

Program EVALPLOT
(Version 2015-2)

by

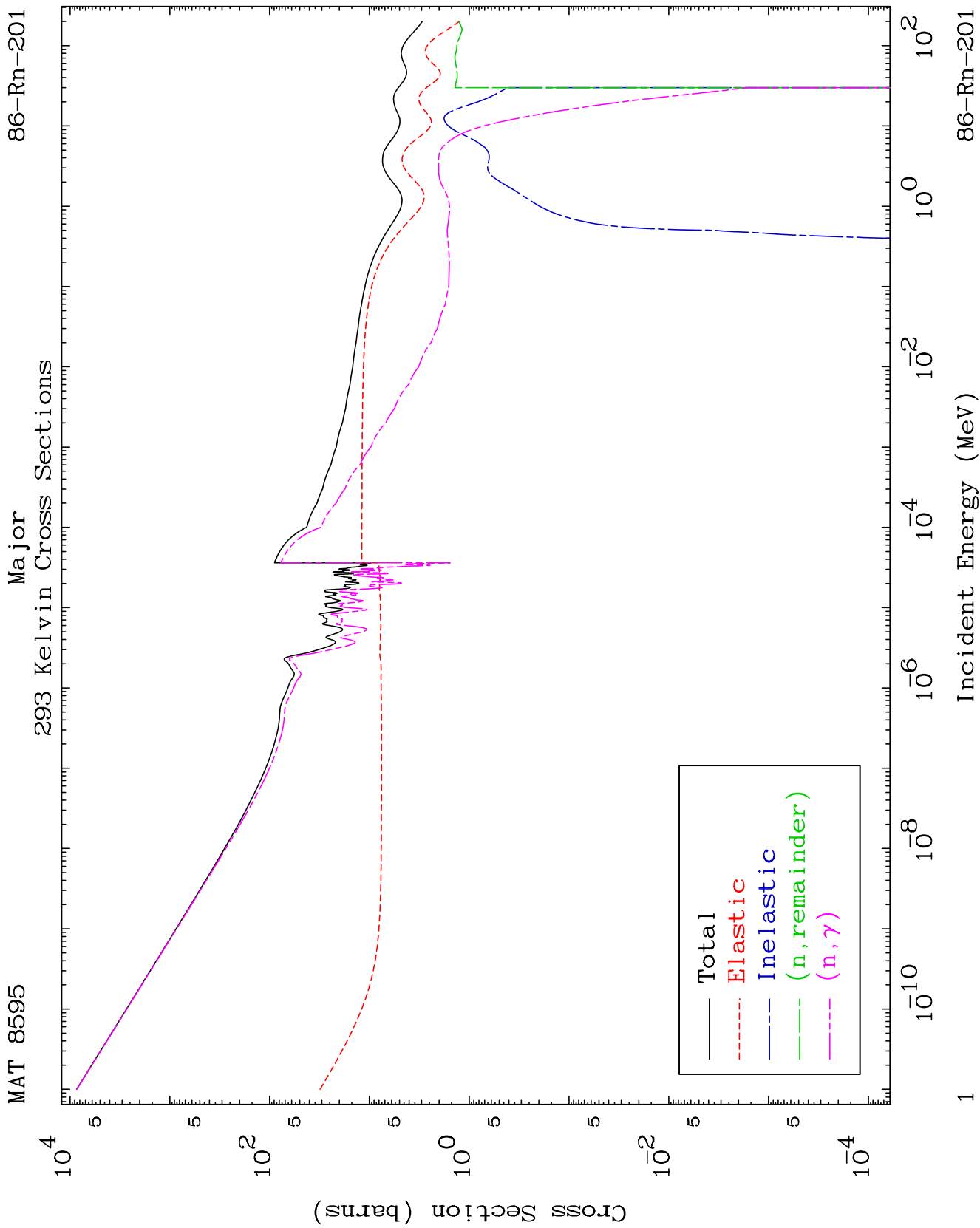
Dermott E. Cullen
(Present Contact Information)

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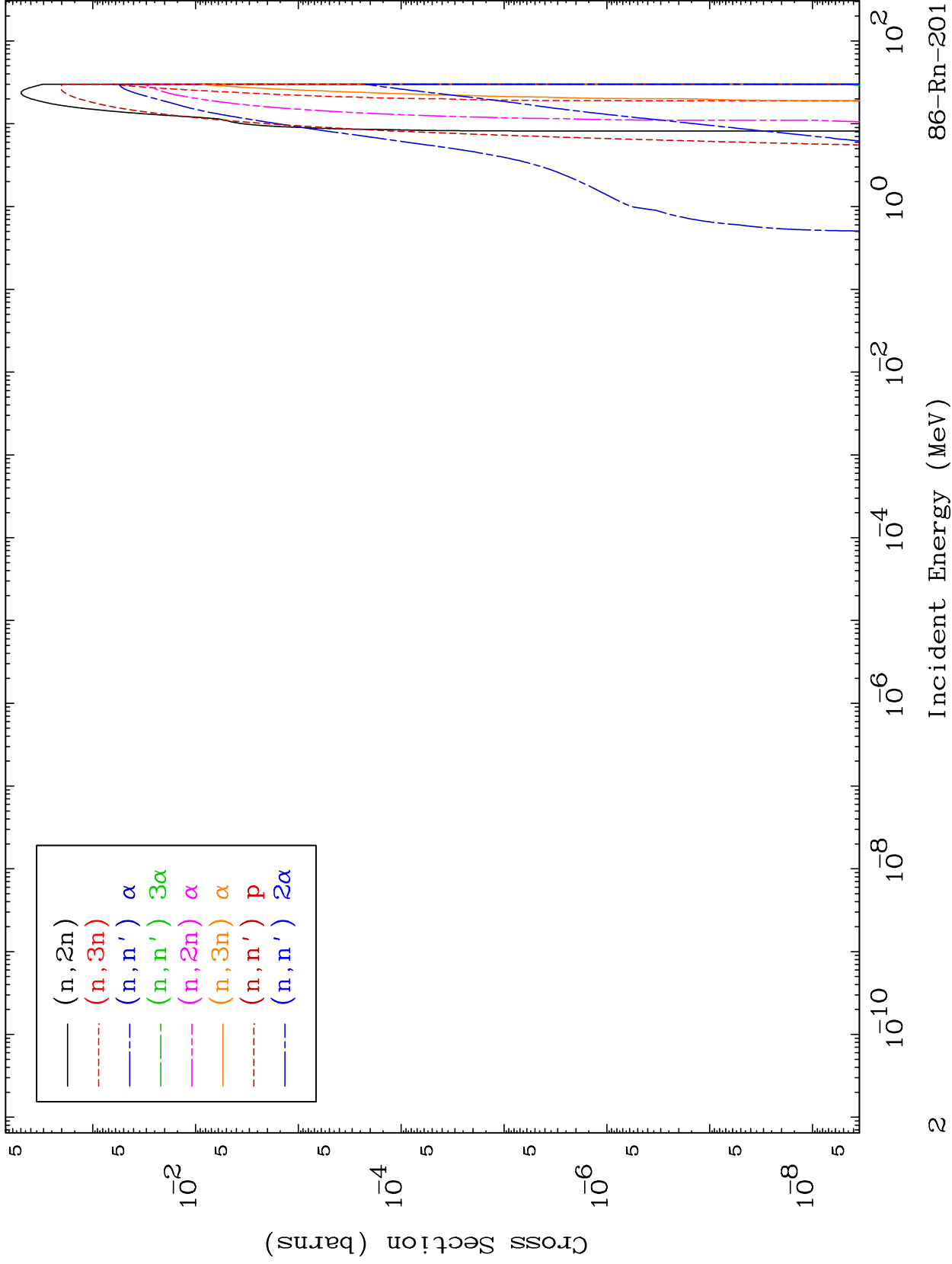
Press Mouse Button to Start



MAT 8595

Neutron Production
293 Kelvin Cross Sections

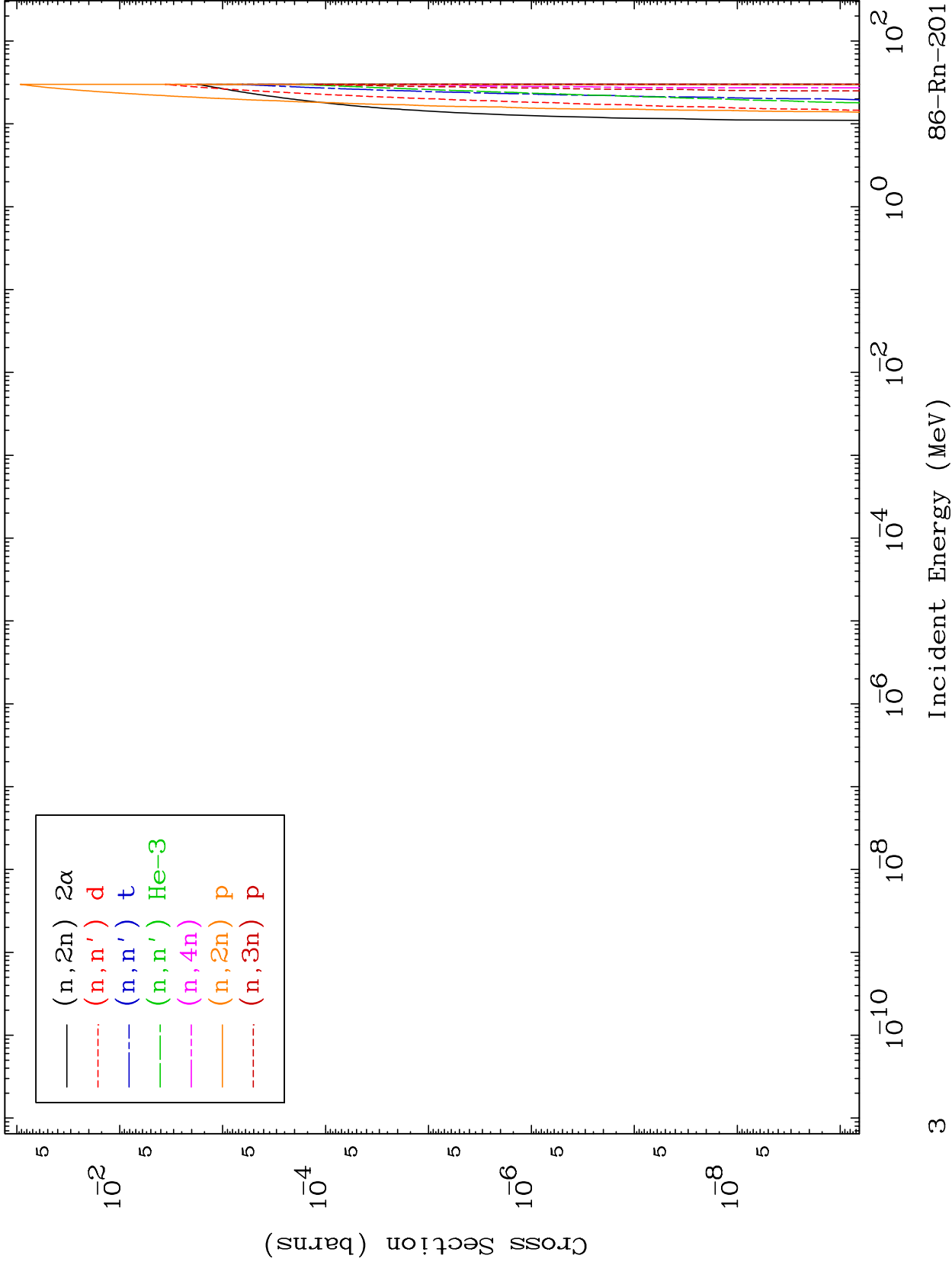
86-Rn-201



MAT 8595

Neutron Production
293 Kelvin Cross Sections

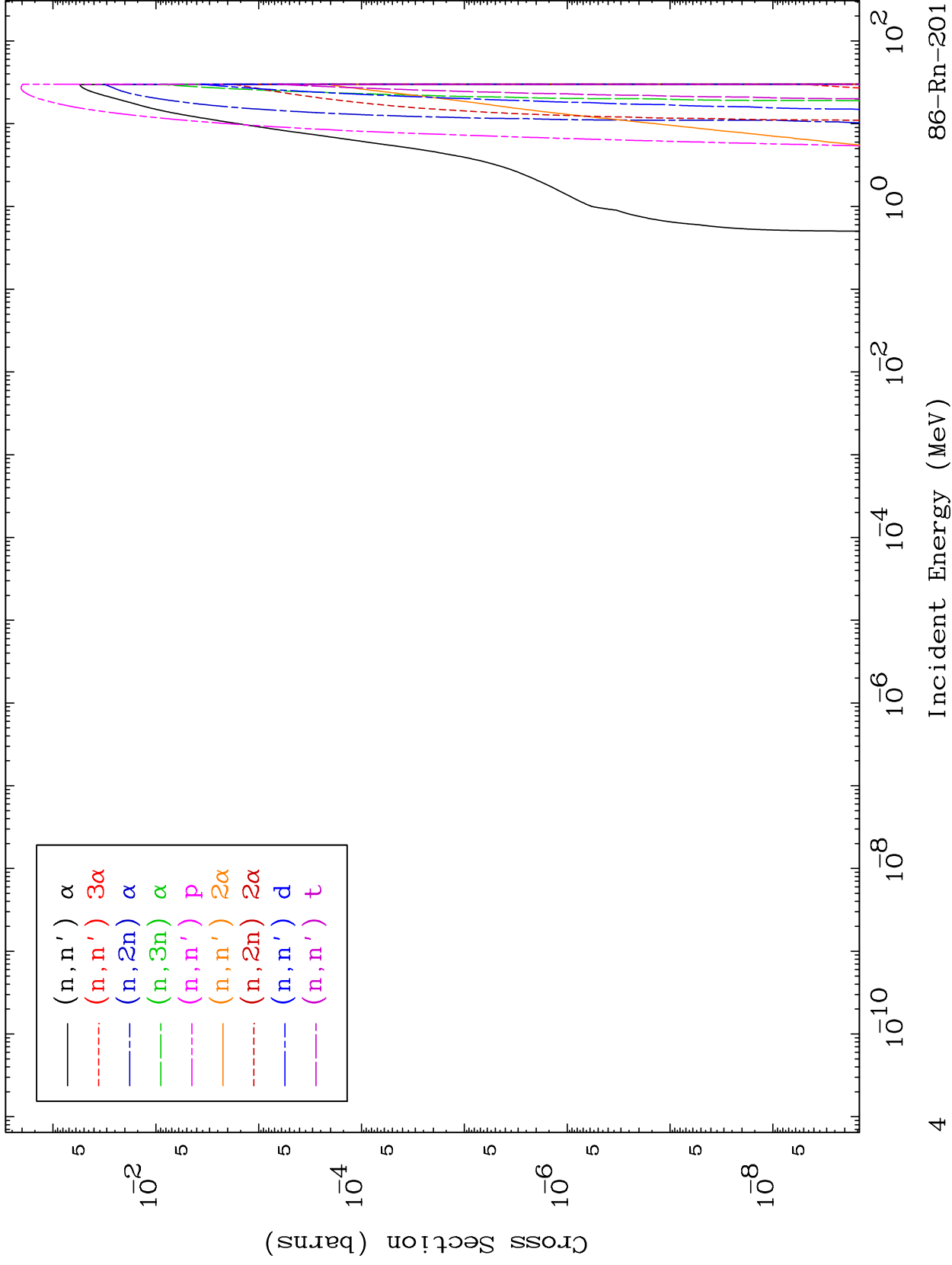
86-Rn-201



MAT 8595

Charged Particle
293 Kelvin Cross Sections

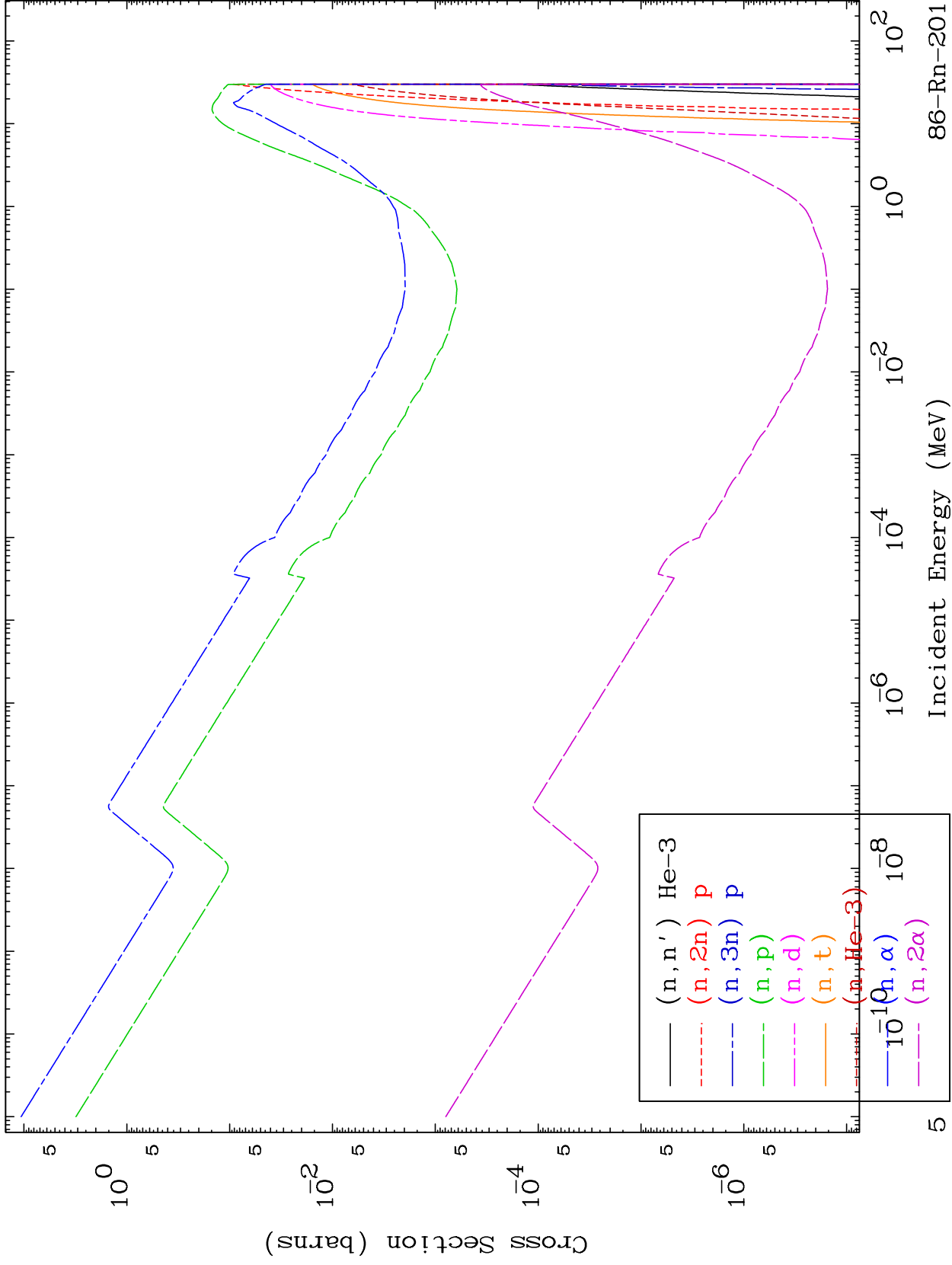
86-Rn-201



MAT 8595

Charged Particle
293 Kelvin Cross Sections

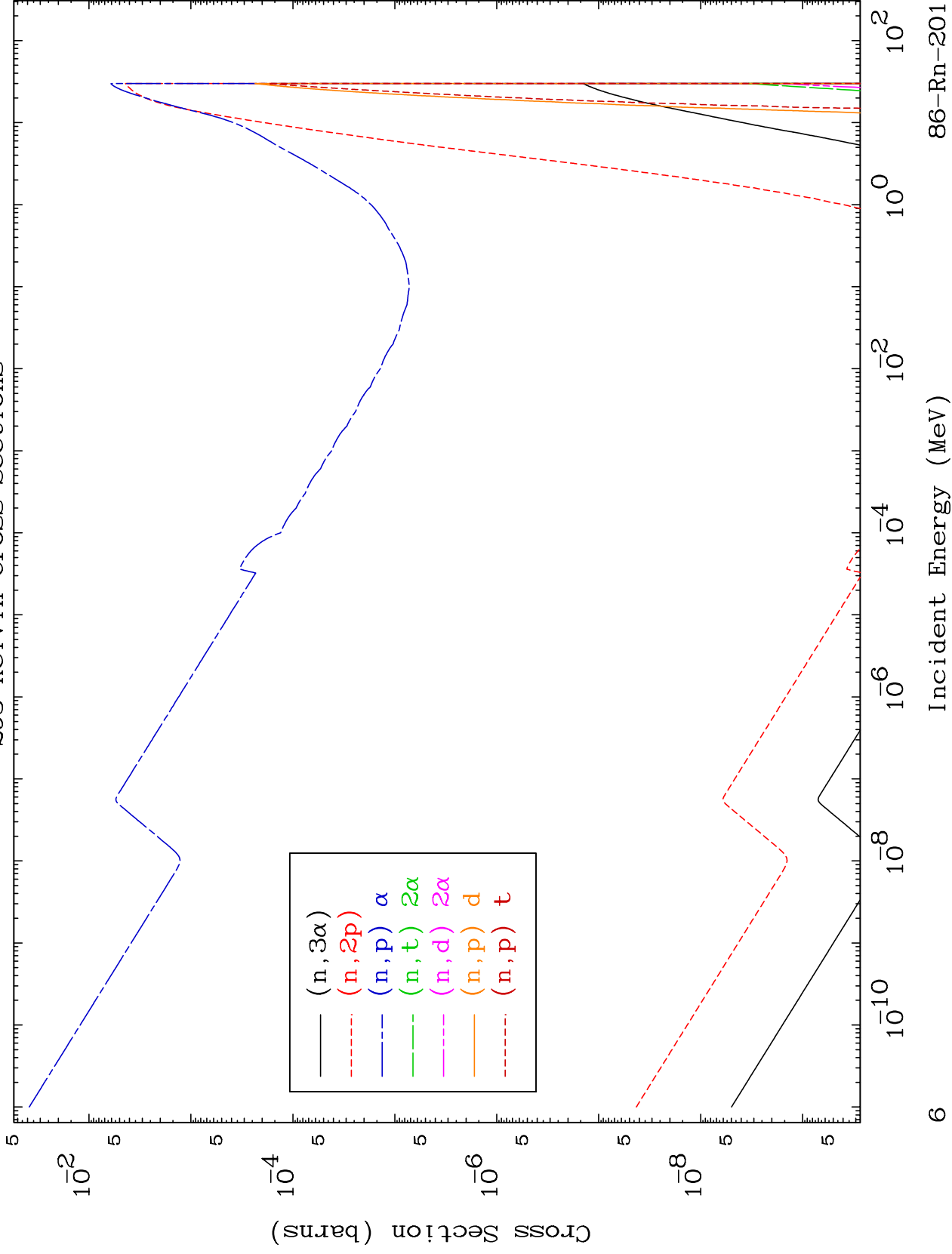
86-Rn-201



MAT 8595

Charged Particle
293 Kelvin Cross Sections

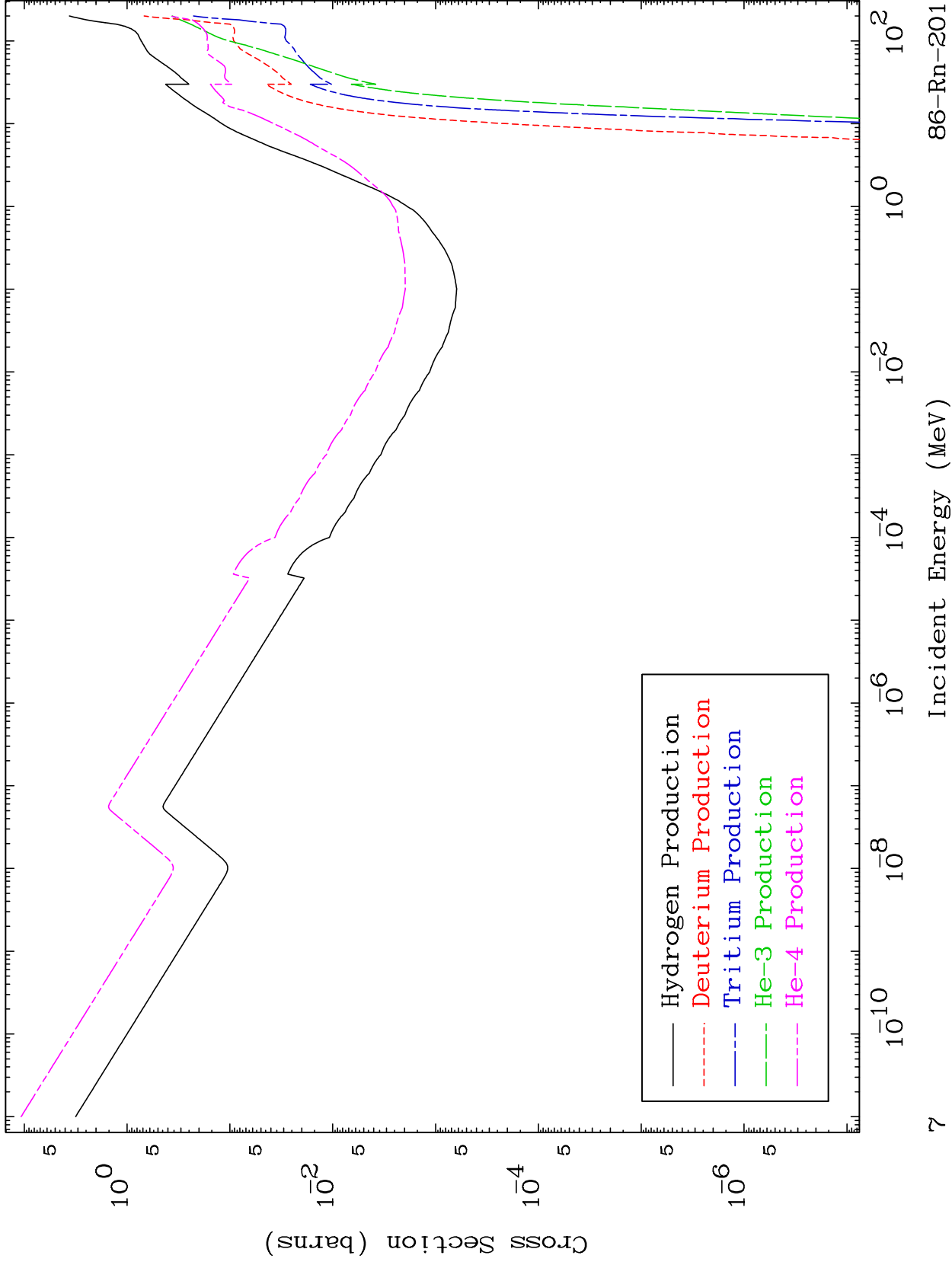
86-Rn-201



MAT 8595

Particle Production
293 Kelvin Cross Sections

86-Rn-201

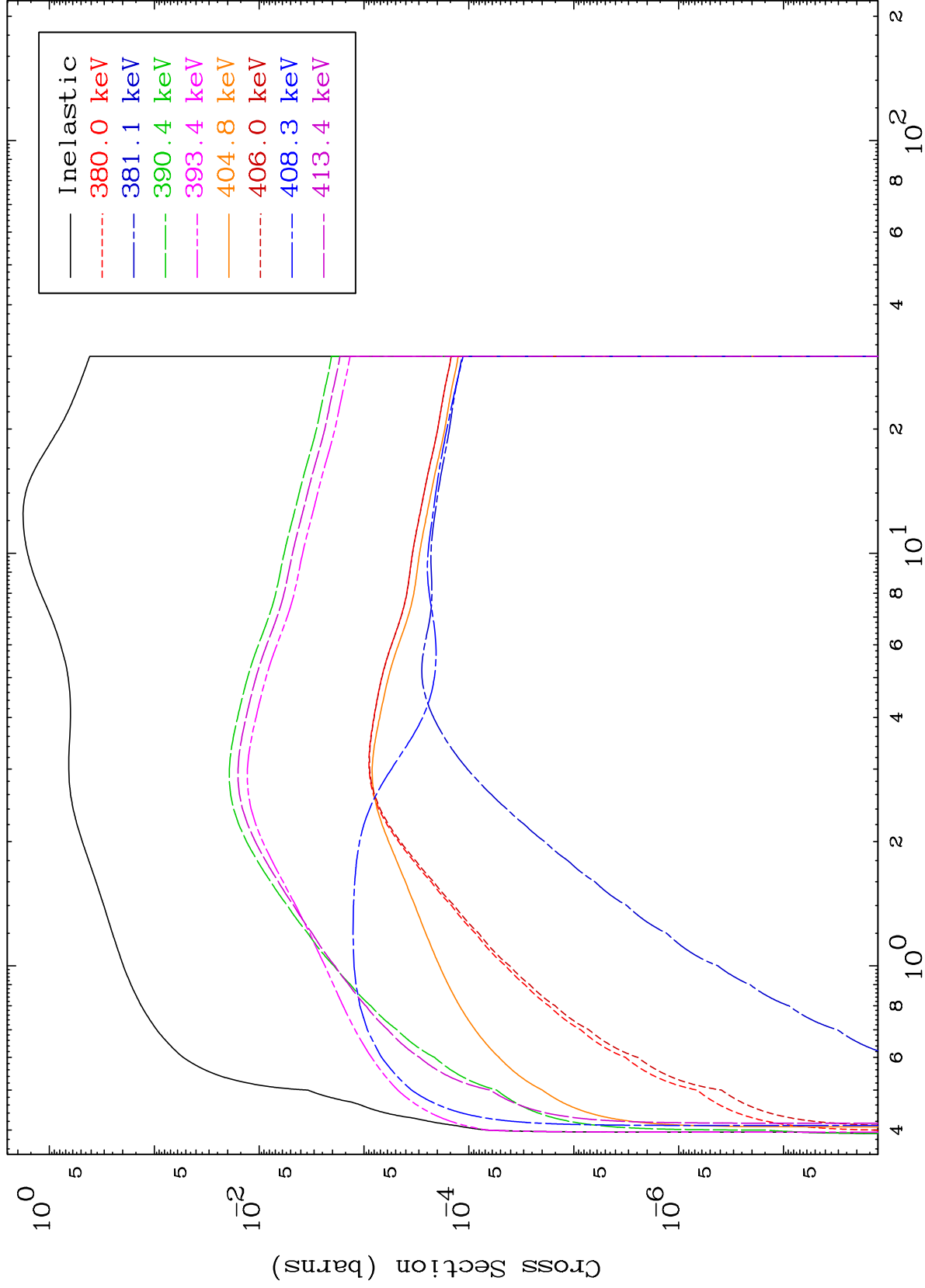


MAT 8595

(n,n') Level

293 Kelvin Cross Sections

86-Rn-201



8

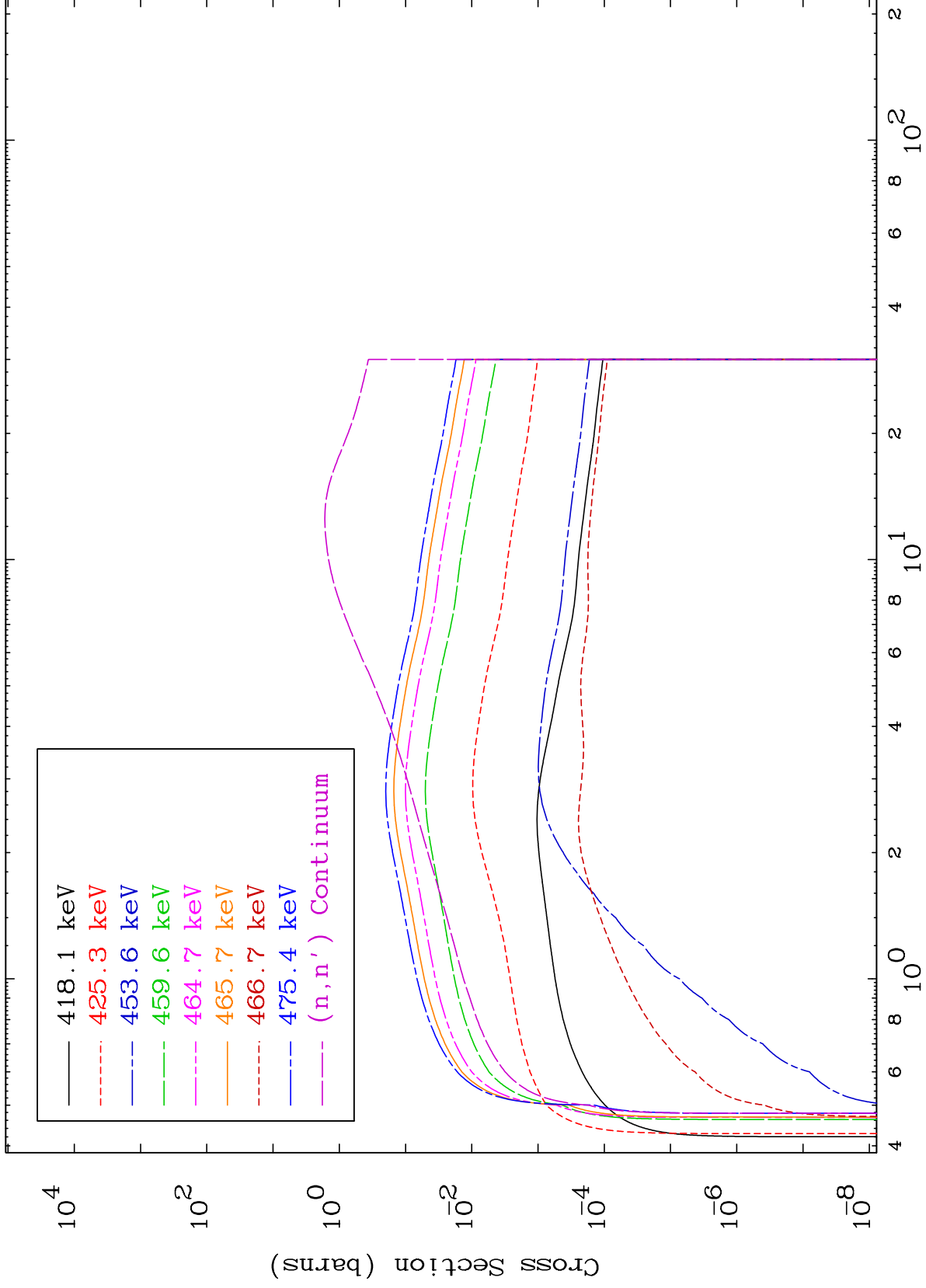
Incident Energy (MeV)

86-Rn-201

MAT 8595

(n,n') Level
293 Kelvin Cross Sections

86-Rn-201



9

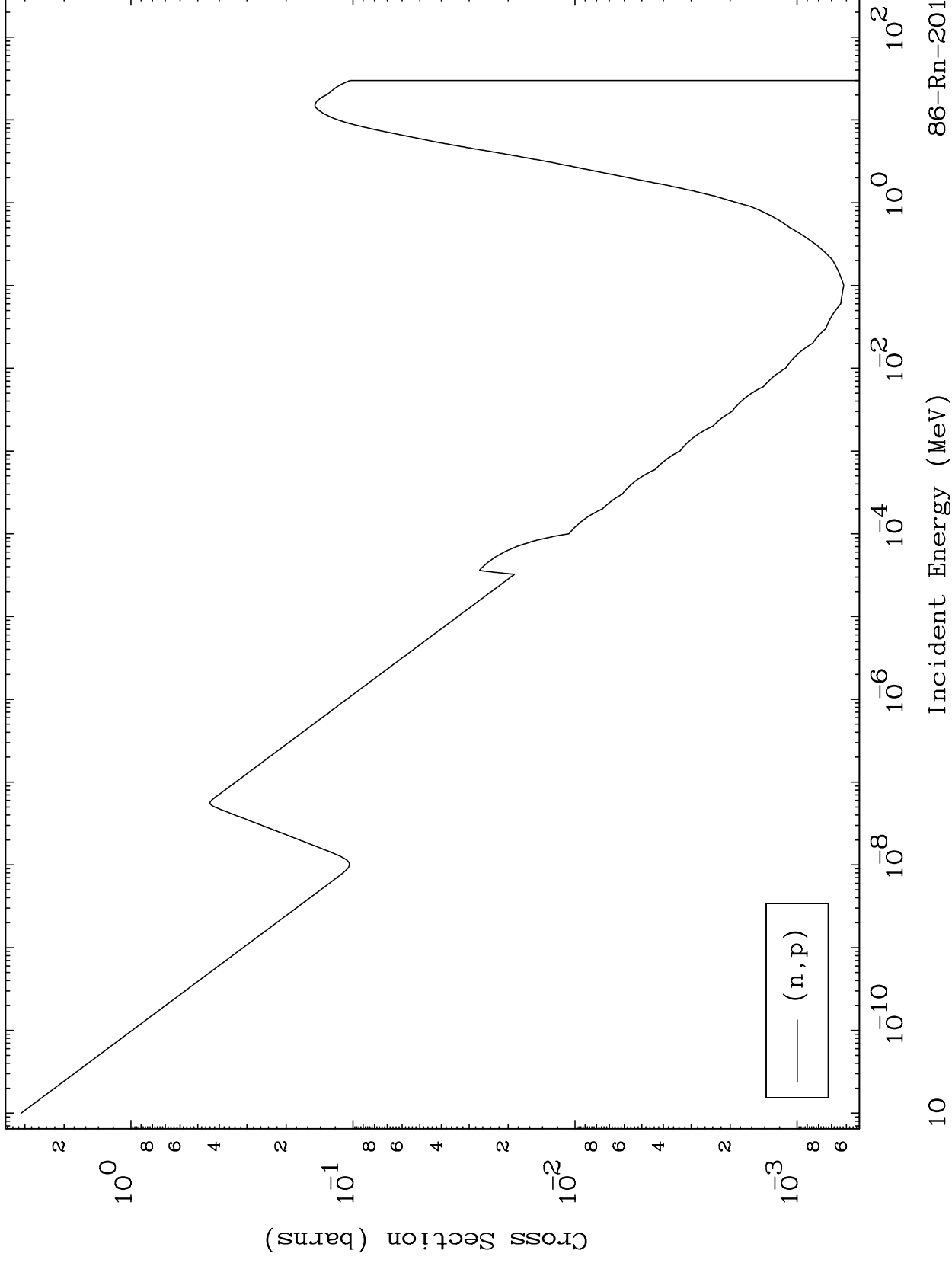
Incident Energy (MeV)

86-Rn-201

MAT 8595

(n,p) Levels
293 Kelvin Cross Sections

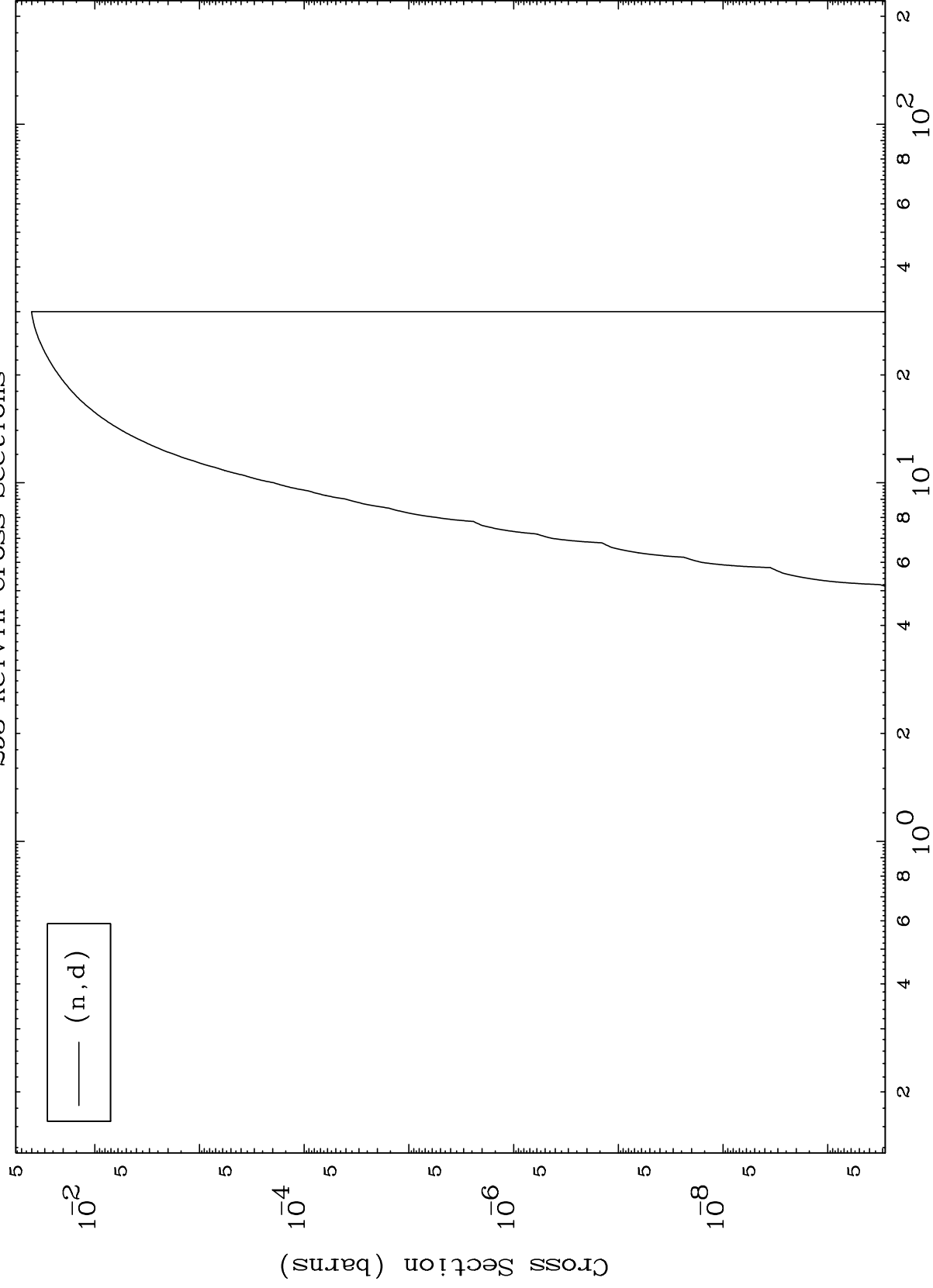
86-Rn-201



MAT 8595

(n,d) Levels
293 Kelvin Cross Sections

86-Rn-201



11

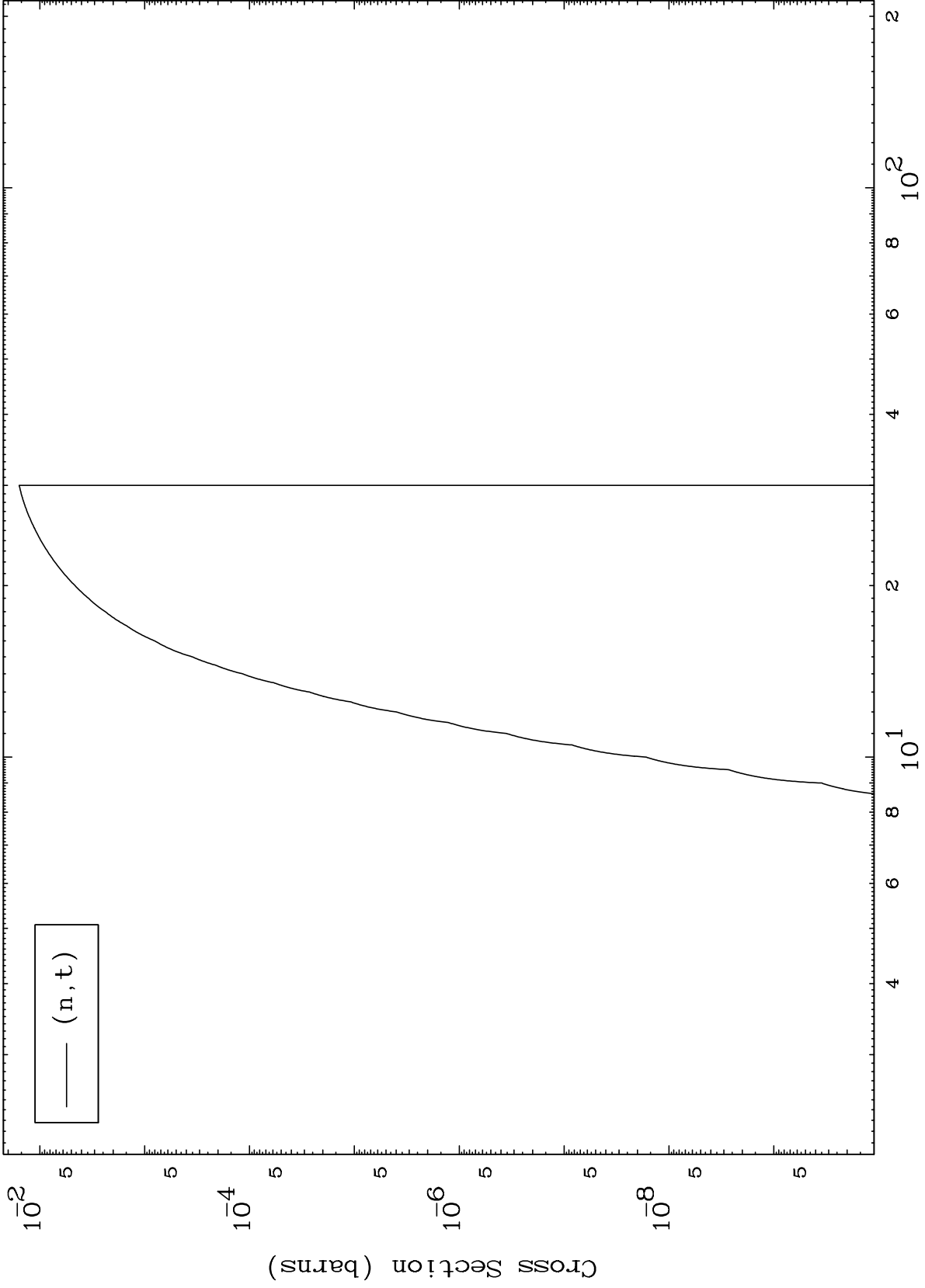
Incident Energy (MeV)

86-Rn-201

MAT 8595

(n,t) Levels
293 Kelvin Cross Sections

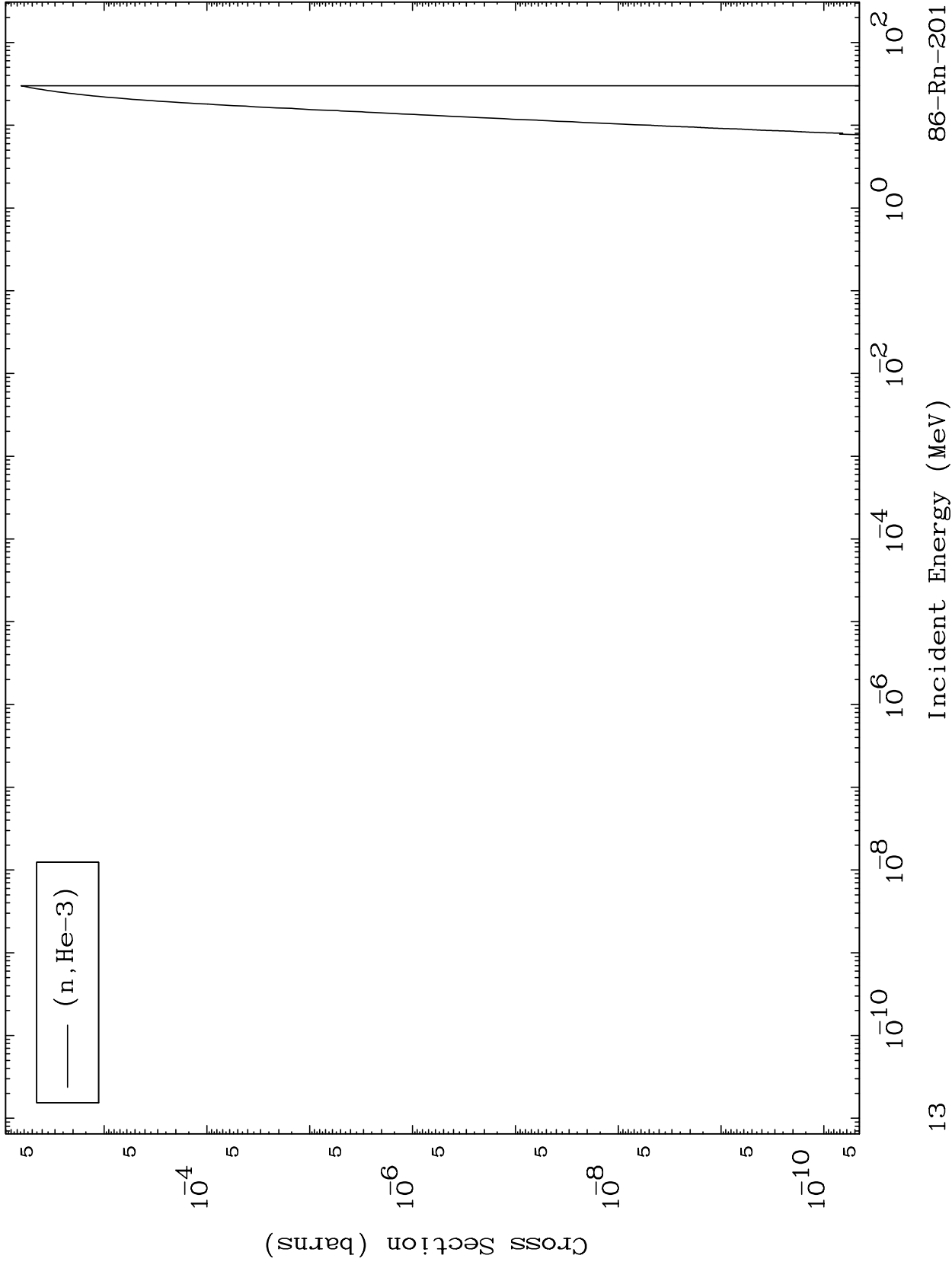
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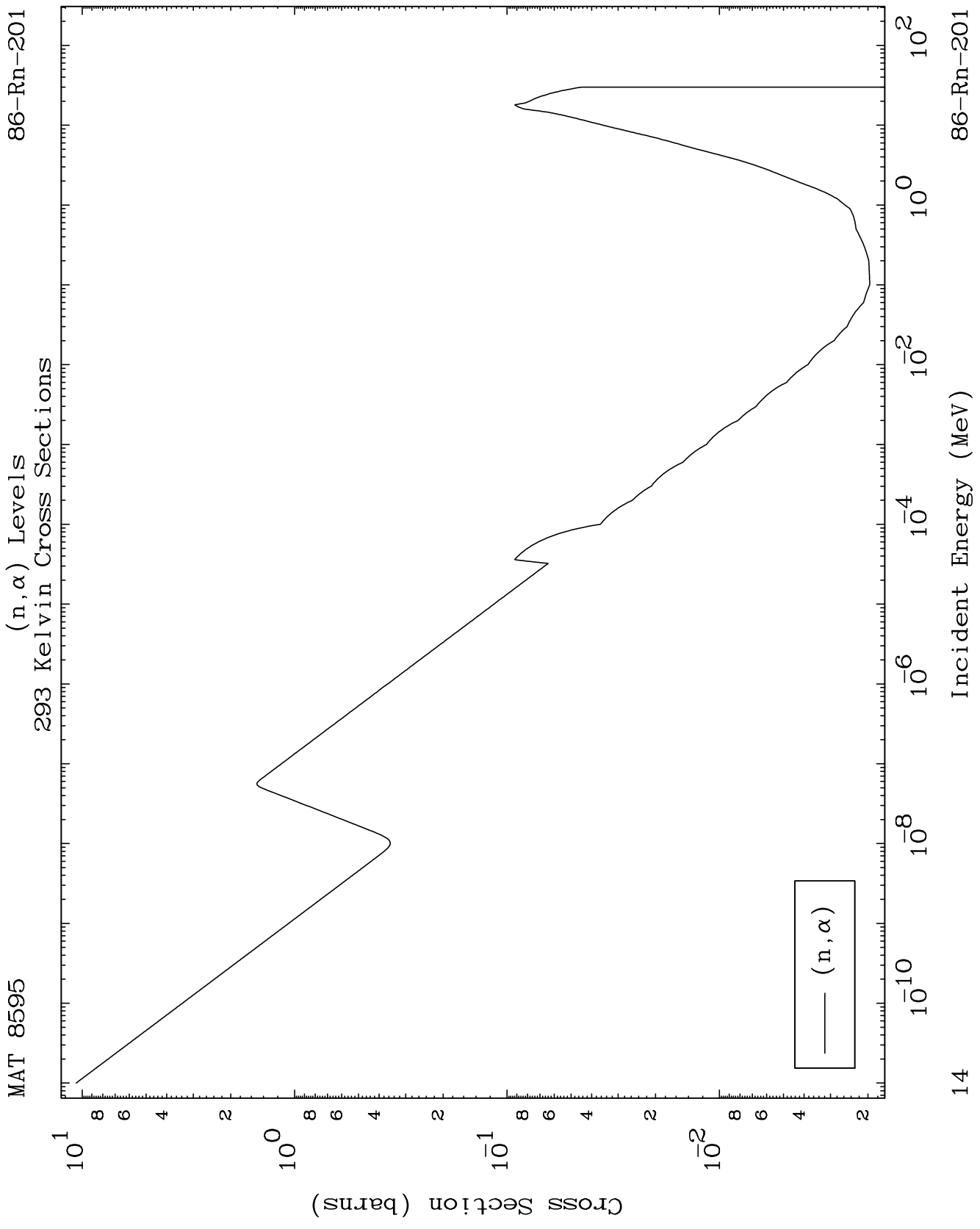


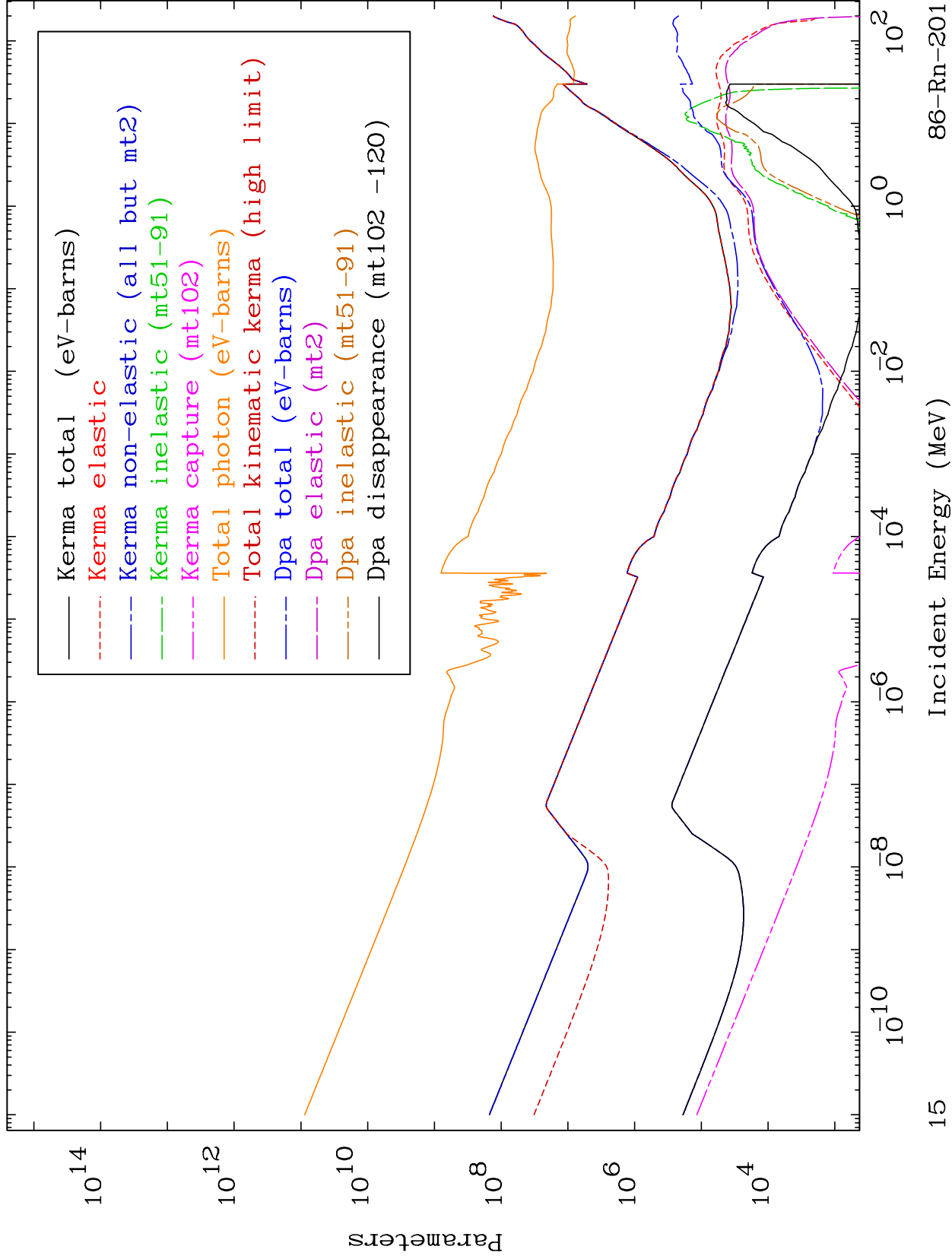
MAT 8595

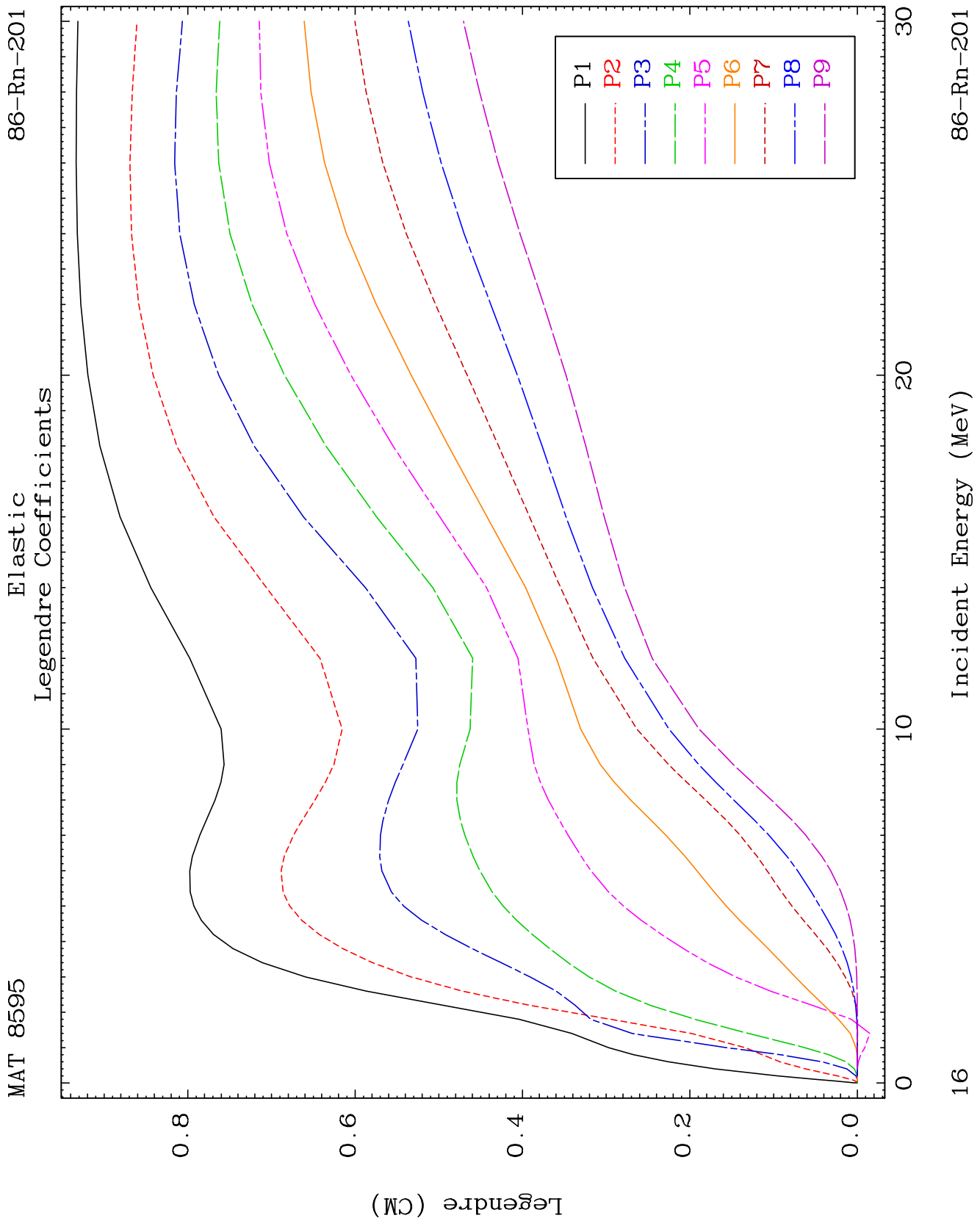
(n,He3) Levels
293 Kelvin Cross Sections

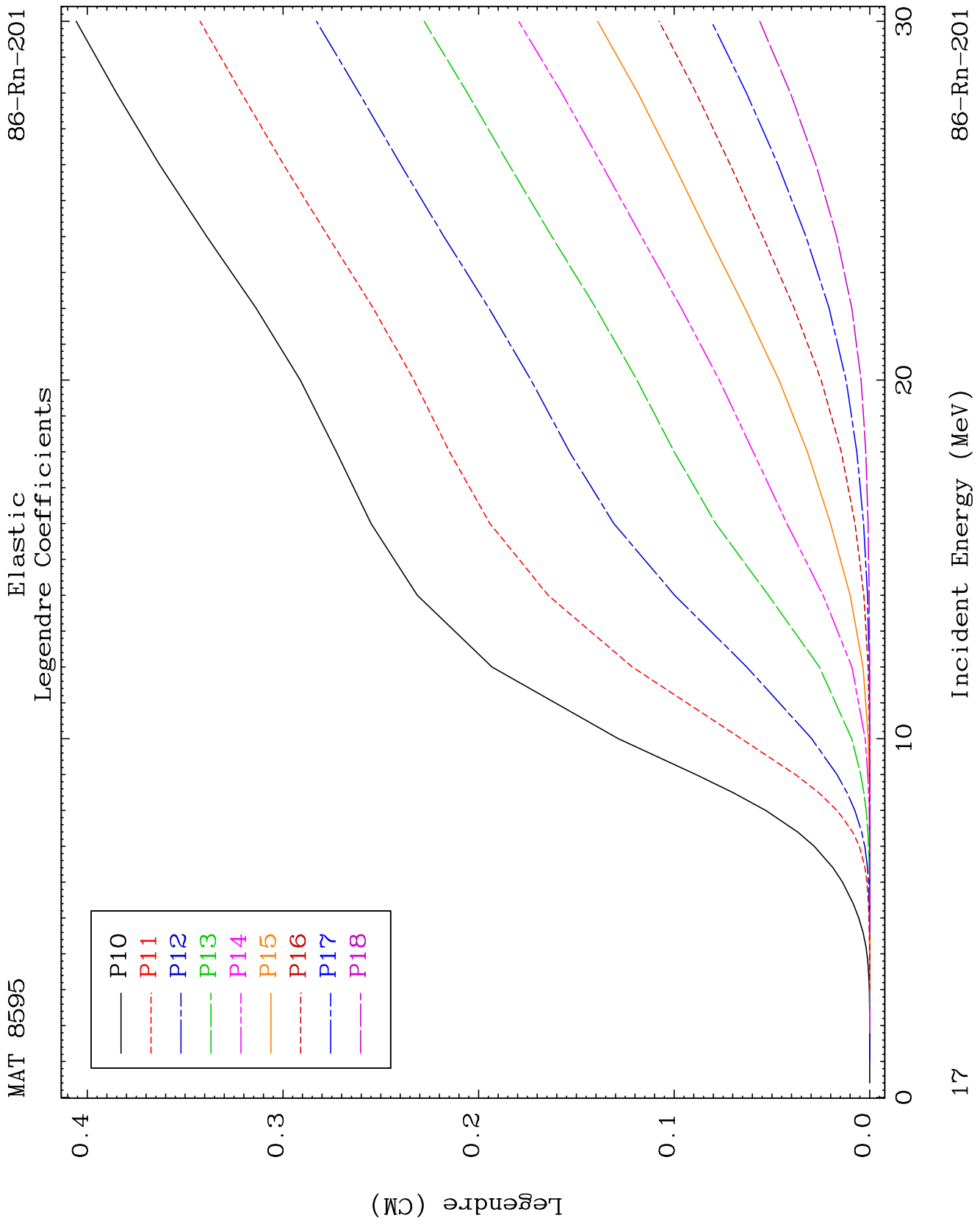
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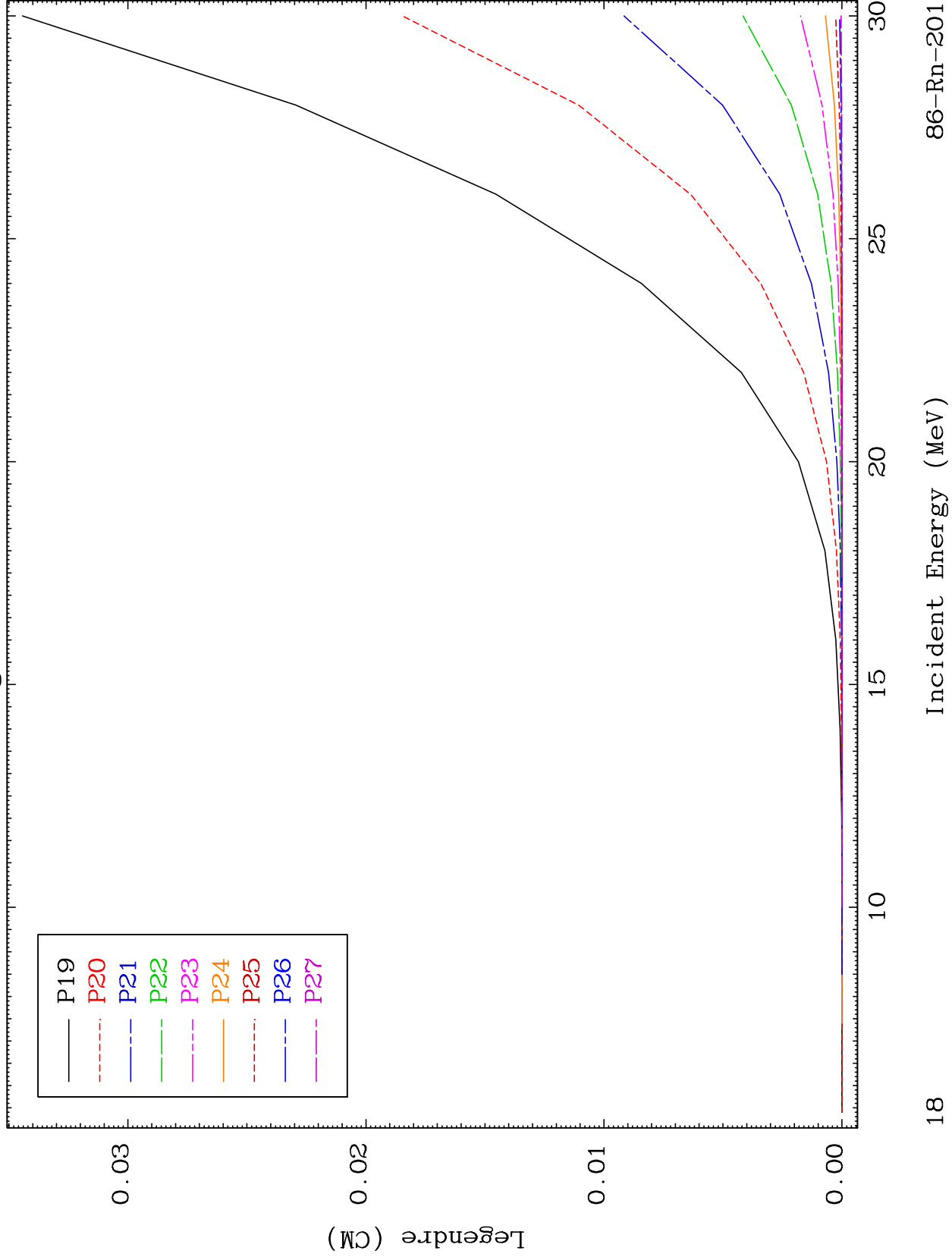




MAT 8595

Elastic Legendre Coefficients

86-Rn-201



18

Incident Energy (MeV)

86-Rn-201

30

25

20

15

0.00

0.01

0.02

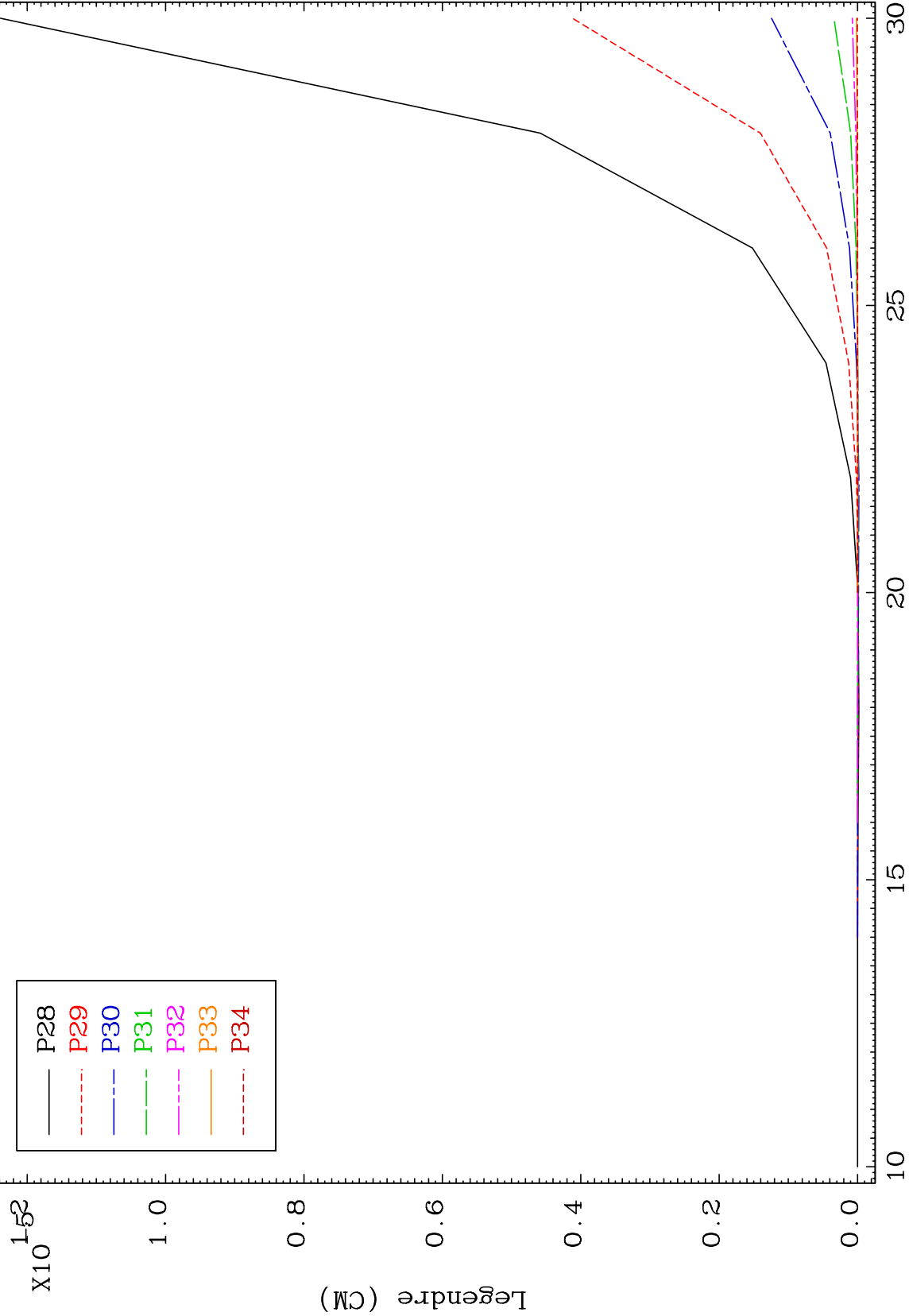
0.03

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 8595

Elastic Legendre Coefficients

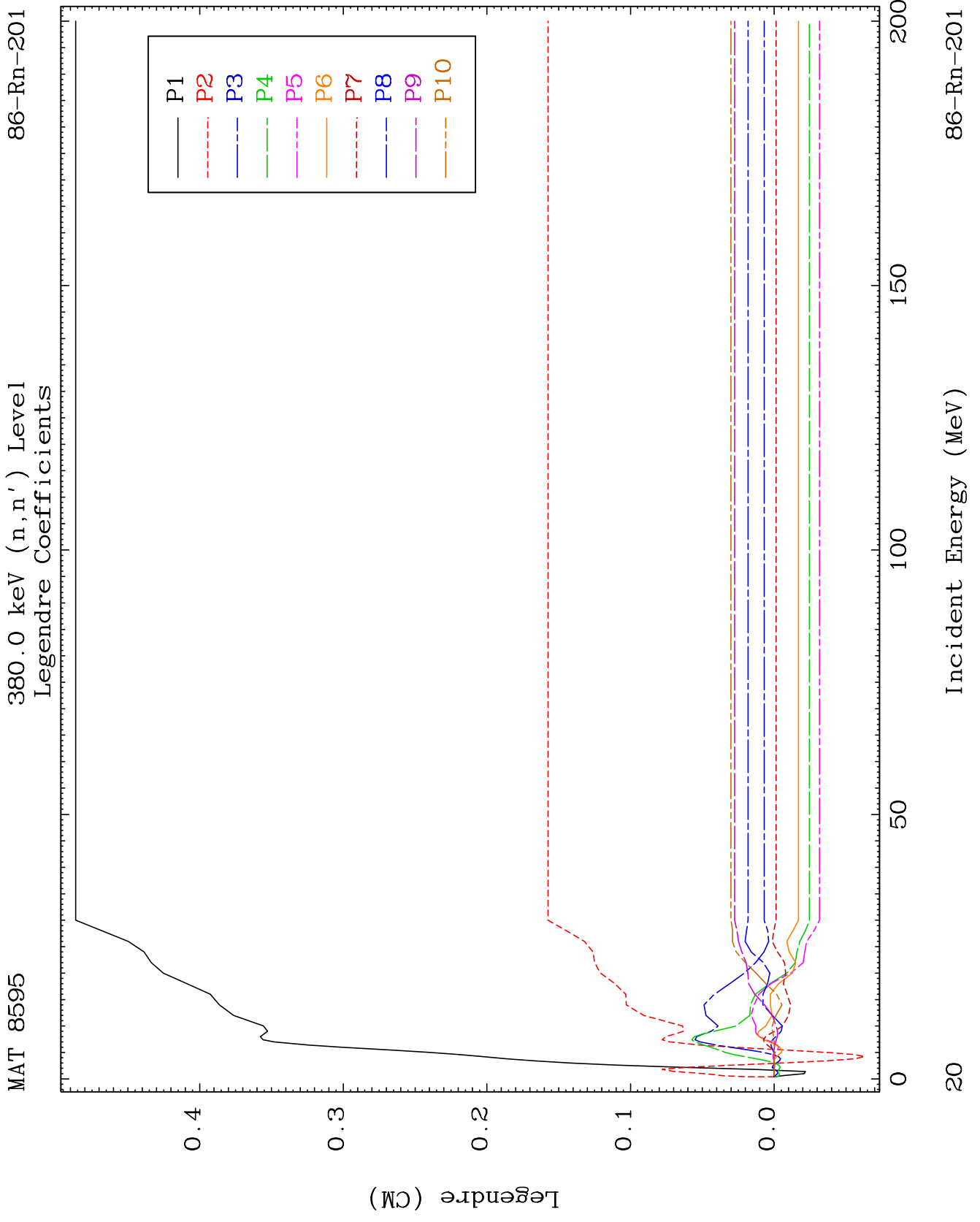
86-Rn-201



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Incident Energy (MeV)

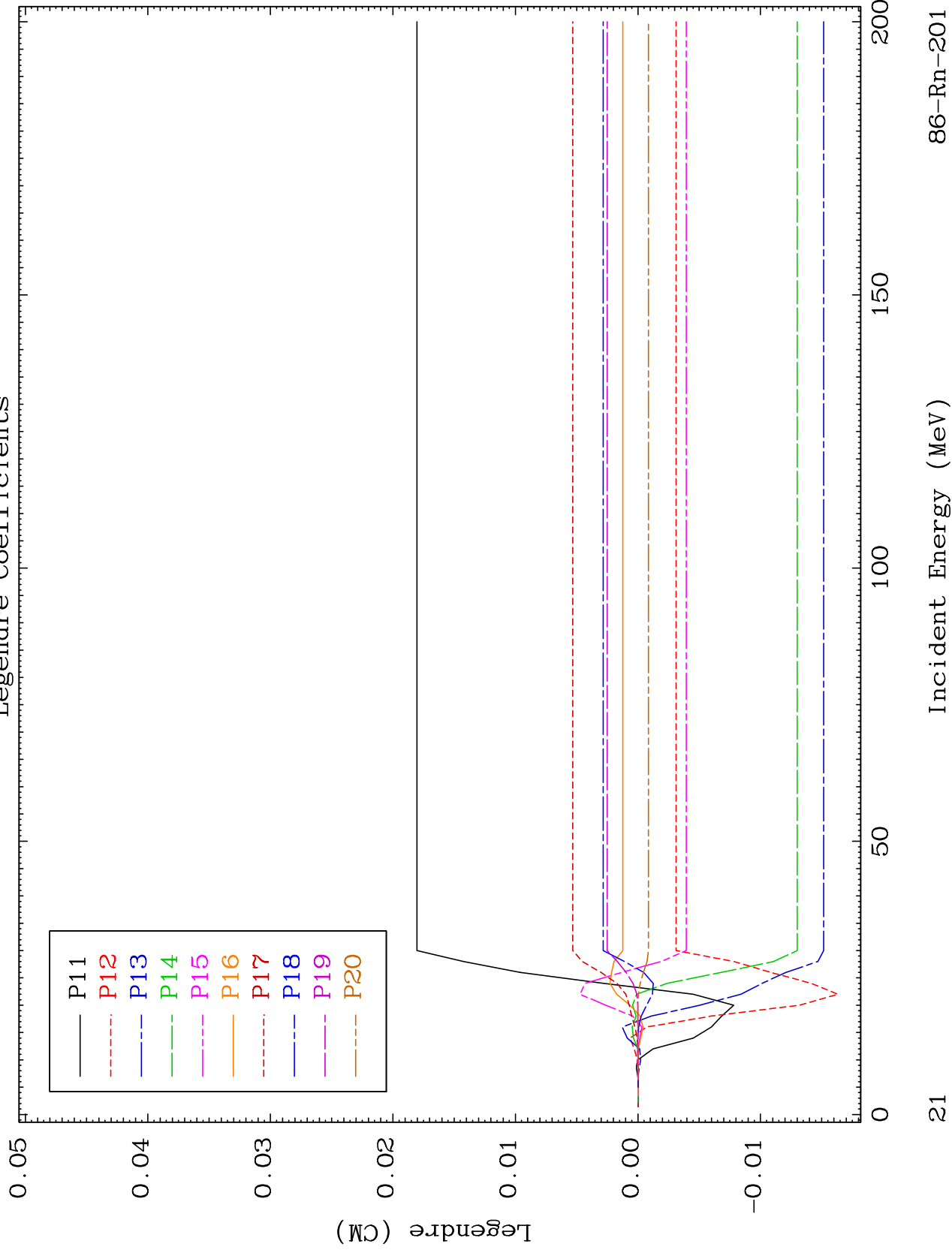
86-Rn-201



MAT 8595

380.0 keV (n,n') Level
Legendre Coefficients

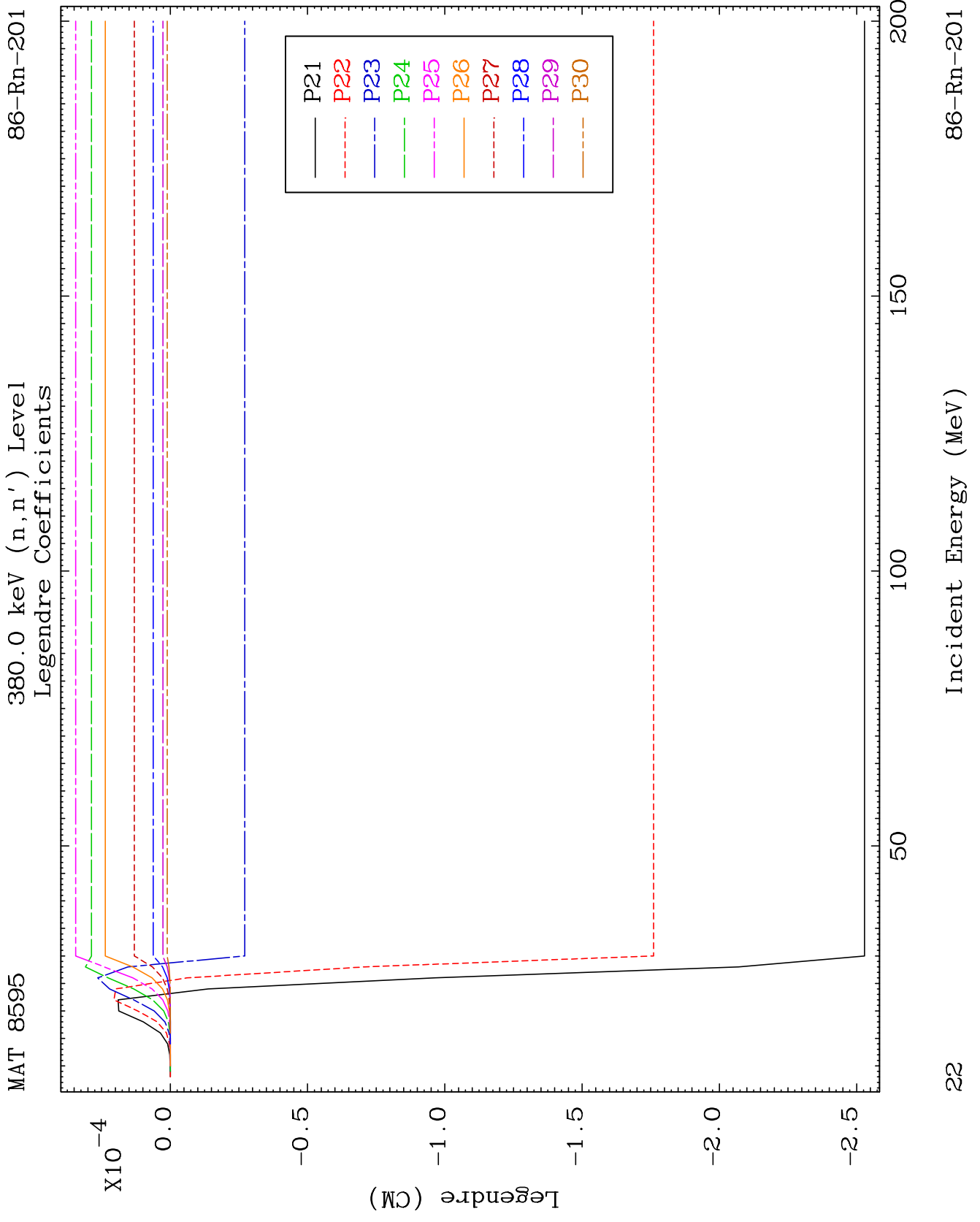
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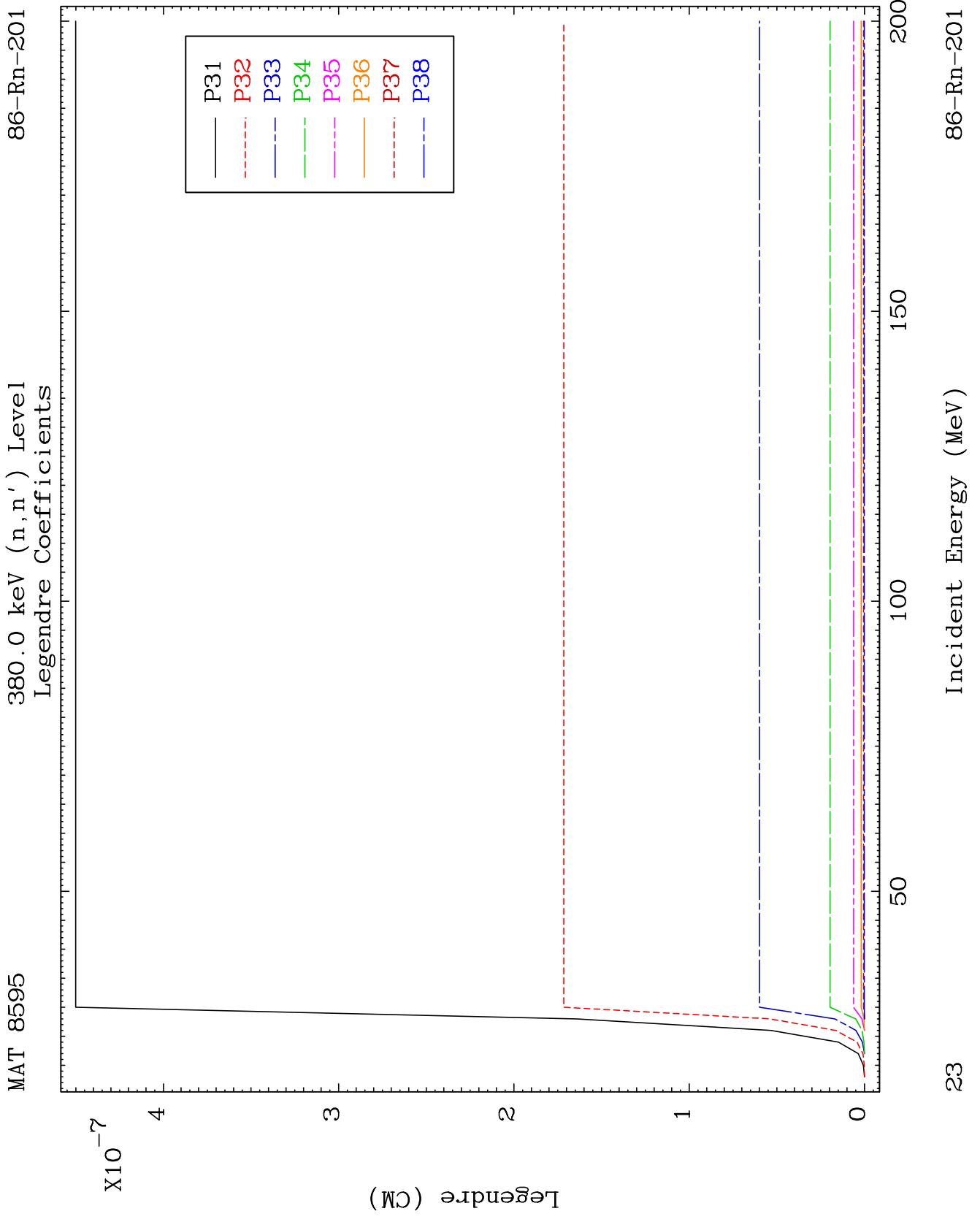


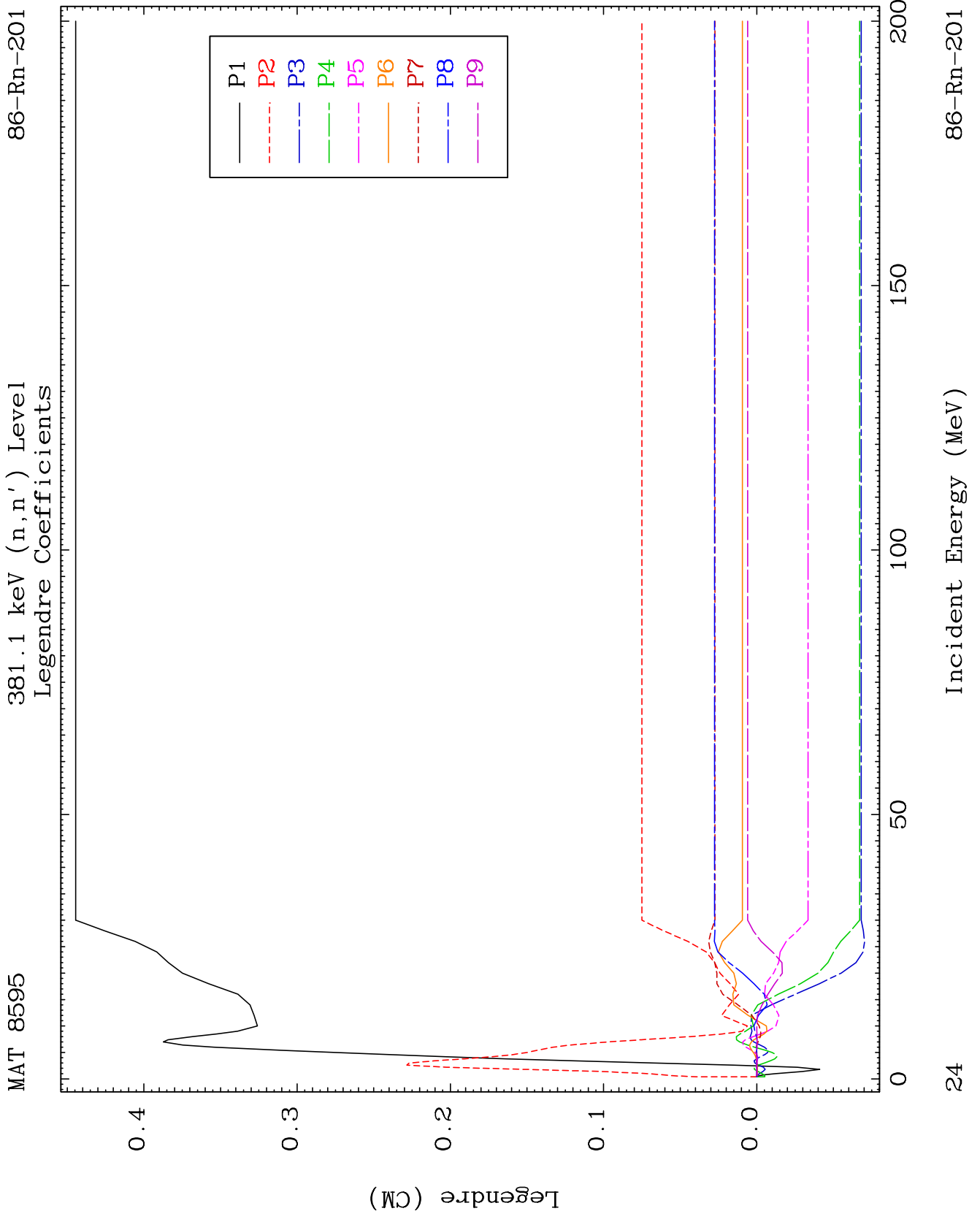
21

Incident Energy (MeV)

86-Rn-201



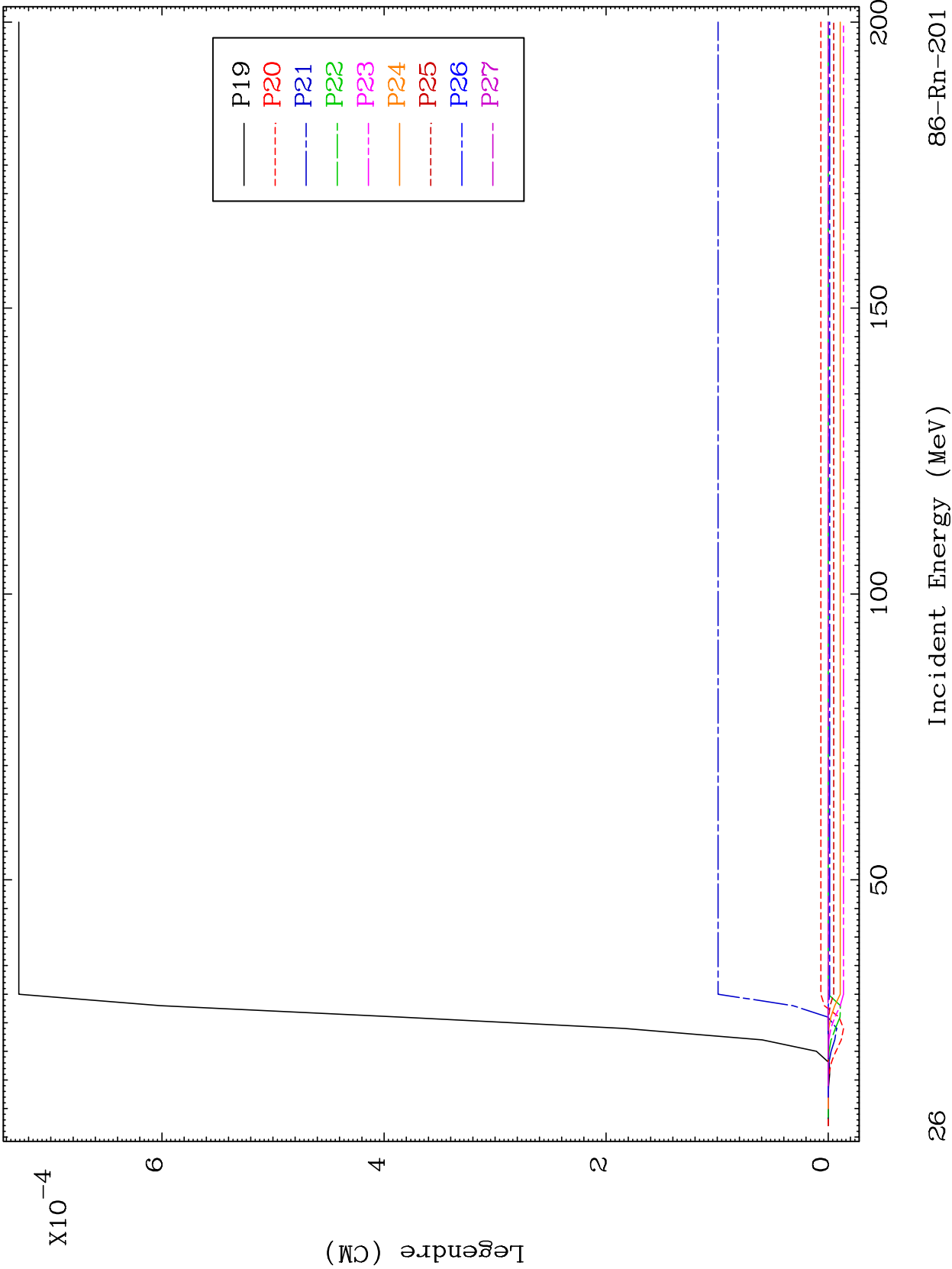




MAT 8595

381.1 keV (n,n') Level
Legendre Coefficients

86-Rn-201



26

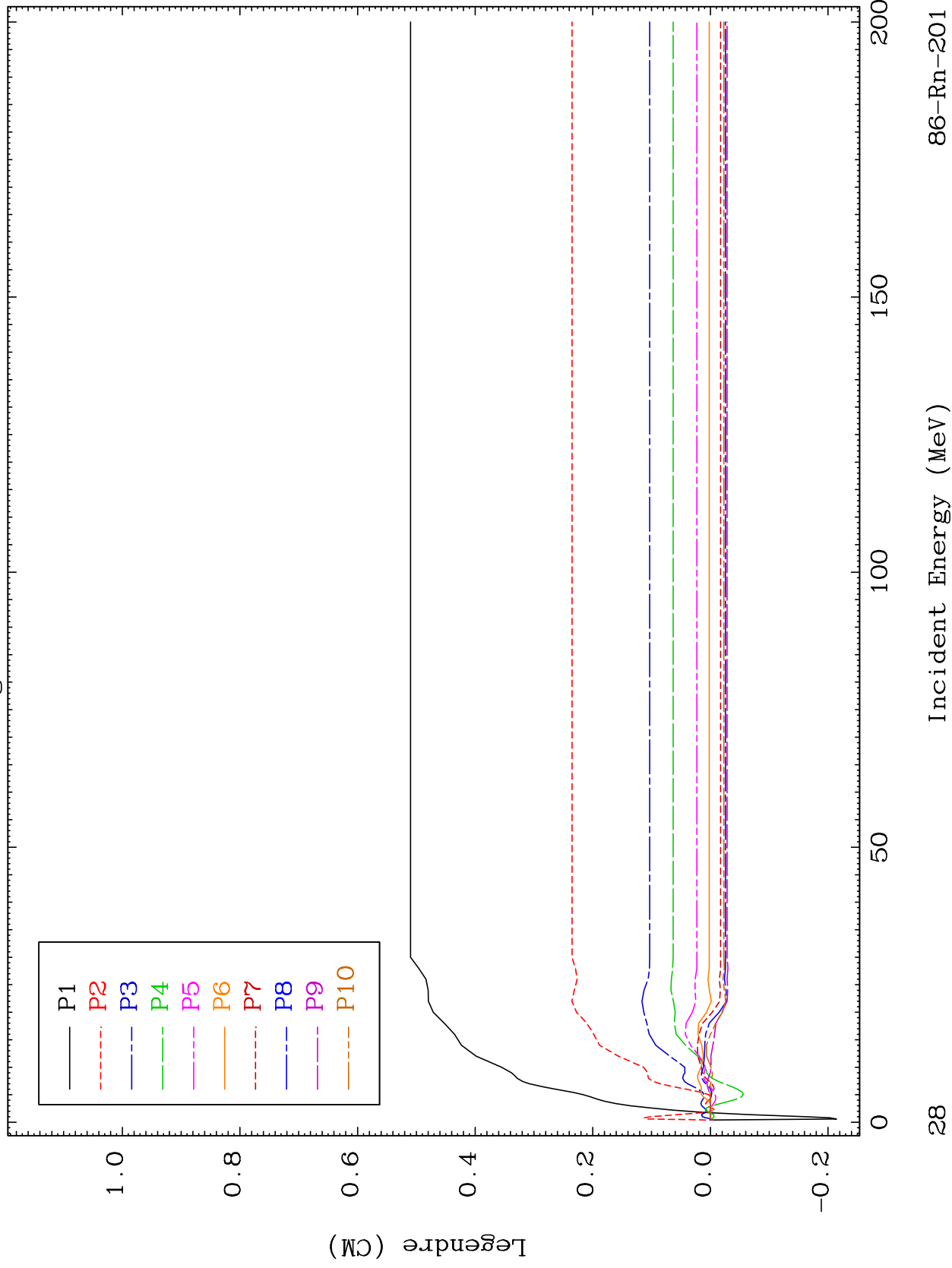
Incident Energy (MeV)

86-Rn-201

MAT 8595

390.4 keV (n,n') Level
Legendre Coefficients

86-Rn-201



86-Rn-201

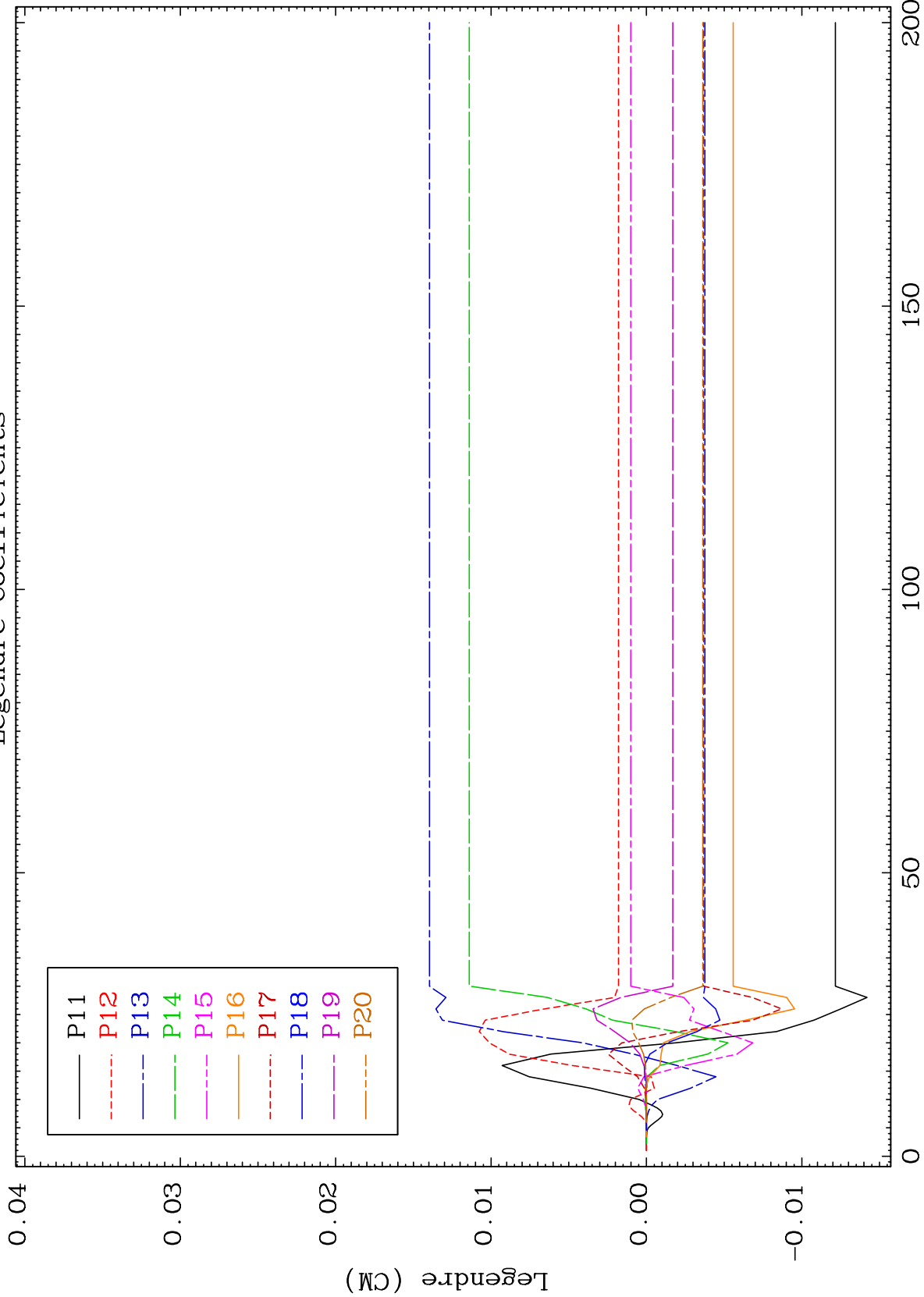
Incident Energy (MeV)

28

MAT 8595

390.4 keV (n,n') Level
Legendre Coefficients

86-Rn-201



29

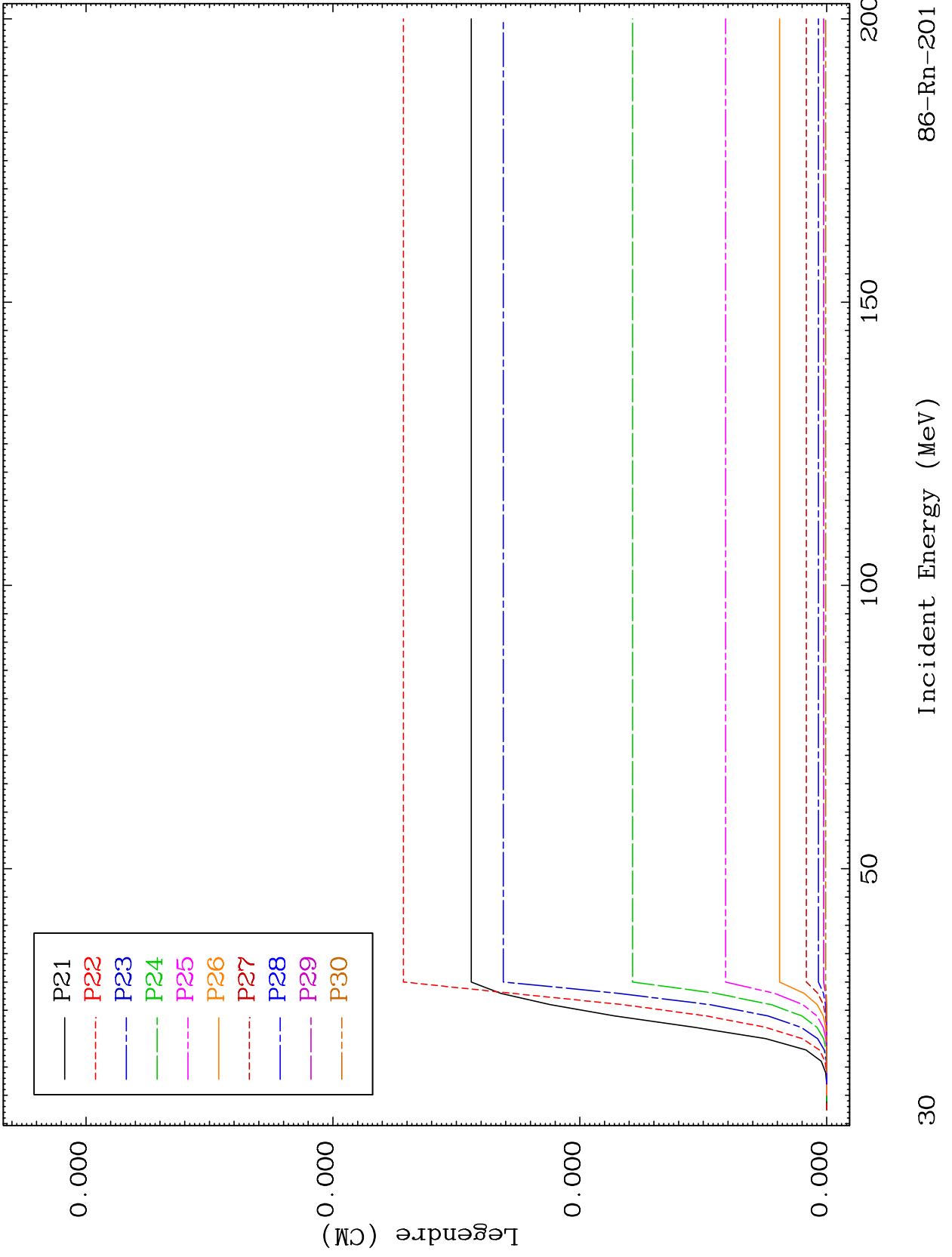
Incident Energy (MeV)

86-Rn-201

MAT 8595

390.4 keV (n,n') Level
Legendre Coefficients

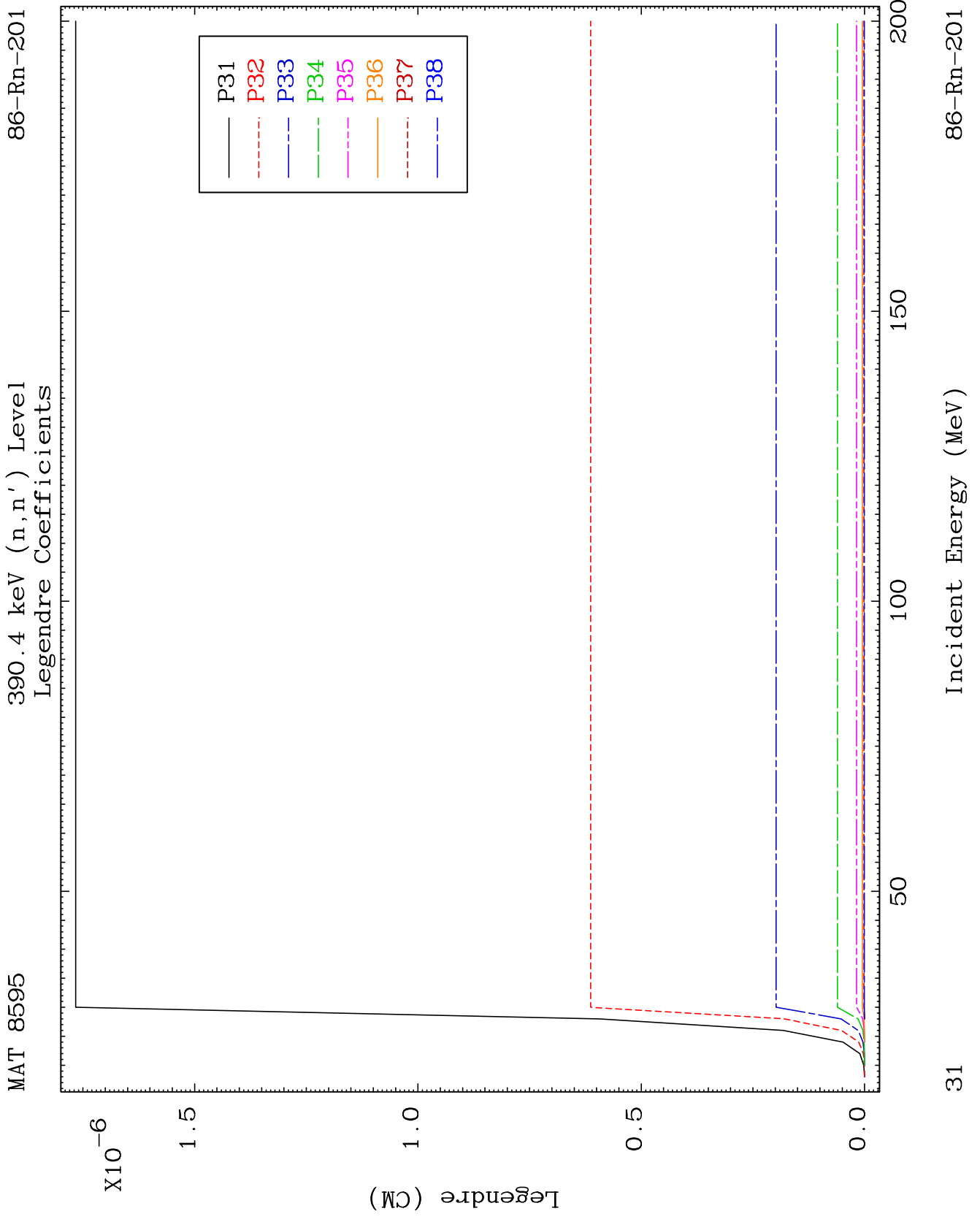
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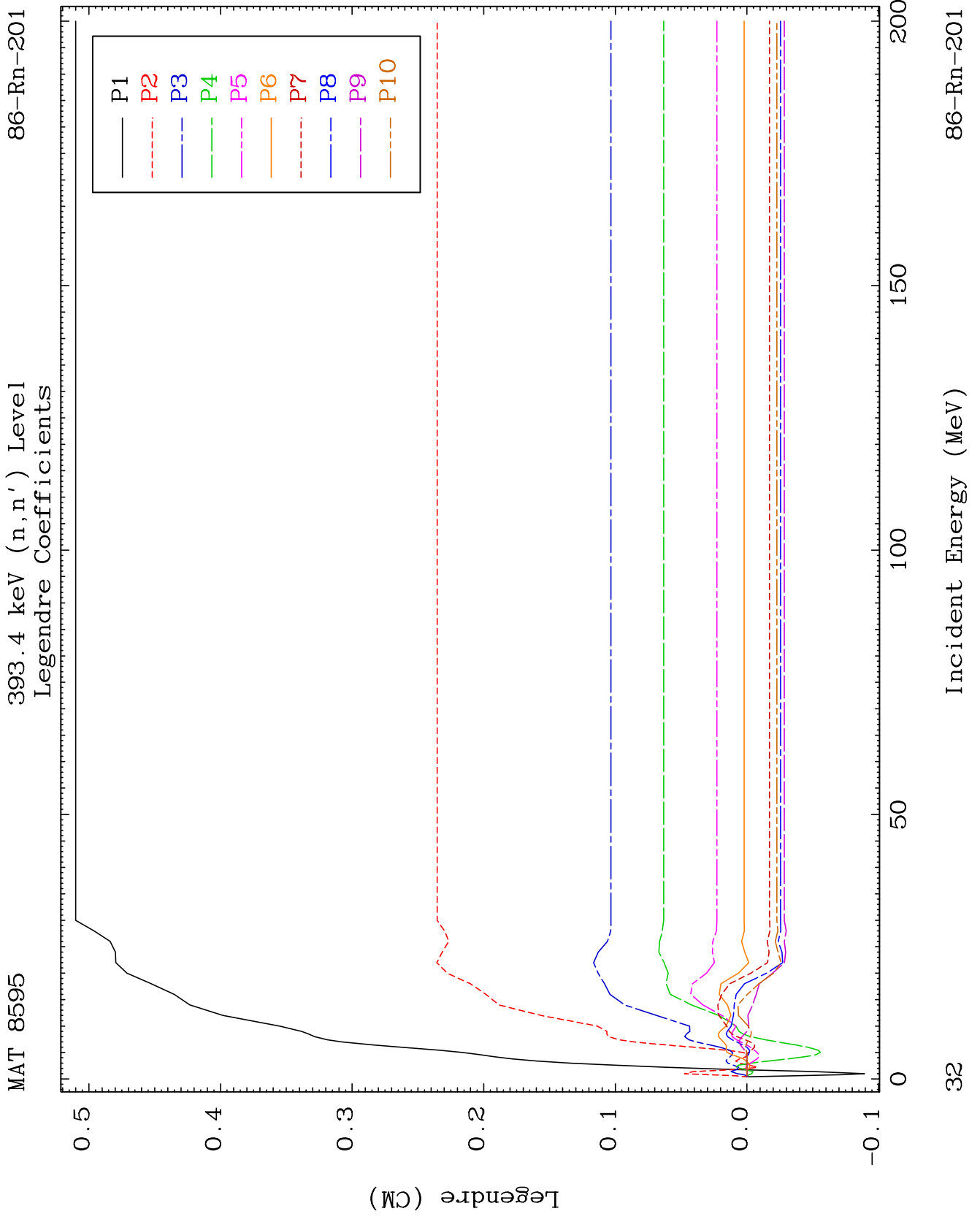


30

Incident Energy (MeV)

86-Rn-201

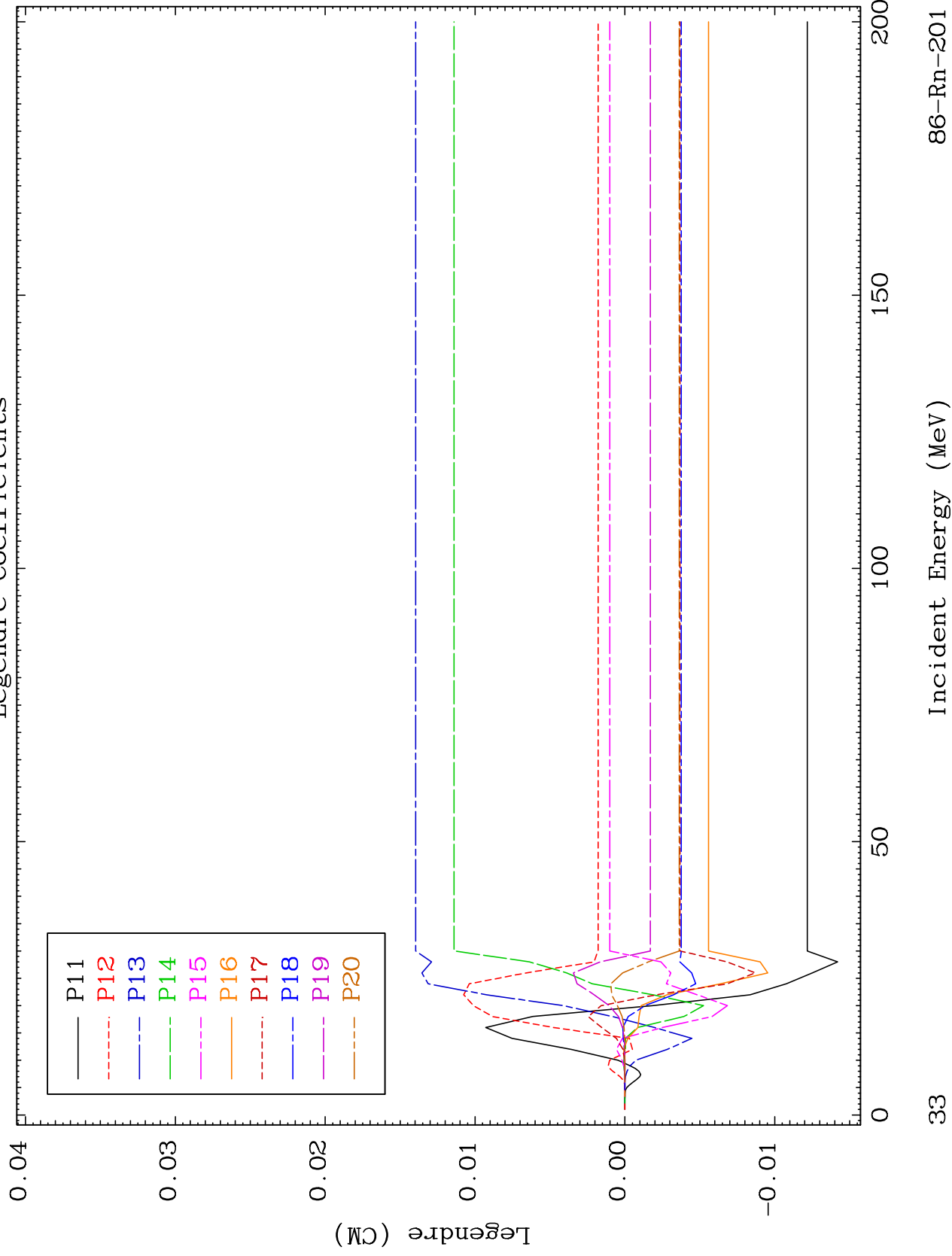




MAT 8595

393.4 keV (n,n') Level
Legendre Coefficients

86-Rn-201



33

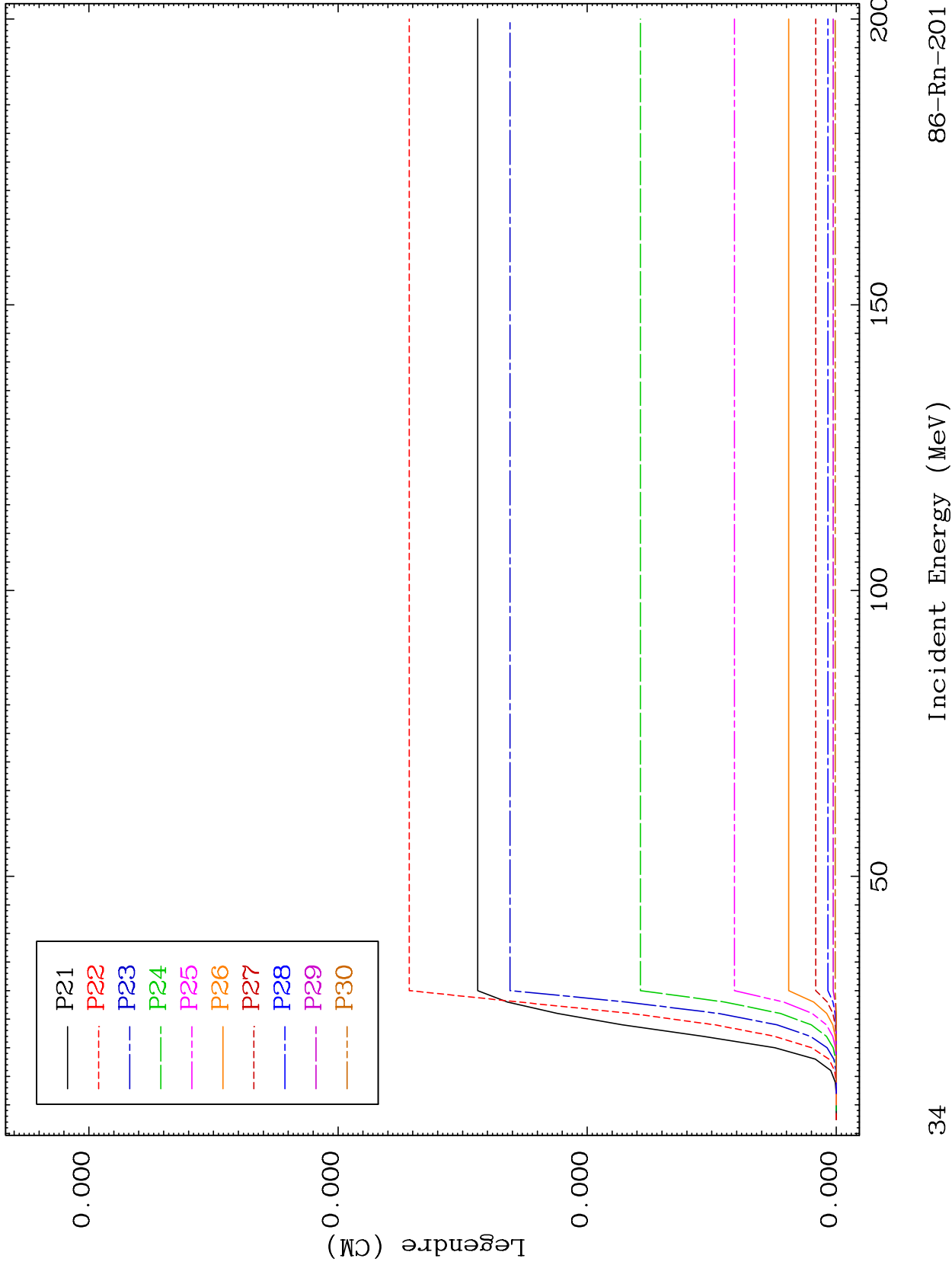
Incident Energy (MeV)

86-Rn-201

MAT 8595

393.4 keV (n,n') Level
Legendre Coefficients

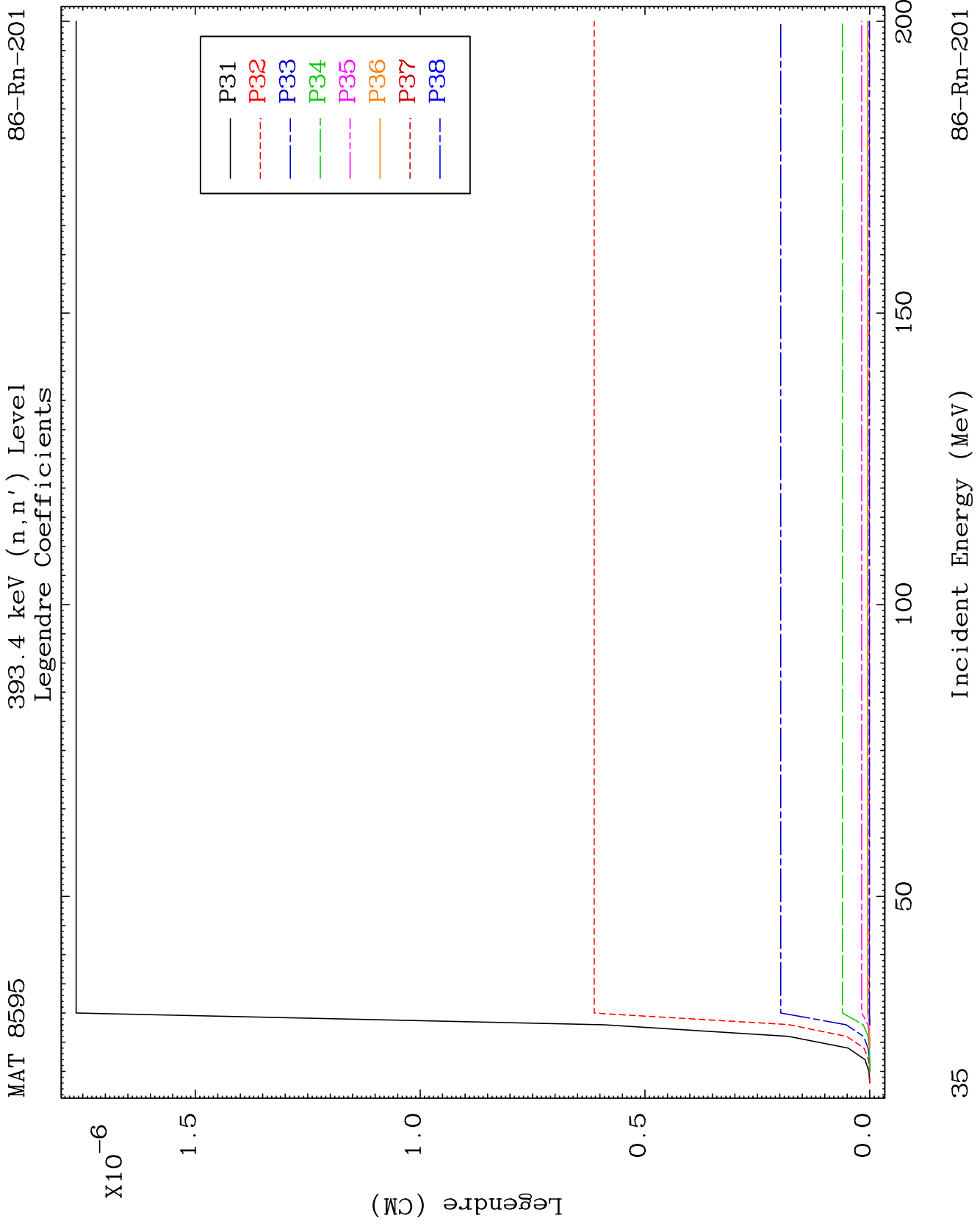
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34

Incident Energy (MeV)

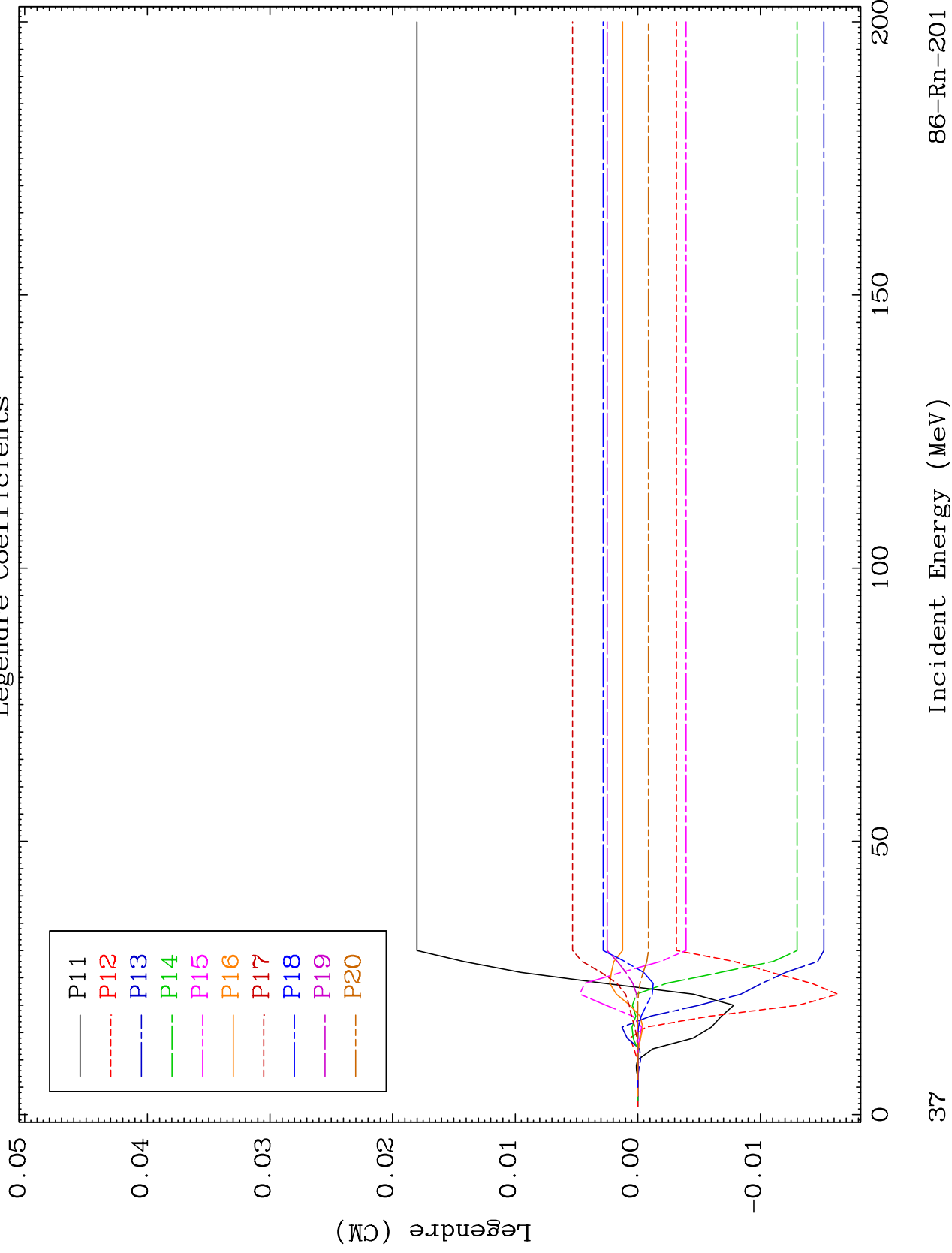
86-Rn-201



MAT 8595

404.8 keV (n,n') Level
Legendre Coefficients

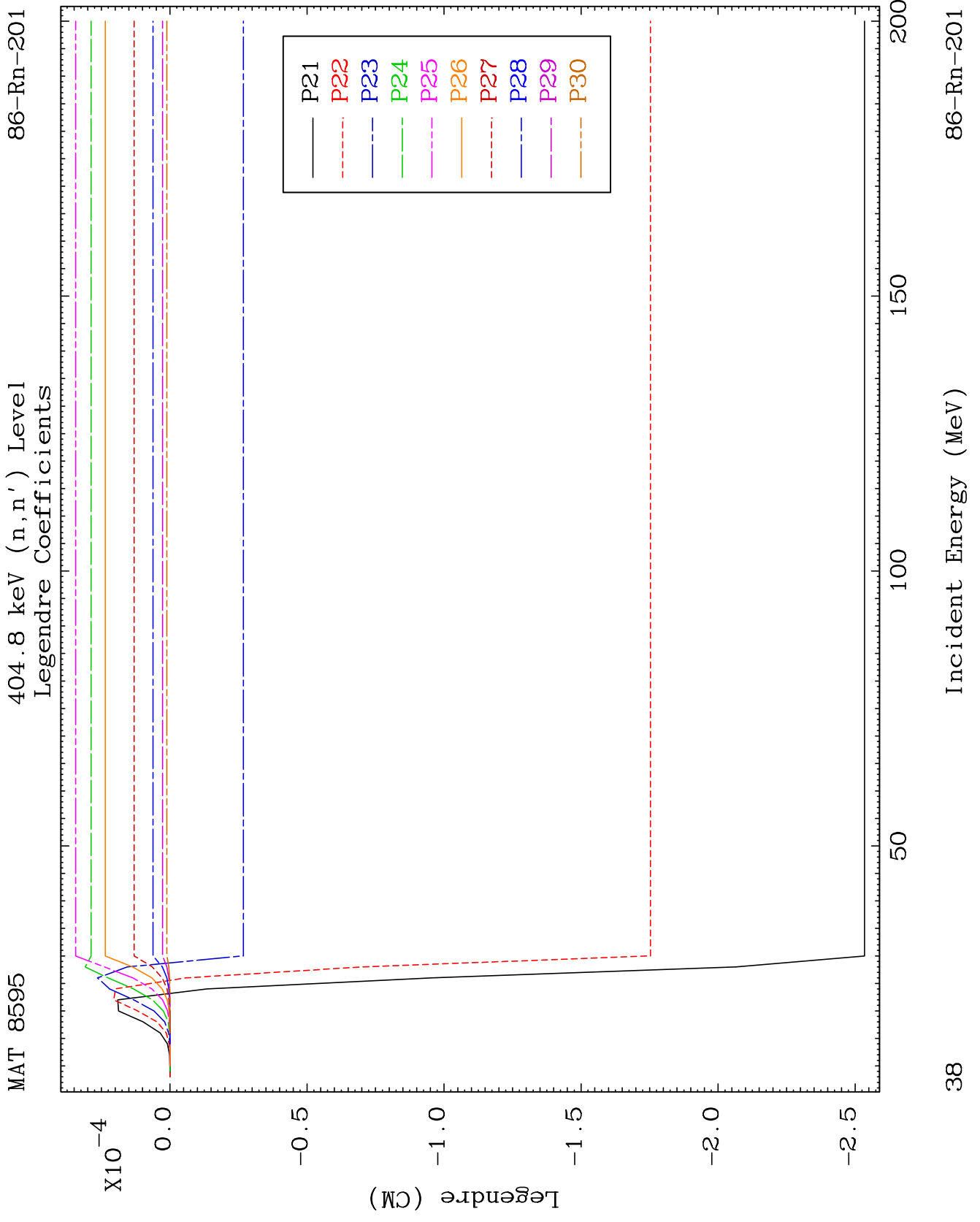
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37

Incident Energy (MeV)

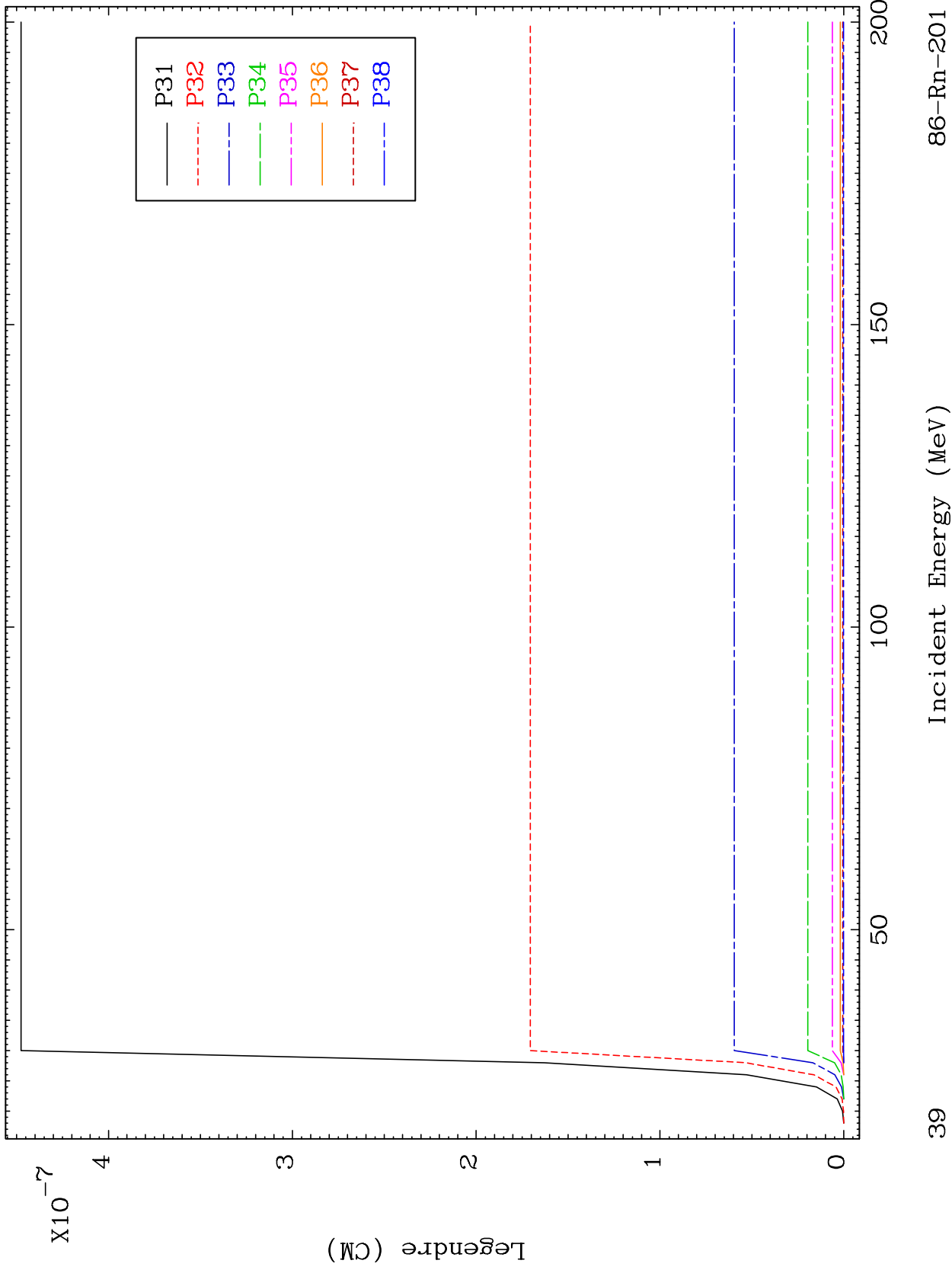
86-Rn-201



MAT 8595

404.8 keV (n, n') Level
Legendre Coefficients

86-Rn-201



39

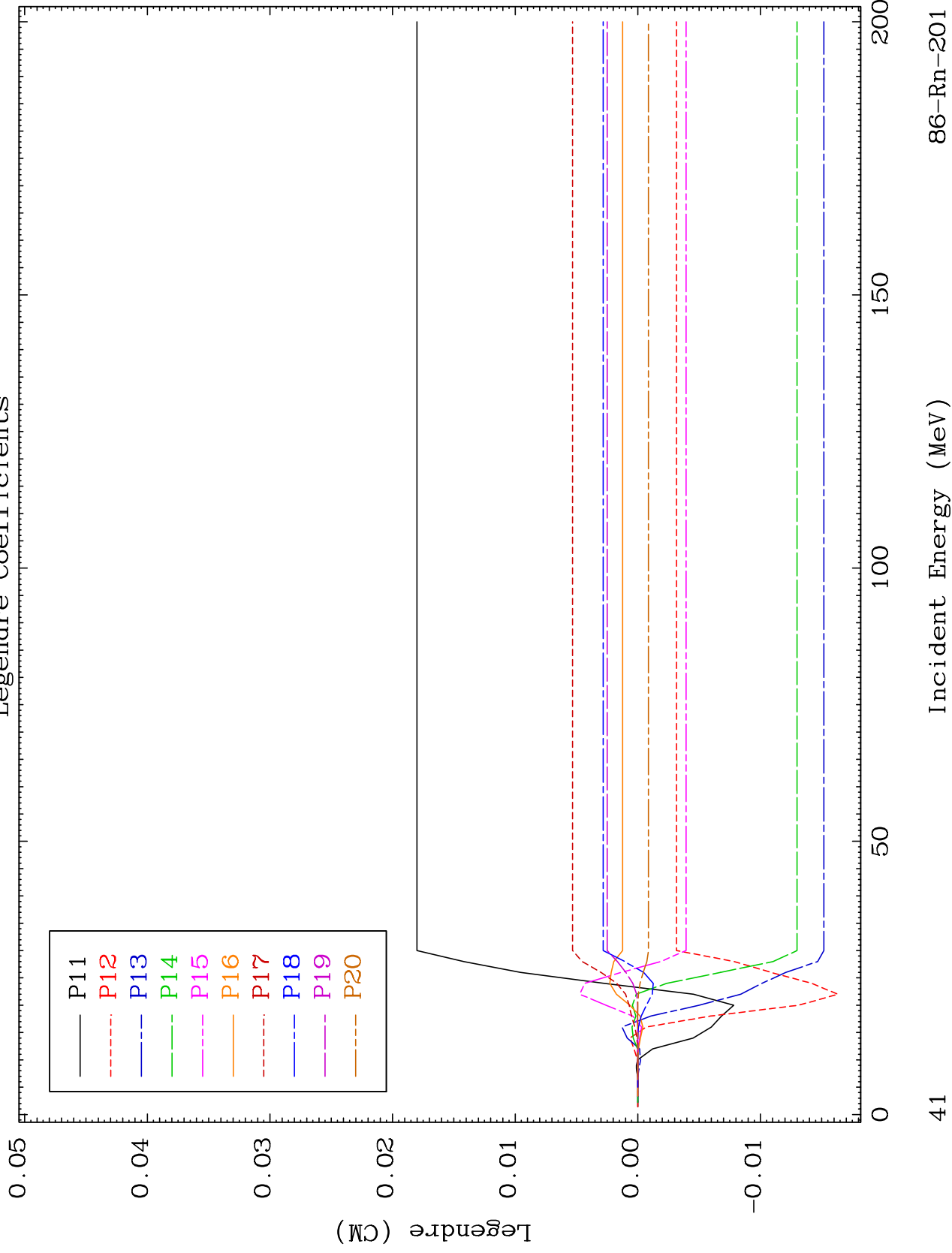
Incident Energy (MeV)

86-Rn-201

MAT 8595

406.0 keV (n,n') Level
Legendre Coefficients

86-Rn-201



41

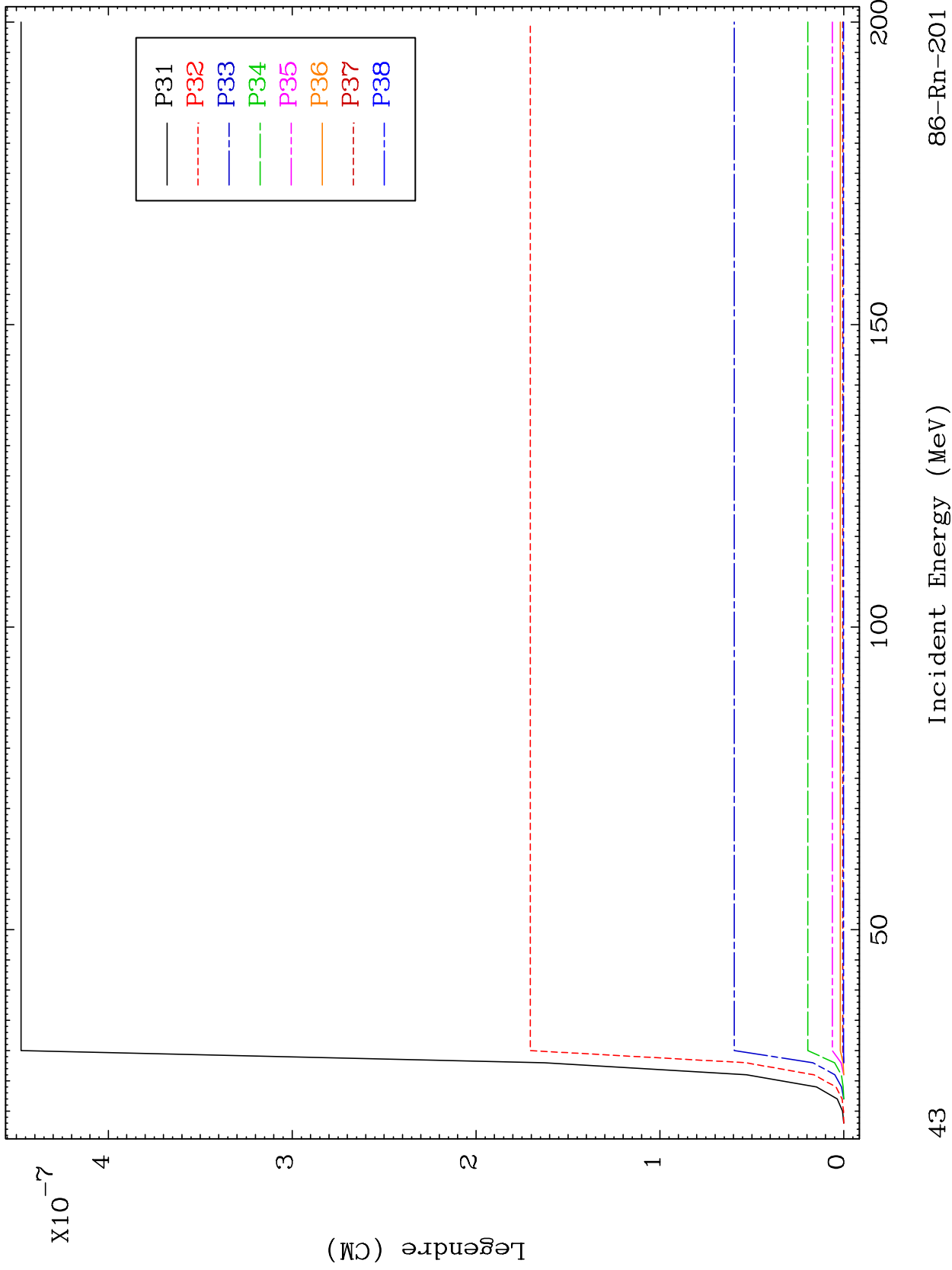
Incident Energy (MeV)

86-Rn-201

MAT 8595

406.0 keV (n,n') Level
Legendre Coefficients

86-Rn-201



43

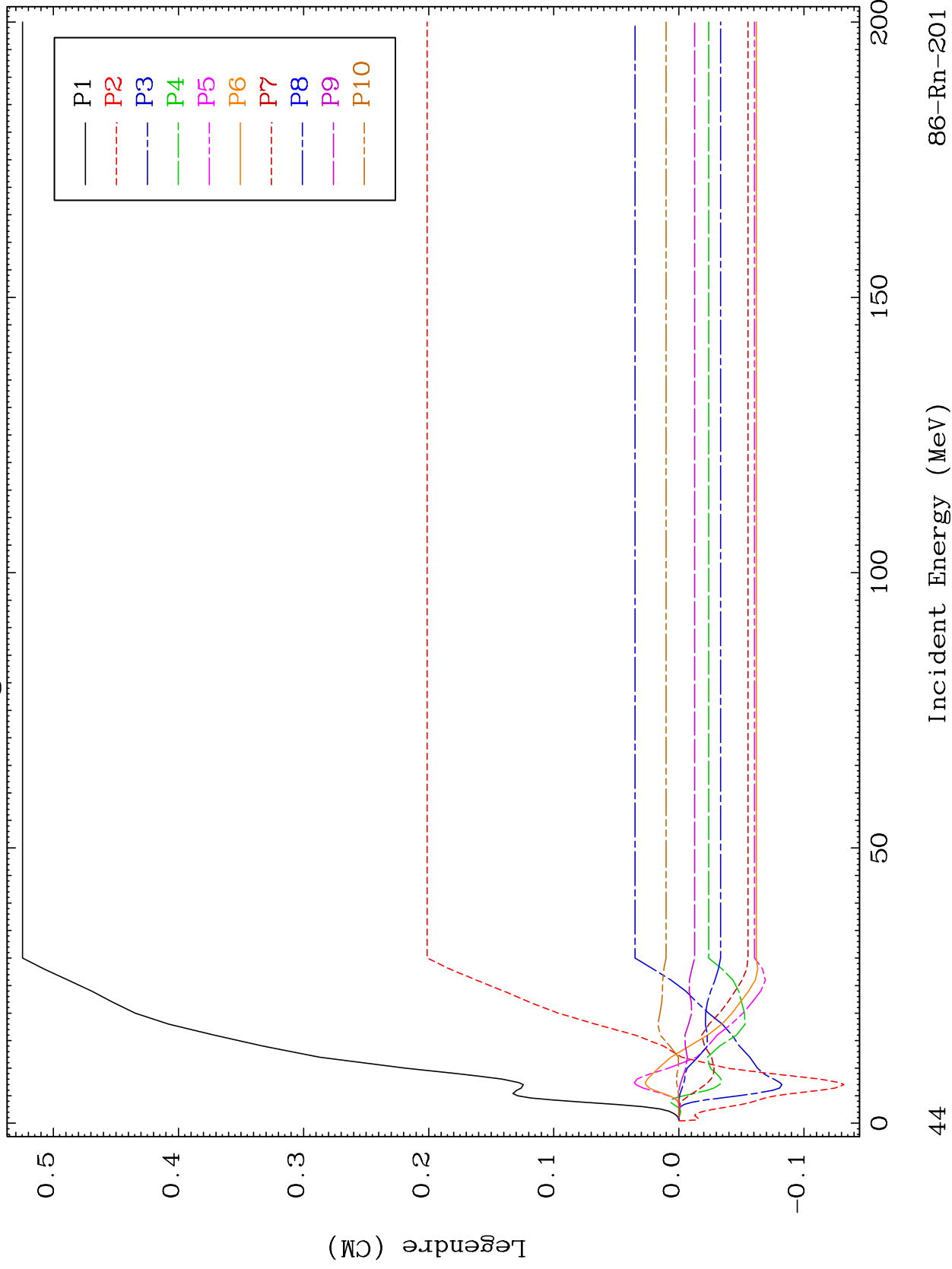
Incident Energy (MeV)

86-Rn-201

MAT 8595

408.3 keV (n,n') Level
Legendre Coefficients

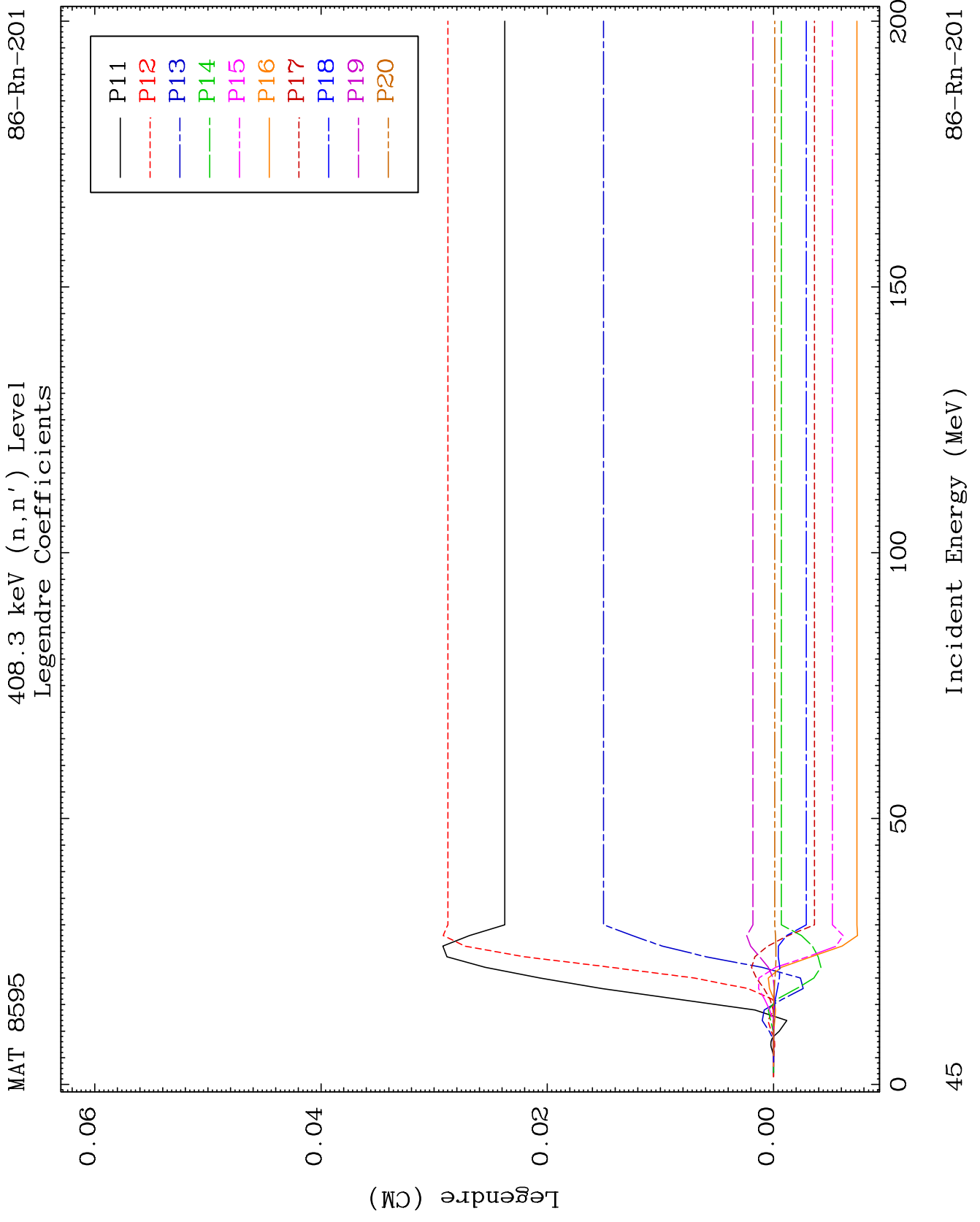
86-Rn-201



44

Incident Energy (MeV)

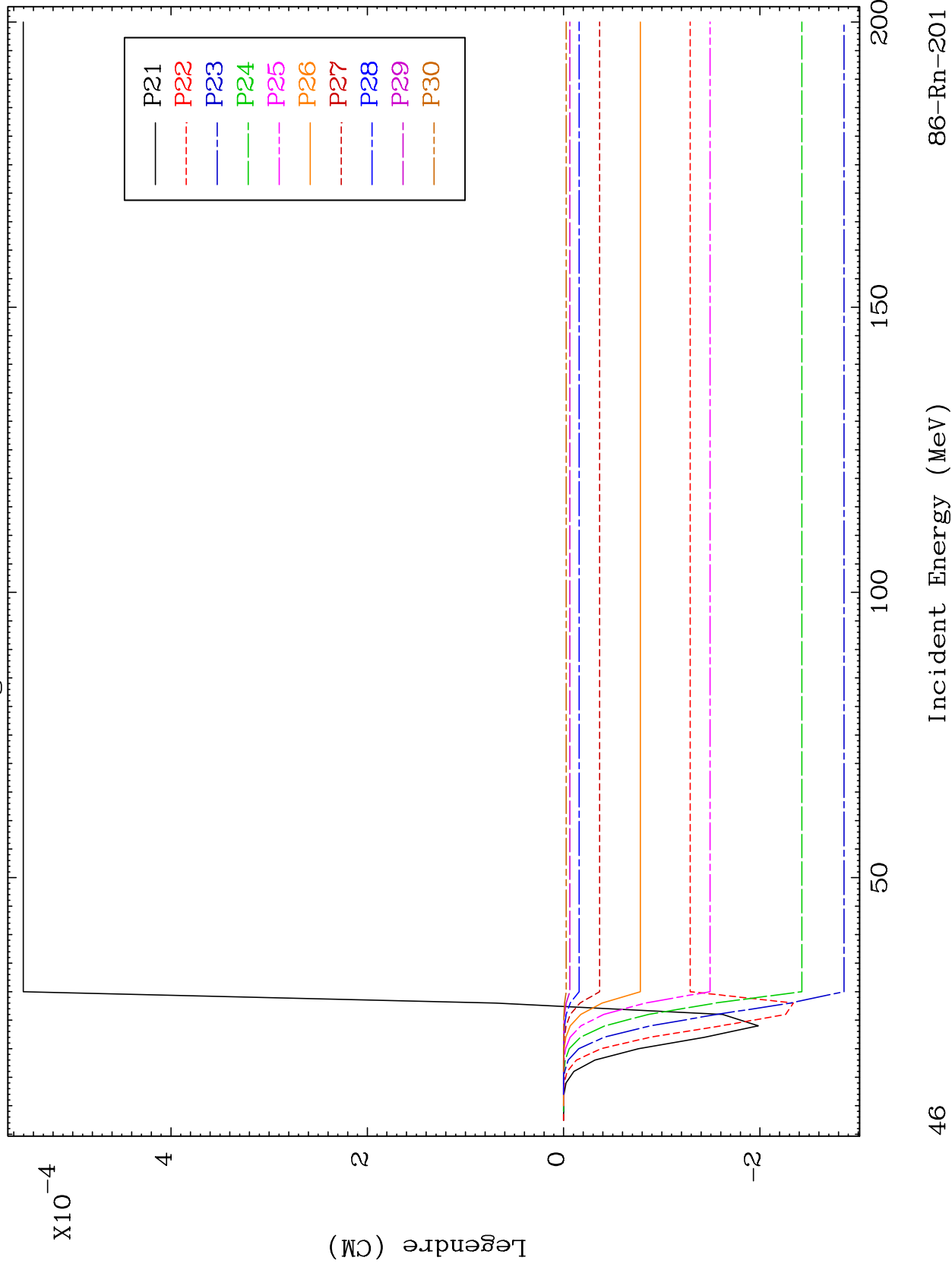
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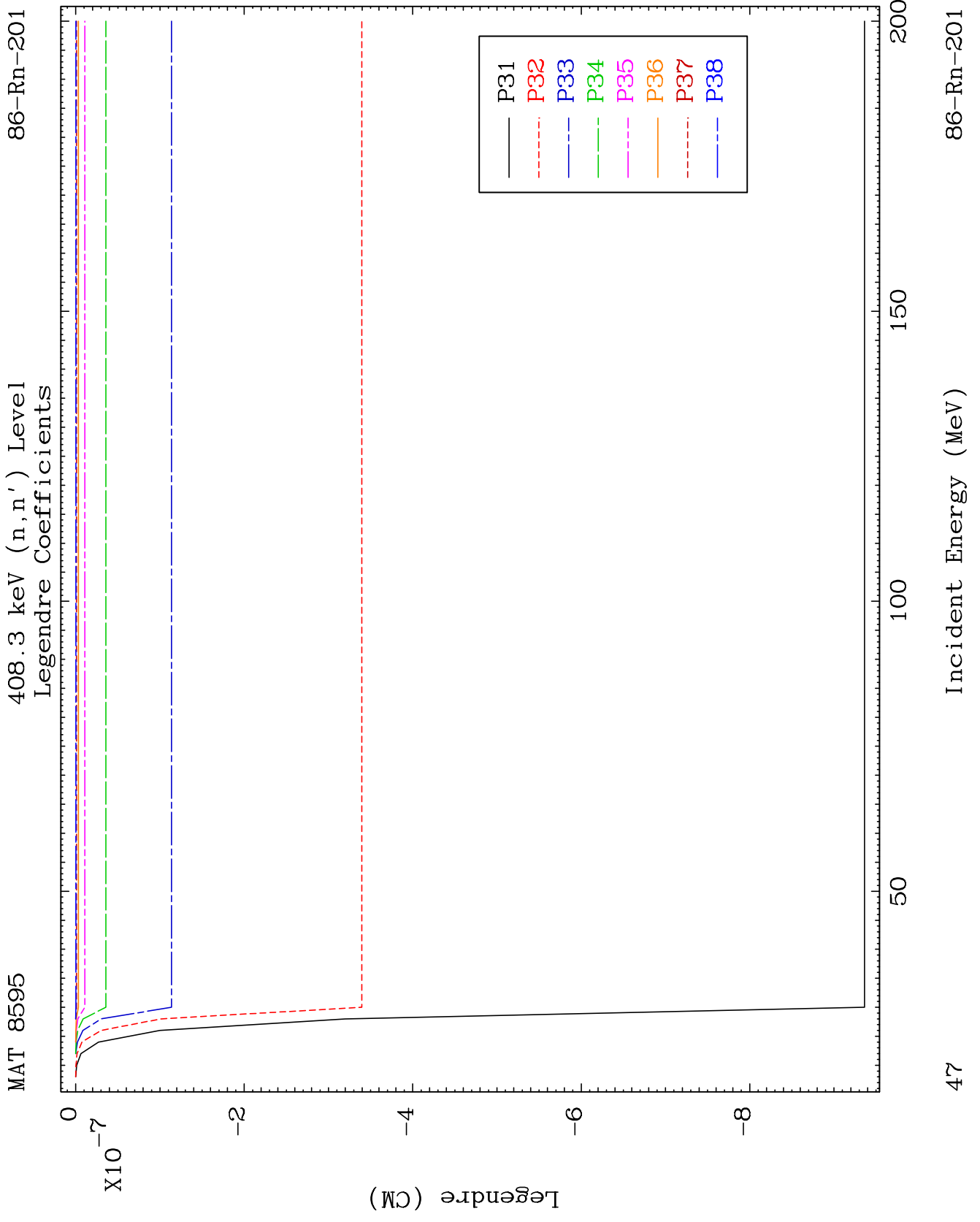


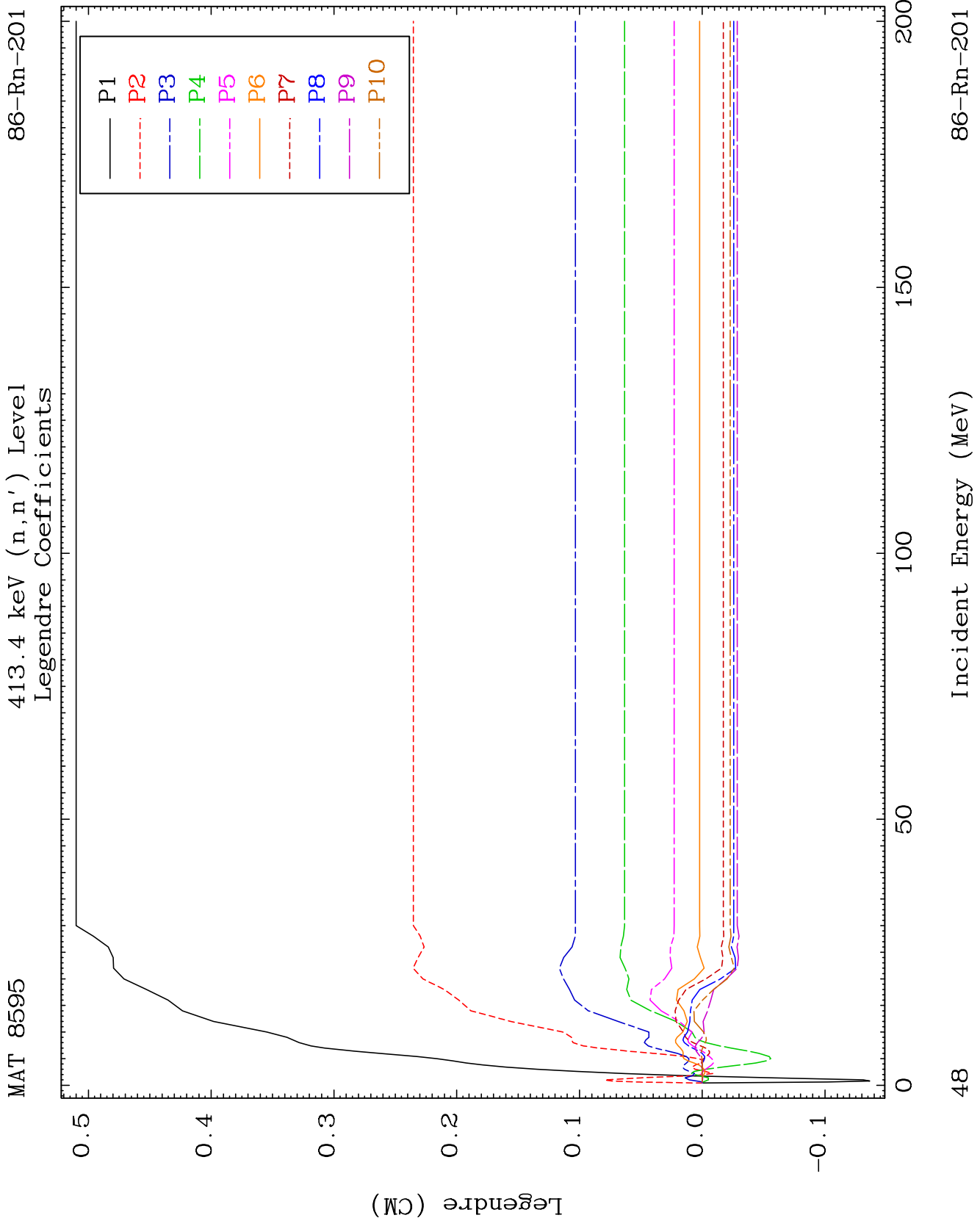
MAT 8595

408.3 keV (n,n') Level
Legendre Coefficients

86-Rn-201



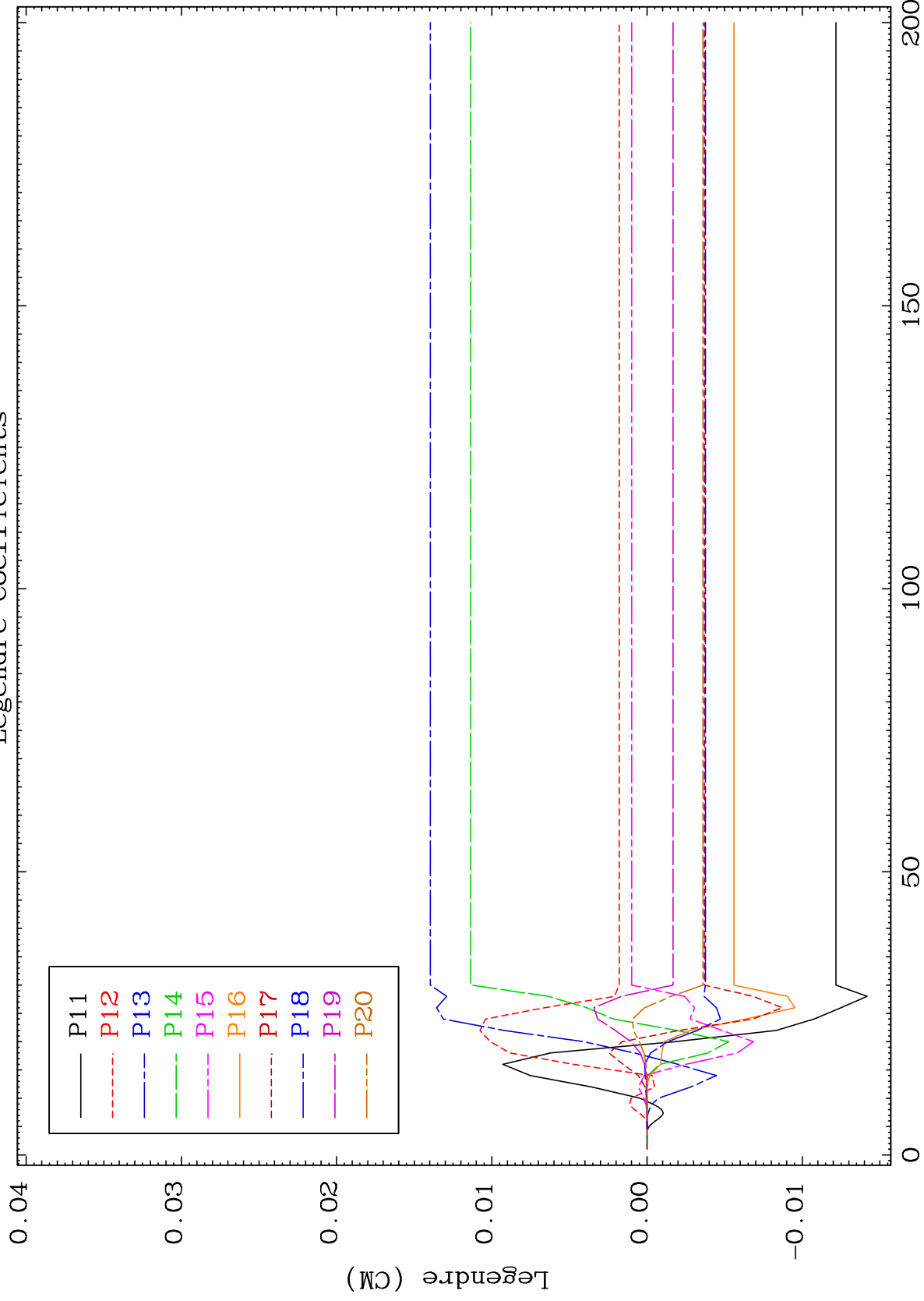




MAT 8595

413.4 keV (n,n') Level
Legendre Coefficients

86-Rn-201



49

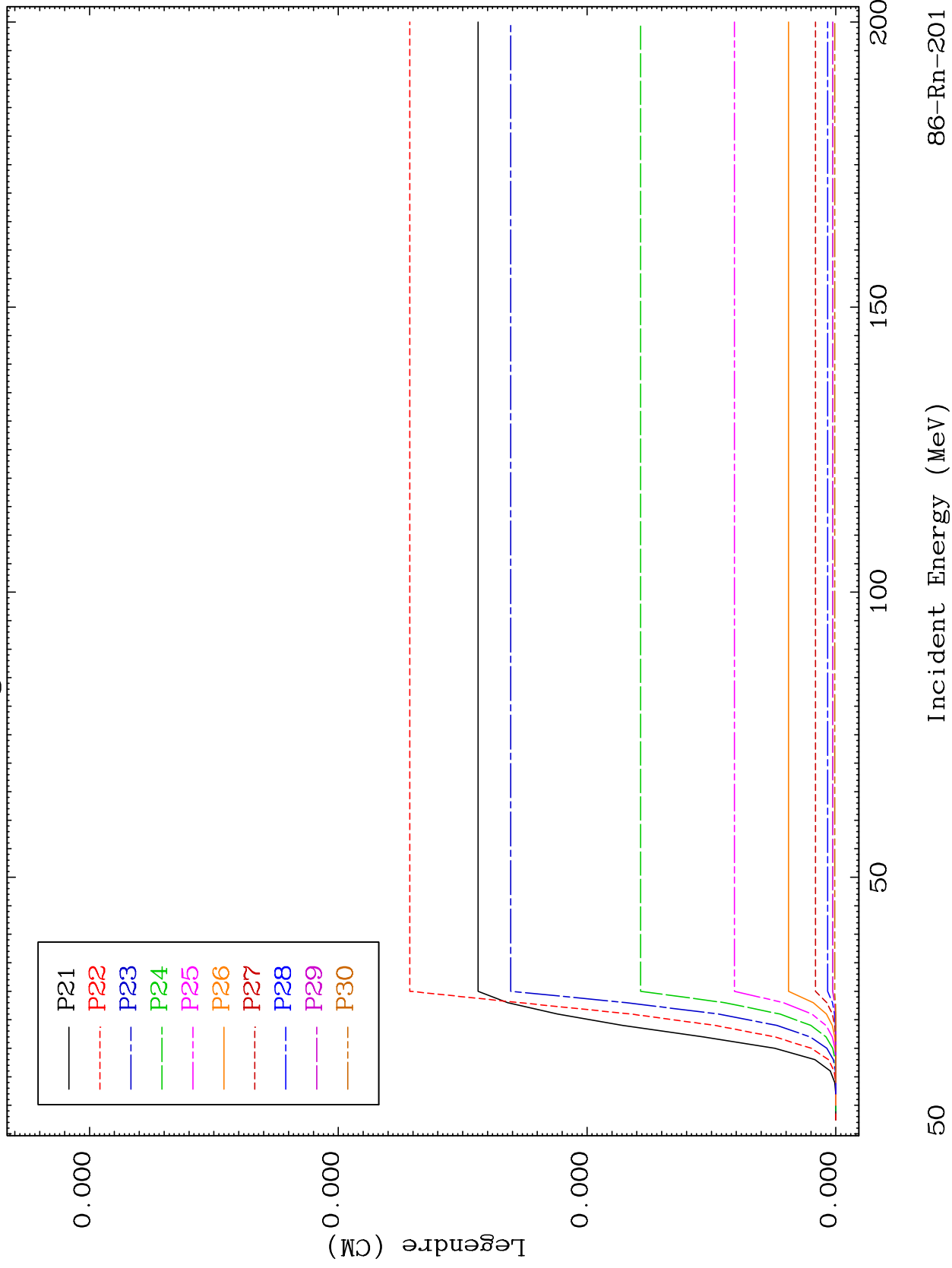
Incident Energy (MeV)

86-Rn-201

MAT 8595

413.4 keV (n,n') Level
Legendre Coefficients

86-Rn-201



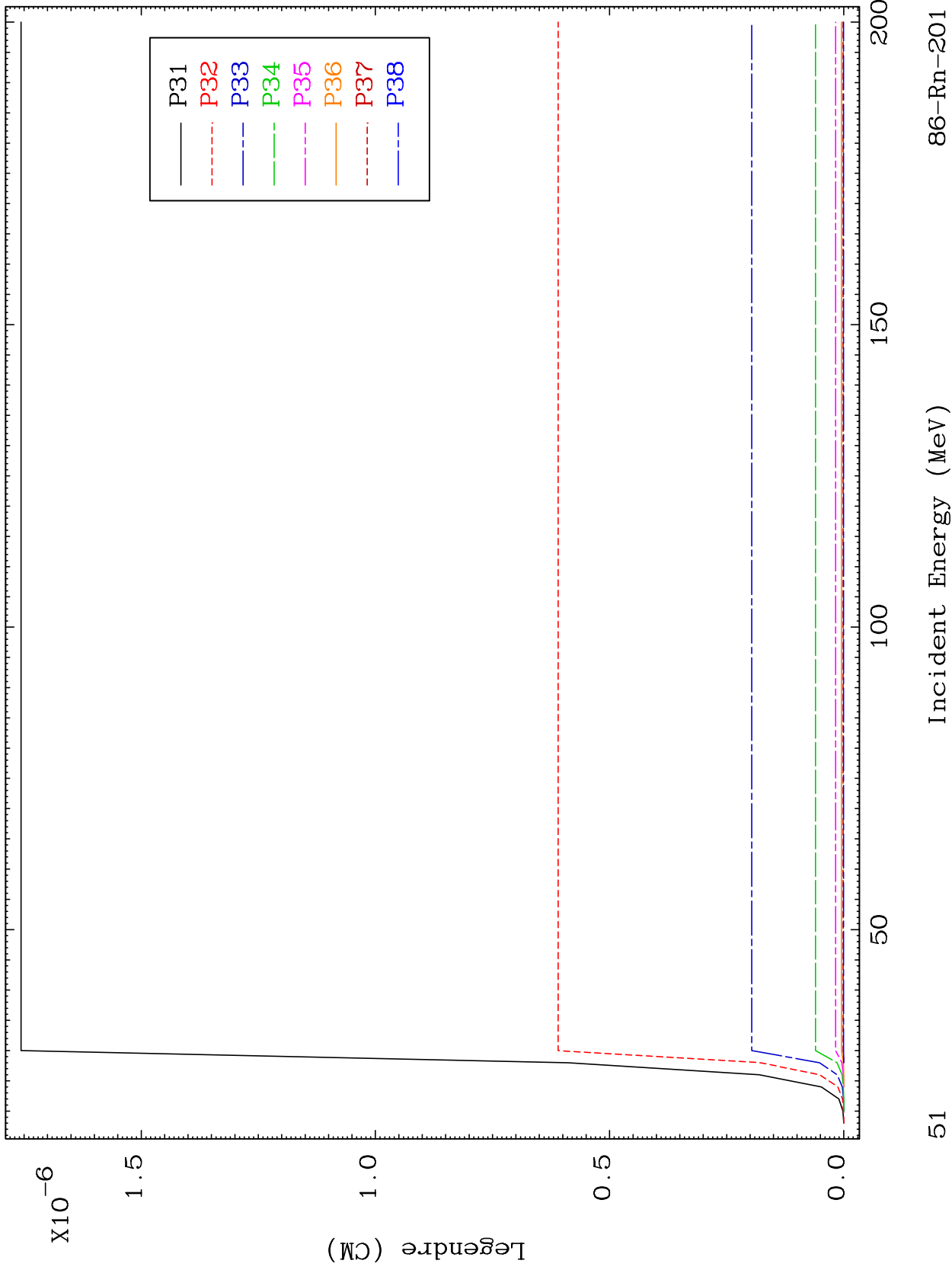
50

50

100

150

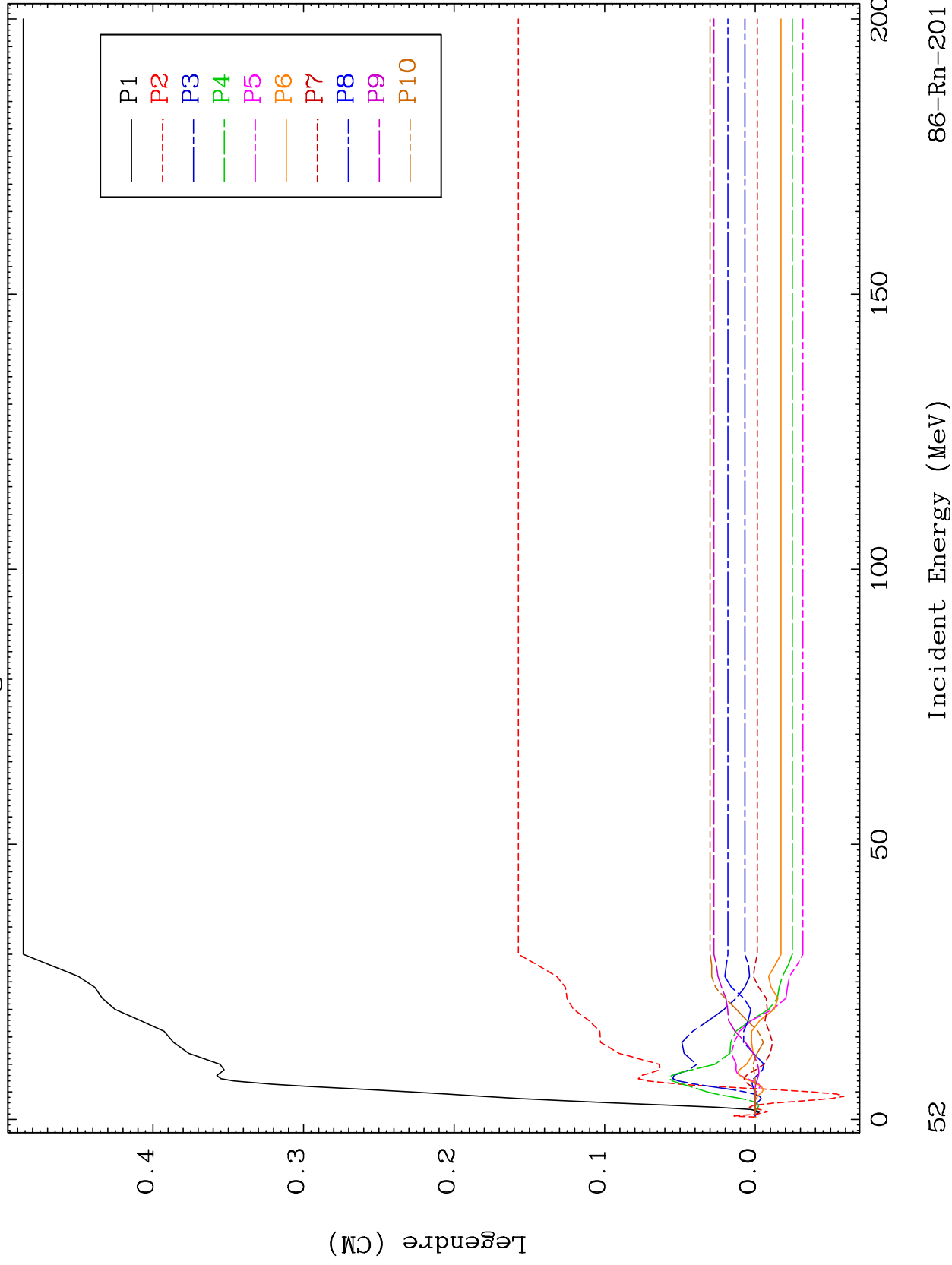
200



MAT 8595

418.1 keV (n,n') Level
Legendre Coefficients

86-Rn-201



86-Rn-201

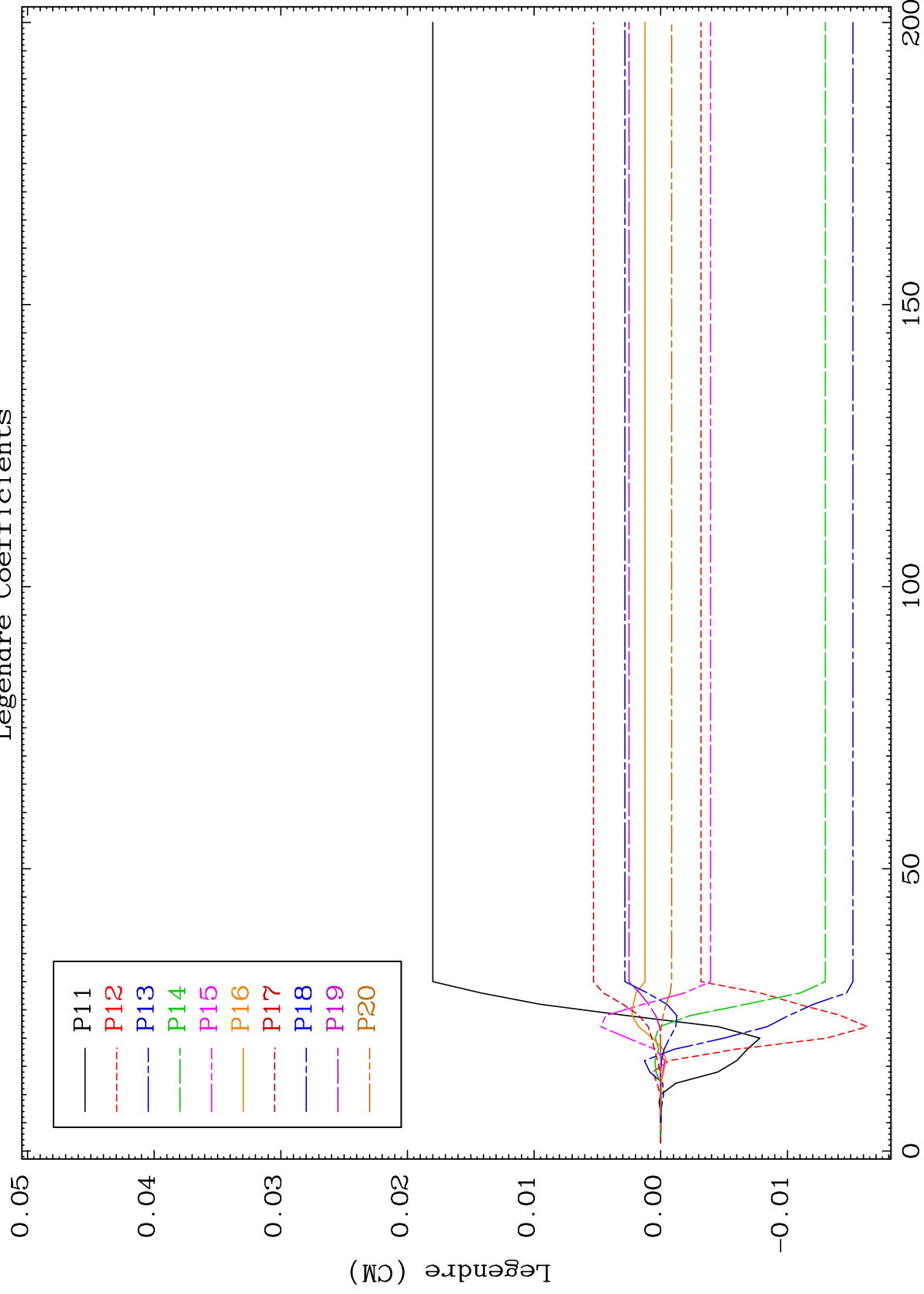
Incident Energy (MeV)

52

MAT 8595

418.1 keV (n,n') Level
Legendre Coefficients

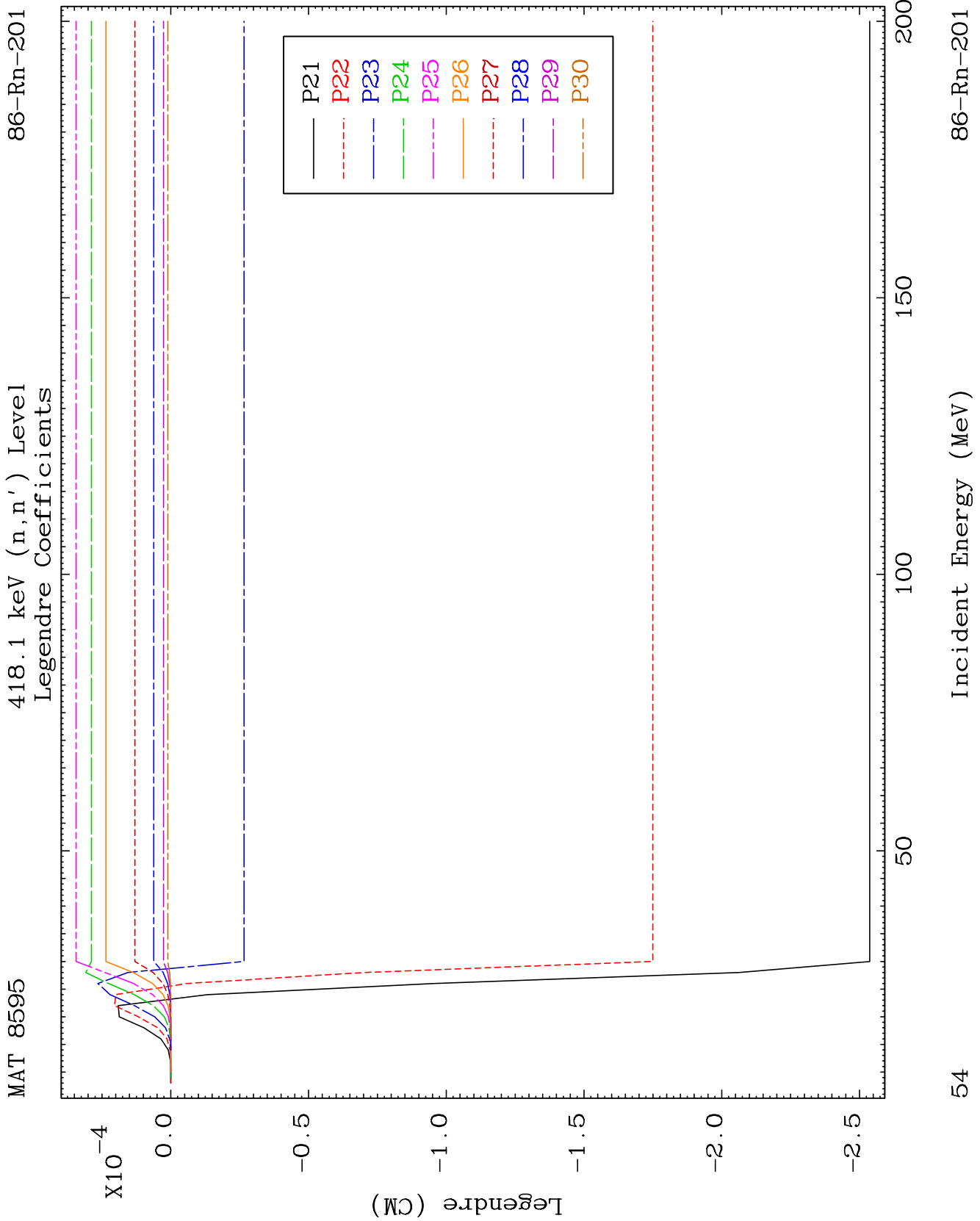
86-Rn-201



53

Incident Energy (MeV)

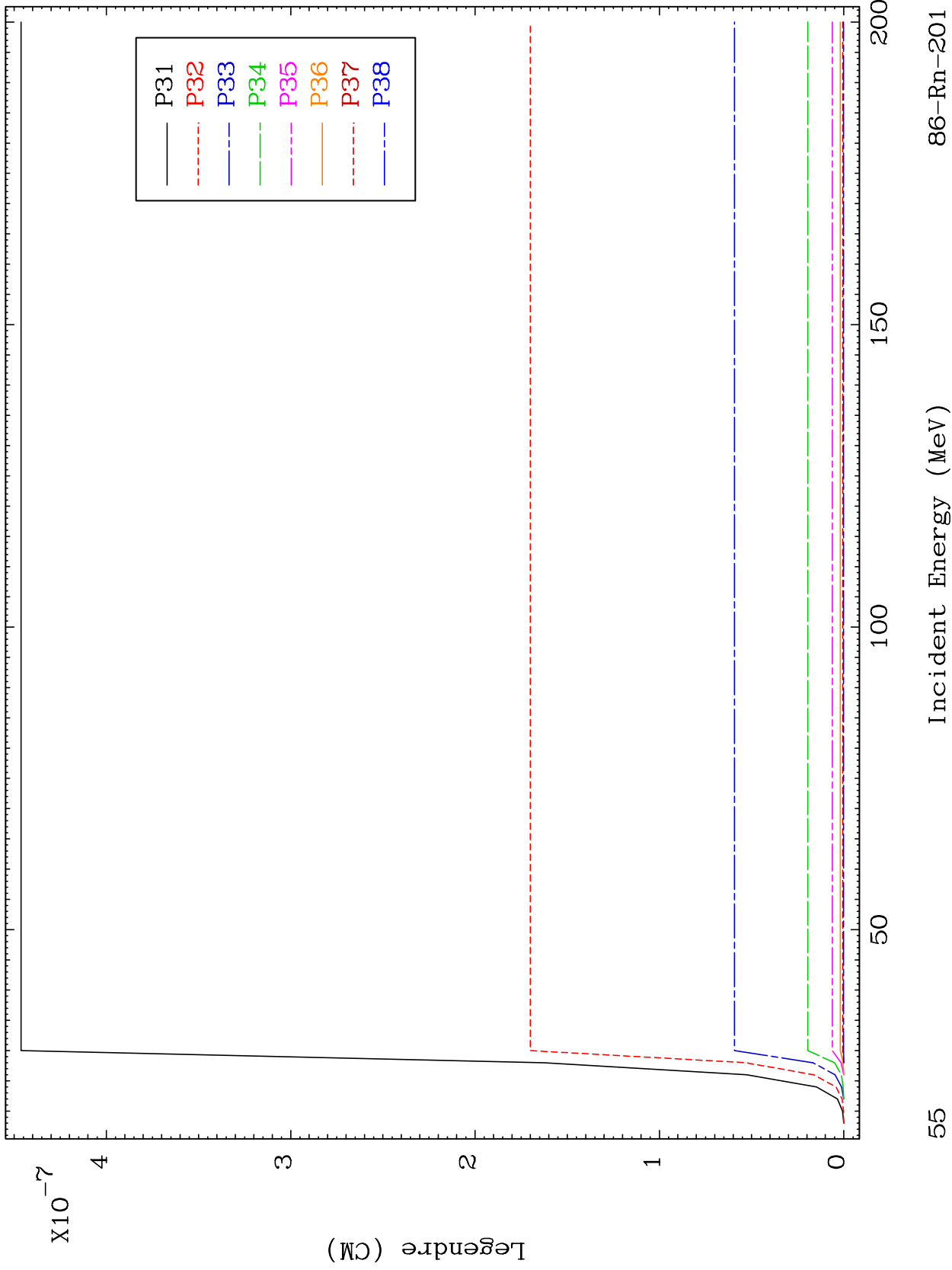
86-Rn-201



MAT 8595

418.1 keV (n,n') Level
Legendre Coefficients

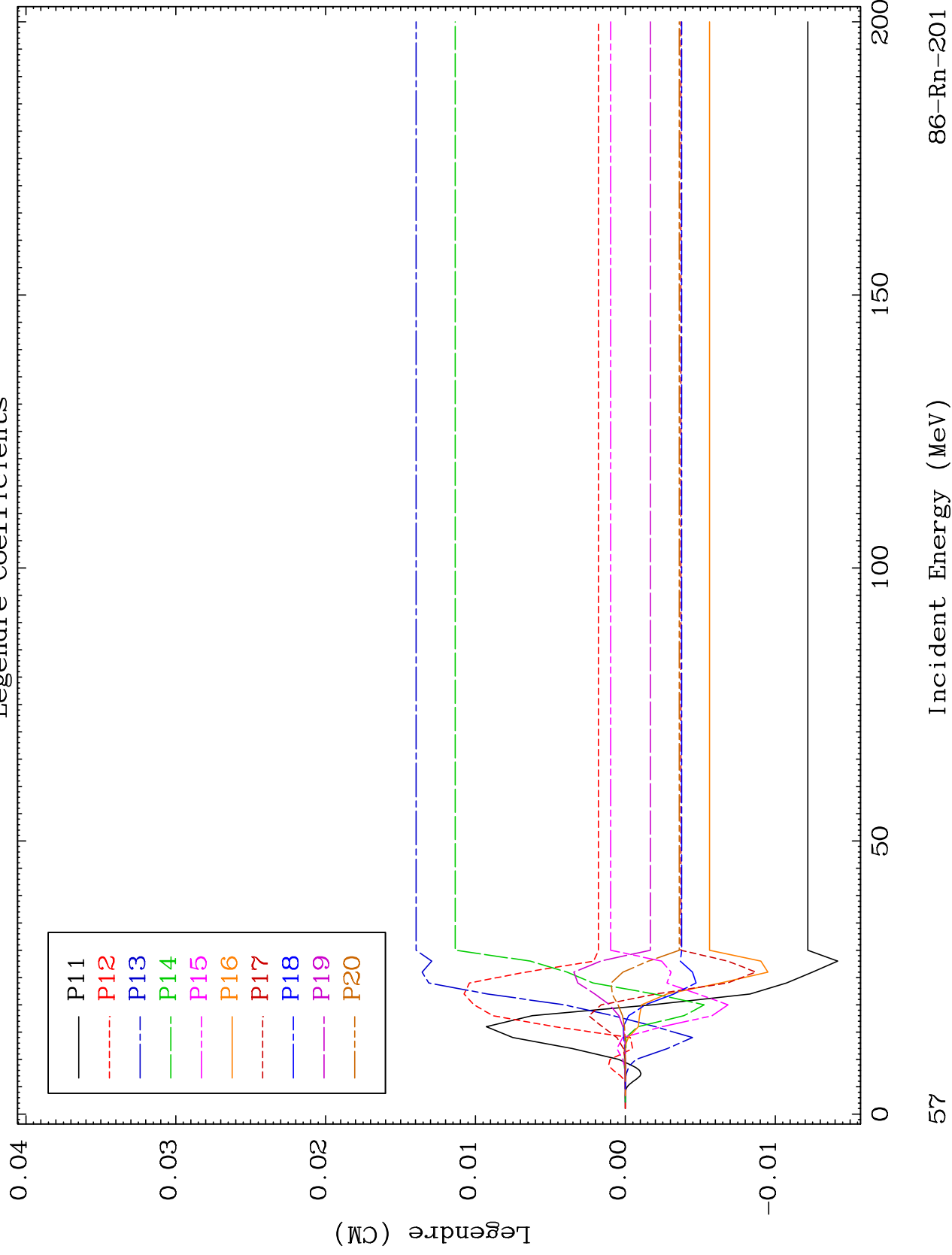
86-Rn-201



MAT 8595

425.3 keV (n,n') Level
Legendre Coefficients

86-Rn-201



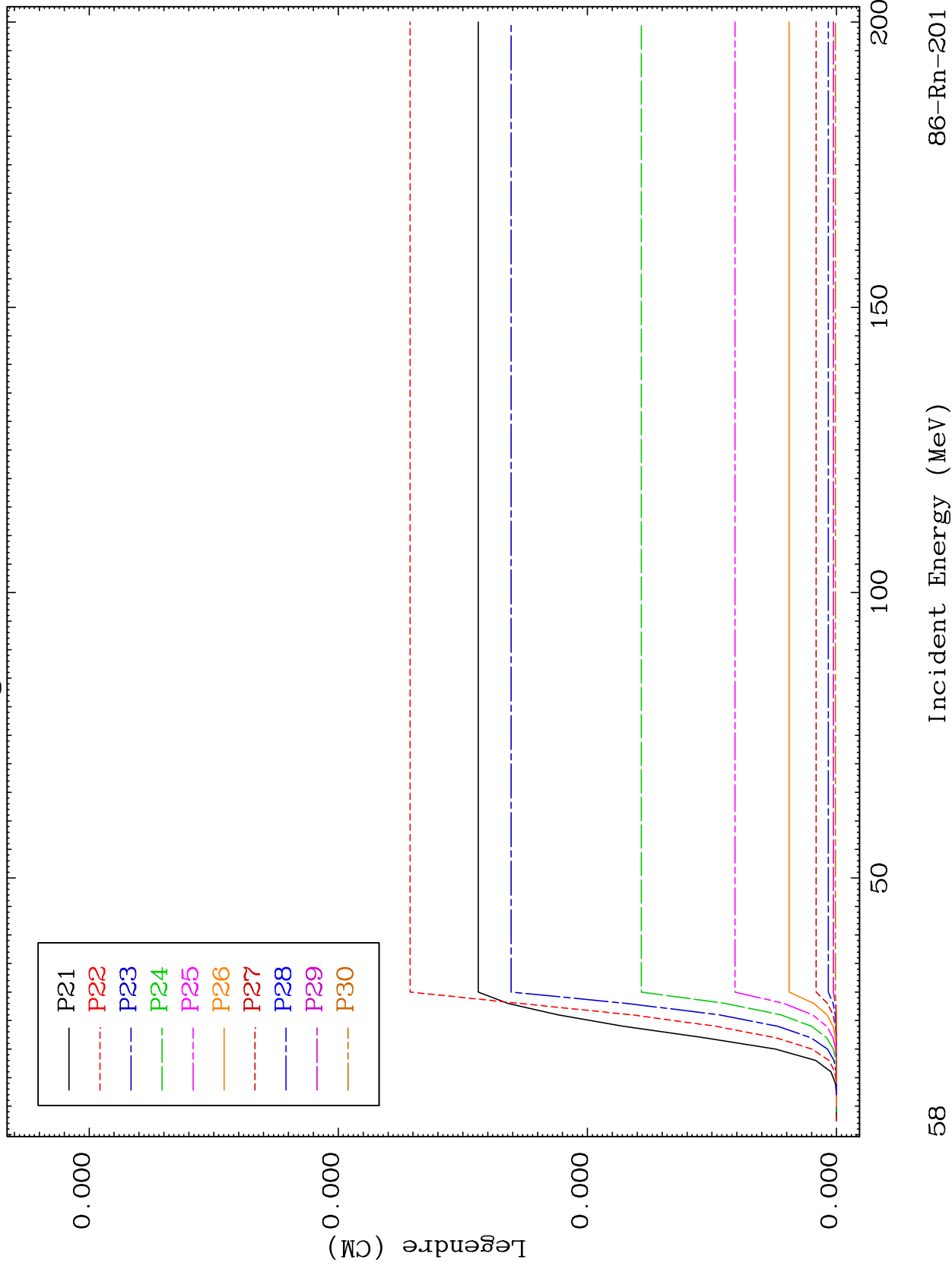
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86-Rn-201

MAT 8595

425.3 keV (n,n') Level
Legendre Coefficients

86-Rn-201



58

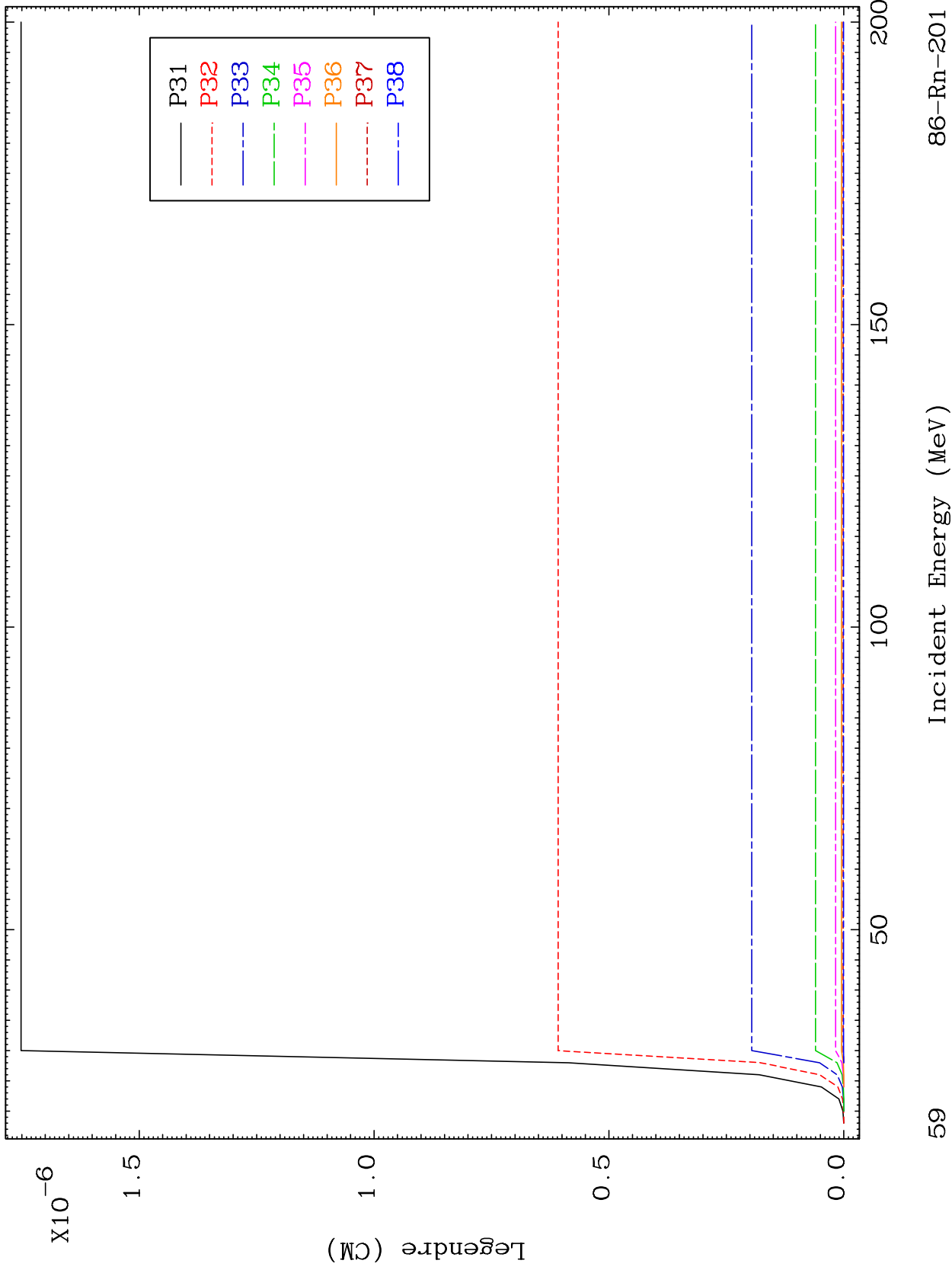
Incident Energy (MeV)

86-Rn-201

MAT 8595

425.3 keV (n,n') Level
Legendre Coefficients

86-Rn-201



59

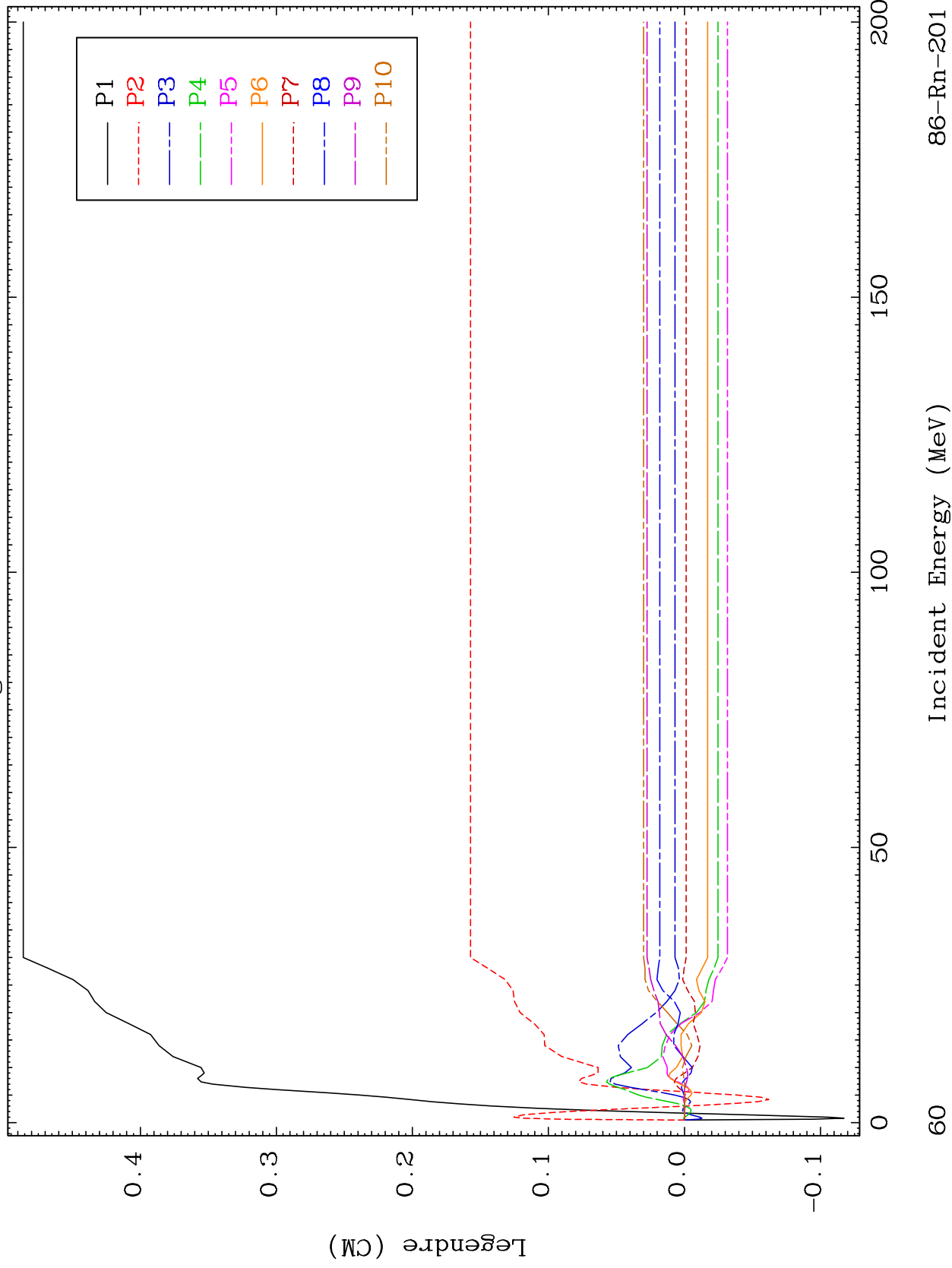
Incident Energy (MeV)

86-Rn-201

MAT 8595

453.6 keV (n,n') Level
Legendre Coefficients

86-Rn-201



86-Rn-201

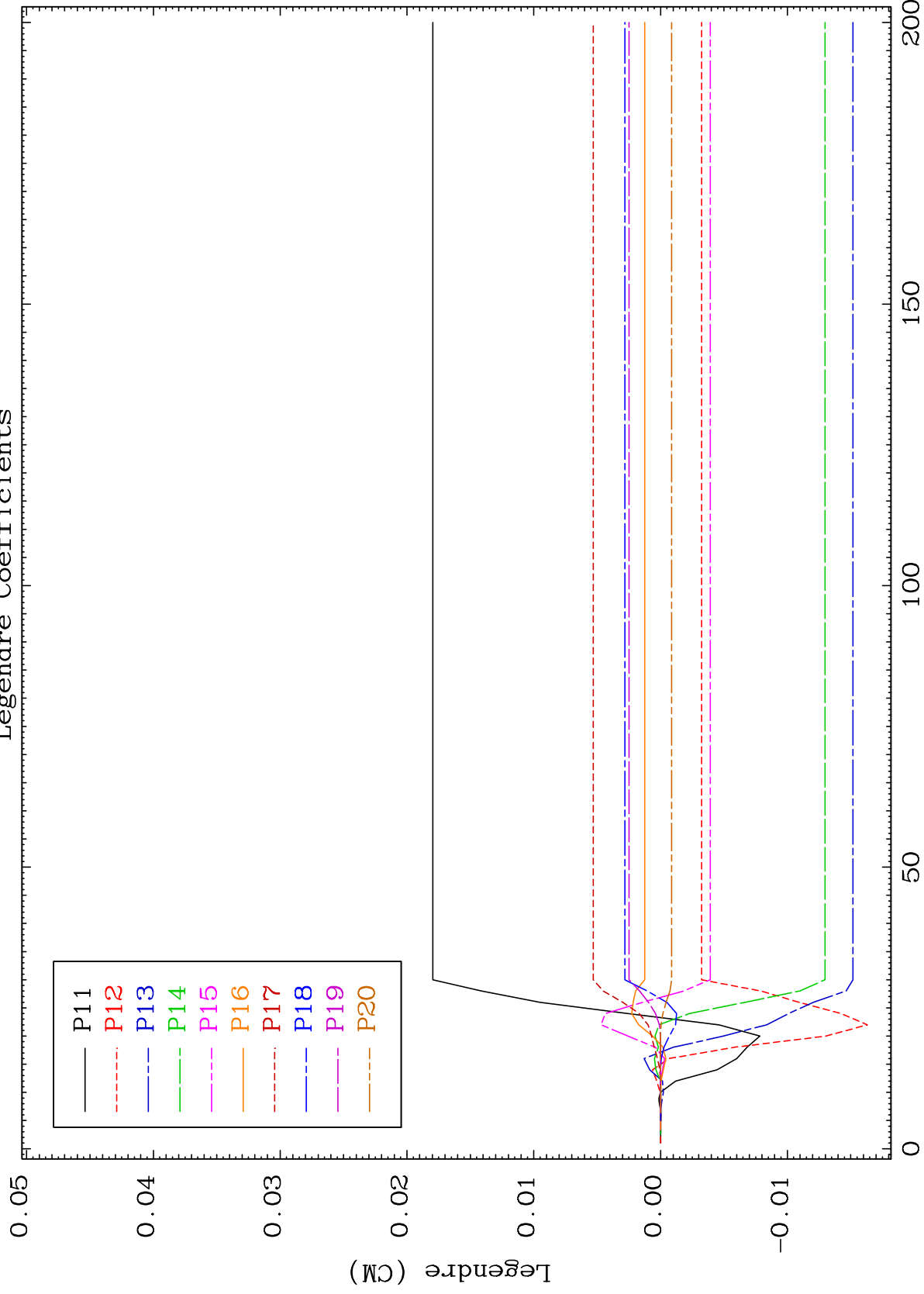
Incident Energy (MeV)

60

MAT 8595

453.6 keV (n,n') Level
Legendre Coefficients

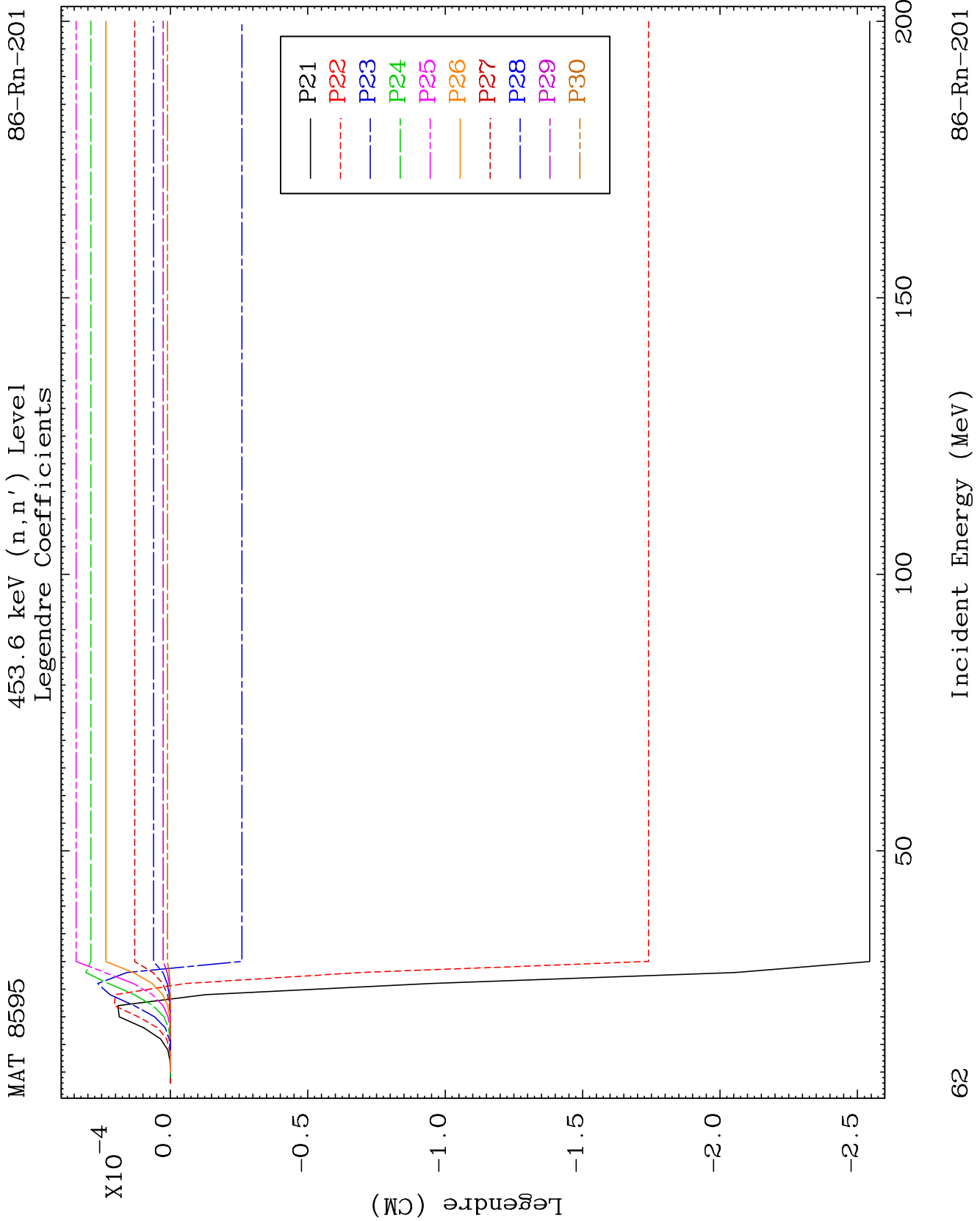
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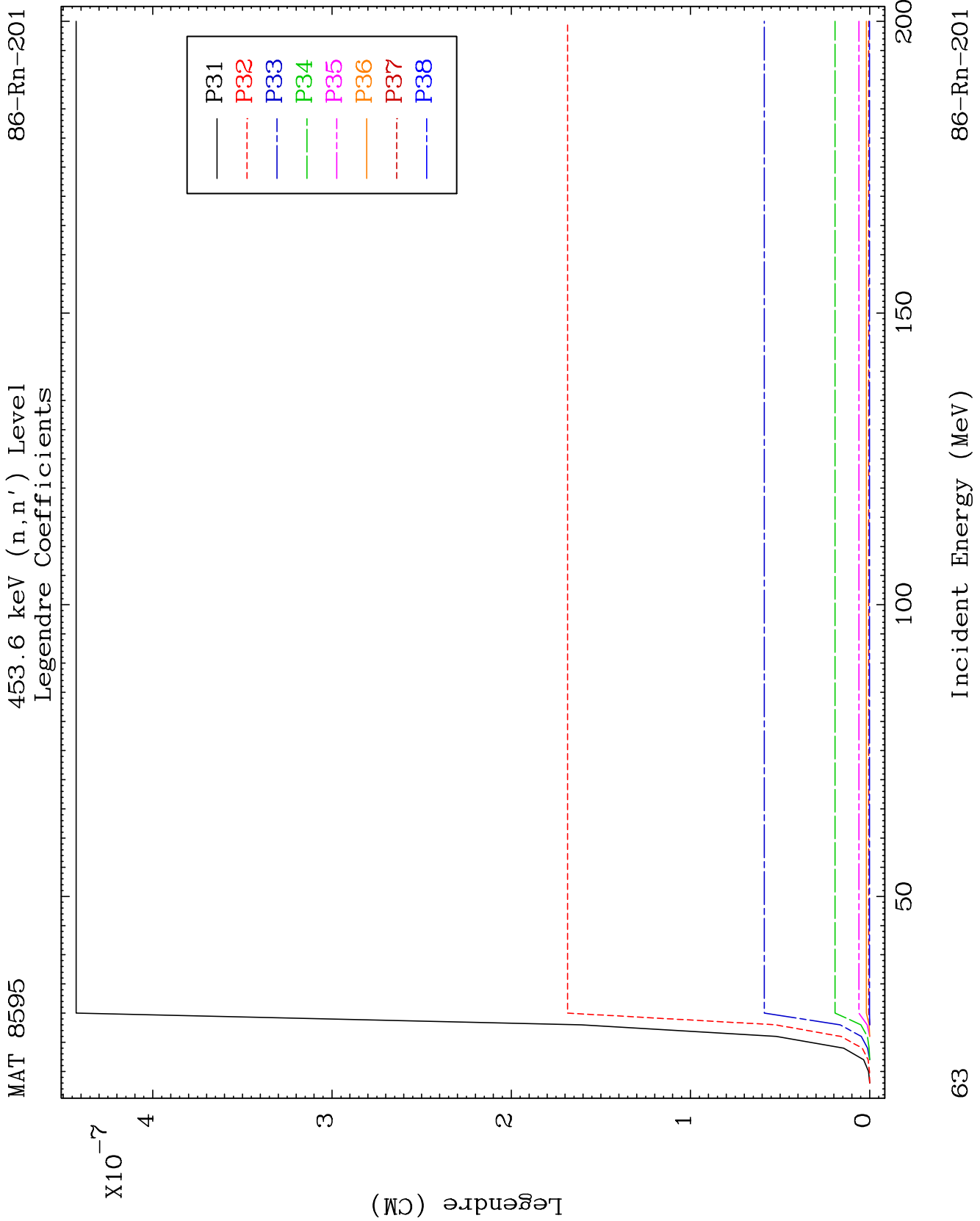


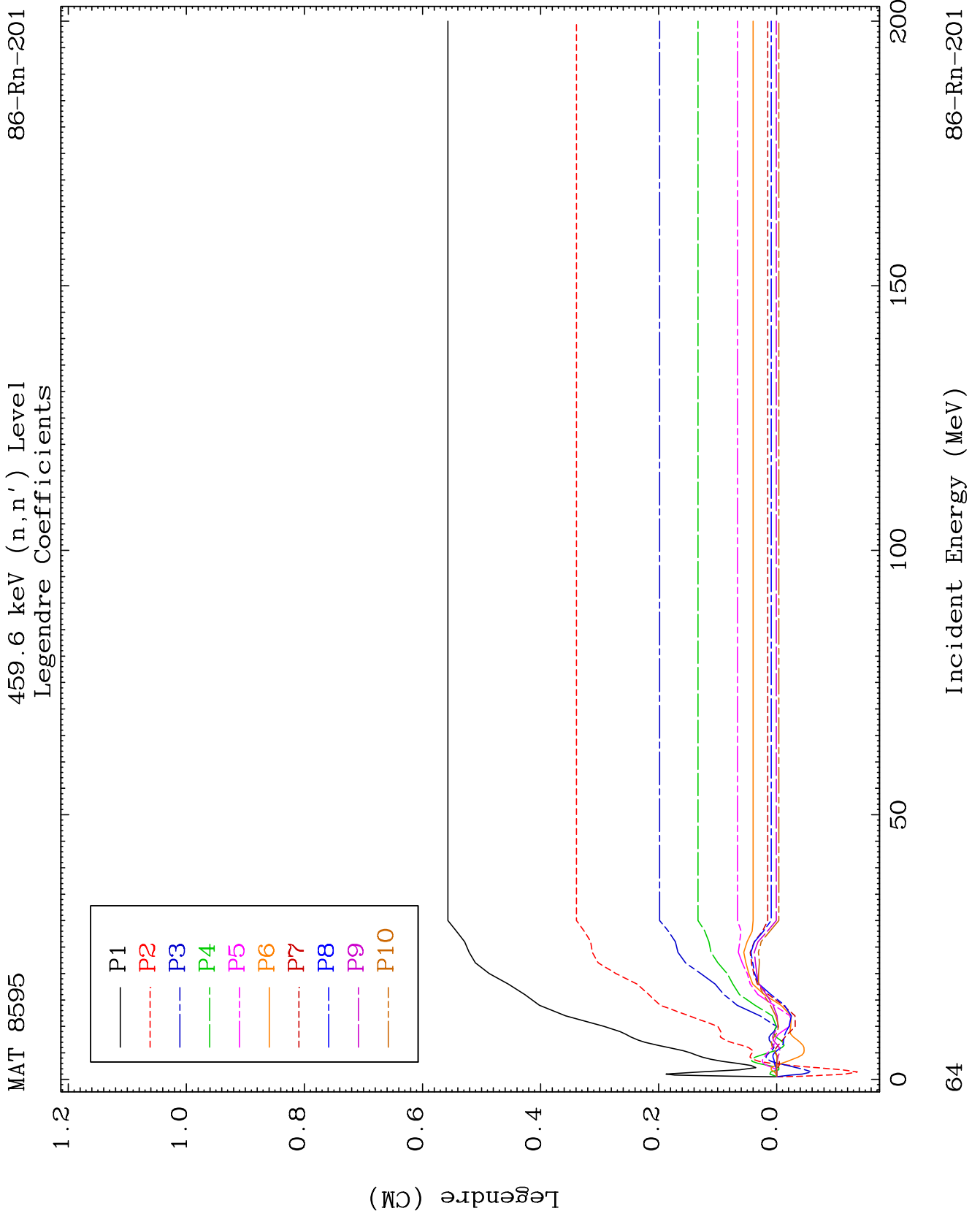
61

Incident Energy (MeV)

86-Rn-201



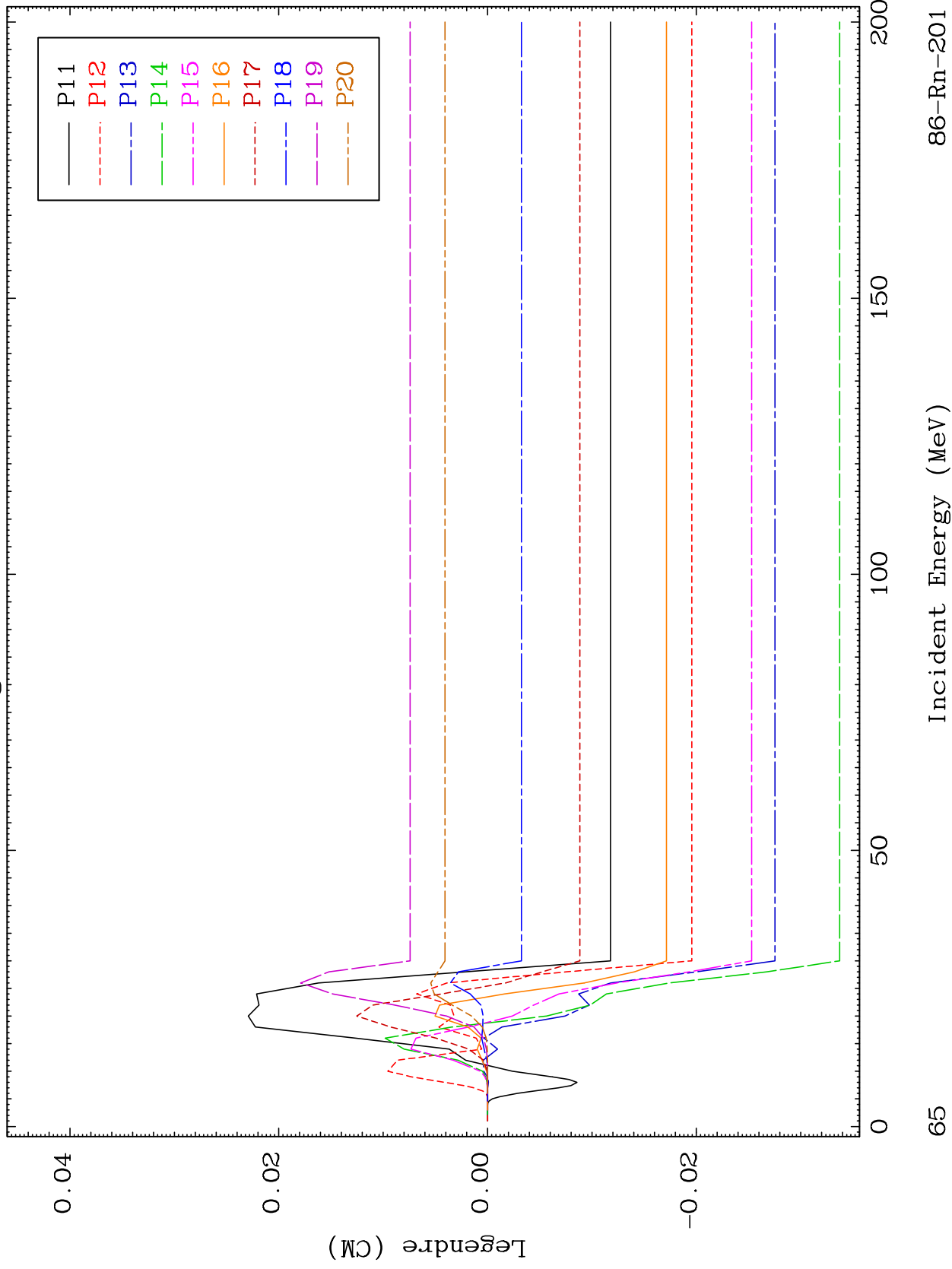




MAT 8595

459.6 keV (n,n') Level
Legendre Coefficients

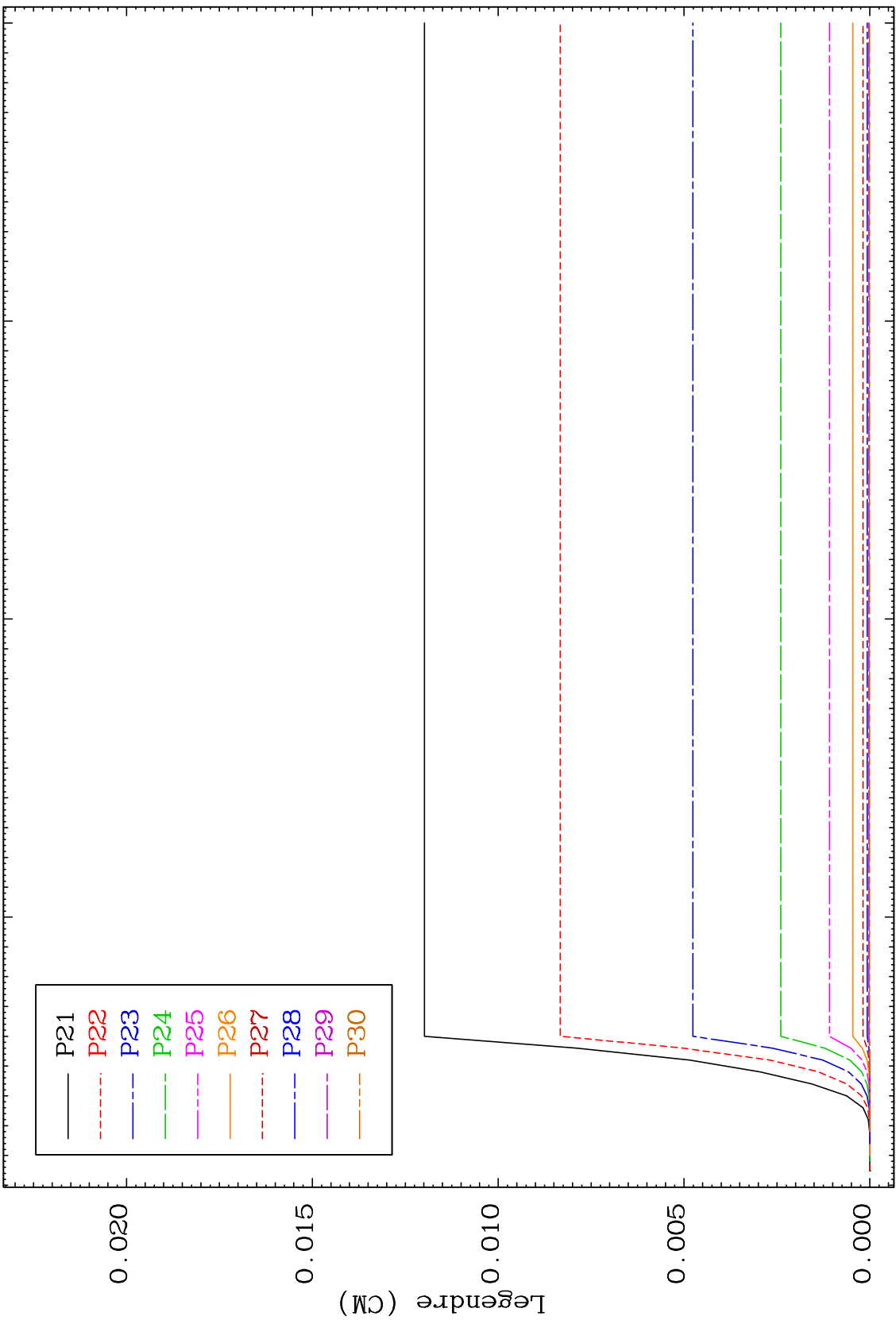
86-Rn-201



86-Rn-201

Incident Energy (MeV)

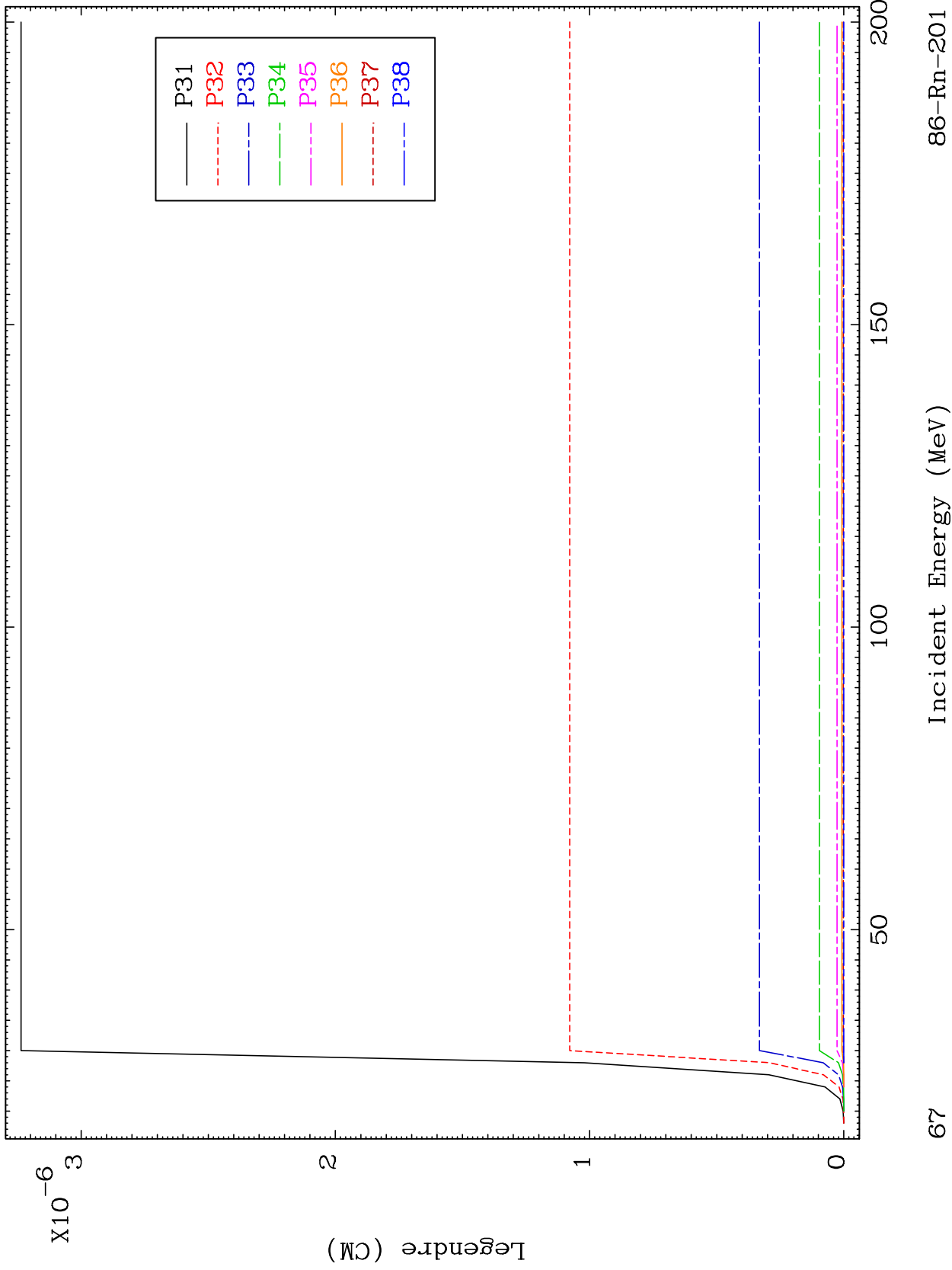
65



MAT 8595

459.6 keV (n,n') Level
Legendre Coefficients

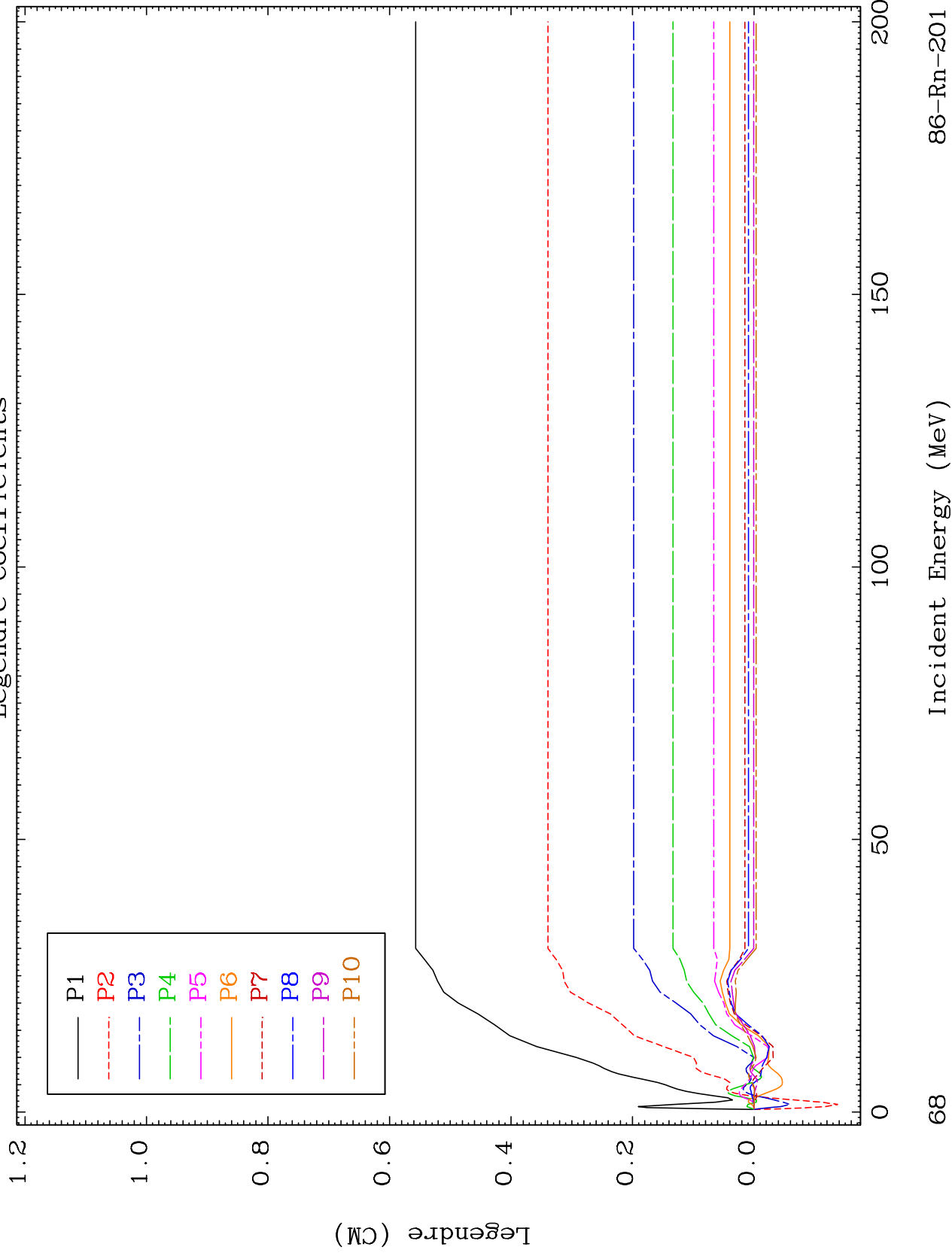
86-Rn-201



MAT 8595

464.7 keV (n, n') Level
Legendre Coefficients

86-Rn-201

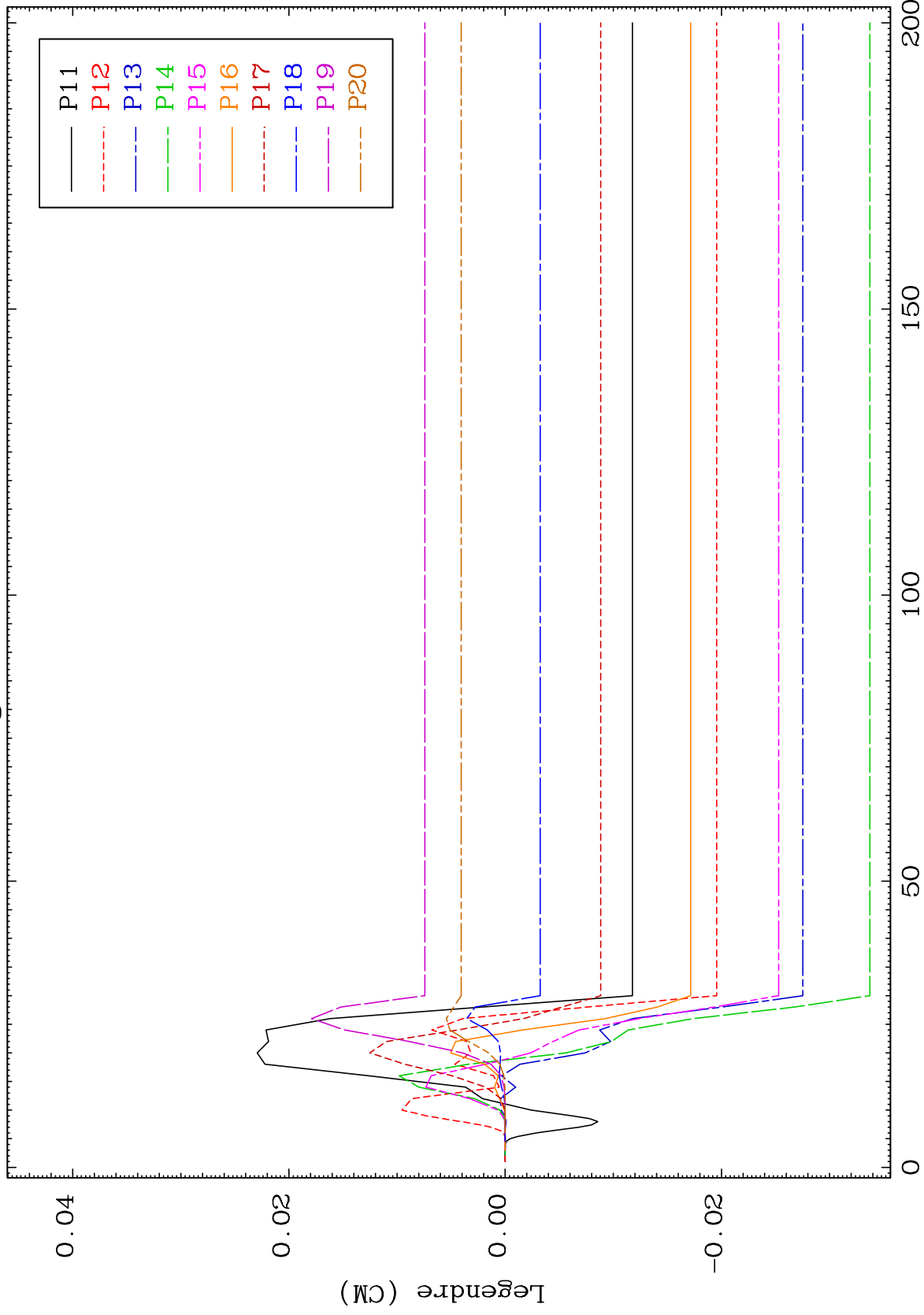


68

MAT 8595

464.7 keV (n,n') Level
Legendre Coefficients

86-Rn-201



69

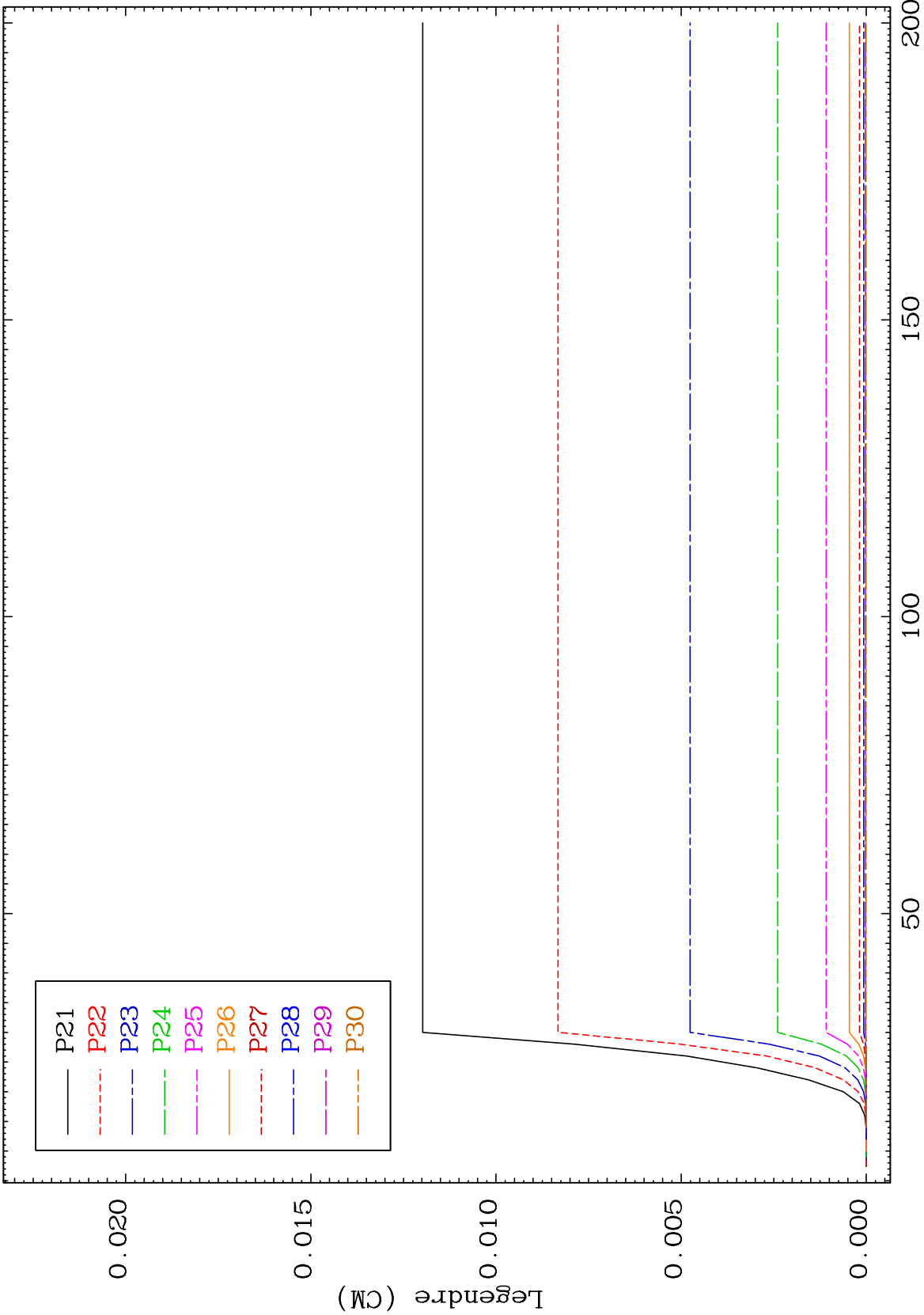
Incident Energy (MeV)

86-Rn-201

MAT 8595

464.7 keV (n, n') Level
Legendre Coefficients

86-Rn-201



70

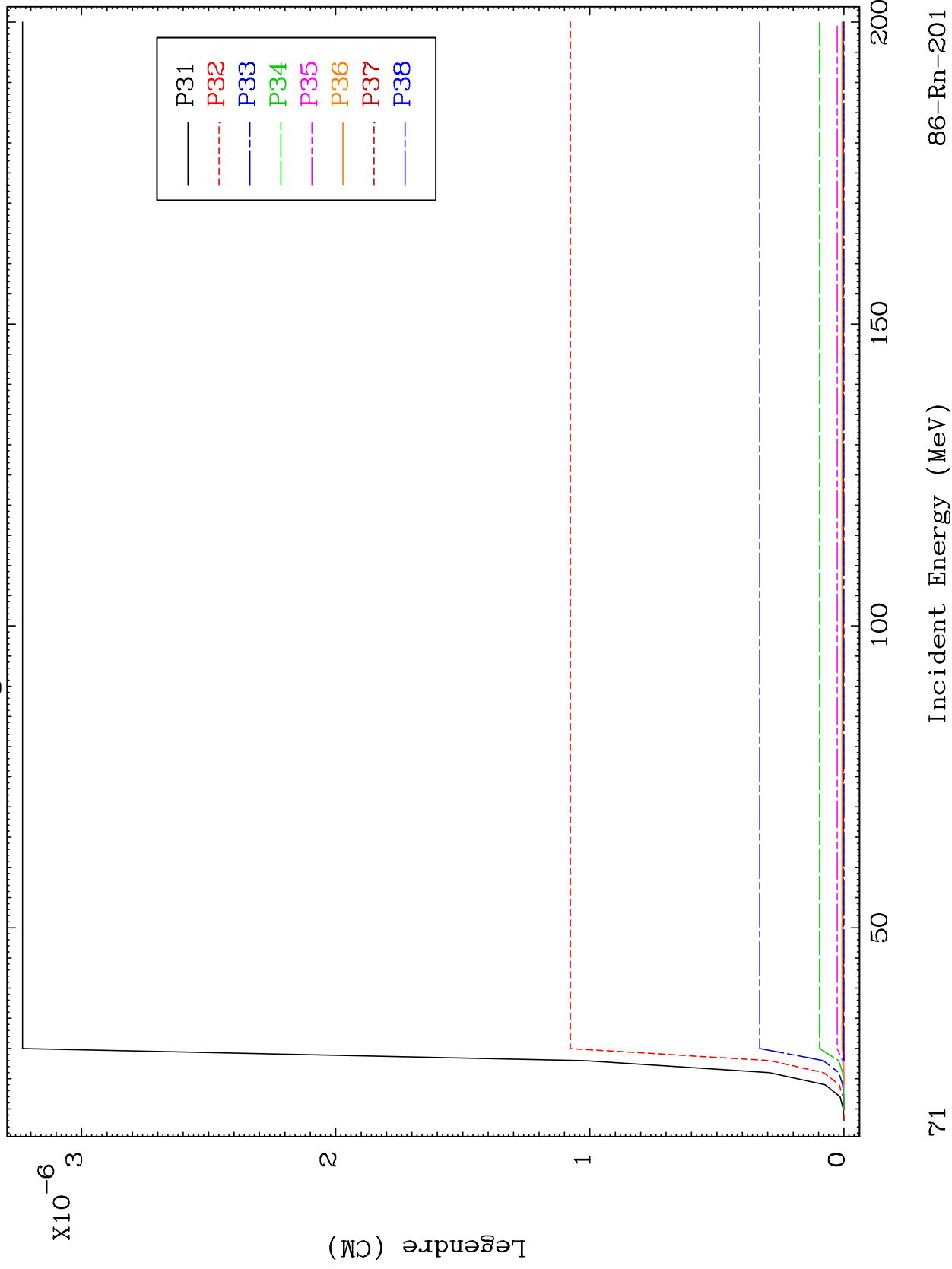
Incident Energy (MeV)

86-Rn-201

MAT 8595

464.7 keV (n,n') Level
Legendre Coefficients

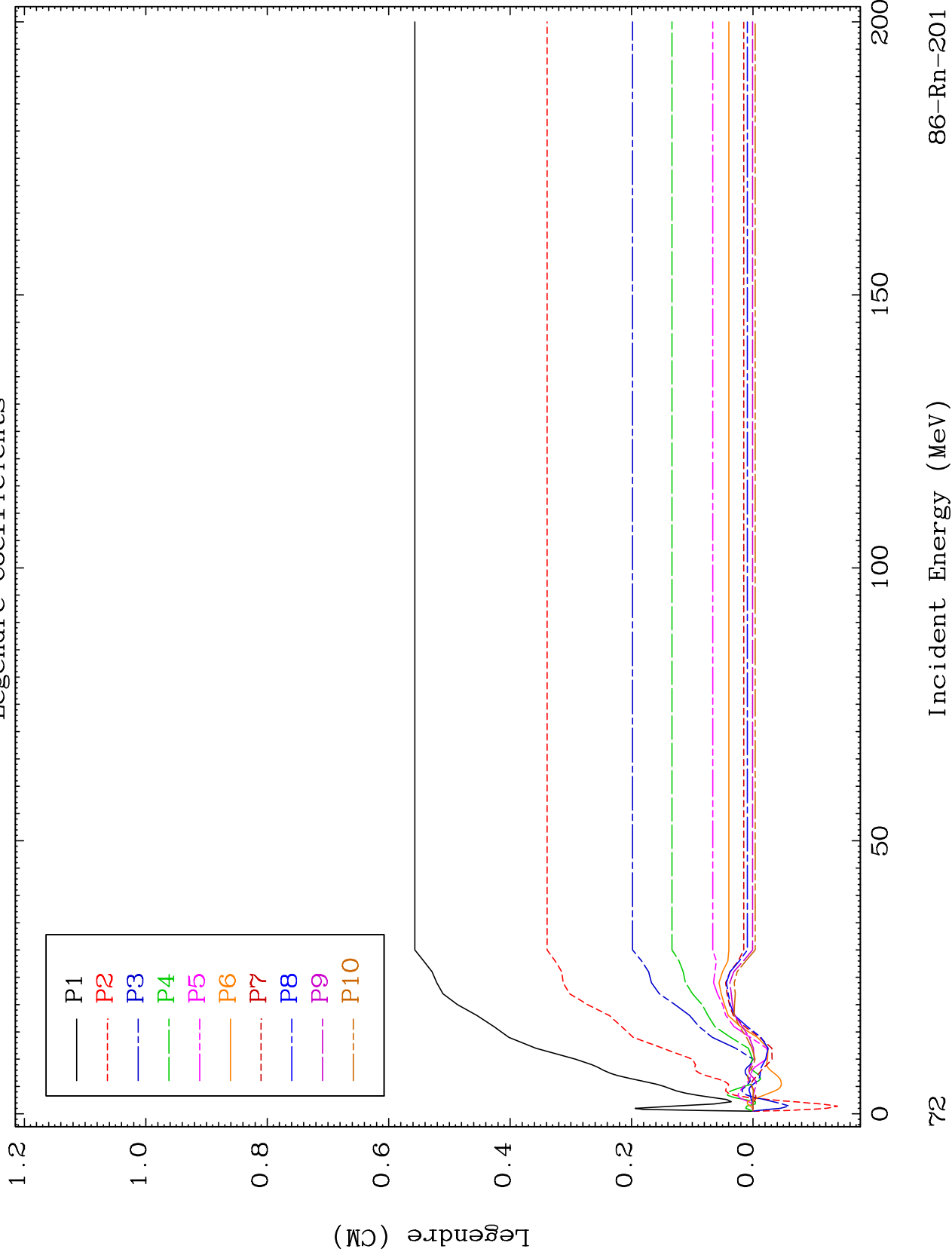
86-Rn-201



MAT 8595

465.7 keV (n, n') Level
Legendre Coefficients

86-Rn-201



86-Rn-201

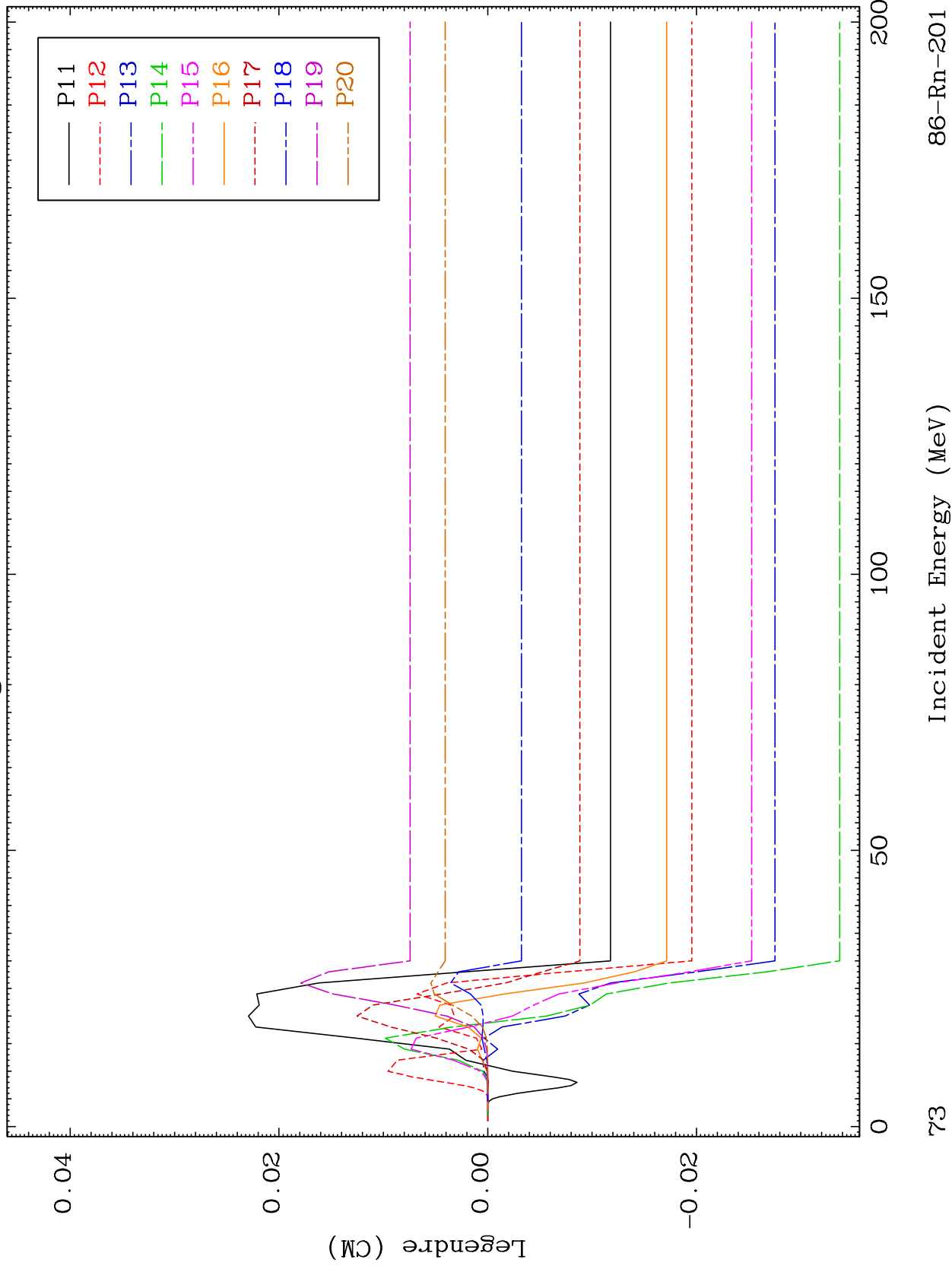
Incident Energy (MeV)

72

MAT 8595

465.7 keV (n,n') Level
Legendre Coefficients

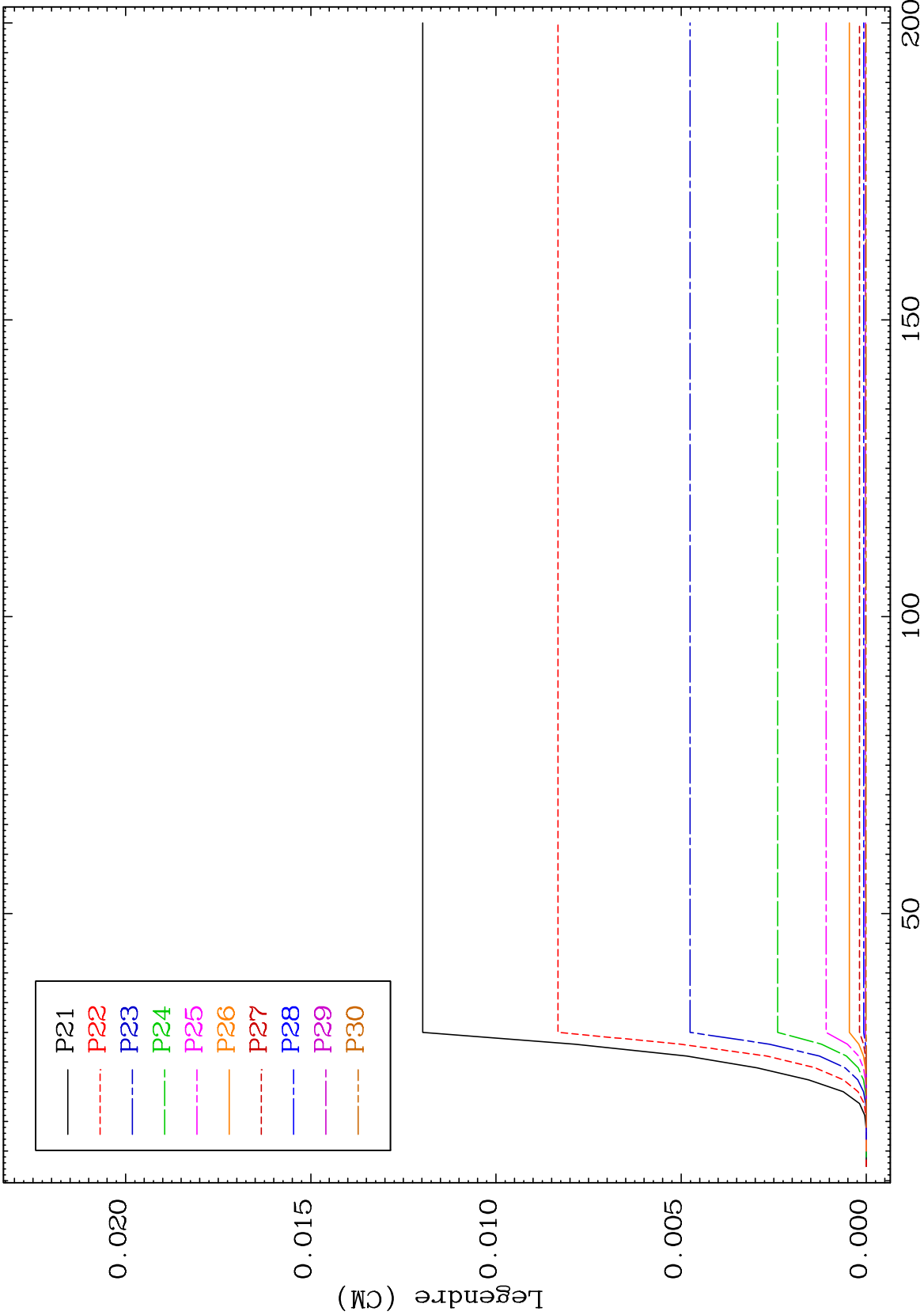
86-Rn-201



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Incident Energy (MeV)

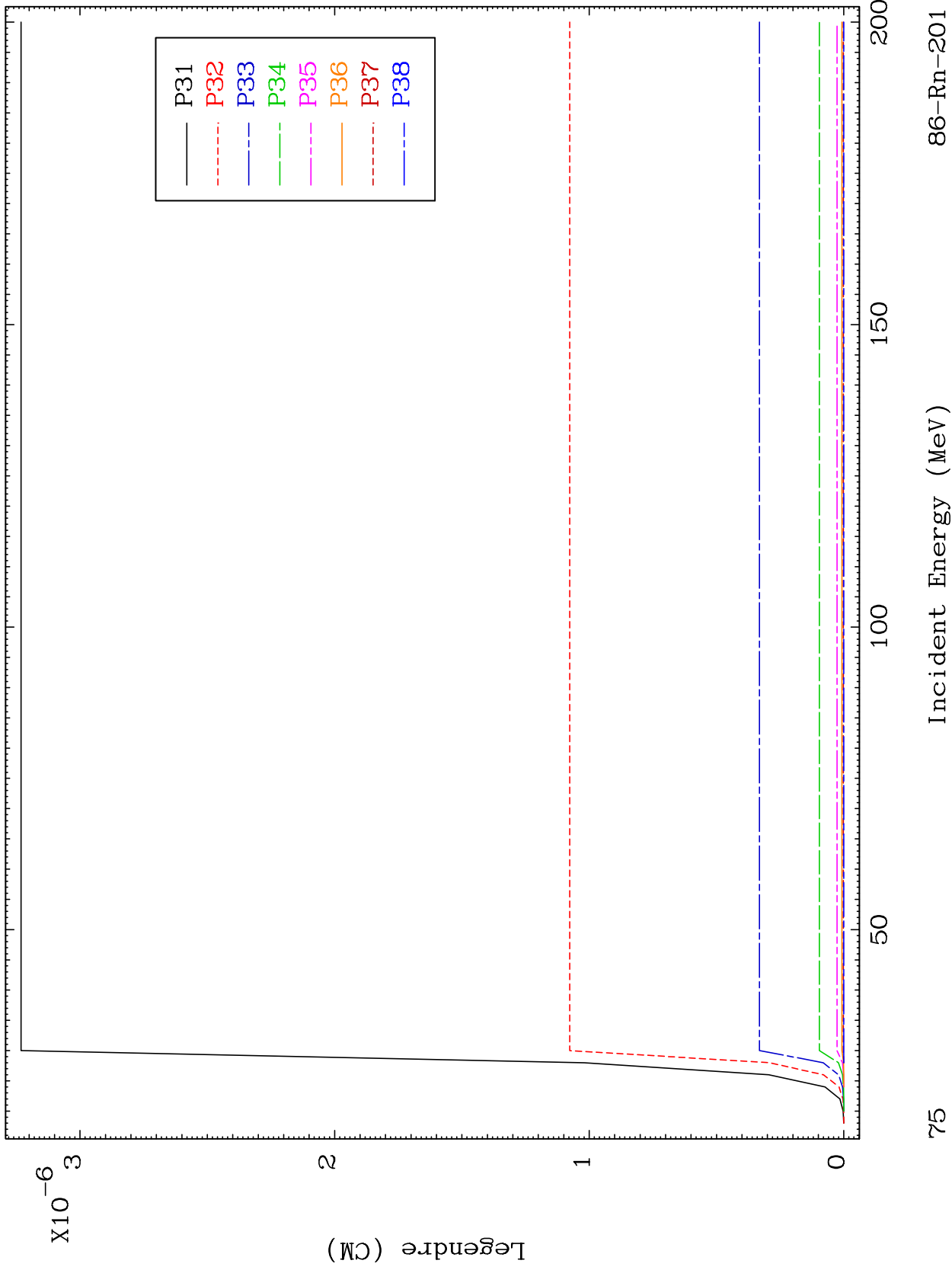
86-Rn-201



MAT 8595

465.7 keV (n,n') Level
Legendre Coefficients

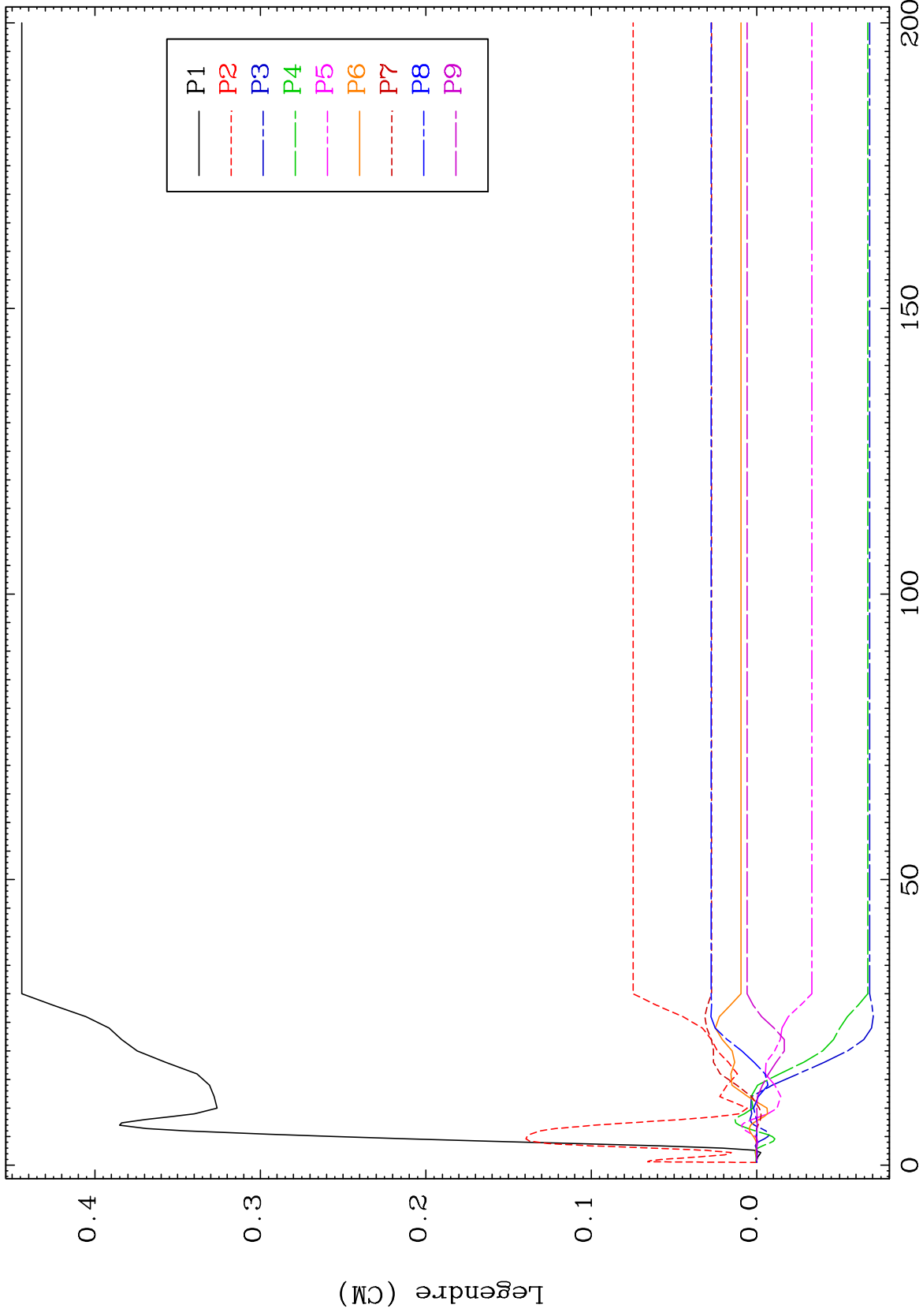
86-Rn-201



MAT 8595

466.7 keV (n,n') Level
Legendre Coefficients

86-Rn-201



76

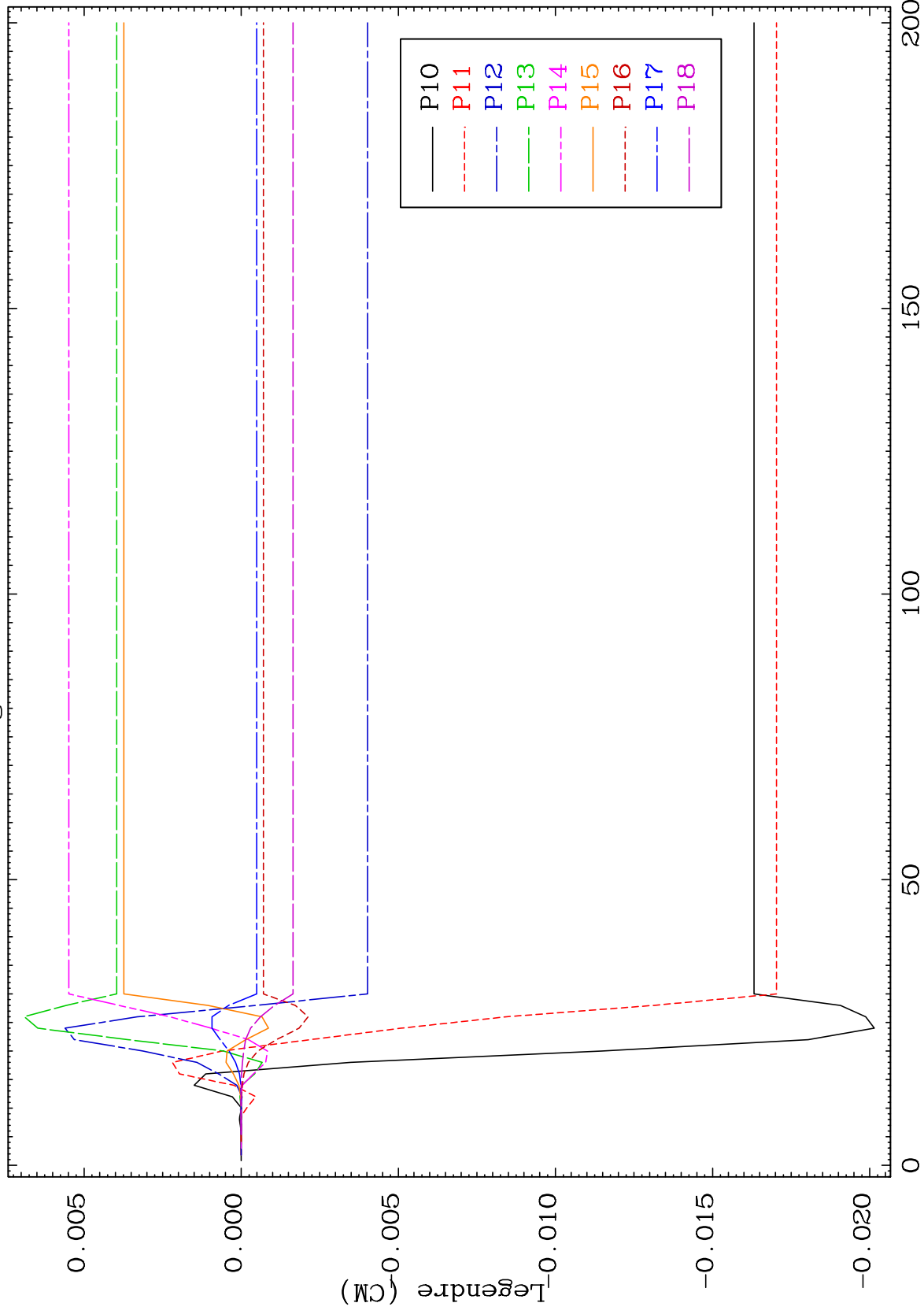
Incident Energy (MeV)

86-Rn-201

MAT 8595

466.7 keV (n,n') Level
Legendre Coefficients

86-Rn-201



77

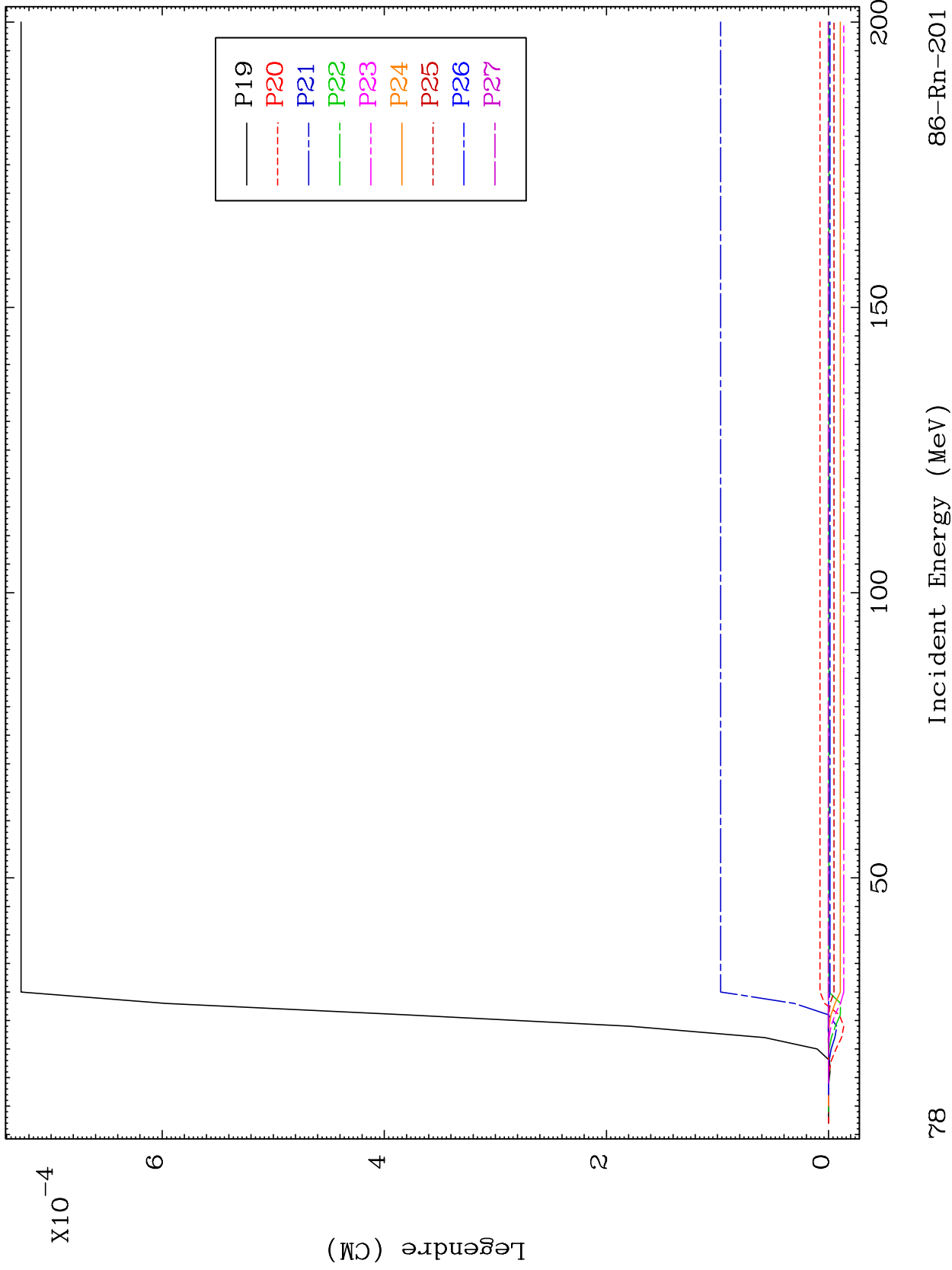
Incident Energy (MeV)

86-Rn-201

MAT 8595

466.7 keV (n,n') Level
Legendre Coefficients

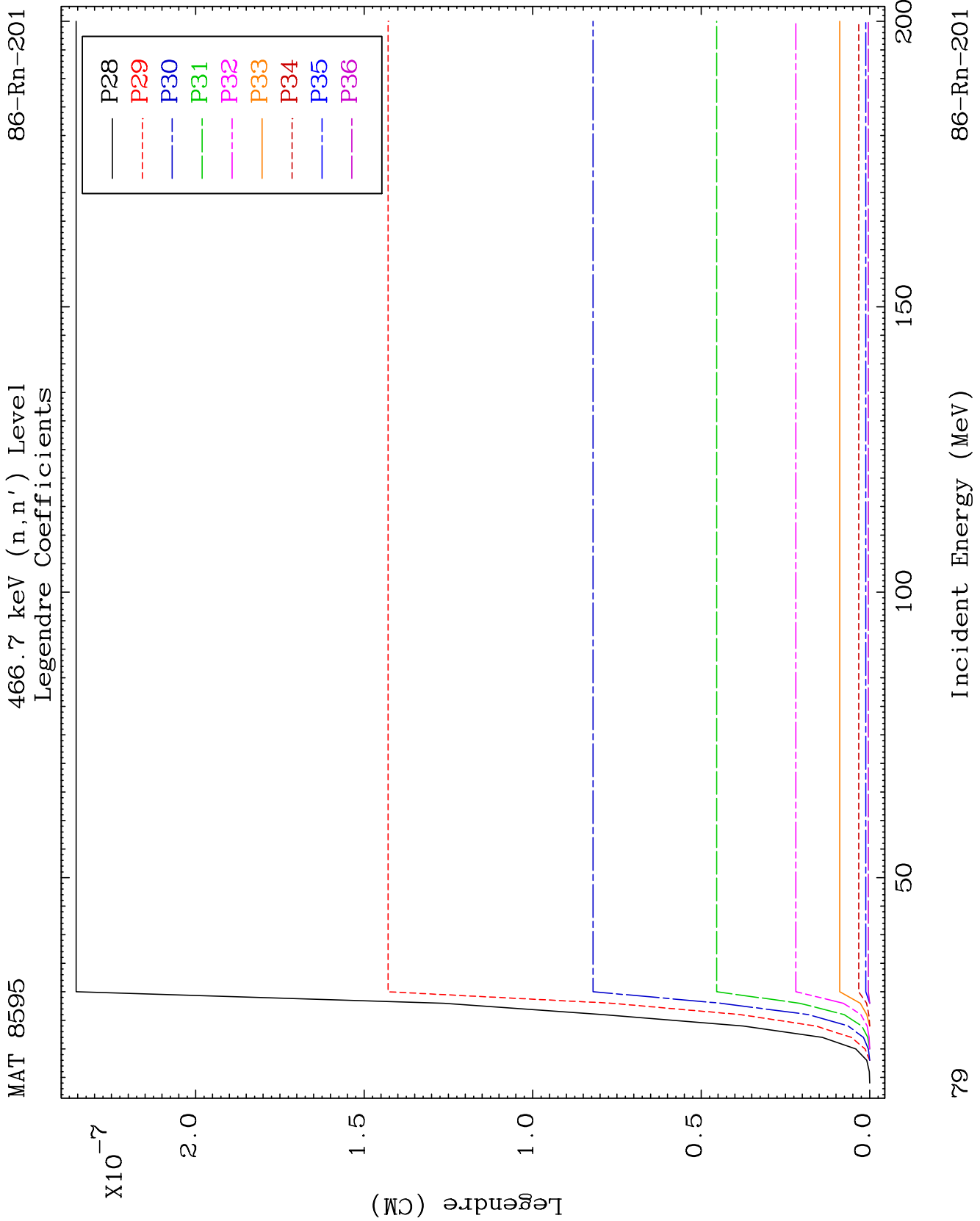
86-Rn-201



78

Incident Energy (MeV)

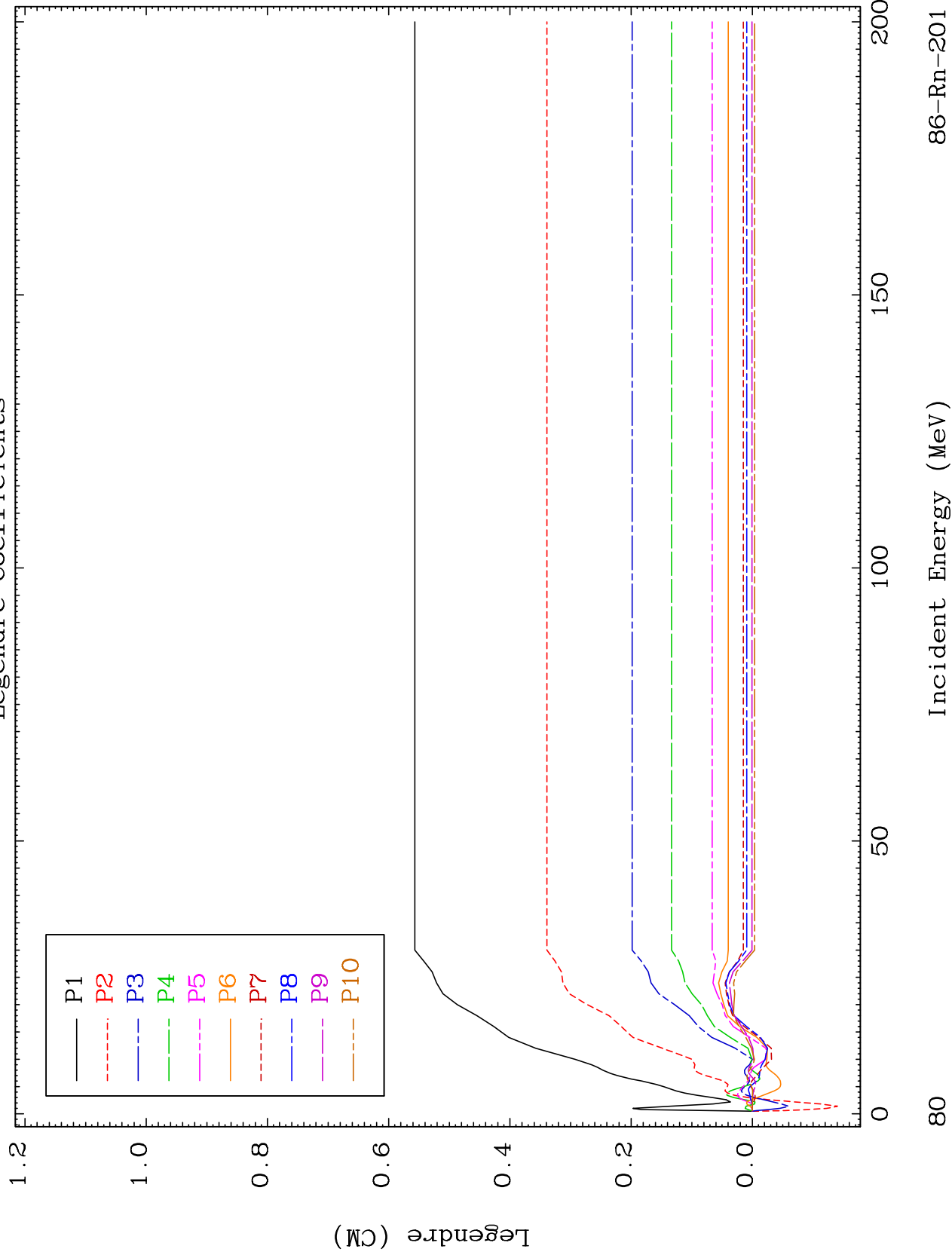
86-Rn-201



MAT 8595

475.4 keV (n, n') Level
Legendre Coefficients

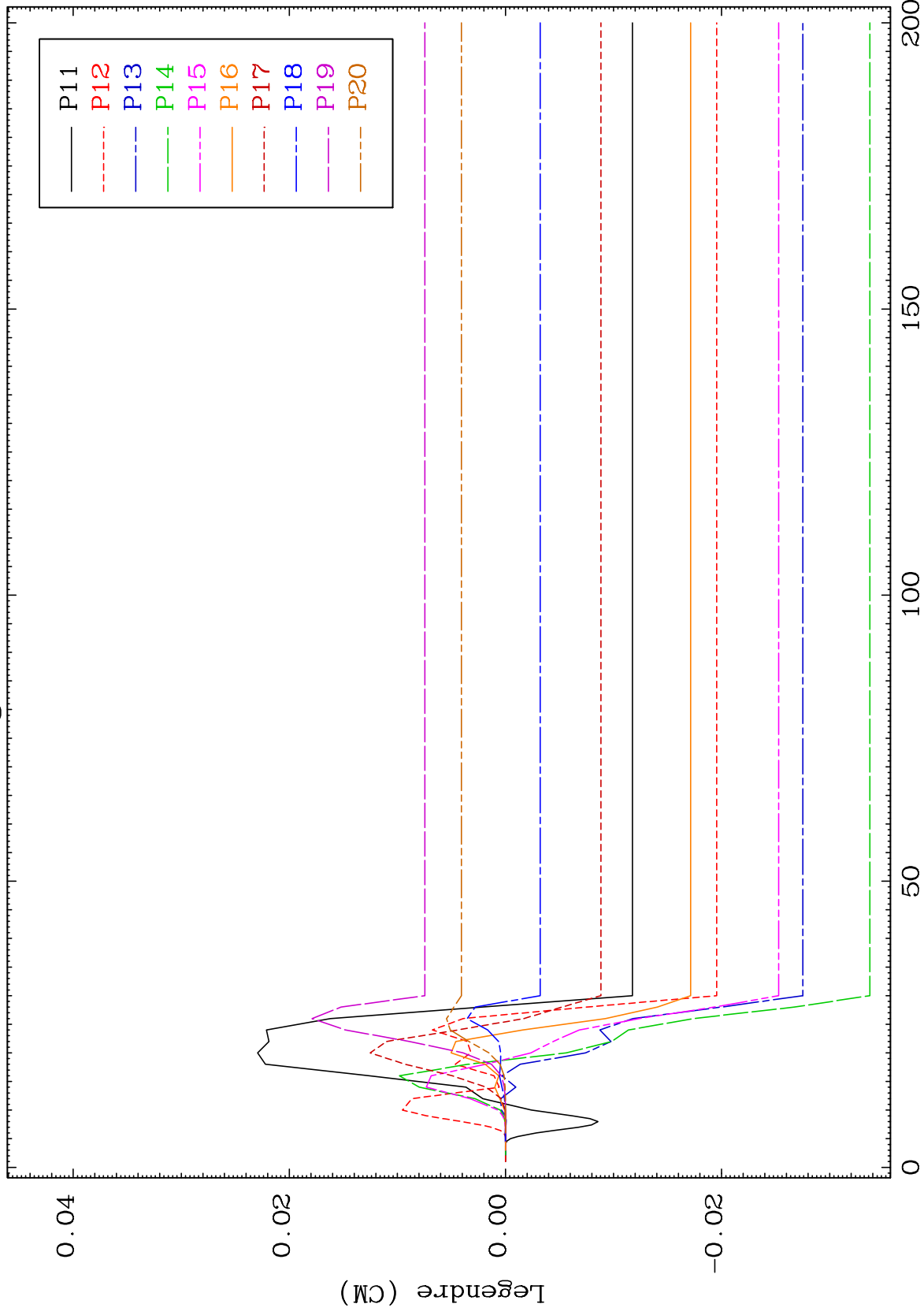
86-Rn-201



MAT 8595

475.4 keV (n,n') Level
Legendre Coefficients

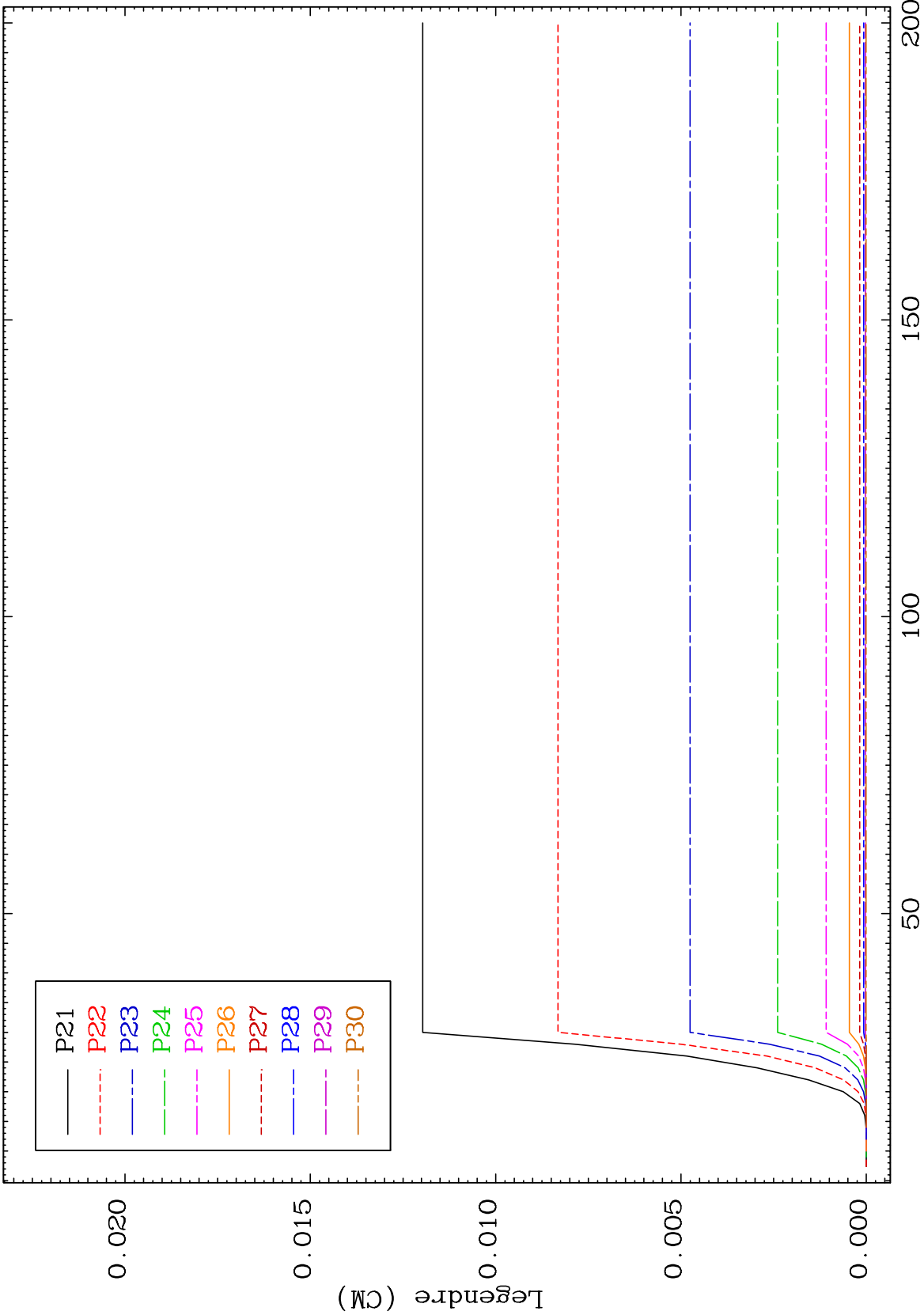
86-Rn-201

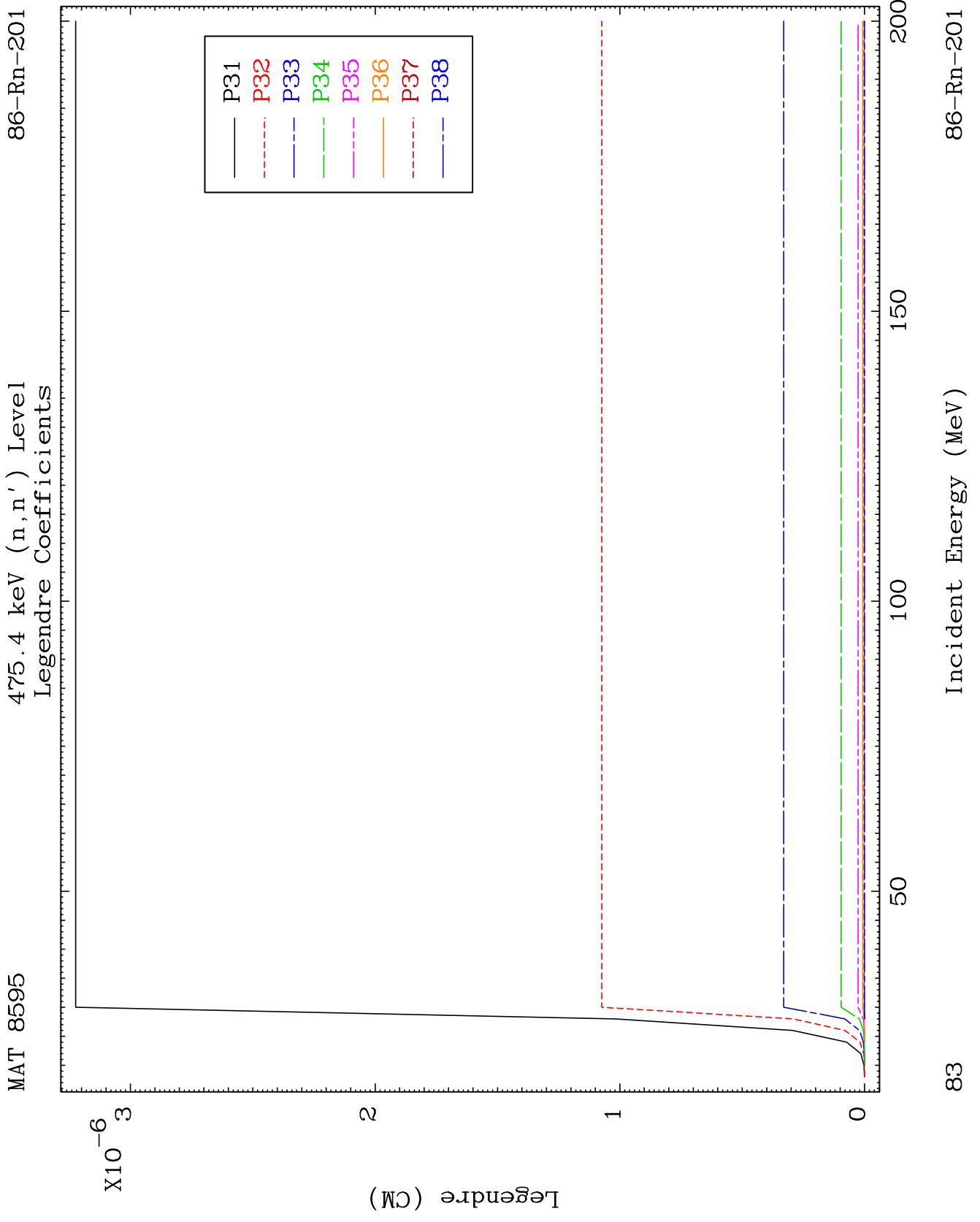


81

Incident Energy (MeV)

86-Rn-201

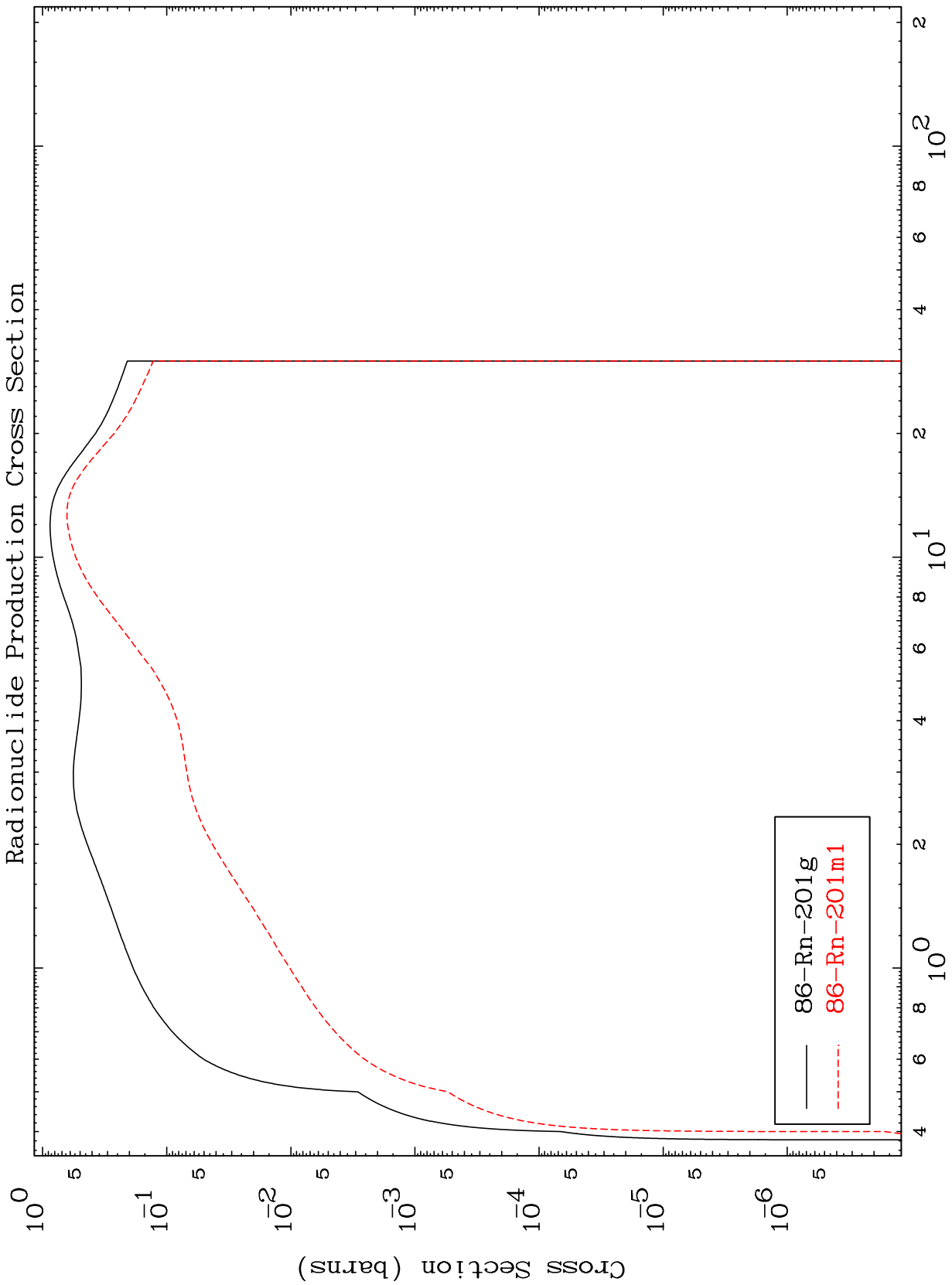




MAT 8595

86-Rn-201

Inelastic
Radionuclide Production Cross Section



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

84

Incident Energy (MeV)

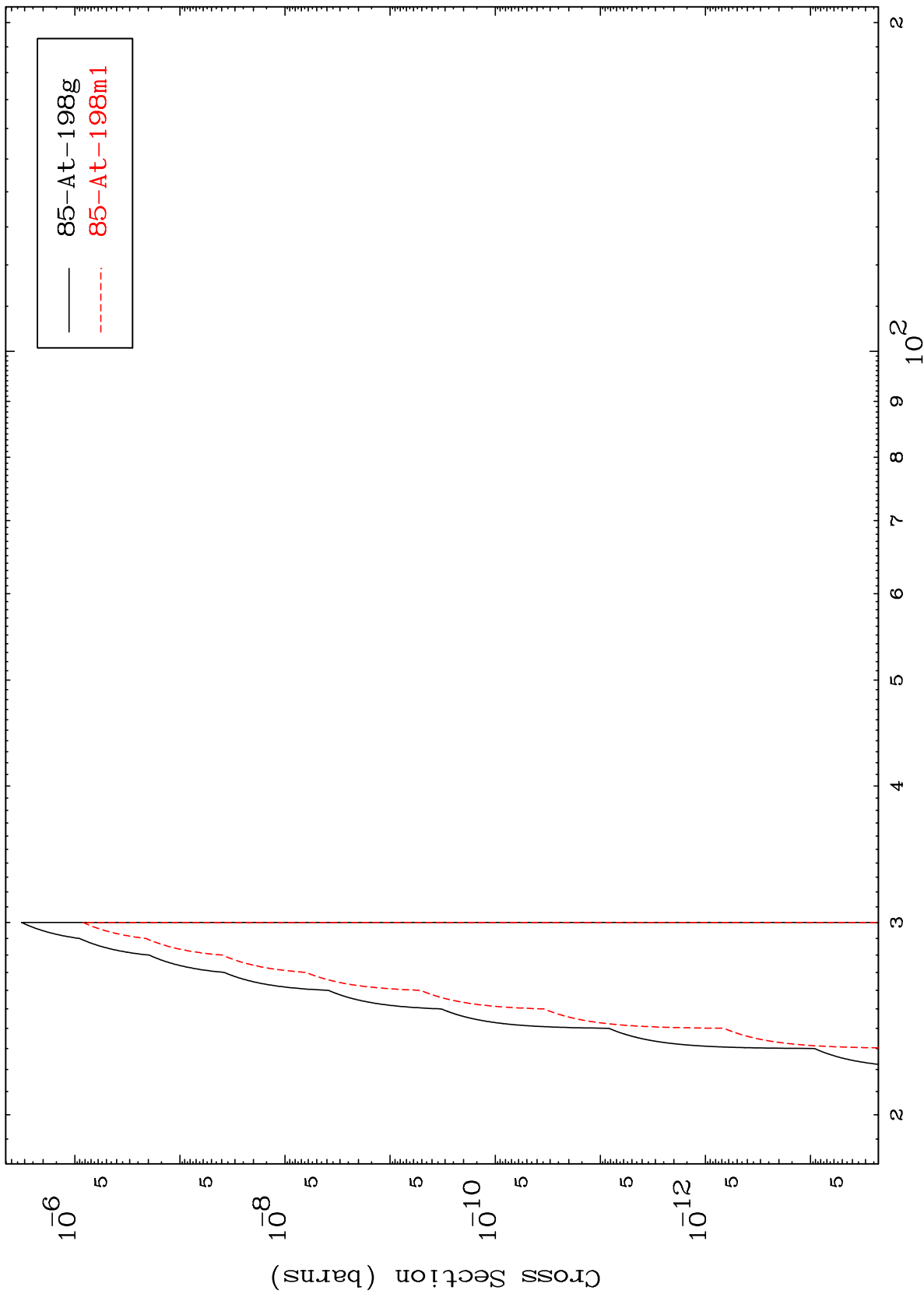
86-Rn-201

MAT 8595

(n,2n) d

86-Rn-201

Radionuclide Production Cross Section



85

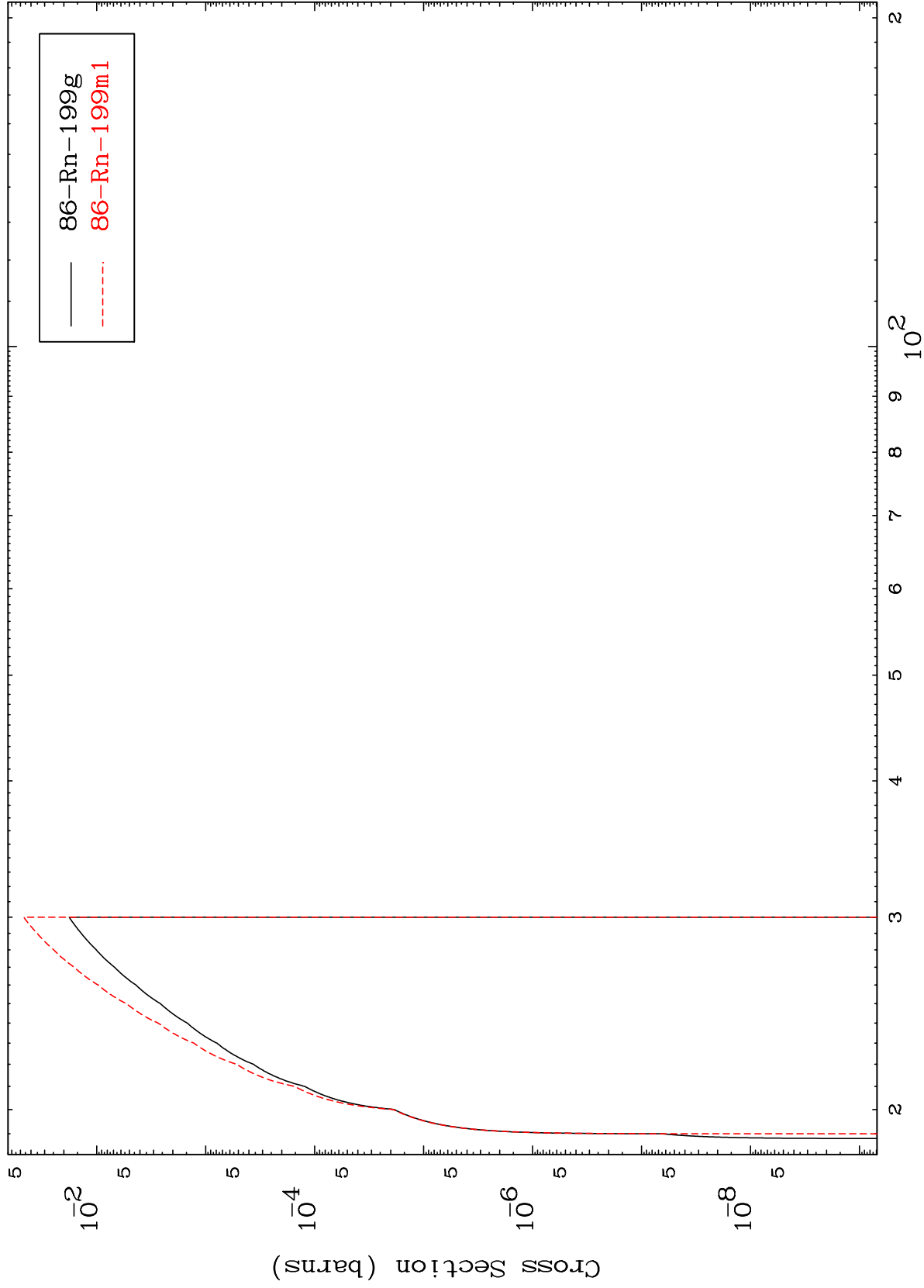
Incident Energy (MeV)

86-Rn-201

MAT 8595

86-Rn-201

(n,3n)
Radionuclide Production Cross Section



86

Incident Energy (MeV)

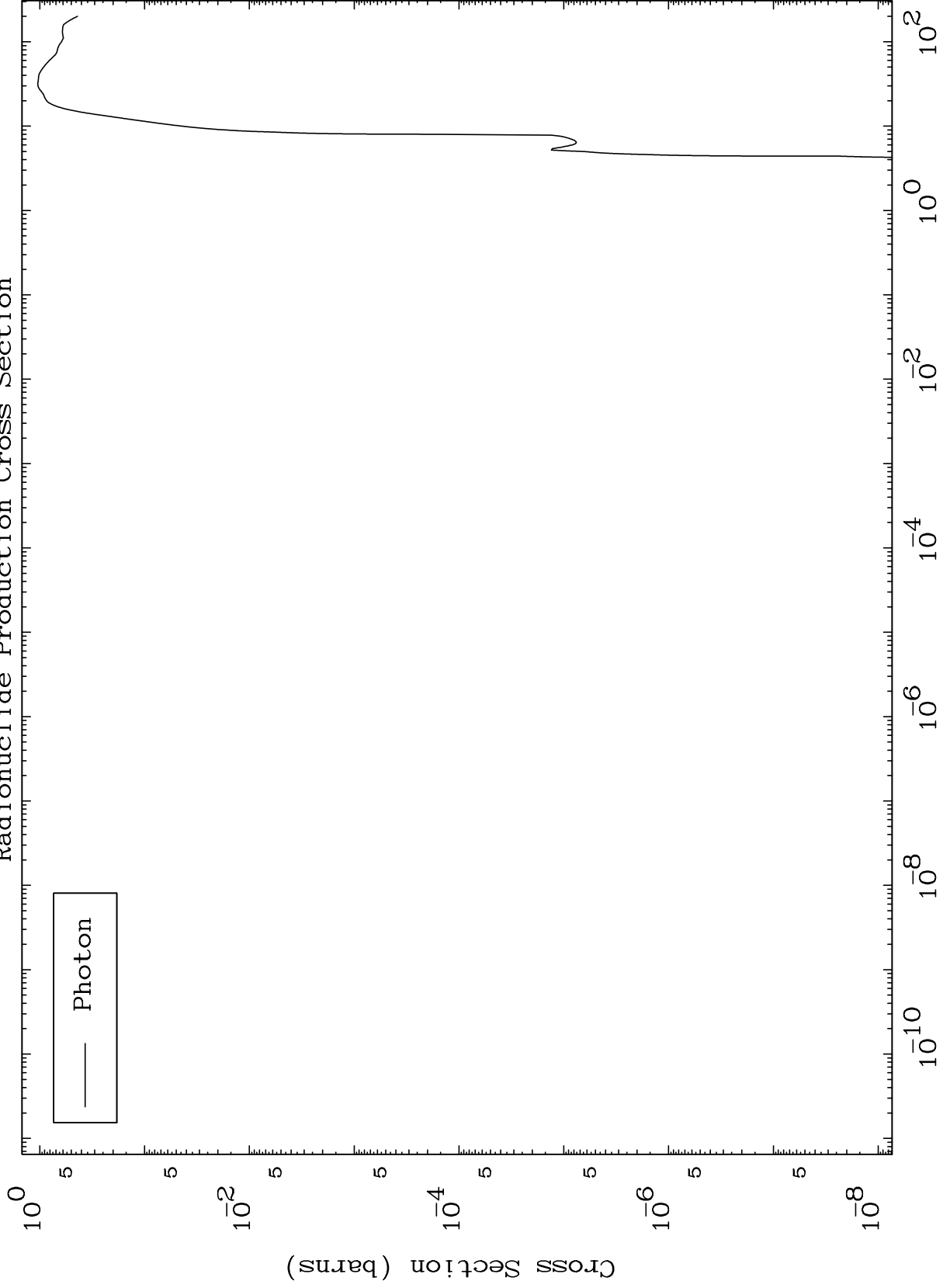
86-Rn-201

MAT 8595

Fission

86-Rn-201

Radionuclide Production Cross Section



87

Incident Energy (MeV)

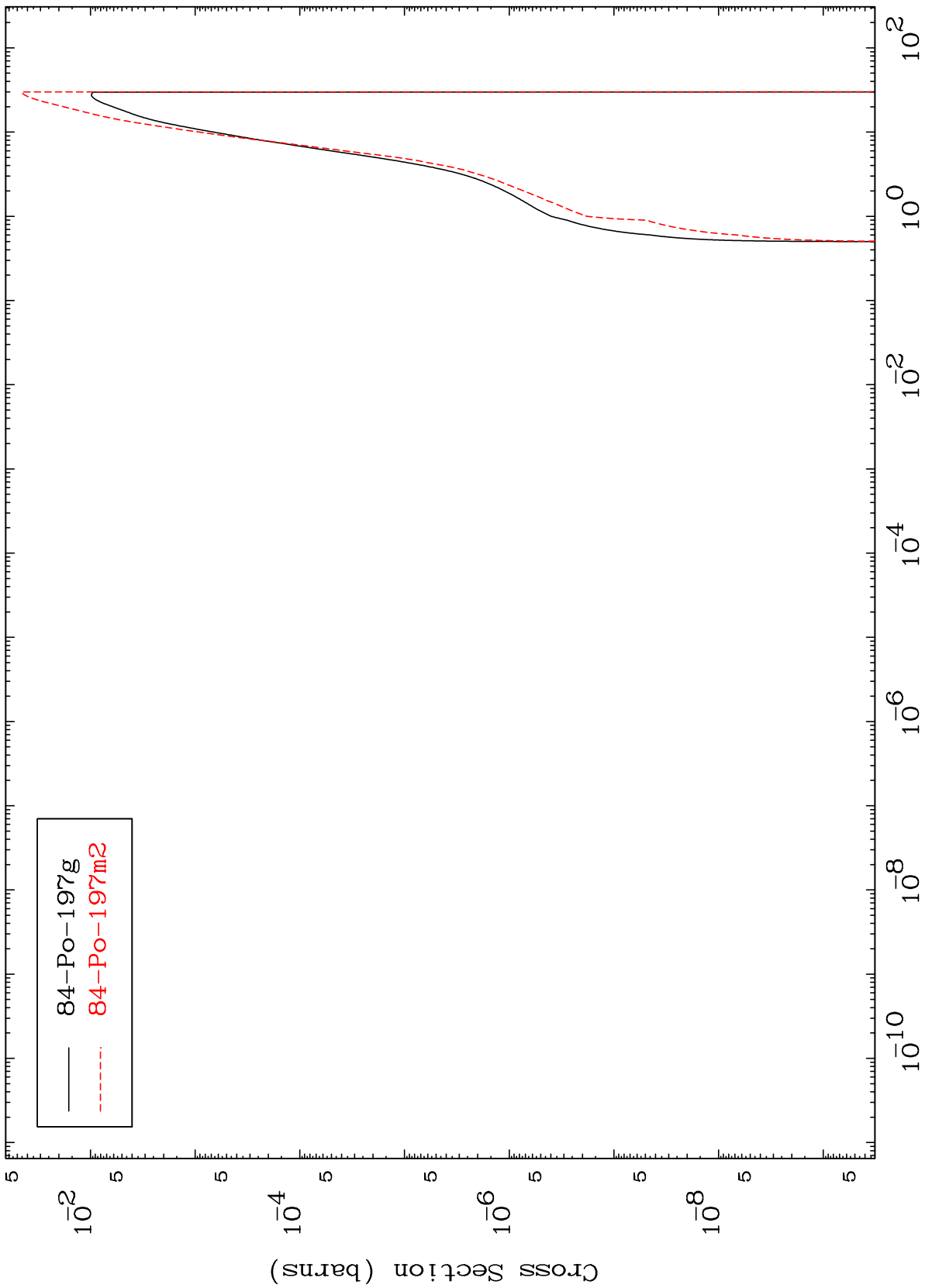
86-Rn-201

MAT 8595

$(n, n') \alpha$

86-Rn-201

Radionuclide Production Cross Section



88

Incident Energy (MeV)

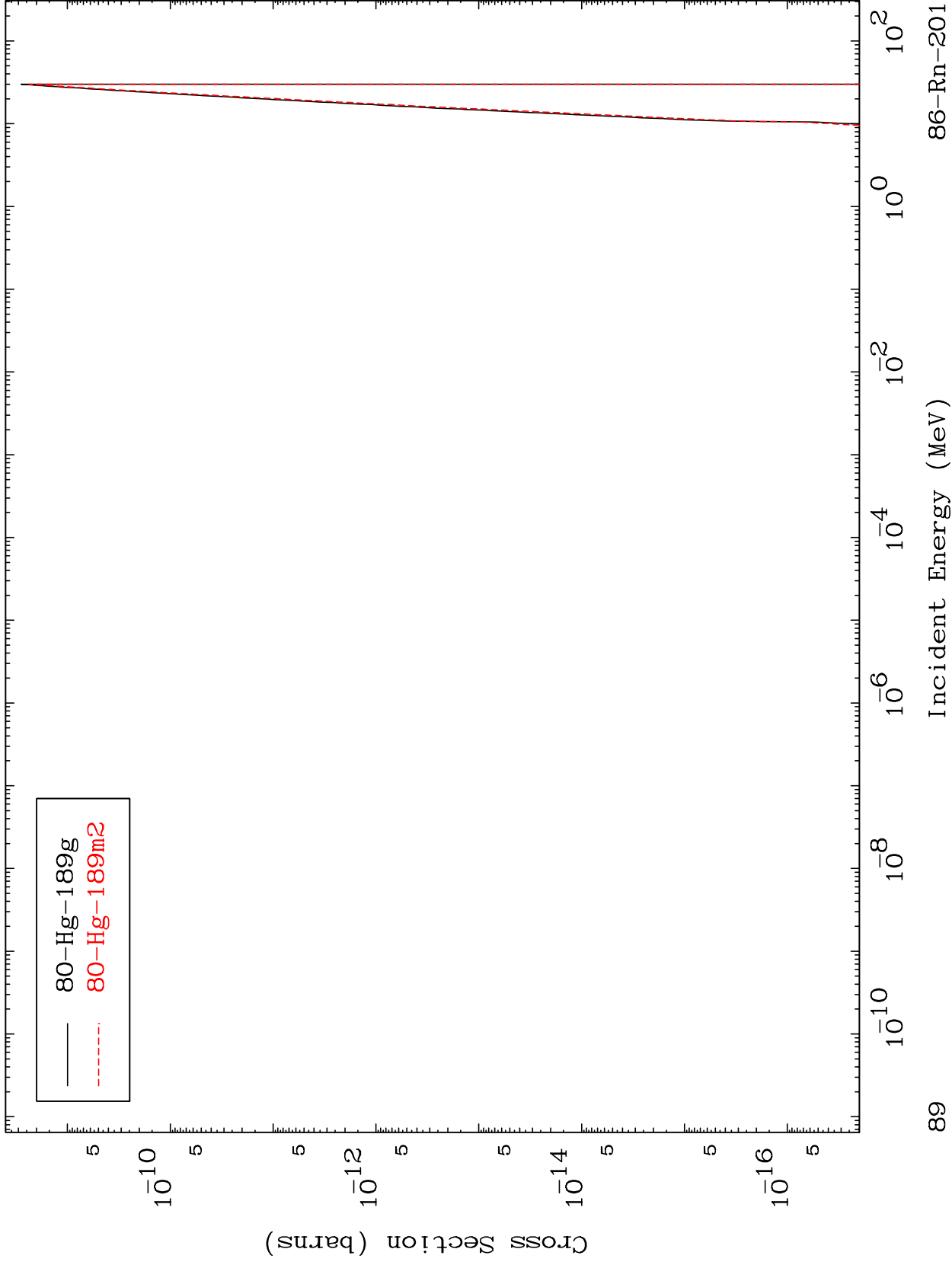
86-Rn-201

MAT 8595

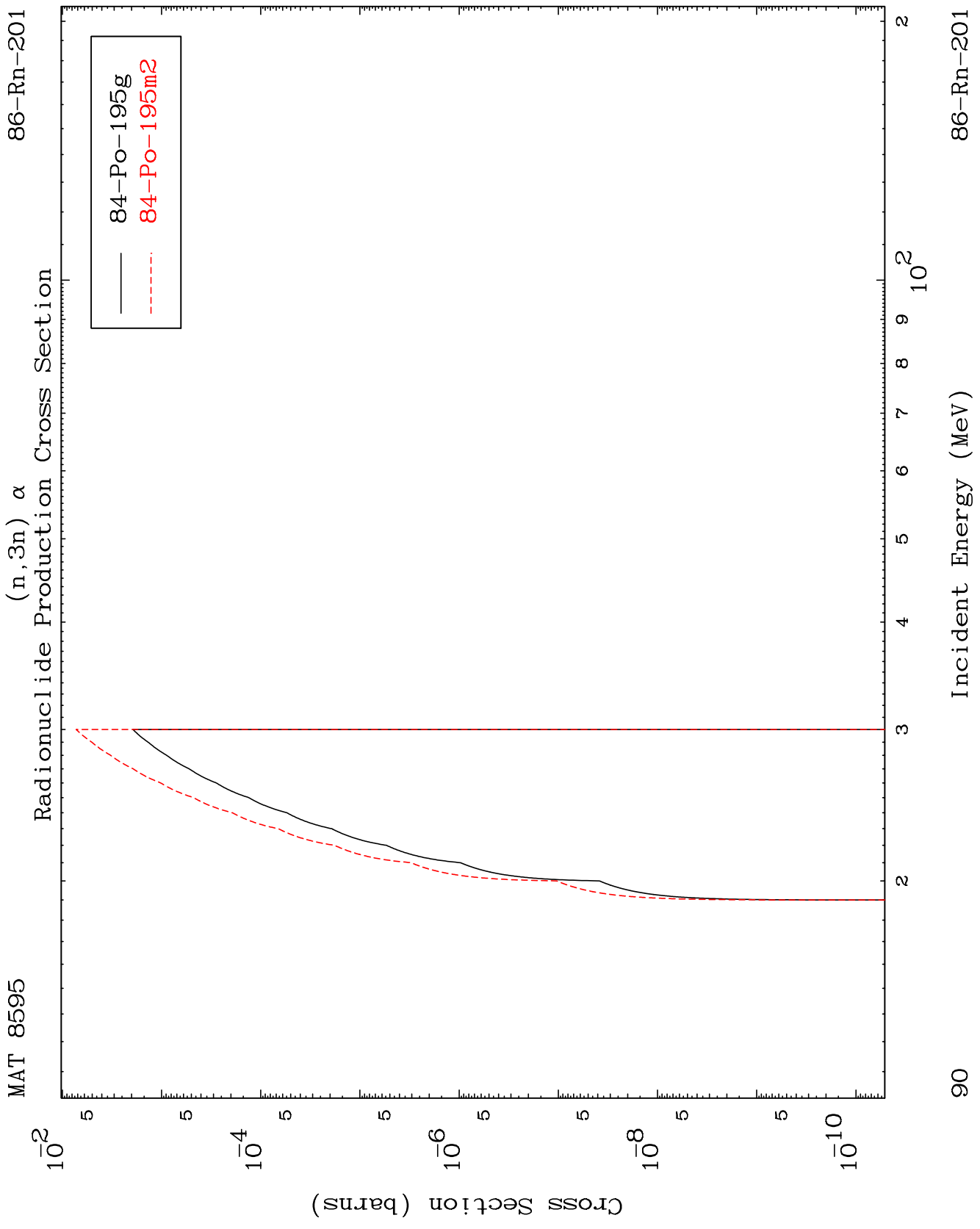
(n,n') 3 α

86-Rn-201

Radionuclide Production Cross Section



89

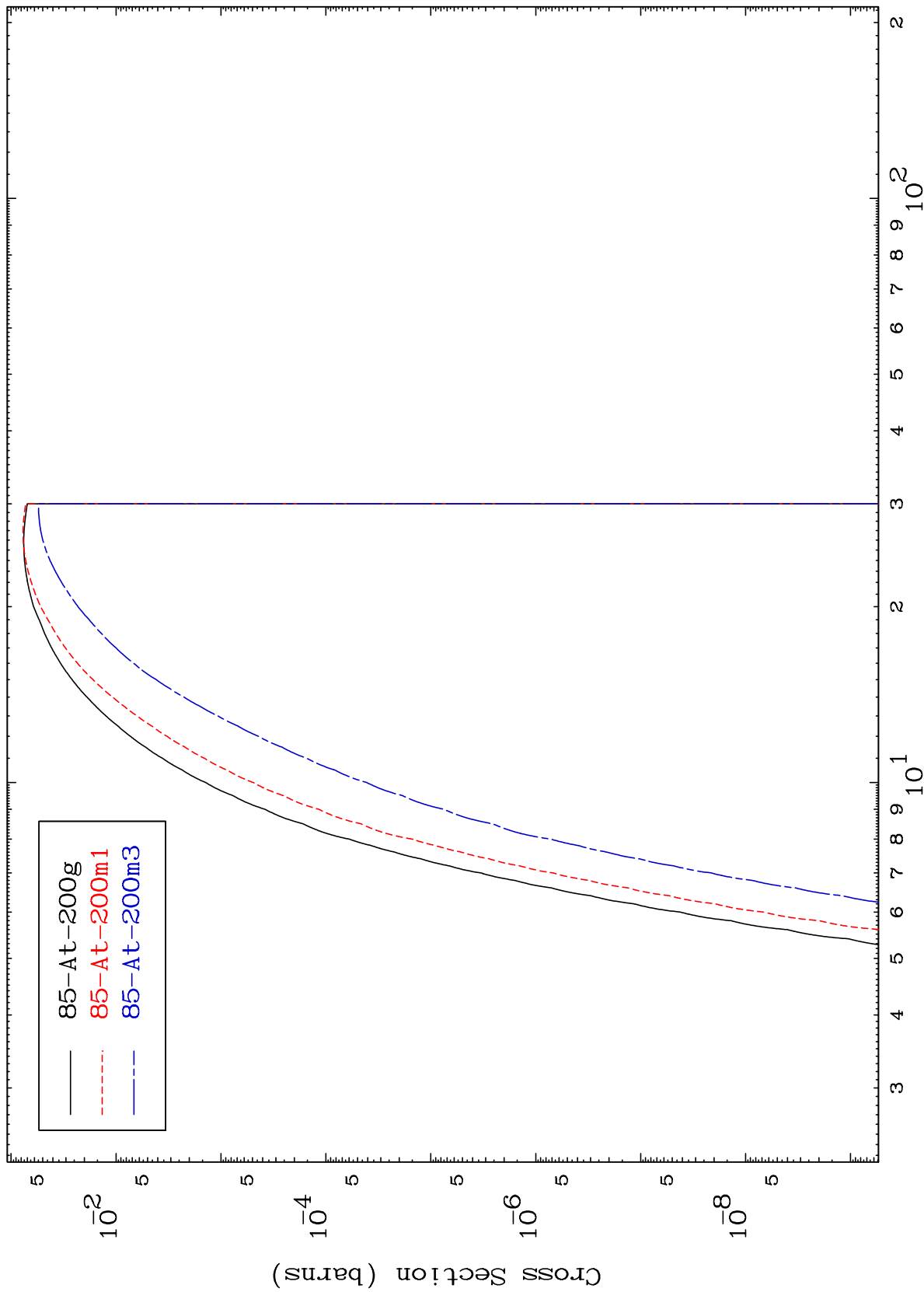


MAT 8595

(n,n') p

86-Rn-201

Radionuclide Production Cross Section



91

Incident Energy (MeV)

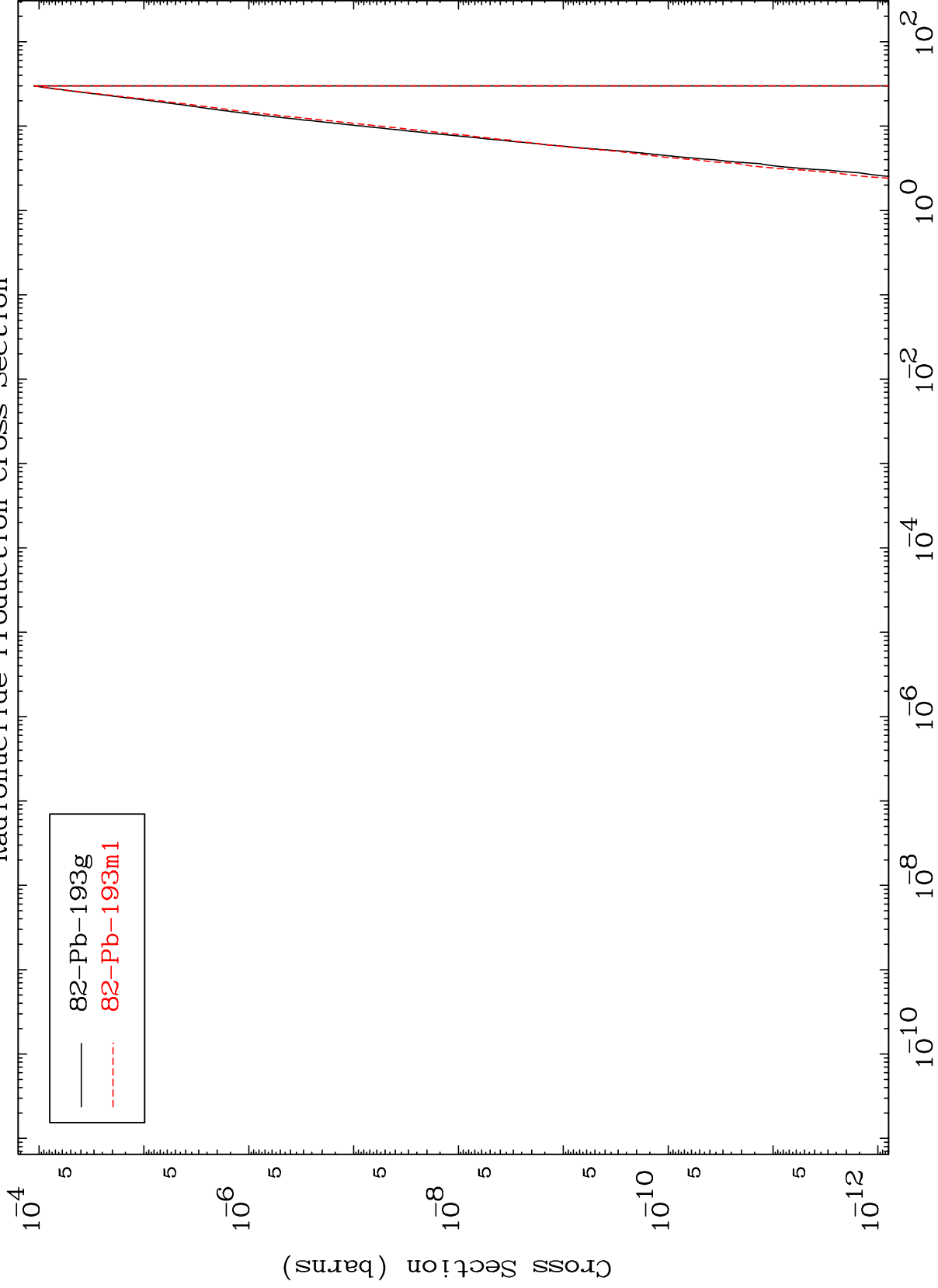
86-Rn-201

MAT 8595

(n,n') 2 α

86-Rn-201

Radionuclide Production Cross Section



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

92

Incident Energy (MeV)

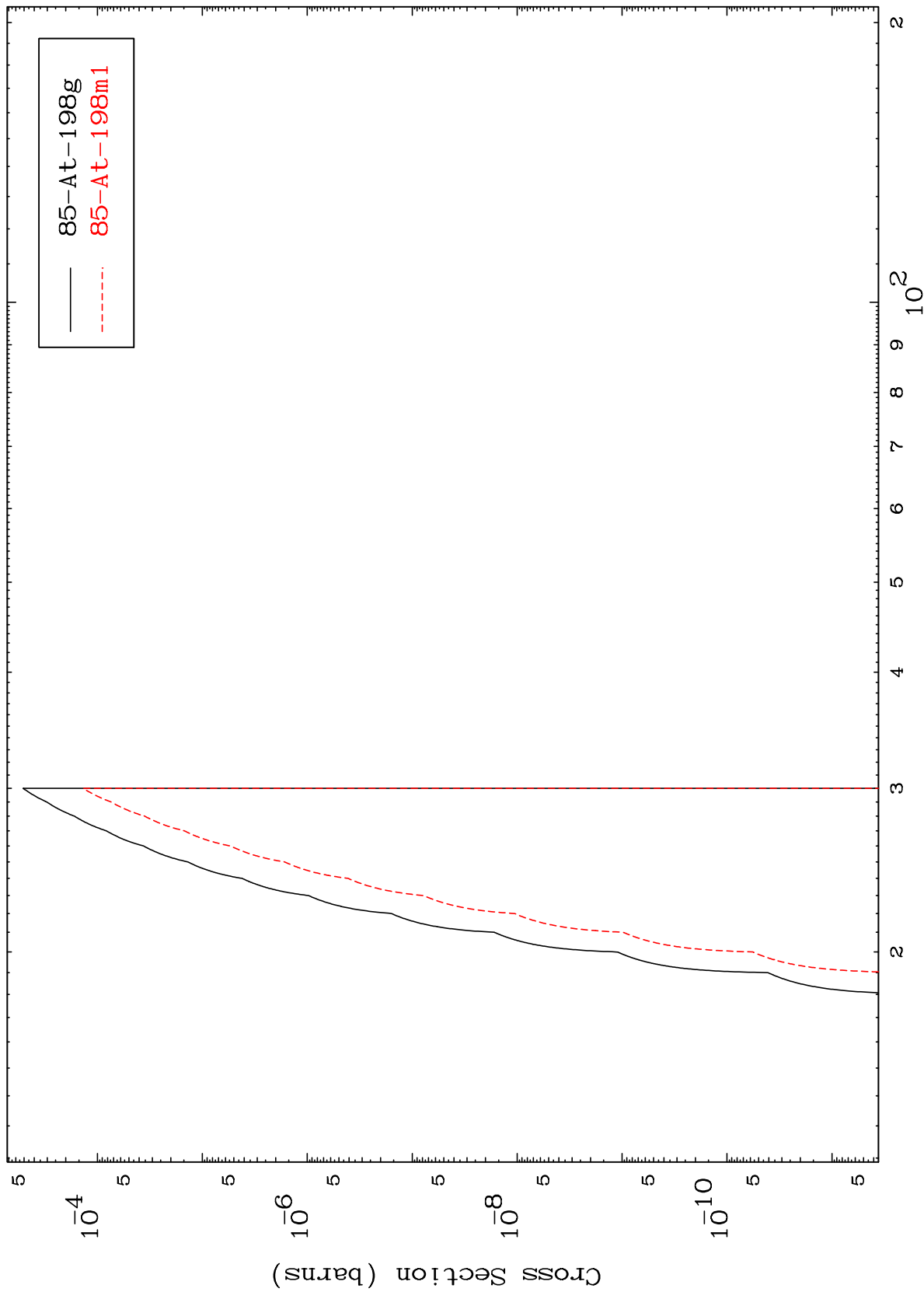
86-Rn-201

MAT 8595

(n,n') t

86-Rn-201

Radionuclide Production Cross Section



93

Incident Energy (MeV)

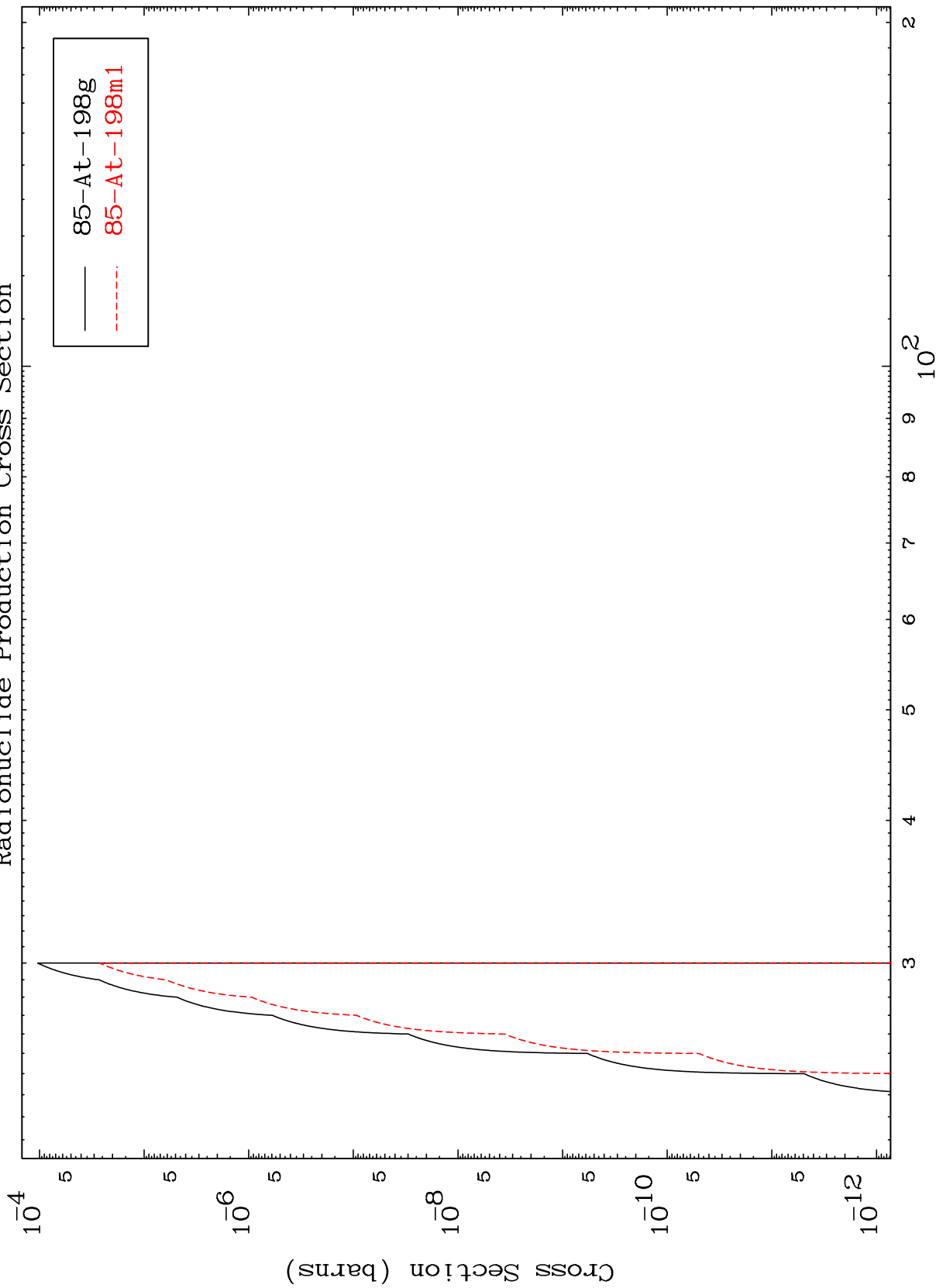
86-Rn-201

MAT 8595

(n,3n) p

86-Rn-201

Radionuclide Production Cross Section



94

Incident Energy (MeV)

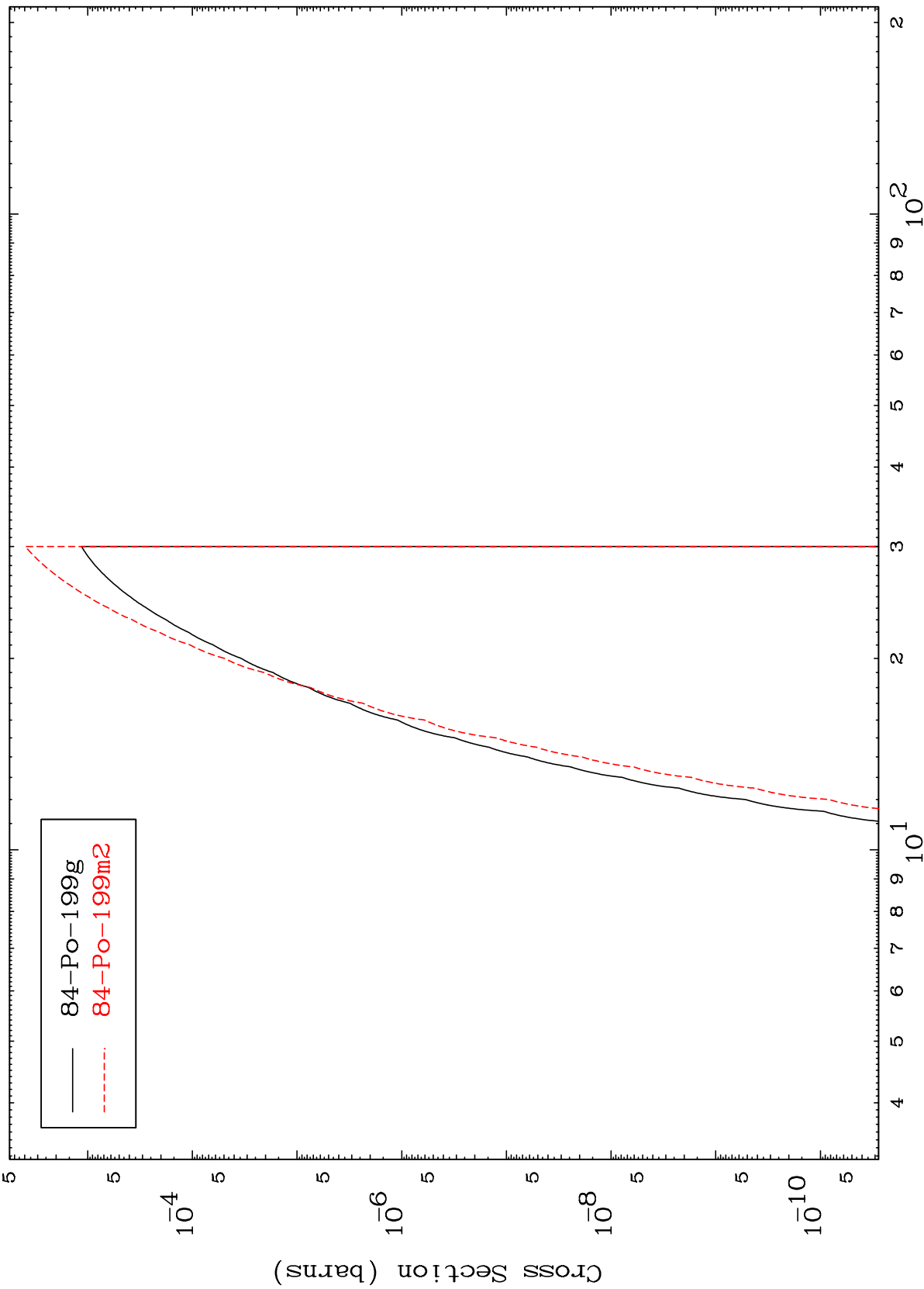
86-Rn-201

MAT 8595

(n,2n) p

86-Rn-201

Radionuclide Production Cross Section



95

Incident Energy (MeV)

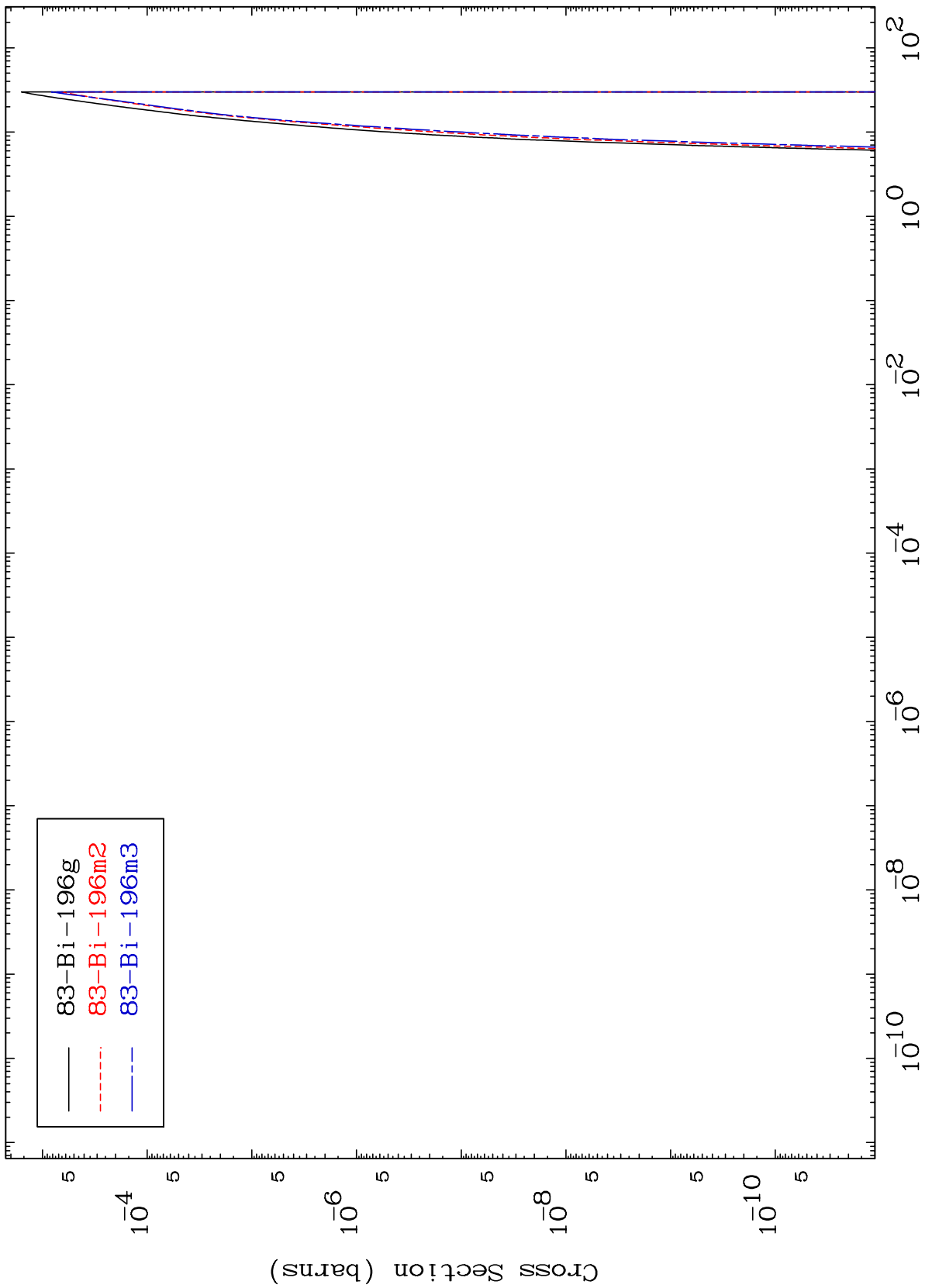
86-Rn-201

MAT 8595

(n,n') p α

86-Rn-201

Radionuclide Production Cross Section



96

Incident Energy (MeV)

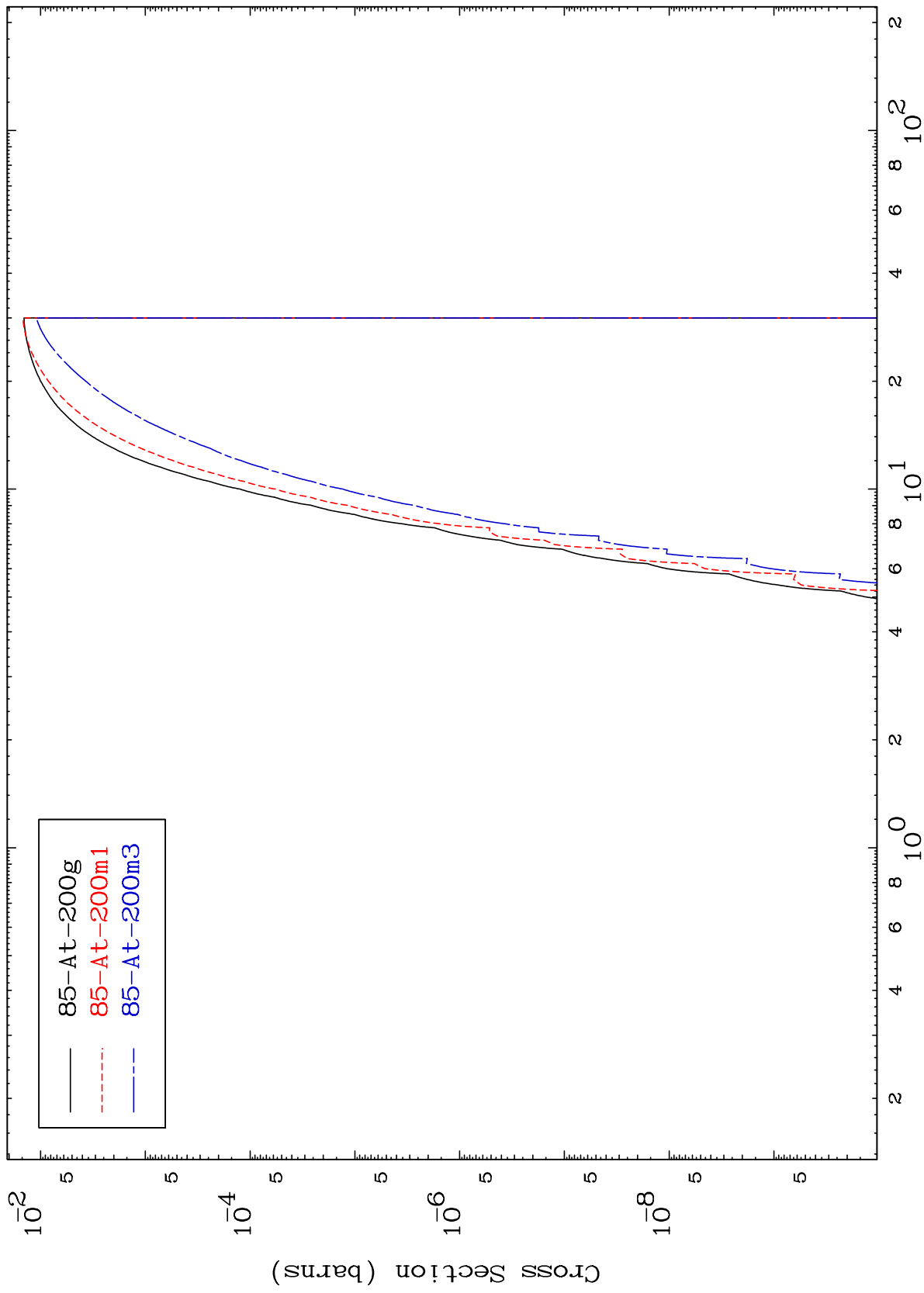
86-Rn-201

MAT 8595

(n,d)

86-Rn-201

Radionuclide Production Cross Section



97

Incident Energy (MeV)

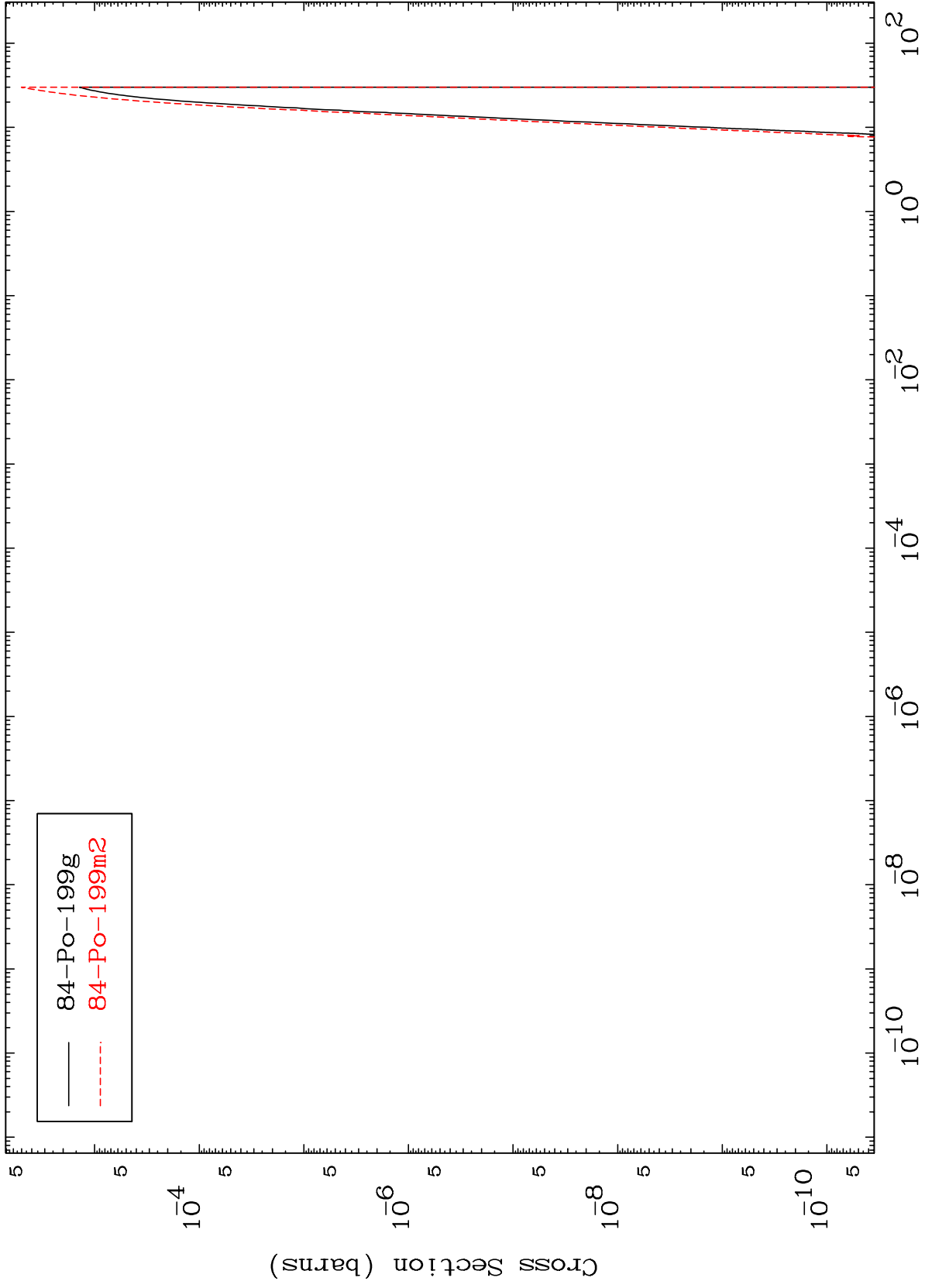
86-Rn-201

MAT 8595

(n,He-3)

86-Rn-201

Radionuclide Production Cross Section



98

Incident Energy (MeV)

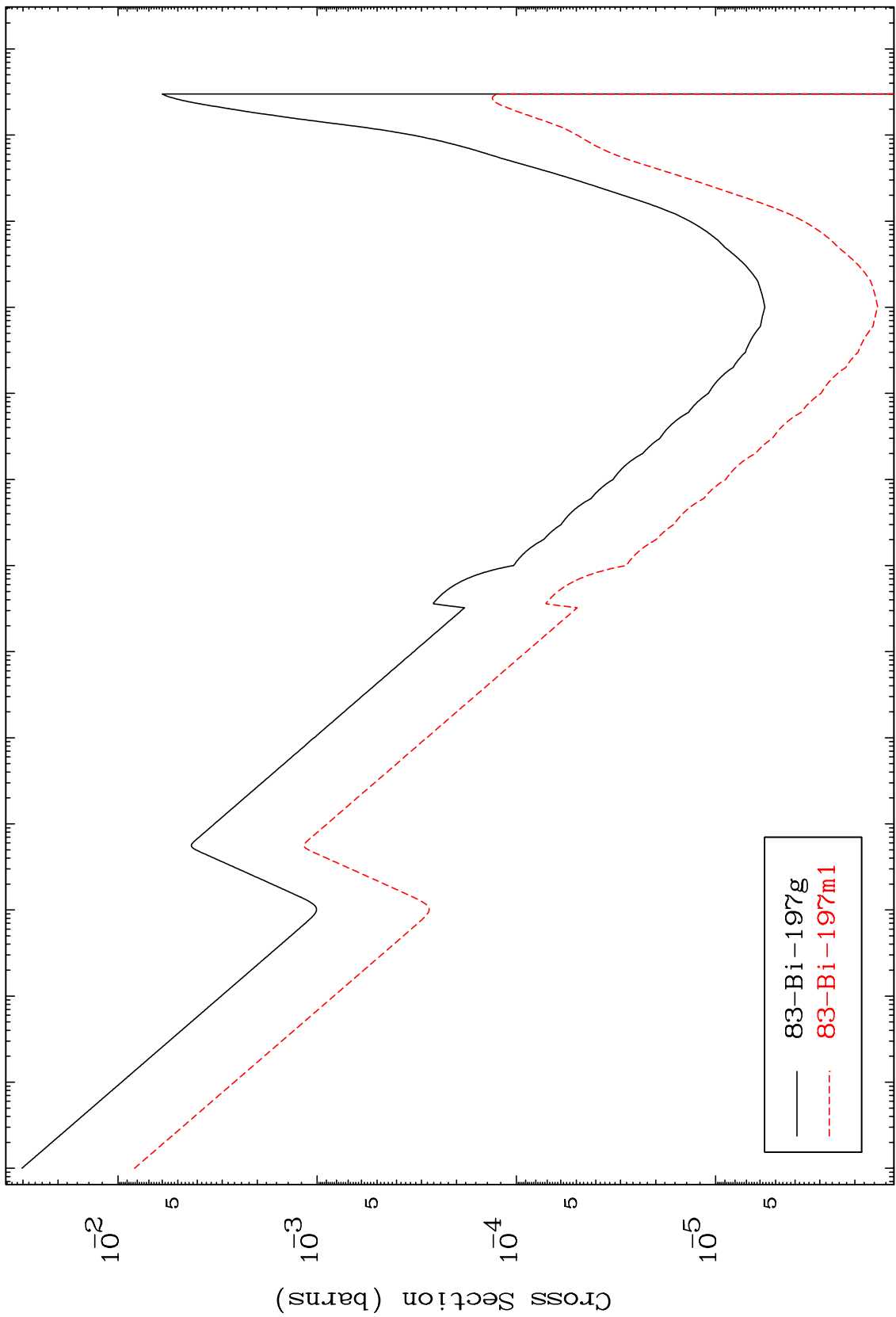
86-Rn-201

MAT 8595

(n,p) α

86-Rn-201

Radionuclide Production Cross Section



86-Rn-201

Incident Energy (MeV)

83-Bi-197g

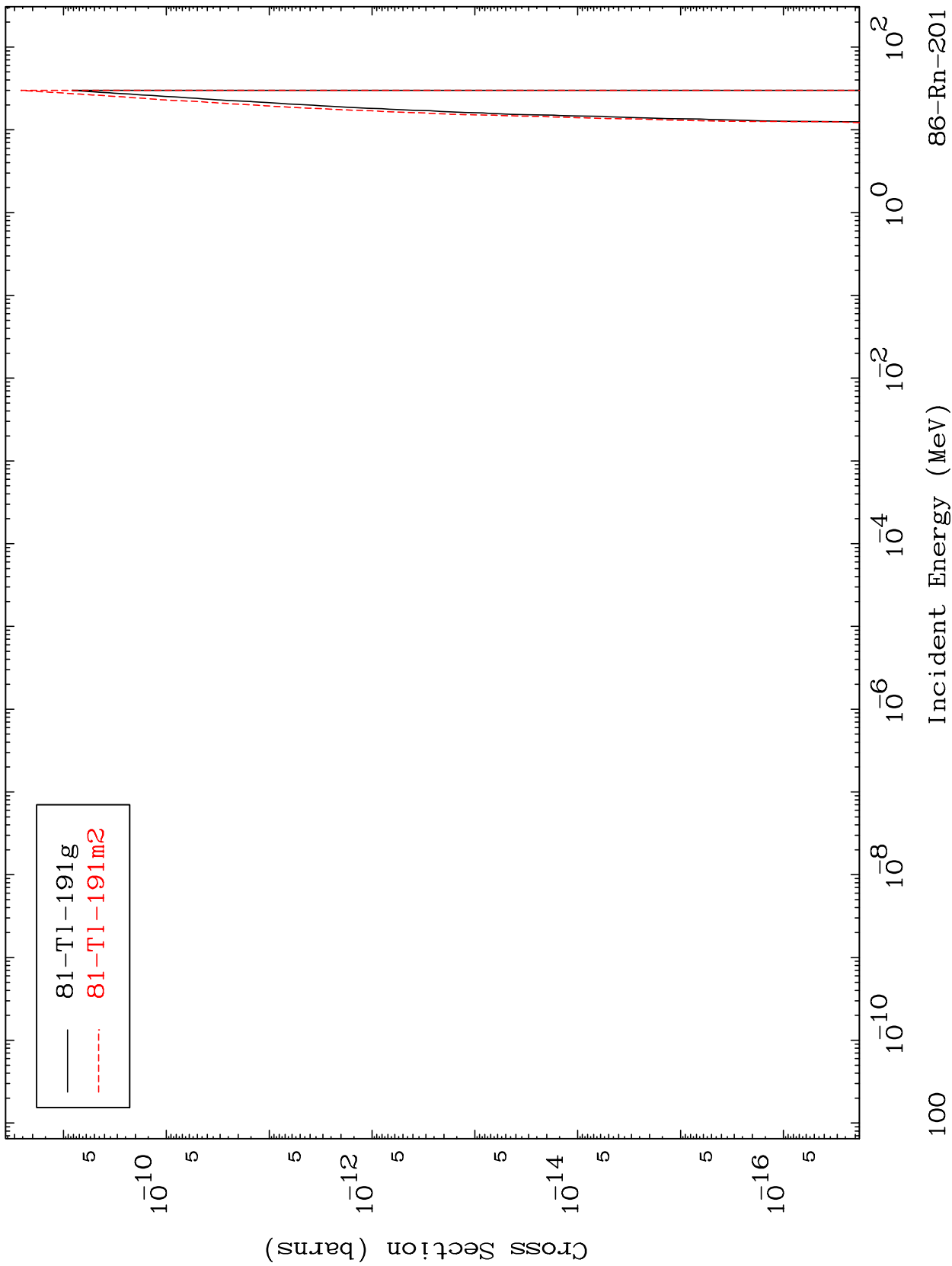
83-Bi-197m1

MAT 8595

(n,t) 2 α

86-Rn-201

Radionuclide Production Cross Section



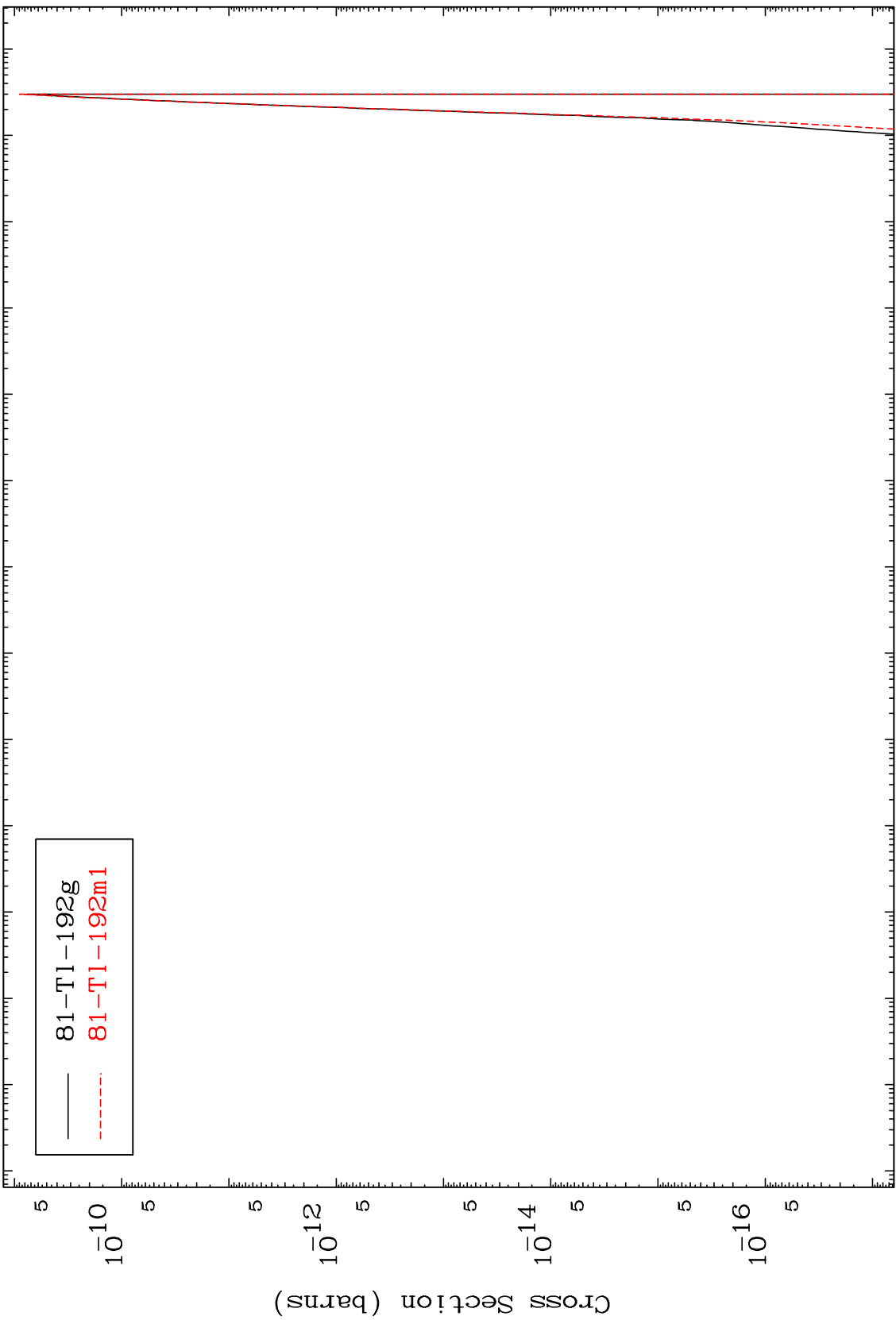
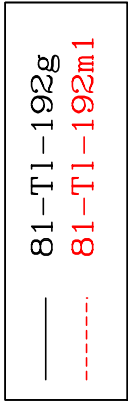
100

MAT 8595

(n,d) 2 α

86-Rn-201

Radionuclide Production Cross Section



101

Incident Energy (MeV)

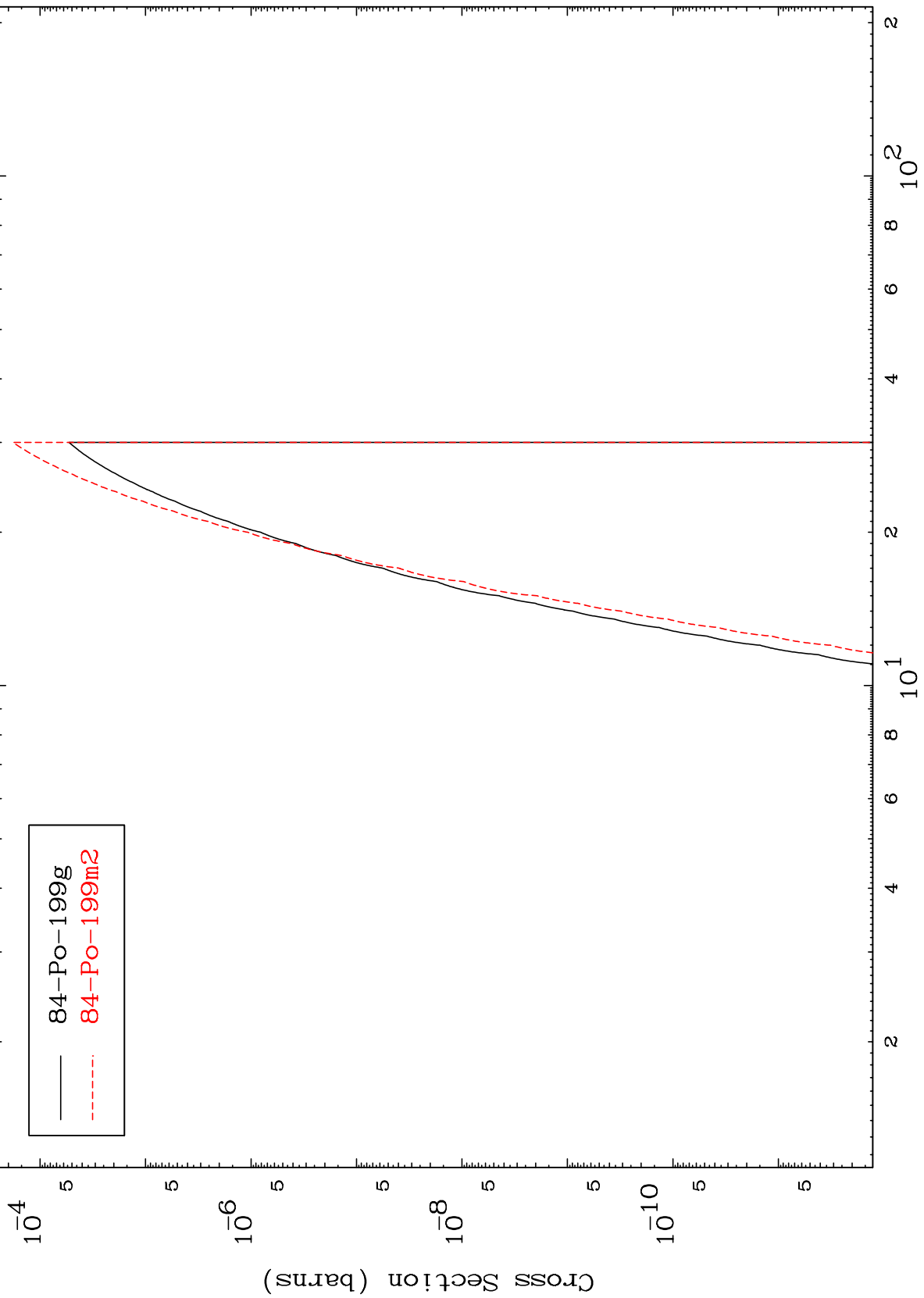
86-Rn-201

MAT 8595

(n,p) d

86-Rn-201

Radionuclide Production Cross Section



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

102

Incident Energy (MeV)

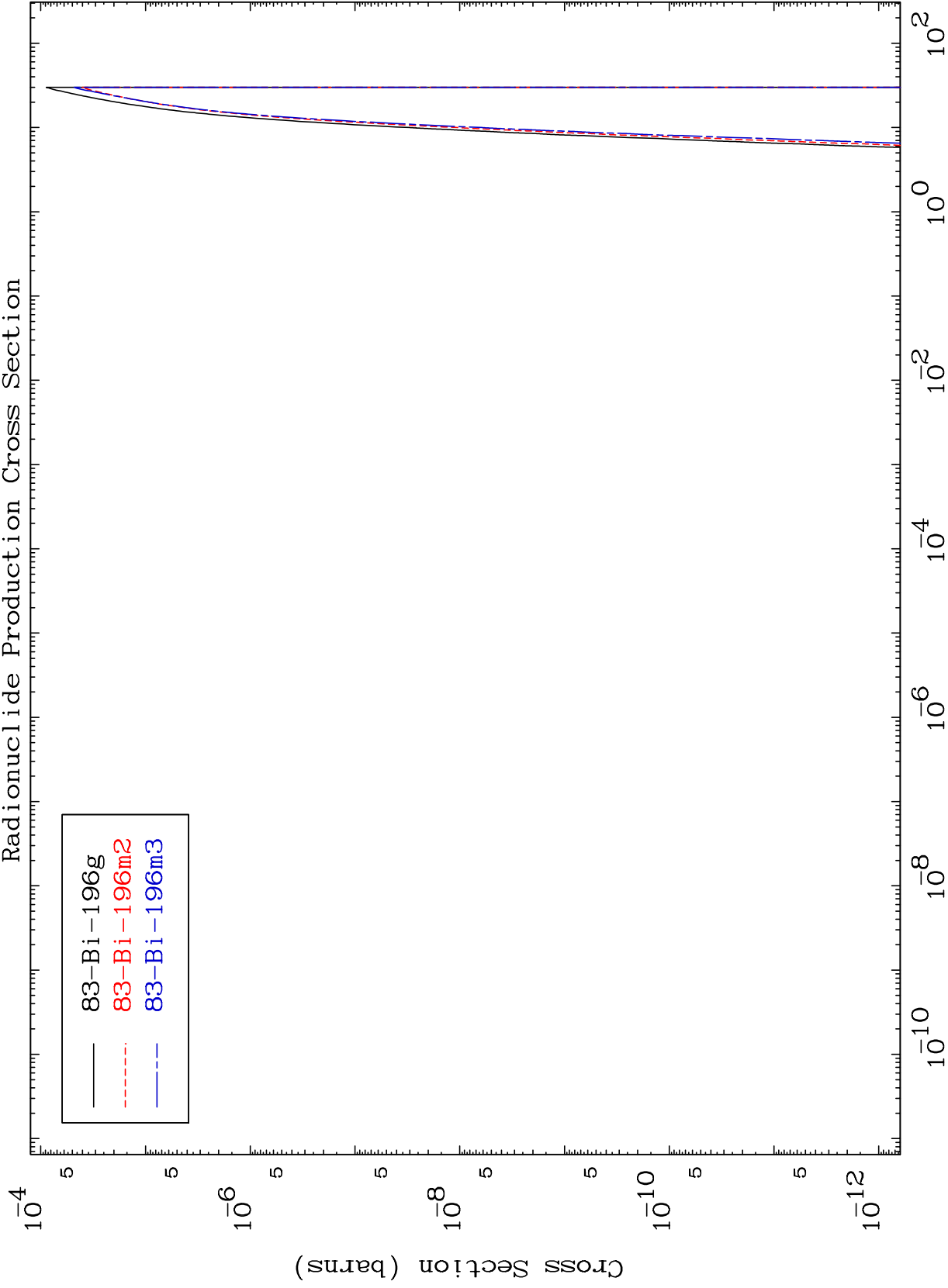
86-Rn-201

MAT 8595

(n,d) α

86-Rn-201

Radionuclide Production Cross Section



103

Incident Energy (MeV)

86-Rn-201