

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

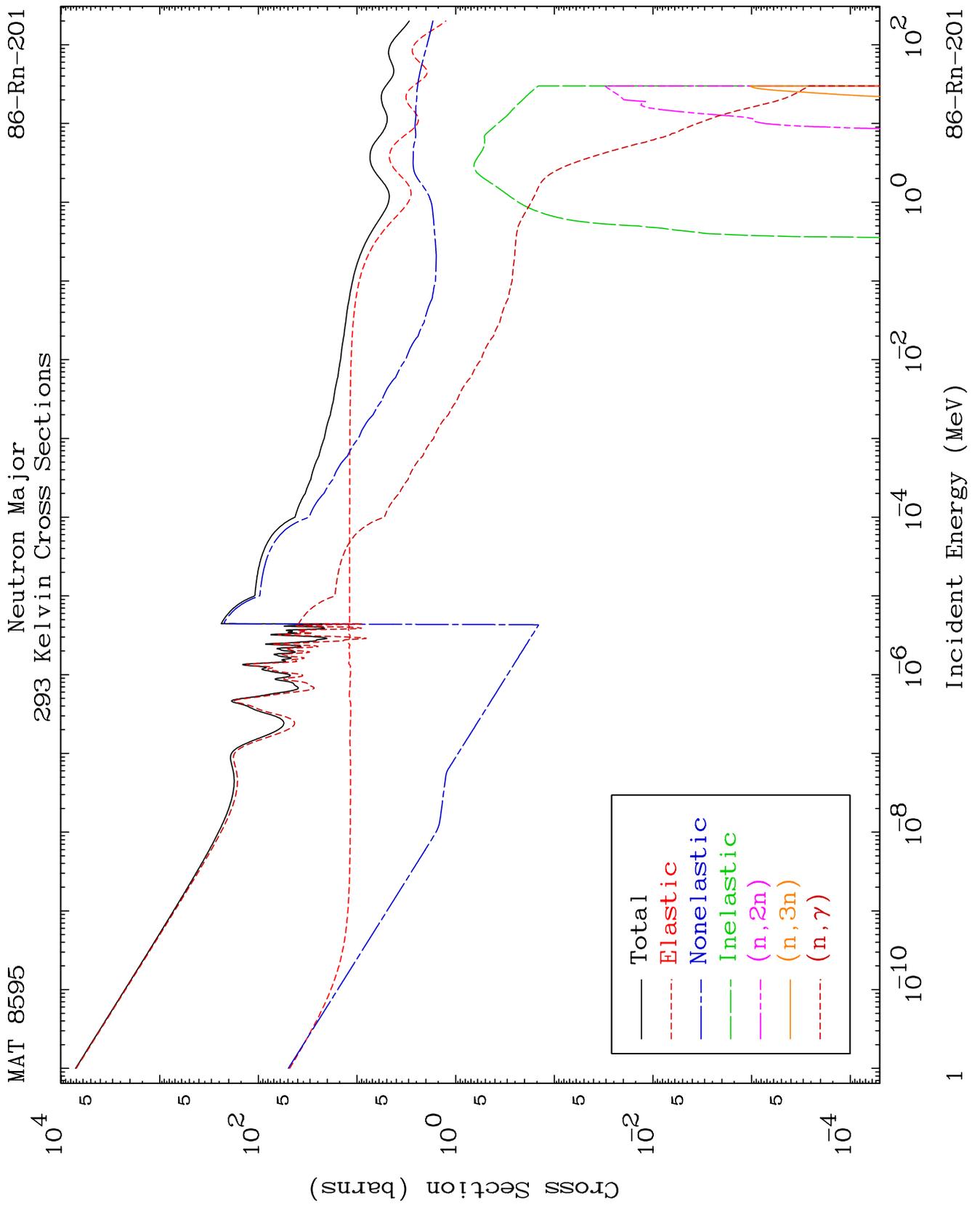
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

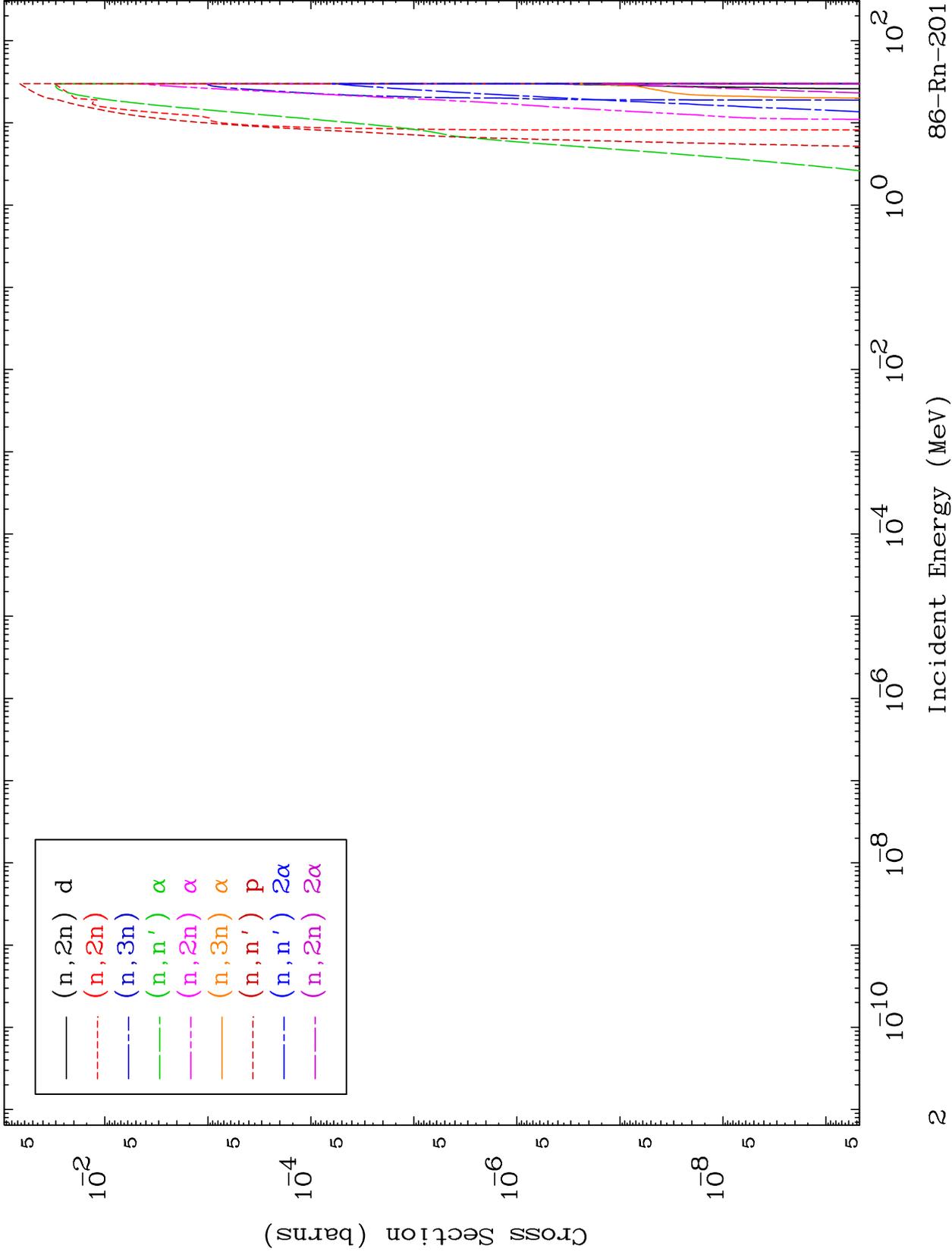
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MAT 8595

Neutron Absorption  
293 Kelvin Cross Sections

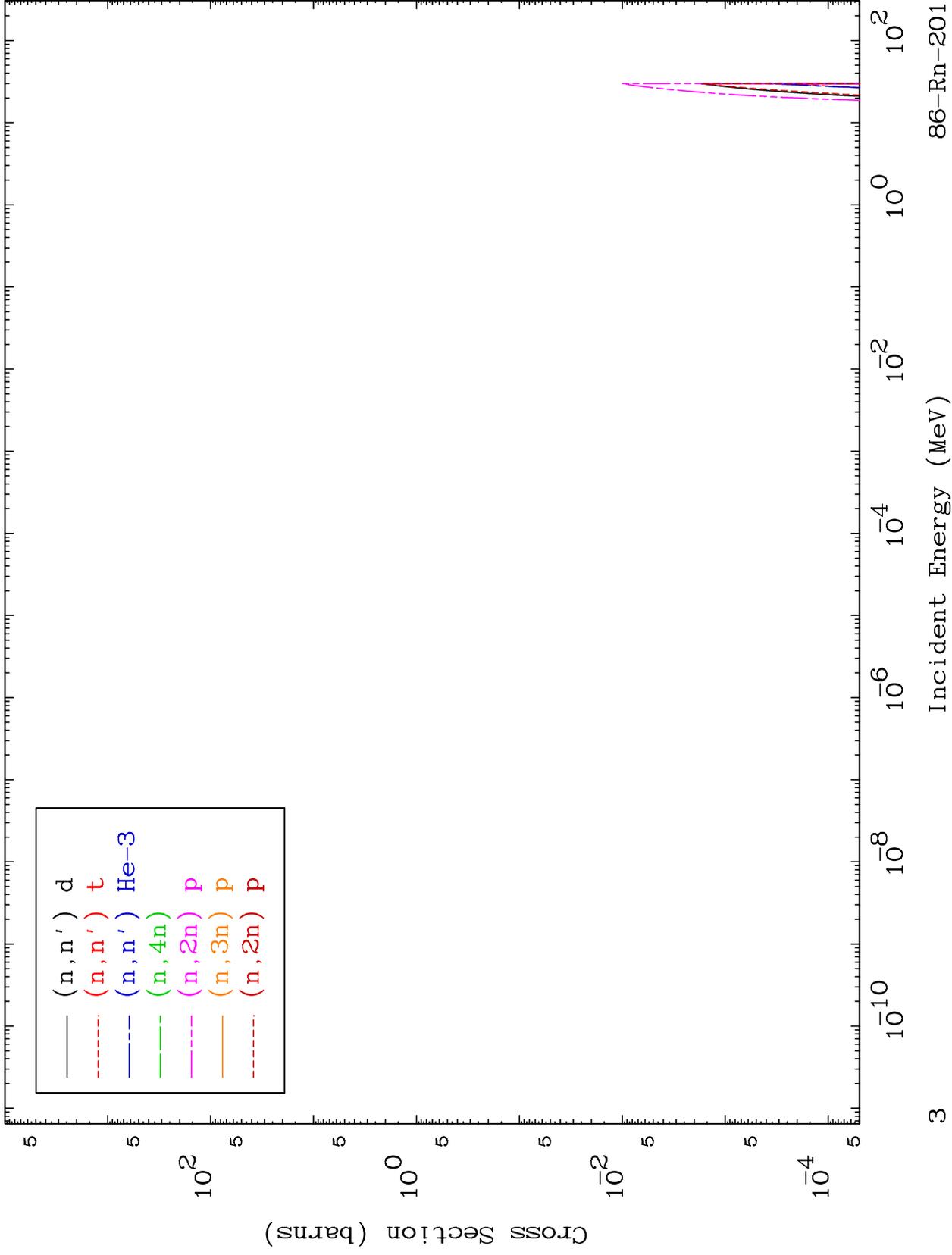
86-Rn-201



MAT 8595

Neutron Absorption  
293 Kelvin Cross Sections

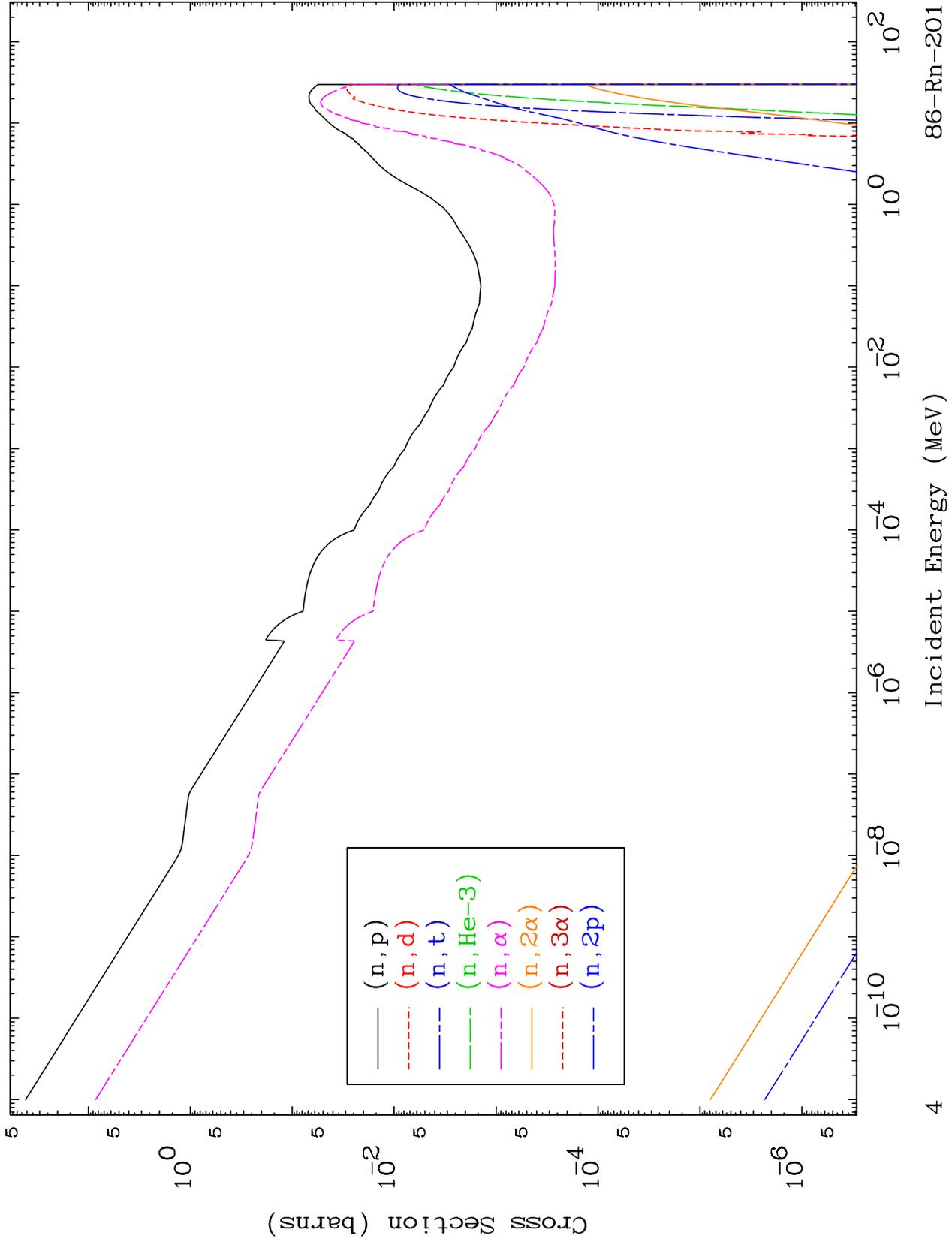
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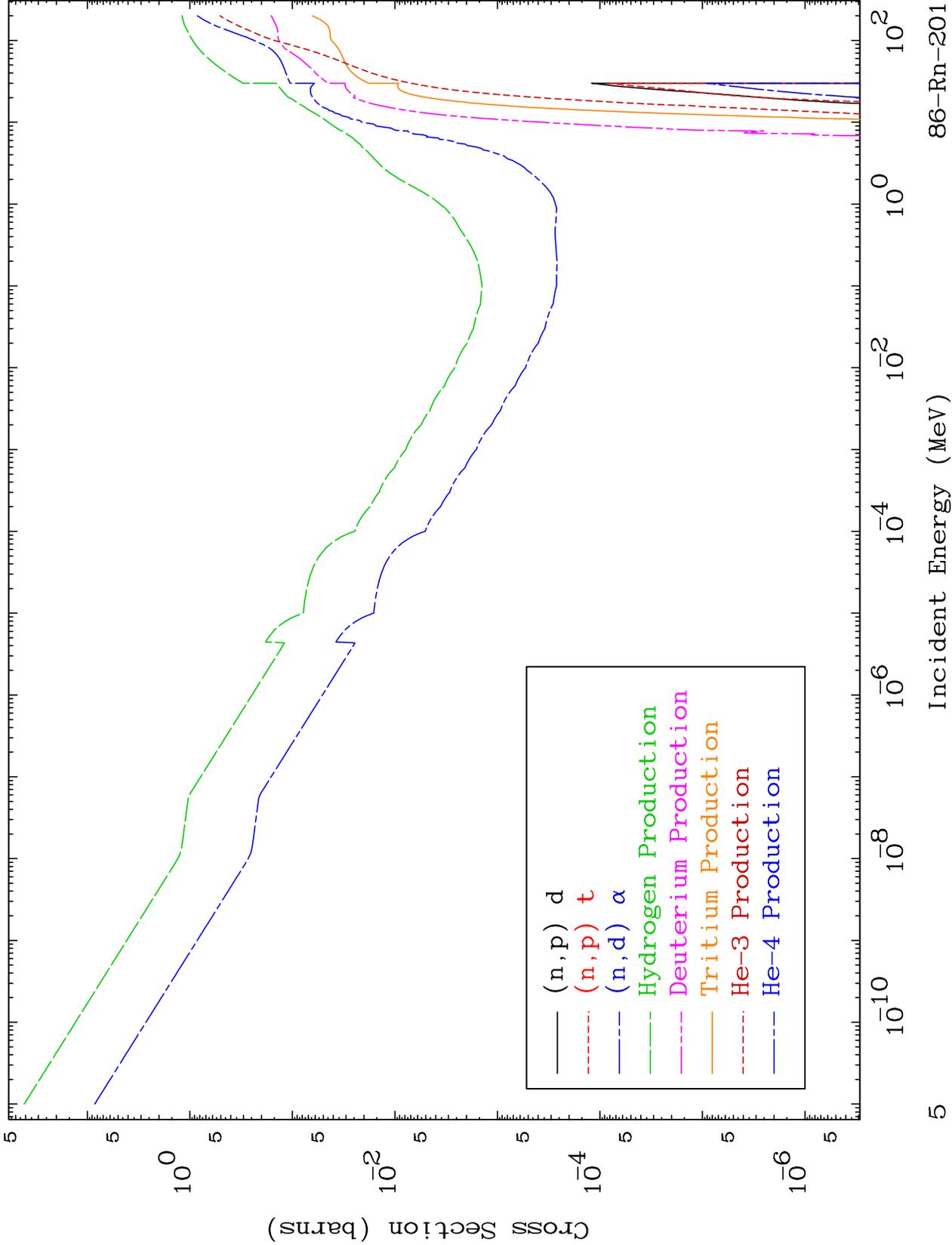


MAT 8595

Neutron Absorption  
293 Kelvin Cross Sections

86-Rn-201

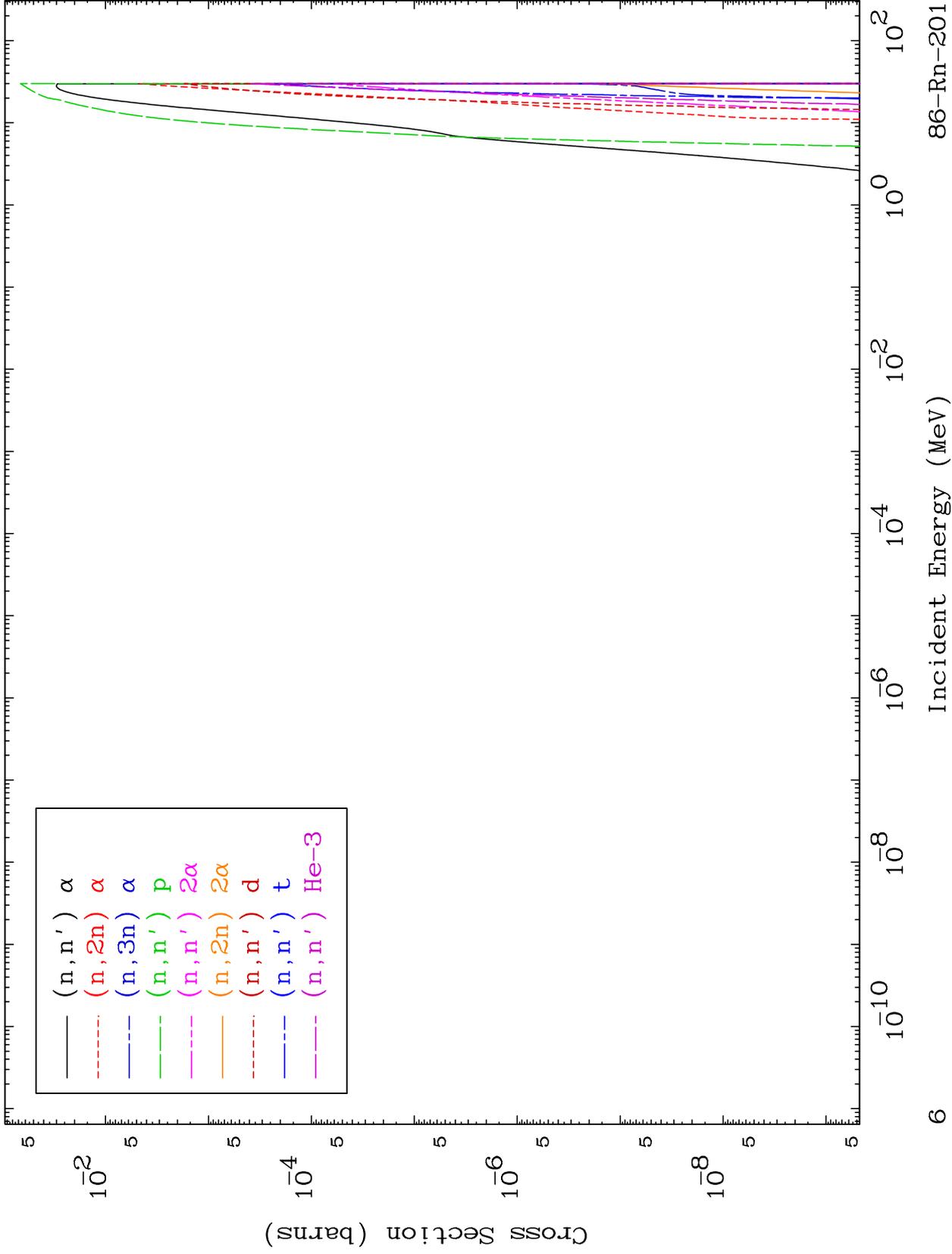




MAT 8595

Charged Particle  
293 Kelvin Cross Sections

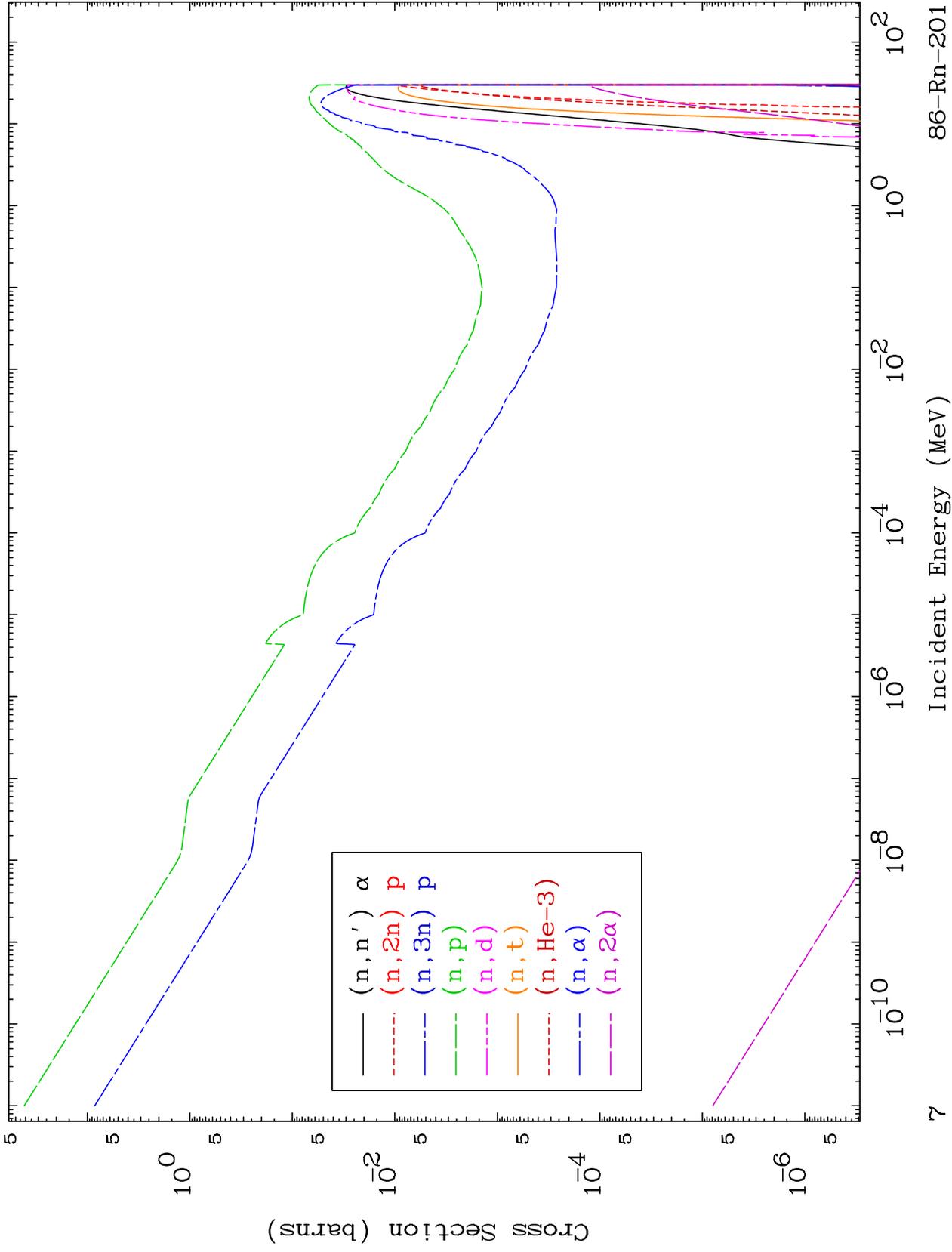
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Charged Particle  
293 Kelvin Cross Sections

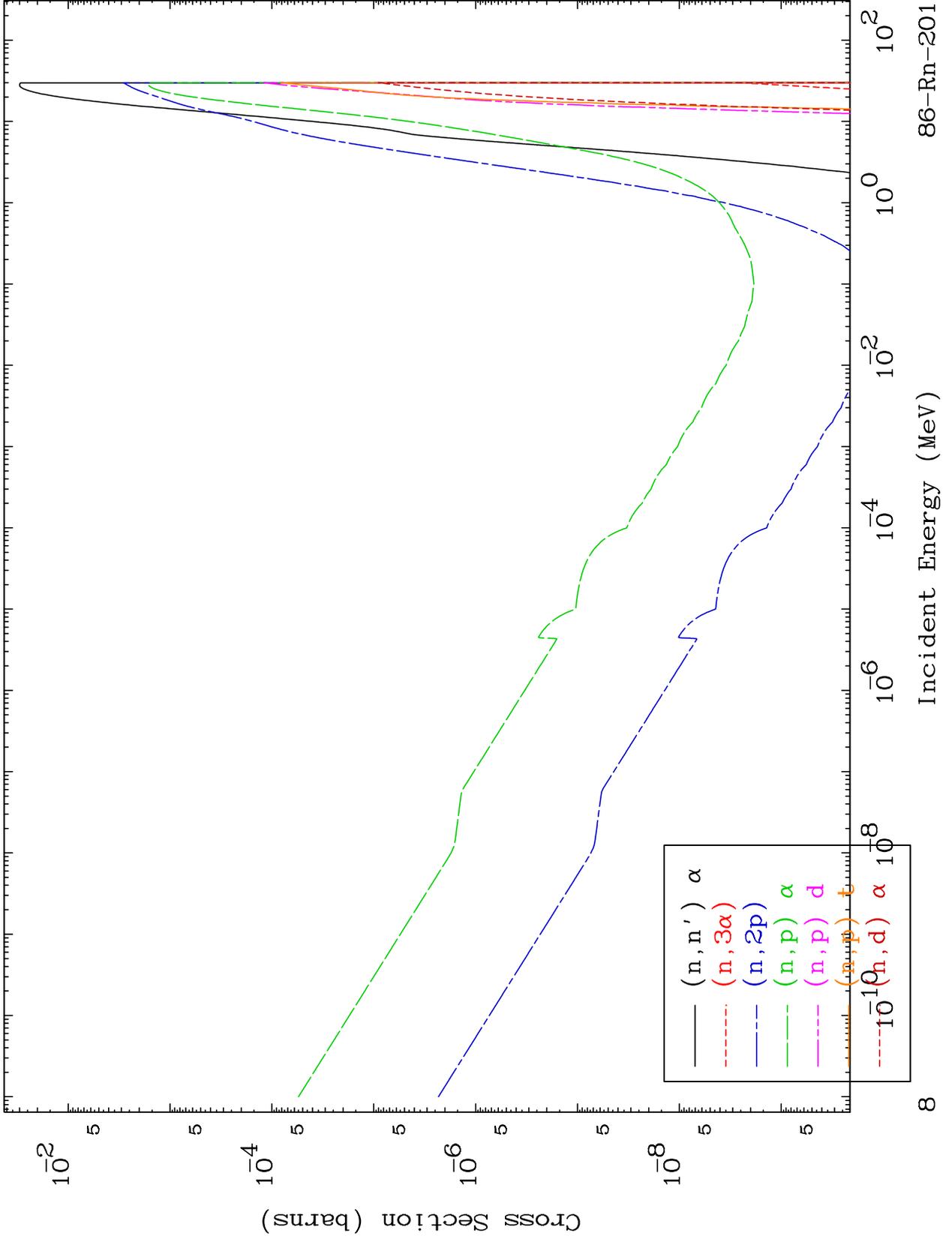
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Charged Particle  
293 Kelvin Cross Sections

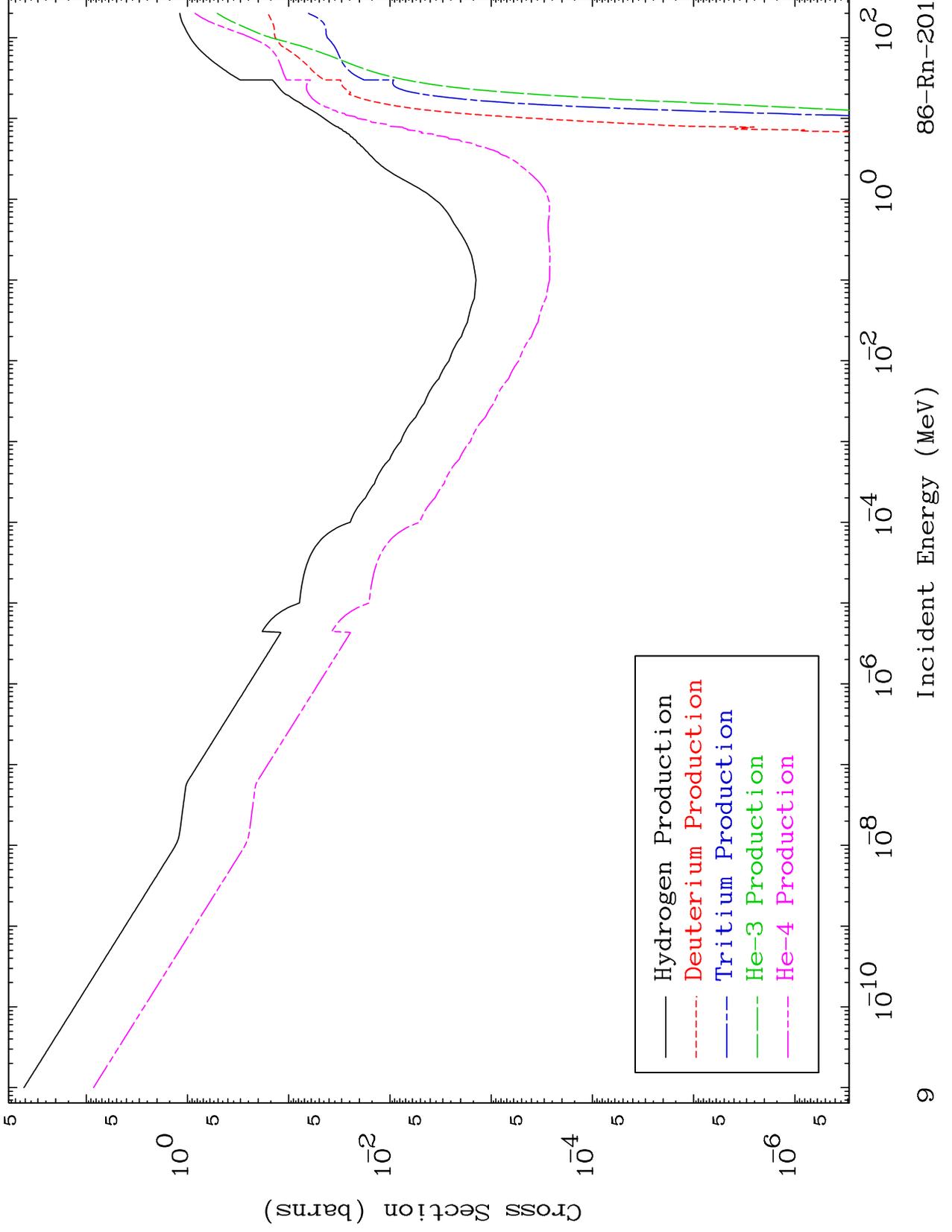
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MAT 8595

Particle Production  
293 Kelvin Cross Sections

86-Rn-201

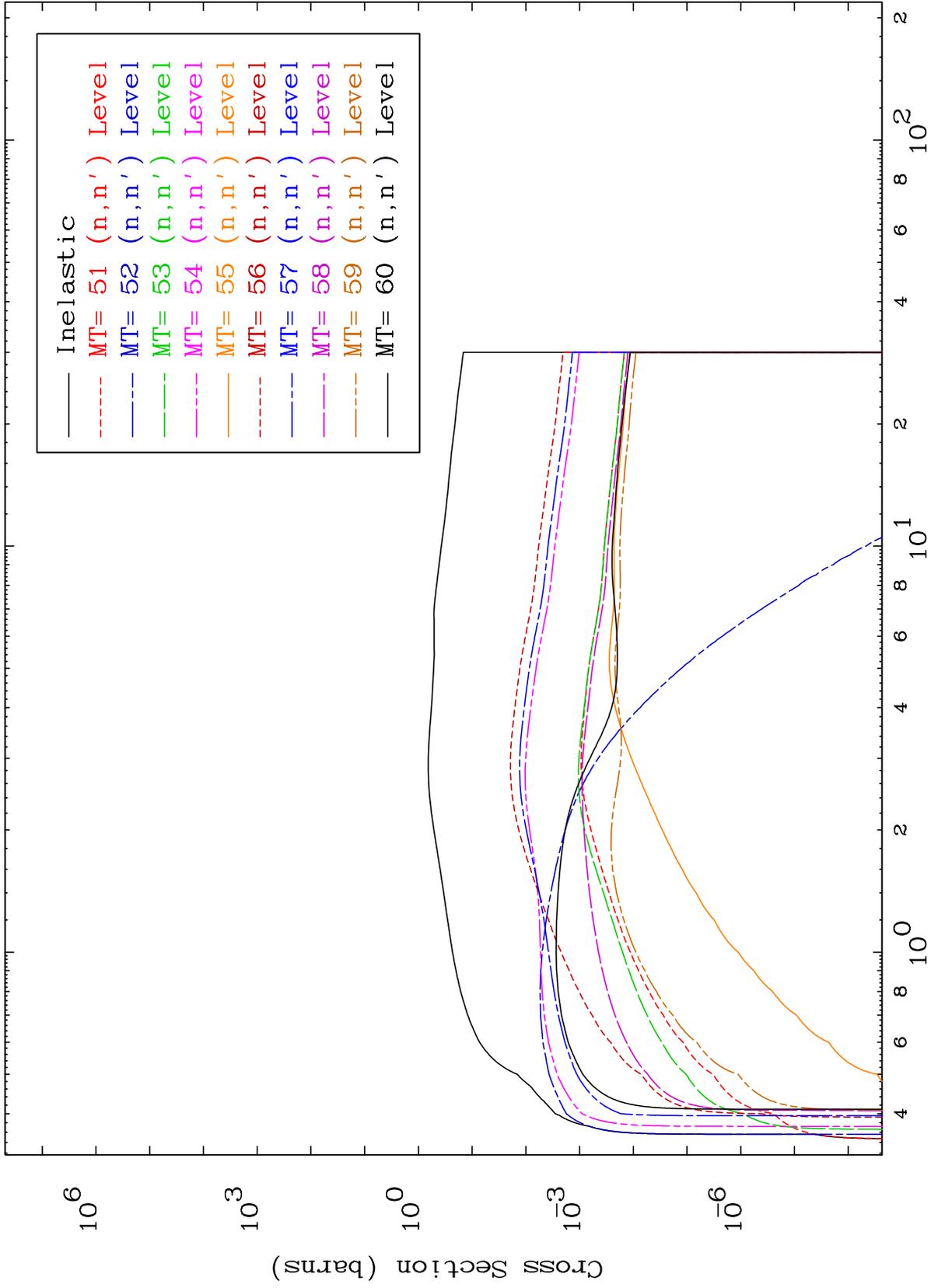


MAT 8595

(n,n') Levels

86-Rn-201

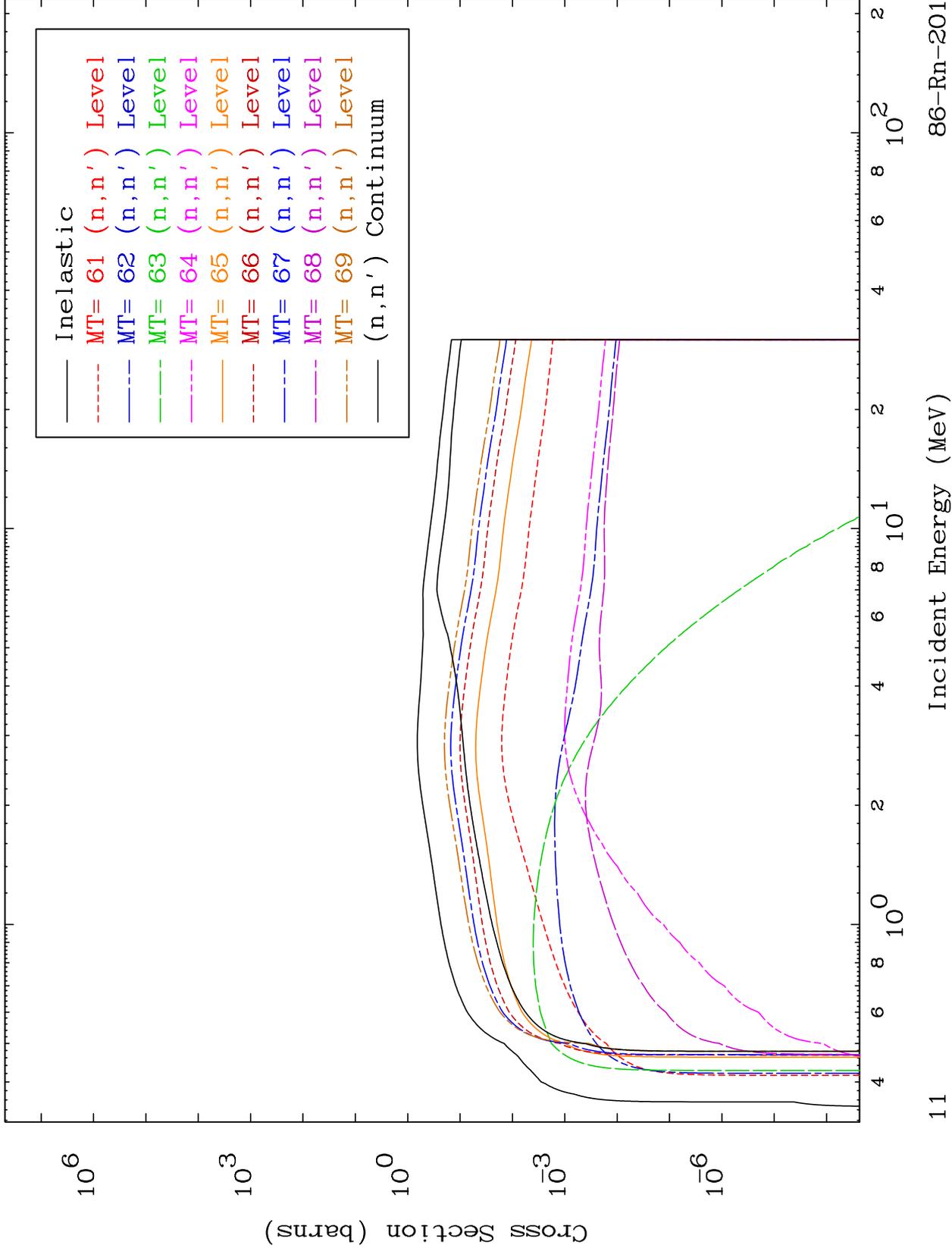
293 Kelvin Cross Sections



10

Incident Energy (MeV)

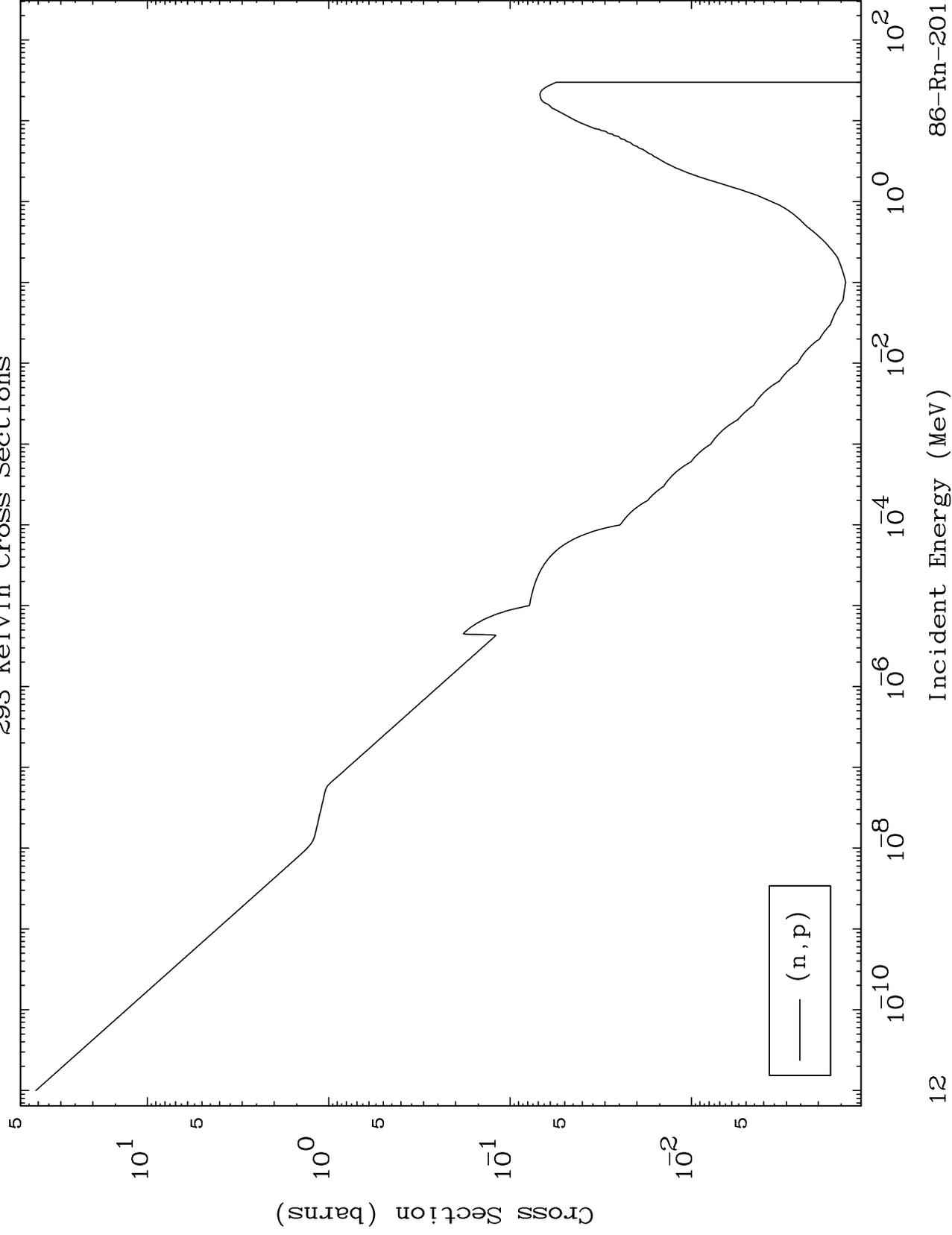
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MAT 8595

(n,p) Levels  
293 Kelvin Cross Sections

86-Rn-201



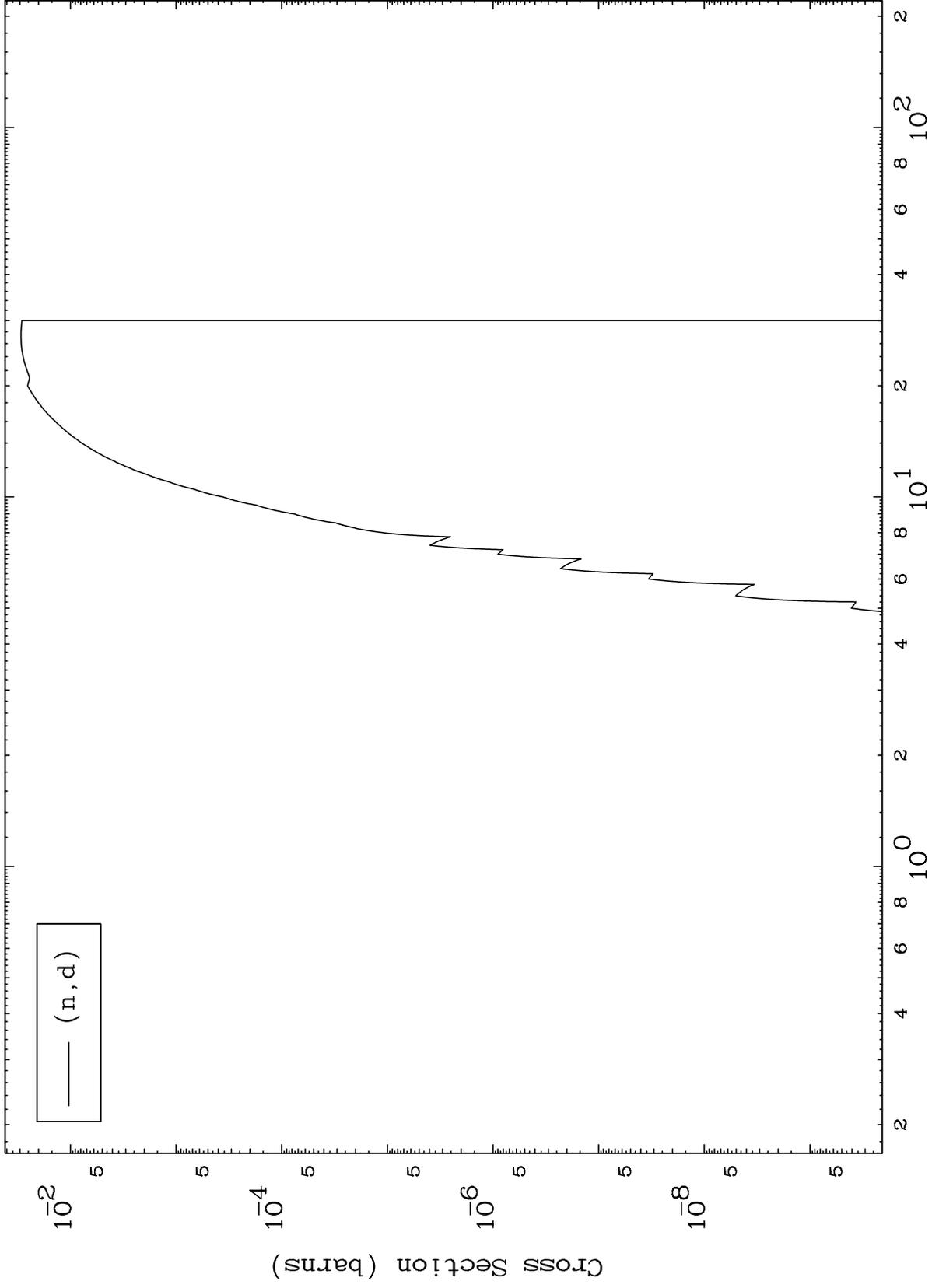
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86-Rn-201

MAT 8595

(n,d) Levels  
293 Kelvin Cross Sections

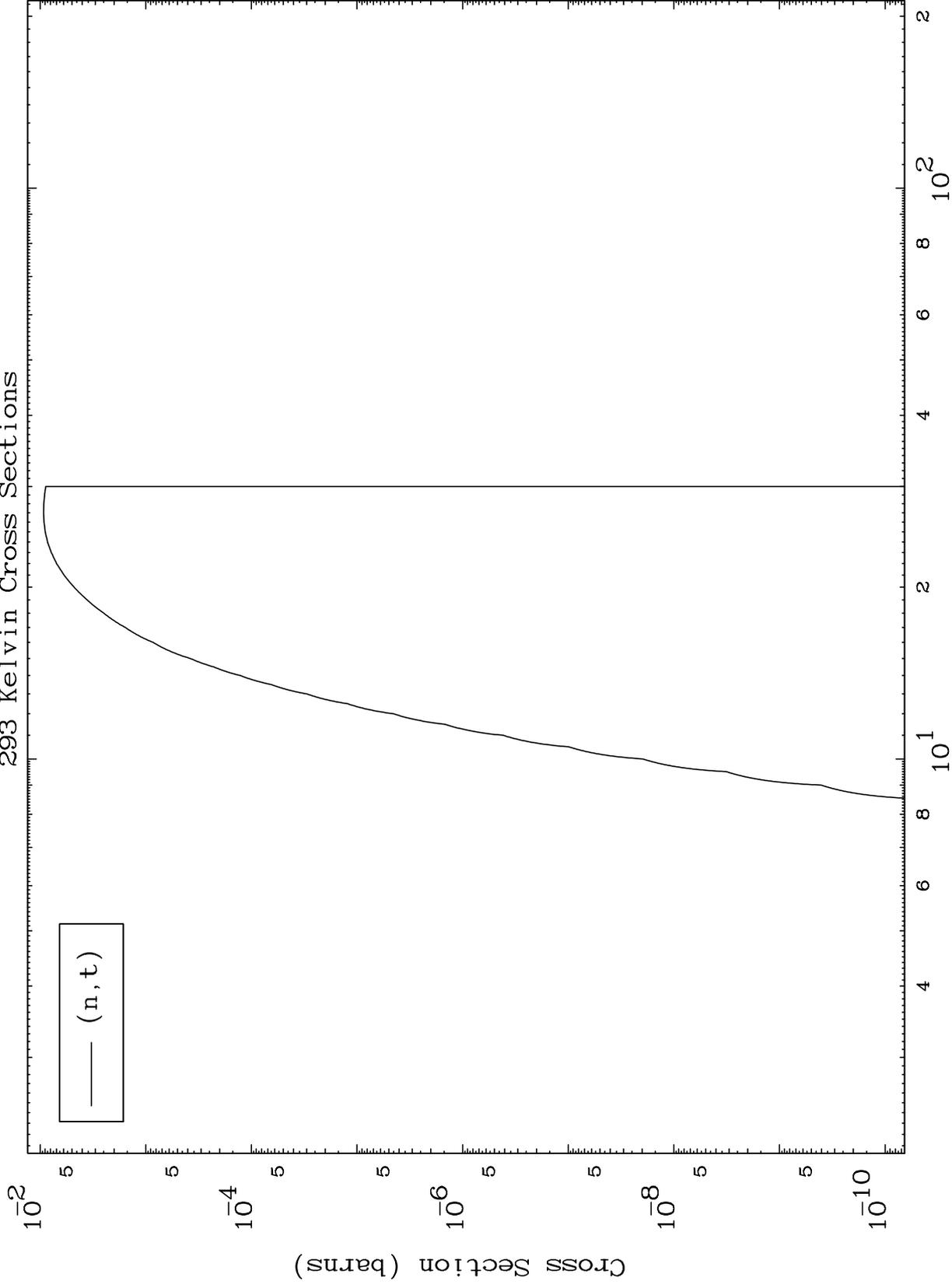
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MAT 8595

(n,t) Levels  
293 Kelvin Cross Sections

86-Rn-201



14

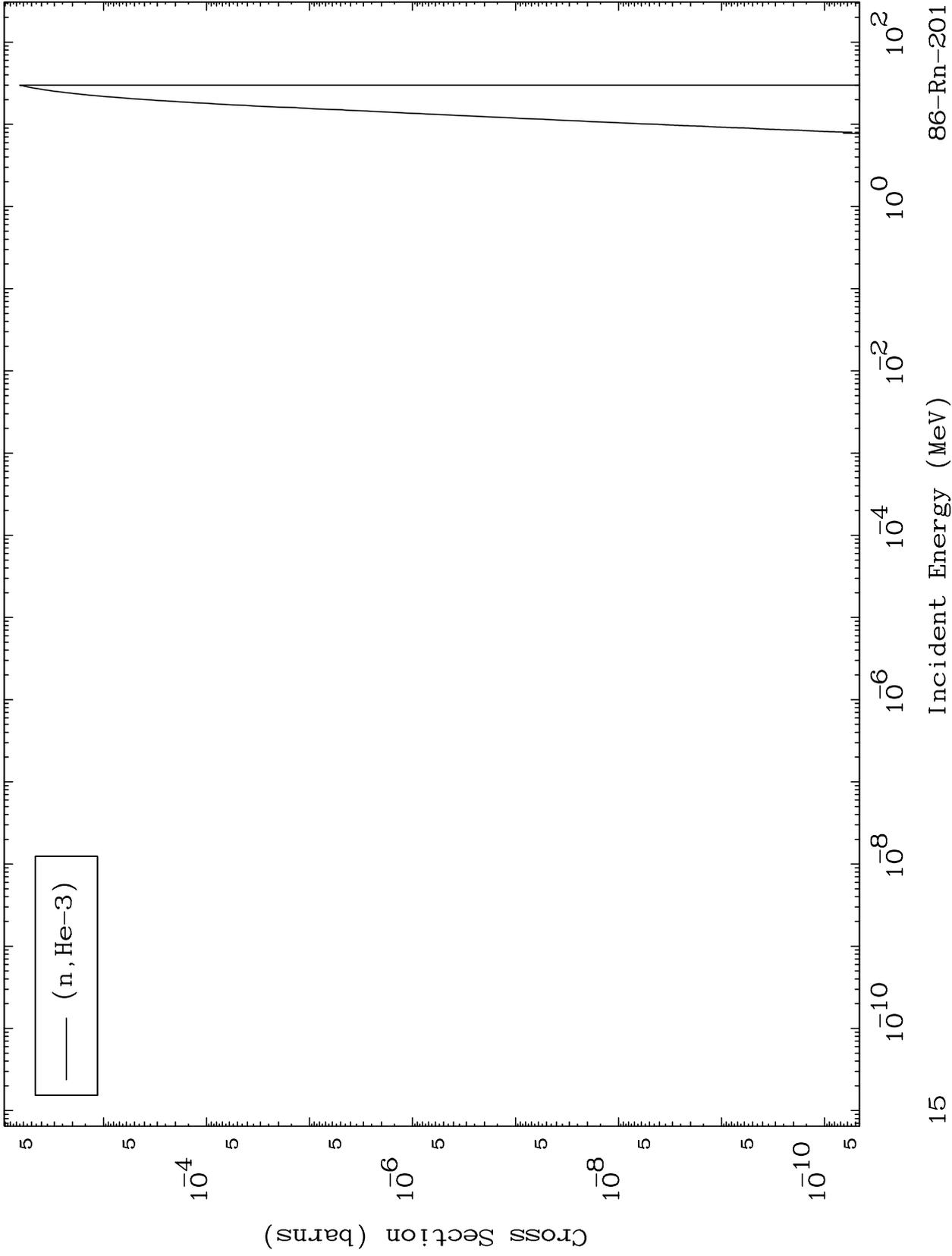
Incident Energy (MeV)

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(n,He3) Levels  
293 Kelvin Cross Sections

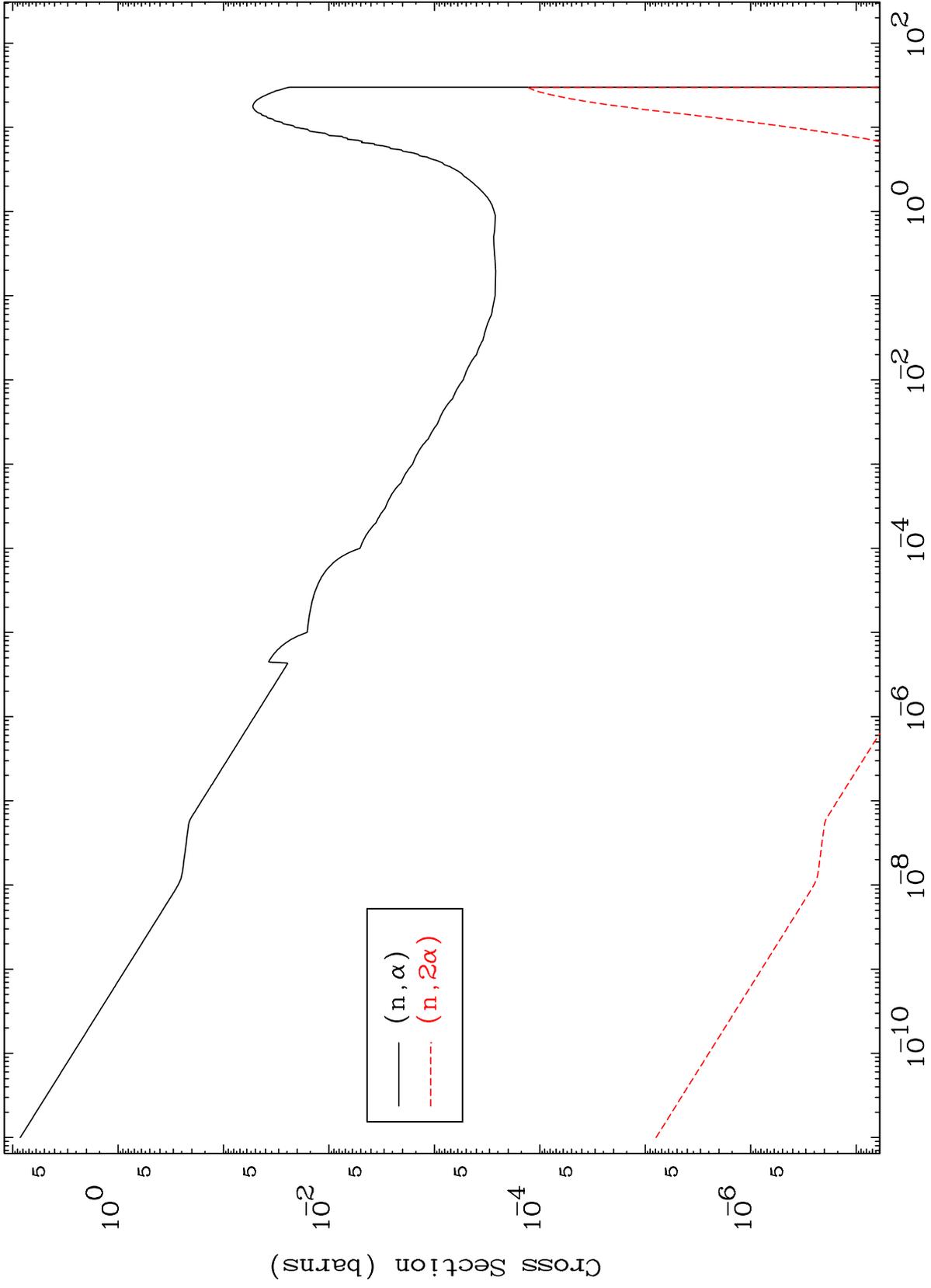
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(n,α) Levels  
293 Kelvin Cross Sections

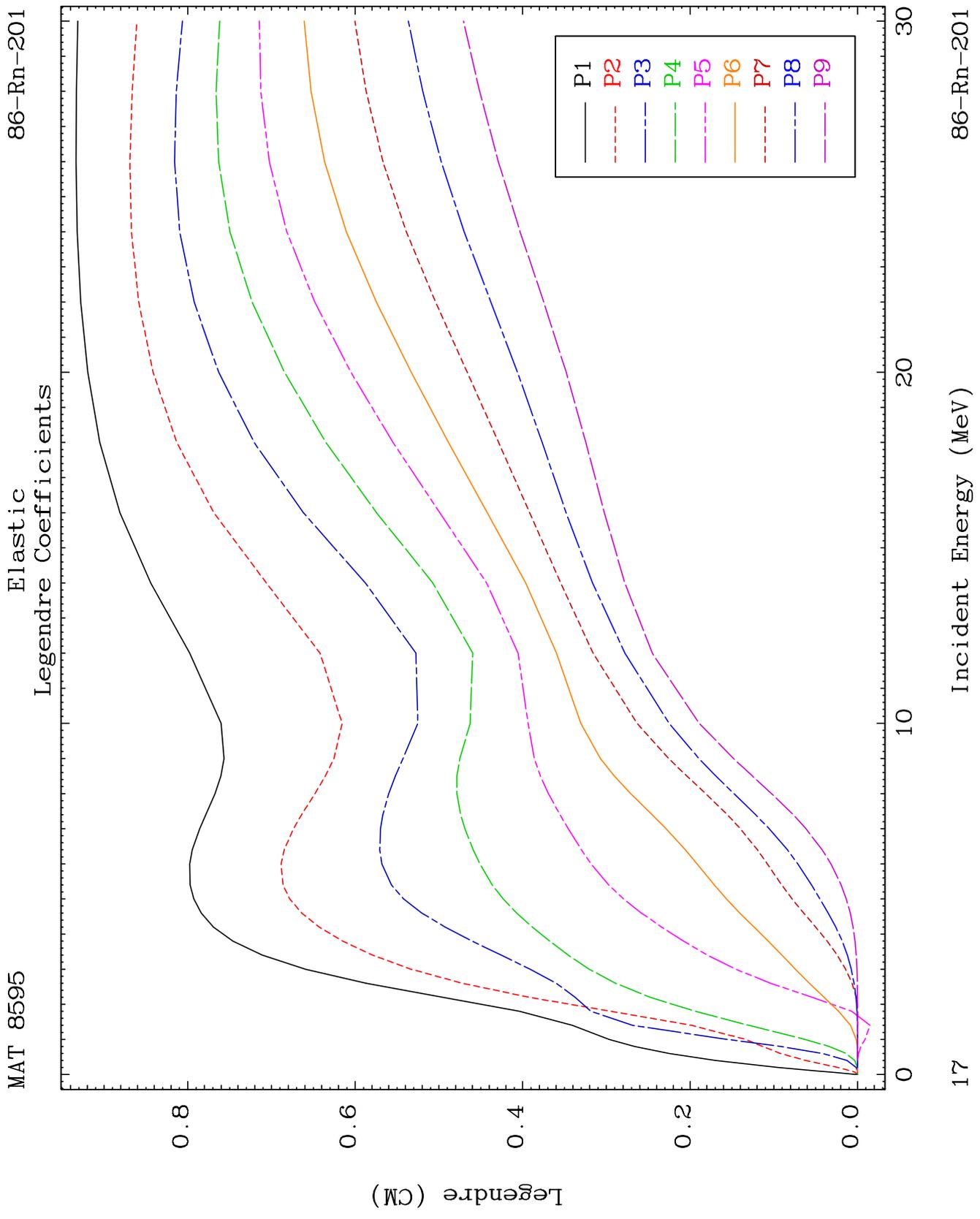
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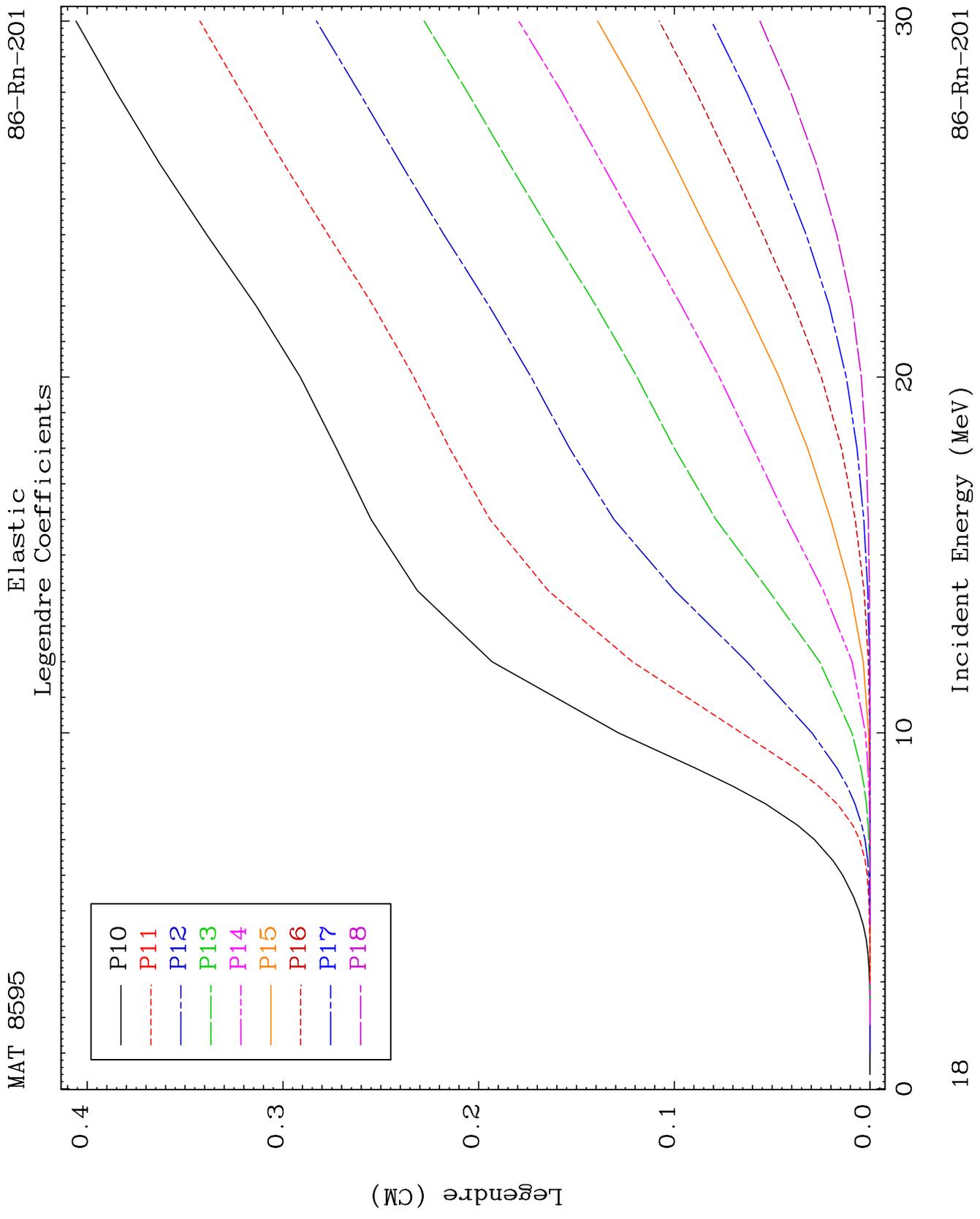


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Incident Energy (MeV)

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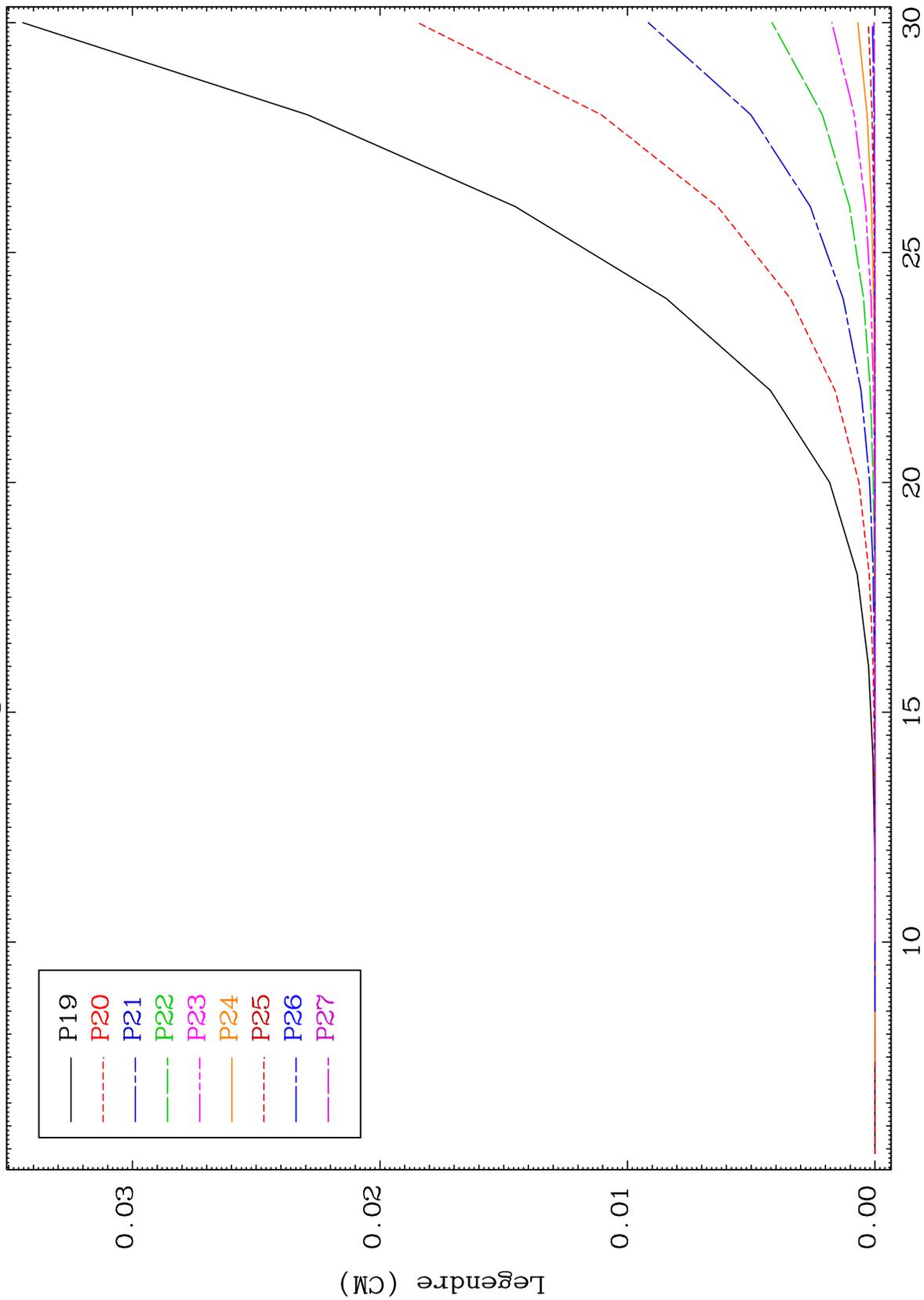




MAT 8595

### Elastic Legendre Coefficients

86-Rn-201



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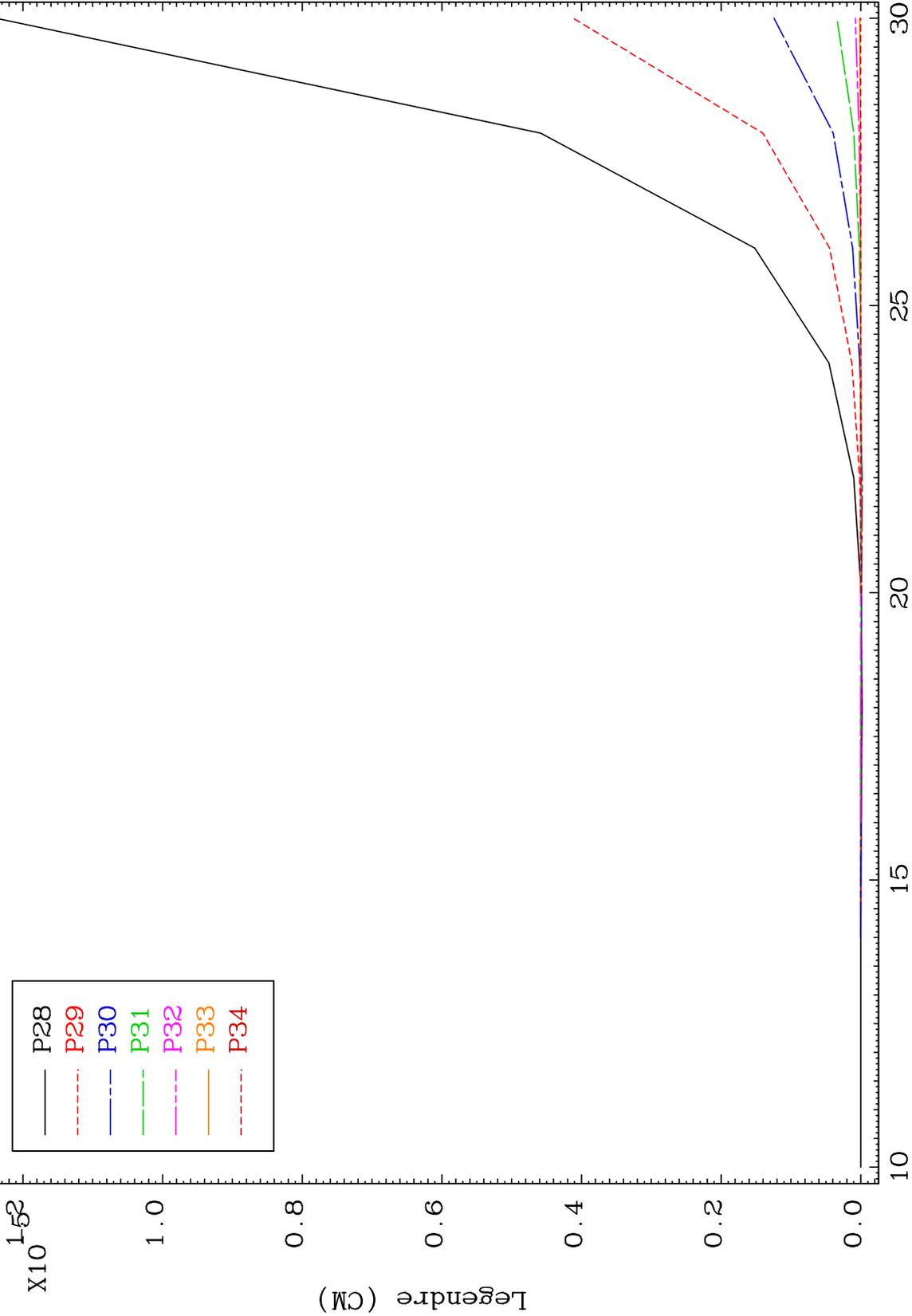
Incident Energy (MeV)

86-Rn-201

MAT 8595

Elastic Legendre Coefficients

86-Rn-201



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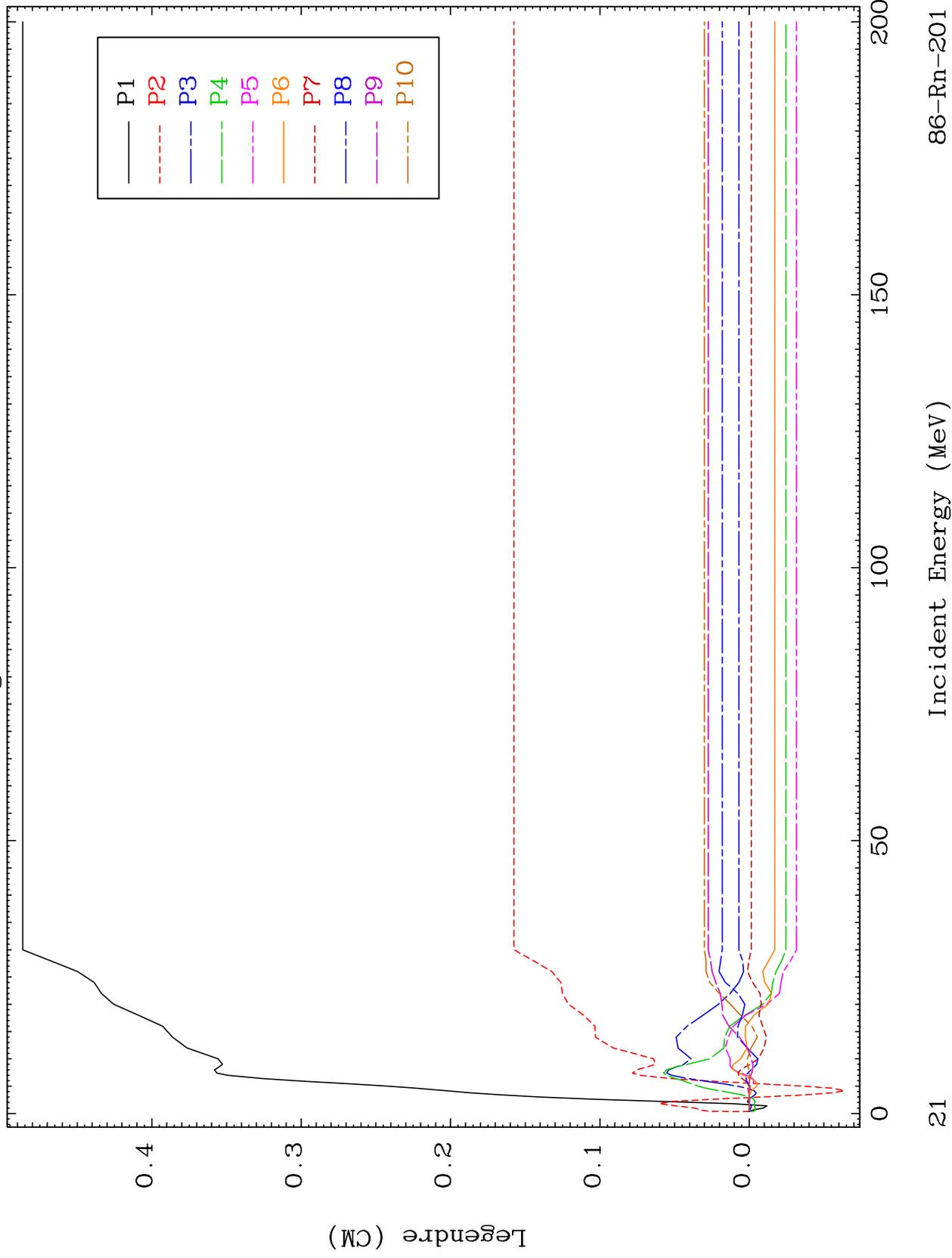
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

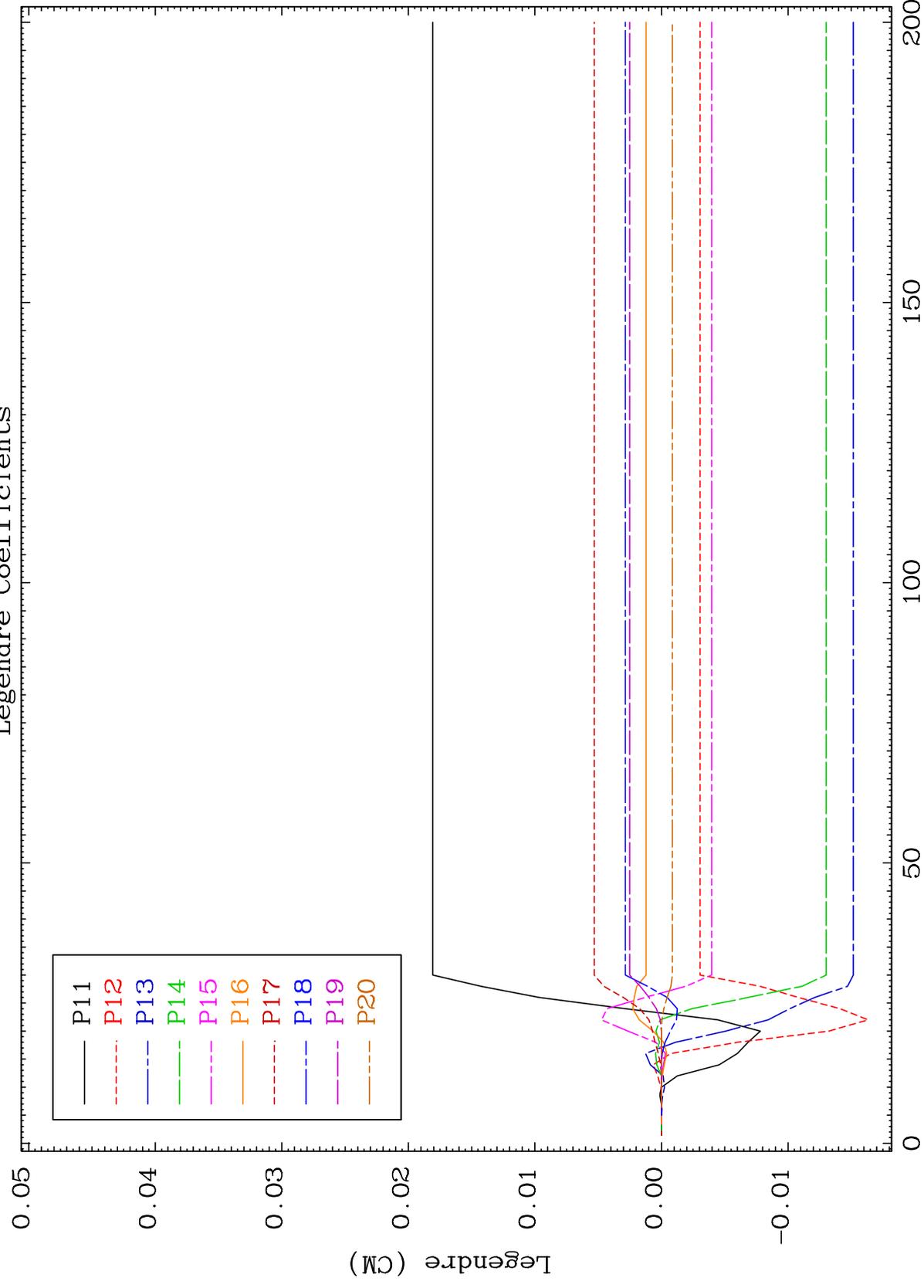
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MAT 8595

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

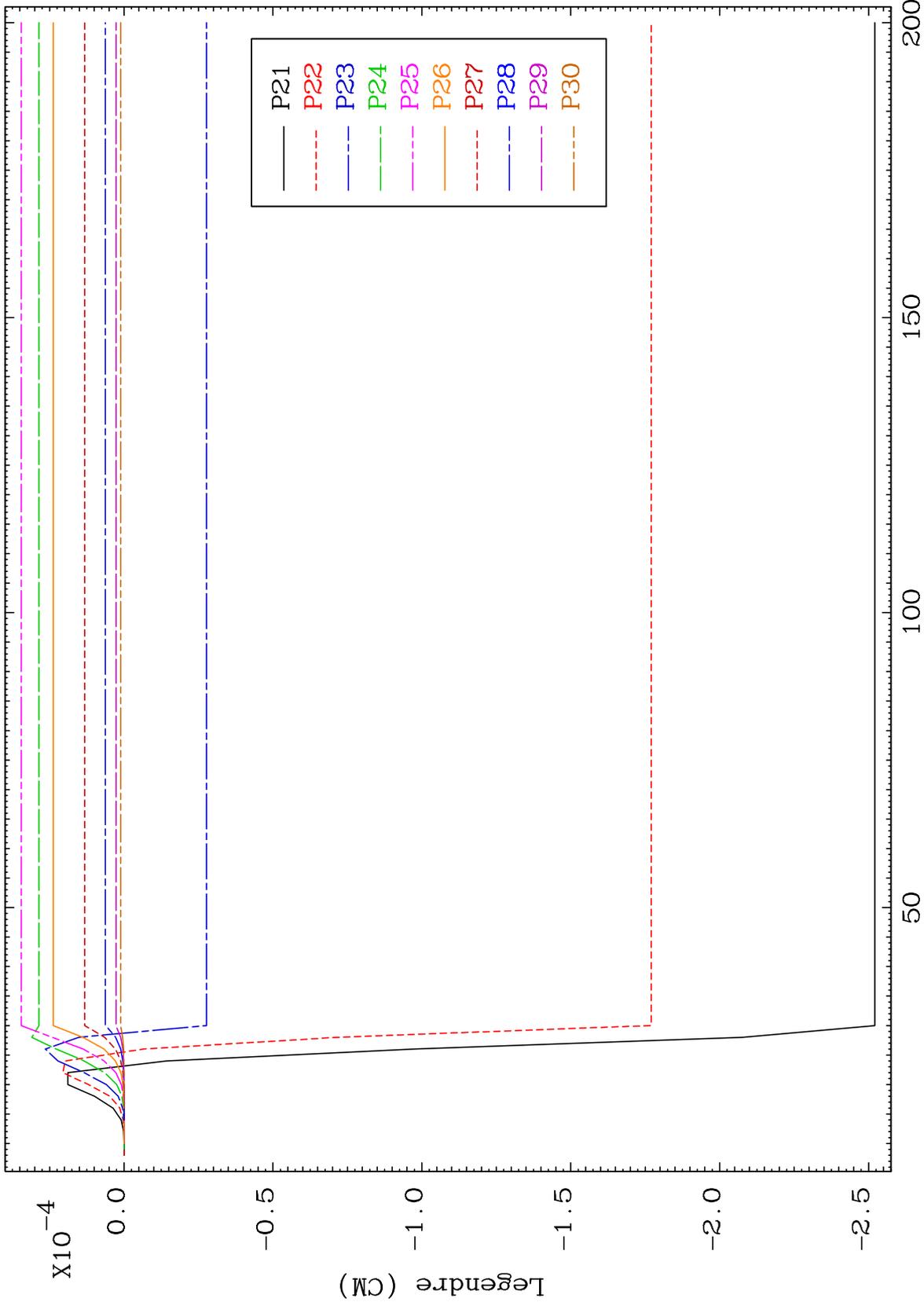
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MAT 8595

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

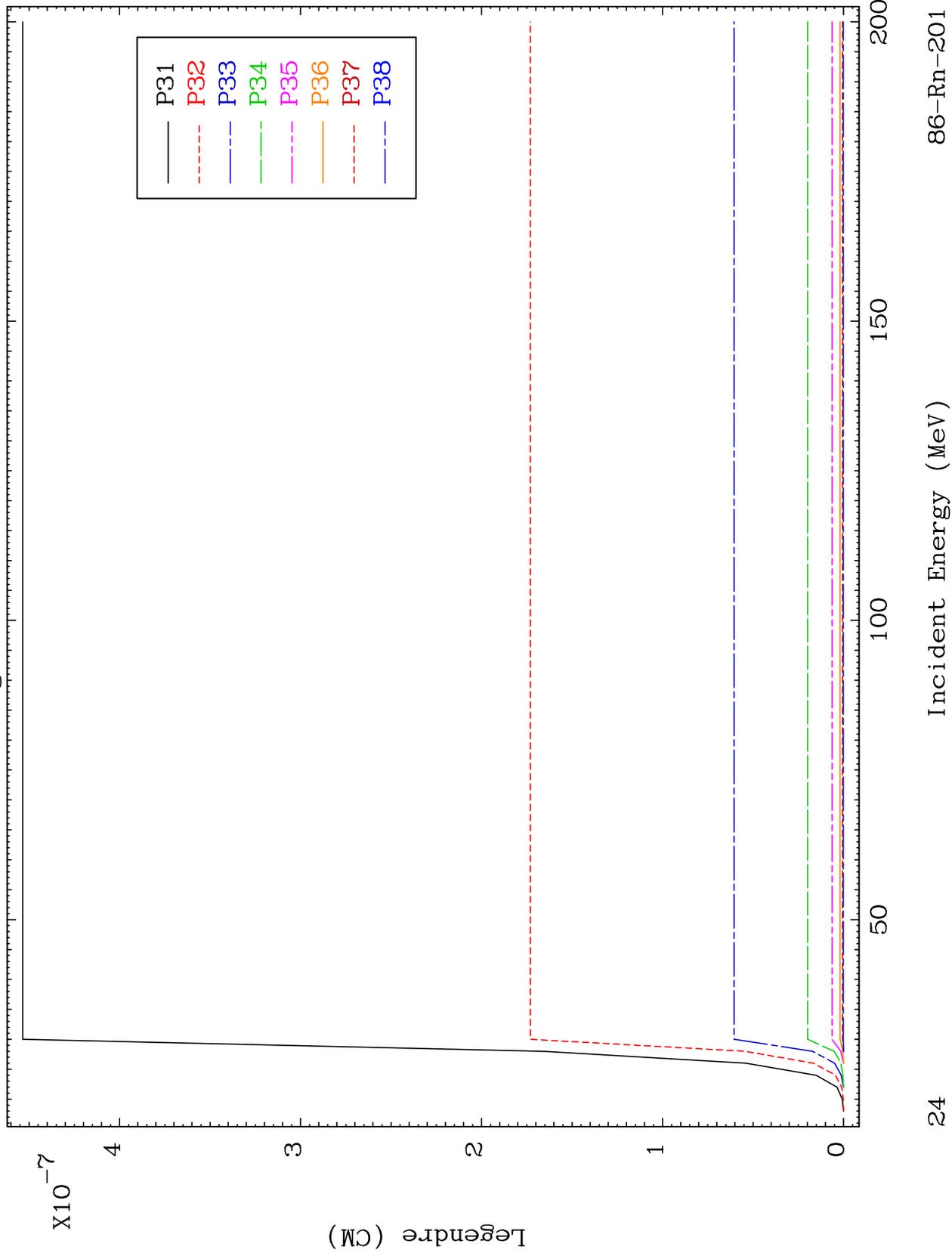
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MAT 8595

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

86-Rn-201



24

Incident Energy (MeV)

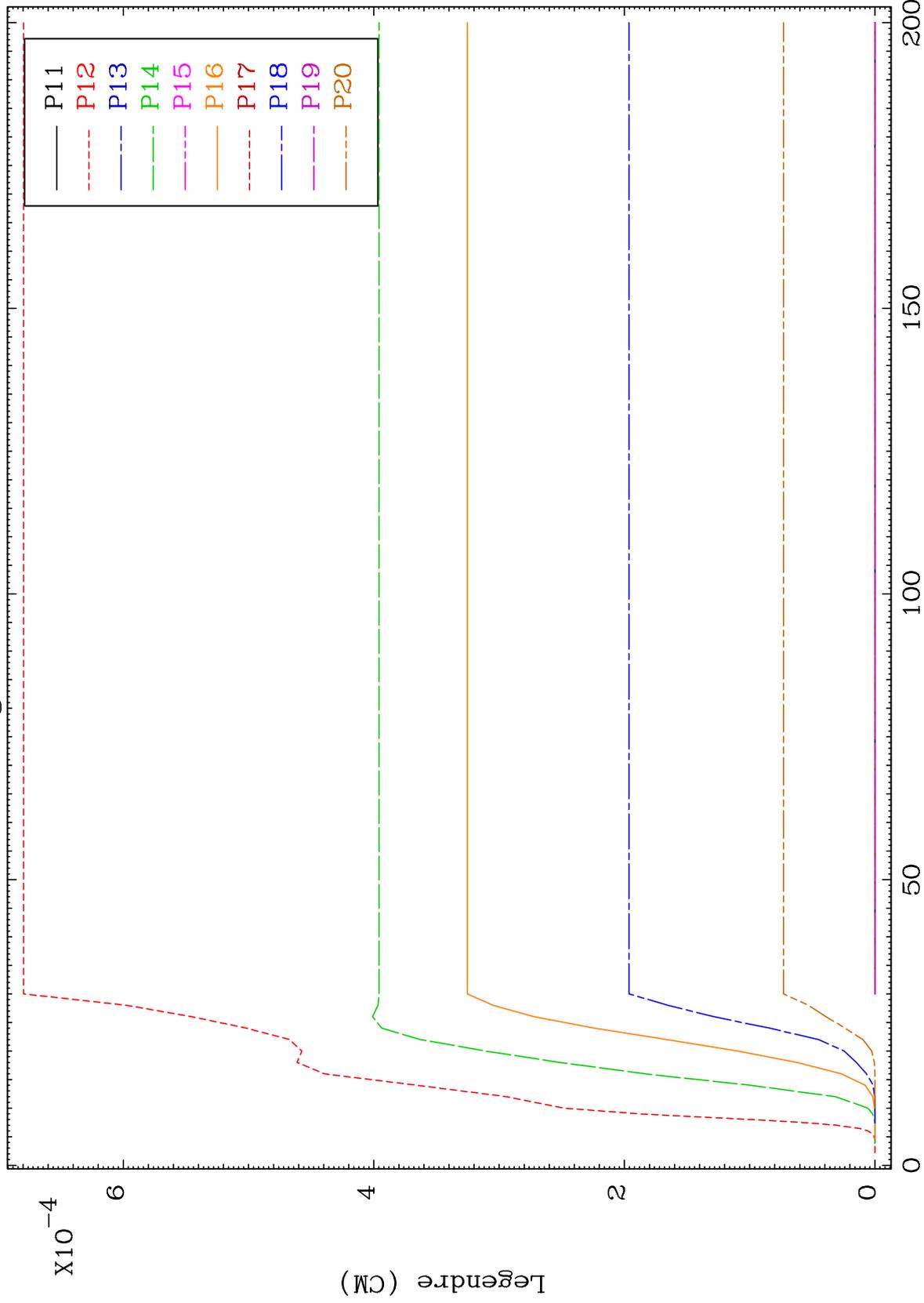
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MAT 8595

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

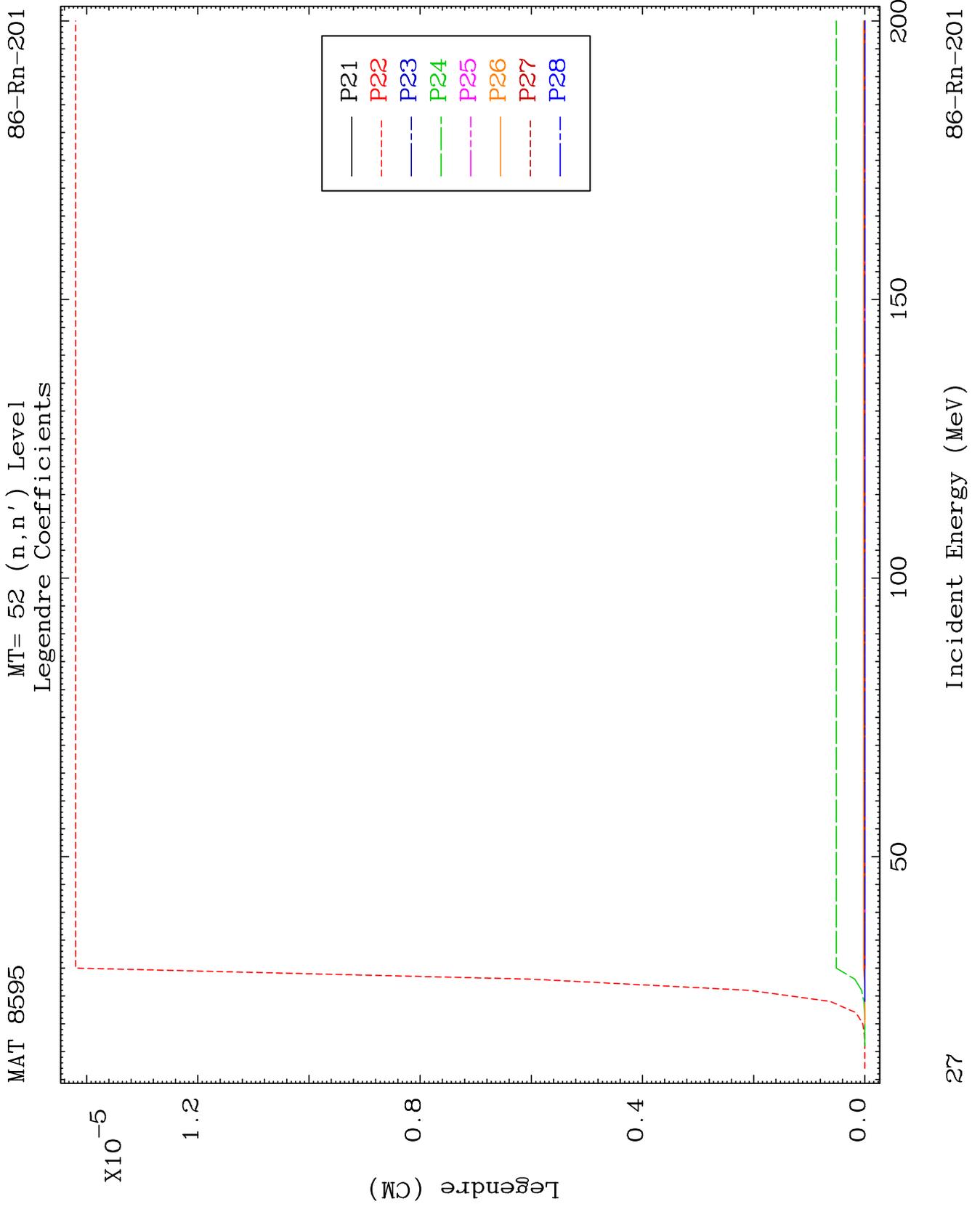
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26

Incident Energy (MeV)

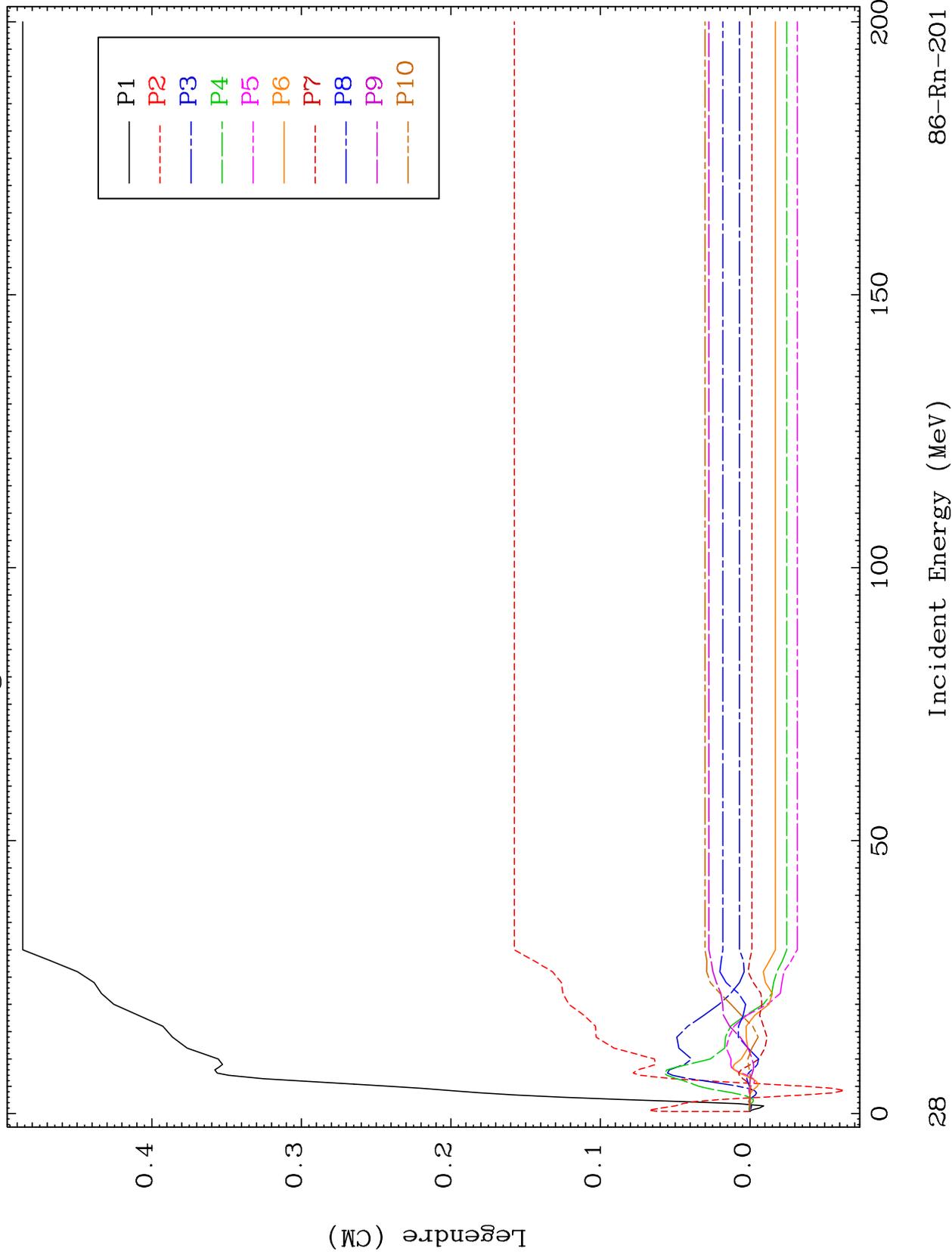
86-Rn-201



MAT 8595

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

86-Rn-201



86-Rn-201

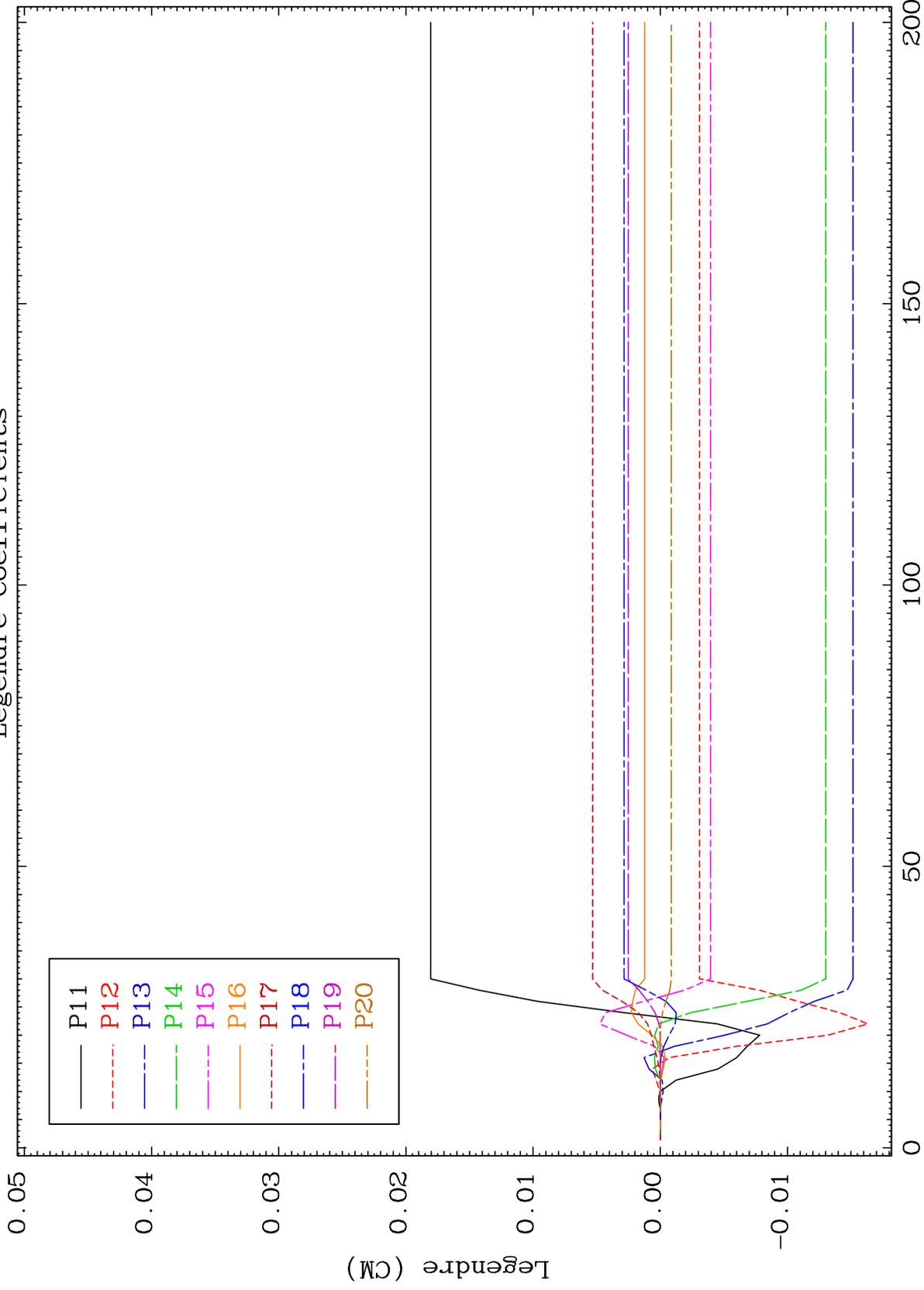
Incident Energy (MeV)

28

MAT 8595

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

86-Rn-201



29

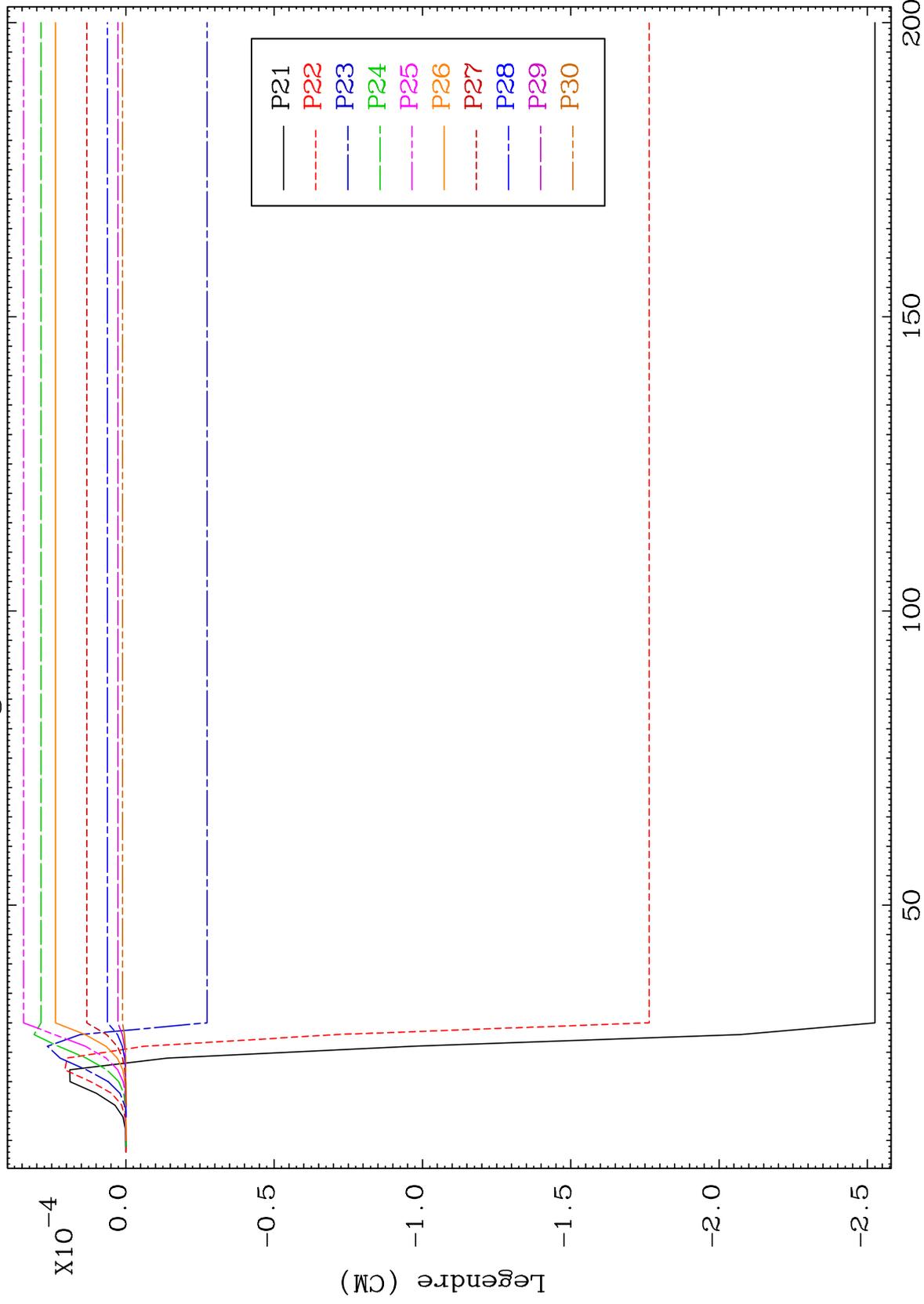
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



30

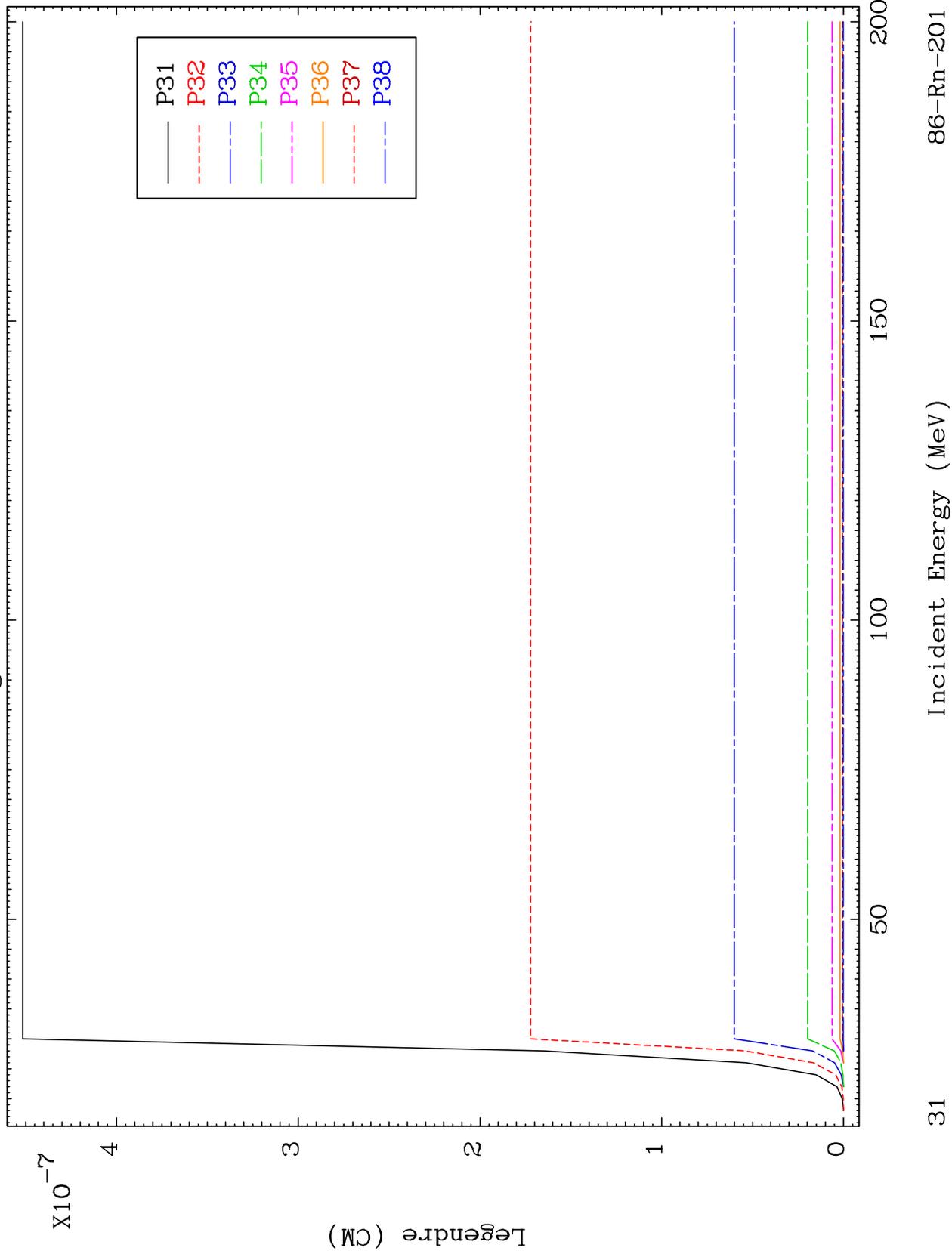
Incident Energy (MeV)

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MAT 8595

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

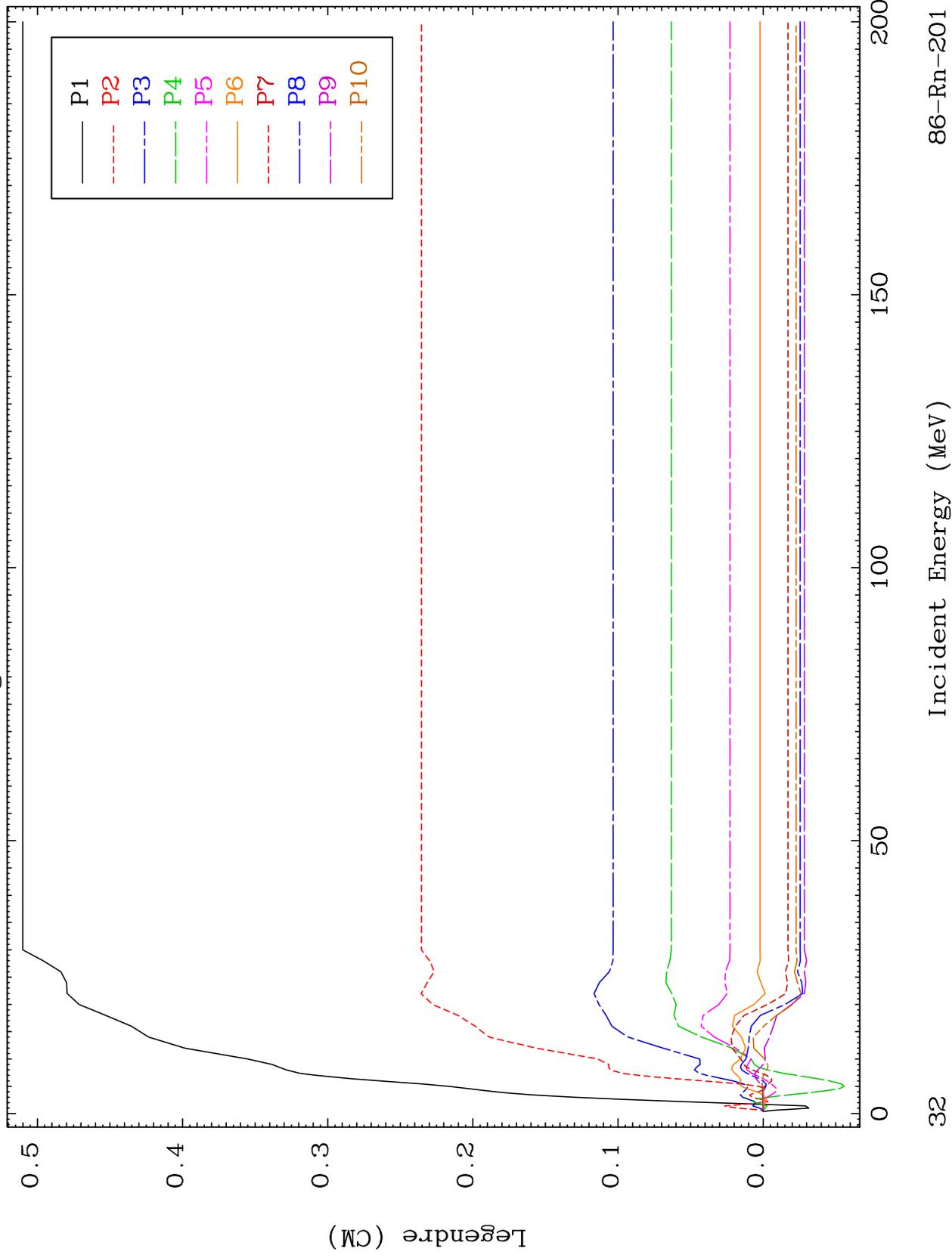
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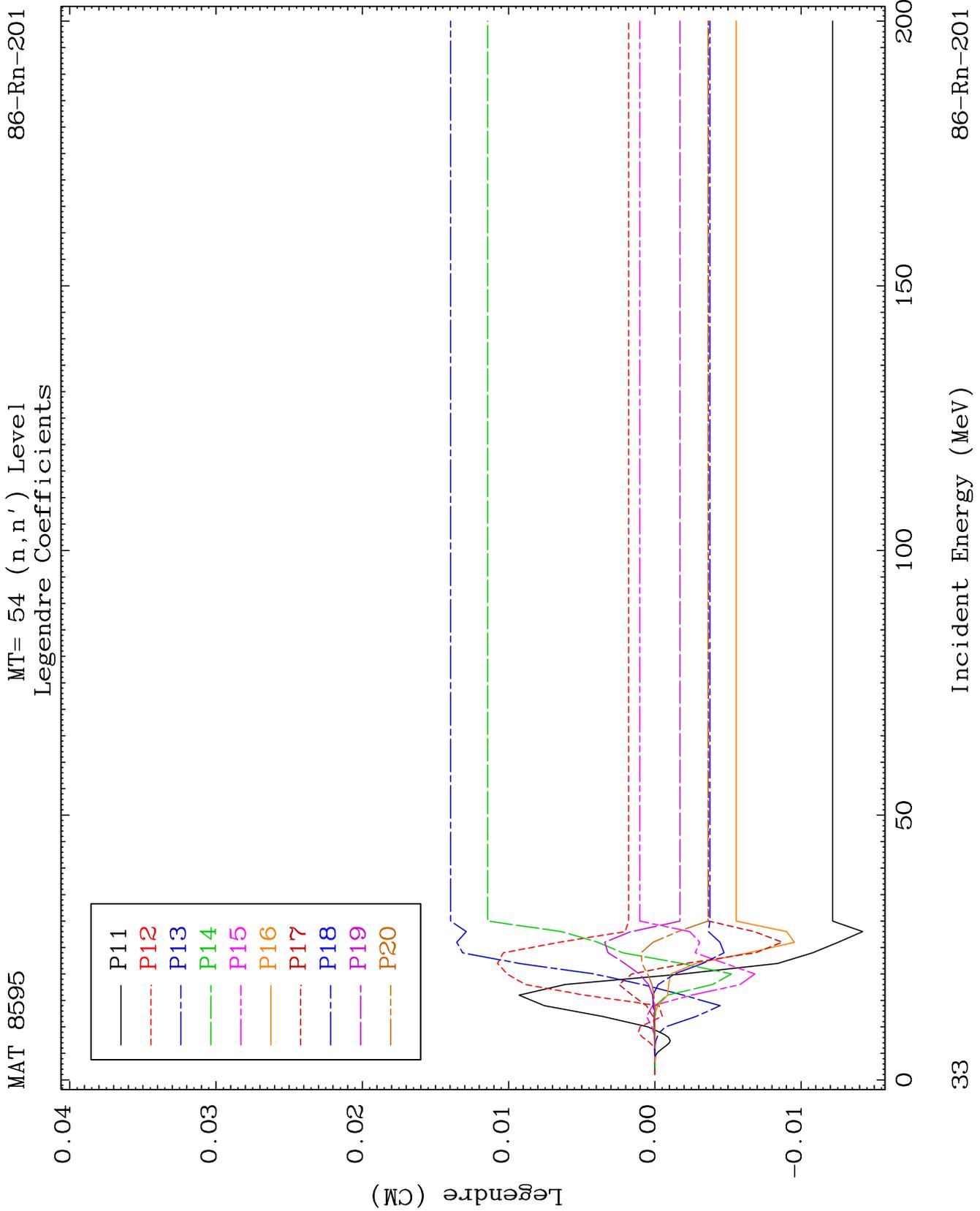
MT= 54 (n,n') Level  
Legendre Coefficients

86-Rn-201



32

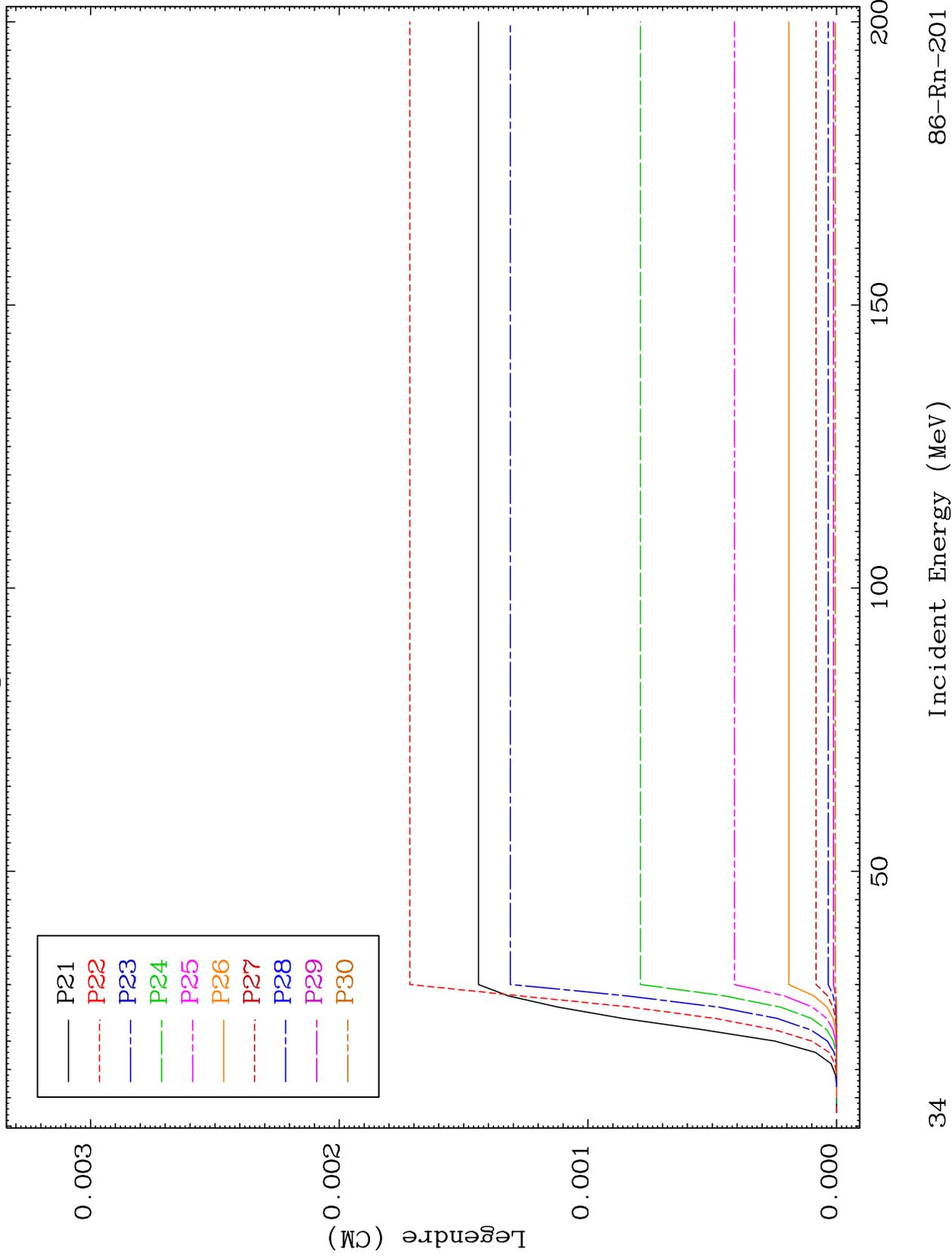
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MAT 8595

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

86-Rn-201



34

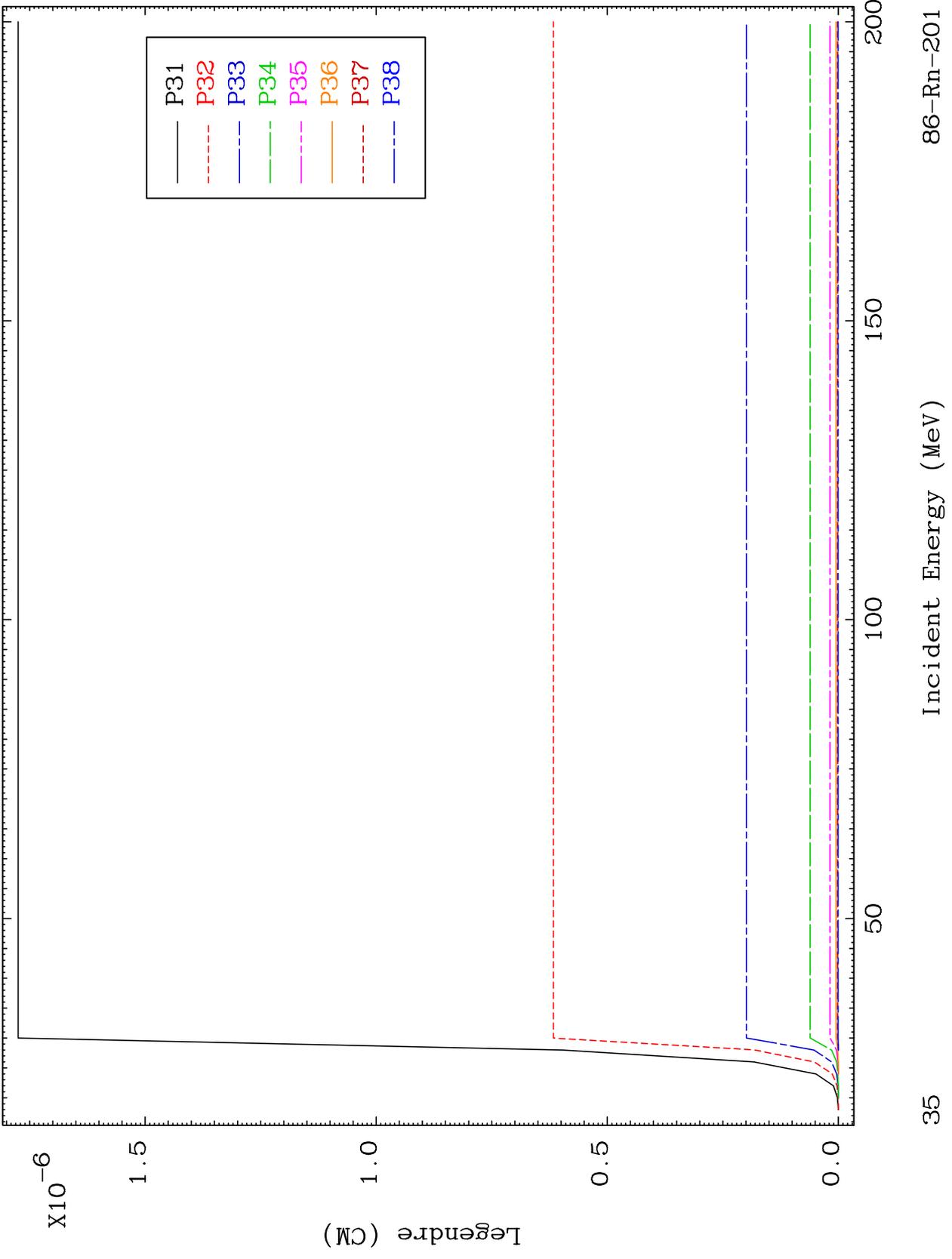
Incident Energy (MeV)

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MAT 8595

MT= 54 (n,n') Level  
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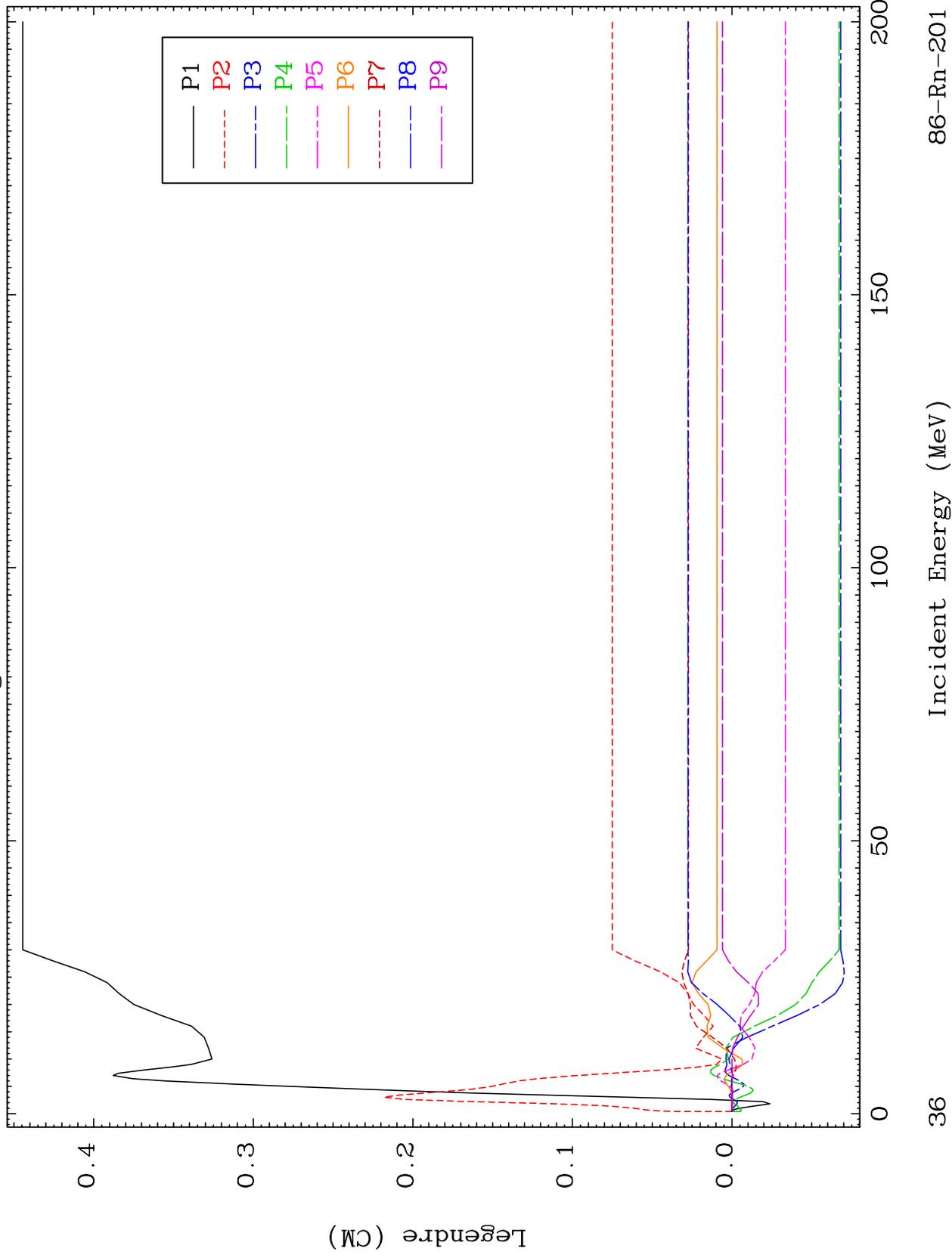
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MAT 8595

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

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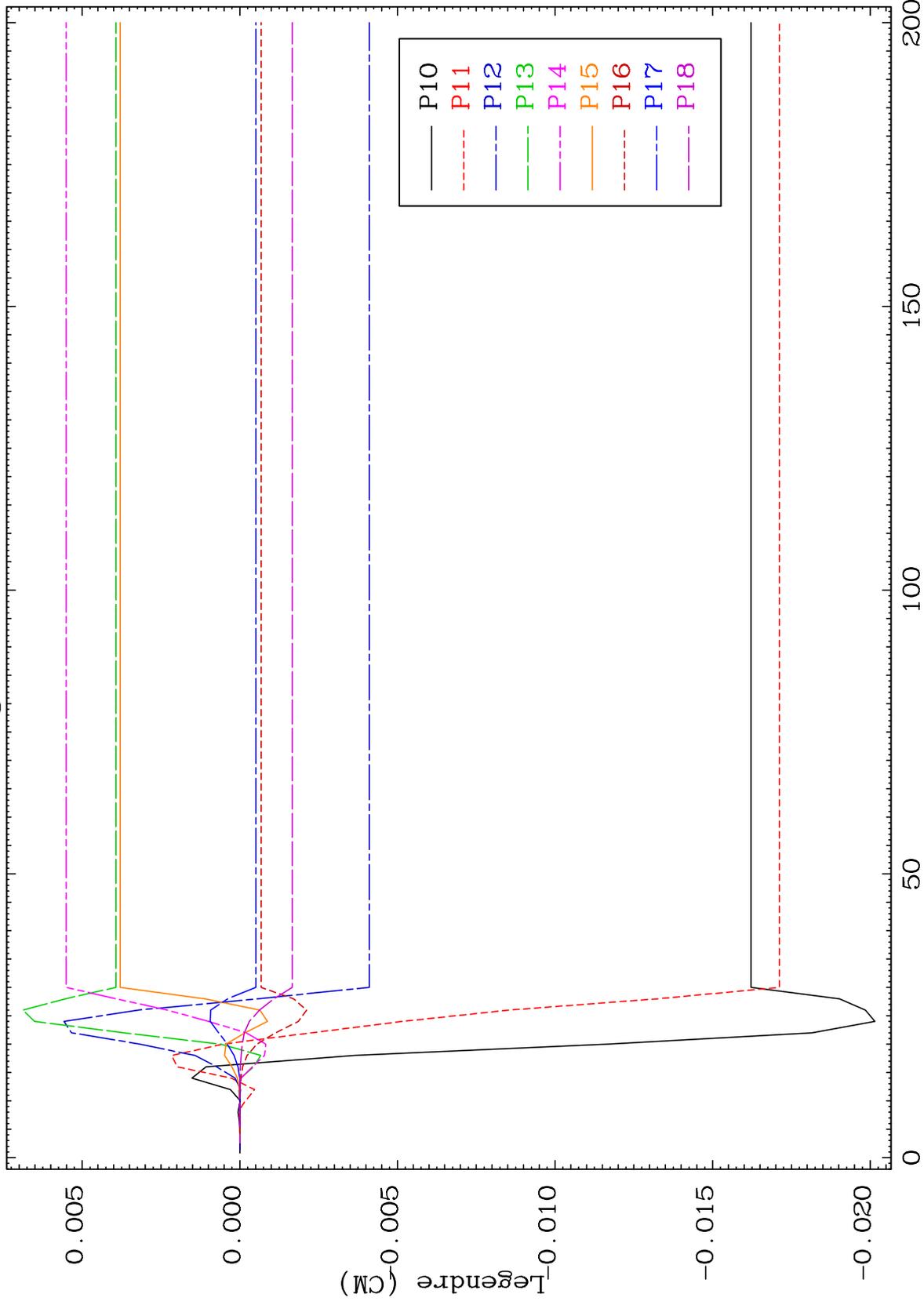
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86-Rn-201

MAT 8595

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

86-Rn-201



37

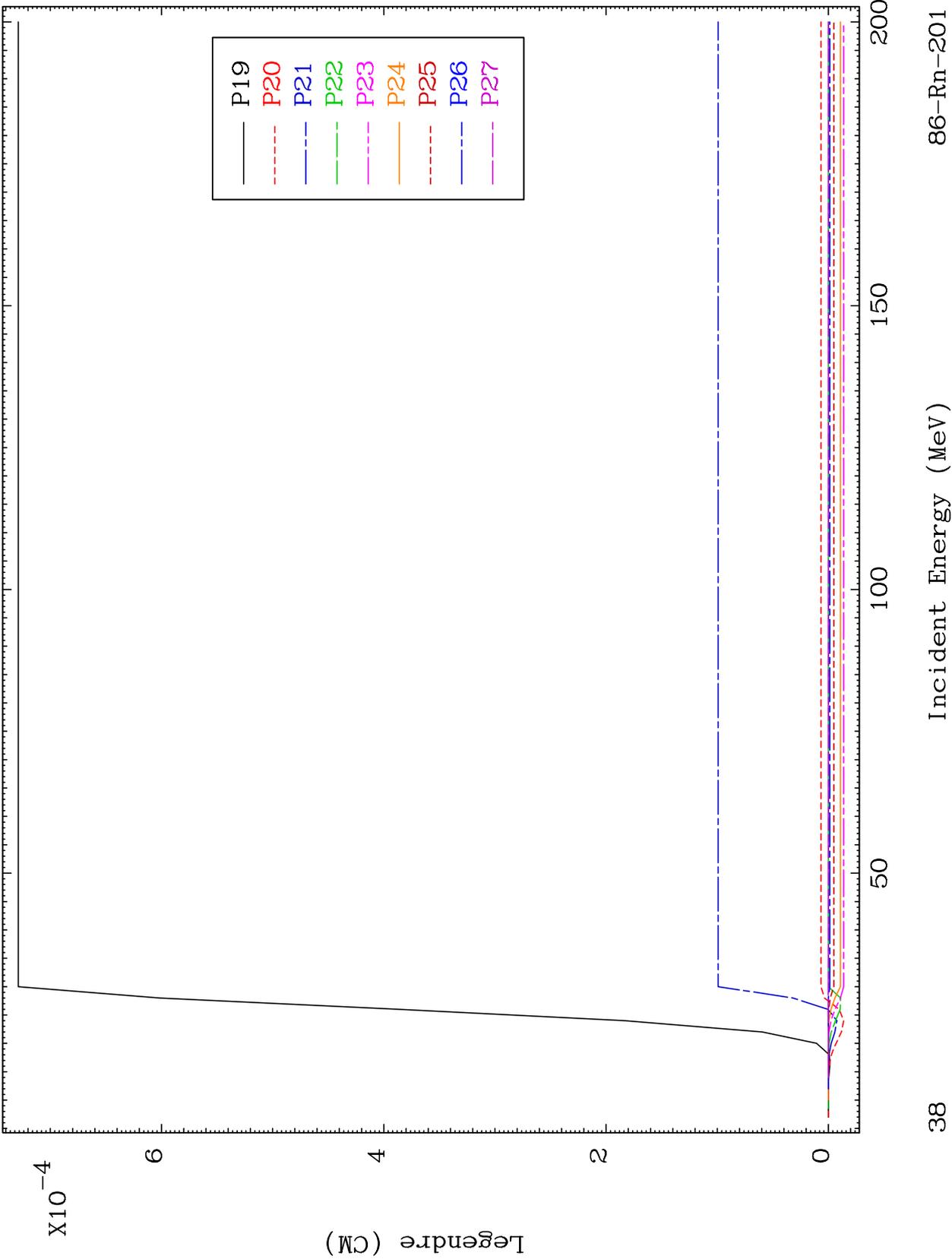
Incident Energy (MeV)

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MAT 8595

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

86-Rn-201



38

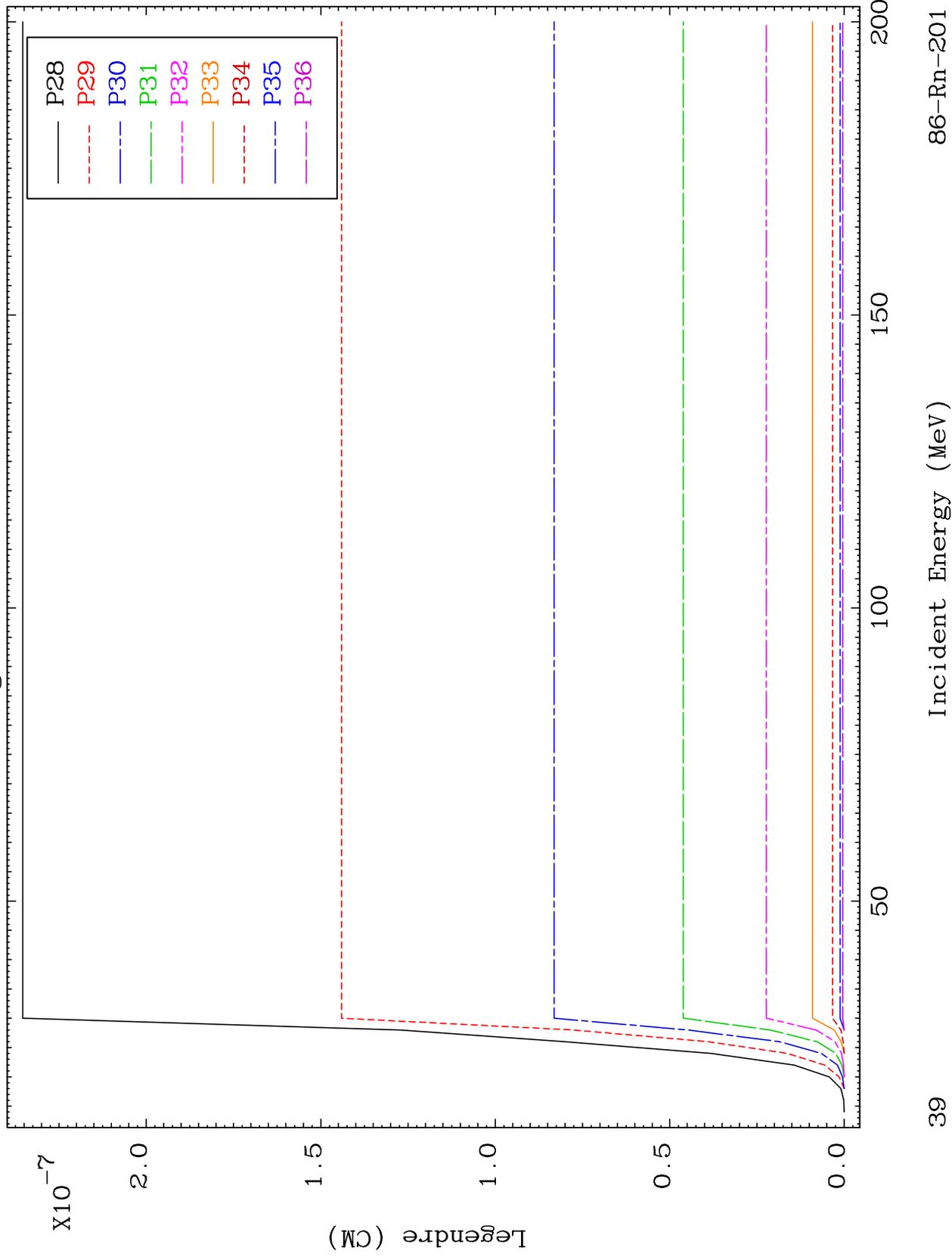
Incident Energy (MeV)

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MAT 8595

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

86-Rn-201



39

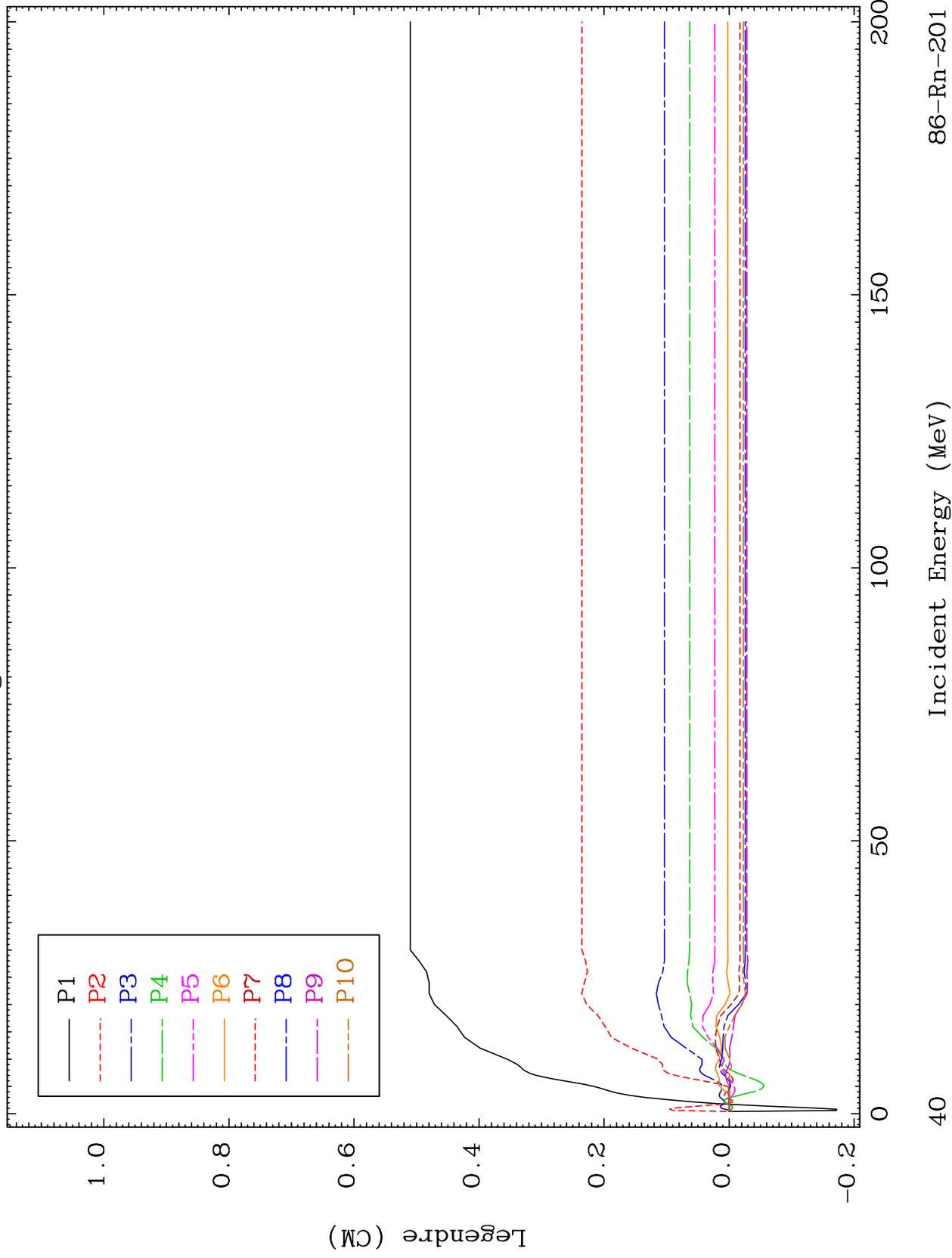
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



86-Rn-201

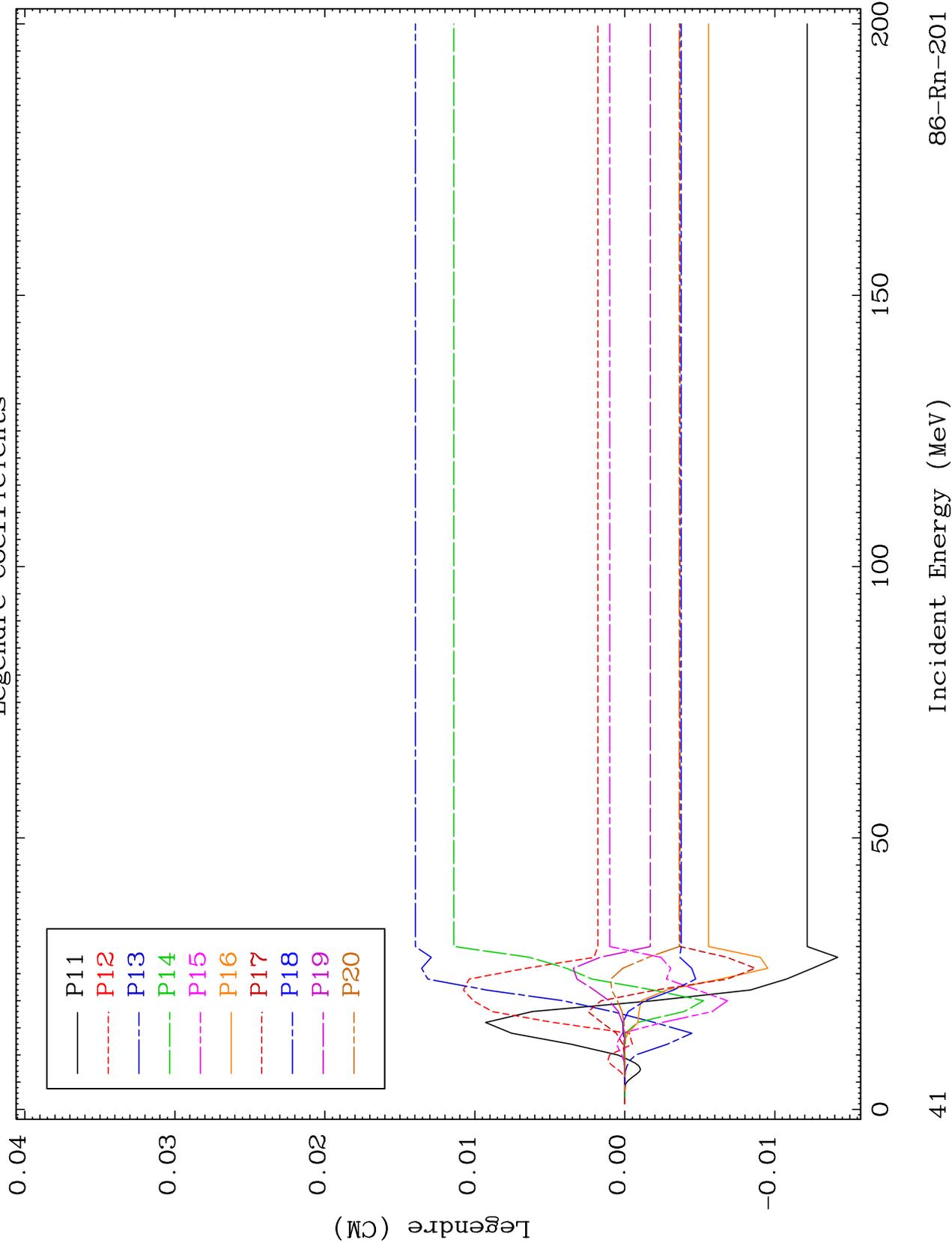
Incident Energy (MeV)

40

MAT 8595

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

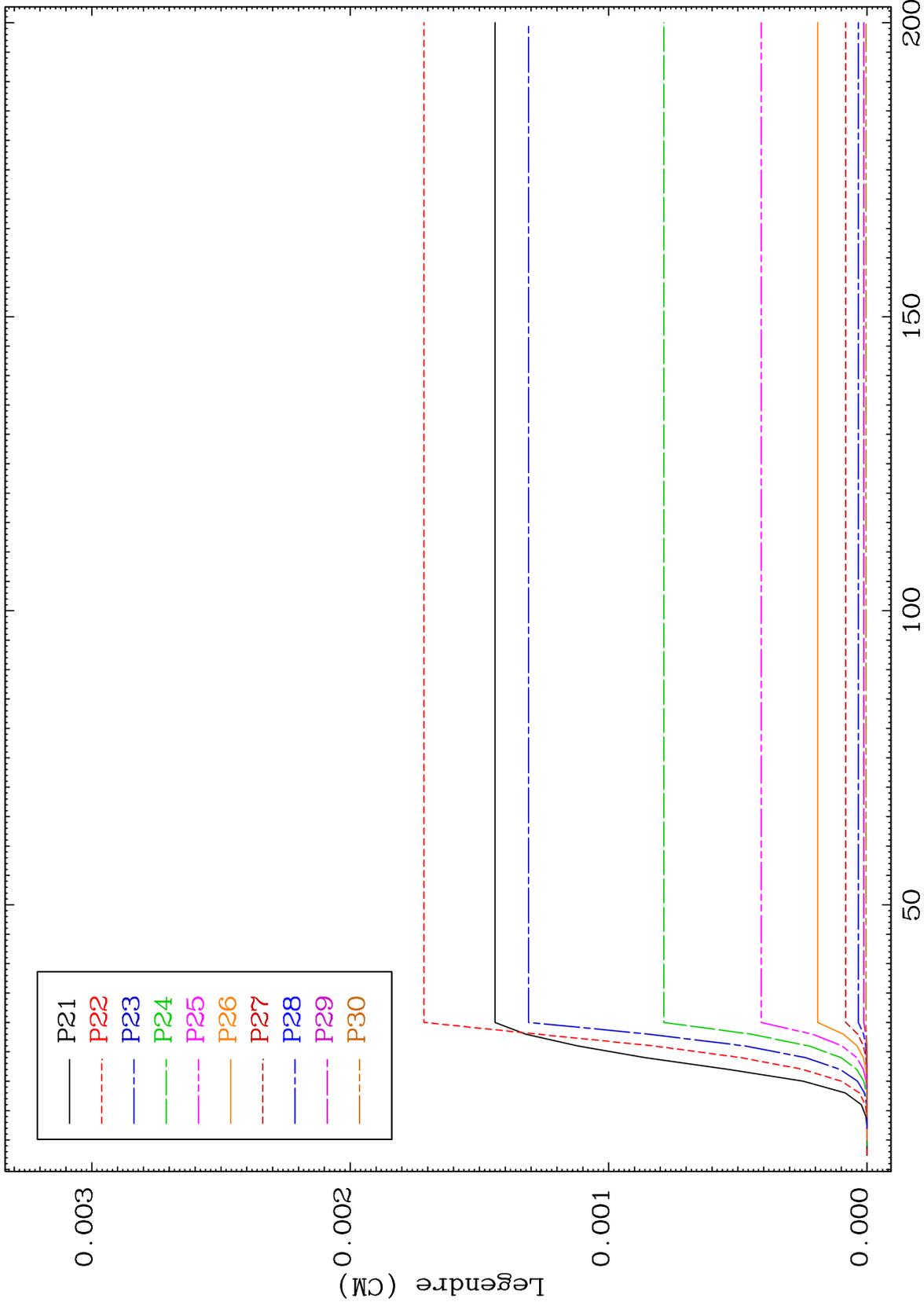
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MAT 8595

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

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42

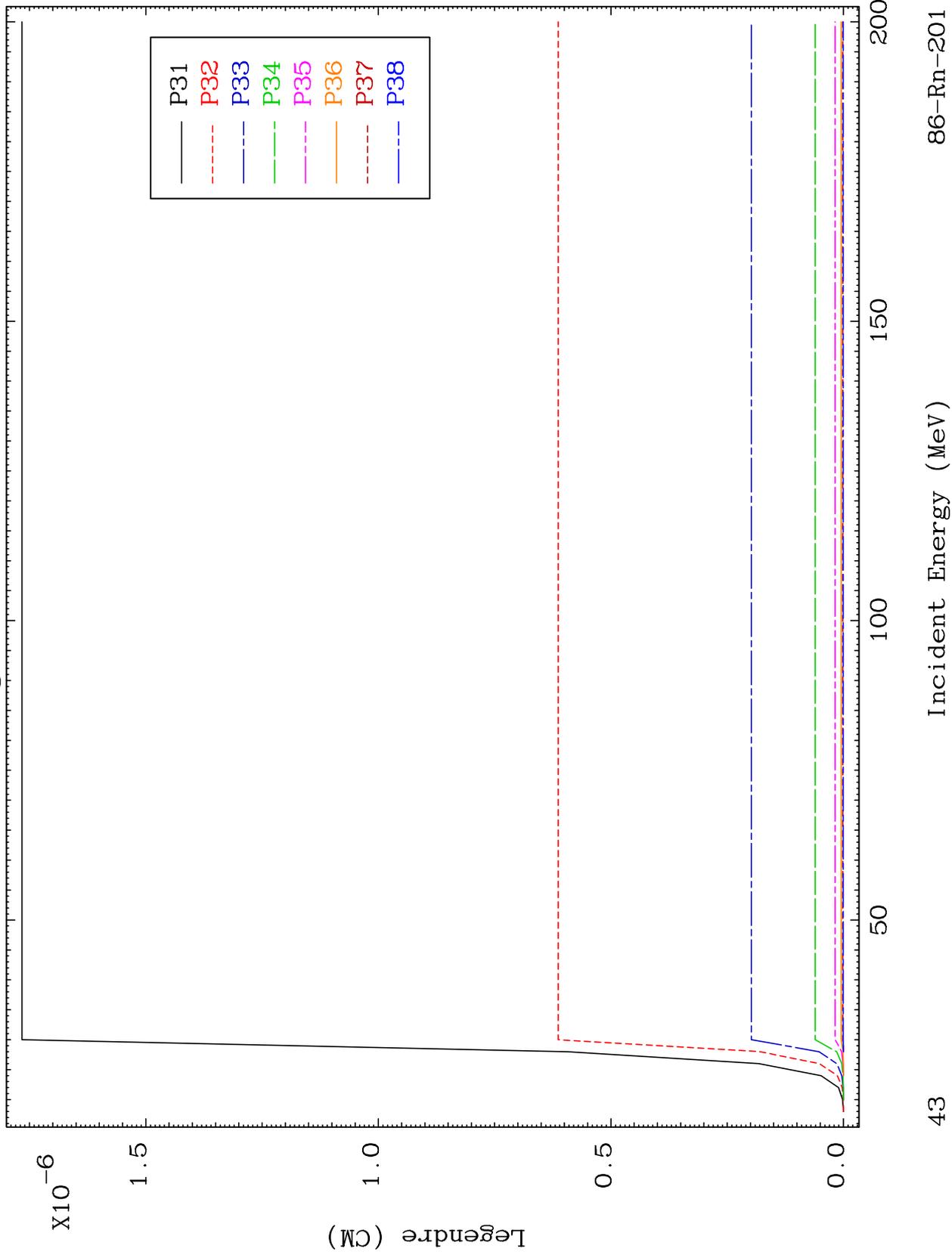
Incident Energy (MeV)

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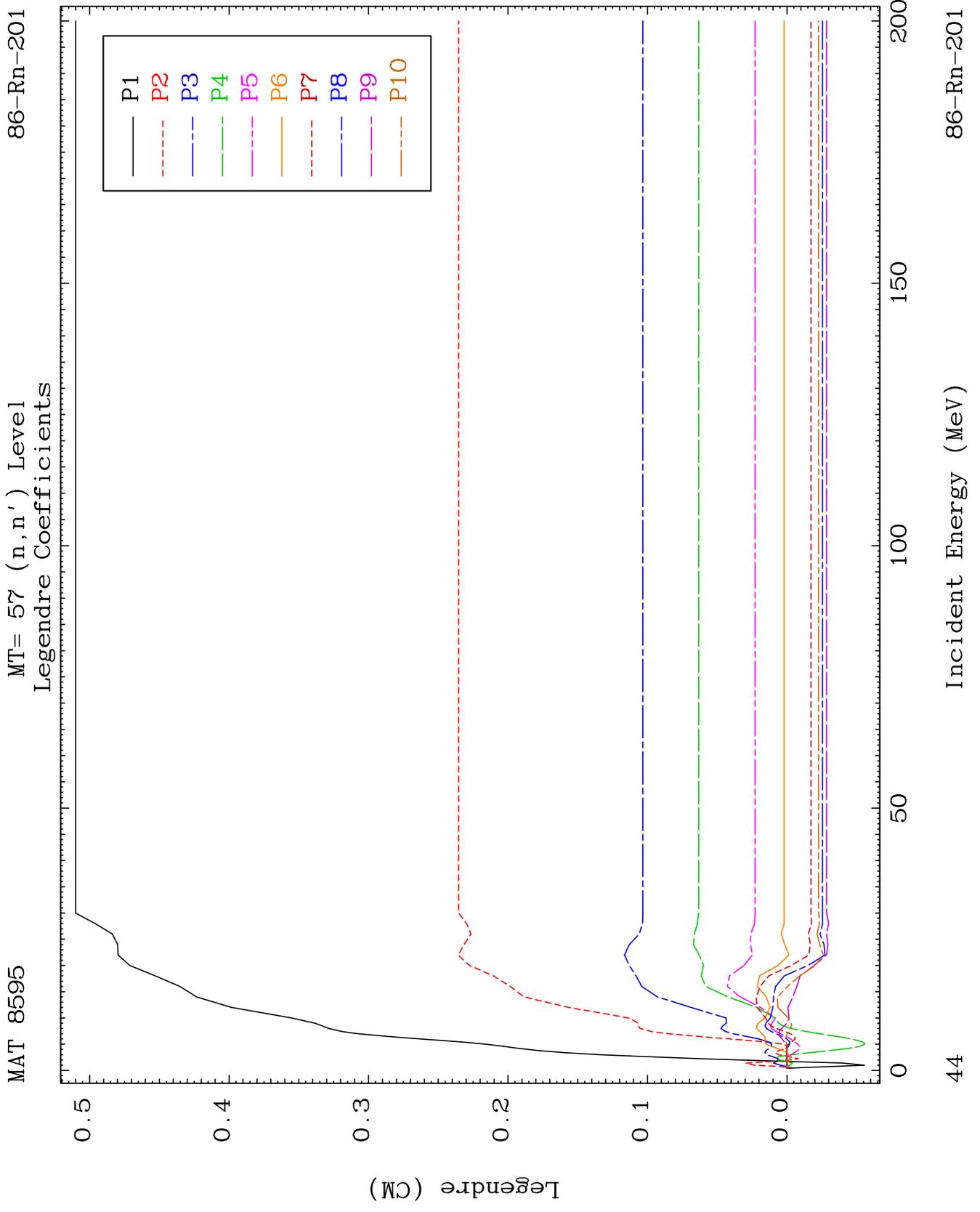
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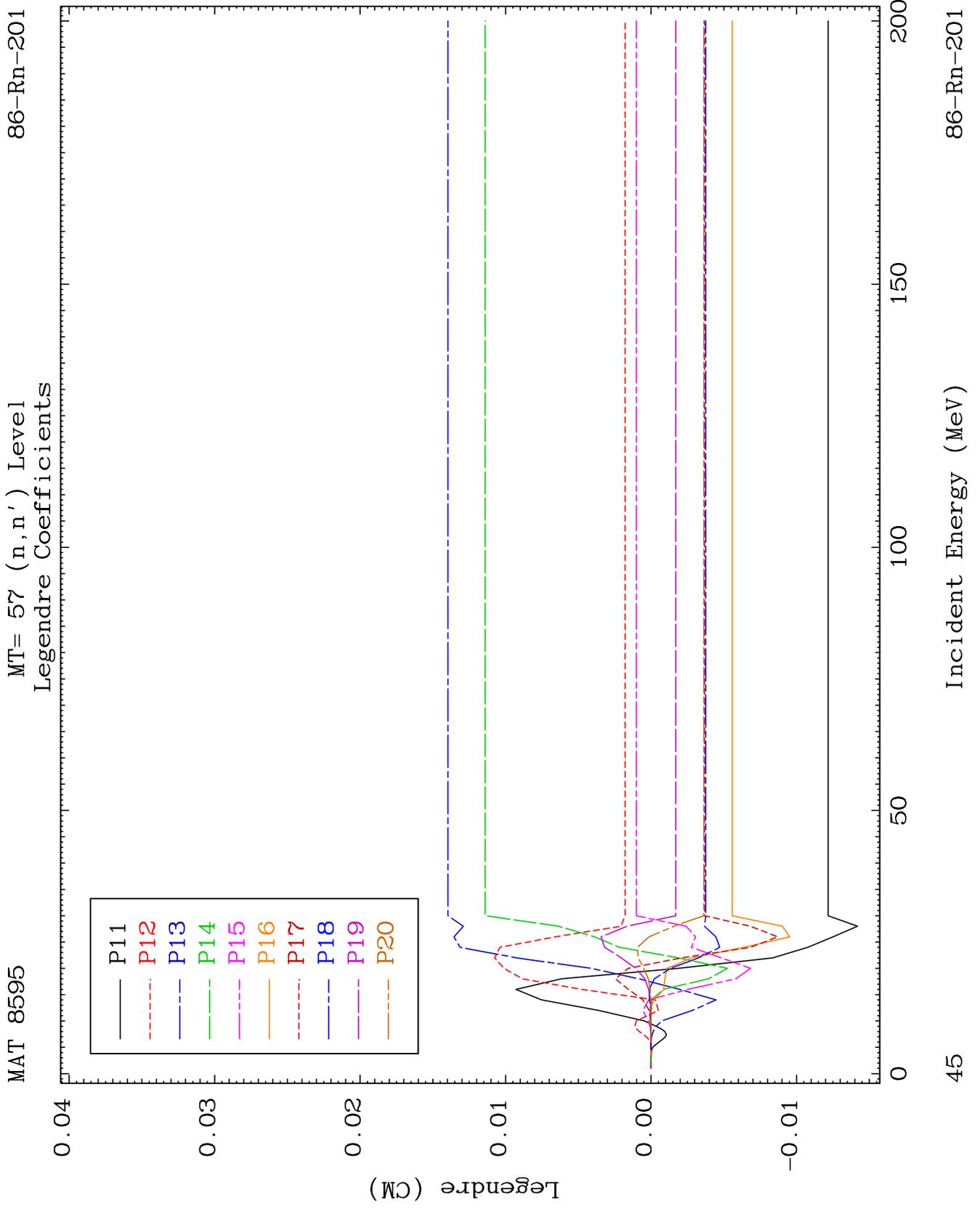
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Legendre Coefficients

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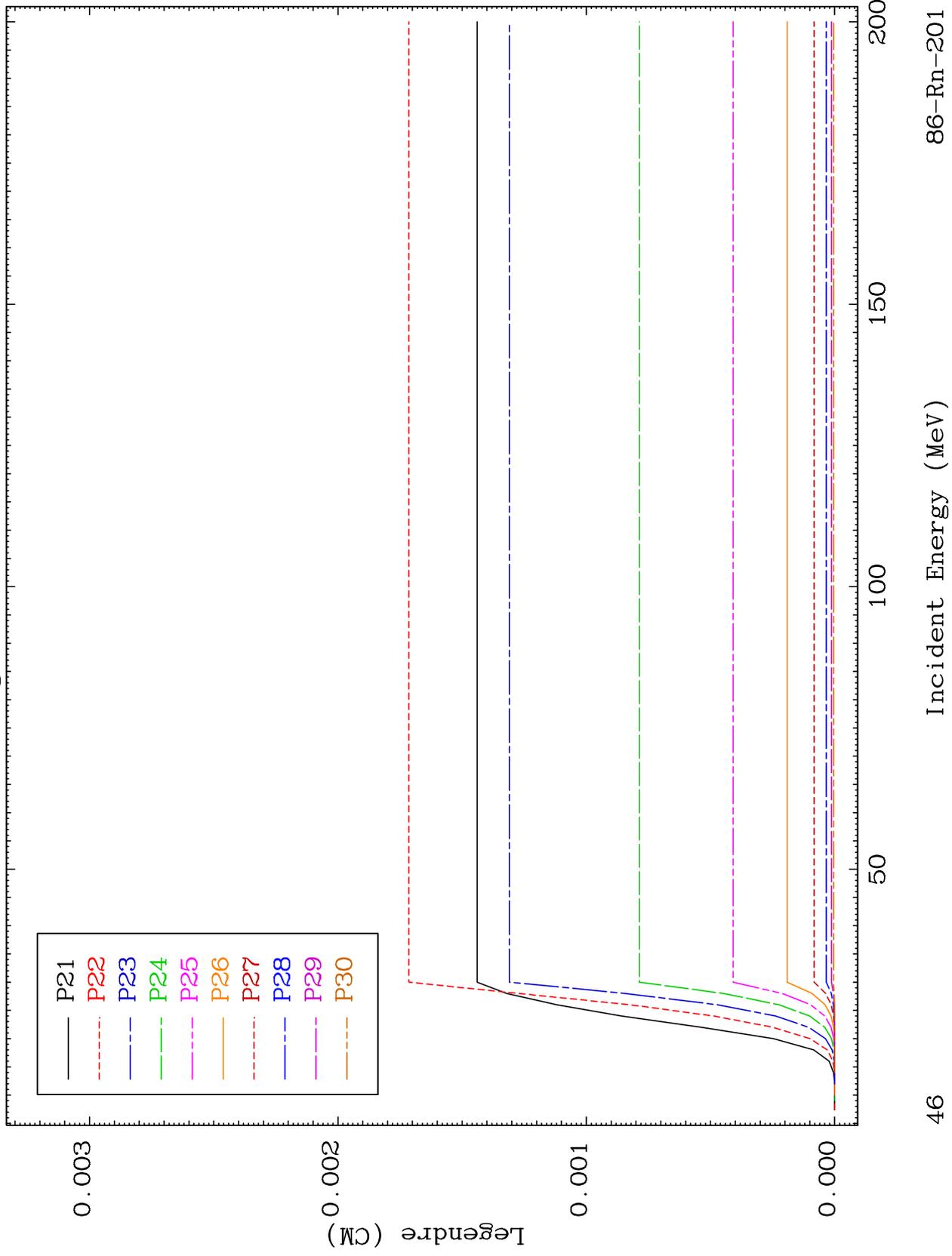




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MT= 57 (n,n') Level  
Legendre Coefficients

86-Rn-201



46

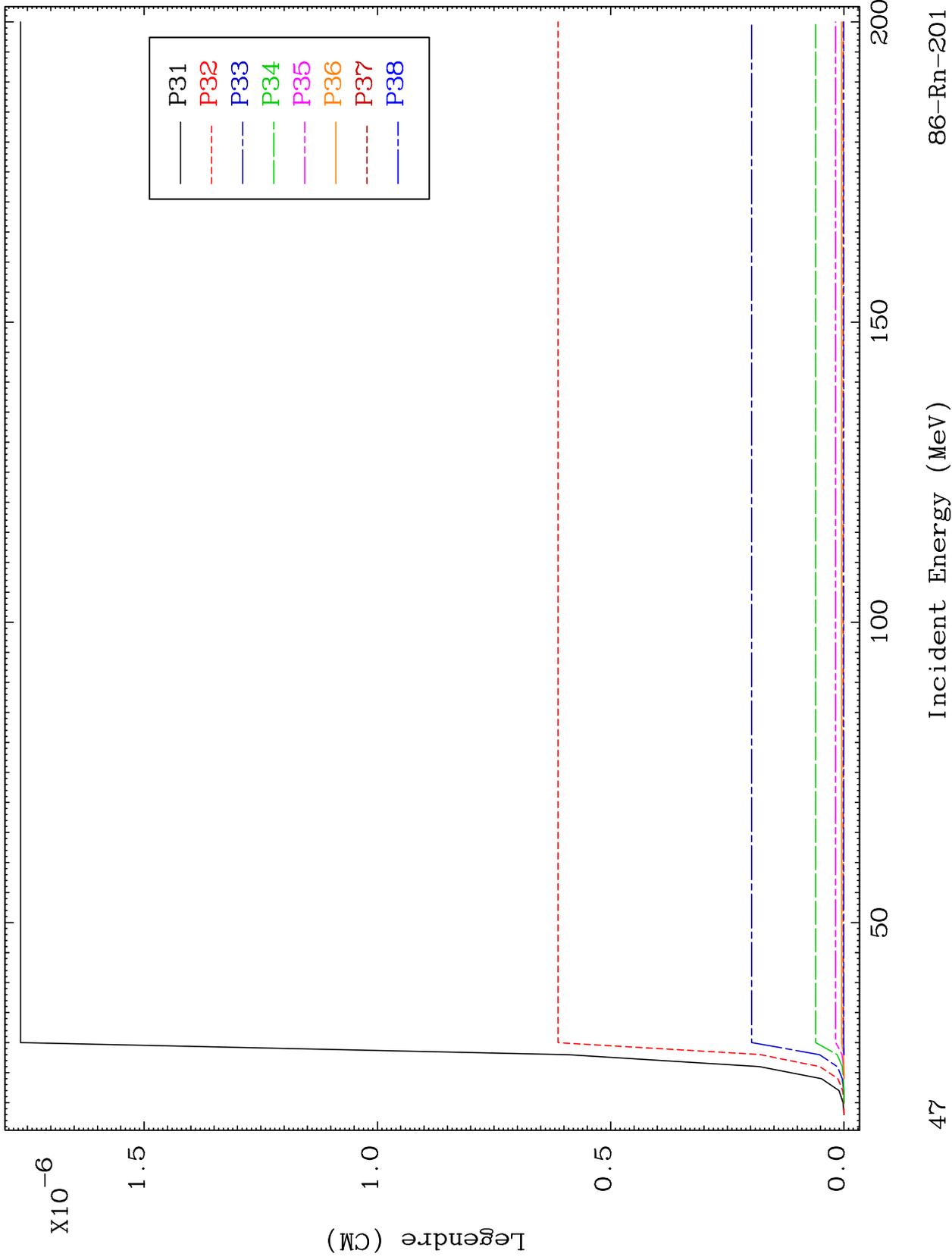
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

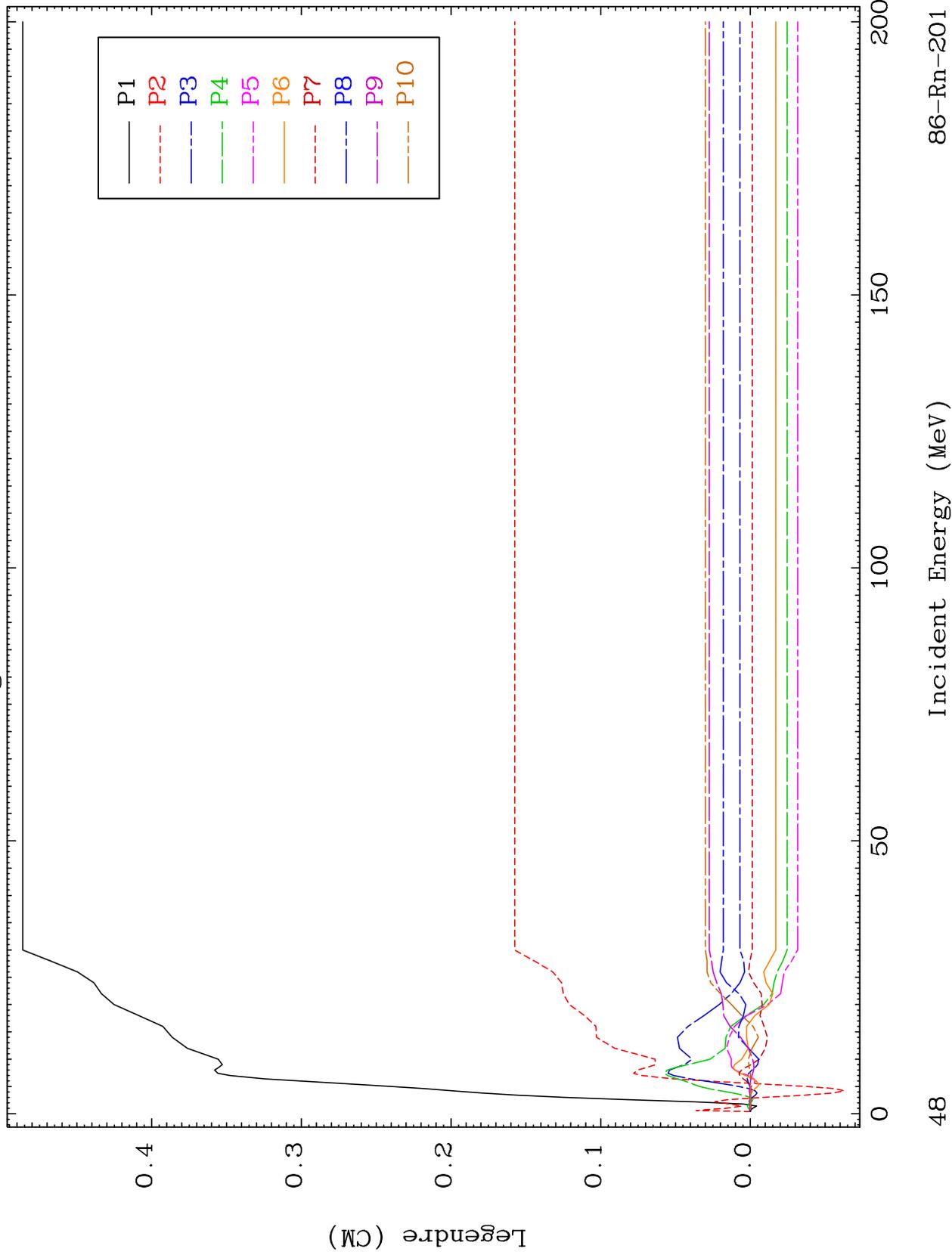
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MAT 8595

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

86-Rn-201



86-Rn-201

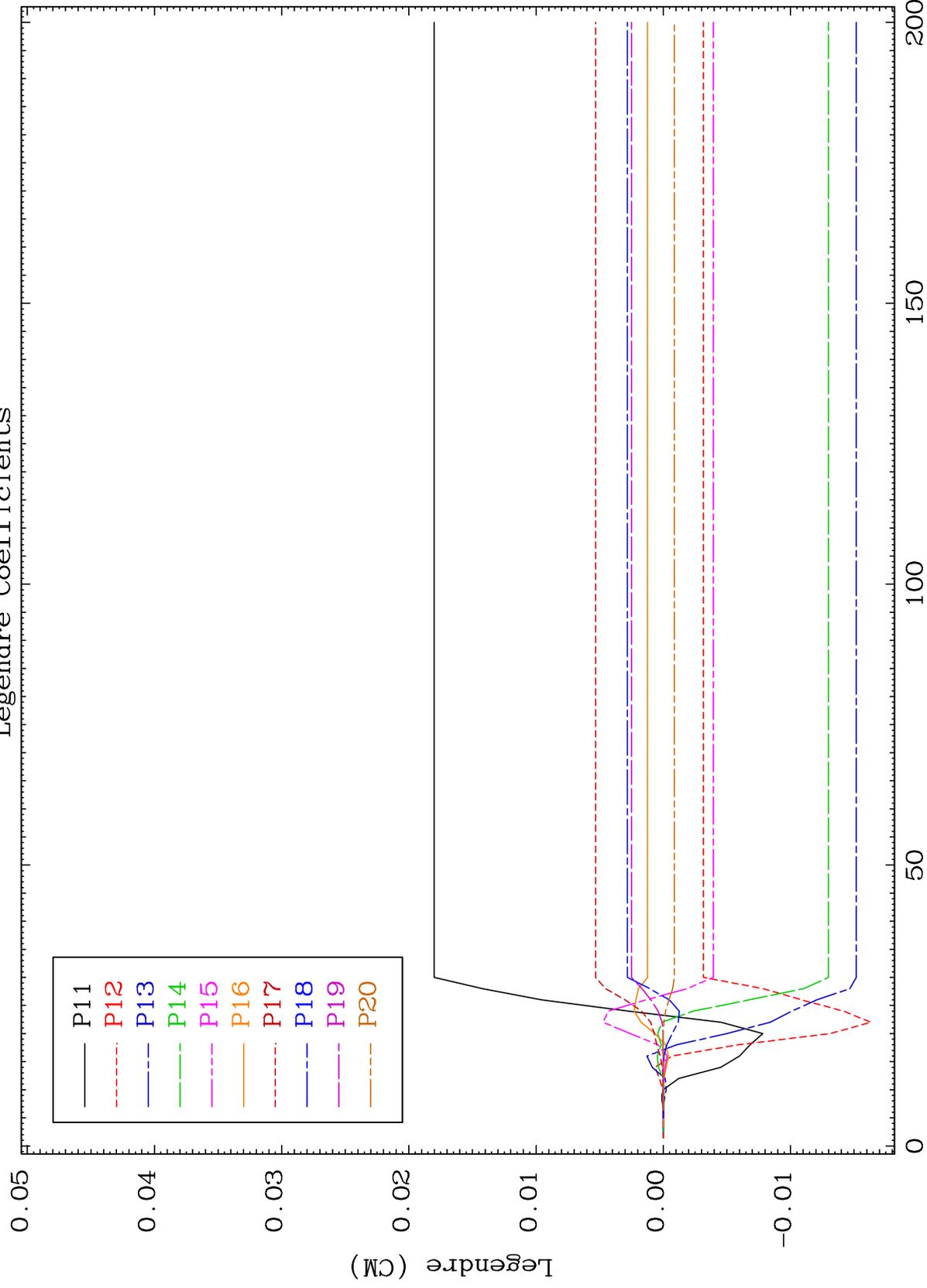
Incident Energy (MeV)

48

MAT 8595

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

86-Rn-201



49

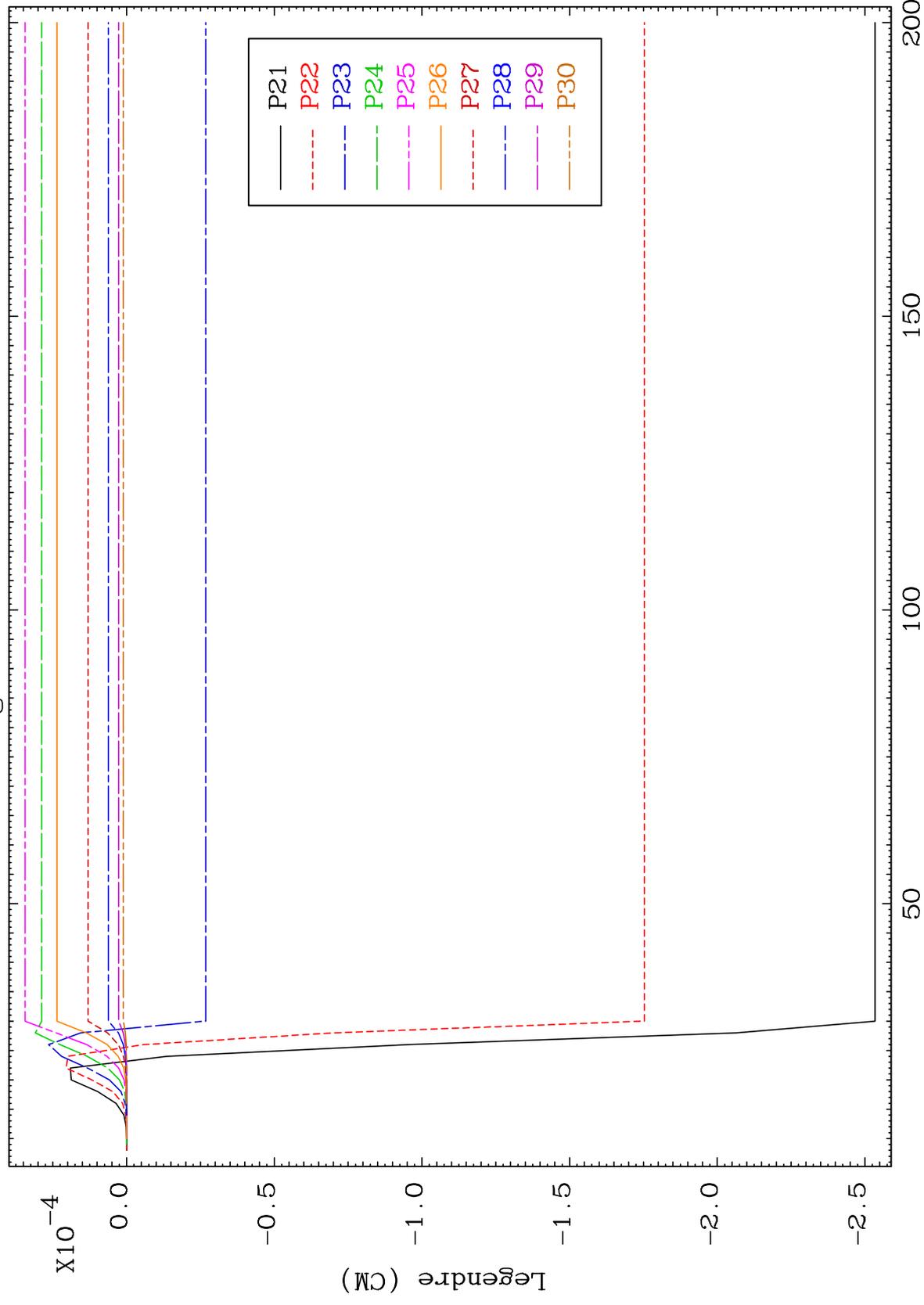
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

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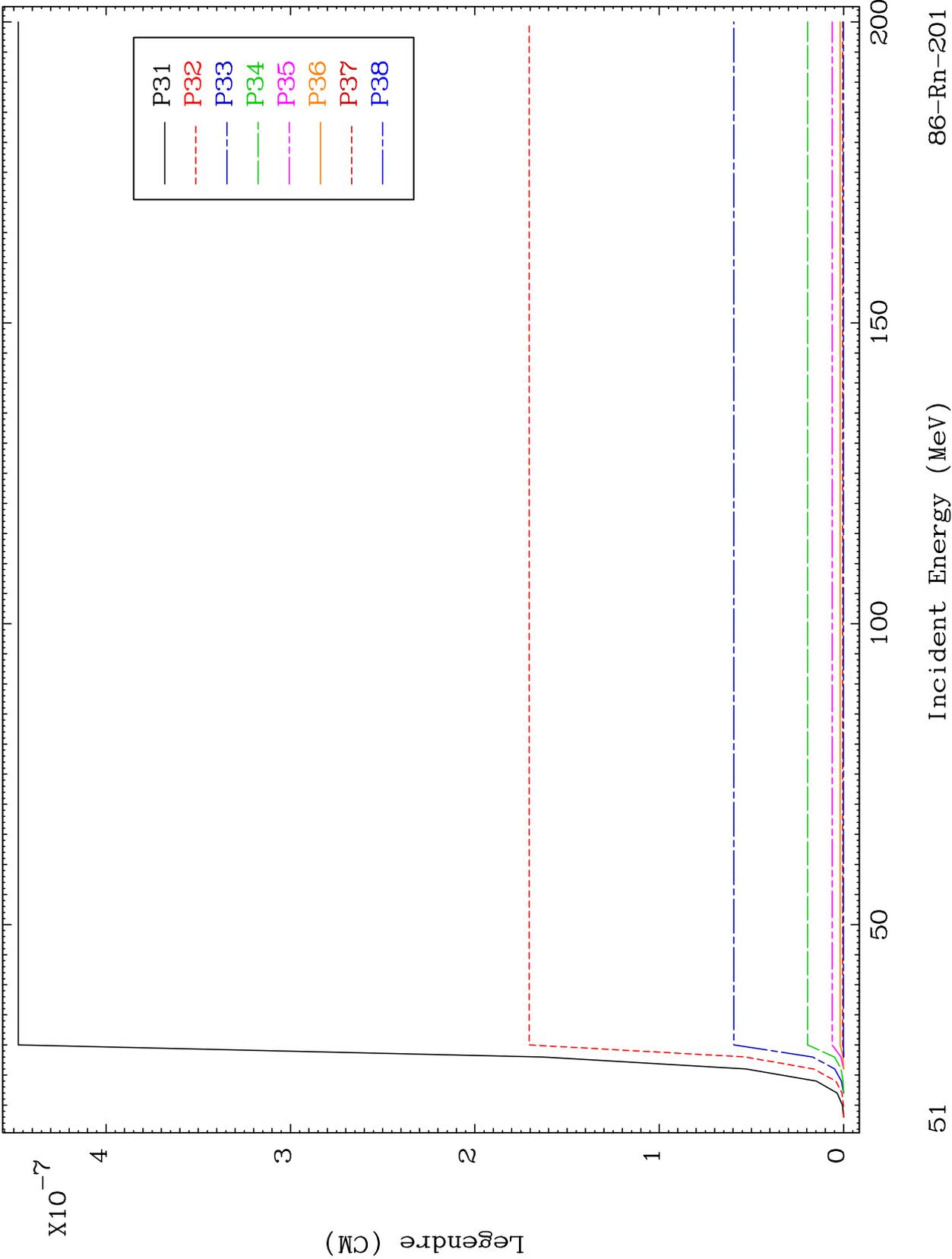
Incident Energy (MeV)

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

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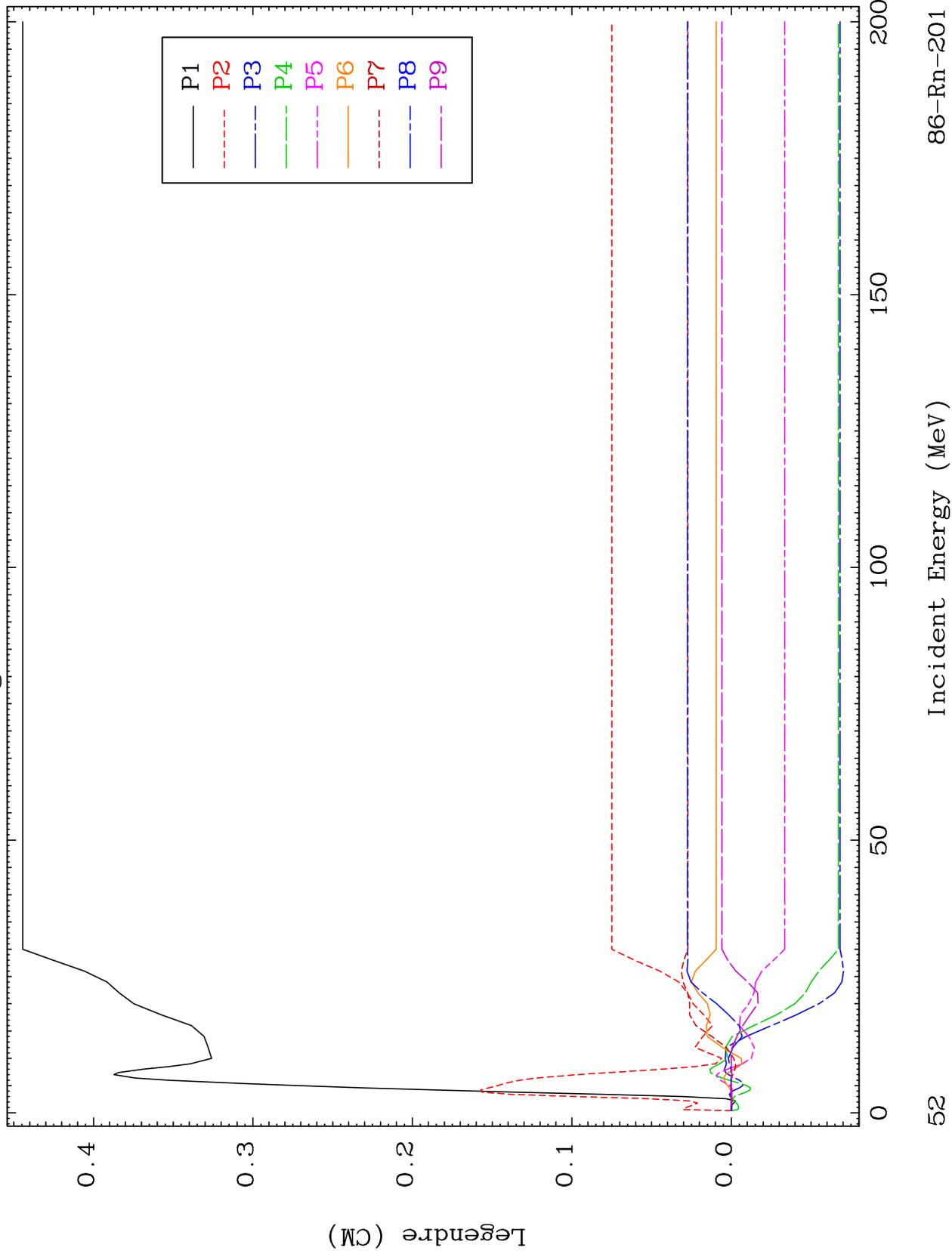
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MAT 8595

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

86-Rn-201



52

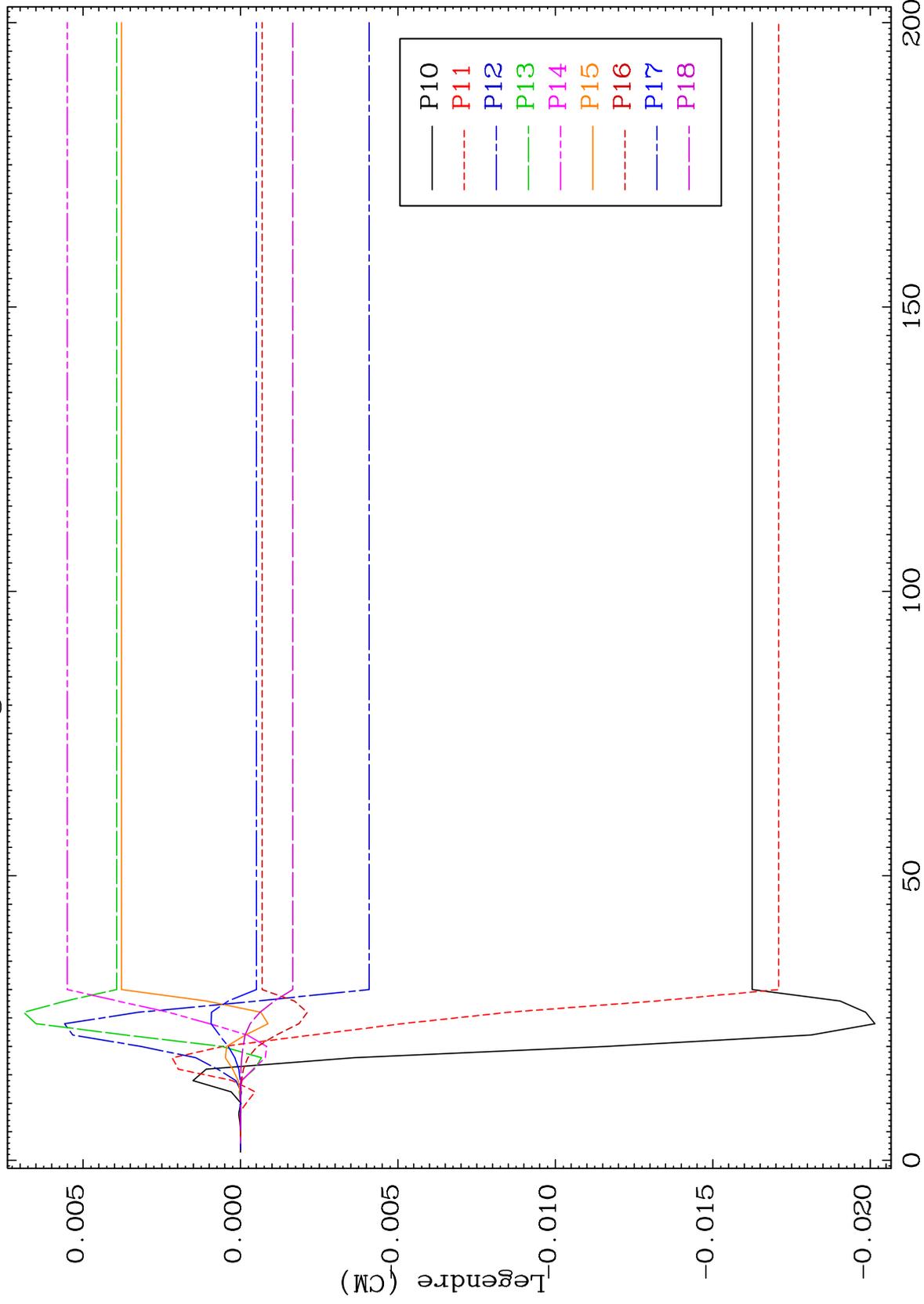
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Legendre Coefficients

86-Rn-201



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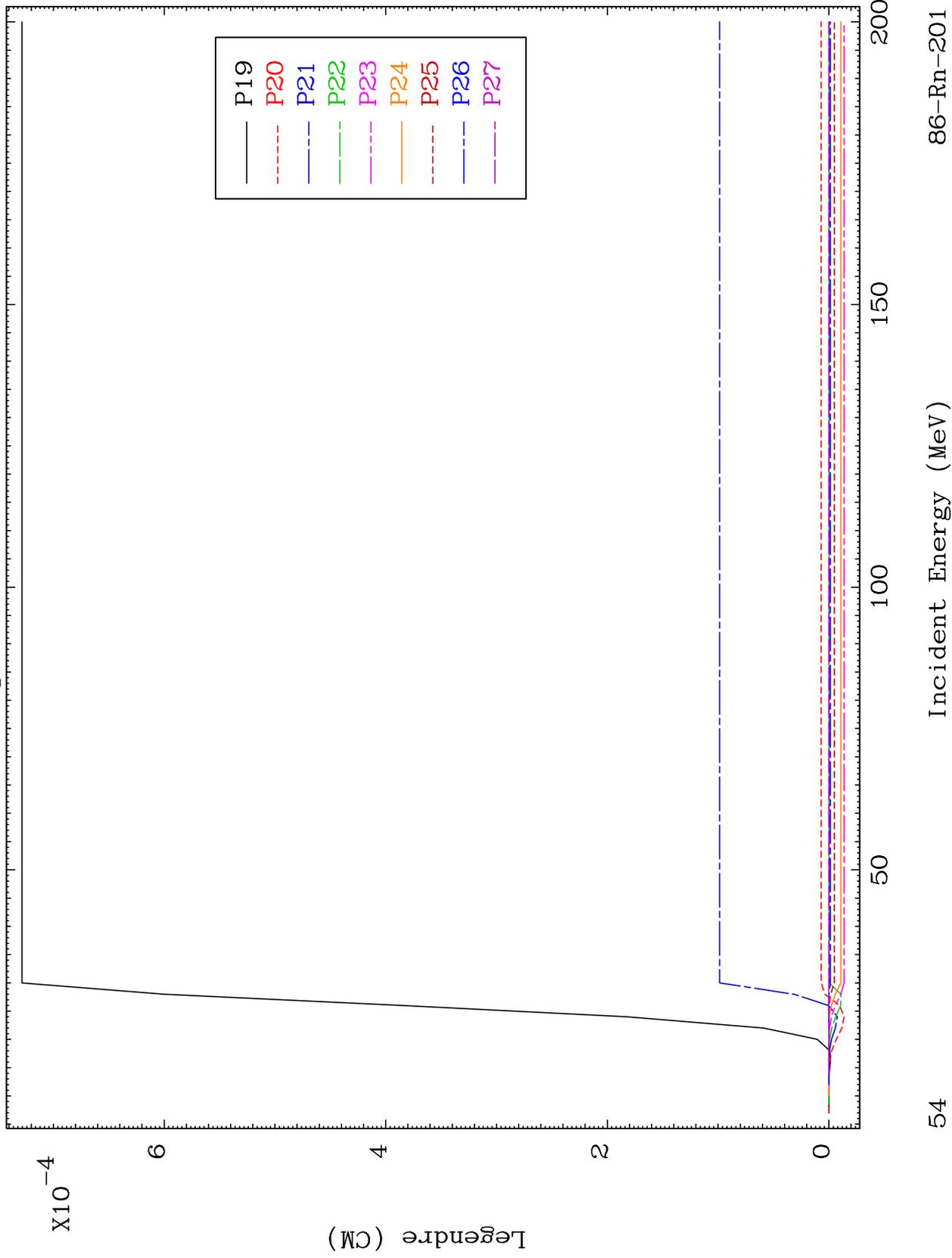
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

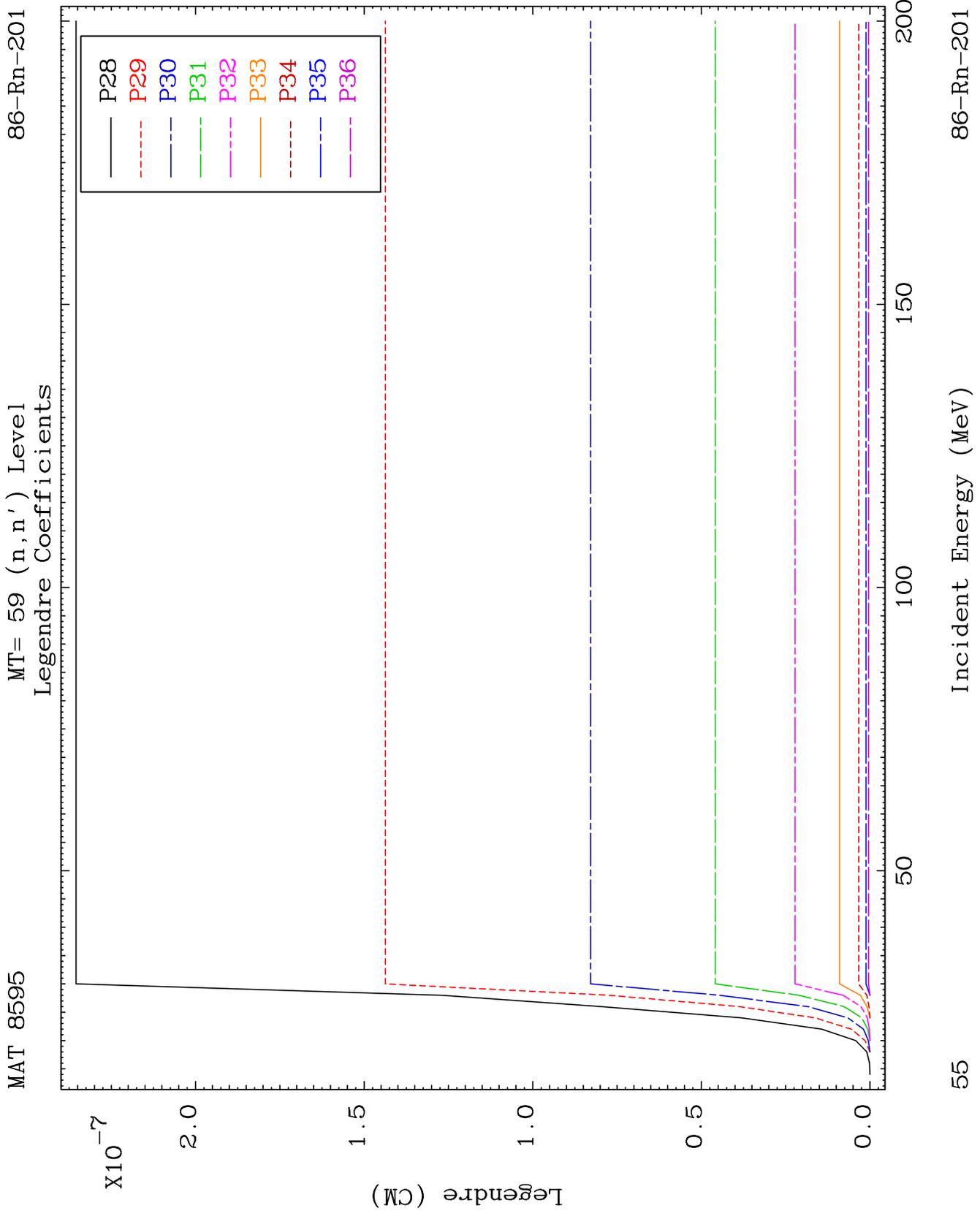
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Incident Energy (MeV)

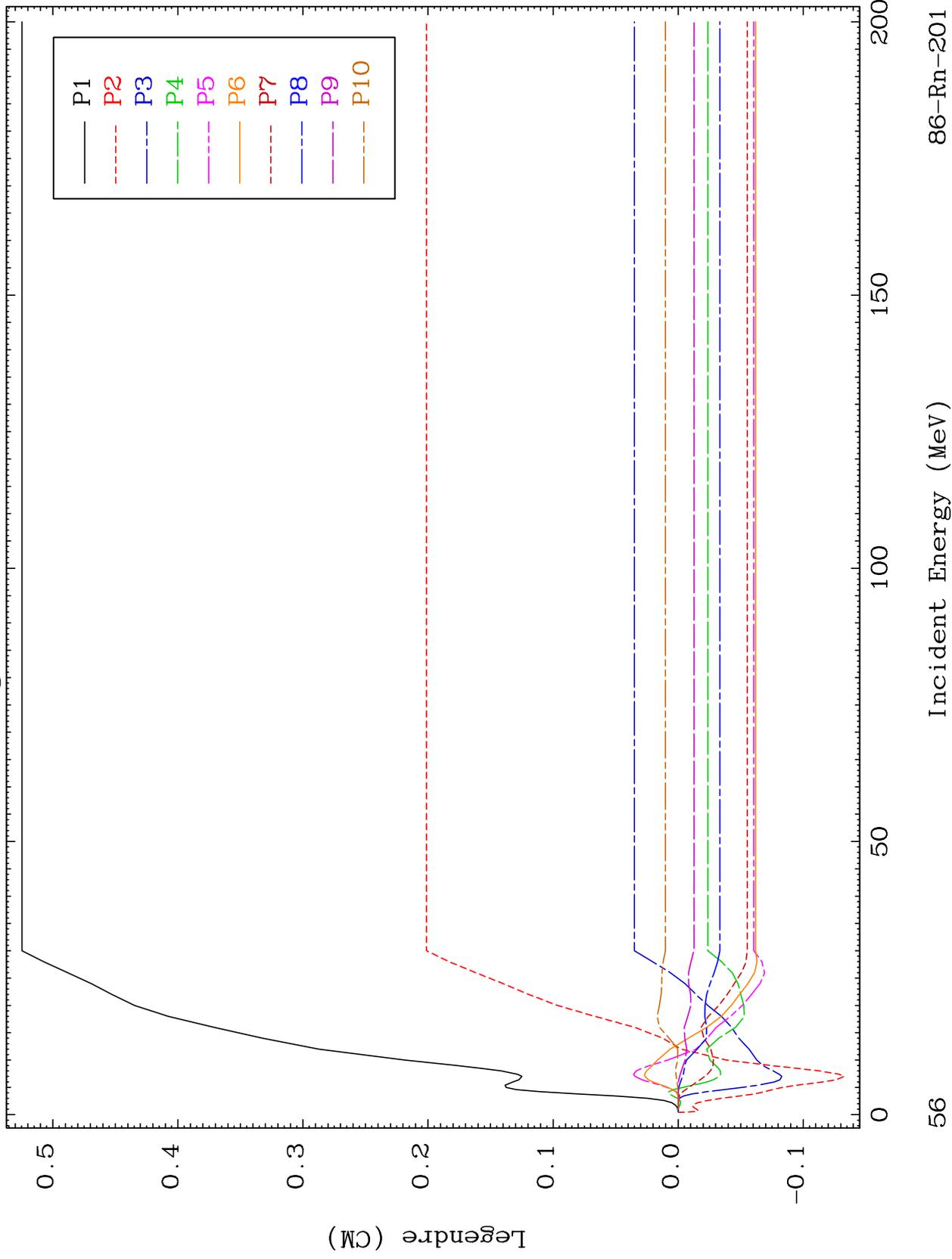
86-Rn-201



MAT 8595

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

86-Rn-201



56

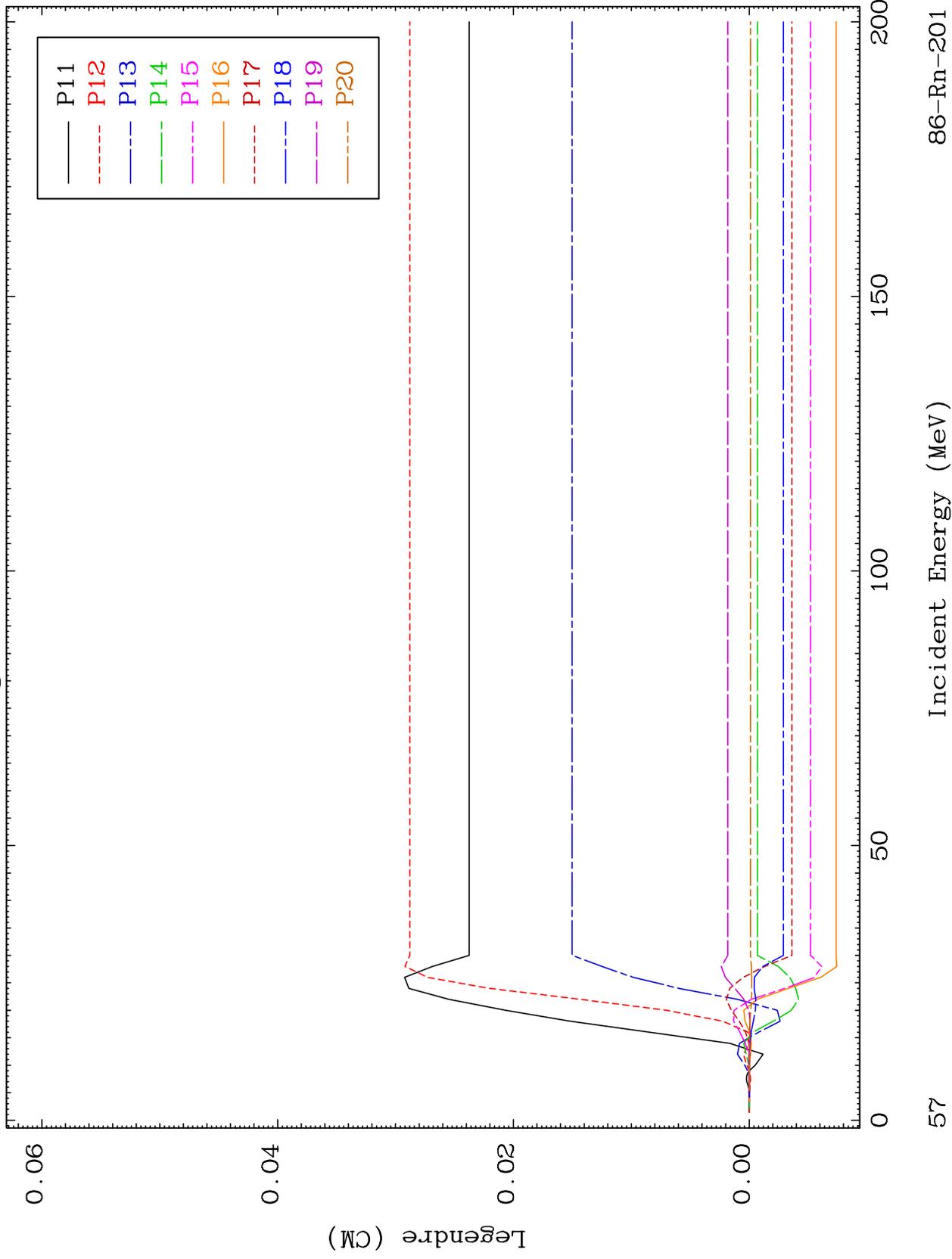
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



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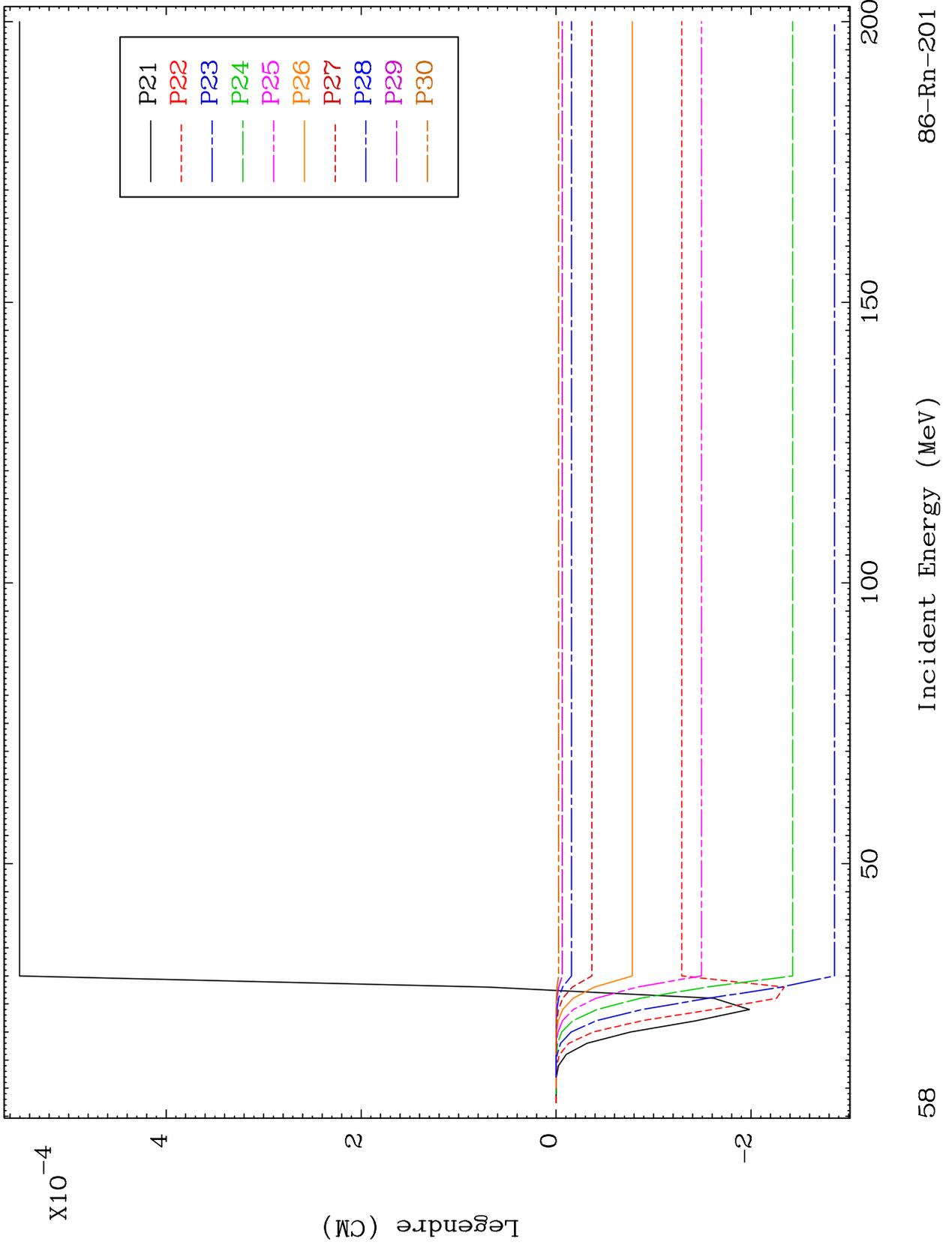
Incident Energy (MeV)

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MAT 8595

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

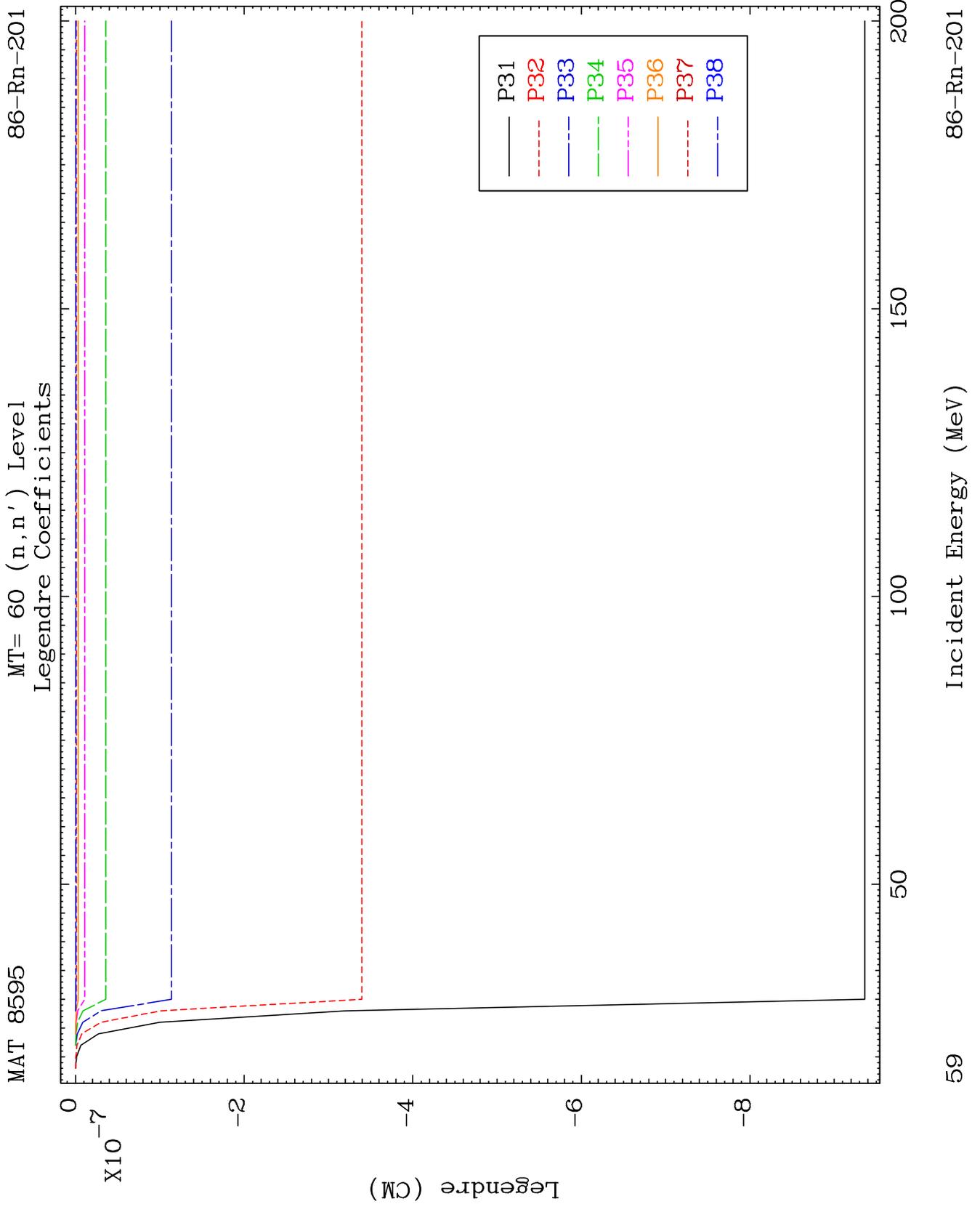
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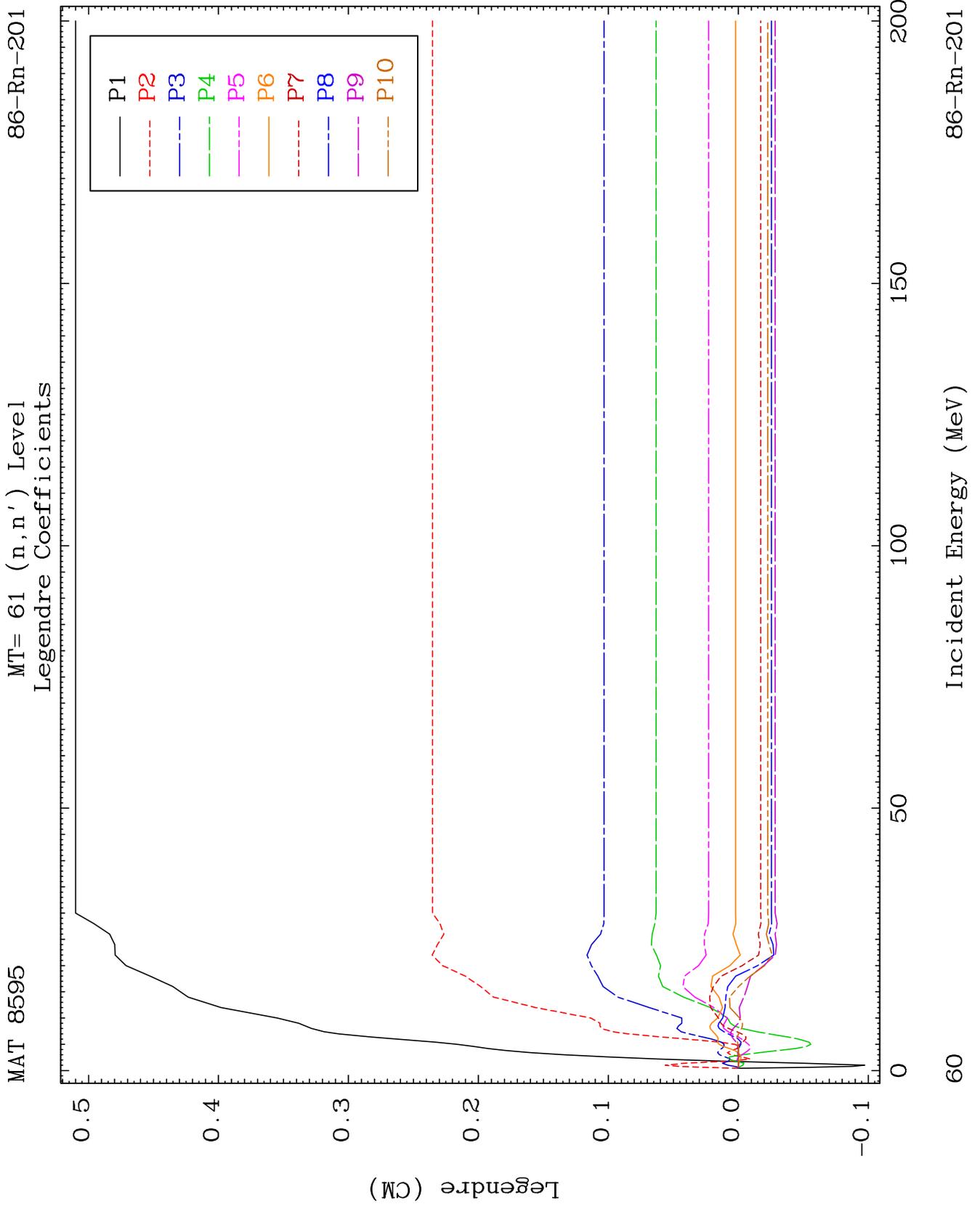


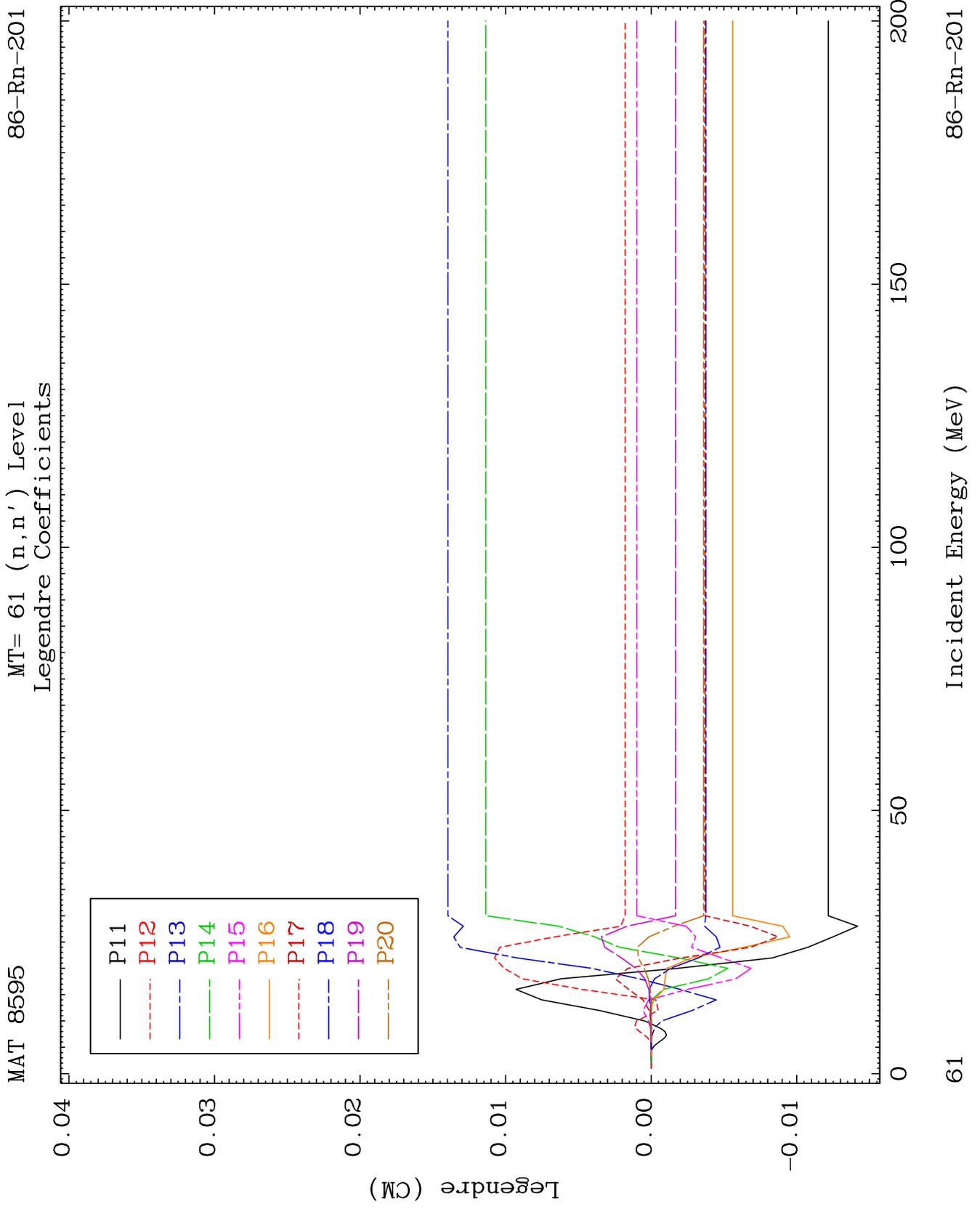
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Incident Energy (MeV)

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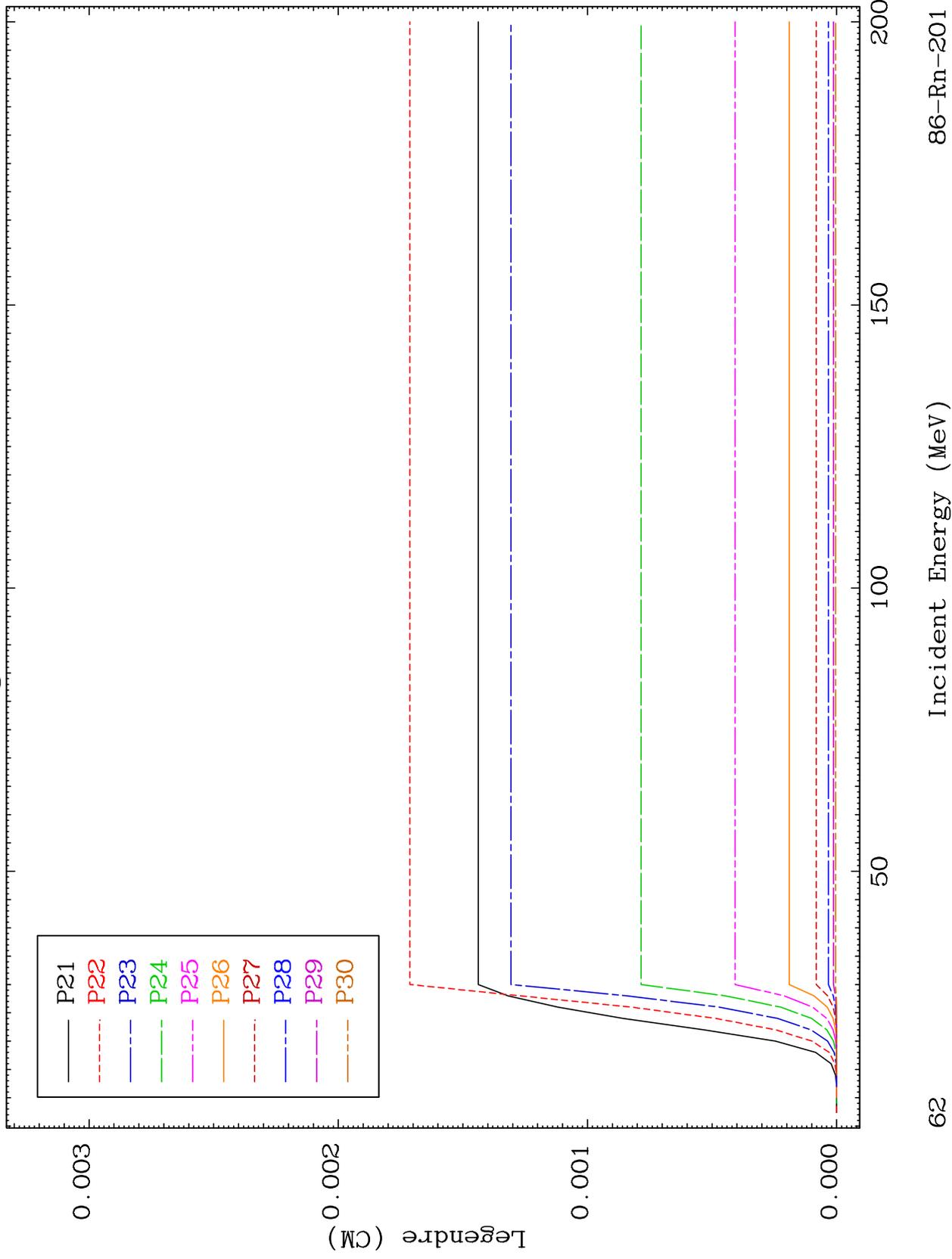




MAT 8595

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

86-Rn-201

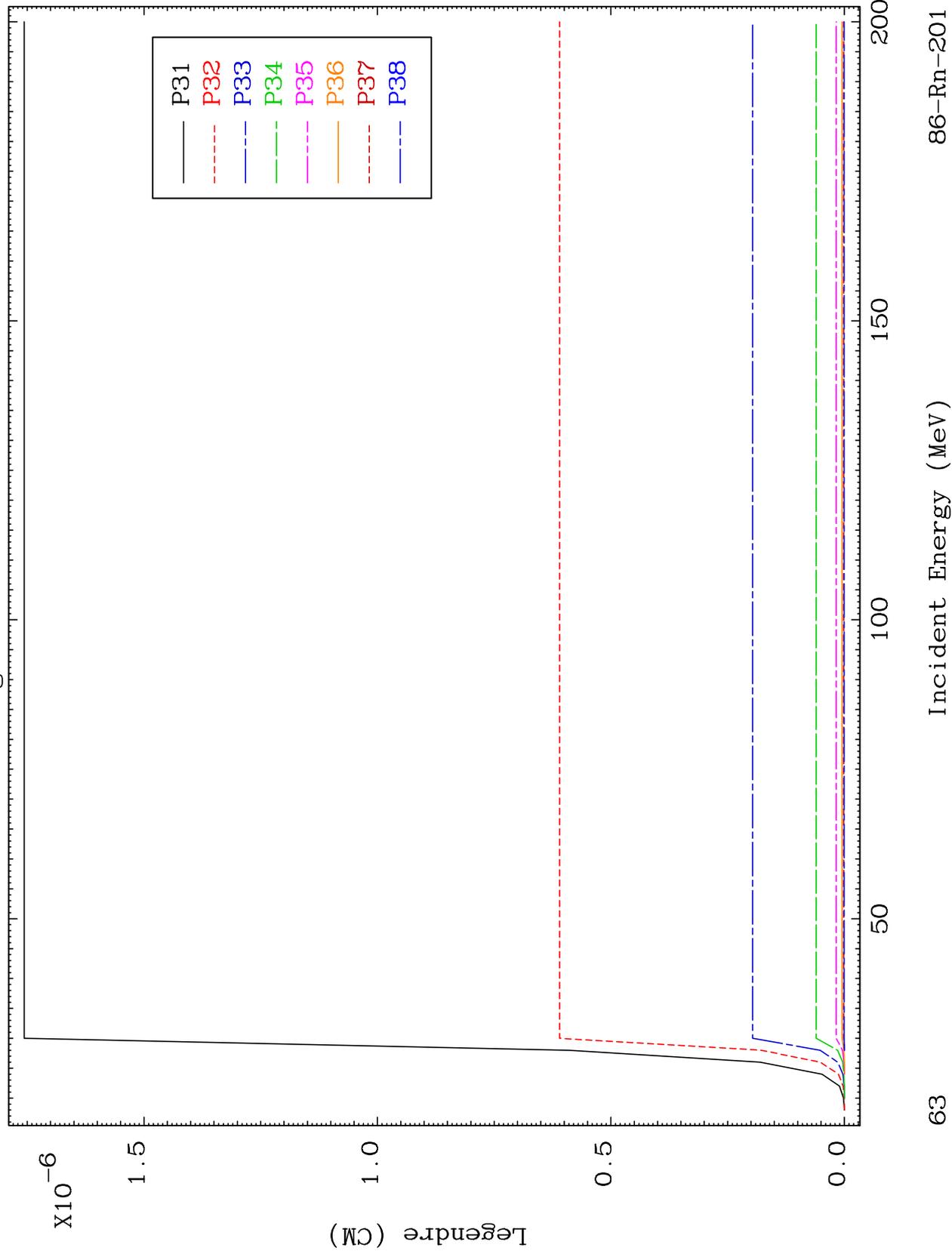


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MAT 8595

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

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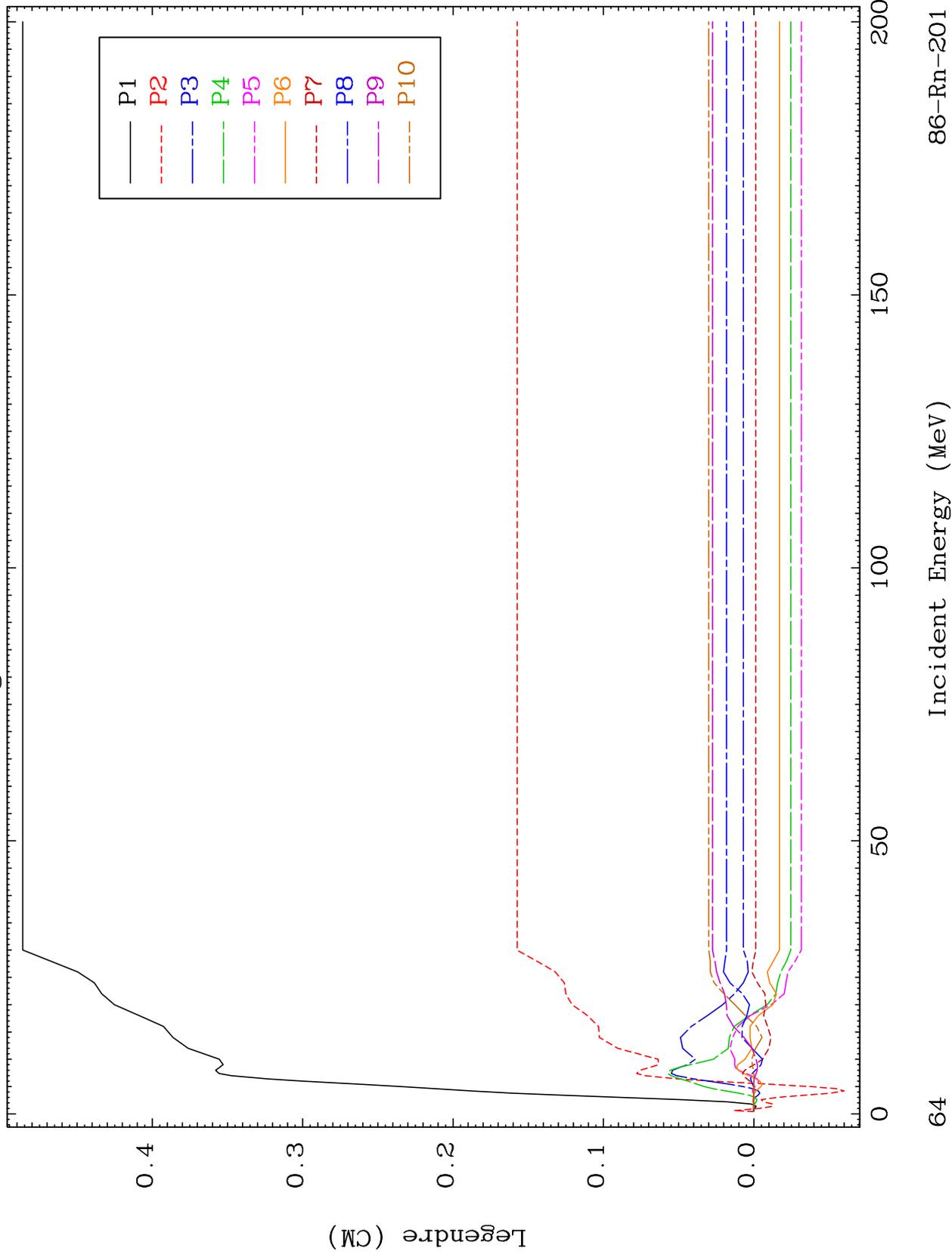
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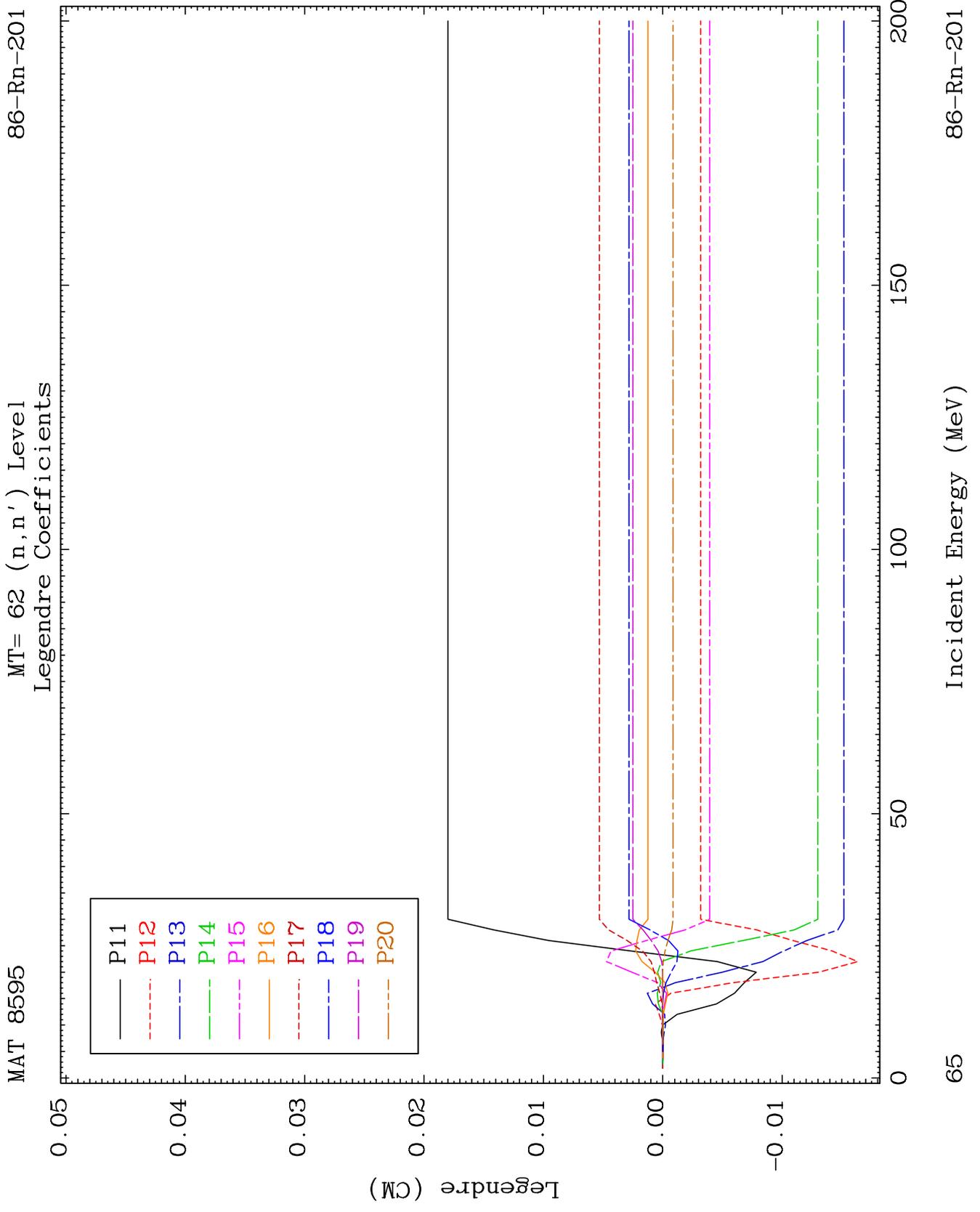
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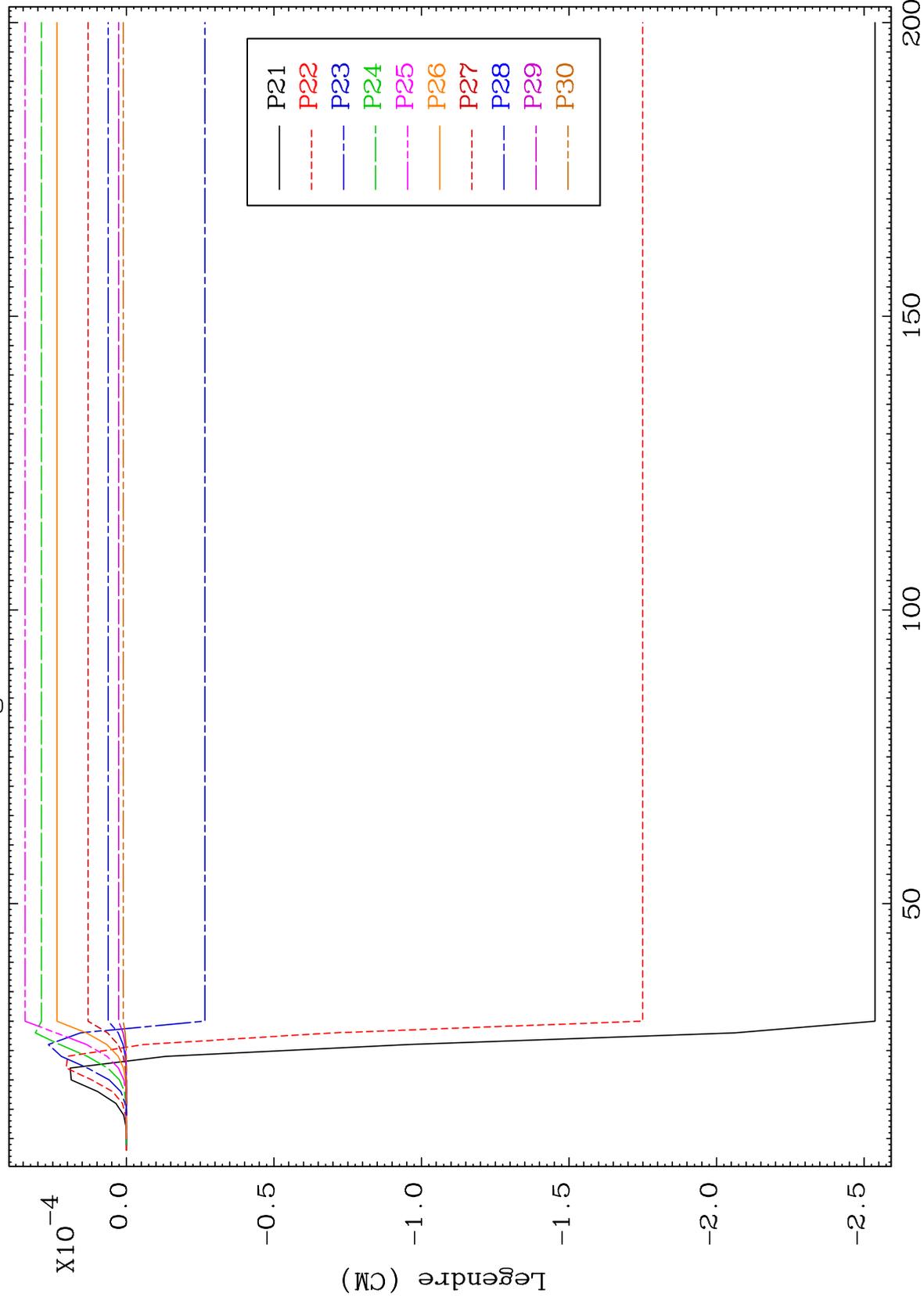
MAT 8595

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

86-Rn-201



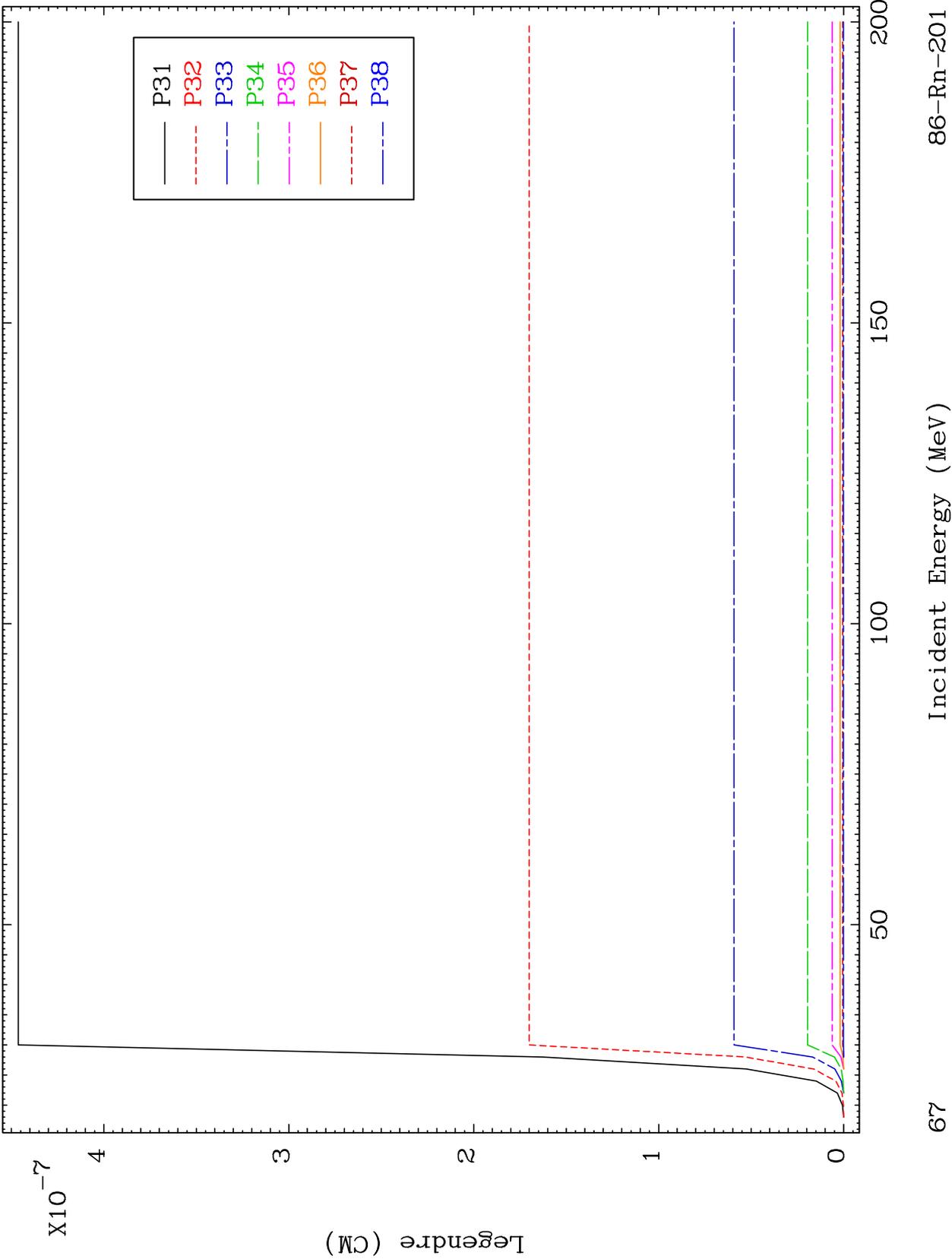




MAT 8595

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

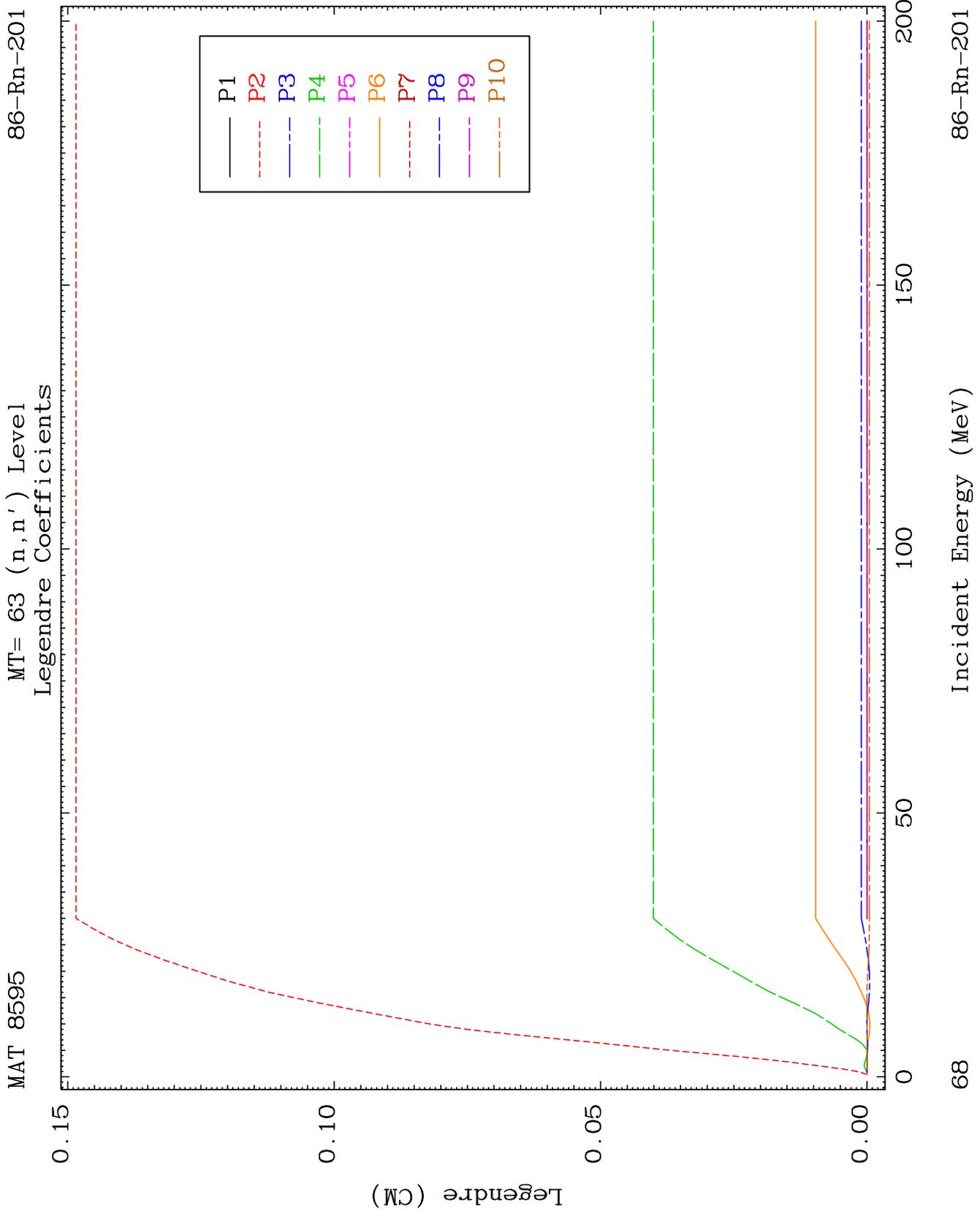
86-Rn-201



67

Incident Energy (MeV)

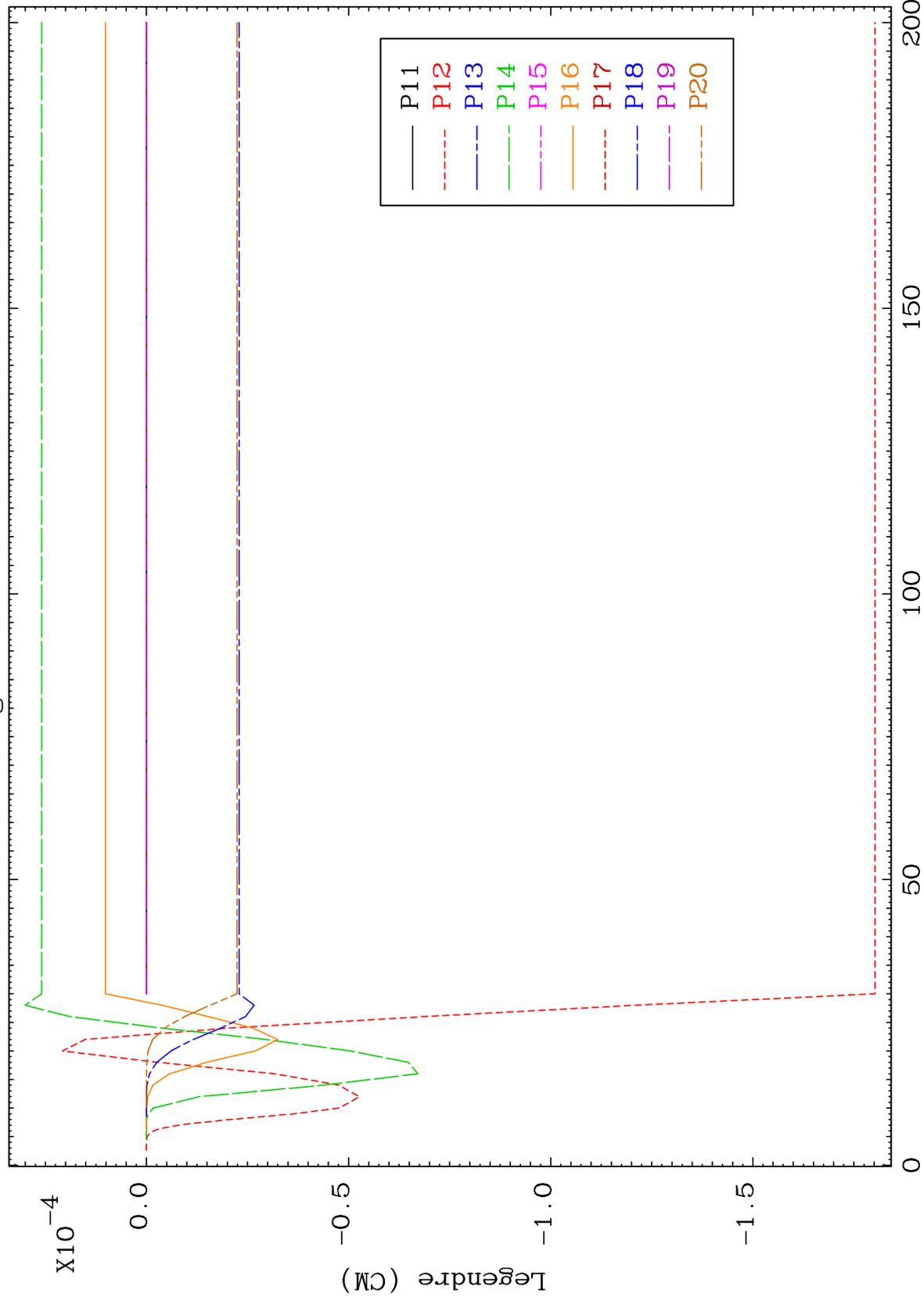
86-Rn-201



MAT 8595

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

86-Rn-201



69

Incident Energy (MeV)

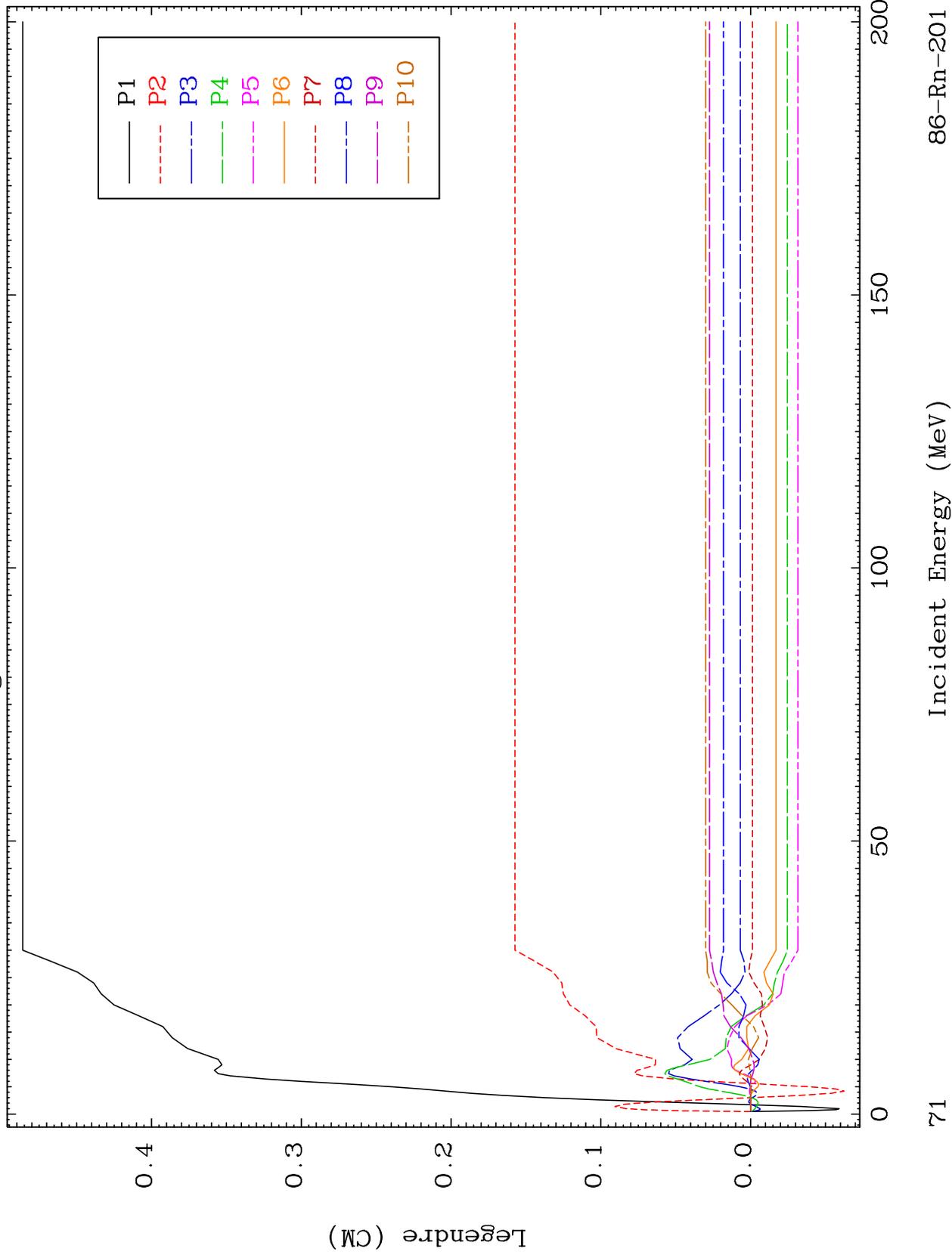
86-Rn-201



MAT 8595

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

86-Rn-201



71

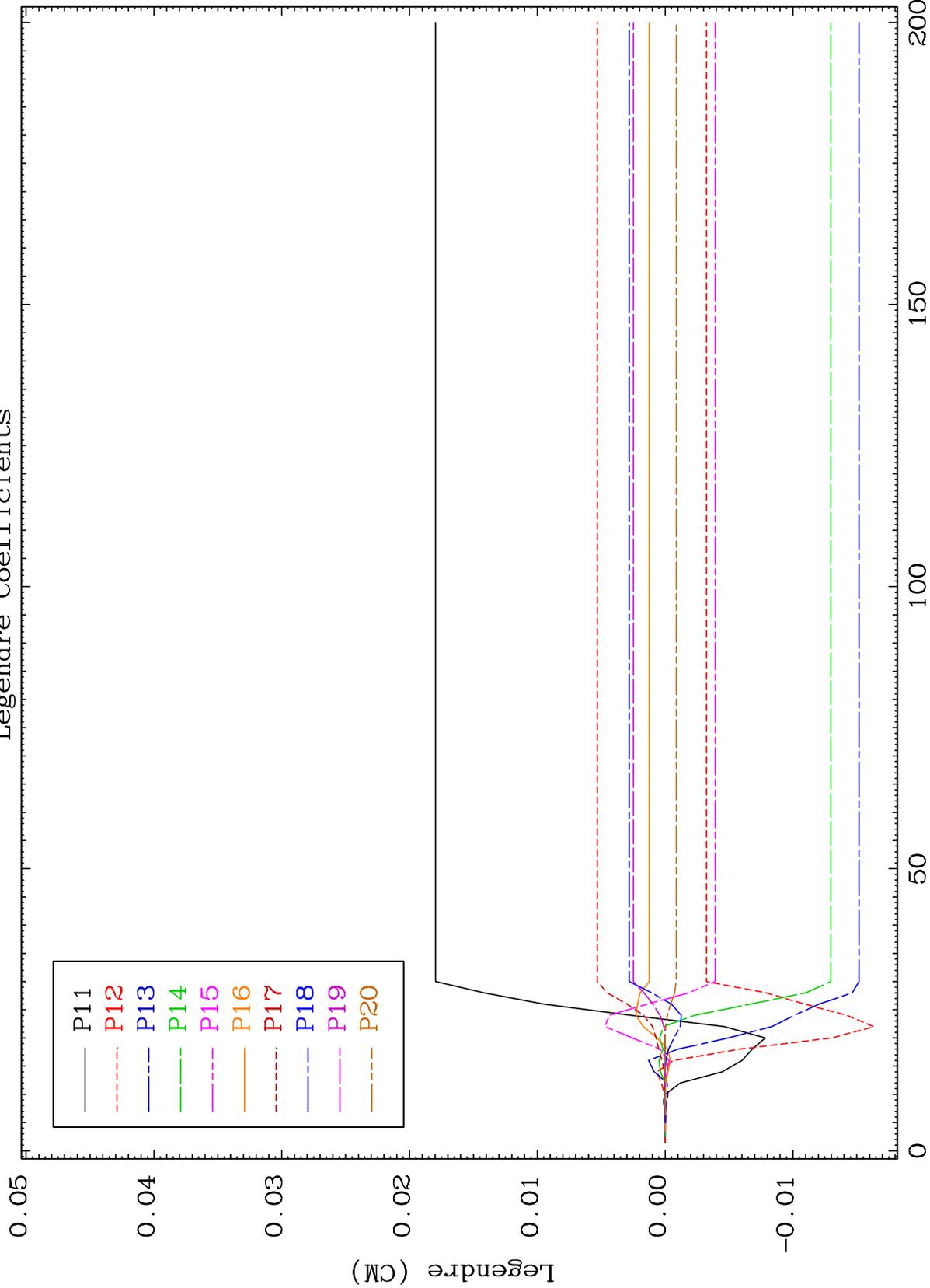
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



72

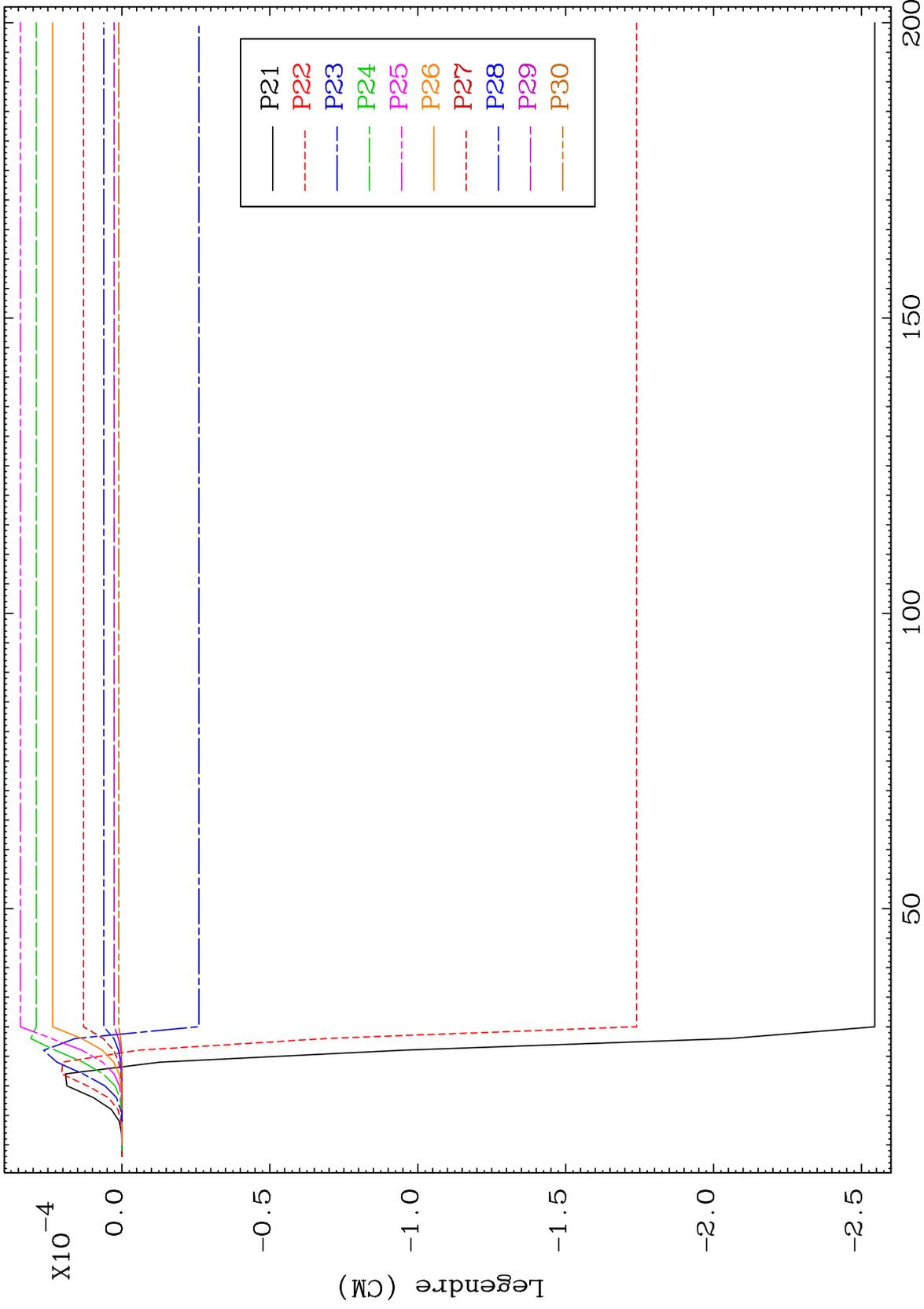
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



73

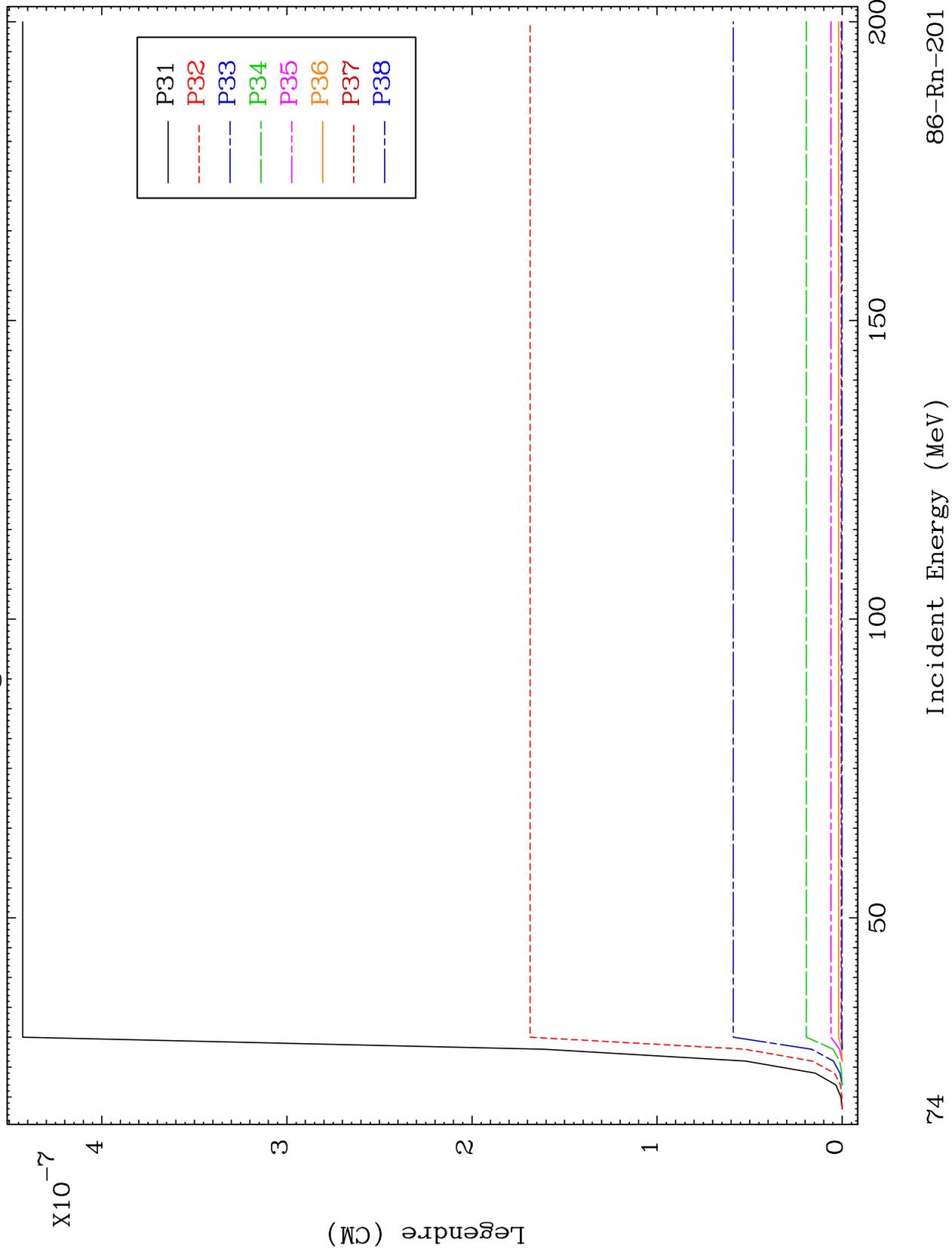
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



74

Incident Energy (MeV)

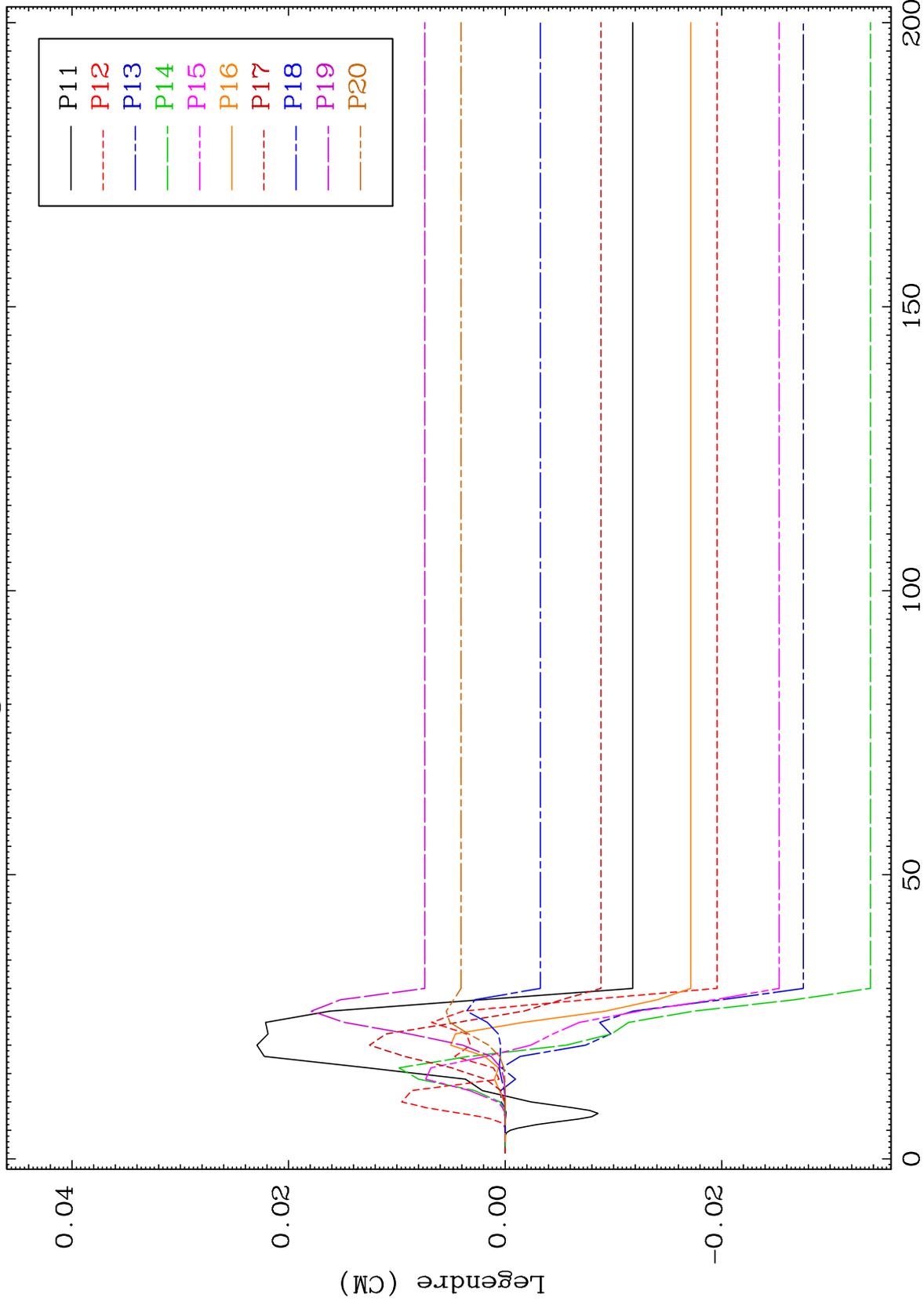
86-Rn-201



MAT 8595

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

86-Rn-201



76

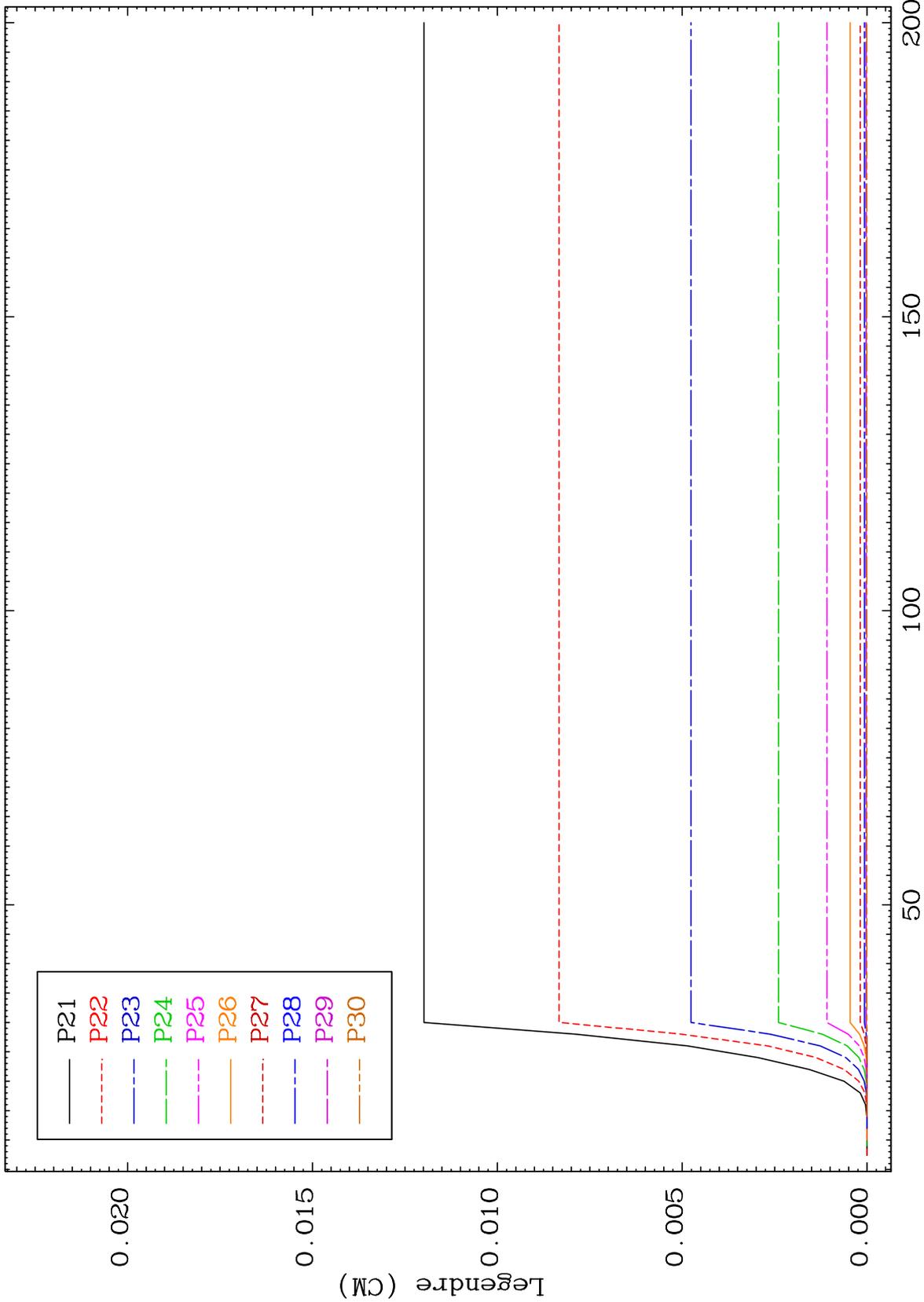
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

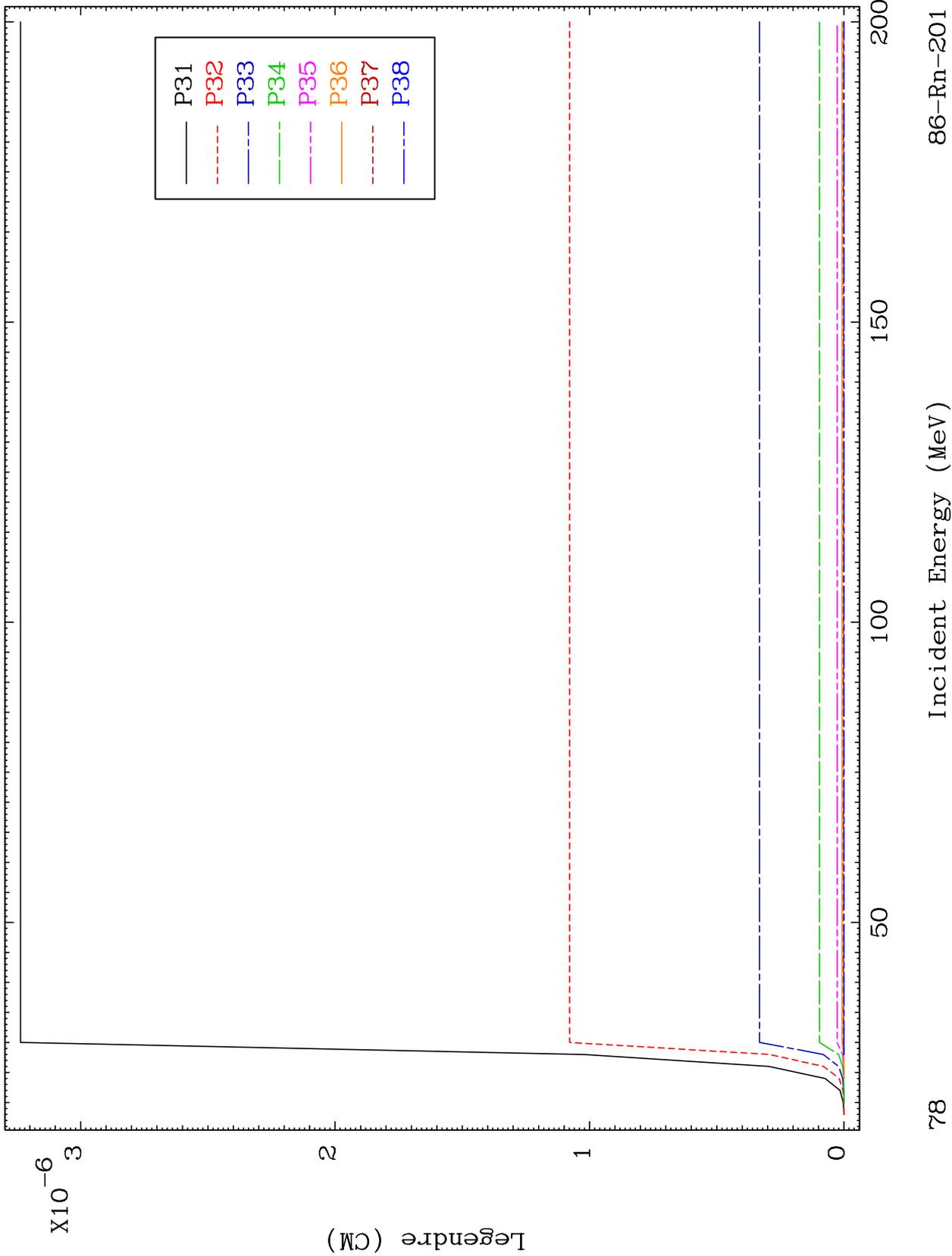
86-Rn-201



MAT 8595

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

86-Rn-201



78

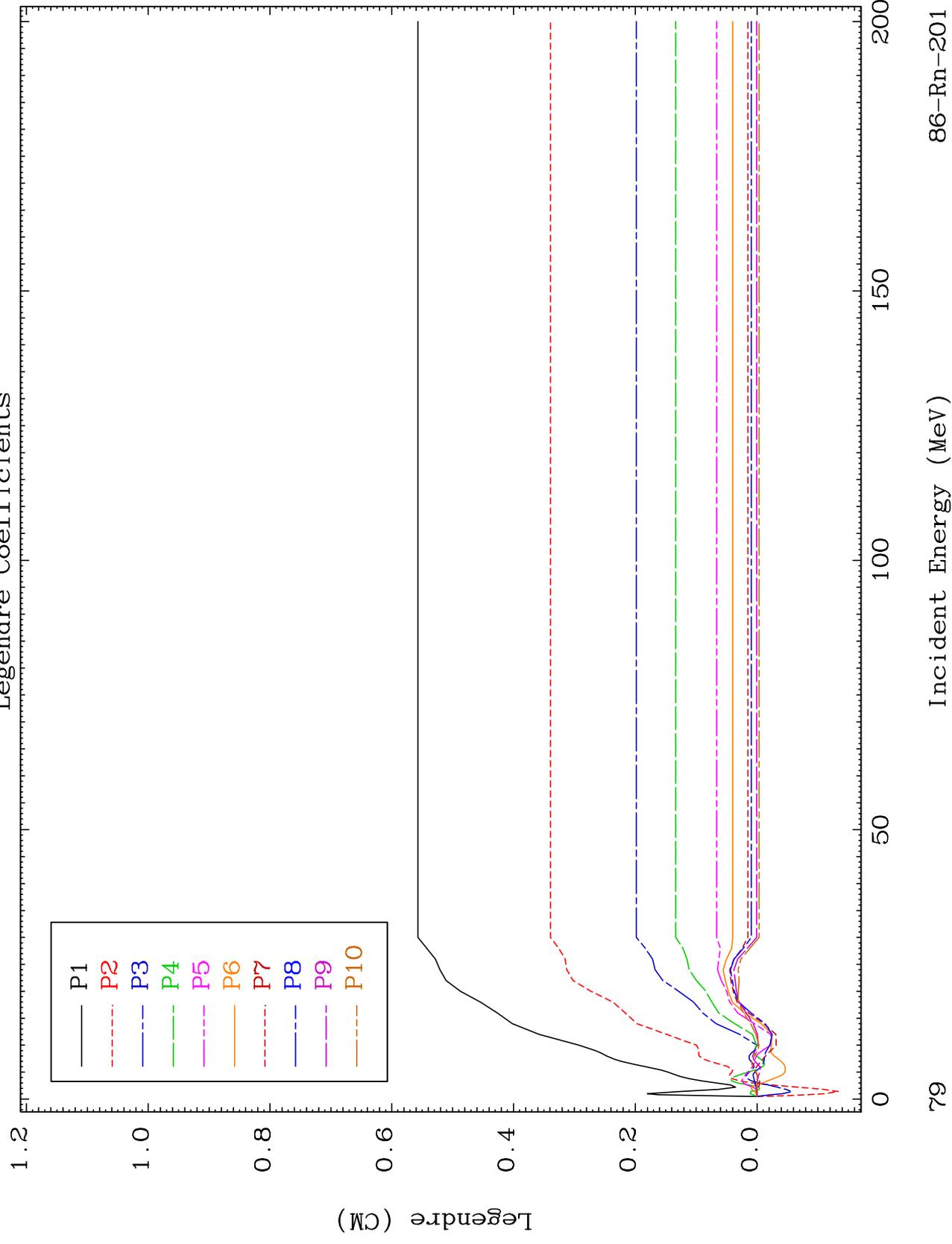
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



79

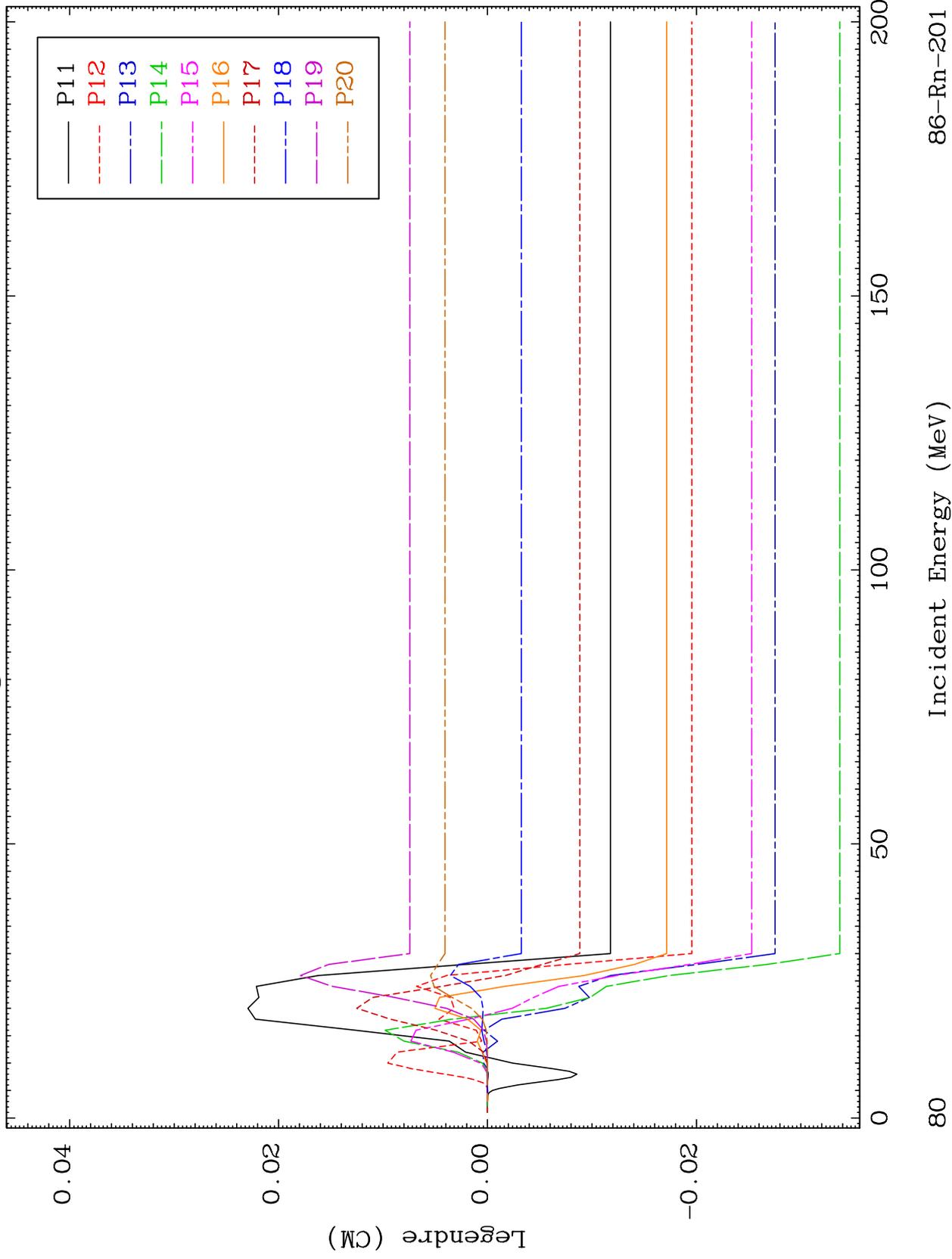
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



86-Rn-201

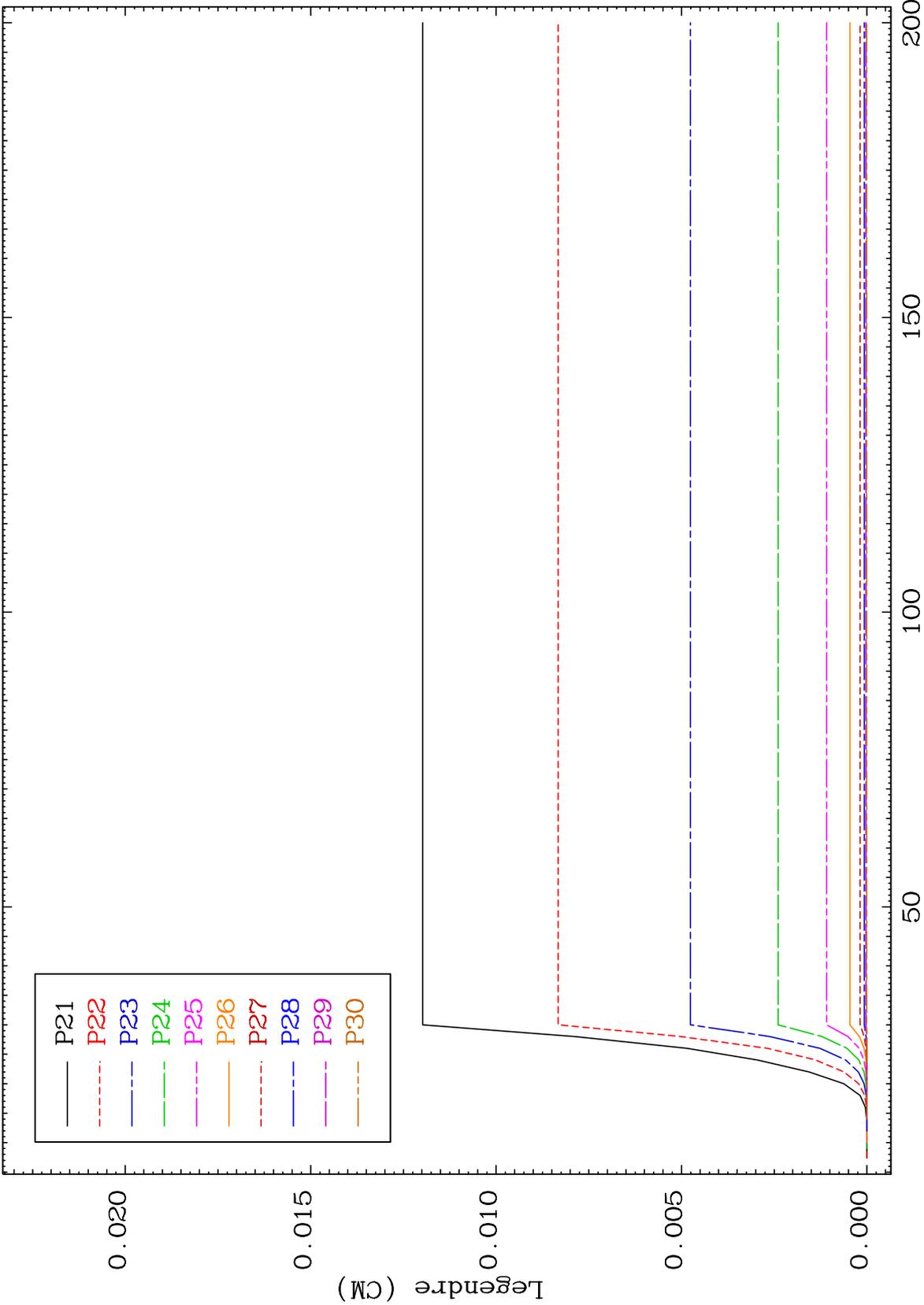
Incident Energy (MeV)

80

MAT 8595

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

86-Rn-201



81

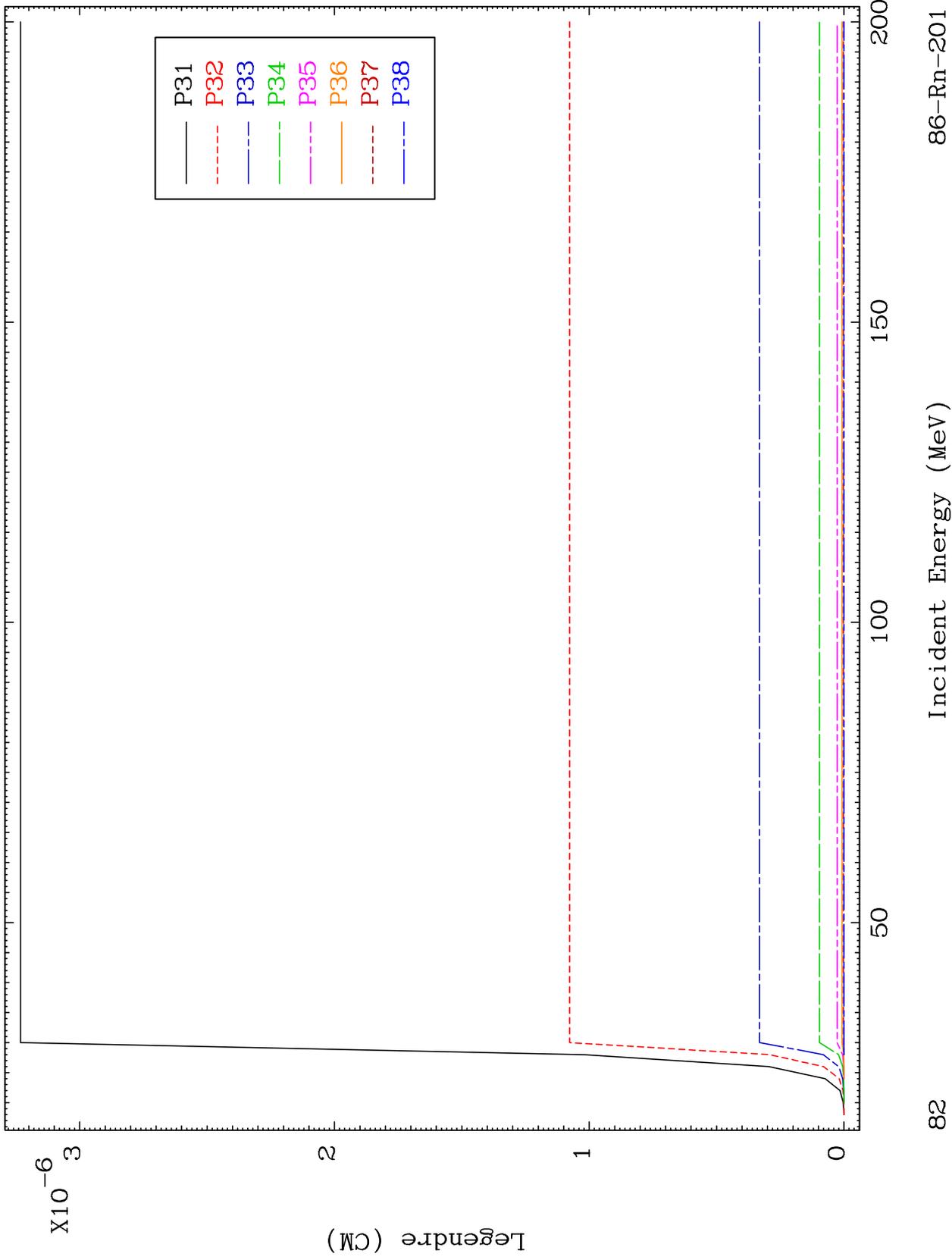
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



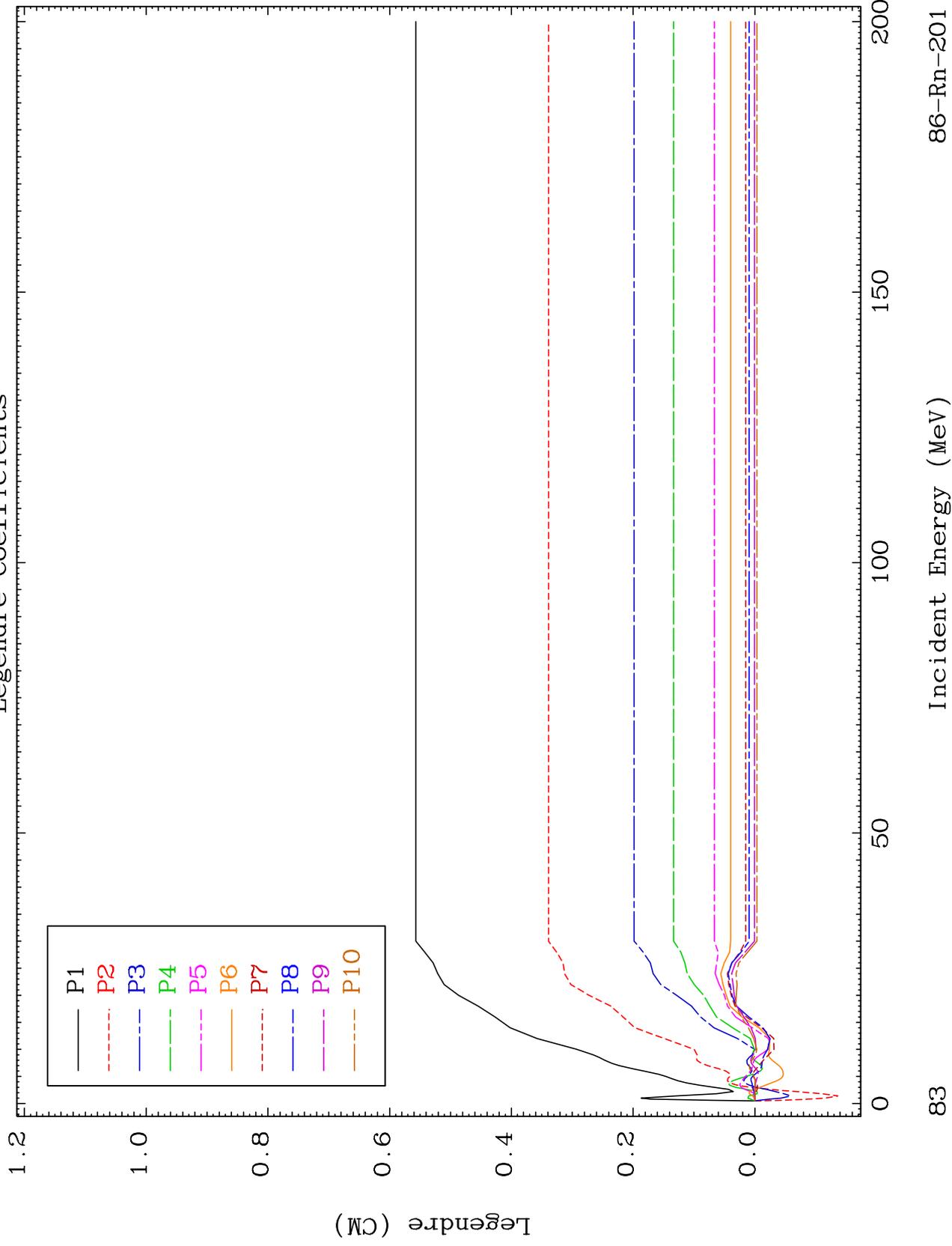
82

86-Rn-201

MAT 8595

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

86-Rn-201



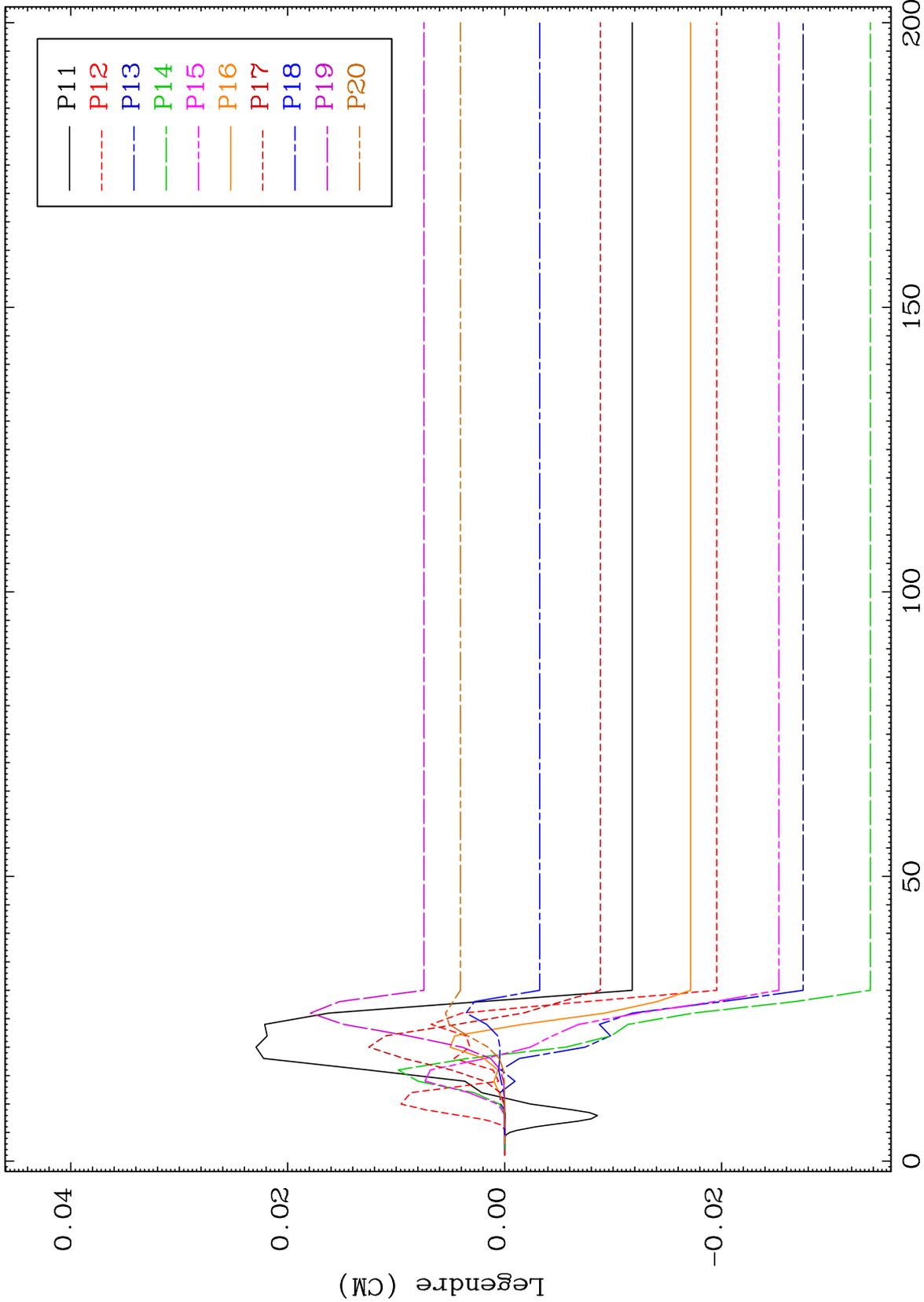
83

86-Rn-201

MAT 8595

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

86-Rn-201



84

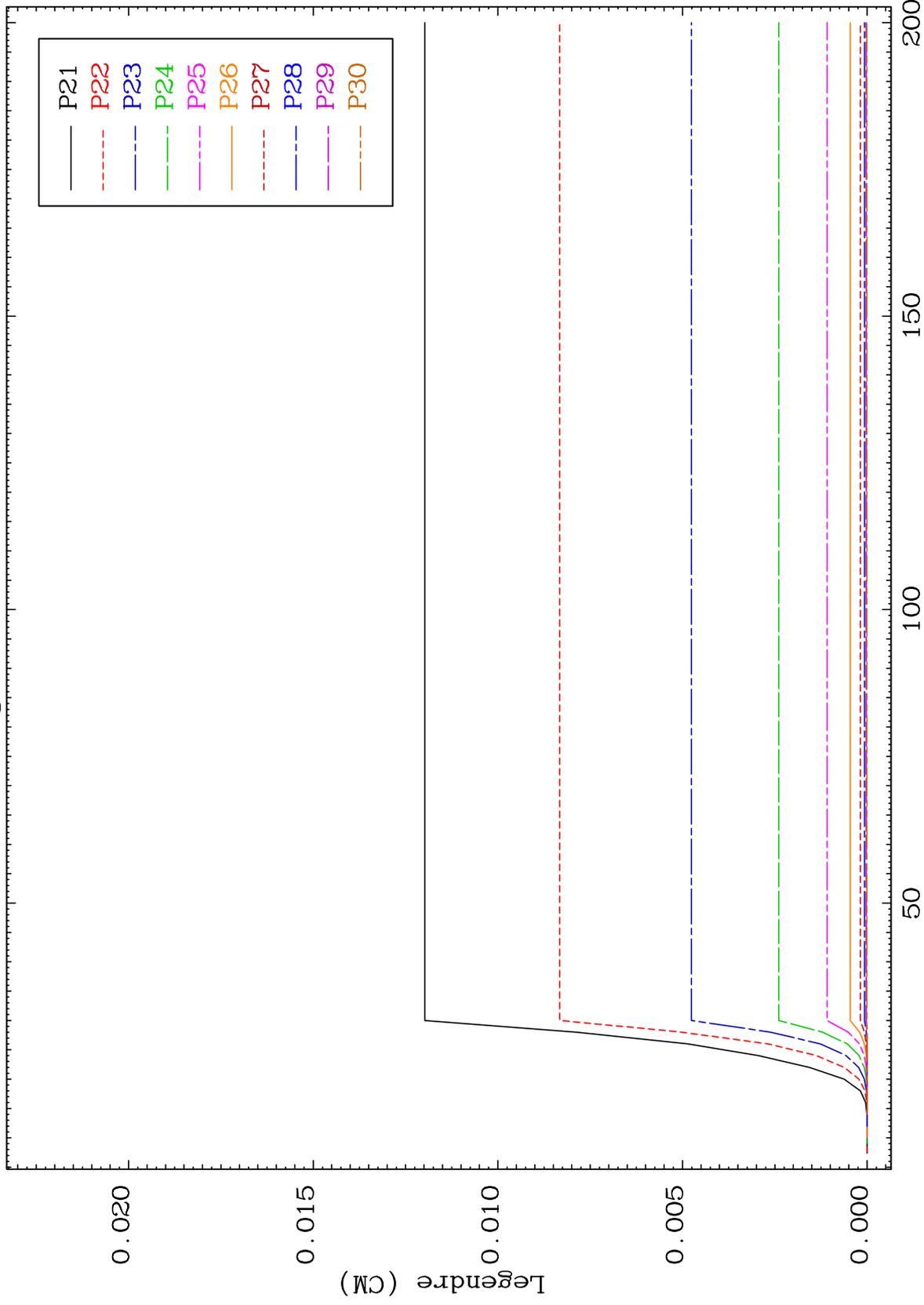
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

86-Rn-201



85

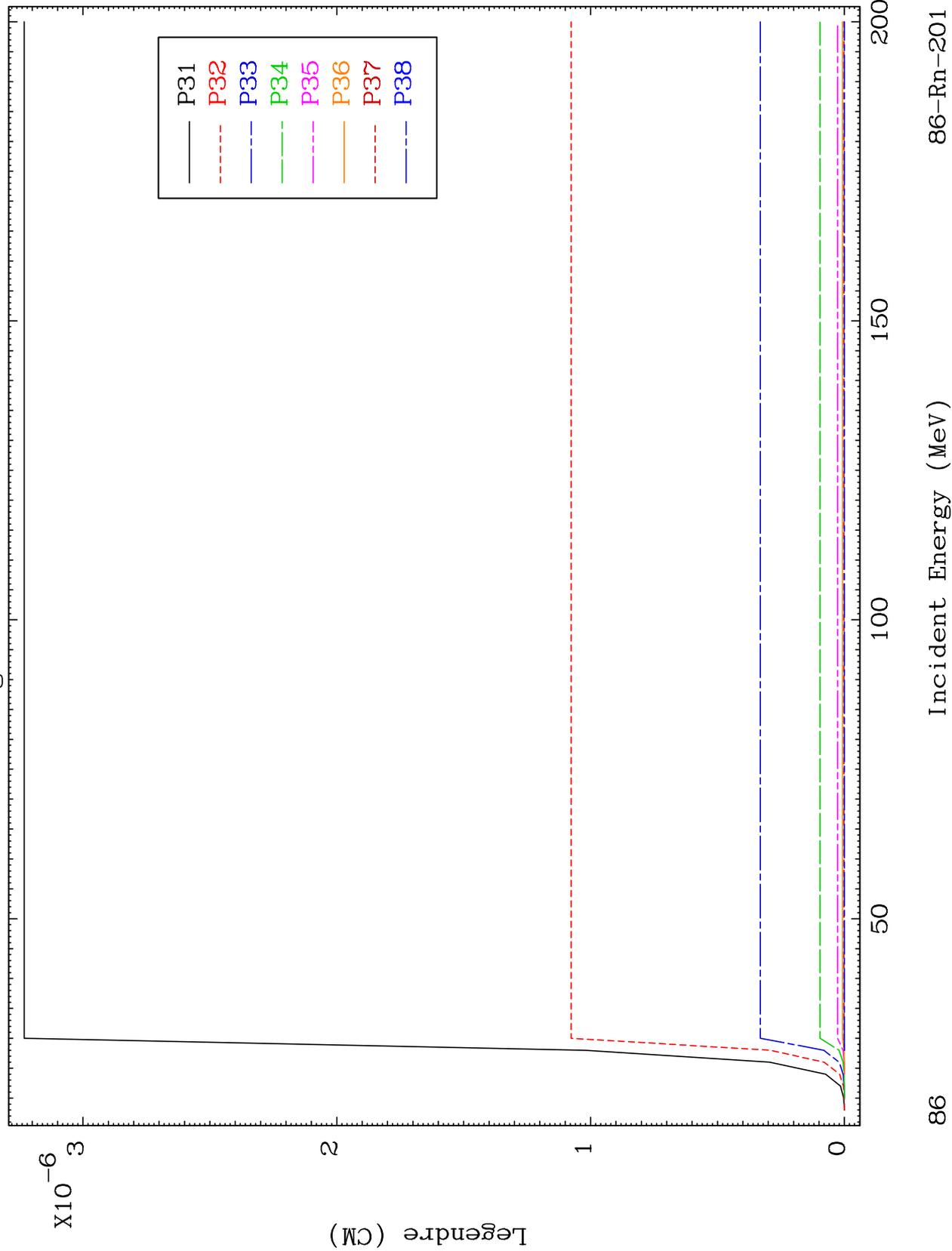
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

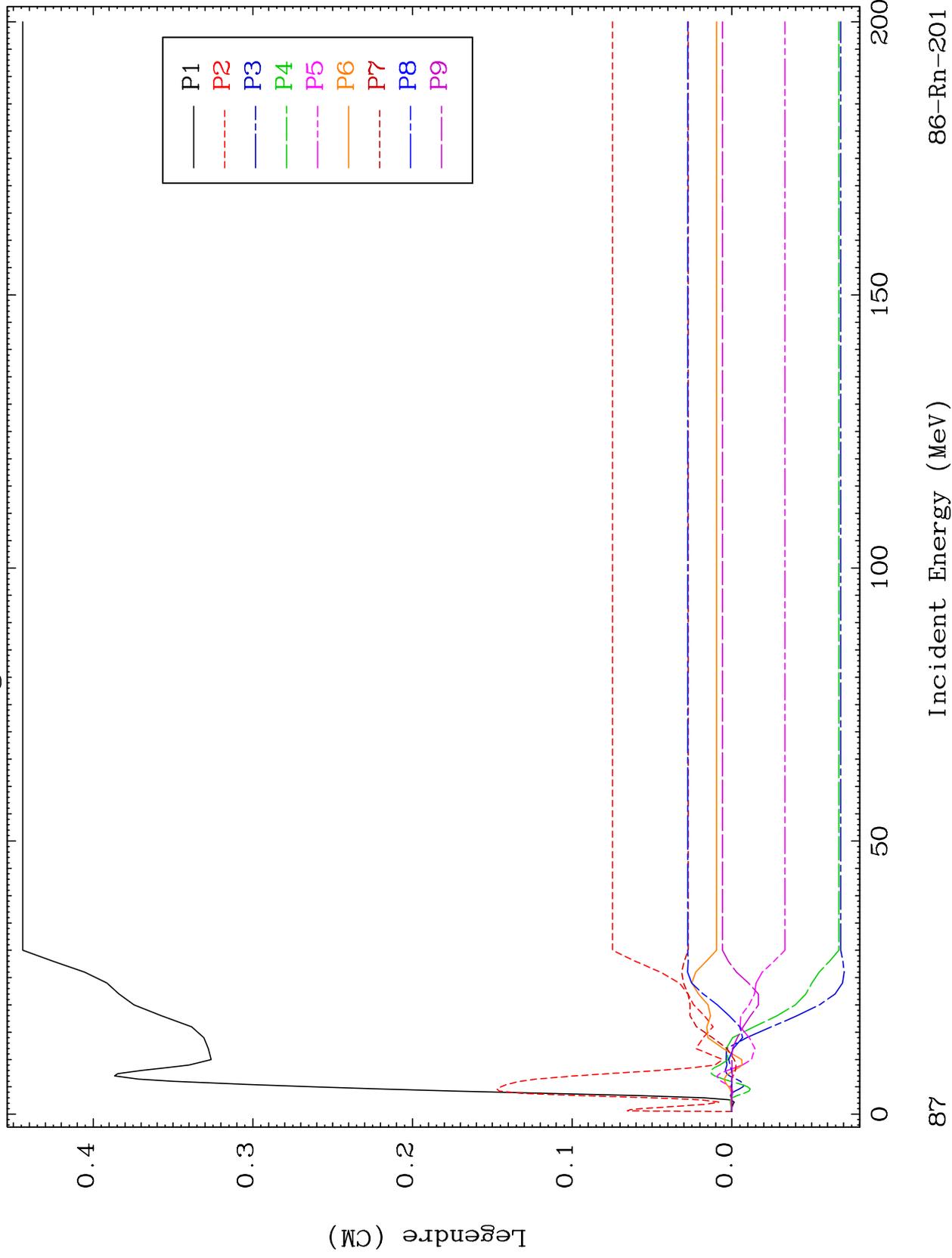
86-Rn-201



MAT 8595

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

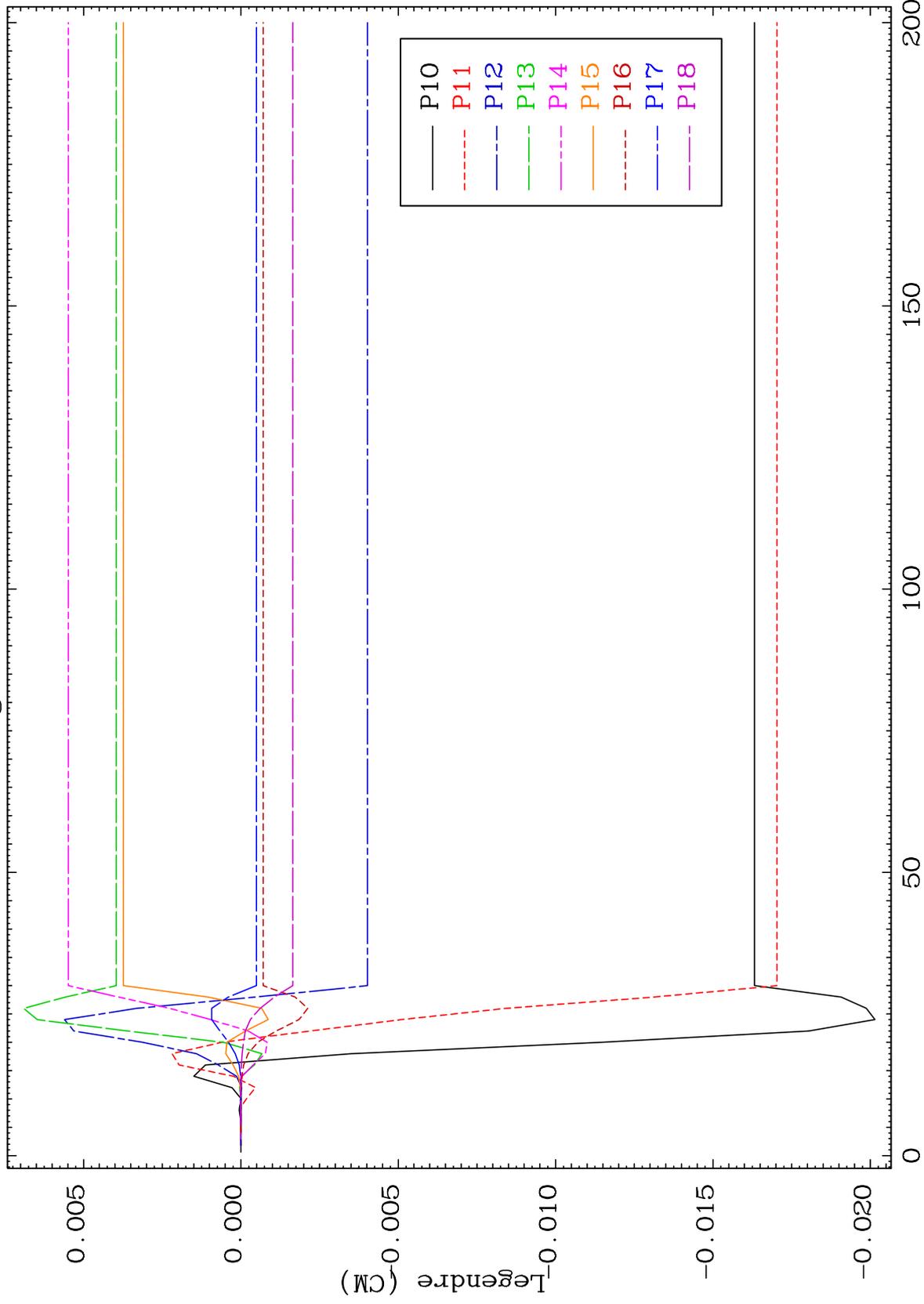
86-Rn-201



MAT 8595

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

86-Rn-201



88

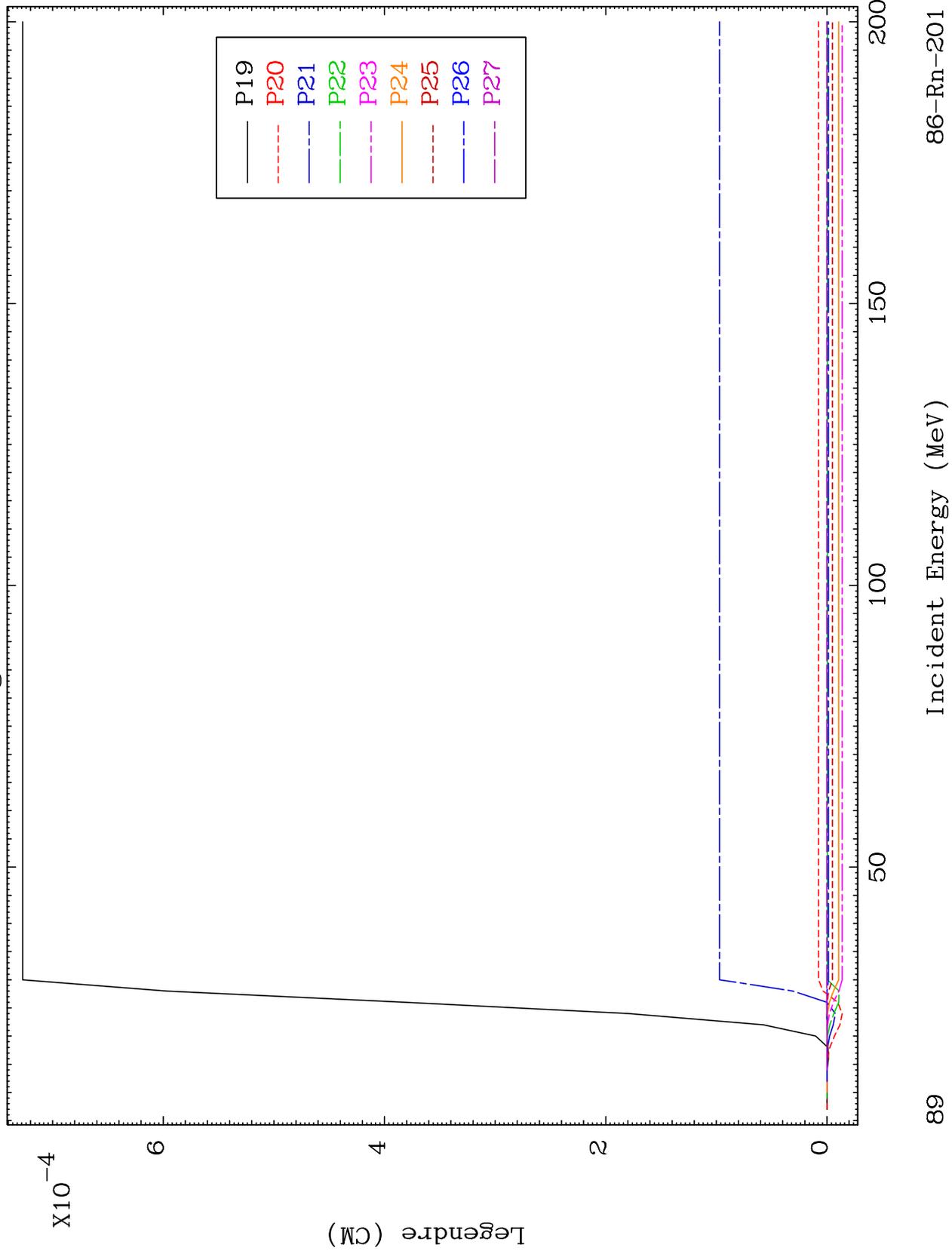
86-Rn-201

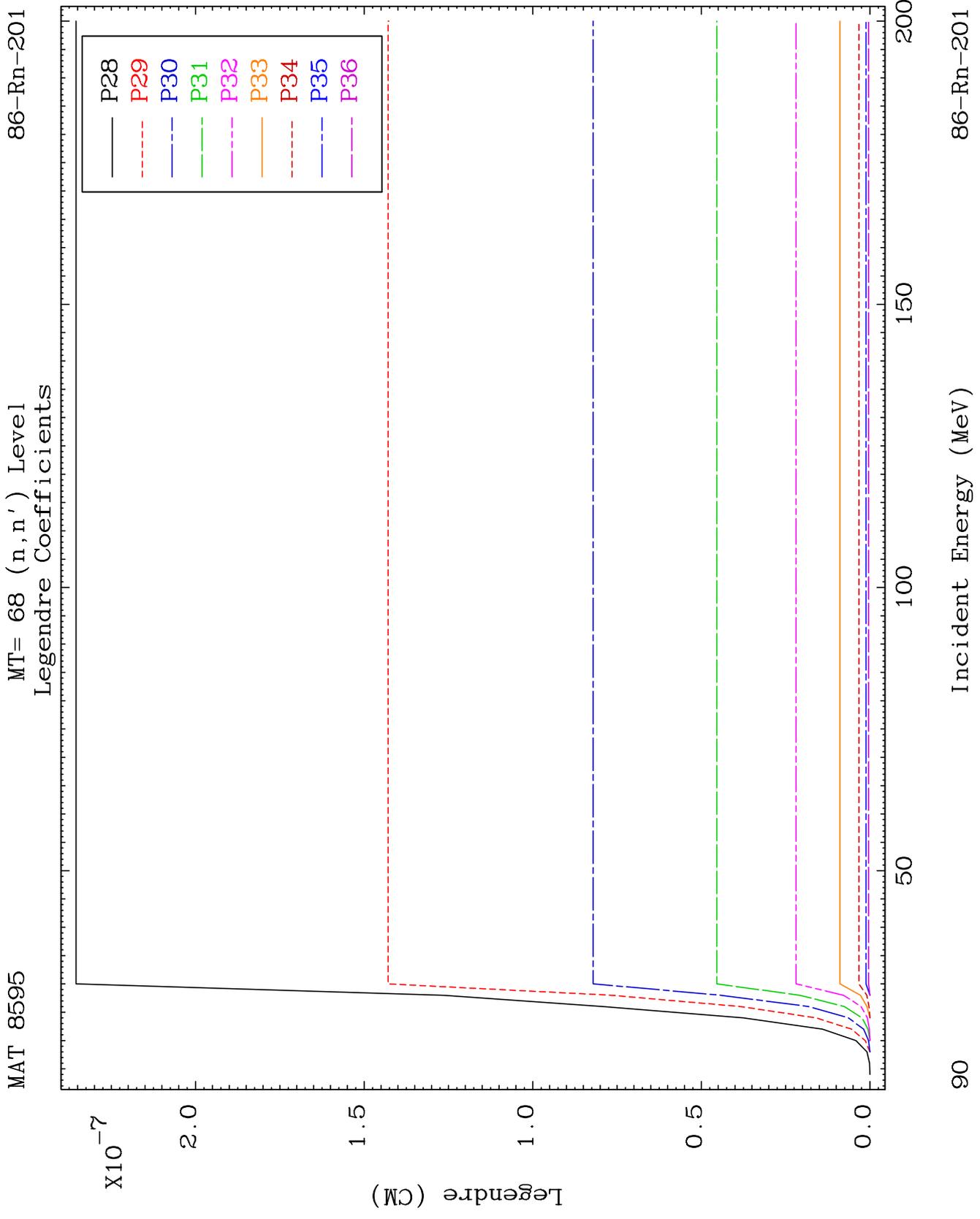
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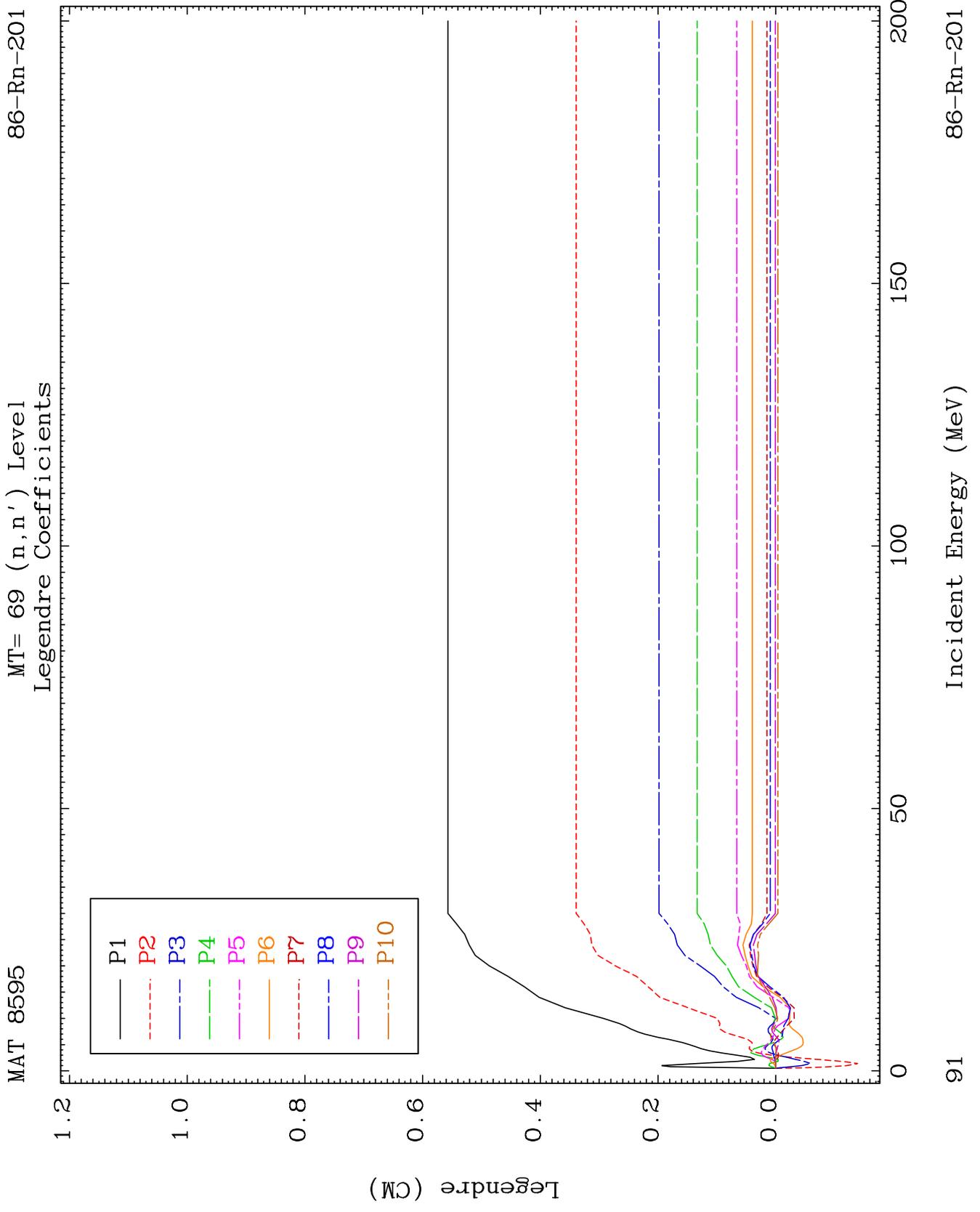
MAT 8595

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

86-Rn-201



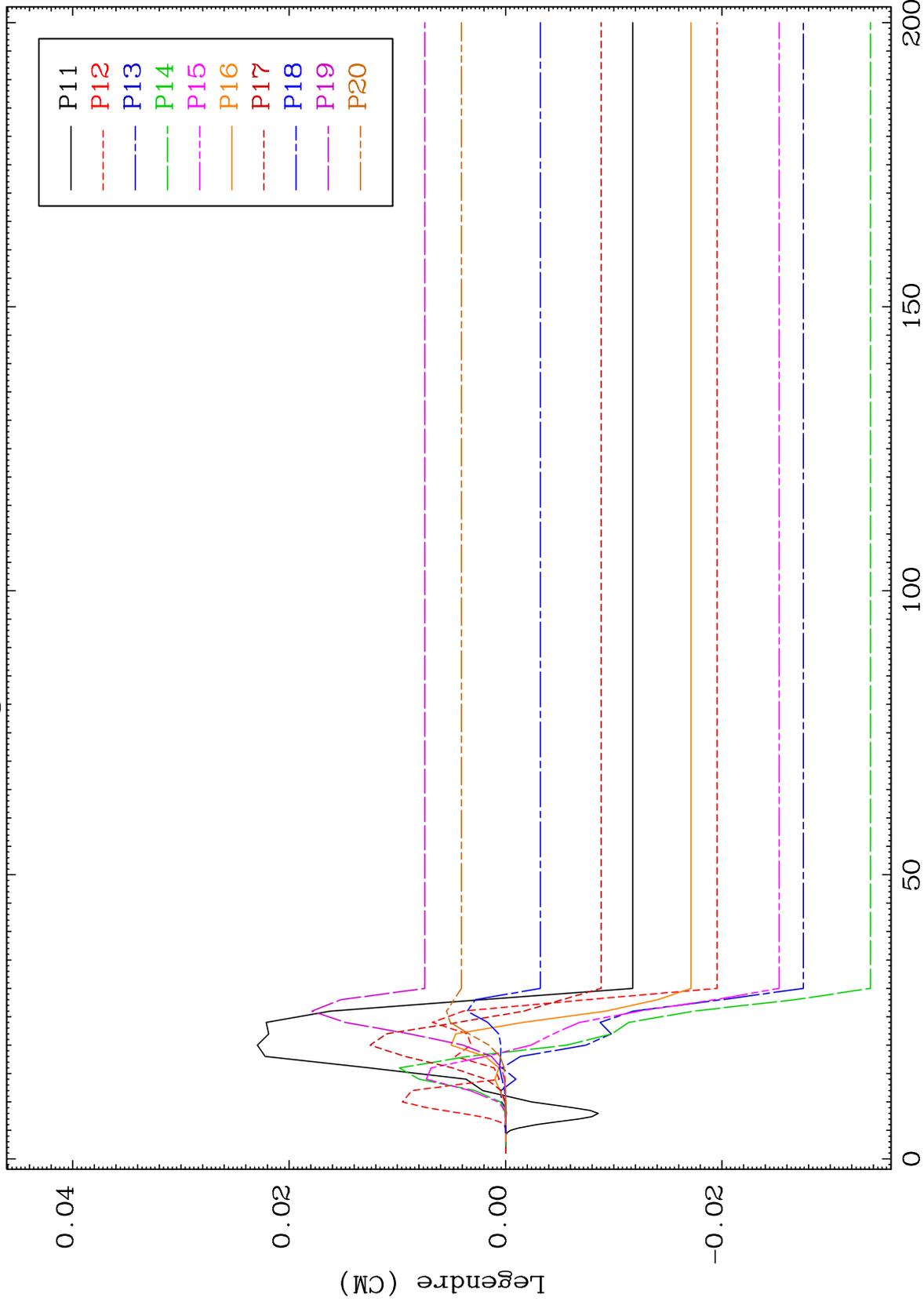




MAT 8595

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

86-Rn-201



92

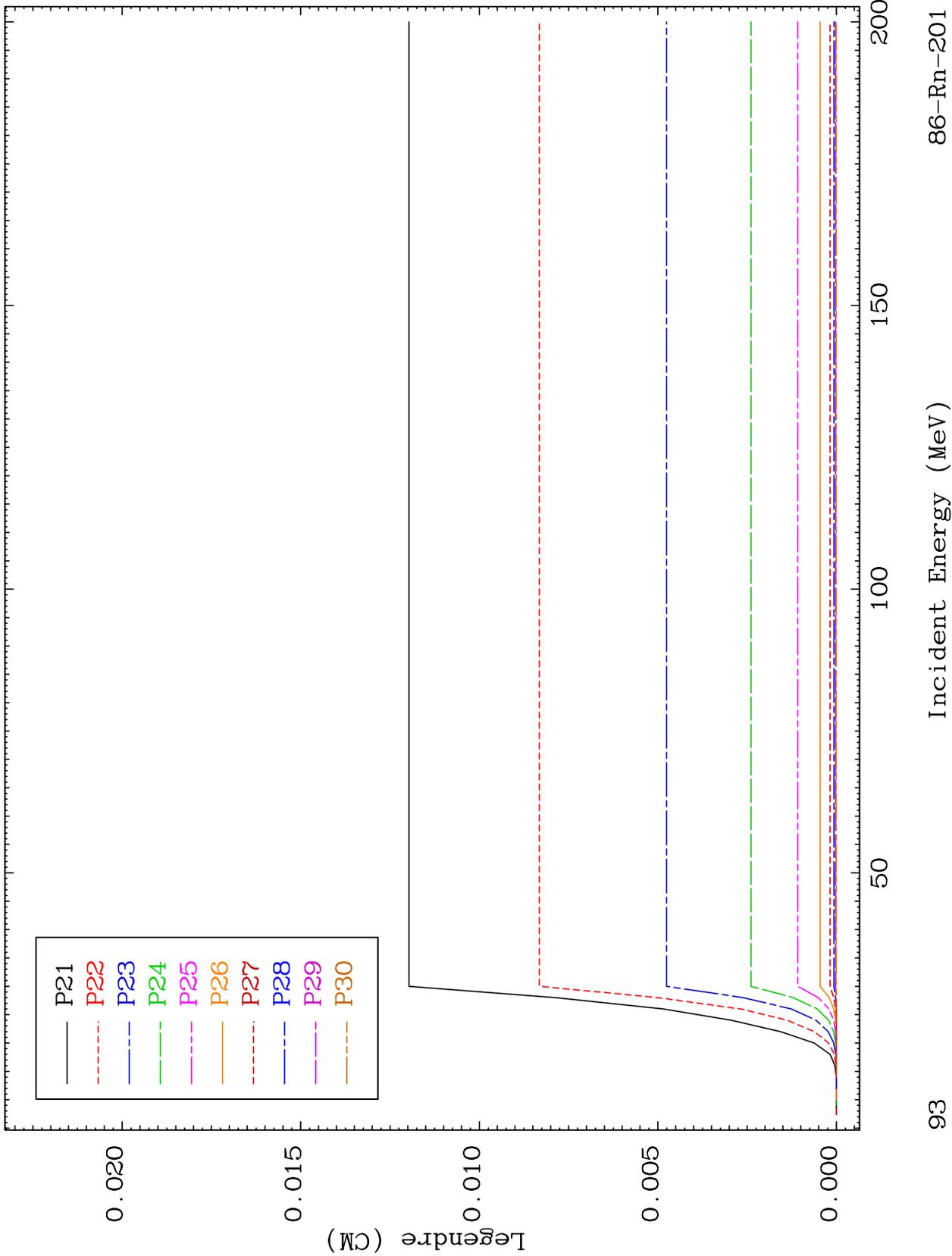
Incident Energy (MeV)

86-Rn-201

MAT 8595

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

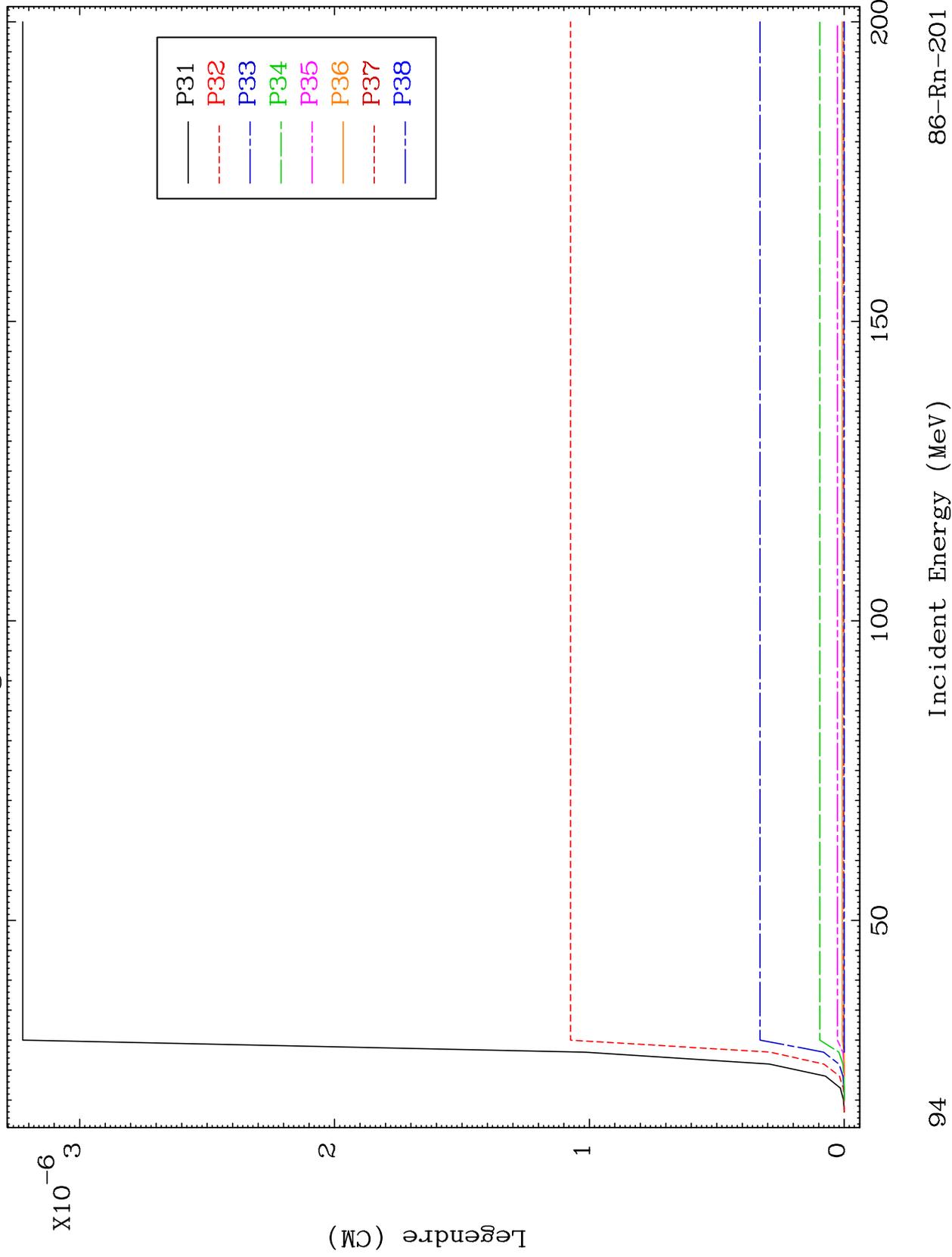
86-Rn-201



MAT 8595

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

86-Rn-201



94

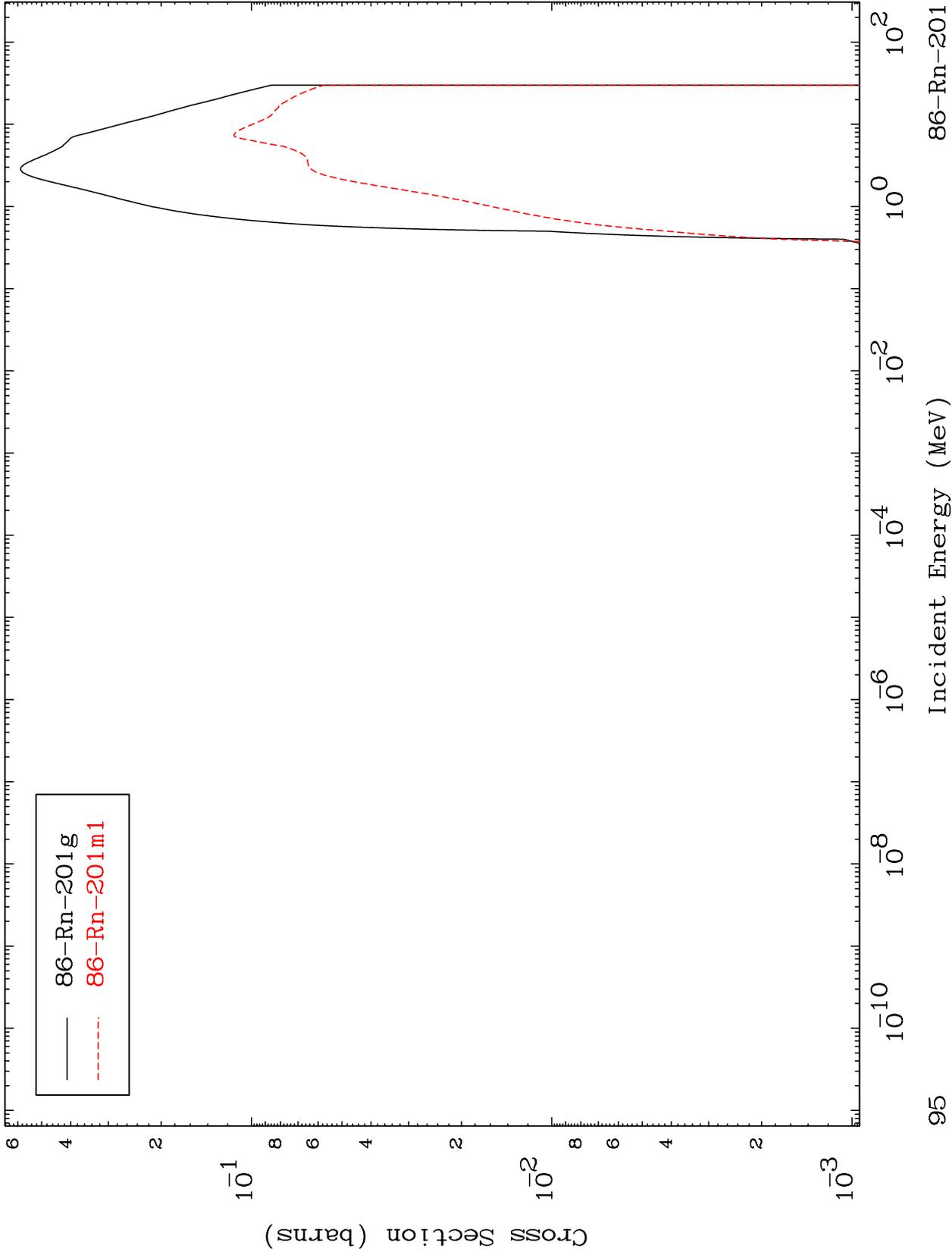
Incident Energy (MeV)

86-Rn-201

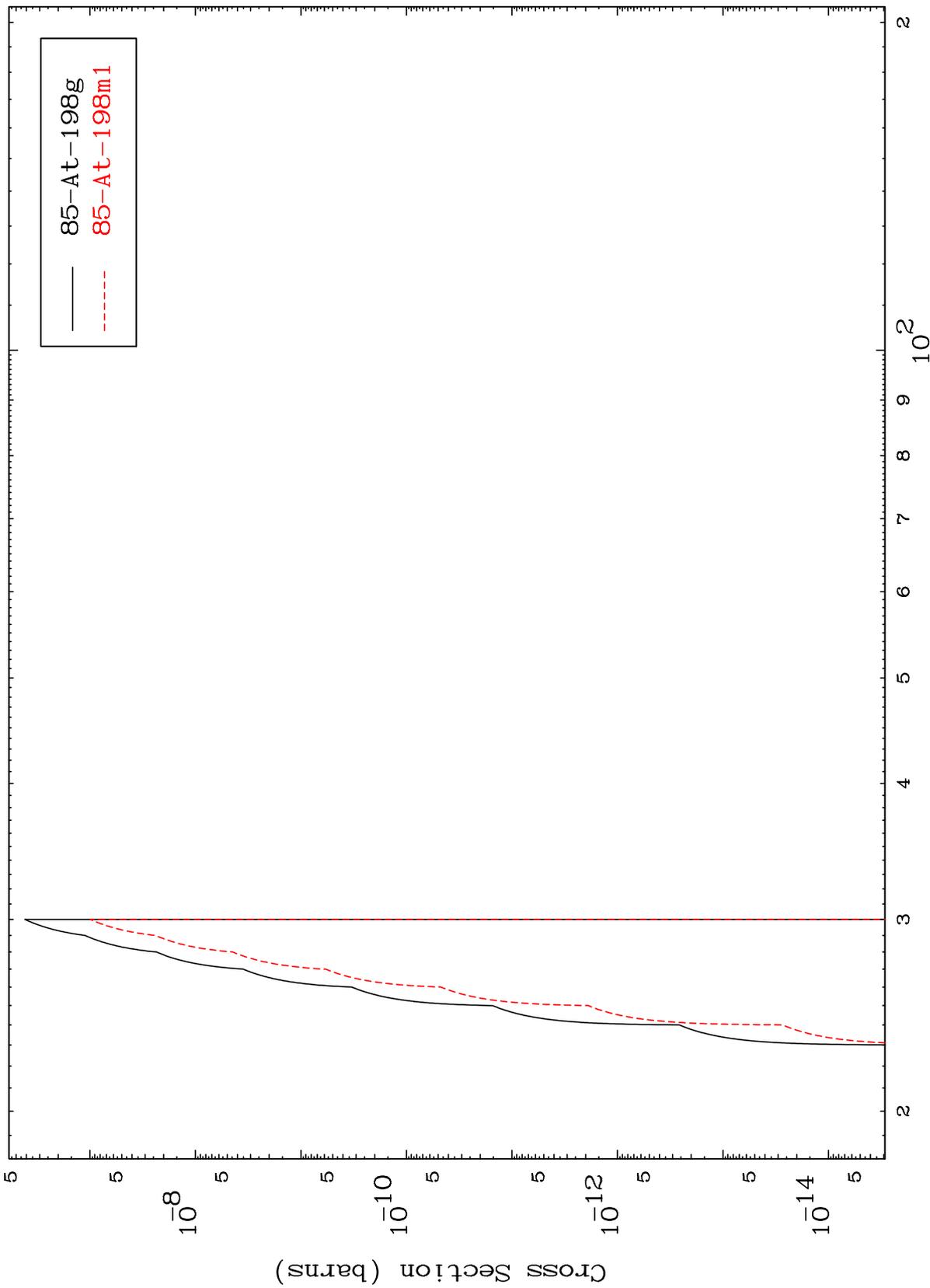
MAT 8595

Inelastic  
Radionuclide Production Cross Section

86-Rn-201



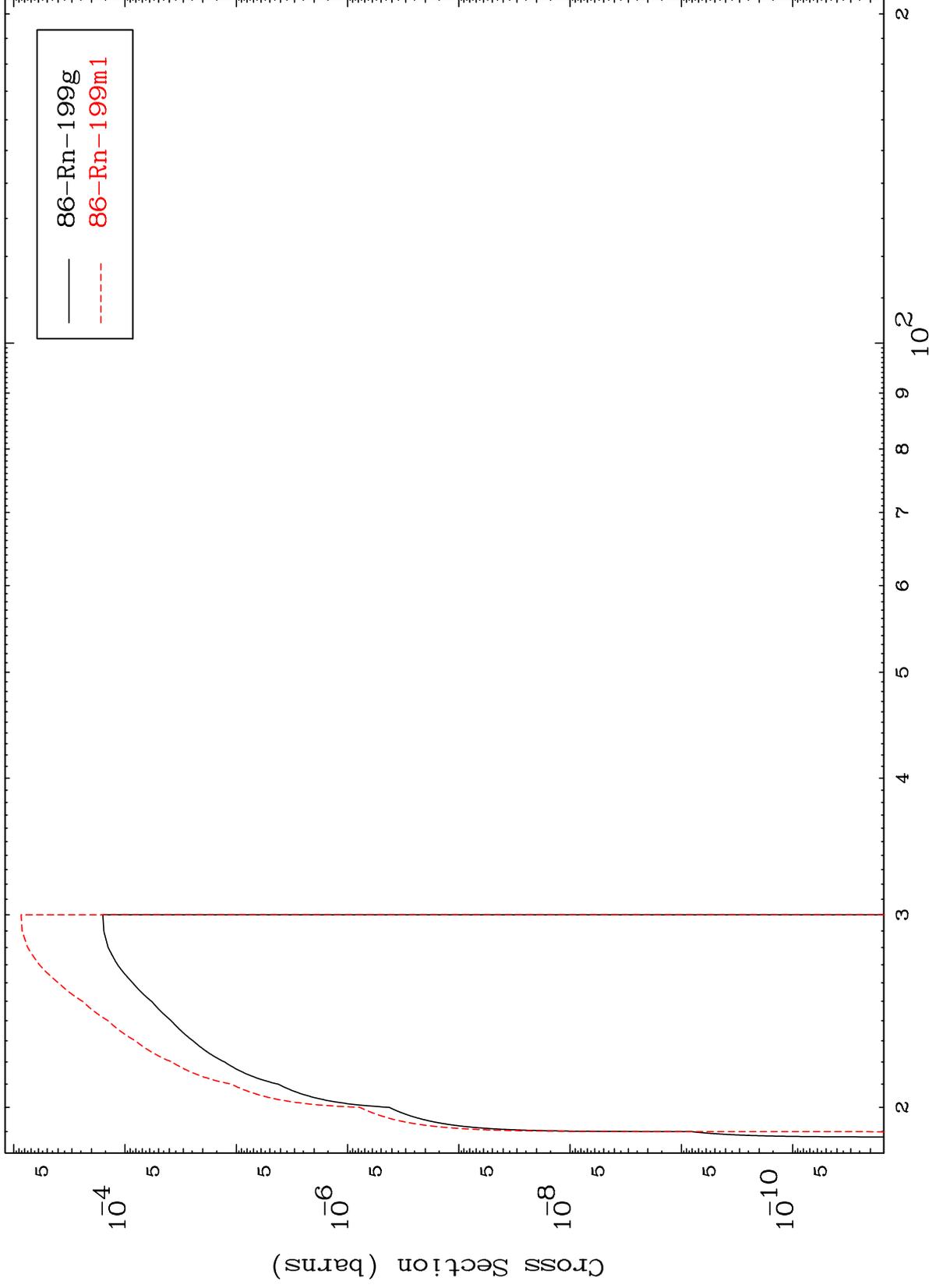
Radionuclide Production Cross Section



MAT 8595

86-Rn-201

(n,3n)  
Radionuclide Production Cross Section



97

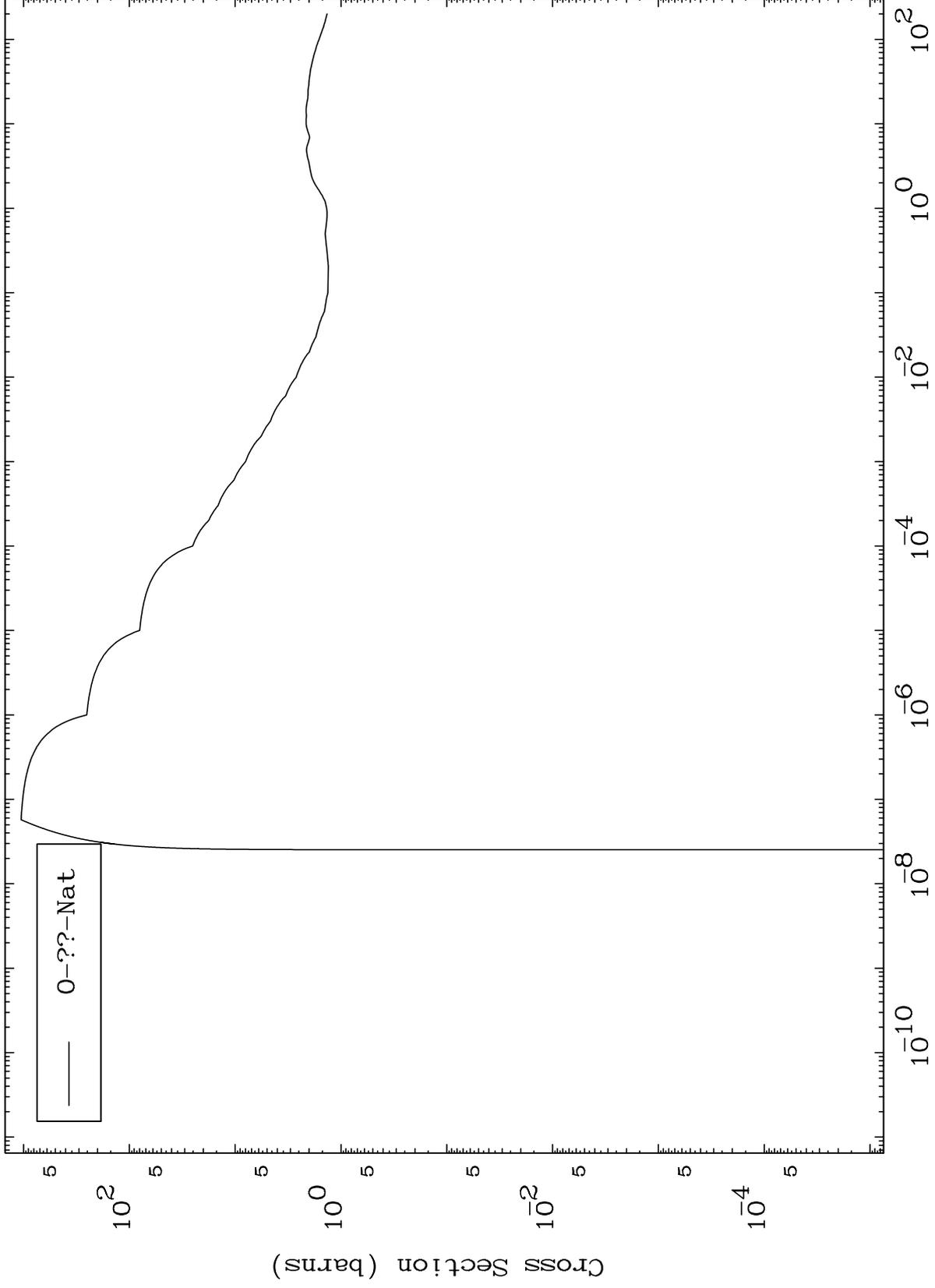
Incident Energy (MeV)

86-Rn-201

MAT 8595

86-Rn-201

Fission  
Radionuclide Production Cross Section



98

86-Rn-201

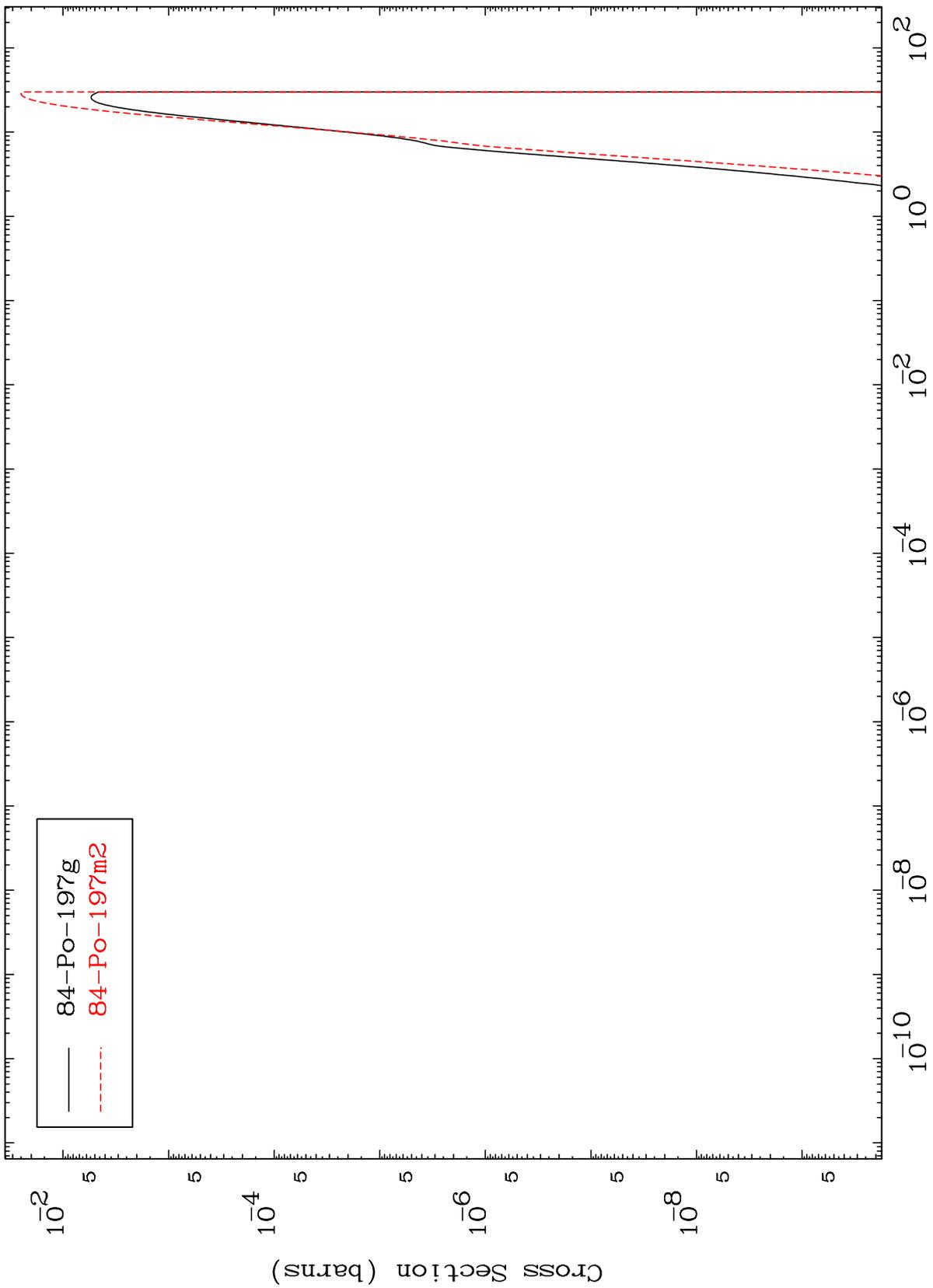
Incident Energy (MeV)

MAT 8595

(n,n')  $\alpha$

86-Rn-201

Radionuclide Production Cross Section



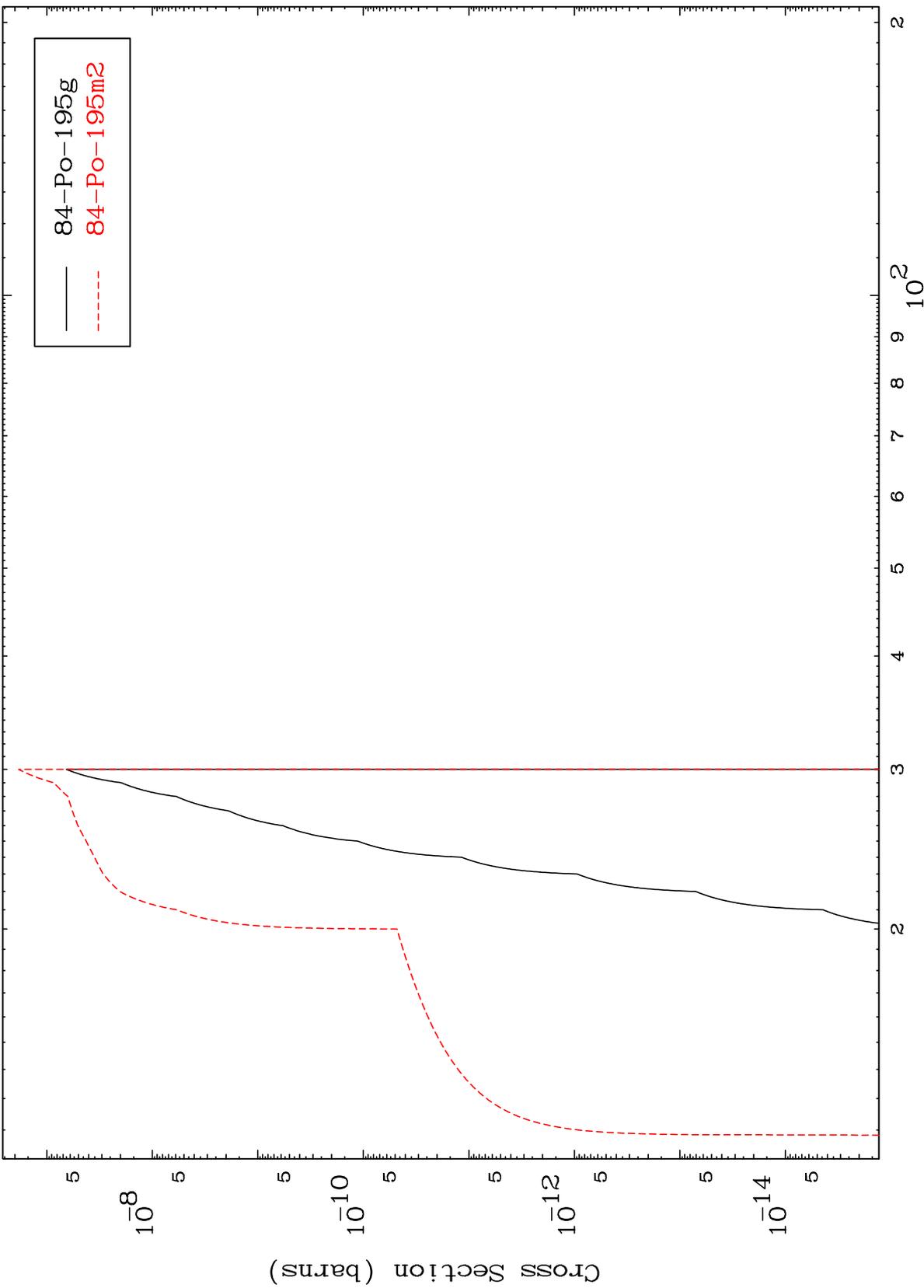
84-Po-197g  
84-Po-197m2

MAT 8595

(n,3n)  $\alpha$

86-Rn-201

Radionuclide Production Cross Section



100

Incident Energy (MeV)

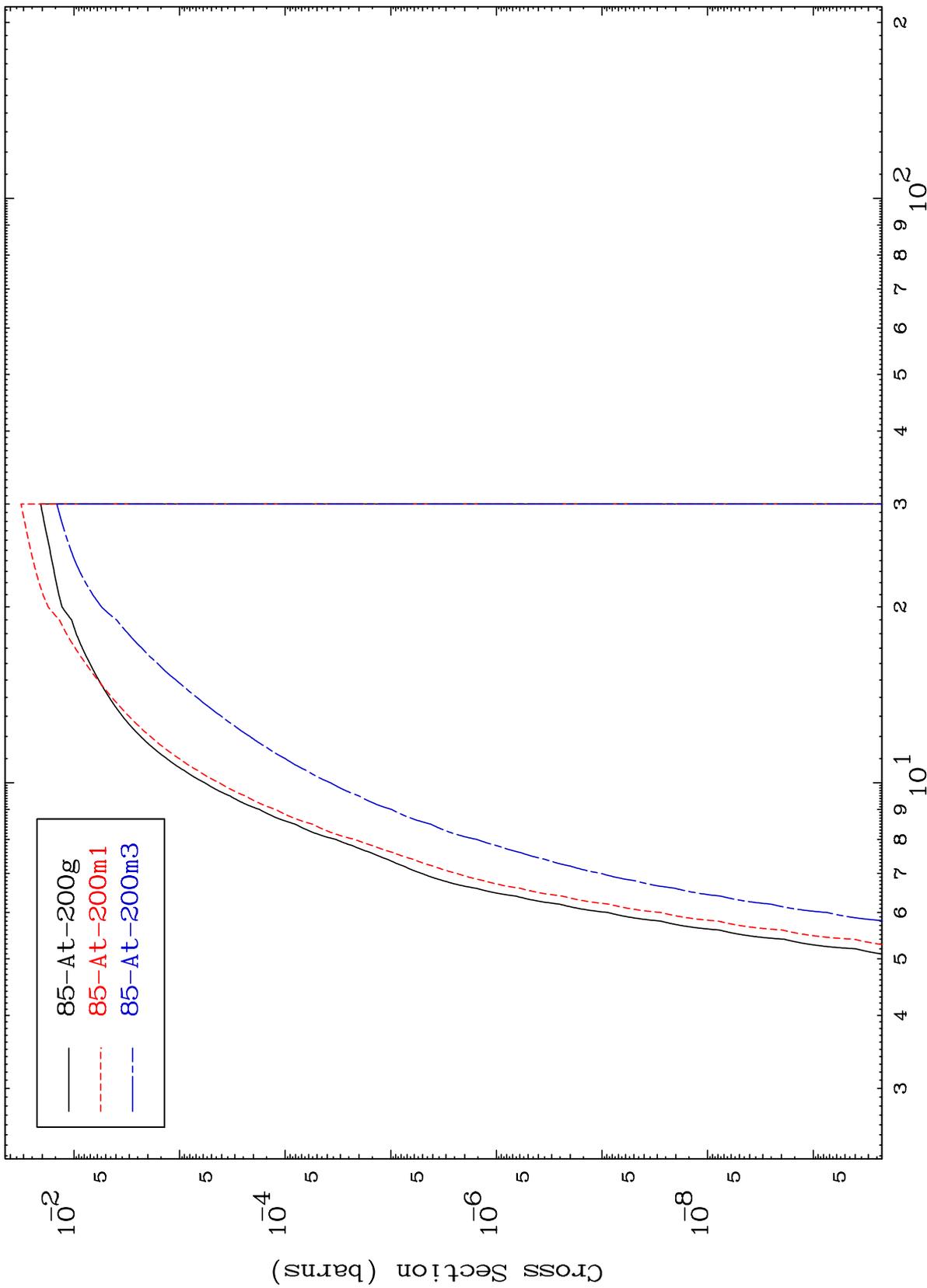
86-Rn-201

MAT 8595

(n,n') p

86-Rn-201

Radionuclide Production Cross Section



101

Incident Energy (MeV)

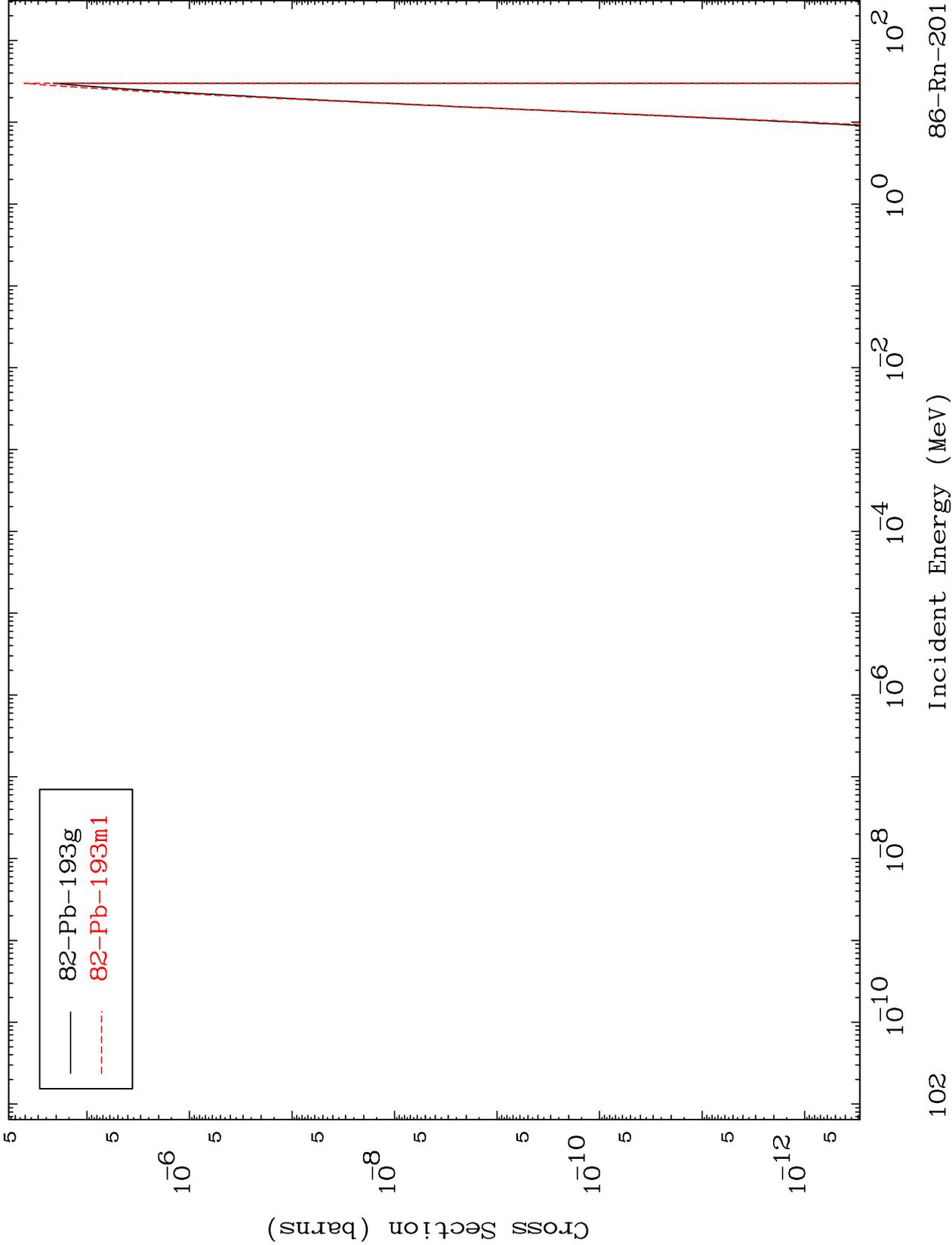
86-Rn-201

MAT 8595

(n,n') 2 $\alpha$

86-Rn-201

Radionuclide Production Cross Section



82-Pb-193g  
82-Pb-193m1

102

Incident Energy (MeV)

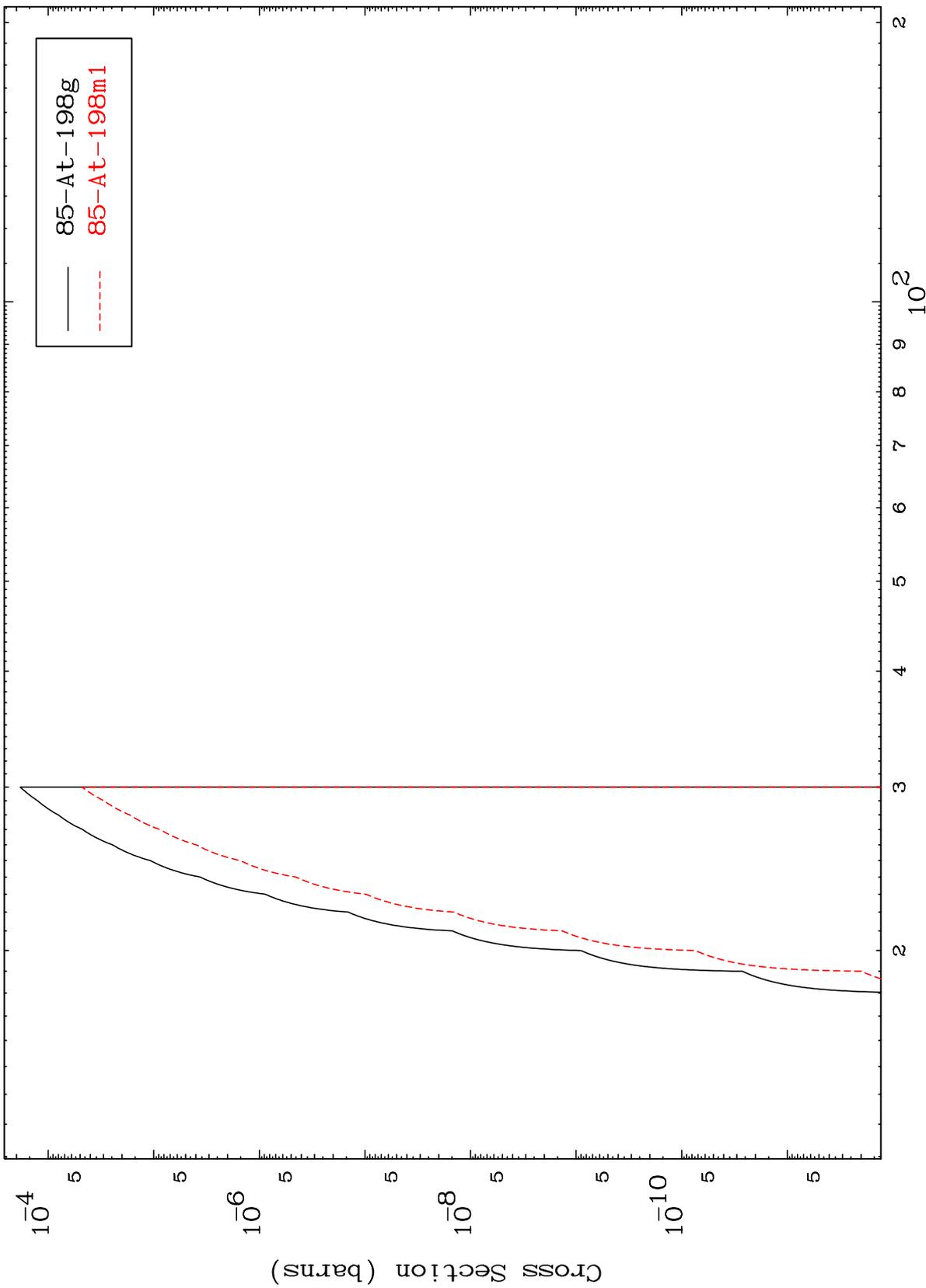
86-Rn-201

MAT 8595

(n,n') t

86-Rn-201

Radionuclide Production Cross Section



103

Incident Energy (MeV)

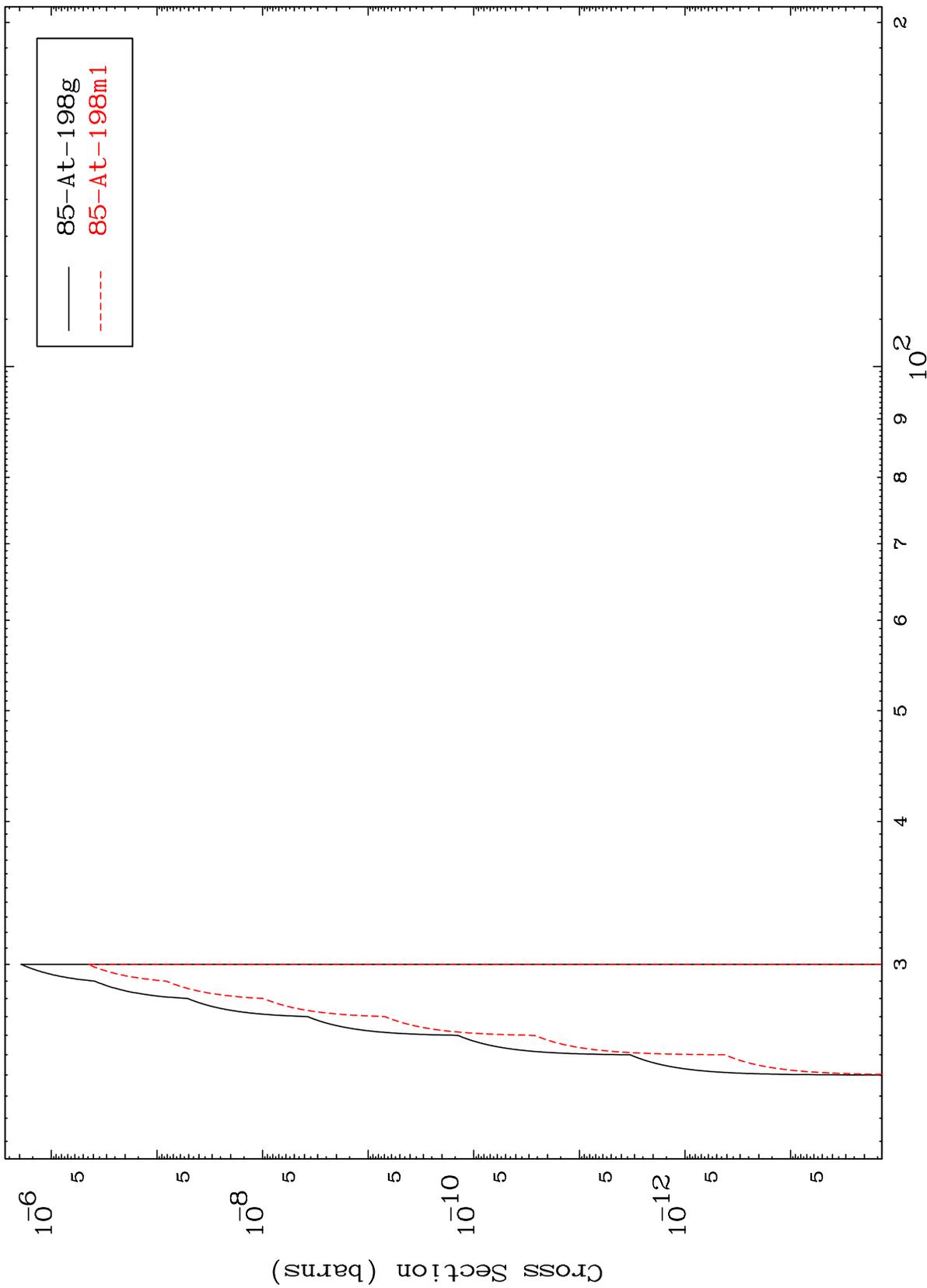
86-Rn-201

MAT 8595

(n,3n) p

86-Rn-201

Radionuclide Production Cross Section



104

Incident Energy (MeV)

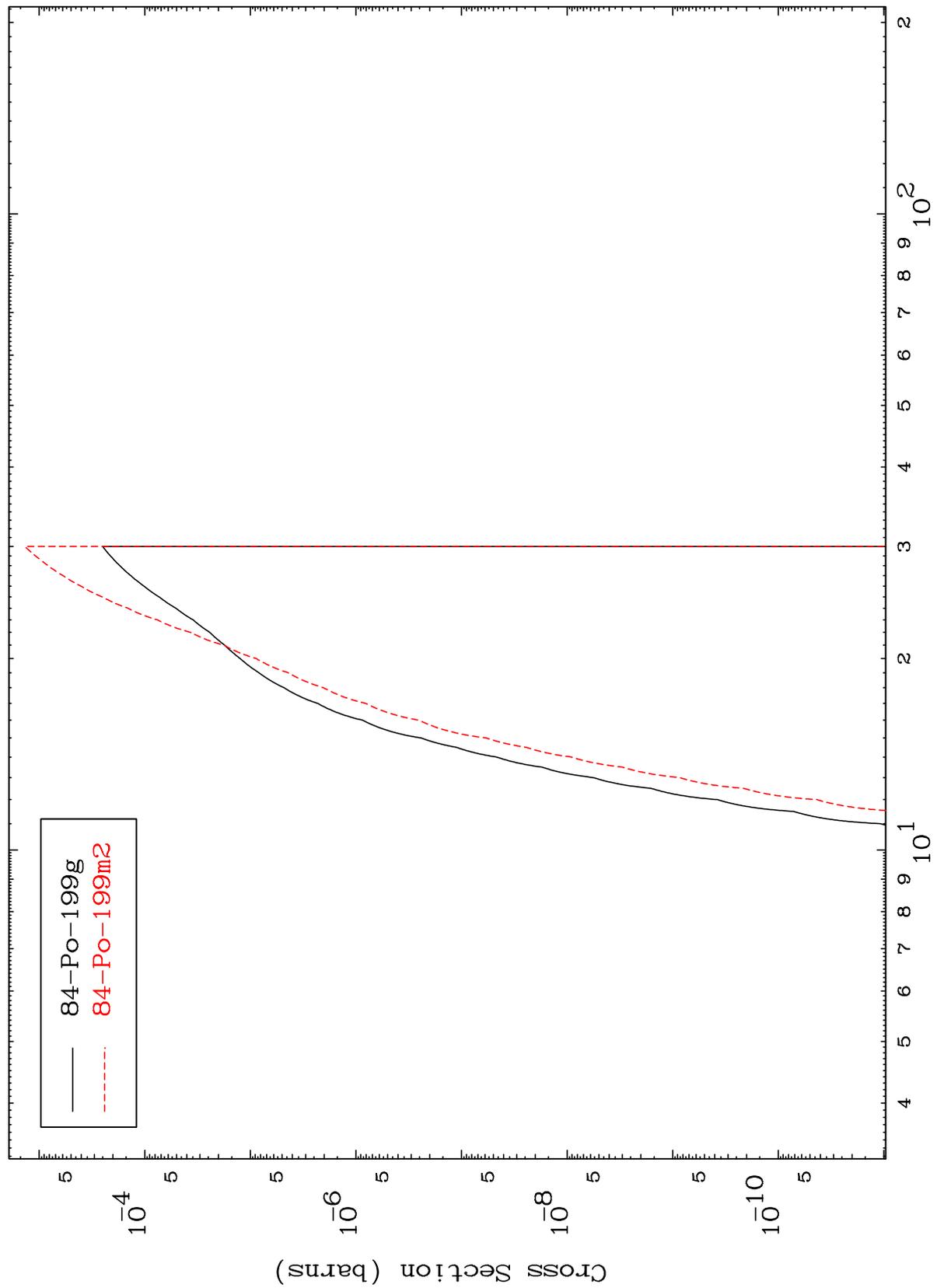
86-Rn-201

MAT 8595

(n,2n) p

86-Rn-201

Radionuclide Production Cross Section



105

Incident Energy (MeV)

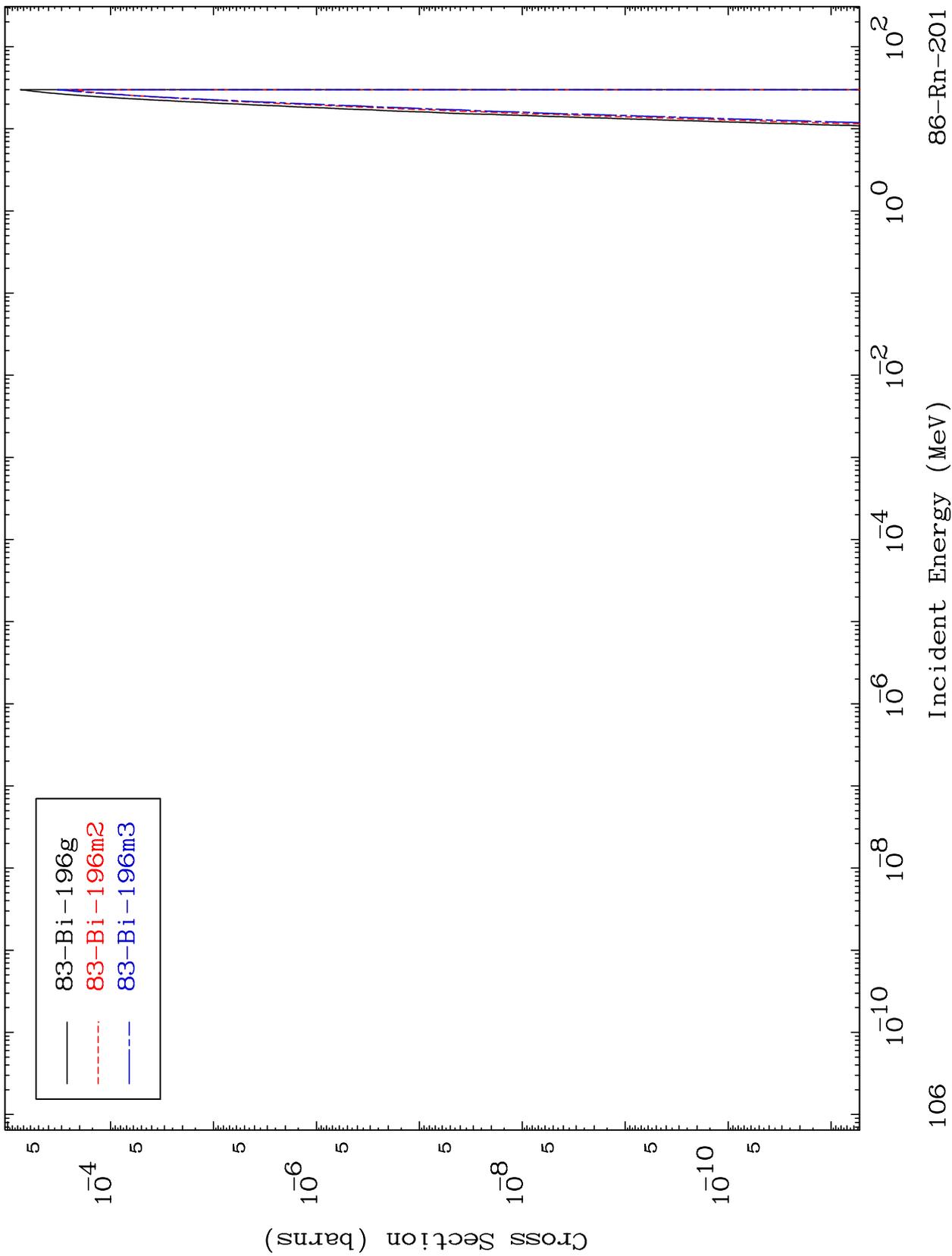
86-Rn-201

MAT 8595

(n,n') p  $\alpha$

86-Rn-201

Radionuclide Production Cross Section

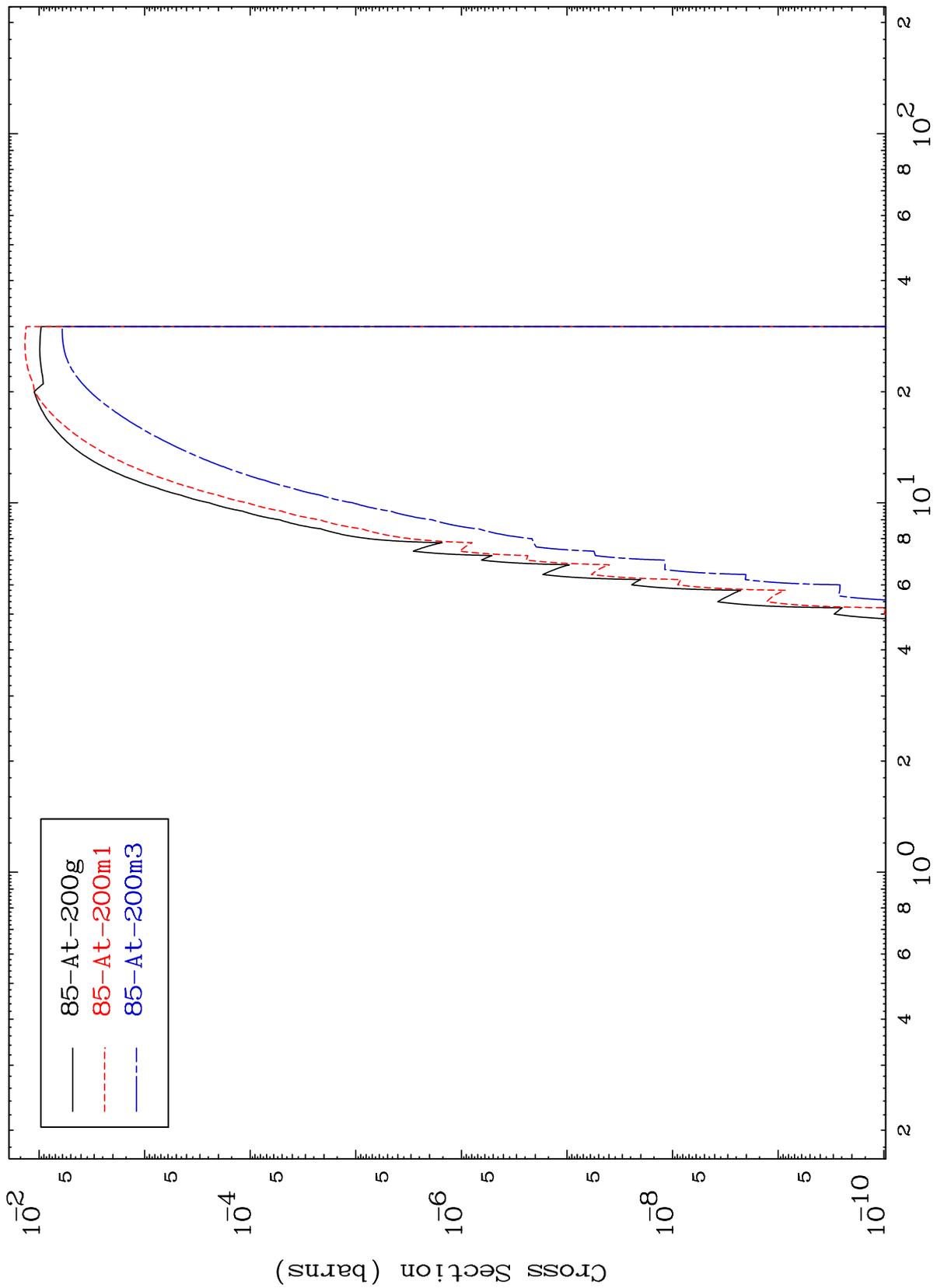


MAT 8595

(n,d)

86-Rn-201

Radionuclide Production Cross Section



107

Incident Energy (MeV)

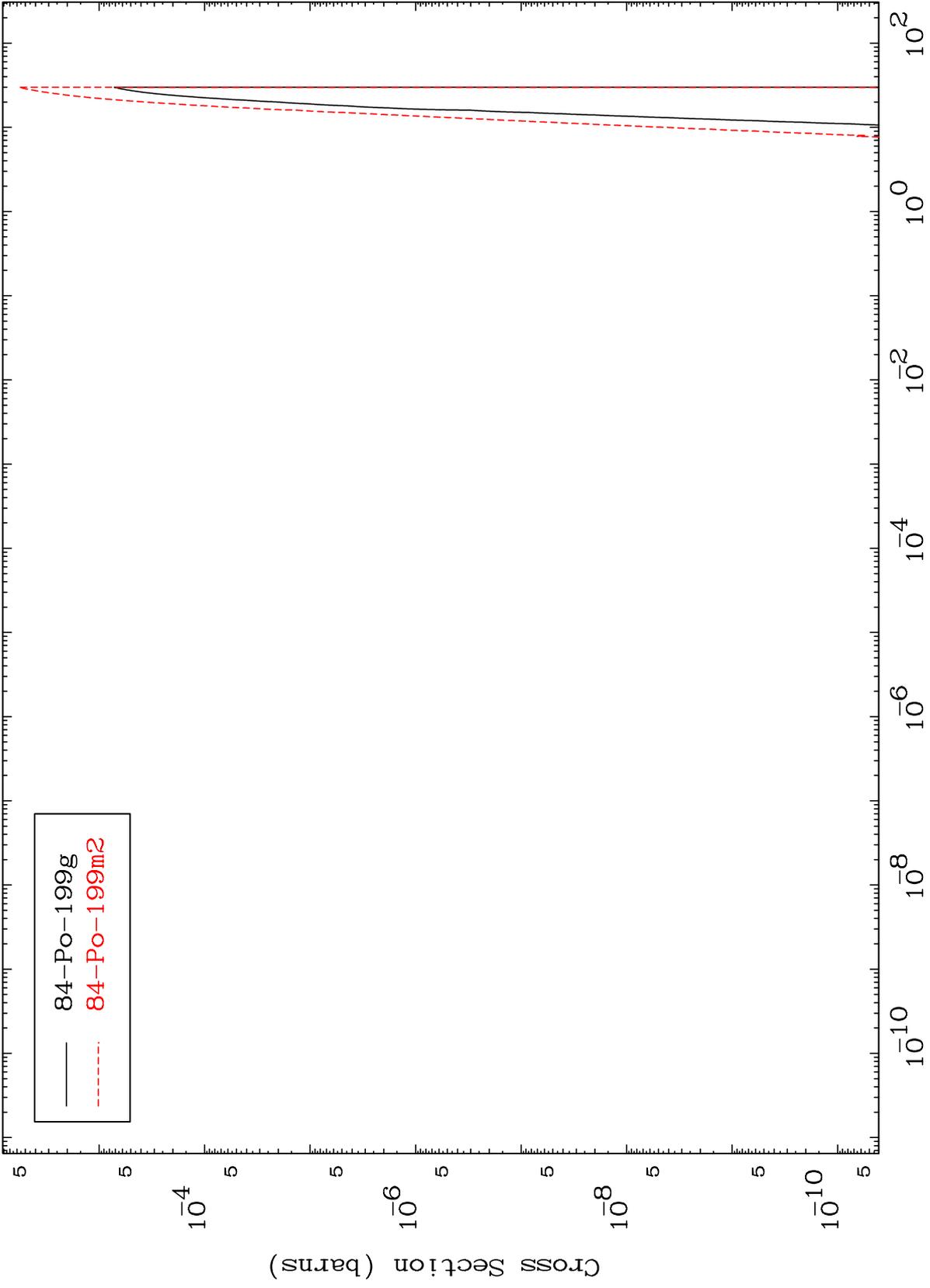
86-Rn-201

MAT 8595

(n,He-3)

86-Rn-201

Radionuclide Production Cross Section



108

Incident Energy (MeV)

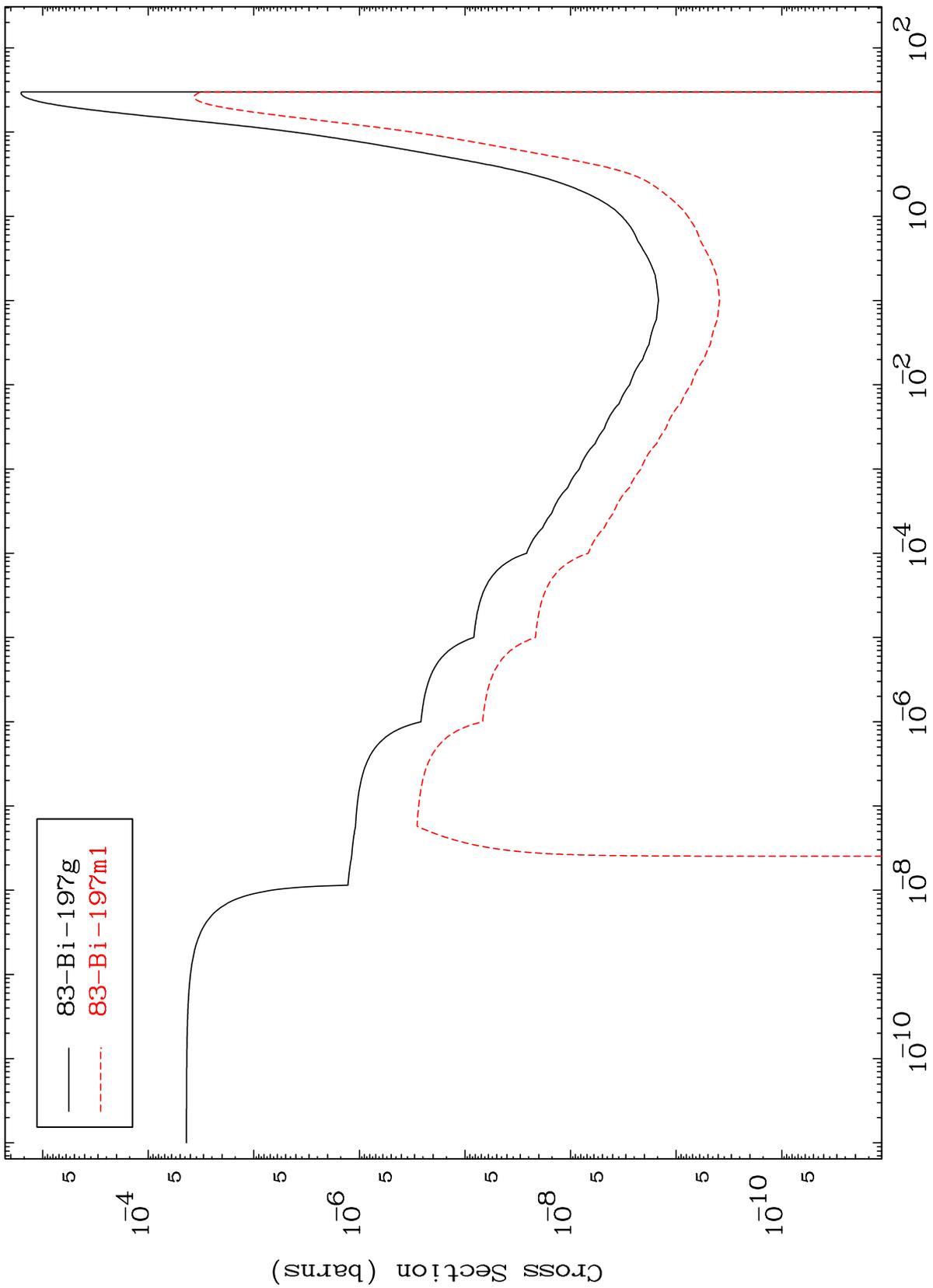
86-Rn-201

MAT 8595

(n,p)  $\alpha$

86-Rn-201

Radionuclide Production Cross Section



83-Bi-197g  
83-Bi-197m1

109

Incident Energy (MeV)

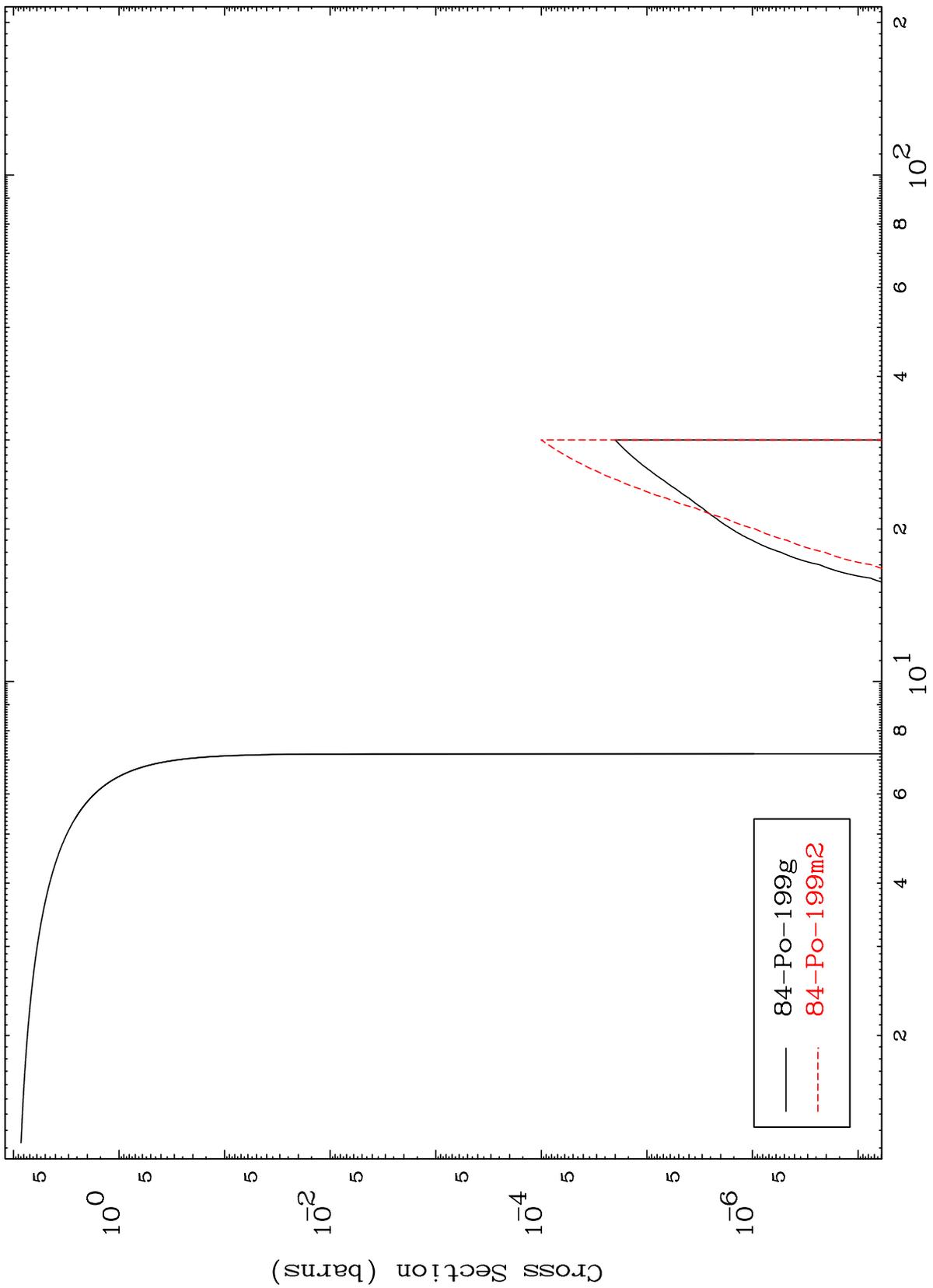
86-Rn-201

MAT 8595

(n,p) d

86-Rn-201

Radionuclide Production Cross Section



110

Incident Energy (MeV)

86-Rn-201

MAT 8595

(n,d)  $\alpha$

86-Rn-201

Radionuclide Production Cross Section

