

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

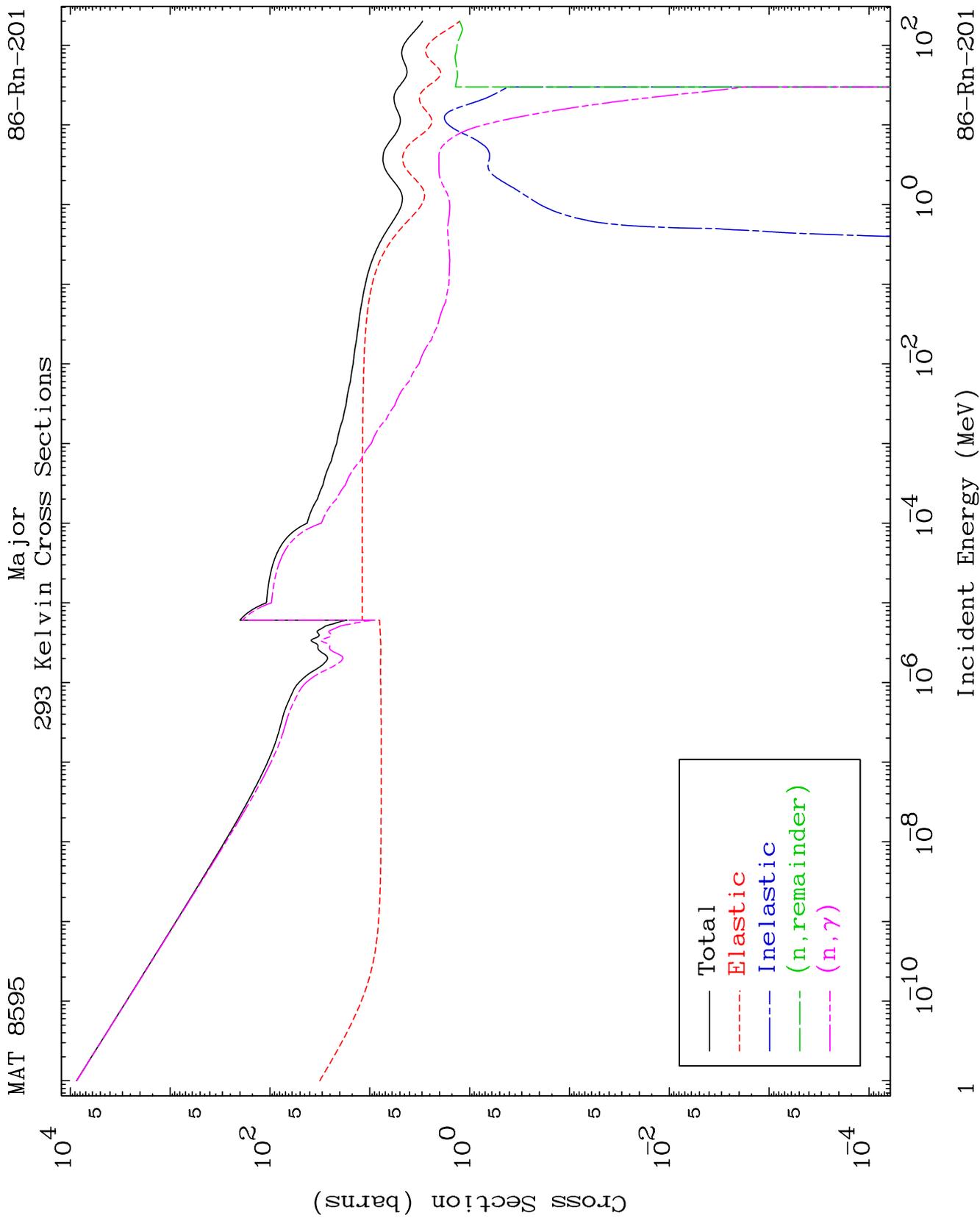
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

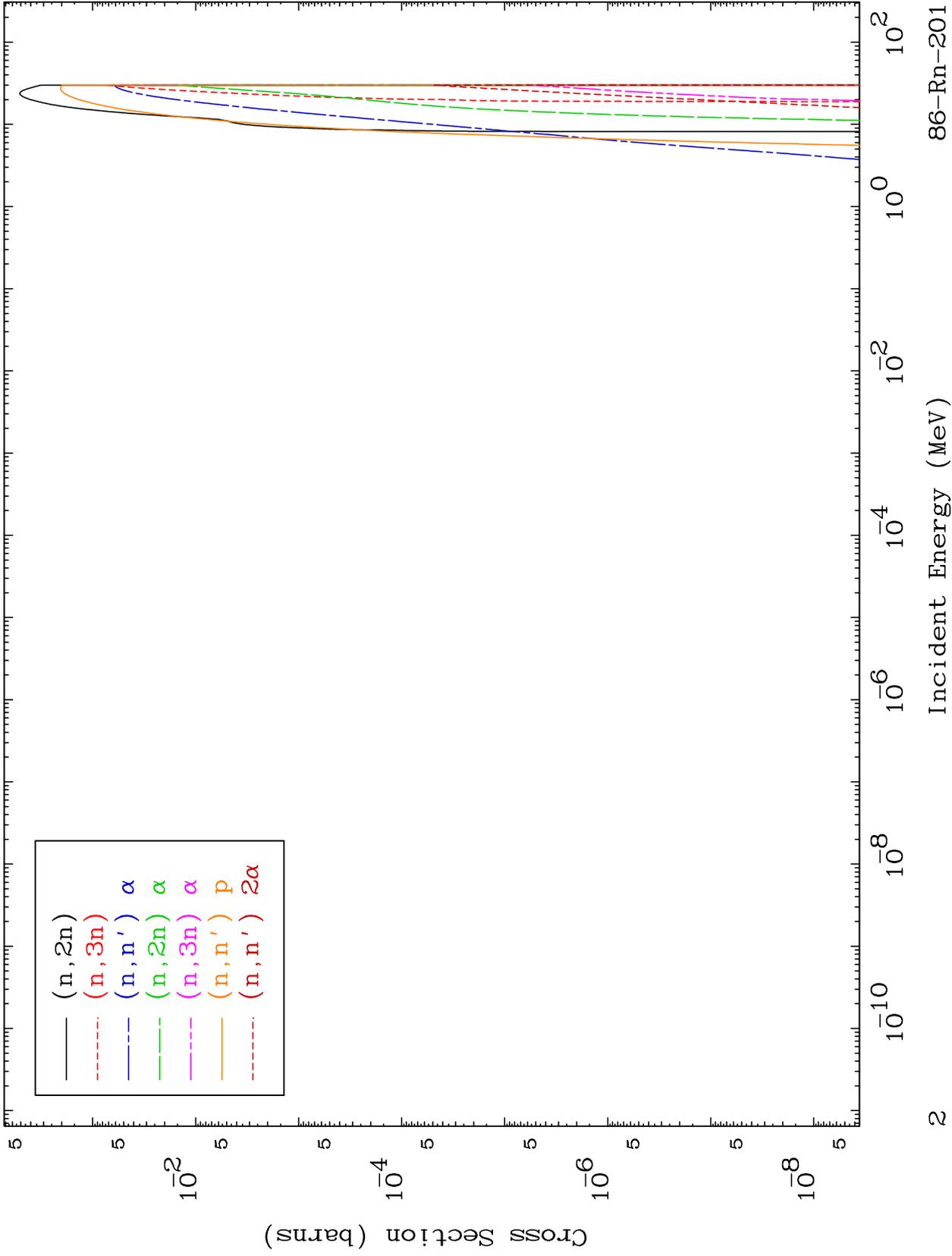
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MAT 8595

Neutron Production
293 Kelvin Cross Sections

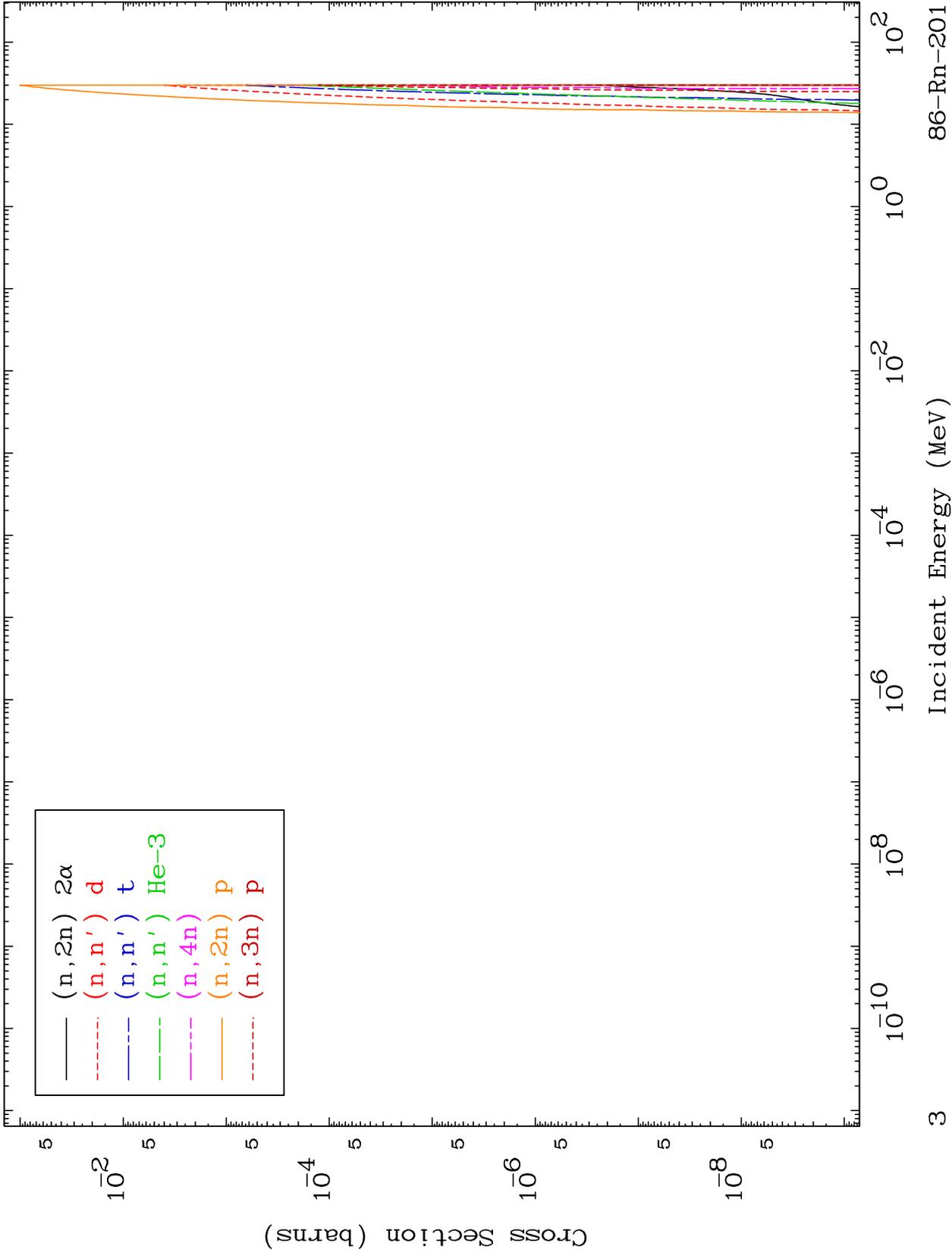
86-Rn-201



MAT 8595

Neutron Production
293 Kelvin Cross Sections

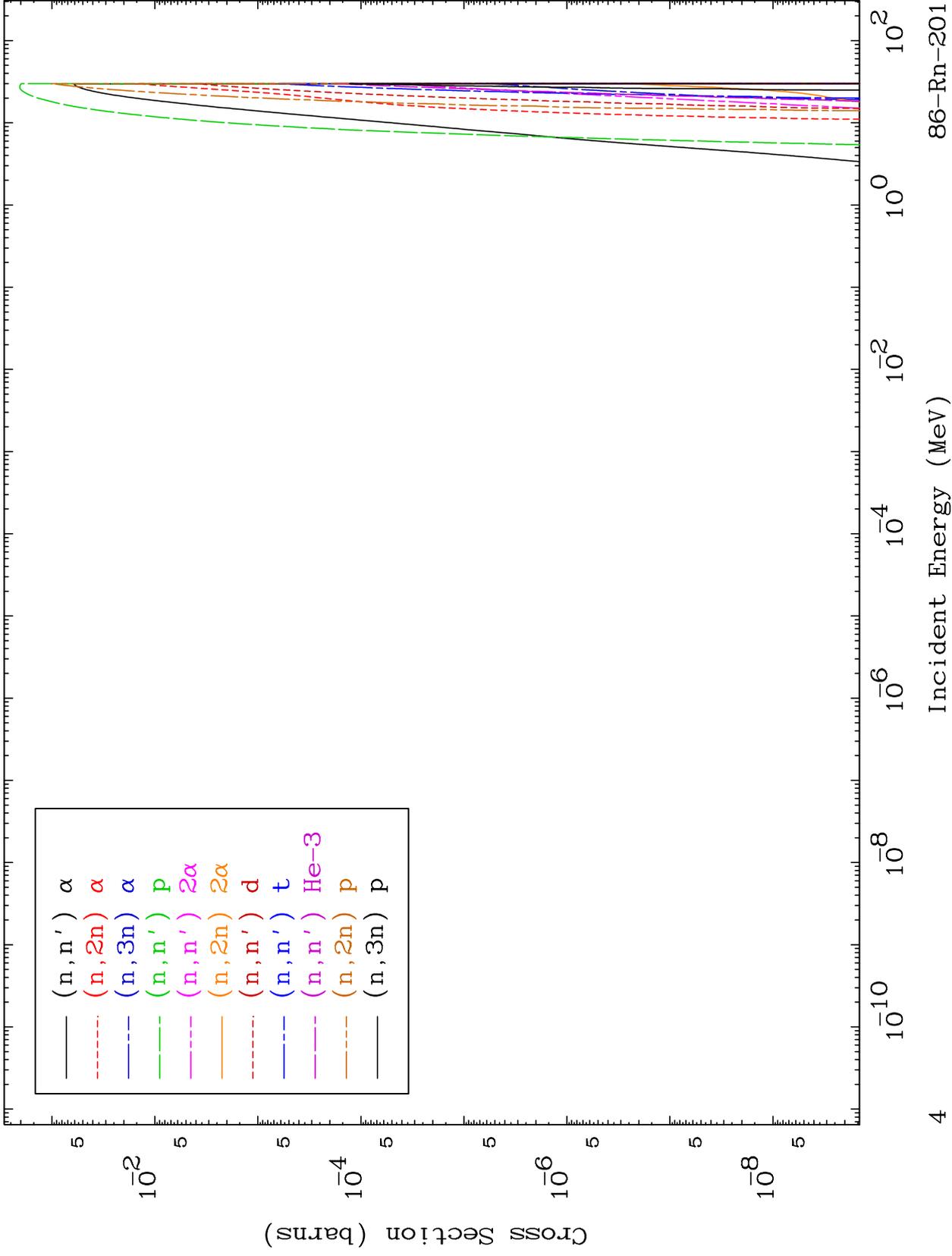
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MAT 8595

Charged Particle
293 Kelvin Cross Sections

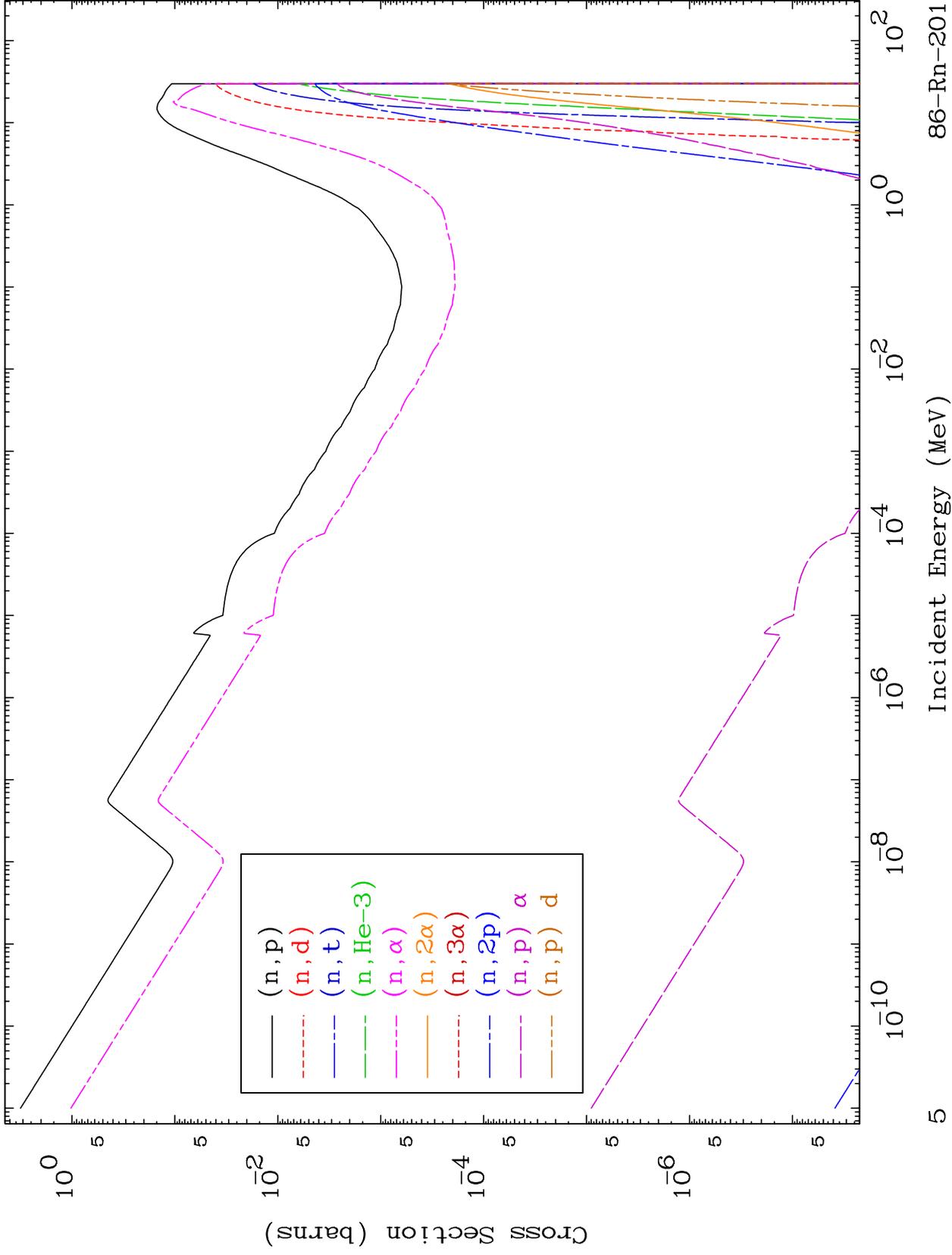
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MAT 8595

Charged Particle
293 Kelvin Cross Sections

86-Rn-201

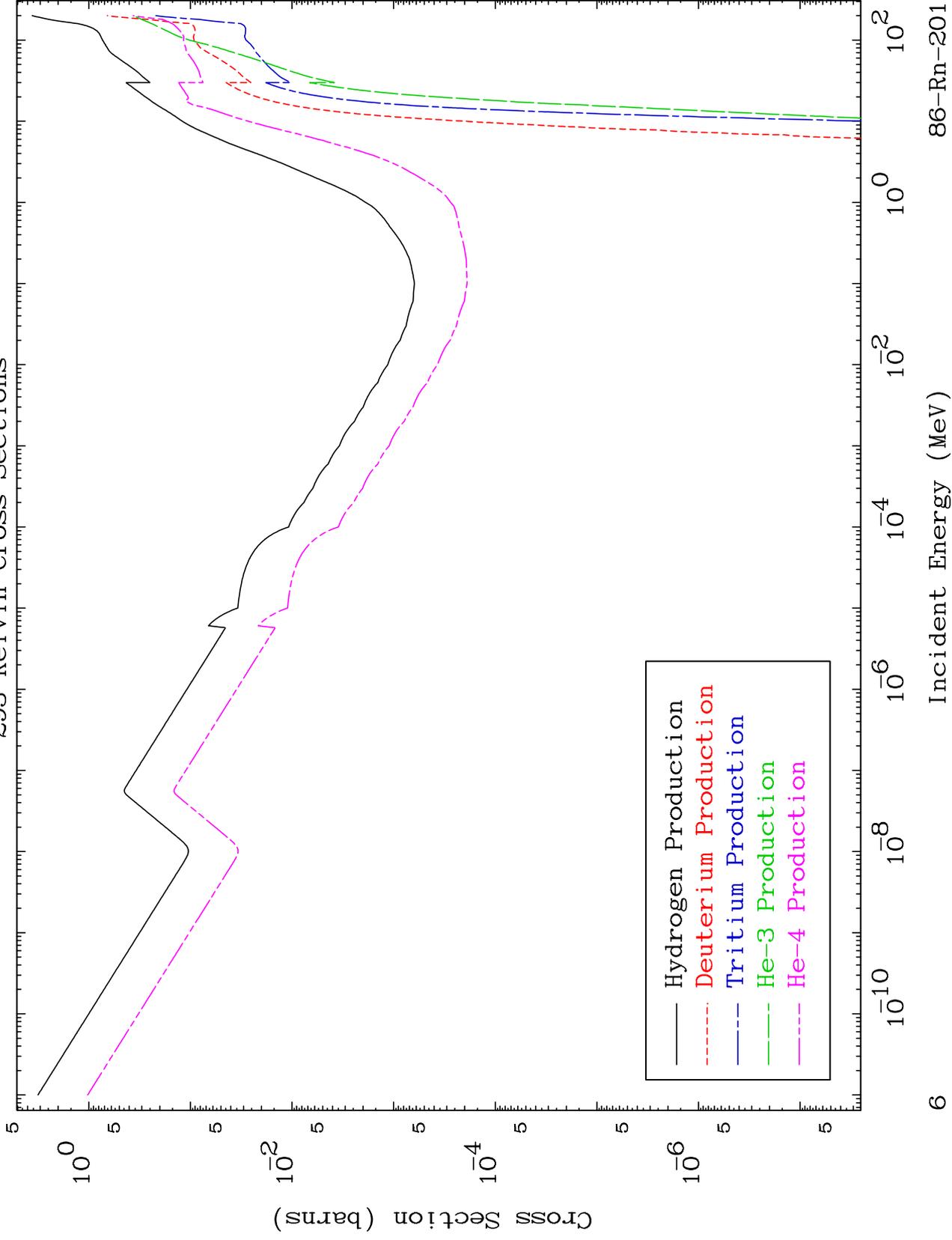


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MAT 8595

Particle Production
293 Kelvin Cross Sections

86-Rn-201

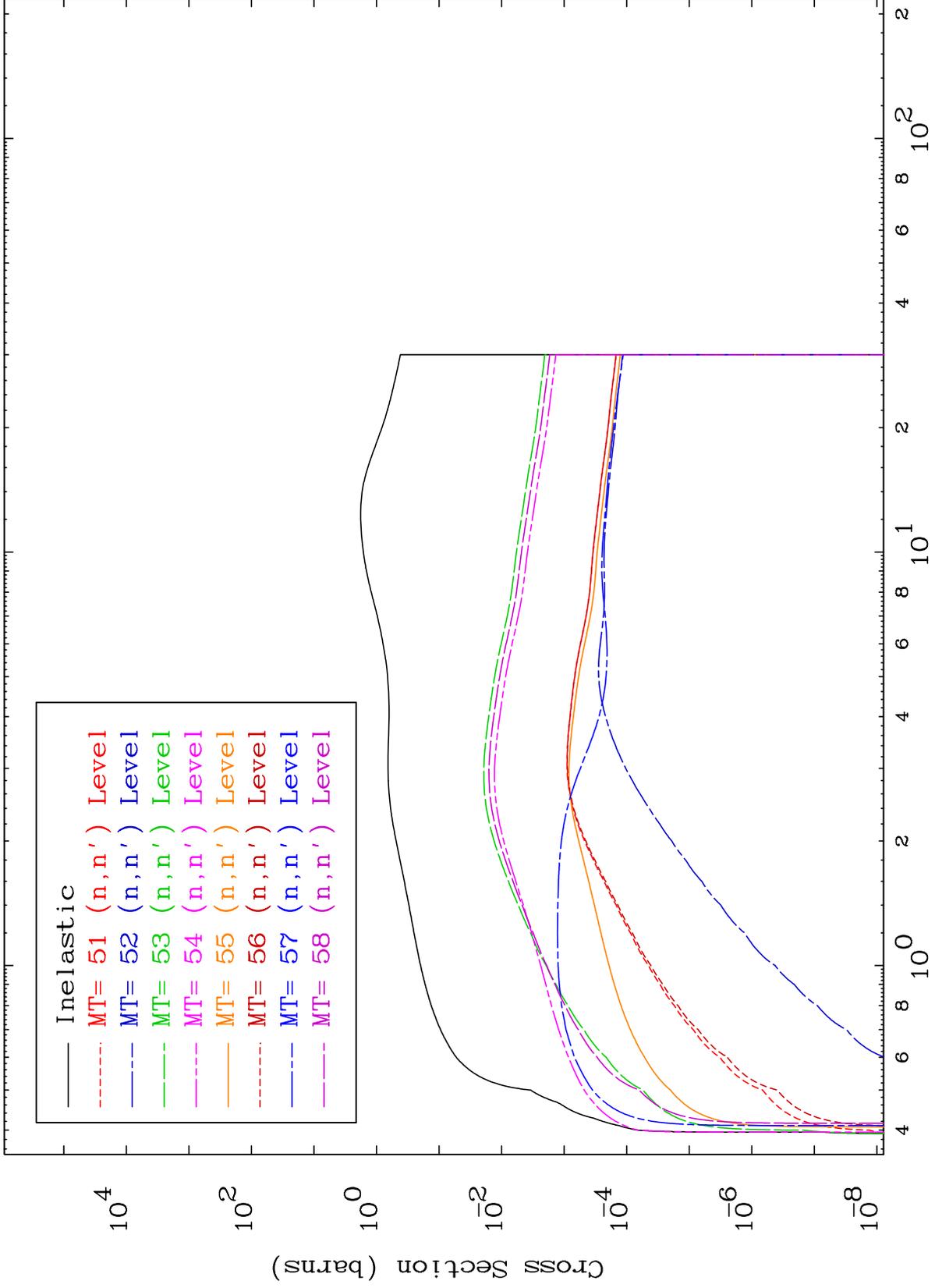


MAT 8595

(n,n') Level

86-Rn-201

293 Kelvin Cross Sections



7

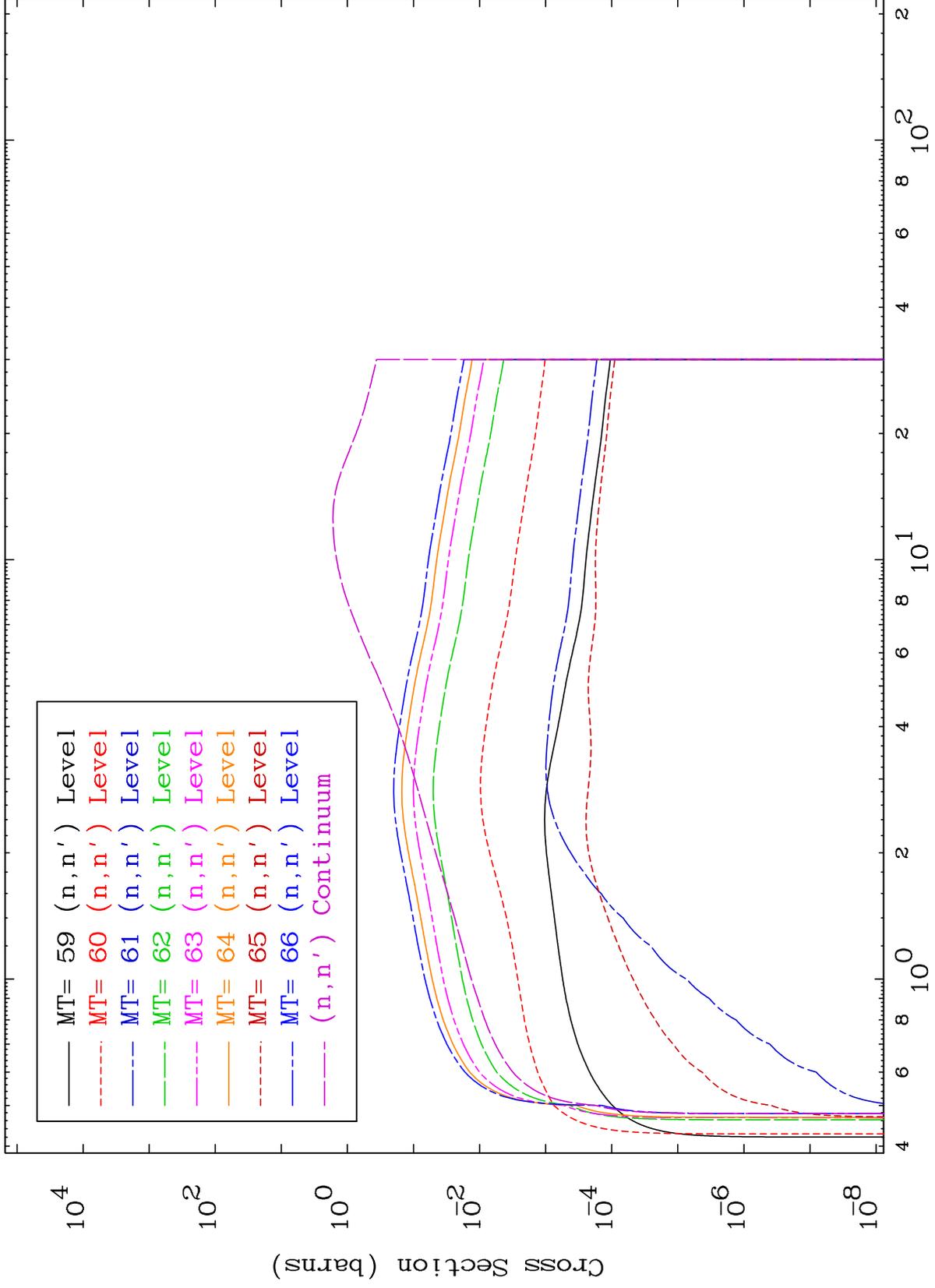
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MAT 8595

293 Kelvin Cross Sections
(n,n') Level

86-Rn-201



8

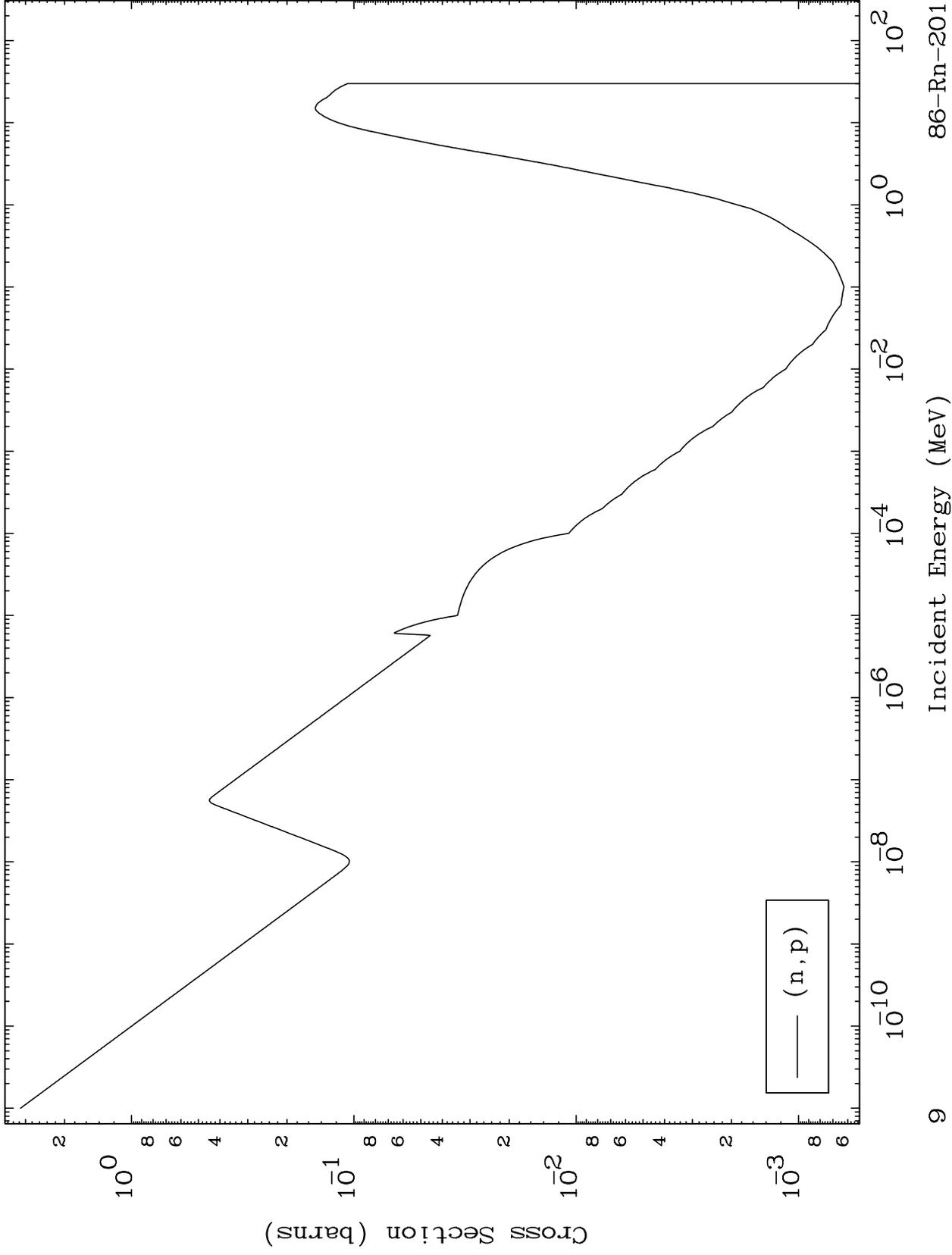
Incident Energy (MeV)

86-Rn-201

MAT 8595

(n,p) Levels
293 Kelvin Cross Sections

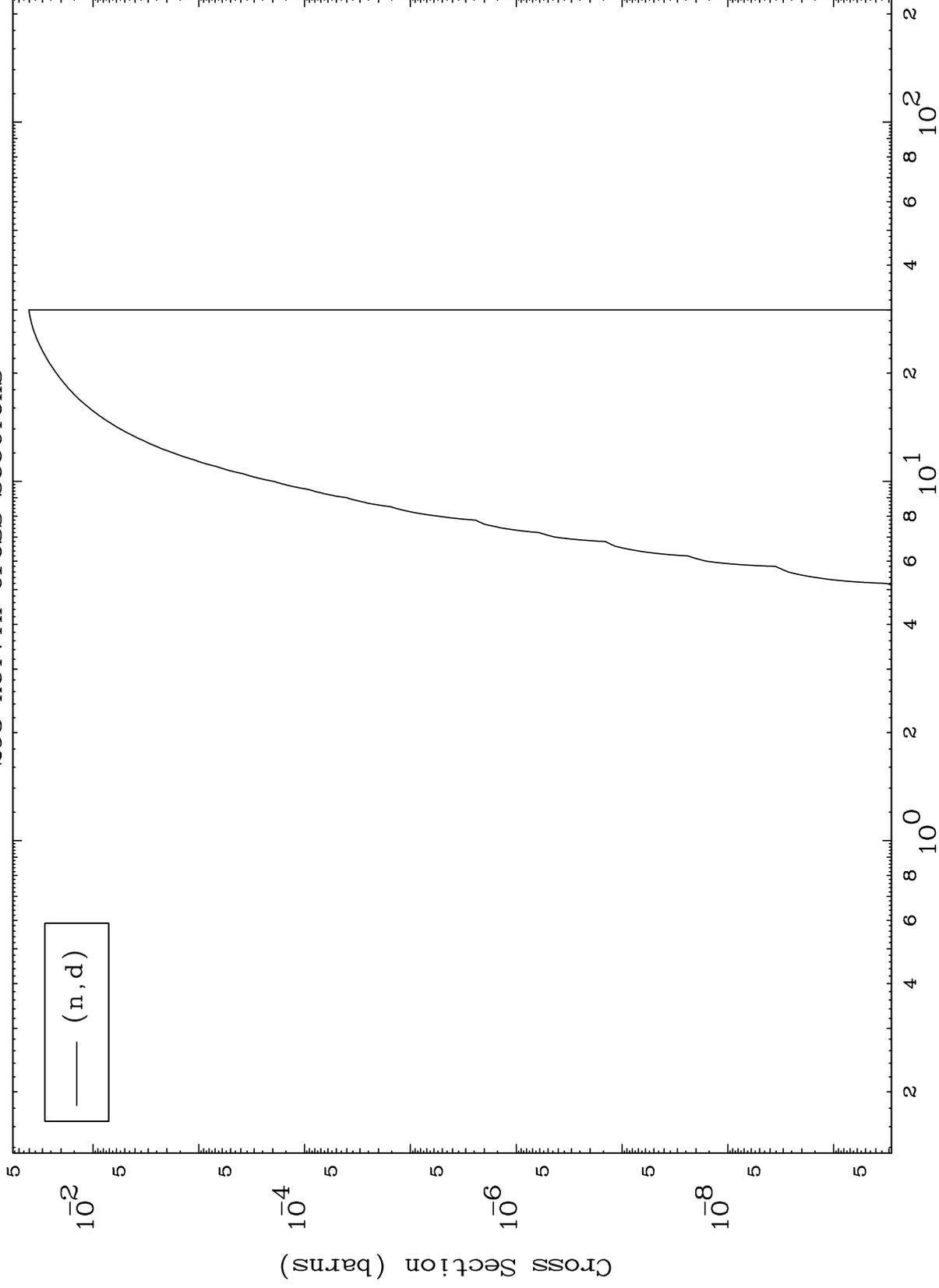
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MAT 8595

(n,d) Levels
293 Kelvin Cross Sections

86-Rn-201



10

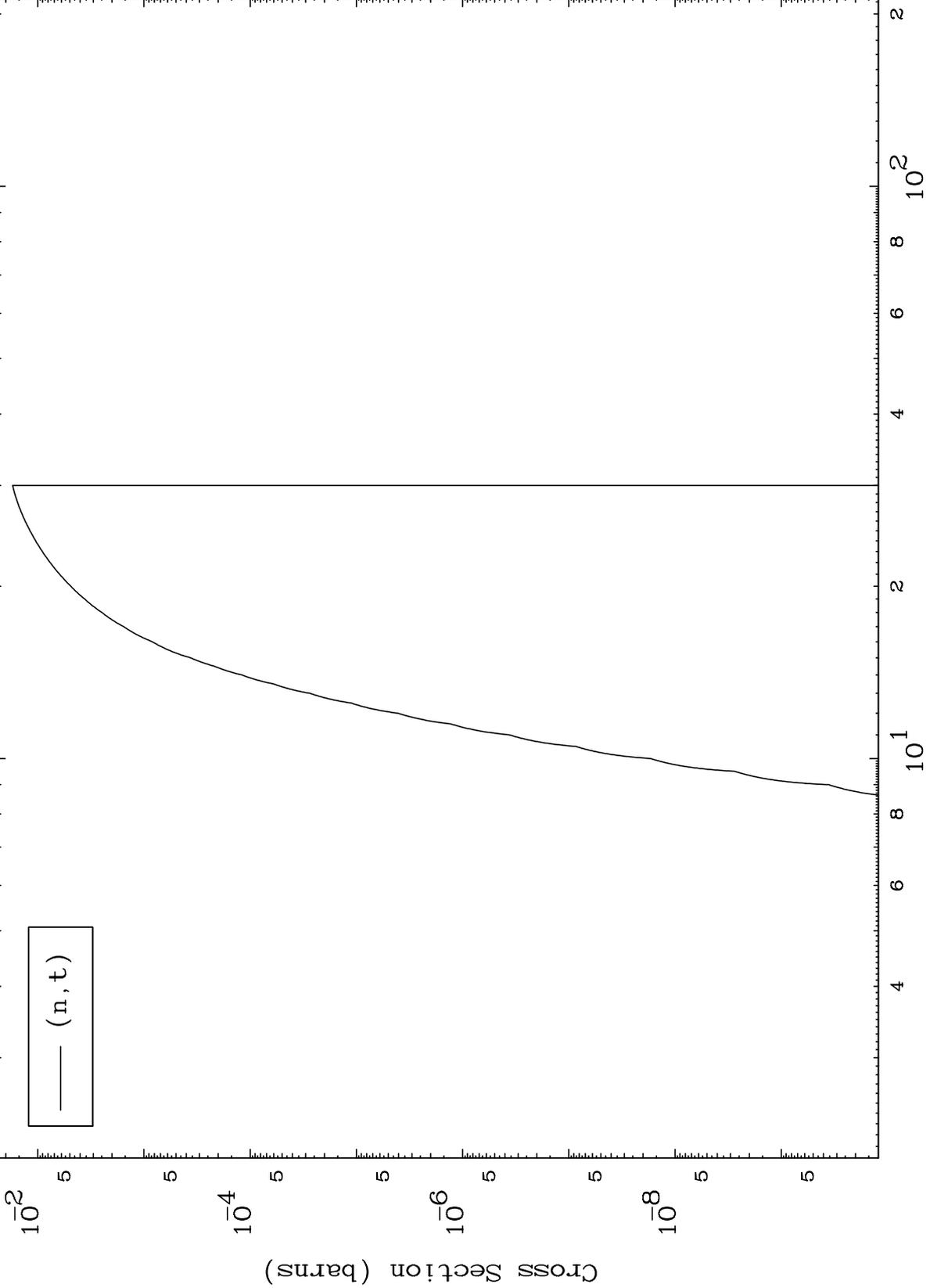
Incident Energy (MeV)

86-Rn-201

MAT 8595

(n,t) Levels
293 Kelvin Cross Sections

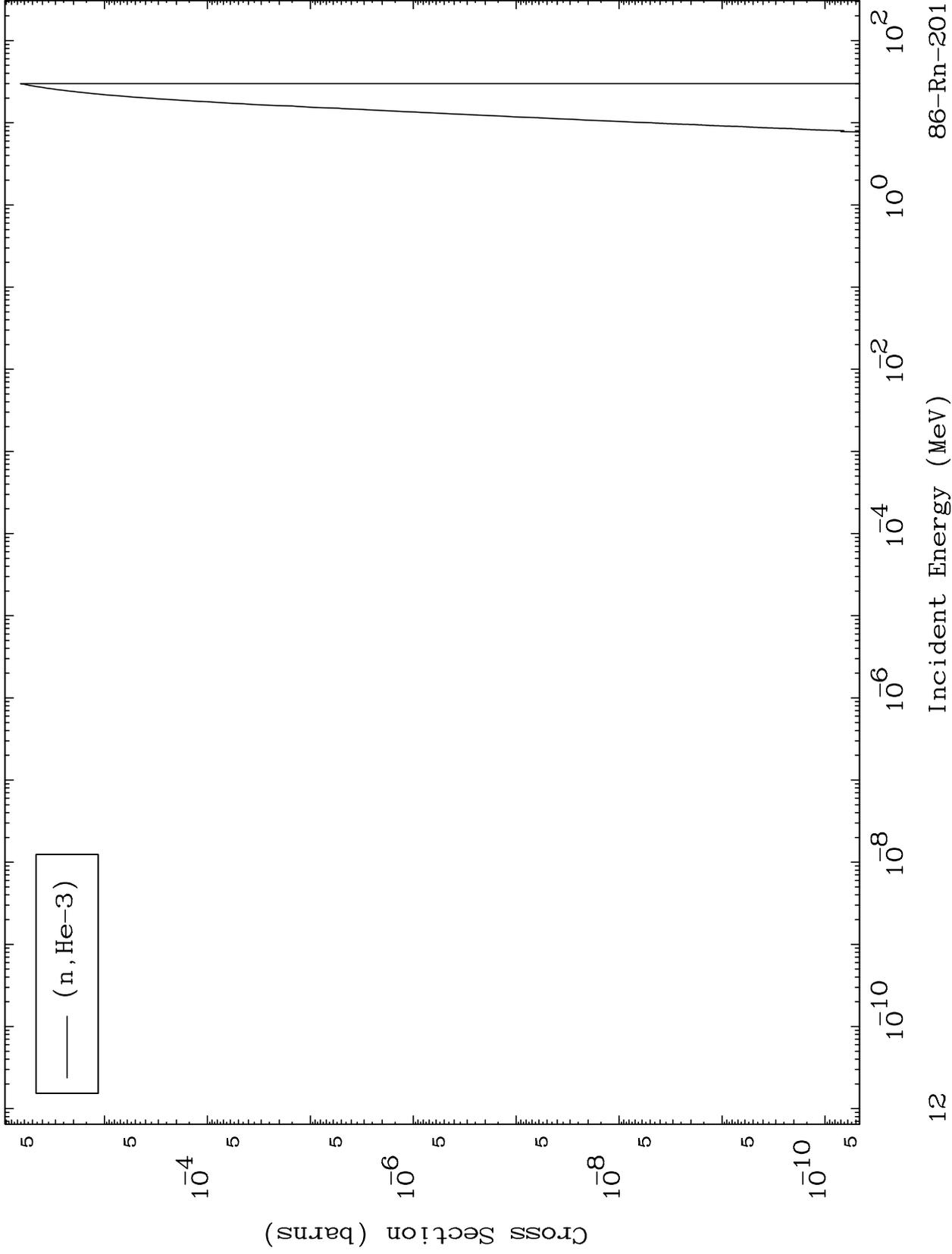
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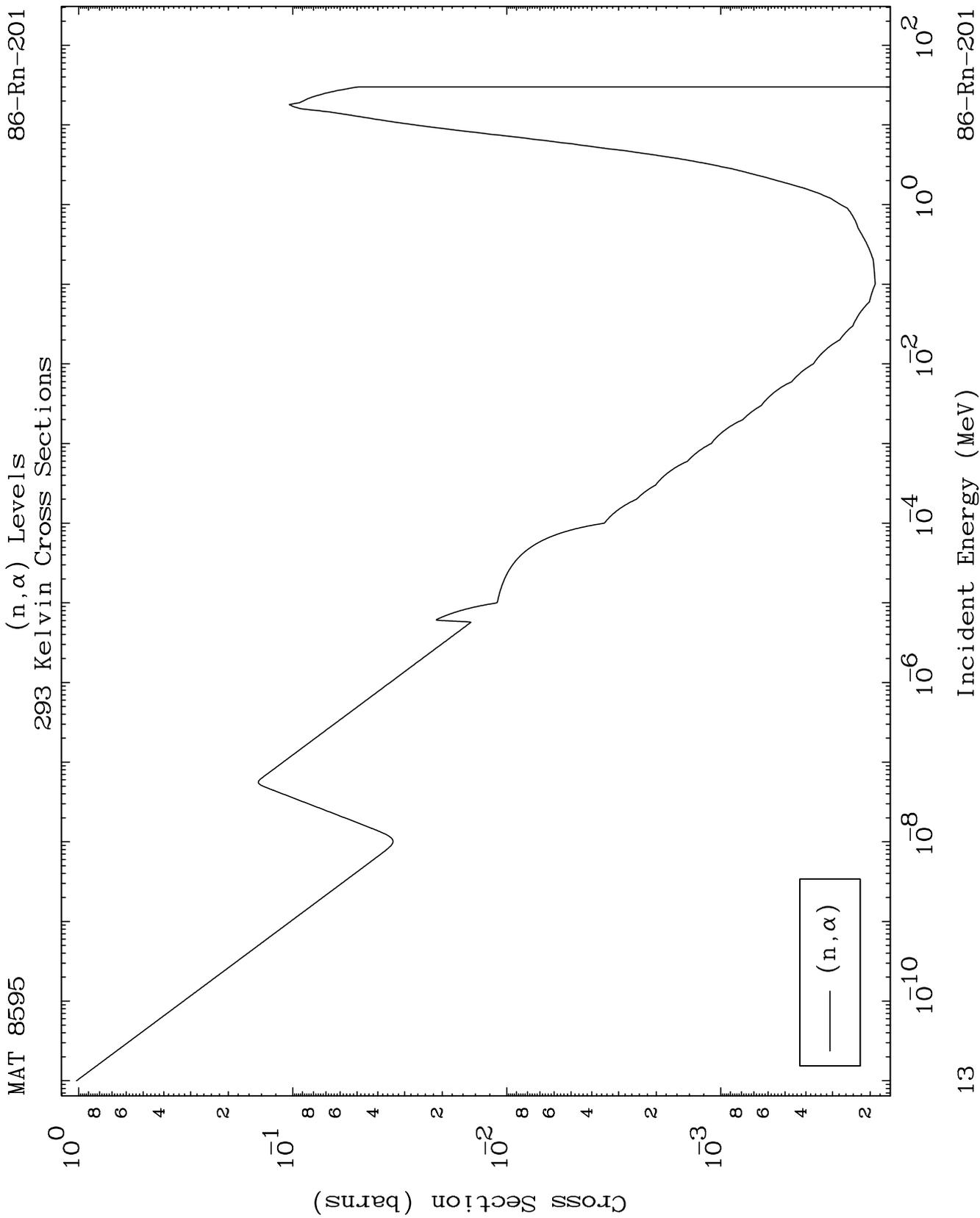


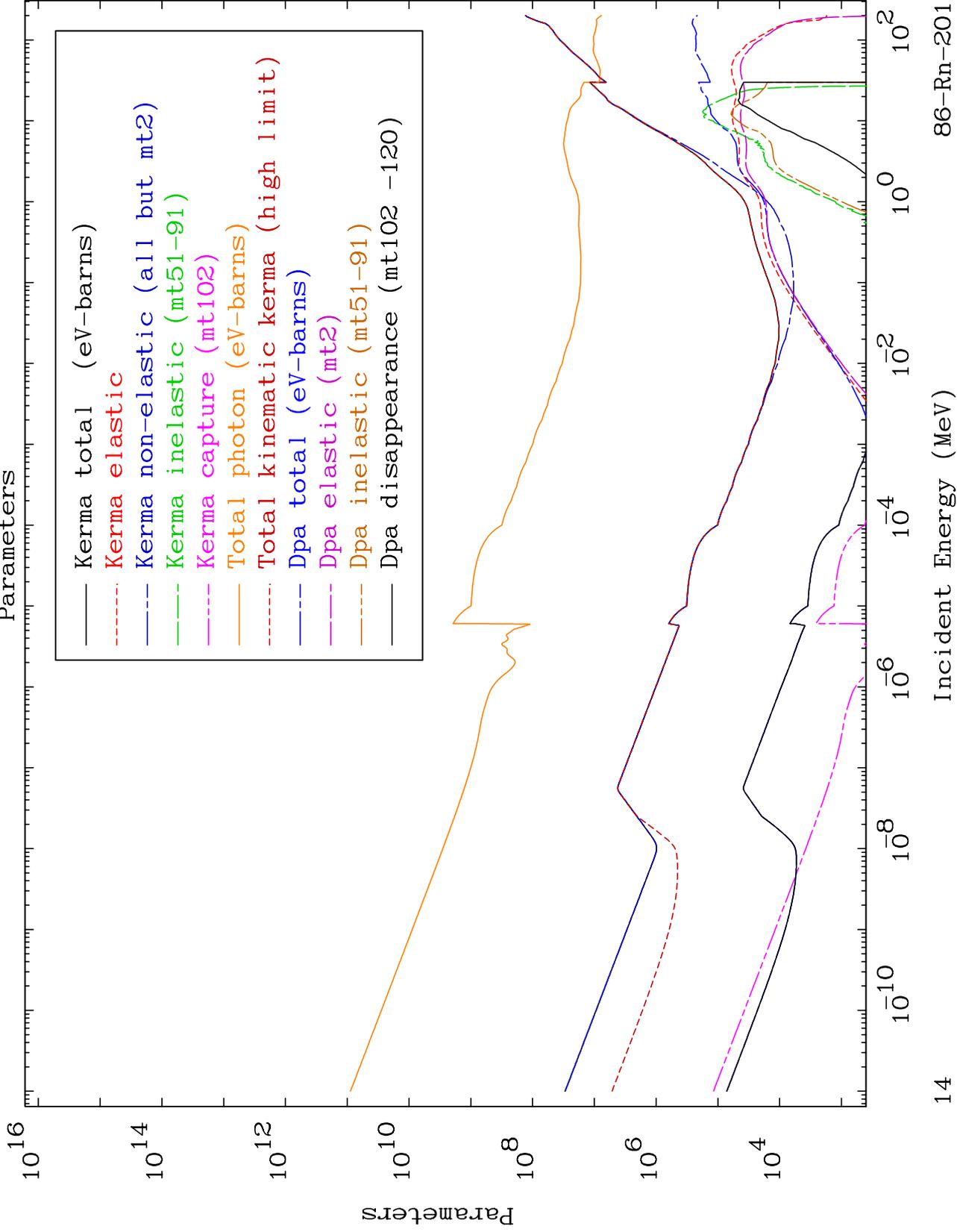
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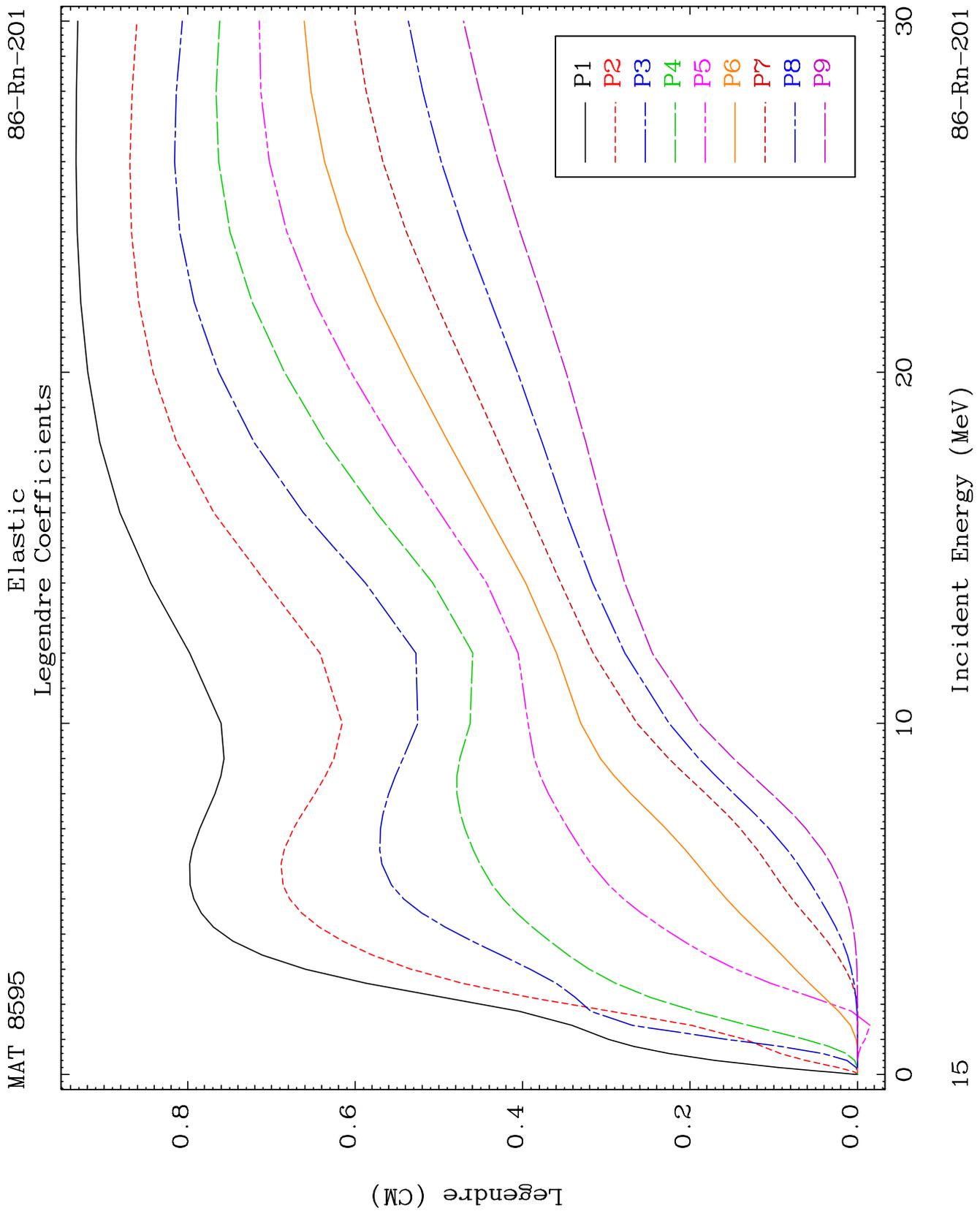
(n,He3) Levels
293 Kelvin Cross Sections

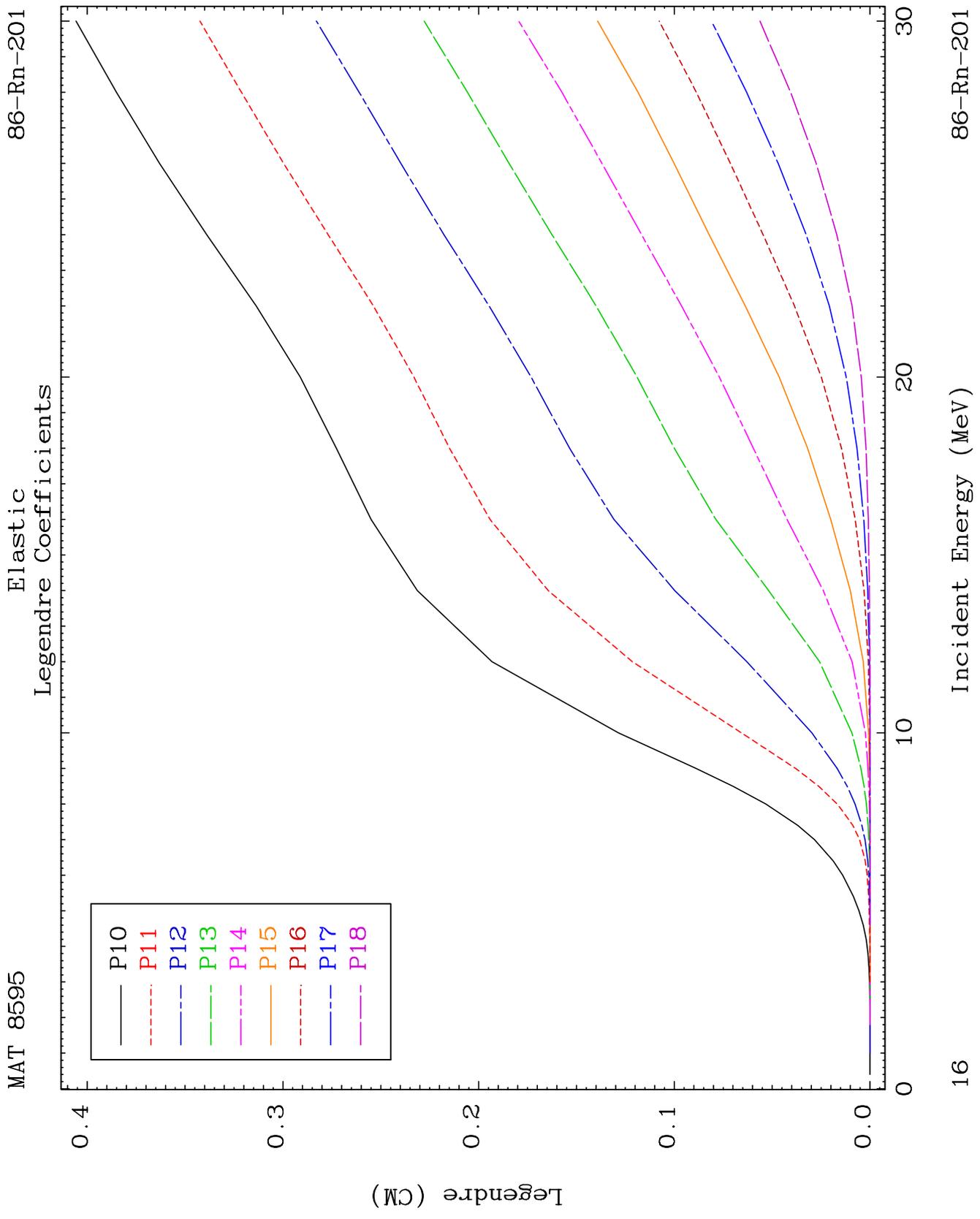
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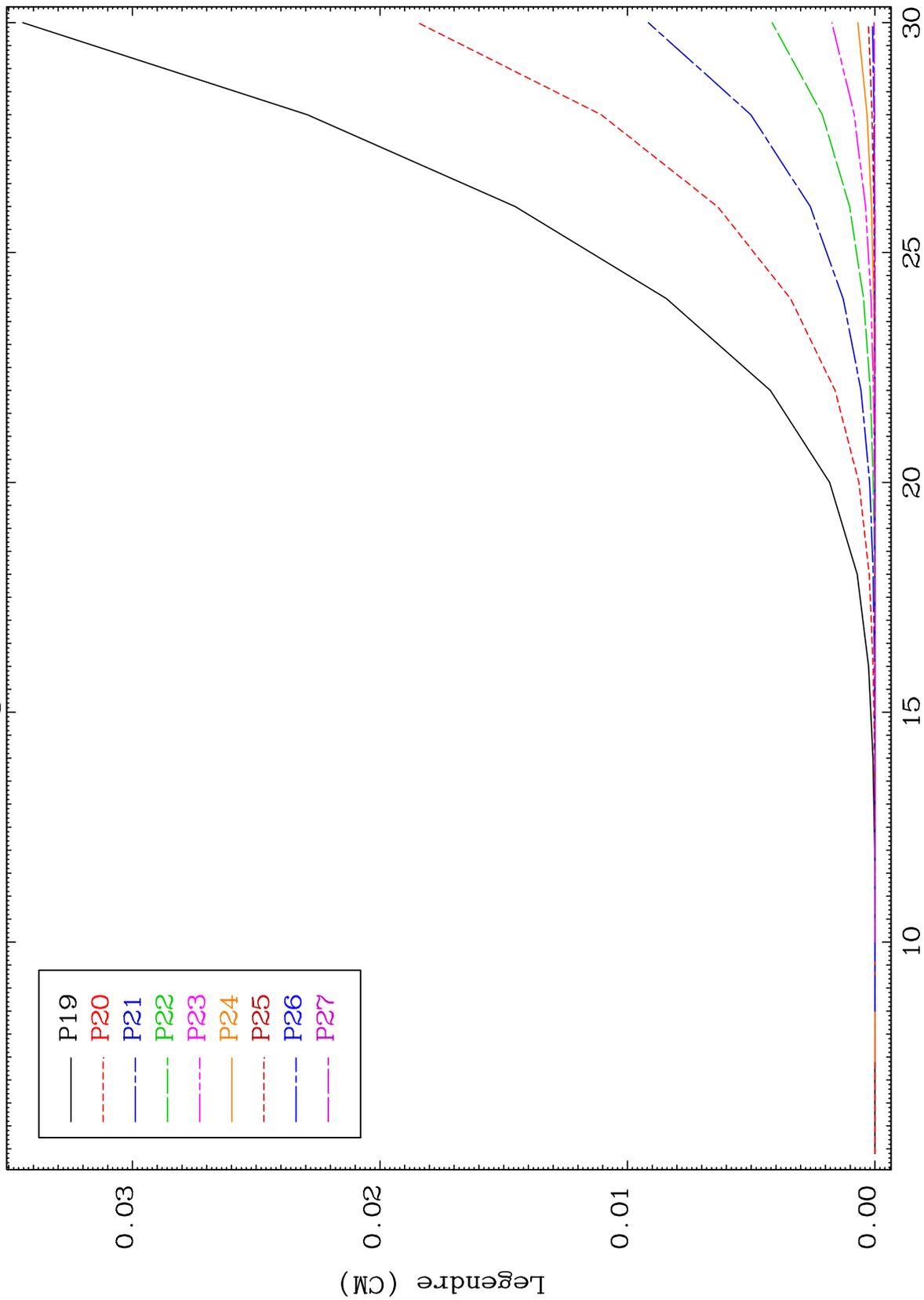




MAT 8595

Elastic Legendre Coefficients

86-Rn-201



17

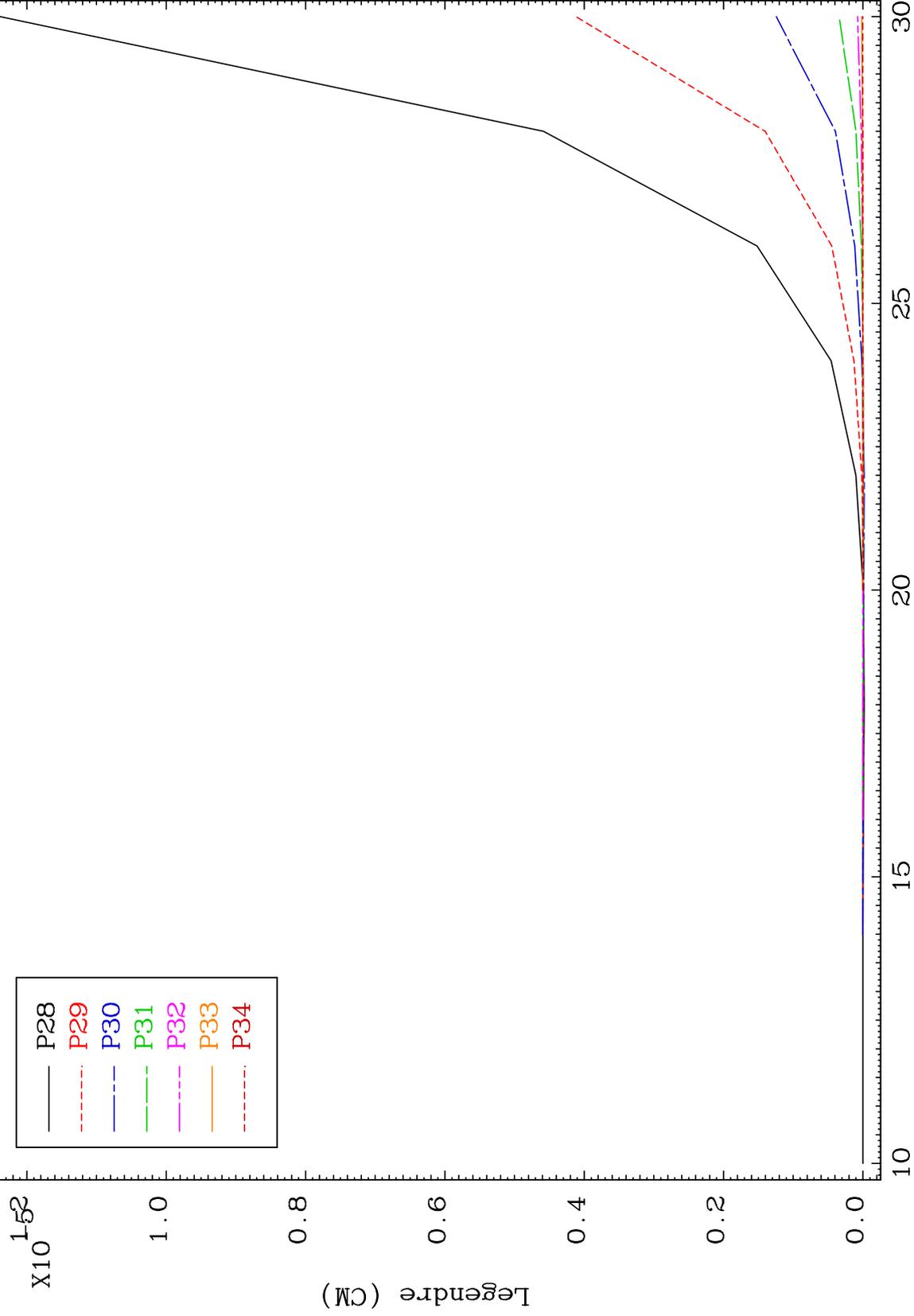
Incident Energy (MeV)

86-Rn-201

MAT 8595

Elastic Legendre Coefficients

86-Rn-201



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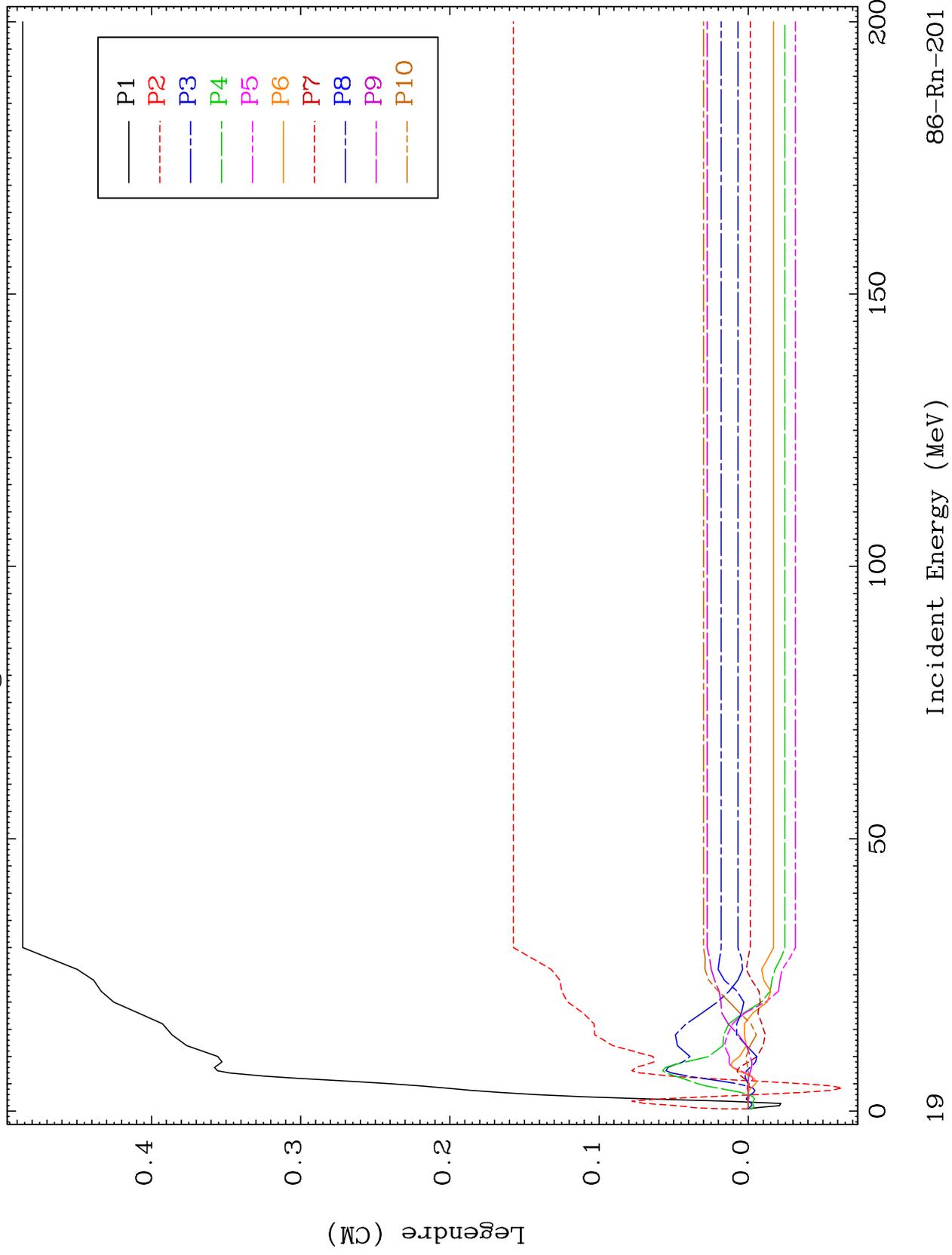
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201

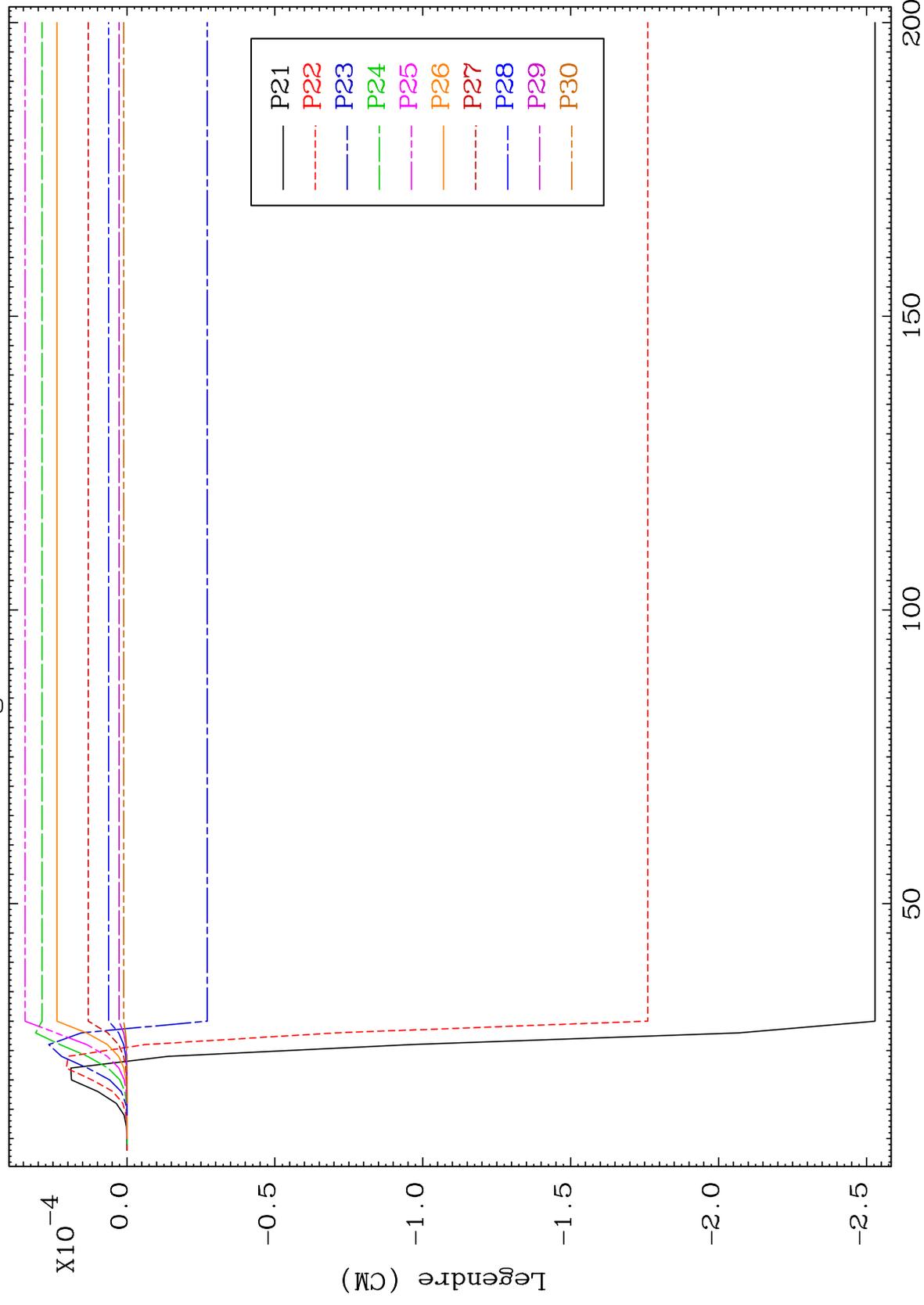


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MAT 8595

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

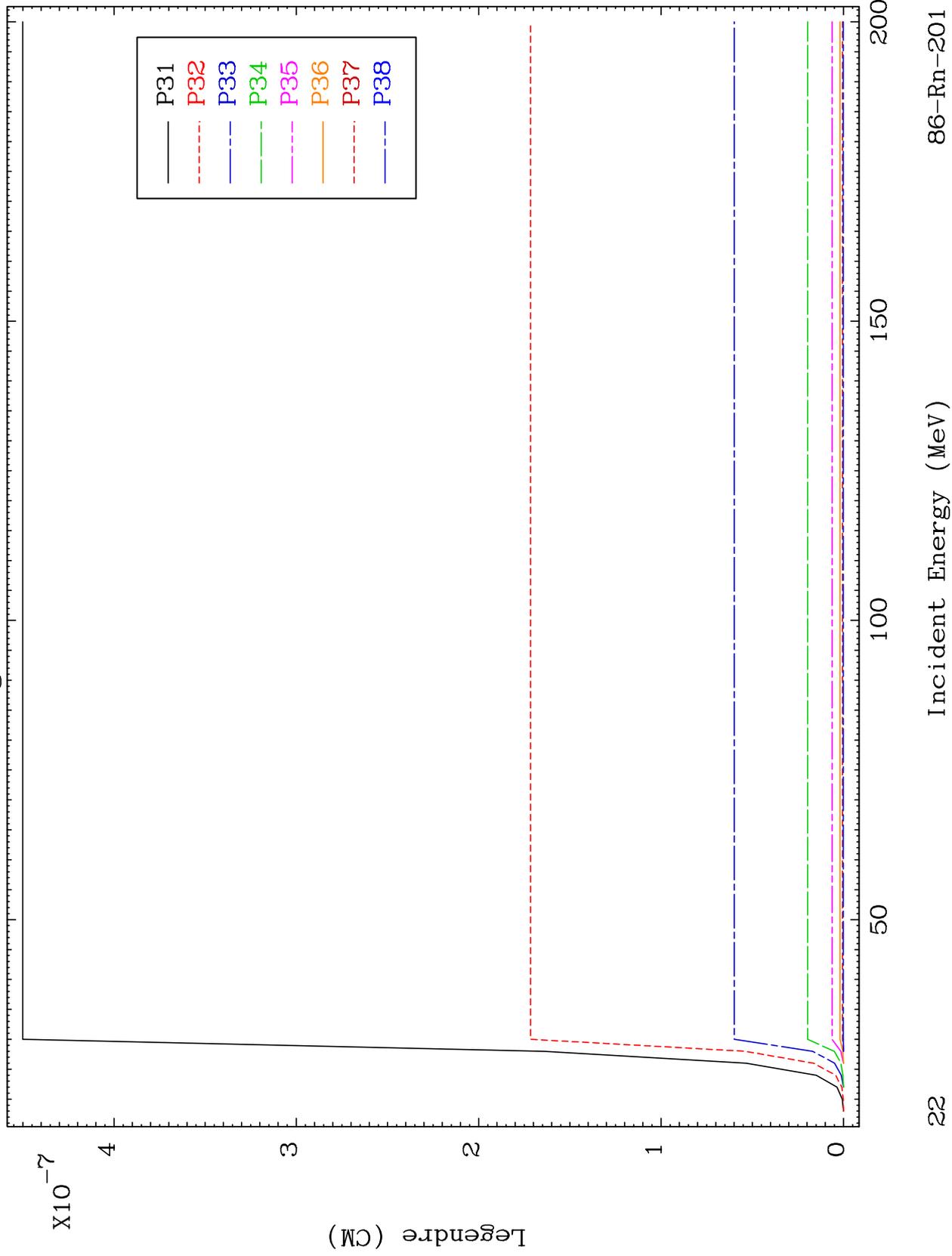
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MAT 8595

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

86-Rn-201



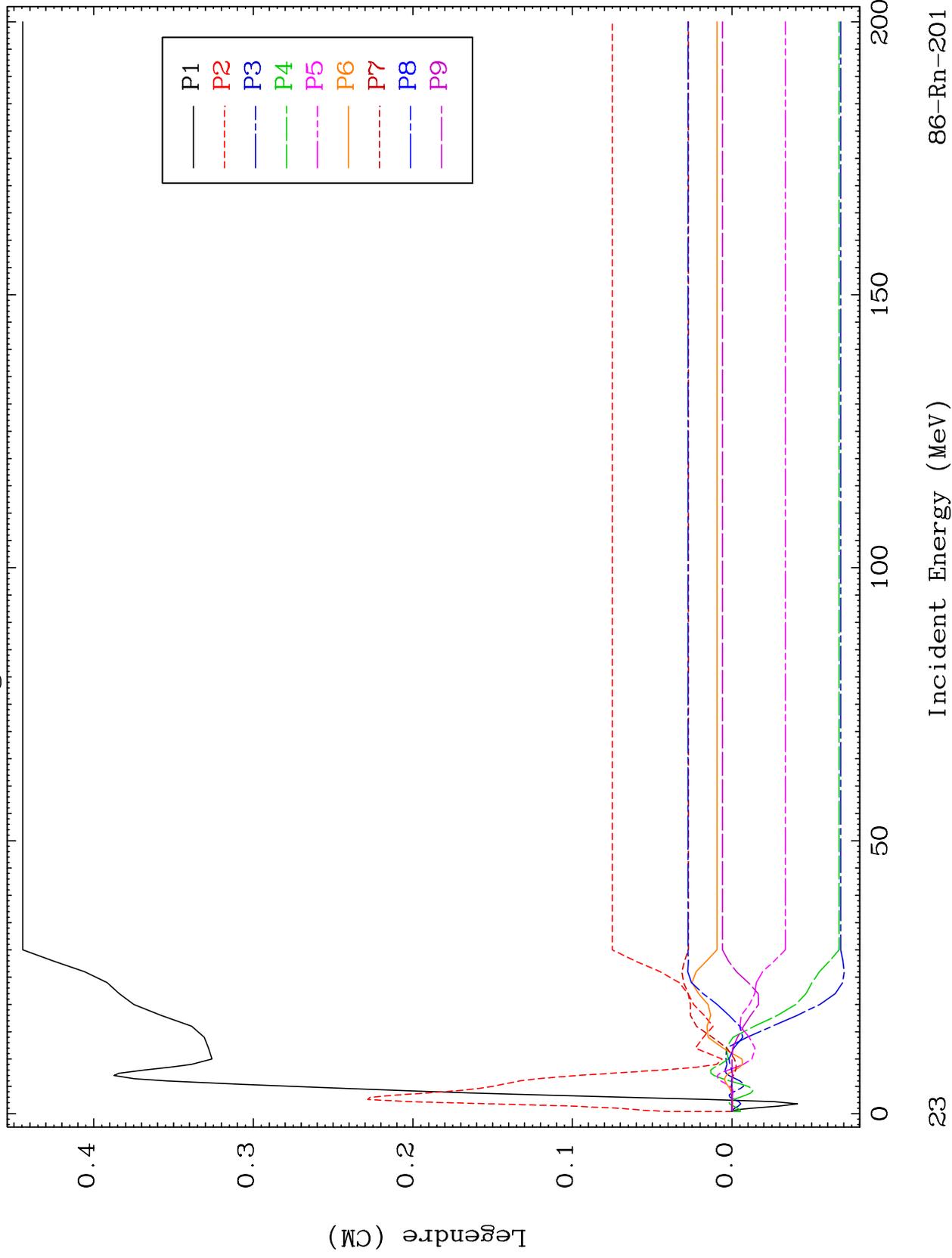
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86-Rn-201

MAT 8595

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

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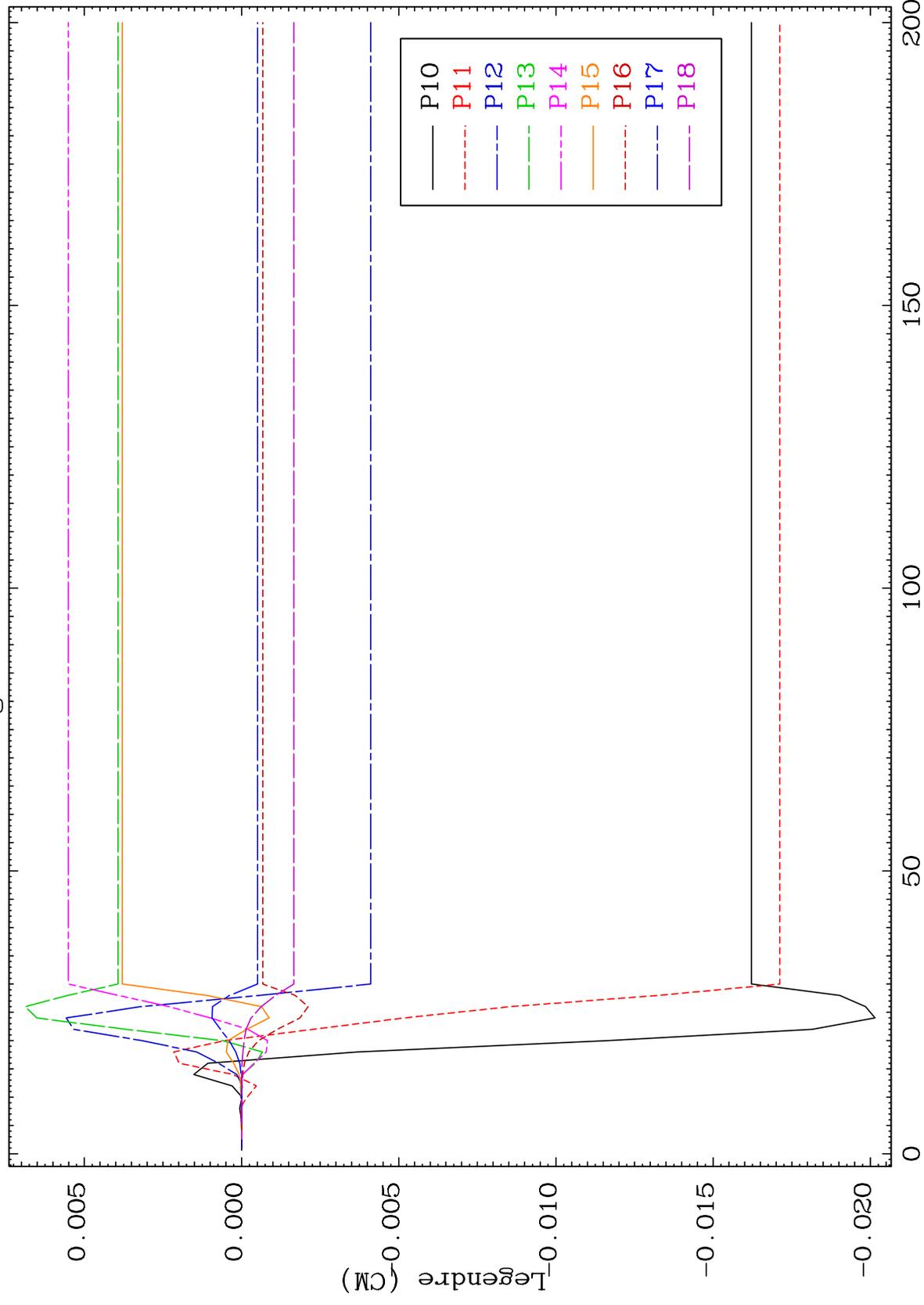


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MAT 8595

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

86-Rn-201



24

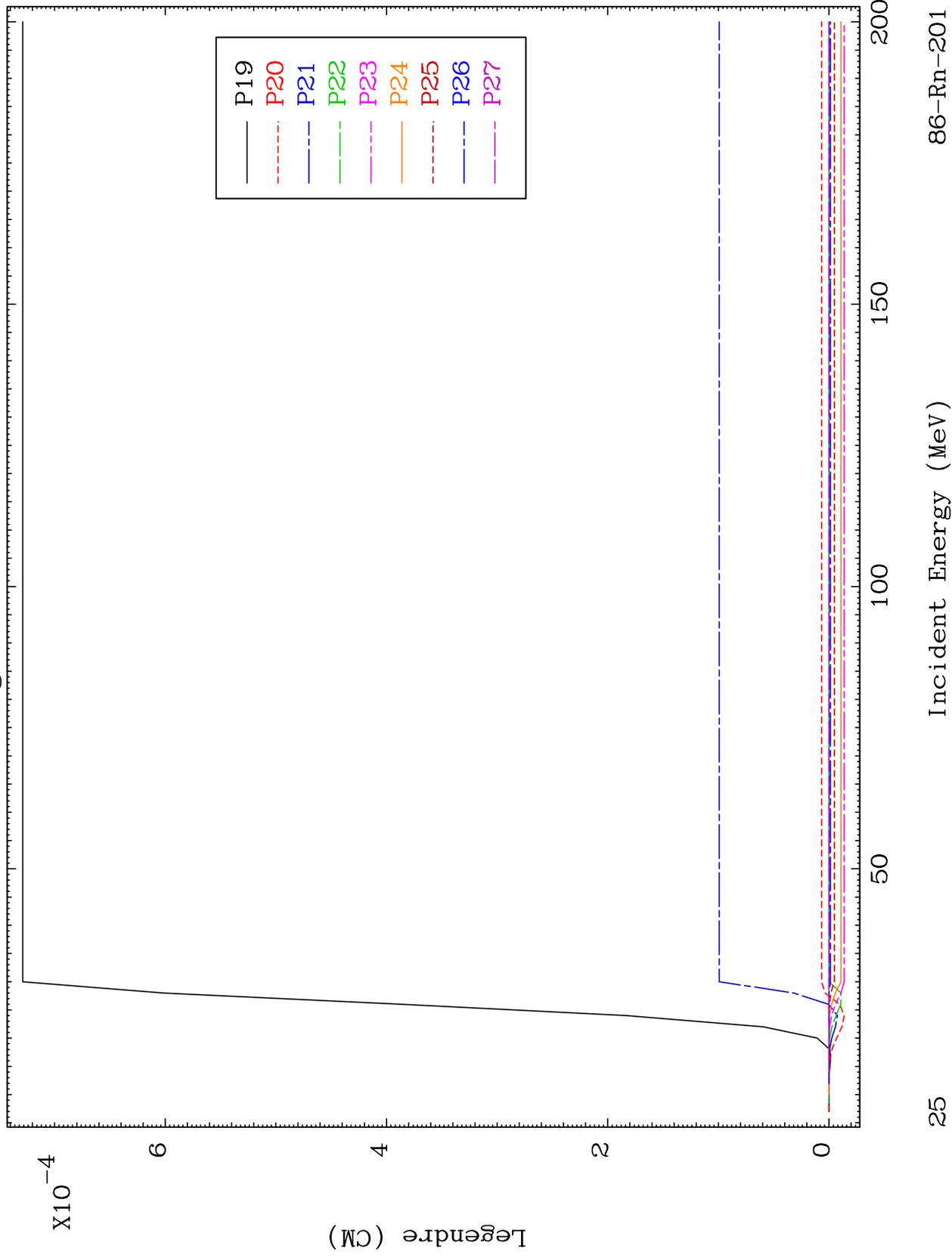
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

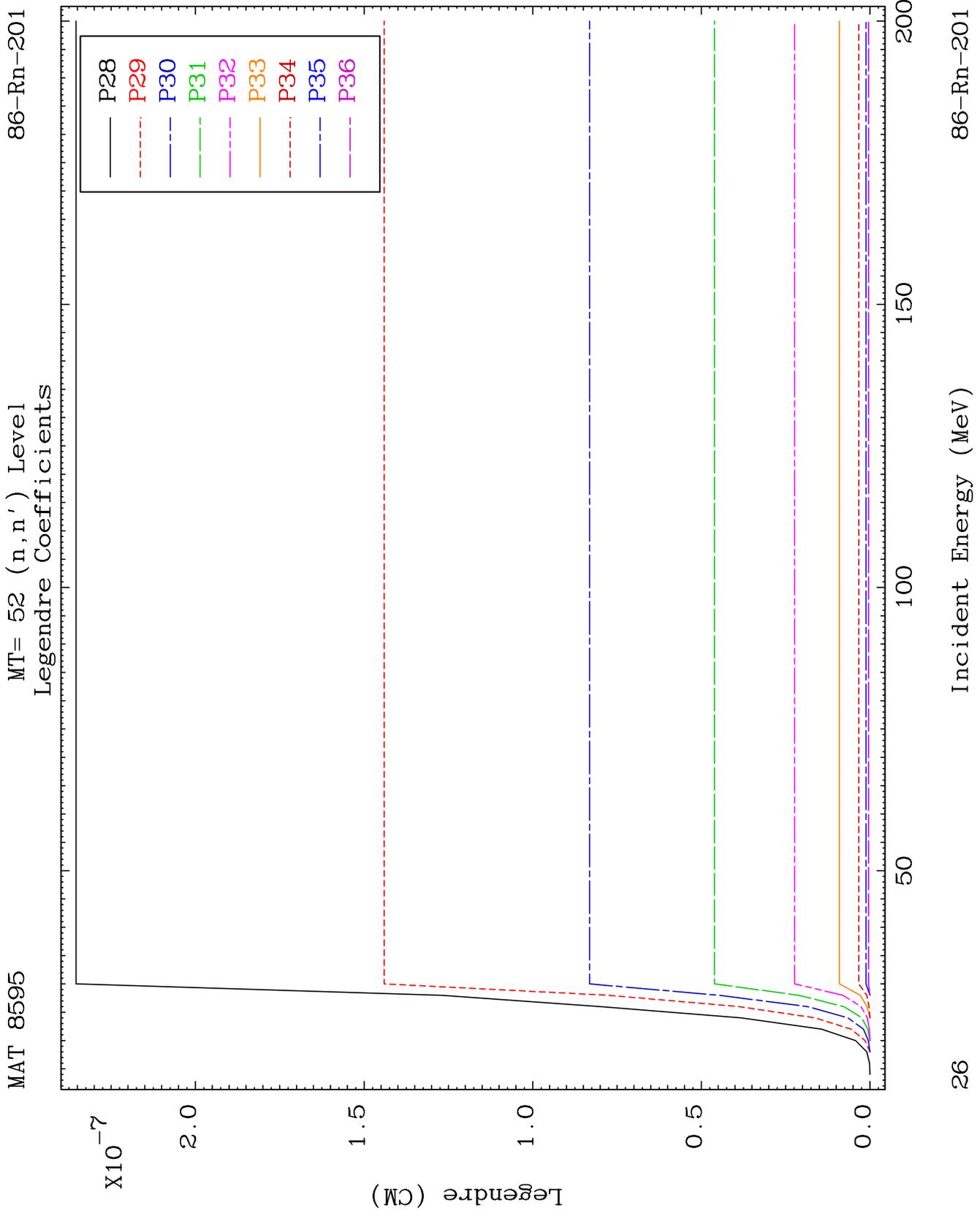
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86-Rn-201

Incident Energy (MeV)

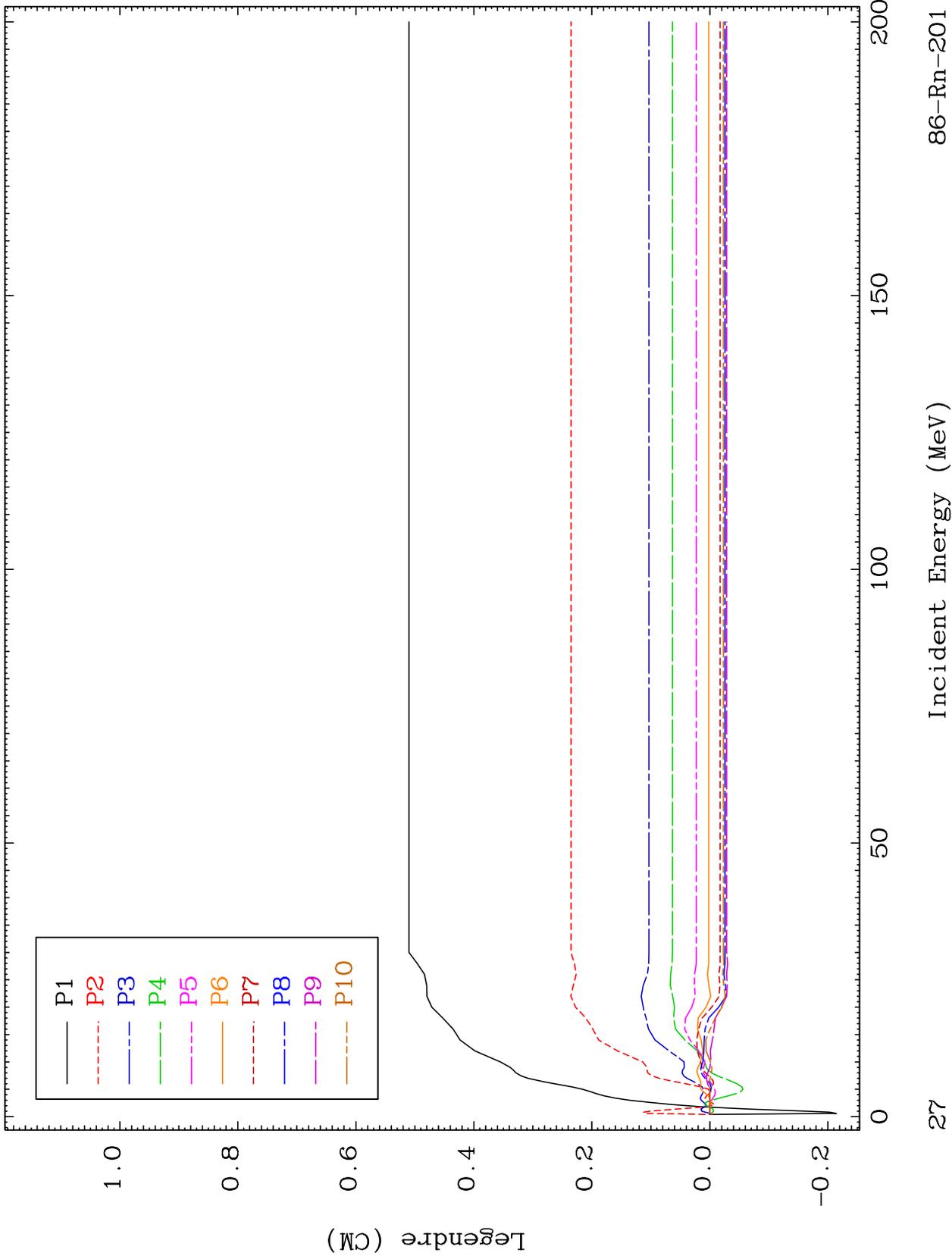
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MAT 8595

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

86-Rn-201



27

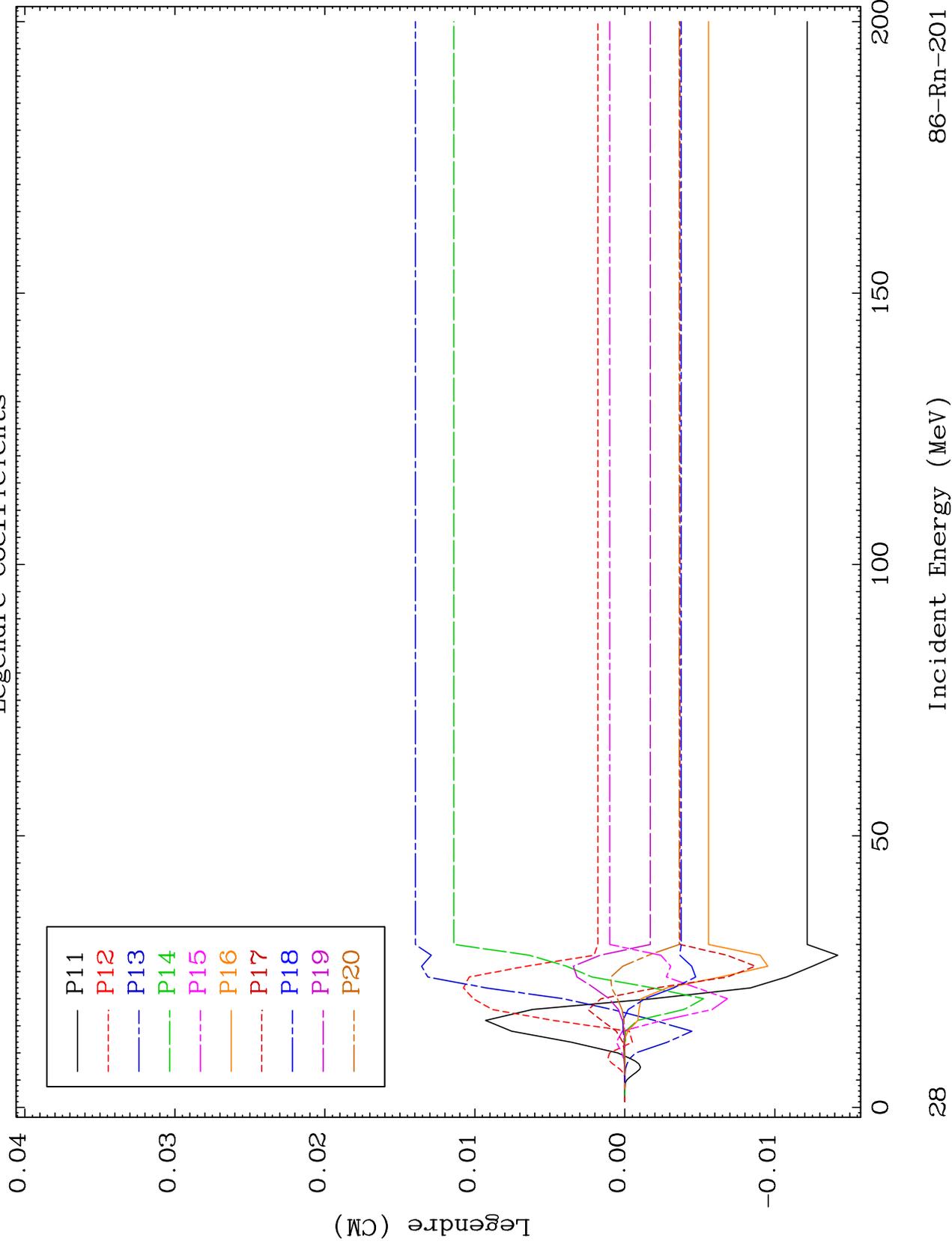
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

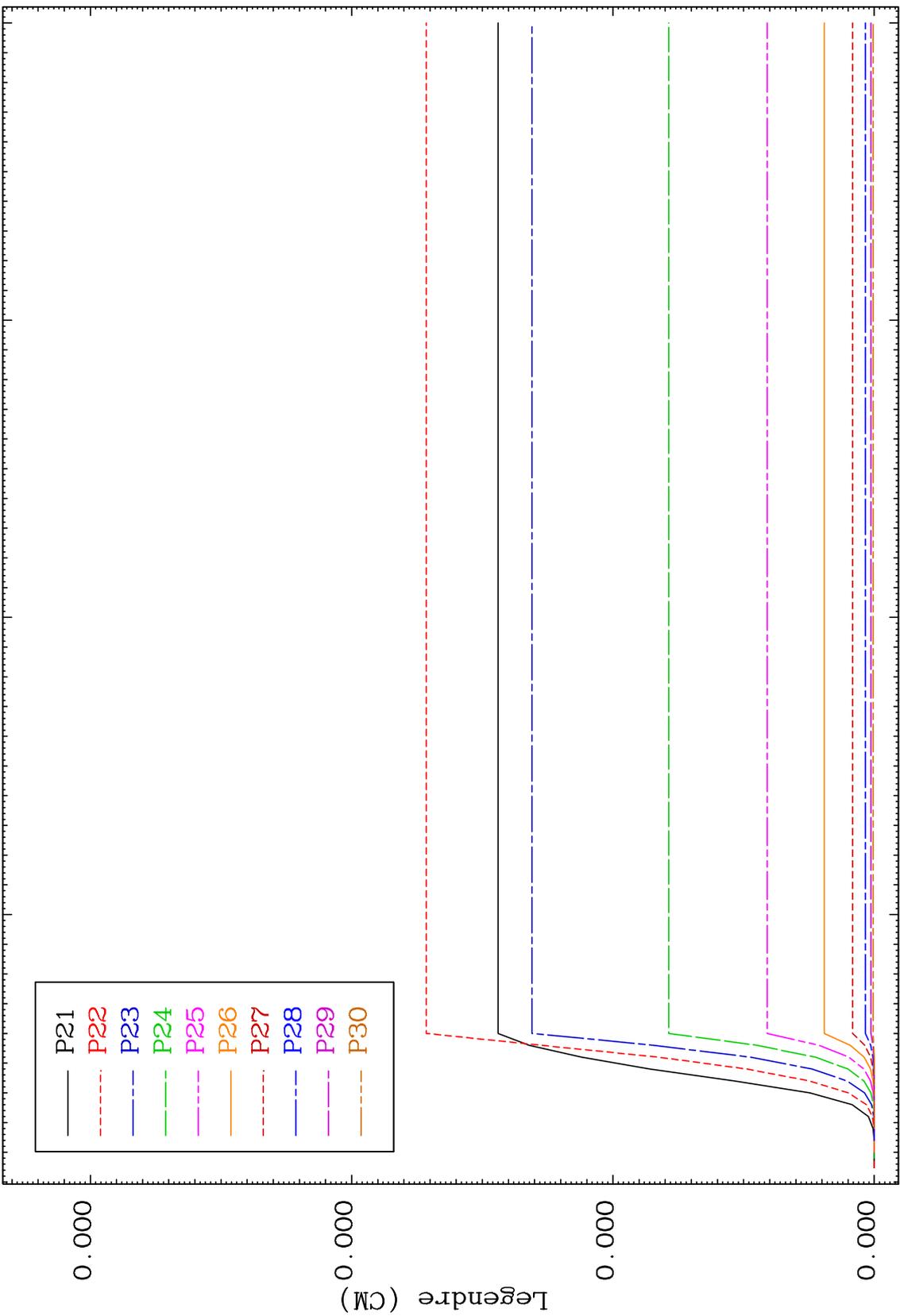
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Legendre Coefficients

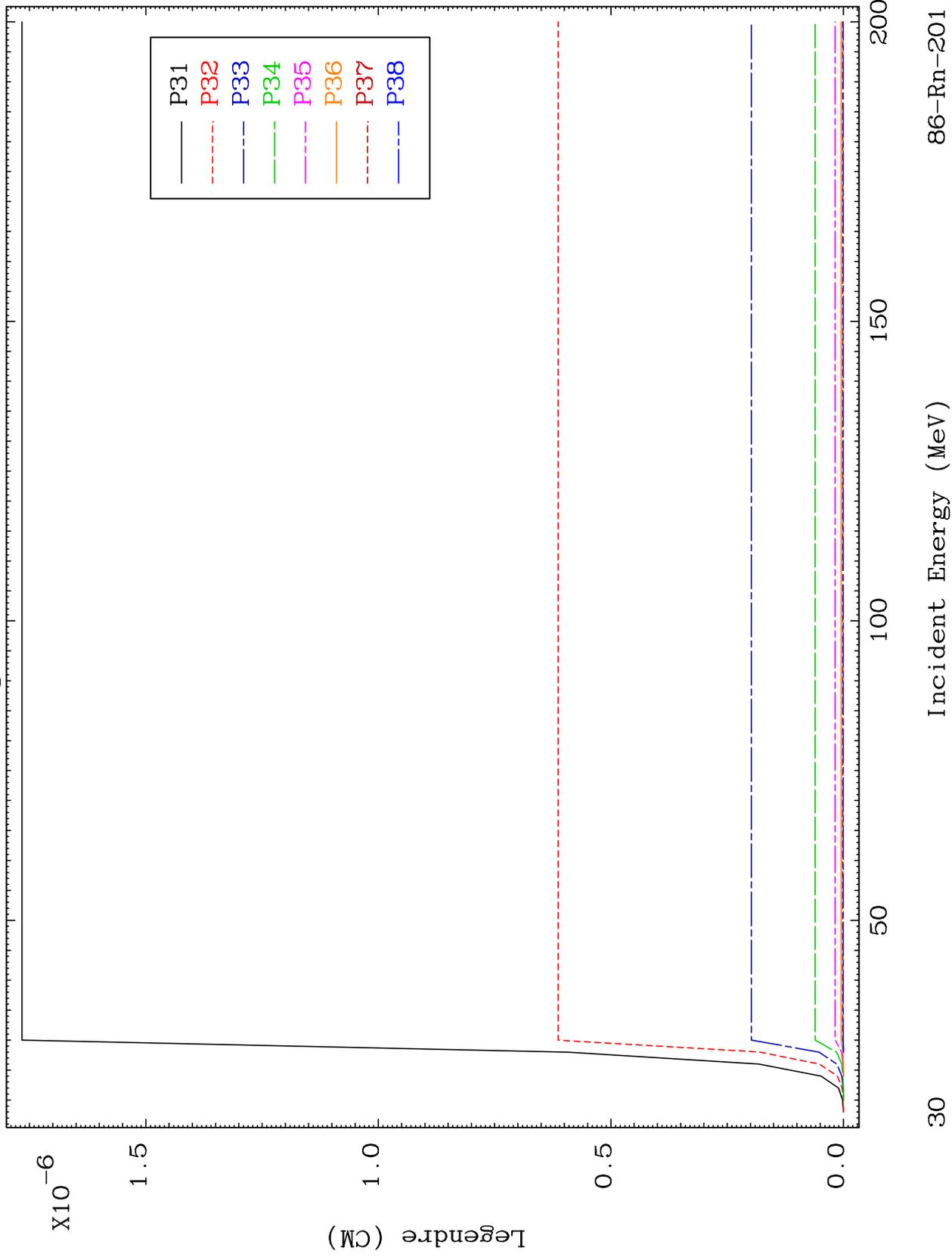
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MAT 8595

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

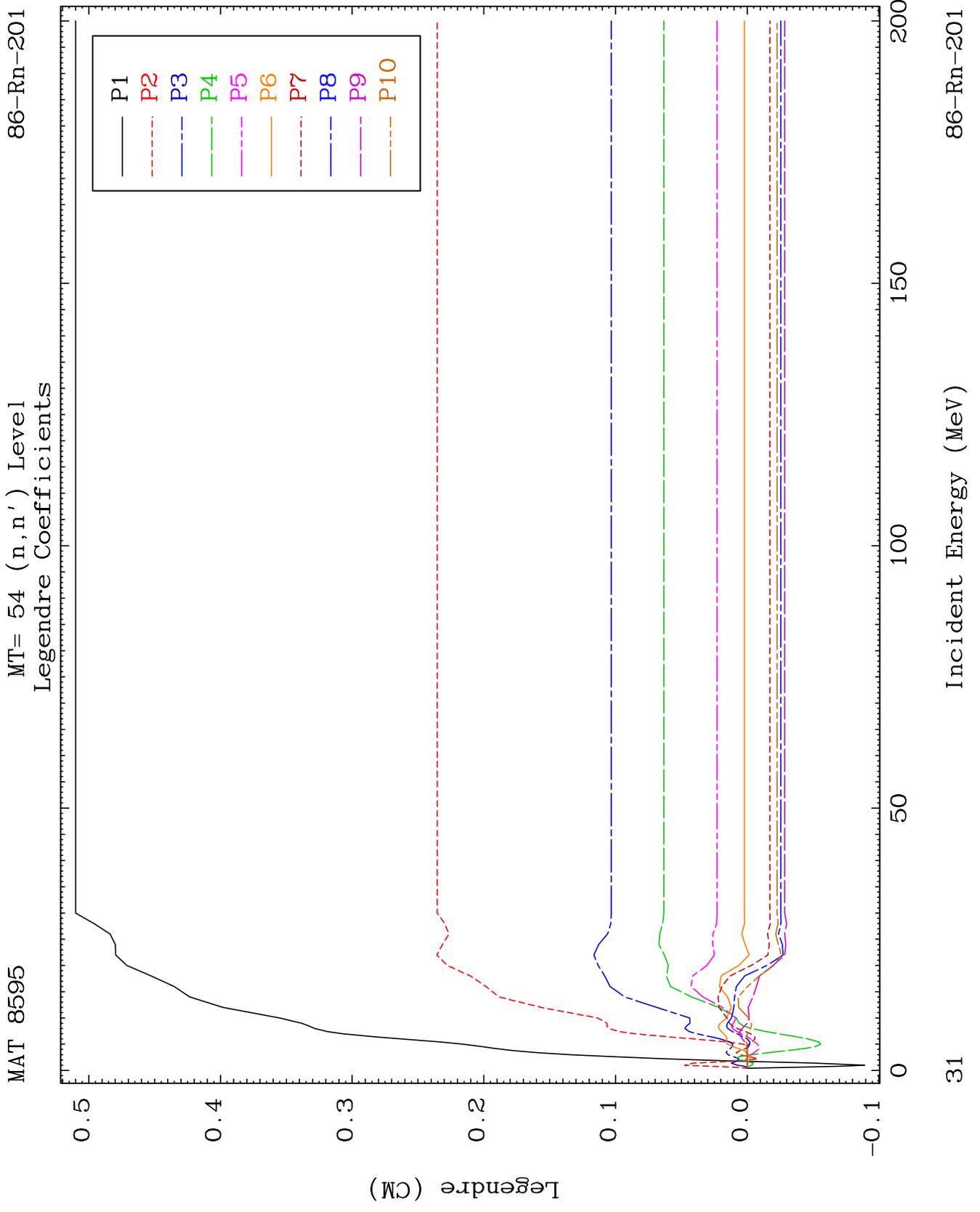
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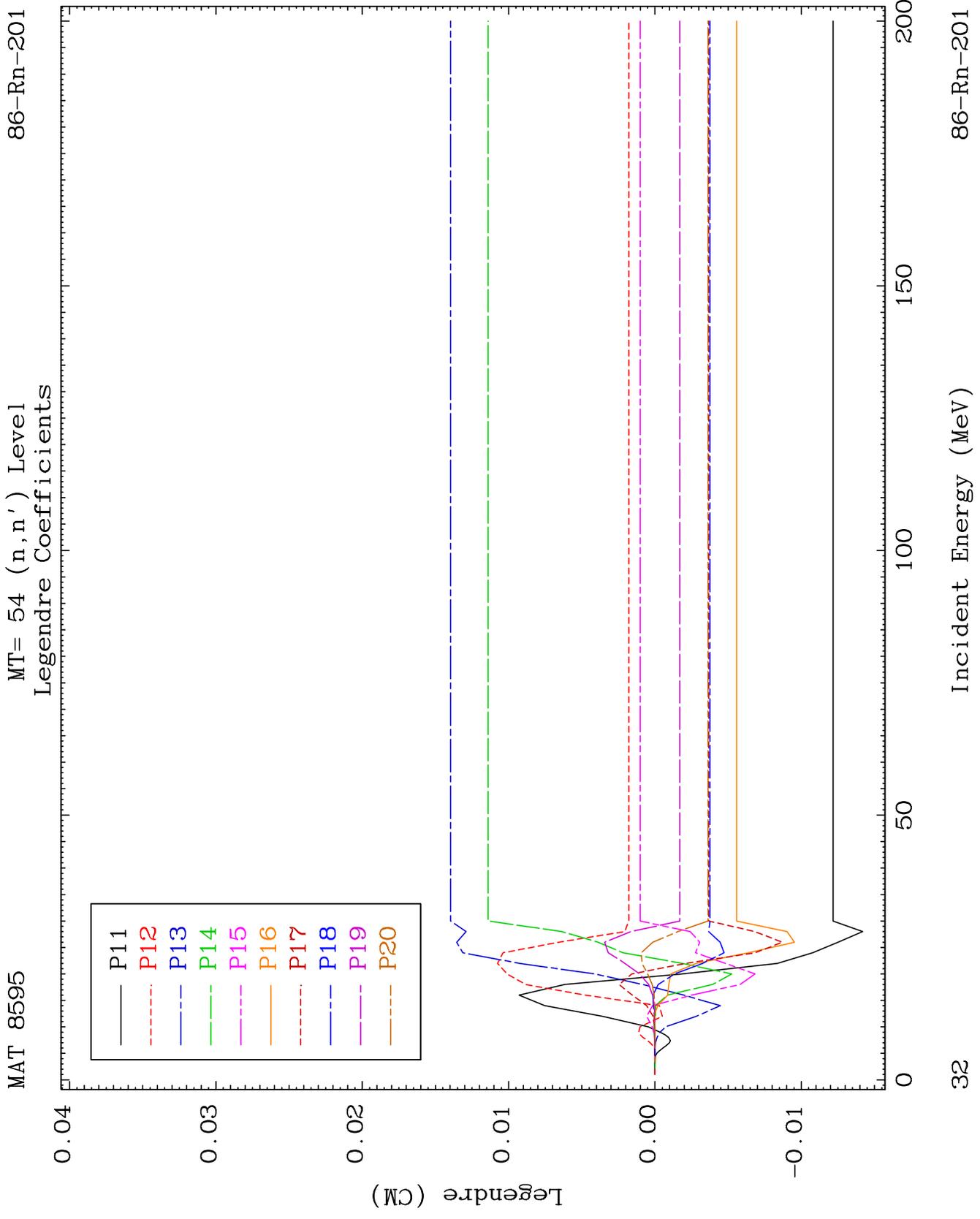


86-Rn-201

Incident Energy (MeV)

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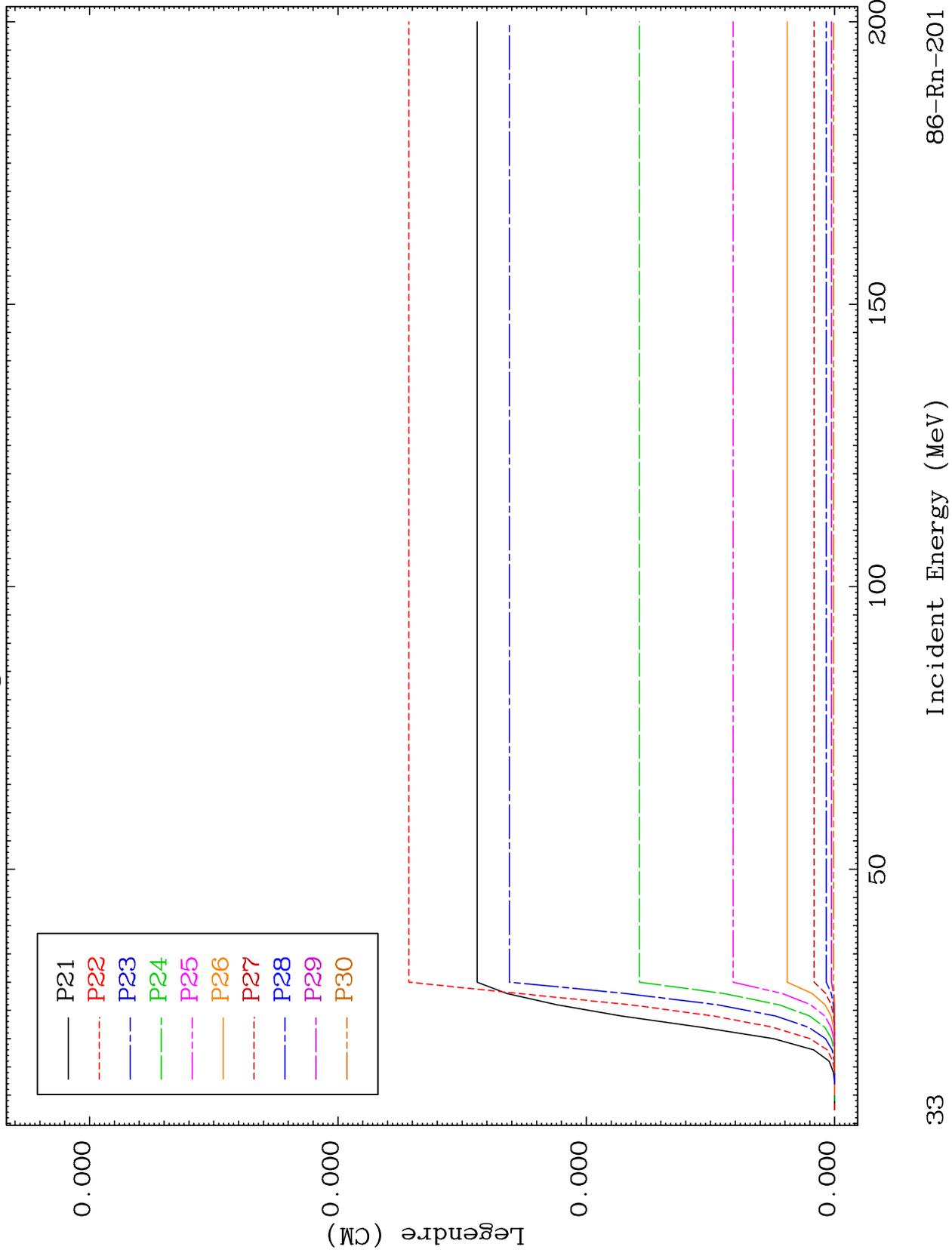




MAT 8595

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

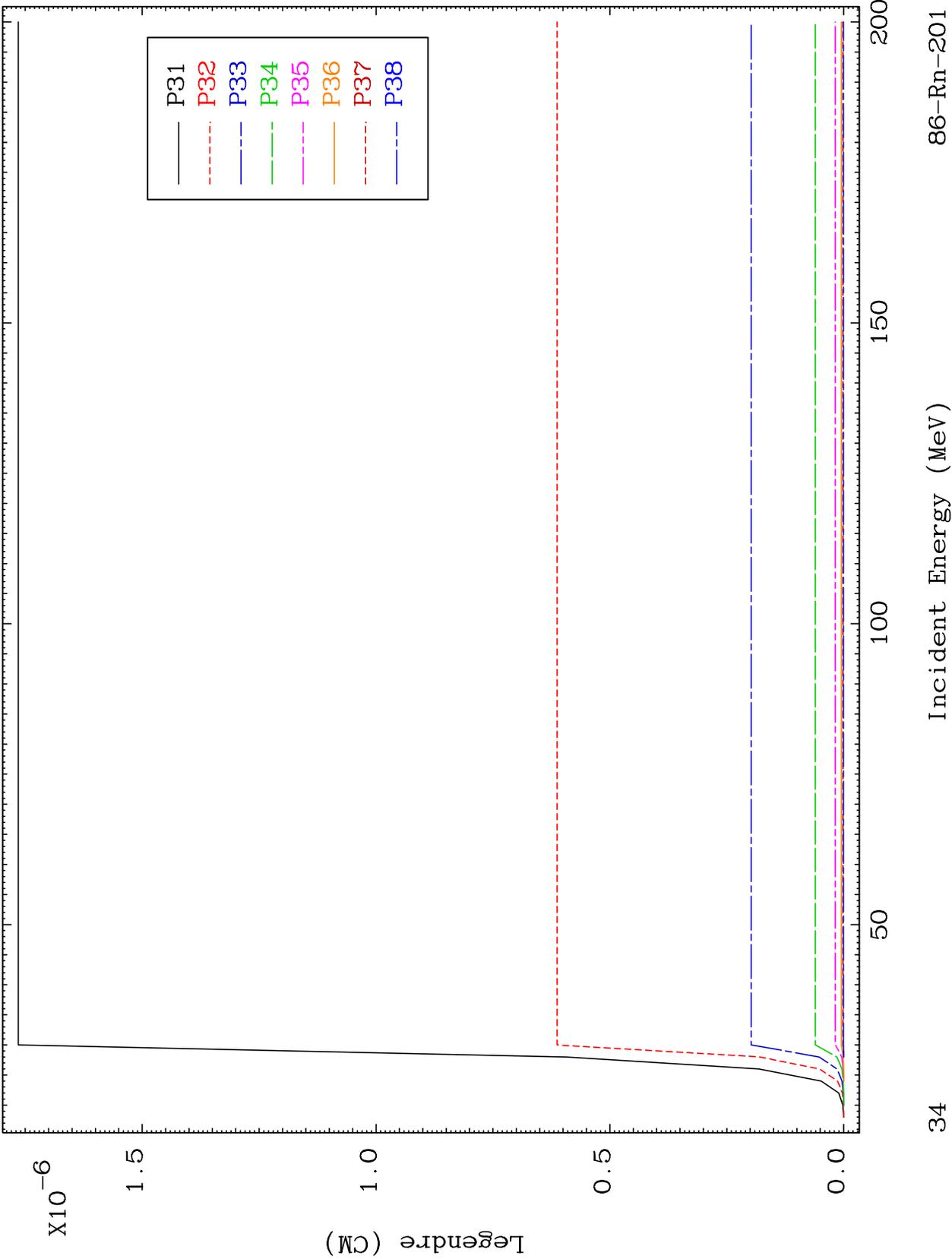
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MAT 8595

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

86-Rn-201



34

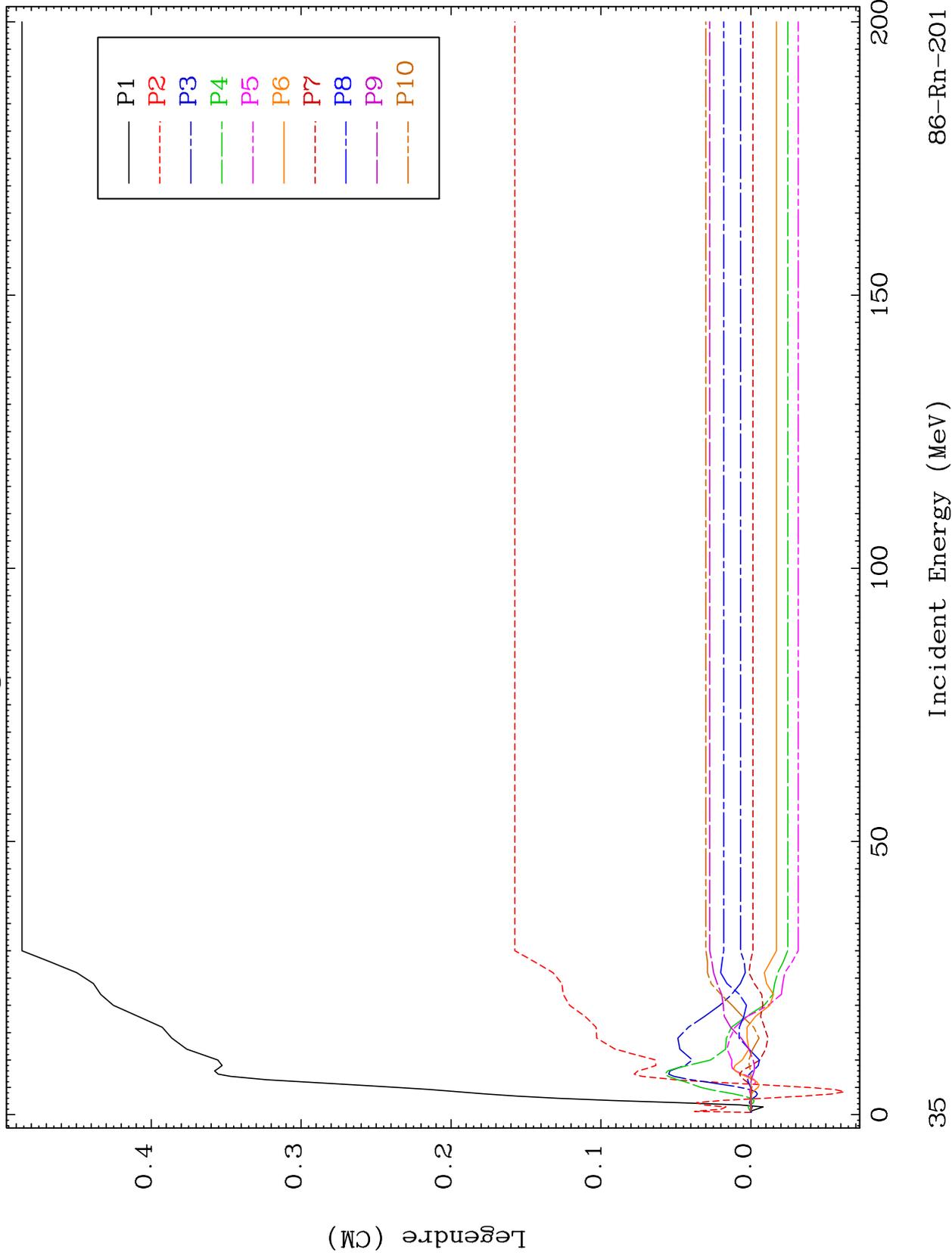
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



86-Rn-201

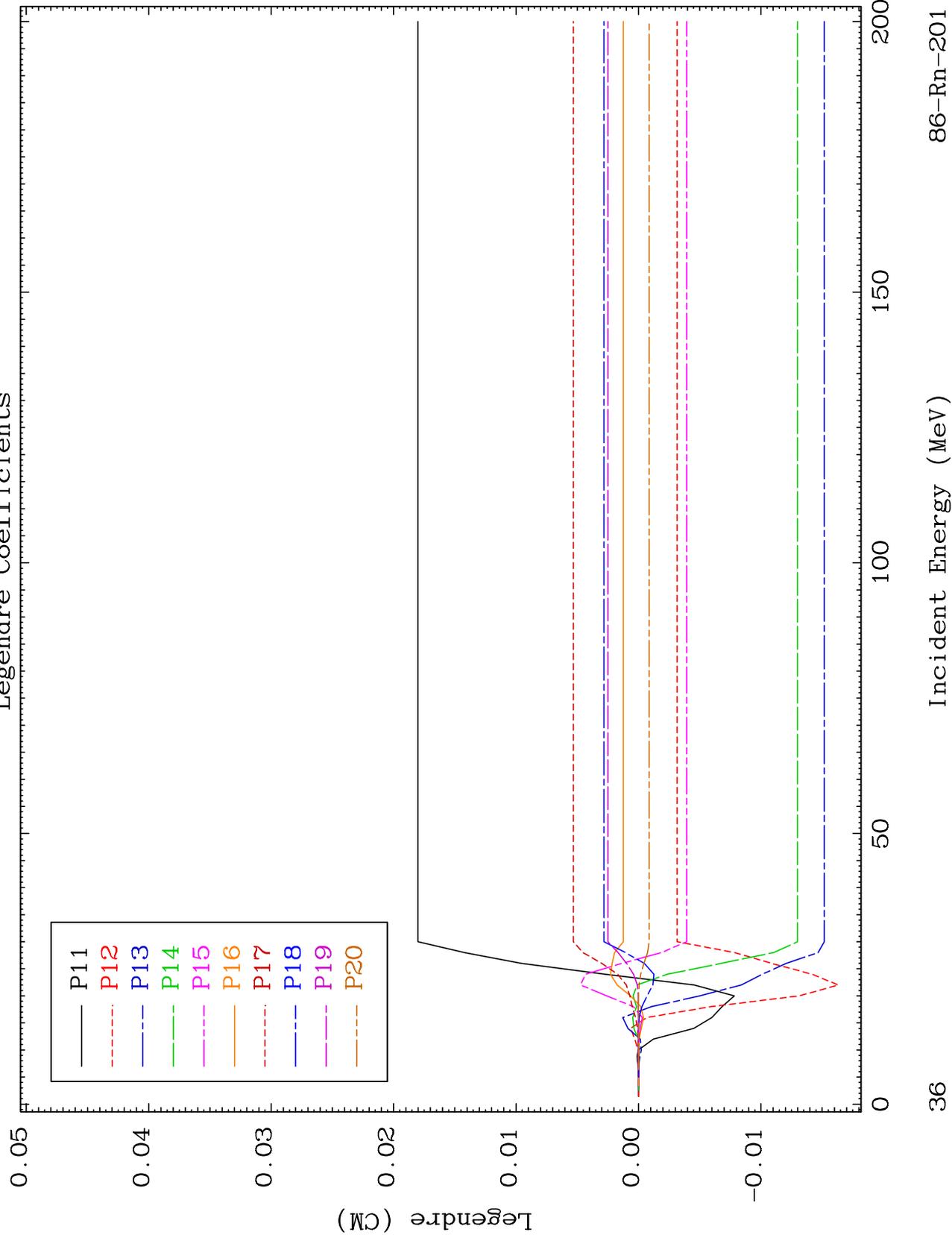
Incident Energy (MeV)

35

MAT 8595

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

86-Rn-201



36

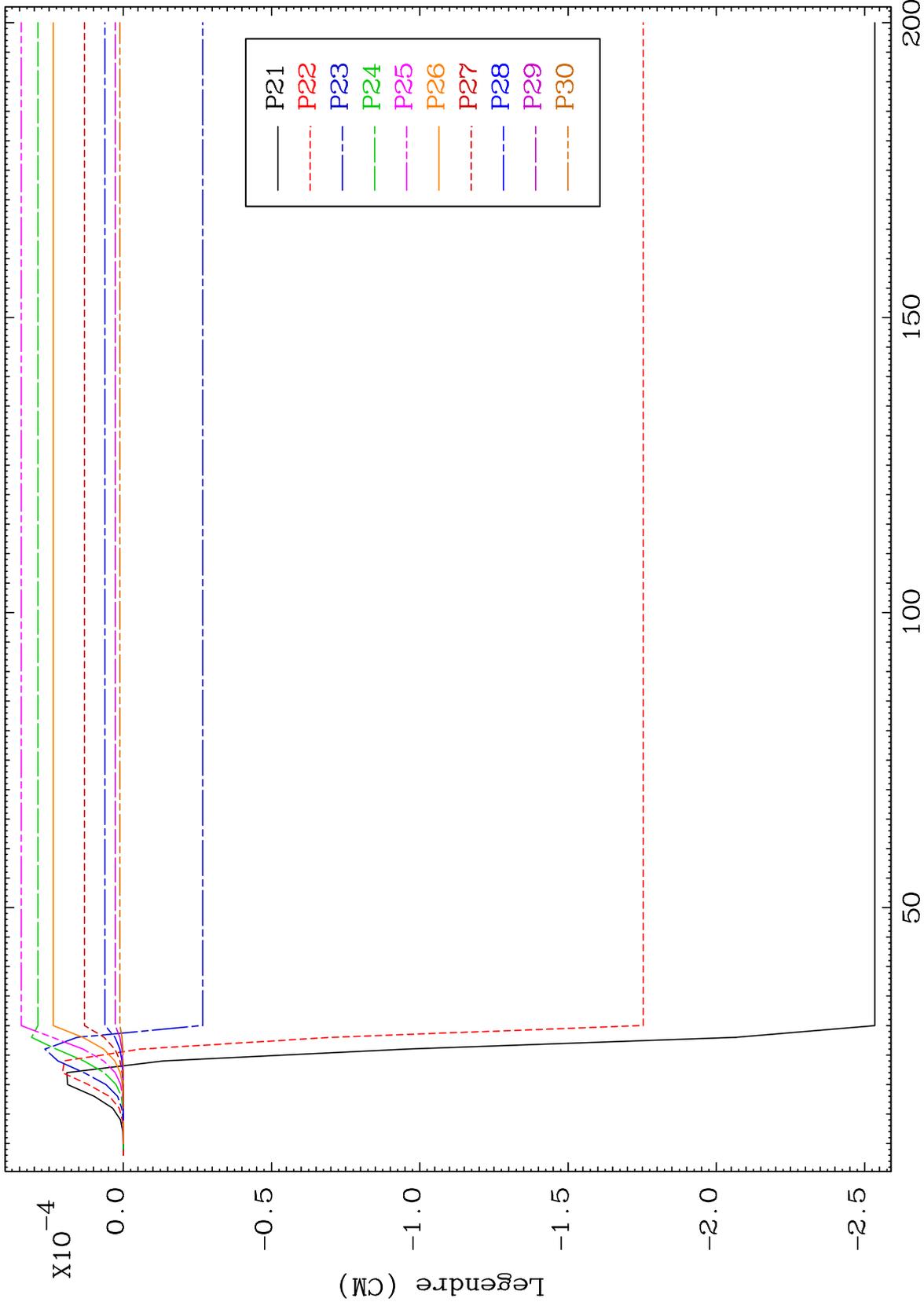
Incident Energy (MeV)

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MAT 8595

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

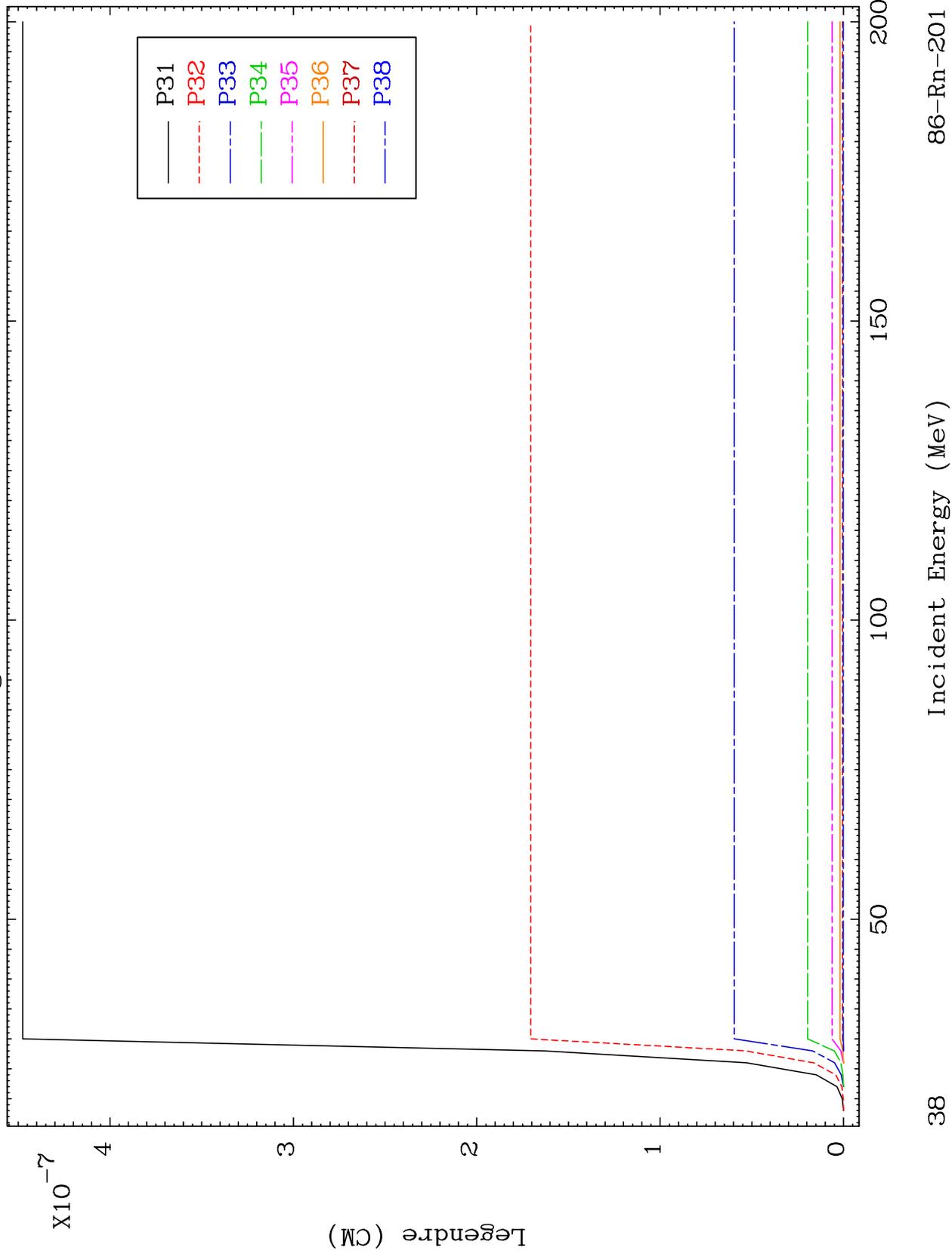
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MT= 55 (n,n') Level
Legendre Coefficients

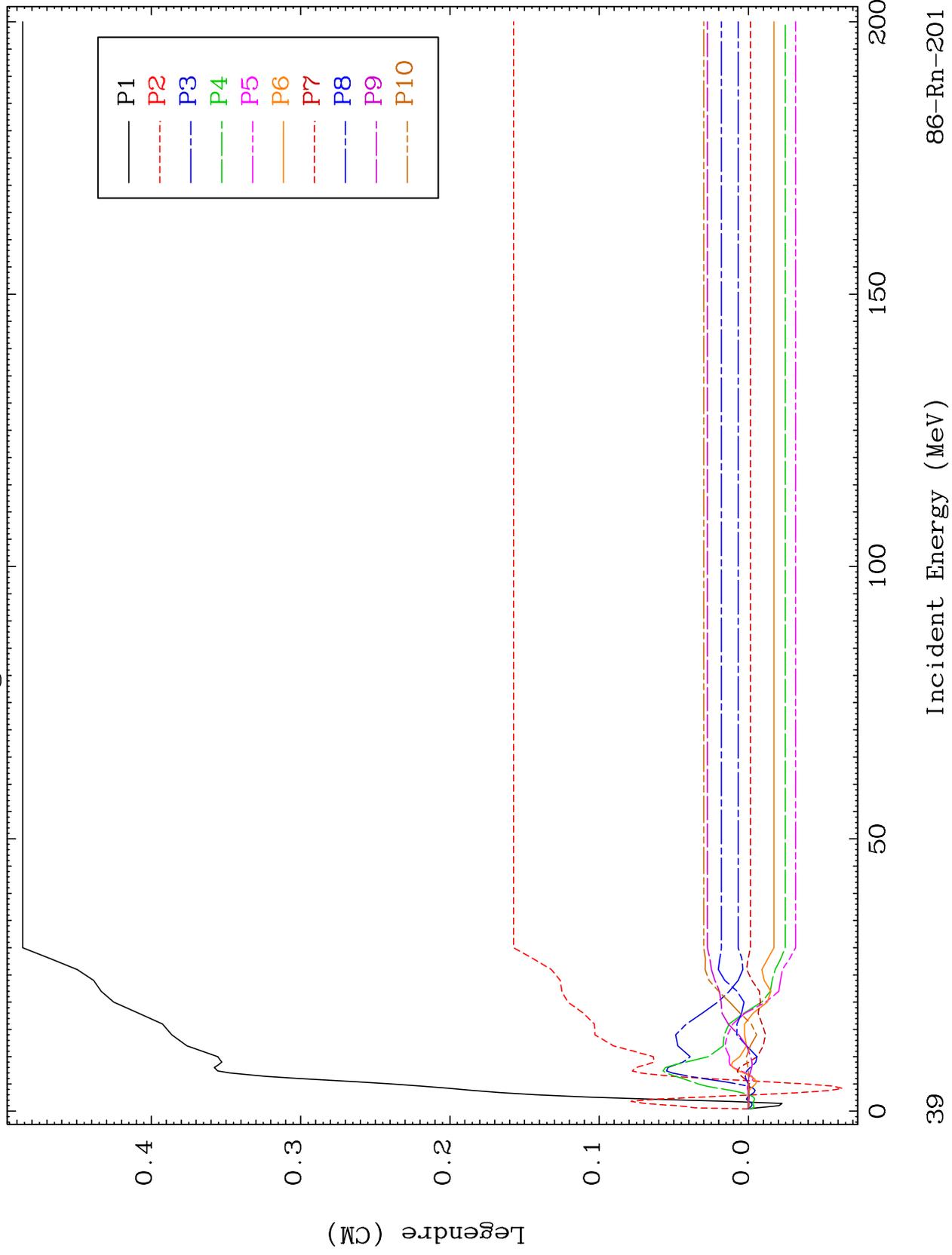
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MAT 8595

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

86-Rn-201



86-Rn-201

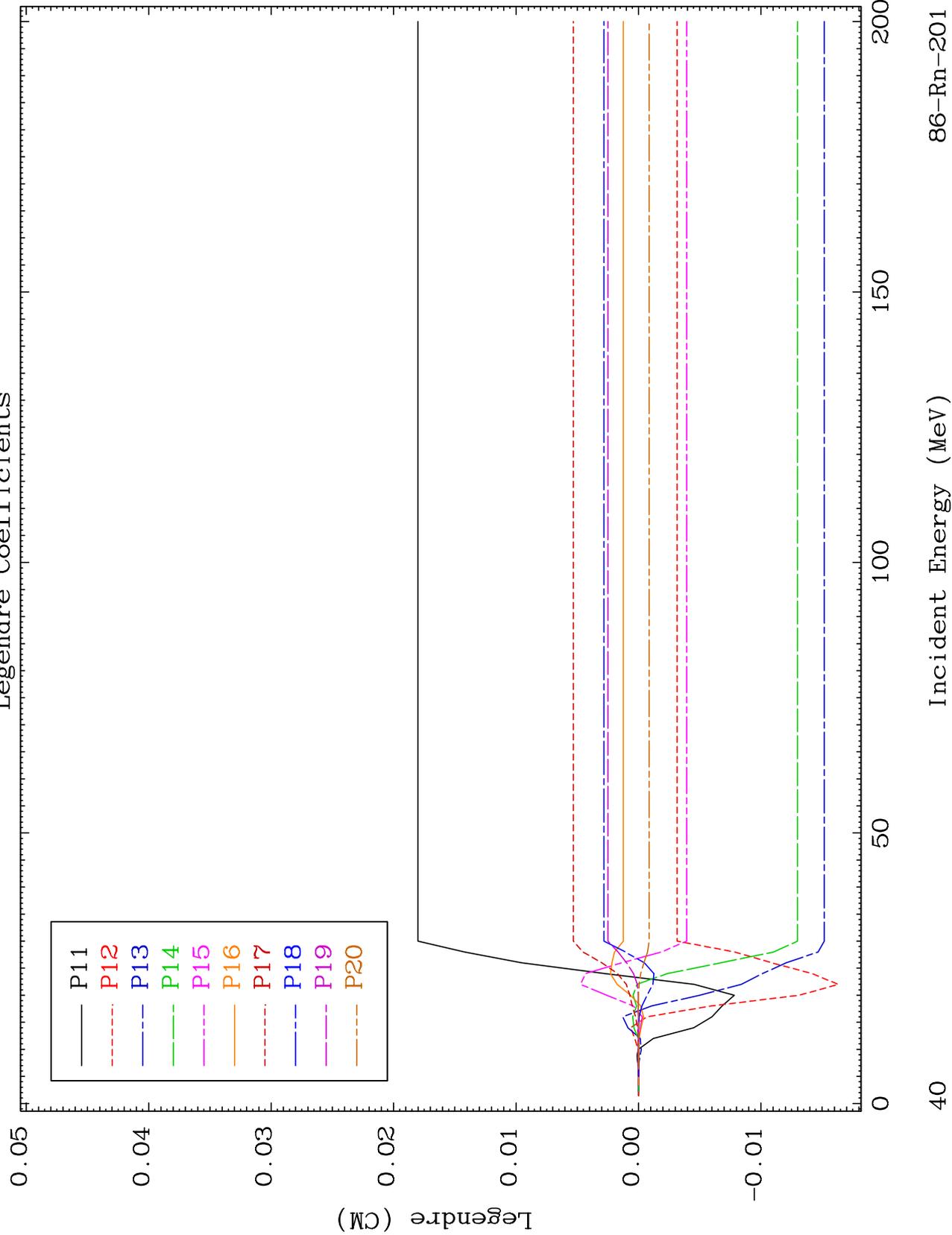
Incident Energy (MeV)

39

MAT 8595

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

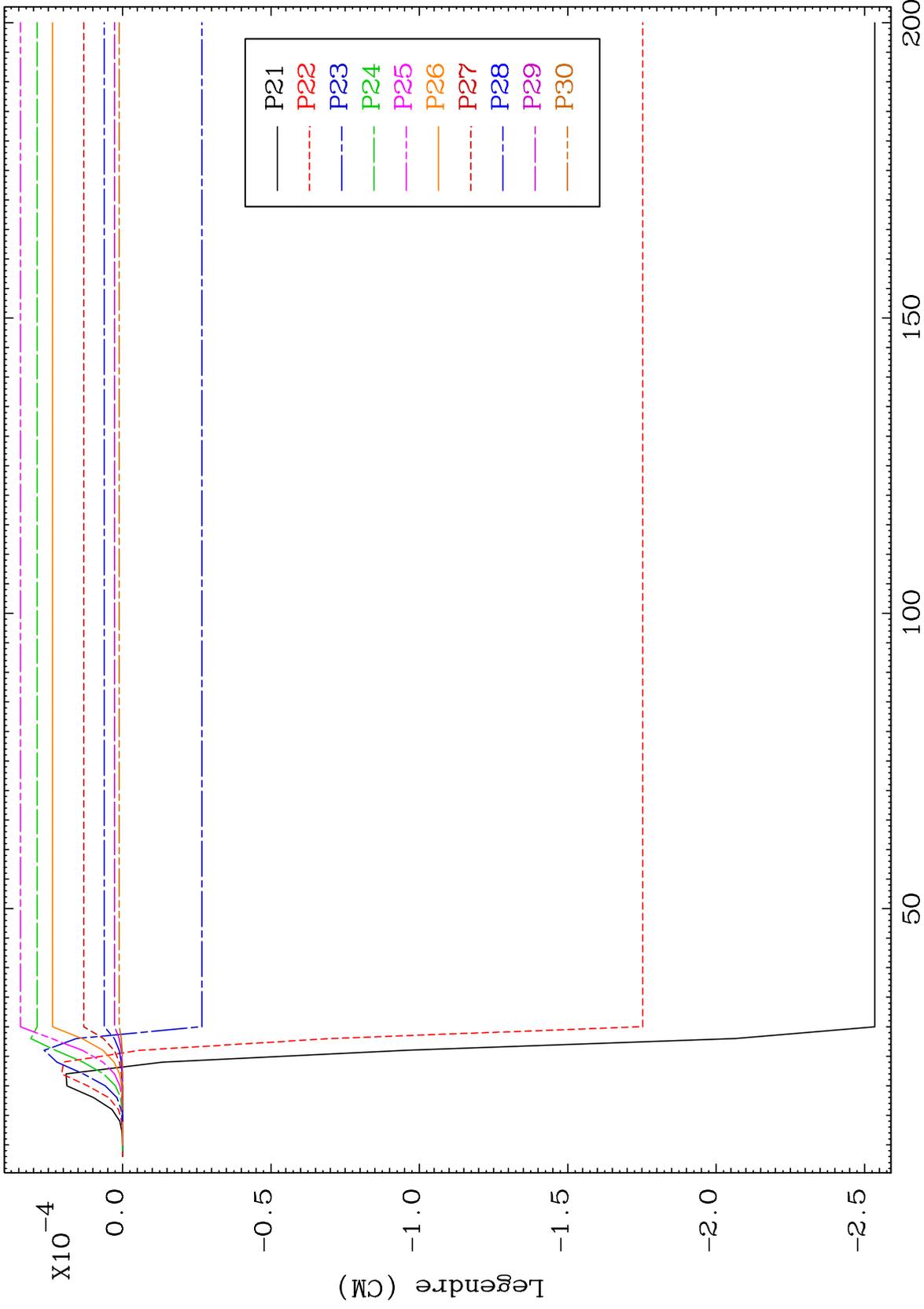
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MAT 8595

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

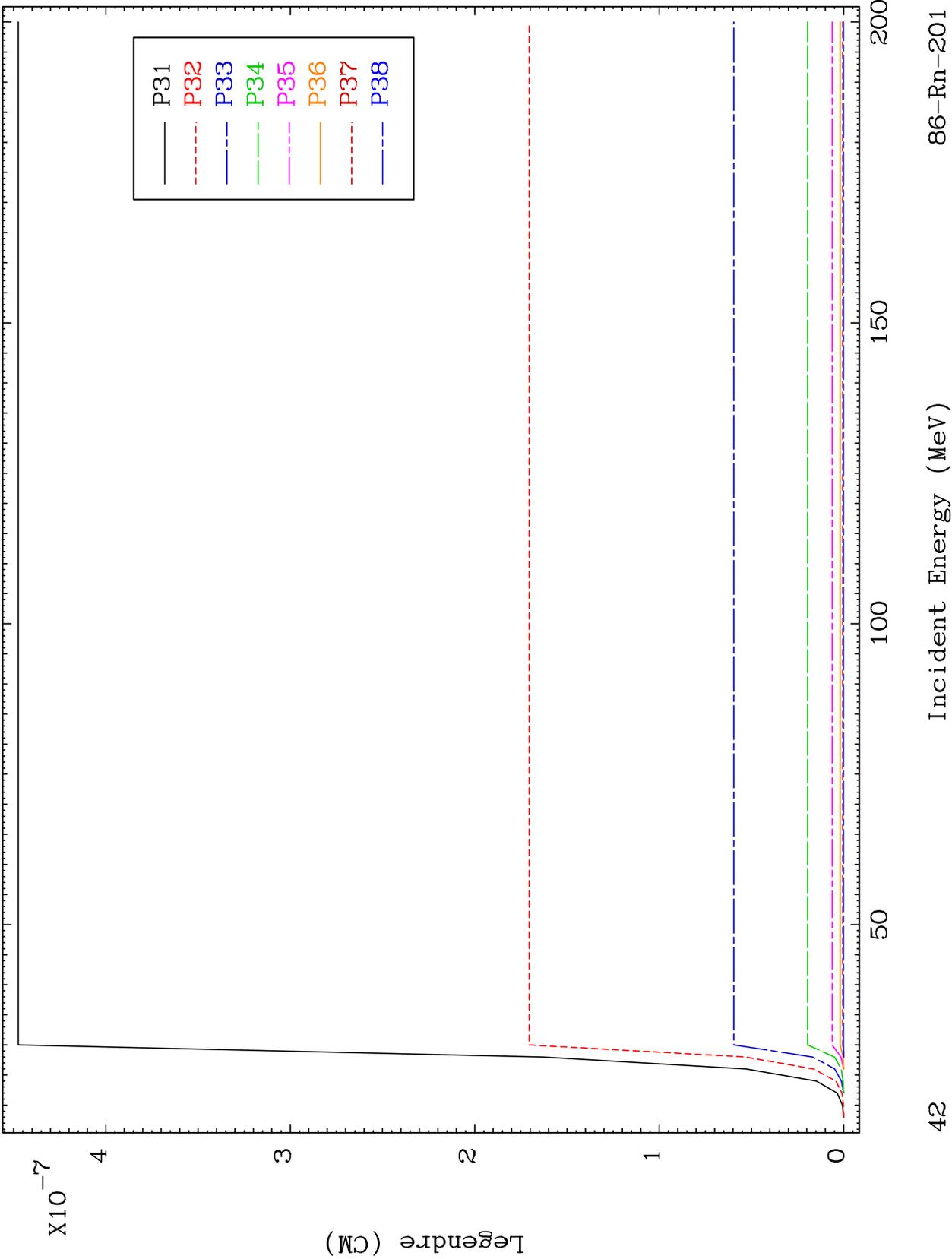
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MAT 8595

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

86-Rn-201



42

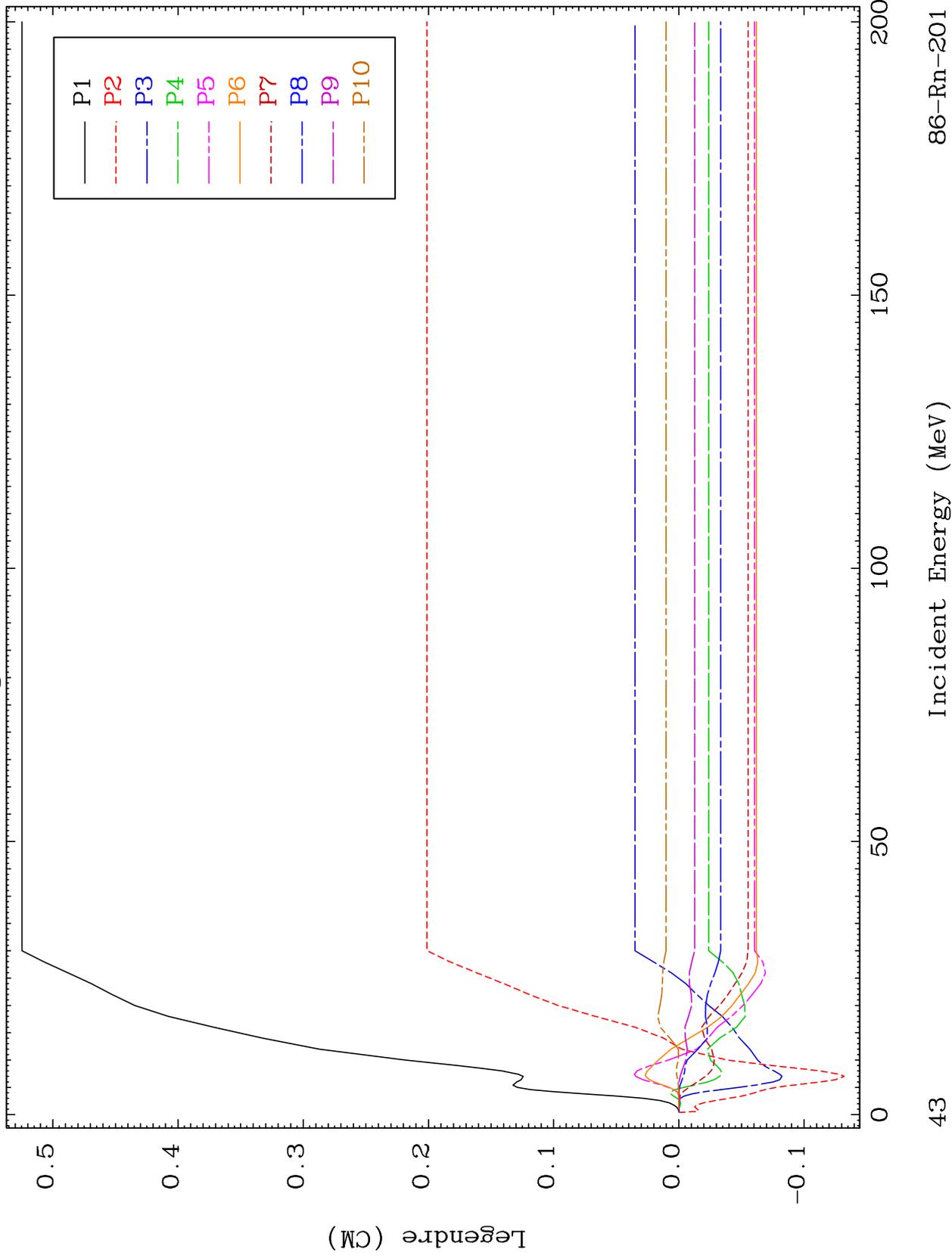
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



86-Rn-201

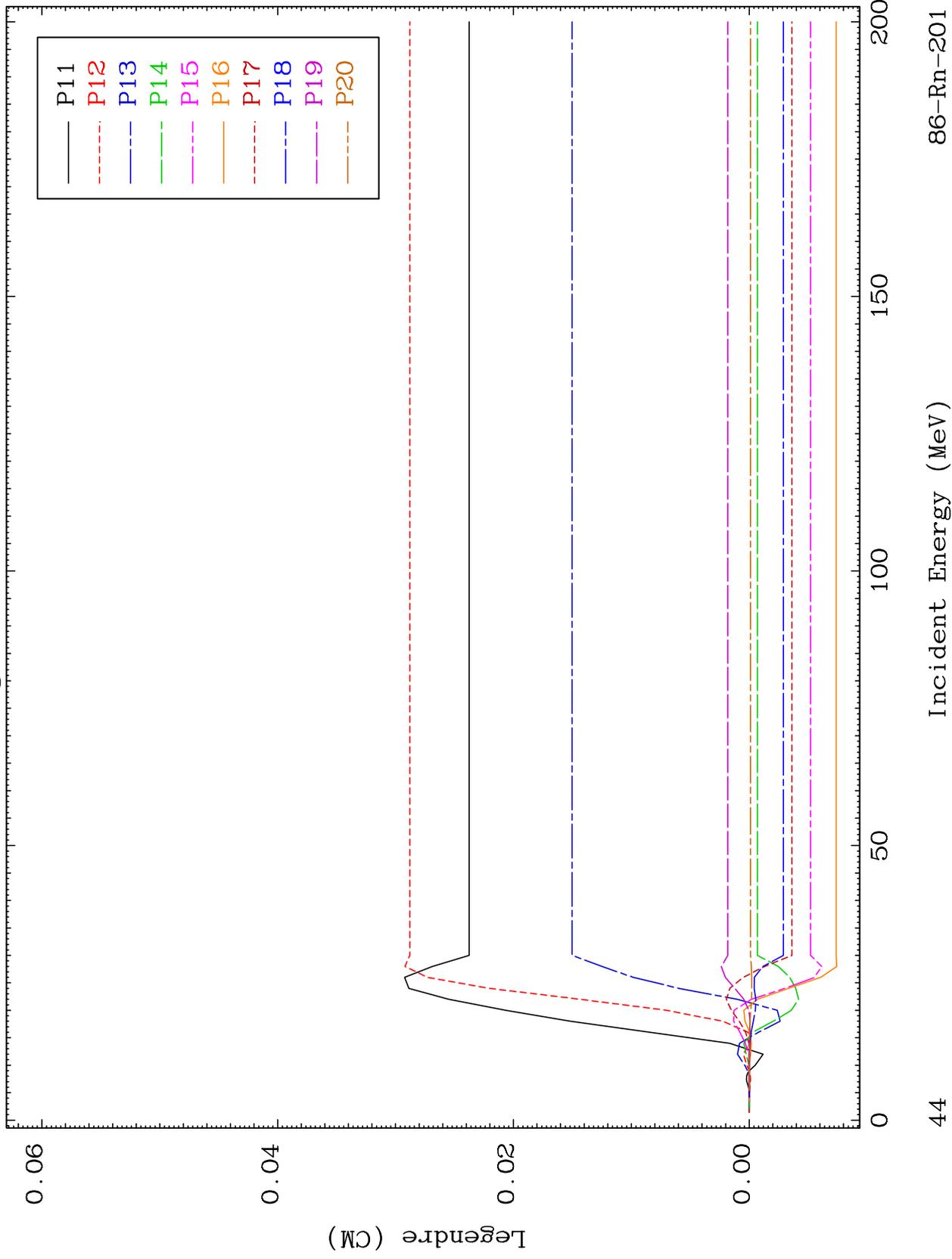
Incident Energy (MeV)

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

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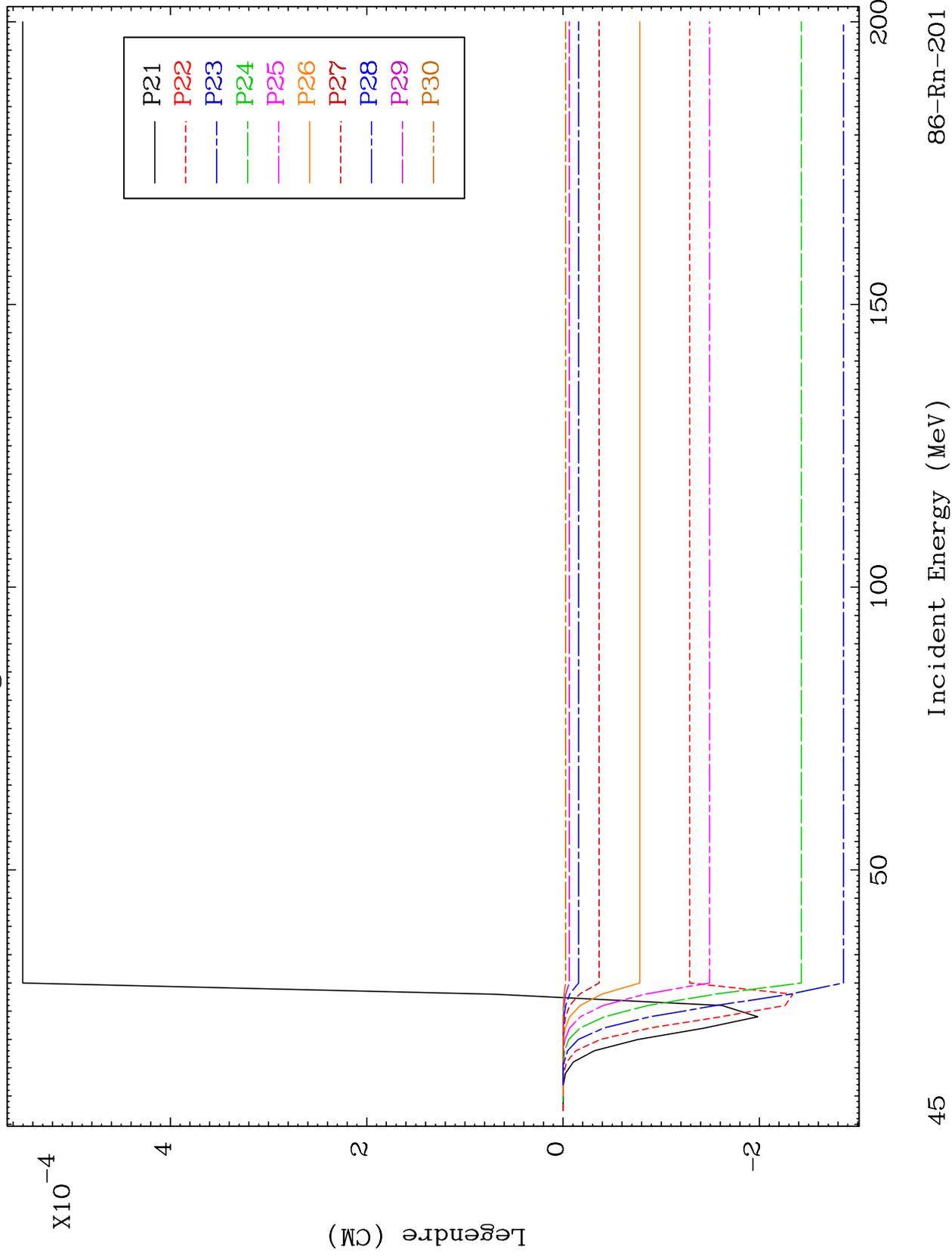


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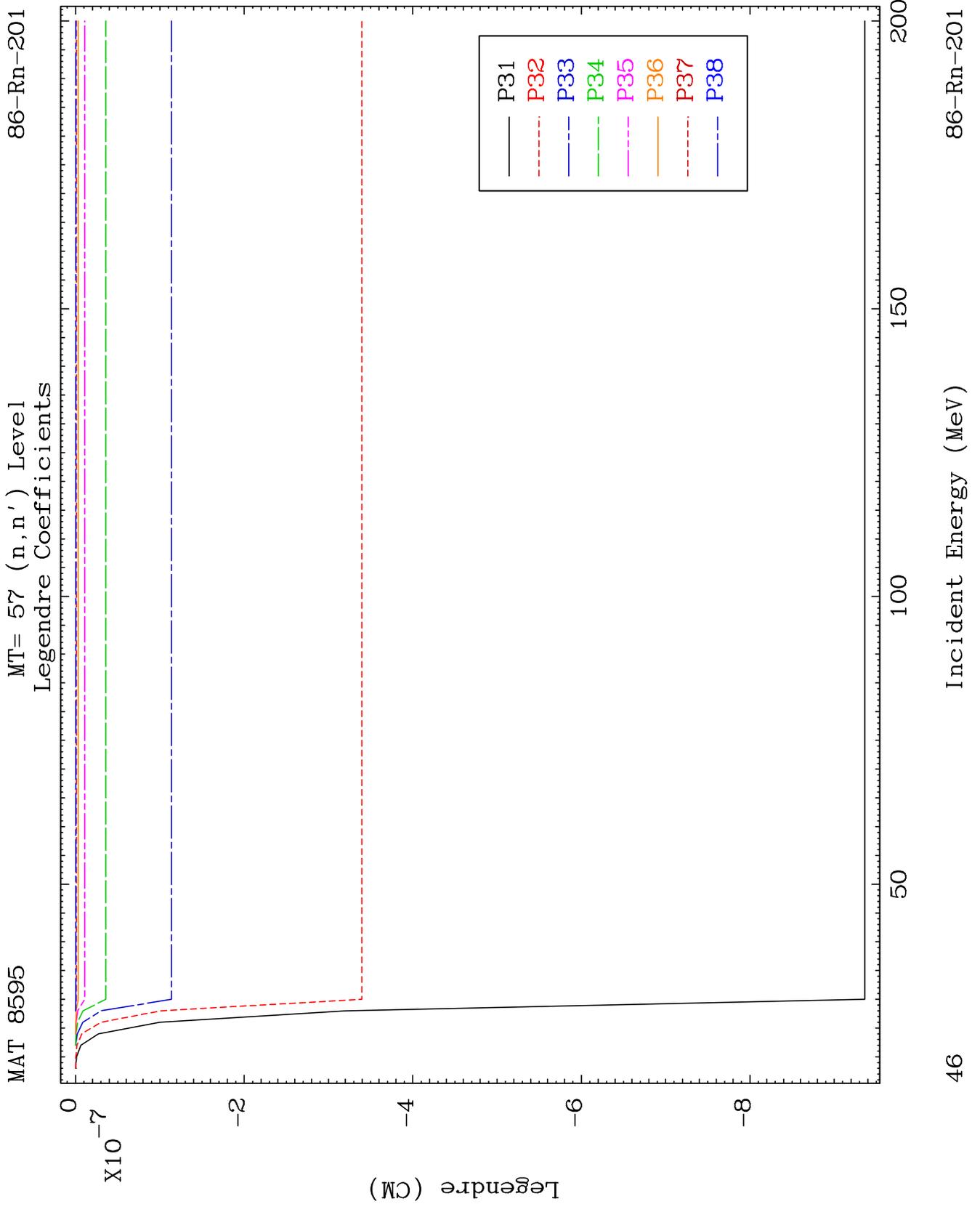
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45

Incident Energy (MeV)

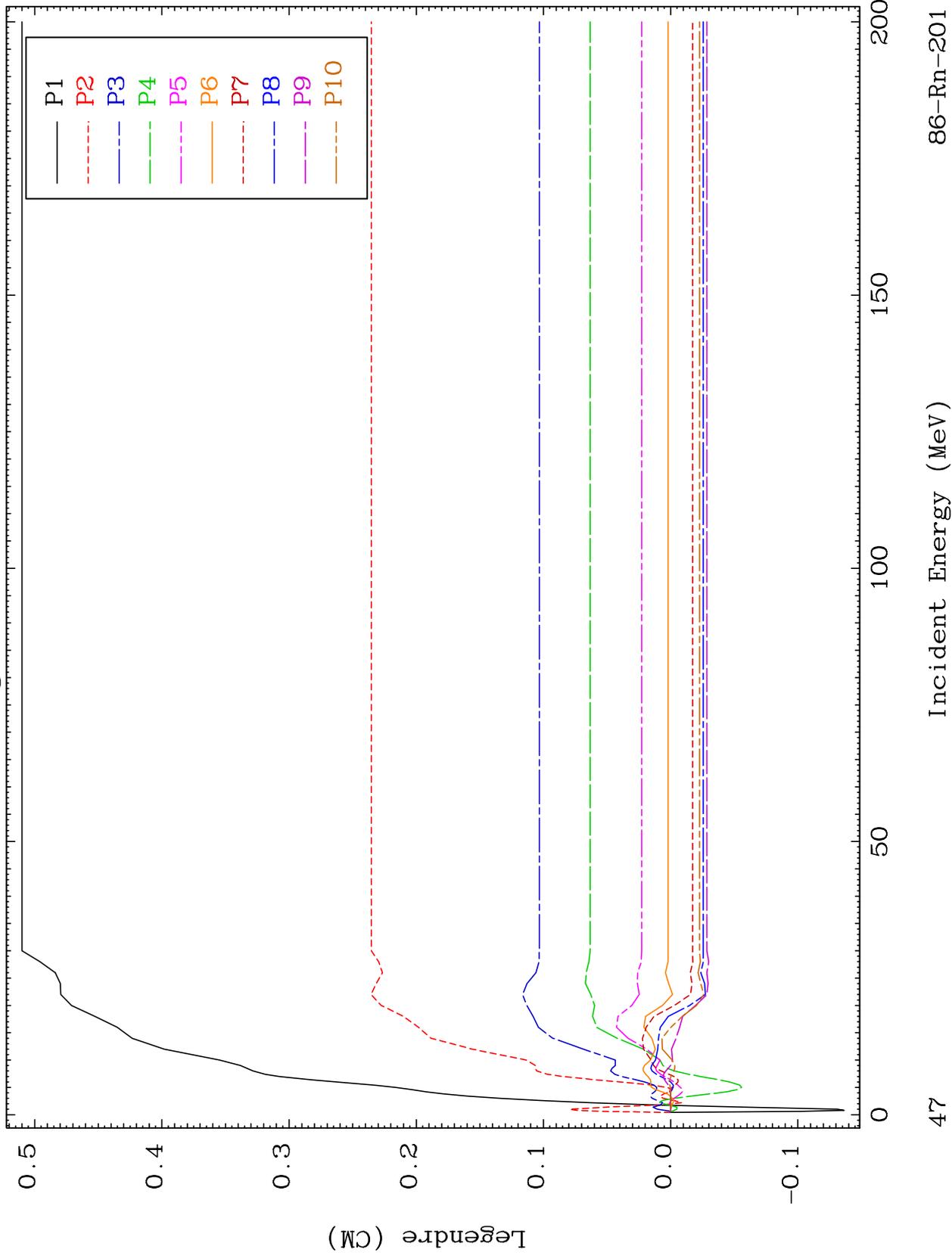
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MAT 8595

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

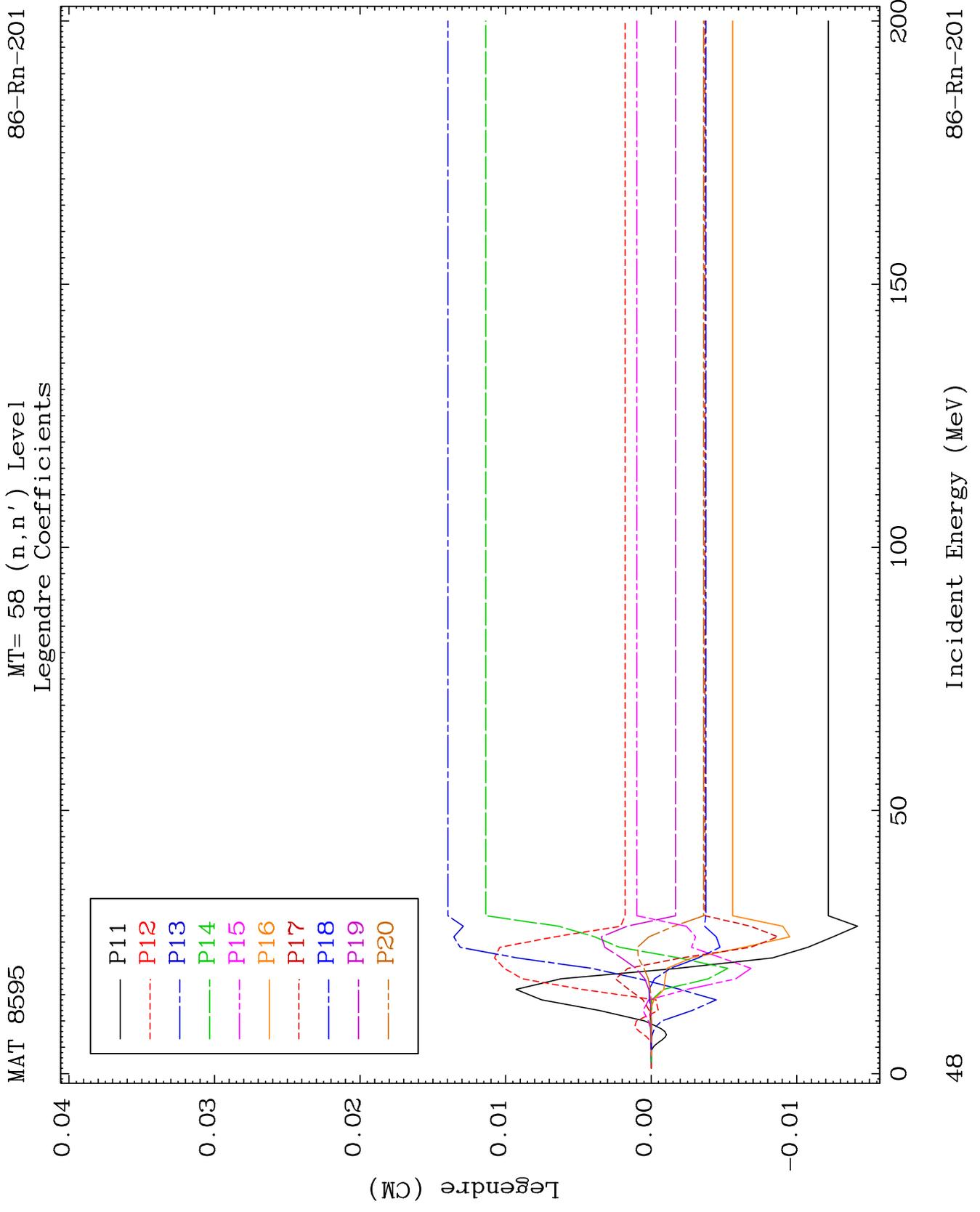
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86-Rn-201

Incident Energy (MeV)

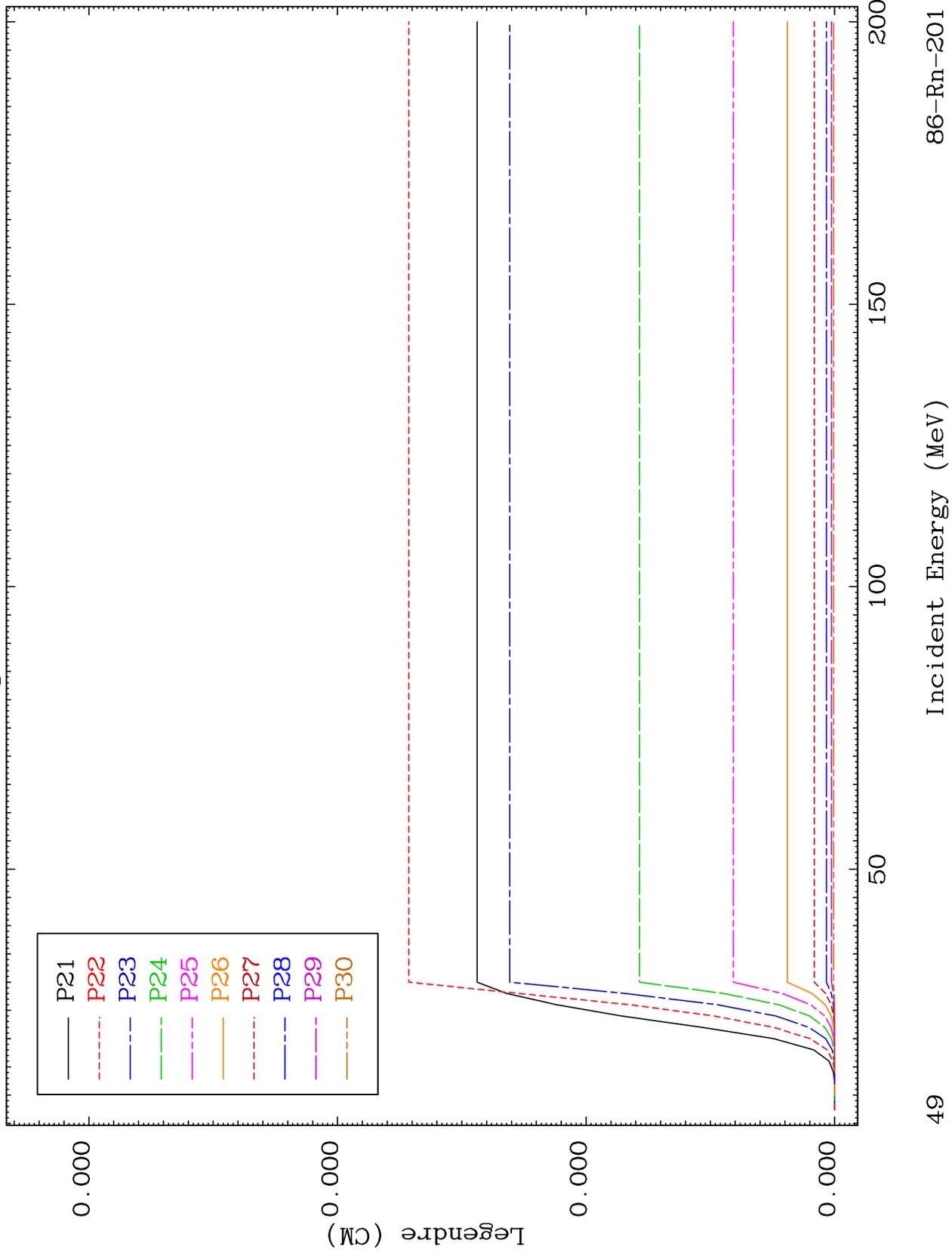
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MAT 8595

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

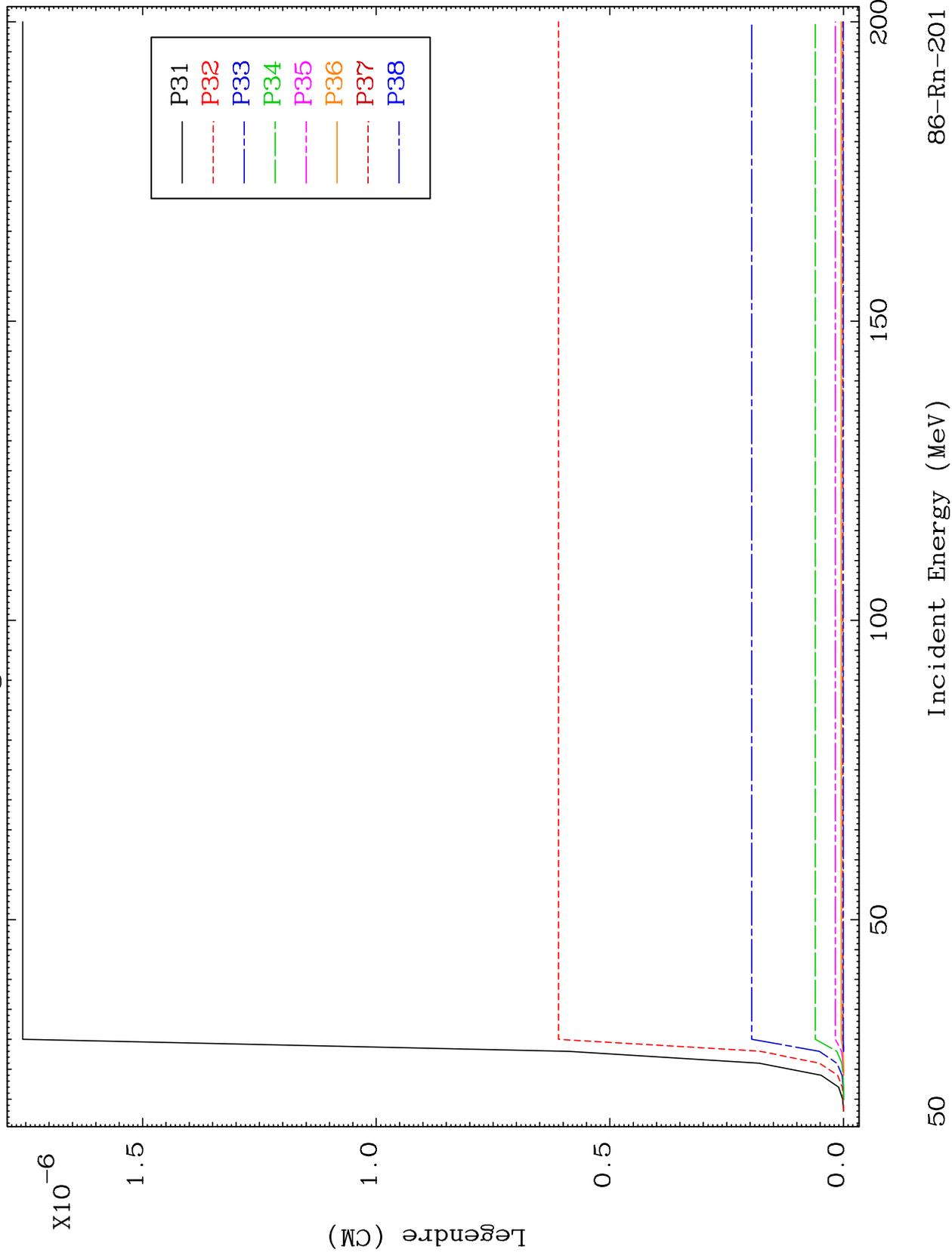
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MT= 58 (n,n') Level
Legendre Coefficients

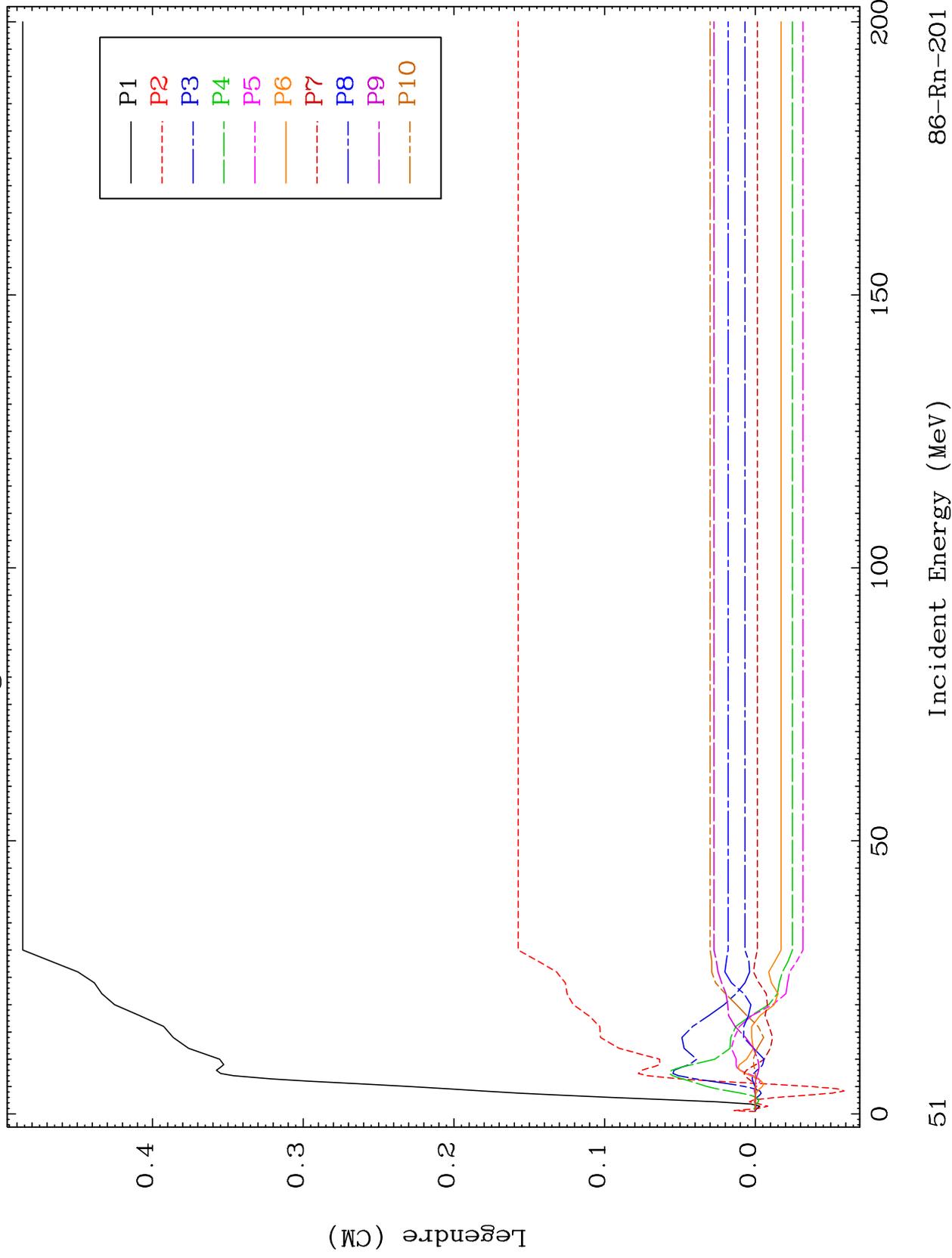
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MAT 8595

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

86-Rn-201



86-Rn-201

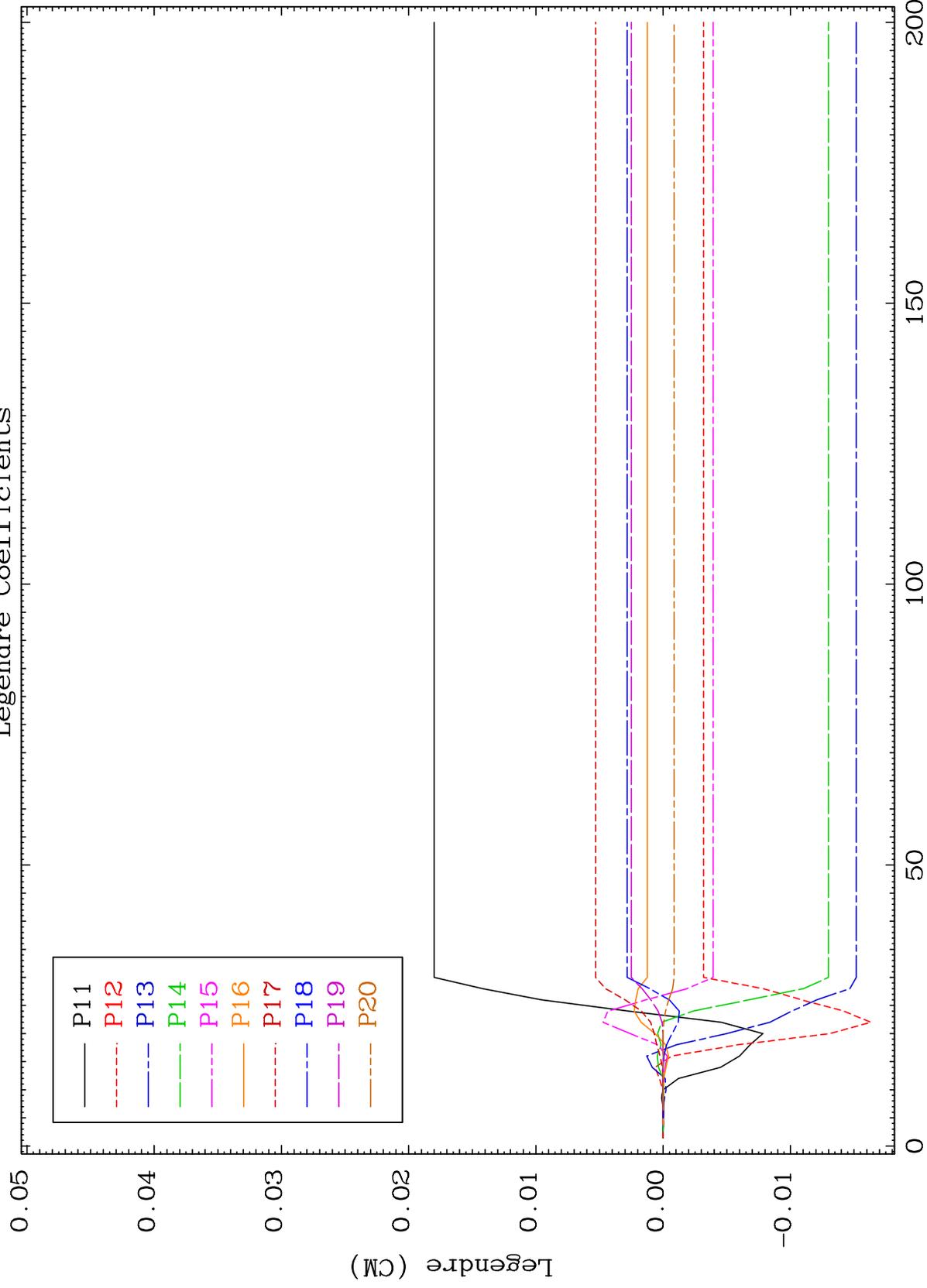
Incident Energy (MeV)

51

MAT 8595

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

86-Rn-201



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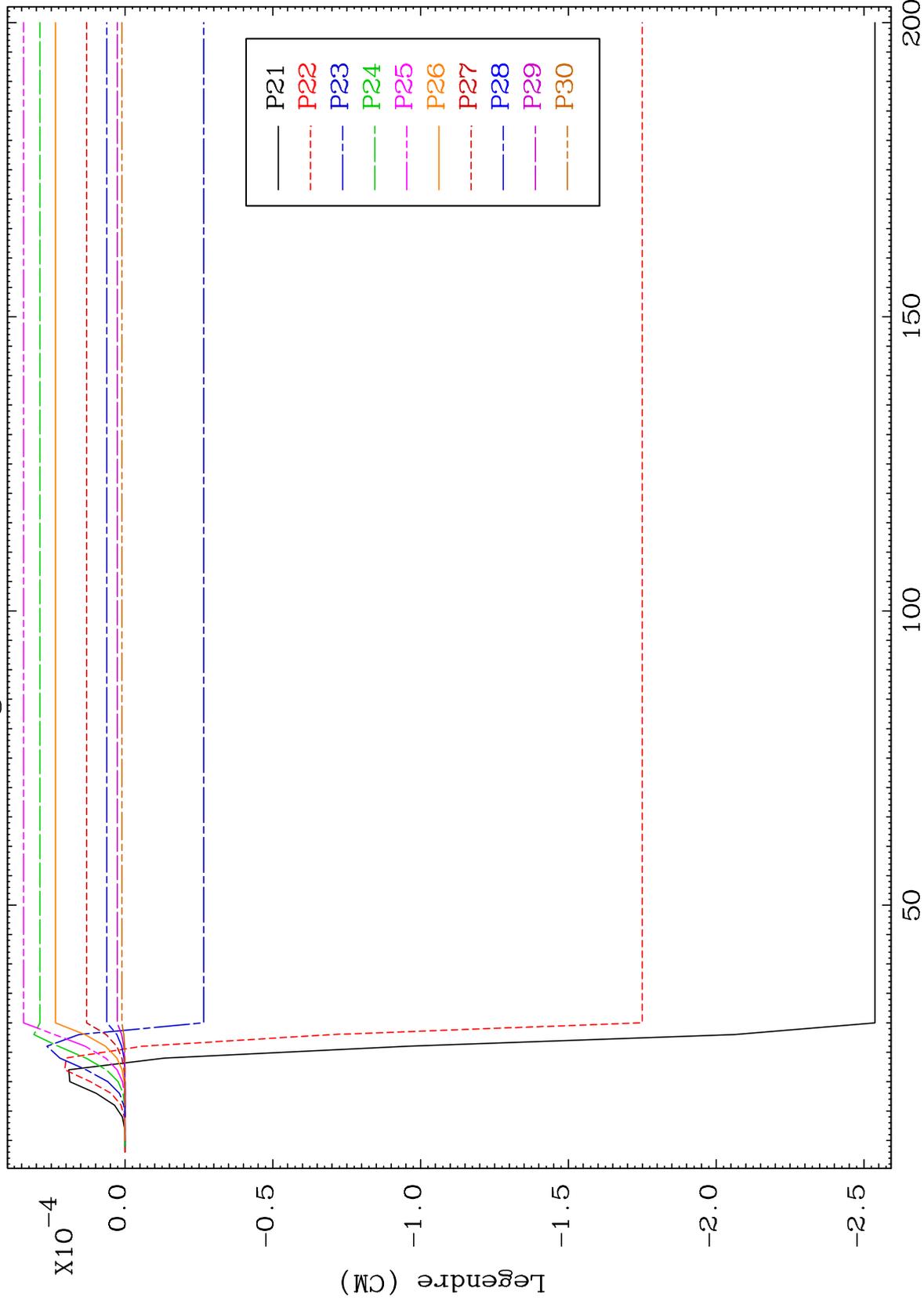
Incident Energy (MeV)

86-Rn-201

MAT 8595

86-Rn-201

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



53

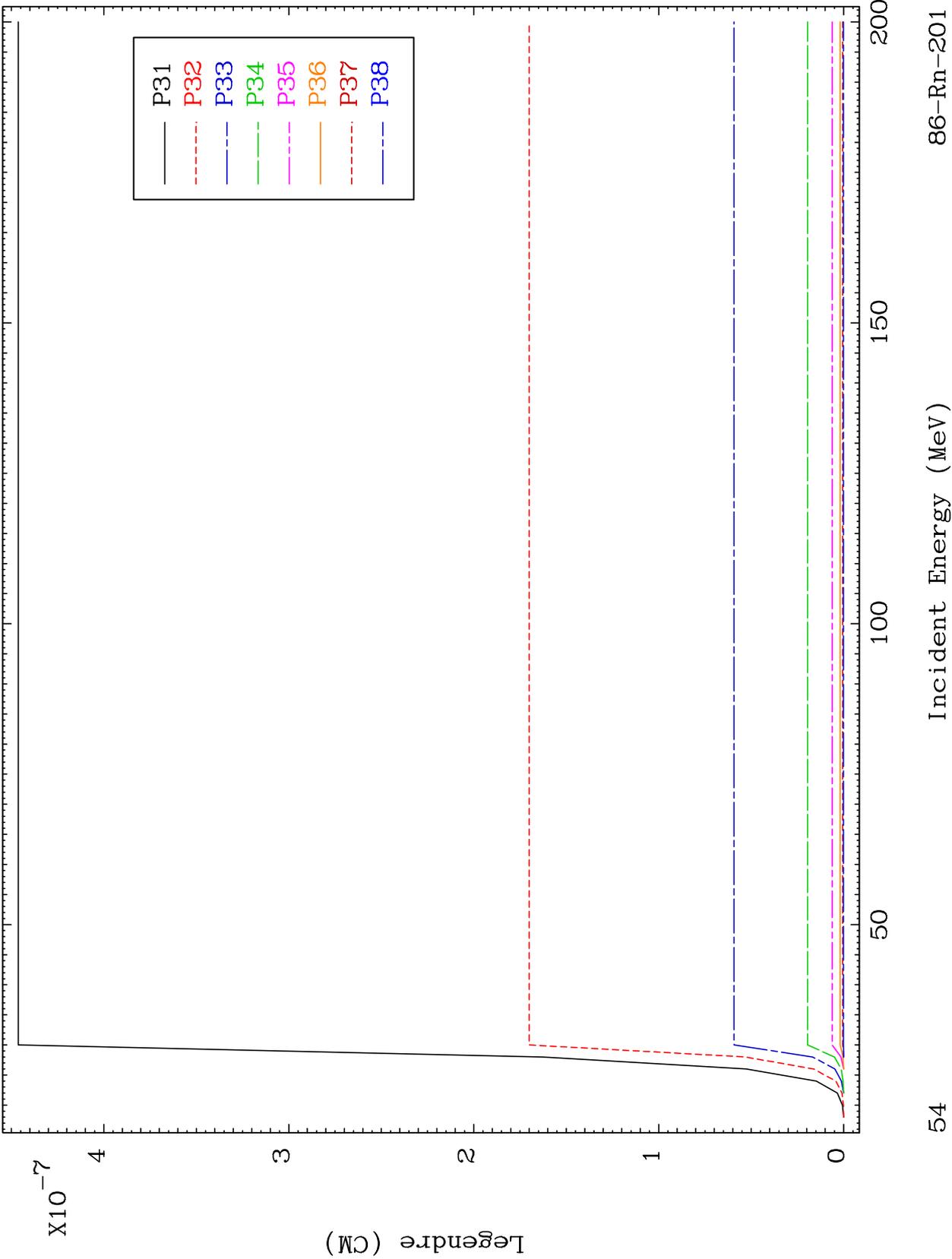
Incident Energy (MeV)

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MAT 8595

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

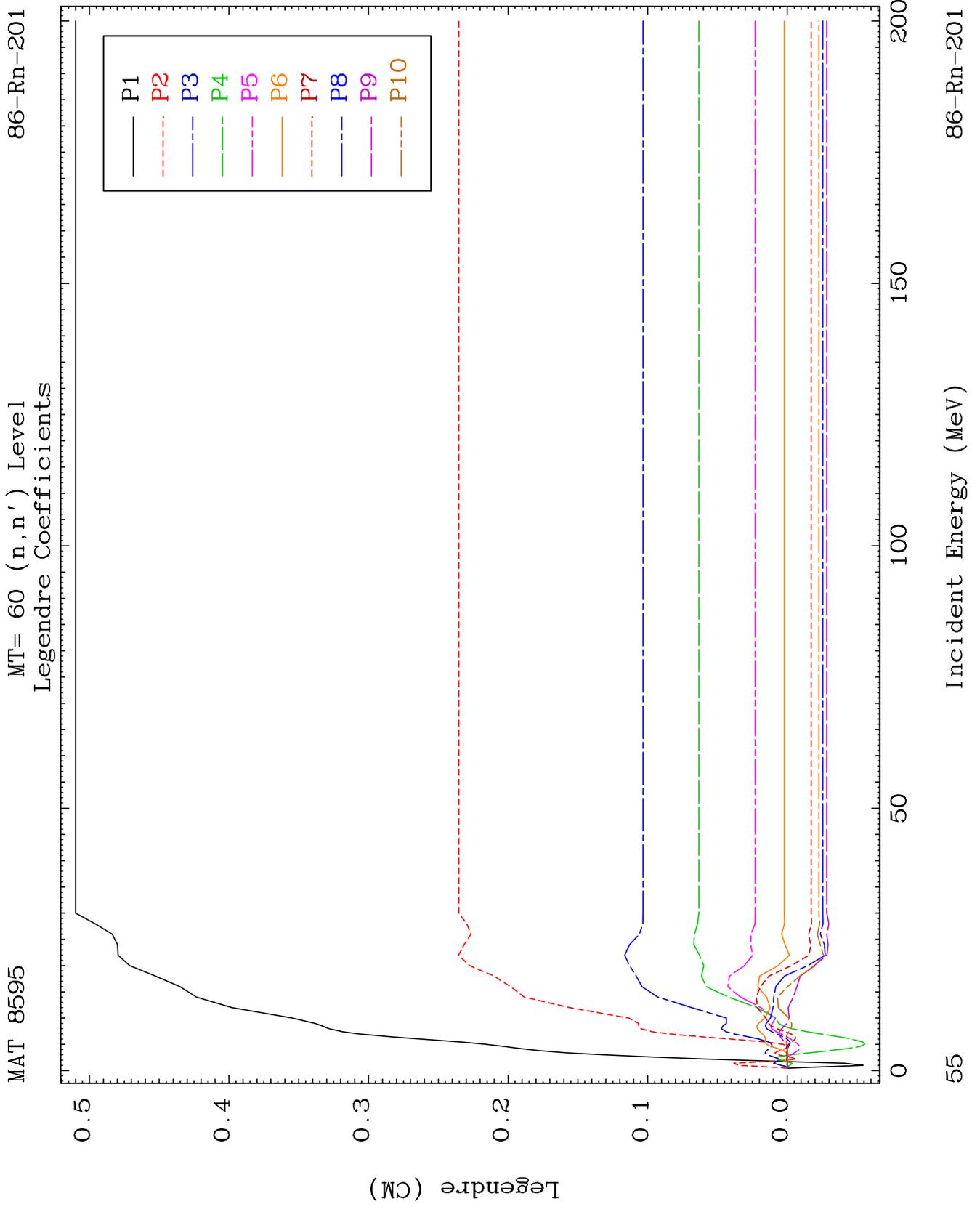
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Incident Energy (MeV)

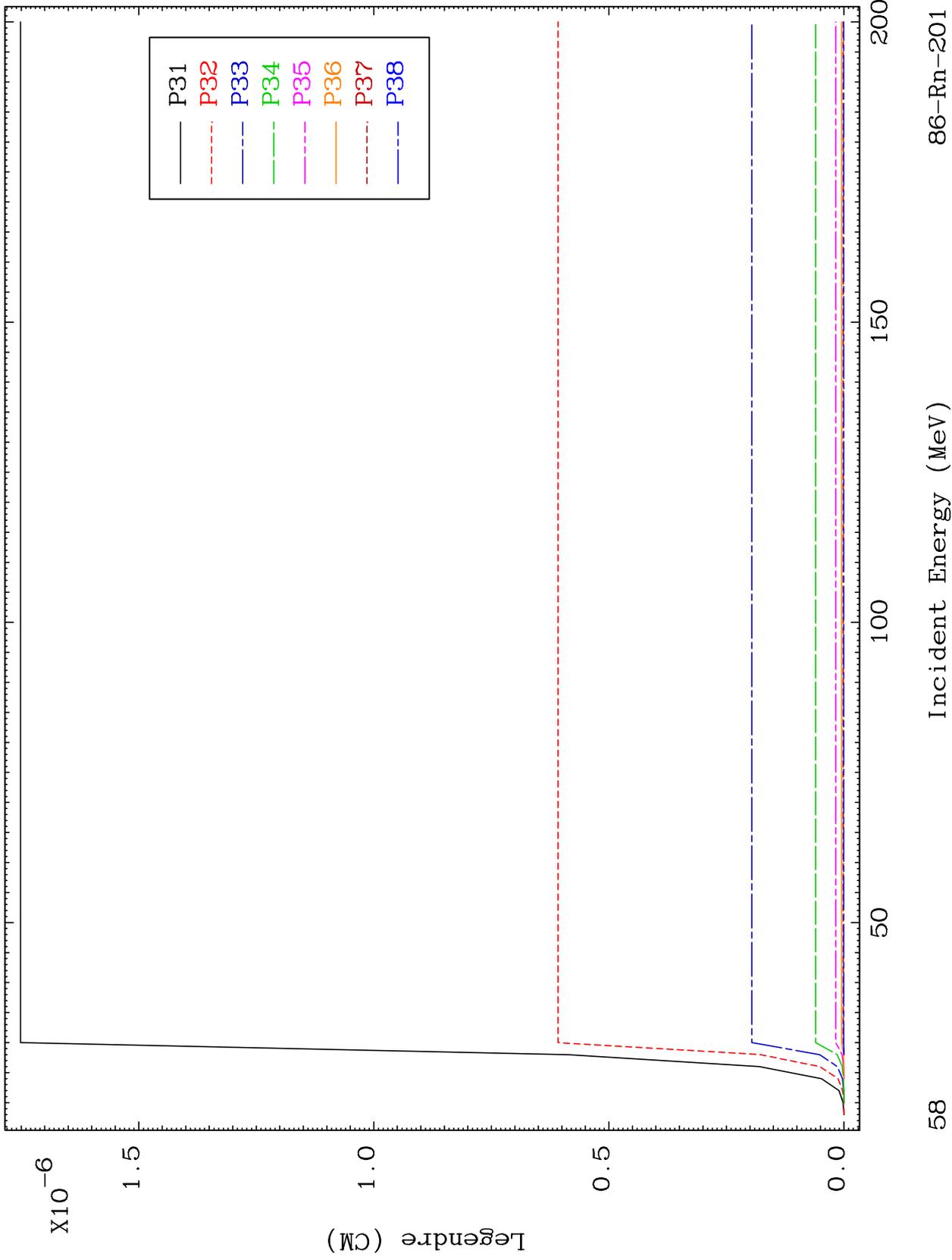
86-Rn-201



MAT 8595

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

86-Rn-201



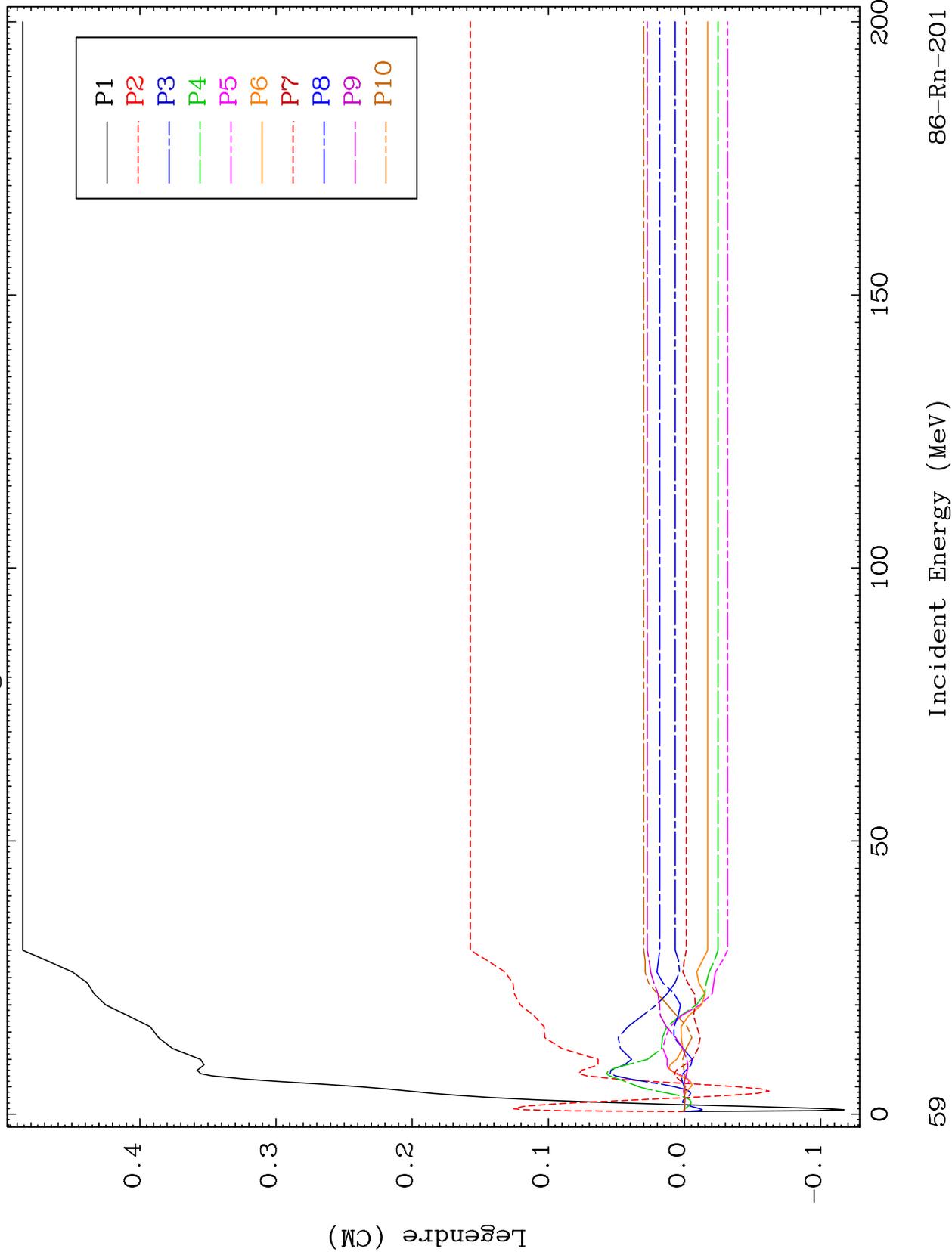
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86-Rn-201

MAT 8595

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

86-Rn-201



86-Rn-201

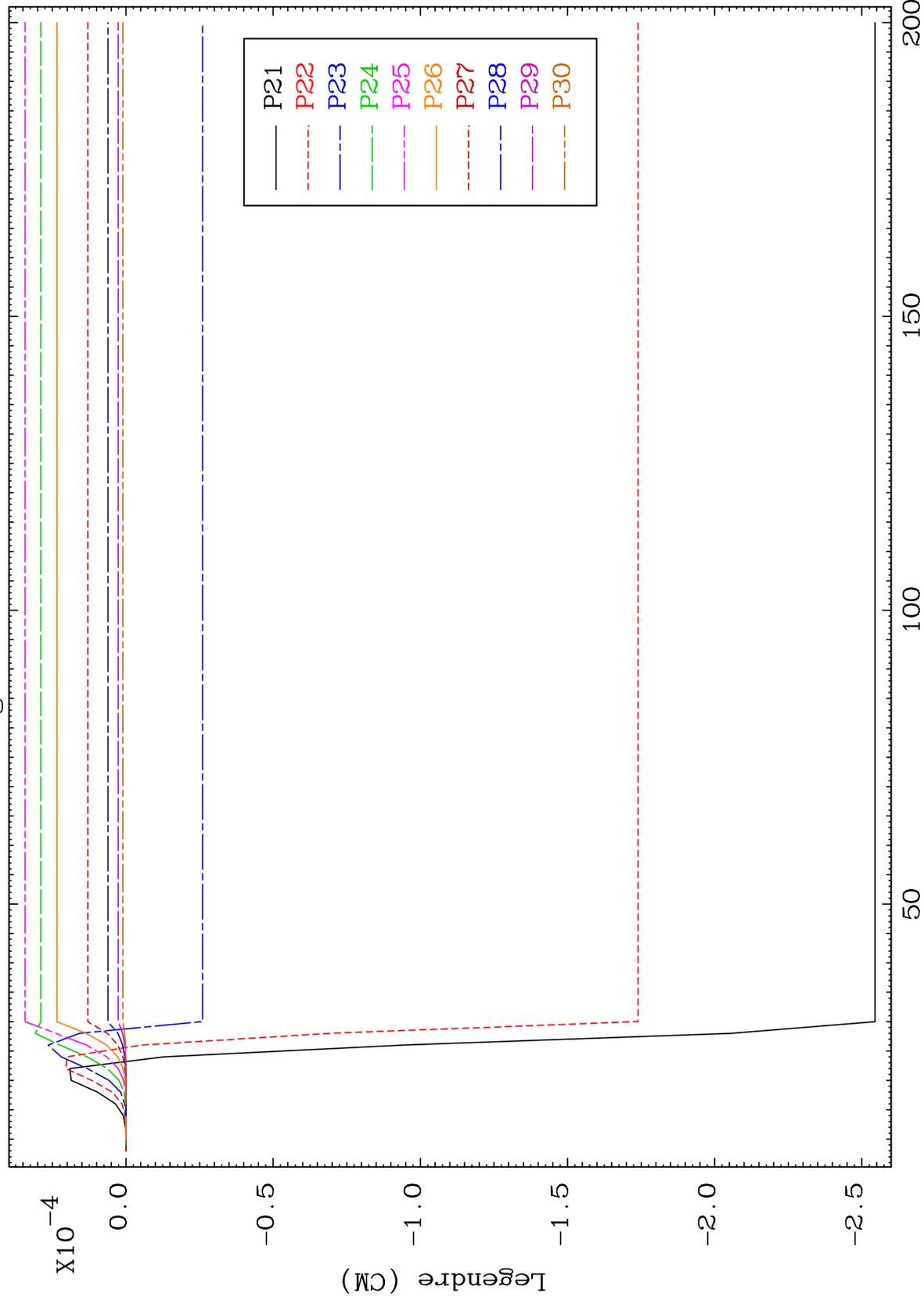
Incident Energy (MeV)

59

MAT 8595

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

86-Rn-201



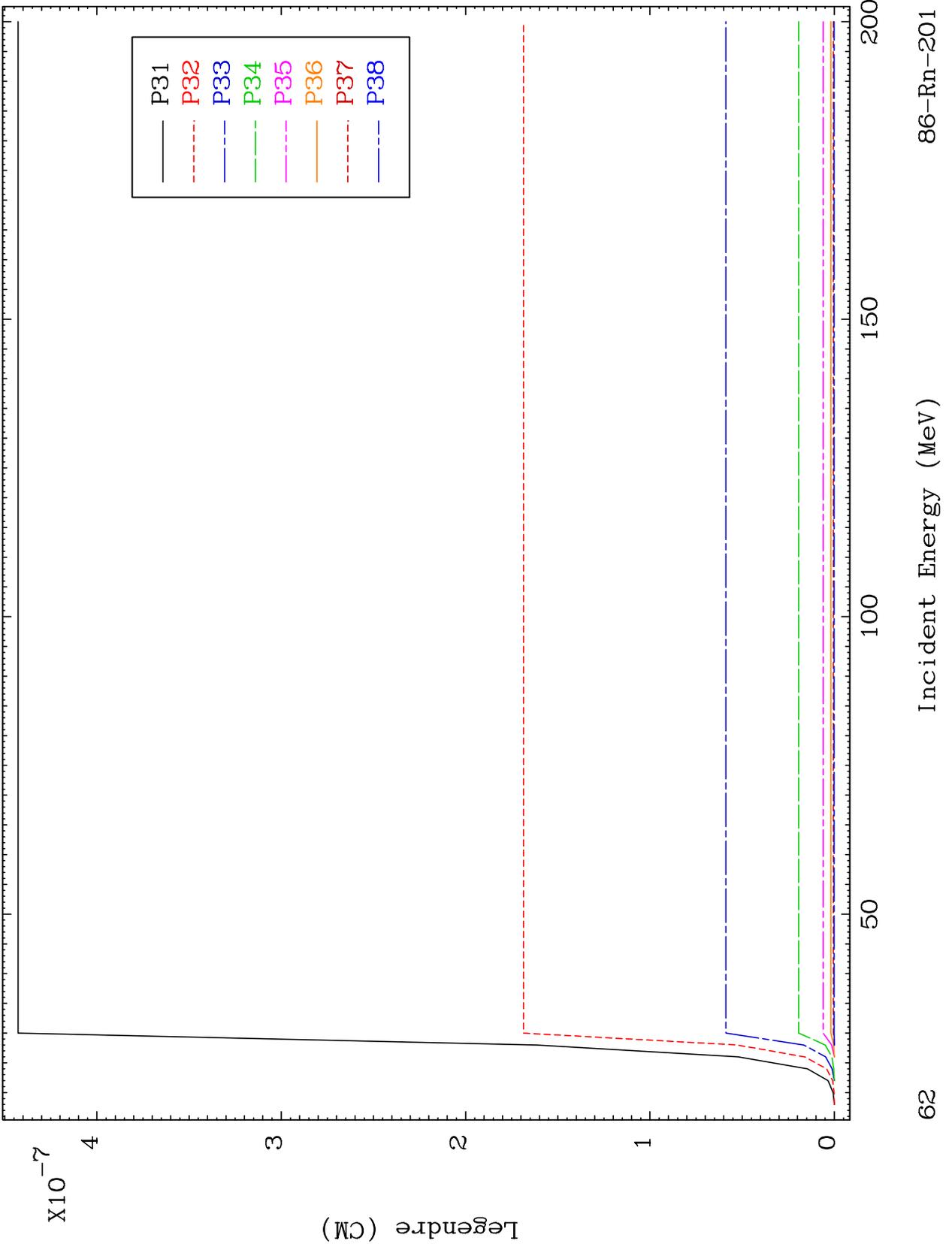
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86-Rn-201

MAT 8595

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

86-Rn-201



62

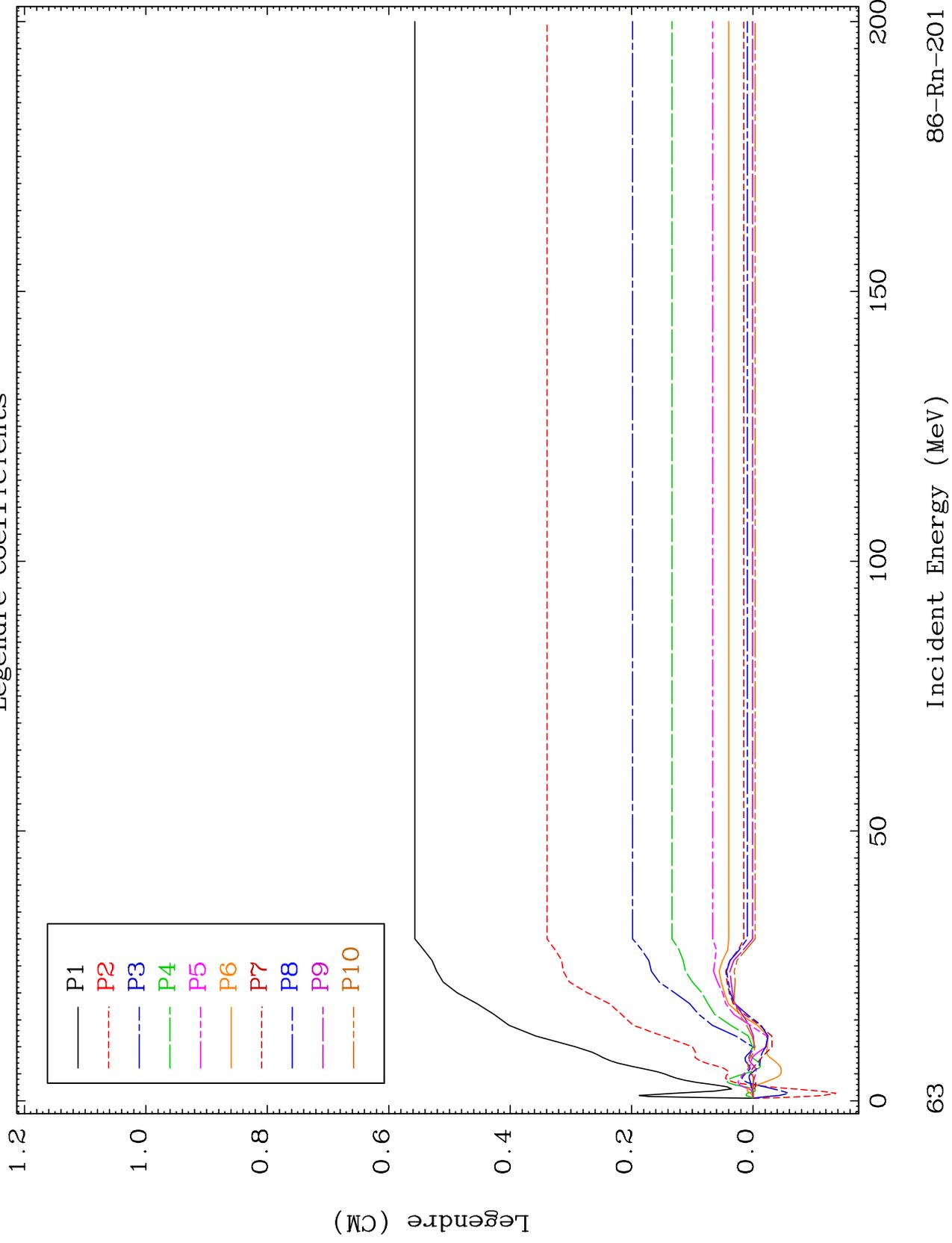
Incident Energy (MeV)

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MAT 8595

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

86-Rn-201



86-Rn-201

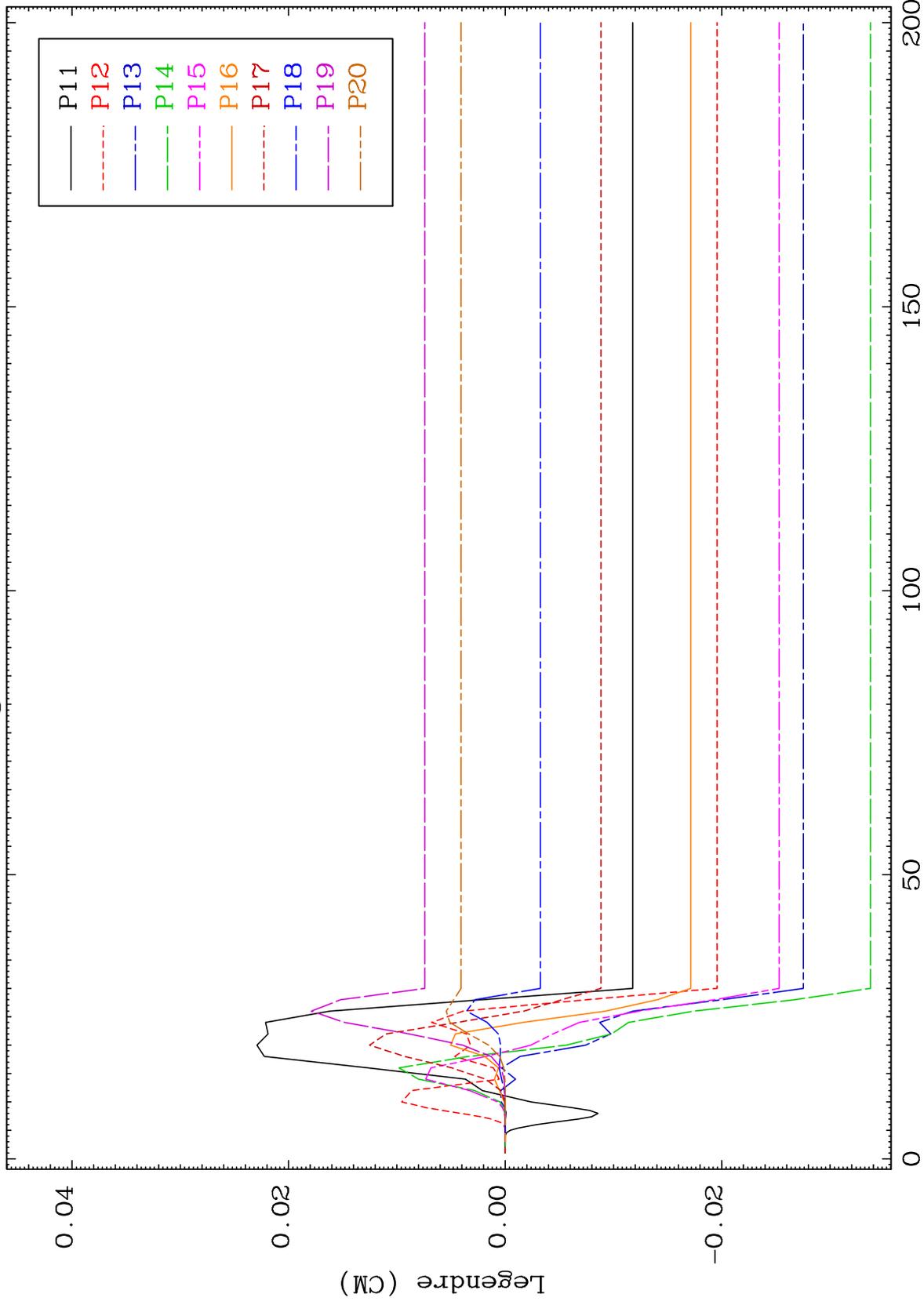
Incident Energy (MeV)

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MAT 8595

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

86-Rn-201



64

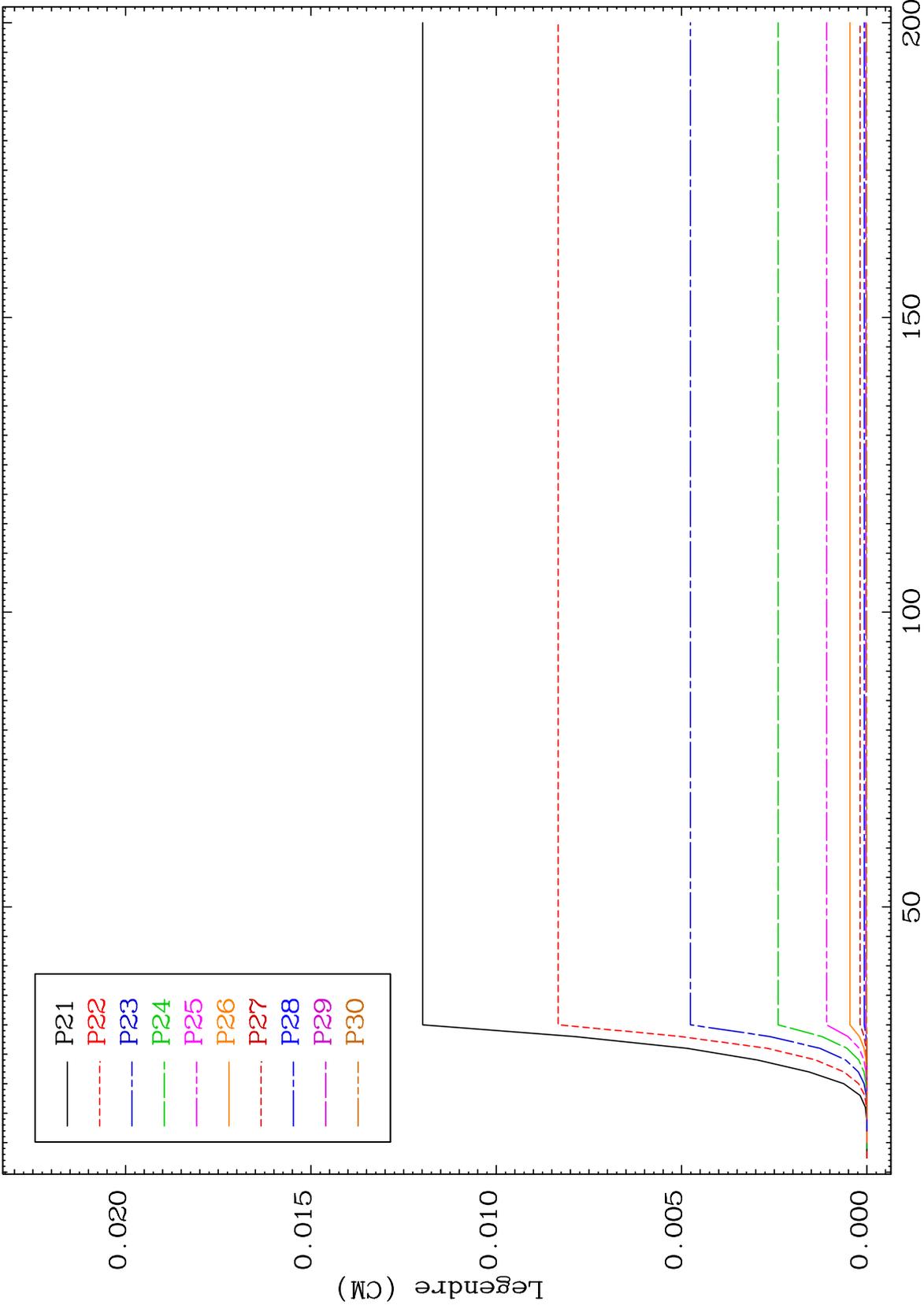
Incident Energy (MeV)

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MAT 8595

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

86-Rn-201



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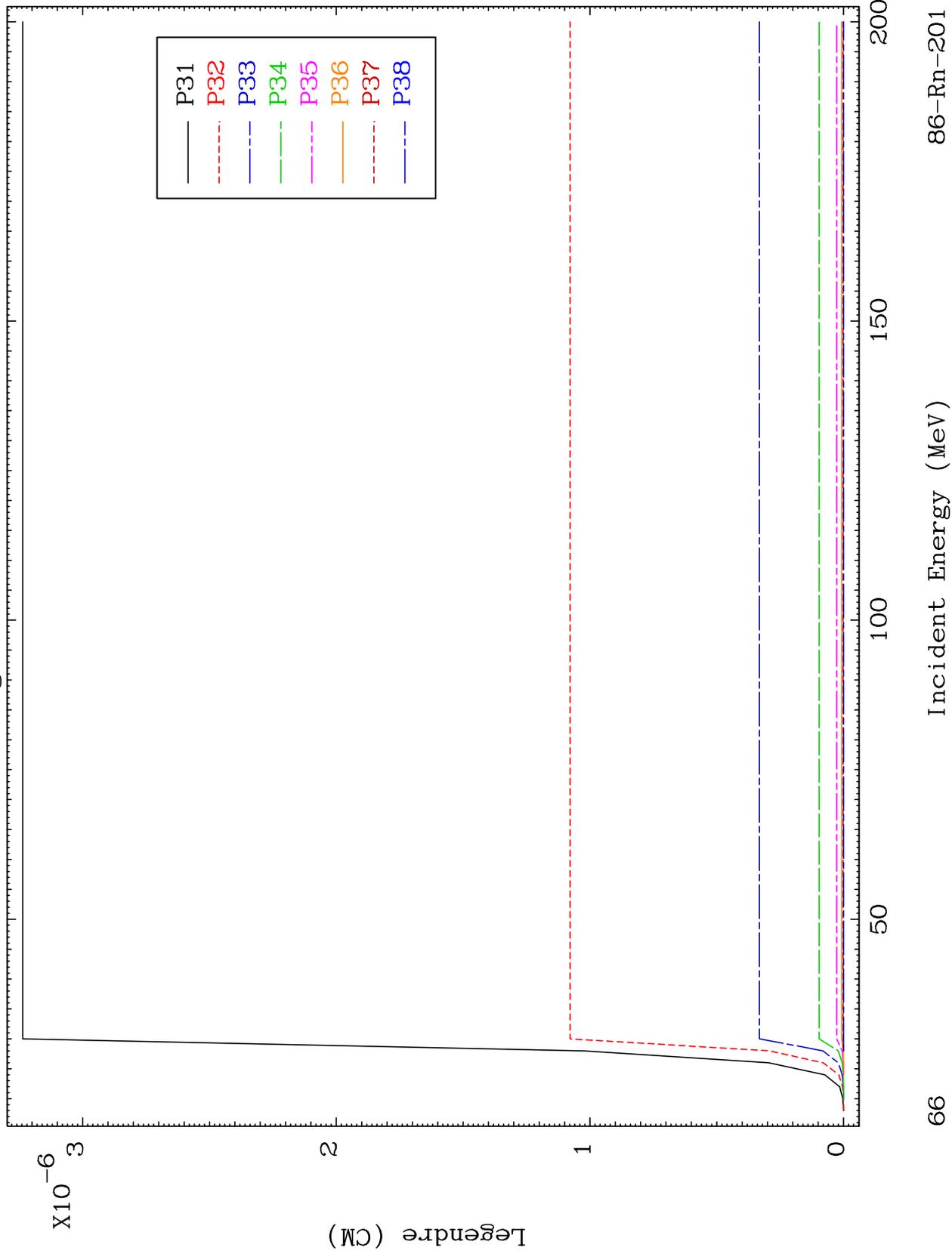
Incident Energy (MeV)

86-Rn-201

MAT 8595

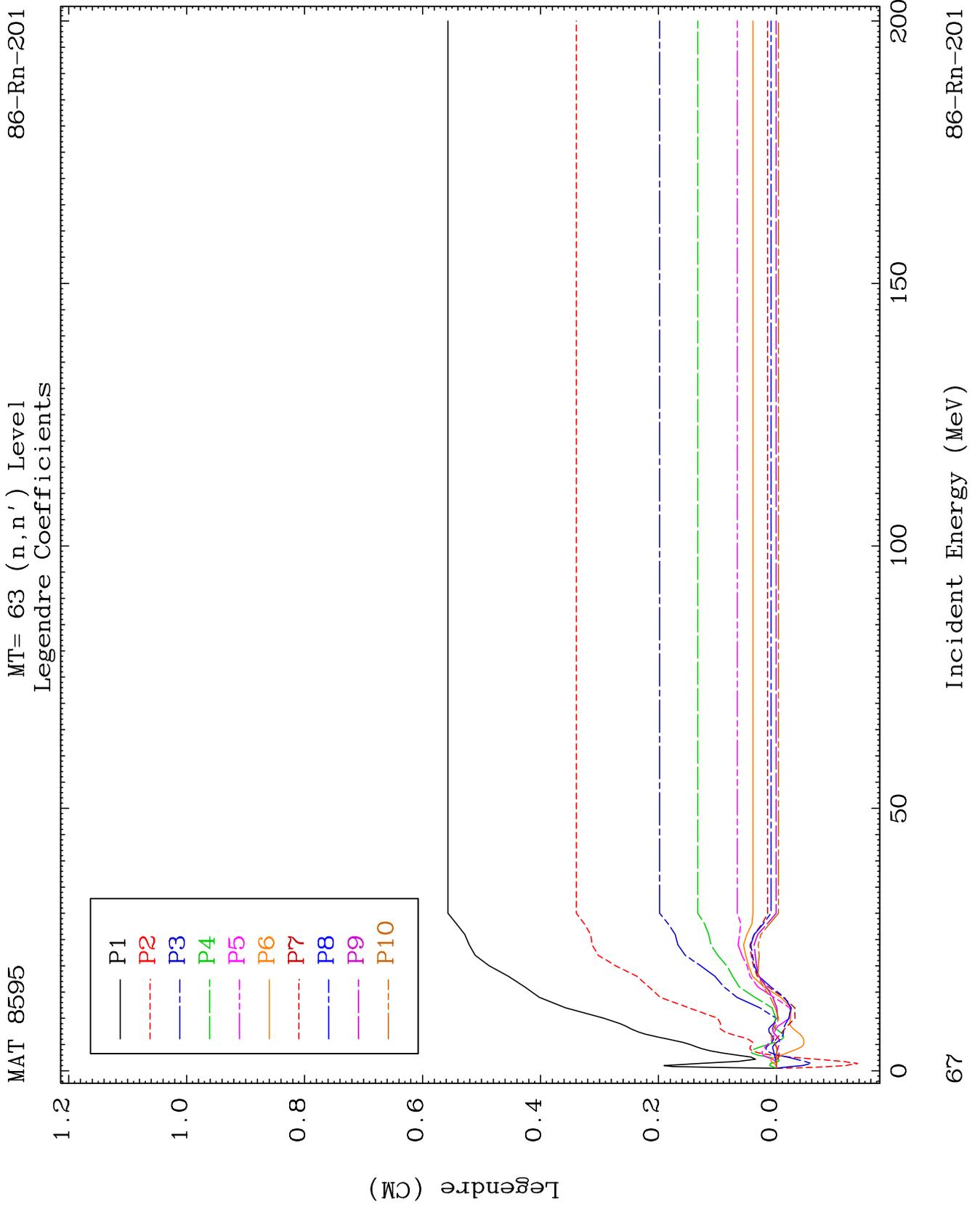
MT= 62 (n,n') Level
Legendre Coefficients

86-Rn-201



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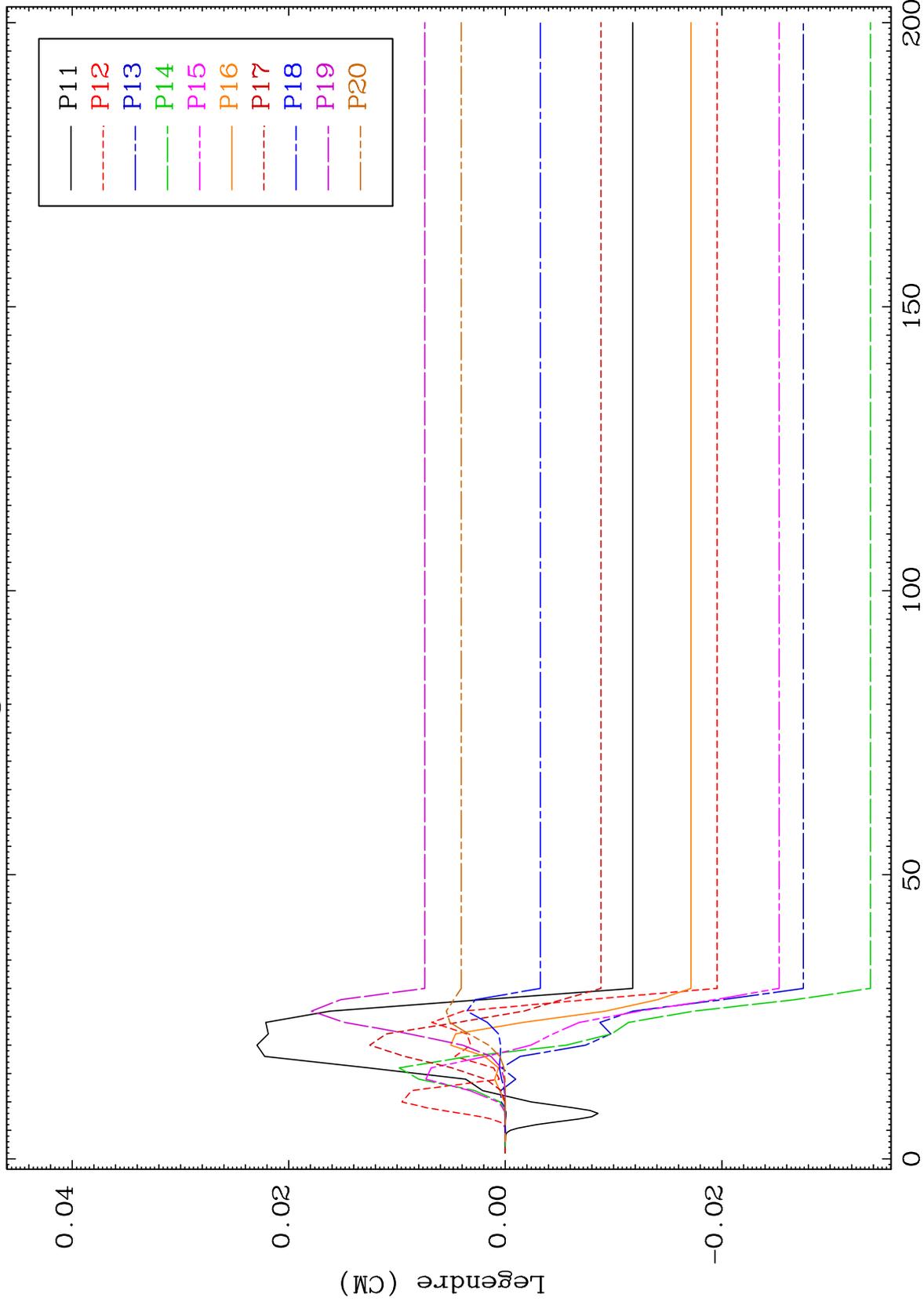
86-Rn-201



MAT 8595

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

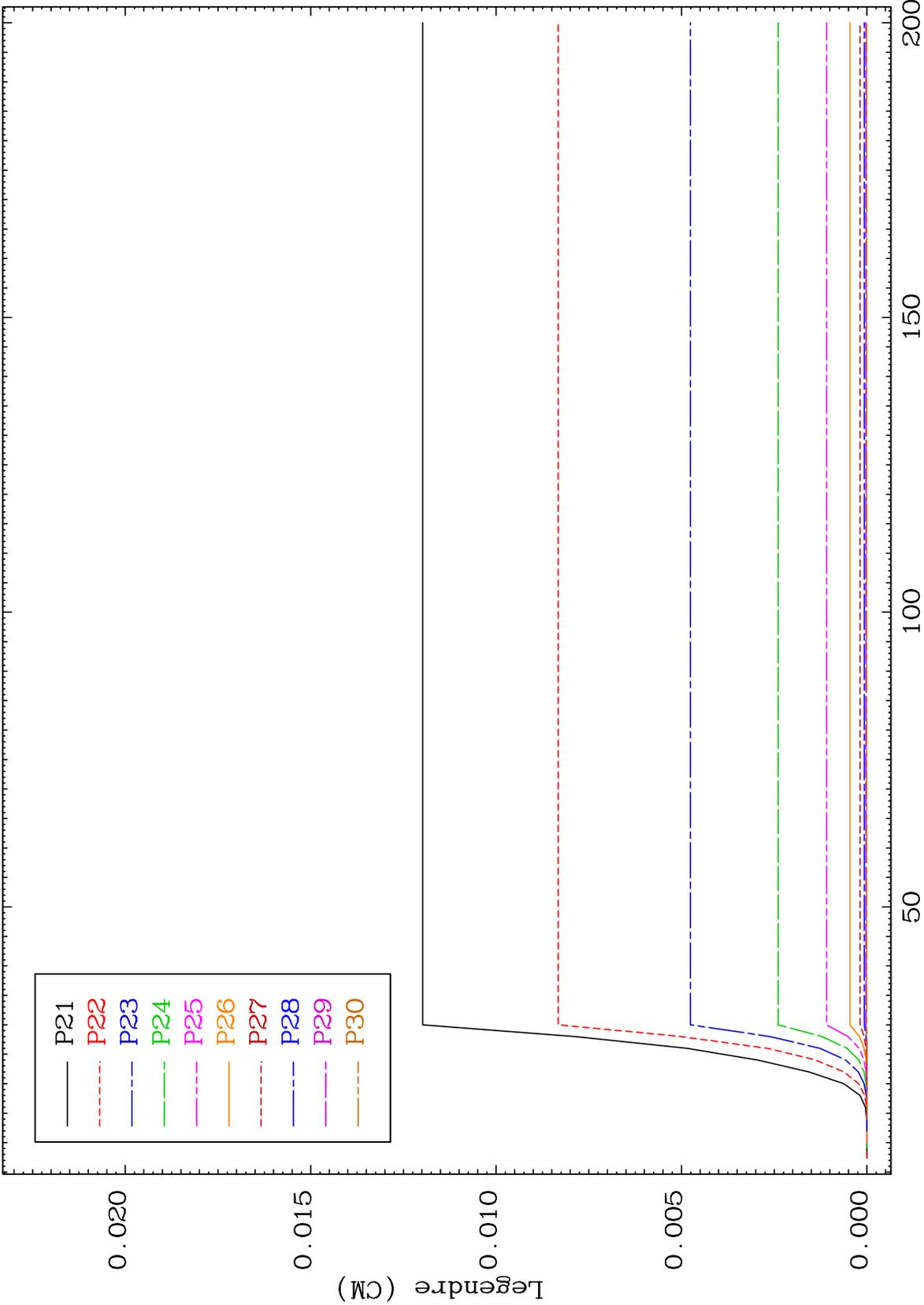
86-Rn-201



68

Incident Energy (MeV)

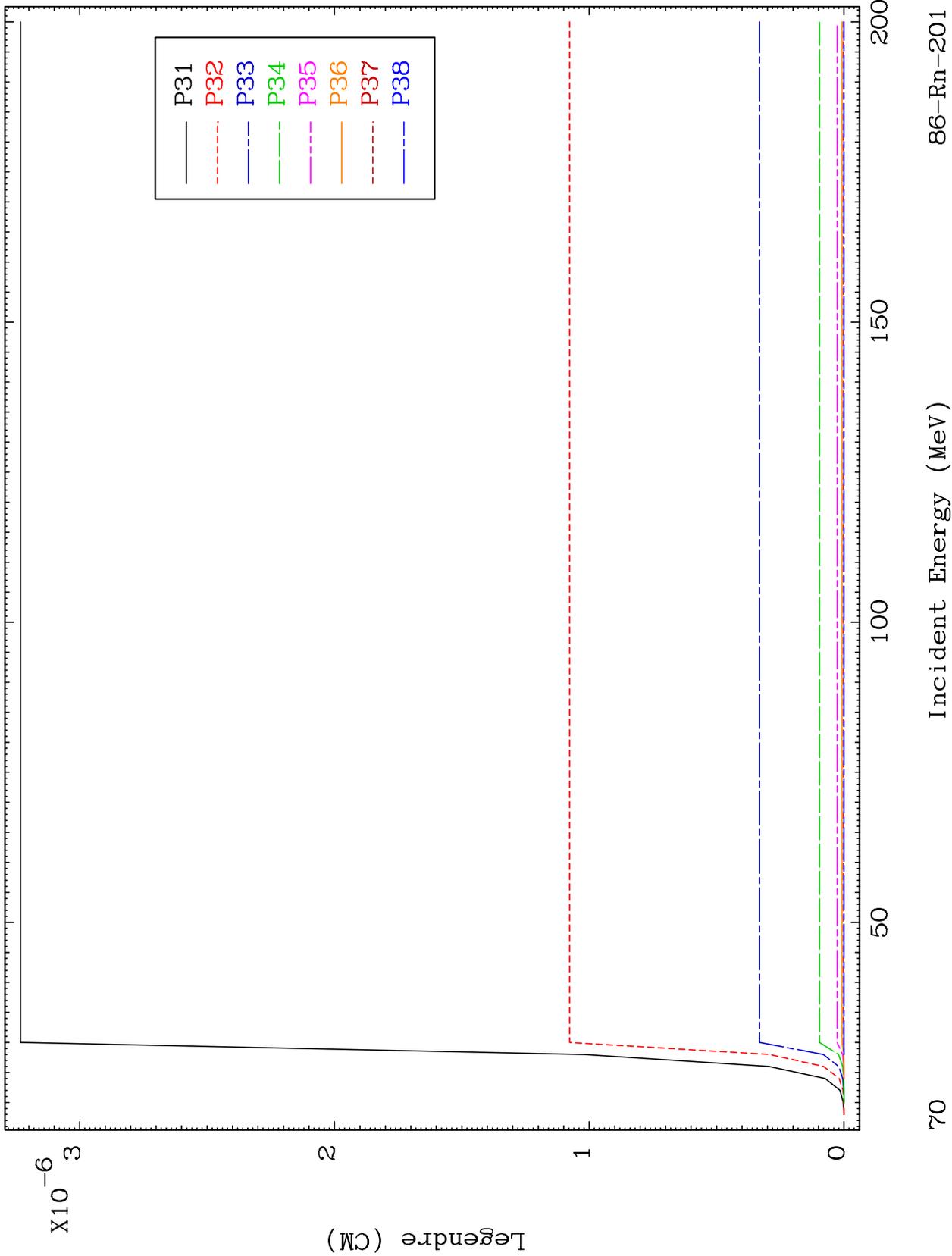
86-Rn-201

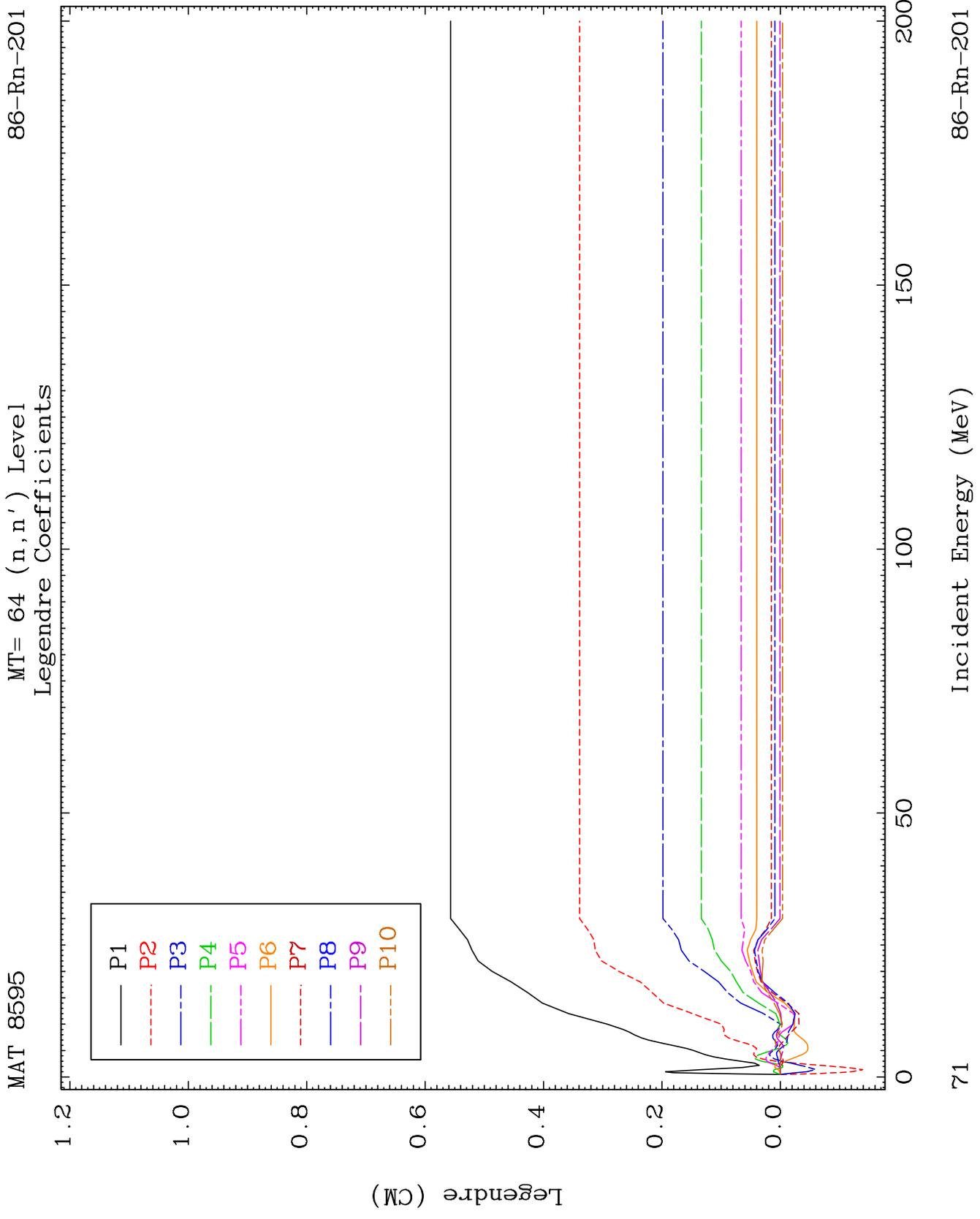


MAT 8595

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

86-Rn-201

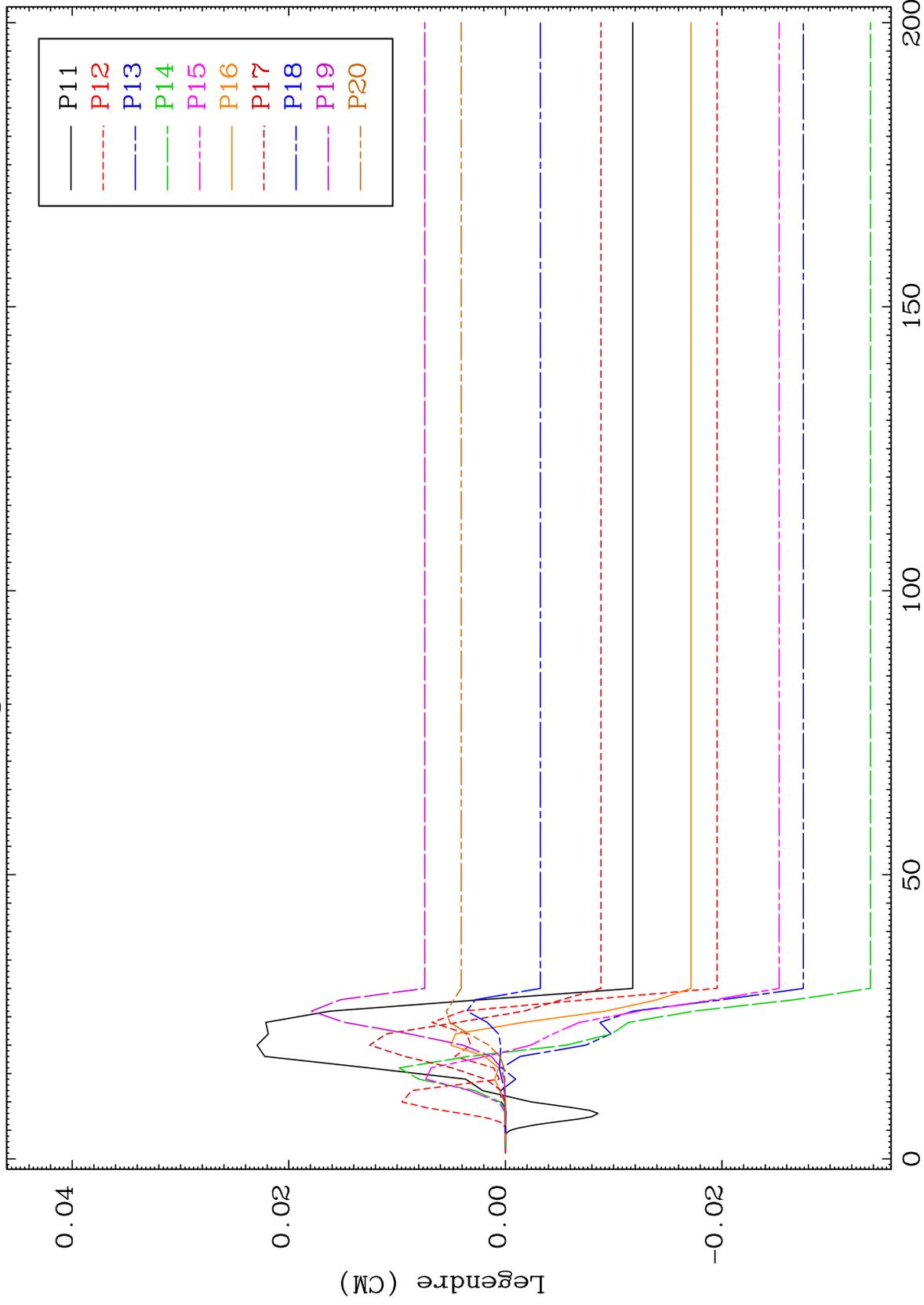




MAT 8595

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

86-Rn-201



72

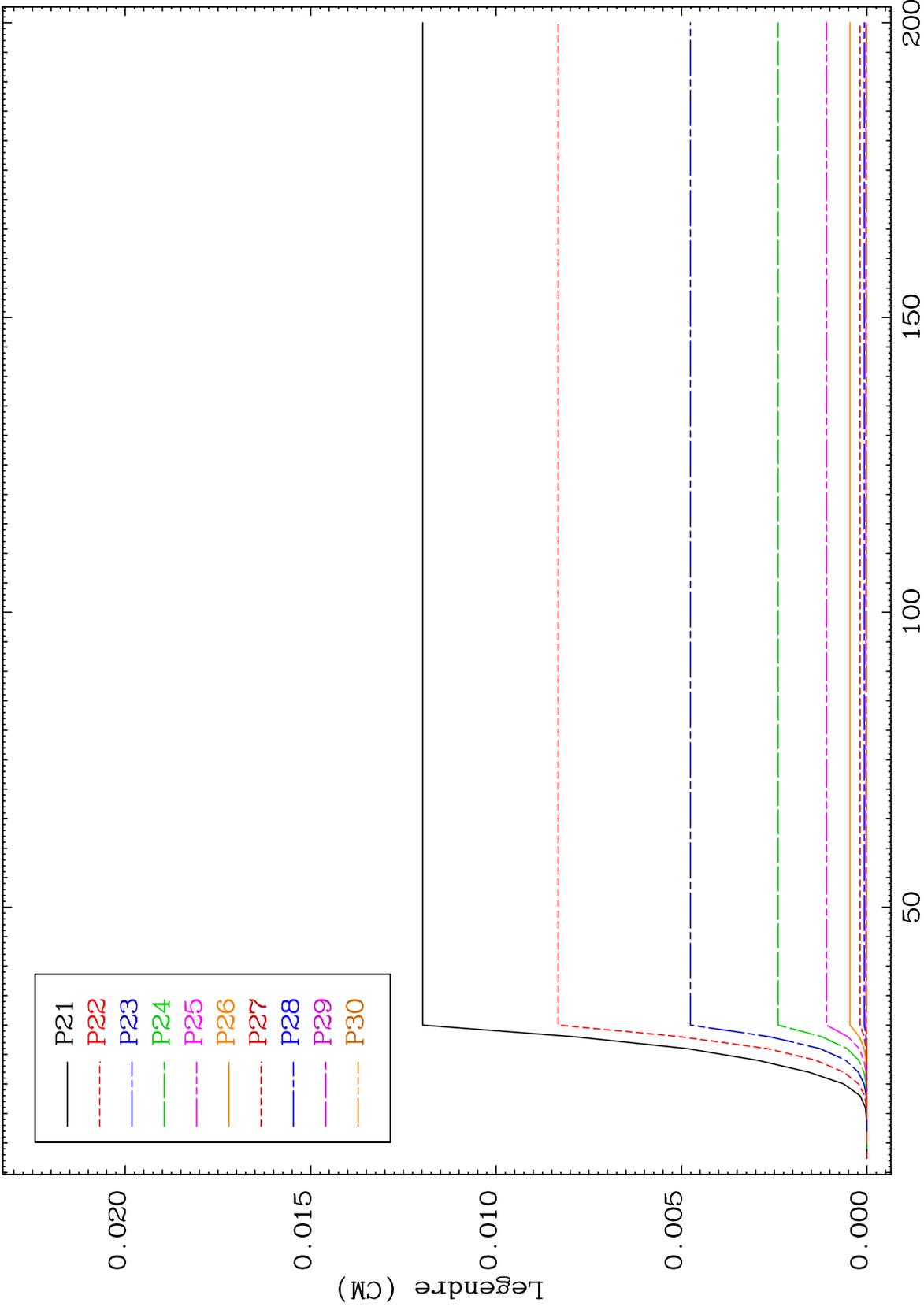
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



73

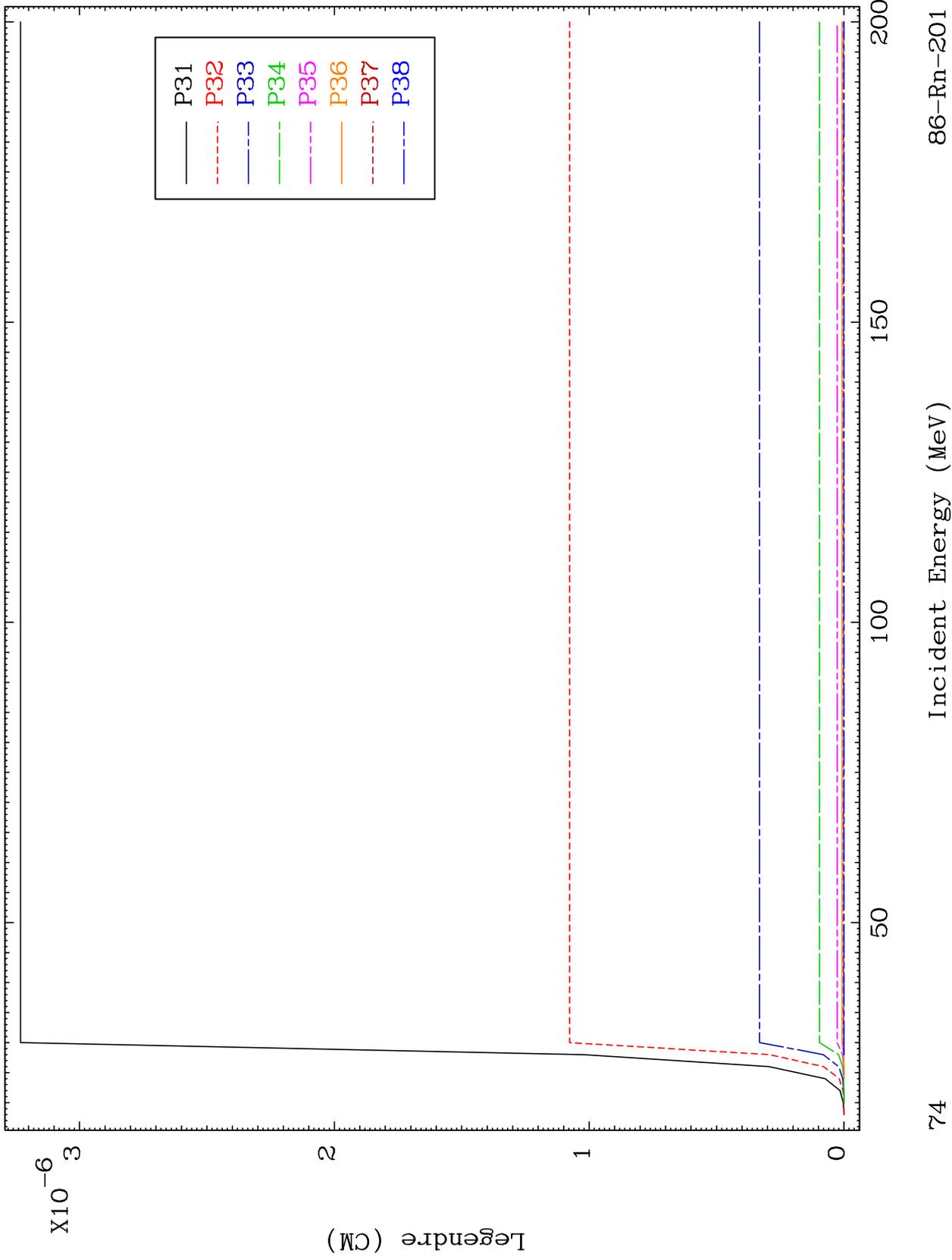
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

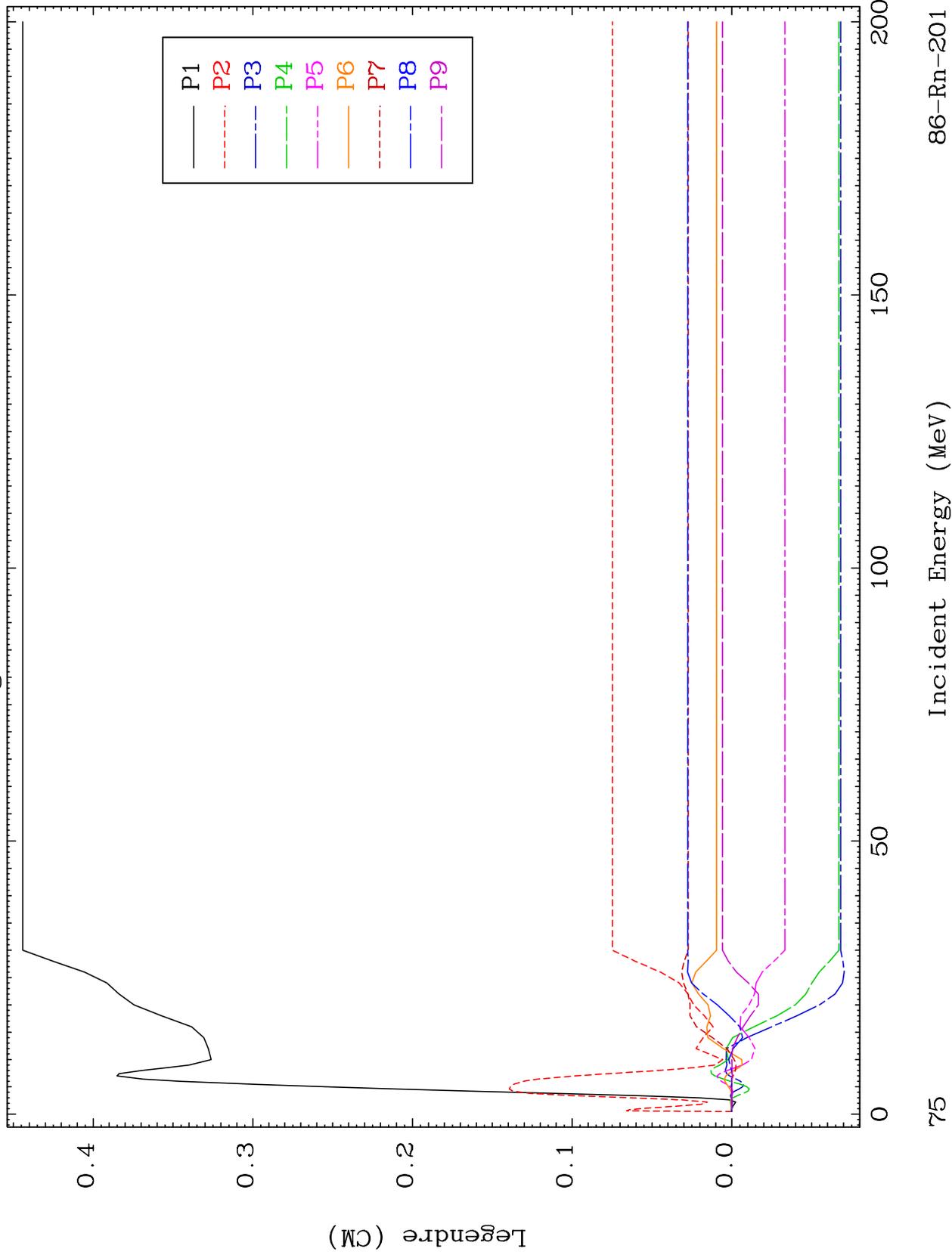
86-Rn-201



MAT 8595

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

86-Rn-201



86-Rn-201

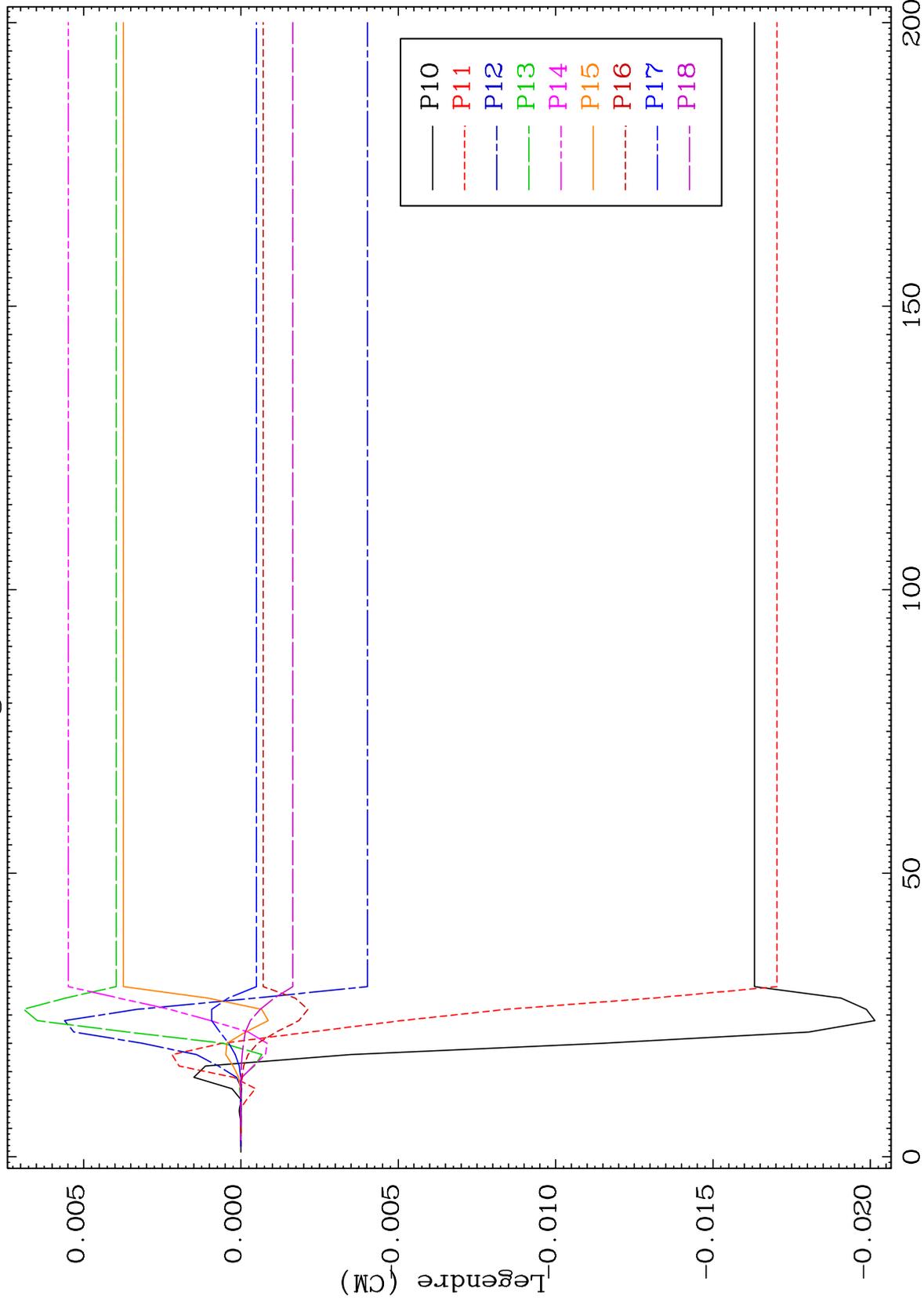
Incident Energy (MeV)

75

MAT 8595

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

86-Rn-201



76

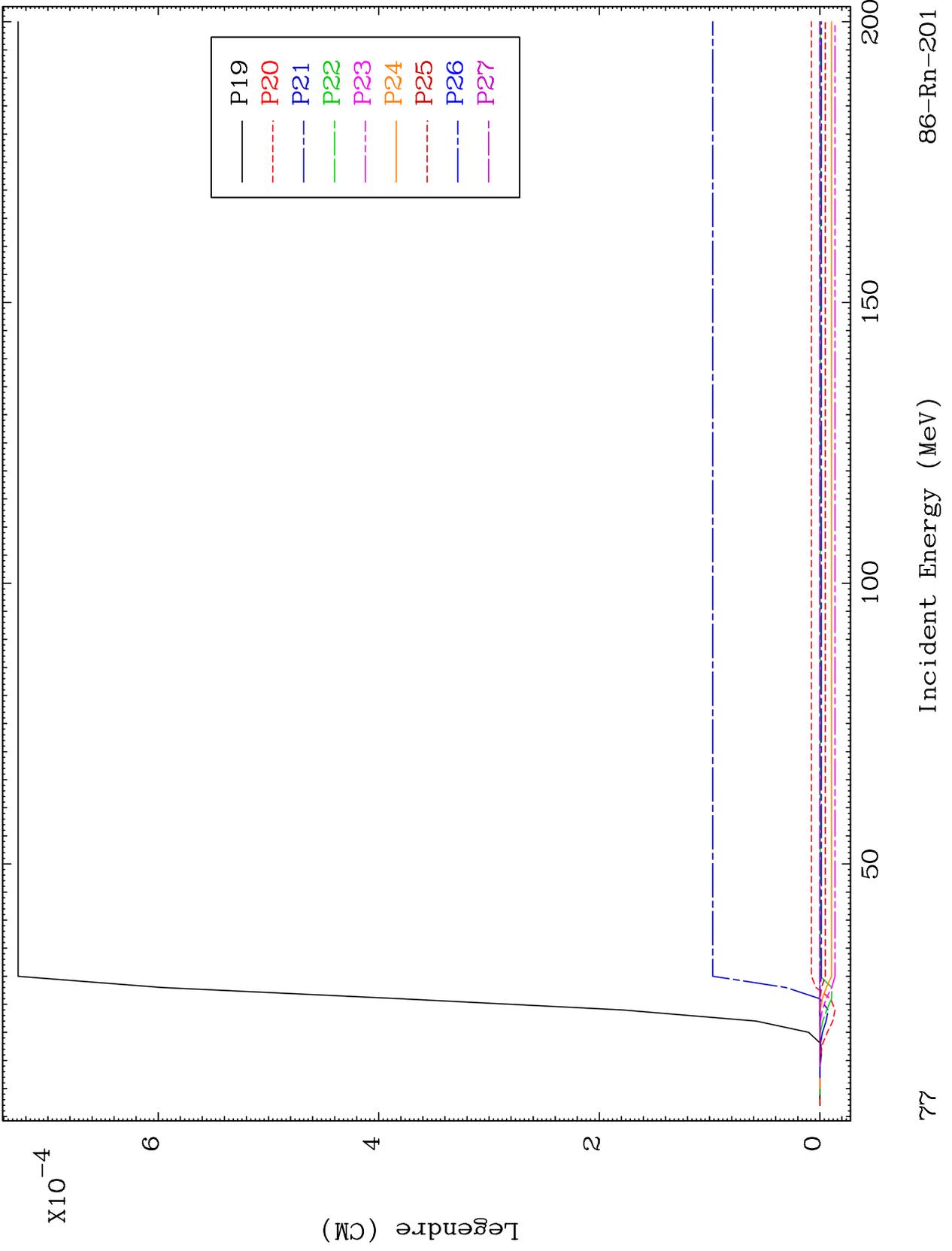
Incident Energy (MeV)

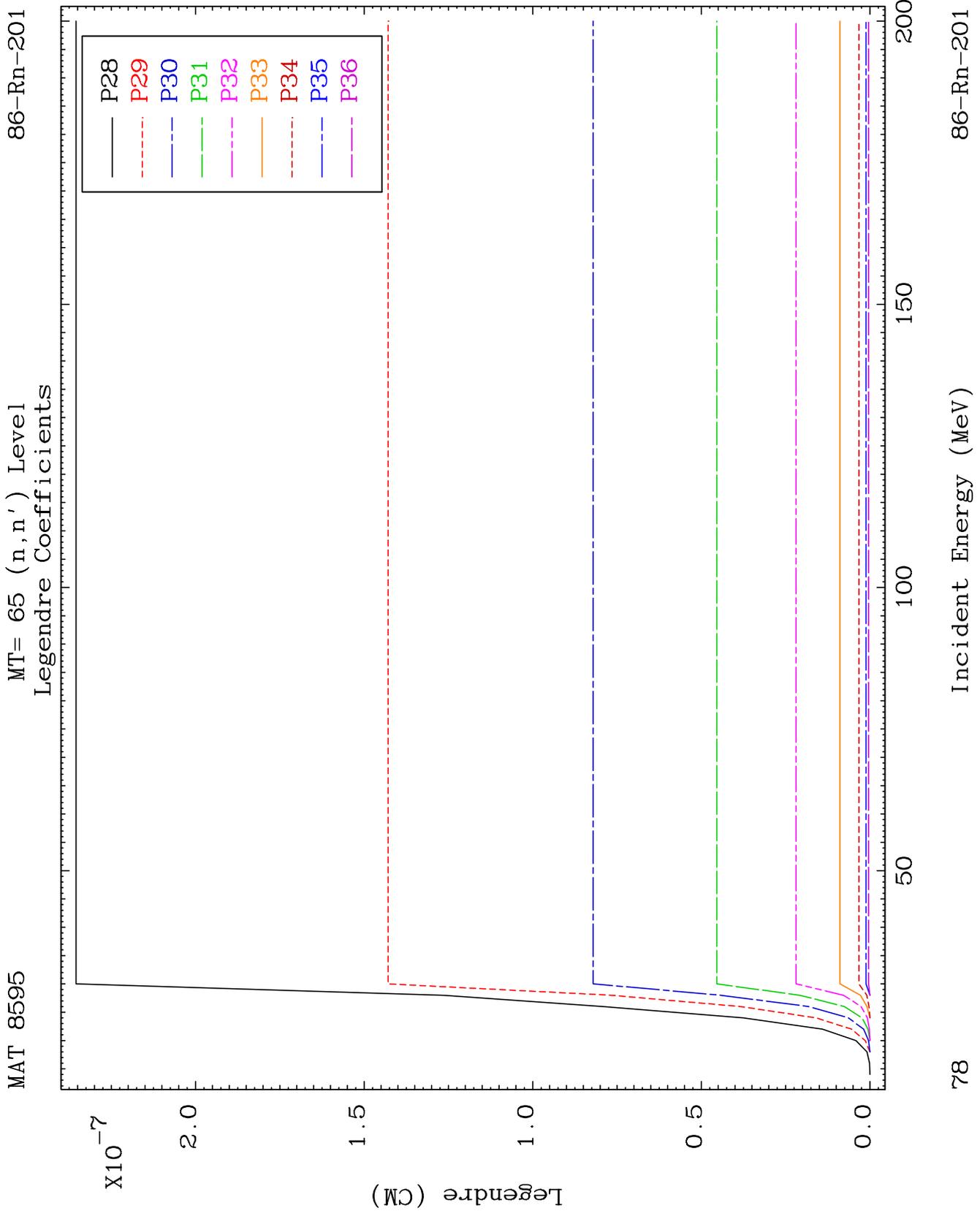
86-Rn-201

MAT 8595

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

86-Rn-201

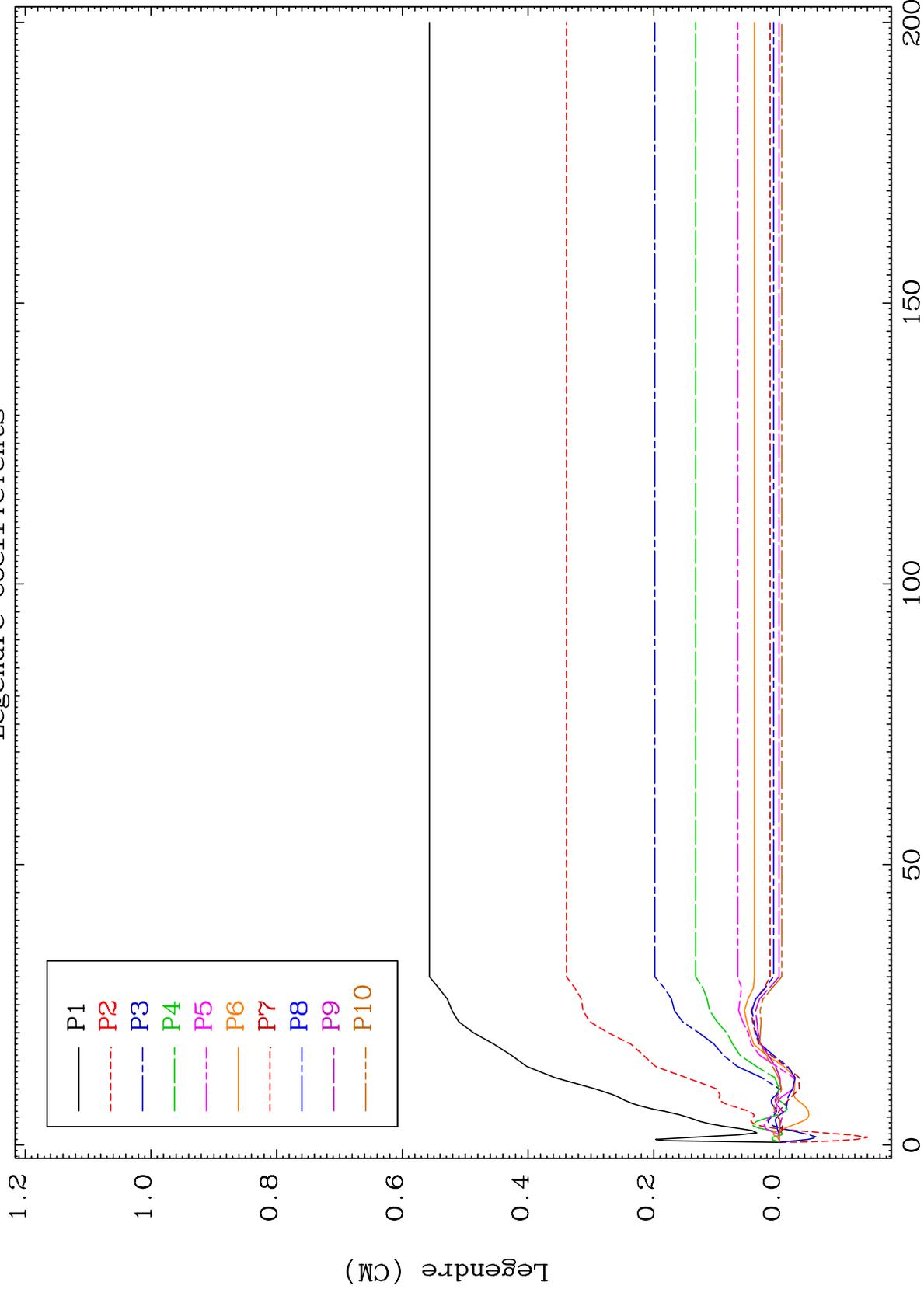




MAT 8595

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

86-Rn-201



79

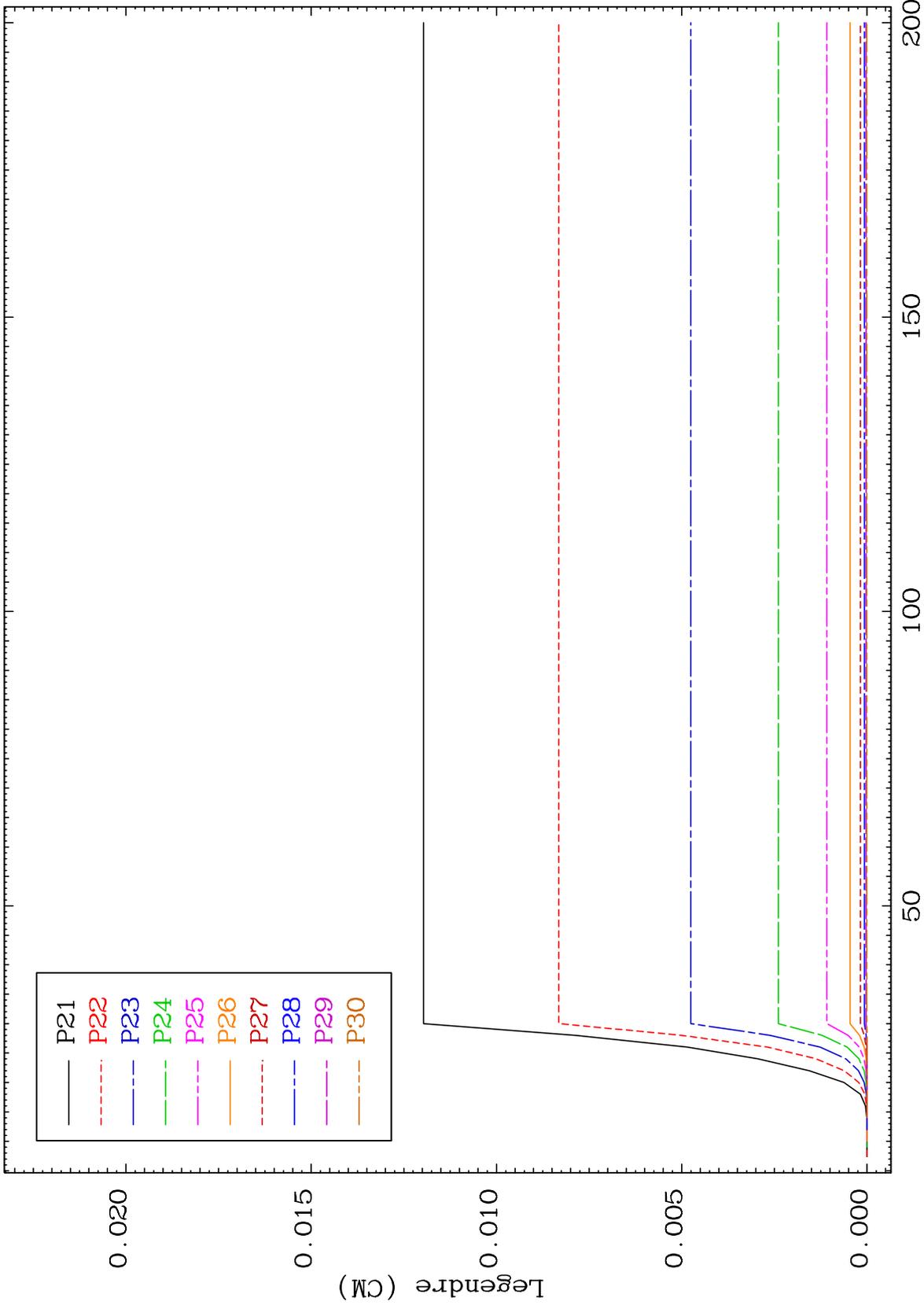
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



81

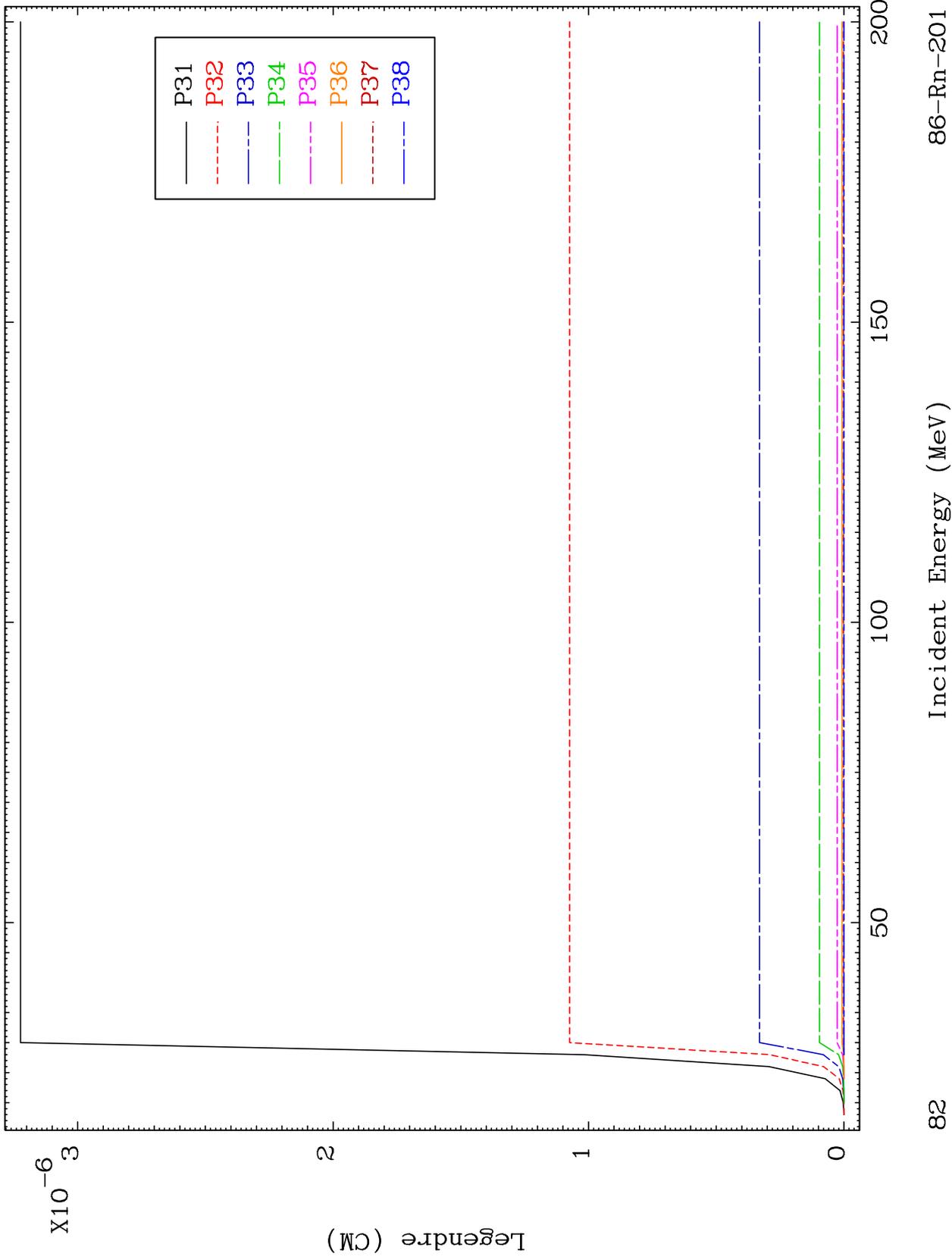
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



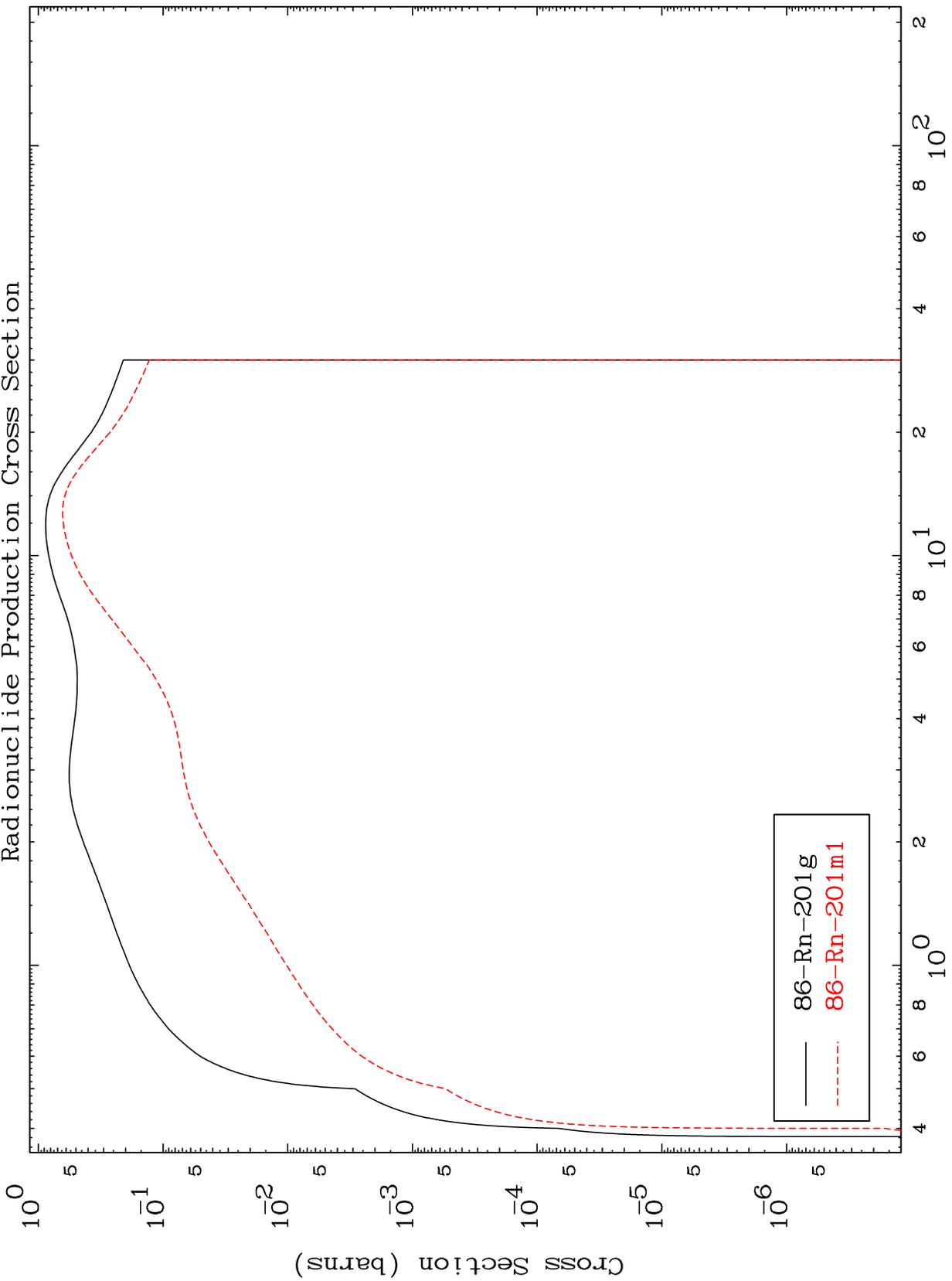
82

86-Rn-201

MAT 8595

86-Rn-201

Inelastic
Radionuclide Production Cross Section



86-Rn-201 g
86-Rn-201 m1

83

Incident Energy (MeV)

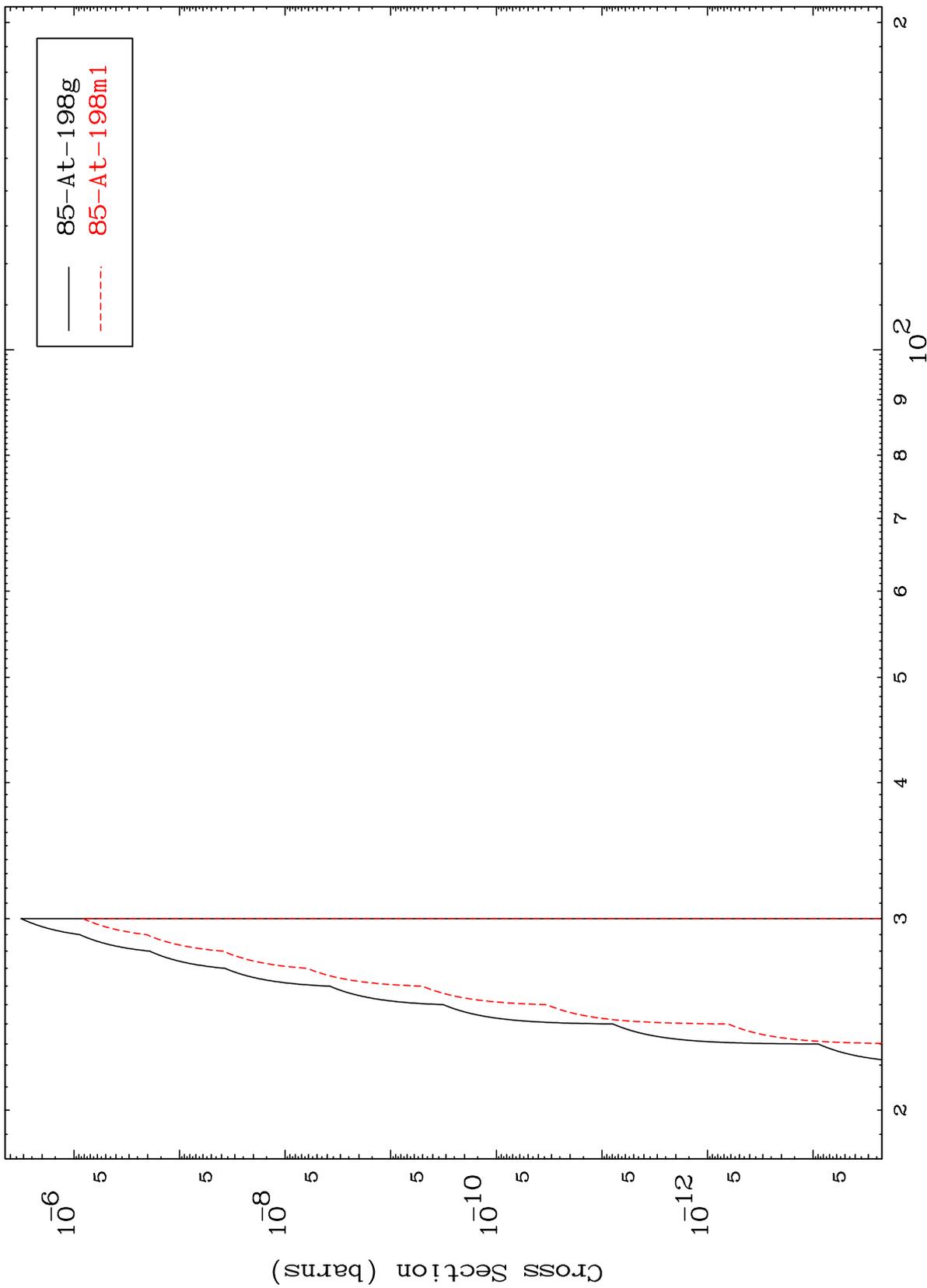
86-Rn-201

MAT 8595

(n,2n) d

86-Rn-201

Radionuclide Production Cross Section



84

Incident Energy (MeV)

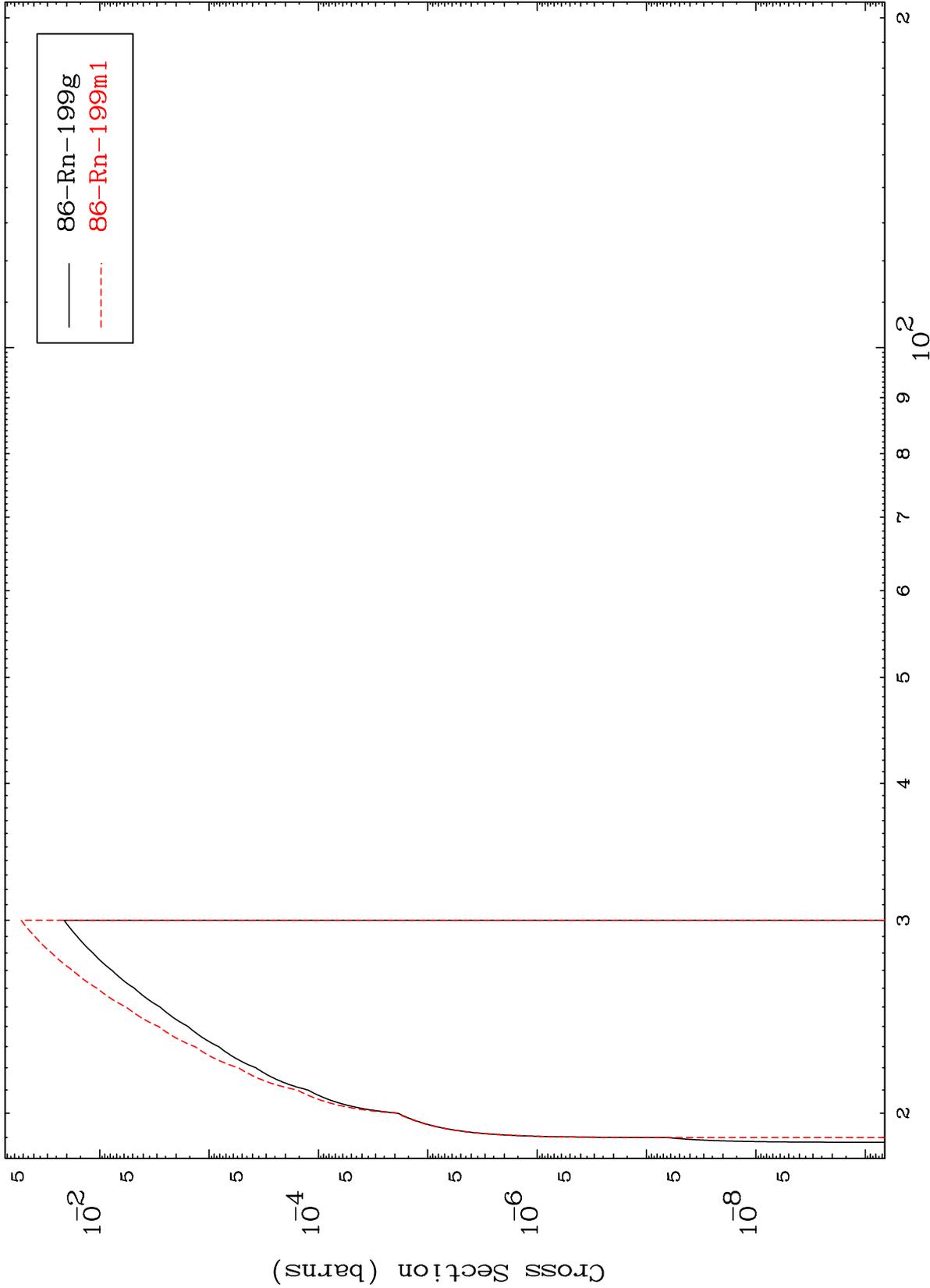
86-Rn-201

MAT 8595

(n,3n)

86-Rn-201

Radionuclide Production Cross Section



85

Incident Energy (MeV)

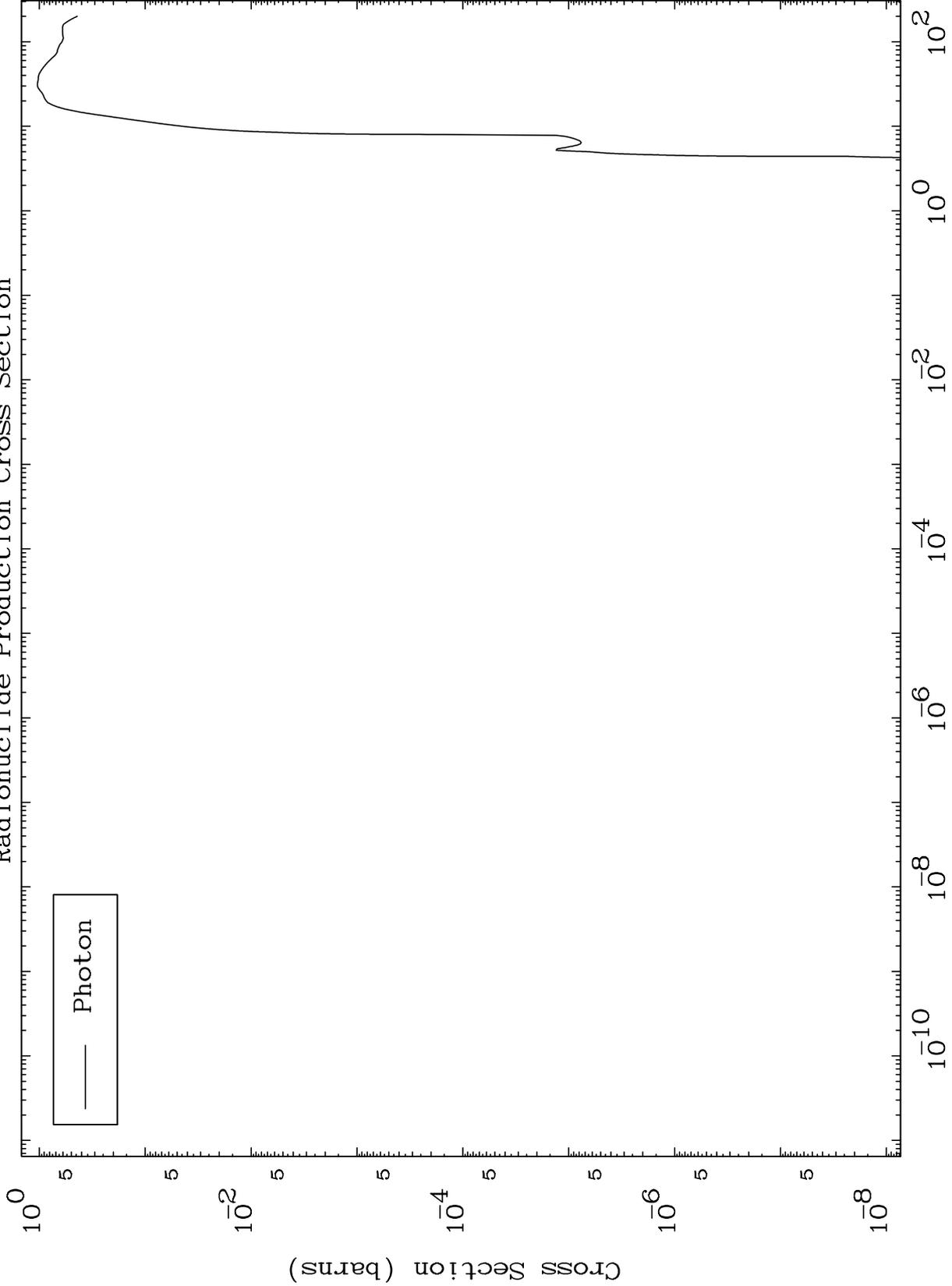
86-Rn-201

MAT 8595

Fission

86-Rn-201

Radionuclide Production Cross Section



86

Incident Energy (MeV)

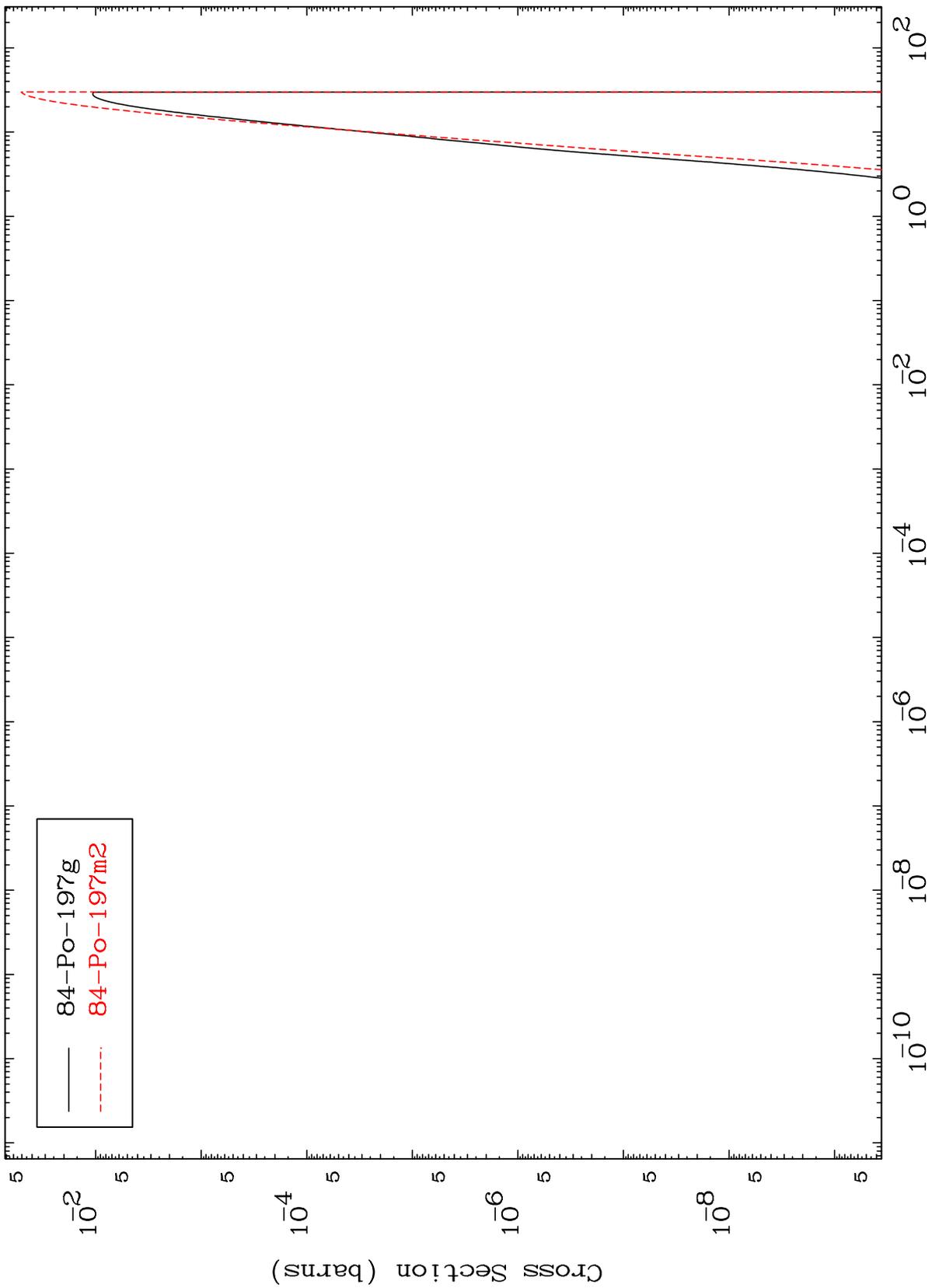
86-Rn-201

MAT 8595

(n,n') α

86-Rn-201

Radionuclide Production Cross Section



87

Incident Energy (MeV)

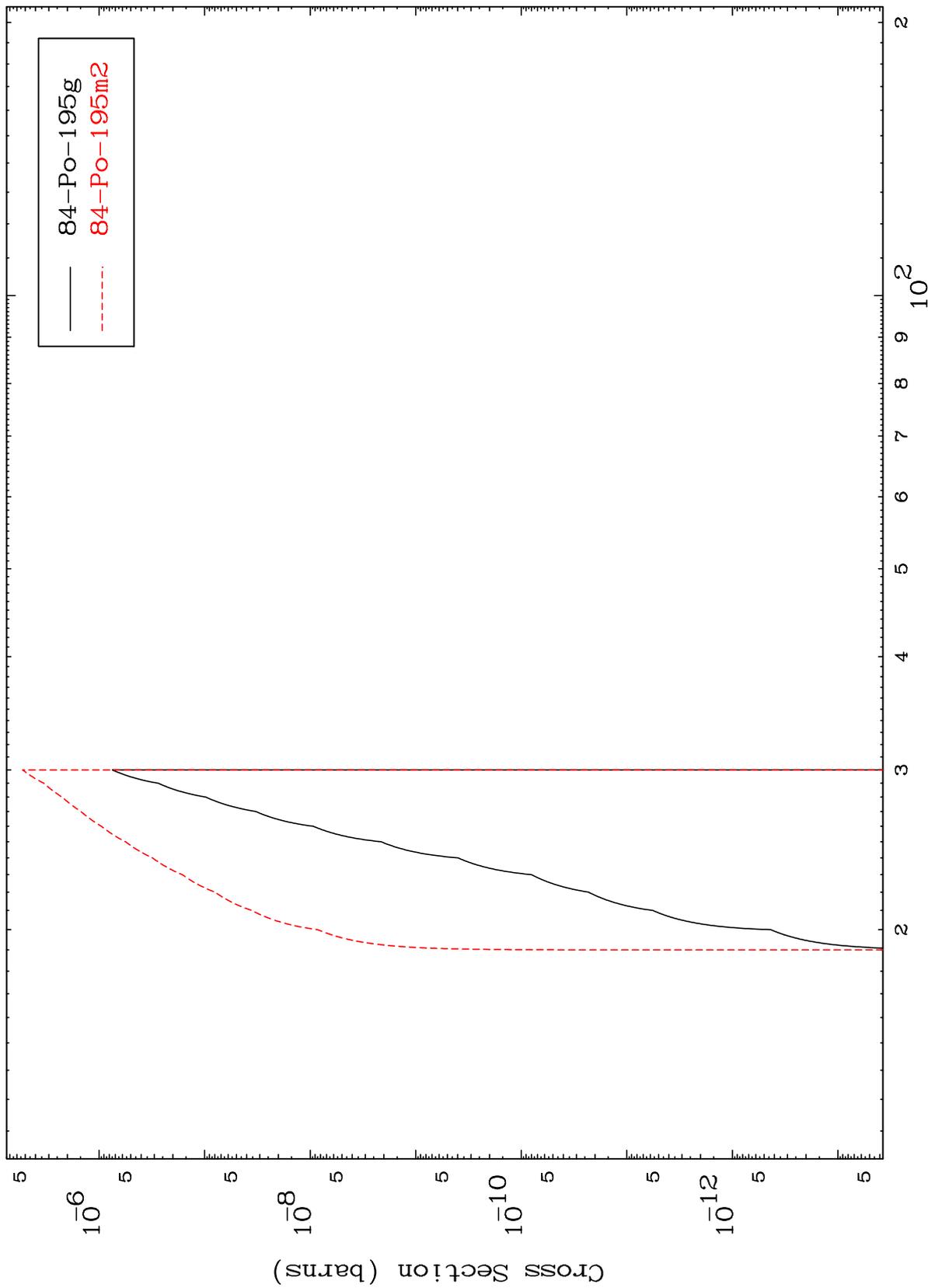
86-Rn-201

MAT 8595

(n,3n) α

86-Rn-201

Radionuclide Production Cross Section



88

Incident Energy (MeV)

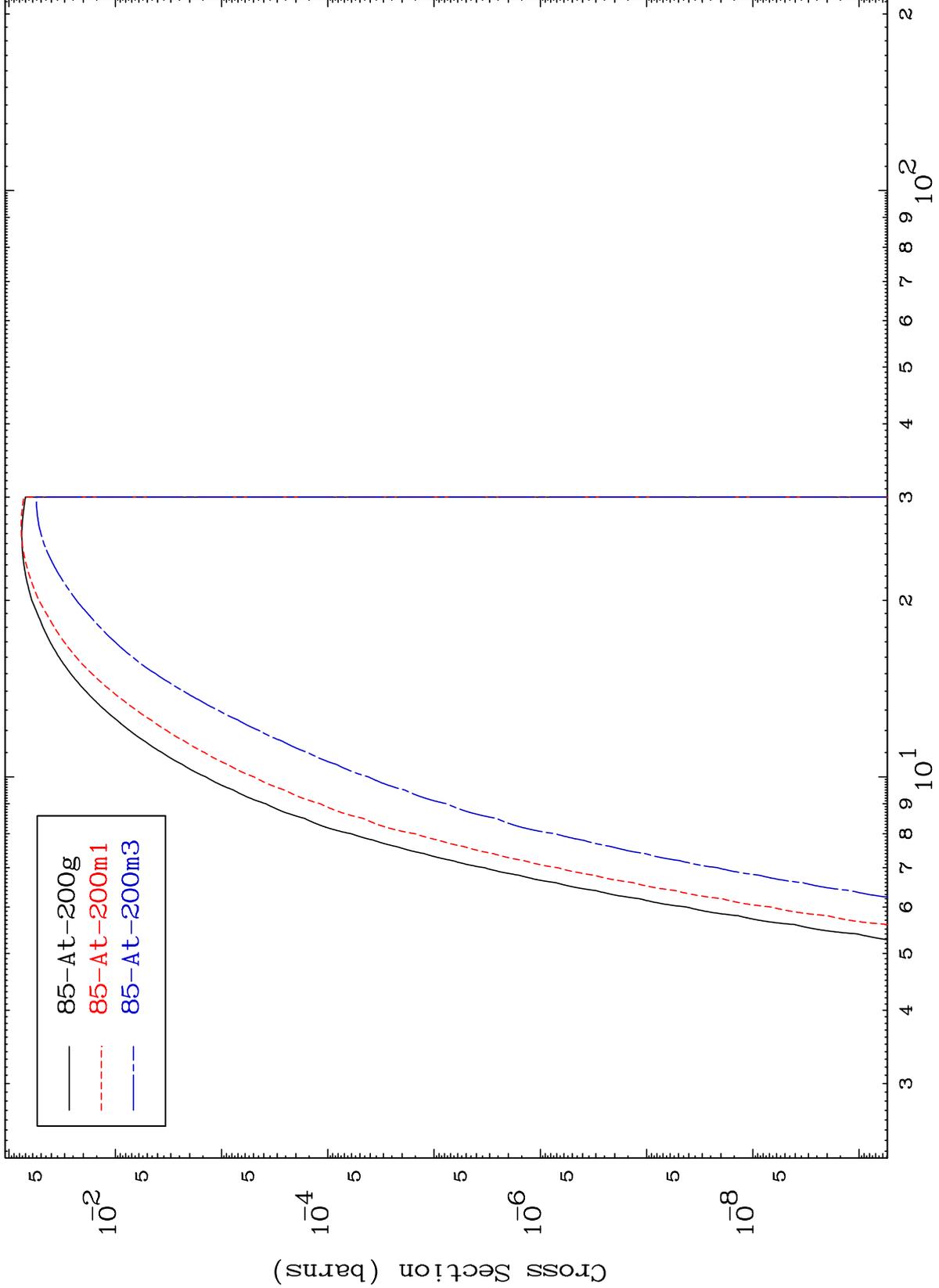
86-Rn-201

MAT 8595

(n,n') p

86-Rn-201

Radionuclide Production Cross Section



85-At-200g
85-At-200m1
85-At-200m3

89

Incident Energy (MeV)

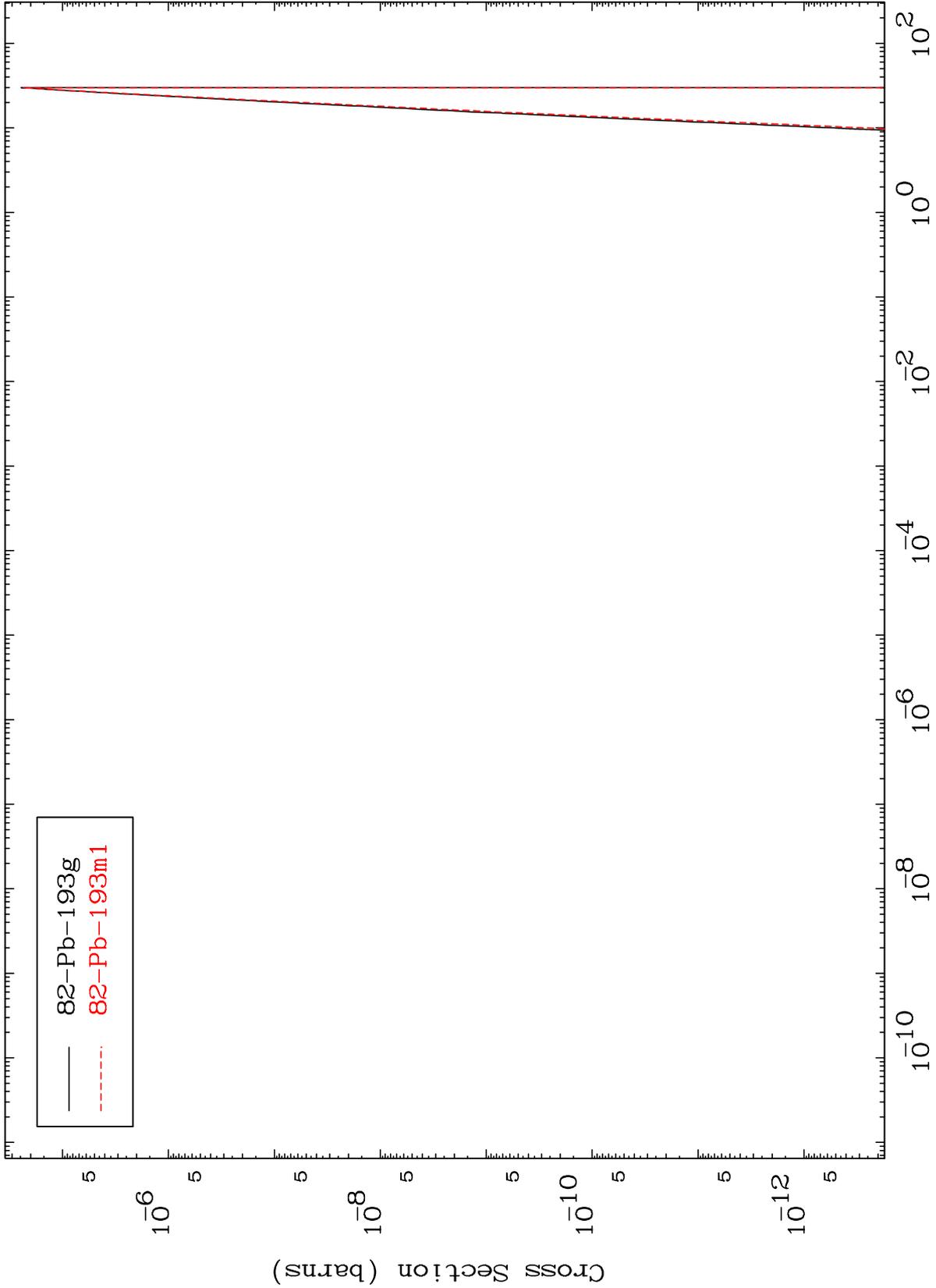
86-Rn-201

MAT 8595

(n,n') 2 α

86-Rn-201

Radionuclide Production Cross Section



90

Incident Energy (MeV)

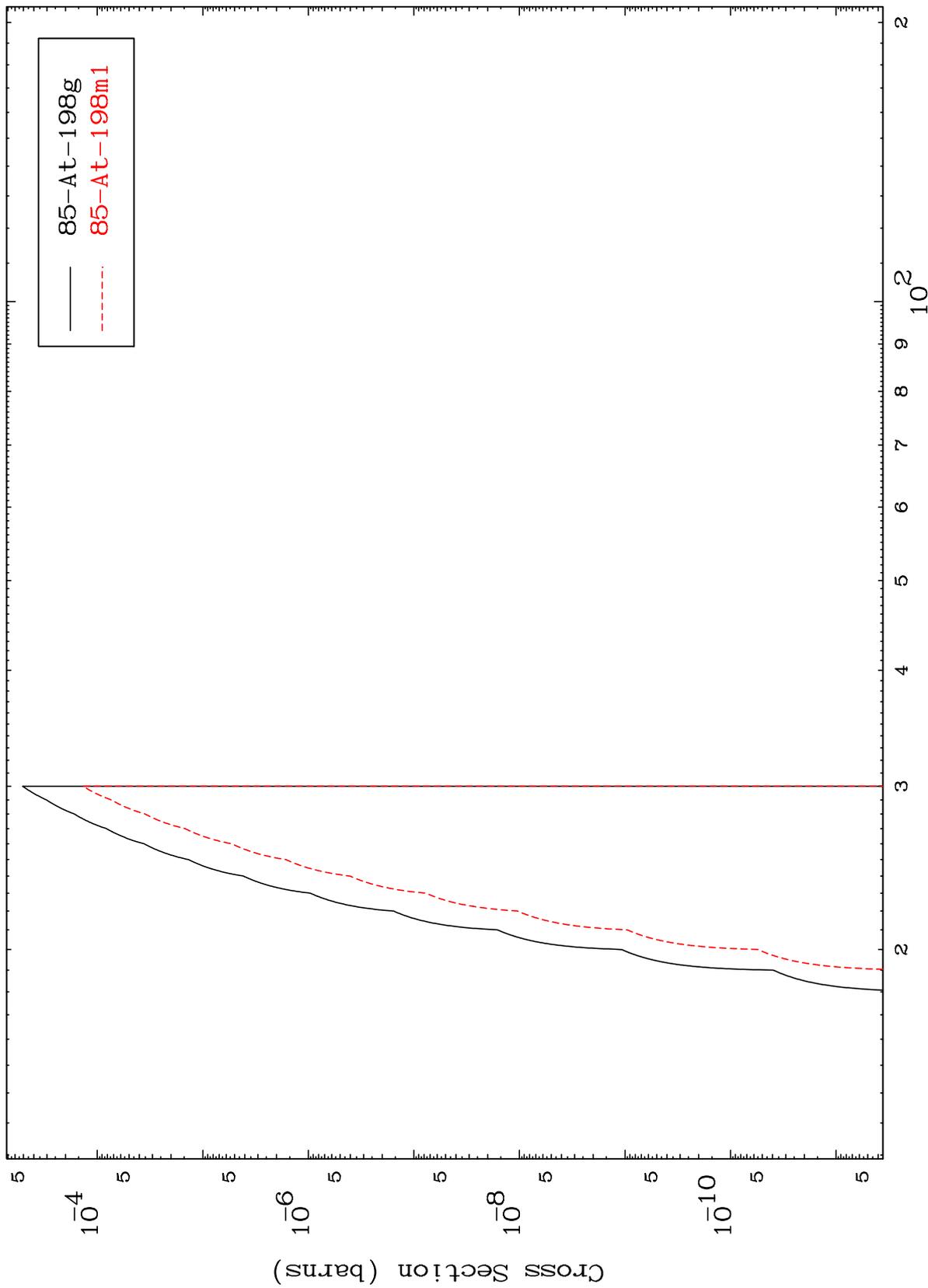
86-Rn-201

MAT 8595

(n,n') t

86-Rn-201

Radionuclide Production Cross Section



91

Incident Energy (MeV)

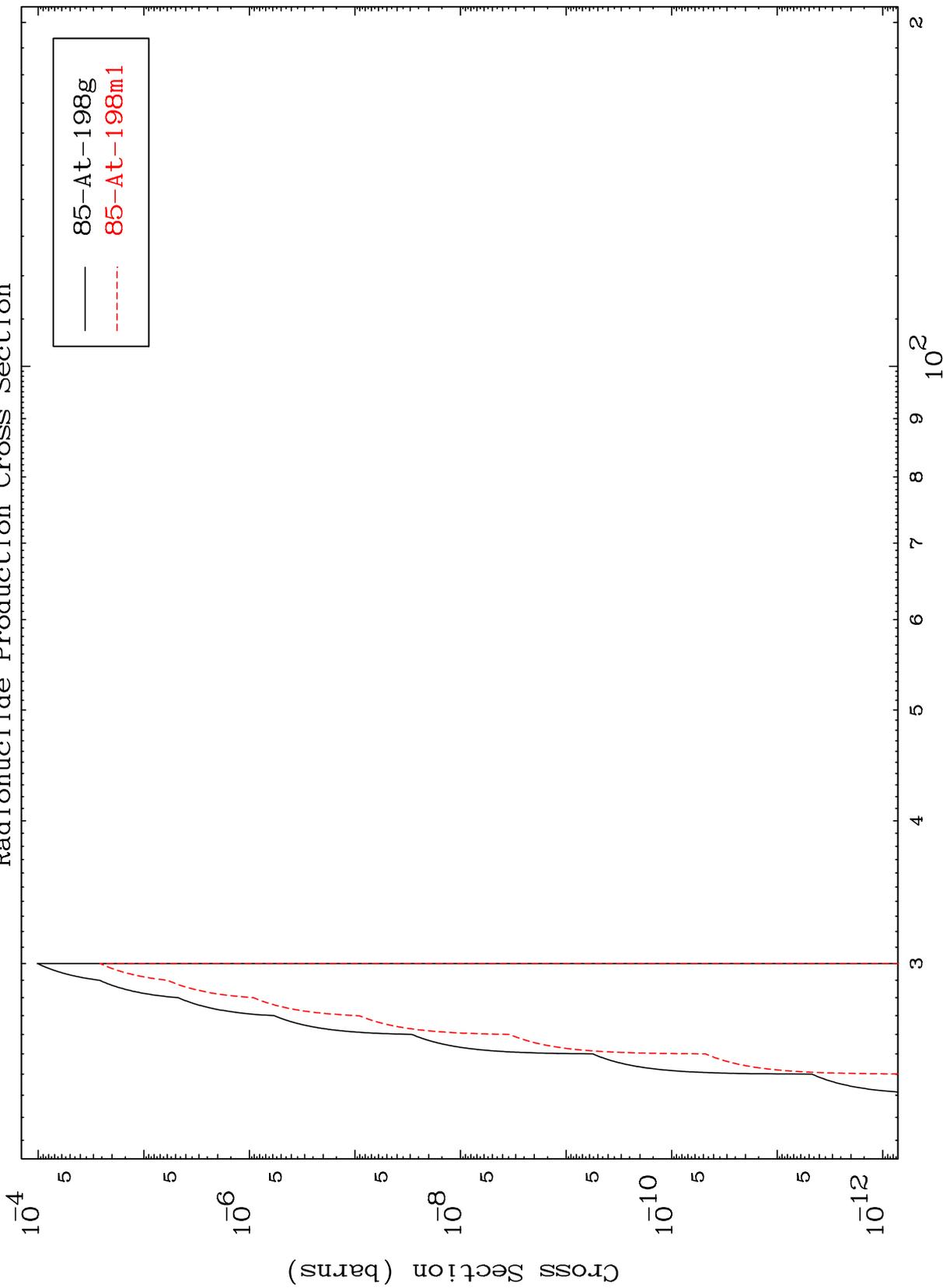
86-Rn-201

MAT 8595

(n,3n) p

86-Rn-201

Radionuclide Production Cross Section



92

Incident Energy (MeV)

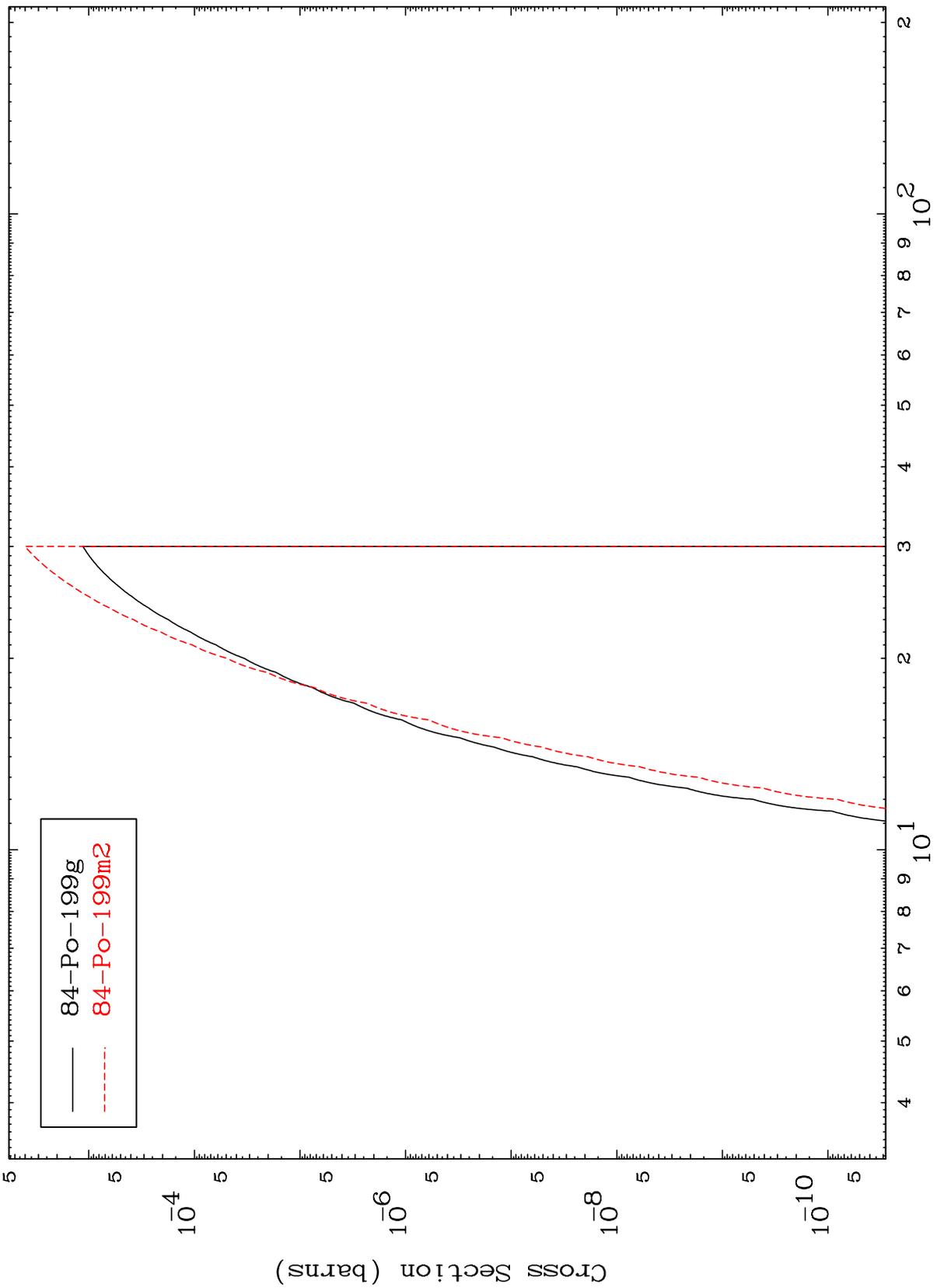
86-Rn-201

MAT 8595

(n,2n) p

86-Rn-201

Radionuclide Production Cross Section



93

Incident Energy (MeV)

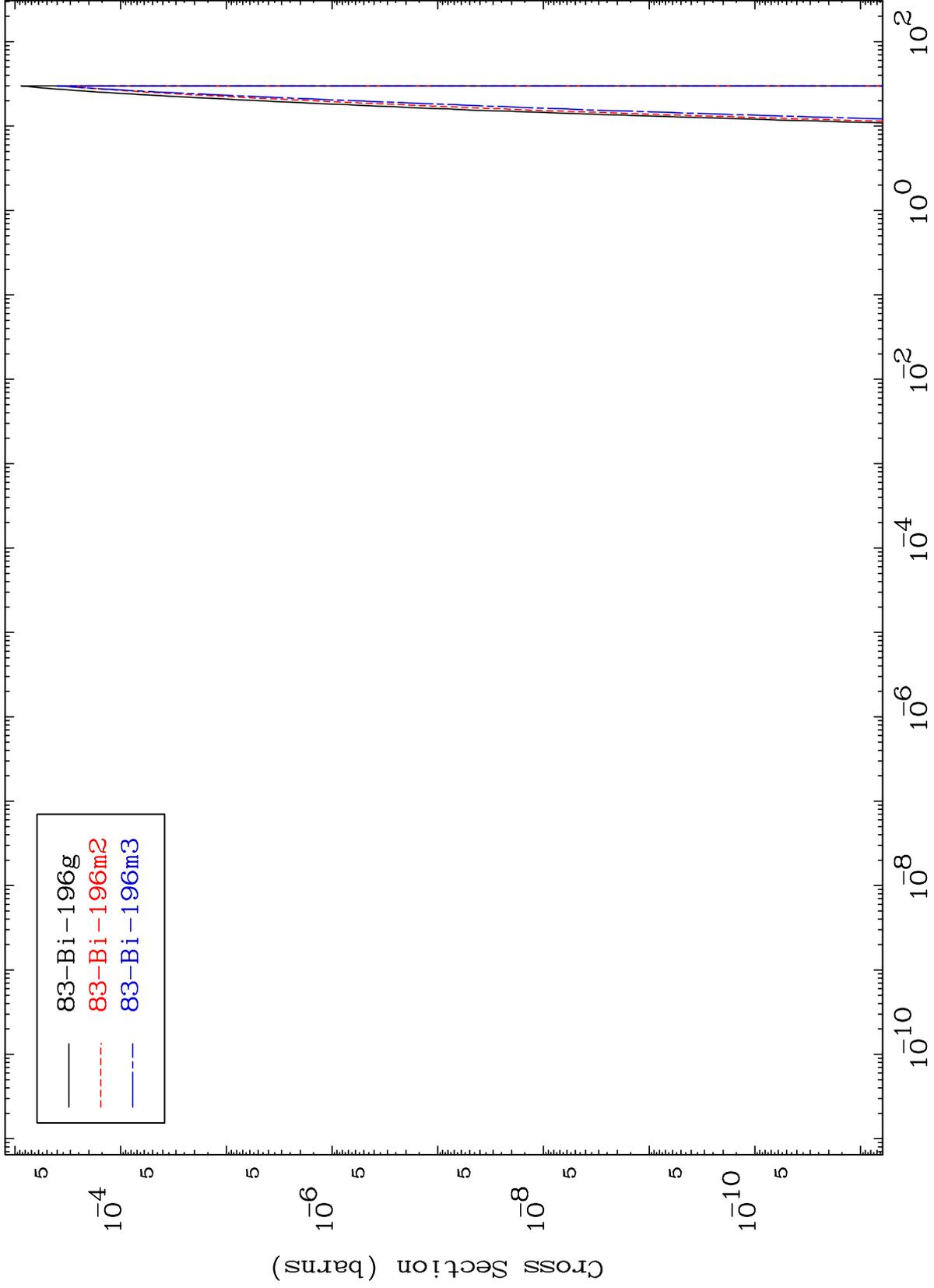
86-Rn-201

MAT 8595

(n,n') p α

86-Rn-201

Radionuclide Production Cross Section



94

Incident Energy (MeV)

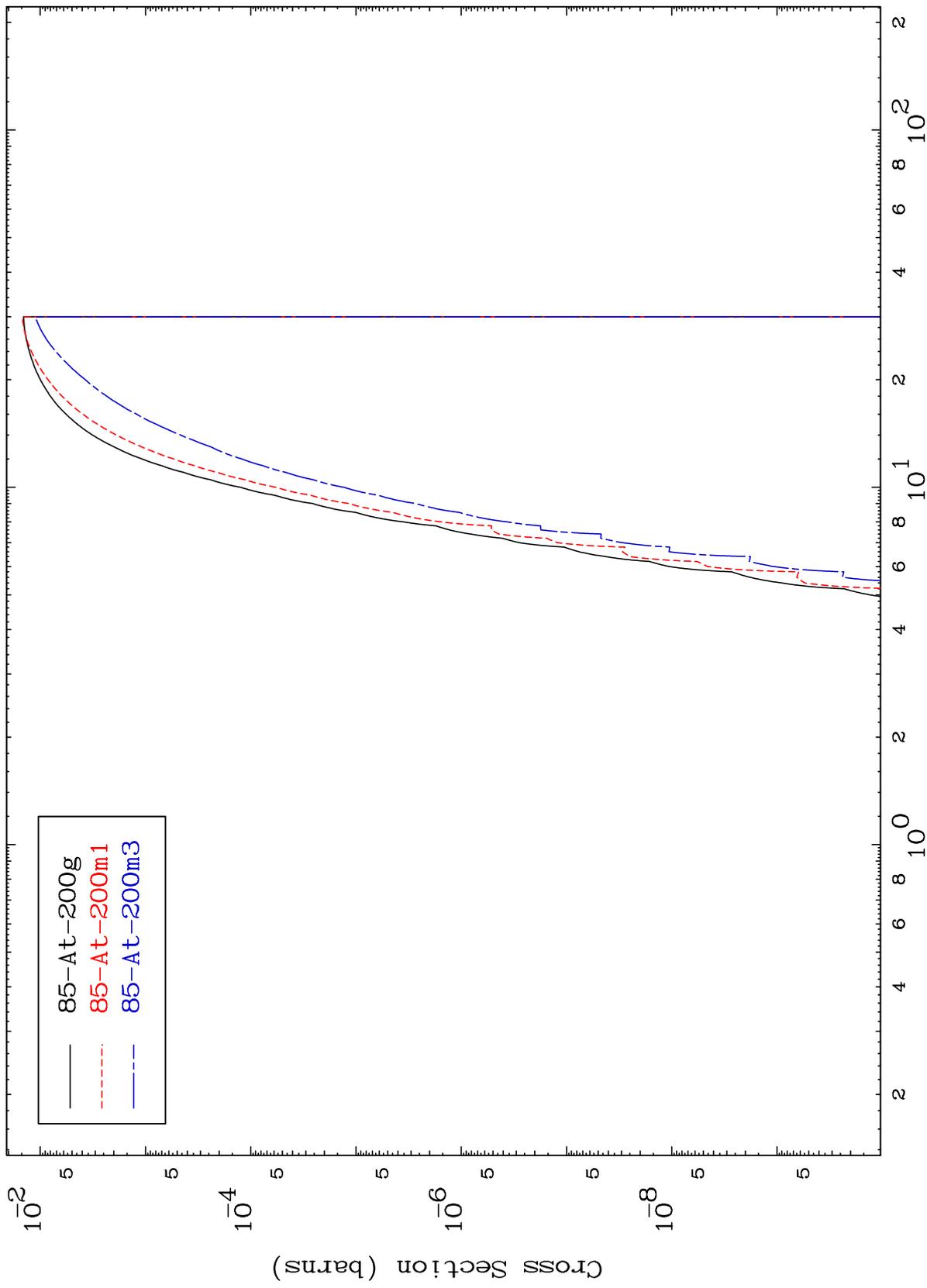
86-Rn-201

MAT 8595

(n,d)

86-Rn-201

Radionuclide Production Cross Section



95

Incident Energy (MeV)

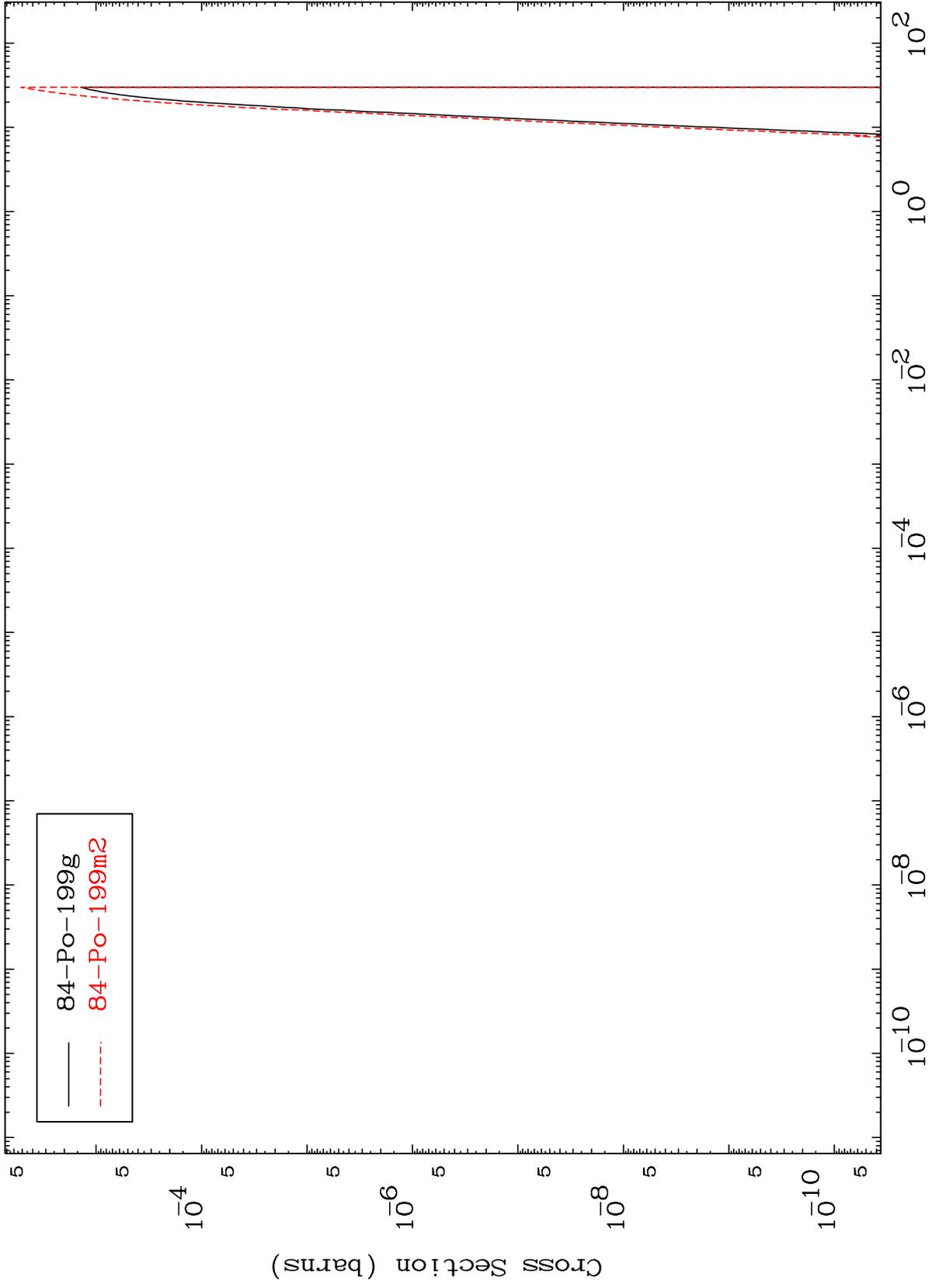
86-Rn-201

MAT 8595

(n,He-3)

86-Rn-201

Radionuclide Production Cross Section



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

96

Incident Energy (MeV)

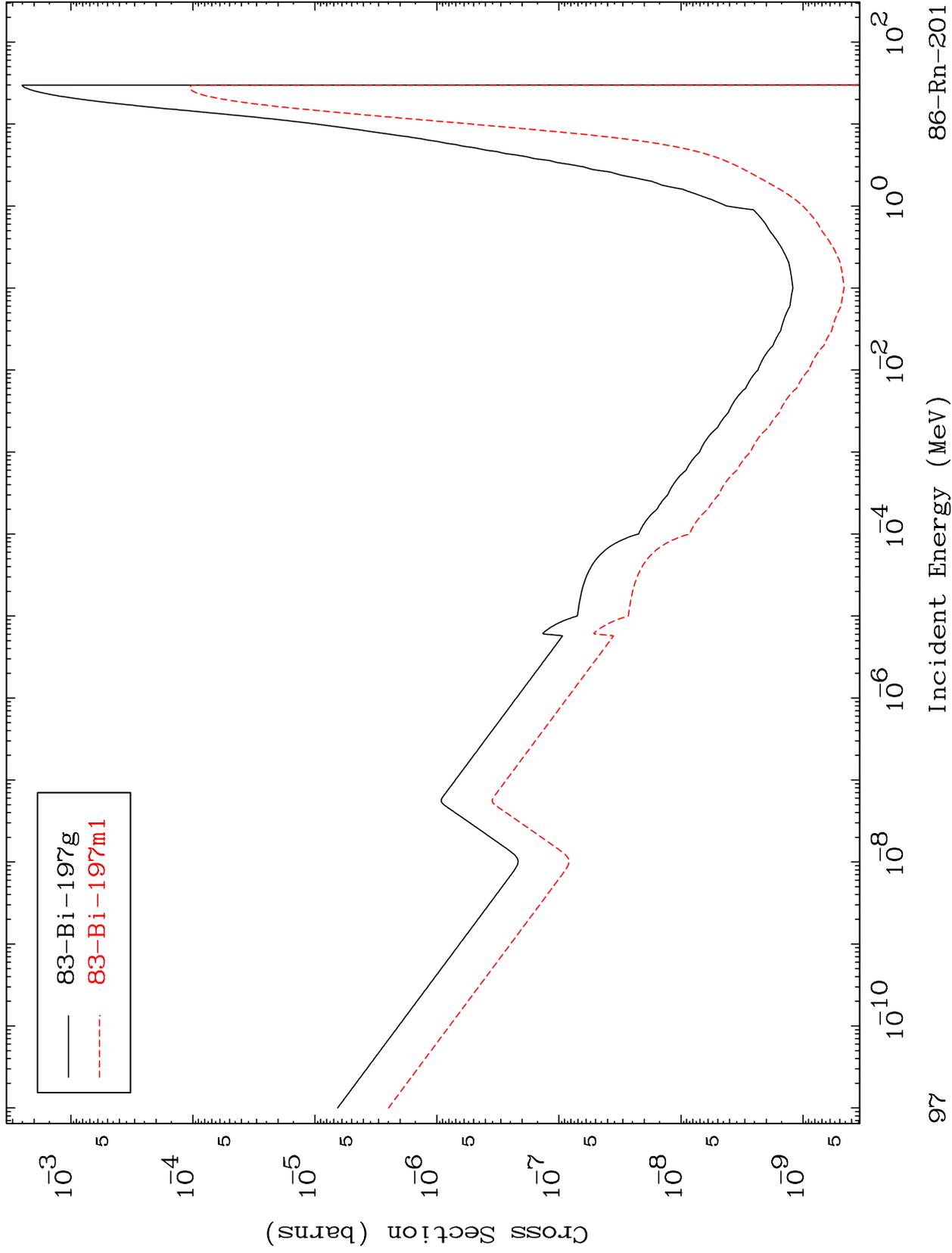
86-Rn-201

MAT 8595

(n,p) α

86-Rn-201

Radionuclide Production Cross Section

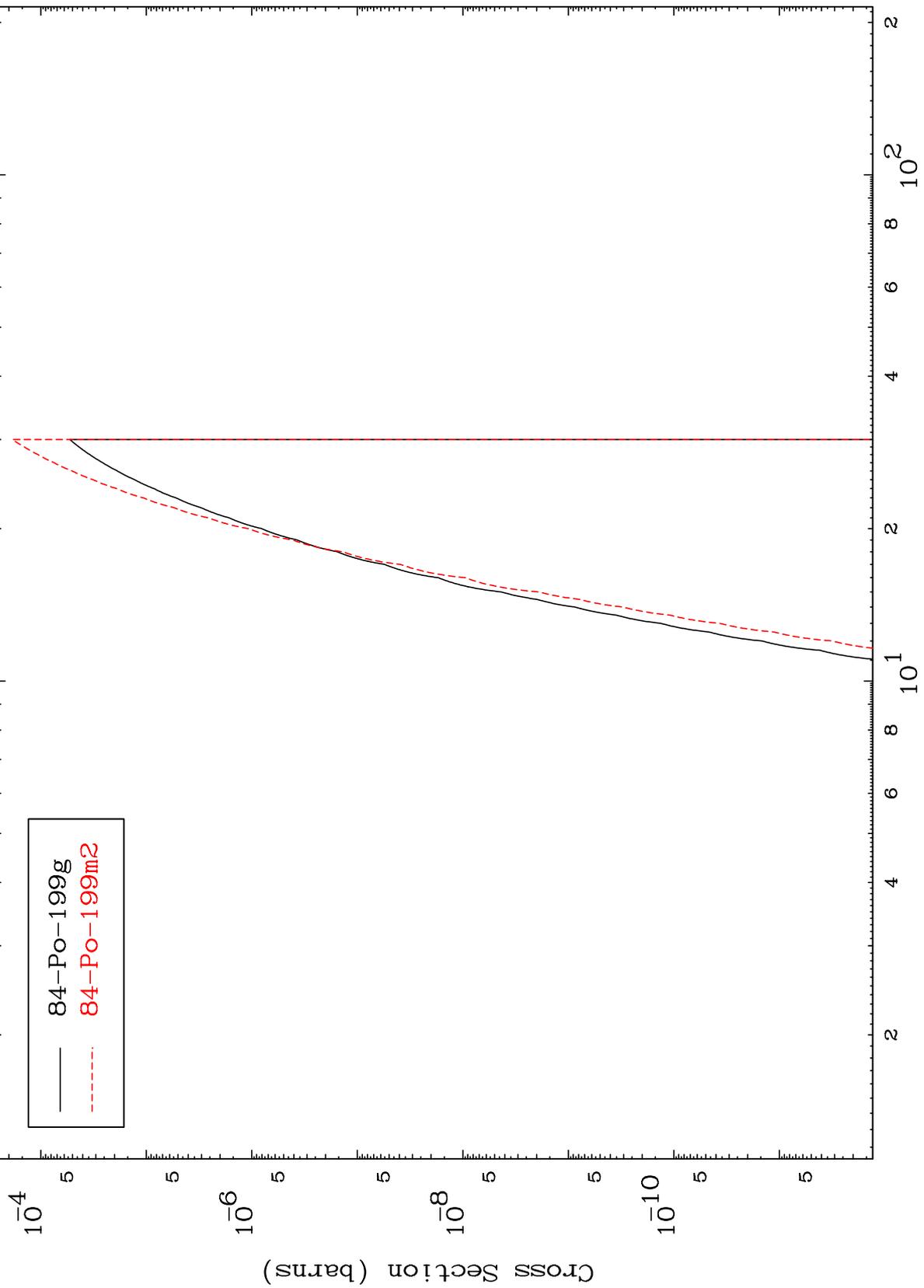


MAT 8595

(n,p) d

86-Rn-201

Radionuclide Production Cross Section



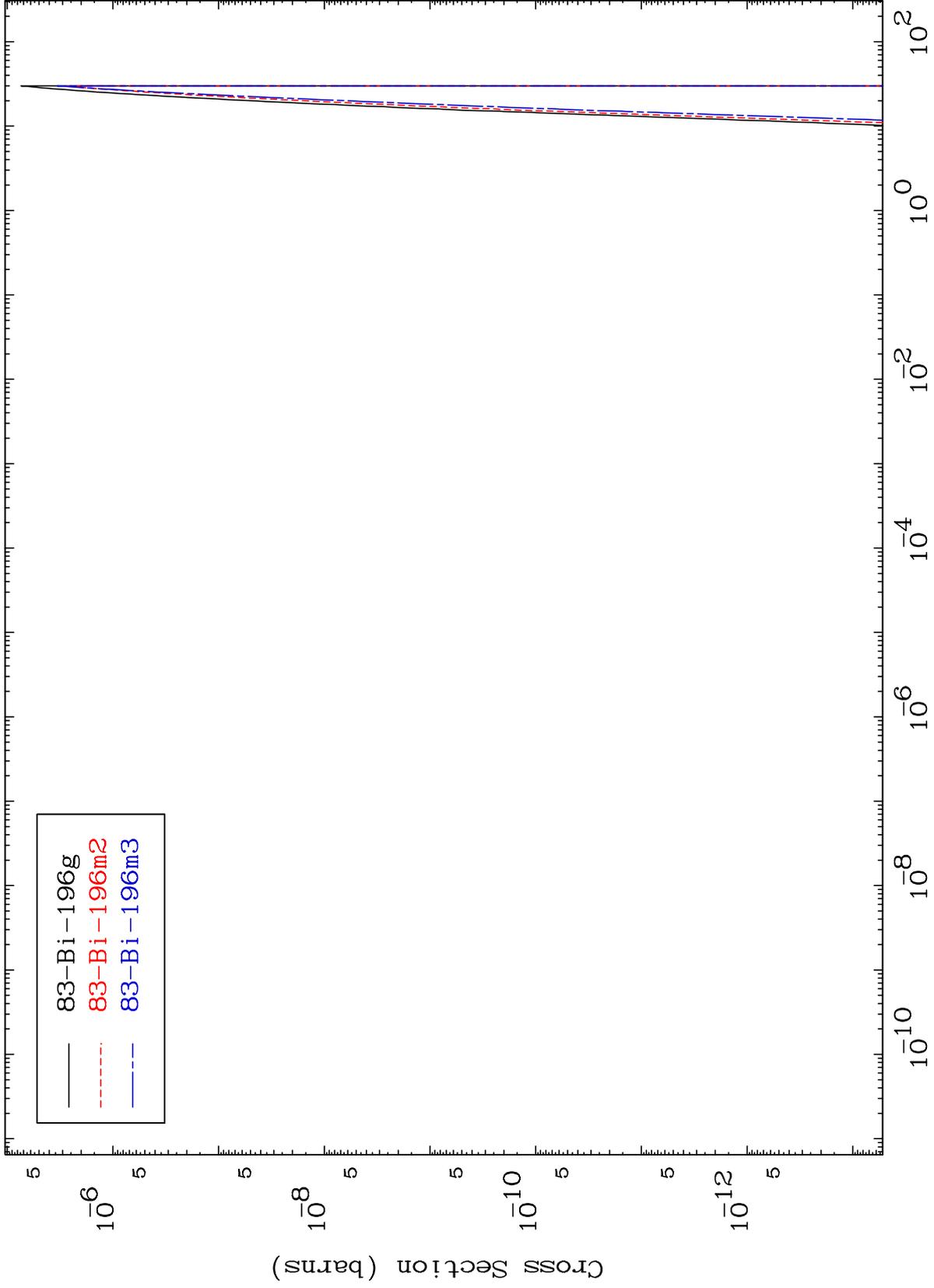
84-Po-199g
84-Po-199m2

MAT 8595

(n,d) α

86-Rn-201

Radionuclide Production Cross Section



99

Incident Energy (MeV)

86-Rn-201