

Program EVALPLOT  
(Version 2021-1)

by

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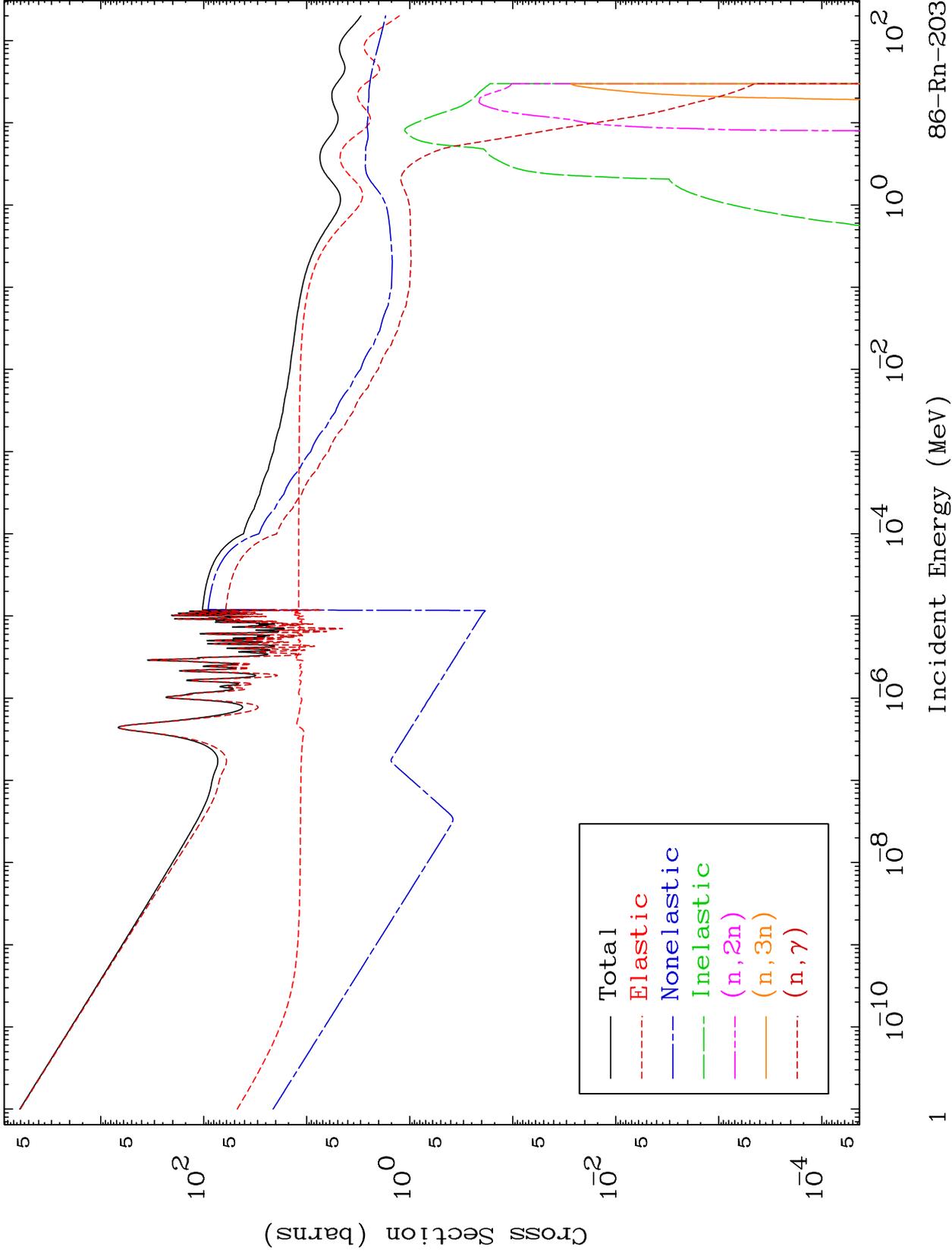
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Press Mouse Button to Start

MAT 8601

Neutron Major  
293 Kelvin Cross Sections

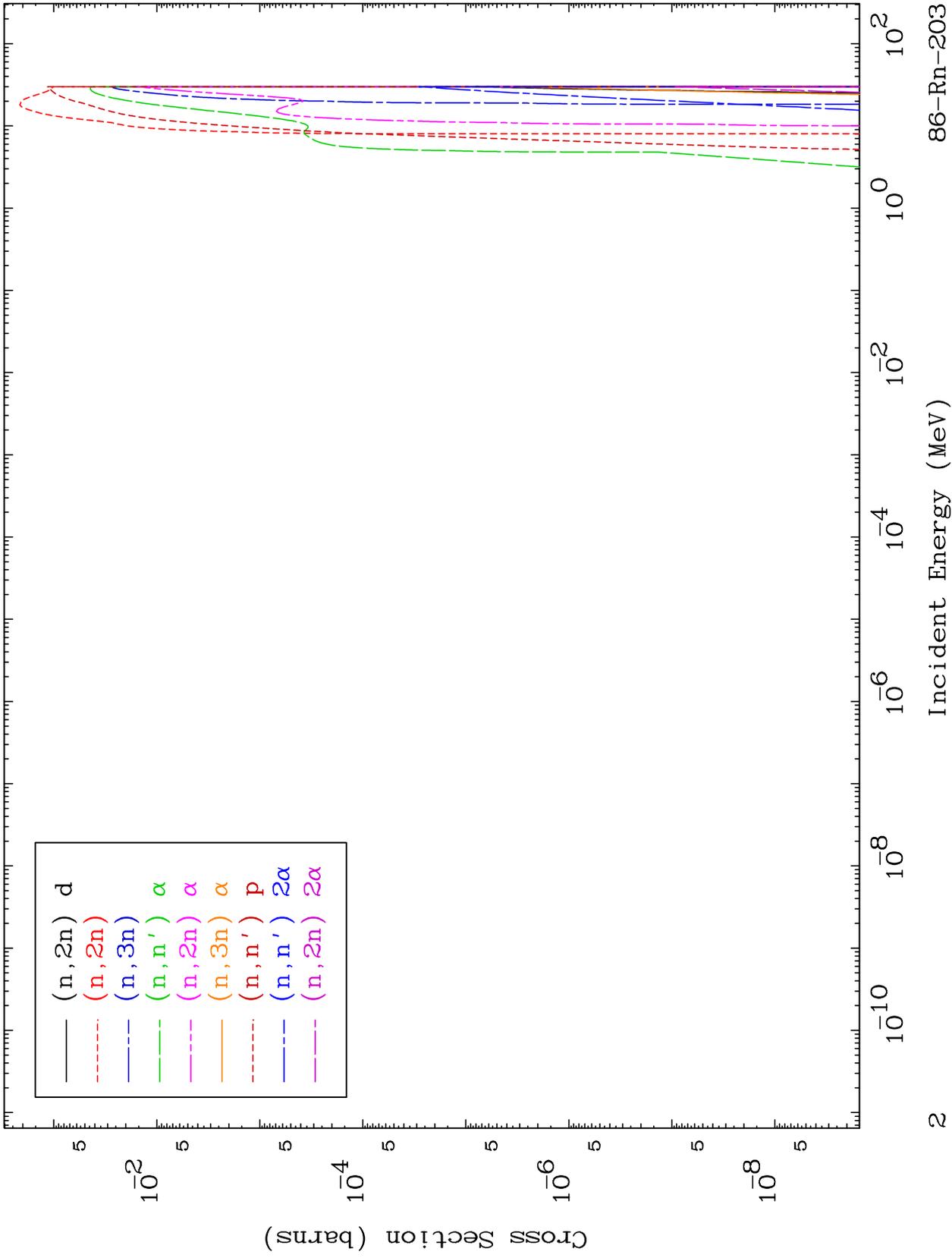
86-Rn-203



MAT 8601

Neutron Absorption  
293 Kelvin Cross Sections

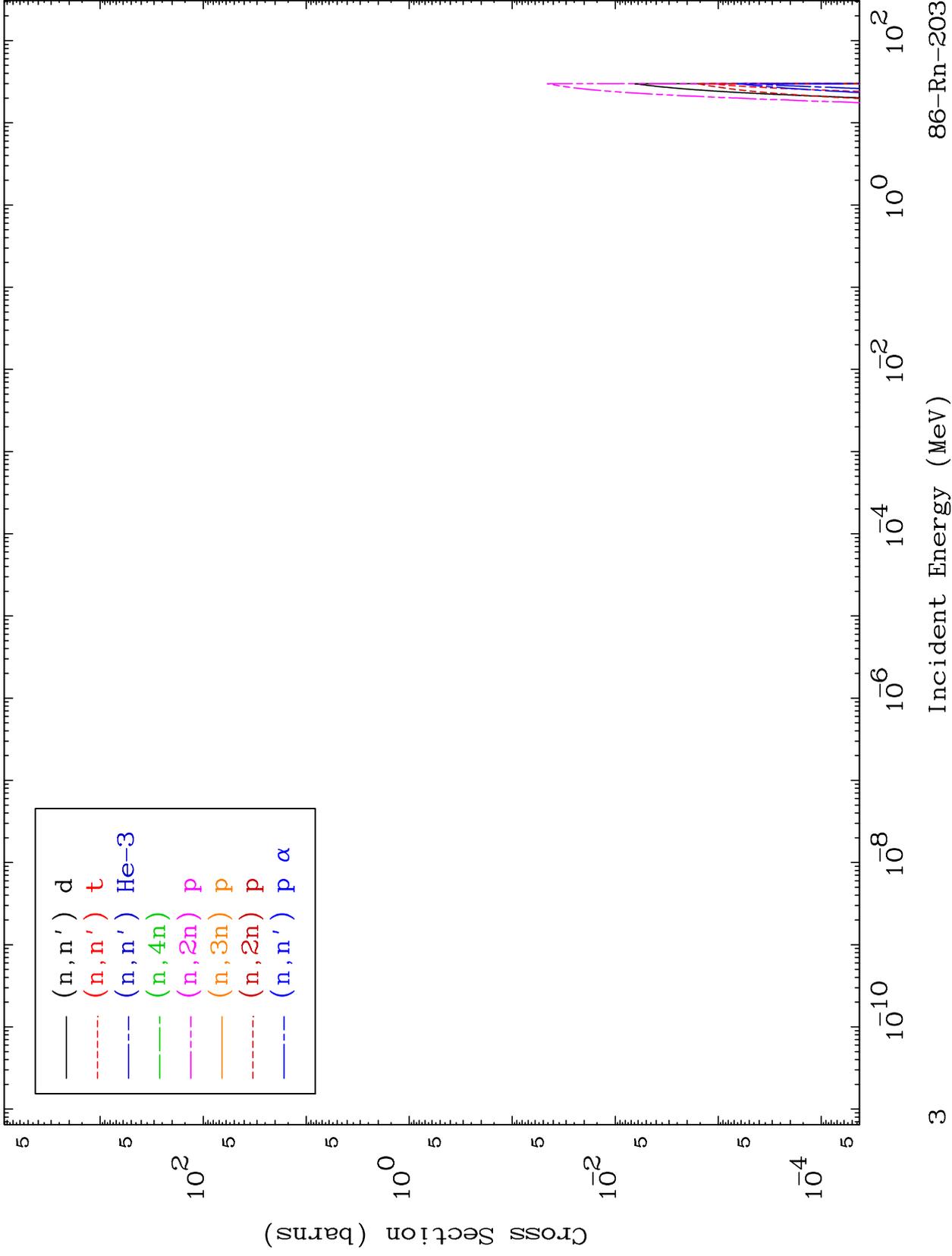
86-Rn-203



MAT 8601

Neutron Absorption  
293 Kelvin Cross Sections

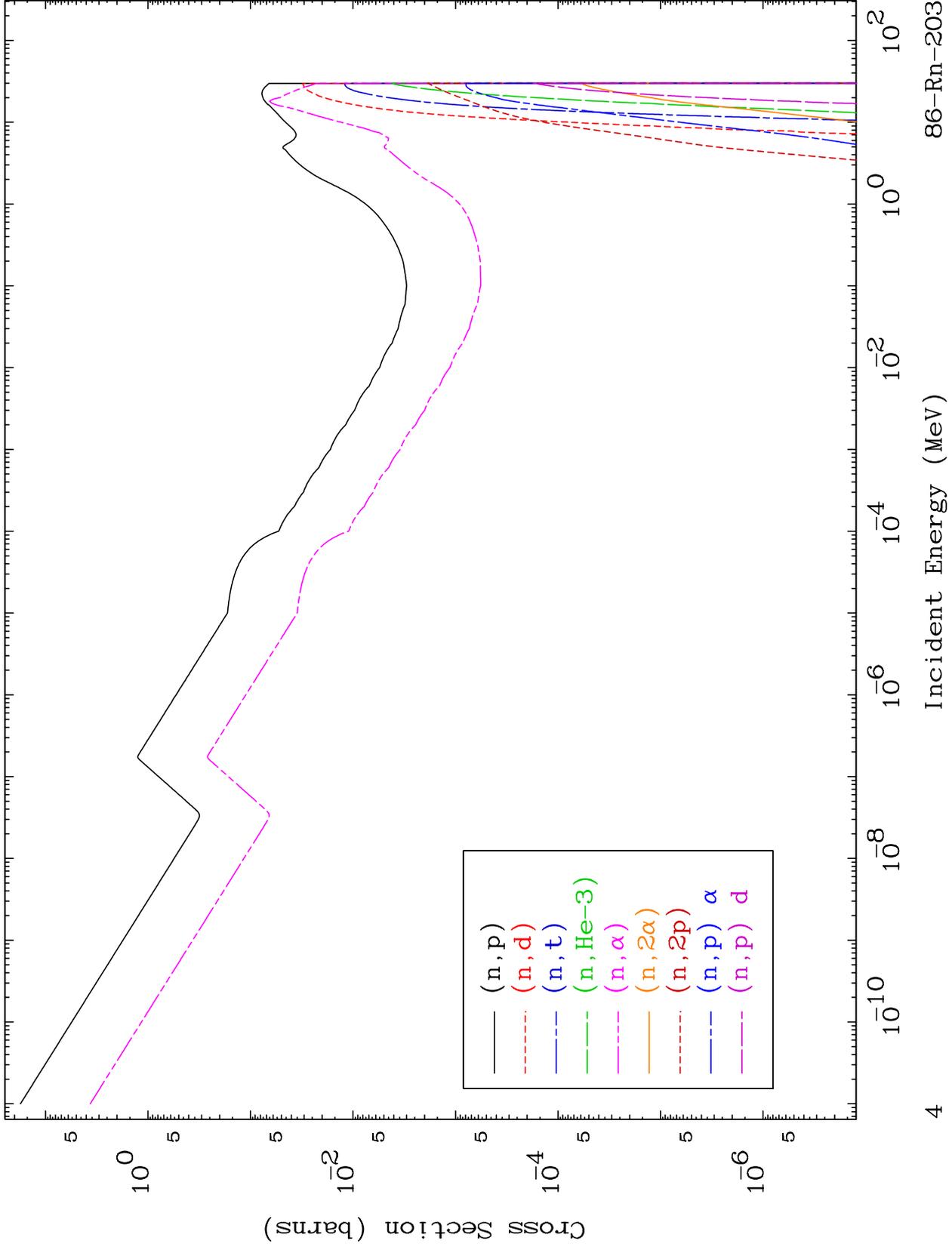
86-Rn-203



MAT 8601

Neutron Absorption  
293 Kelvin Cross Sections

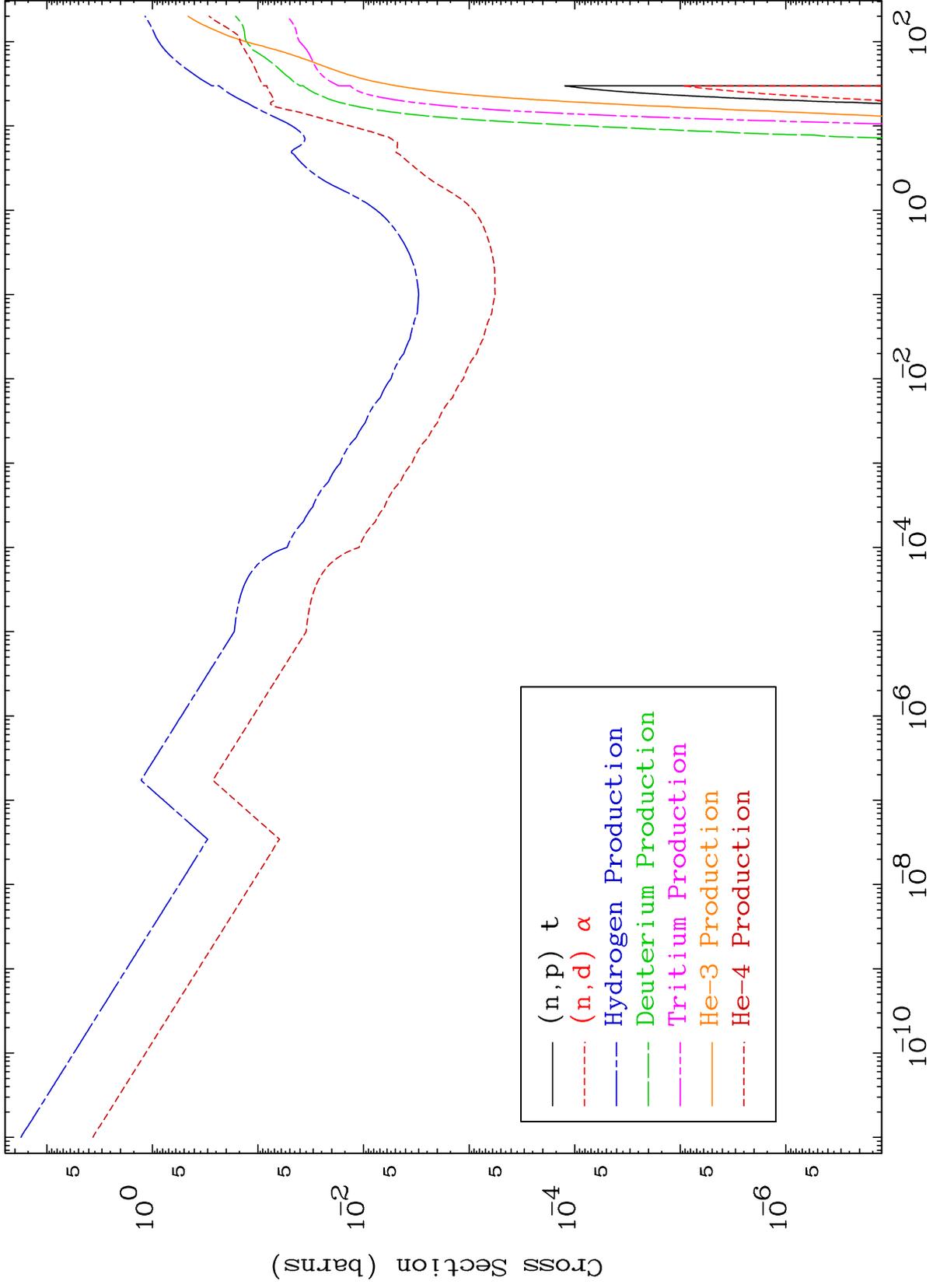
86-Rn-203



MAT 8601

Neutron Absorption  
293 Kelvin Cross Sections

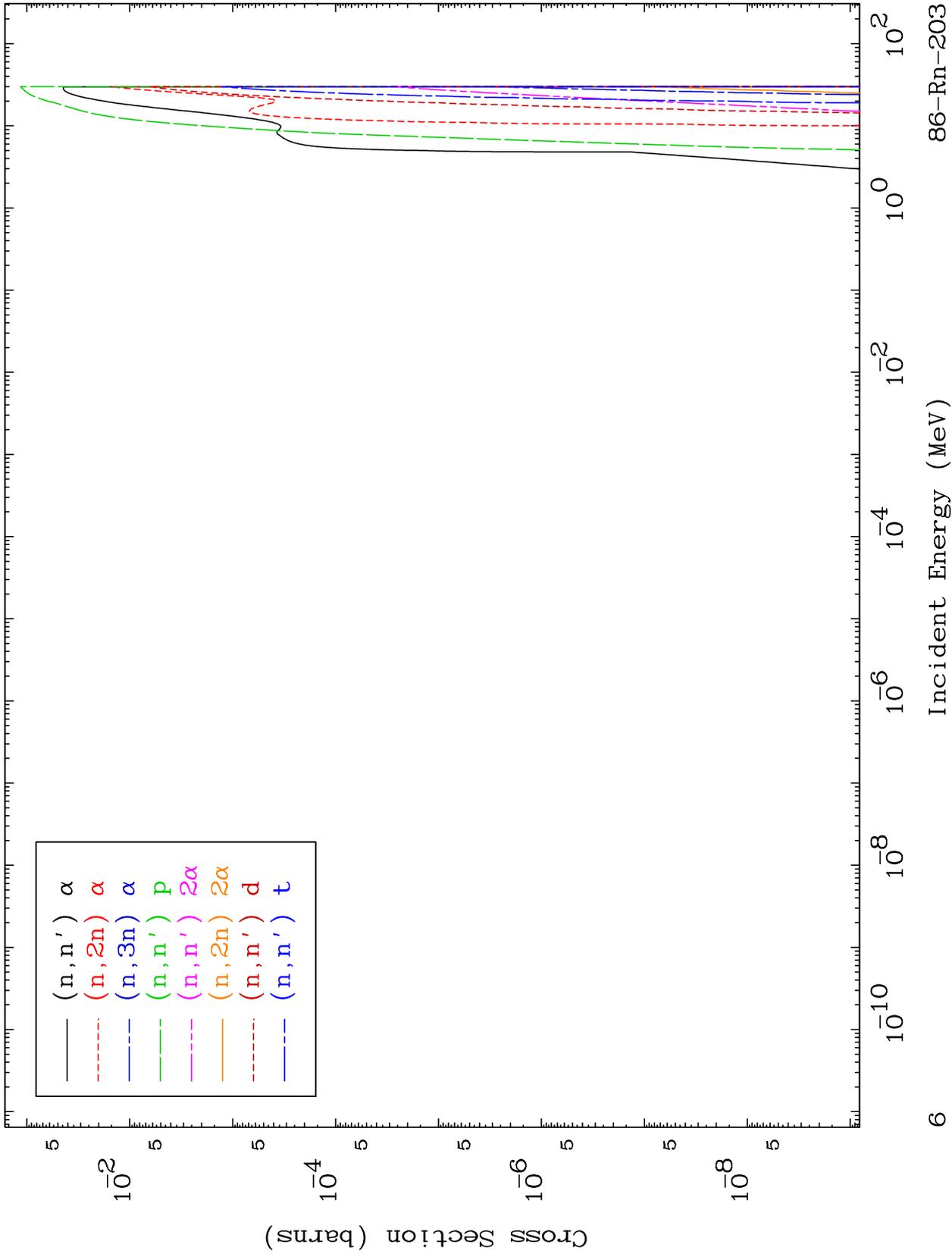
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MAT 8601

Charged Particle  
293 Kelvin Cross Sections

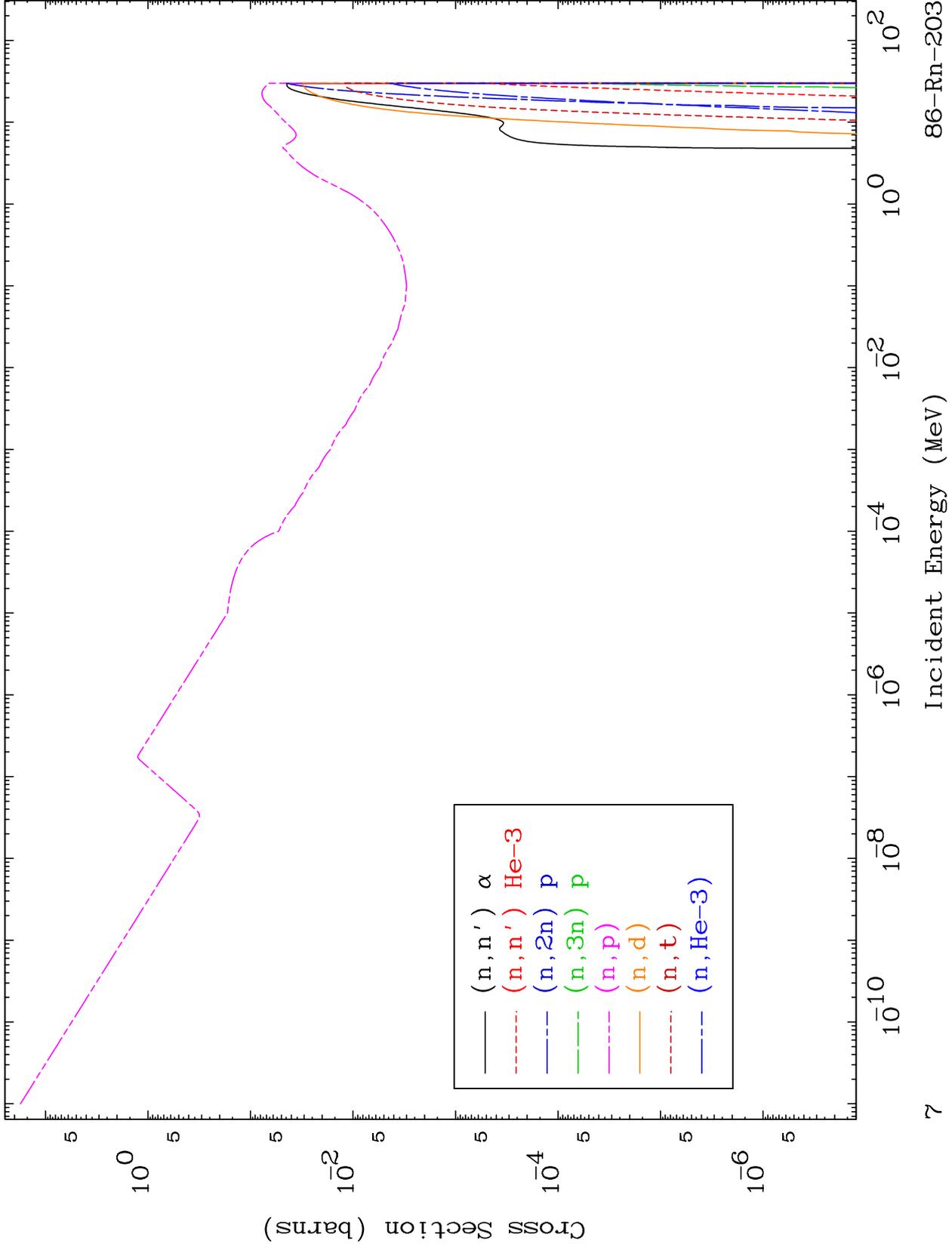
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MAT 8601

Charged Particle  
293 Kelvin Cross Sections

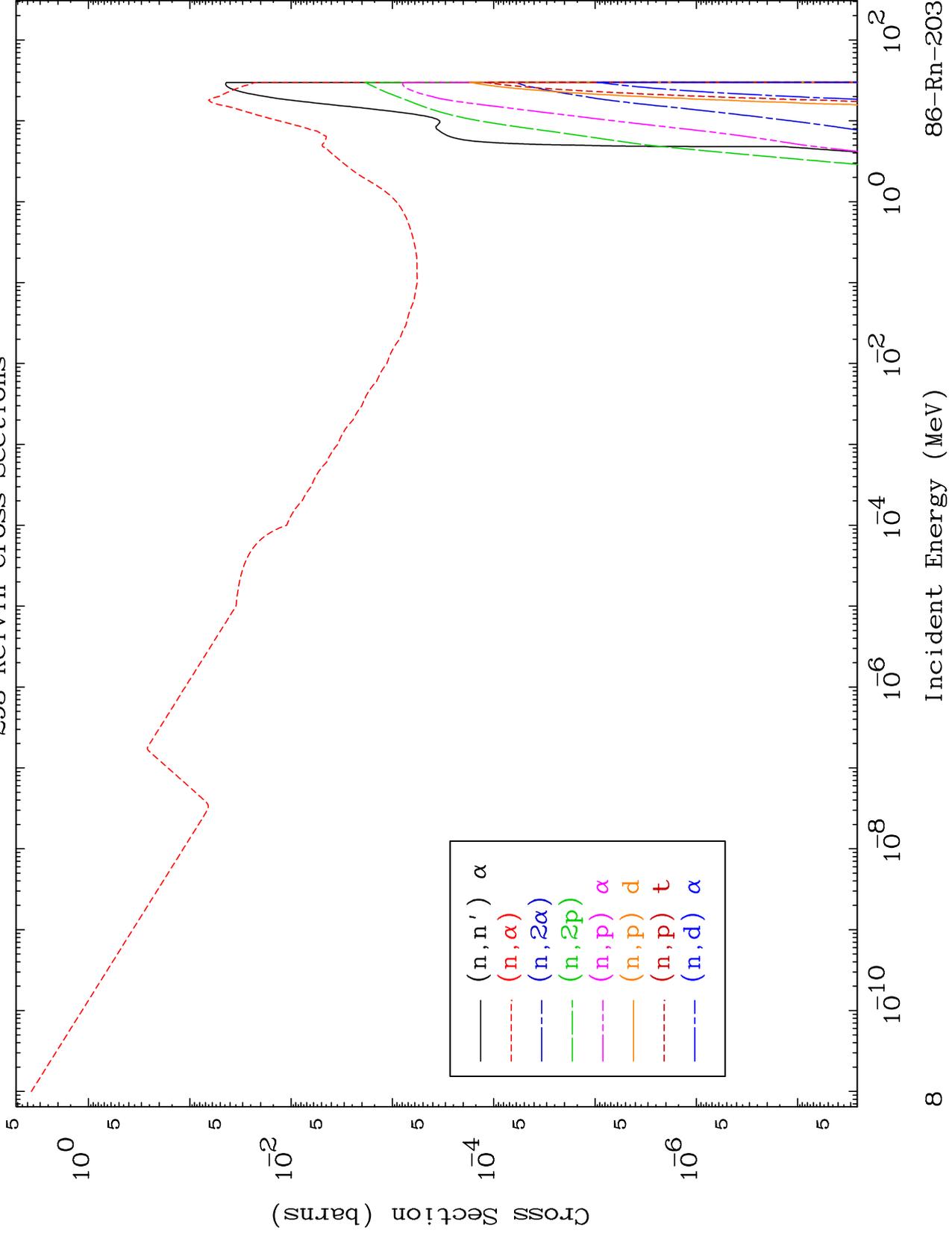
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MAT 8601

Charged Particle  
293 Kelvin Cross Sections

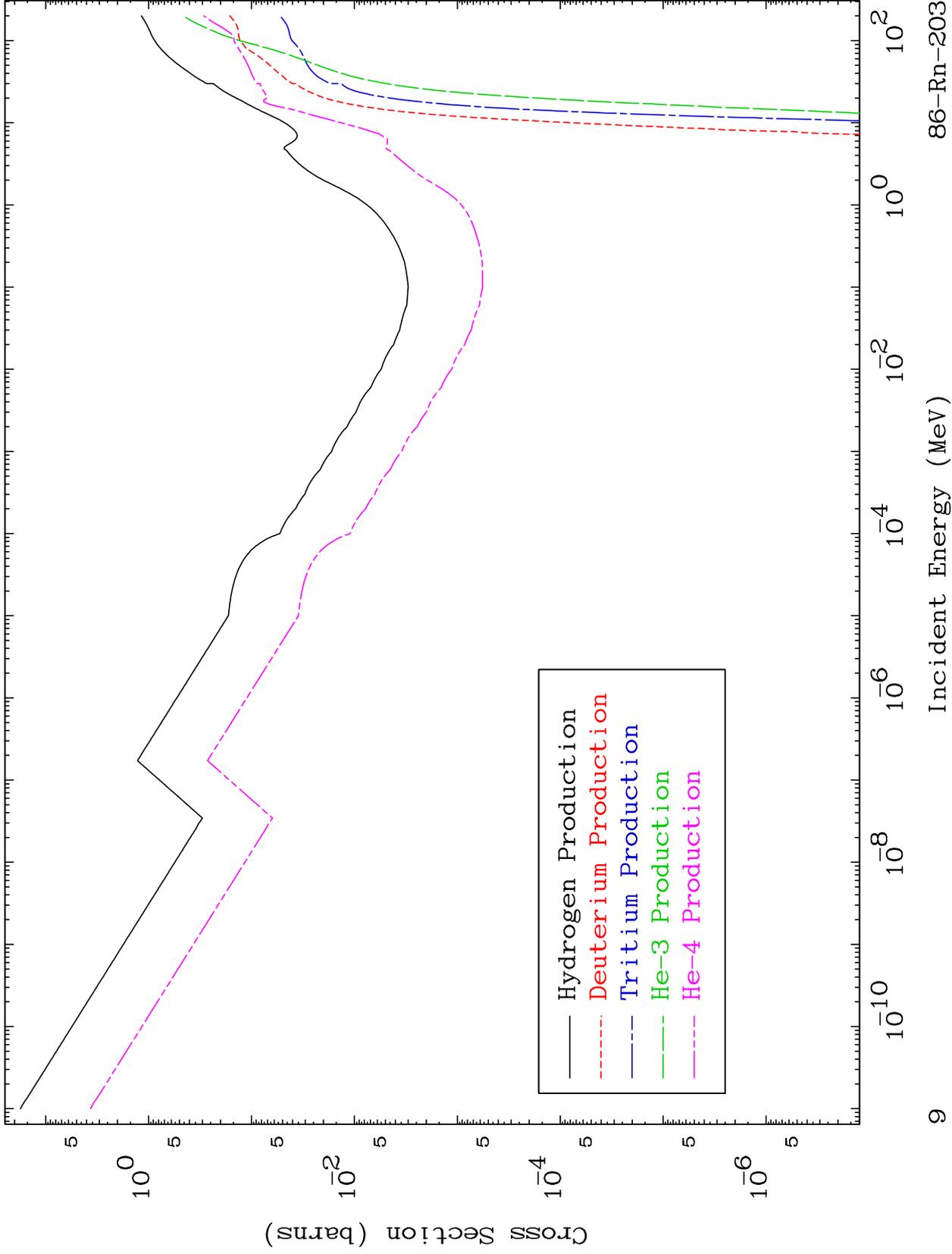
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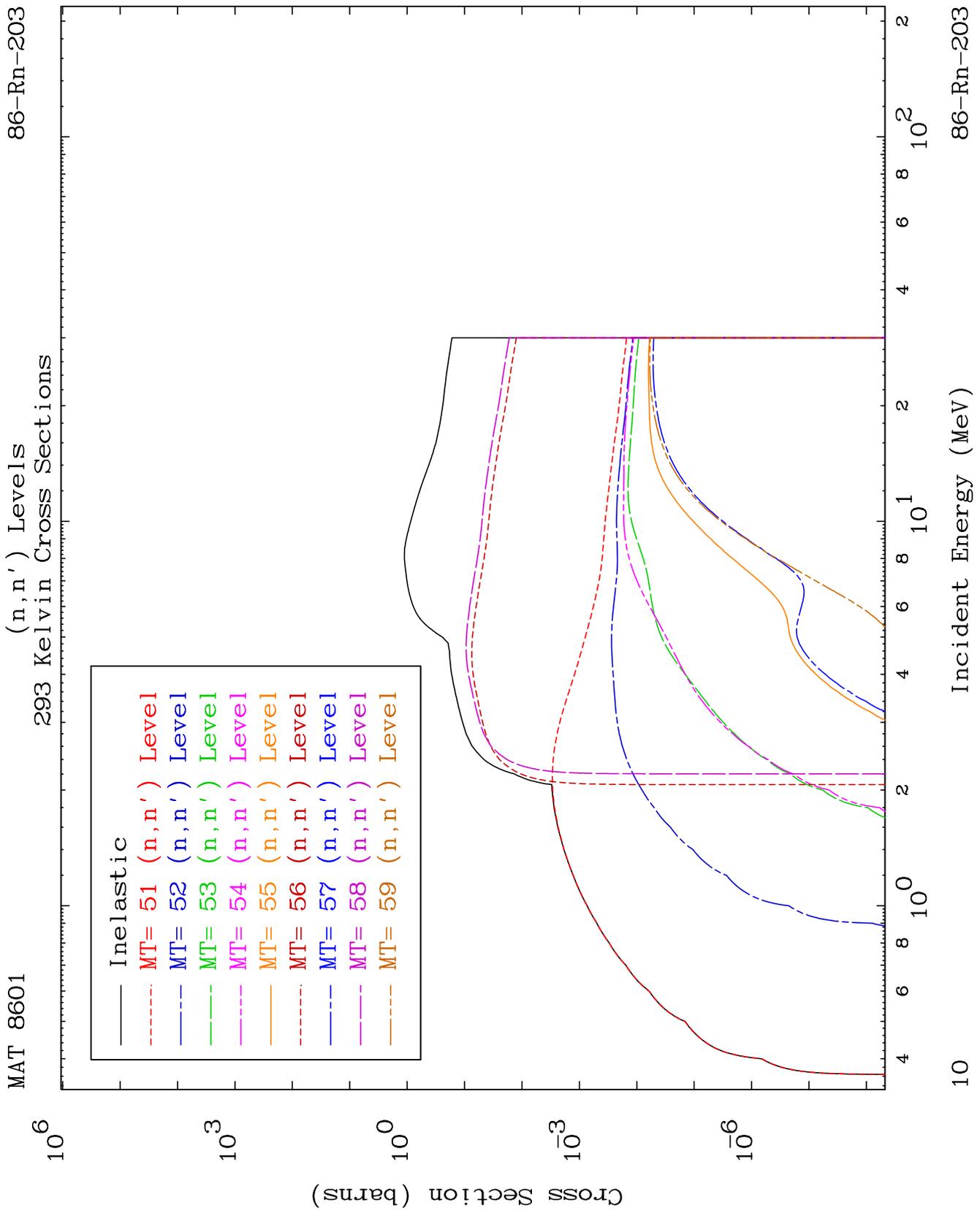


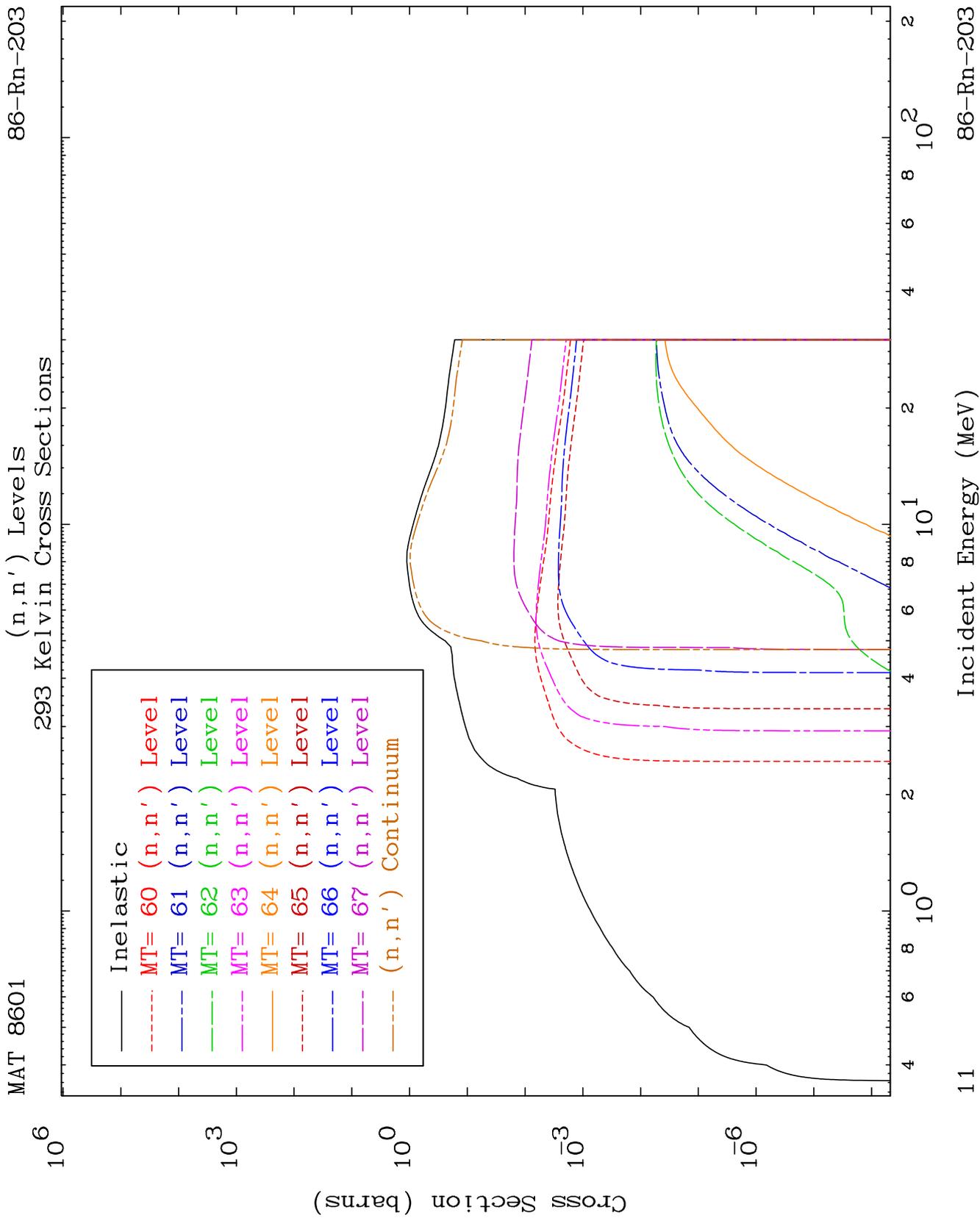
MAT 8601

Particle Production  
293 Kelvin Cross Sections

86-Rn-203



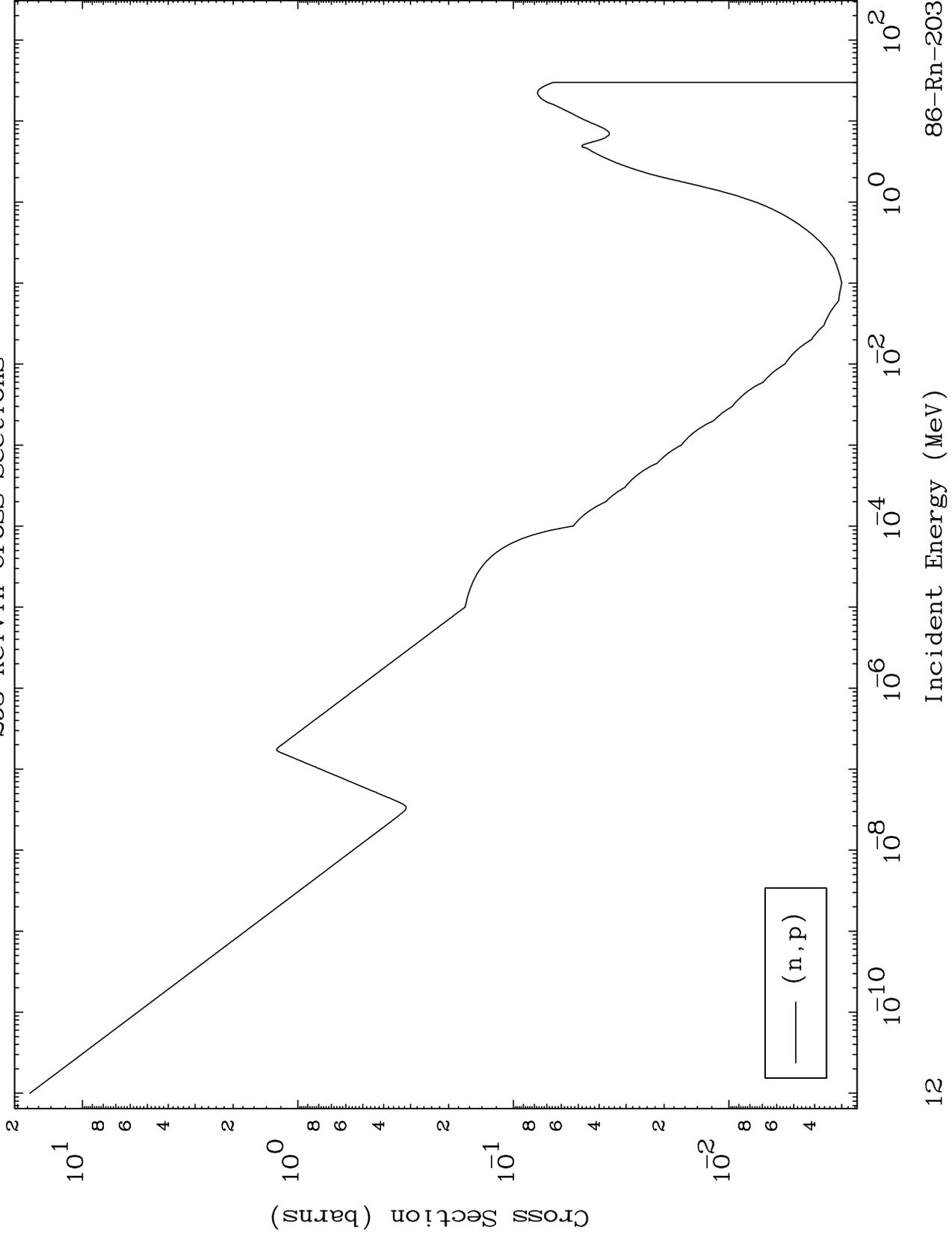




MAT 8601

(n,p) Levels  
293 Kelvin Cross Sections

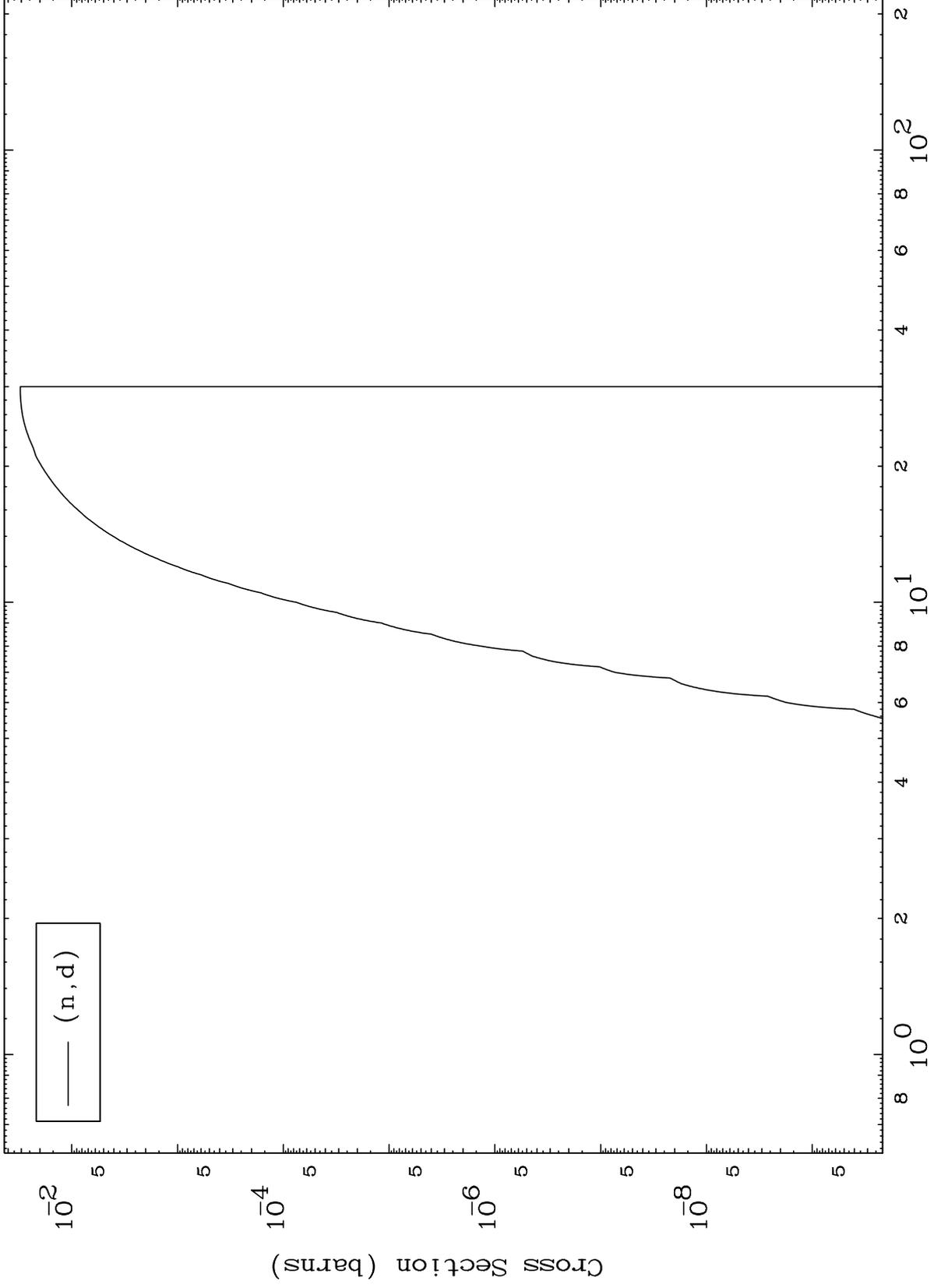
86-Rn-203



MAT 8601

(n,d) Levels  
293 Kelvin Cross Sections

86-Rn-203



— (n,d)

13

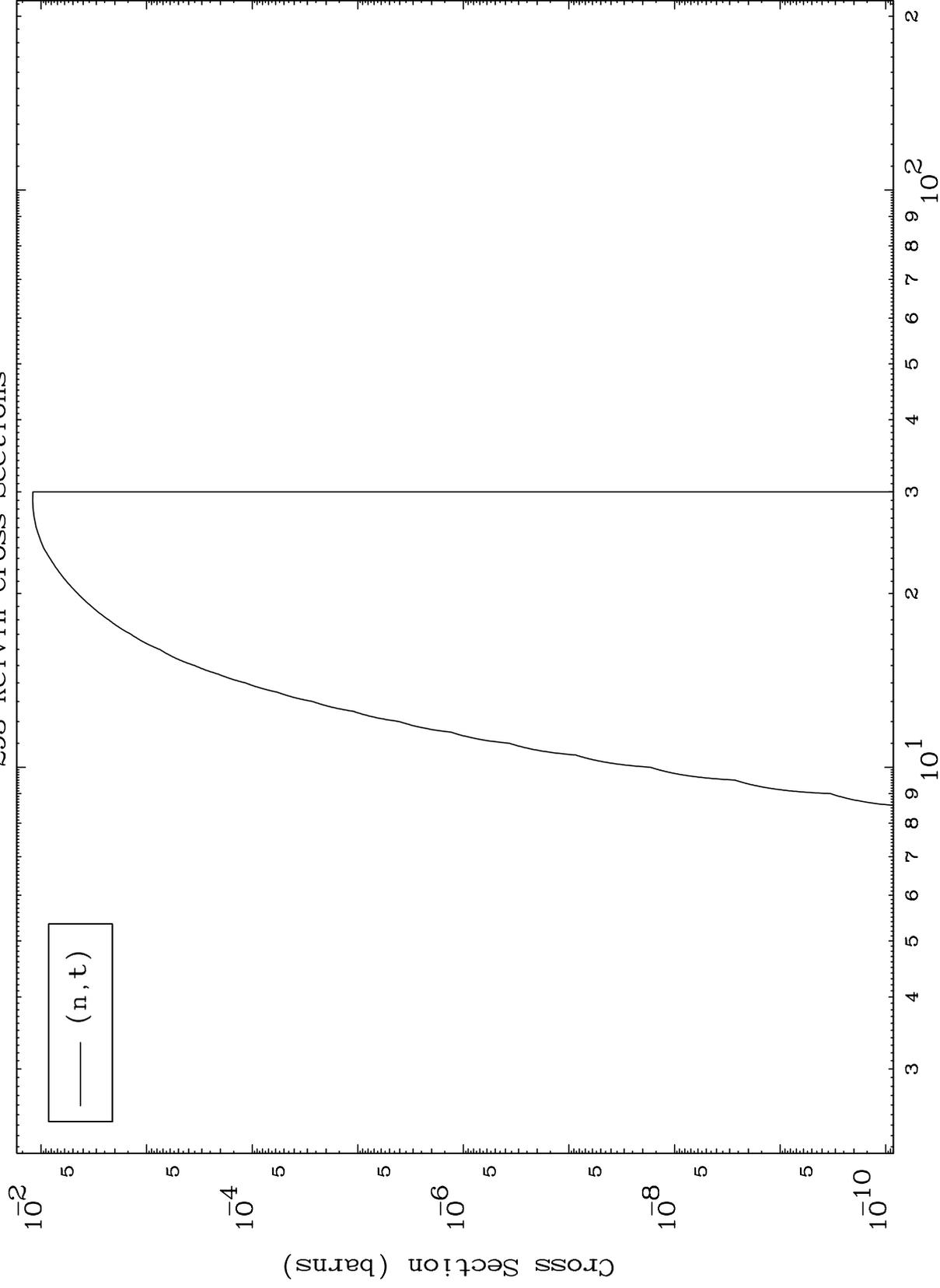
Incident Energy (MeV)

86-Rn-203

MAT 8601

86-Rn-203

(n,t) Levels  
293 Kelvin Cross Sections



14

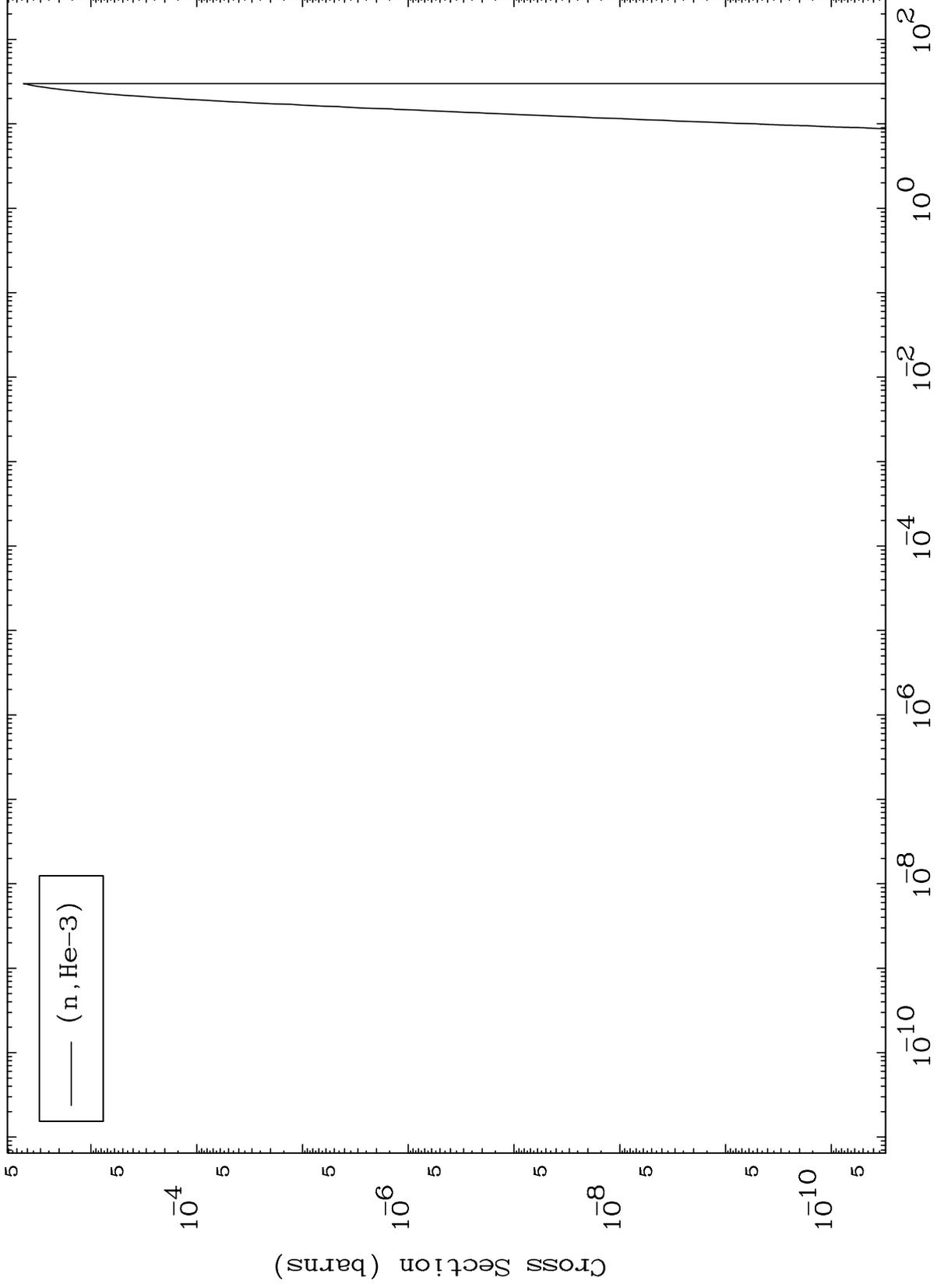
Incident Energy (MeV)

86-Rn-203

MAT 8601

(n,He3) Levels  
293 Kelvin Cross Sections

86-Rn-203



15

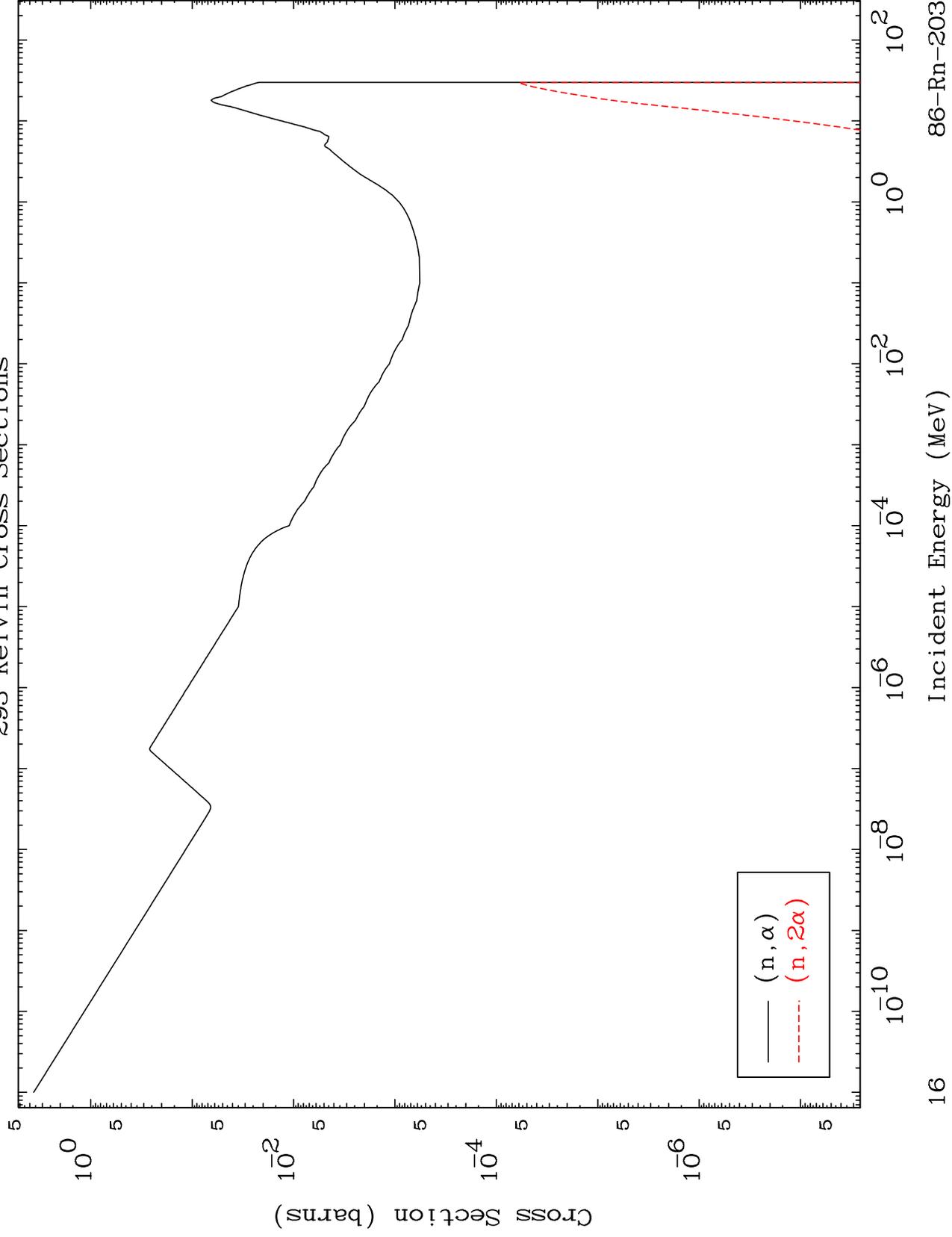
Incident Energy (MeV)

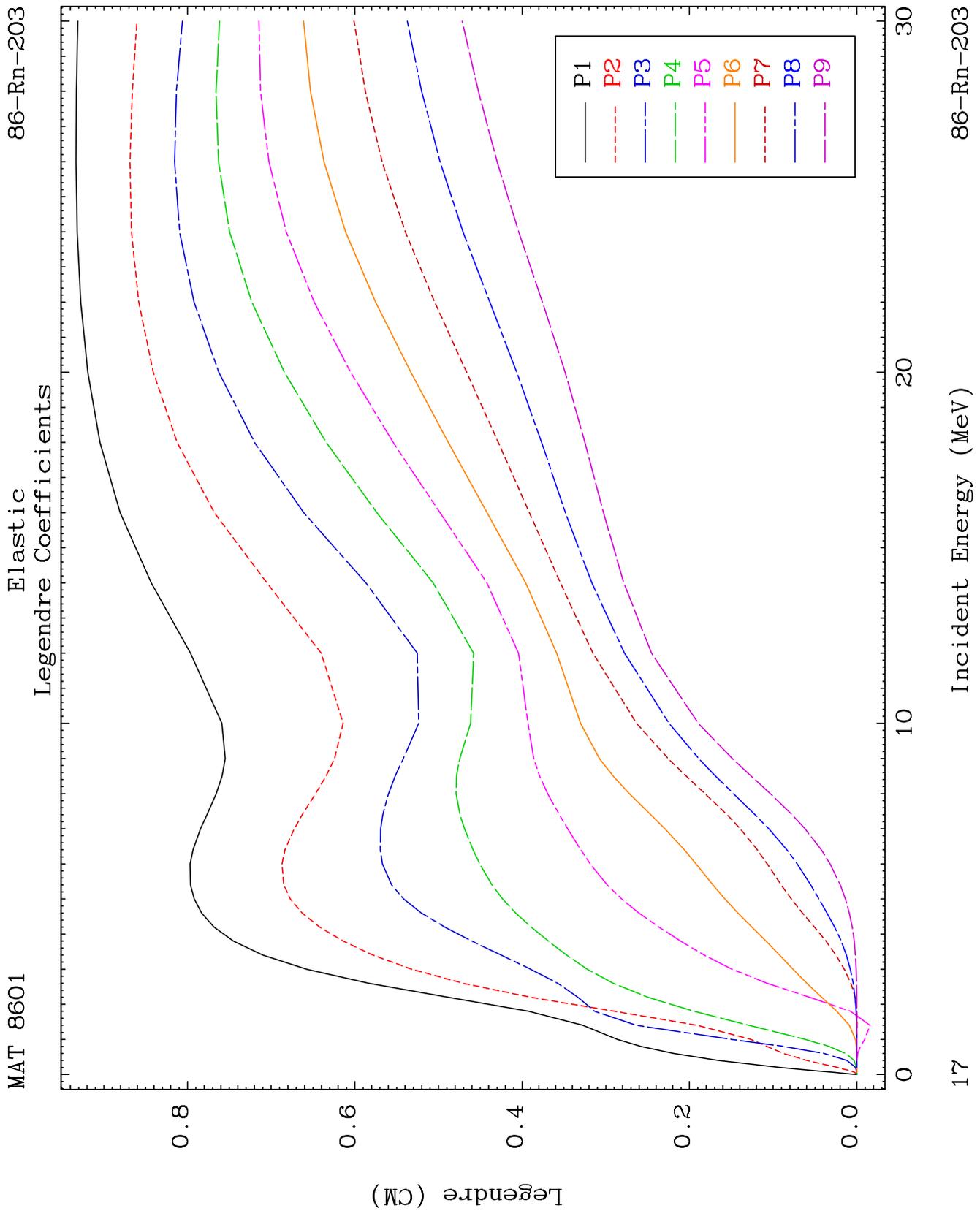
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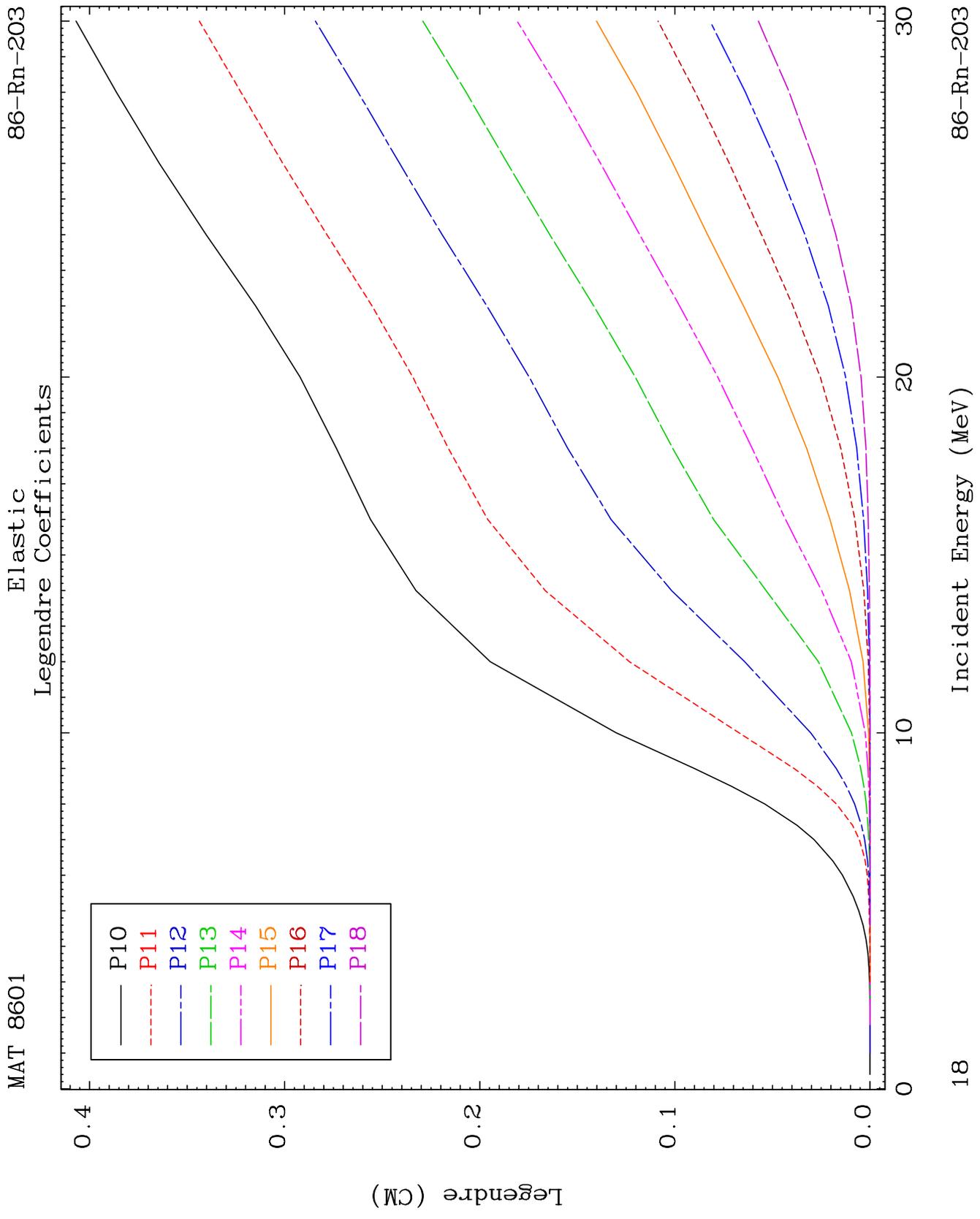
MAT 8601

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

86-Rn-203



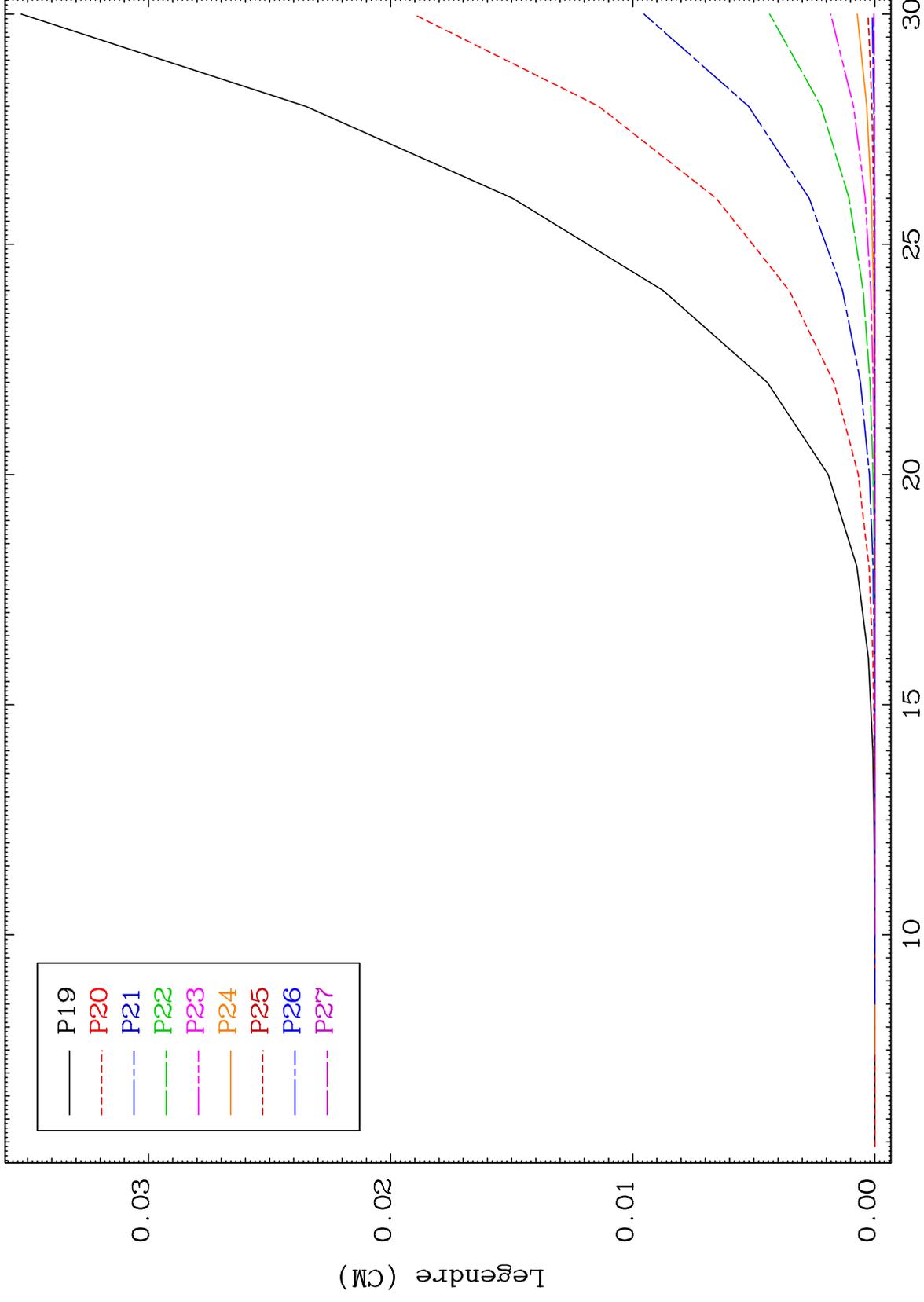




MAT 8601

Elastic  
Legendre Coefficients

86-Rn-203



19

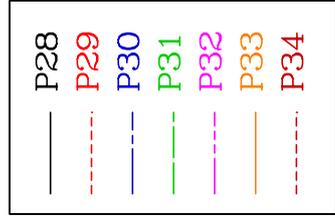
Incident Energy (MeV)

86-Rn-203

MAT 8601

Elastic Legendre Coefficients

86-Rn-203



$\times 10^{-5}$   
1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

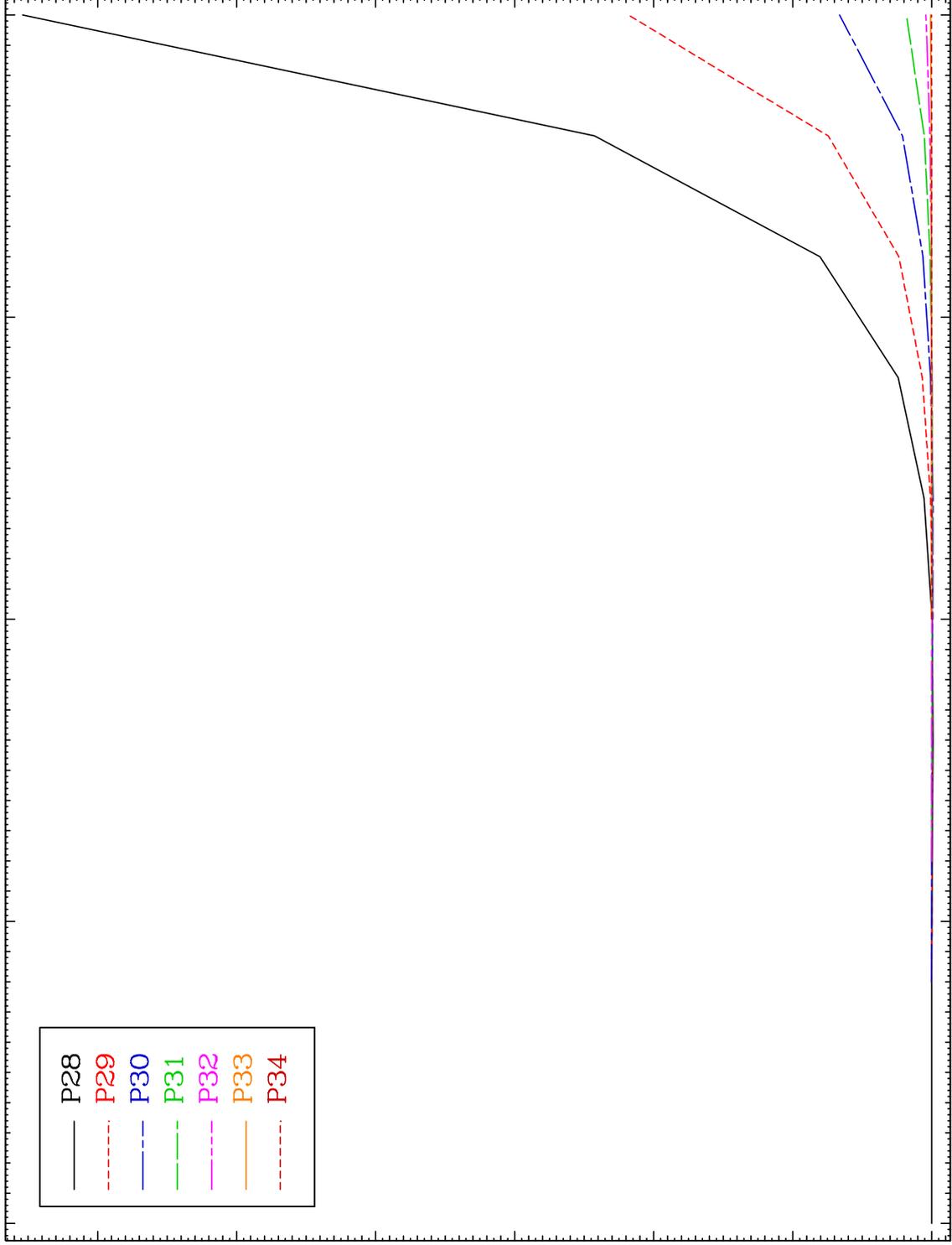
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30

20

Incident Energy (MeV)

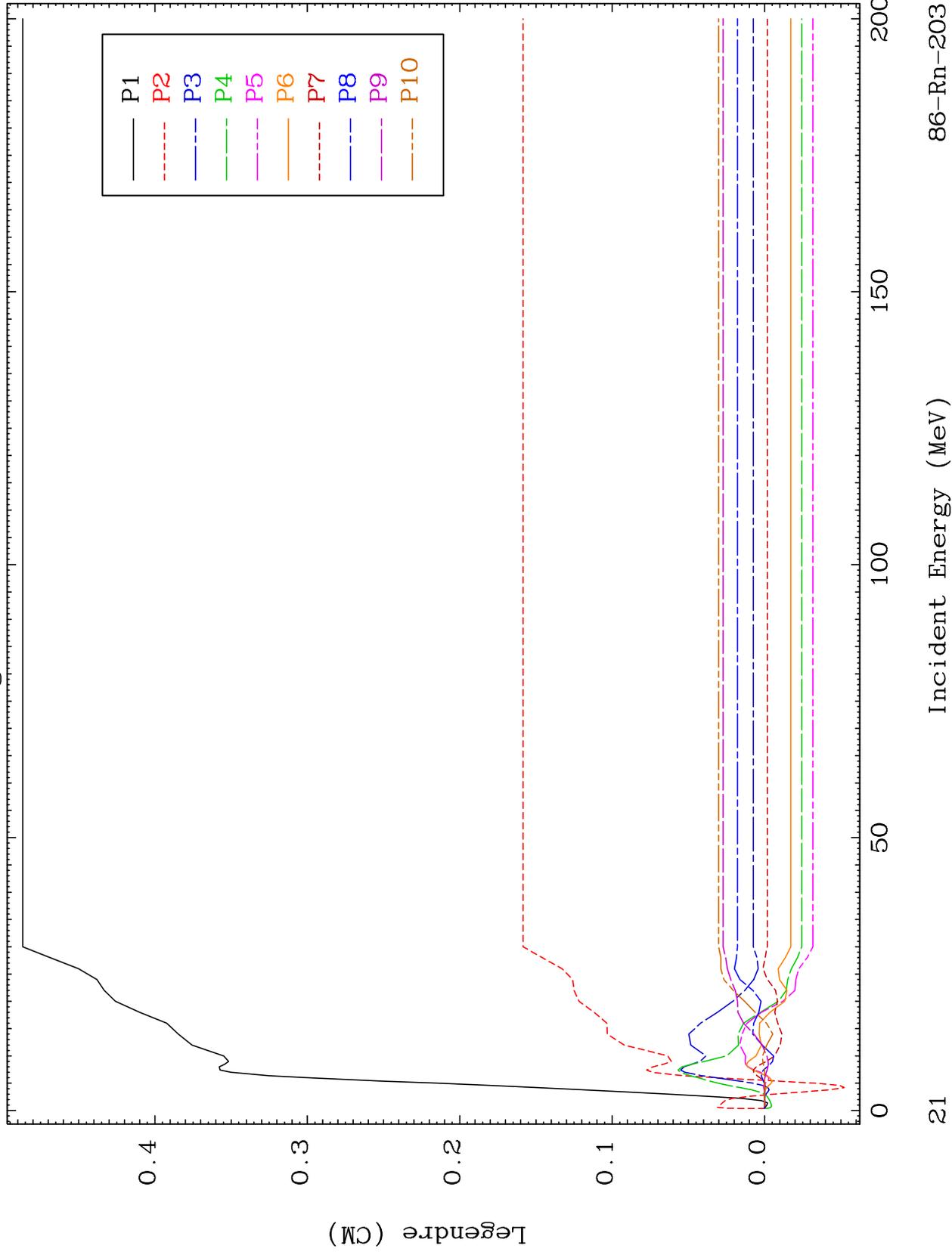
86-Rn-203



MAT 8601

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

86-Rn-203



86-Rn-203

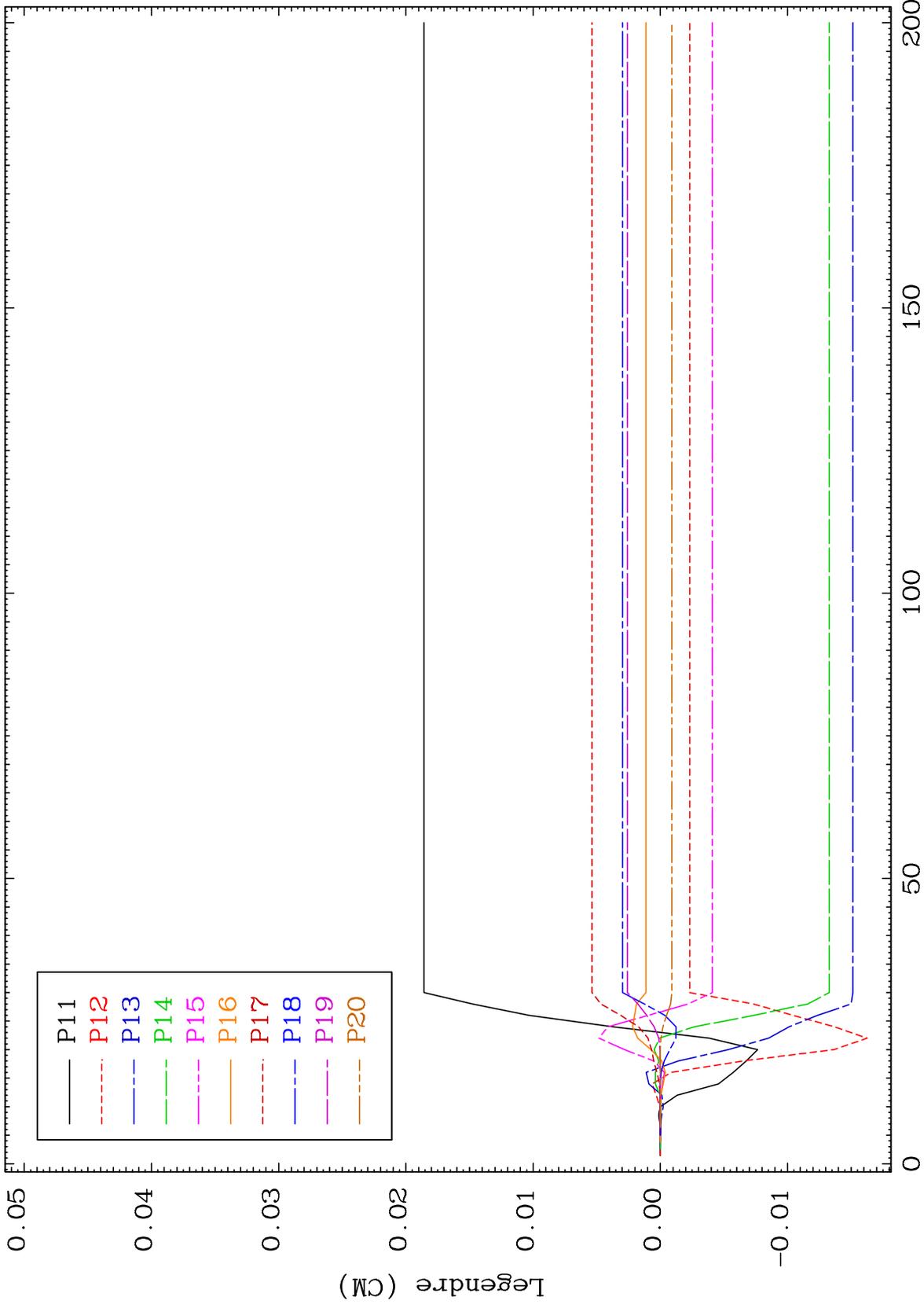
Incident Energy (MeV)

21

MAT 8601

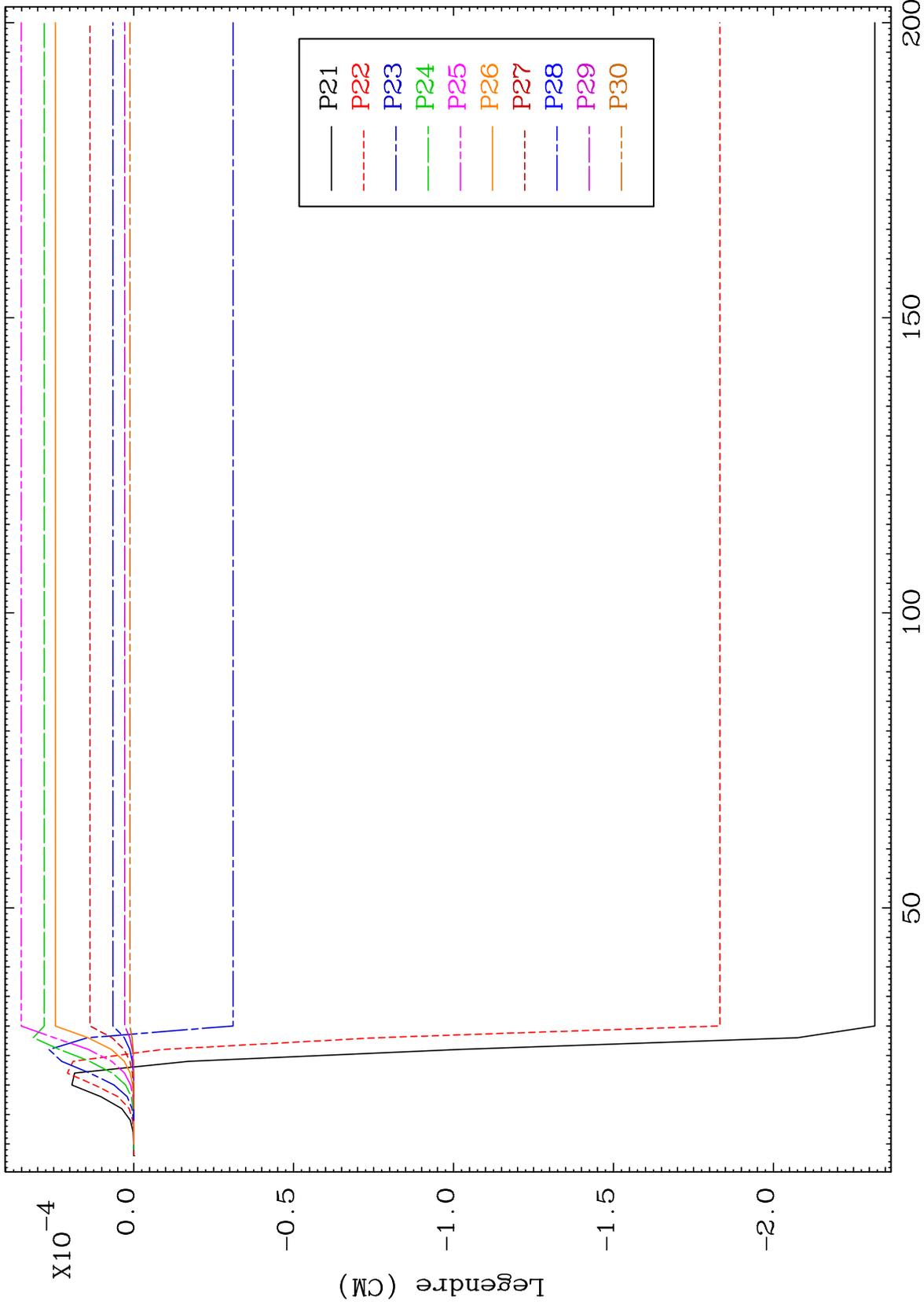
MT= 51 (n,n') Level  
Legendre Coefficients

86-Rn-203



22

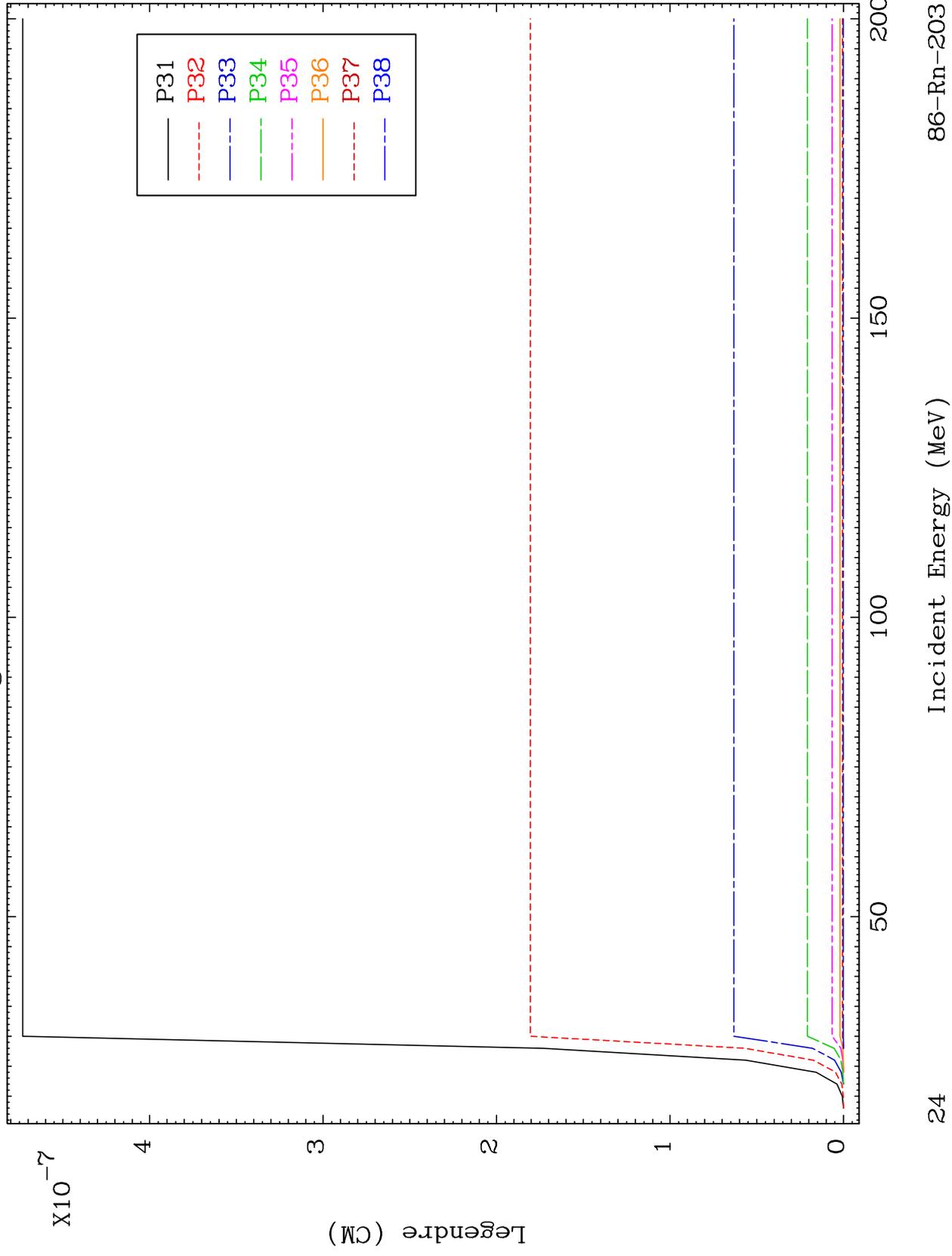
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MAT 8601

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

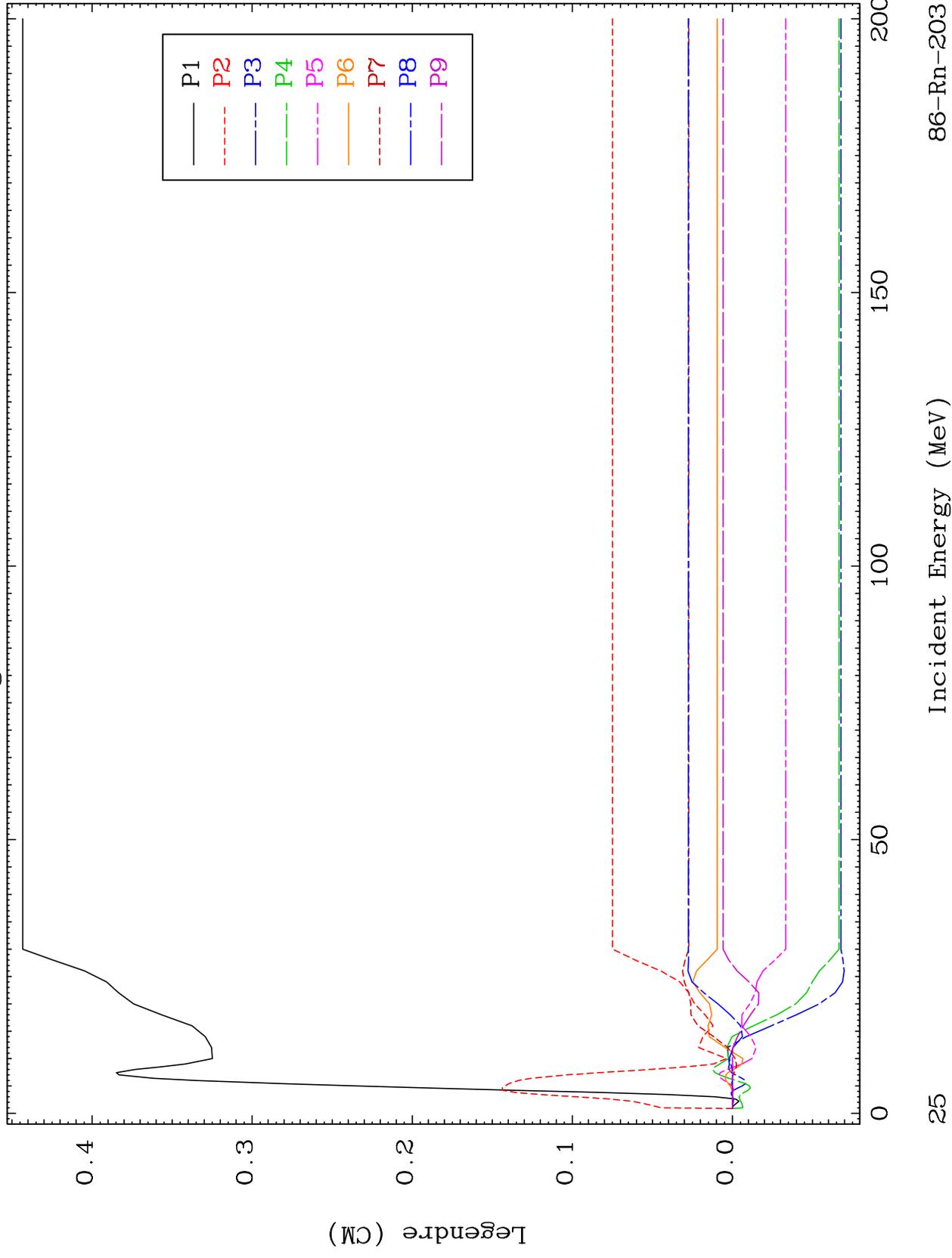
86-Rn-203



MAT 8601

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

86-Rn-203



86-Rn-203

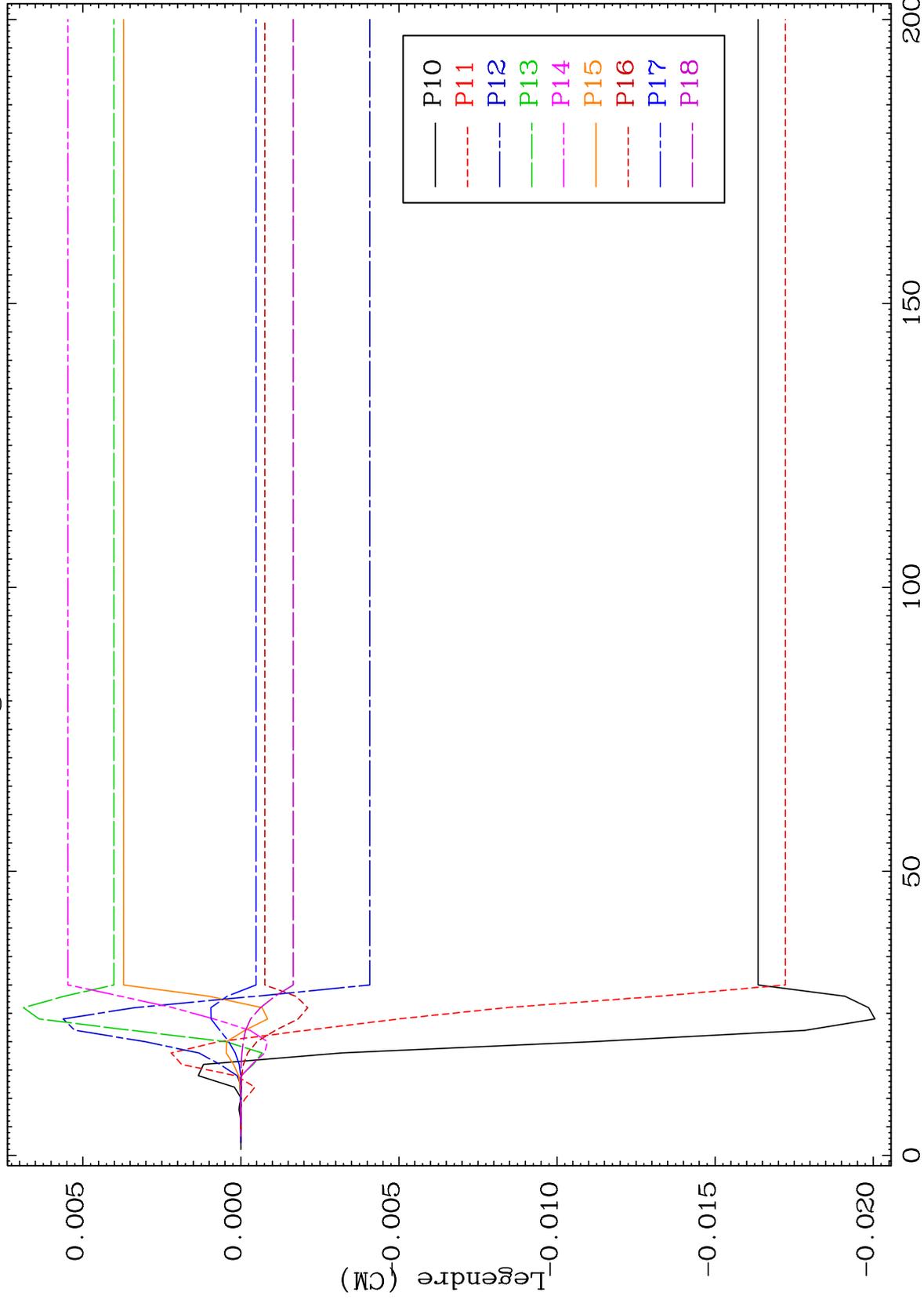
Incident Energy (MeV)

25

MAT 8601

86-Rn-203

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



26

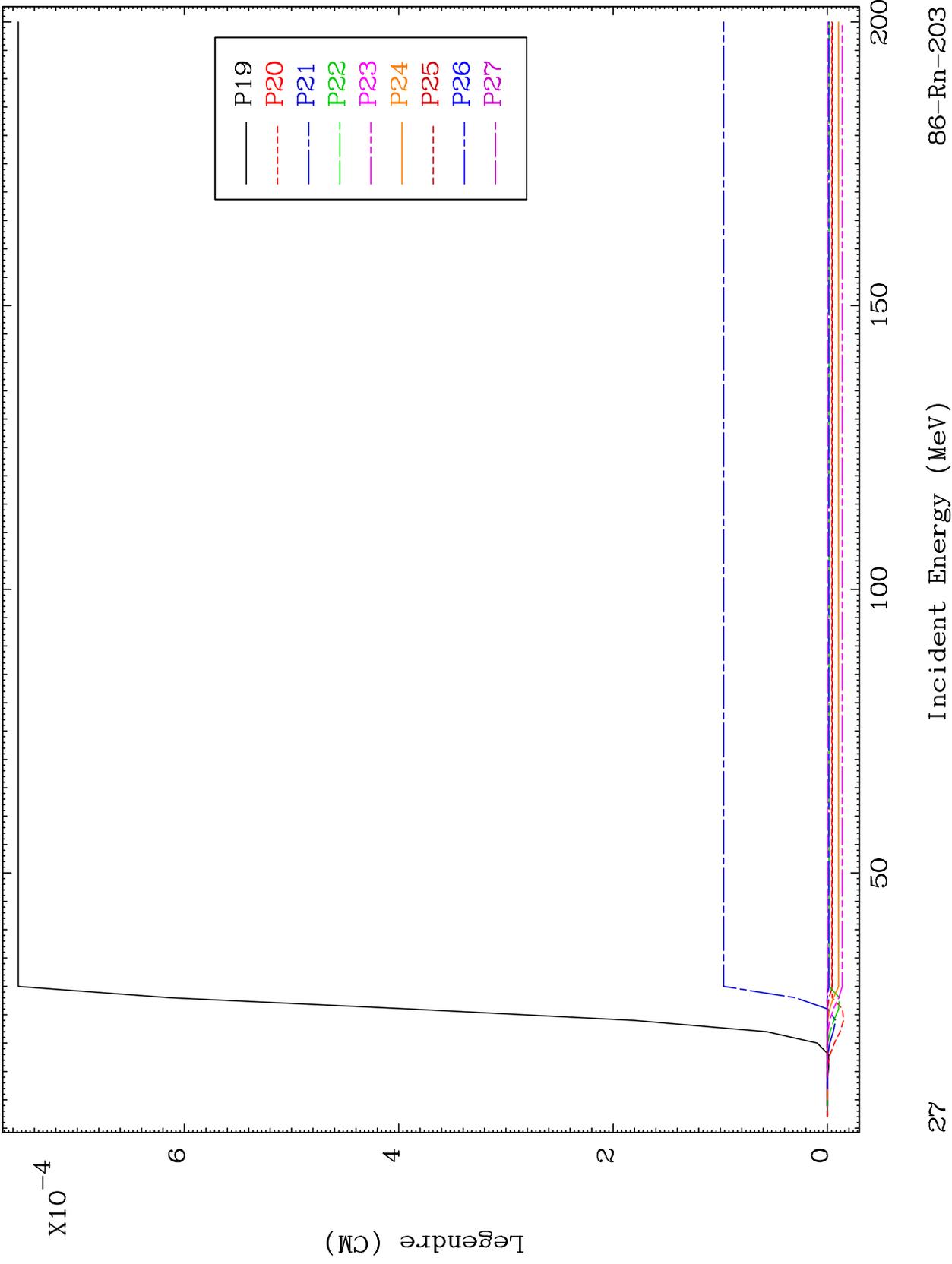
Incident Energy (MeV)

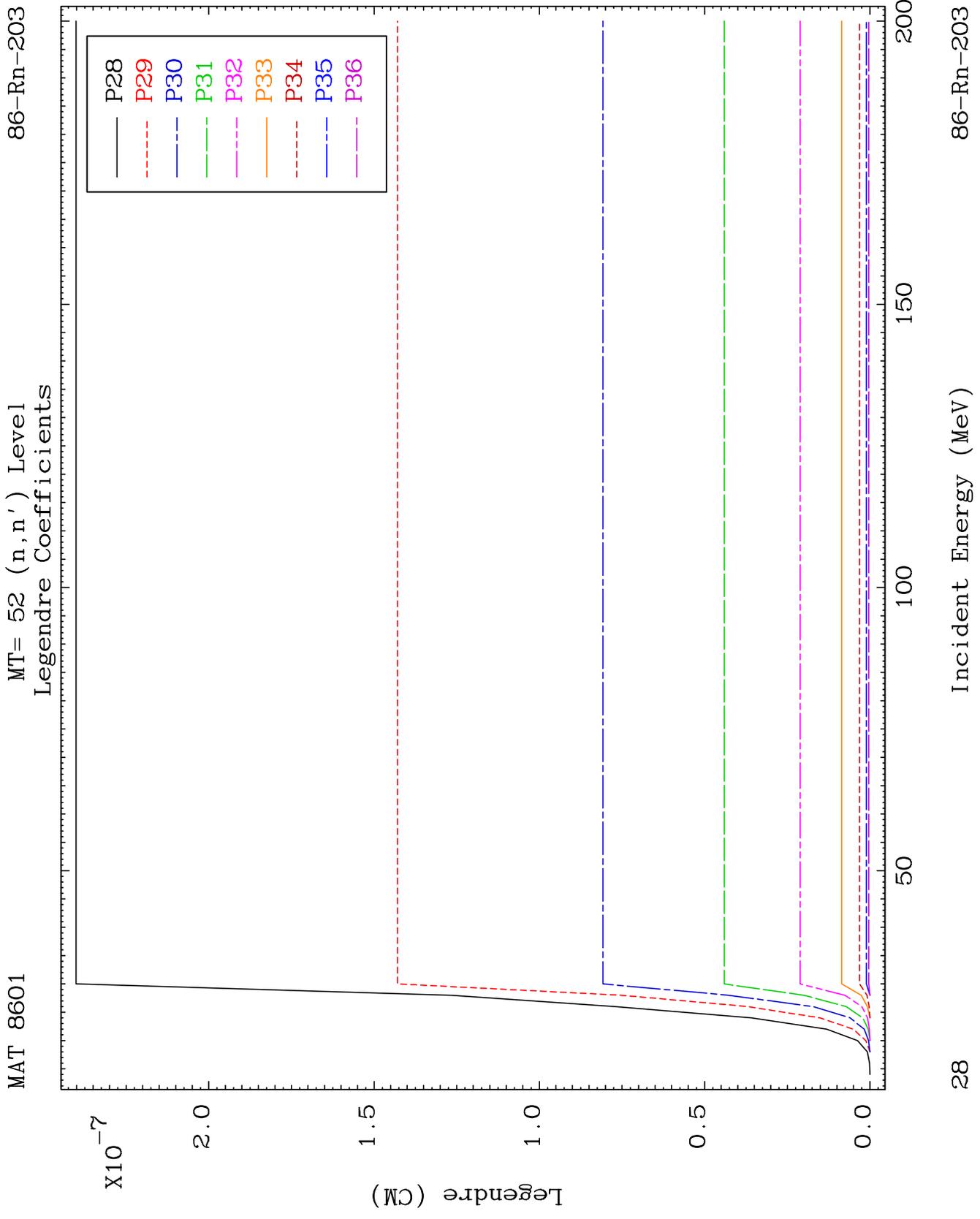
86-Rn-203

MAT 8601

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

86-Rn-203

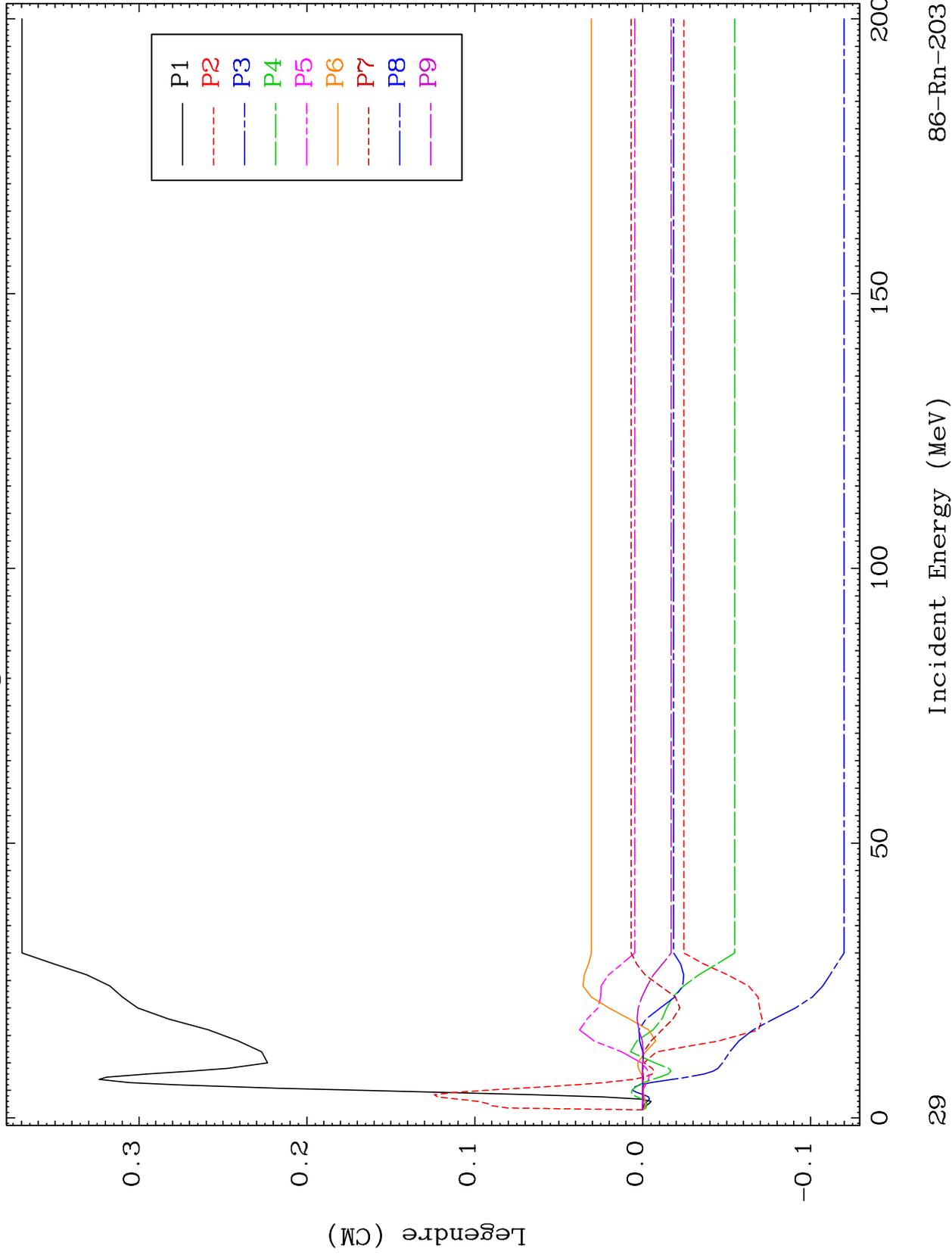




MAT 8601

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

86-Rn-203



86-Rn-203

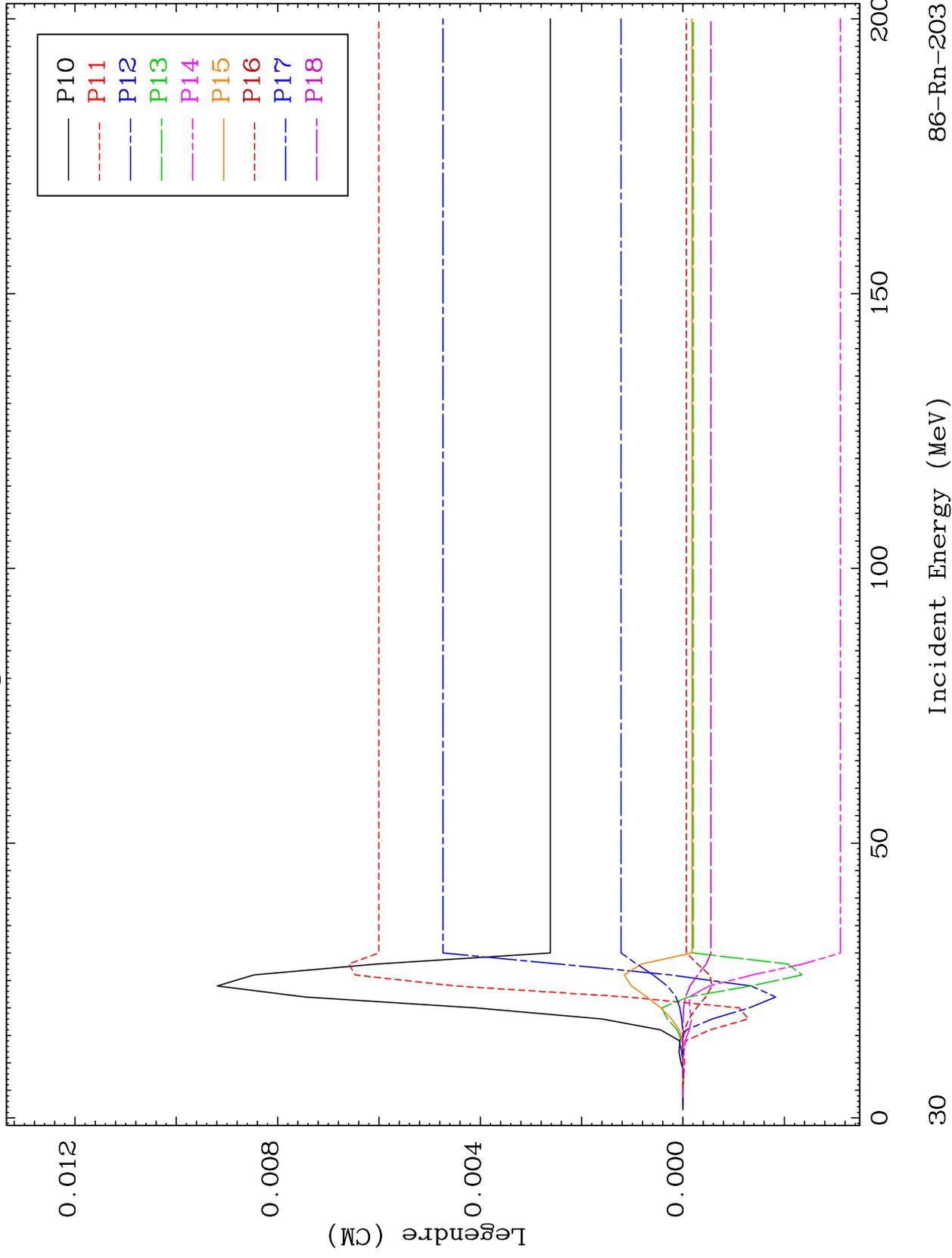
Incident Energy (MeV)

29

MAT 8601

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

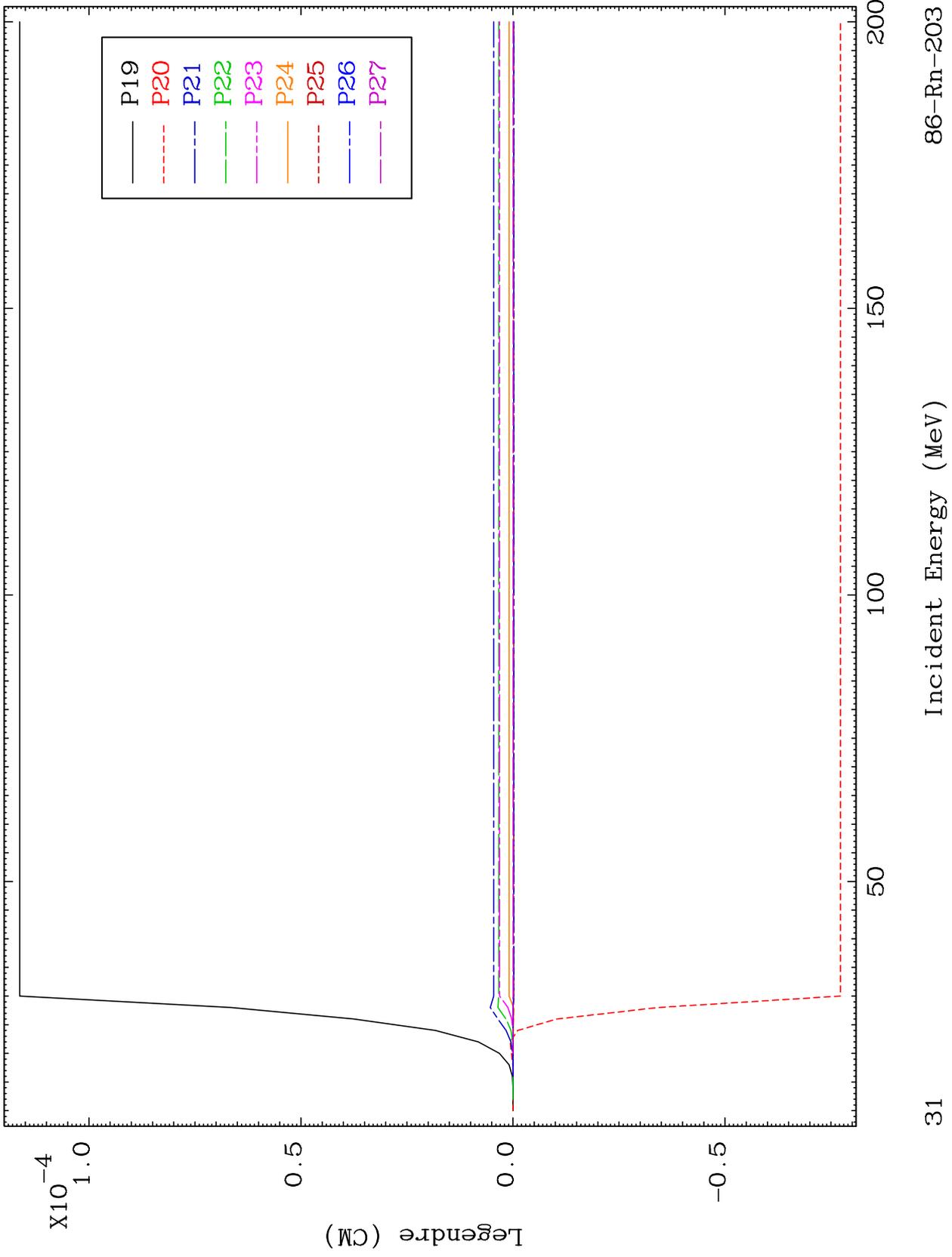
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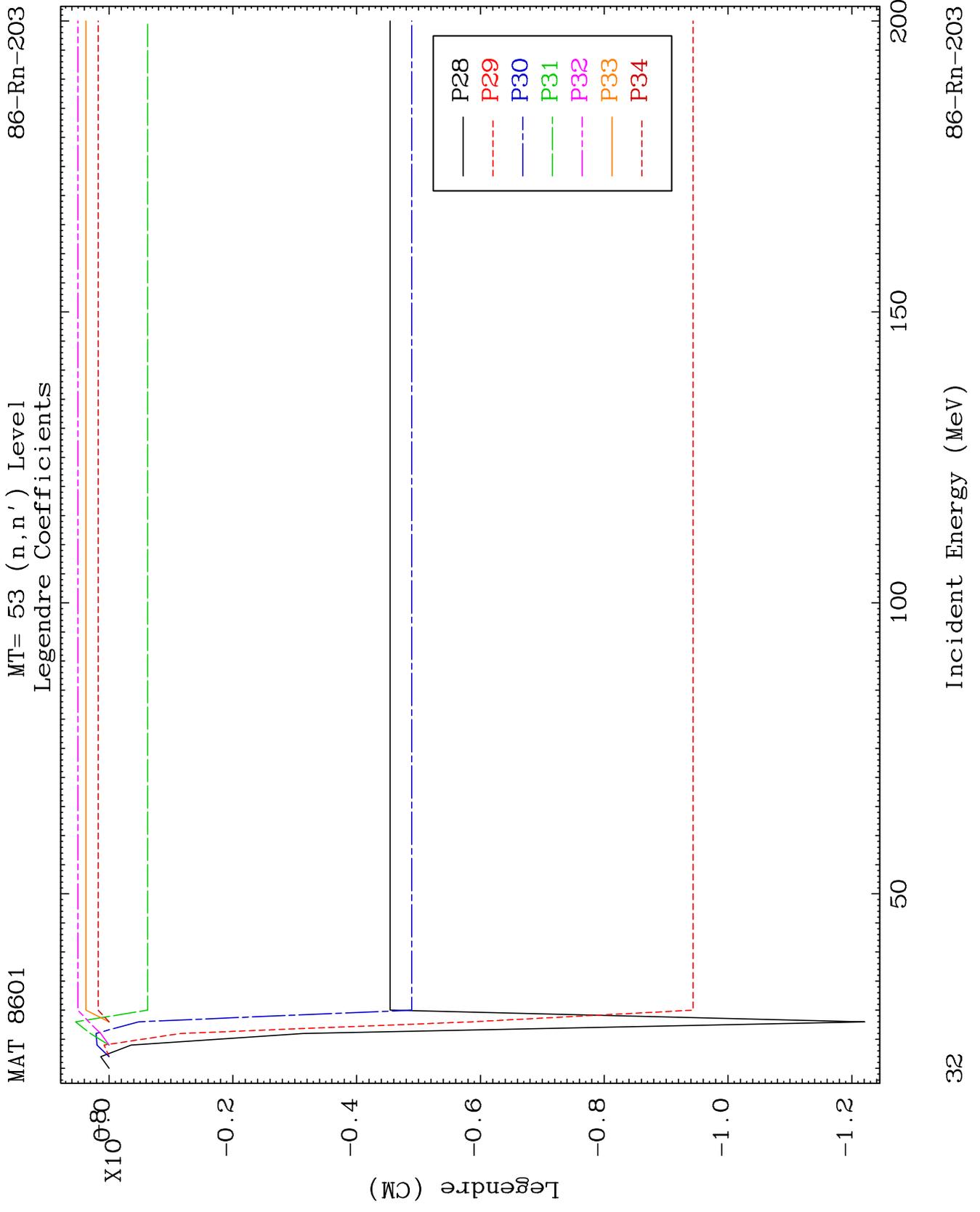


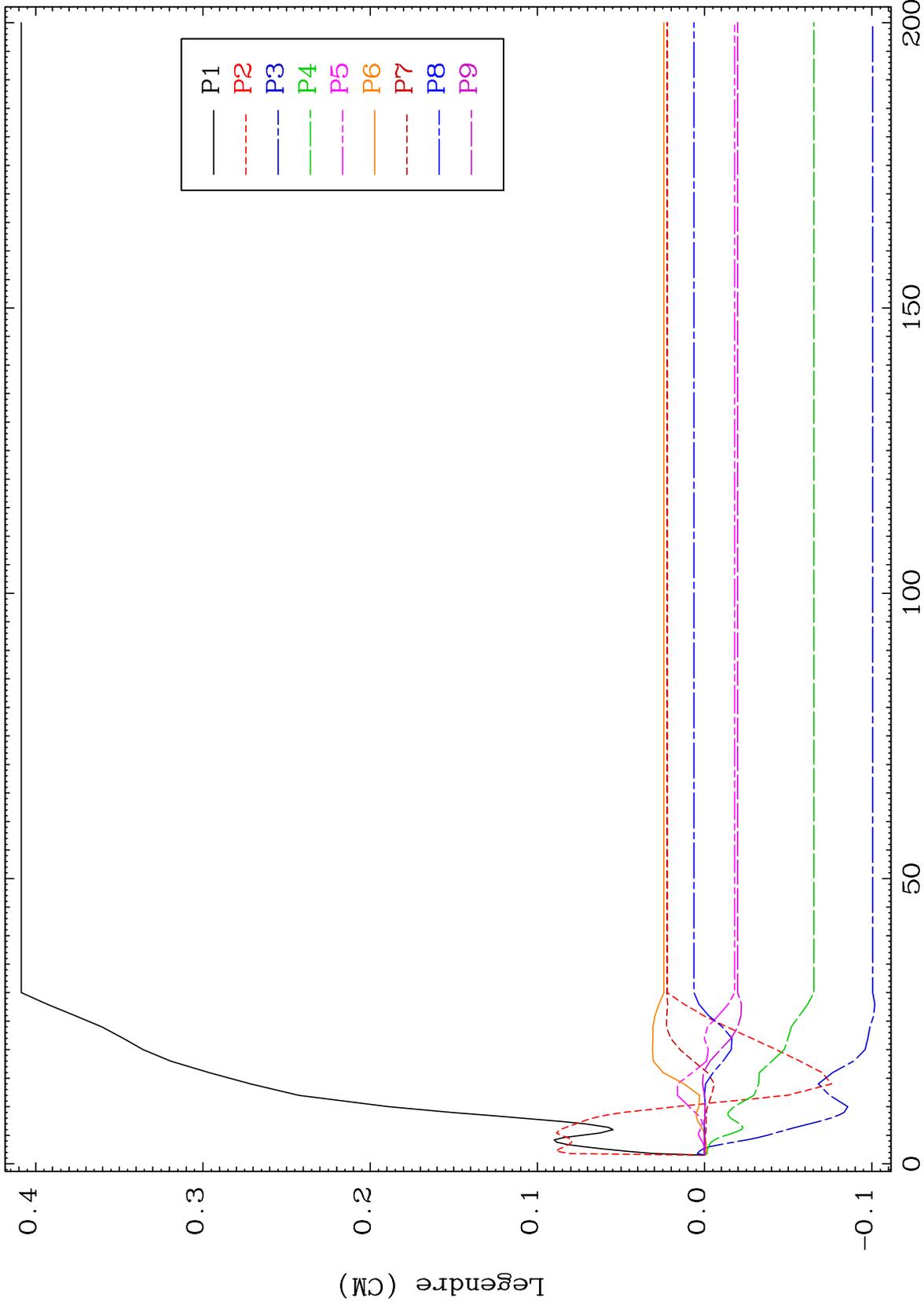
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Incident Energy (MeV)

30



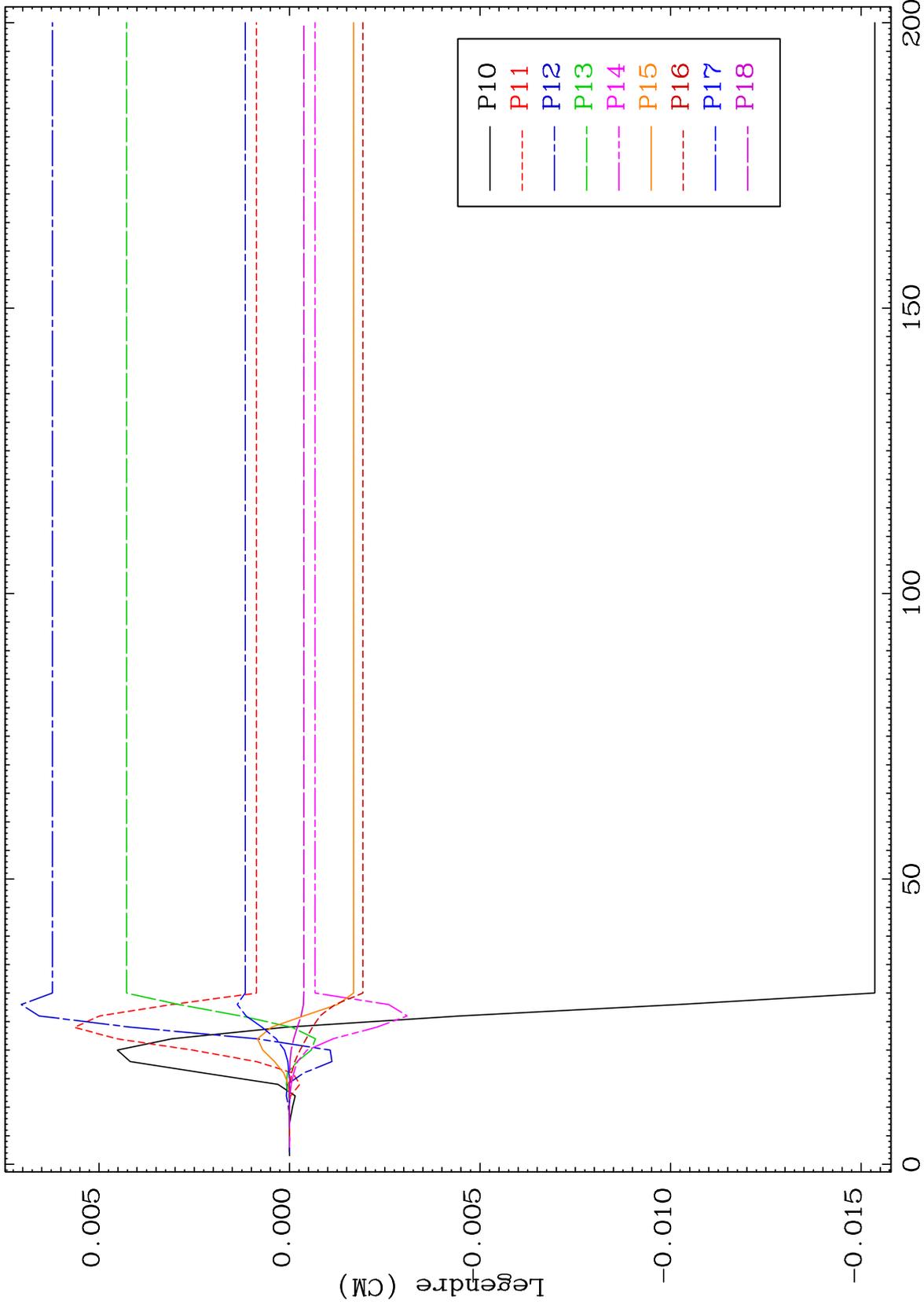




MAT 8601

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

86-Rn-203



34

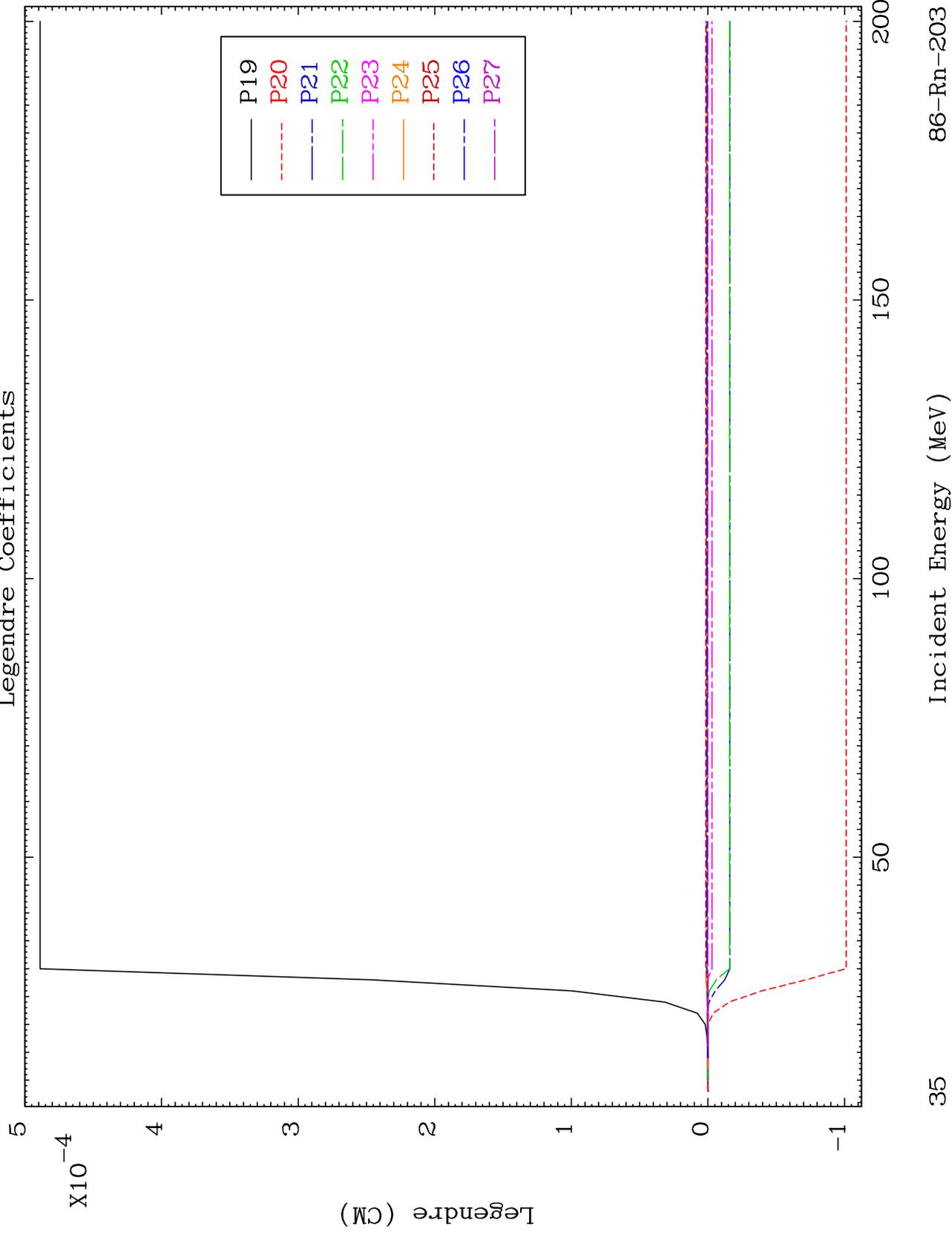
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



35

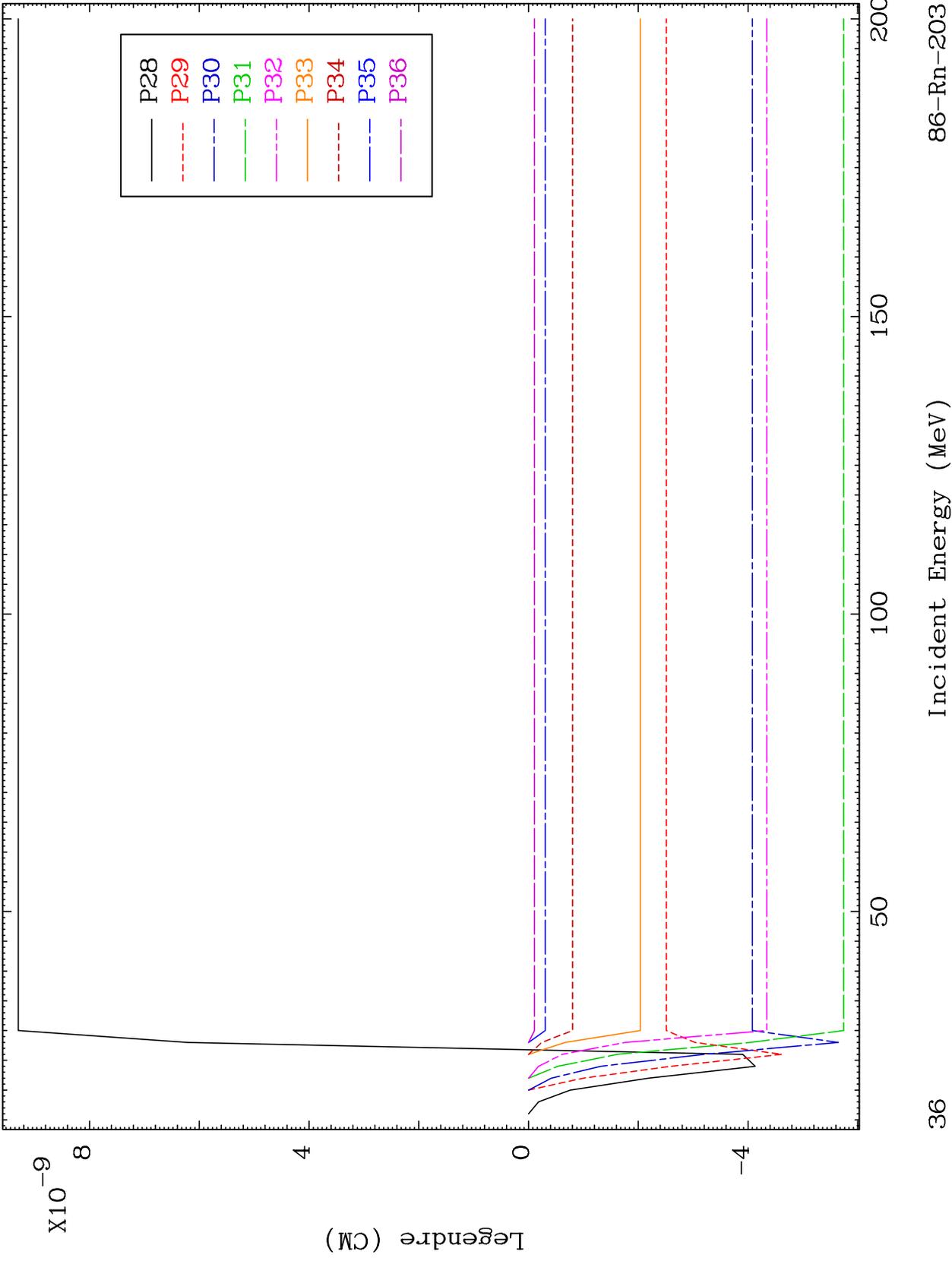
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



36

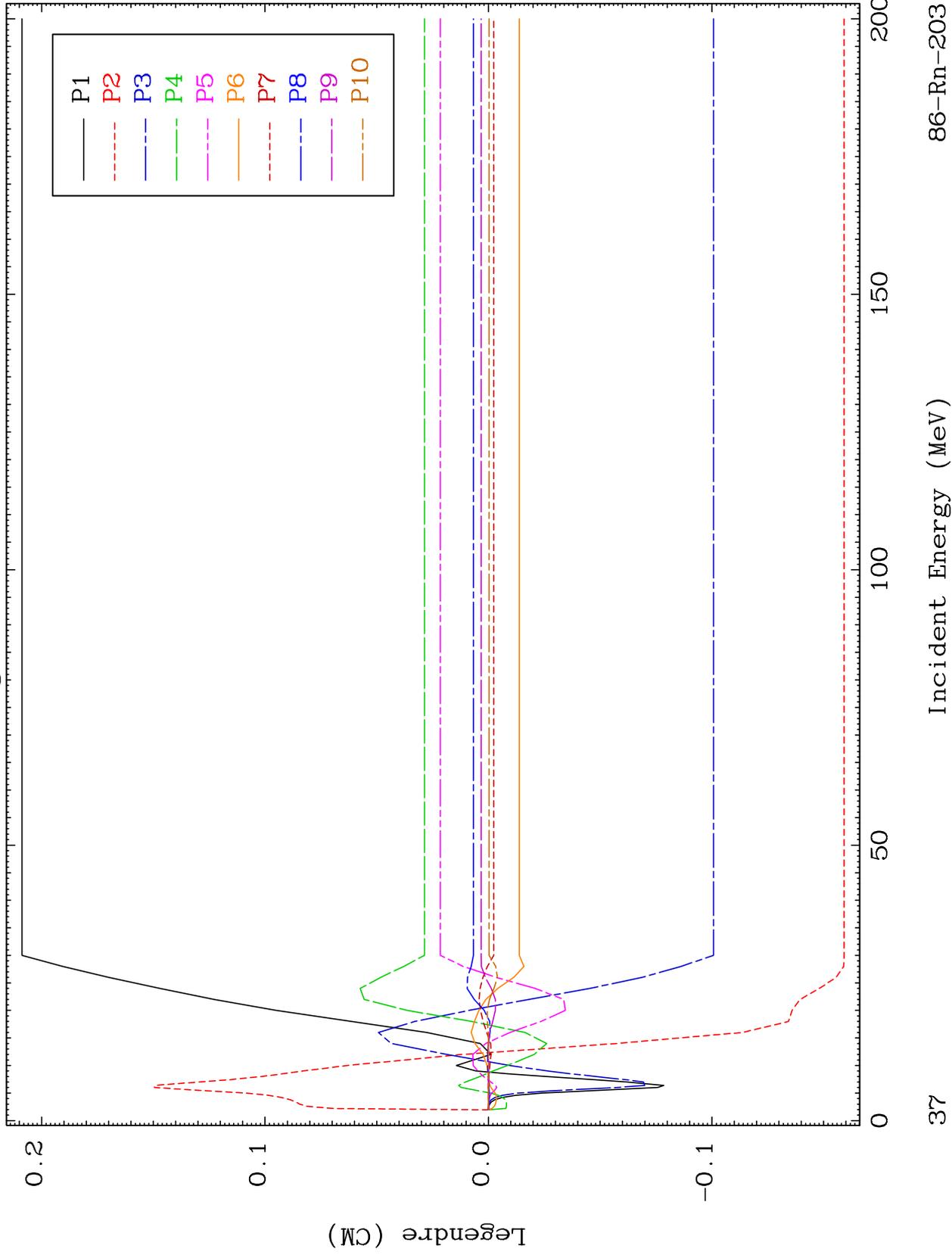
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



37

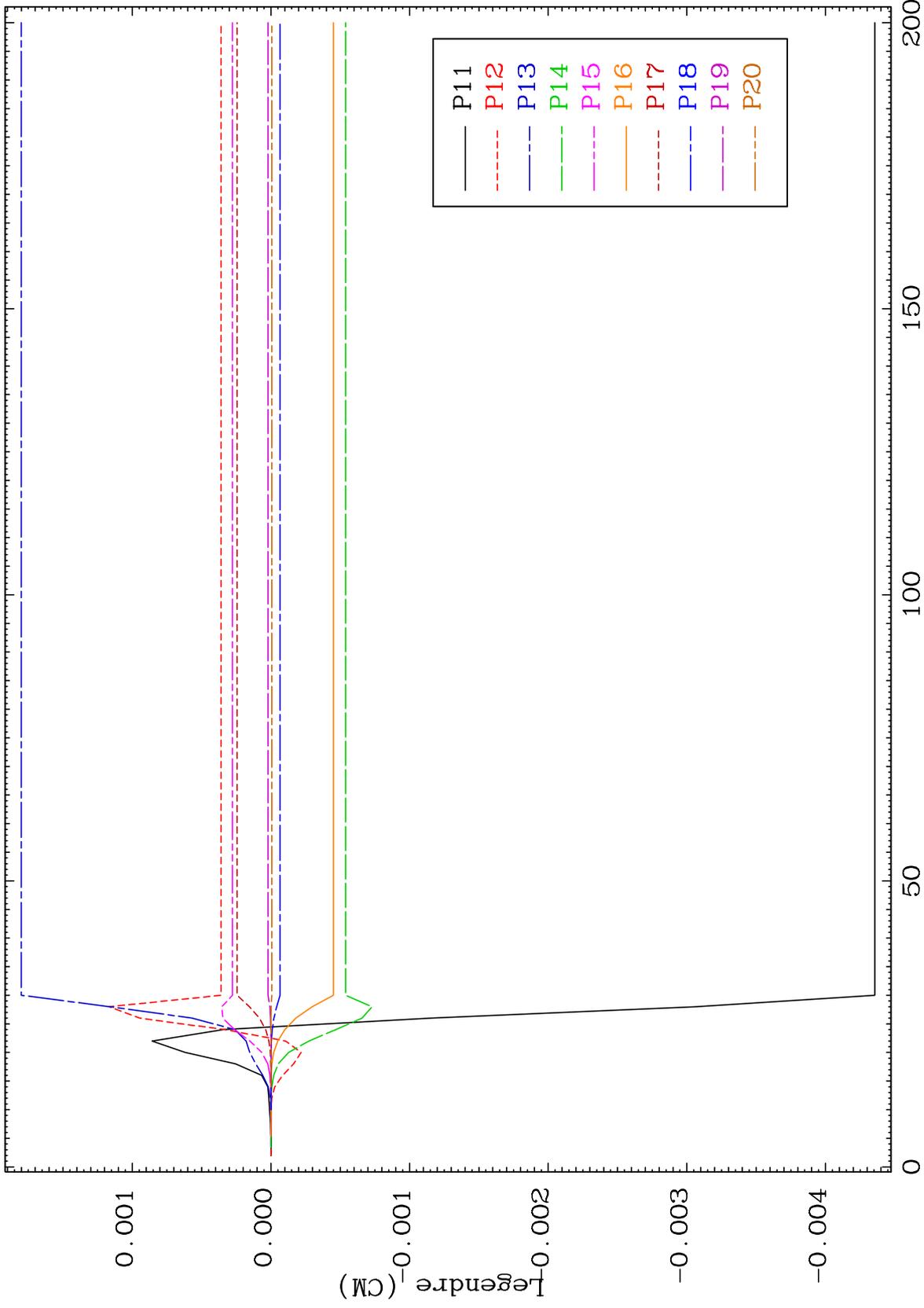
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



38

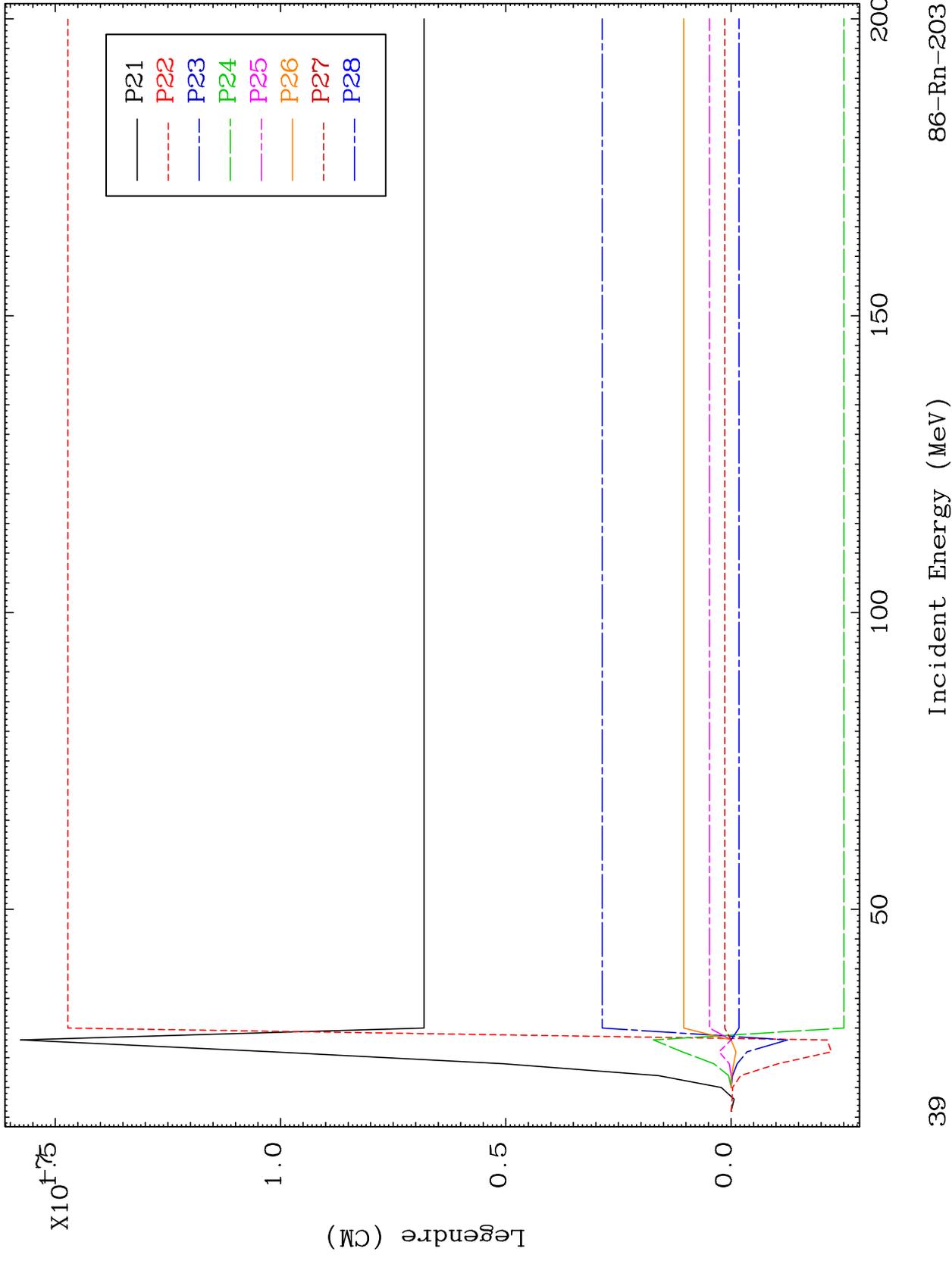
Incident Energy (MeV)

86-Rn-203

MAT 8601

86-Rn-203

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



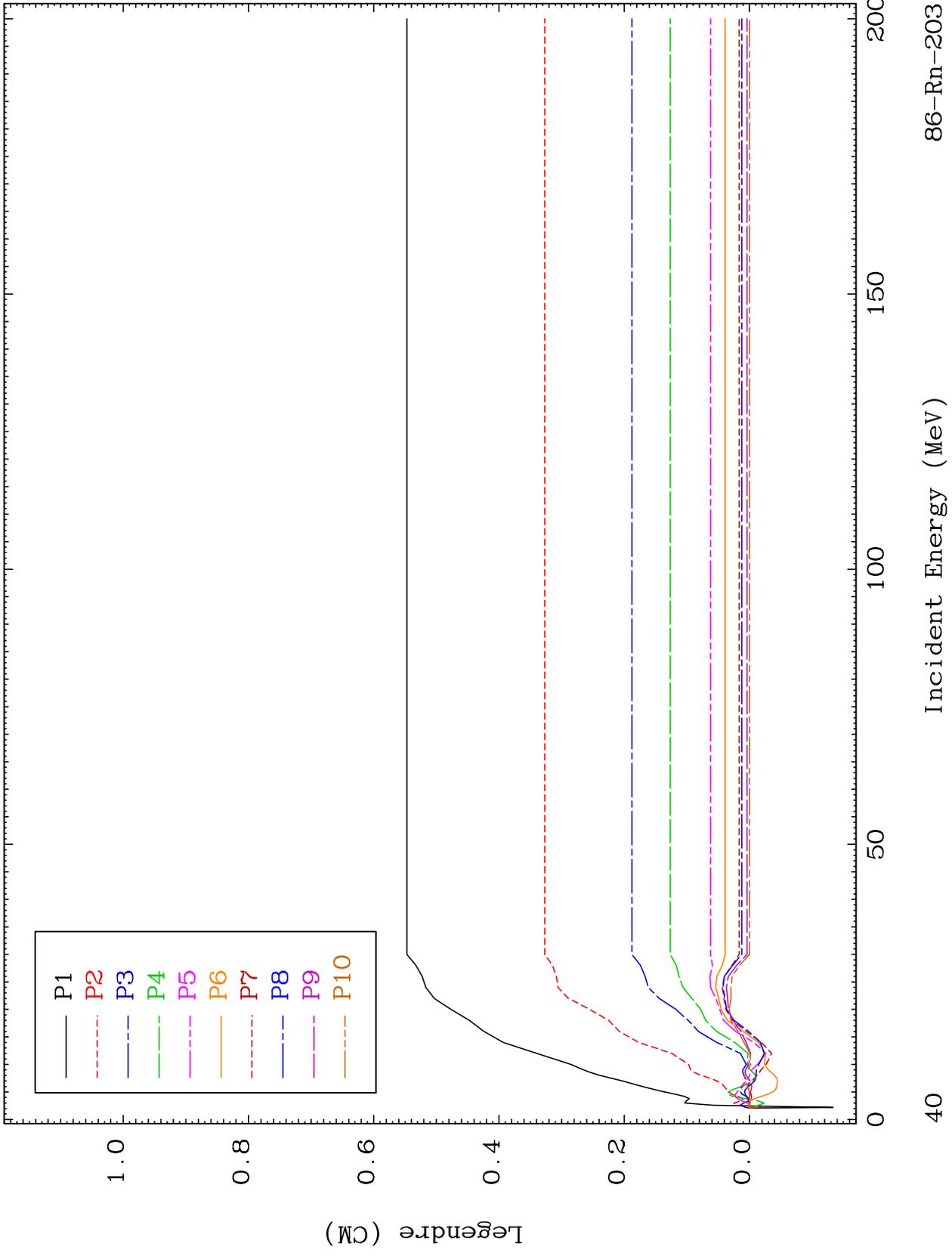
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86-Rn-203

MAT 8601

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

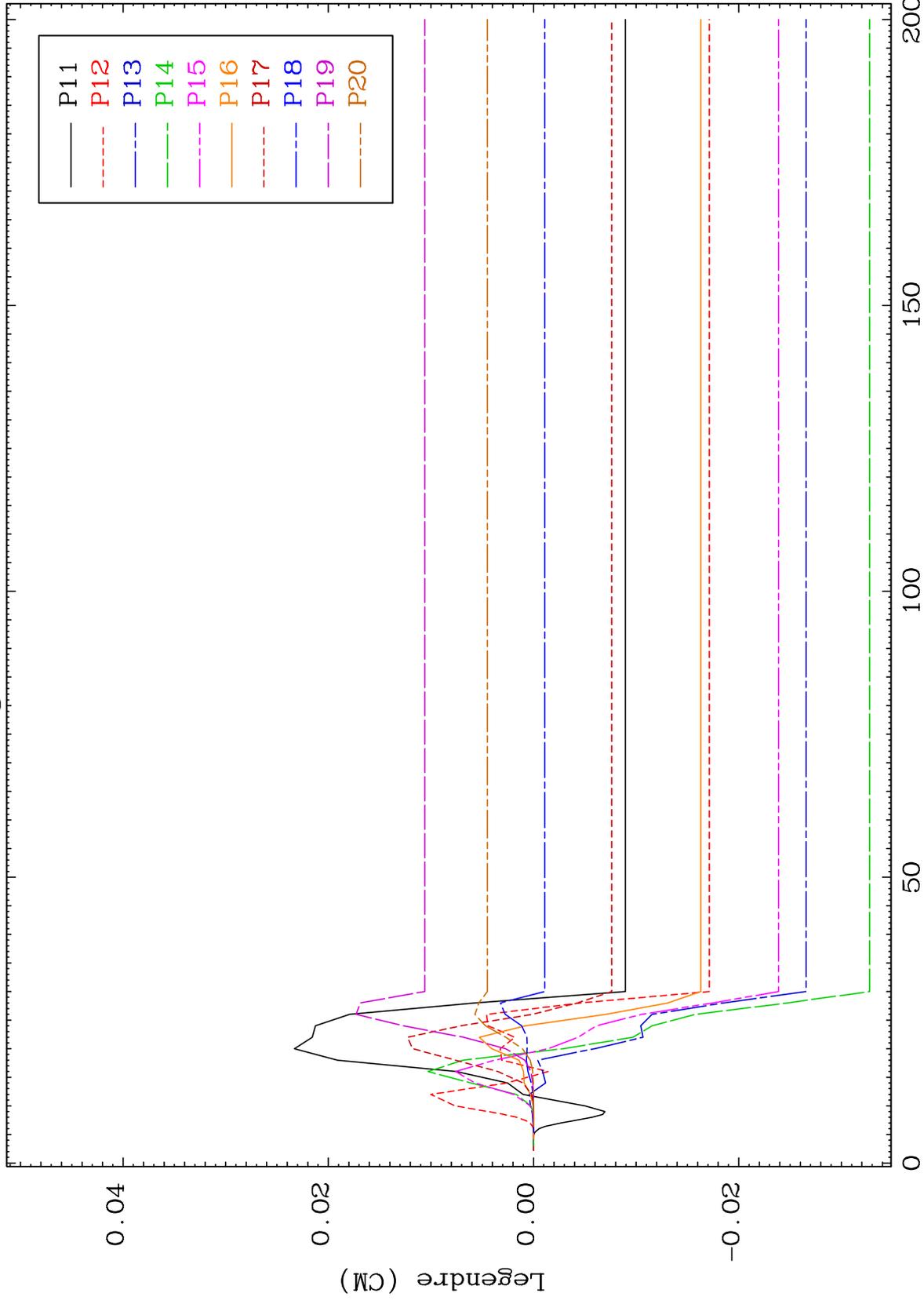
86-Rn-203



MAT 8601

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

86-Rn-203



41

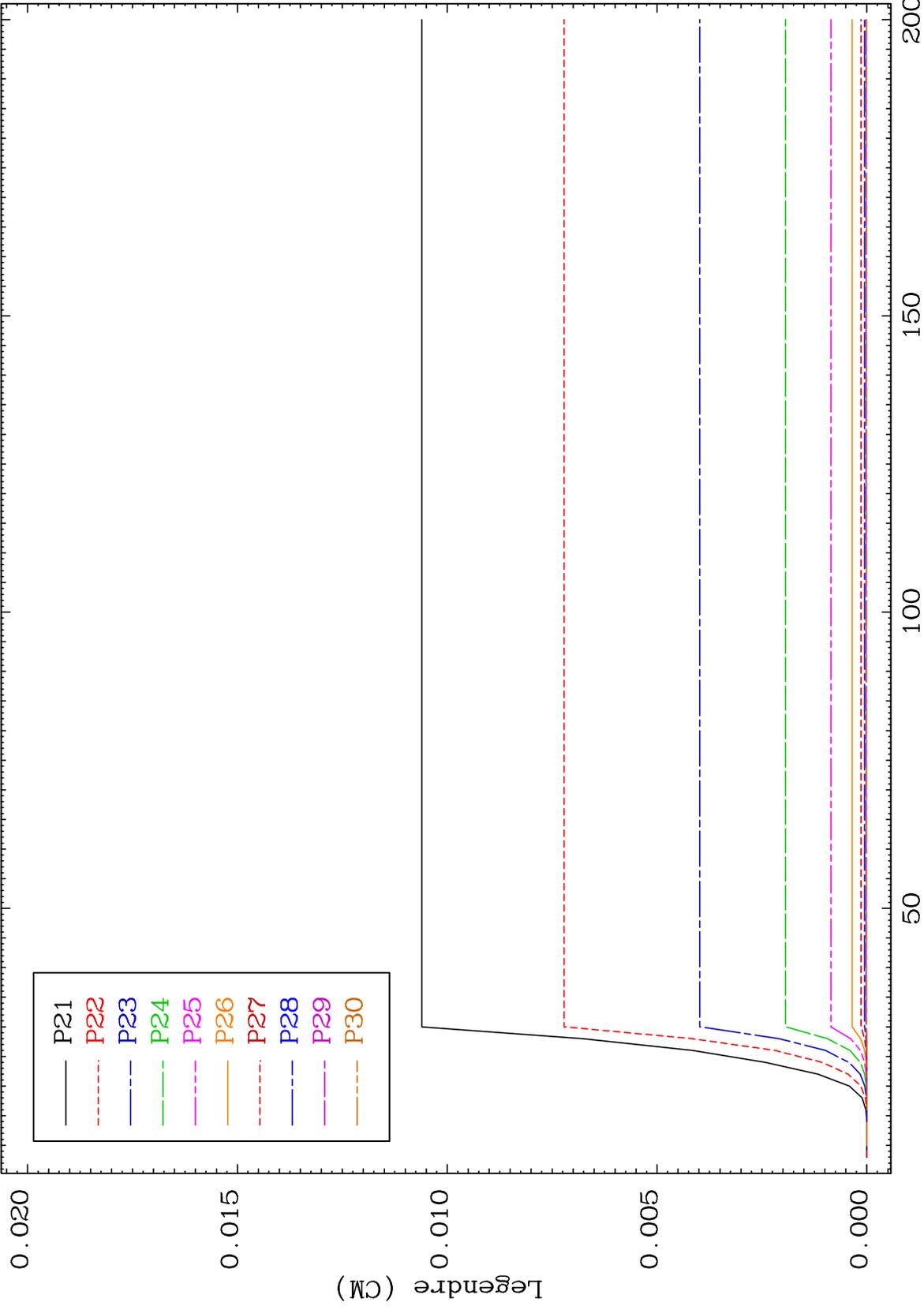
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



42

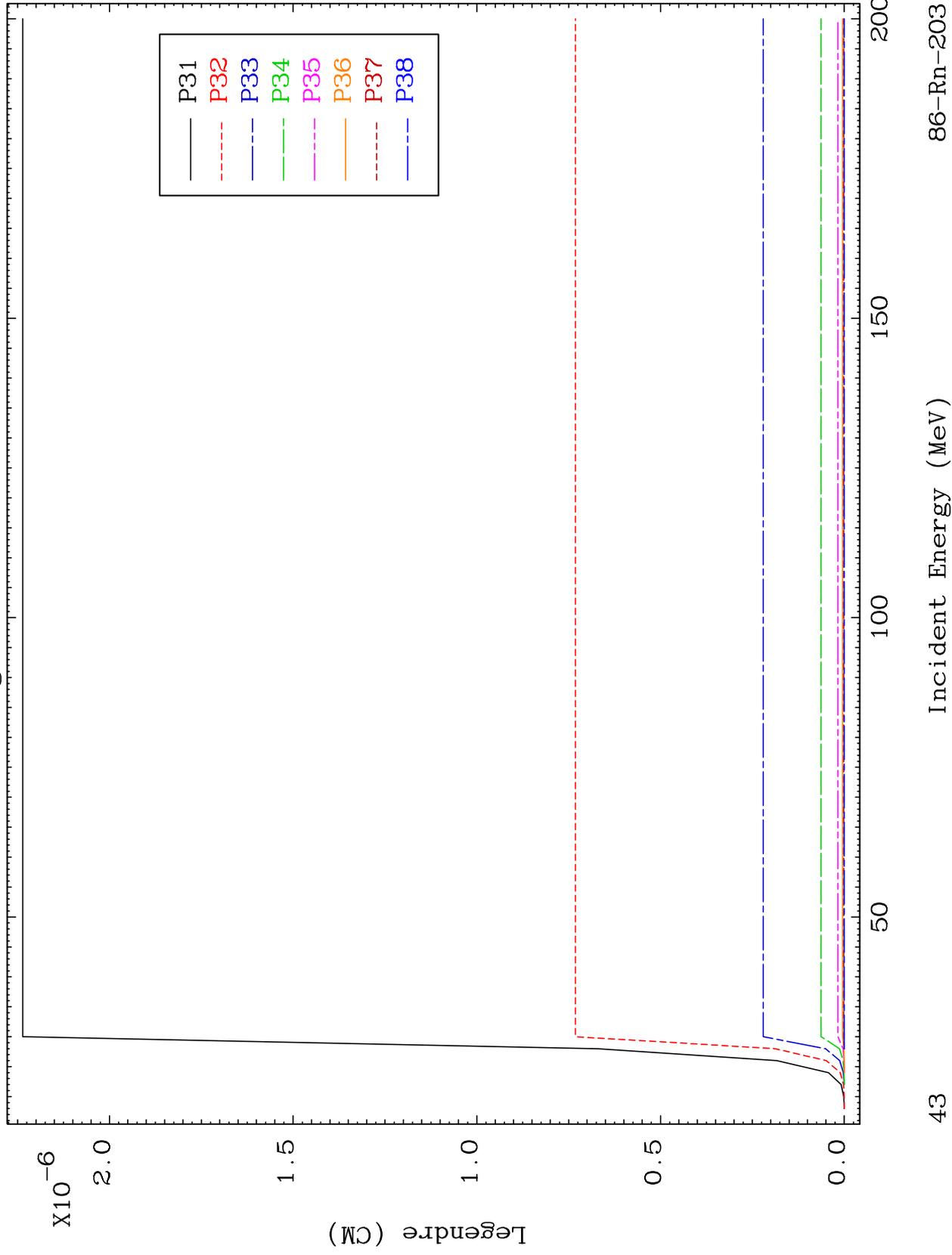
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



43

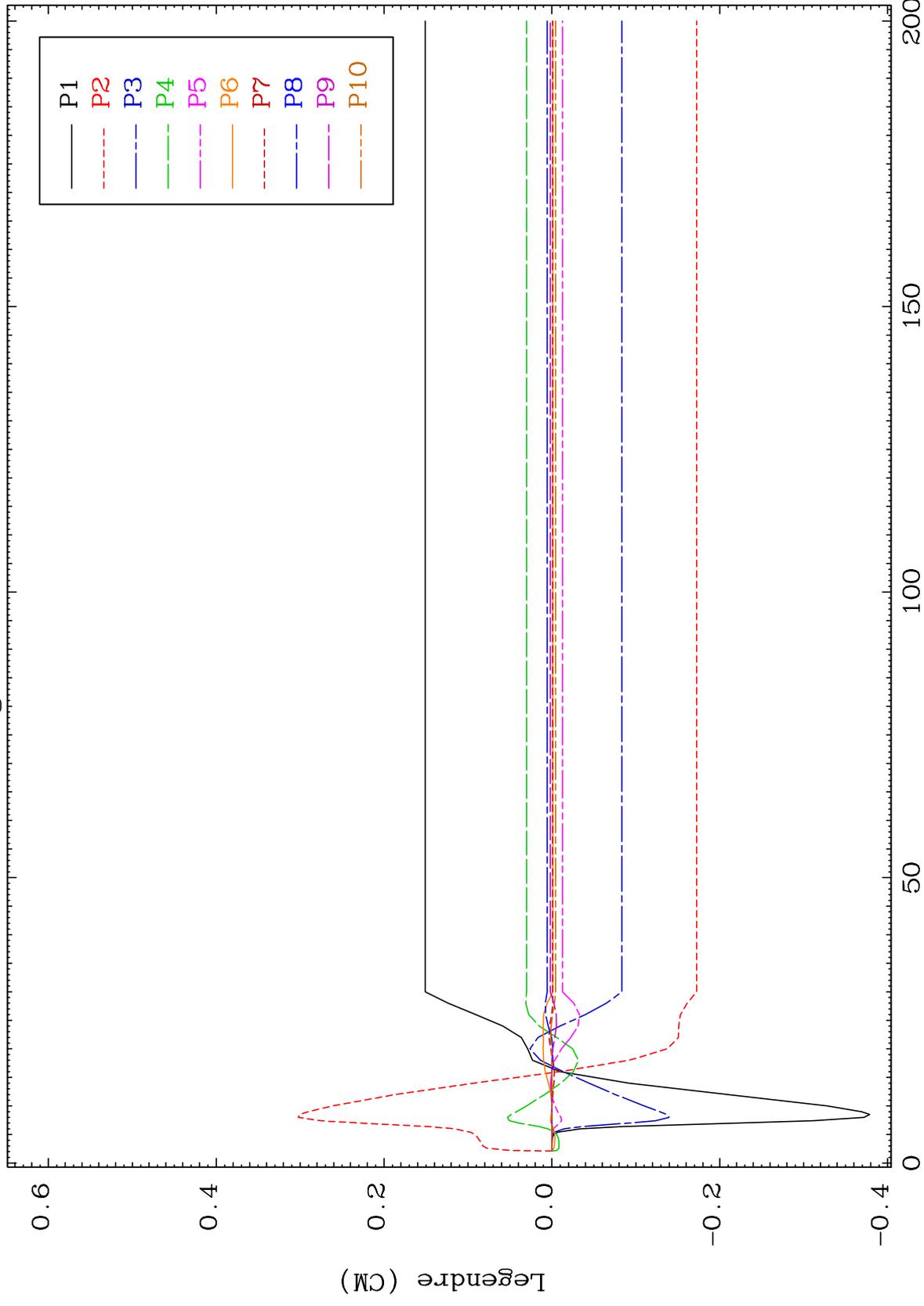
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



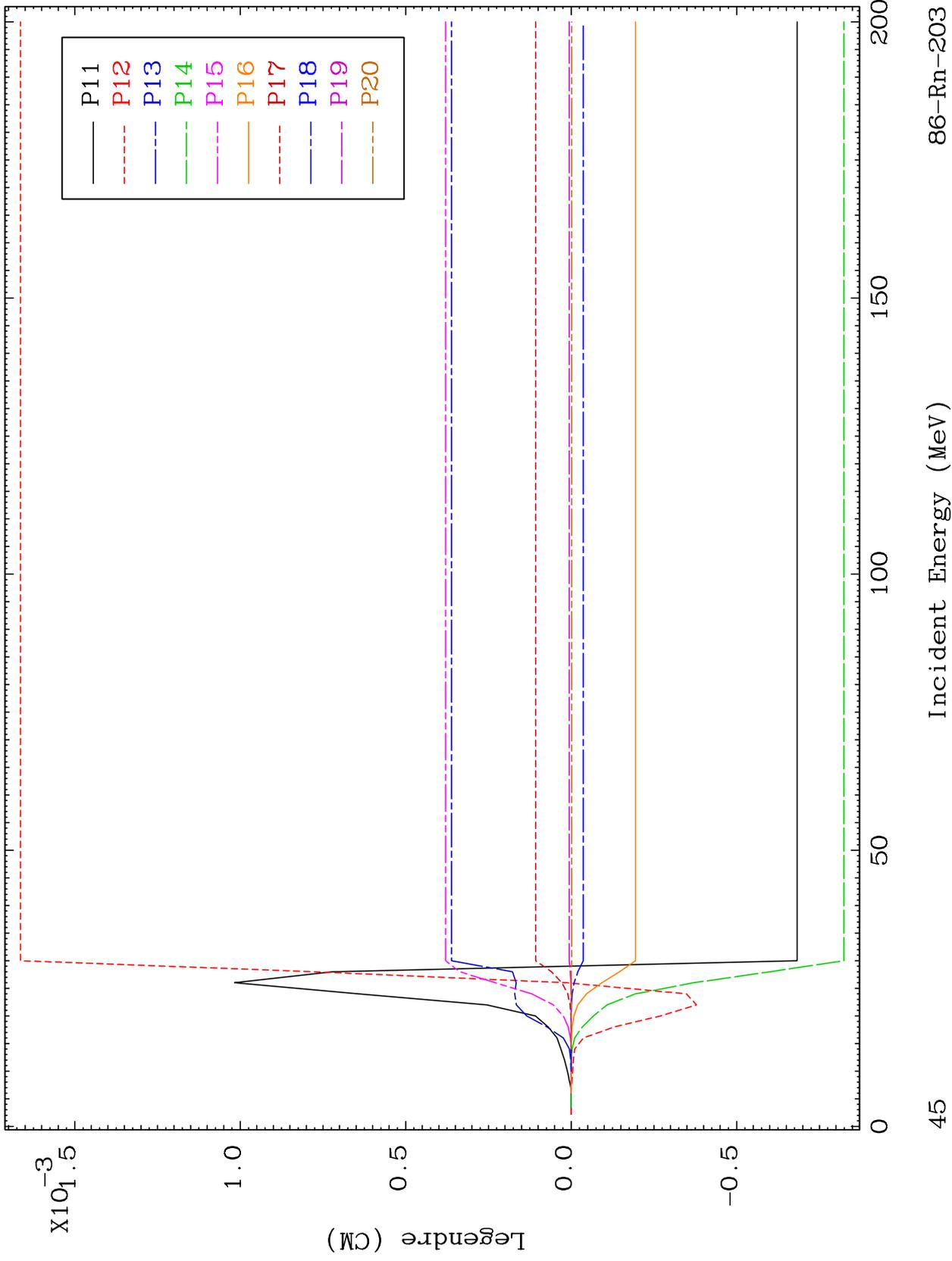
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86-Rn-203

MAT 8601

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

86-Rn-203



86-Rn-203

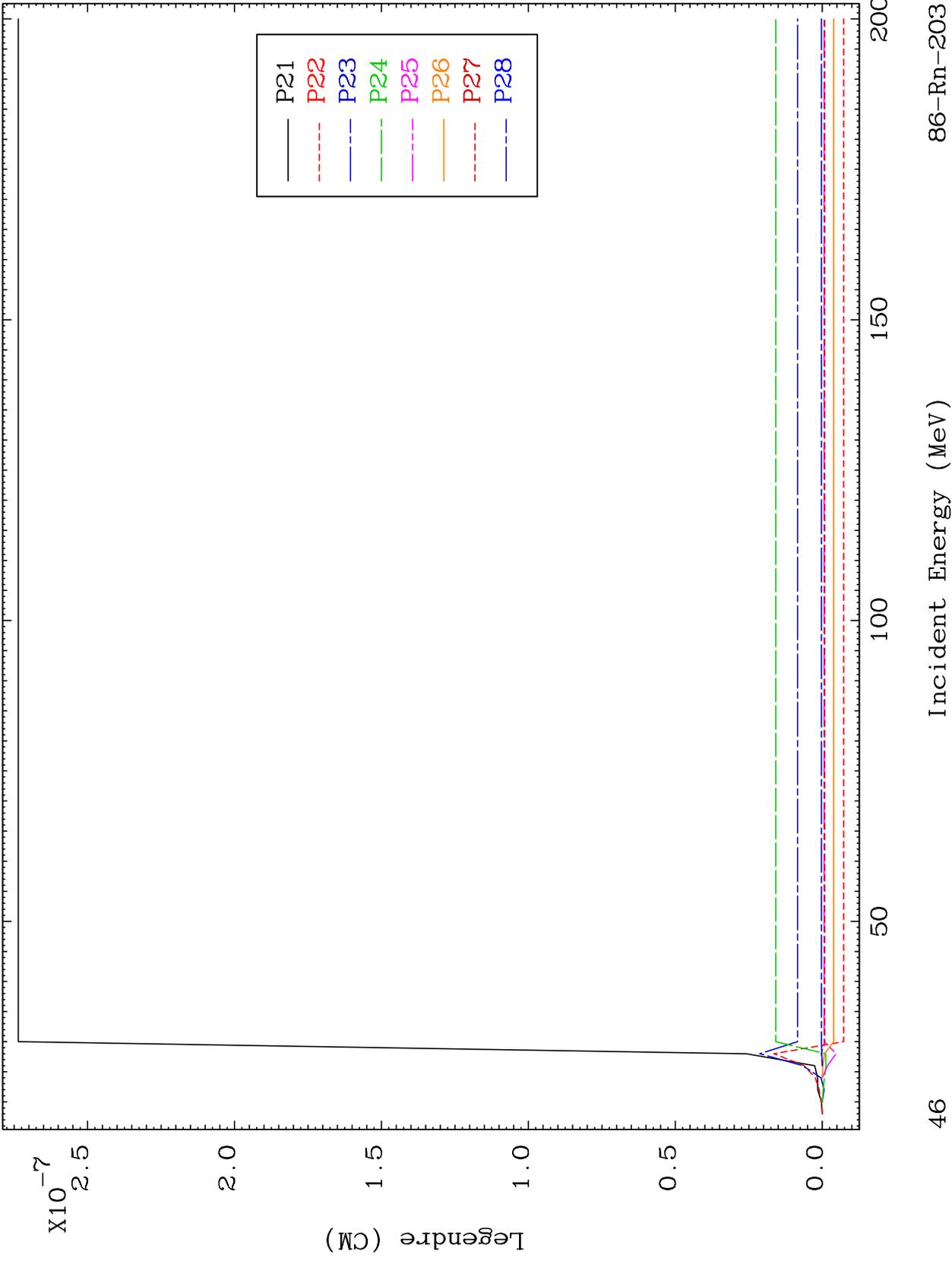
Incident Energy (MeV)

45

MAT 8601

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

86-Rn-203



46

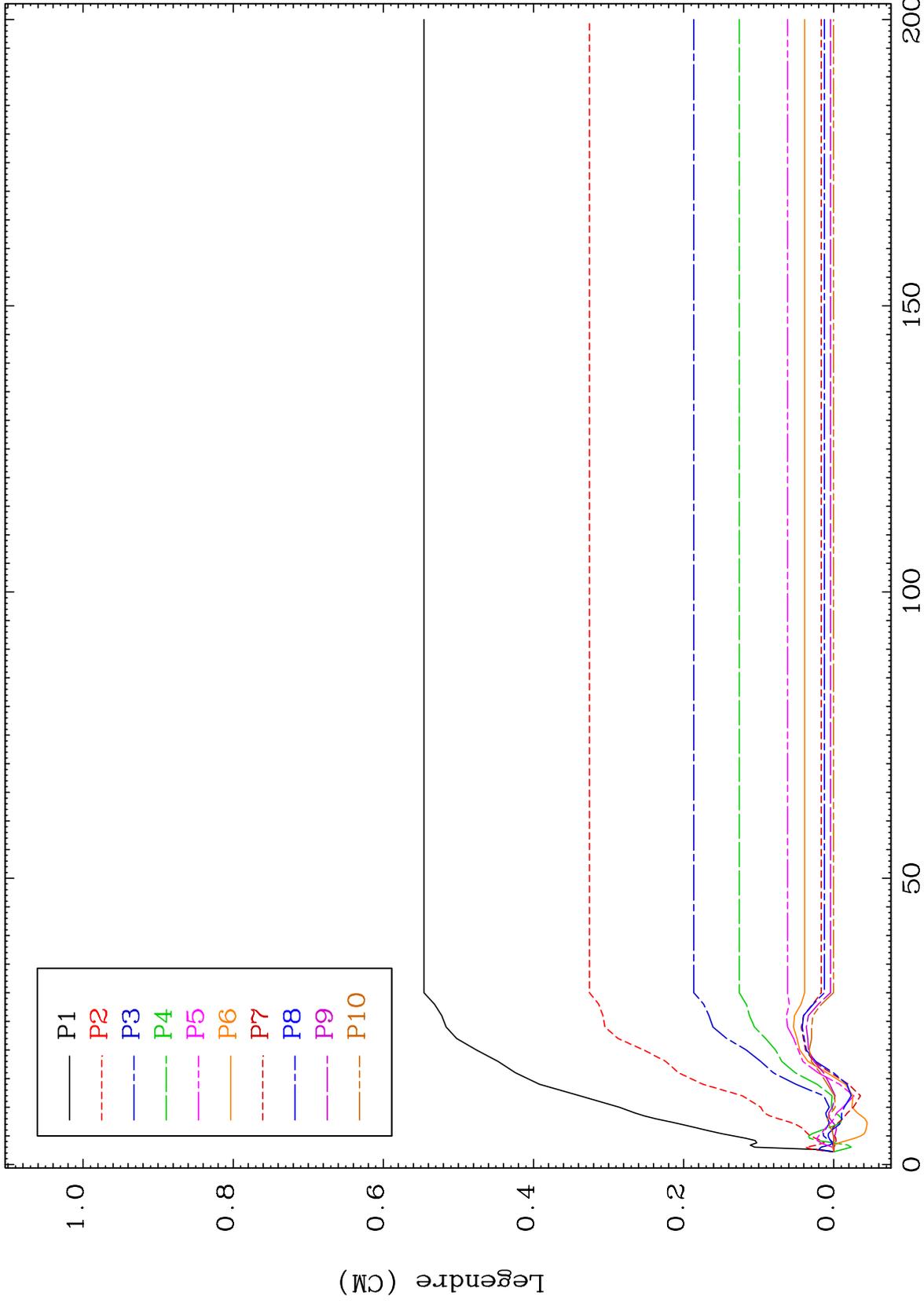
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



47

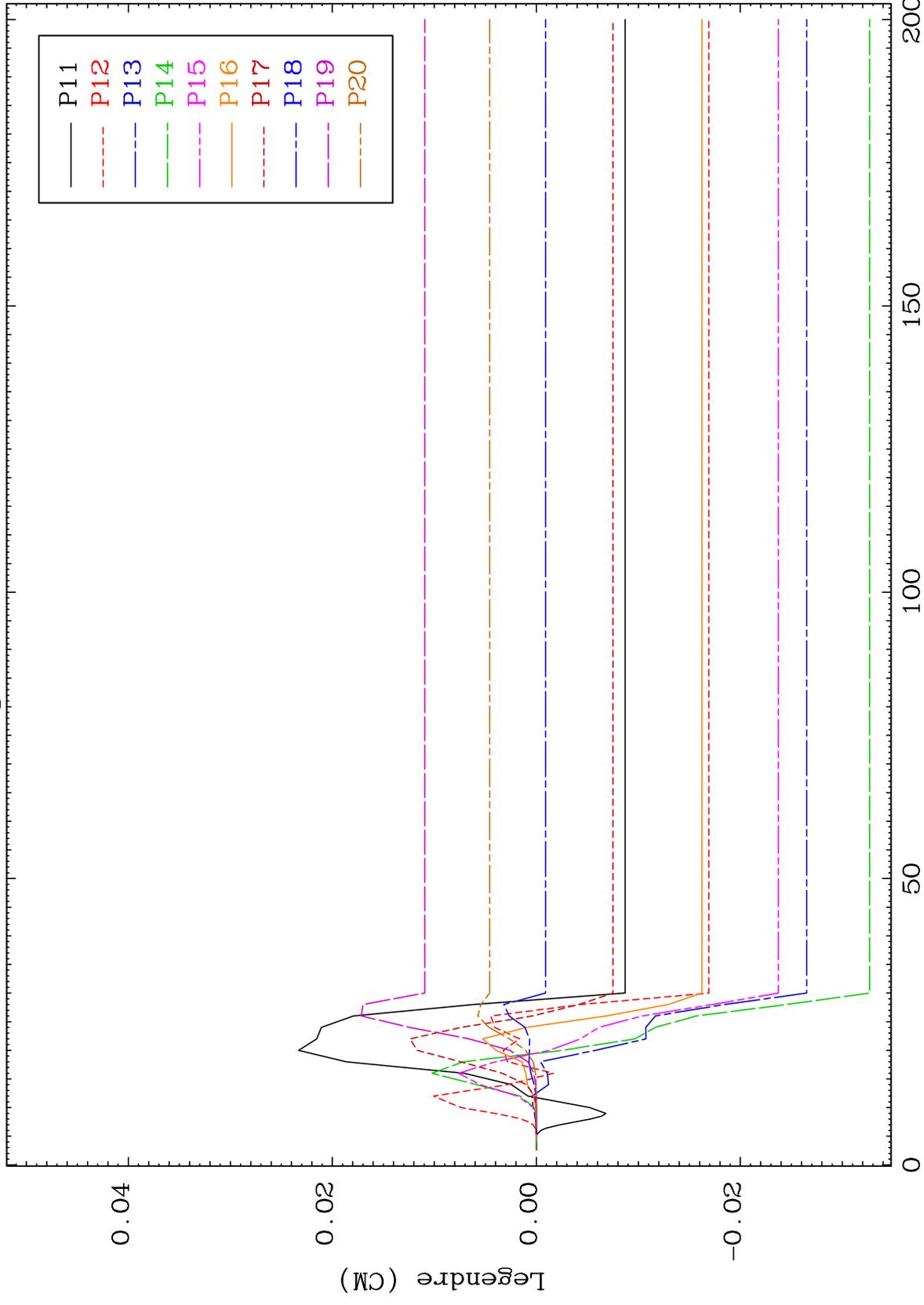
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



48

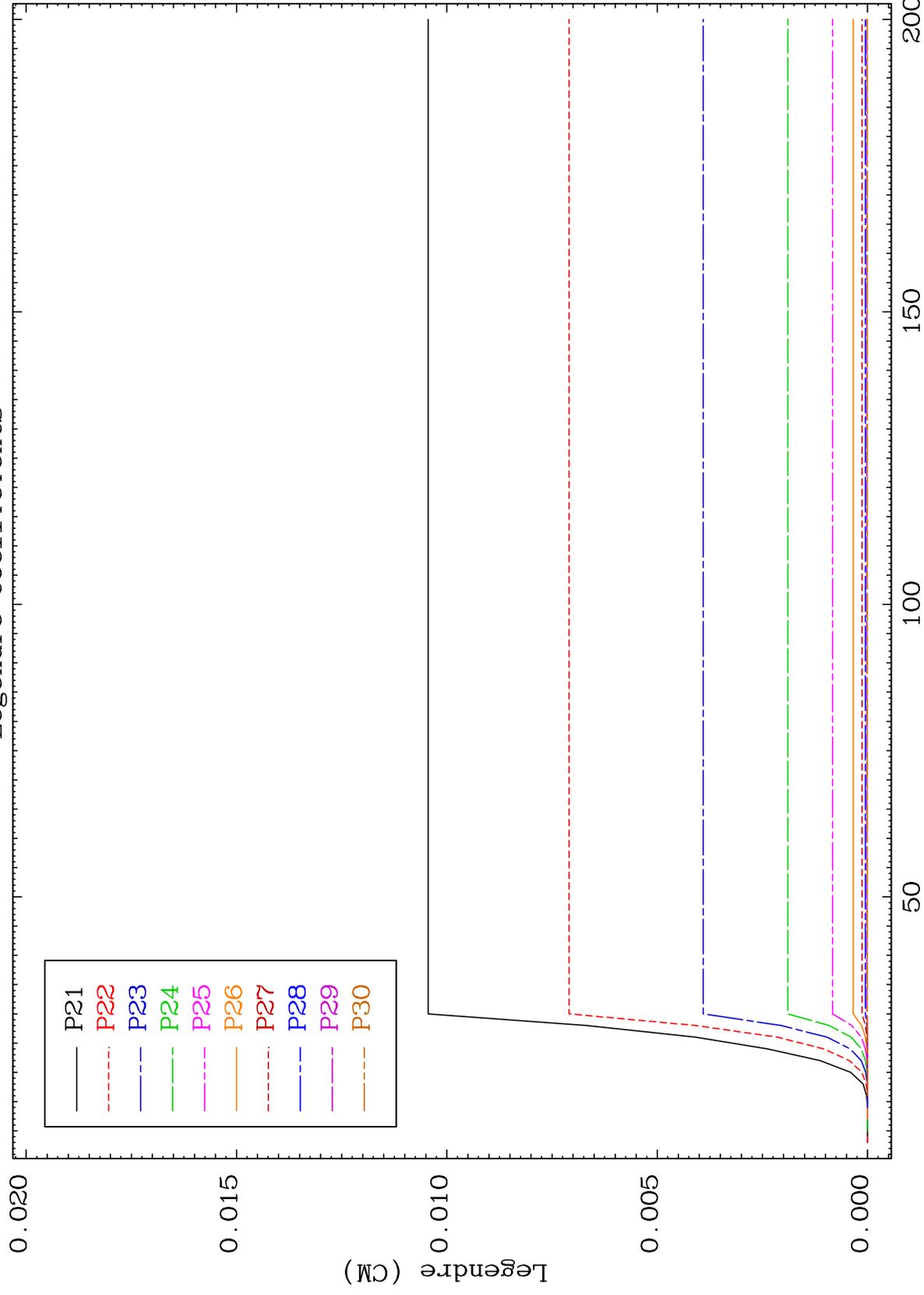
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



49

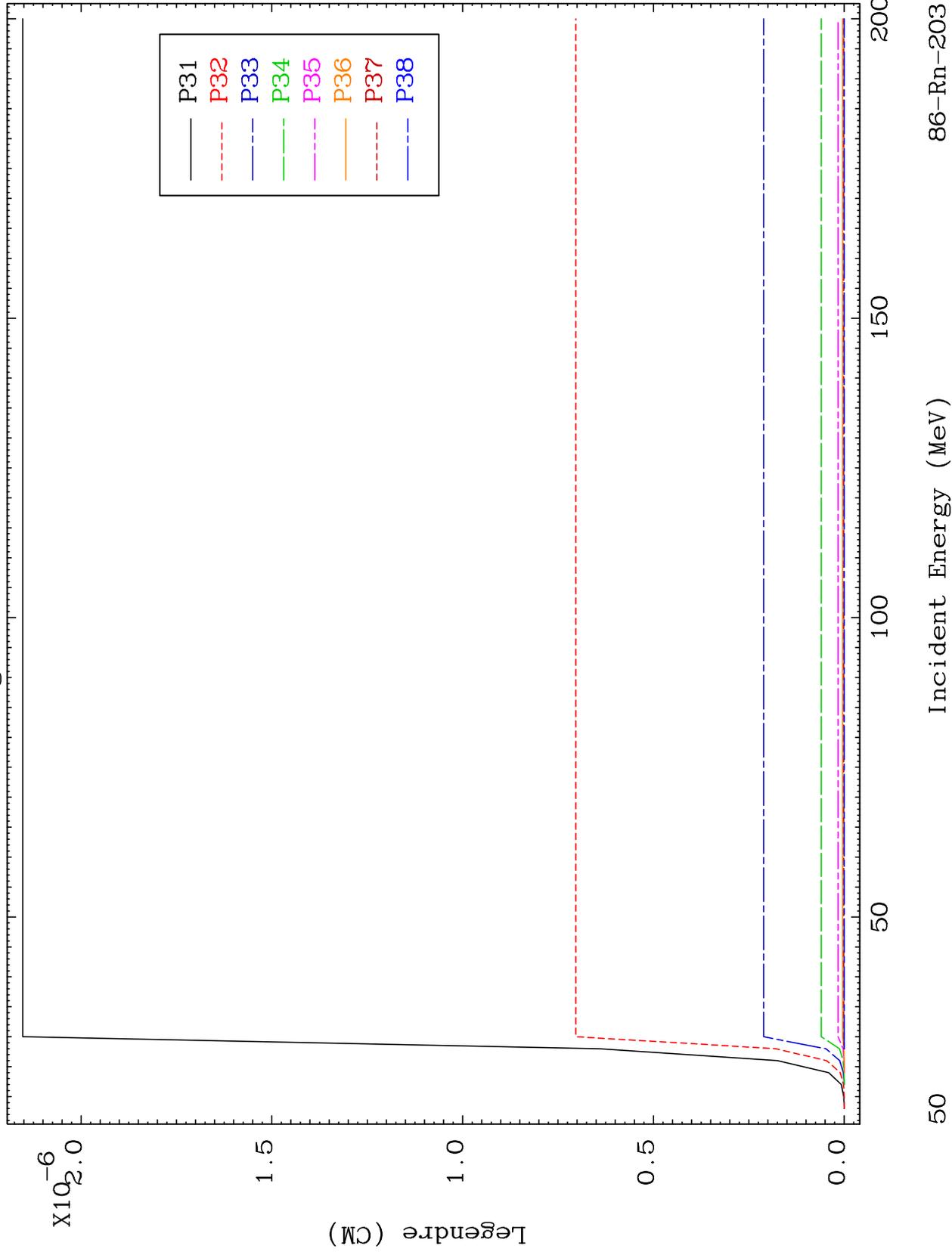
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

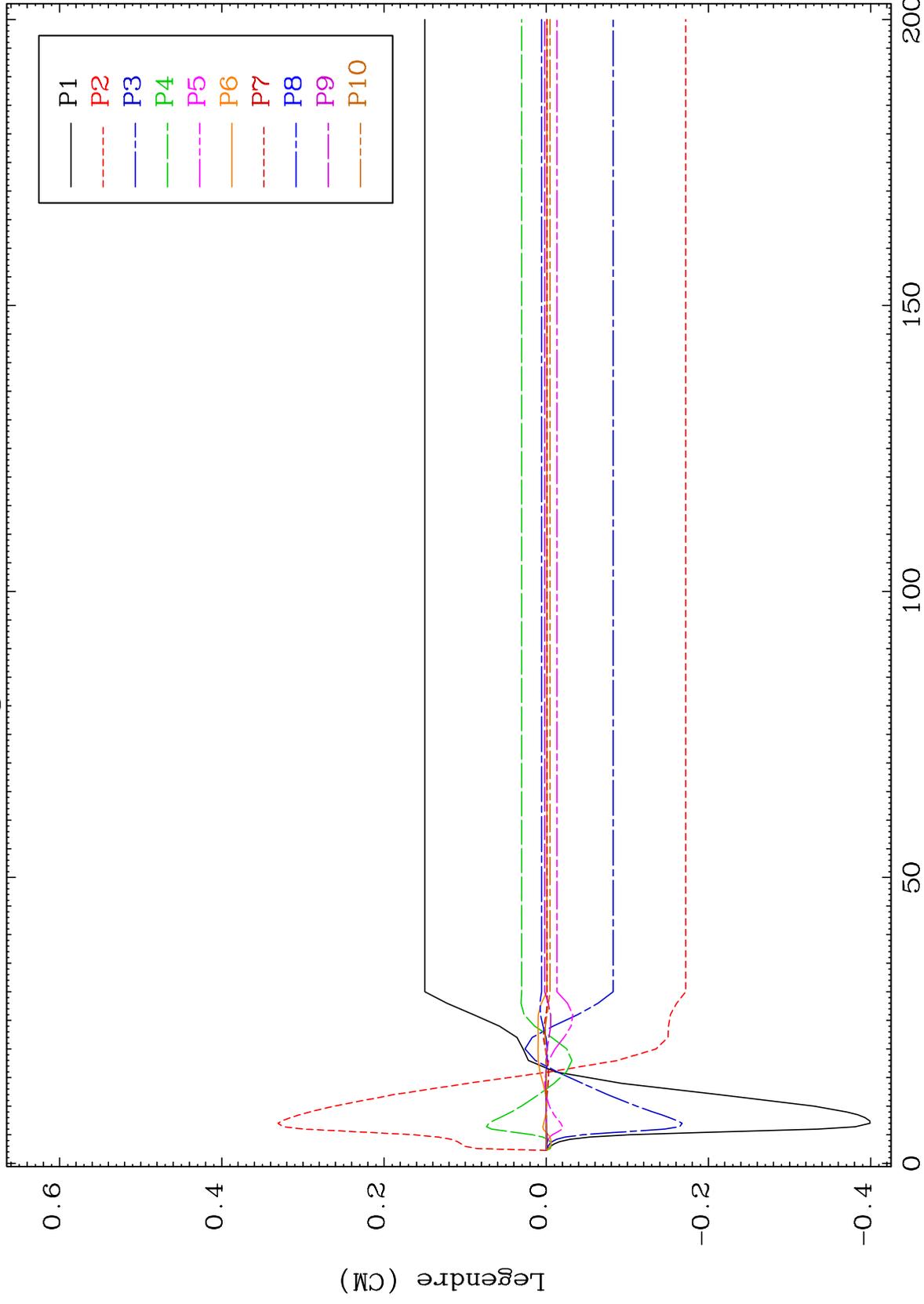
86-Rn-203



MAT 8601

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

86-Rn-203



51

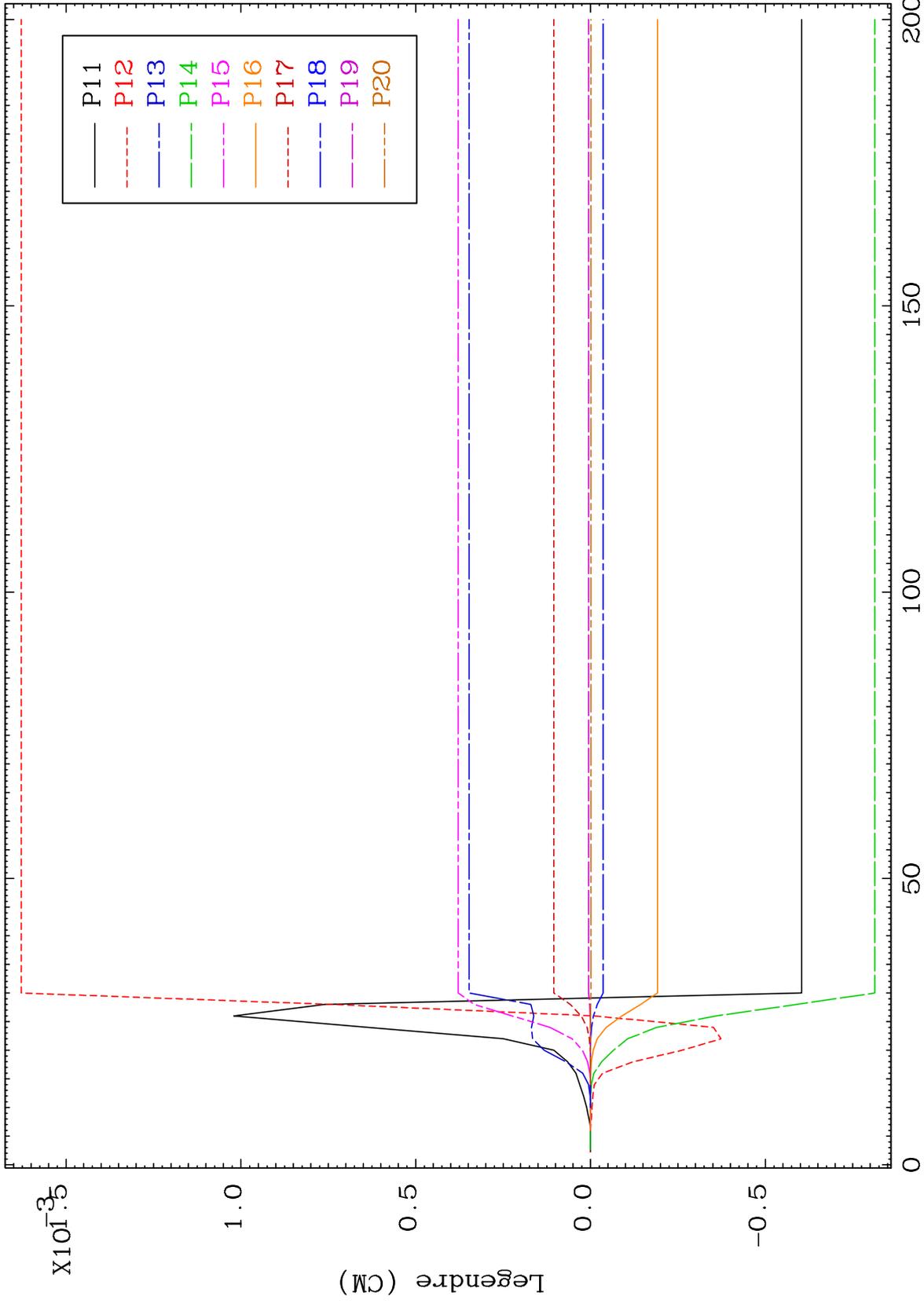
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



52

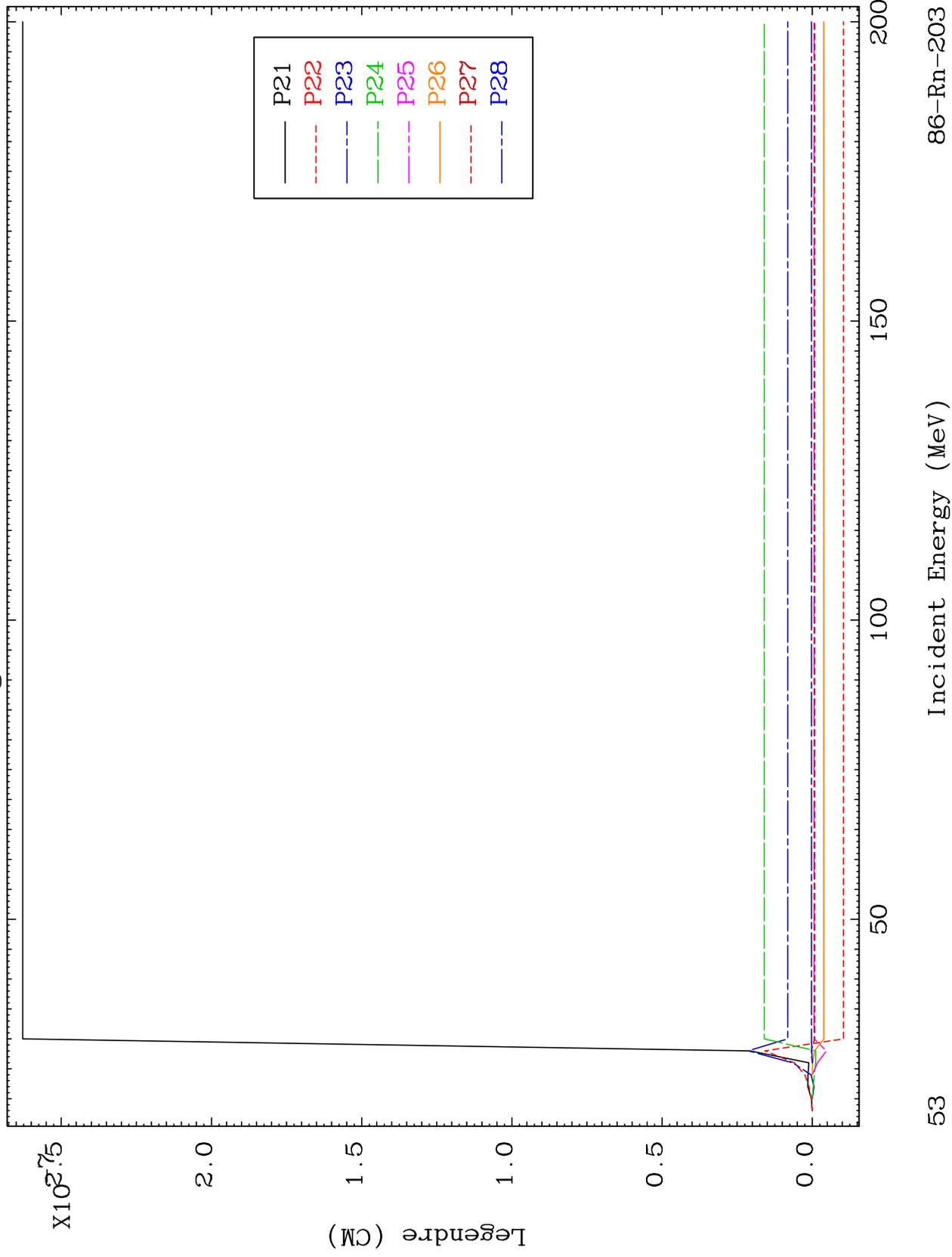
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



53

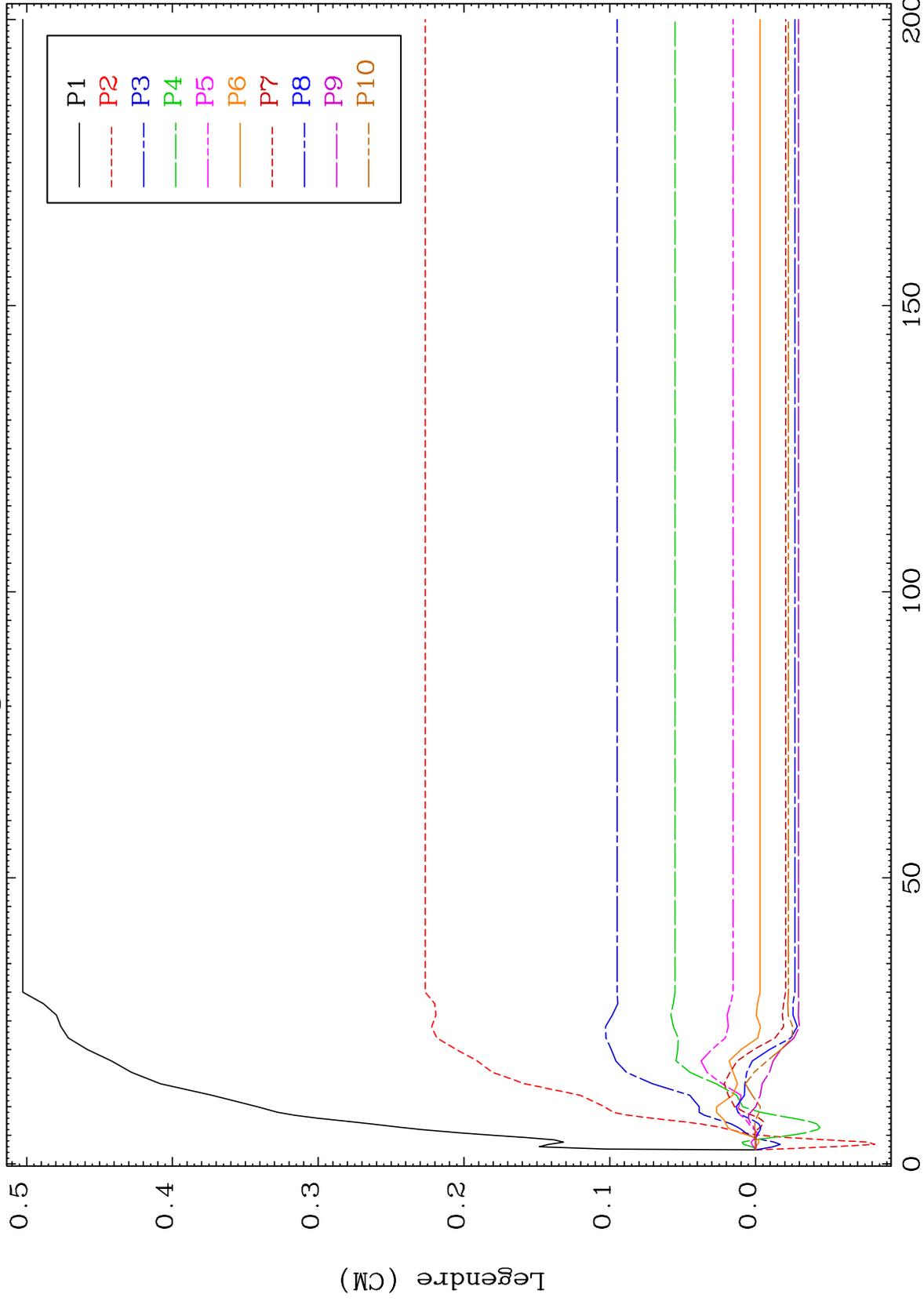
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



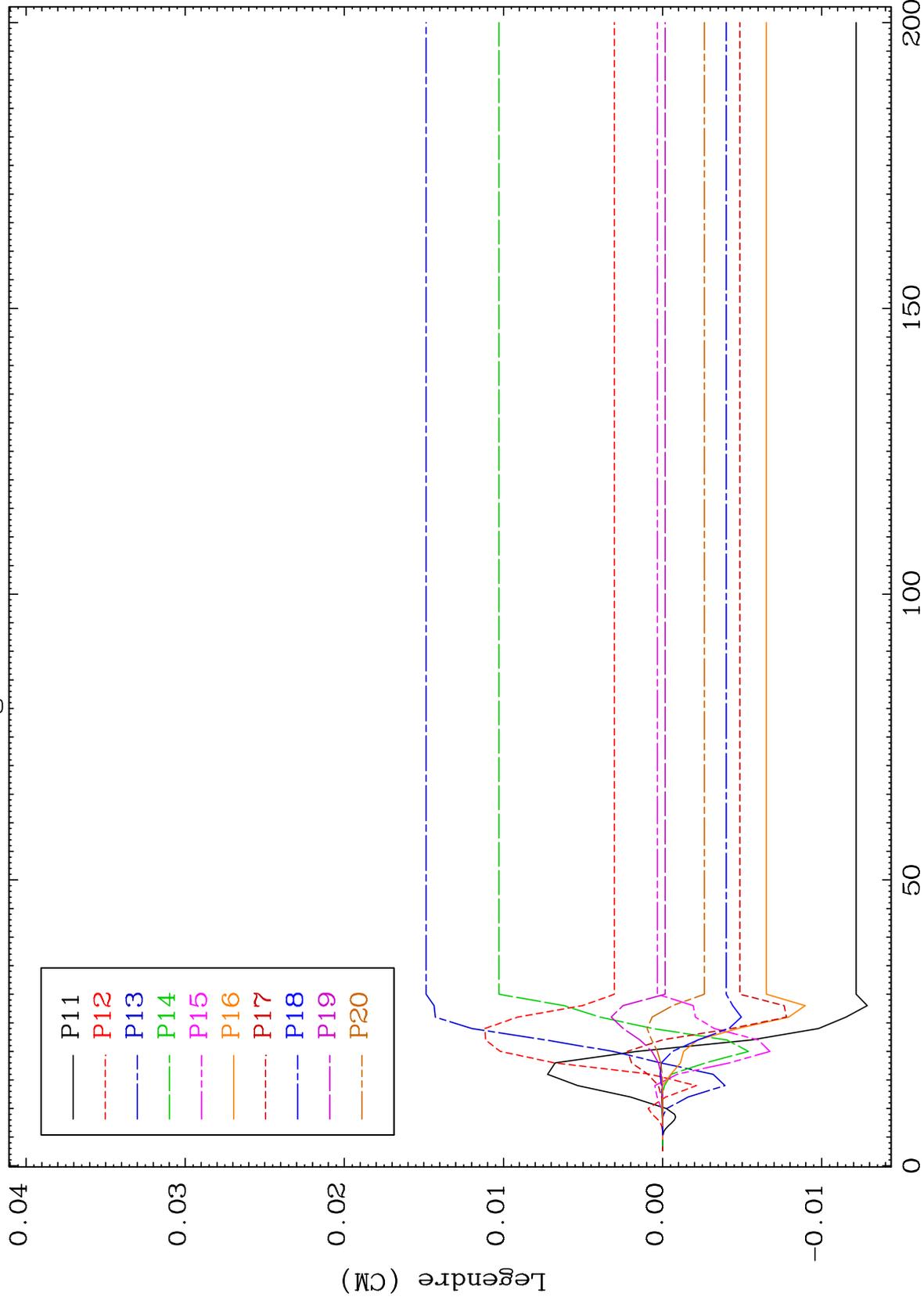
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86-Rn-203

MAT 8601

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

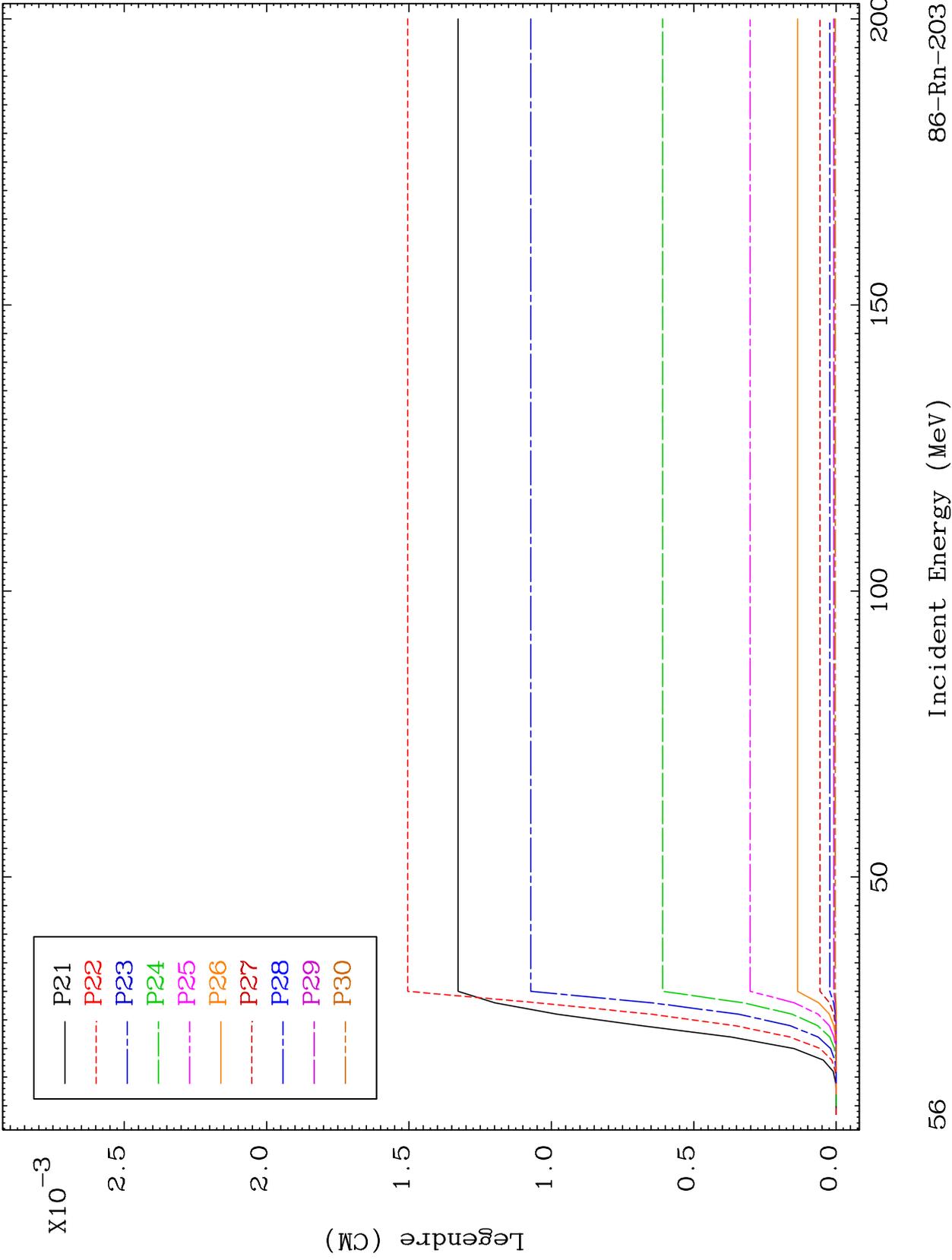
86-Rn-203



55

Incident Energy (MeV)

86-Rn-203

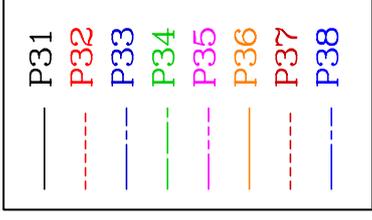


MAT 8601

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

86-Rn-203

$\times 10^{-6}$   
1.0



Legendre (CM)

0.8

0.6

0.4

0.2

0.0

50

100

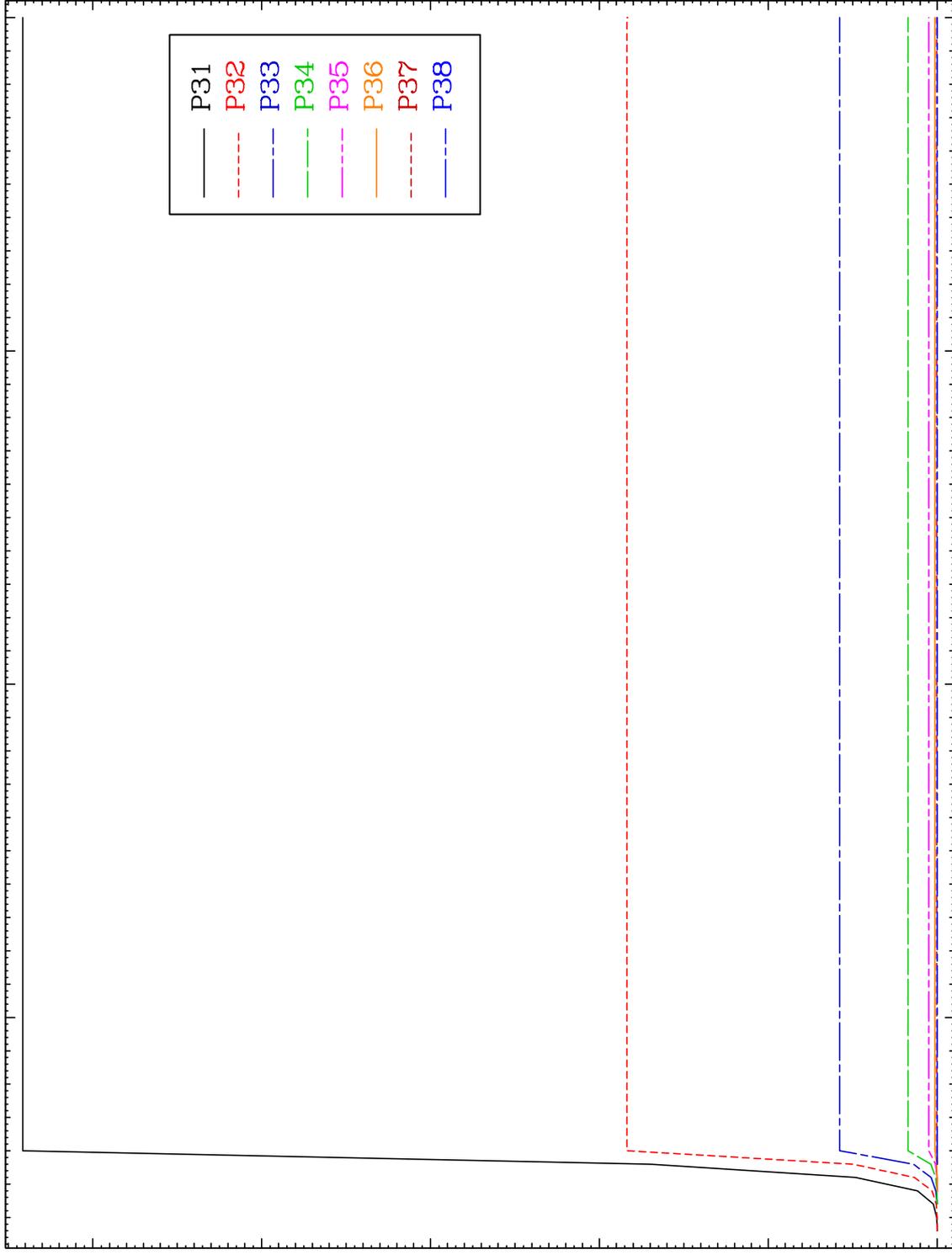
150

200

57

Incident Energy (MeV)

86-Rn-203

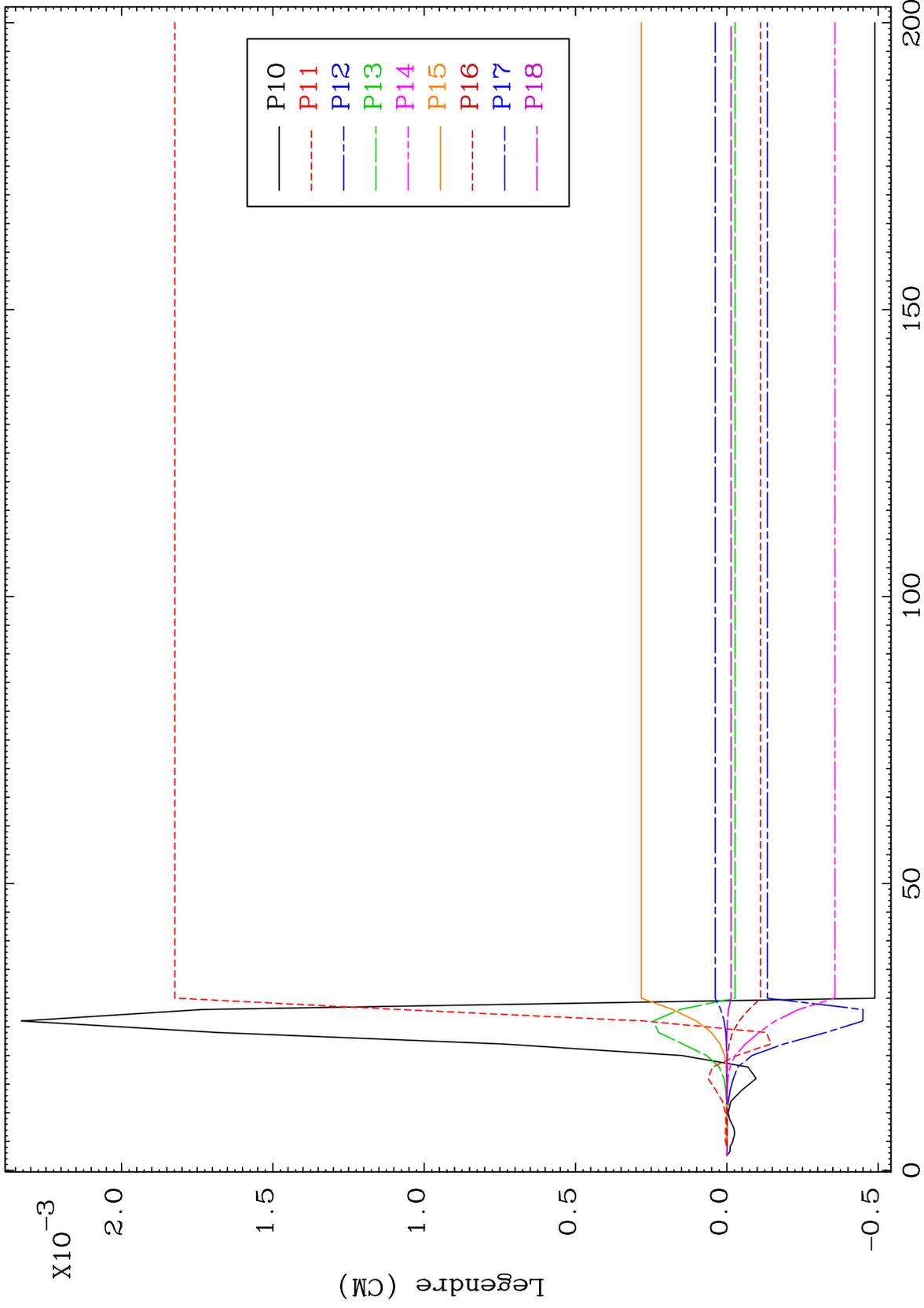




MAT 8601

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

86-Rn-203



59

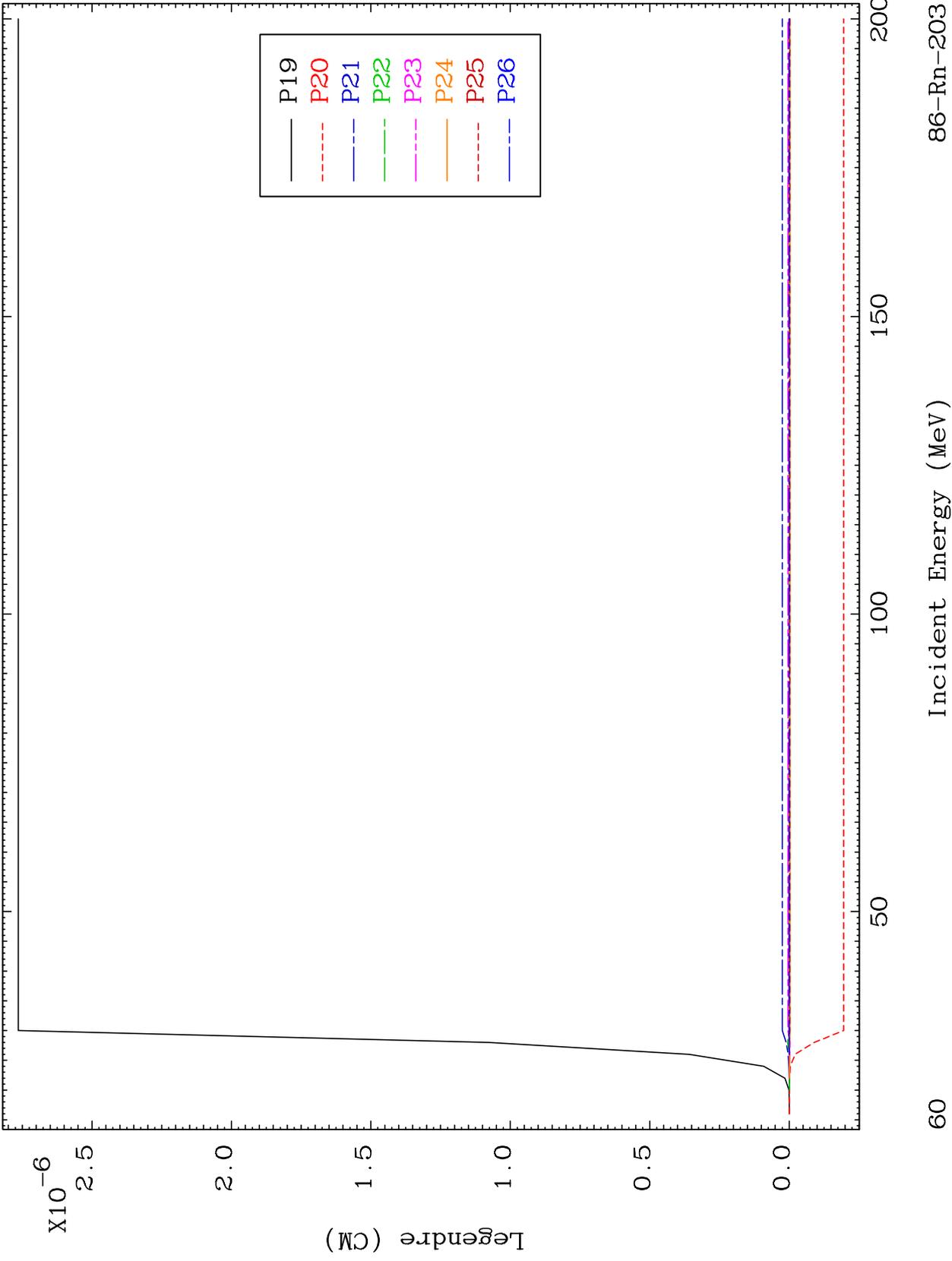
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



86-Rn-203

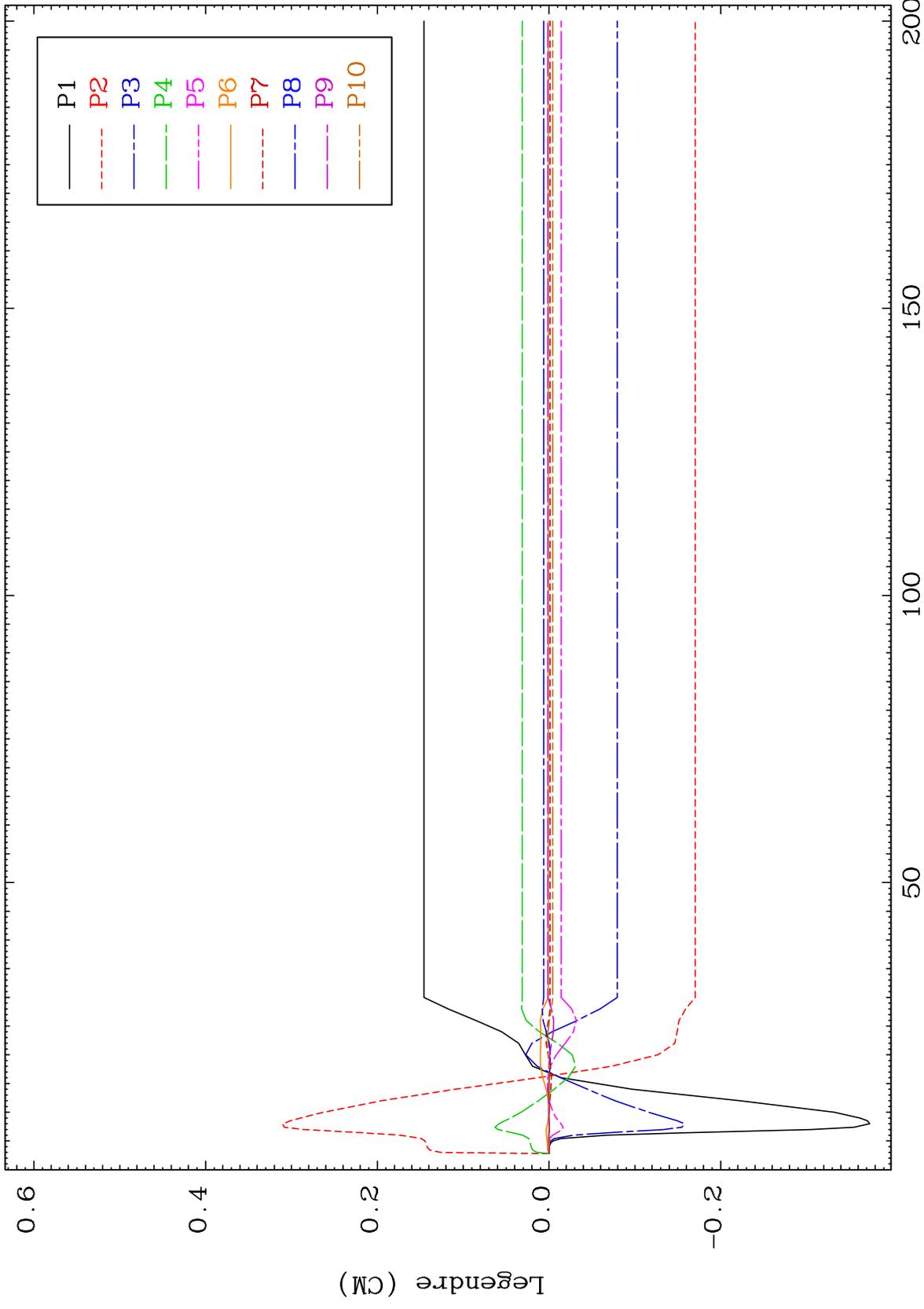
Incident Energy (MeV)

60

MAT 8601

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

86-Rn-203



61

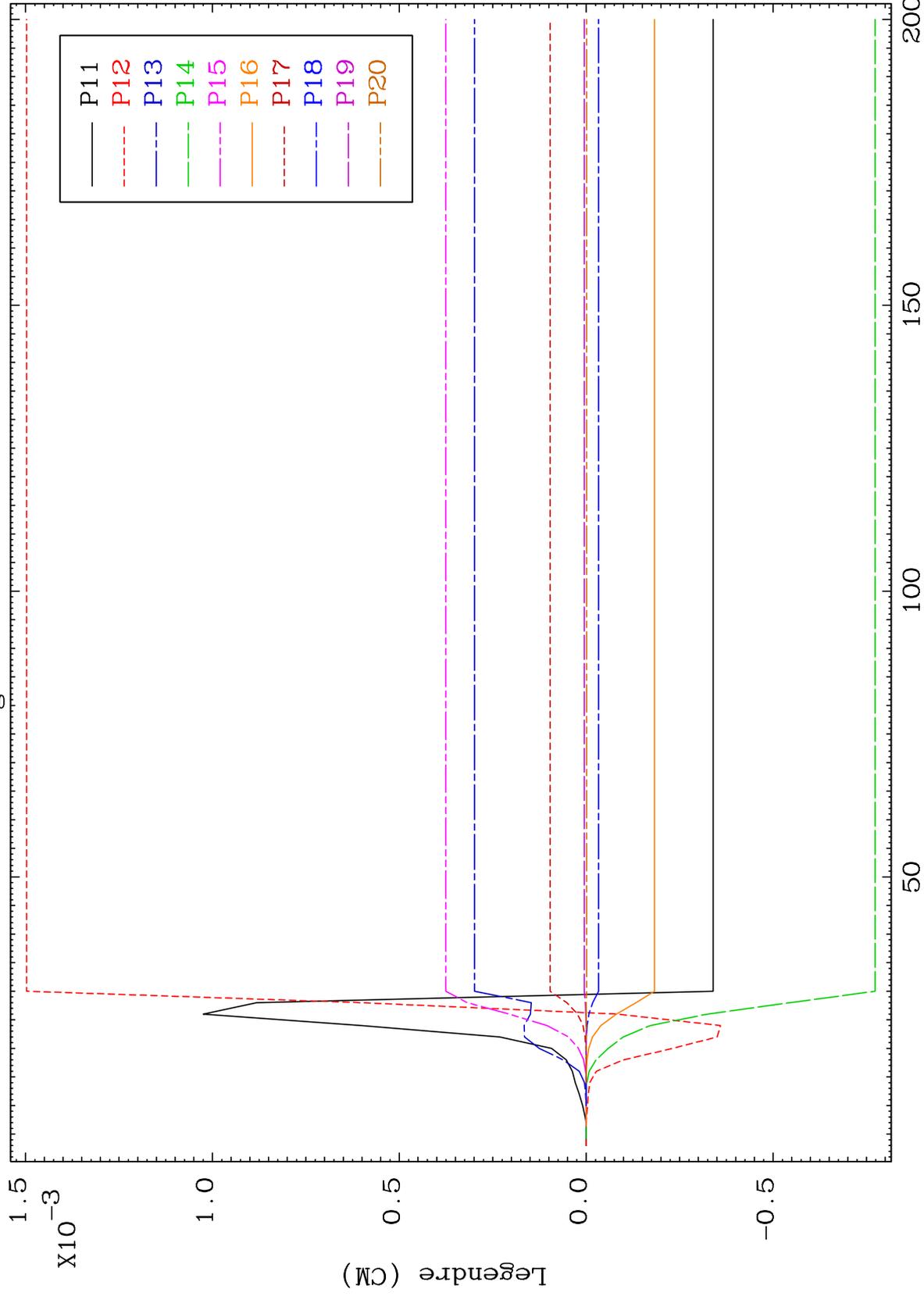
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



62

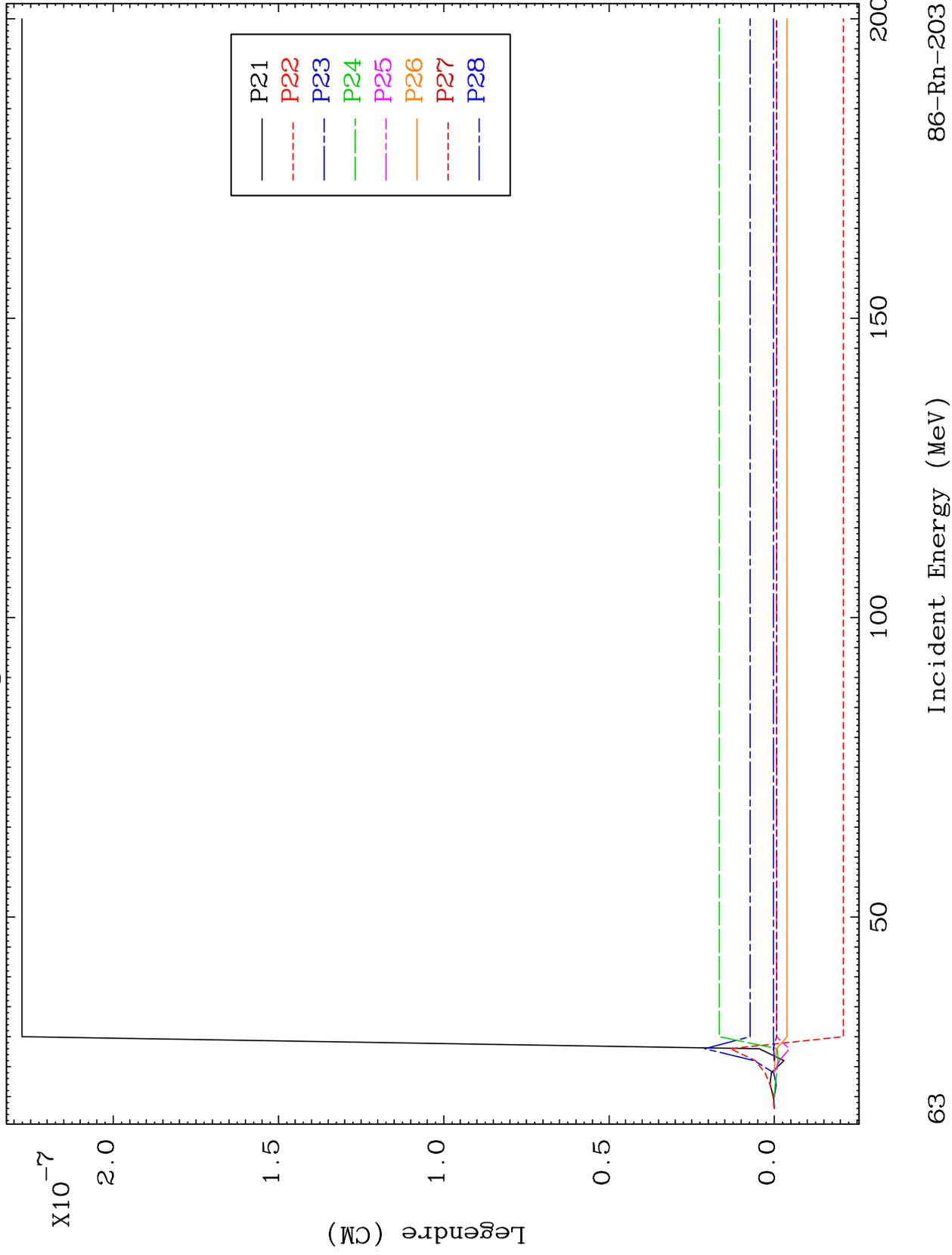
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



63

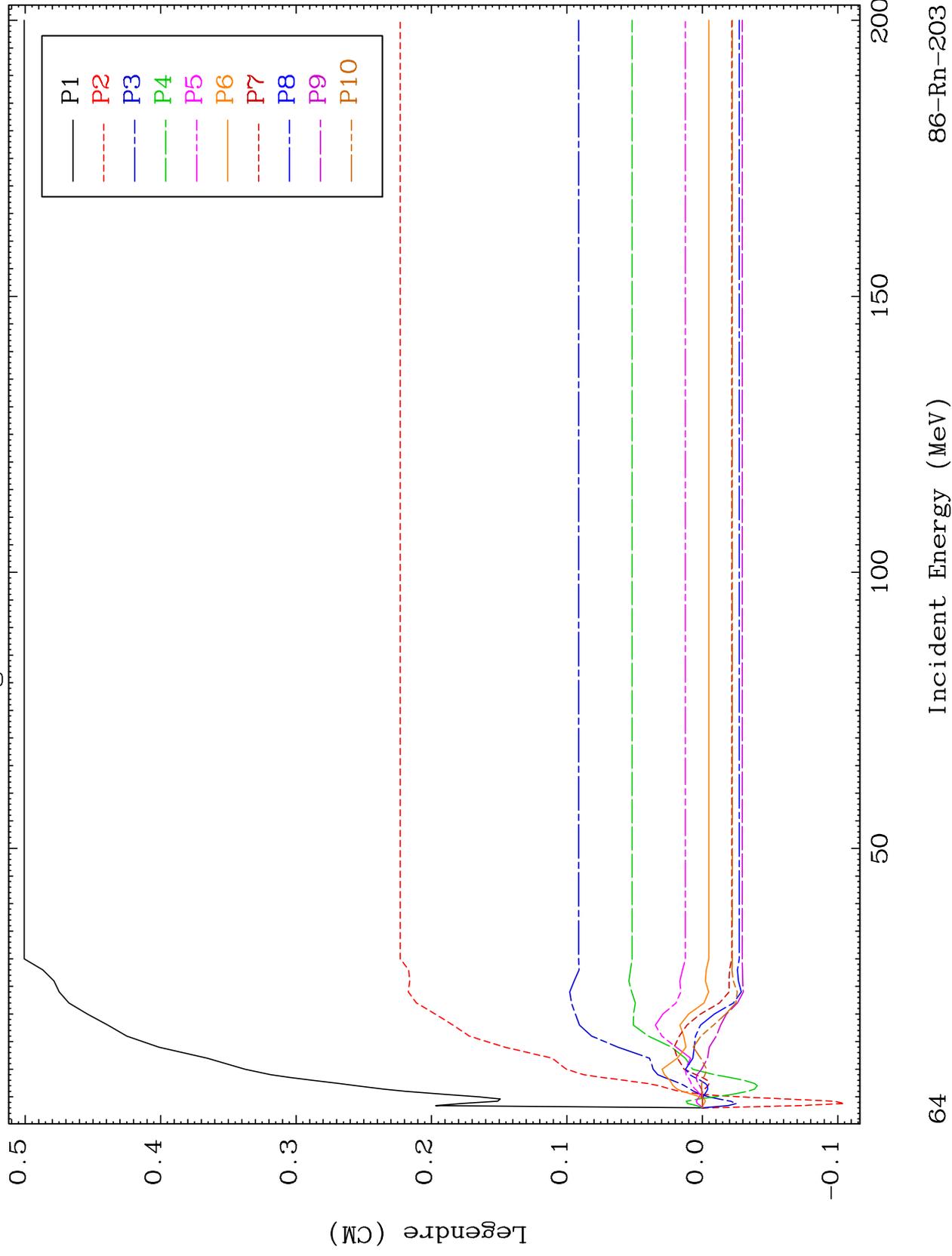
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



86-Rn-203

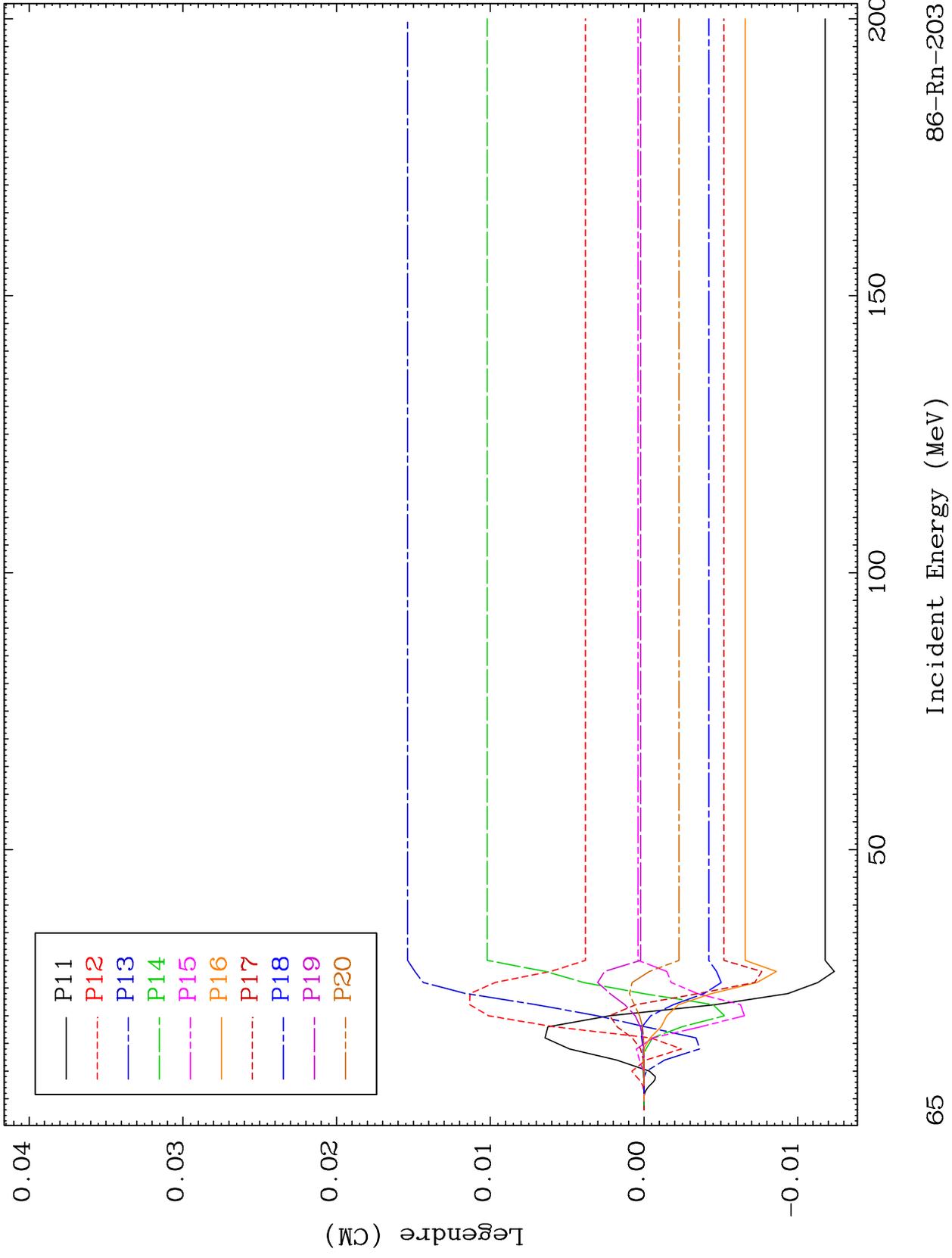
Incident Energy (MeV)

64

MAT 8601

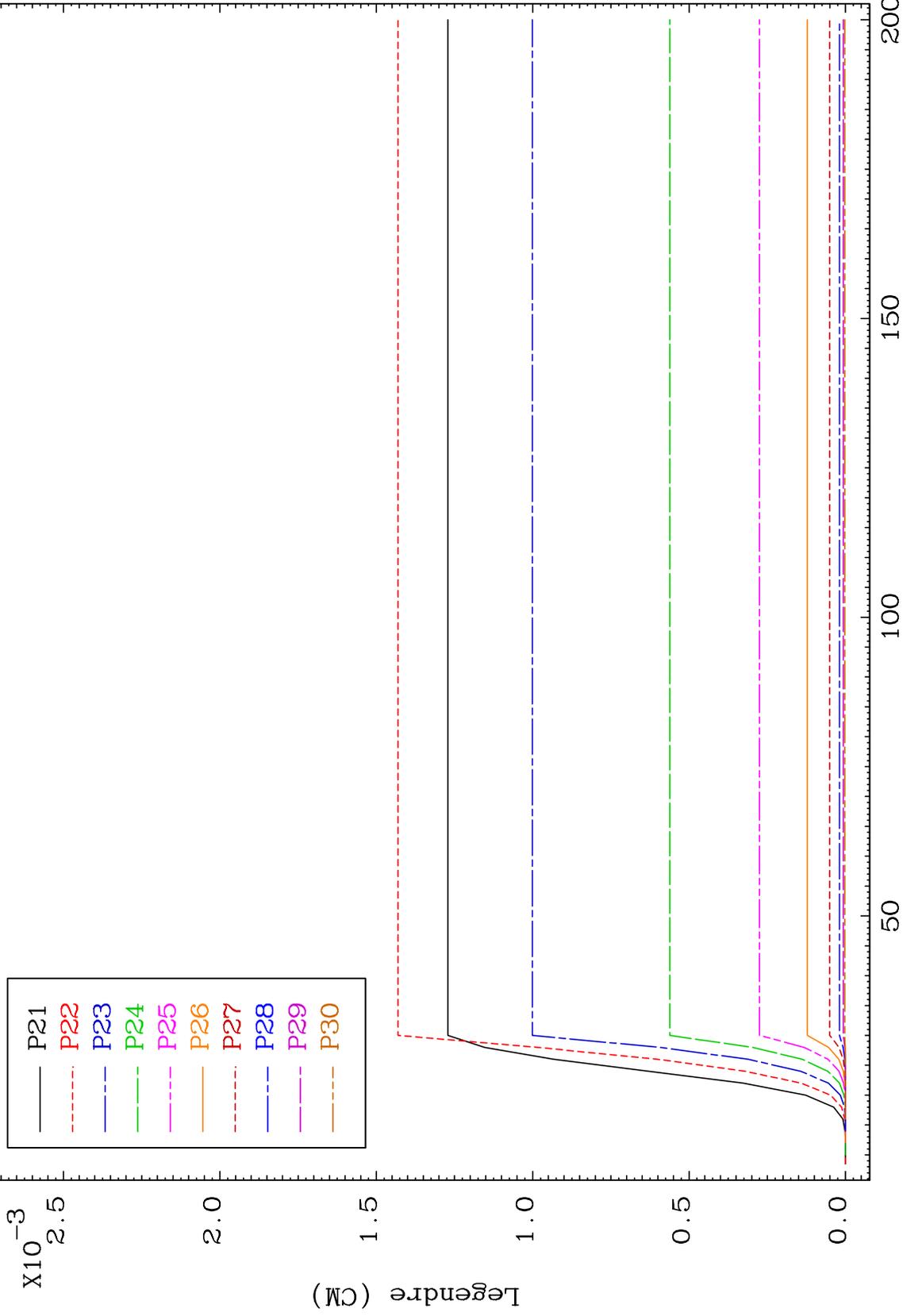
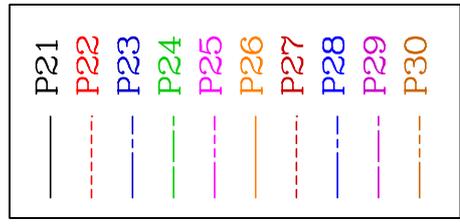
MT= 63 (n,n') Level  
Legendre Coefficients

86-Rn-203



65

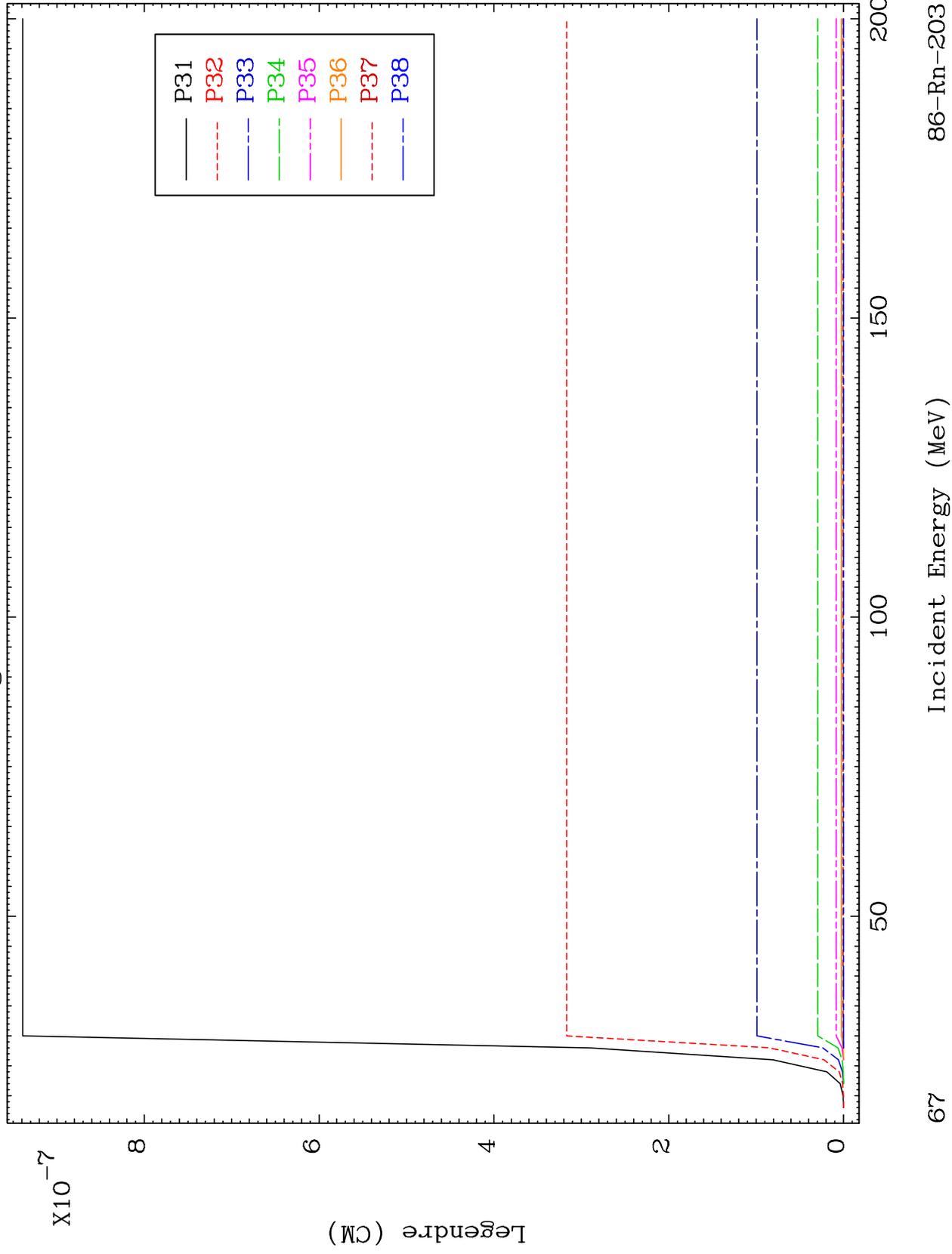
86-Rn-203



MAT 8601

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

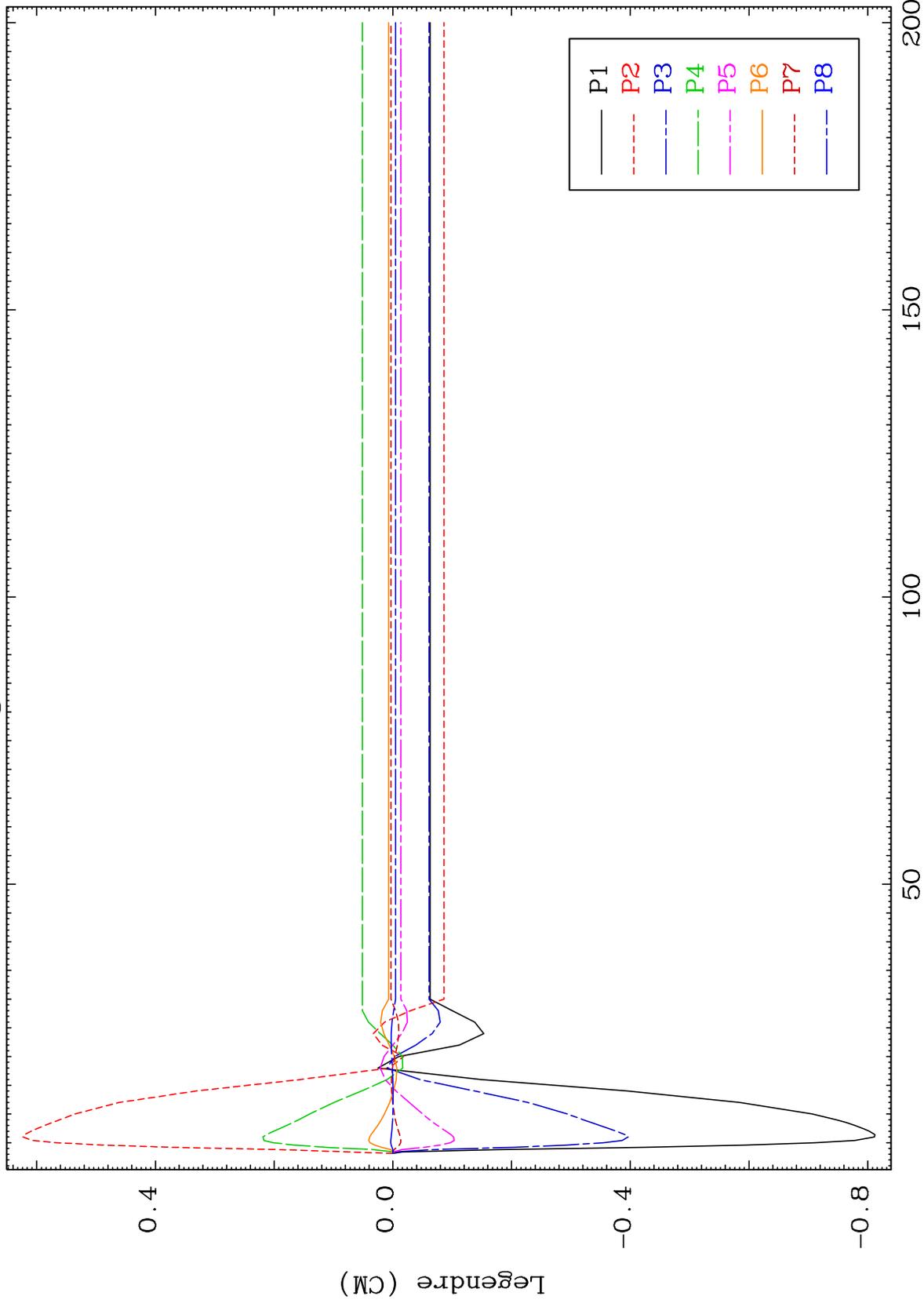
86-Rn-203



MAT 8601

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

86-Rn-203



68

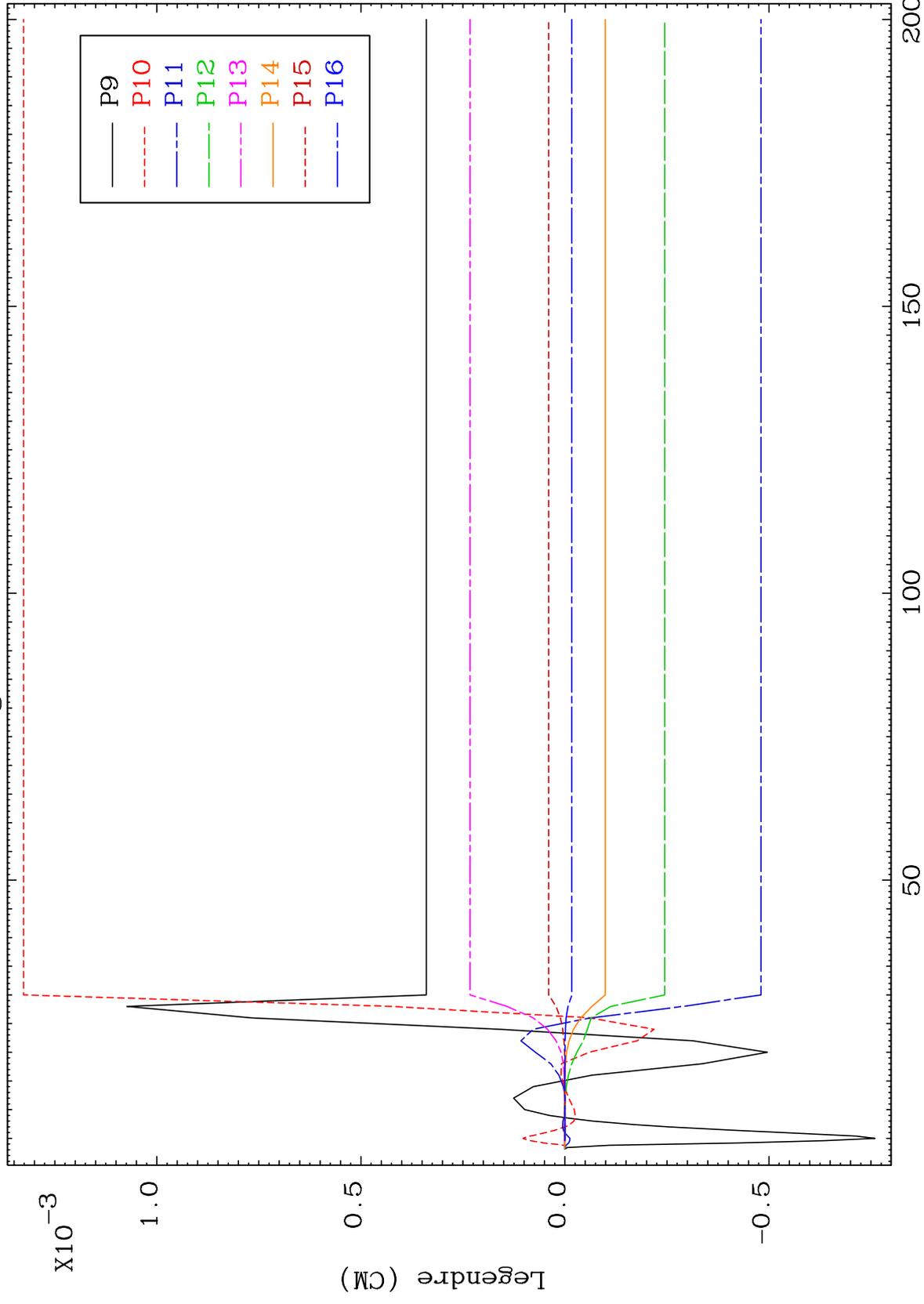
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



69

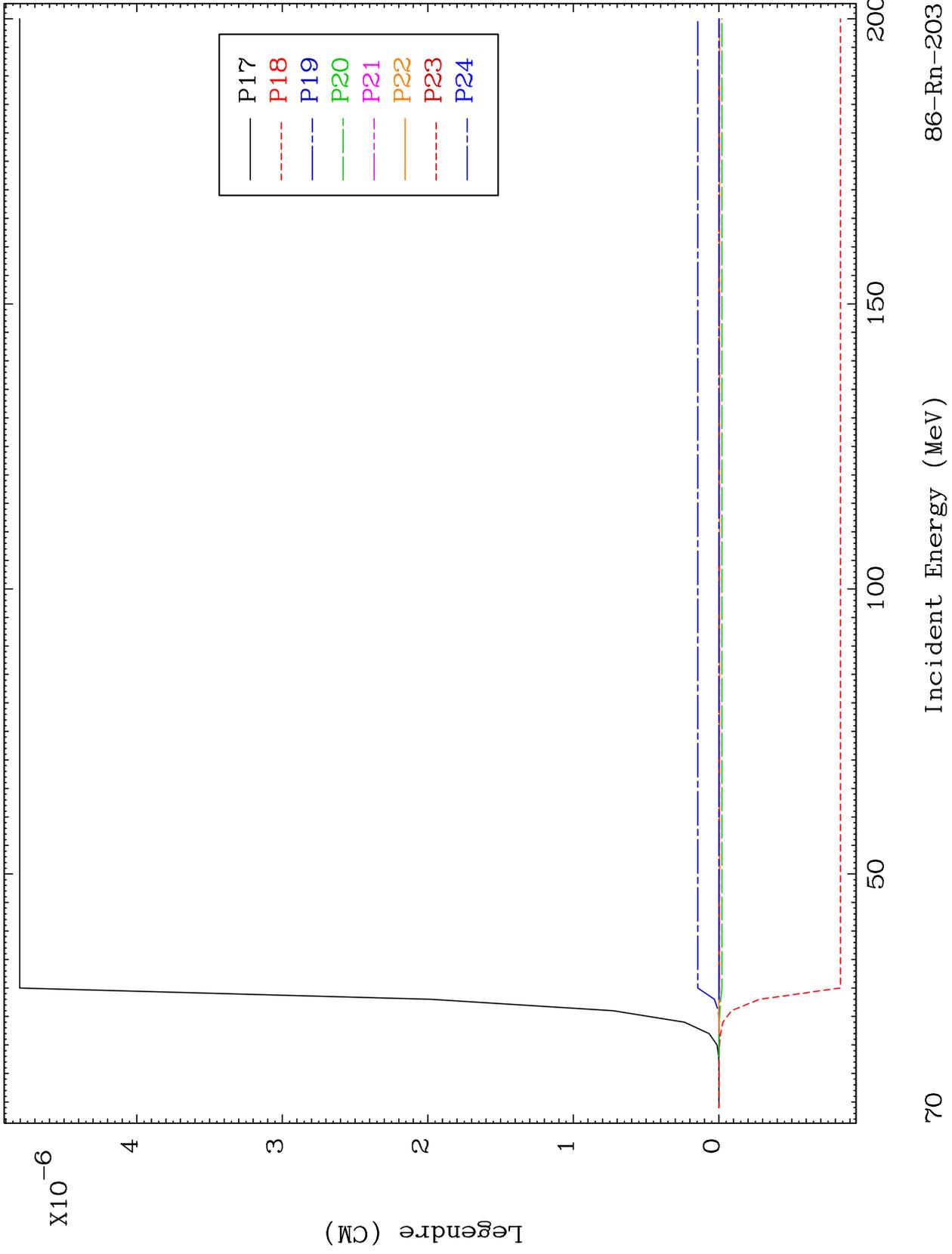
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

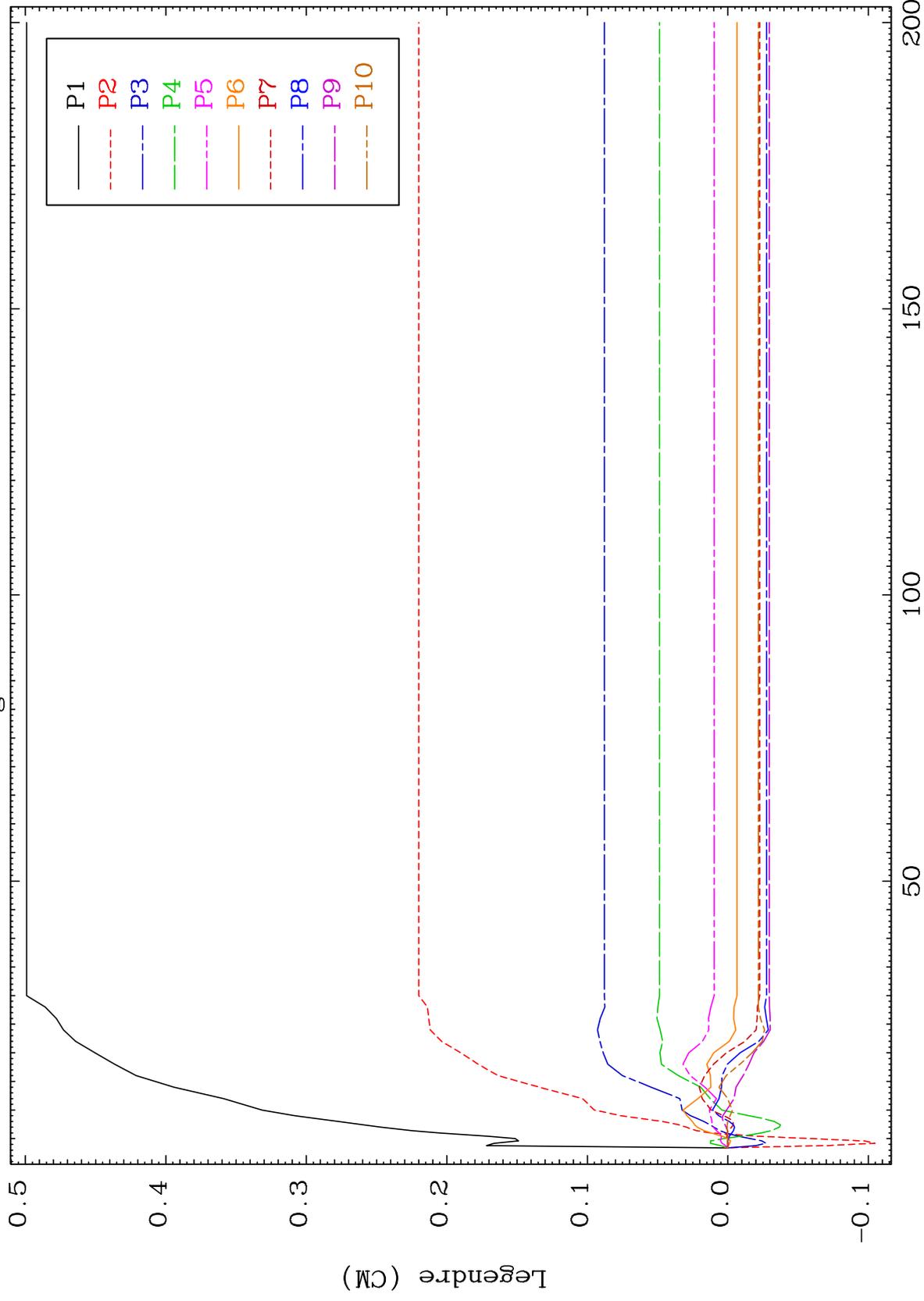
86-Rn-203



MAT 8601

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

86-Rn-203



71

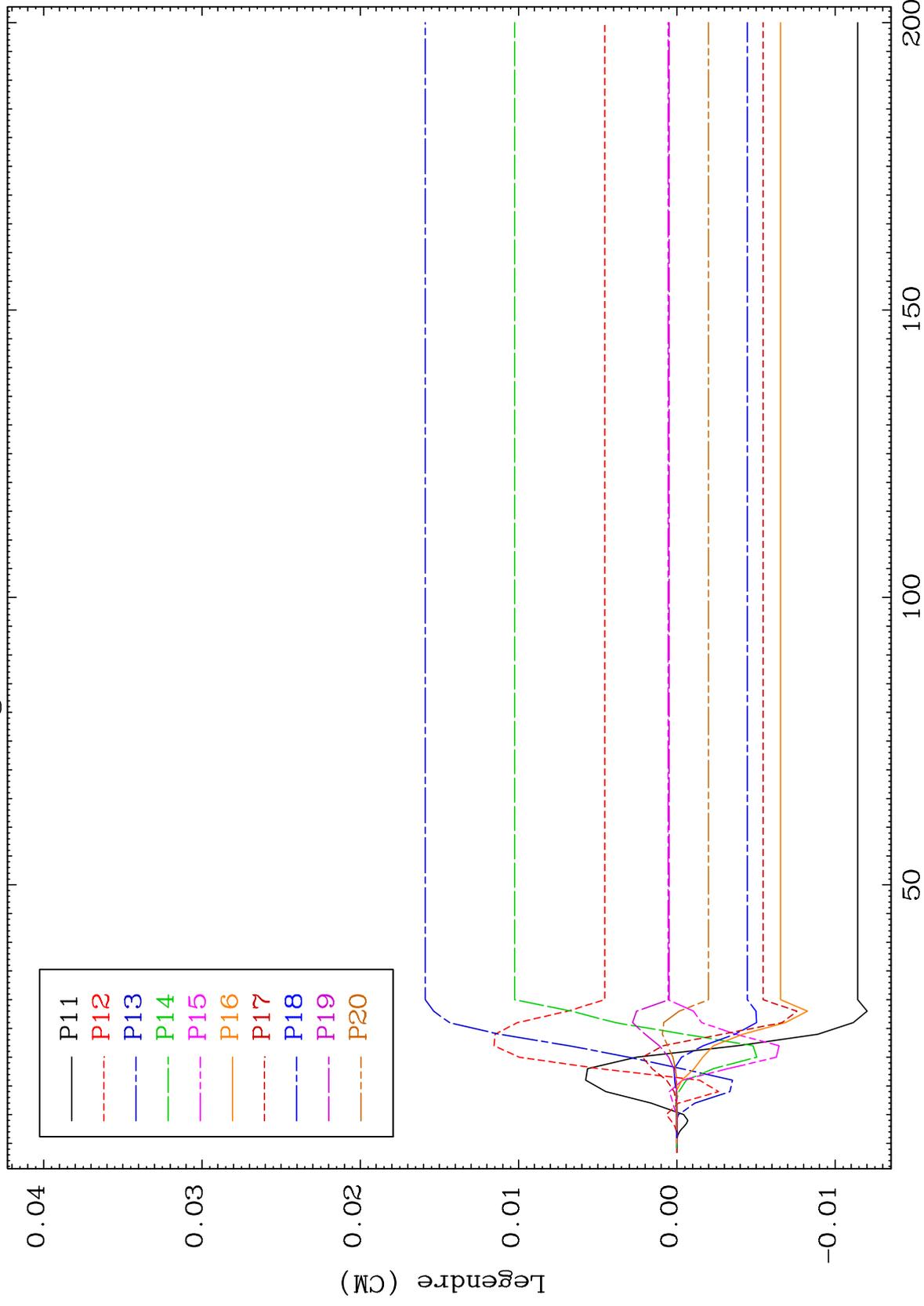
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



72

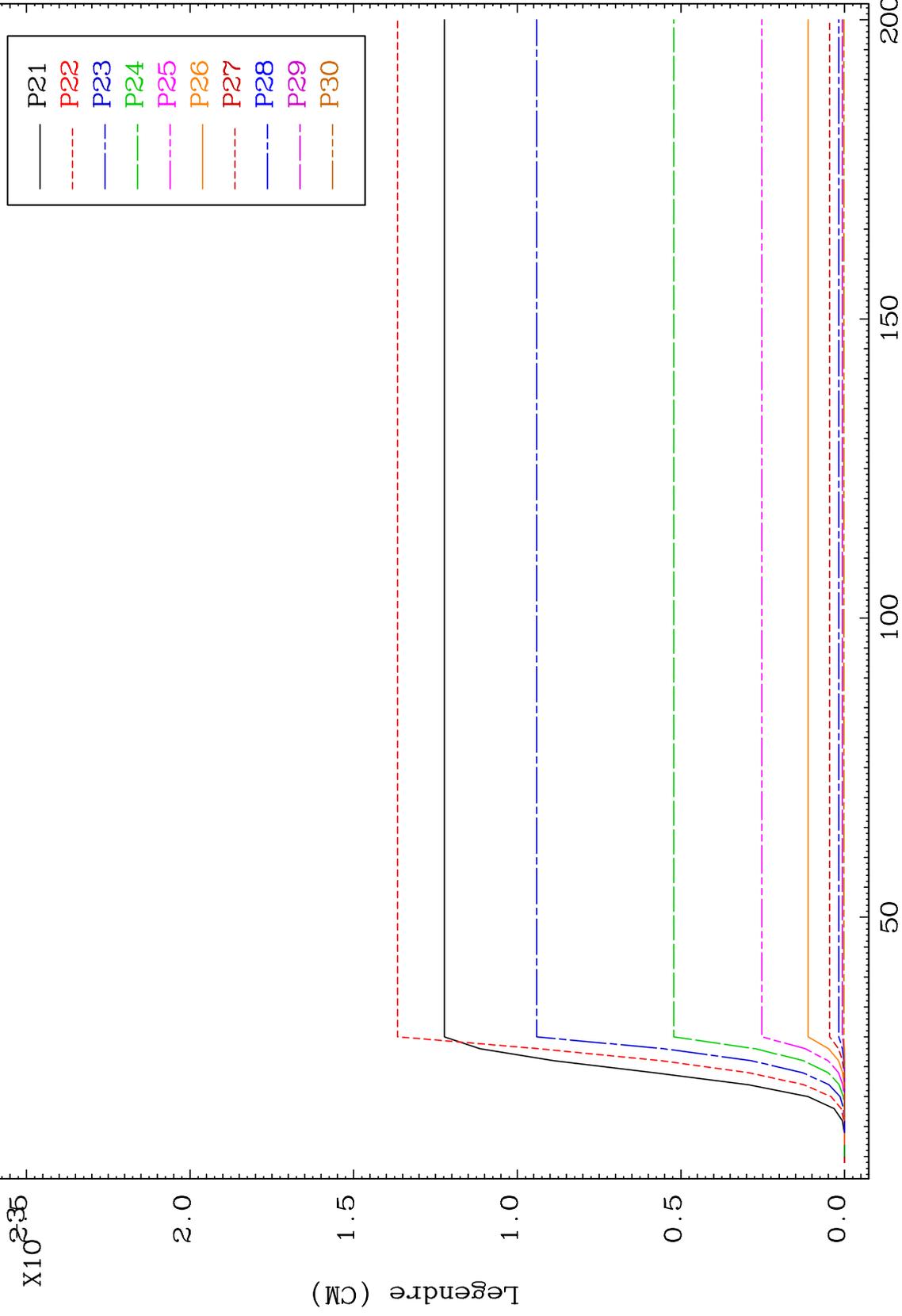
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



73

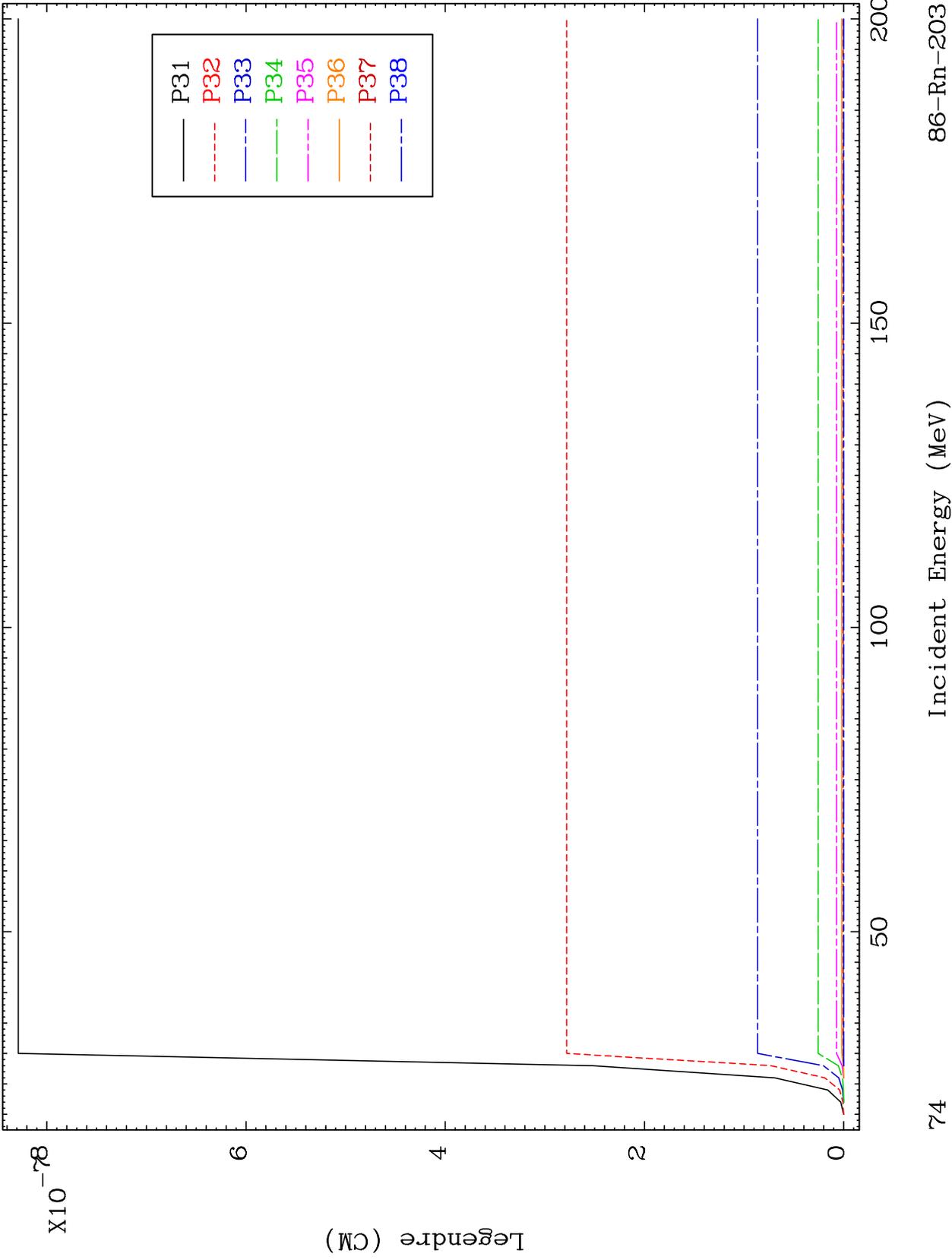
Incident Energy (MeV)

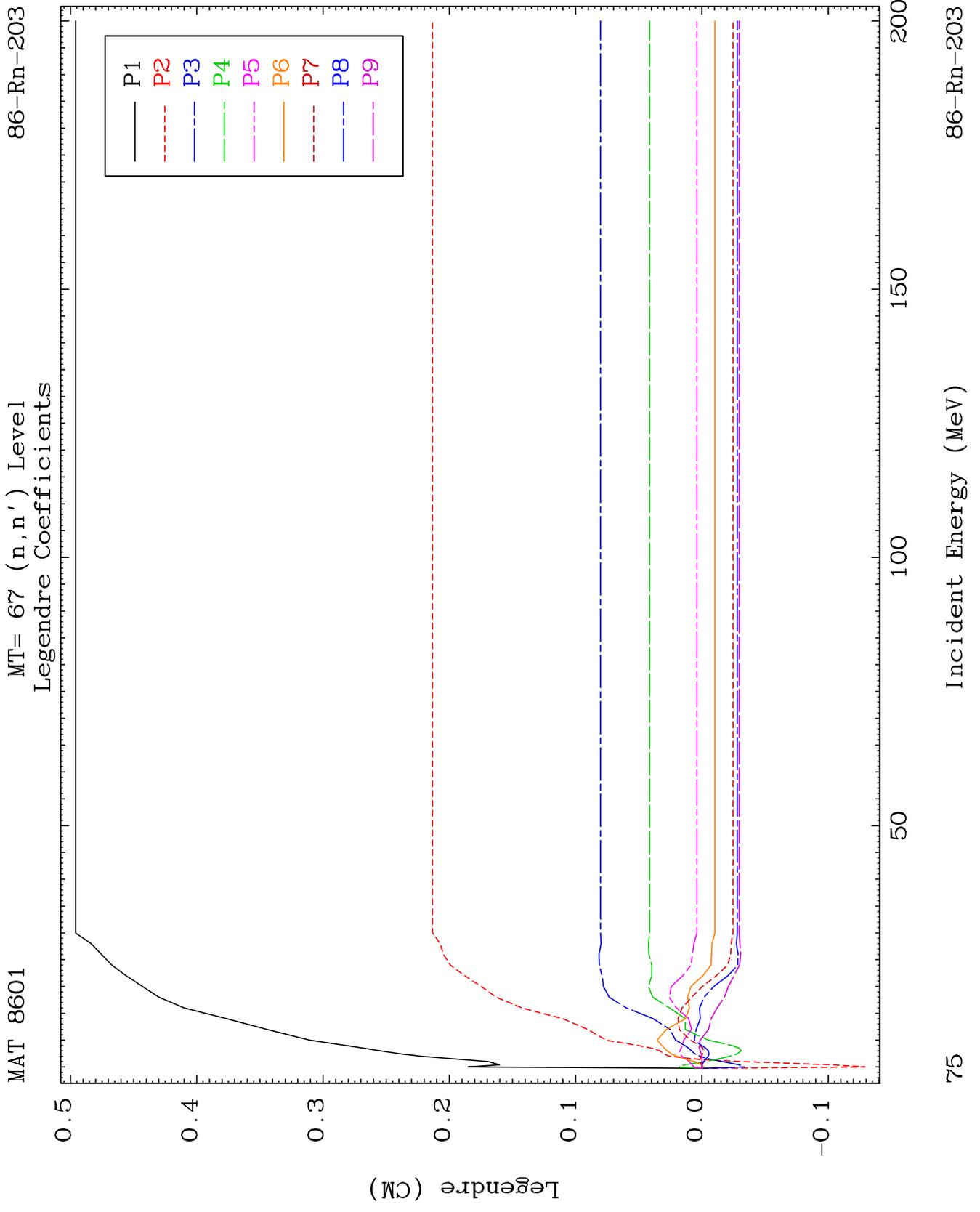
86-Rn-203

MAT 8601

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

86-Rn-203

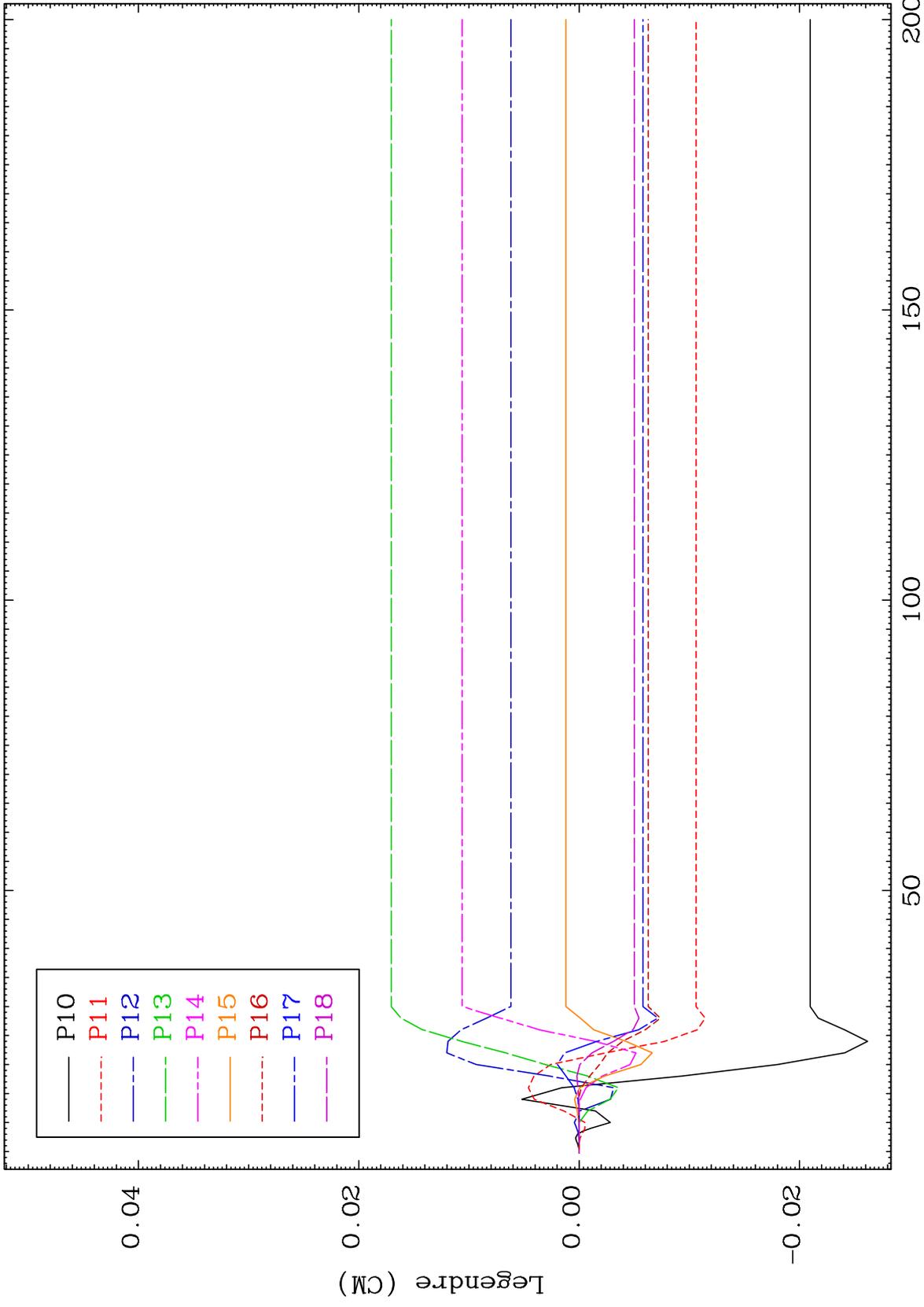




MAT 8601

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

86-Rn-203



76

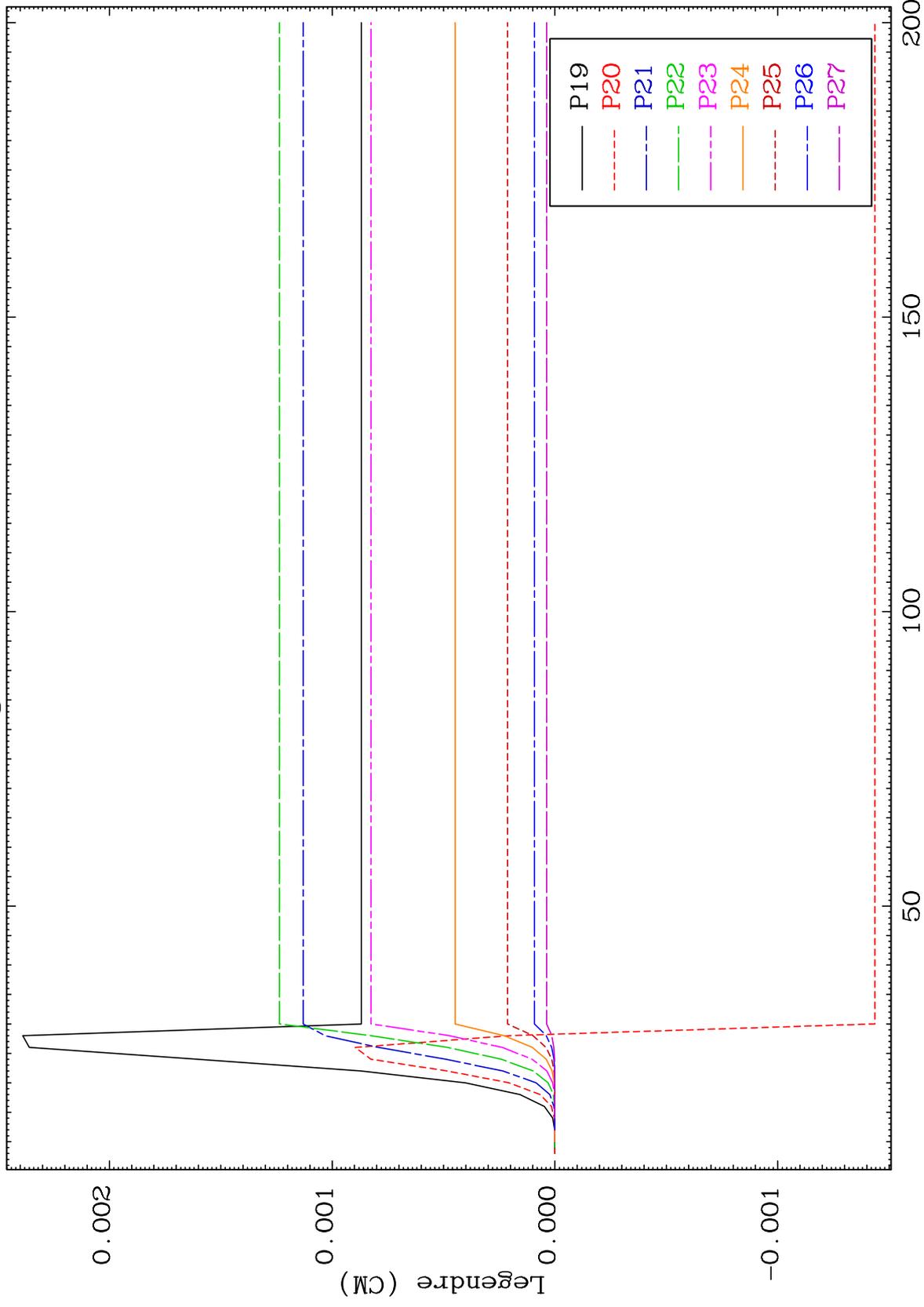
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



77

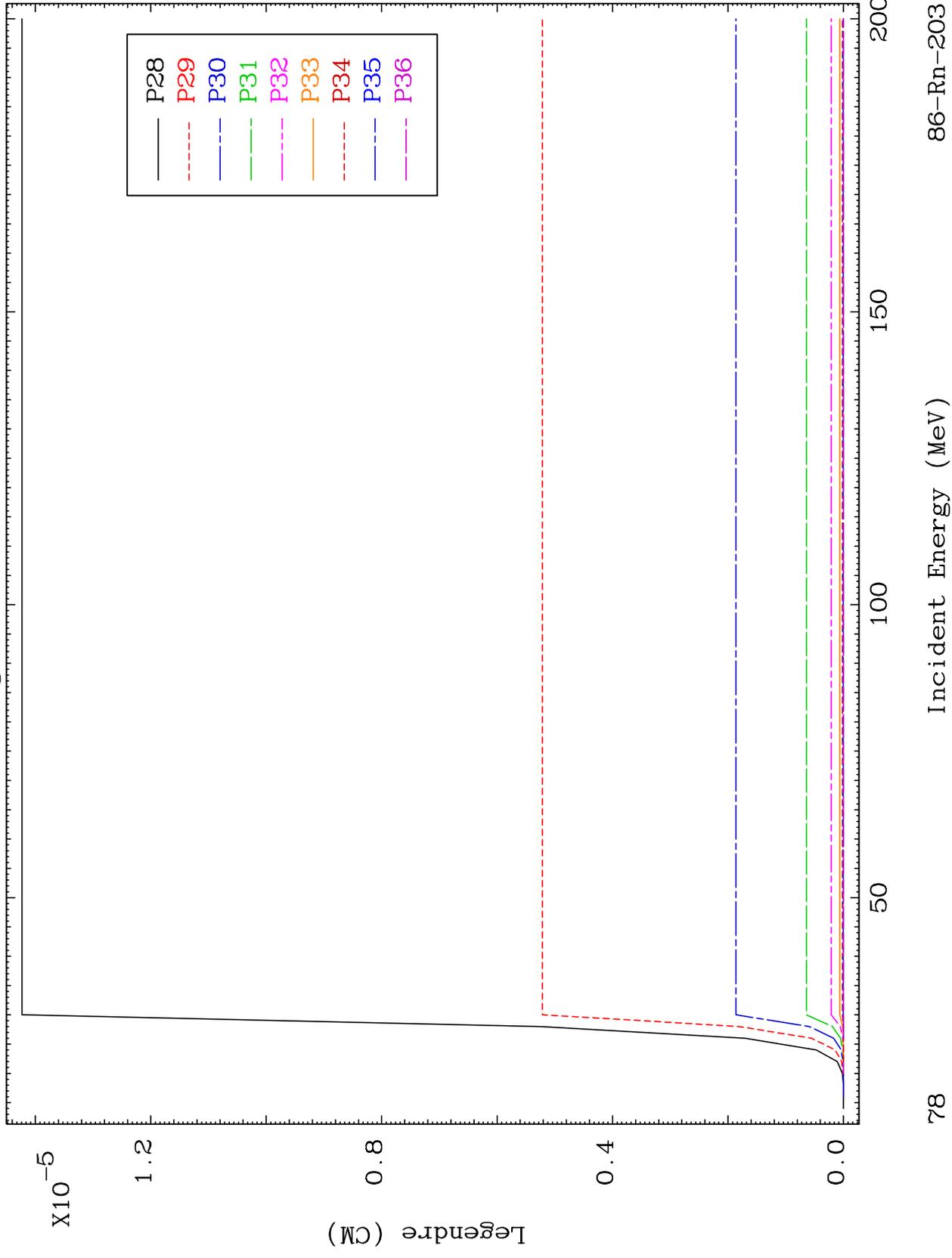
Incident Energy (MeV)

86-Rn-203

MAT 8601

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

86-Rn-203



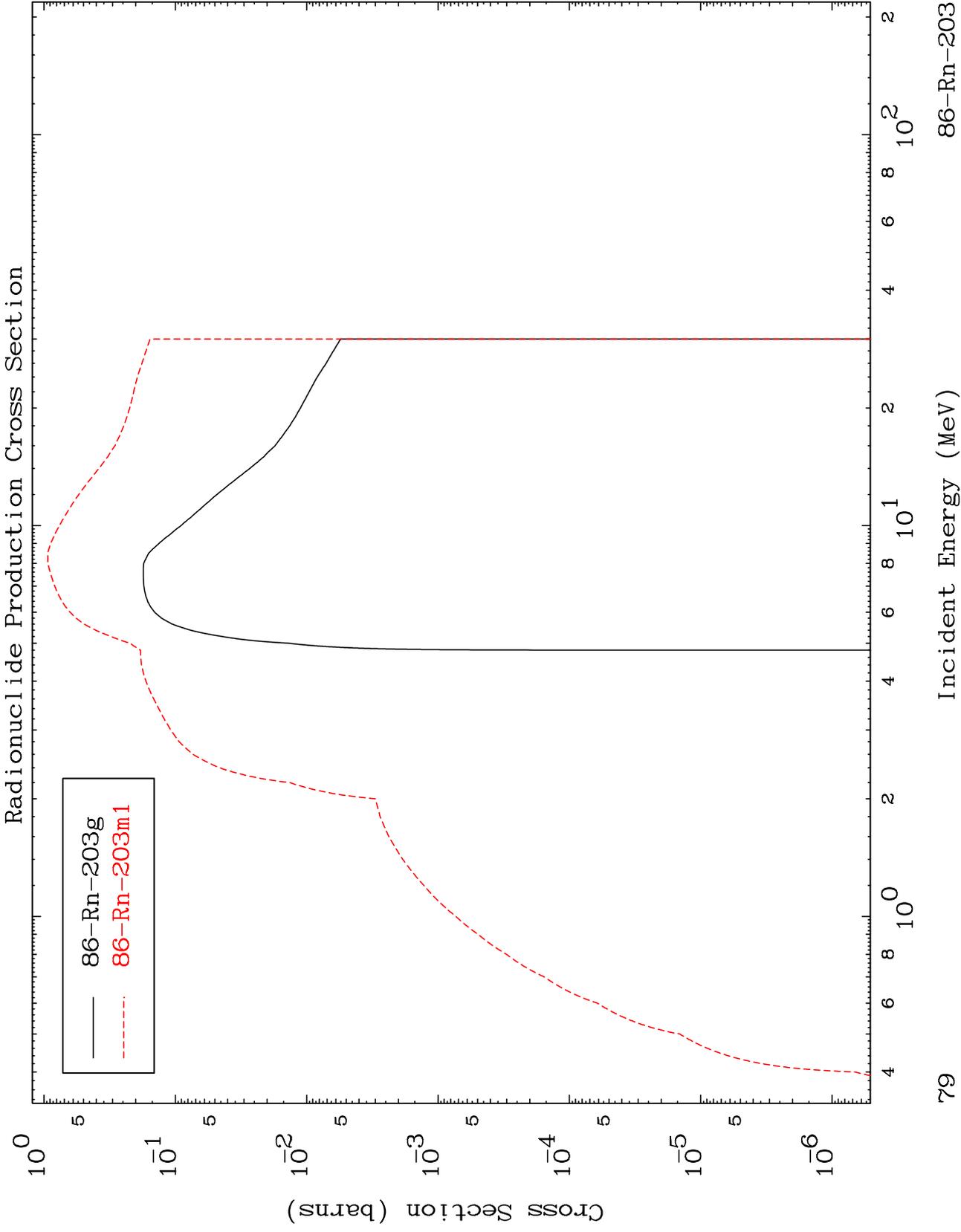
78

Incident Energy (MeV)

86-Rn-203

MAT 8601

86-Rn-203

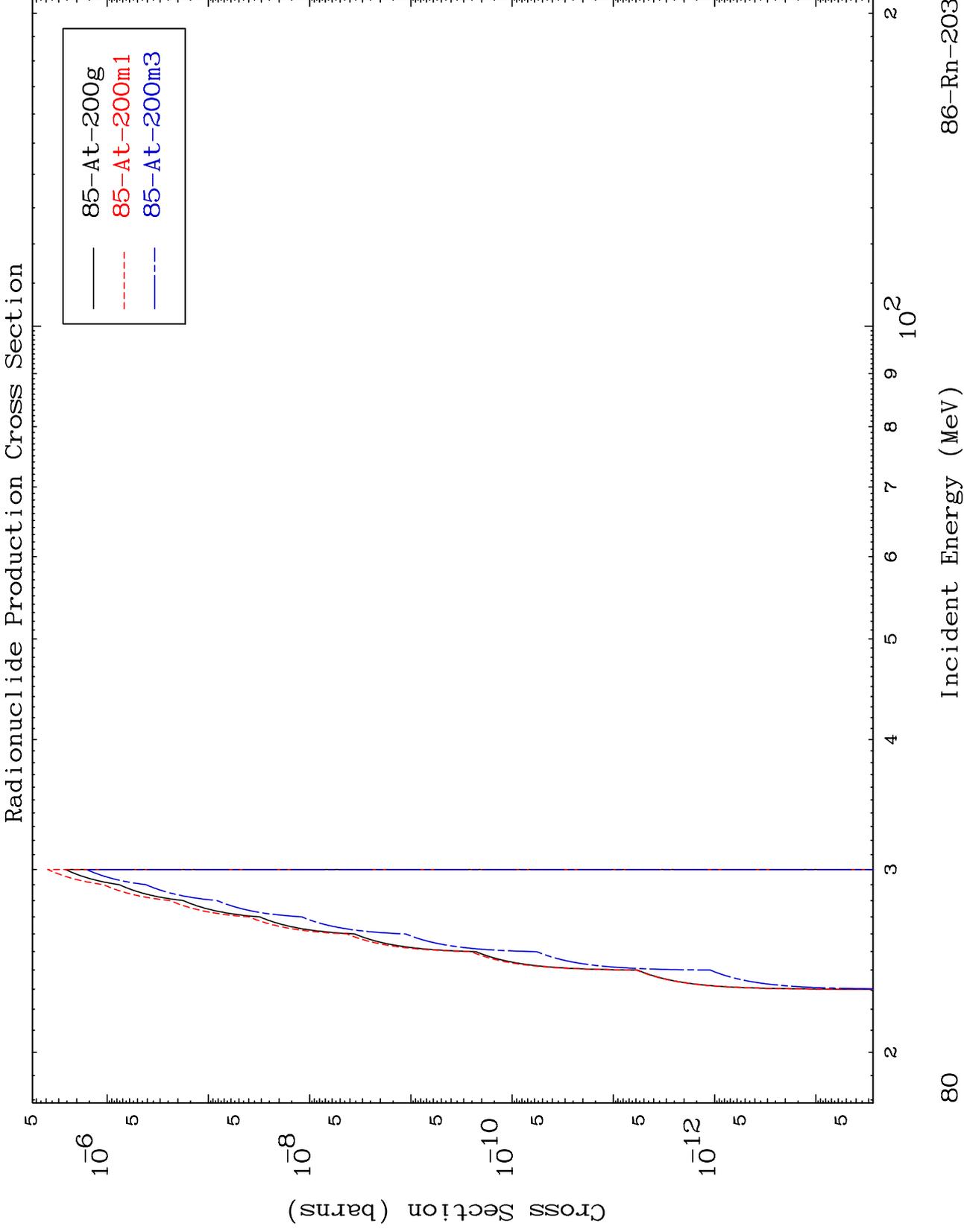


79

MAT 8601

(n,2n) d

86-Rn-203



80

Incident Energy (MeV)

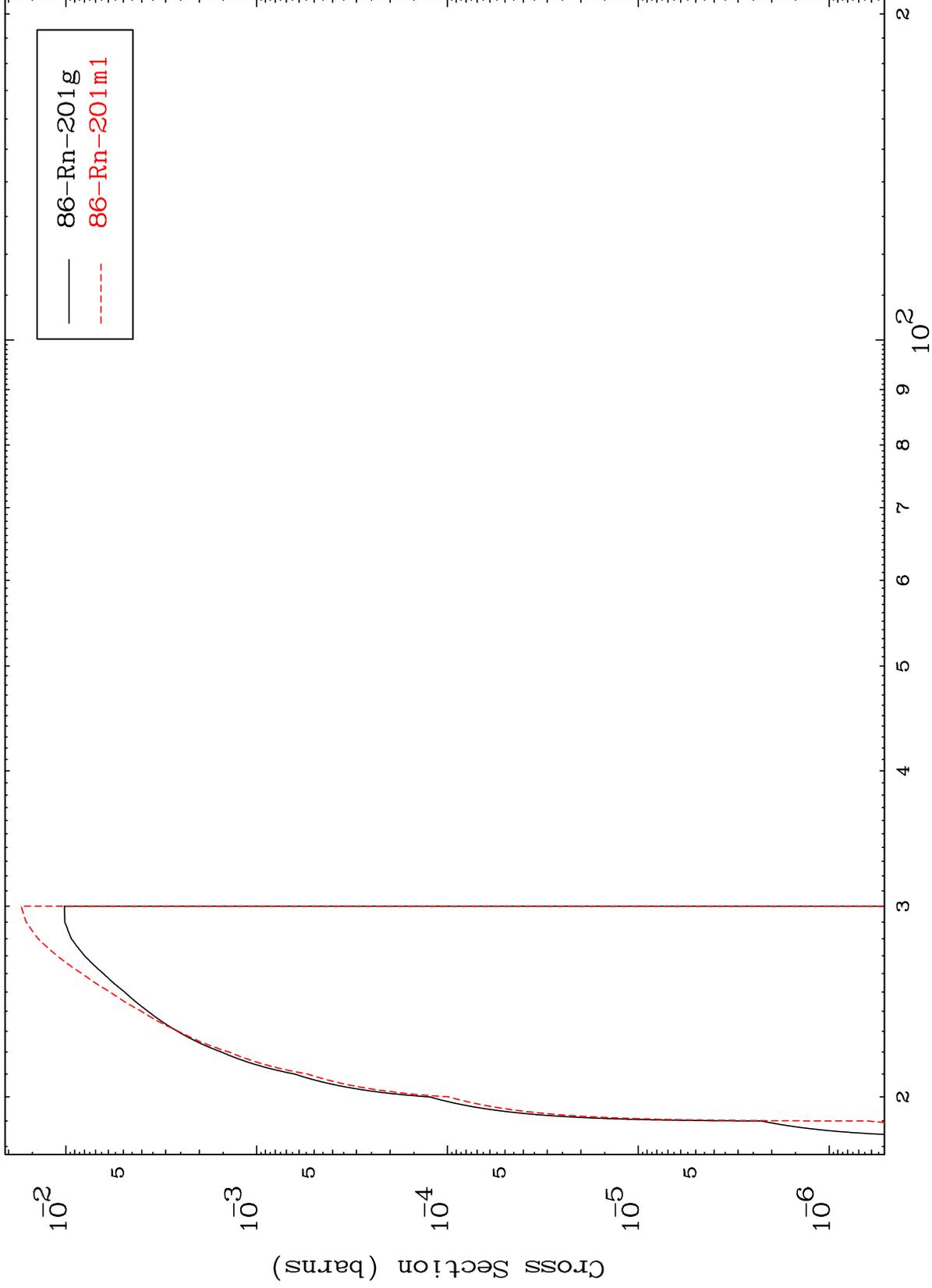
86-Rn-203

MAT 8601

(n,3n)

86-Rn-203

Radionuclide Production Cross Section



81

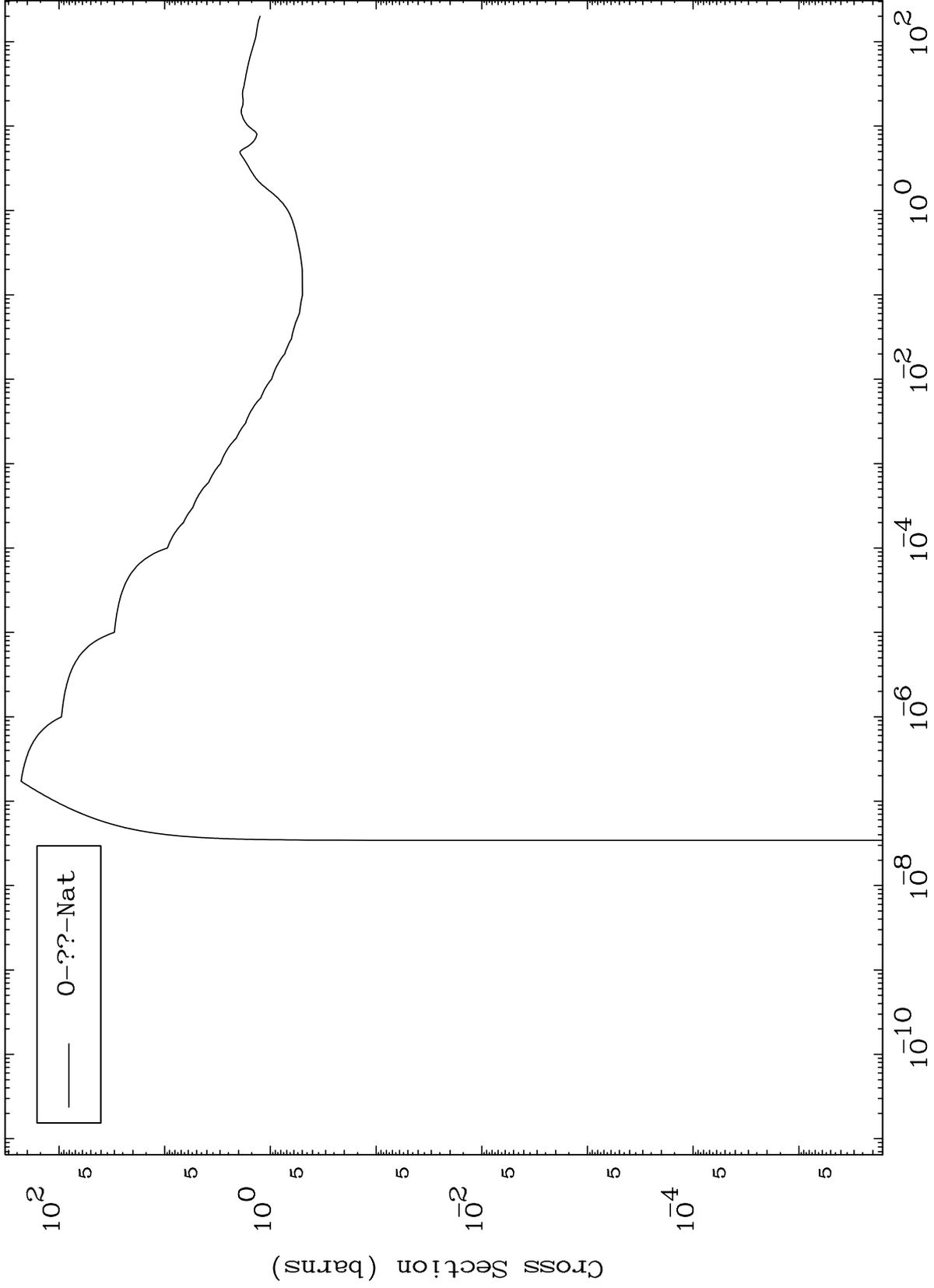
Incident Energy (MeV)

86-Rn-203

MAT 8601

86-Rn-203

Fission  
Radionuclide Production Cross Section



82

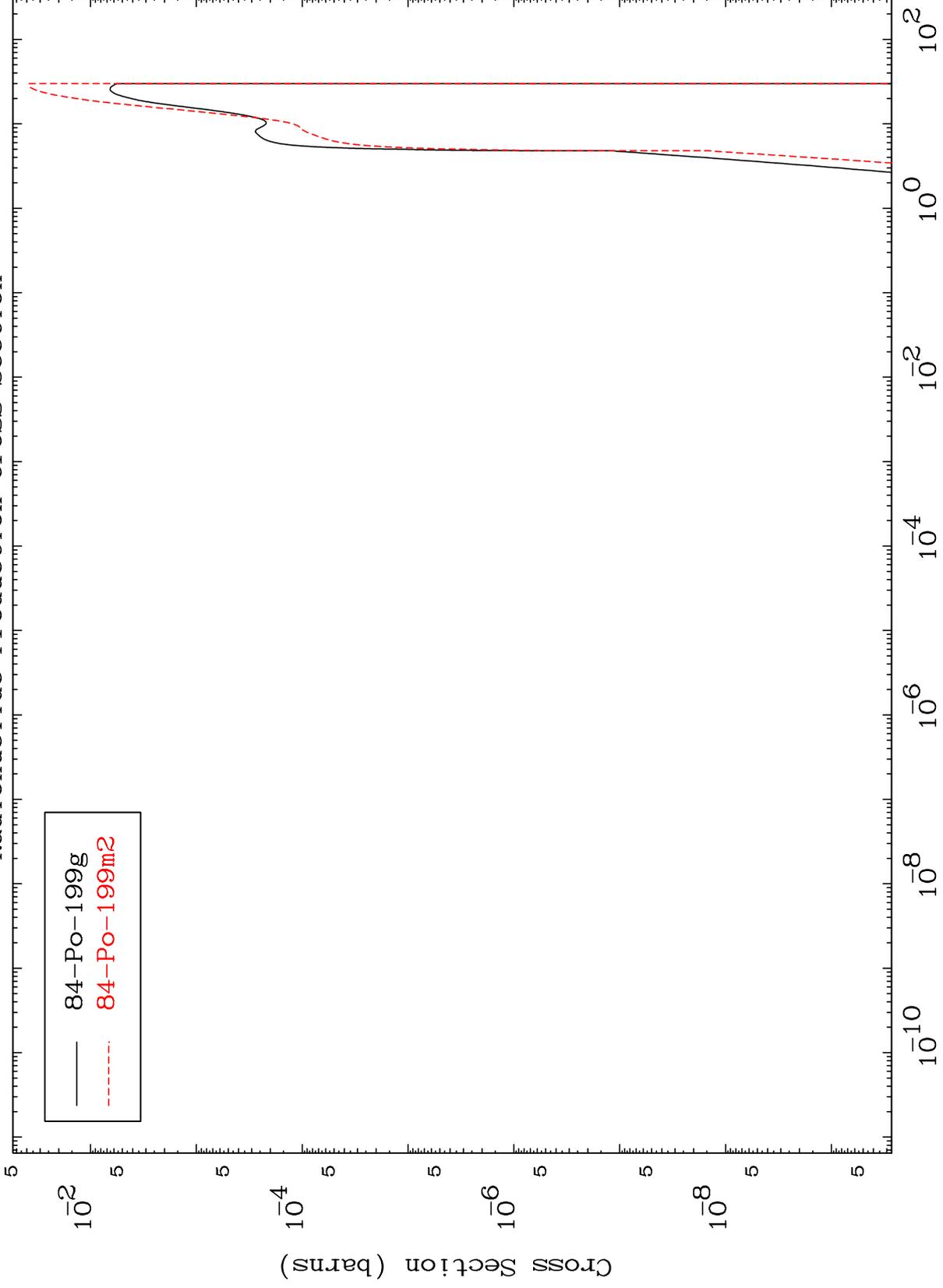
86-Rn-203

MAT 8601

$(n, n') \alpha$

86-Rn-203

Radionuclide Production Cross Section



83

Incident Energy (MeV)

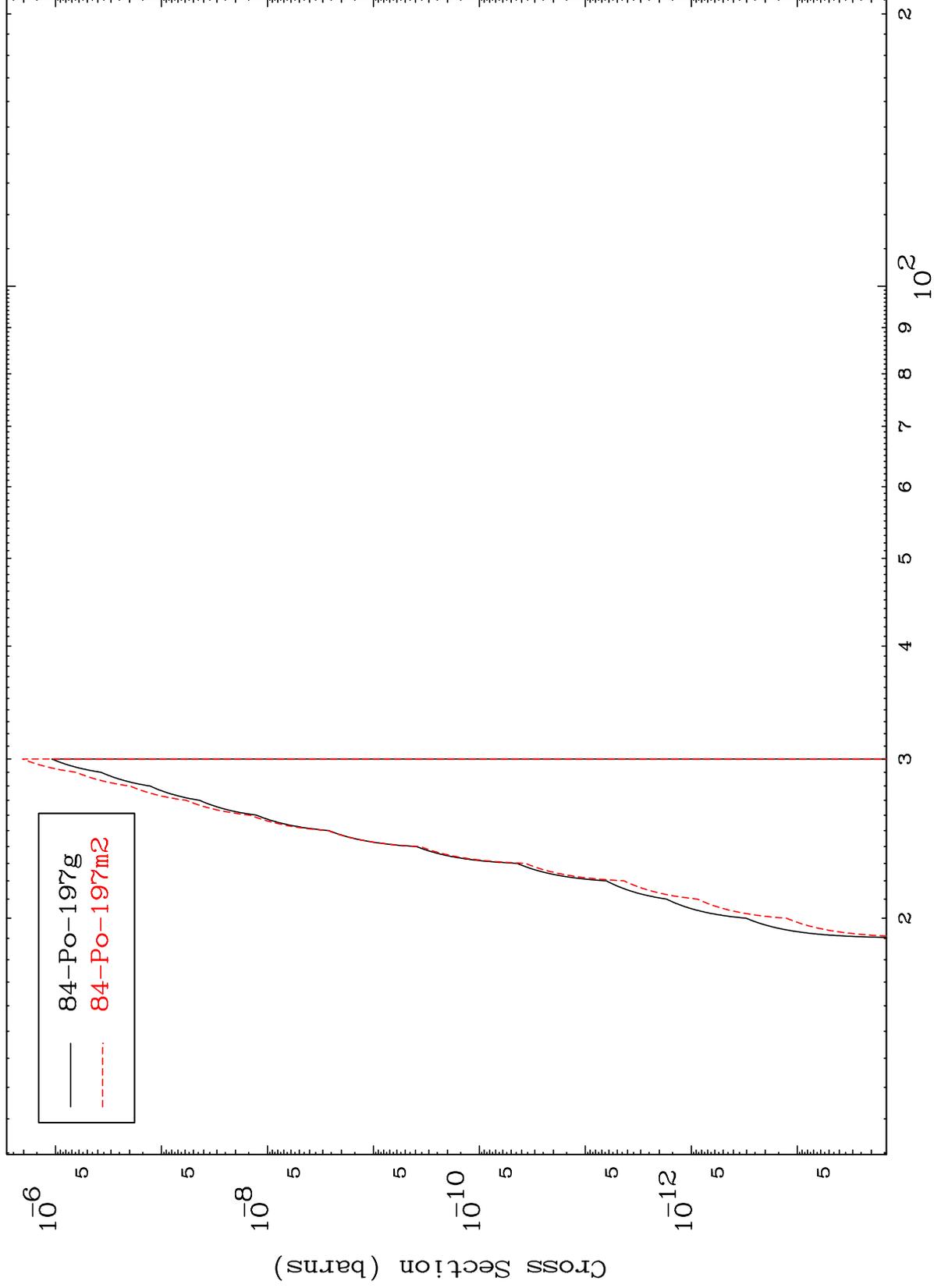
86-Rn-203

MAT 8601

(n,3n)  $\alpha$

86-Rn-203

Radionuclide Production Cross Section



84

Incident Energy (MeV)

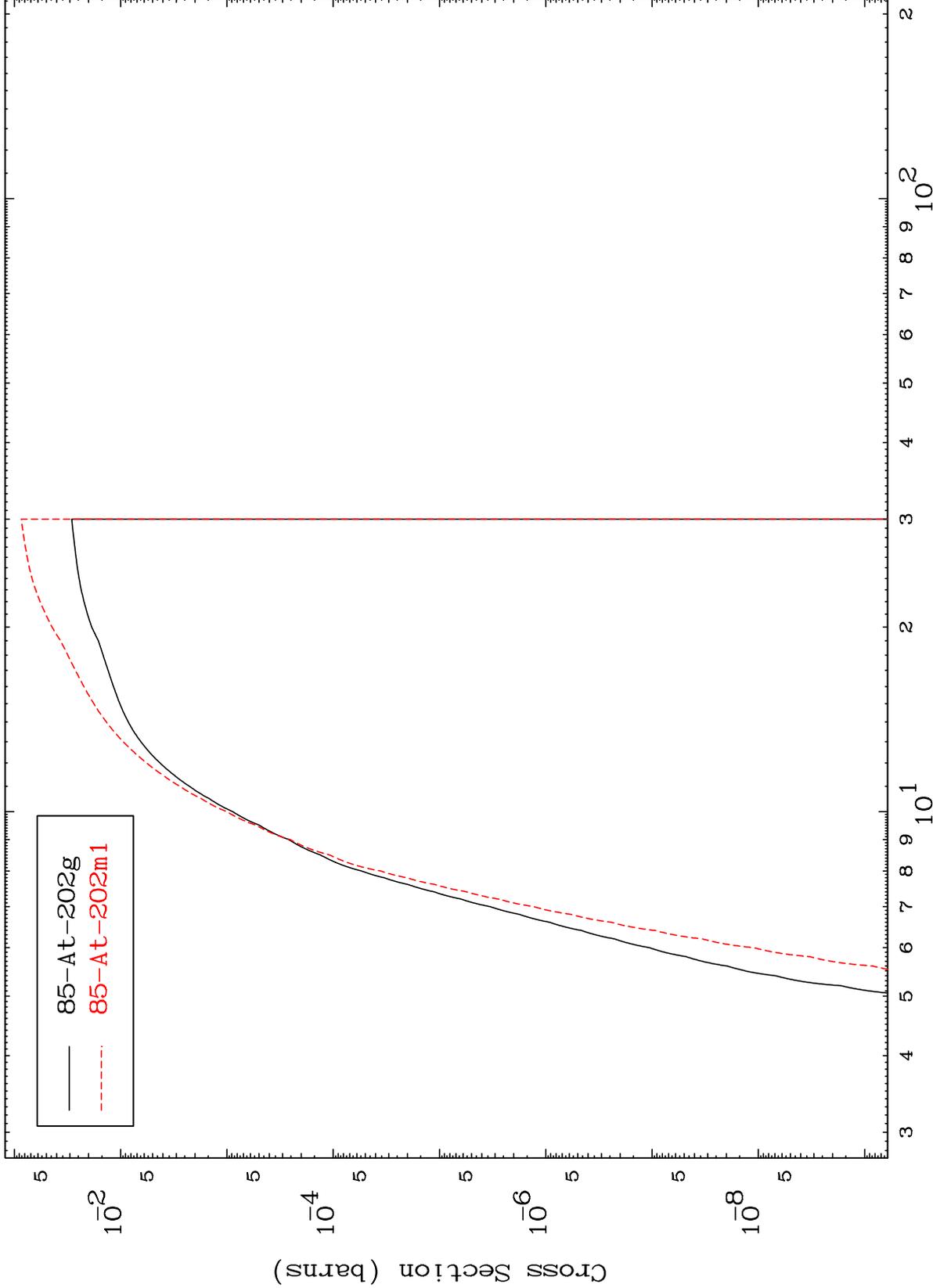
86-Rn-203

MAT 8601

(n,n') p

86-Rn-203

Radionuclide Production Cross Section



85-At-202g  
85-At-202m1

85

Incident Energy (MeV)

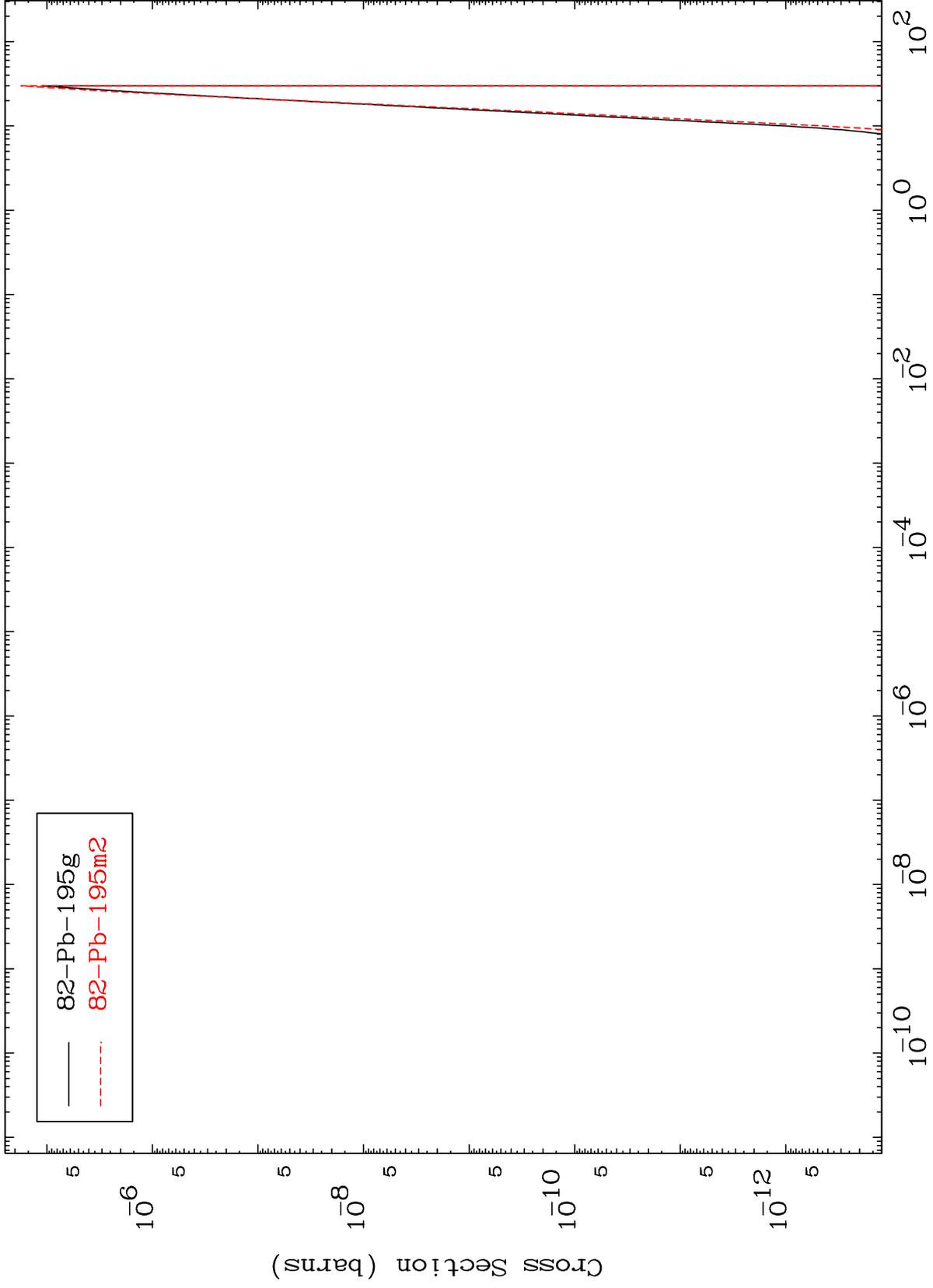
86-Rn-203

MAT 8601

(n,n') 2 $\alpha$

86-Rn-203

Radionuclide Production Cross Section



86

Incident Energy (MeV)

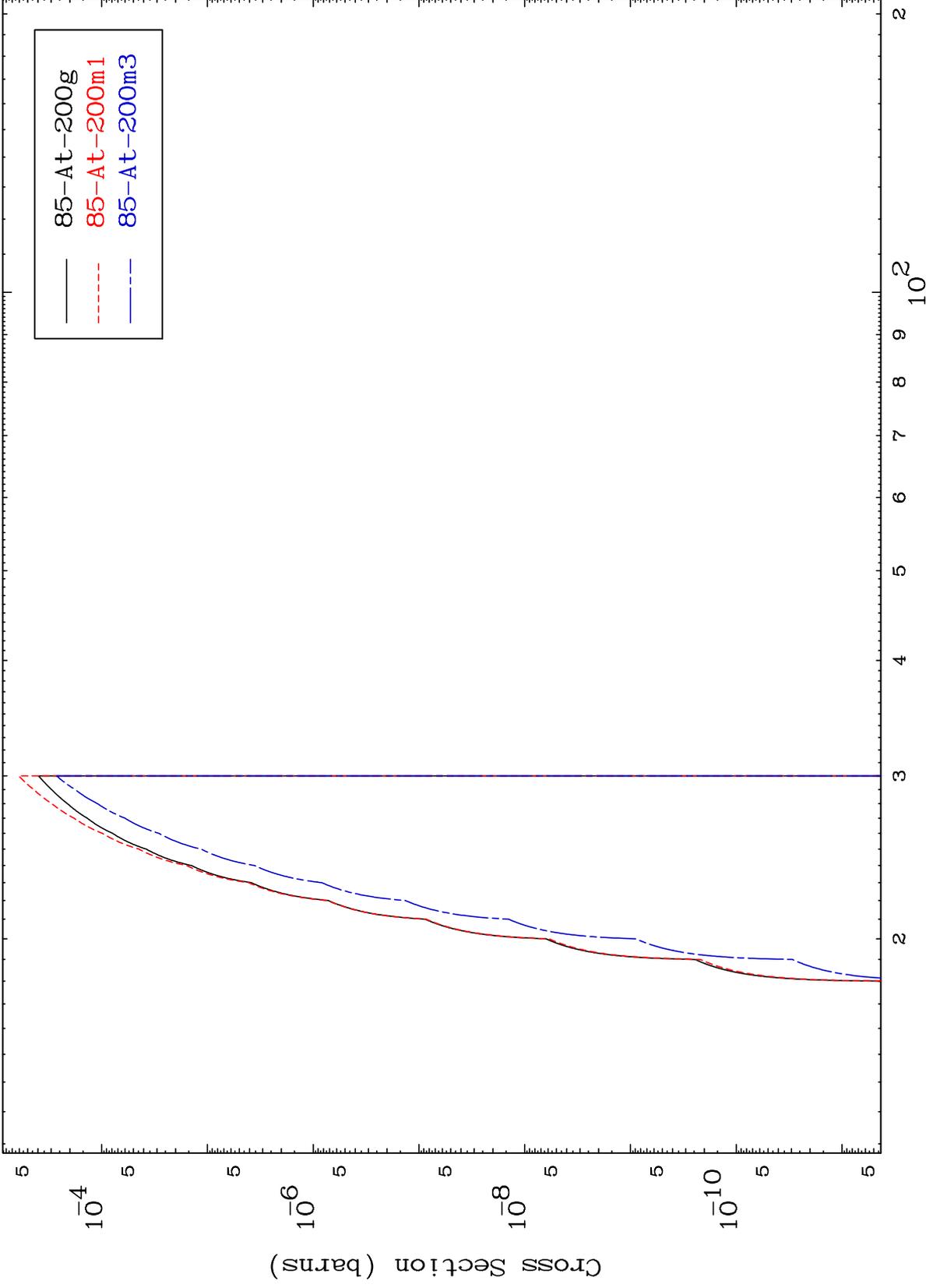
86-Rn-203

MAT 8601

(n,n') t

86-Rn-203

Radionuclide Production Cross Section



87

Incident Energy (MeV)

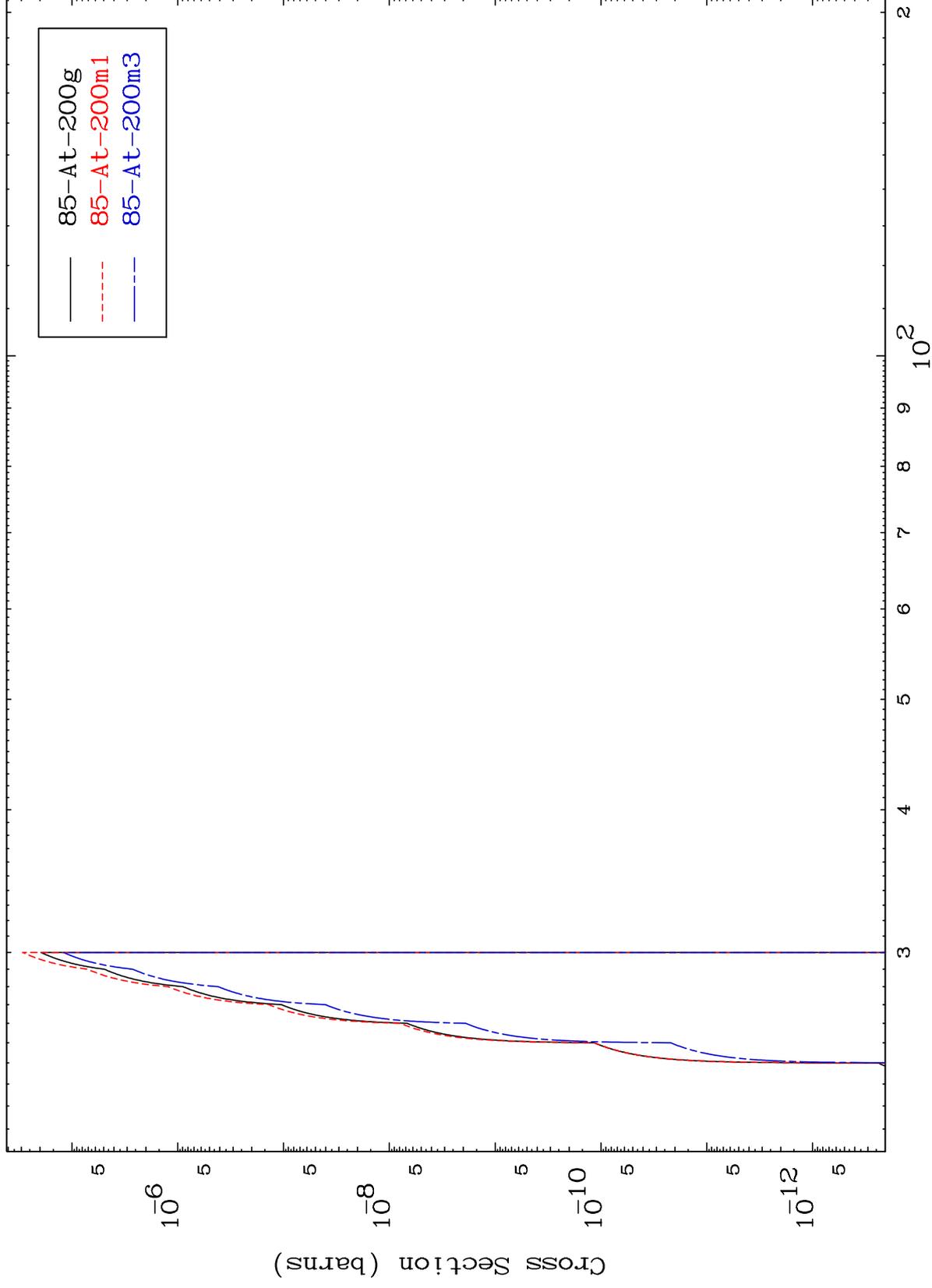
86-Rn-203

MAT 8601

(n,3n) p

86-Rn-203

Radionuclide Production Cross Section



88

Incident Energy (MeV)

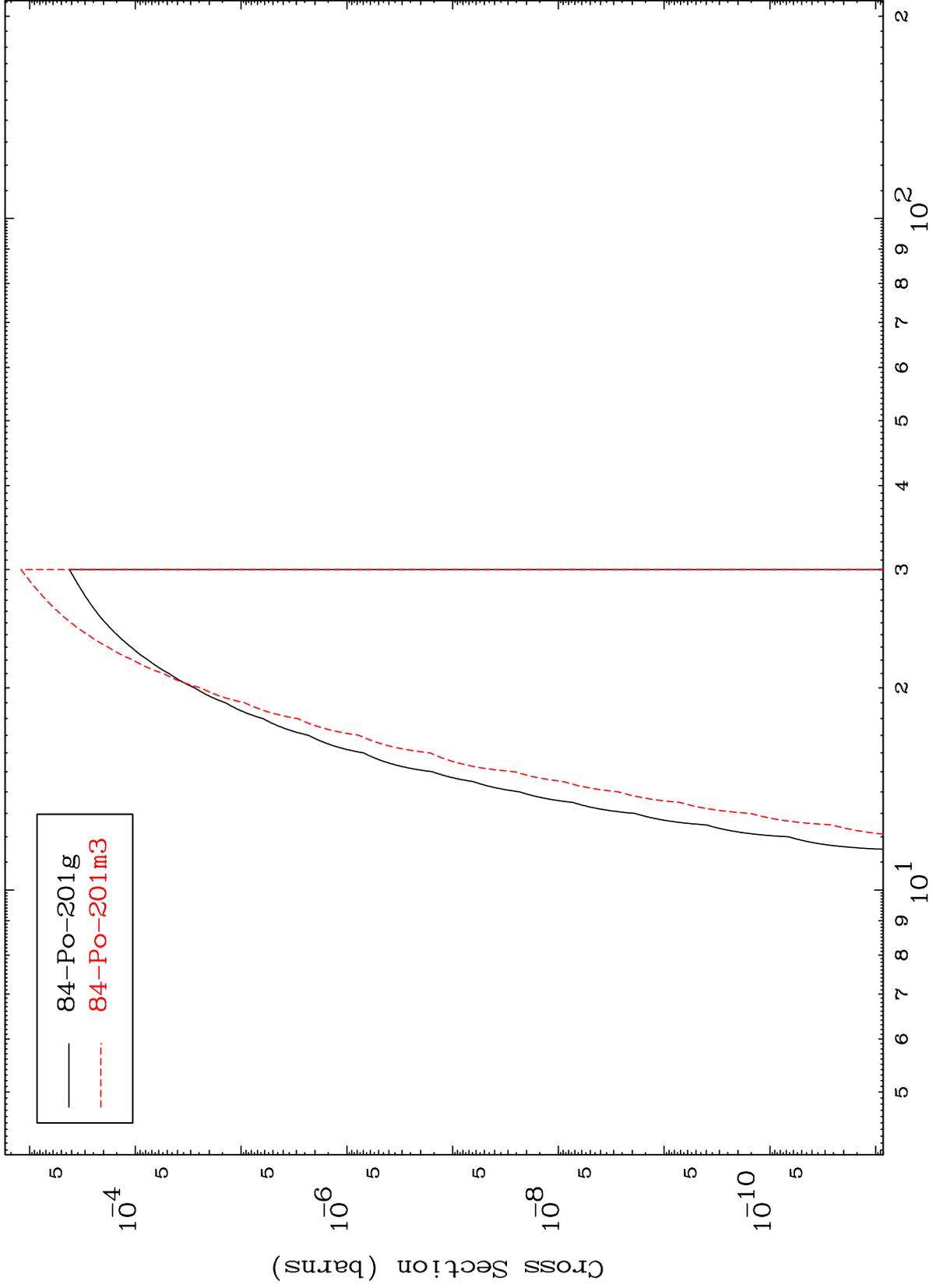
86-Rn-203

MAT 8601

(n,2n) p

86-Rn-203

Radionuclide Production Cross Section



89

Incident Energy (MeV)

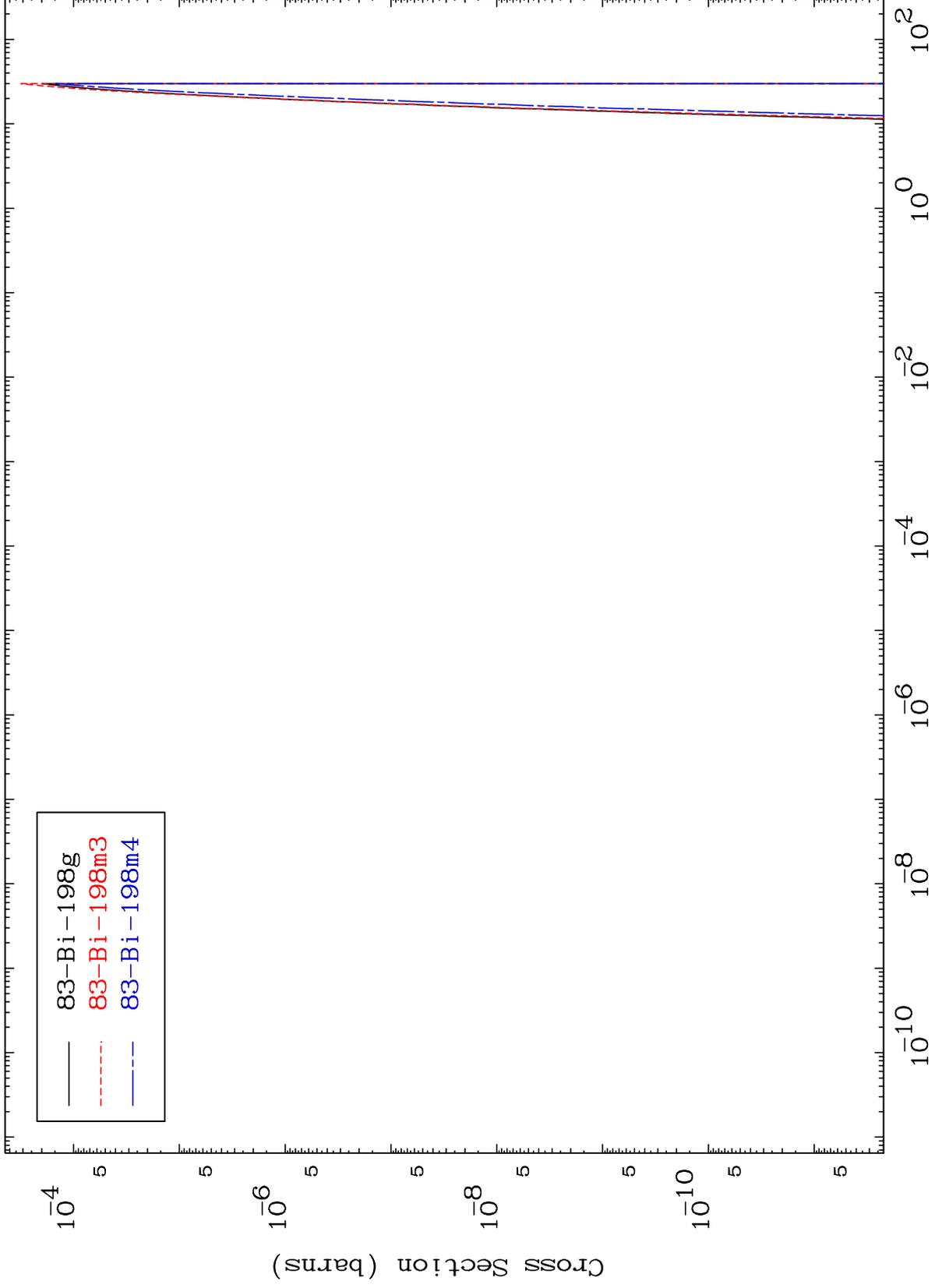
86-Rn-203

MAT 8601

(n,n') p  $\alpha$

86-Rn-203

Radionuclide Production Cross Section



90

Incident Energy (MeV)

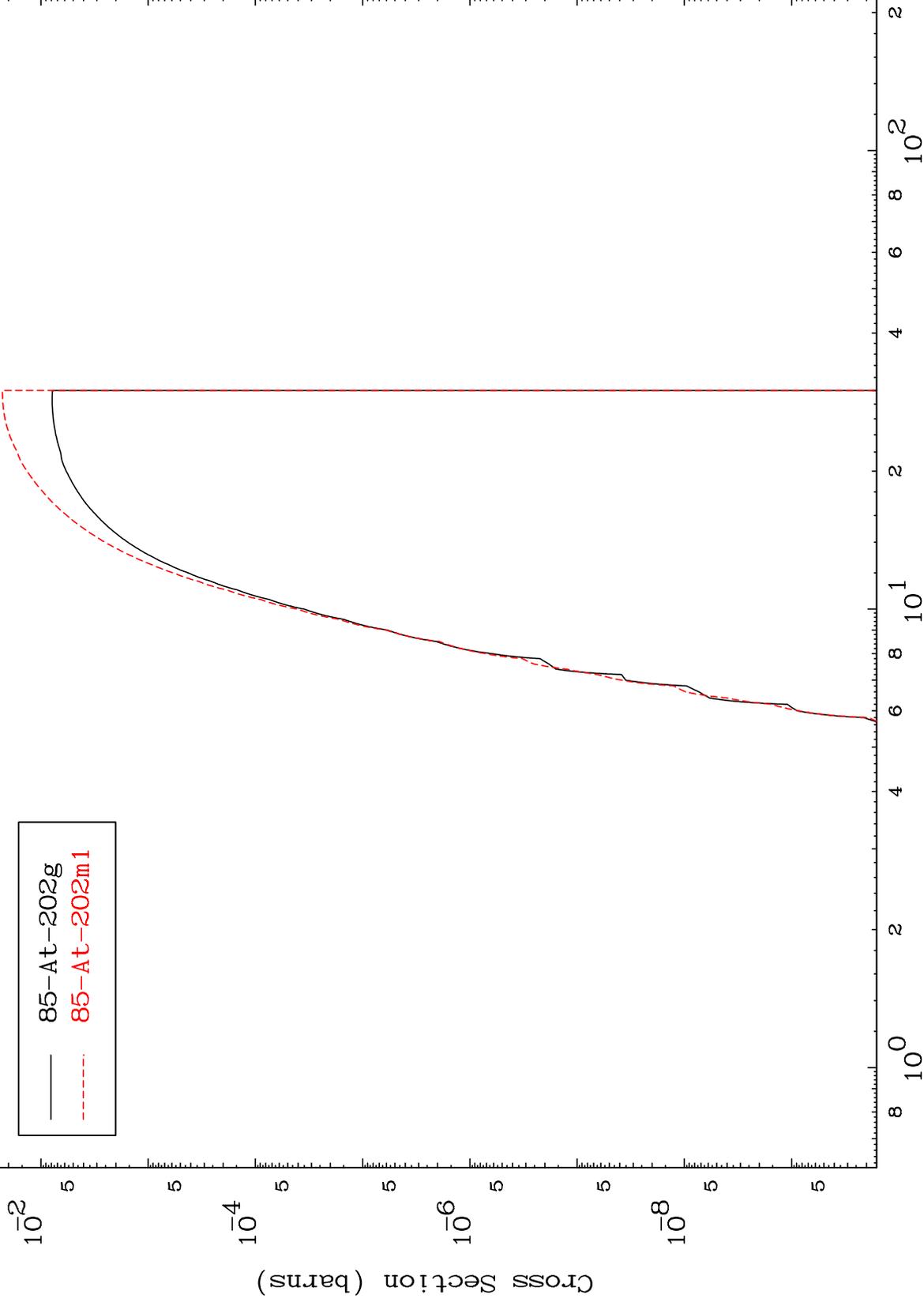
86-Rn-203

MAT 8601

(n,d)

86-Rn-203

Radionuclide Production Cross Section



91

Incident Energy (MeV)

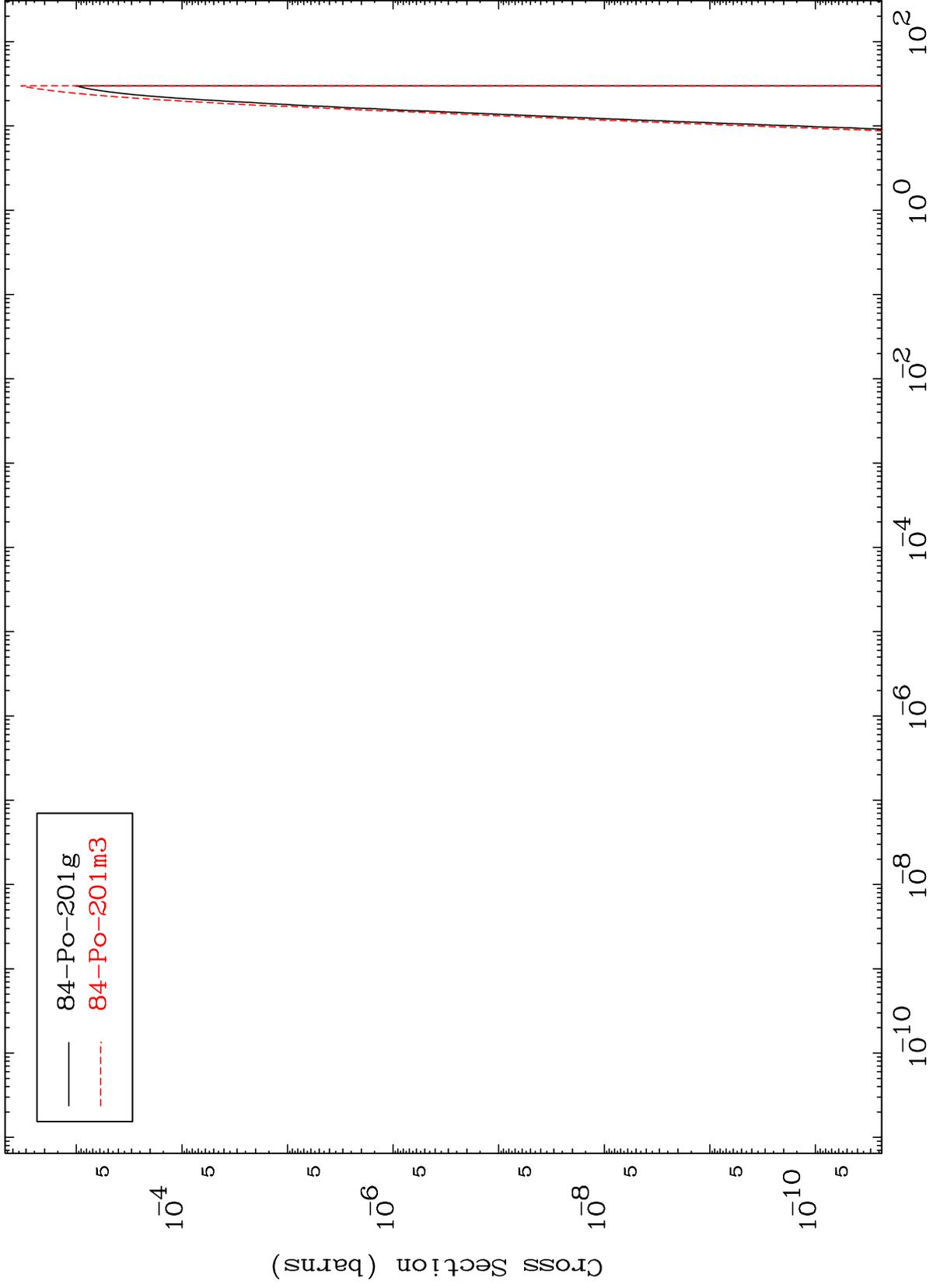
86-Rn-203

MAT 8601

(n,He-3)

86-Rn-203

Radionuclide Production Cross Section



92

Incident Energy (MeV)

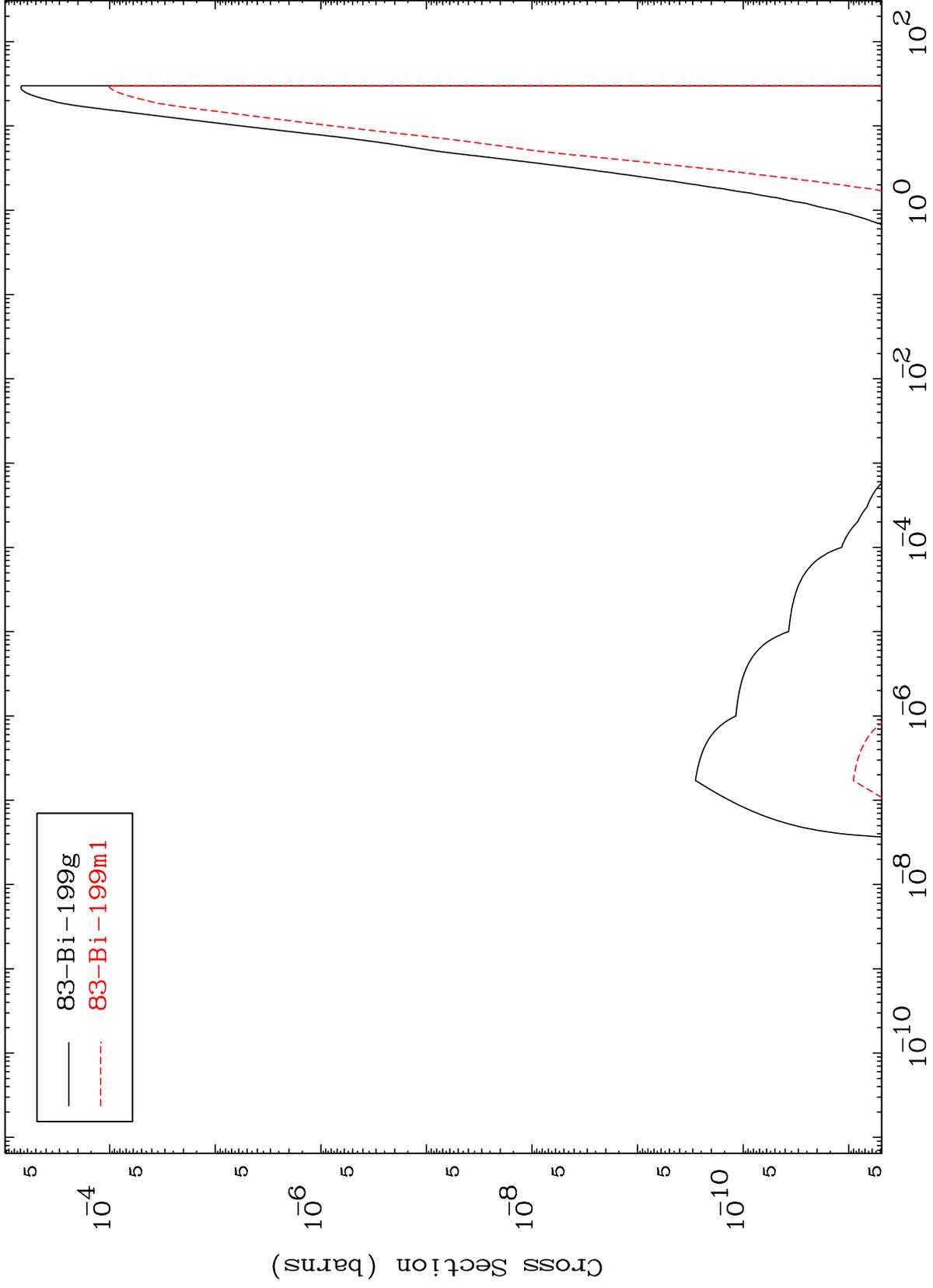
86-Rn-203

MAT 8601

(n,p)  $\alpha$

86-Rn-203

Radionuclide Production Cross Section



93

Incident Energy (MeV)

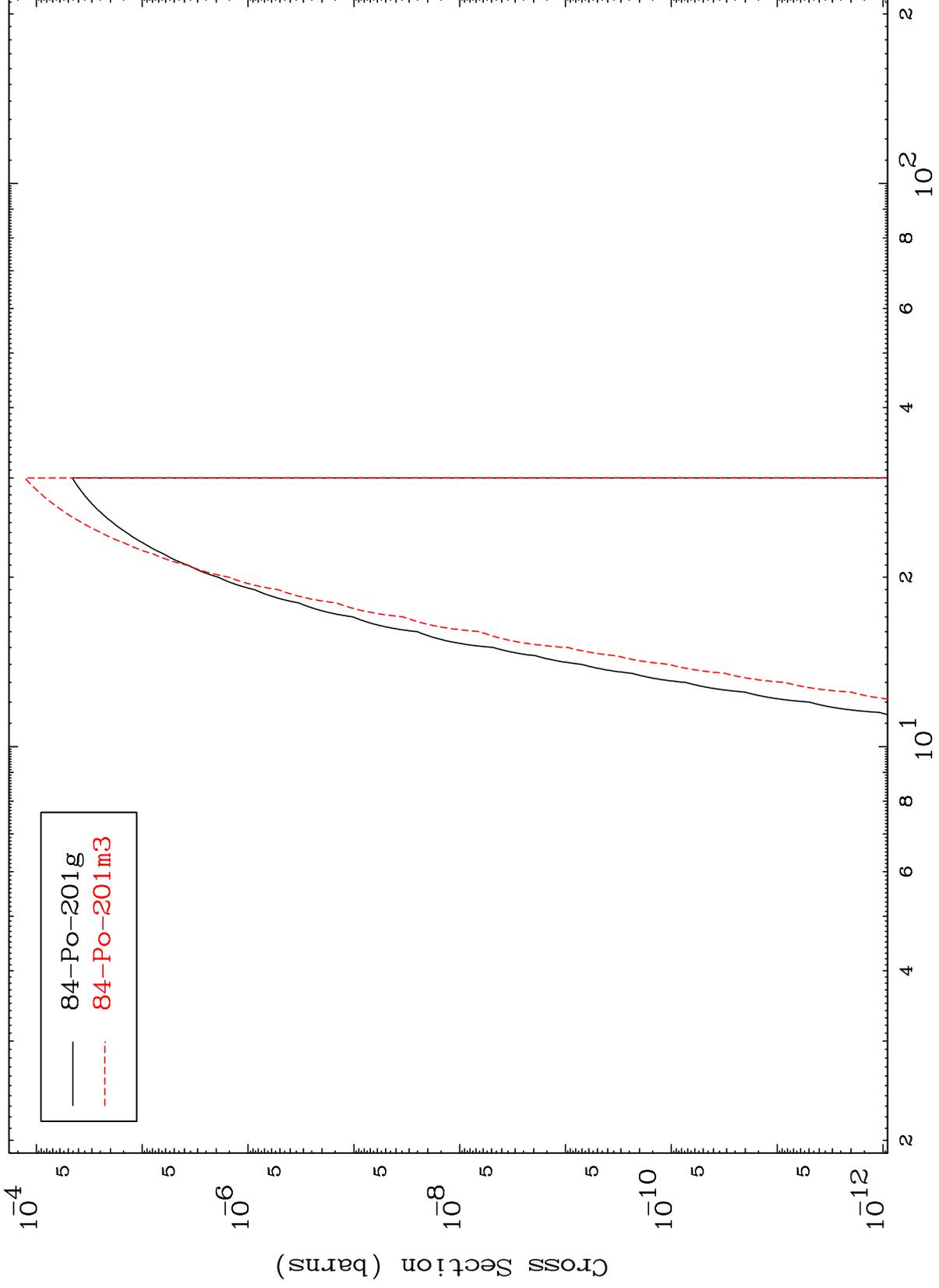
86-Rn-203

MAT 8601

(n,p) d

86-Rn-203

Radionuclide Production Cross Section



94

Incident Energy (MeV)

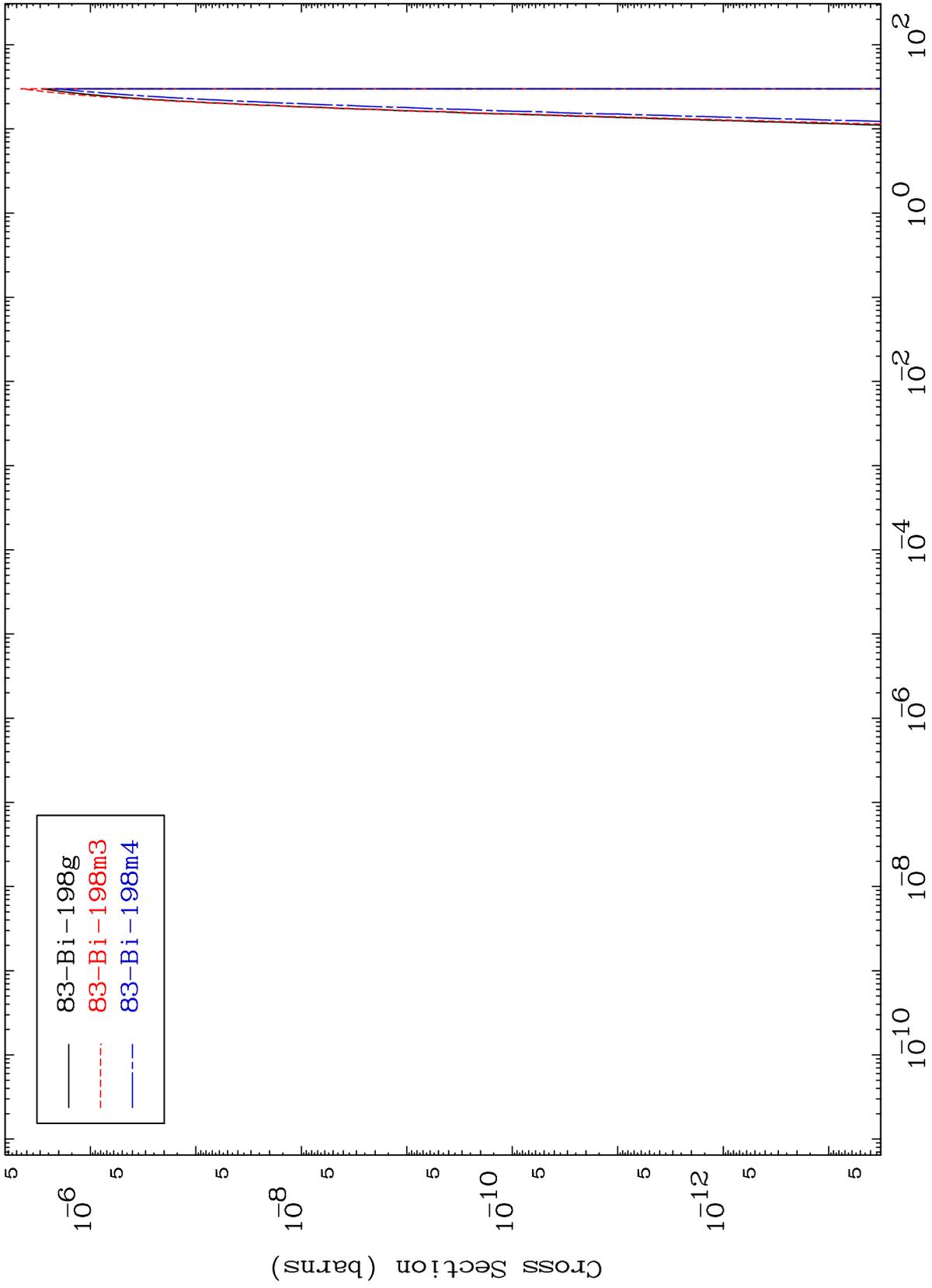
86-Rn-203

MAT 8601

(n,d)  $\alpha$

86-Rn-203

Radionuclide Production Cross Section



83-Bi-198g  
83-Bi-198m3  
83-Bi-198m4