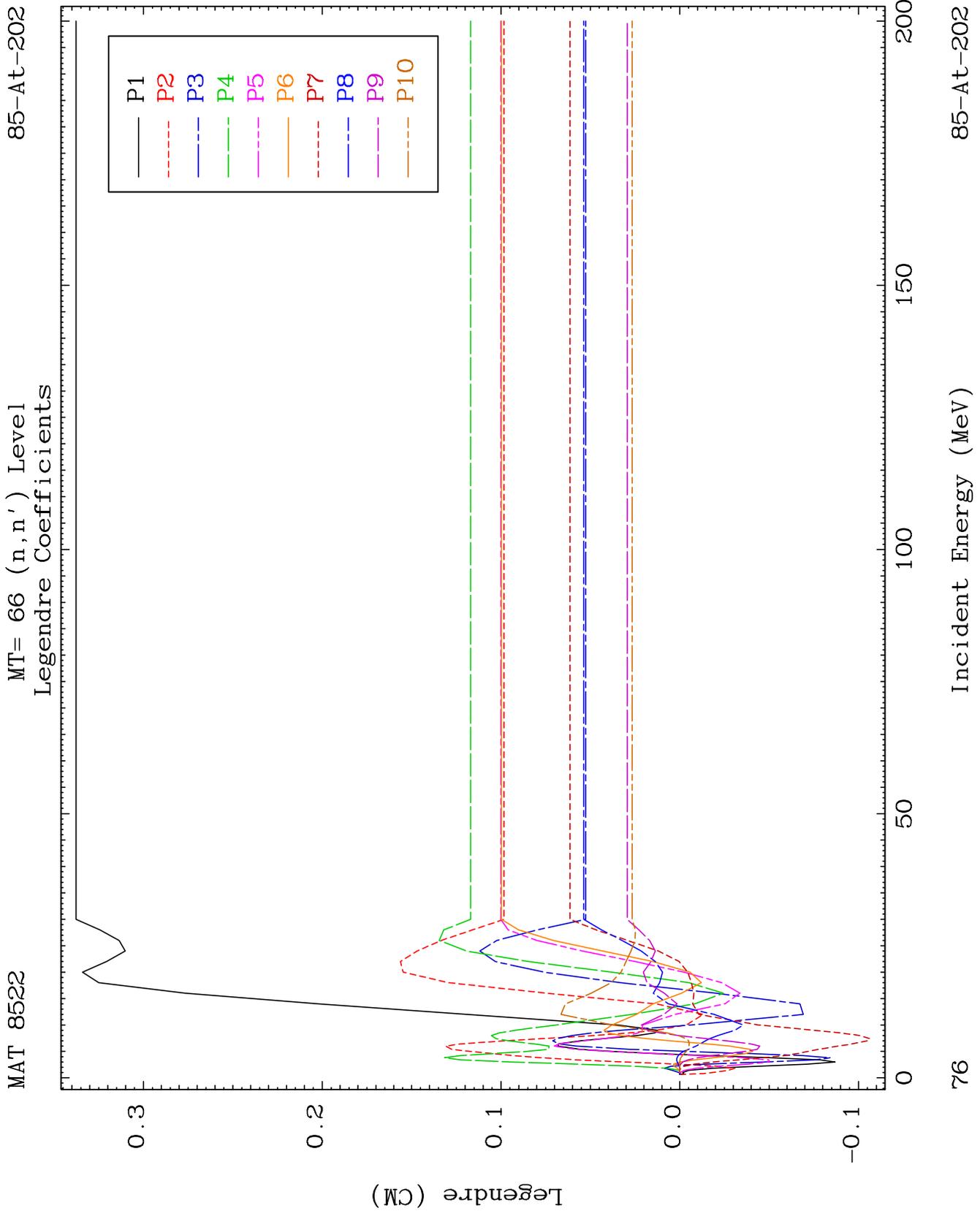
85-At-202

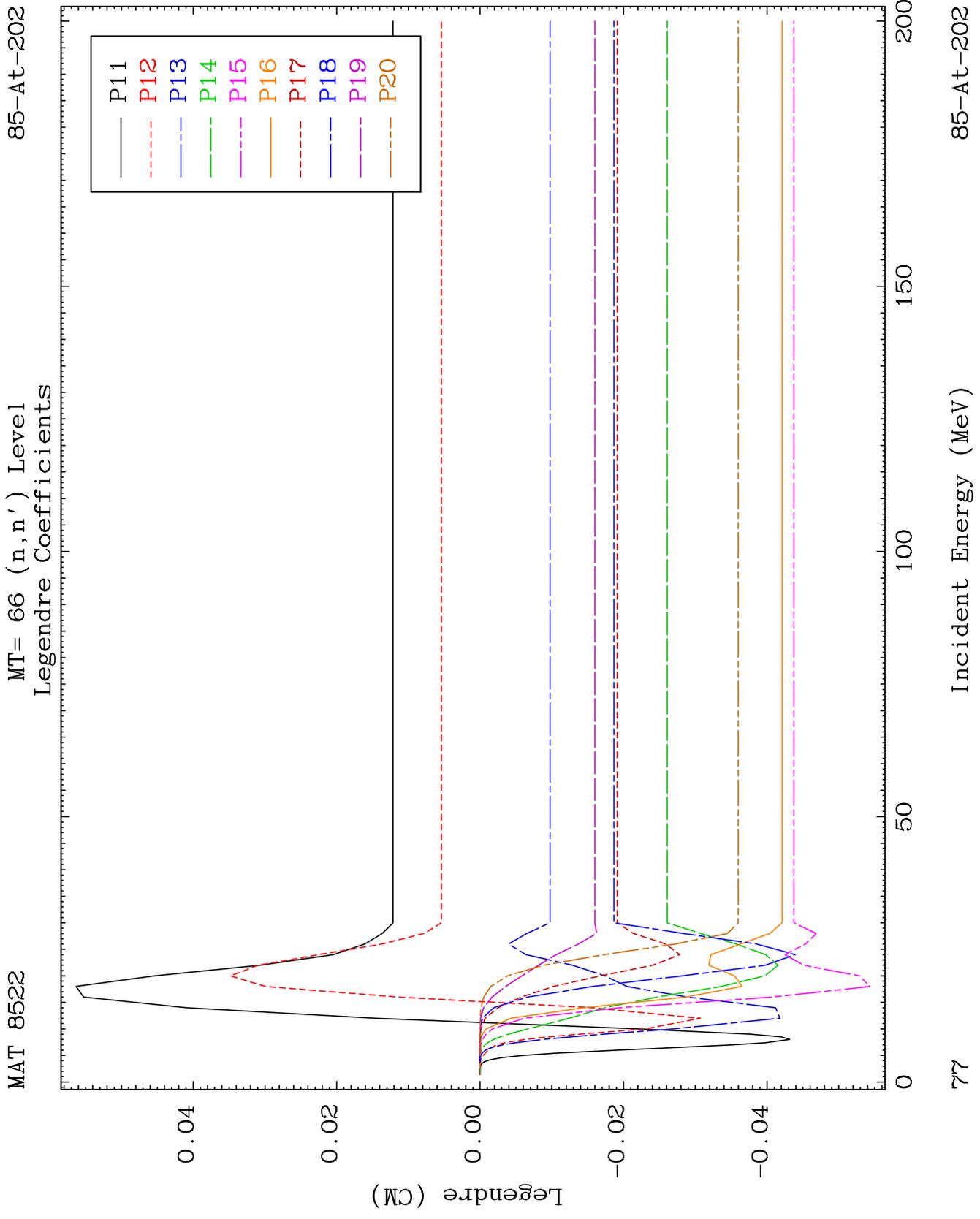


75

Incident Energy (MeV)

85-At-202

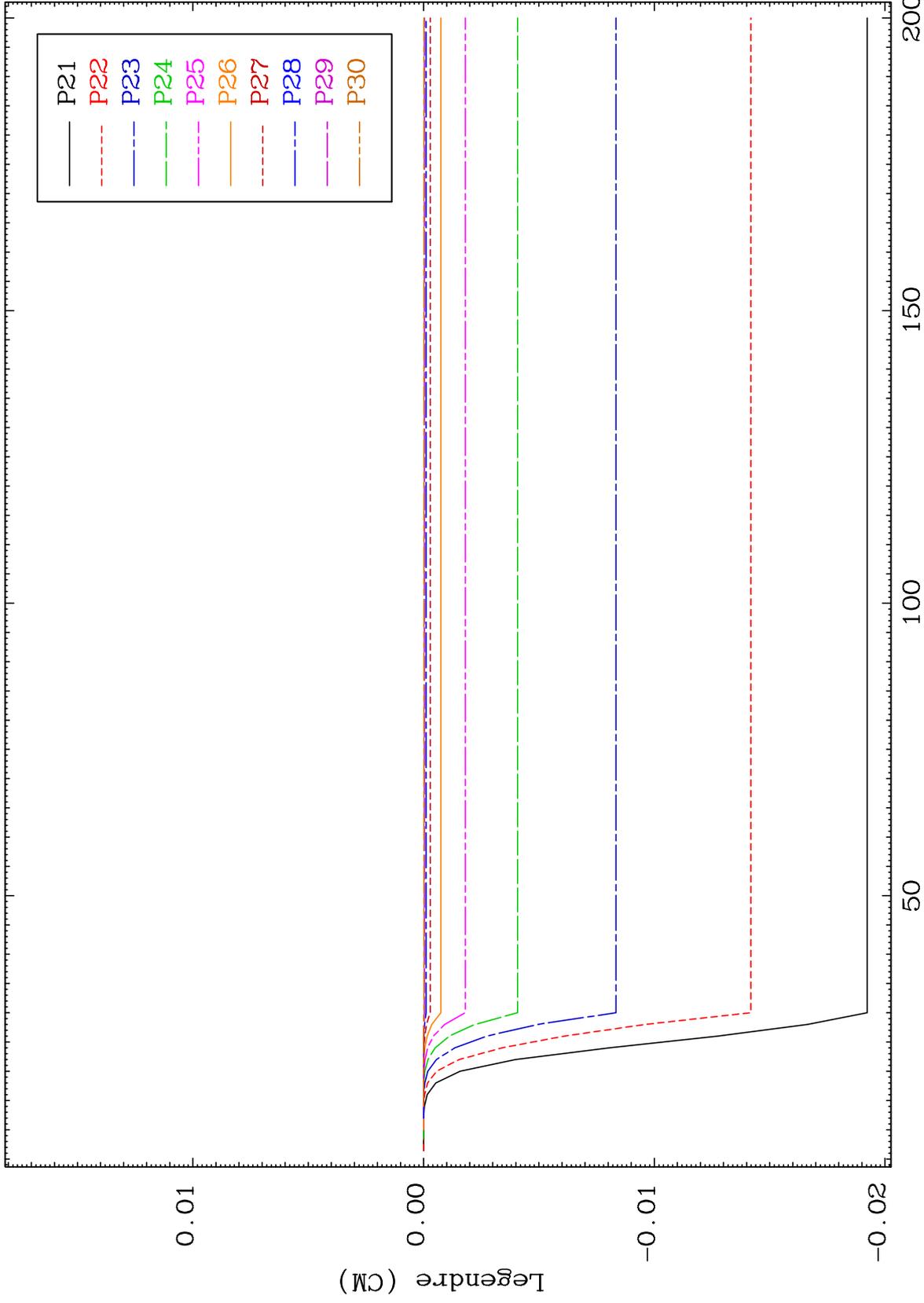




MAT 8522

MT= 66 (n,n') Level
Legendre Coefficients

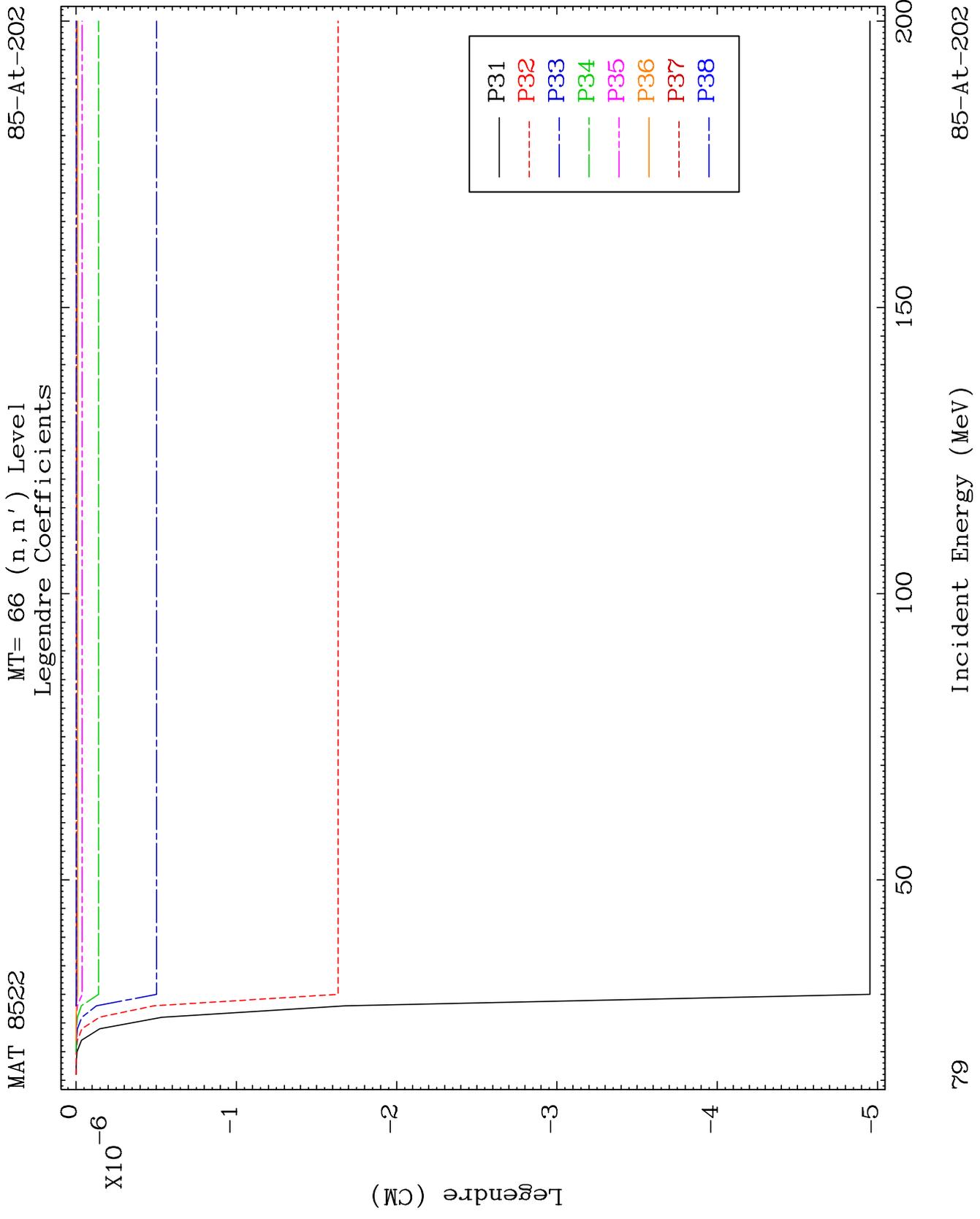
85-At-202



78

Incident Energy (MeV)

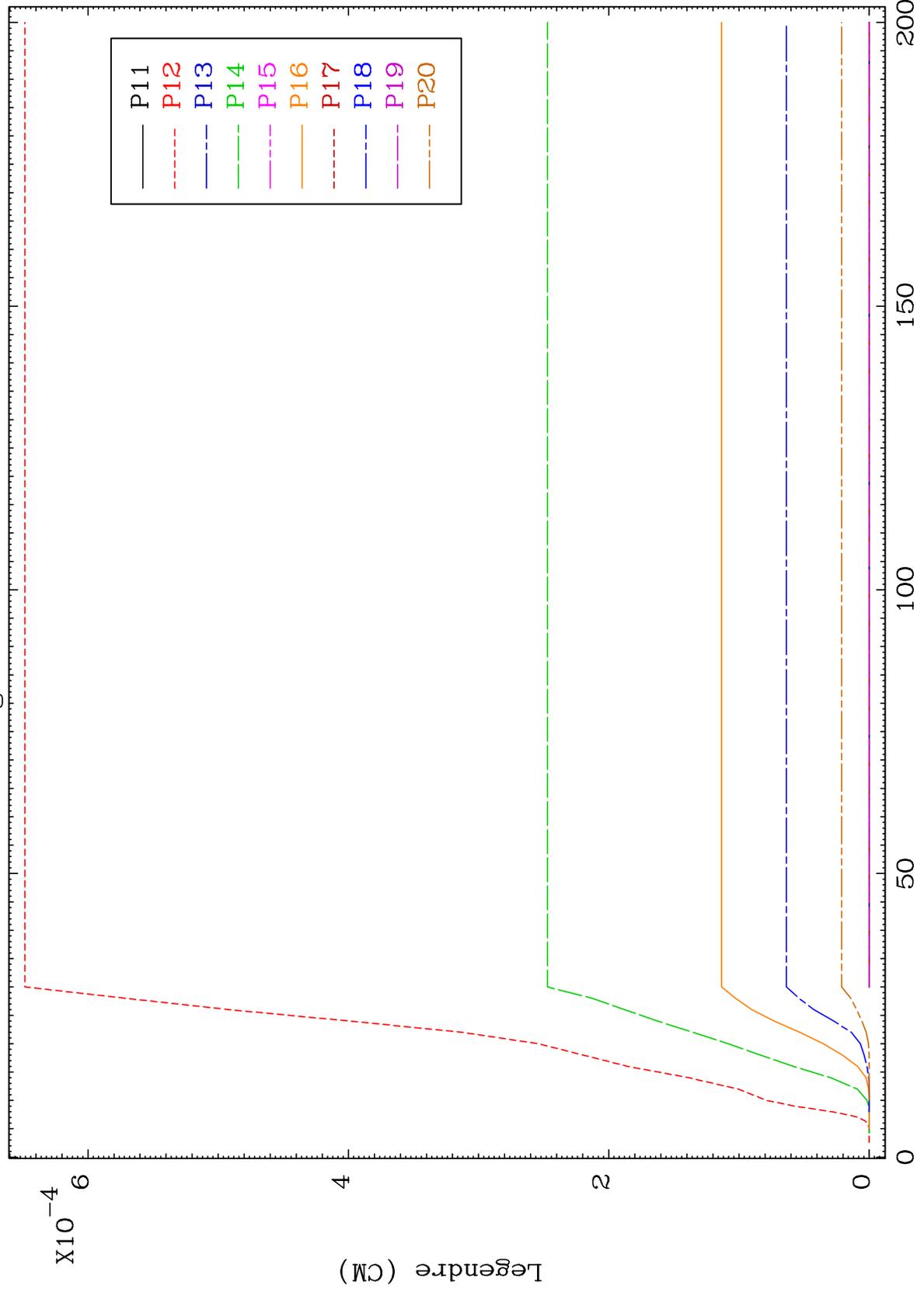
85-At-202



MAT 8522

MT= 67 (n,n') Level
Legendre Coefficients

85-At-202



81

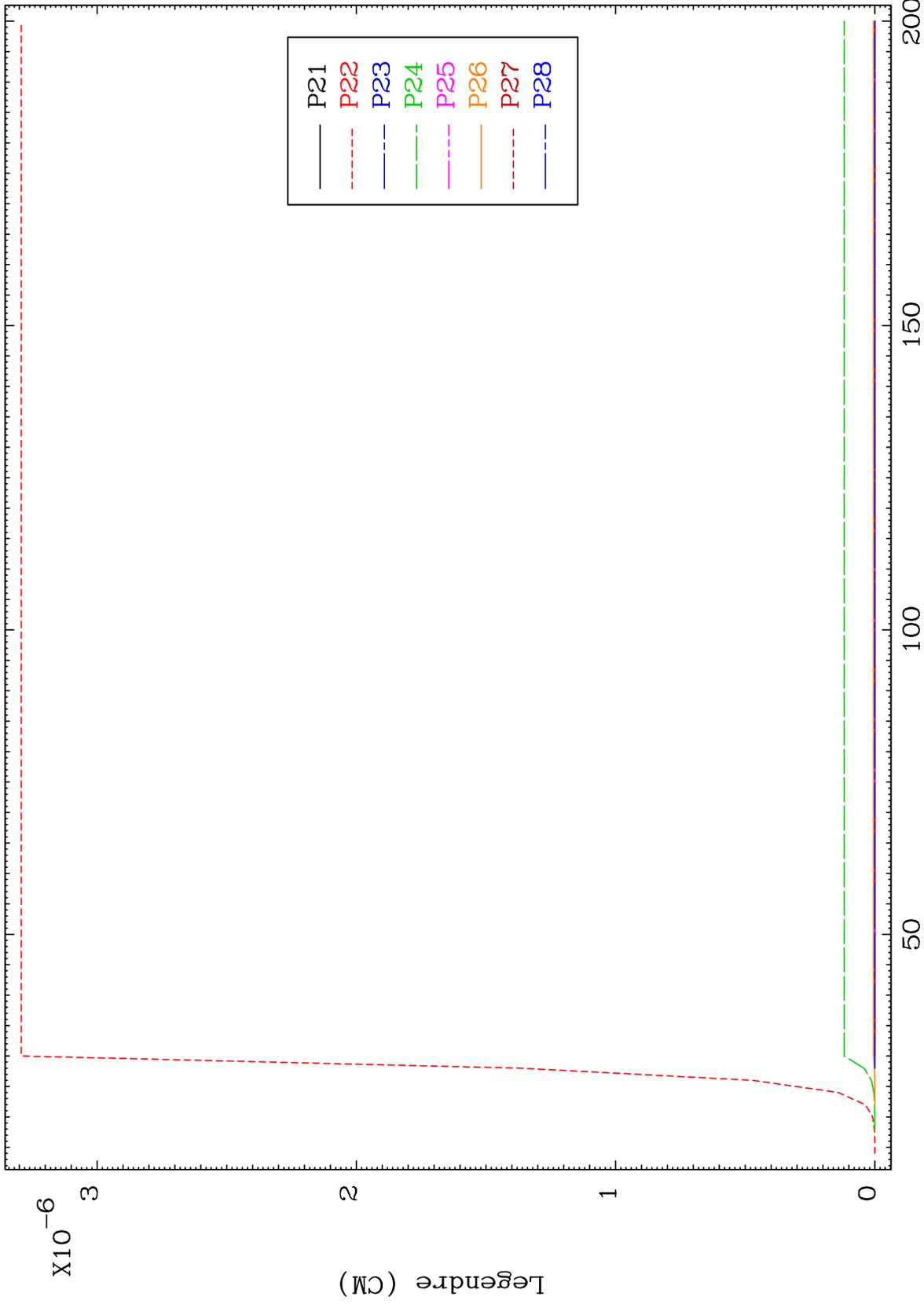
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 67 (n,n') Level
Legendre Coefficients

85-At-202



82

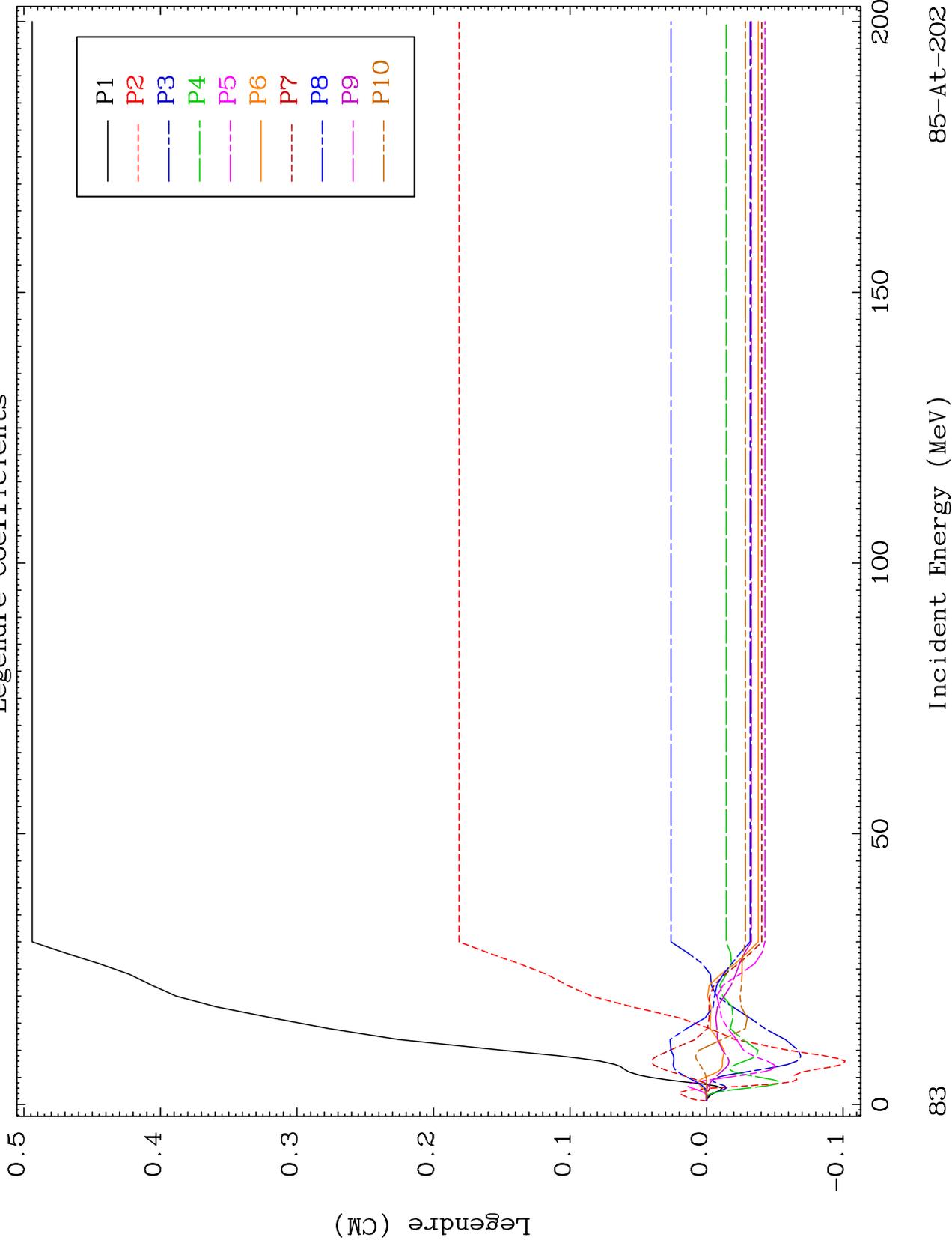
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 68 (n,n') Level
Legendre Coefficients

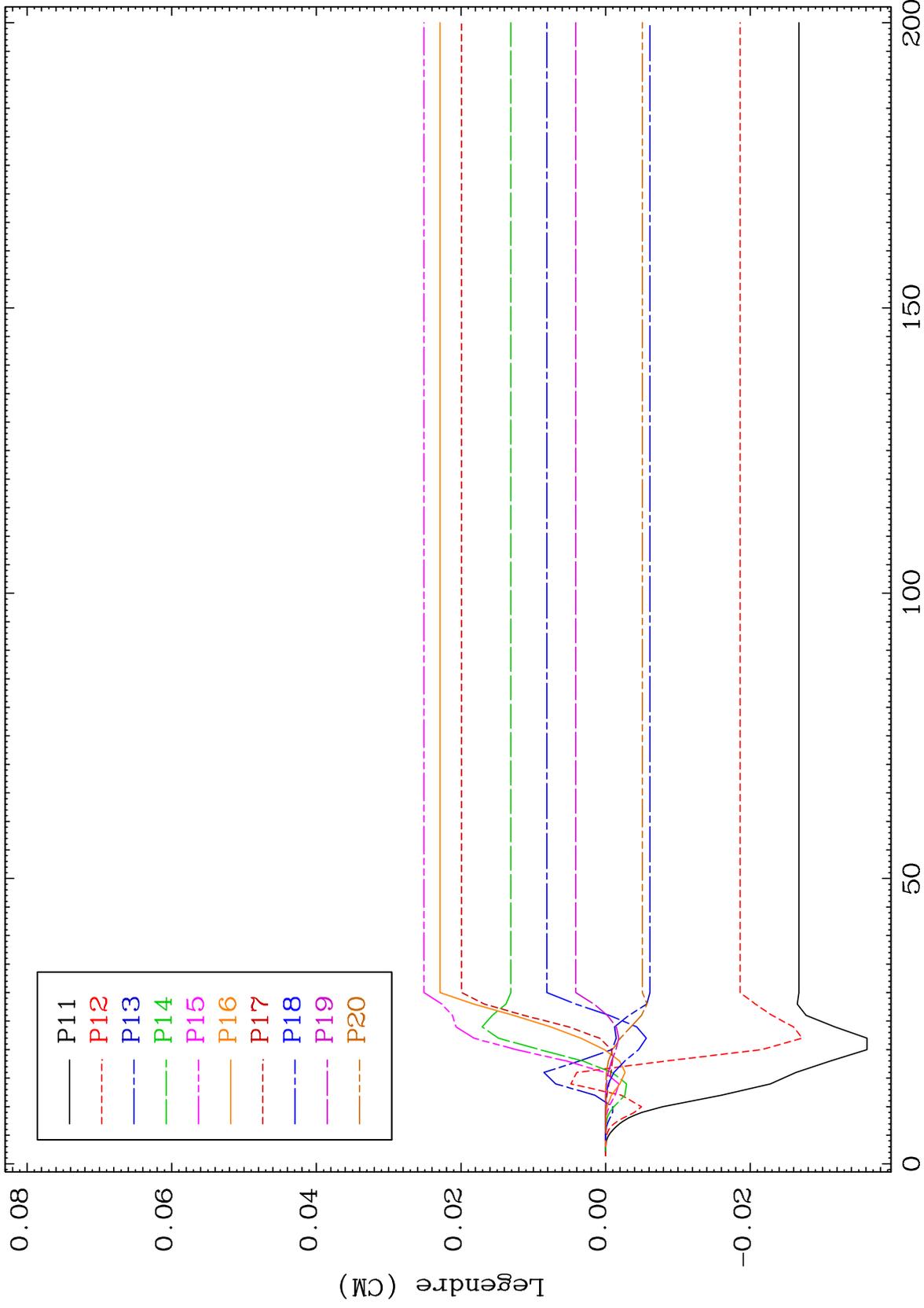
85-At-202



MAT 85222

MT= 68 (n,n') Level
Legendre Coefficients

85-At-202



84

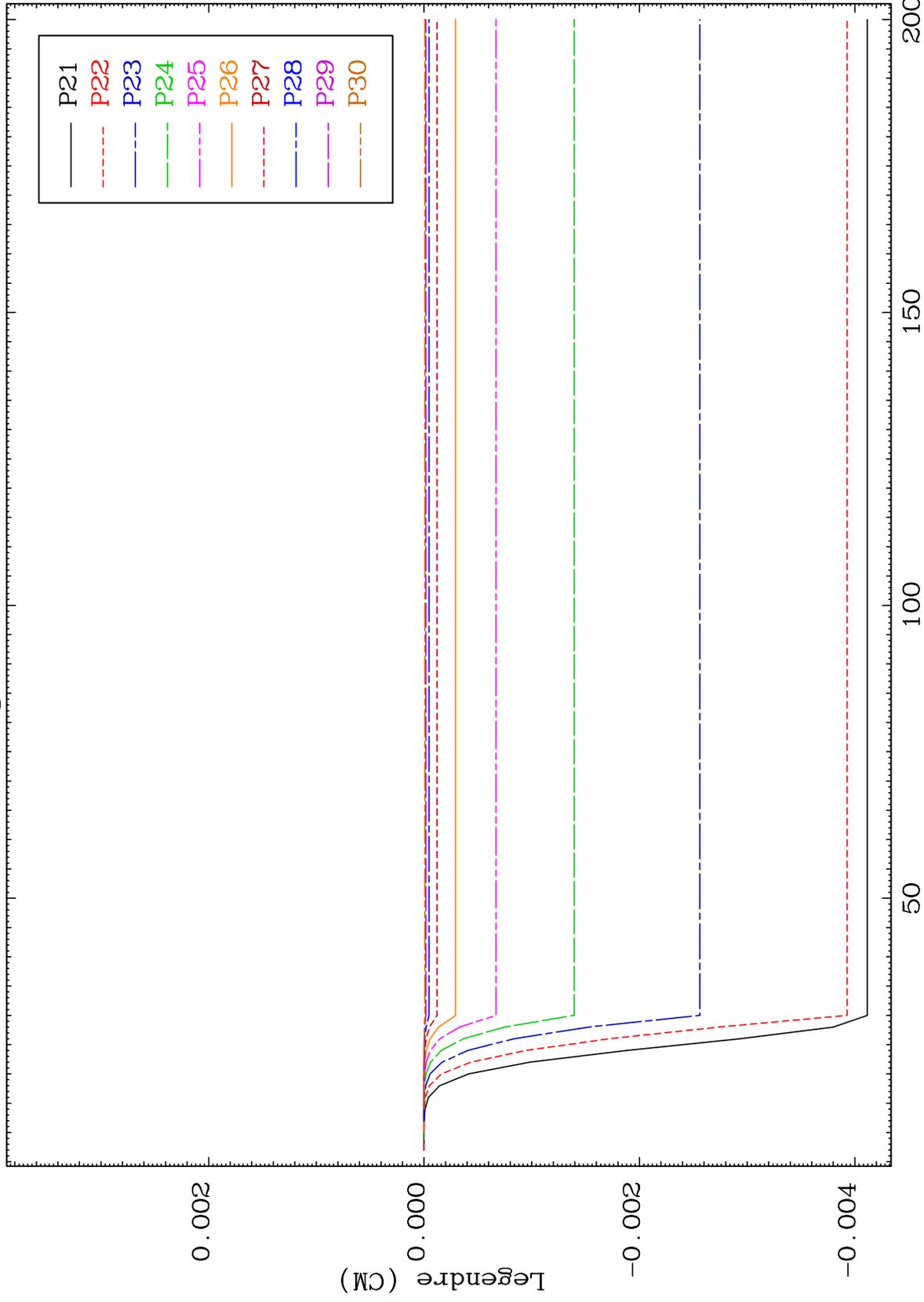
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 68 (n,n') Level
Legendre Coefficients

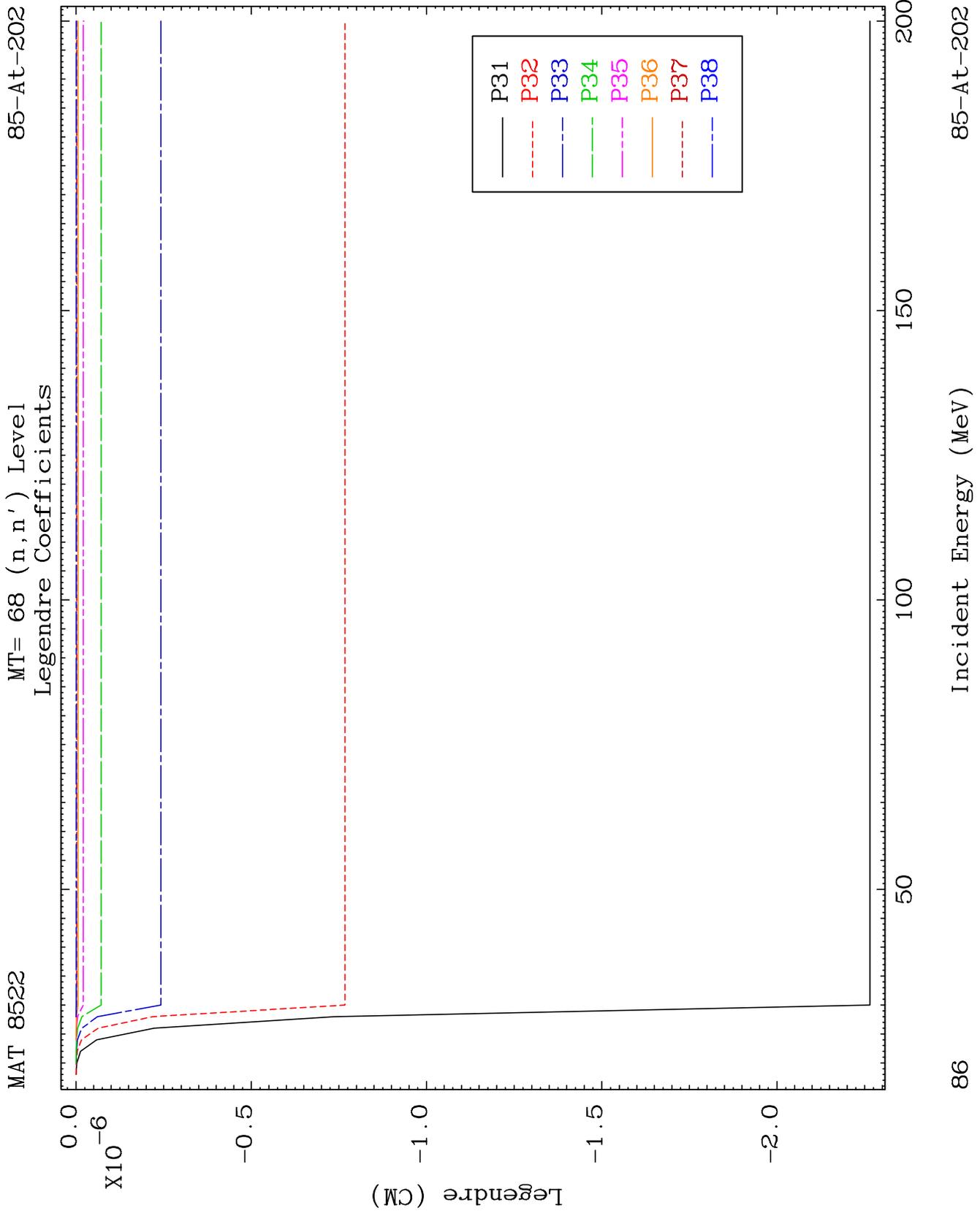
85-At-202



85

Incident Energy (MeV)

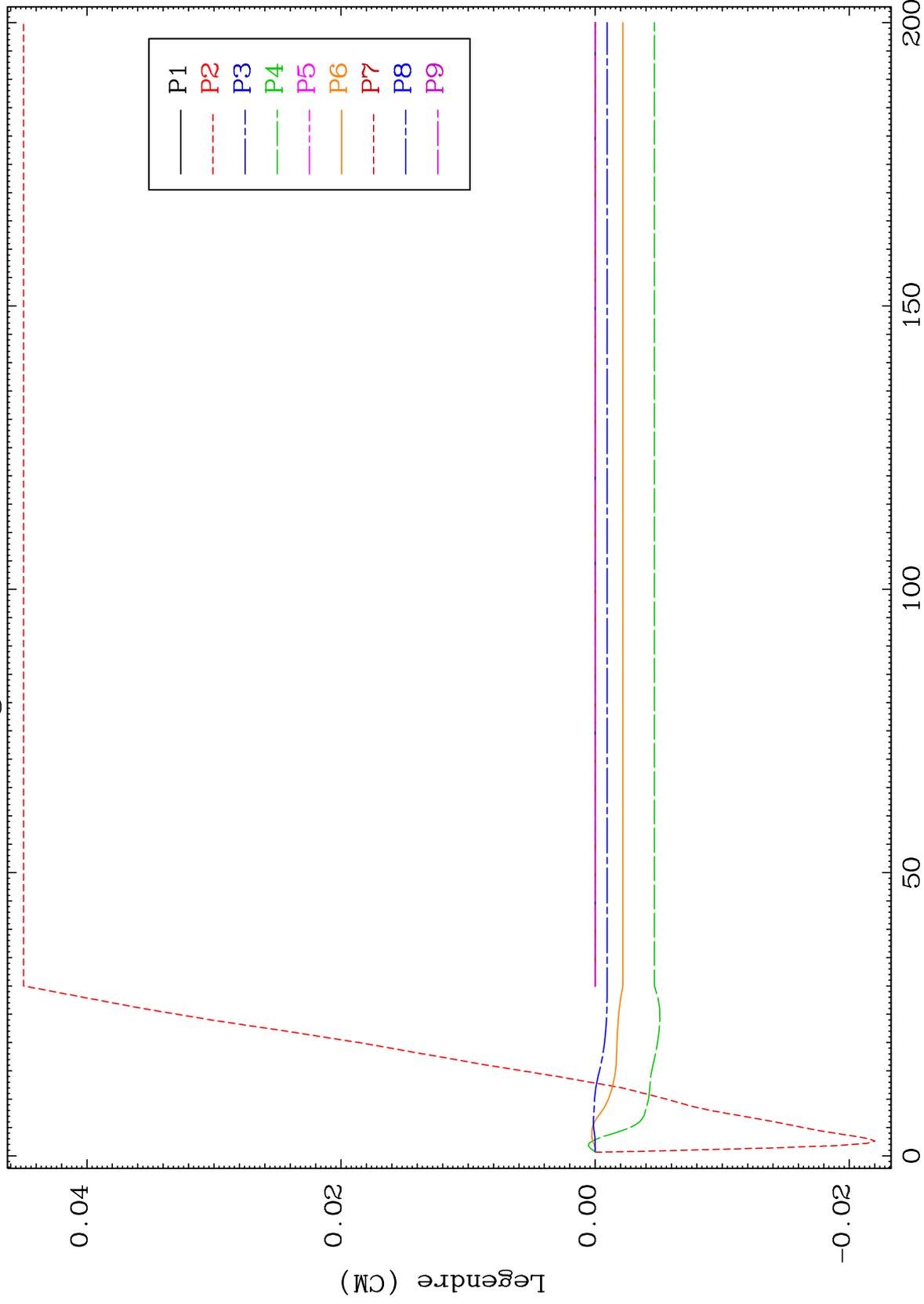
85-At-202



MAT 8522

MT= 69 (n,n') Level
Legendre Coefficients

85-At-202



87

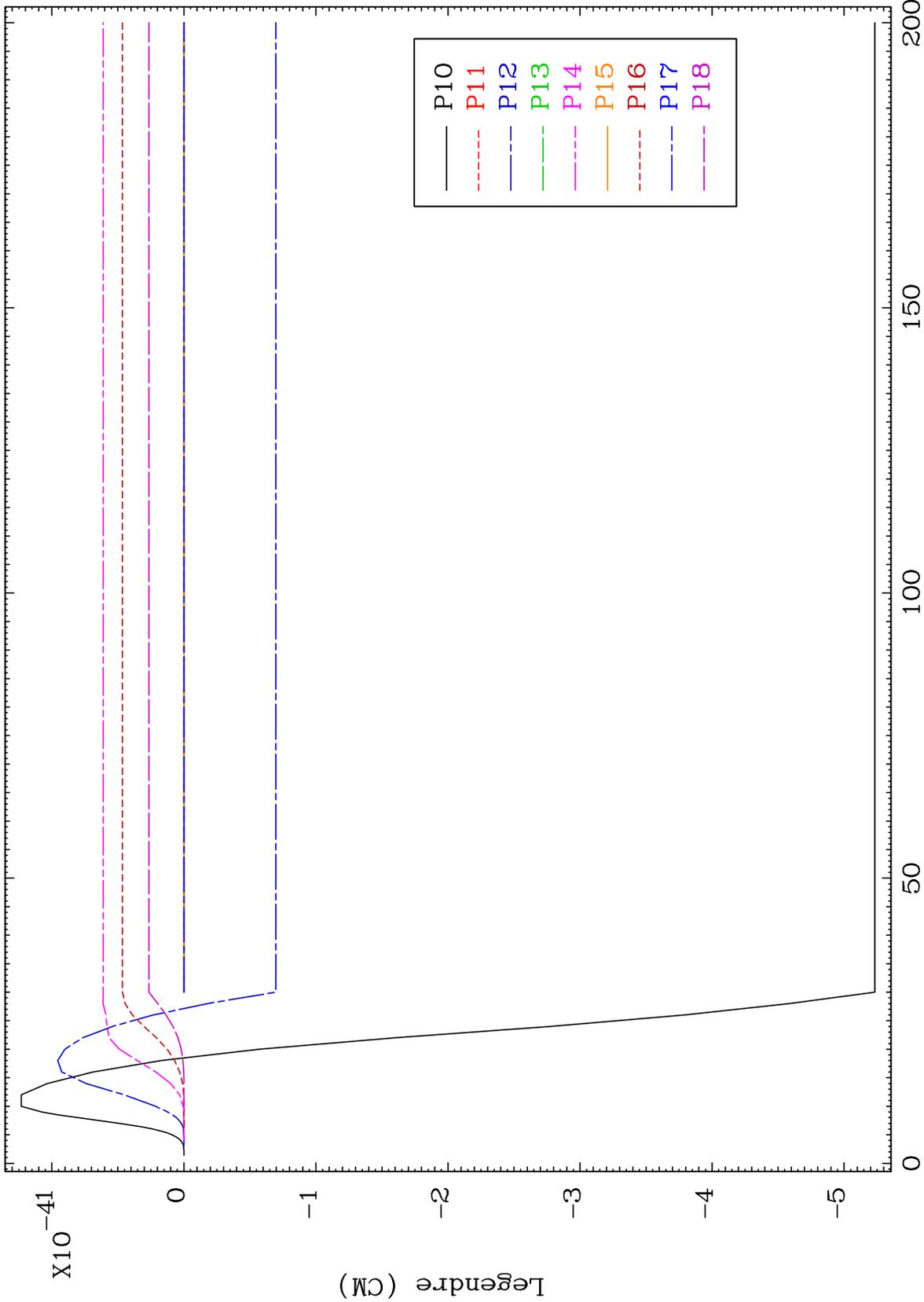
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 69 (n,n') Level
Legendre Coefficients

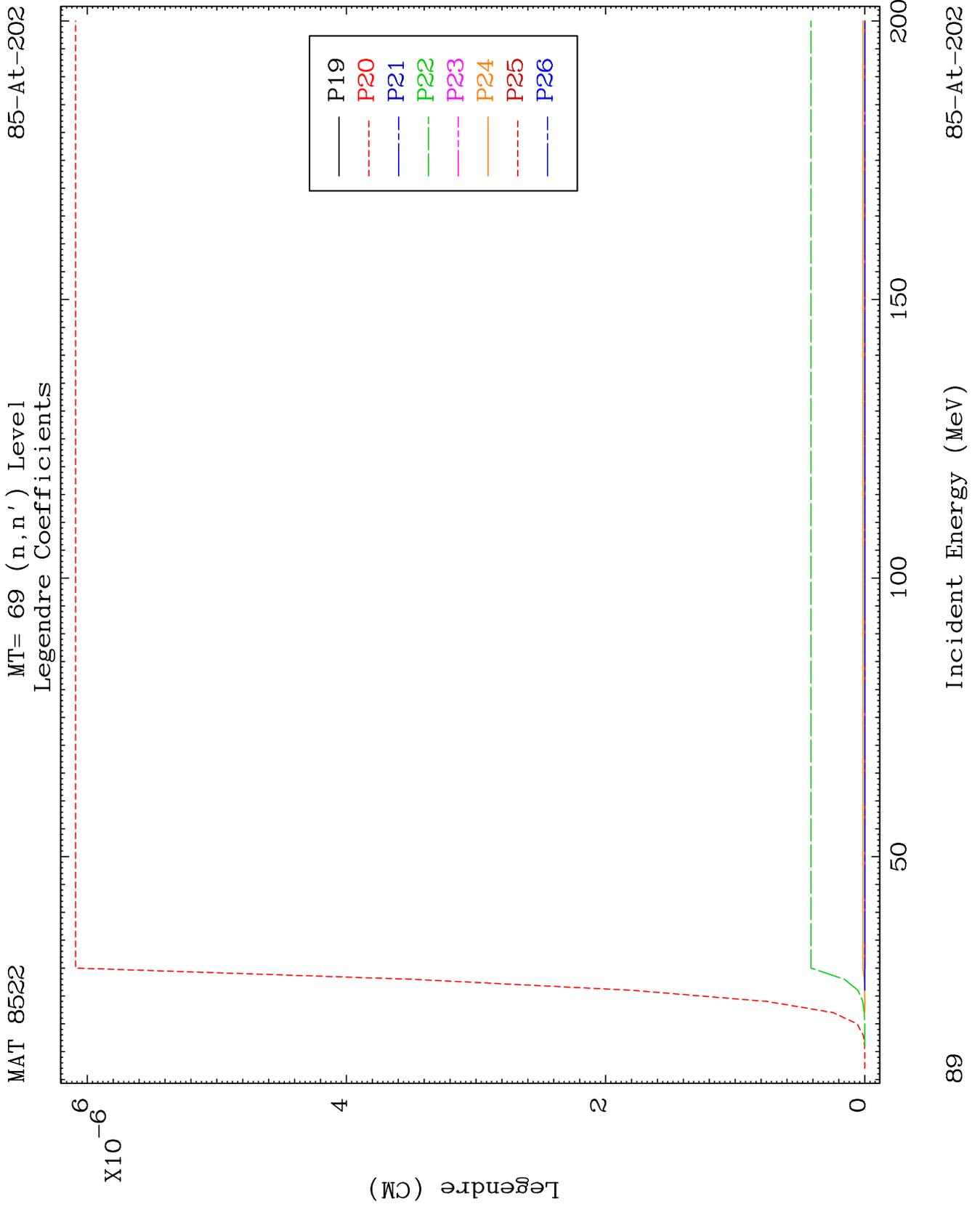
85-At-202



88

Incident Energy (MeV)

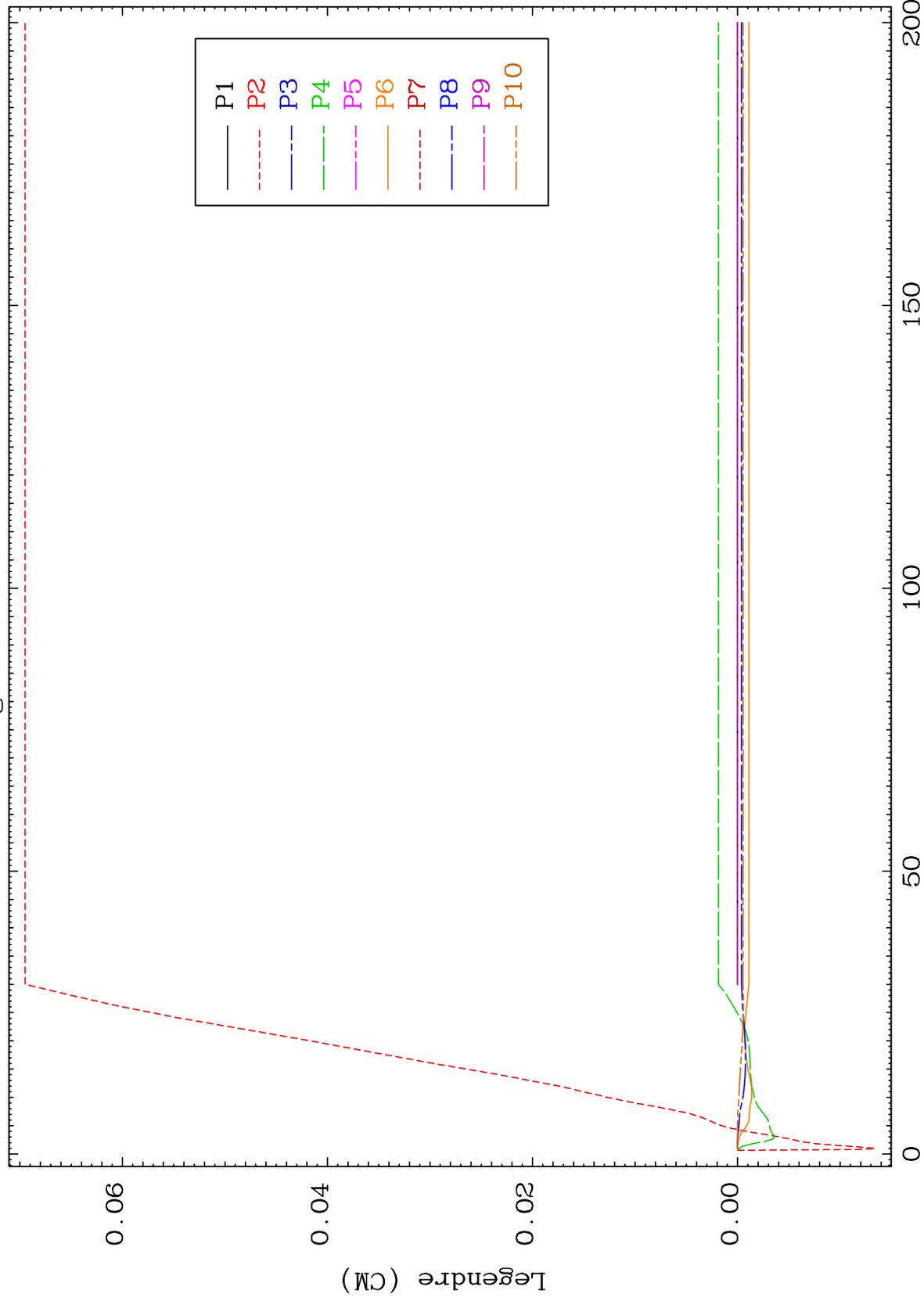
85-At-202



MAT 85222

MT= 70 (n,n') Level
Legendre Coefficients

85-At-202



85-At-202

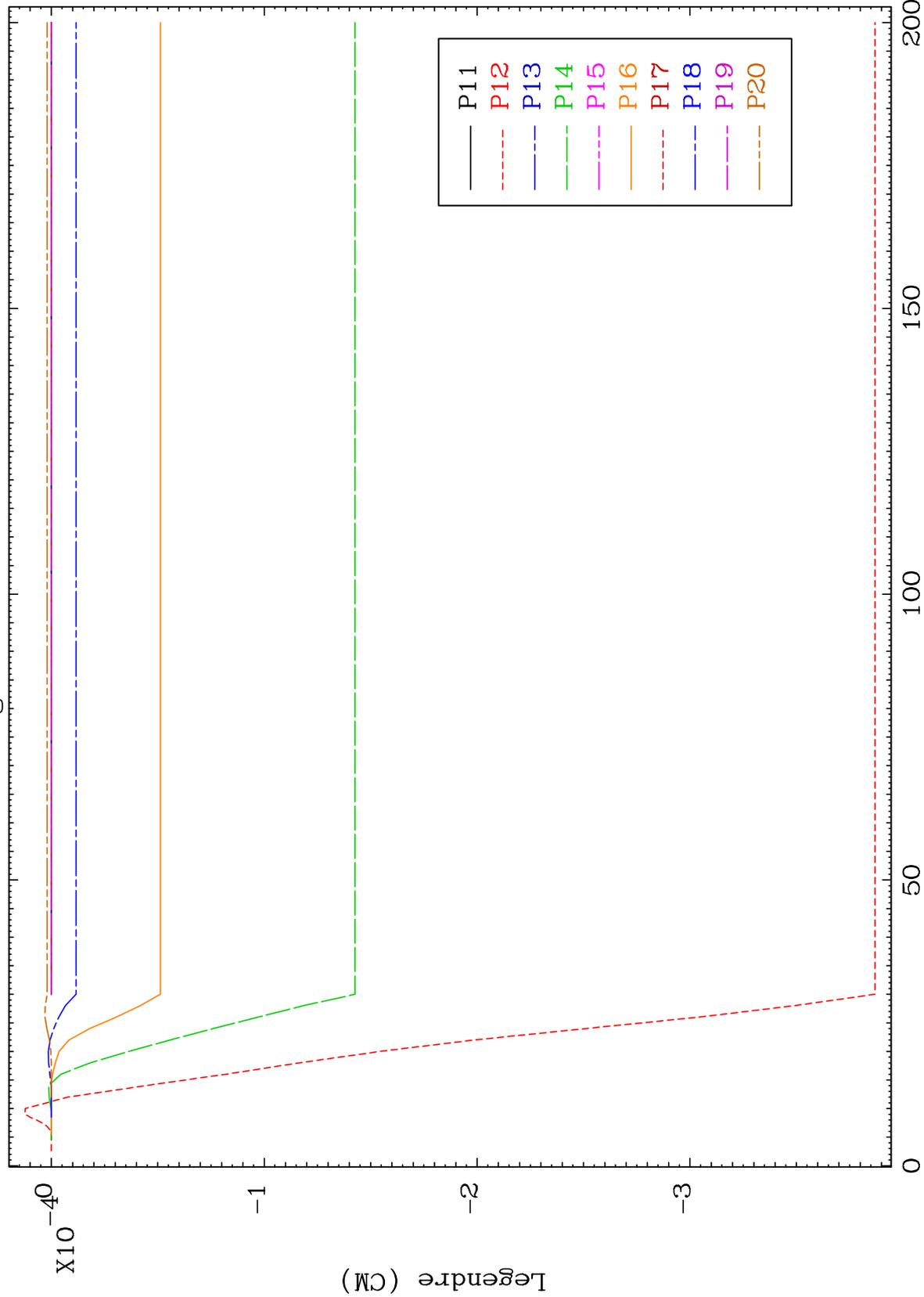
Incident Energy (MeV)

90

MAT 8522

MT= 70 (n,n') Level
Legendre Coefficients

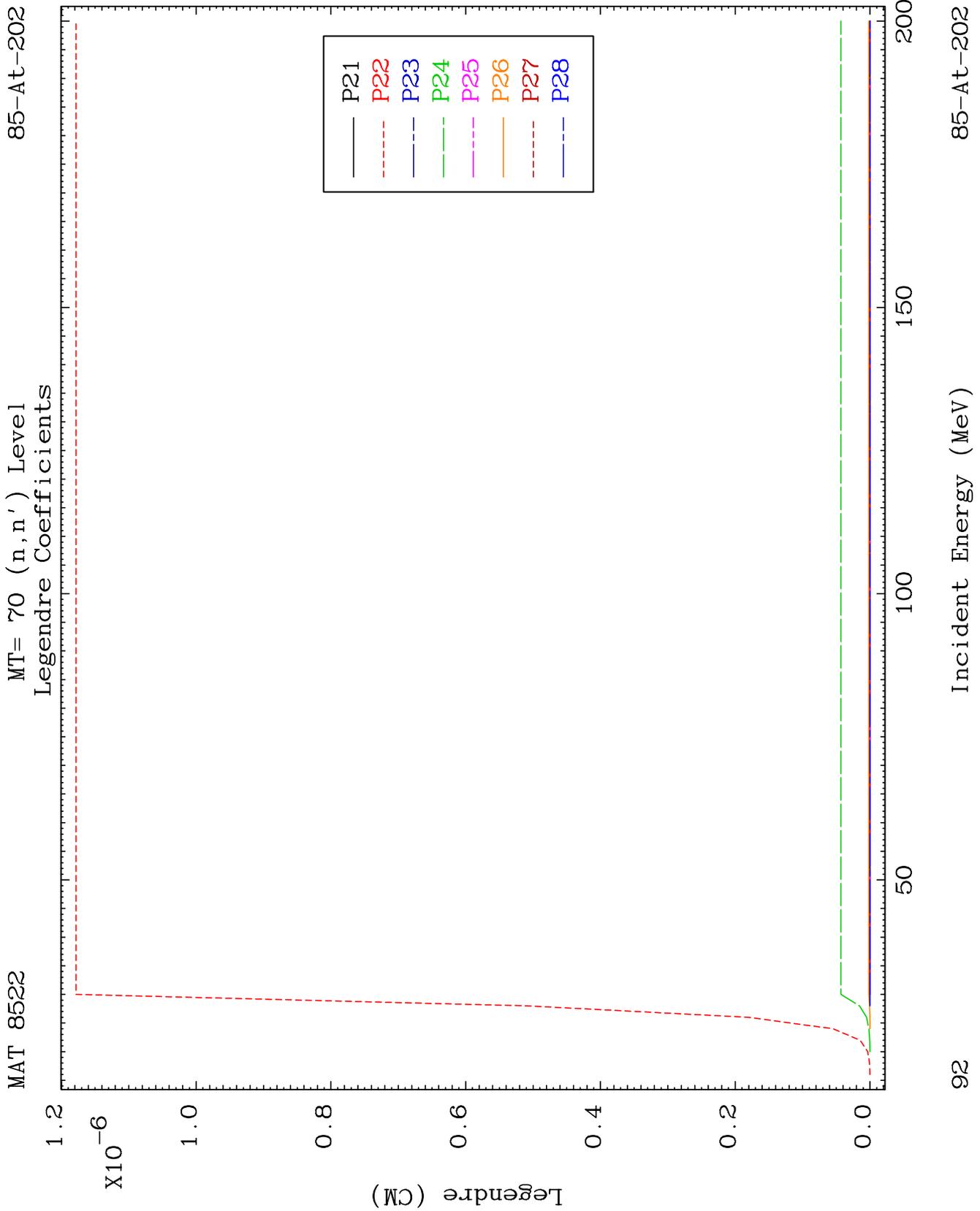
85-At-202

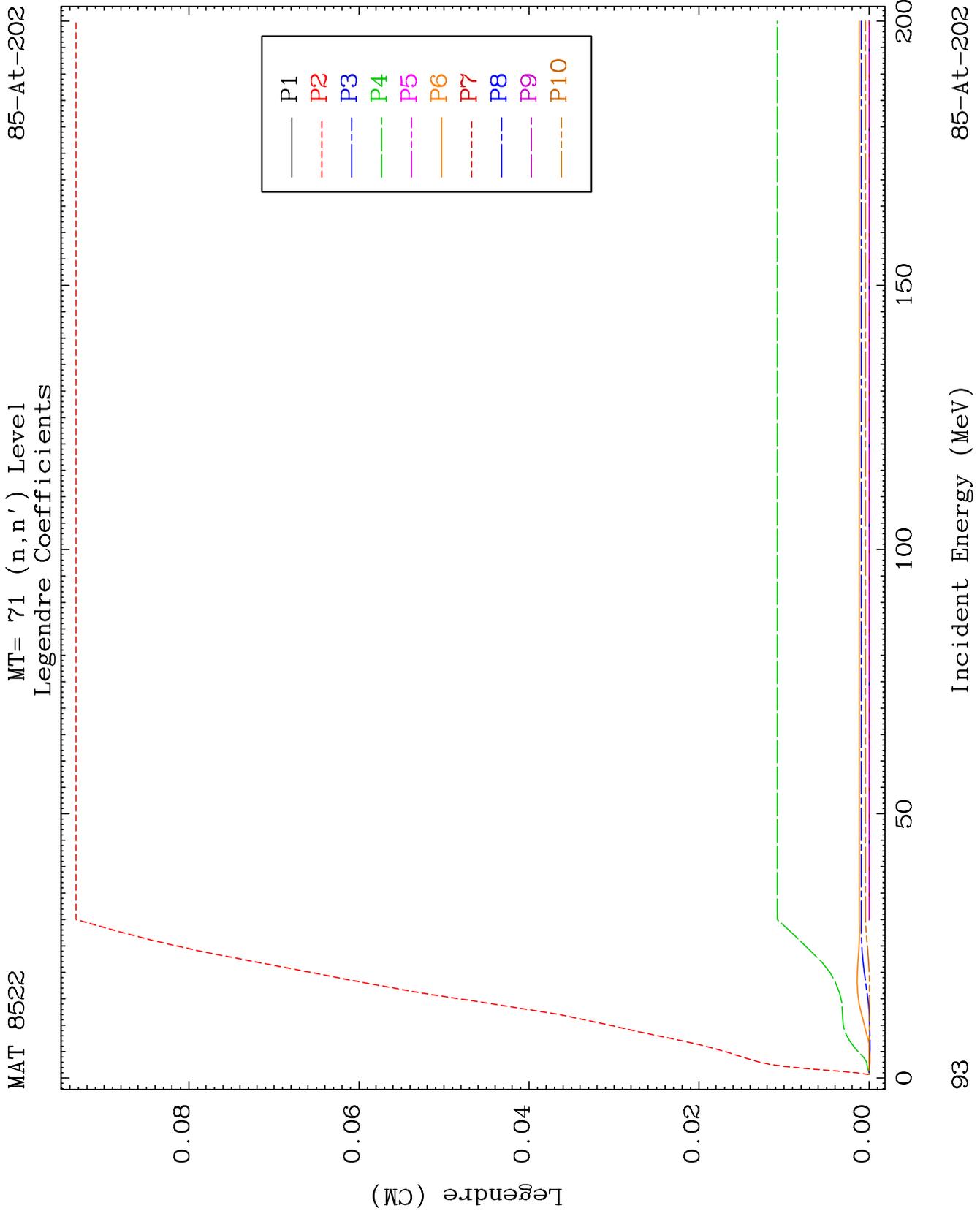


91

Incident Energy (MeV)

85-At-202

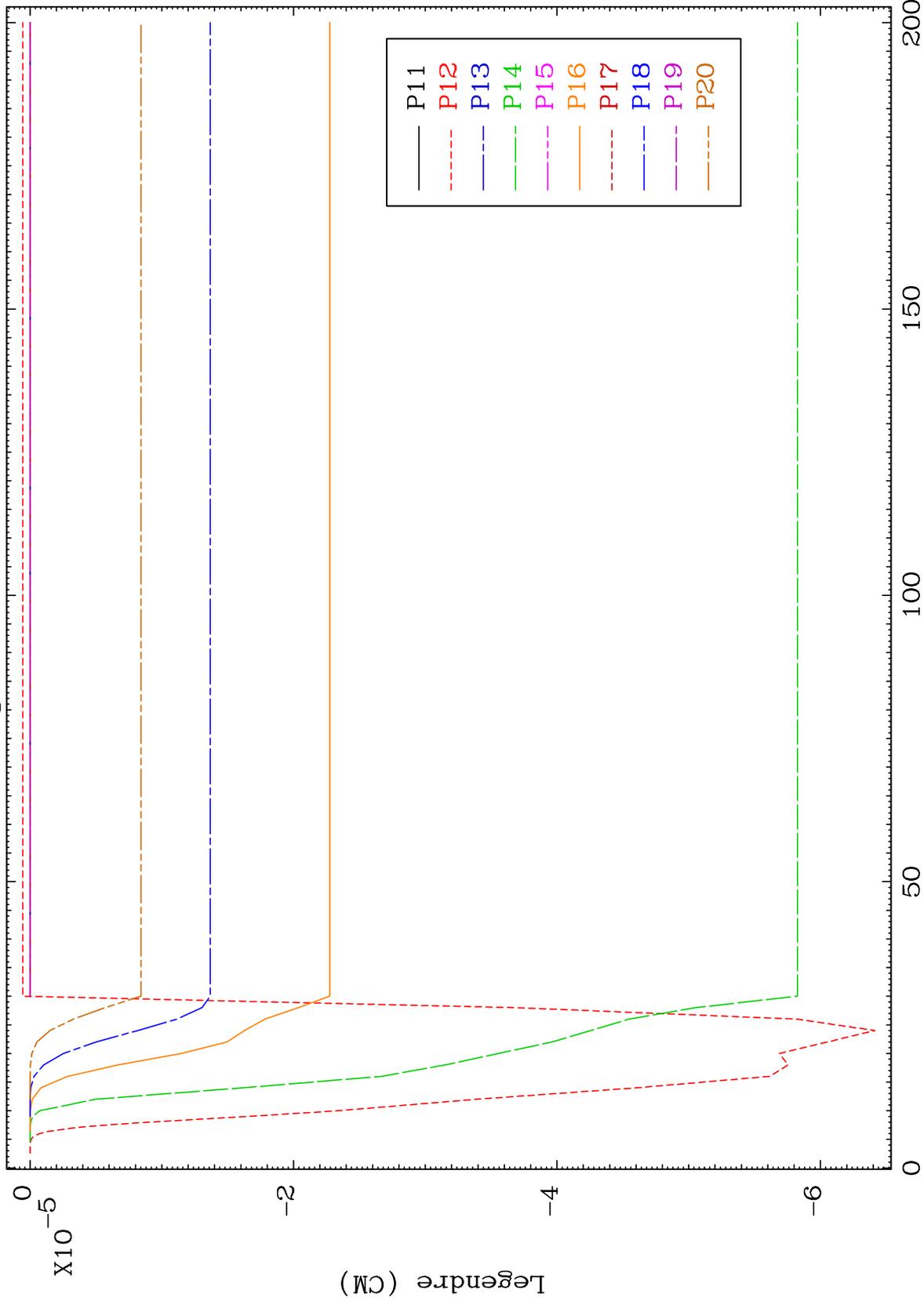




MAT 85222

MT= 71 (n,n') Level
Legendre Coefficients

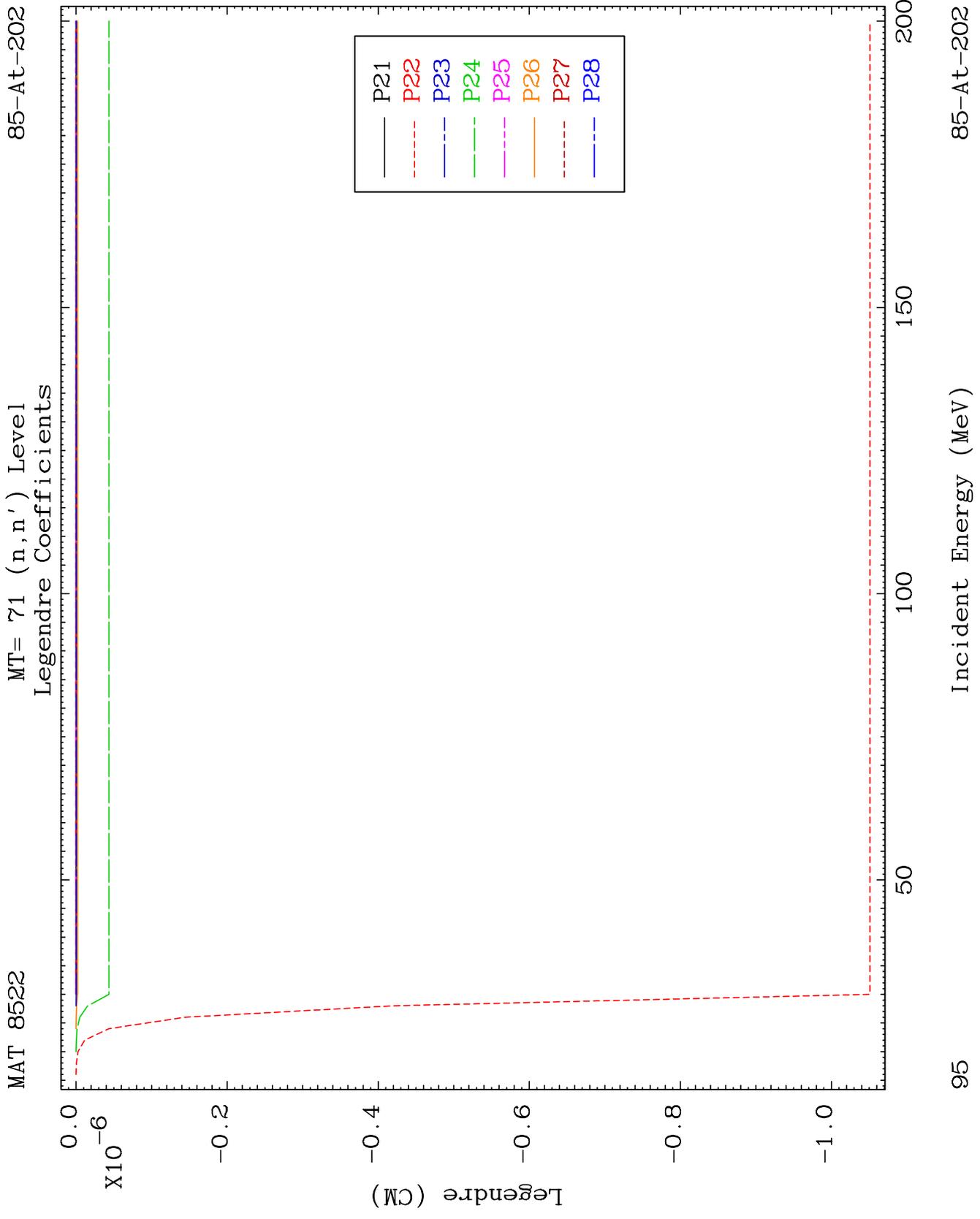
85-At-202



94

Incident Energy (MeV)

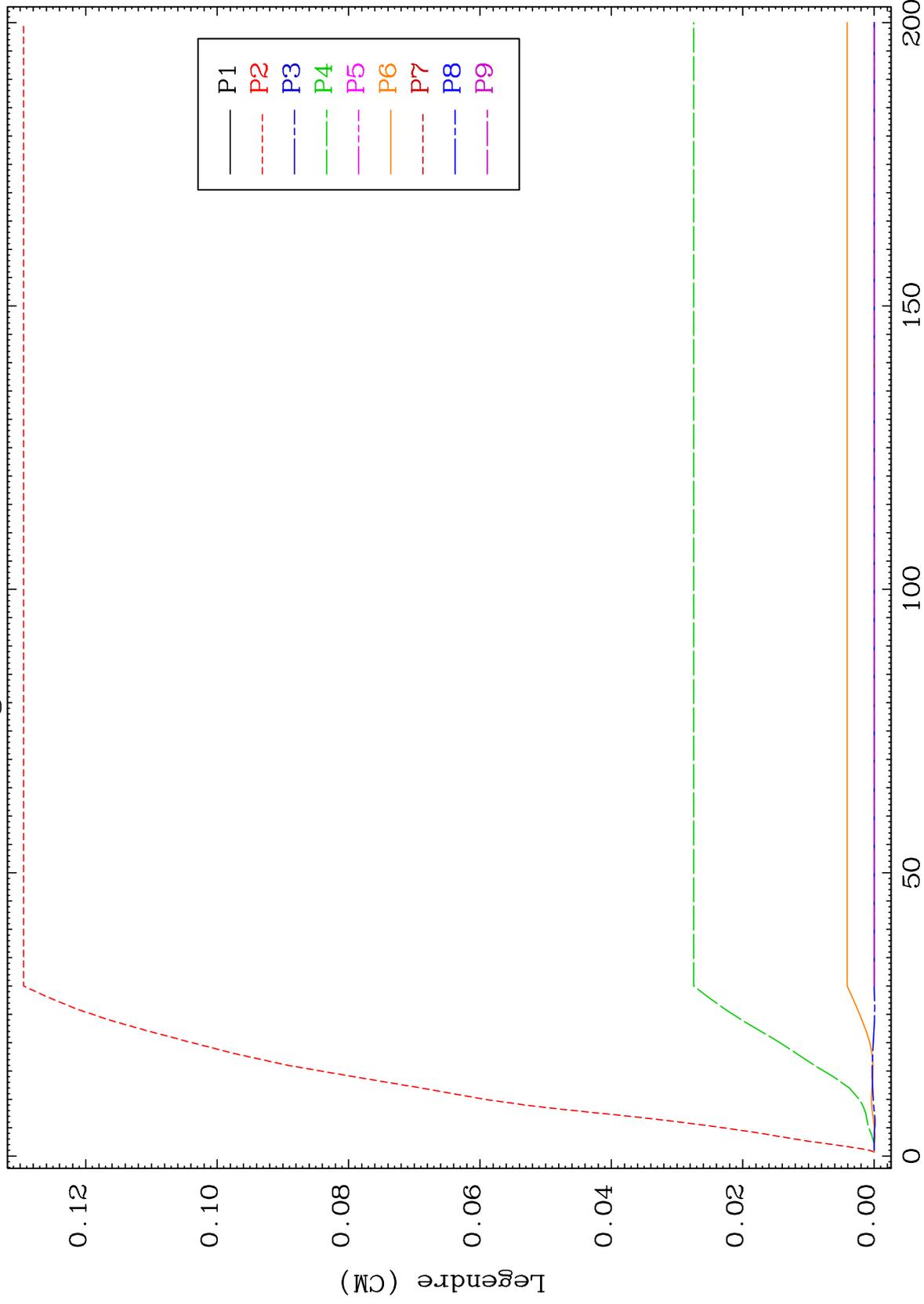
85-At-202



MAT 85222

MT= 72 (n,n') Level
Legendre Coefficients

85-At-202



96

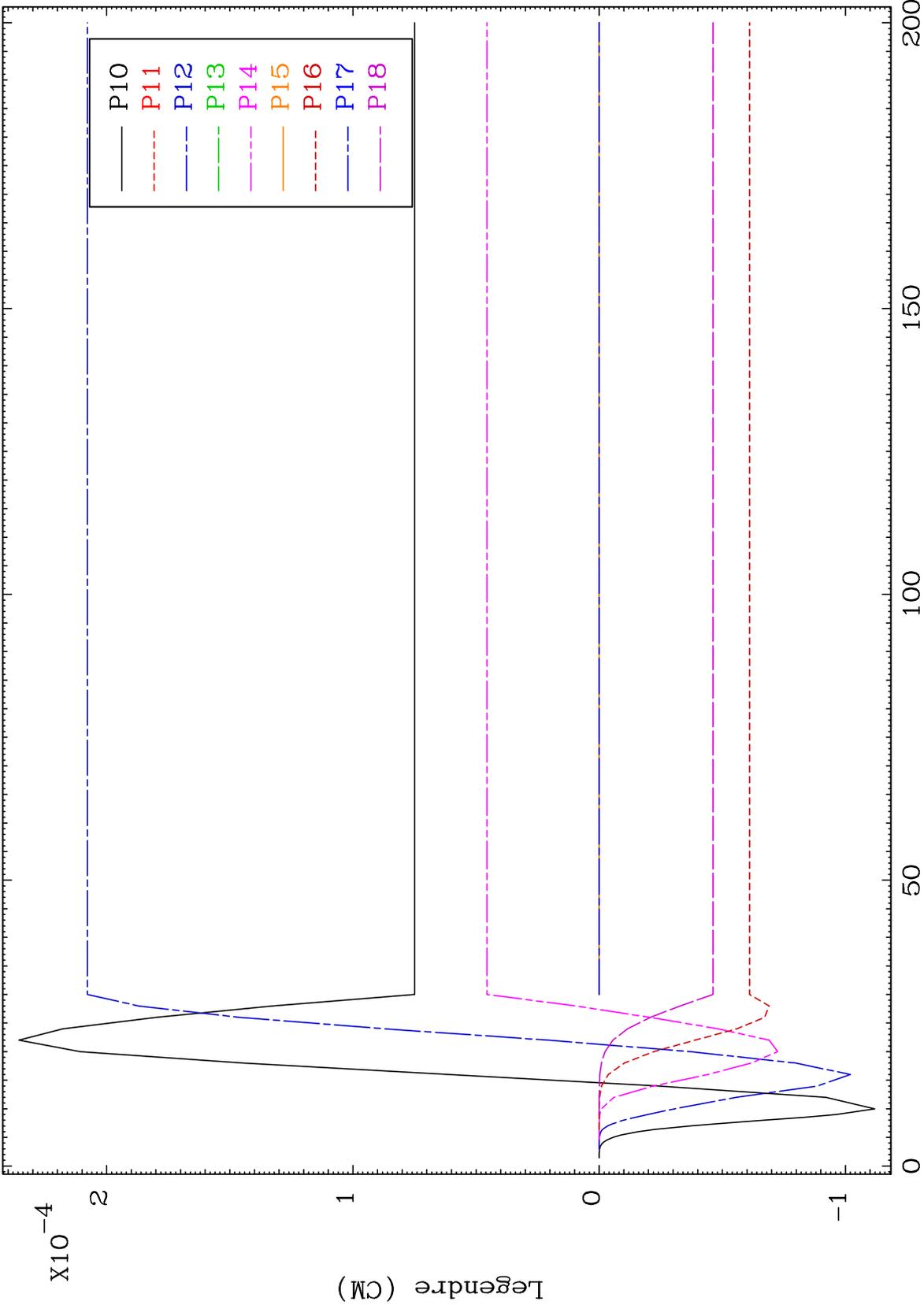
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 72 (n,n') Level
Legendre Coefficients

85-At-202



97

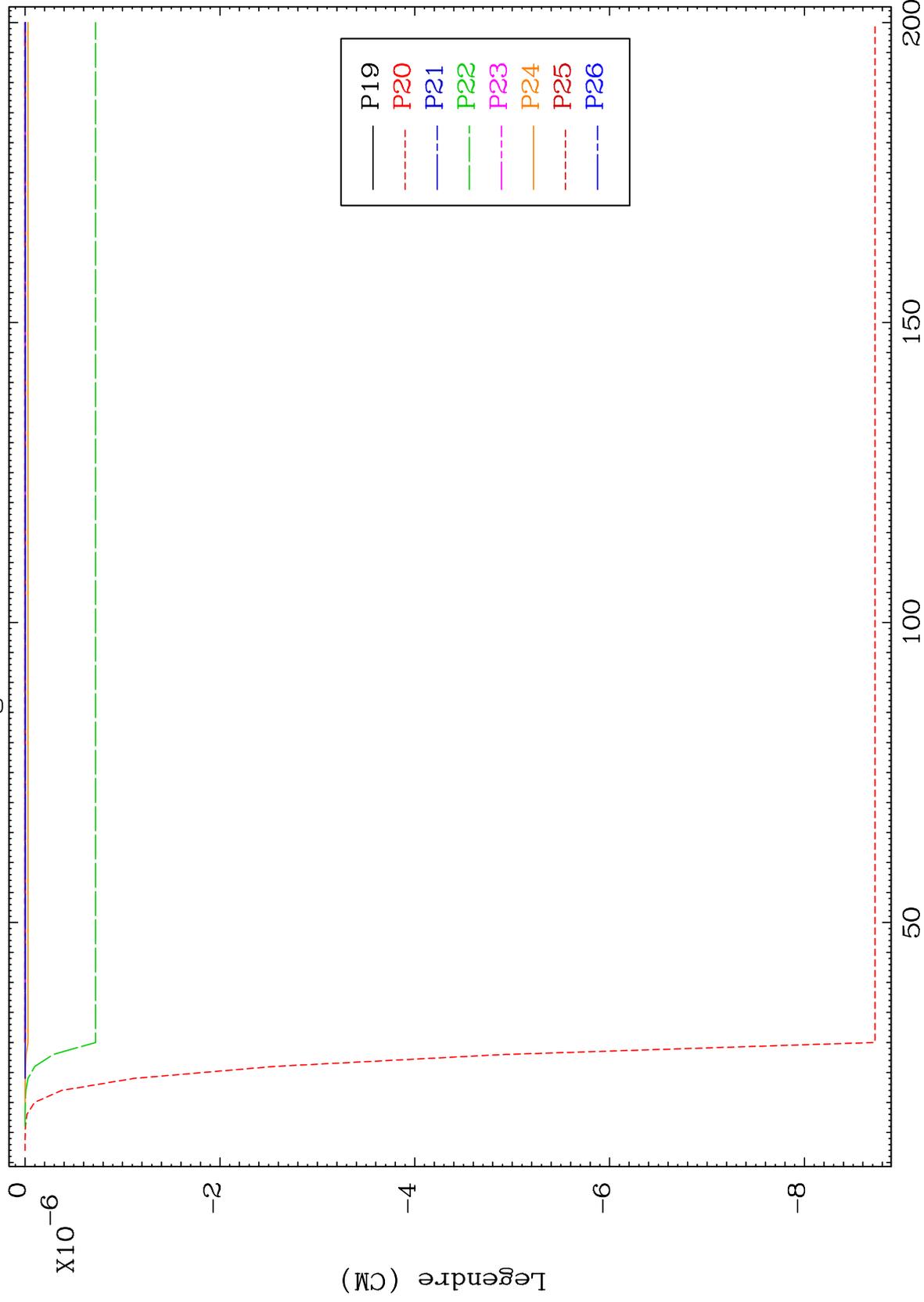
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 72 (n,n') Level
Legendre Coefficients

85-At-202



98

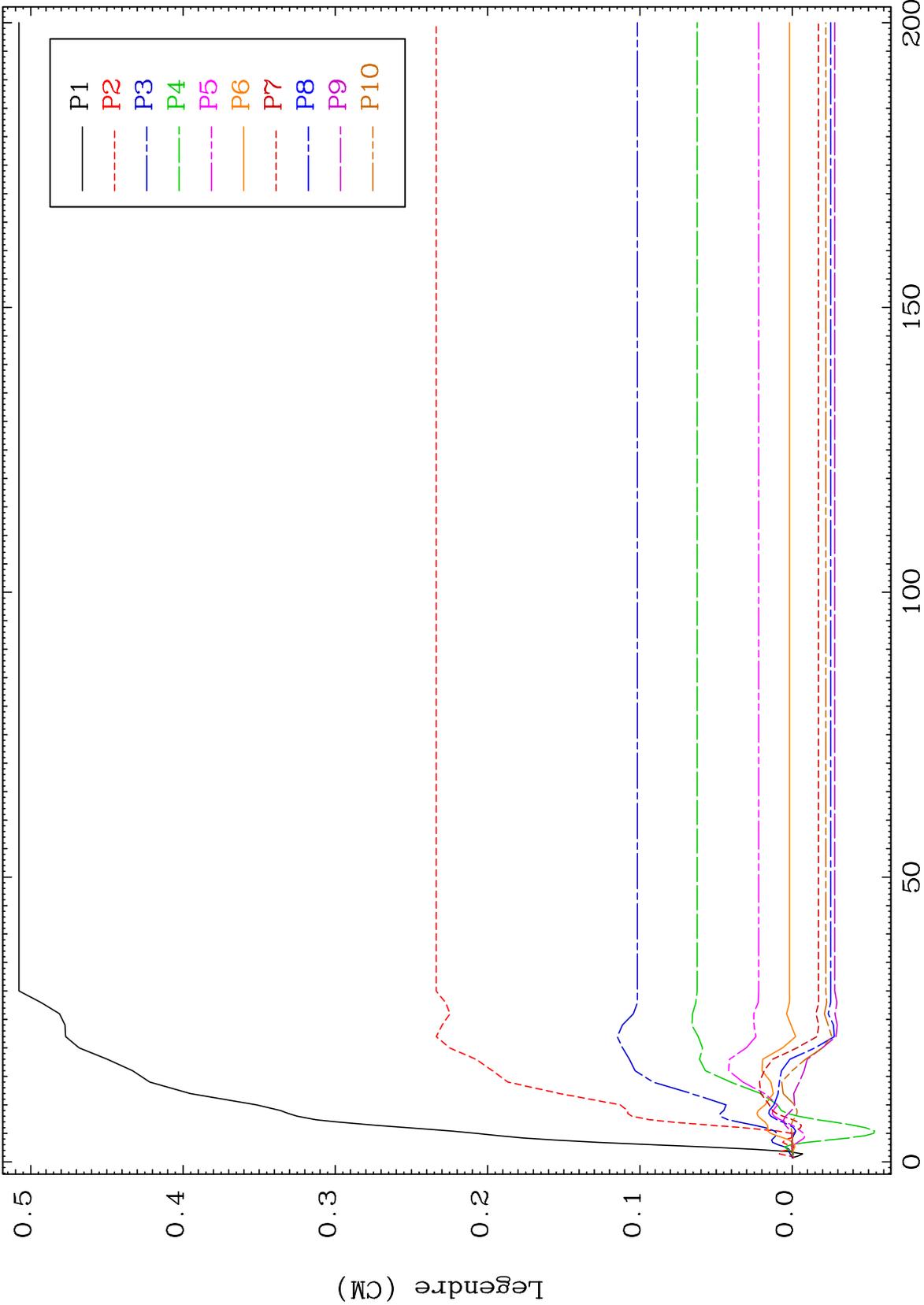
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 73 (n,n') Level
Legendre Coefficients

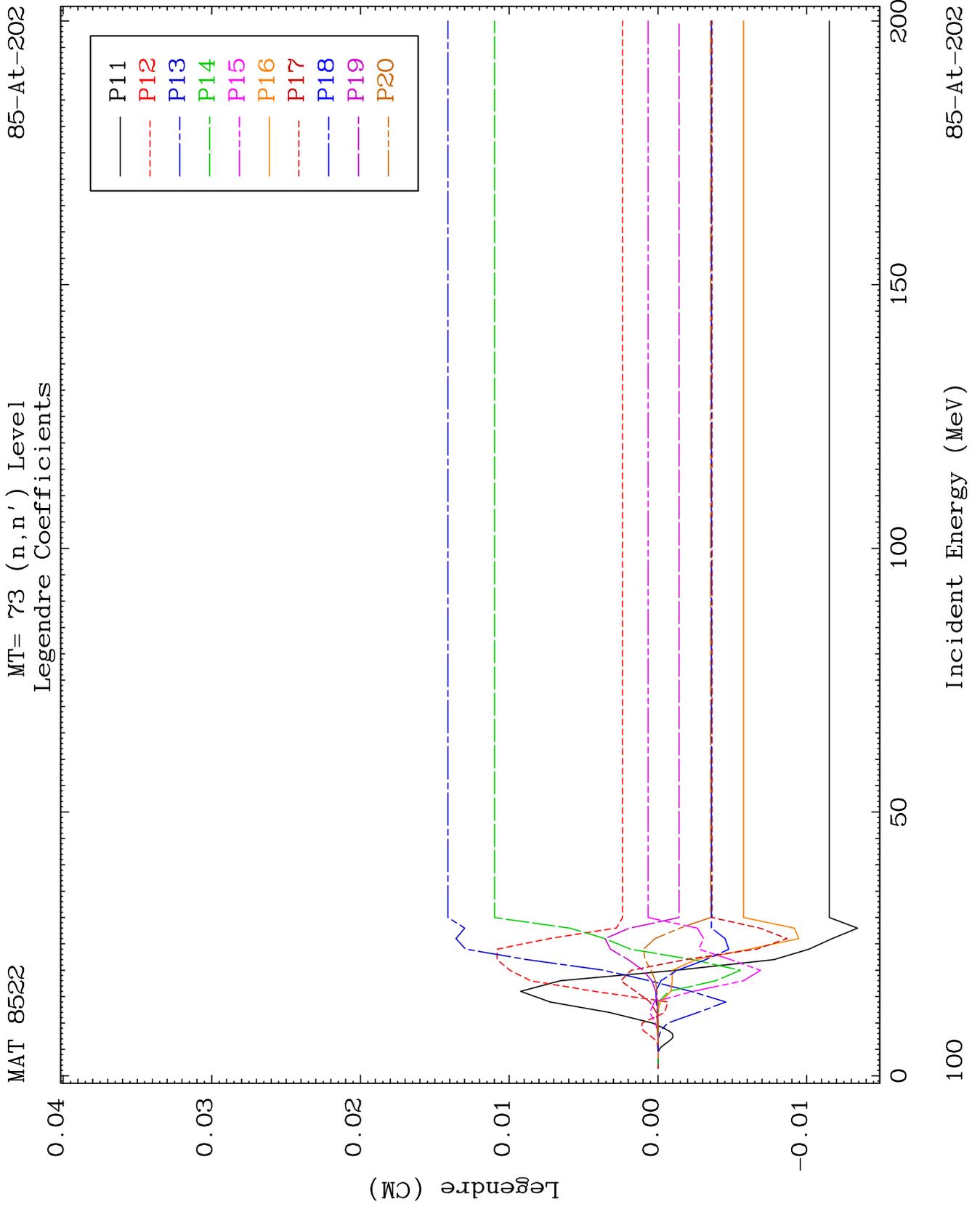
85-At-202



99

Incident Energy (MeV)

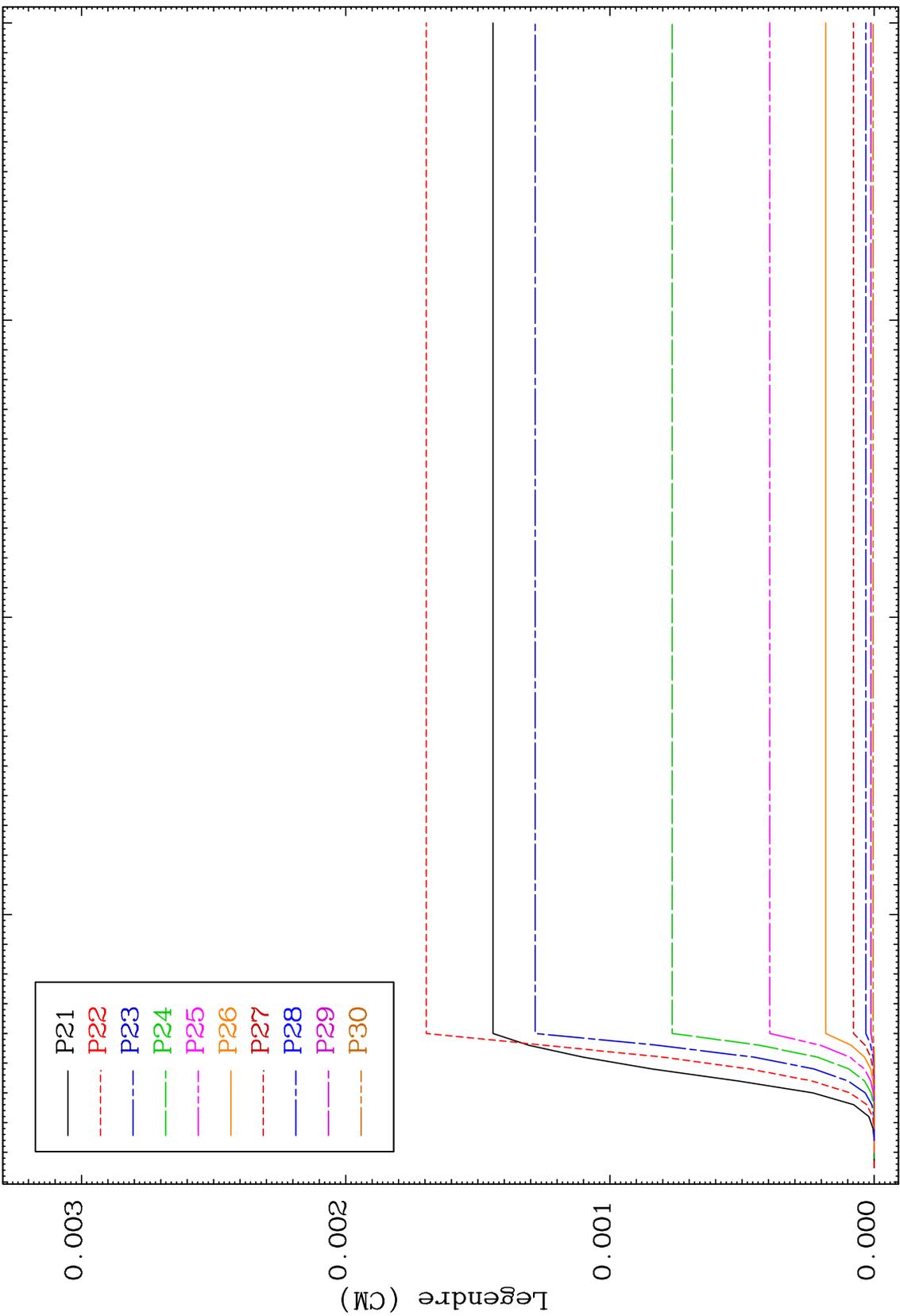
85-At-202



MAT 85222

MT= 73 (n,n') Level
Legendre Coefficients

85-At-202



200

150

100

50

101

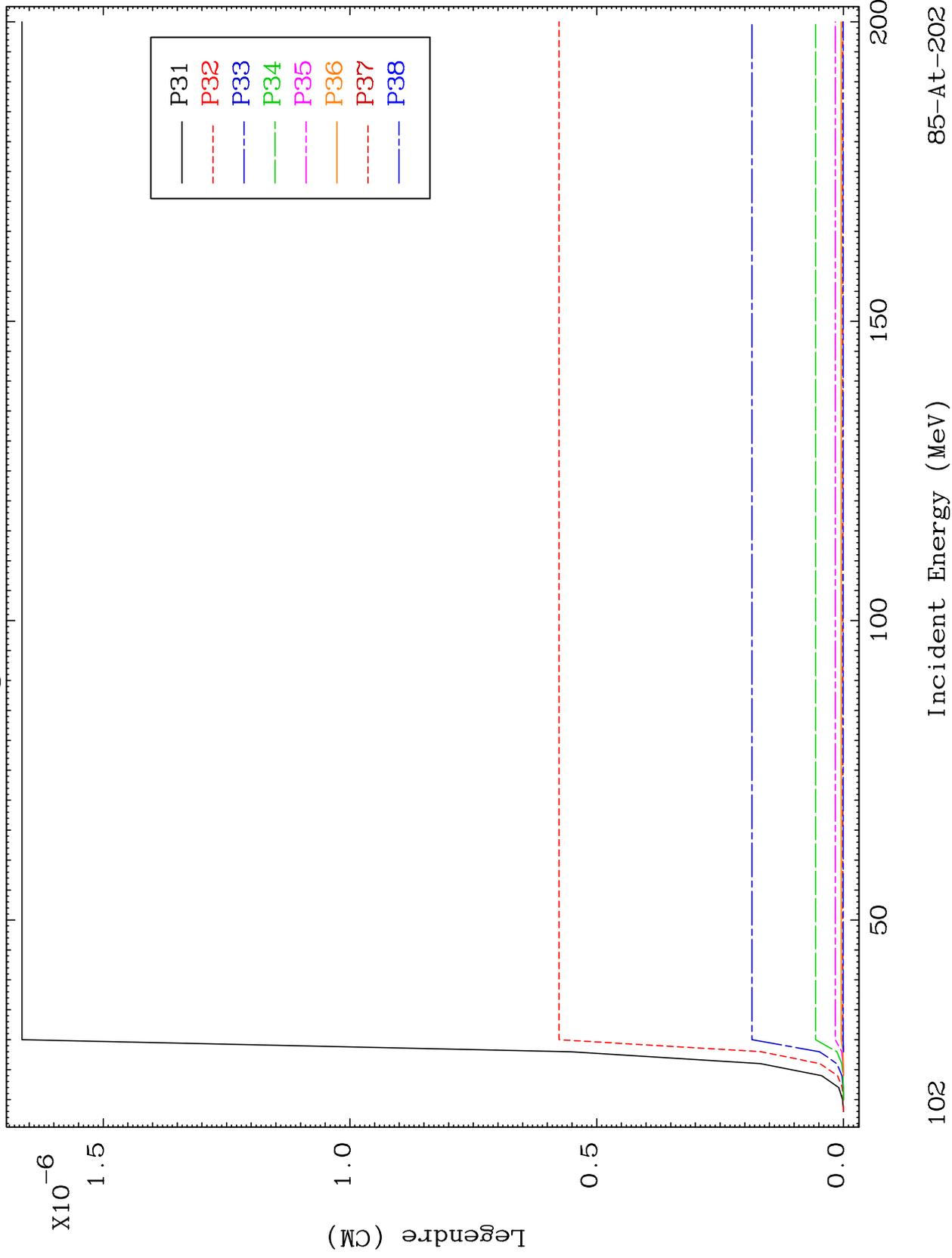
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 73 (n,n') Level
Legendre Coefficients

85-At-202

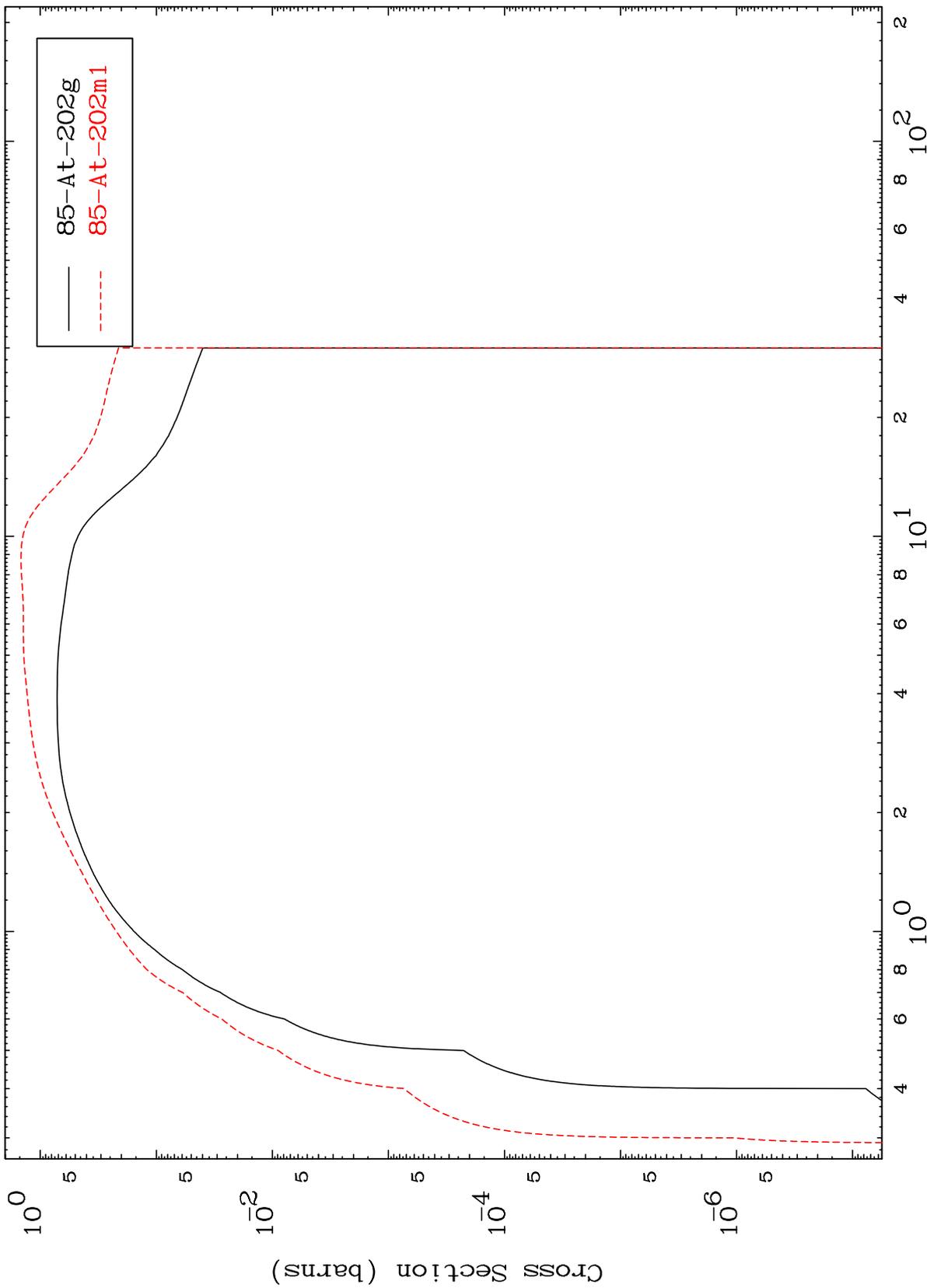


102

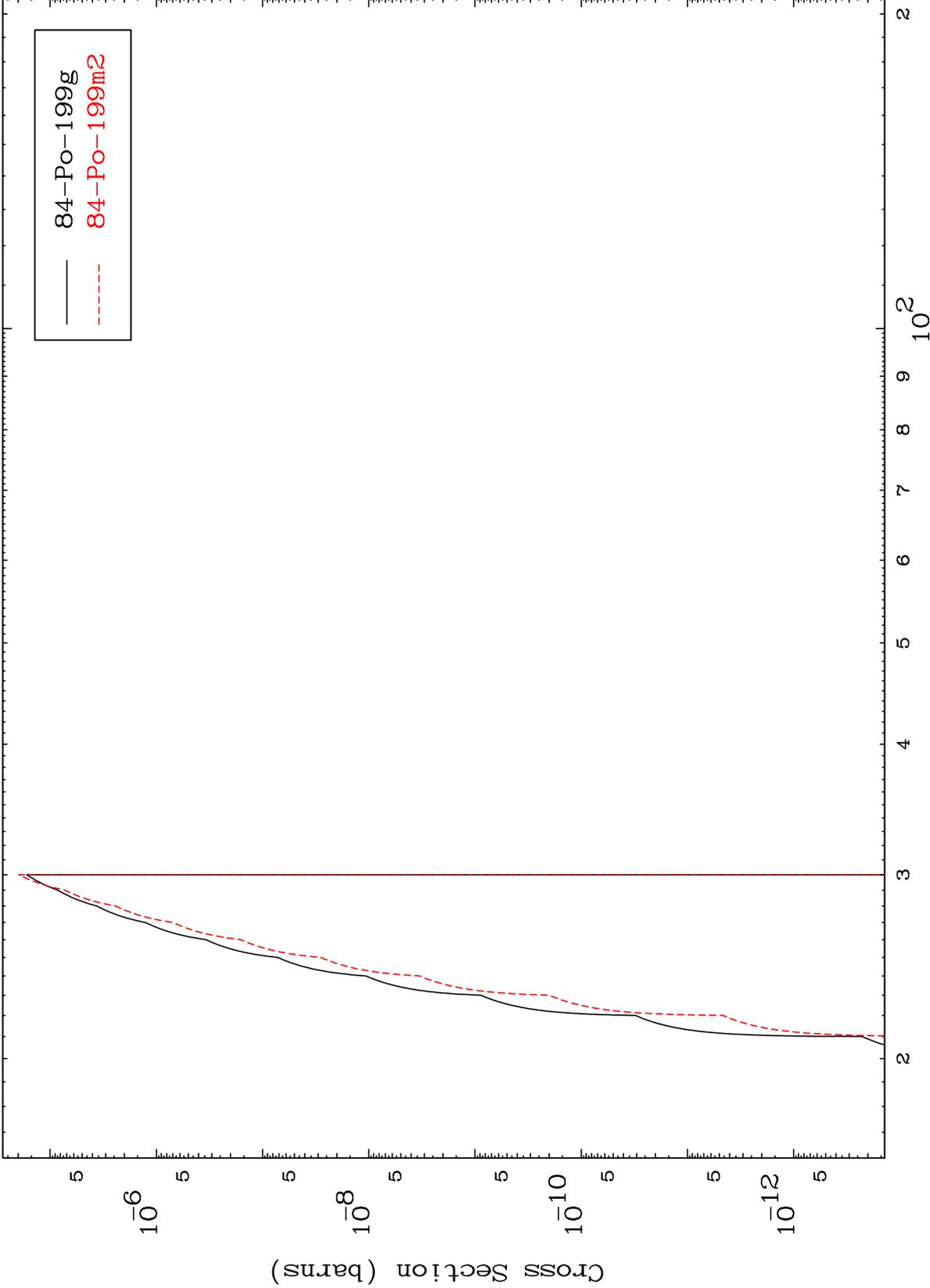
Incident Energy (MeV)

85-At-202

Inelastic
Radionuclide Production Cross Section

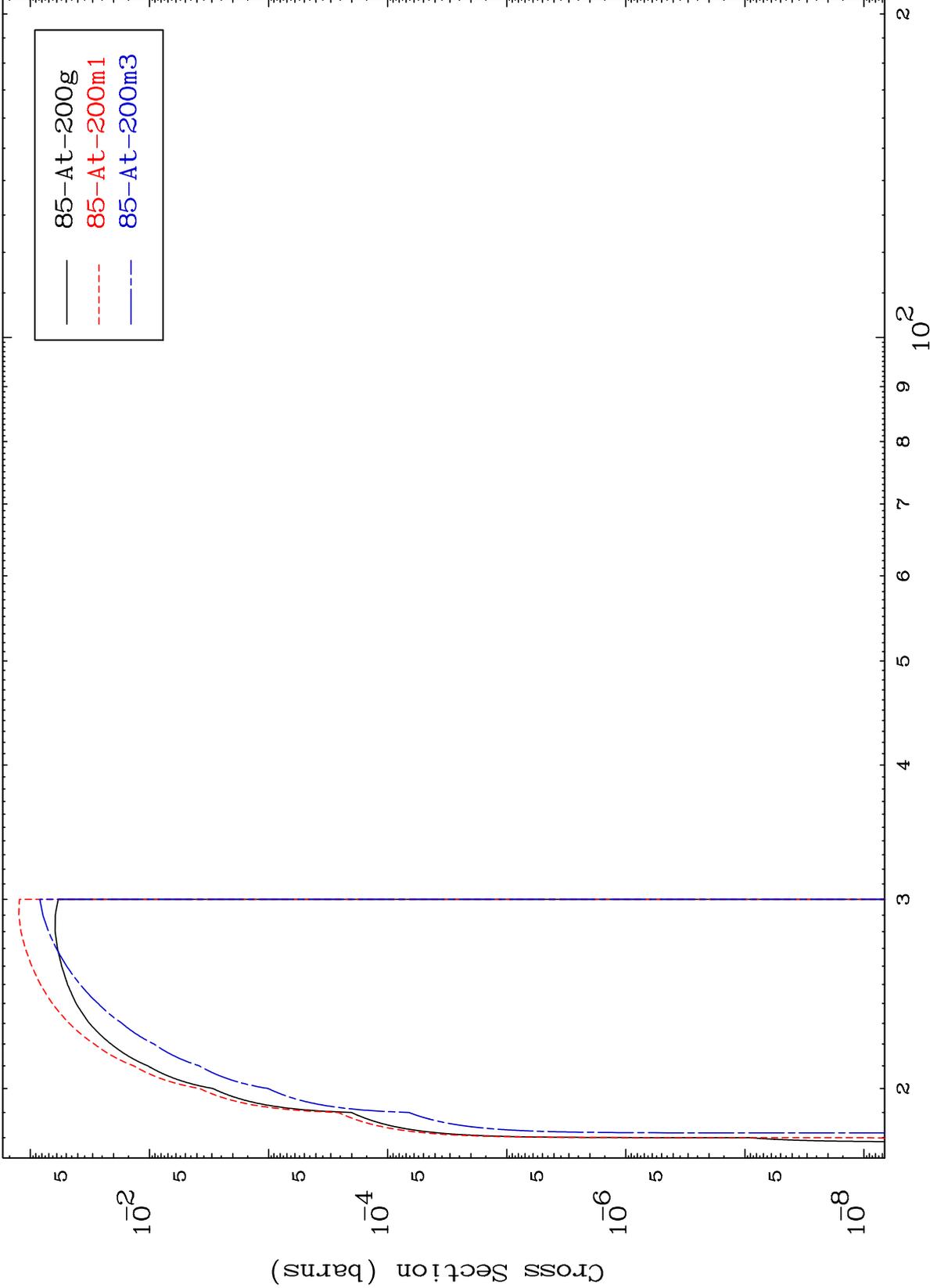


Radionuclide Production Cross Section



84-Po-199g
84-Po-199m2

Radionuclide Production Cross Section

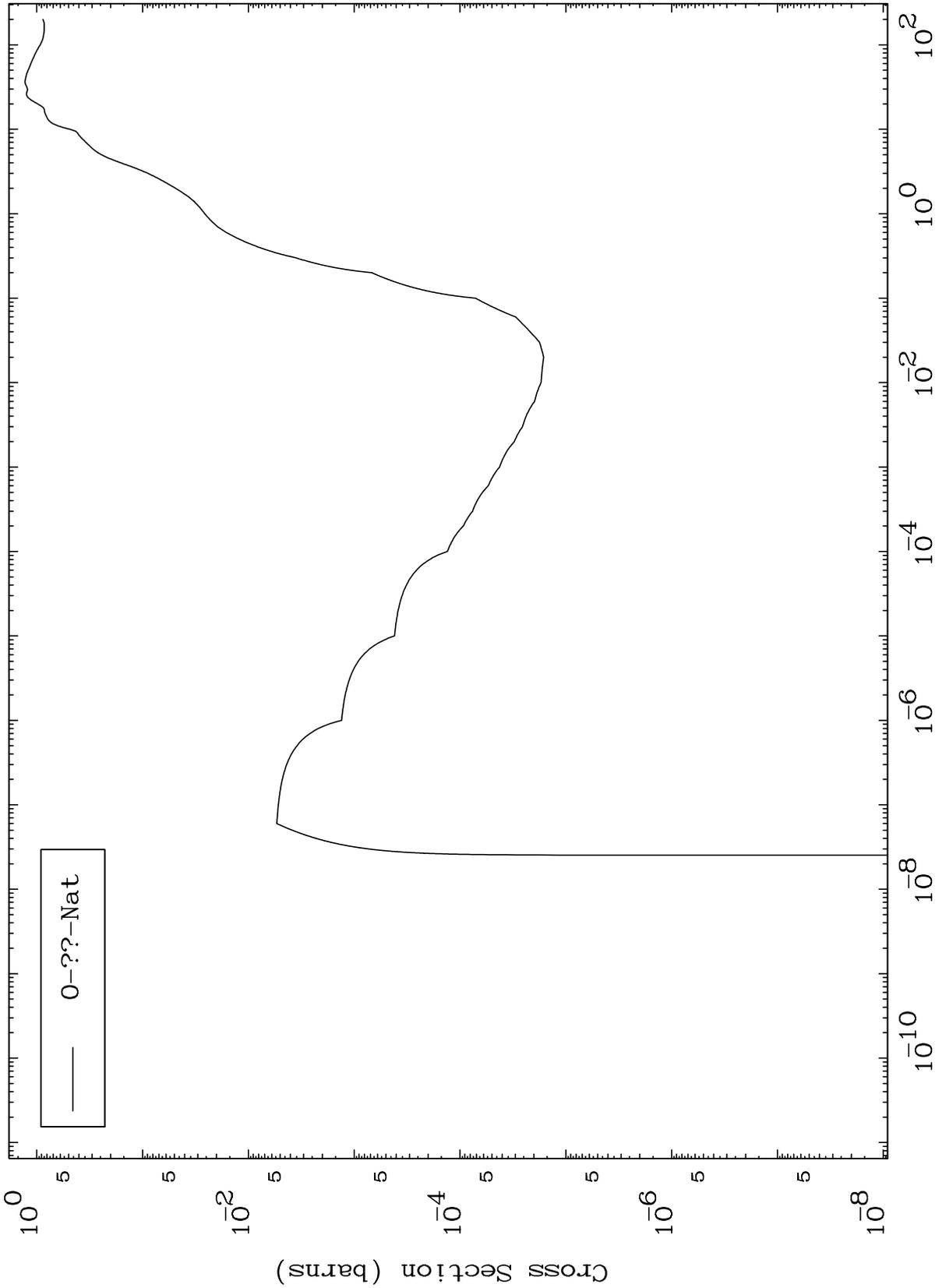


MAT 8522

Fission

85-At-202

Radionuclide Production Cross Section

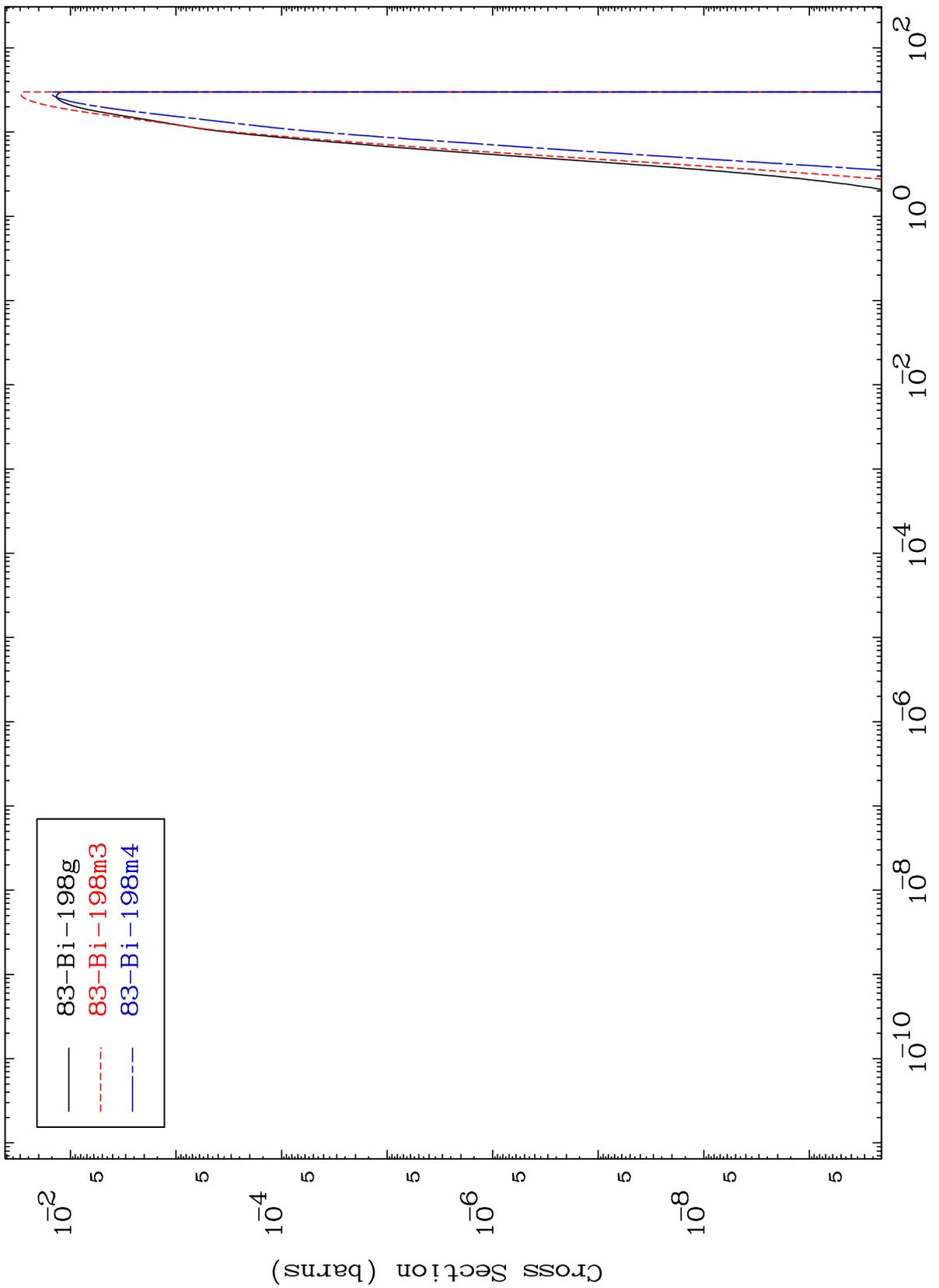


MAT 85222

(n,n') α

85-At-202

Radionuclide Production Cross Section



107

Incident Energy (MeV)

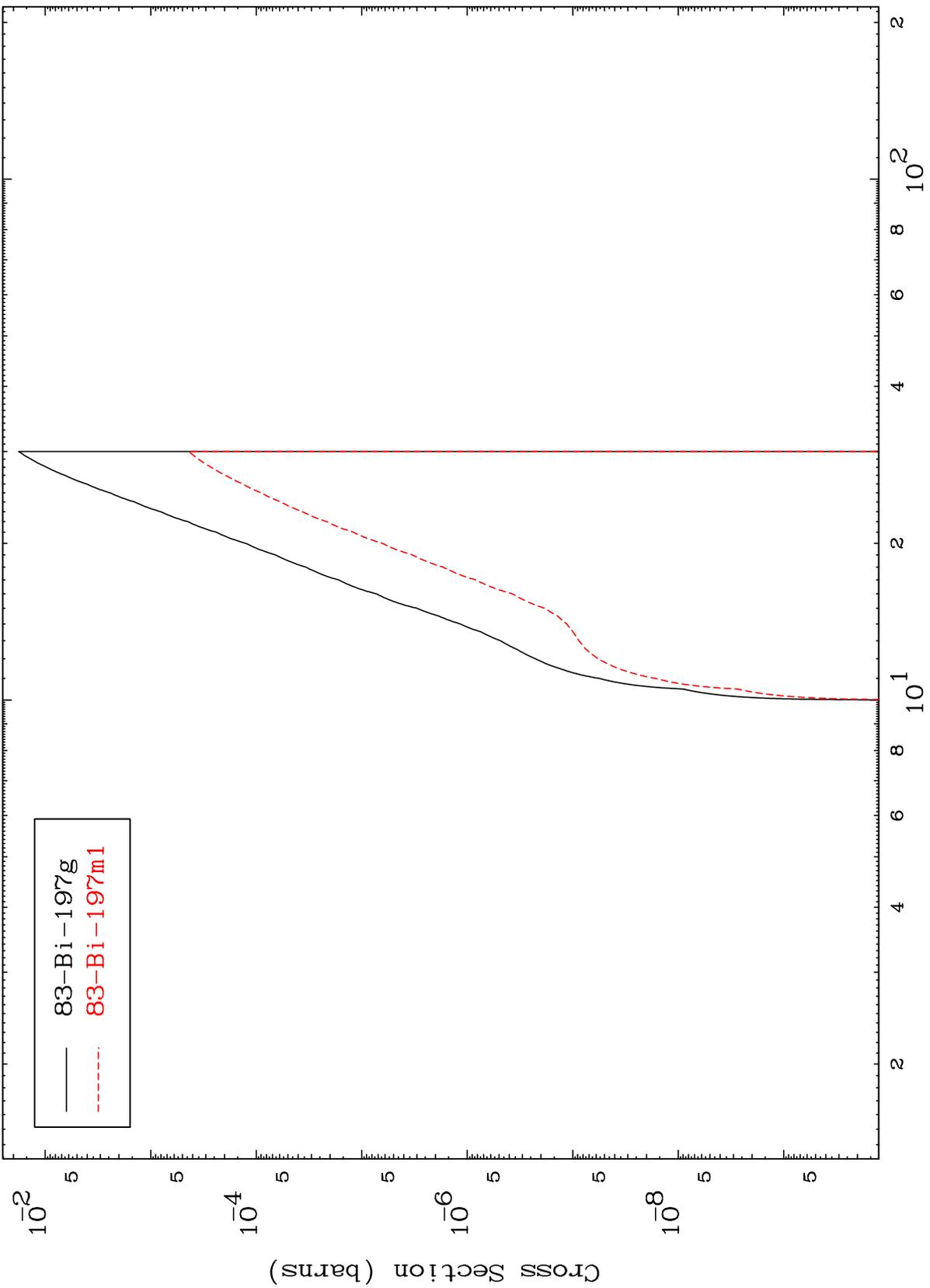
85-At-202

MAT 85222

(n,2n) α

85-At-202

Radionuclide Production Cross Section

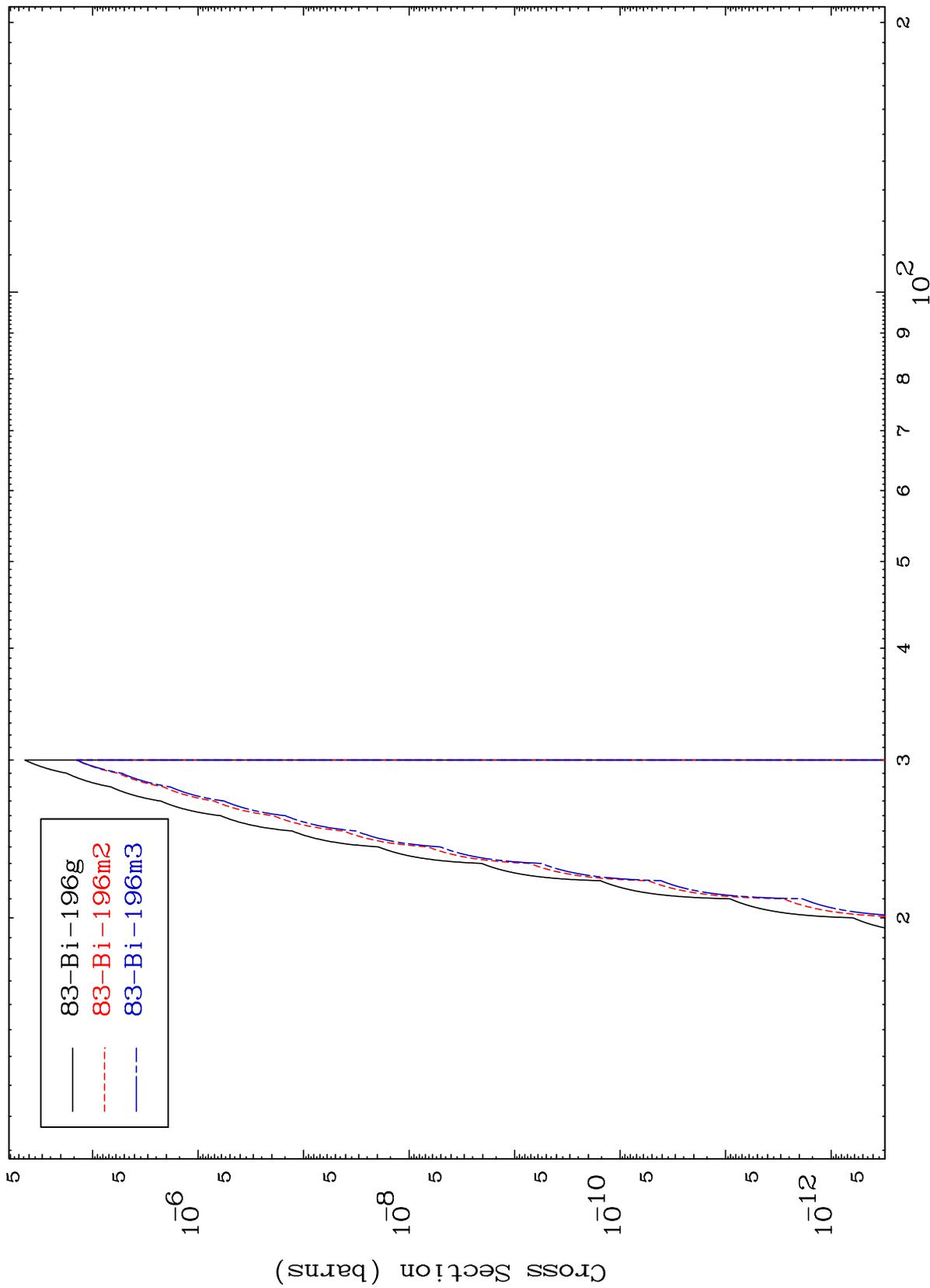


108

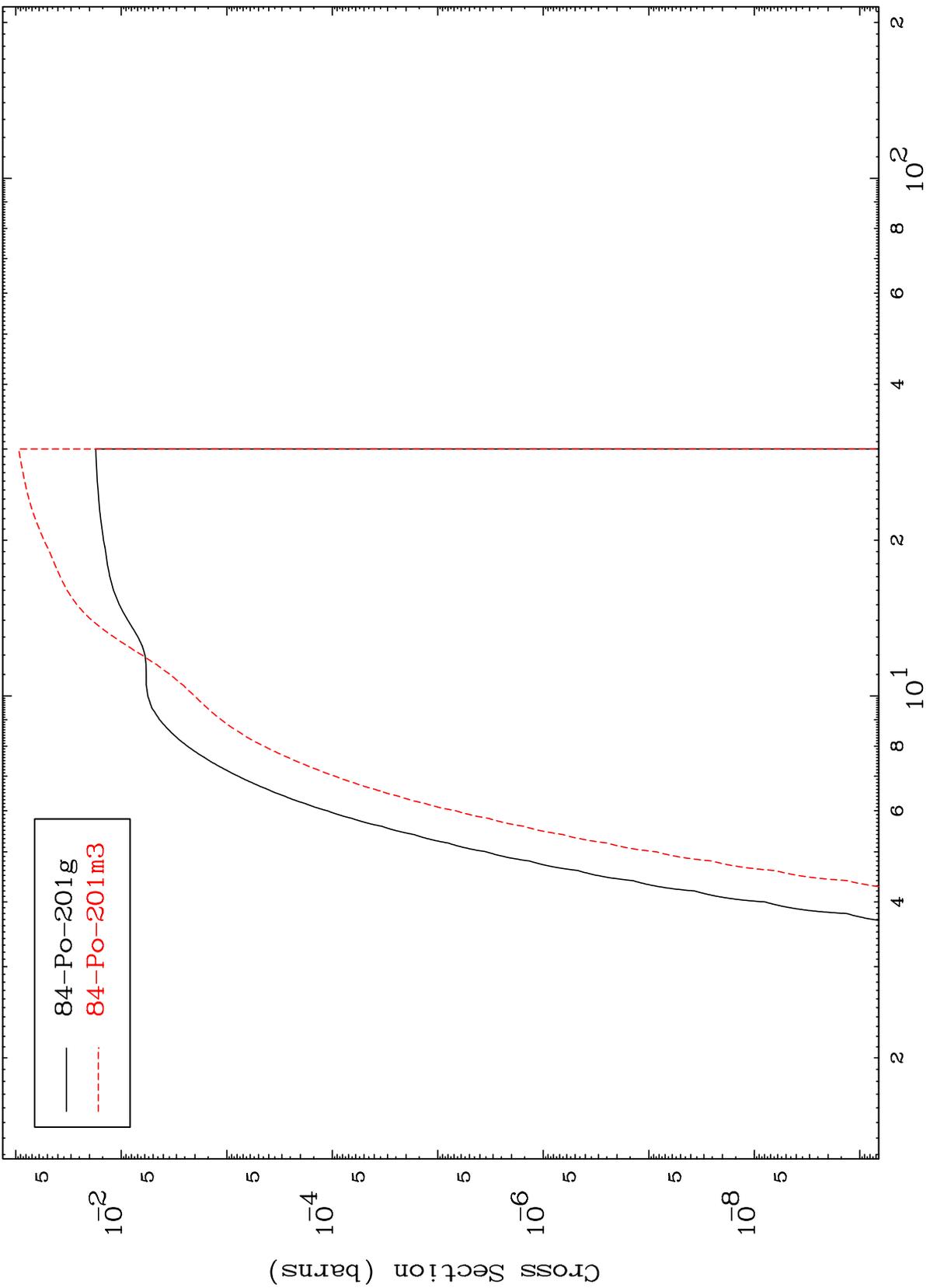
Incident Energy (MeV)

85-At-202

Radionuclide Production Cross Section



Radionuclide Production Cross Section



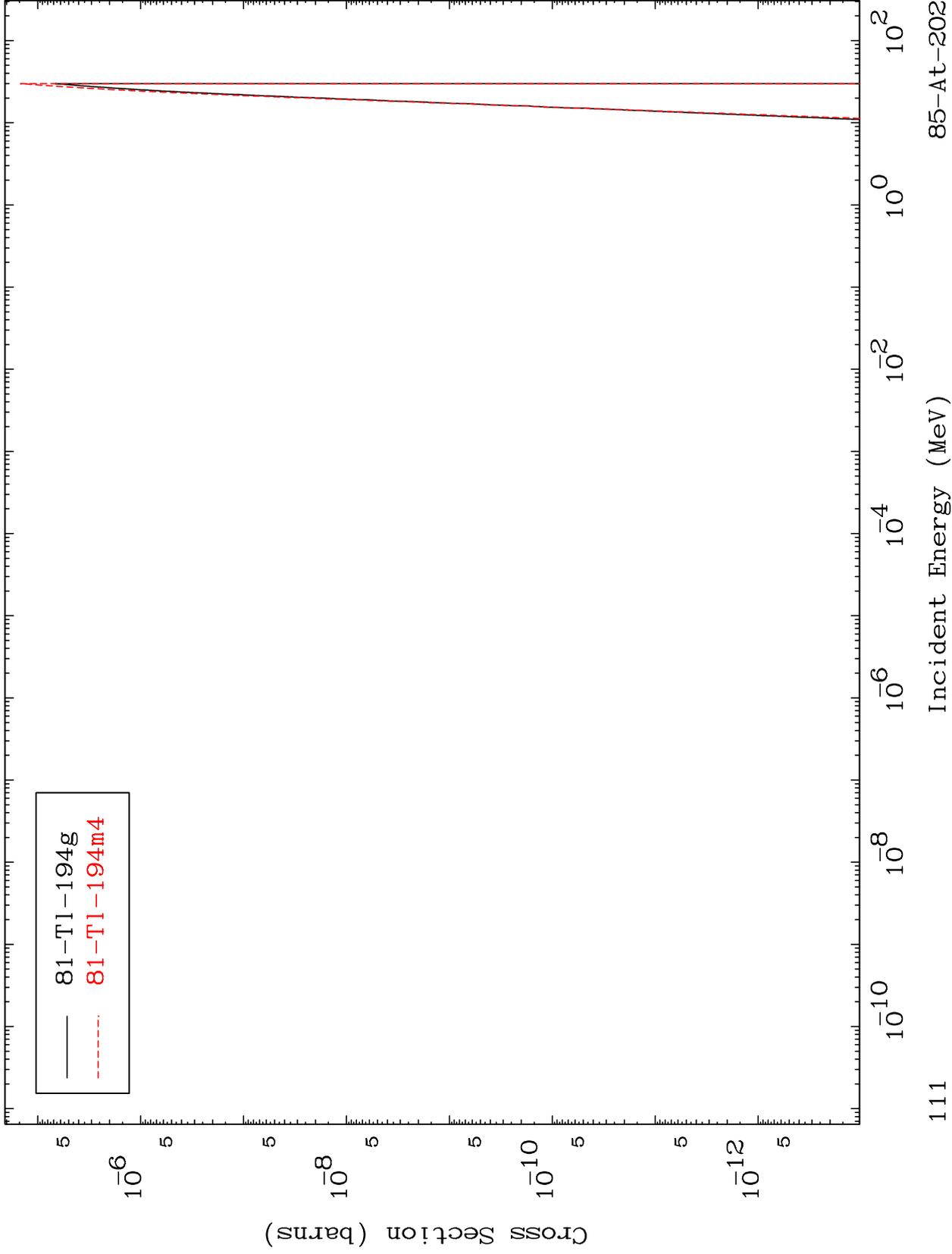
84-Po-201g
84-Po-201m3

MAT 85222

(n,n') 2α

85-At-202

Radionuclide Production Cross Section

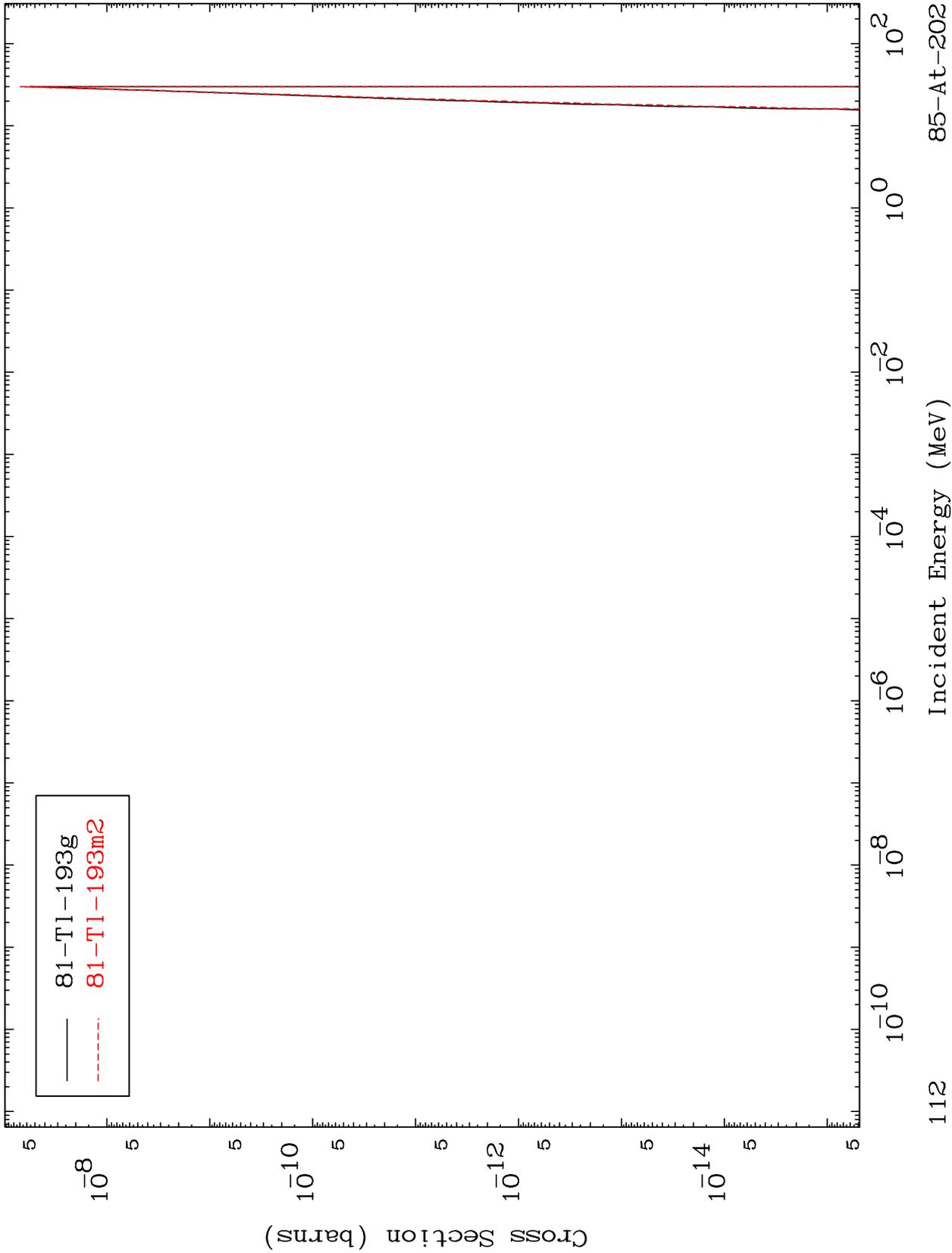


MAT 8522

(n,2n) 2α

85-At-202

Radionuclide Production Cross Section

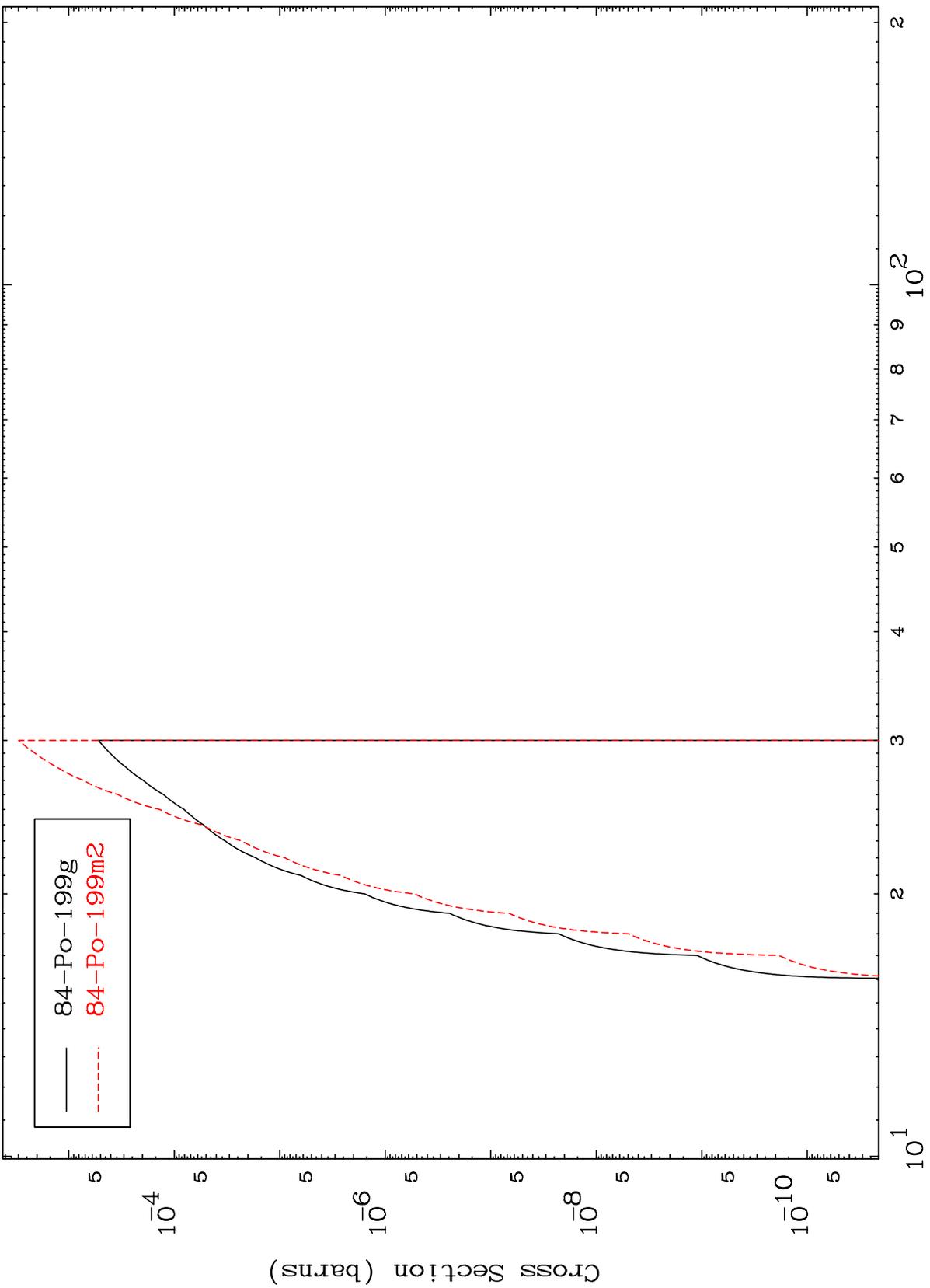


MAT 8522

(n,n') t

85-At-202

Radionuclide Production Cross Section

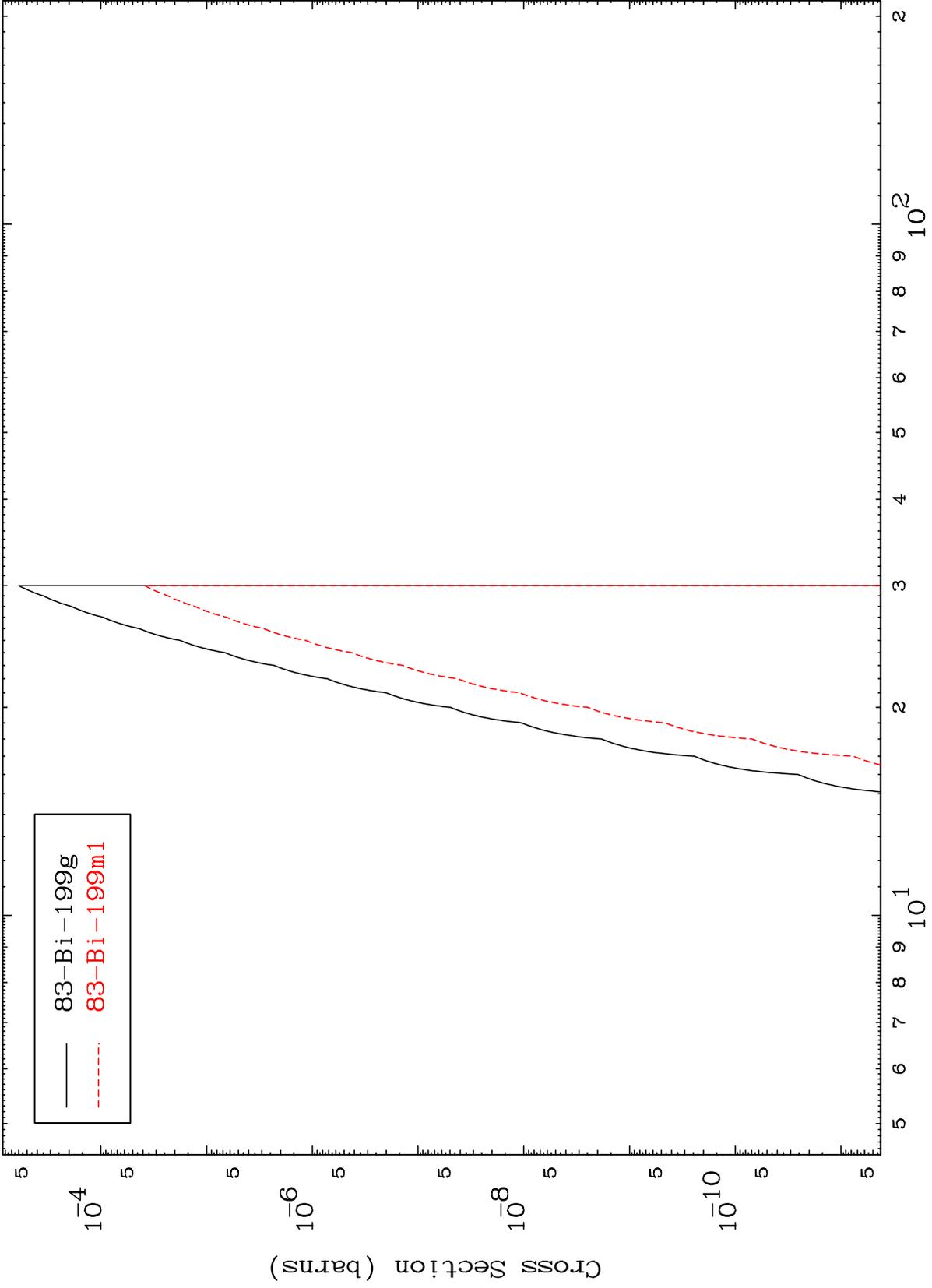


113

Incident Energy (MeV)

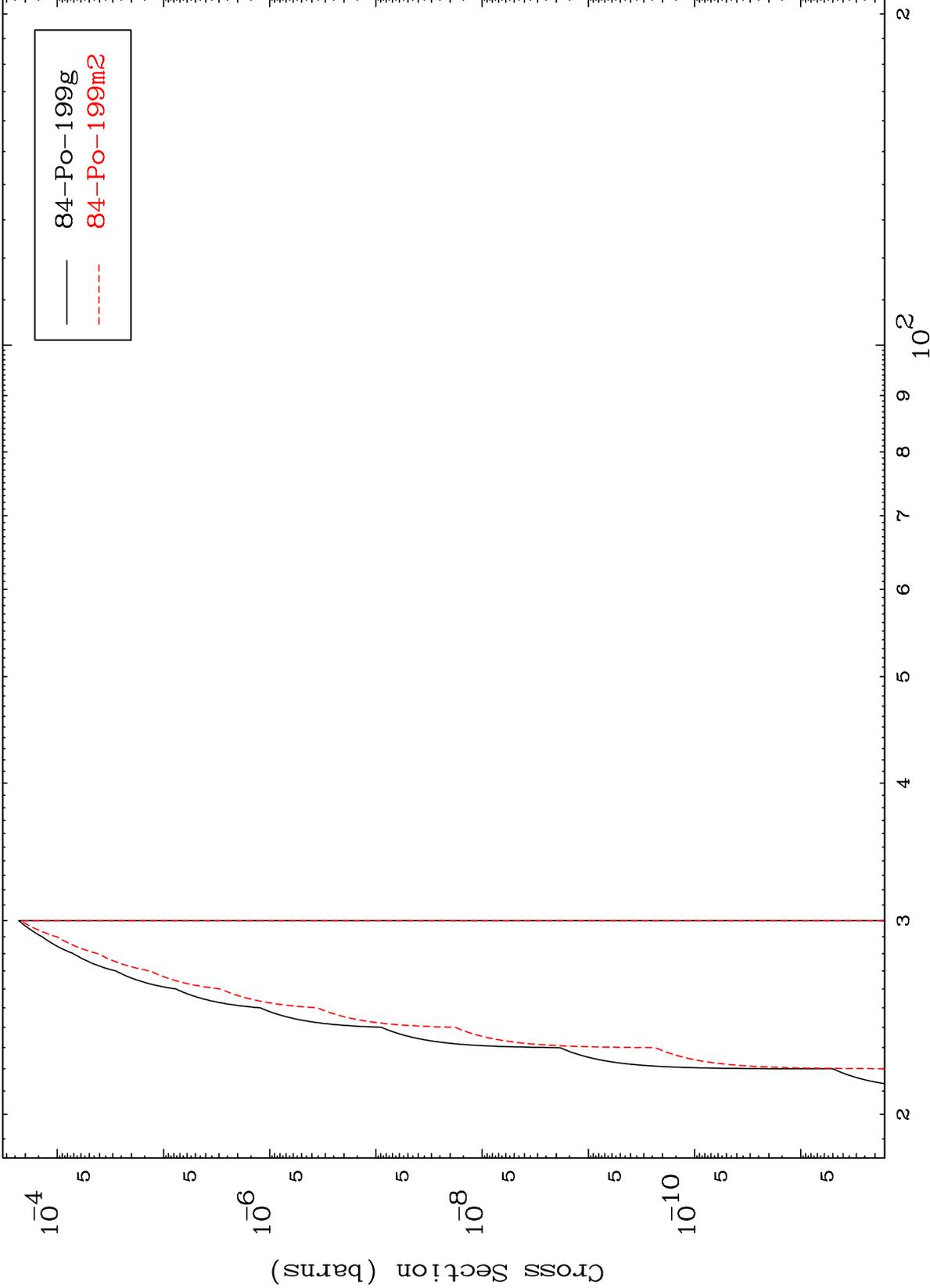
85-At-202

Radionuclide Production Cross Section

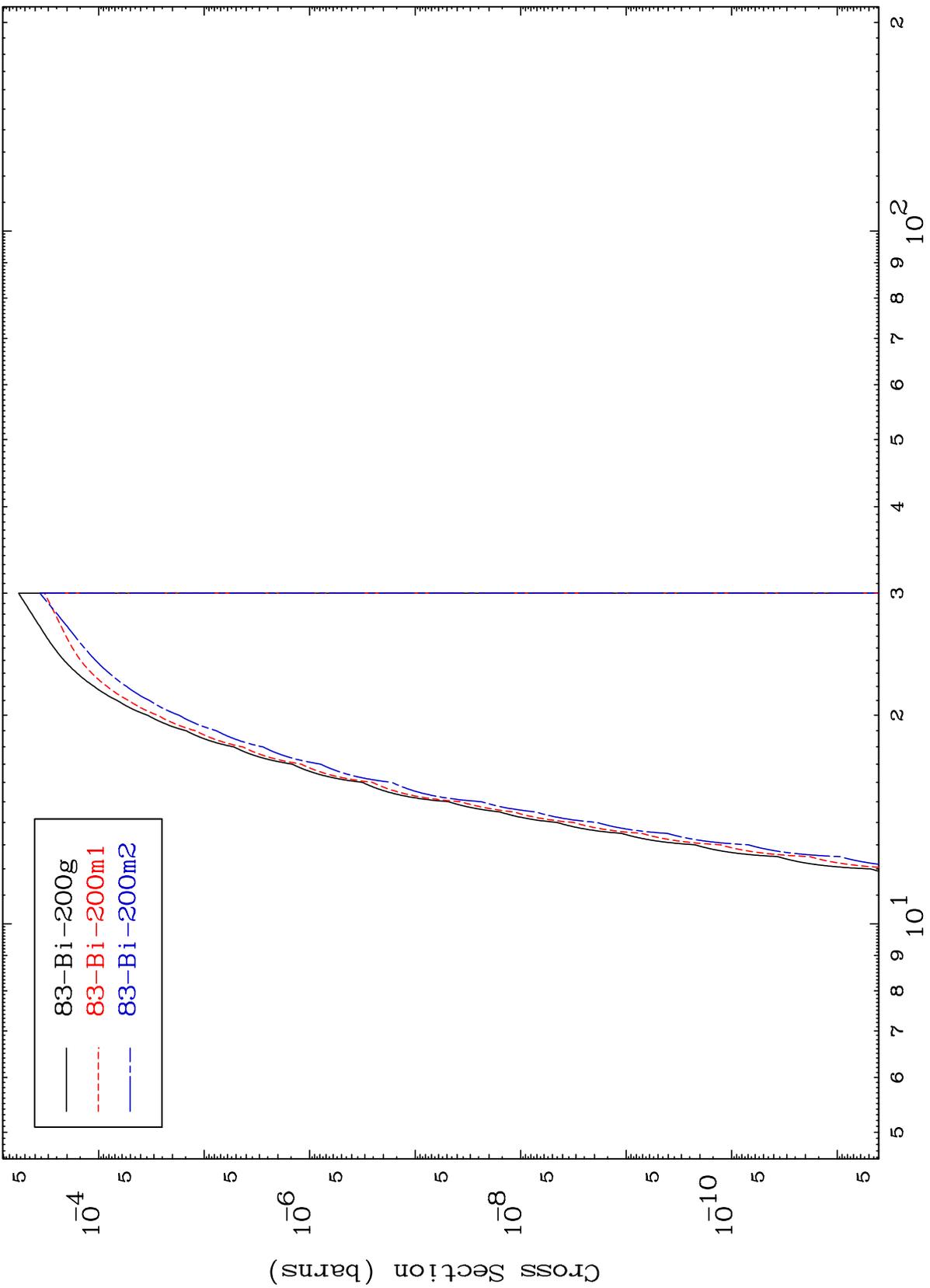


83-Bi-199g
83-Bi-199m1

Radionuclide Production Cross Section



Radionuclide Production Cross Section

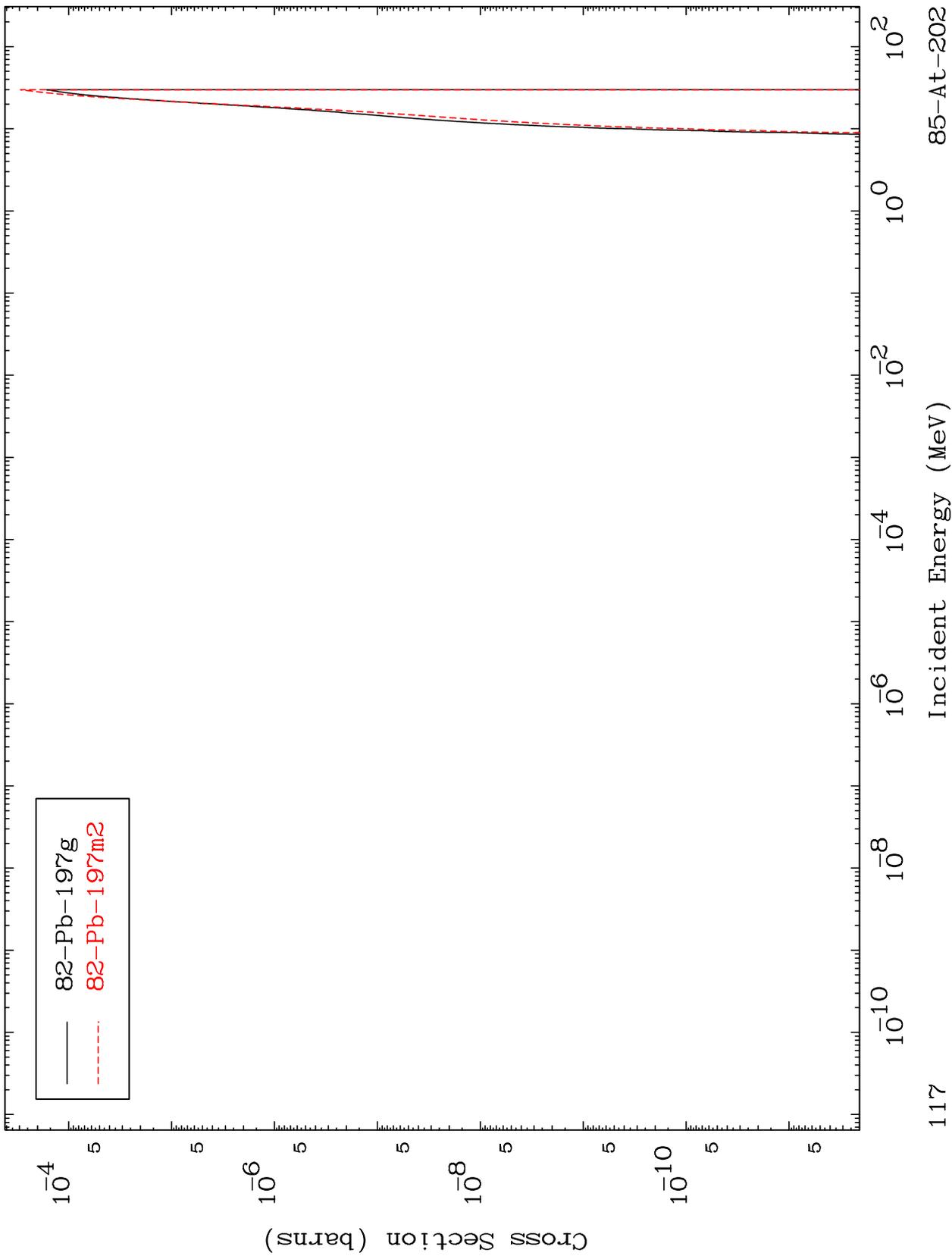


MAT 85222

(n,n') p α

85-At-202

Radionuclide Production Cross Section



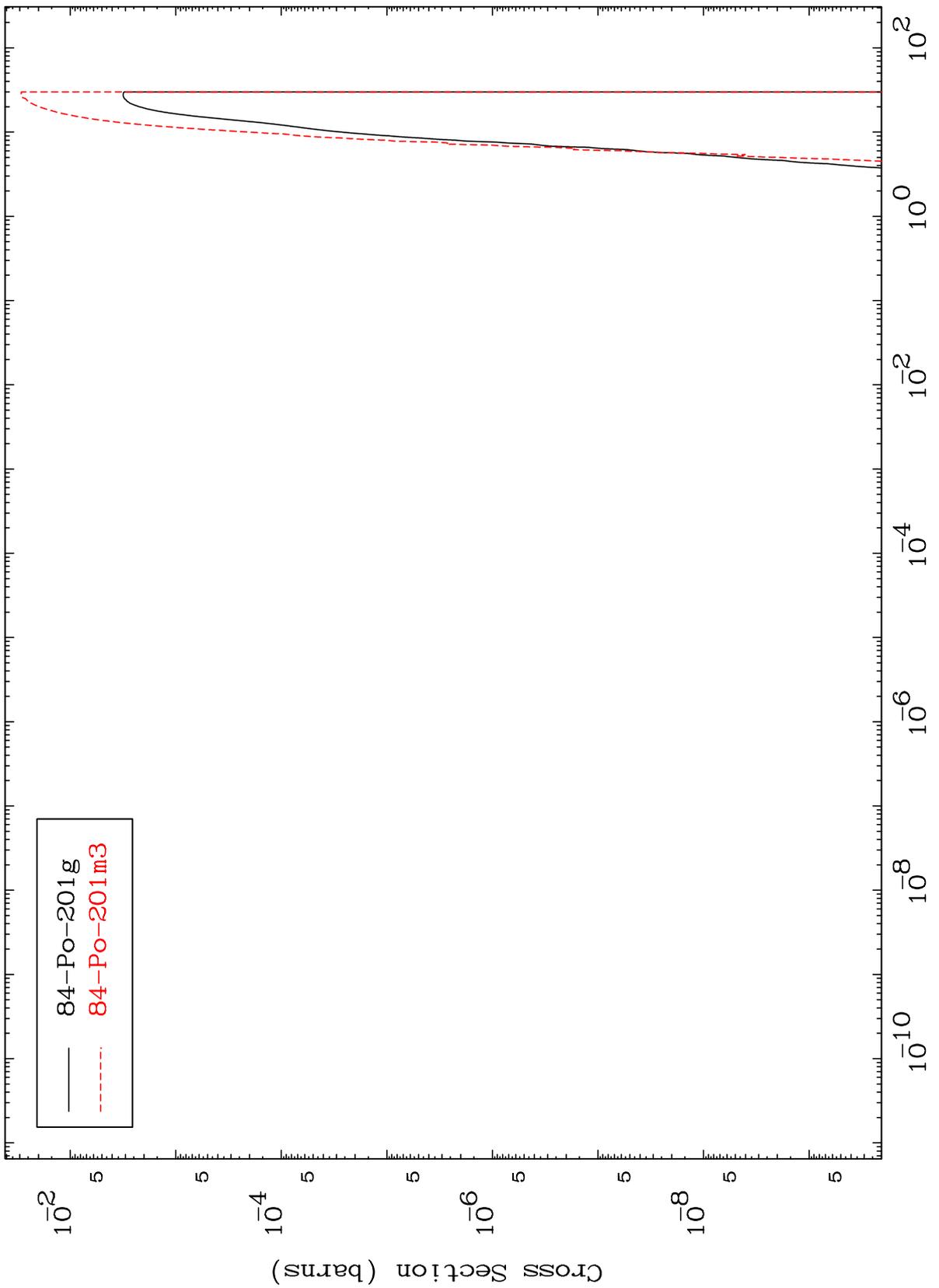
82-Pb-197g
82-Pb-197m2

MAT 85222

(n,d)

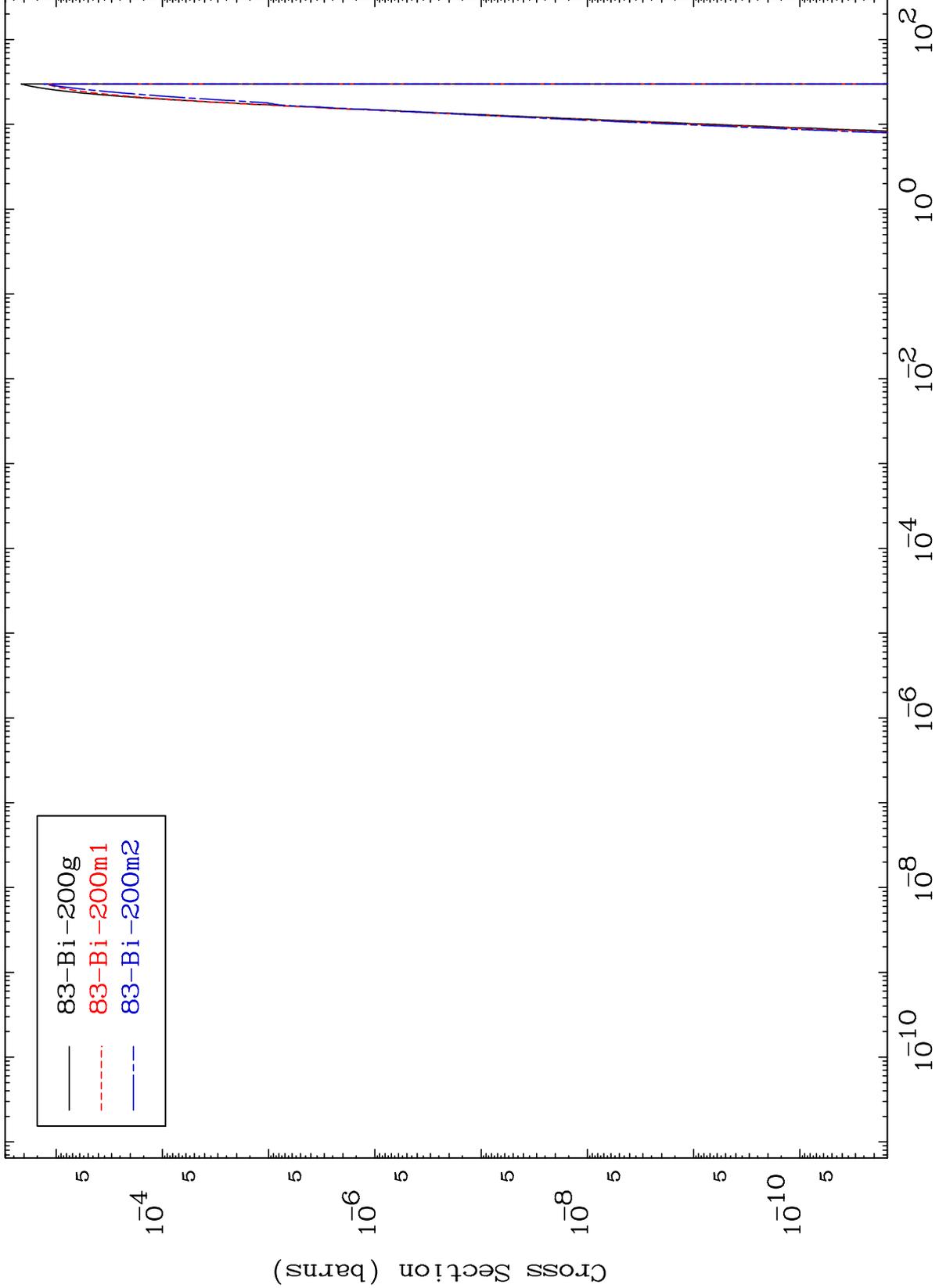
85-At-202

Radionuclide Production Cross Section



84-Po-201g
84-Po-201m3

Radionuclide Production Cross Section

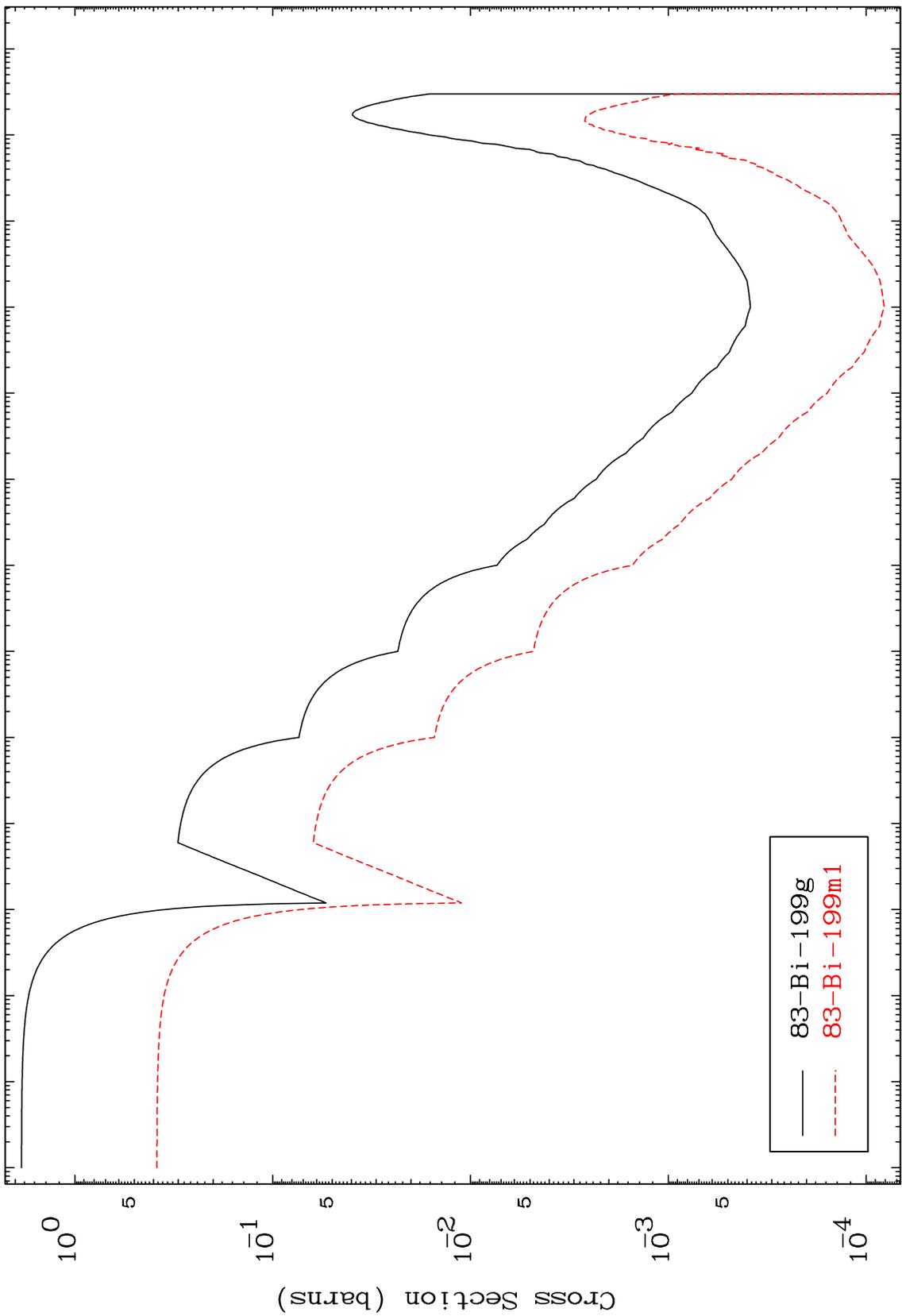


MAT 8522

85-At-202

Radionuclide Production Cross Section

(n, α)



— $^{83}\text{Bi-199g}$
- - - $^{83}\text{Bi-199m1}$

85-At-202

Incident Energy (MeV)

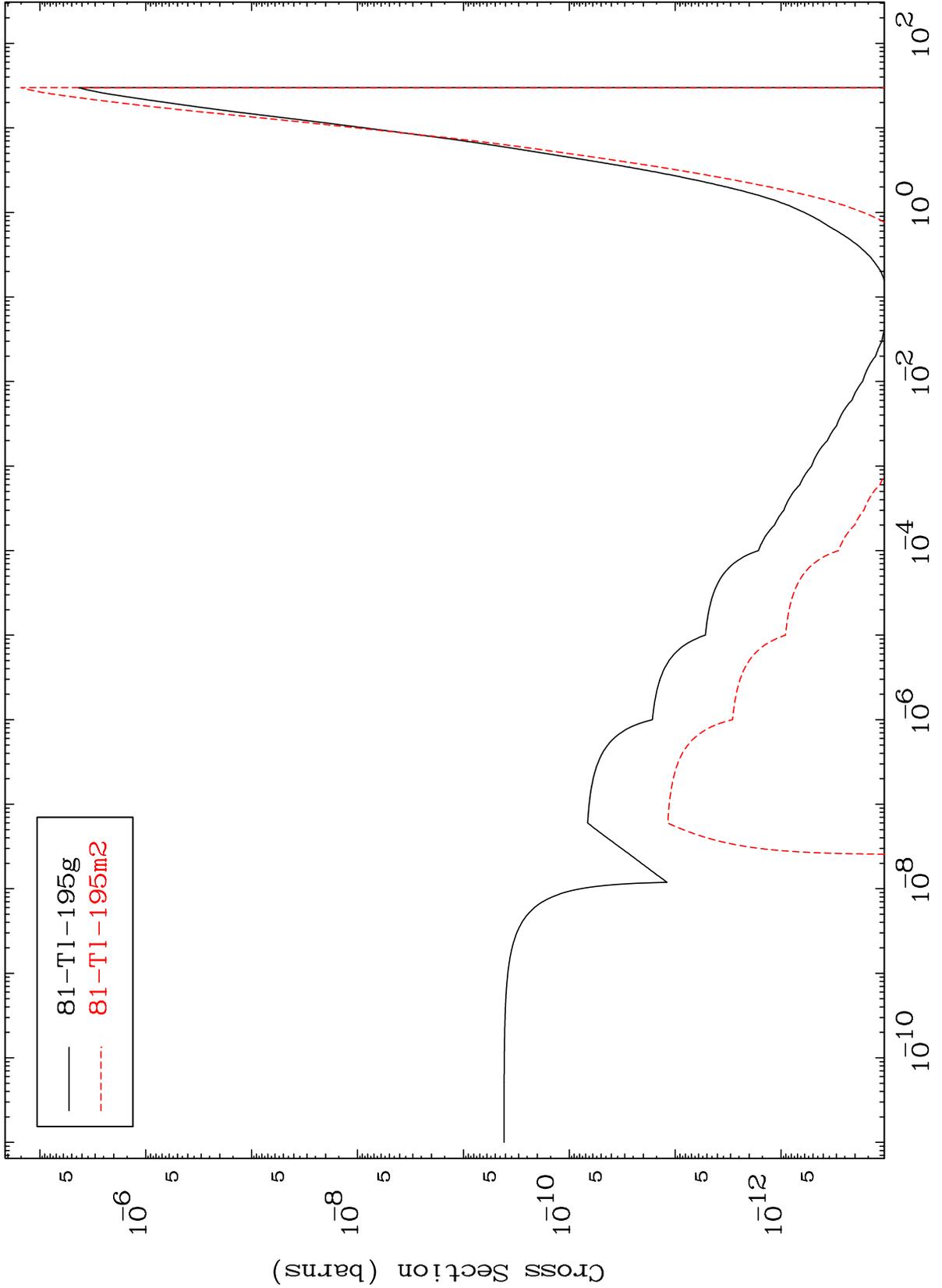
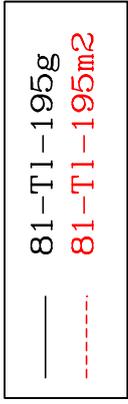
120

MAT 8522

(n,2α)

85-At-202

Radionuclide Production Cross Section

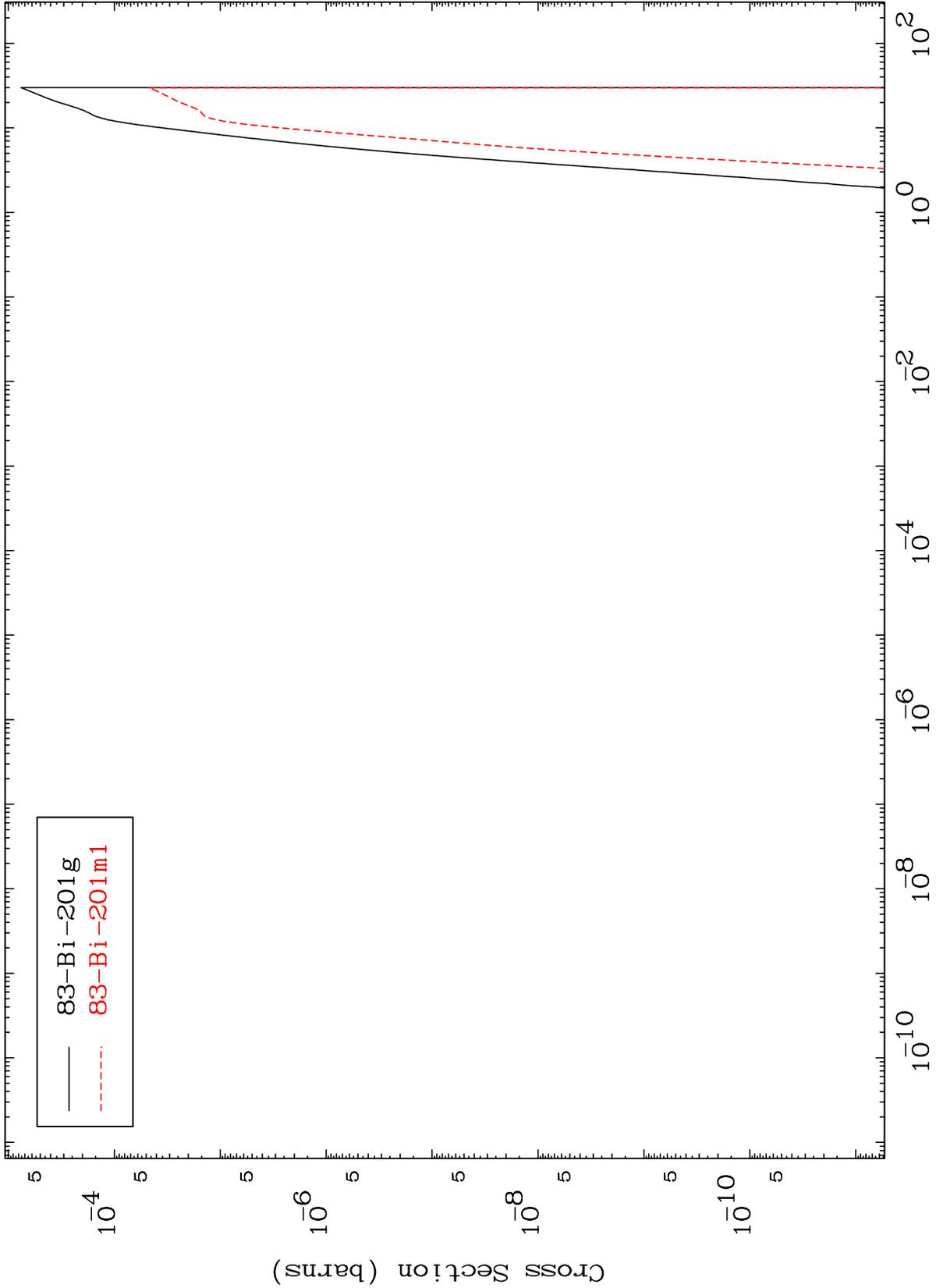


MAT 85222

(n,2p)

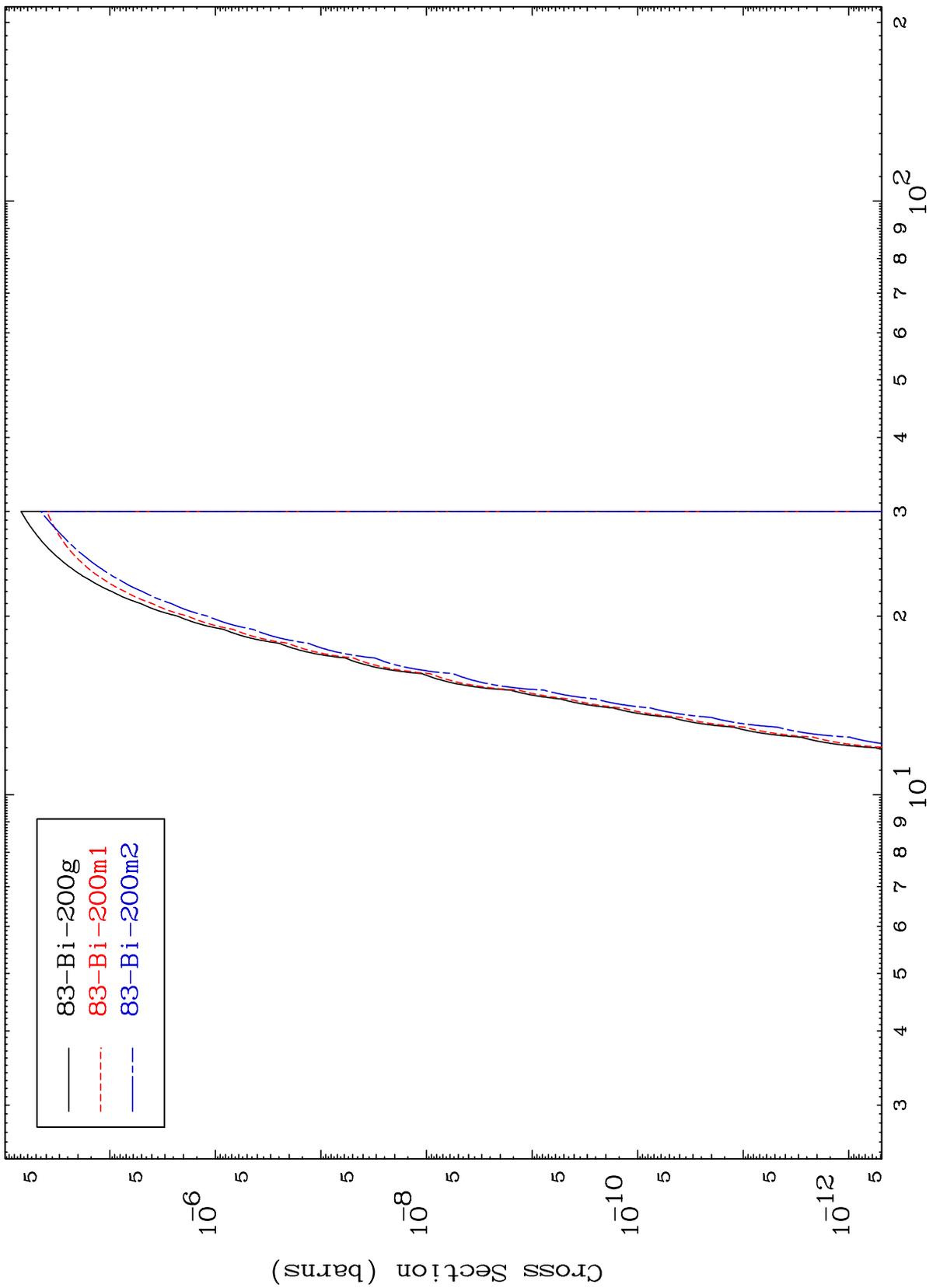
85-At-202

Radionuclide Production Cross Section

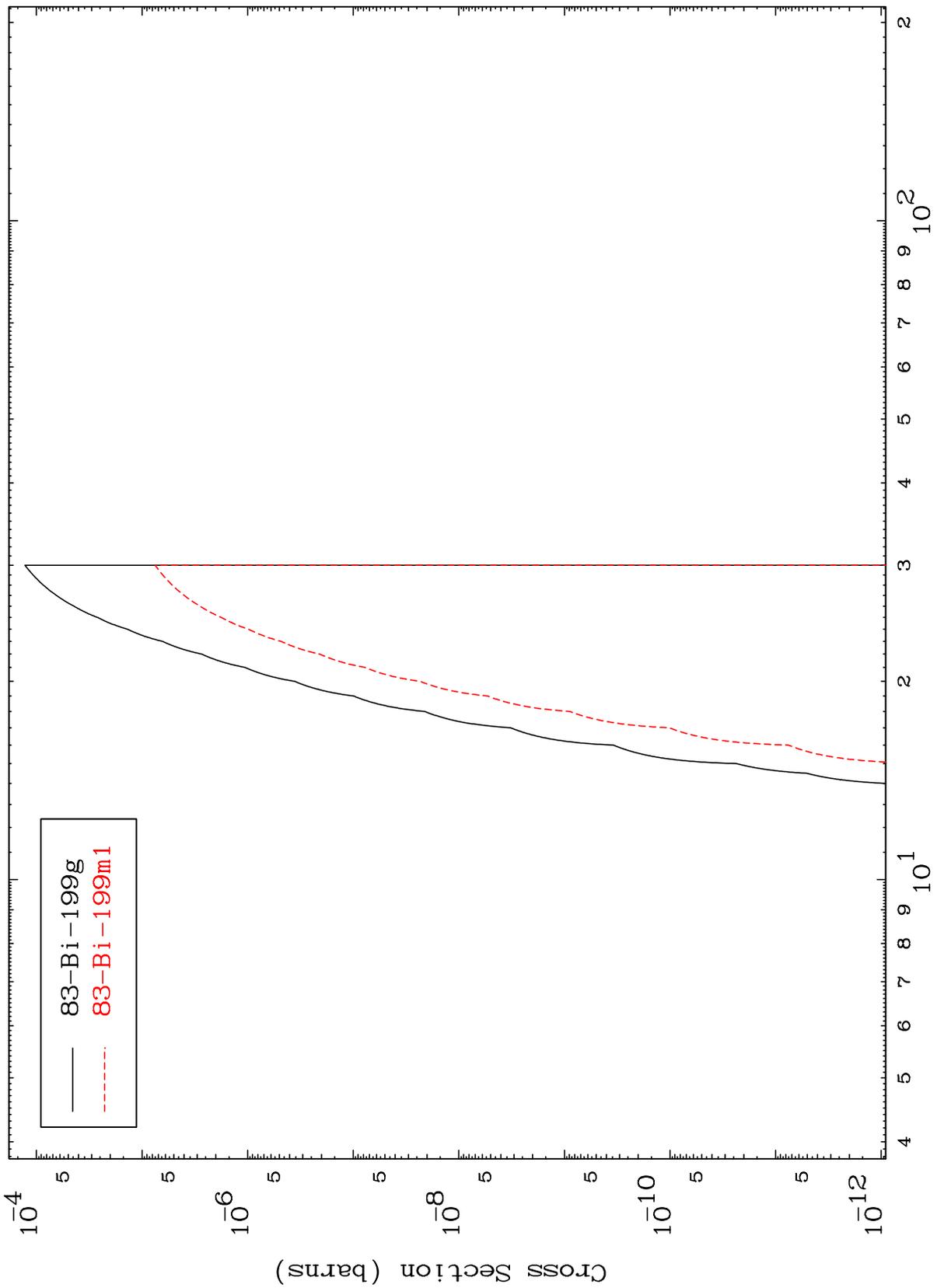


83-Bi-201g
83-Bi-201m1

Radionuclide Production Cross Section



Radionuclide Production Cross Section



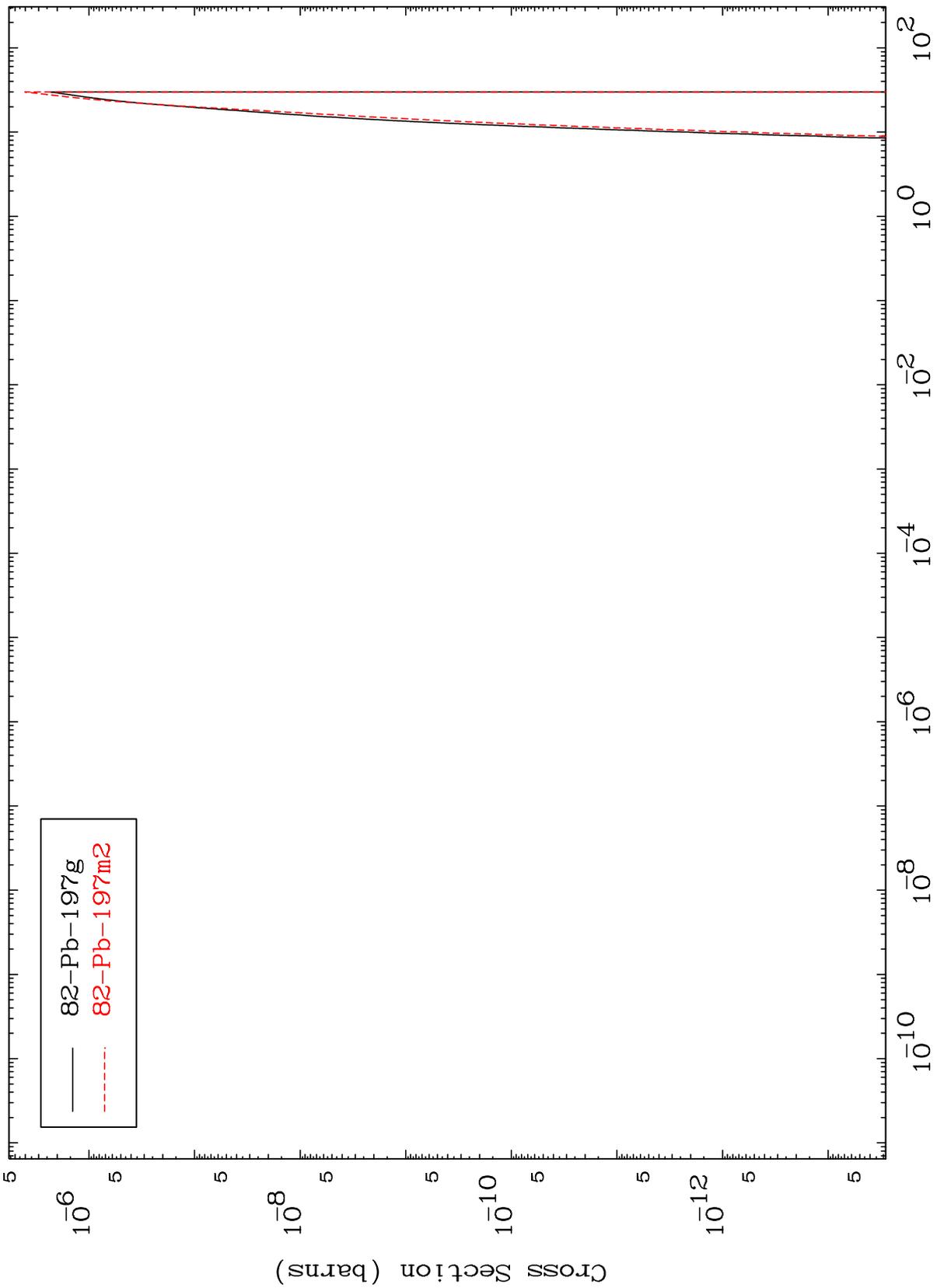
— 83-Bi-199g
- - - 83-Bi-199m1

MAT 8522

(n,d) α

85-At-202

Radionuclide Production Cross Section



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

125

Incident Energy (MeV)

85-At-202