

Program EVALPLOT
(Version 2015-2)

by

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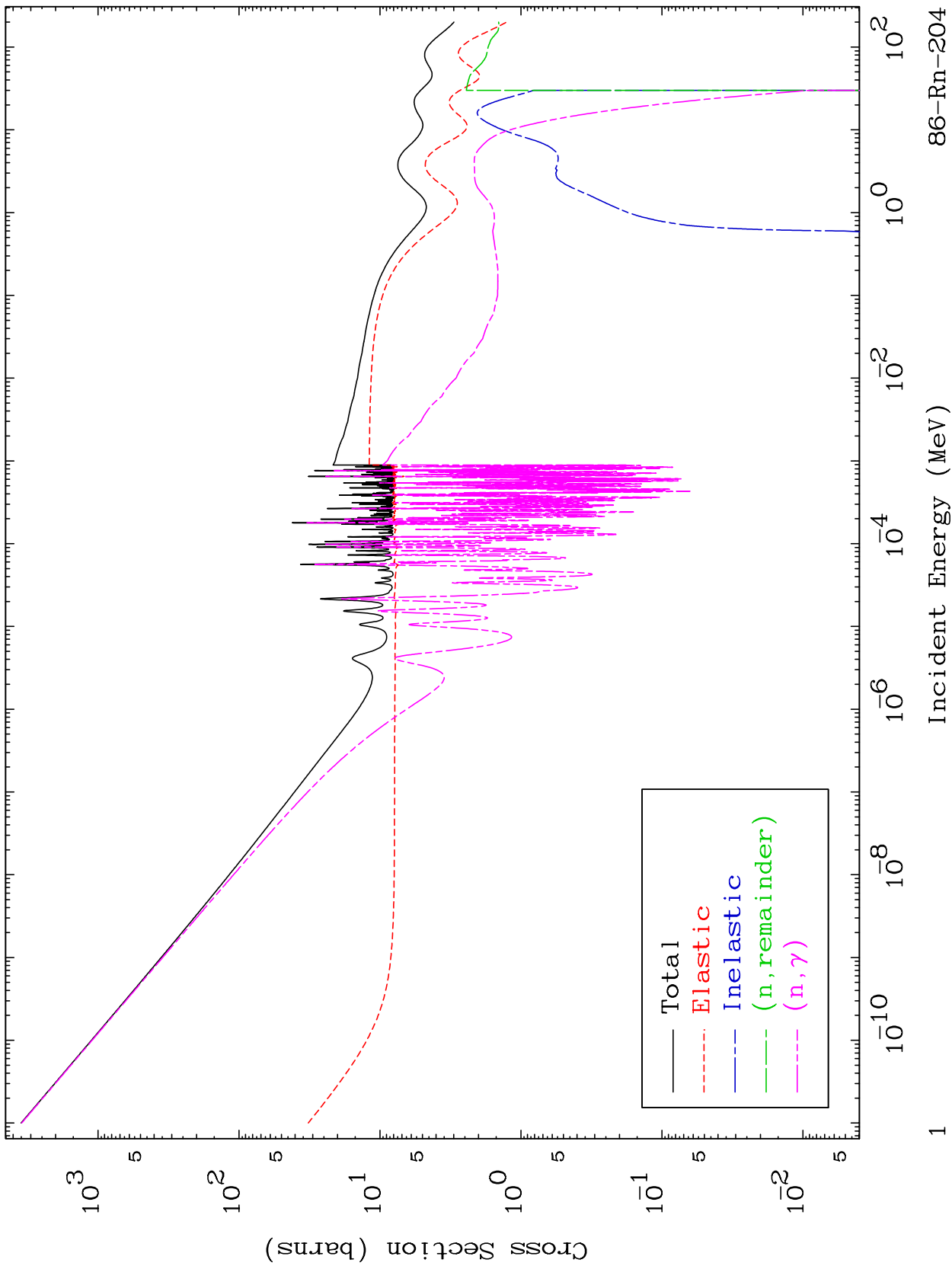
Press Mouse Button to Start

MAT 8604

Major

293 Kelvin Cross Sections

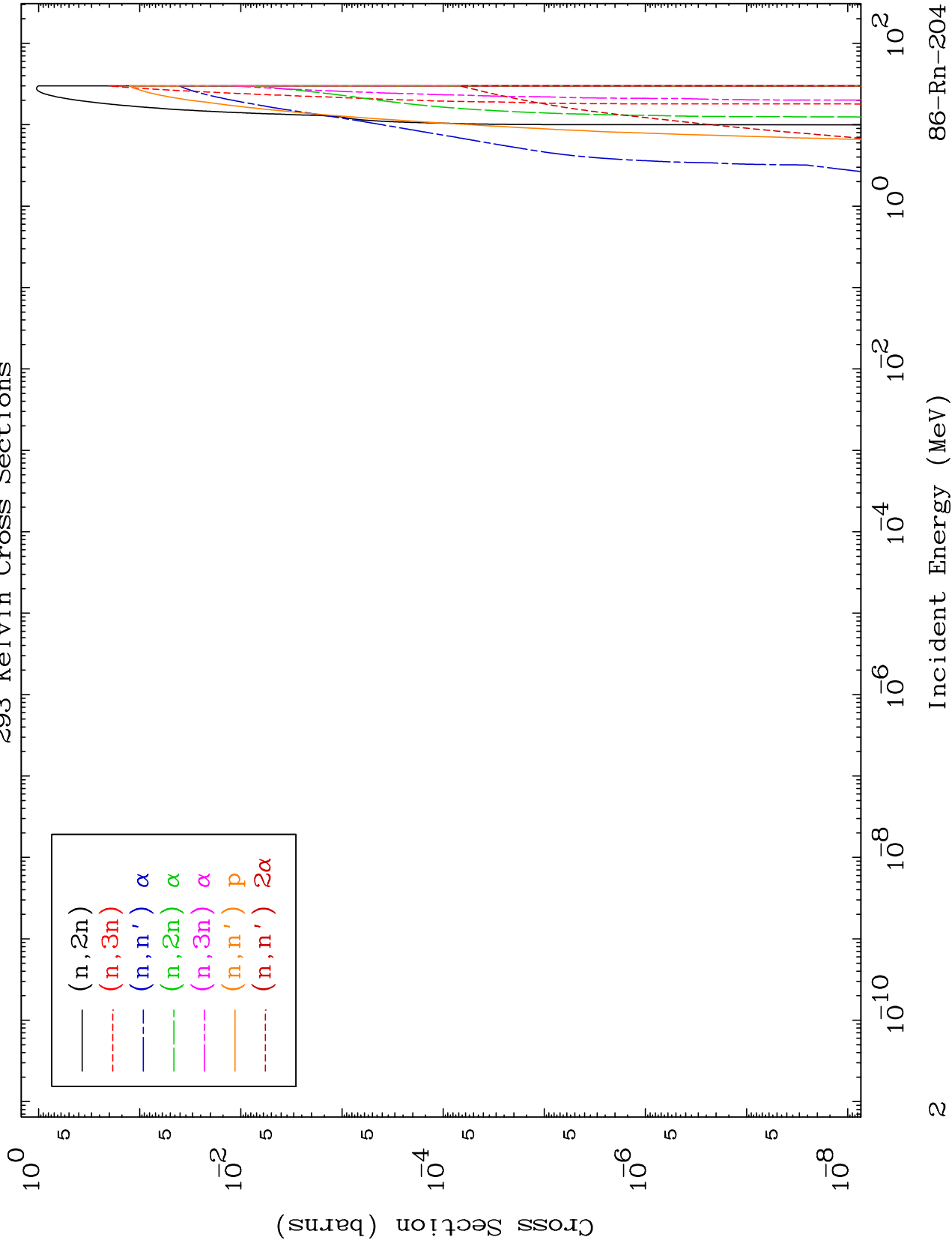
86-Rn-204



MAT 8604

Neutron Production
293 Kelvin Cross Sections

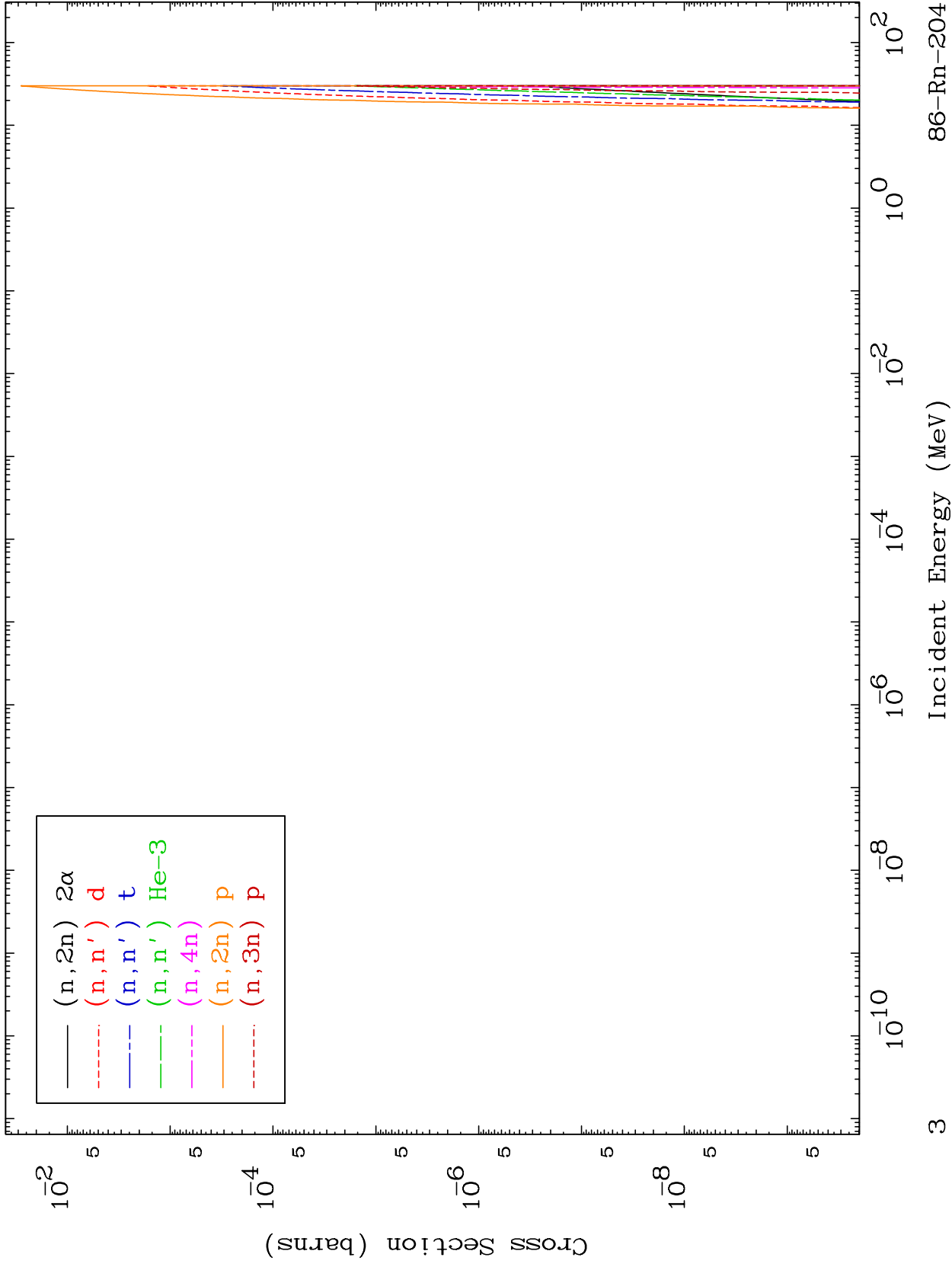
86-Rn-204



MAT 8604

Neutron Production
293 Kelvin Cross Sections

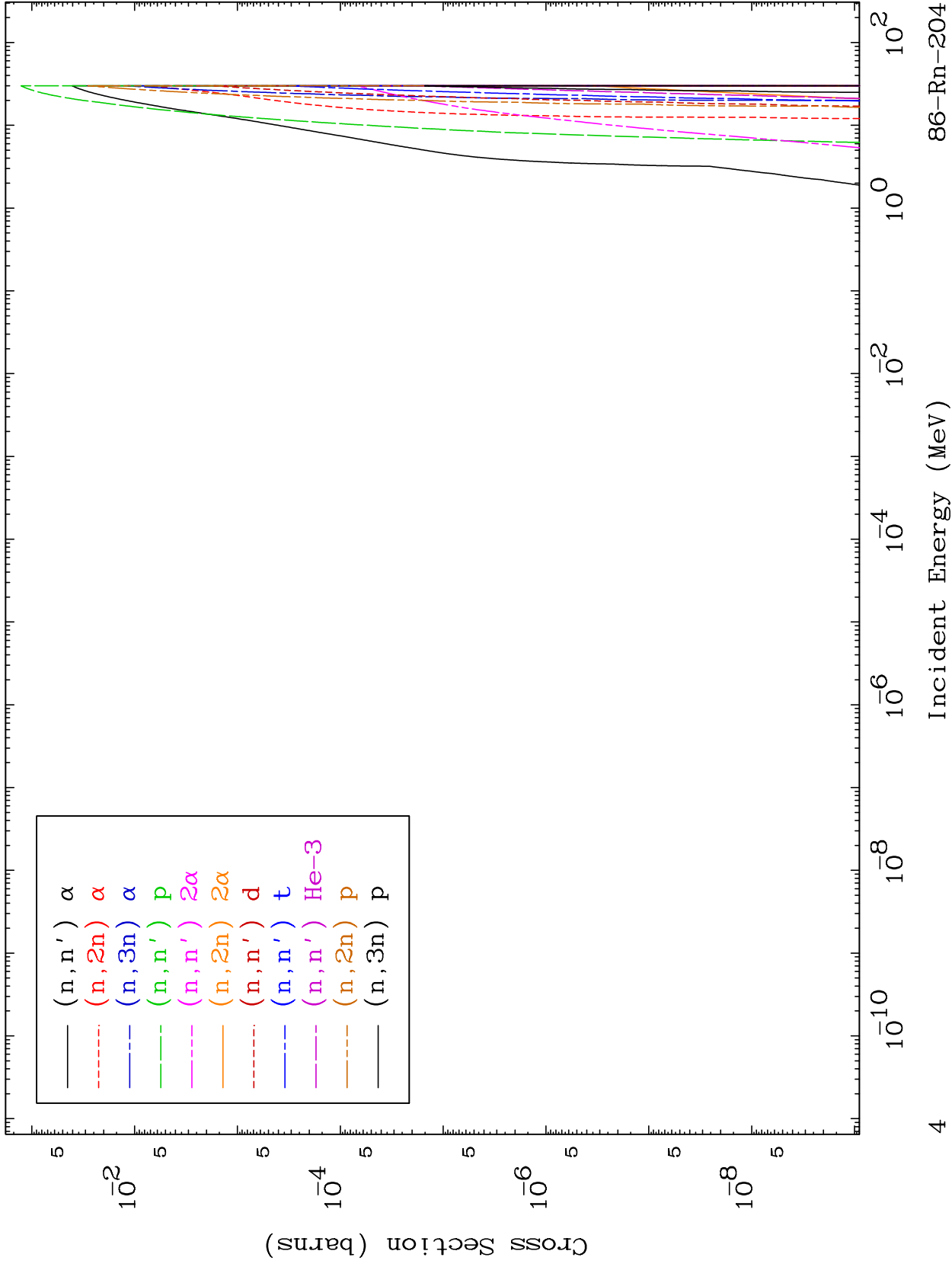
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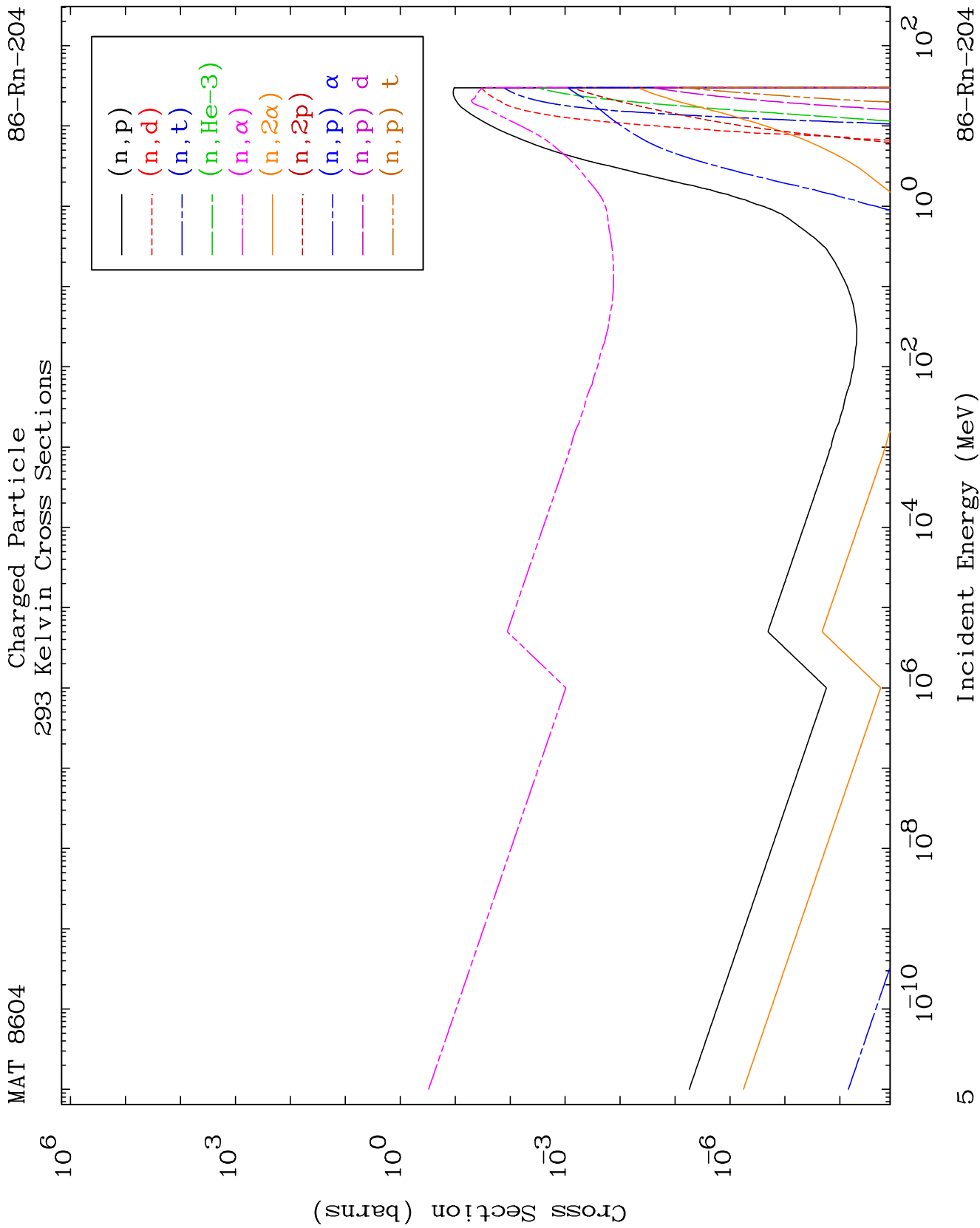


MAT 8604

Charged Particle
293 Kelvin Cross Sections

86-Rn-204

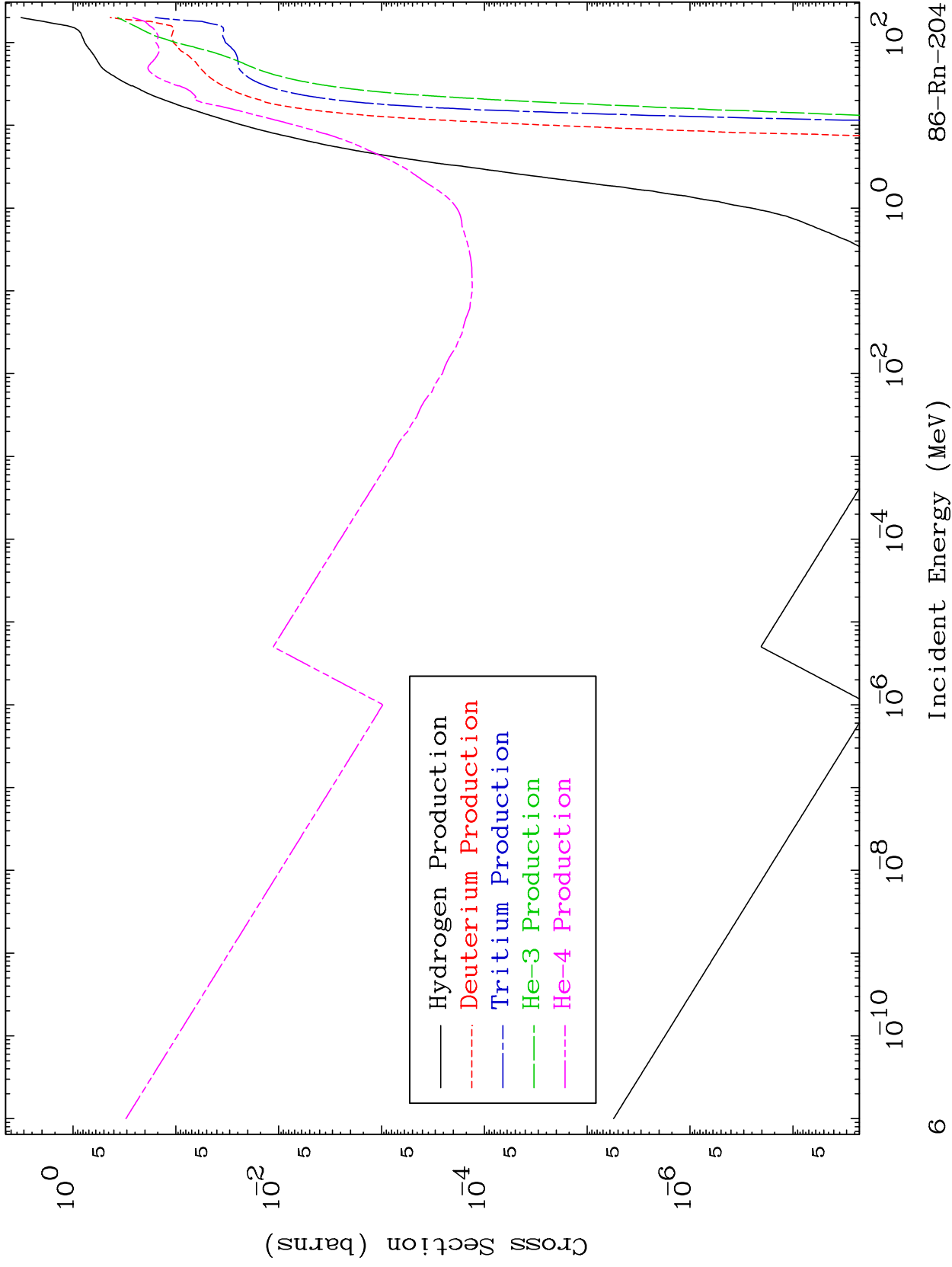




MAT 8604

Particle Production
293 Kelvin Cross Sections

86-Rn-204

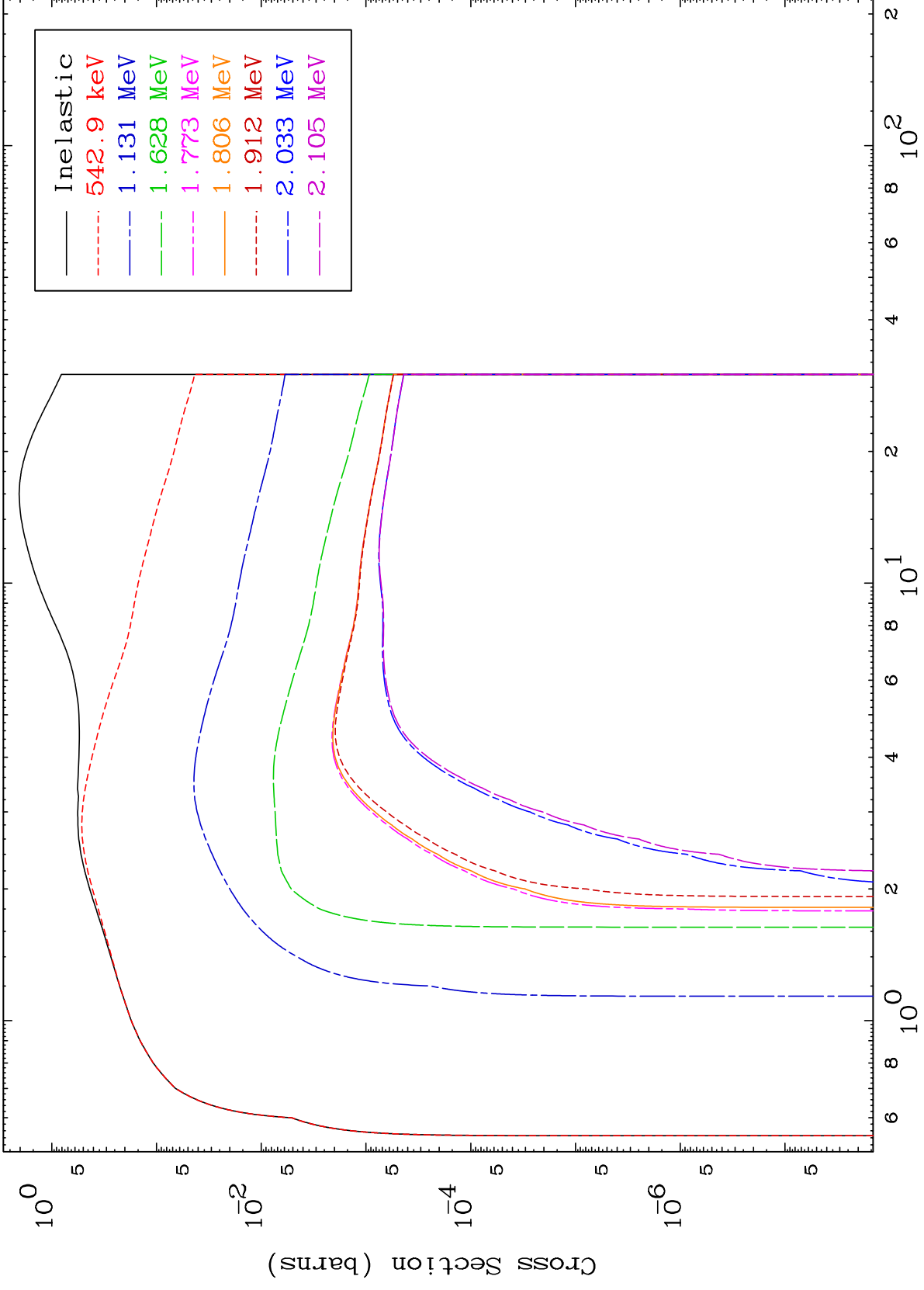


MAT 8604

(n,n') Level

86-Rn-204

293 Kelvin Cross Sections



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Incident Energy (MeV)

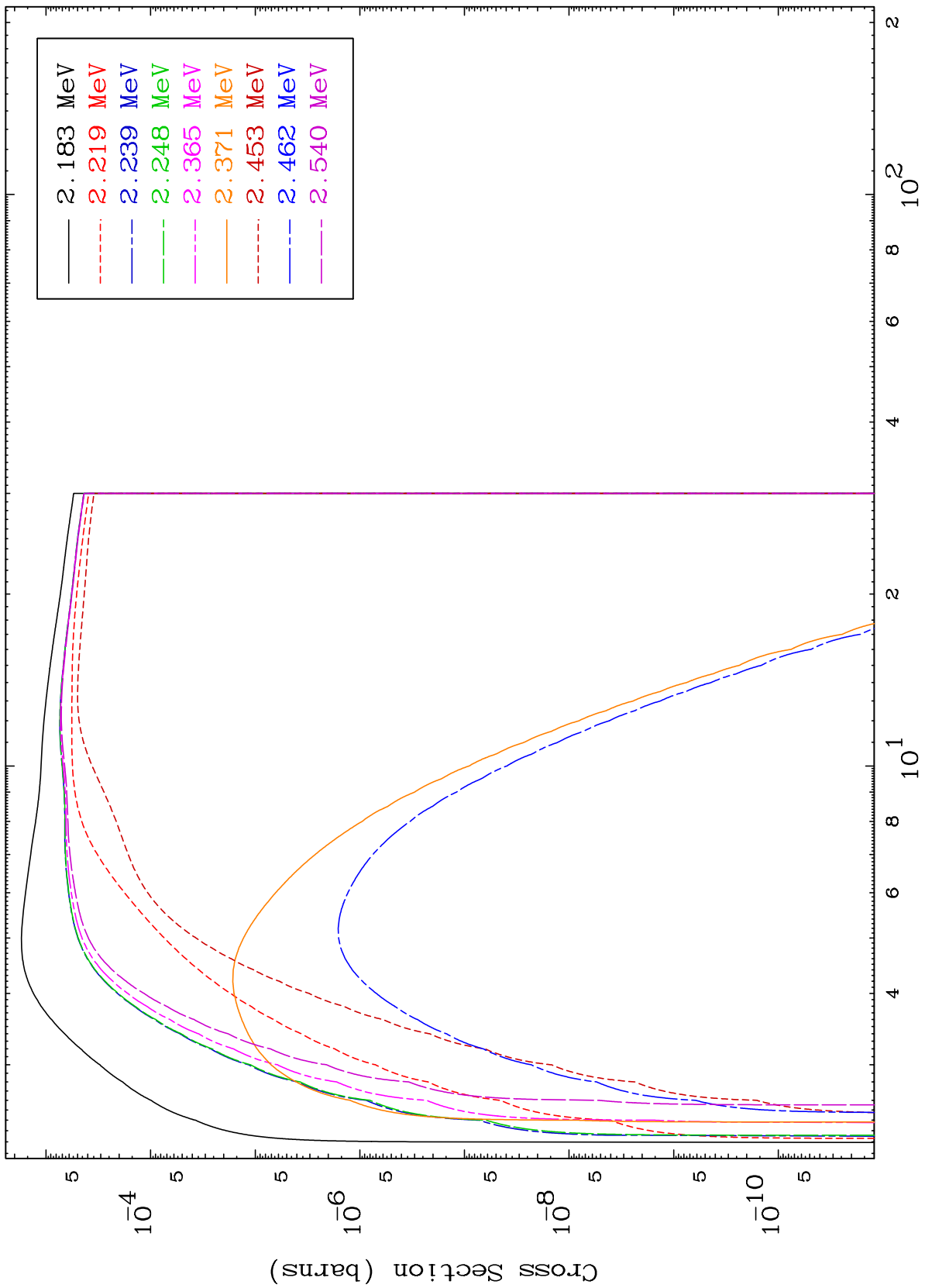
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MAT 8604

(n,n') Level

86-Rn-204

293 Kelvin Cross Sections



8

Incident Energy (MeV)

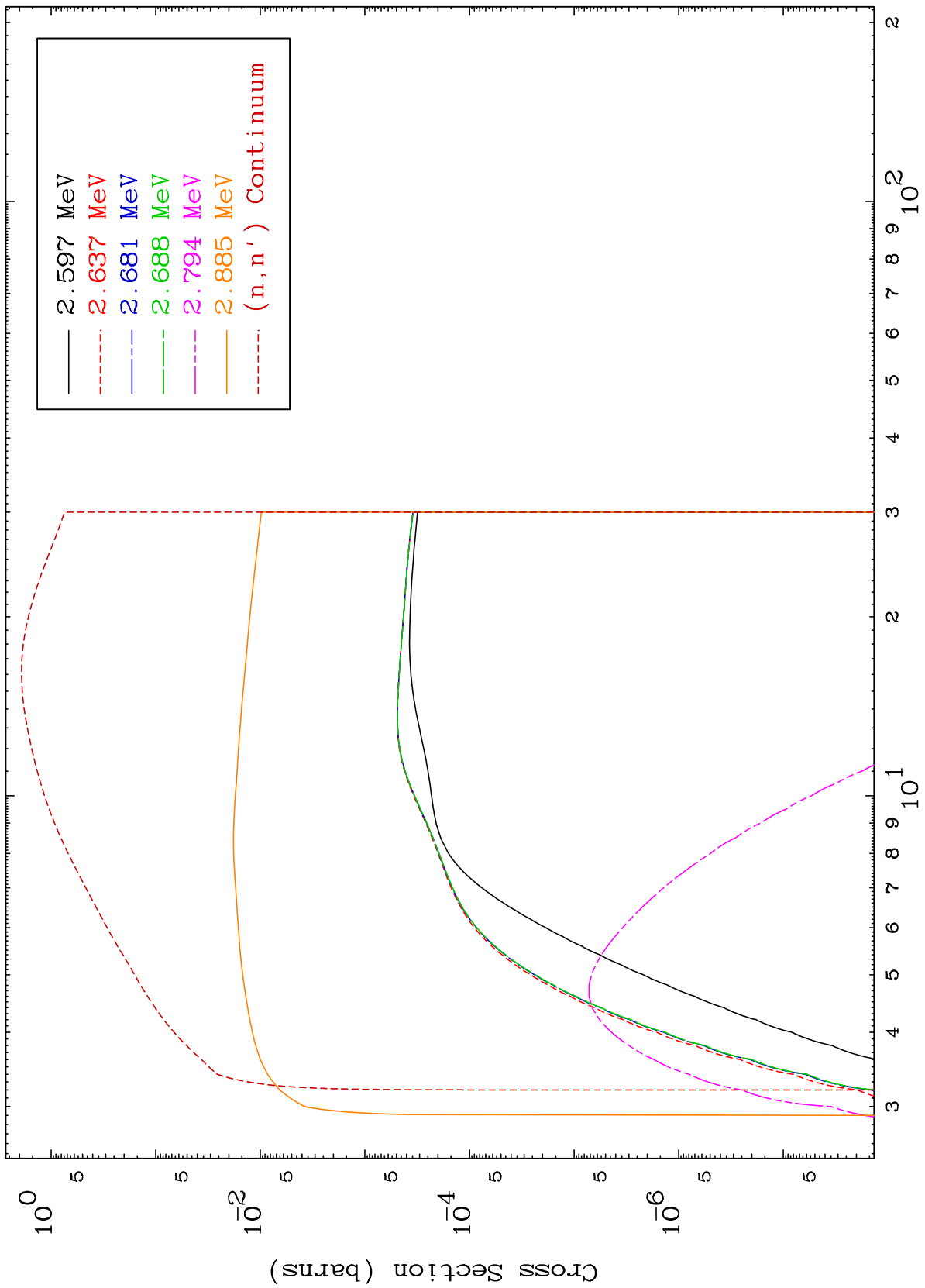
86-Rn-204

MAT 8604

(n,n') Level

86-Rn-204

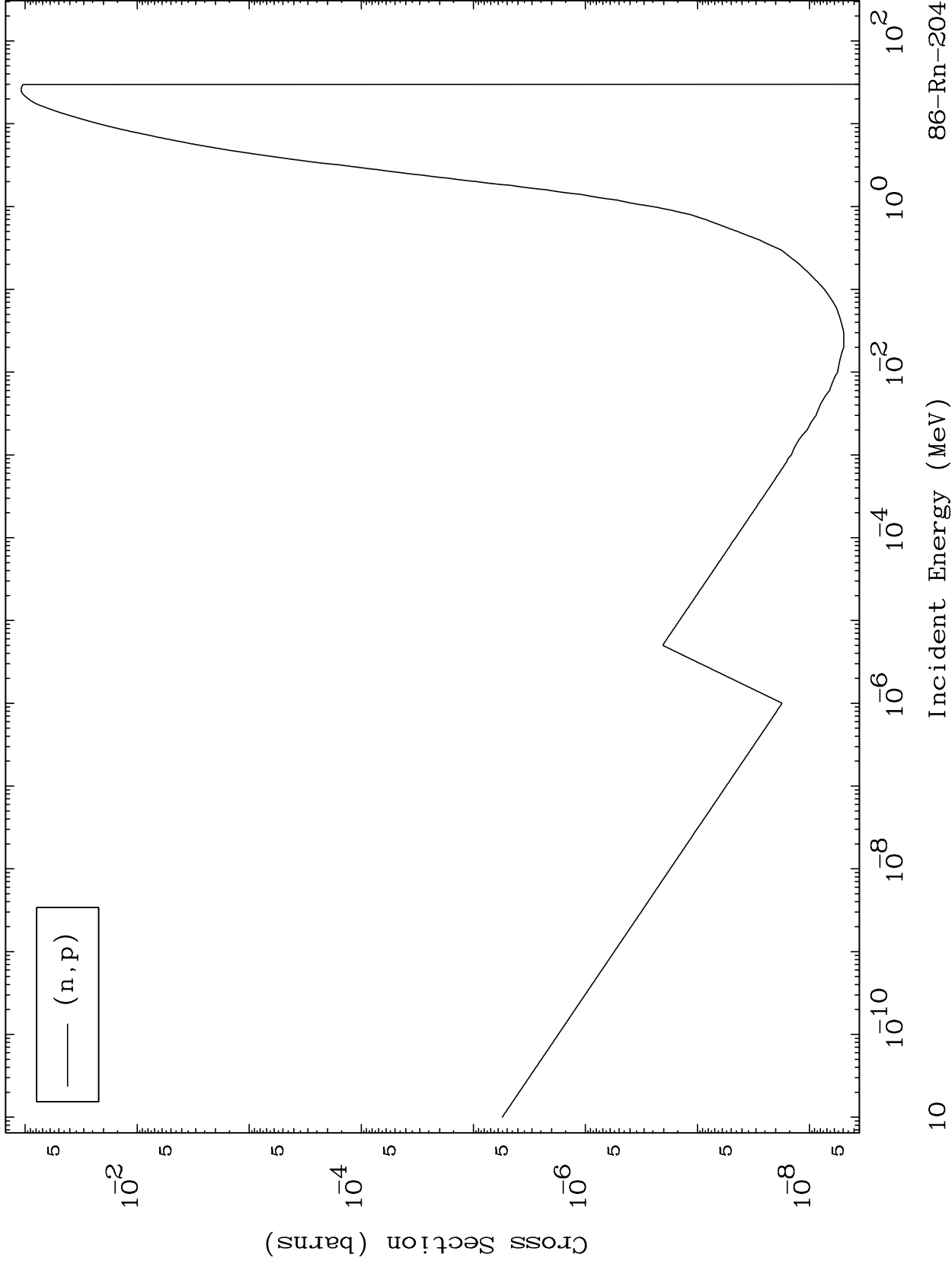
293 Kelvin Cross Sections



MAT 8604

(n,p) Levels
293 Kelvin Cross Sections

86-Rn-204



10

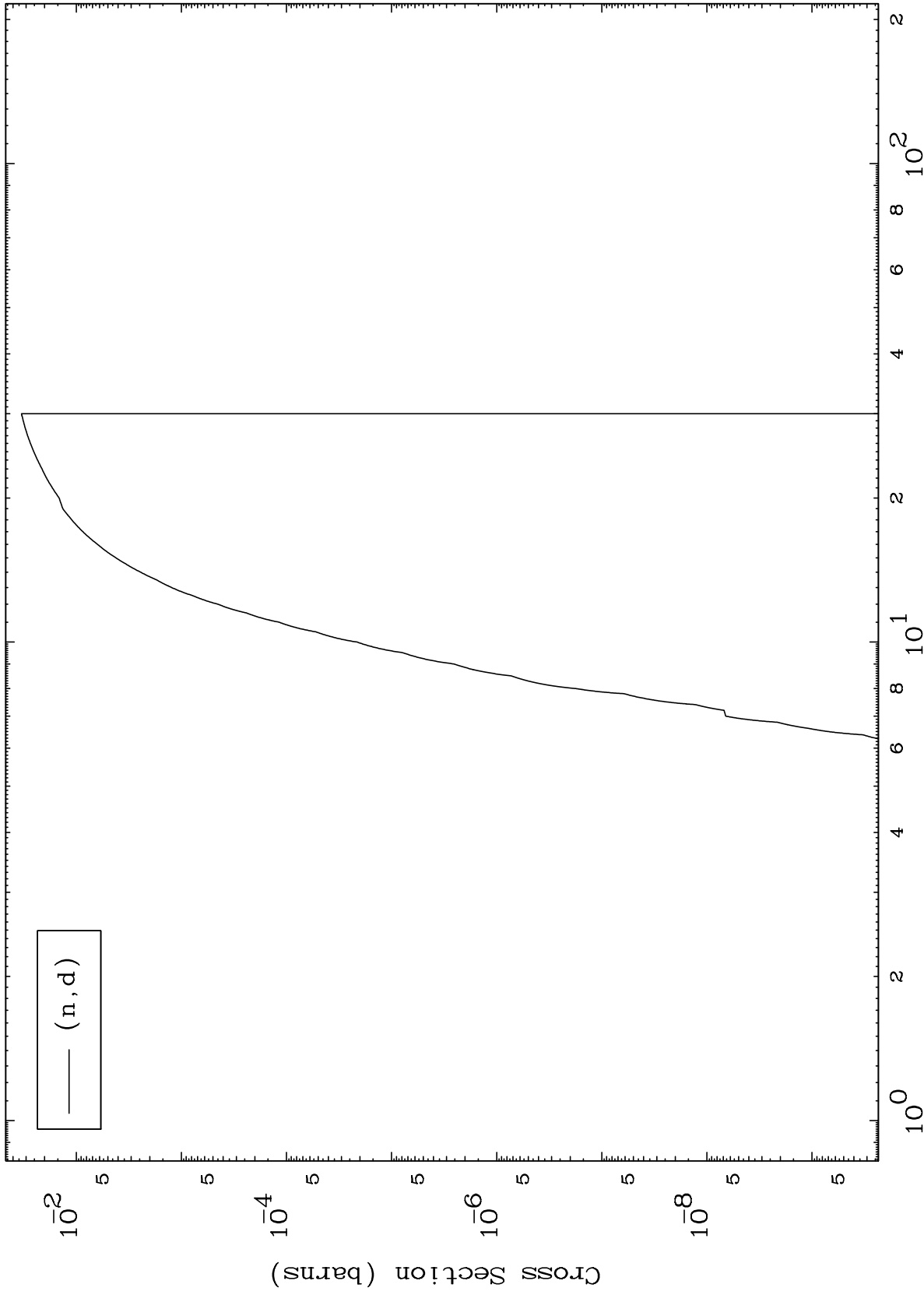
Incident Energy (MeV)

86-Rn-204

MAT 8604

(n,d) Levels
293 Kelvin Cross Sections

86-Rn-204



11

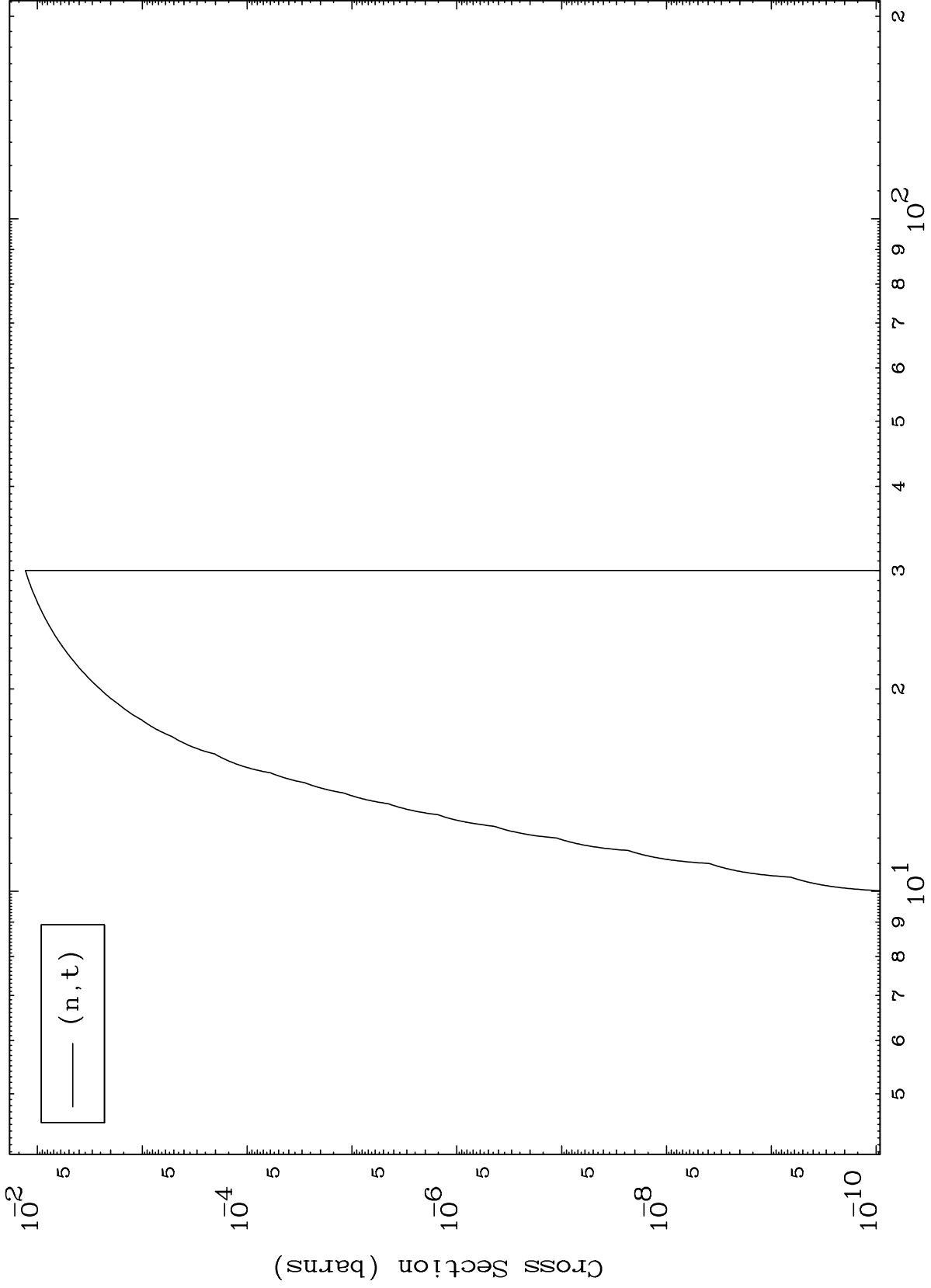
Incident Energy (MeV)

86-Rn-204

MAT 8604

(n,t) Levels
293 Kelvin Cross Sections

86-Rn-204



12

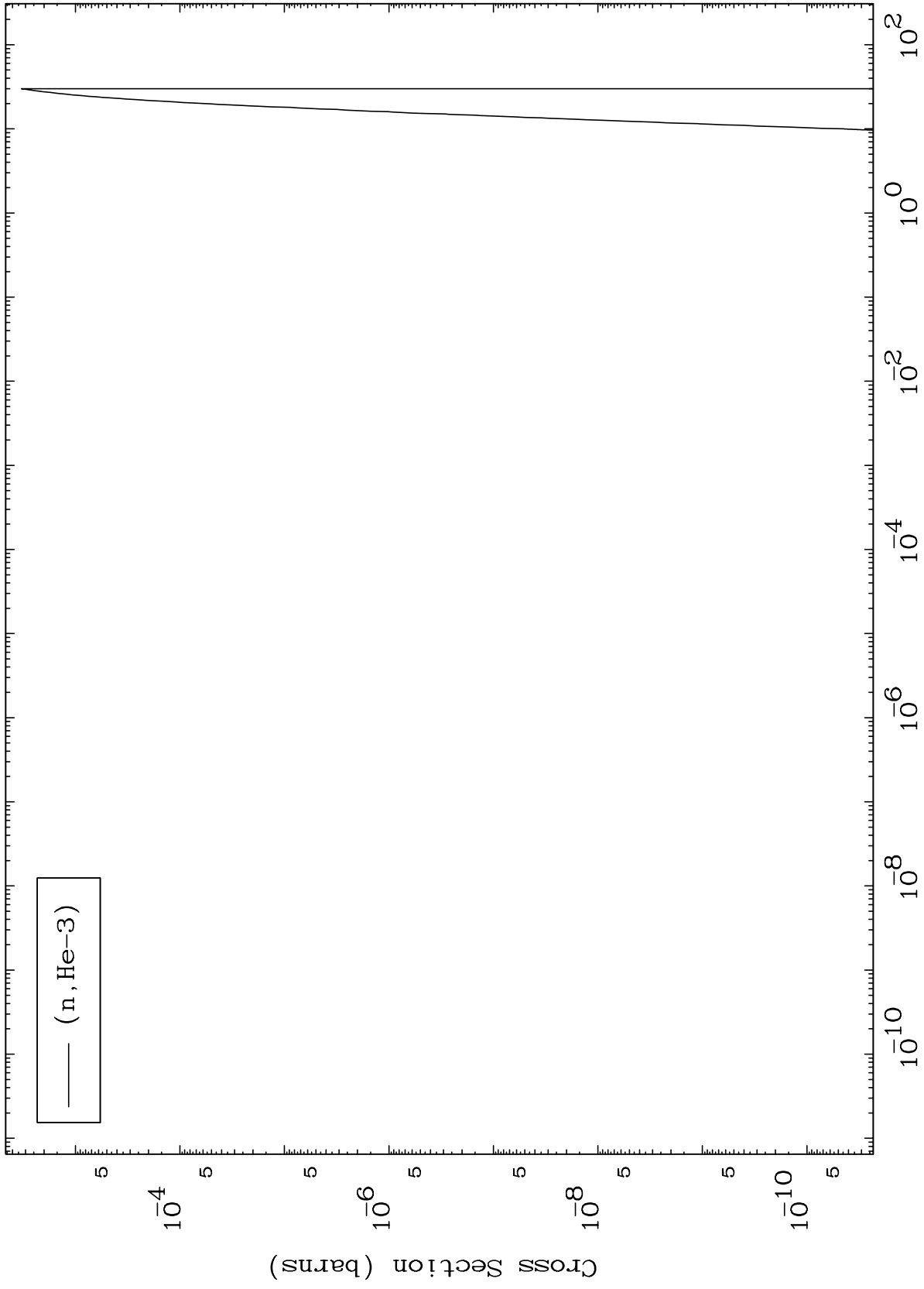
Incident Energy (MeV)

86-Rn-204

MAT 8604

(n,He3) Levels
293 Kelvin Cross Sections

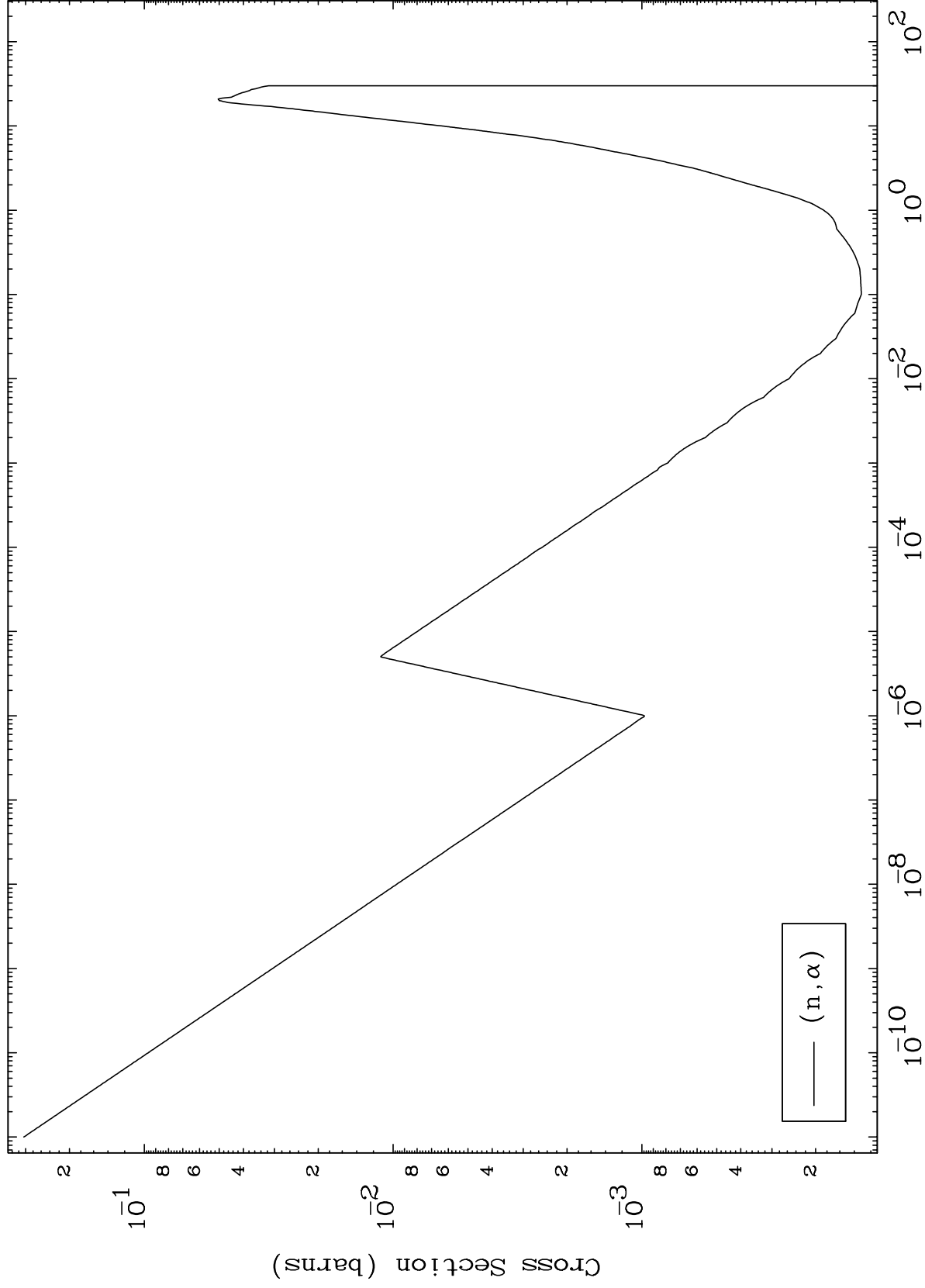
86-Rn-204



MAT 8604

(n,α) Levels
293 Kelvin Cross Sections

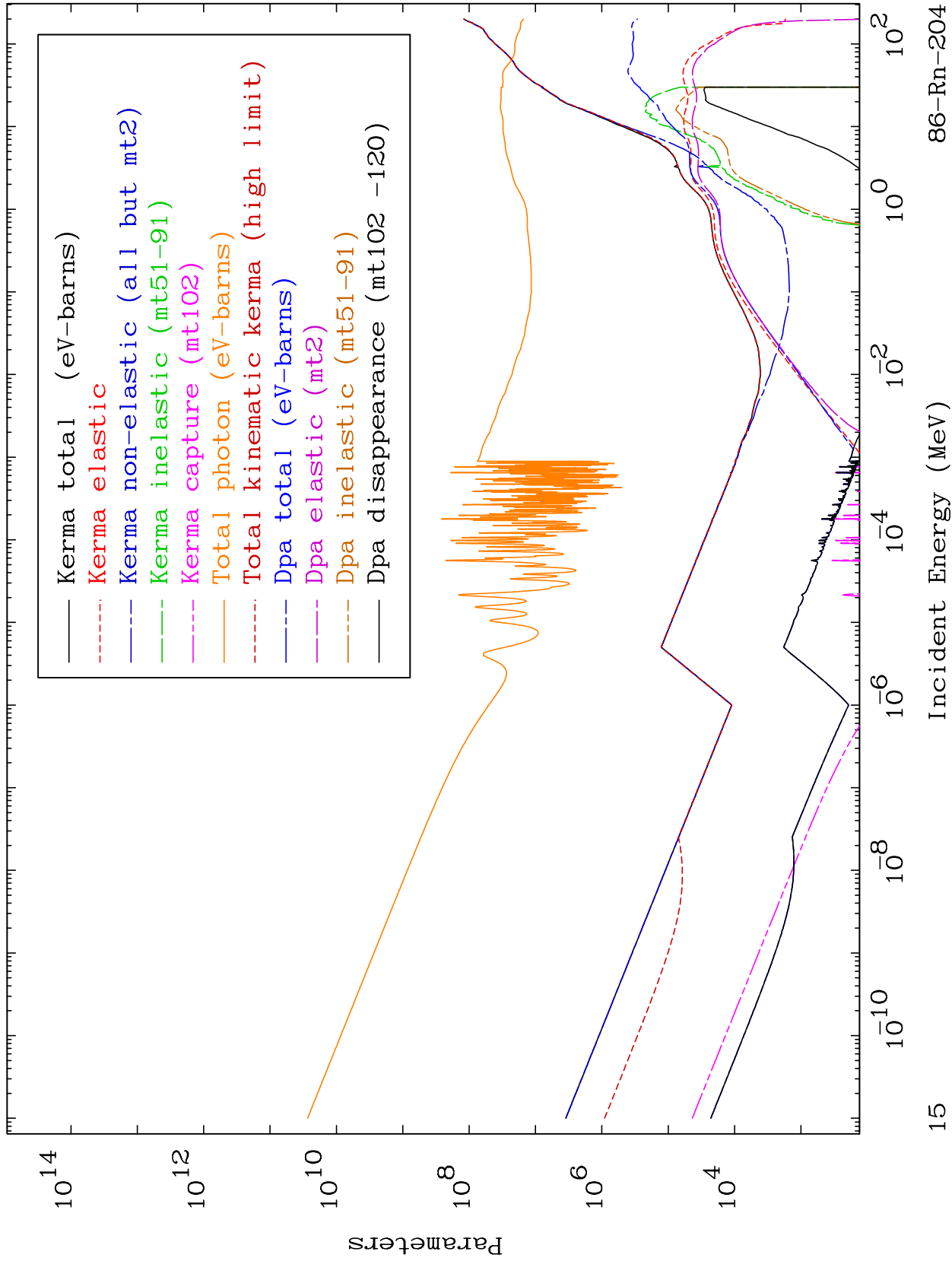
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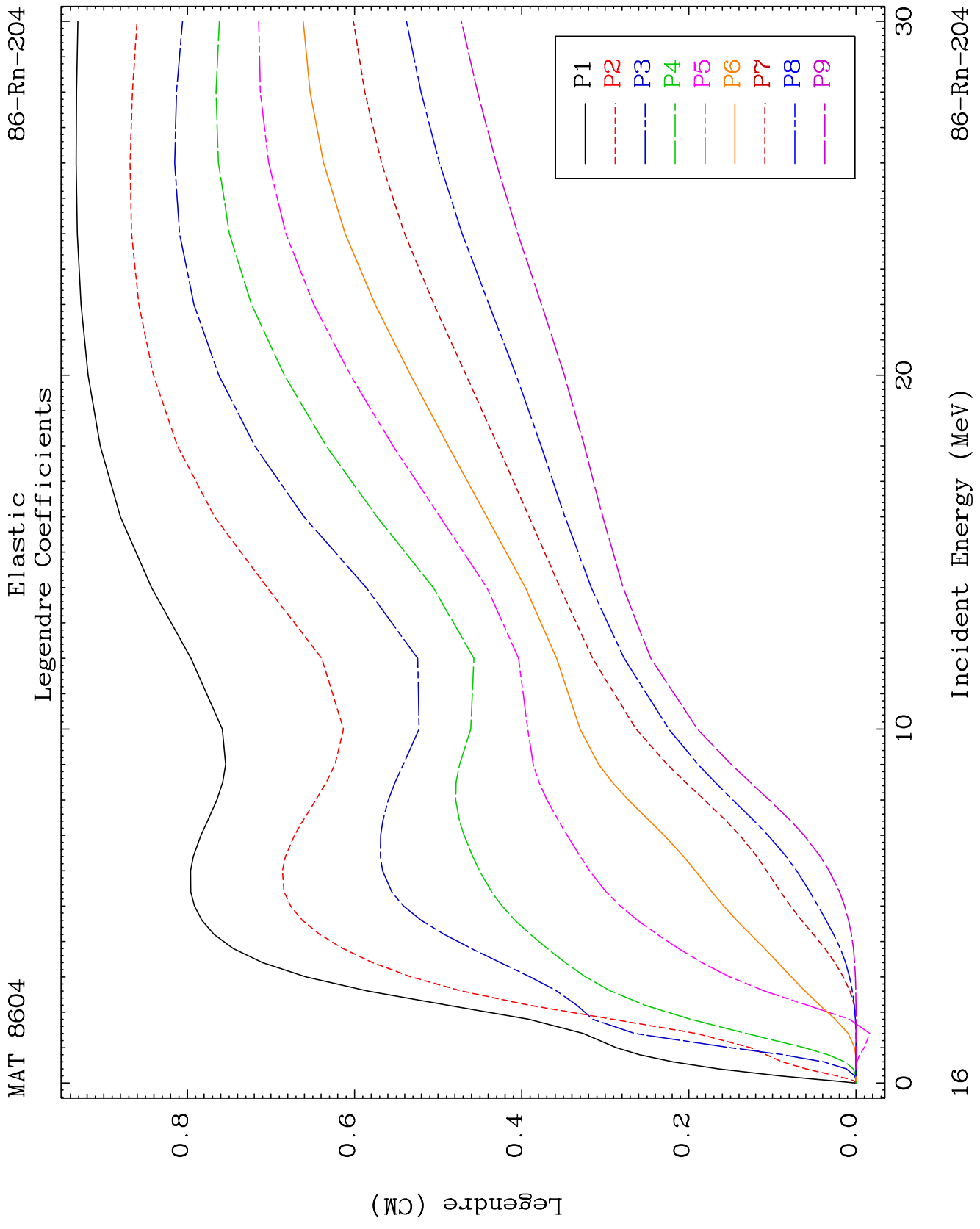


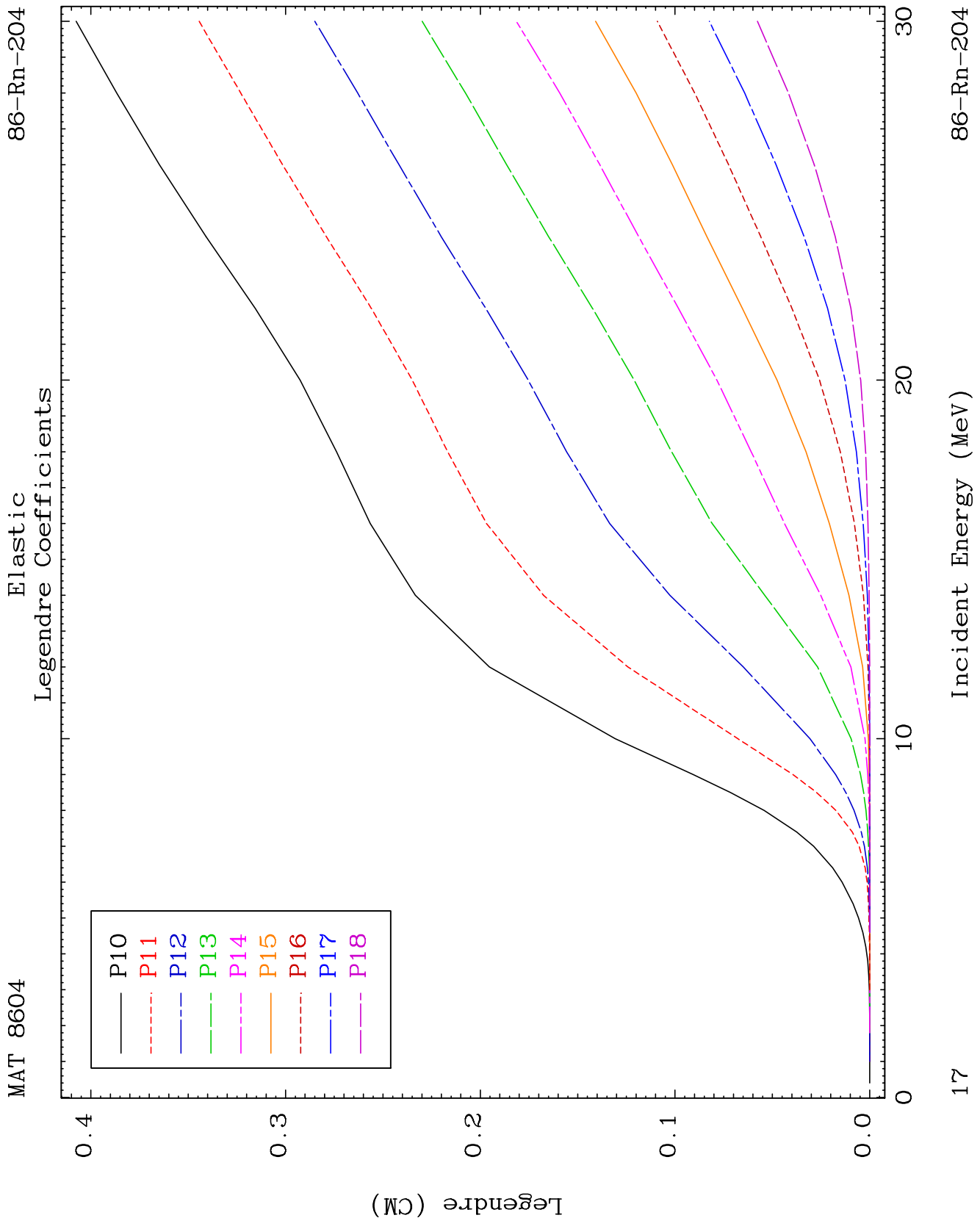
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Incident Energy (MeV)

86-Rn-204



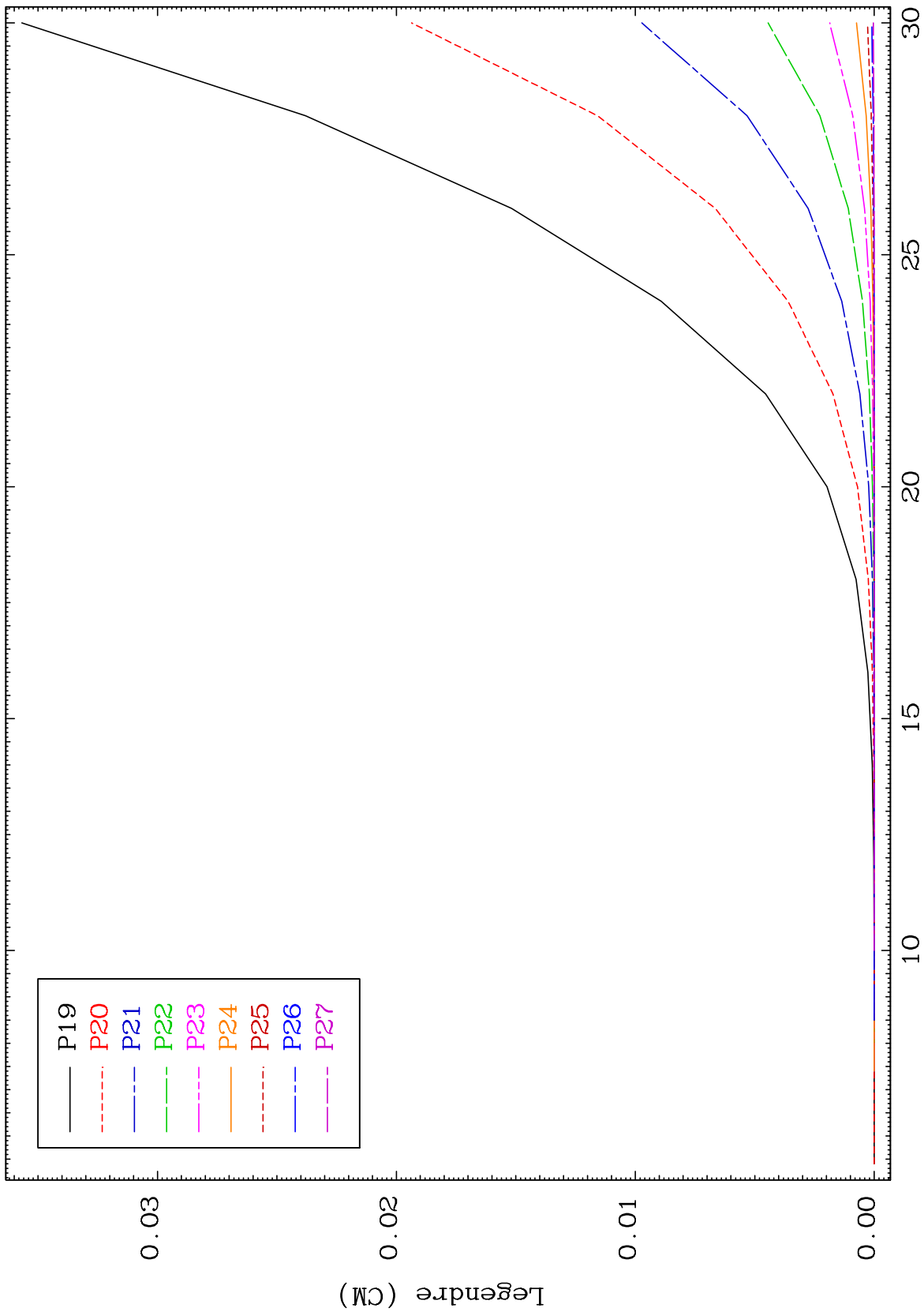




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Elastic
Legendre Coefficients

86-Rn-204



18

Incident Energy (MeV)

86-Rn-204

30

25

20

15

10

Legendre (CM)

0.03

0.02

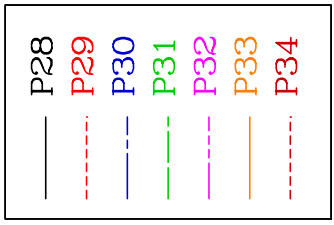
0.01

0.00

MAT 8604

Elastic Legendre Coefficients

86-Rn-204



$\times 10^{-5}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

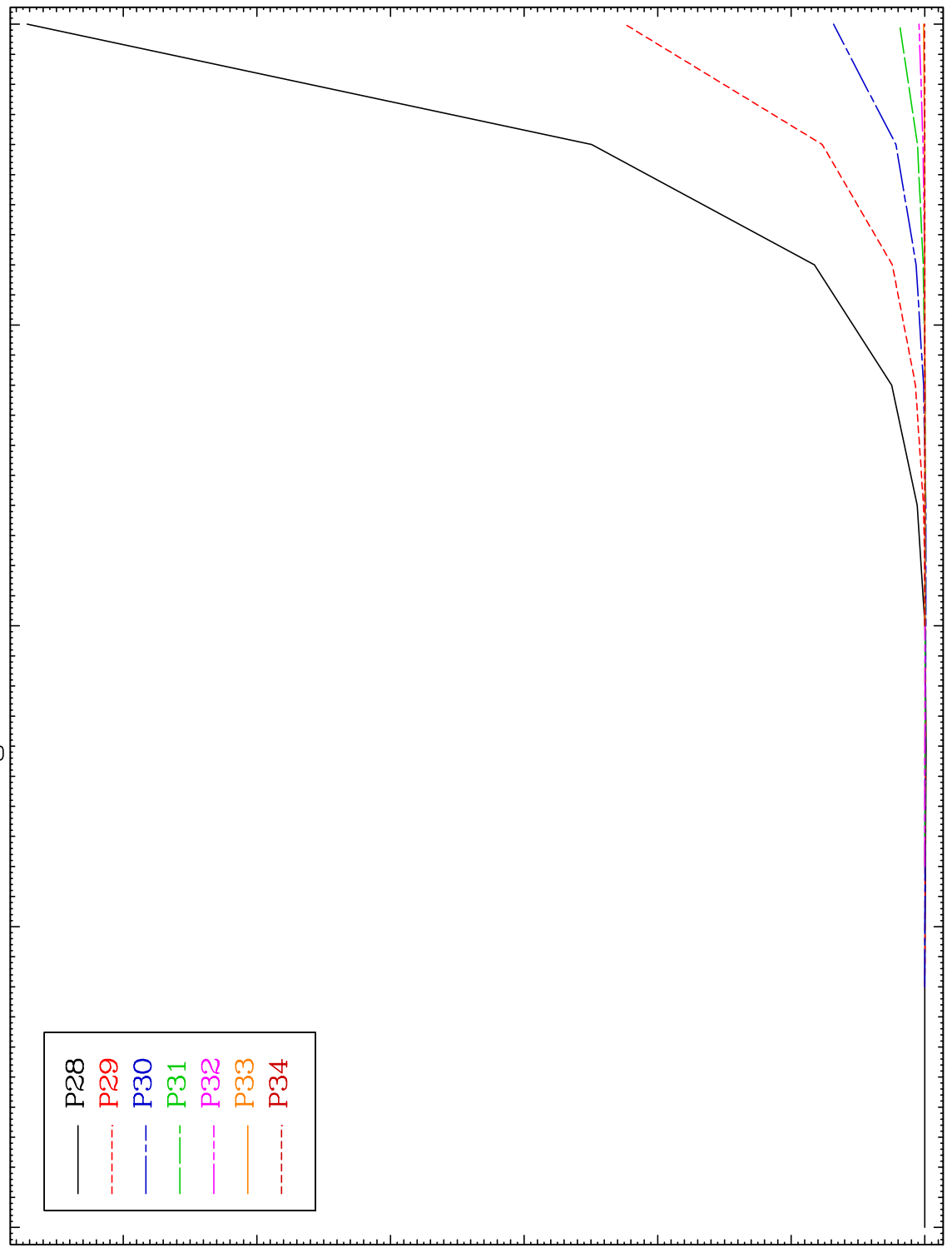
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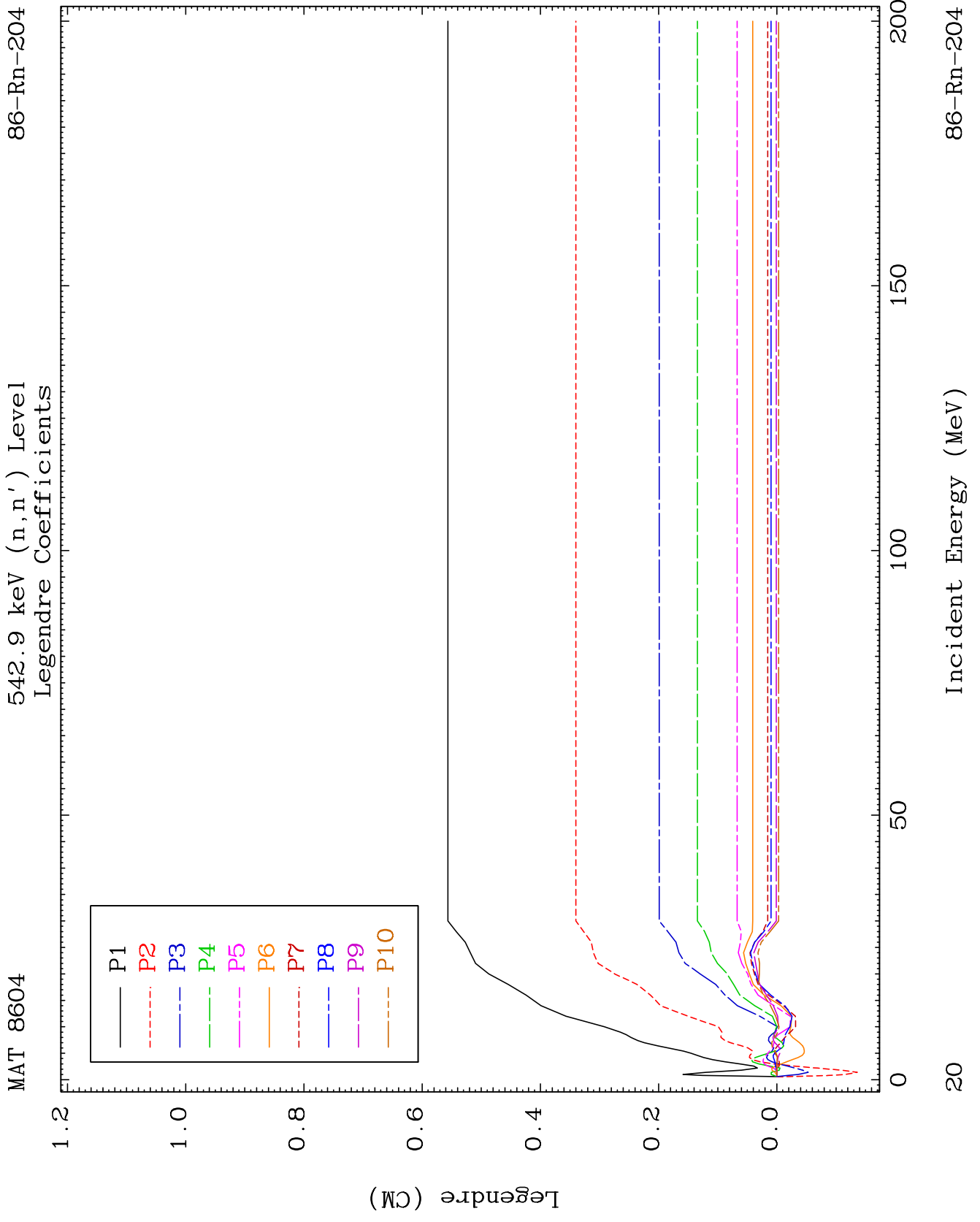
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19

Incident Energy (MeV)

86-Rn-204

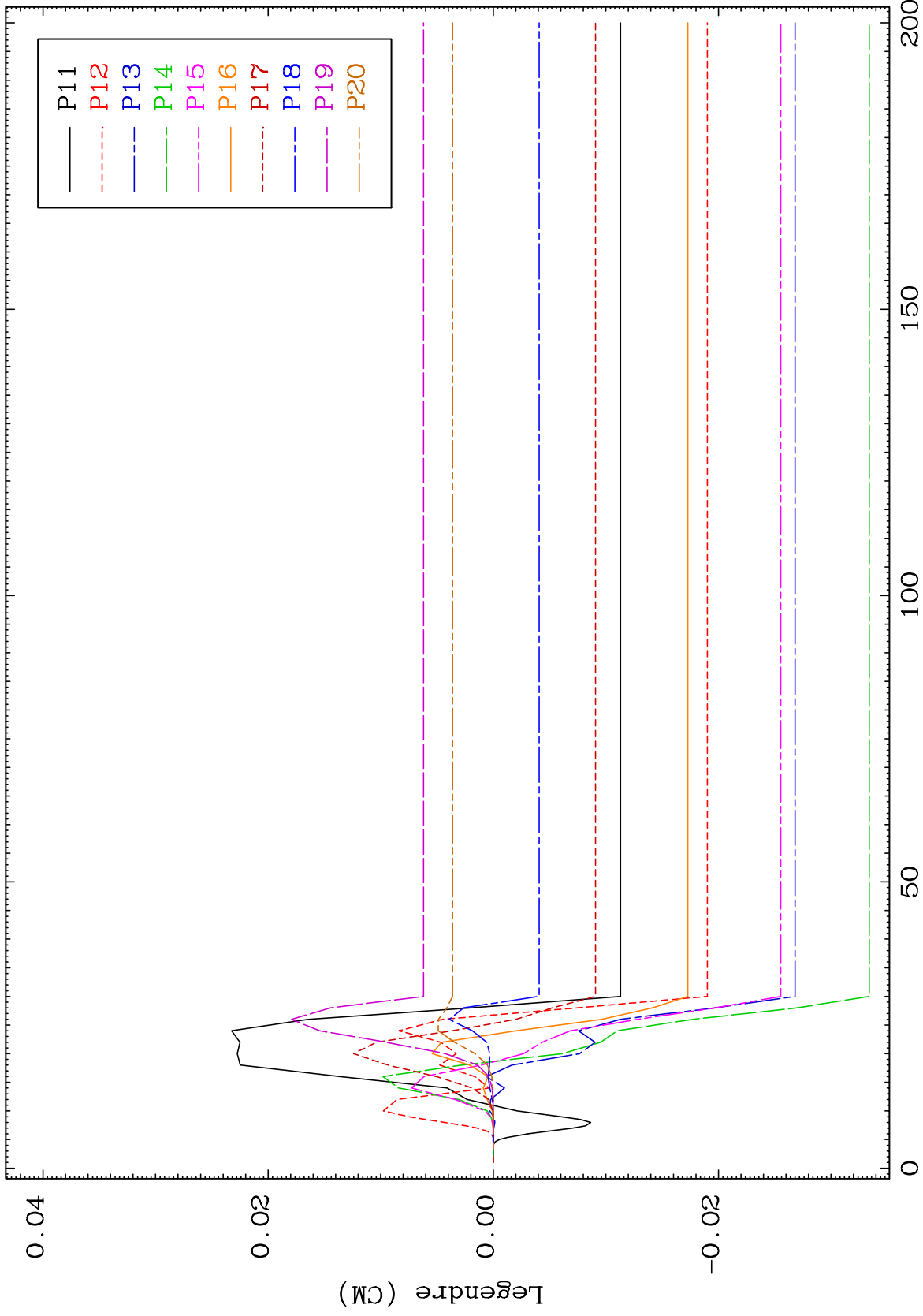


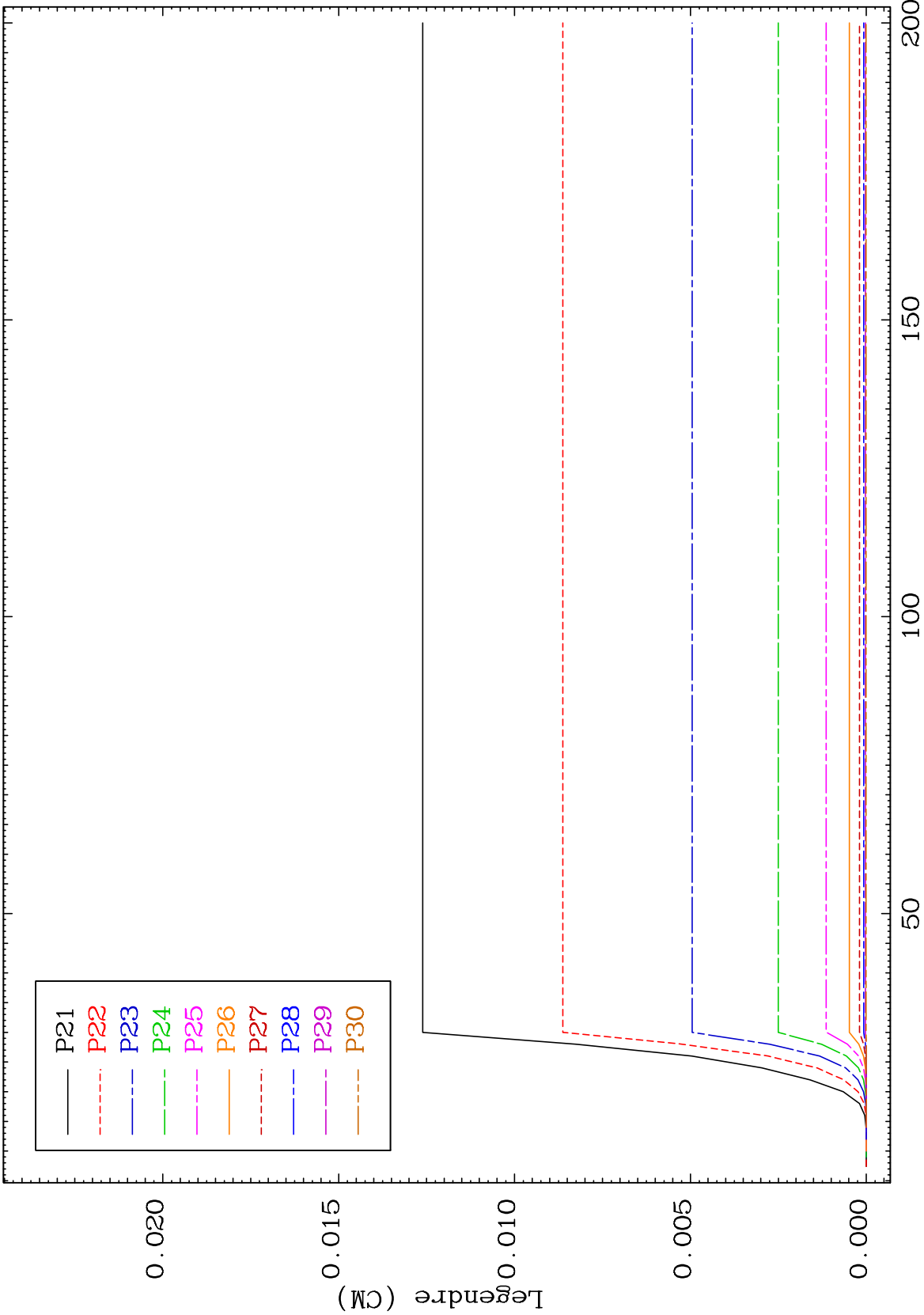


MAT 8604

542.9 keV (n,n') Level
Legendre Coefficients

86-Rn-204

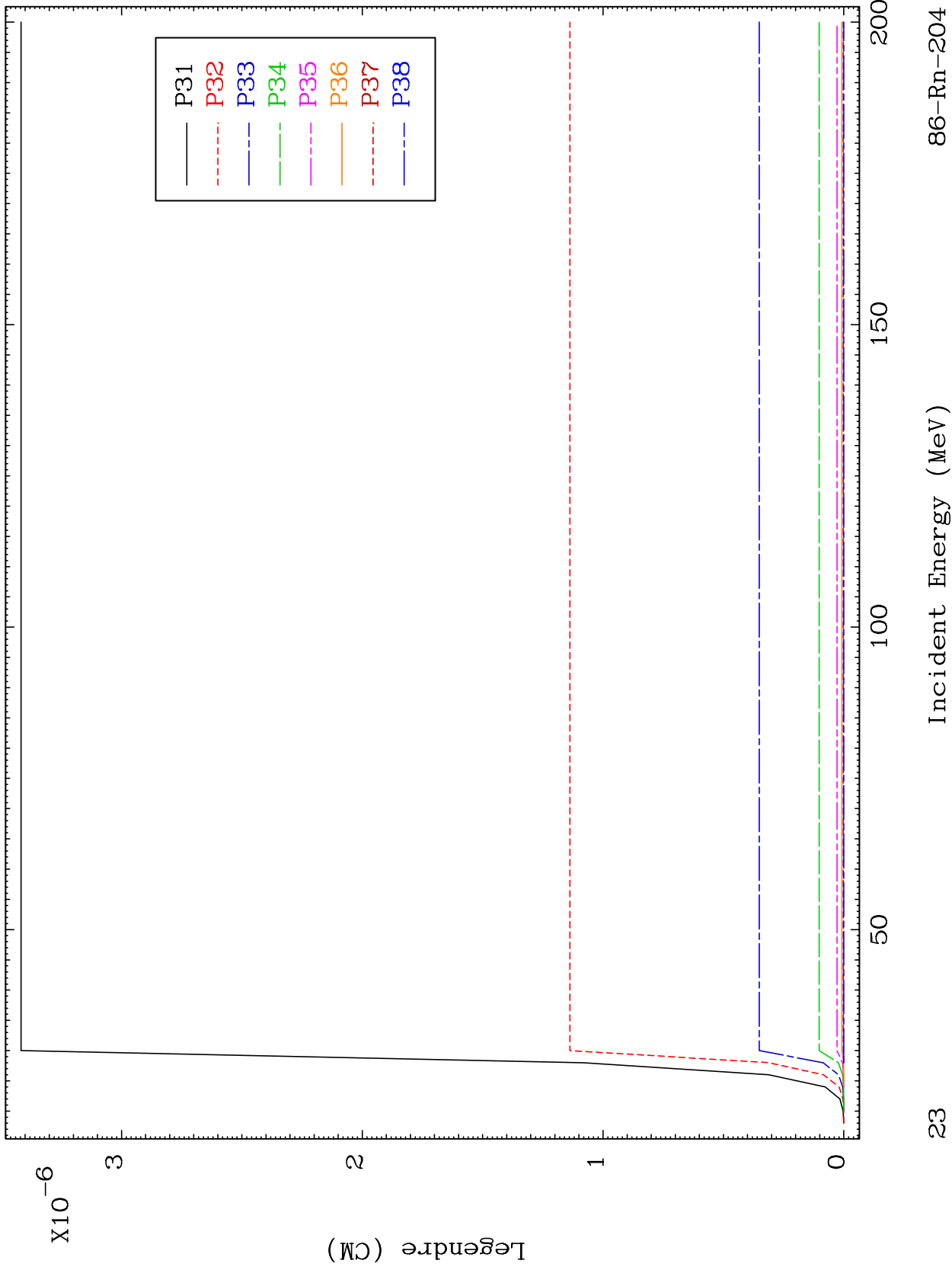




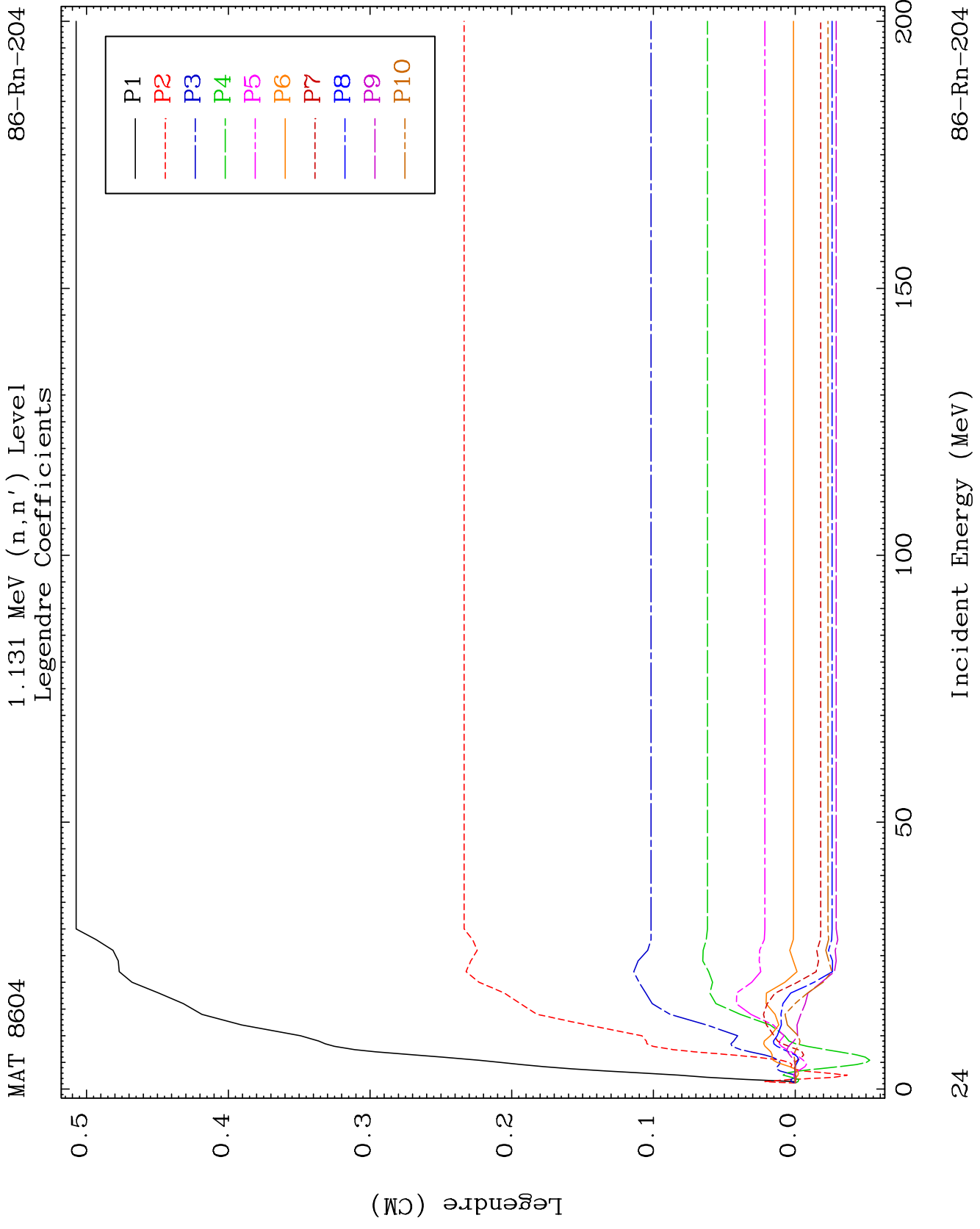
MAT 8604

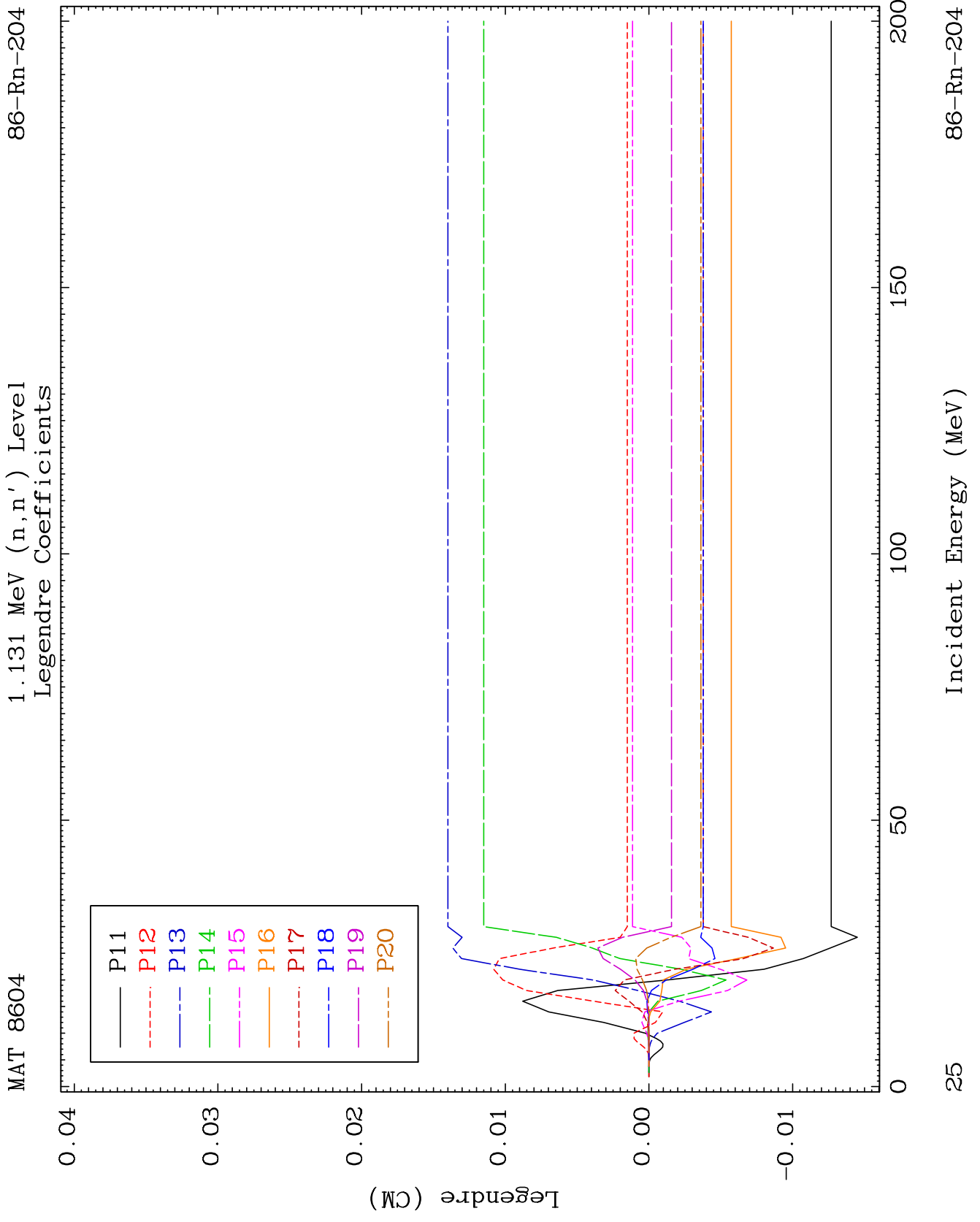
542.9 keV (n,n') Level
Legendre Coefficients

86-Rn-204



23

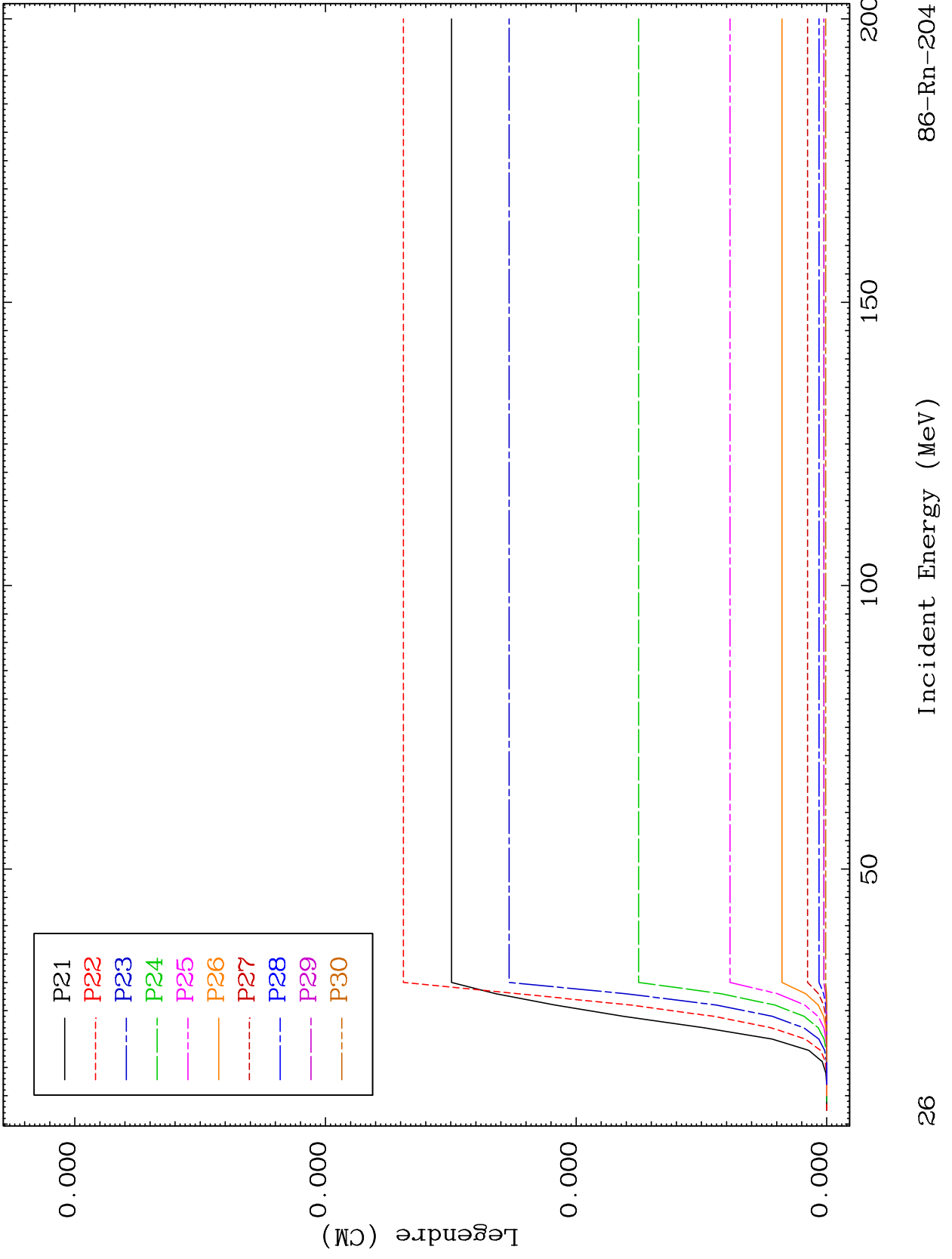




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1.131 MeV (n,n') Level
Legendre Coefficients

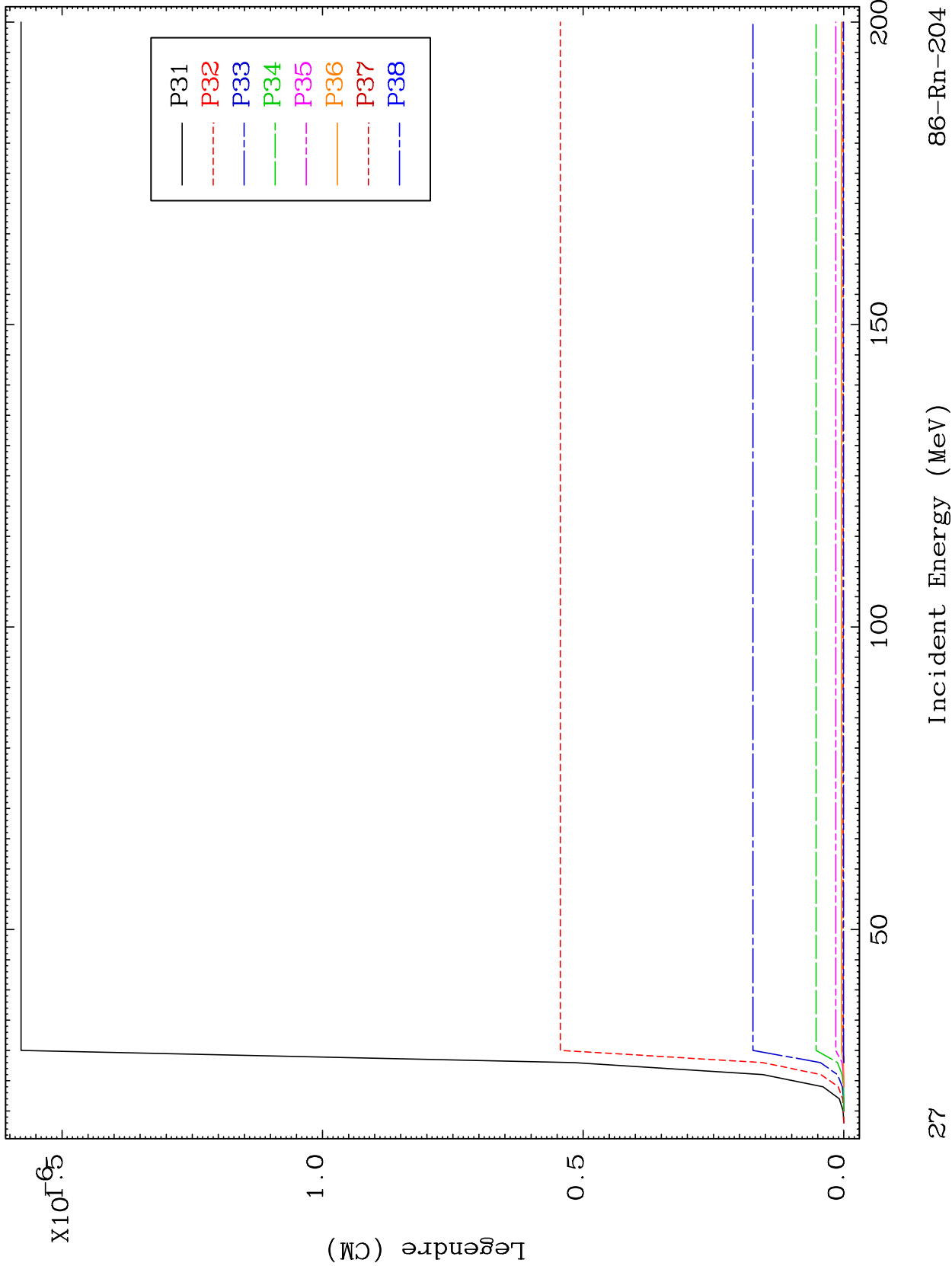
86-Rn-204



26

Incident Energy (MeV)

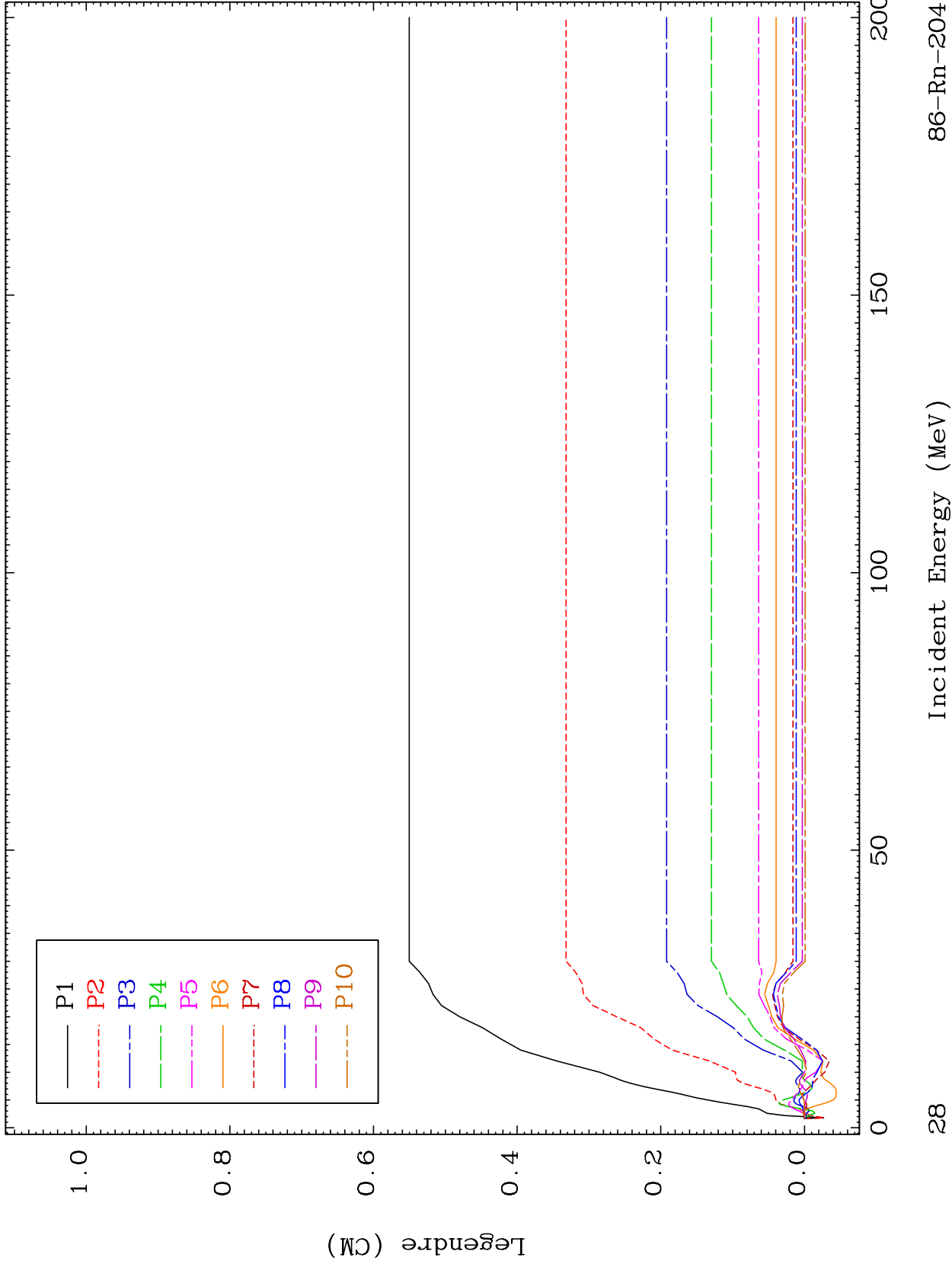
86-Rn-204



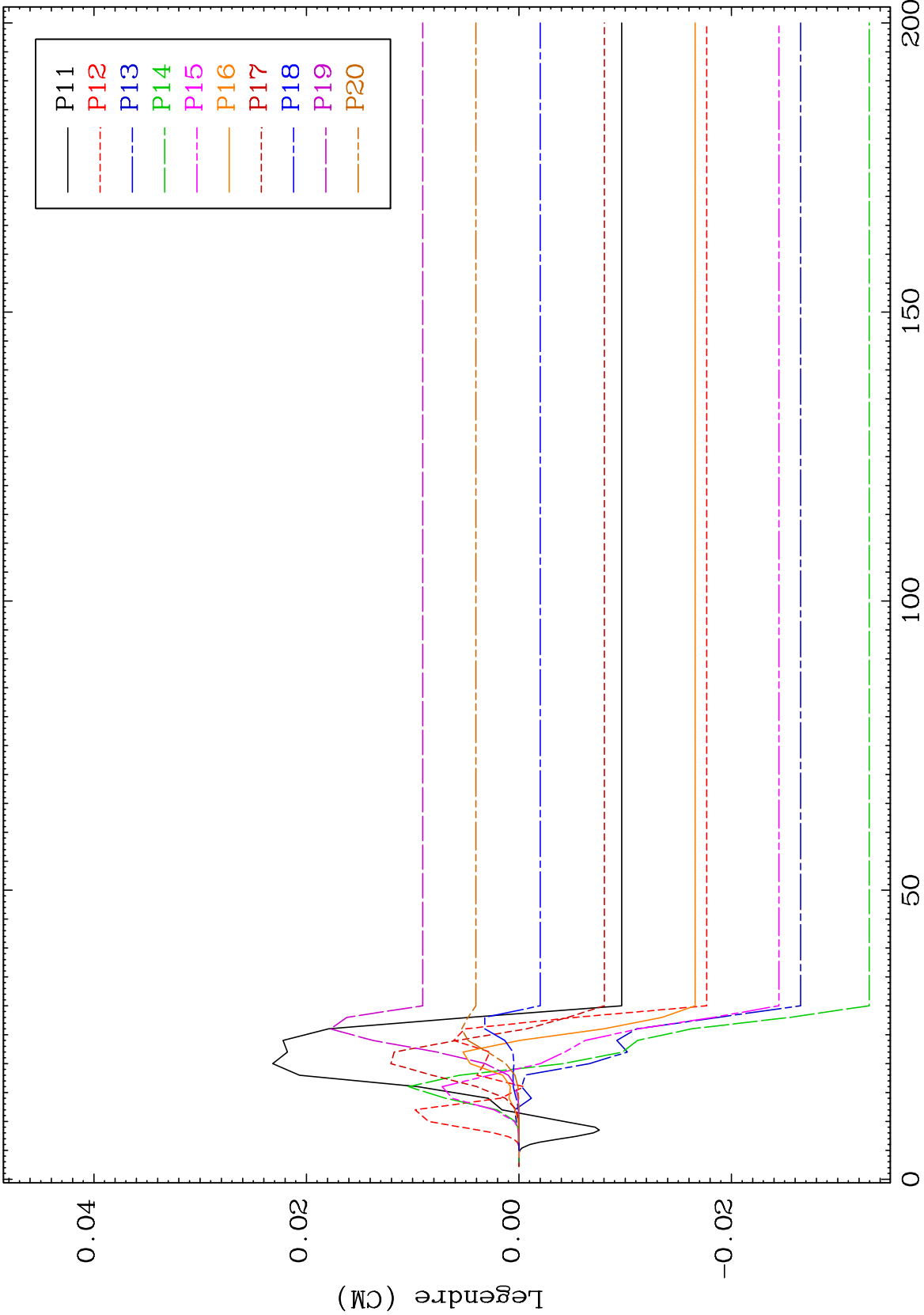
MAT 8604

1.628 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



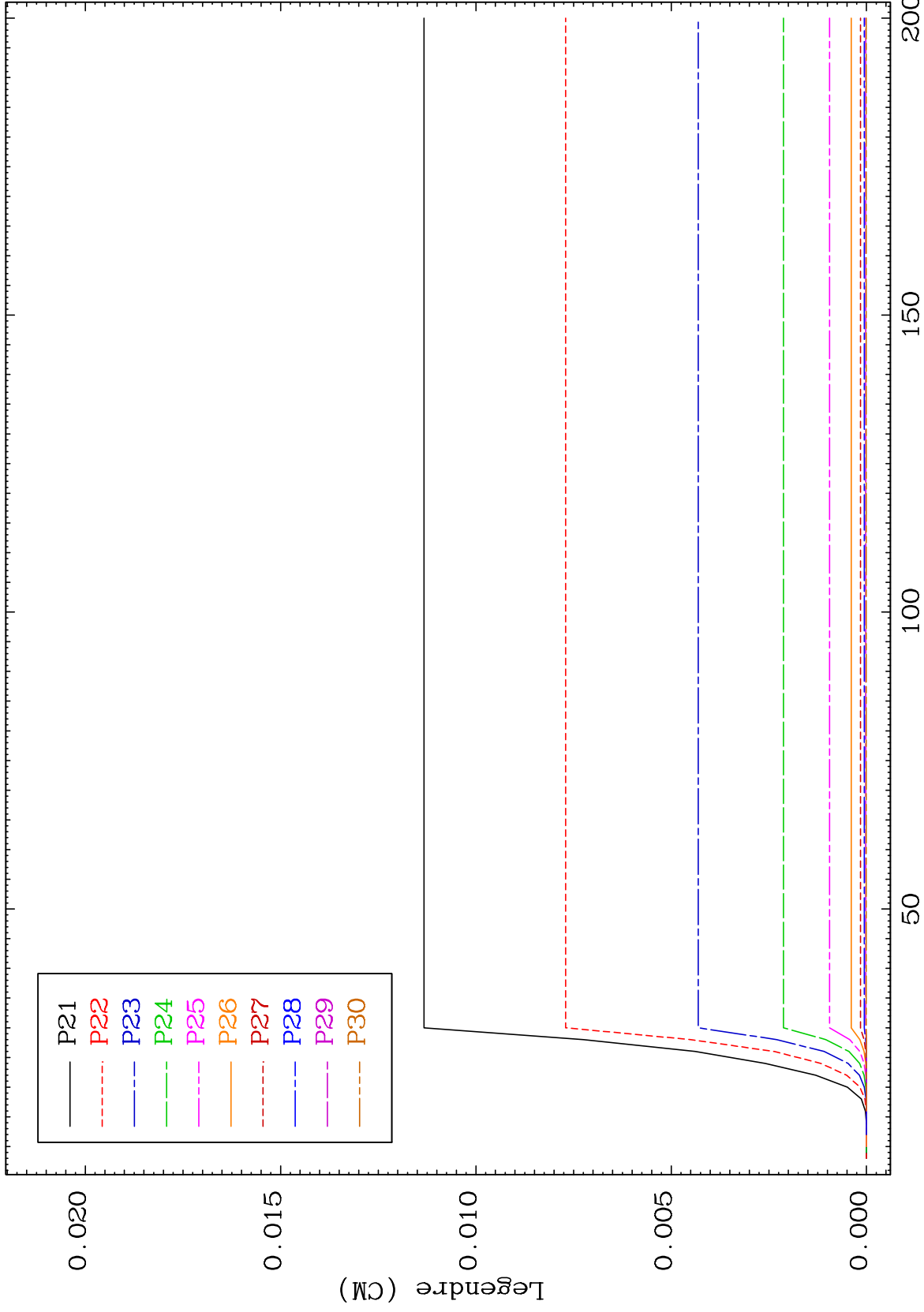
28



MAT 8604

1.628 MeV (n,n') Level Legendre Coefficients

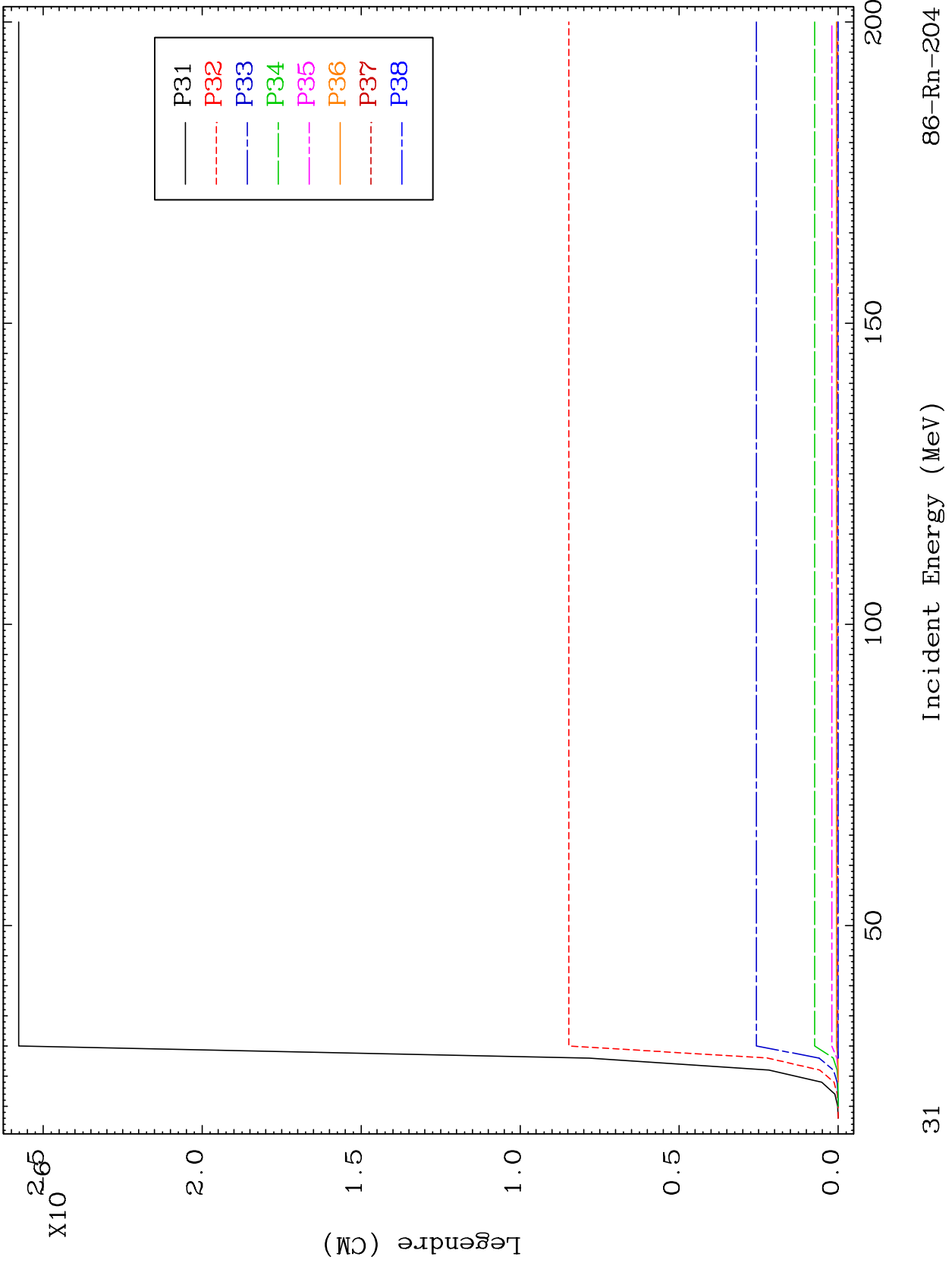
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30

Incident Energy (MeV)

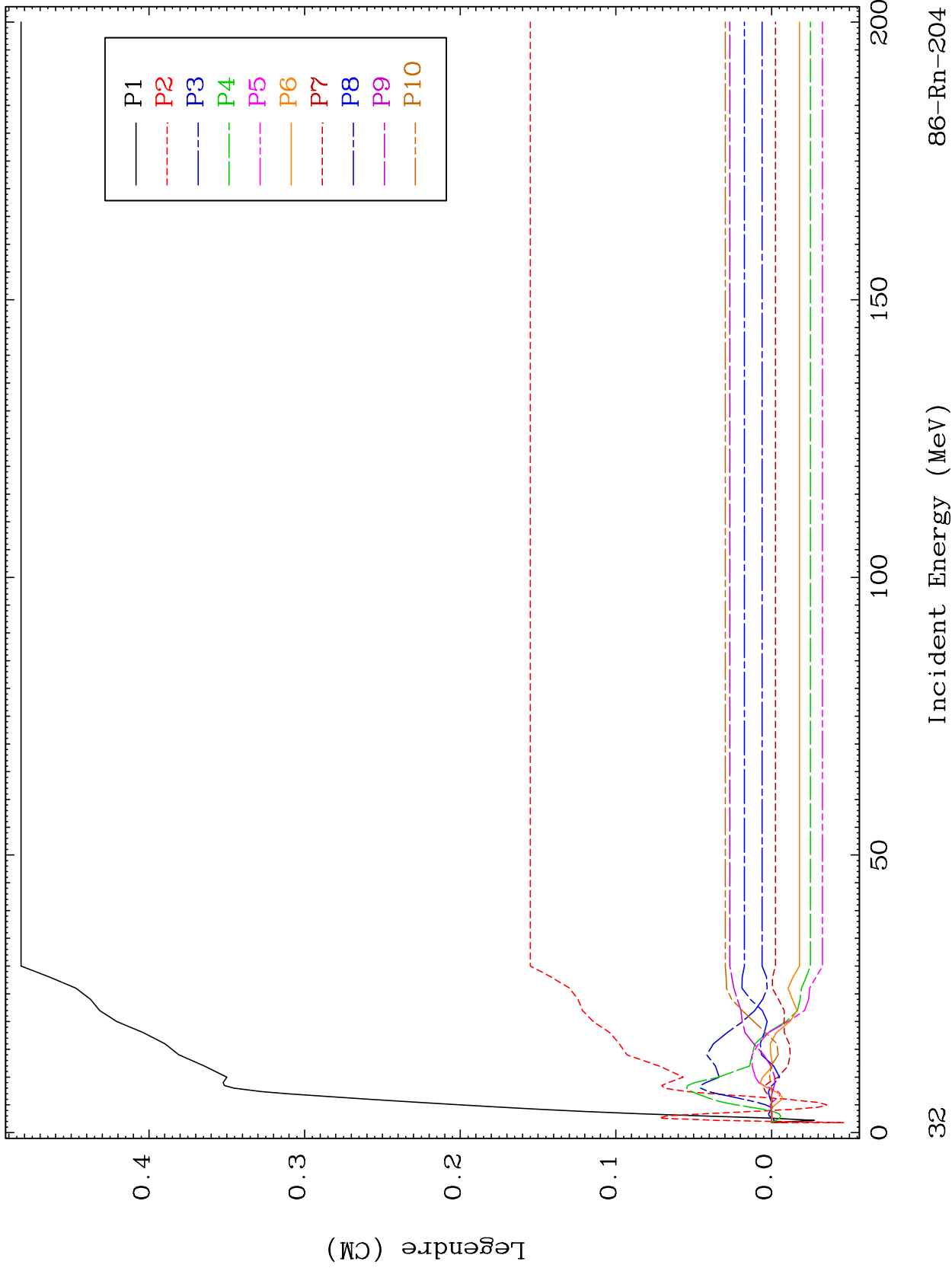
86-Rn-204



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1.773 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



32

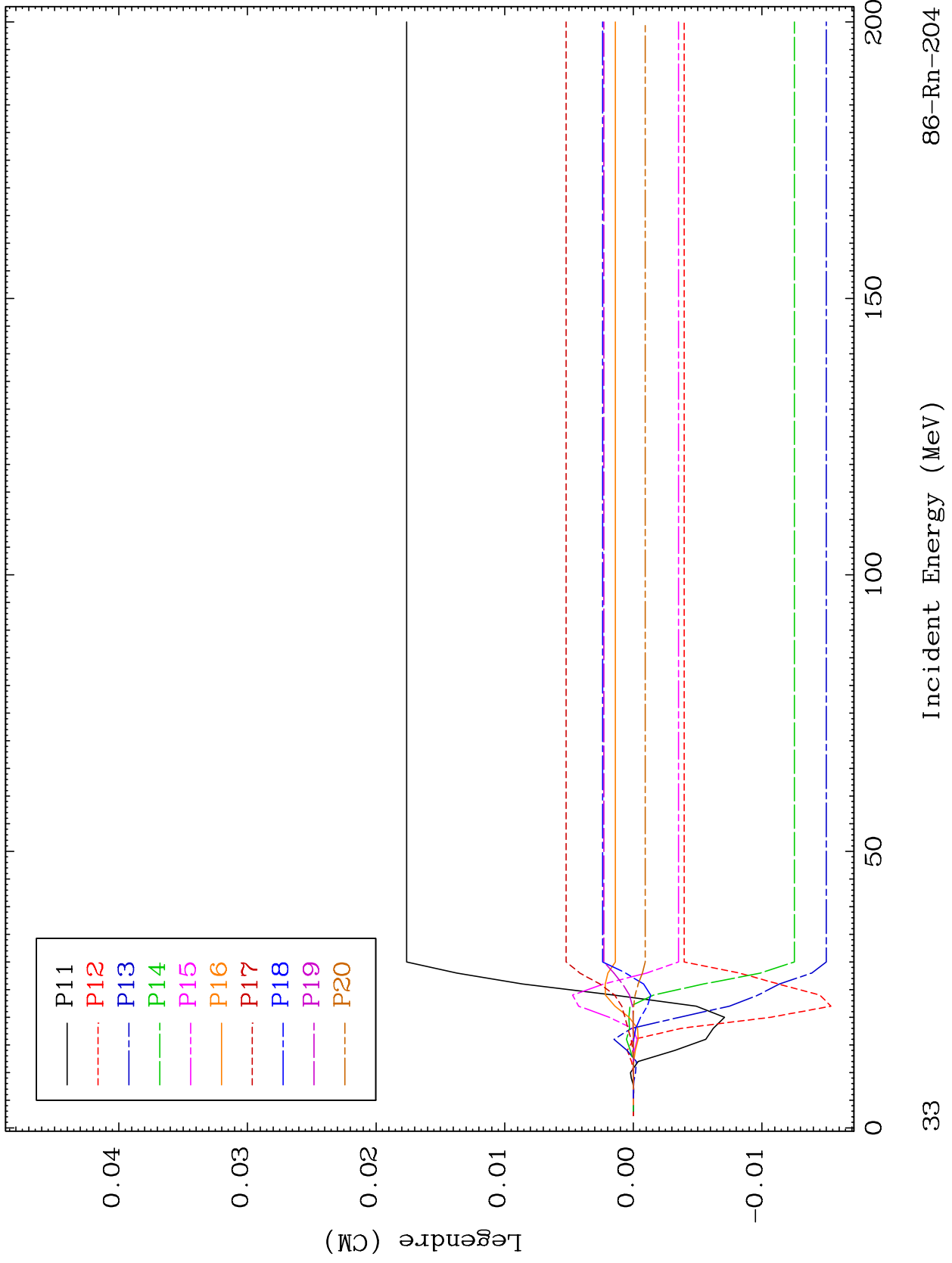
Incident Energy (MeV)

86-Rn-204

MAT 8604

1.773 MeV (n,n') Level
Legendre Coefficients

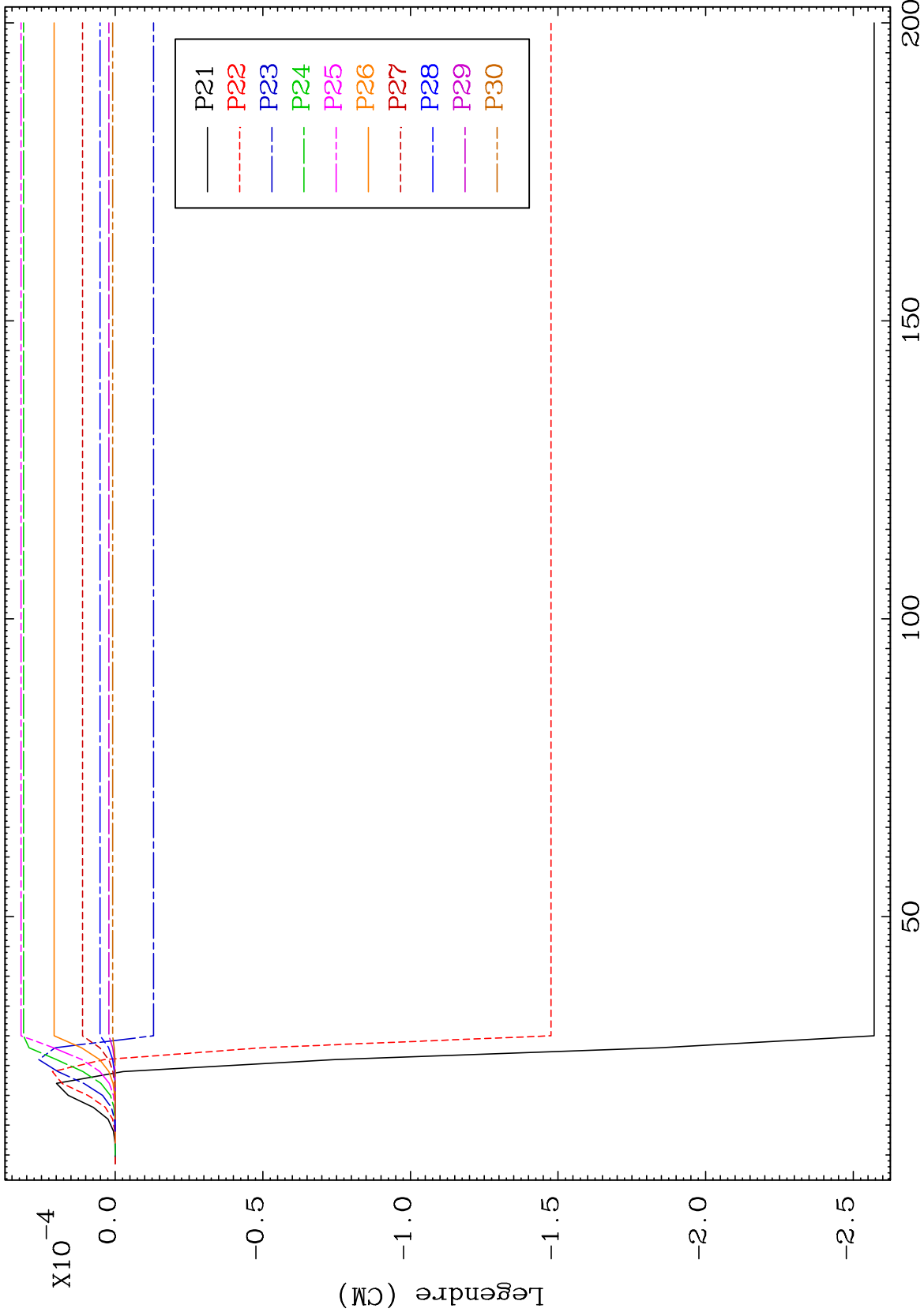
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33

Incident Energy (MeV)

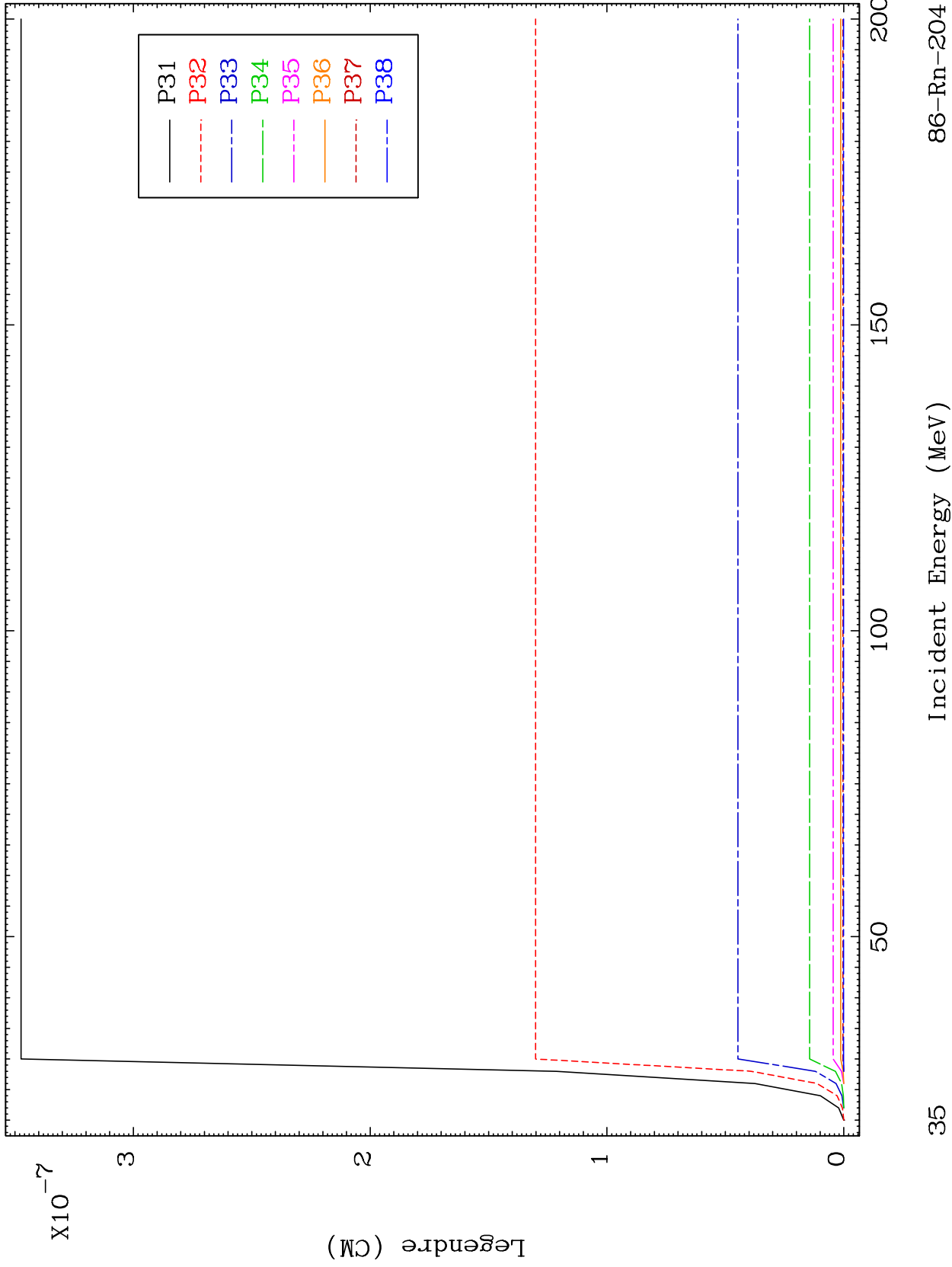
86-Rn-204



MAT 8604

1.773 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



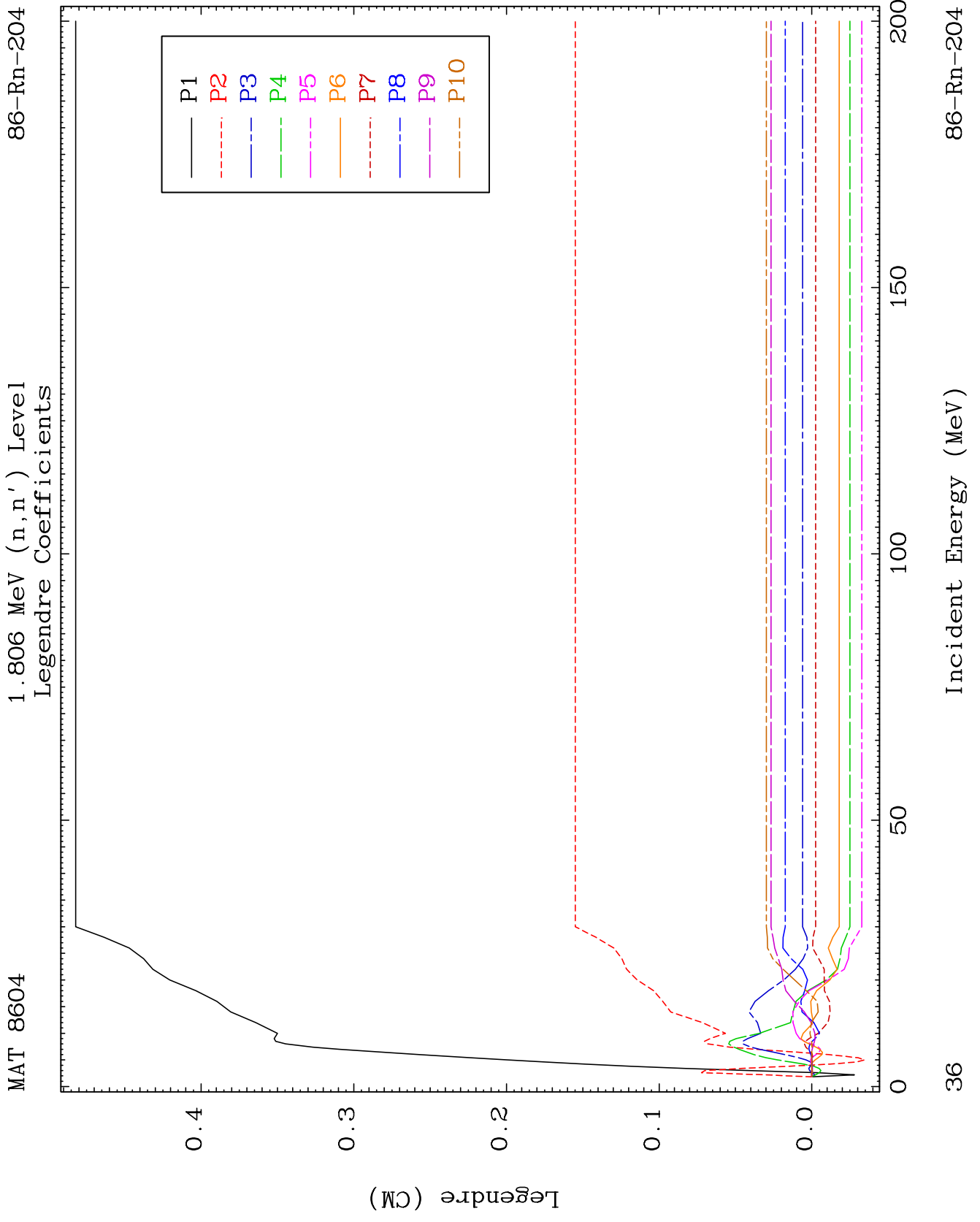
35

50

100

150

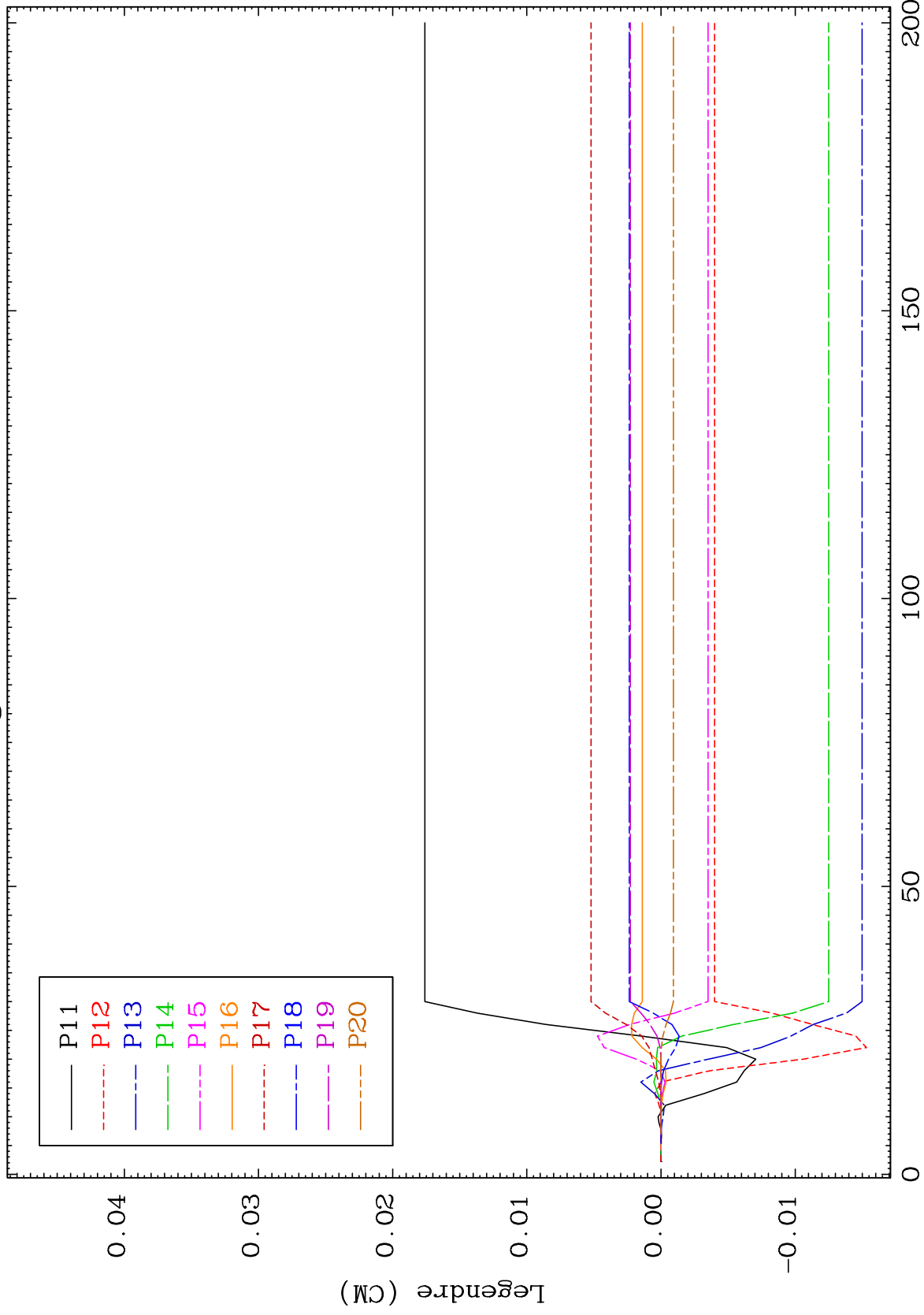
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MAT 8604

1.806 MeV (n,n') Level
Legendre Coefficients

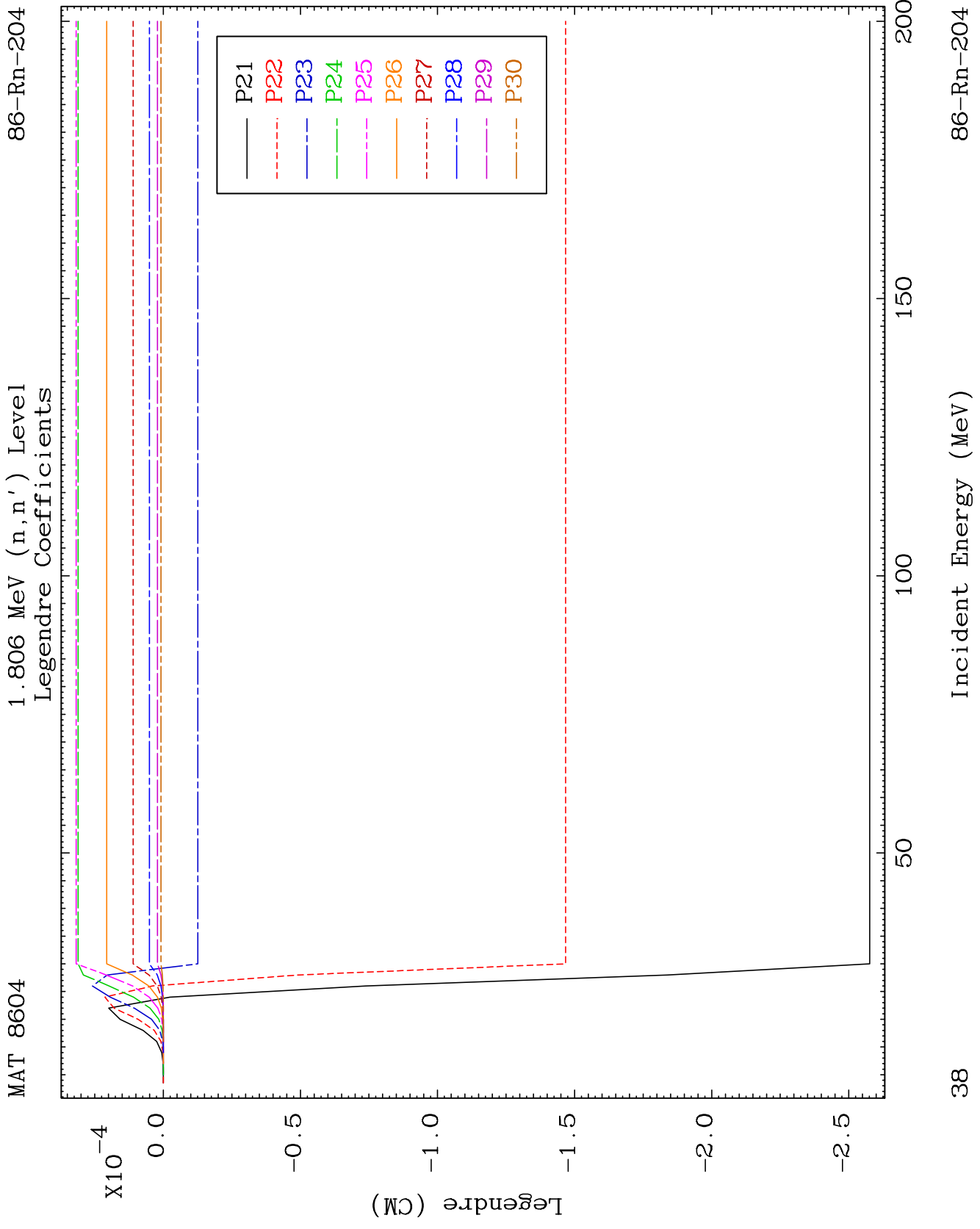
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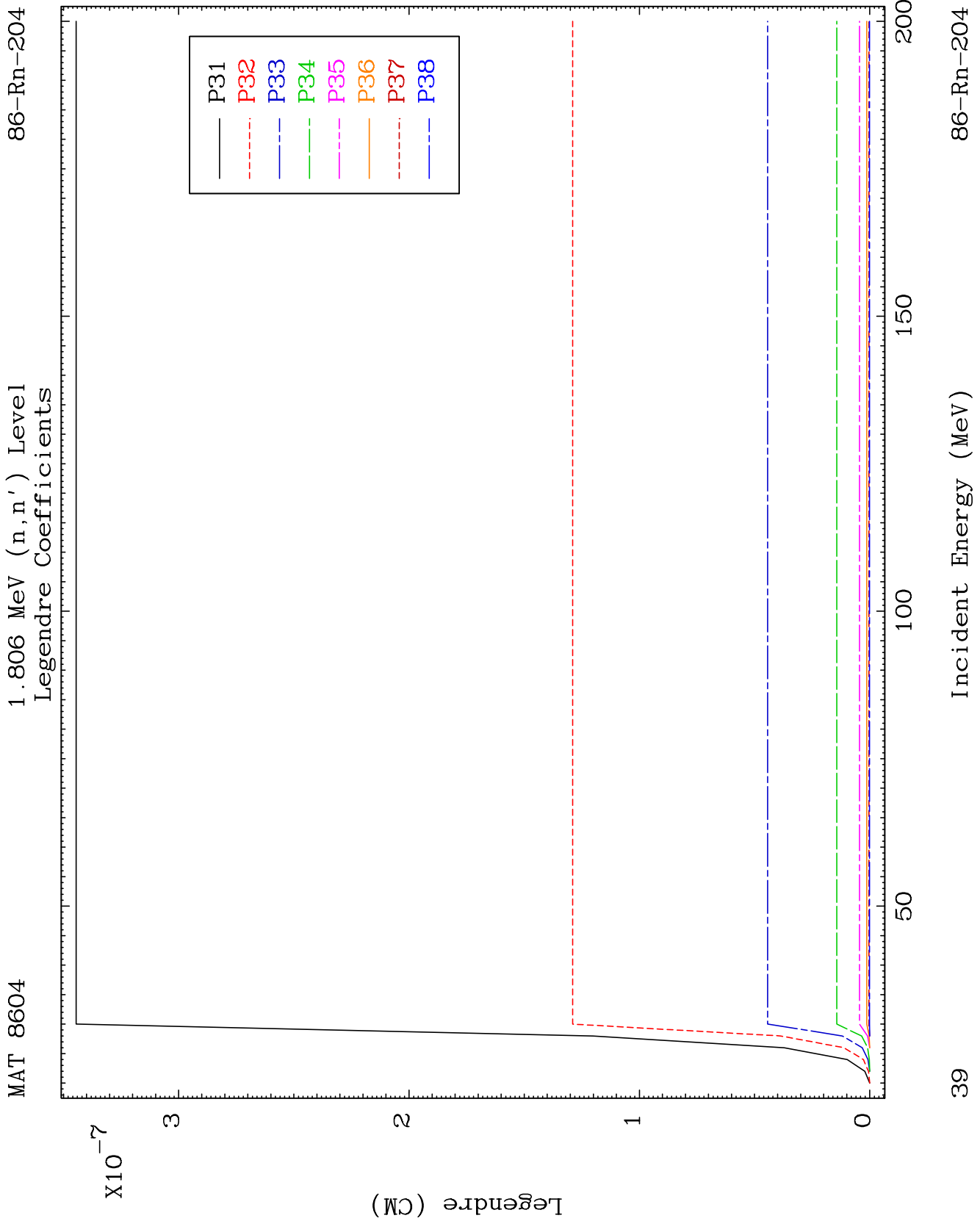


37

Incident Energy (MeV)

86-Rn-204

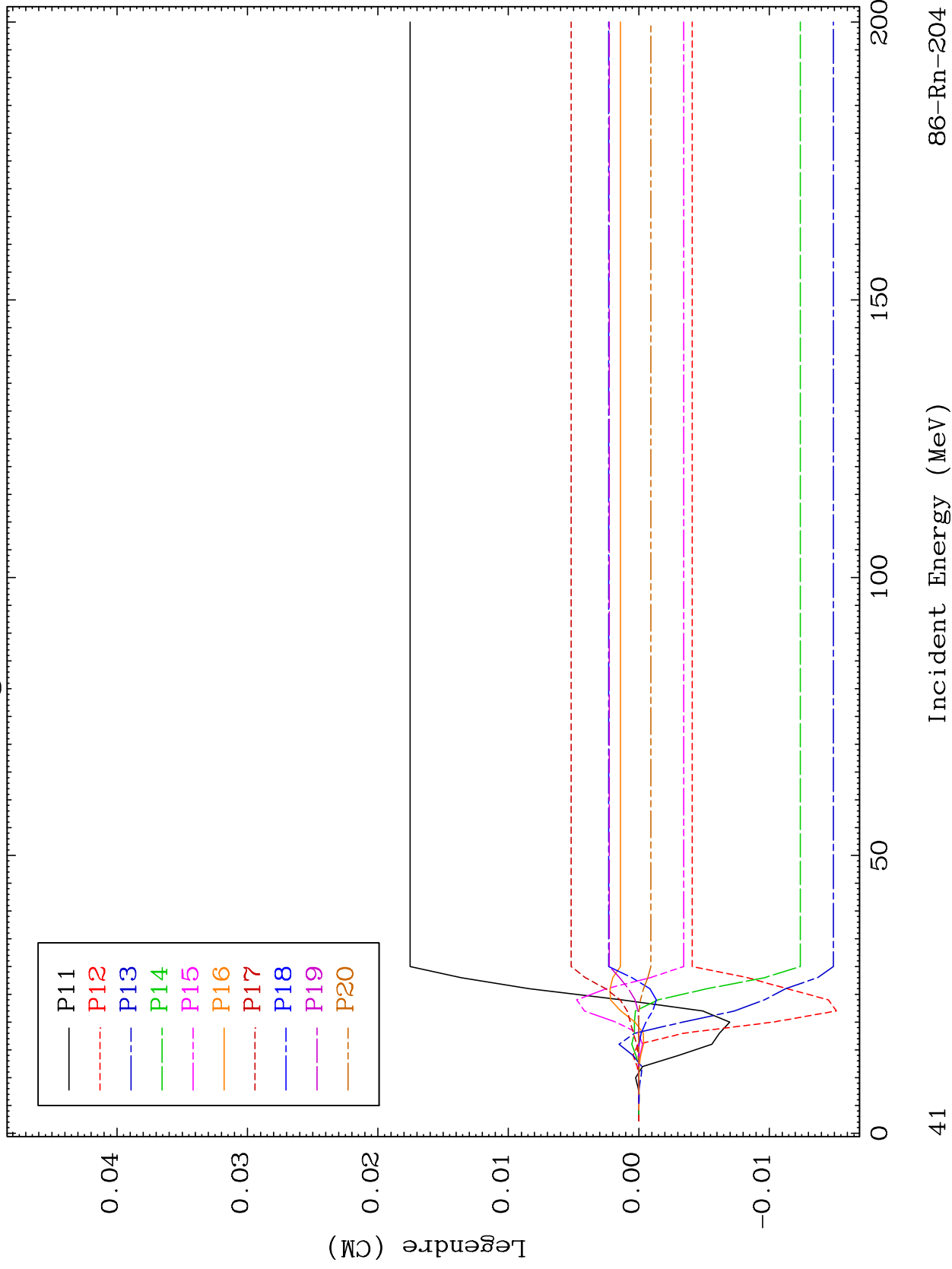




MAT 8604

1.912 MeV (n,n') Level
Legendre Coefficients

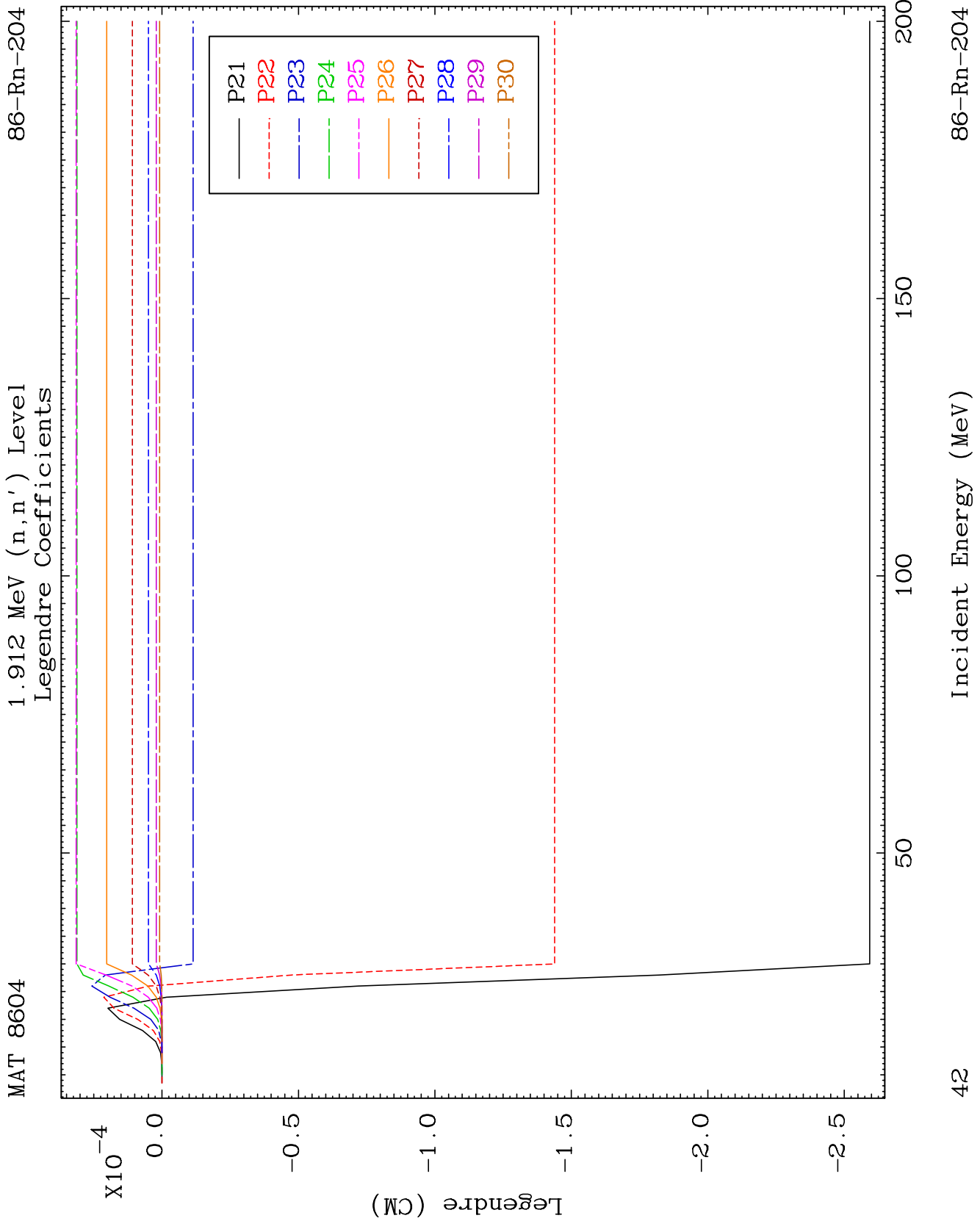
86-Rn-204



41

Incident Energy (MeV)

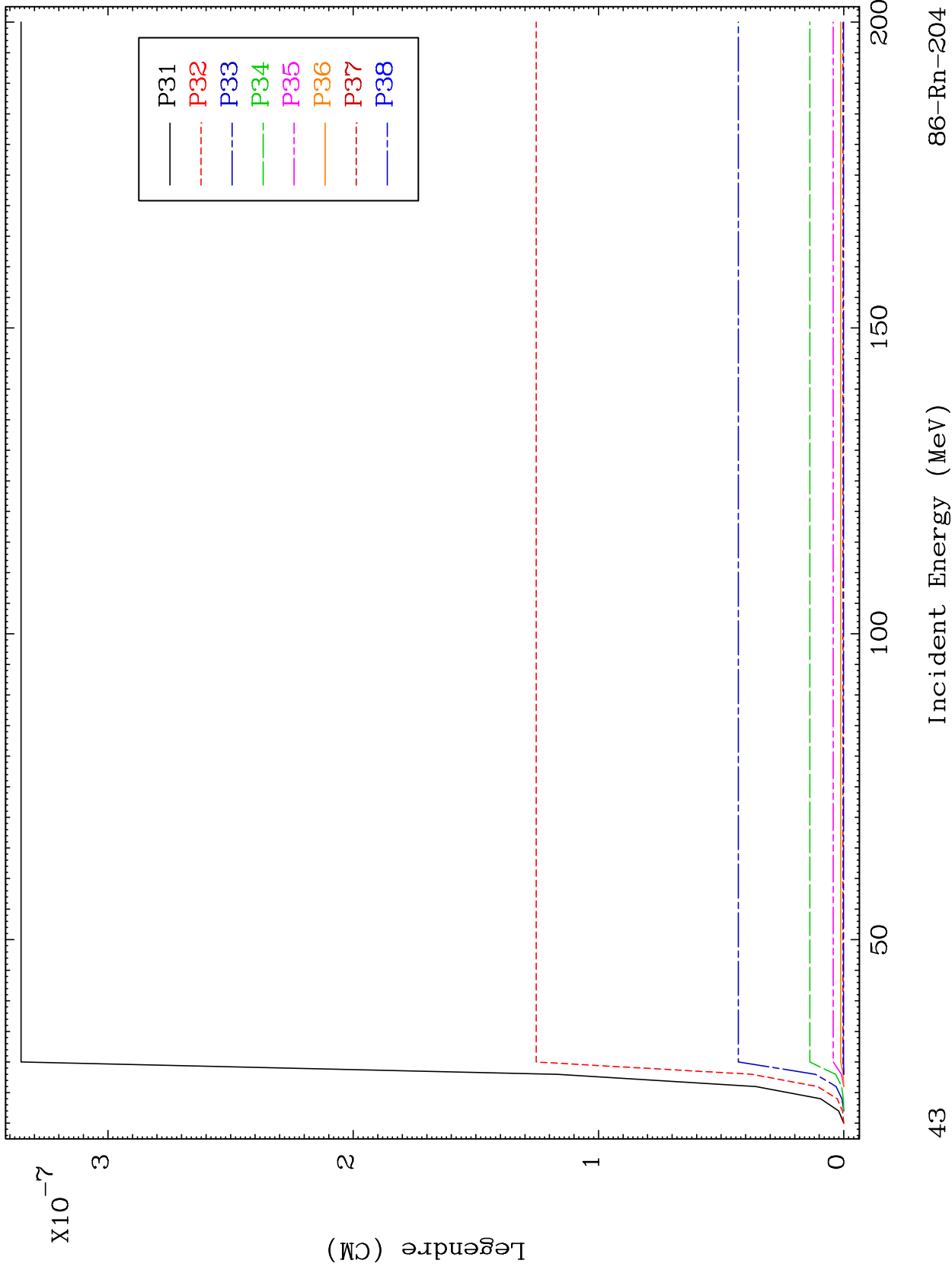
86-Rn-204



MAT 8604

1.912 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



43

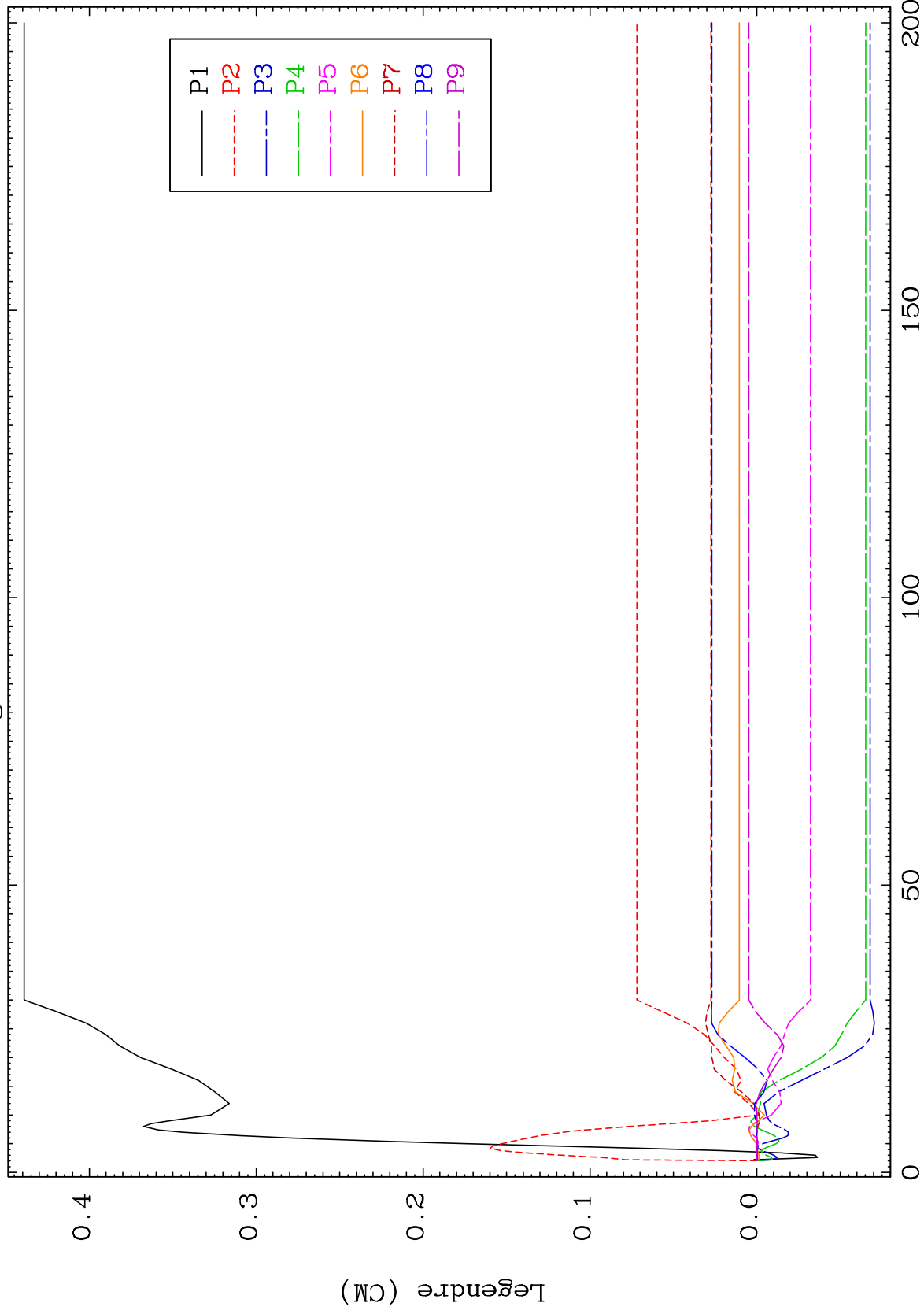
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.033 MeV (n, n') Level
Legendre Coefficients

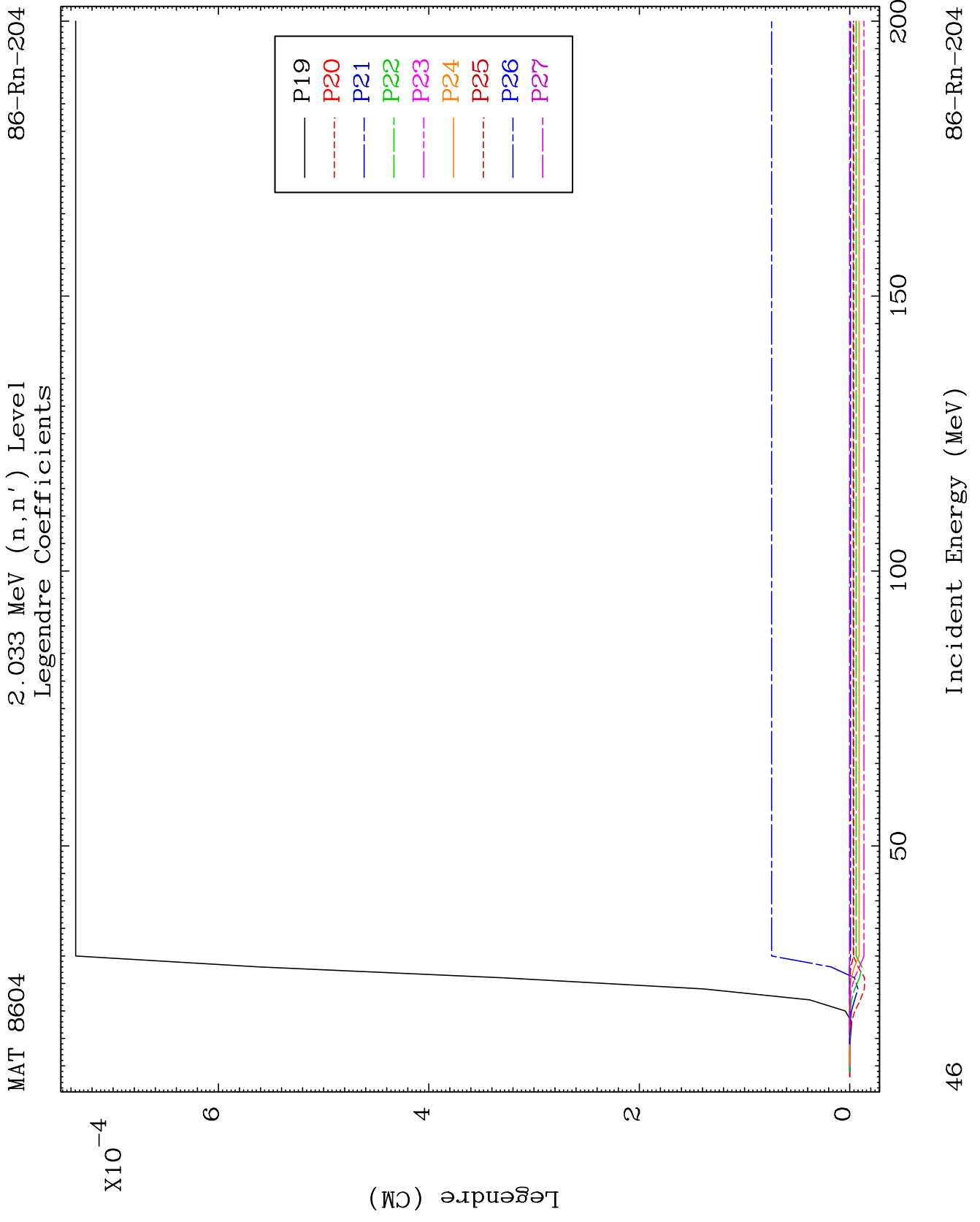
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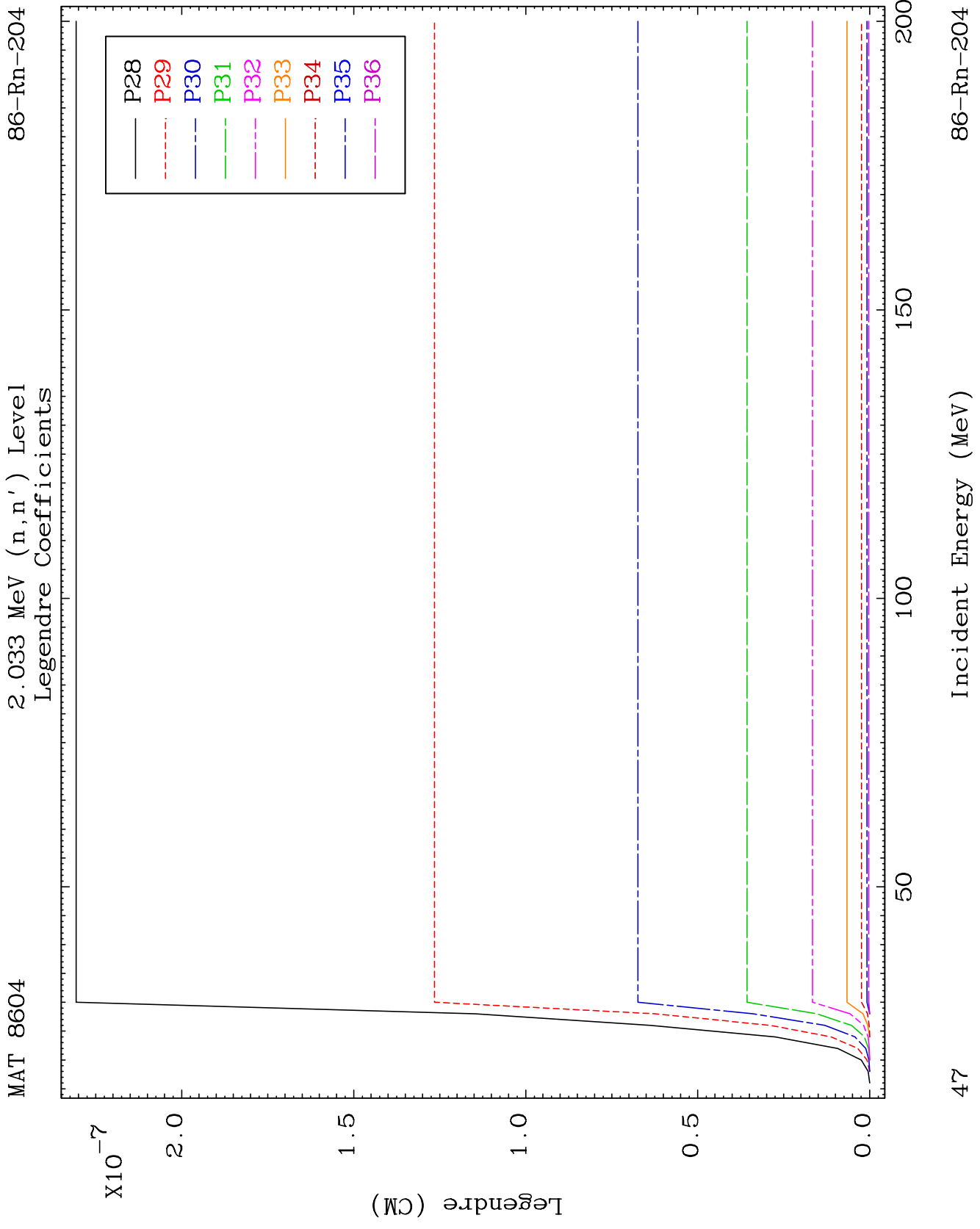


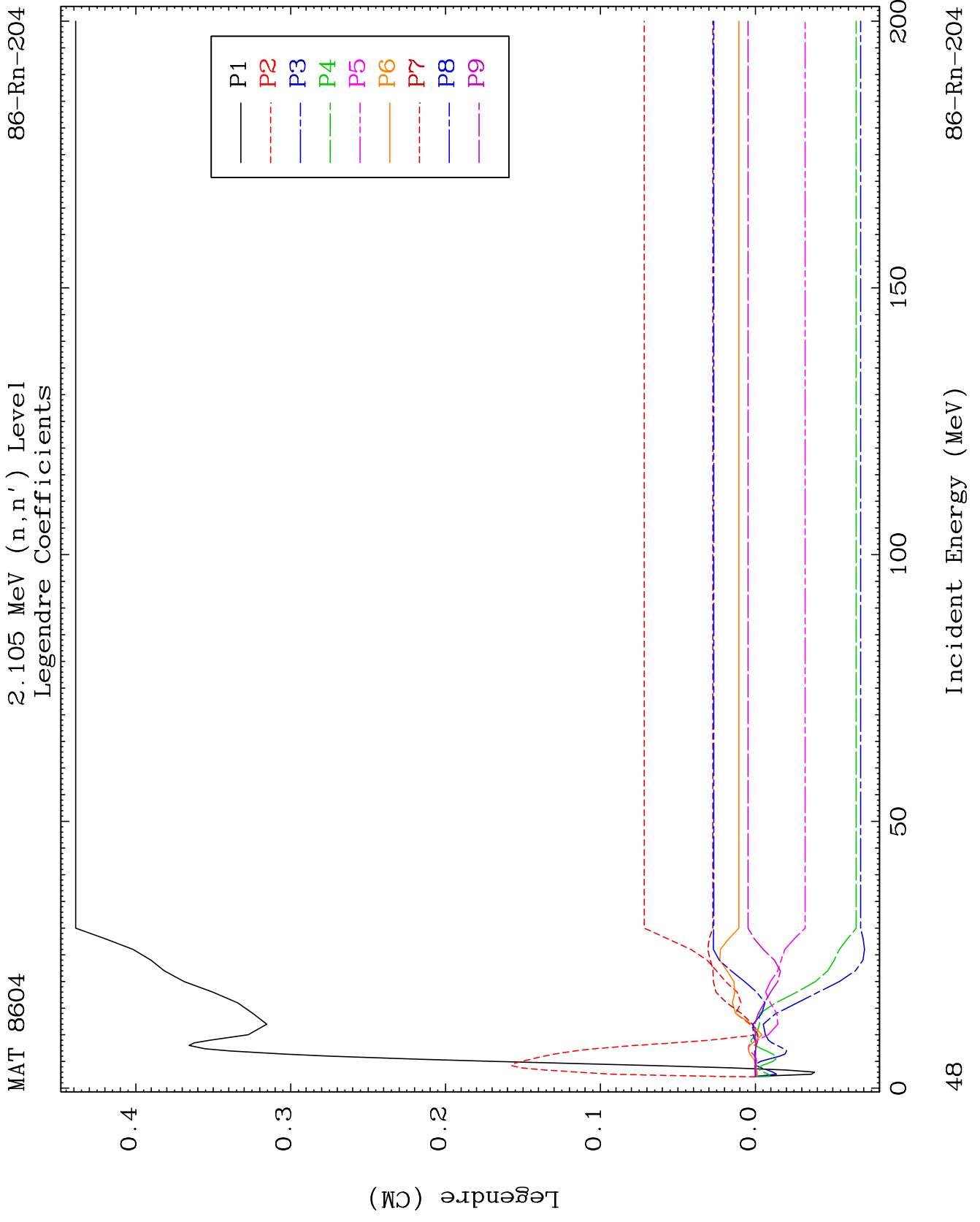
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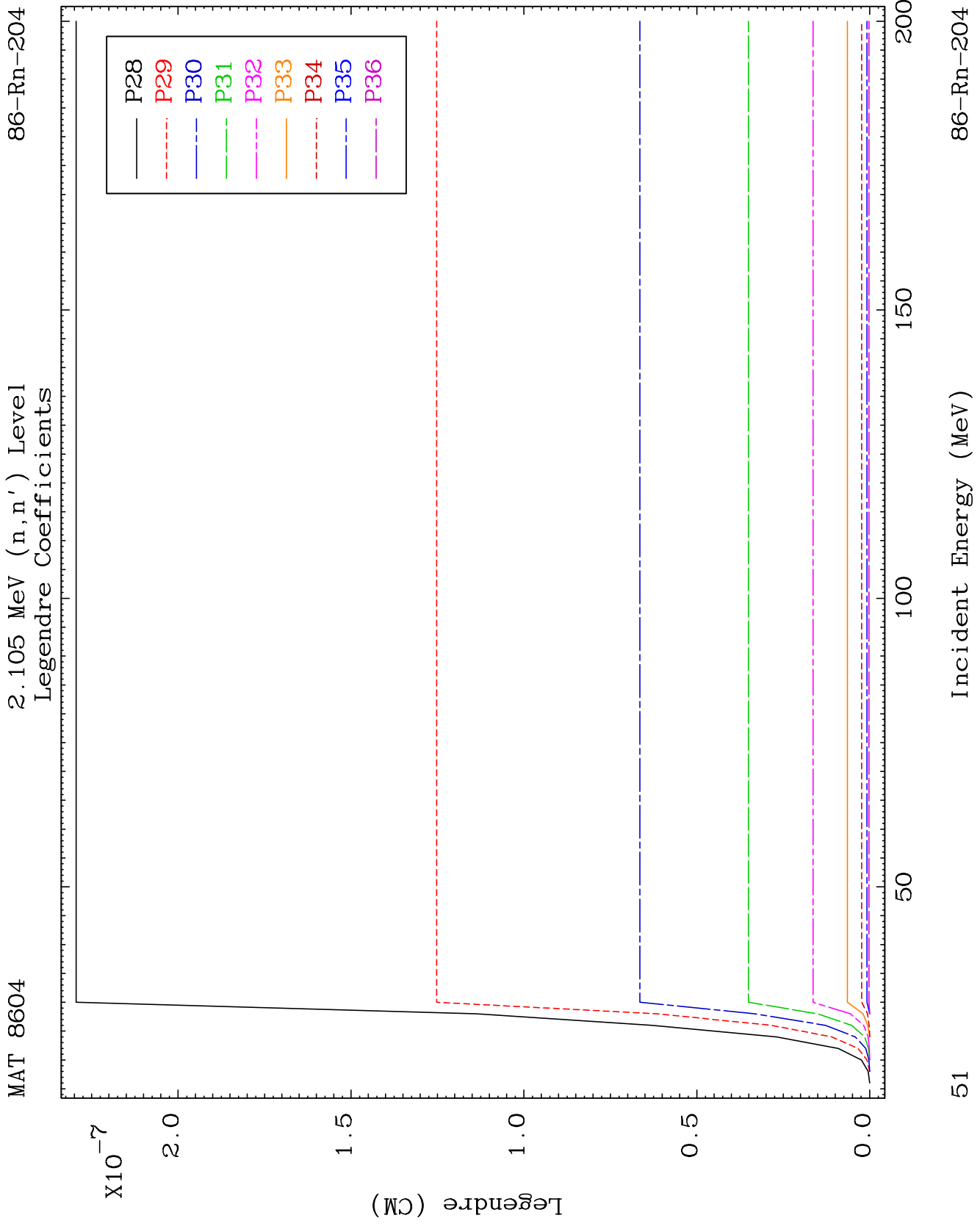
Incident Energy (MeV)

86-Rn-204





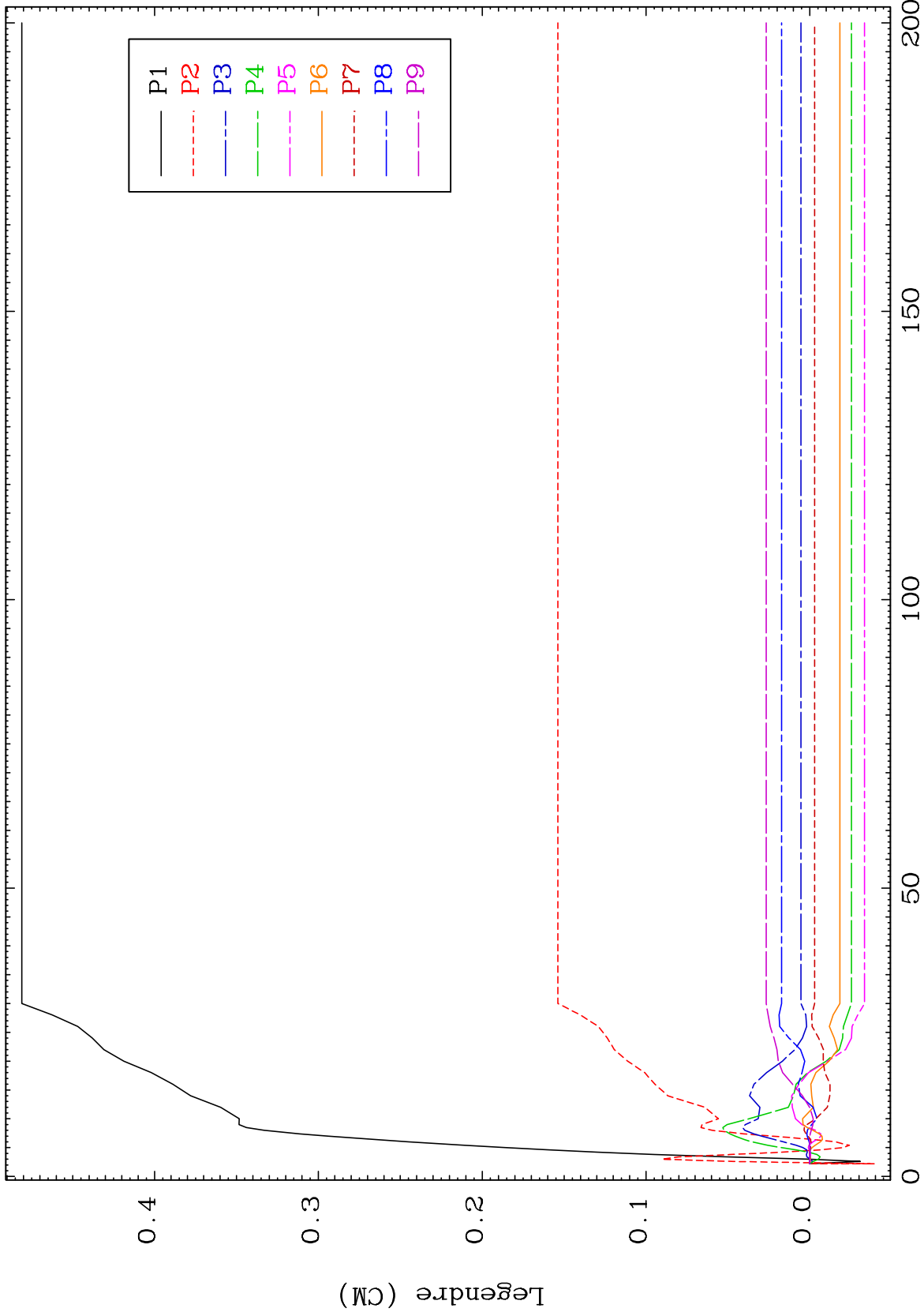




MAT 8604

2.183 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



52

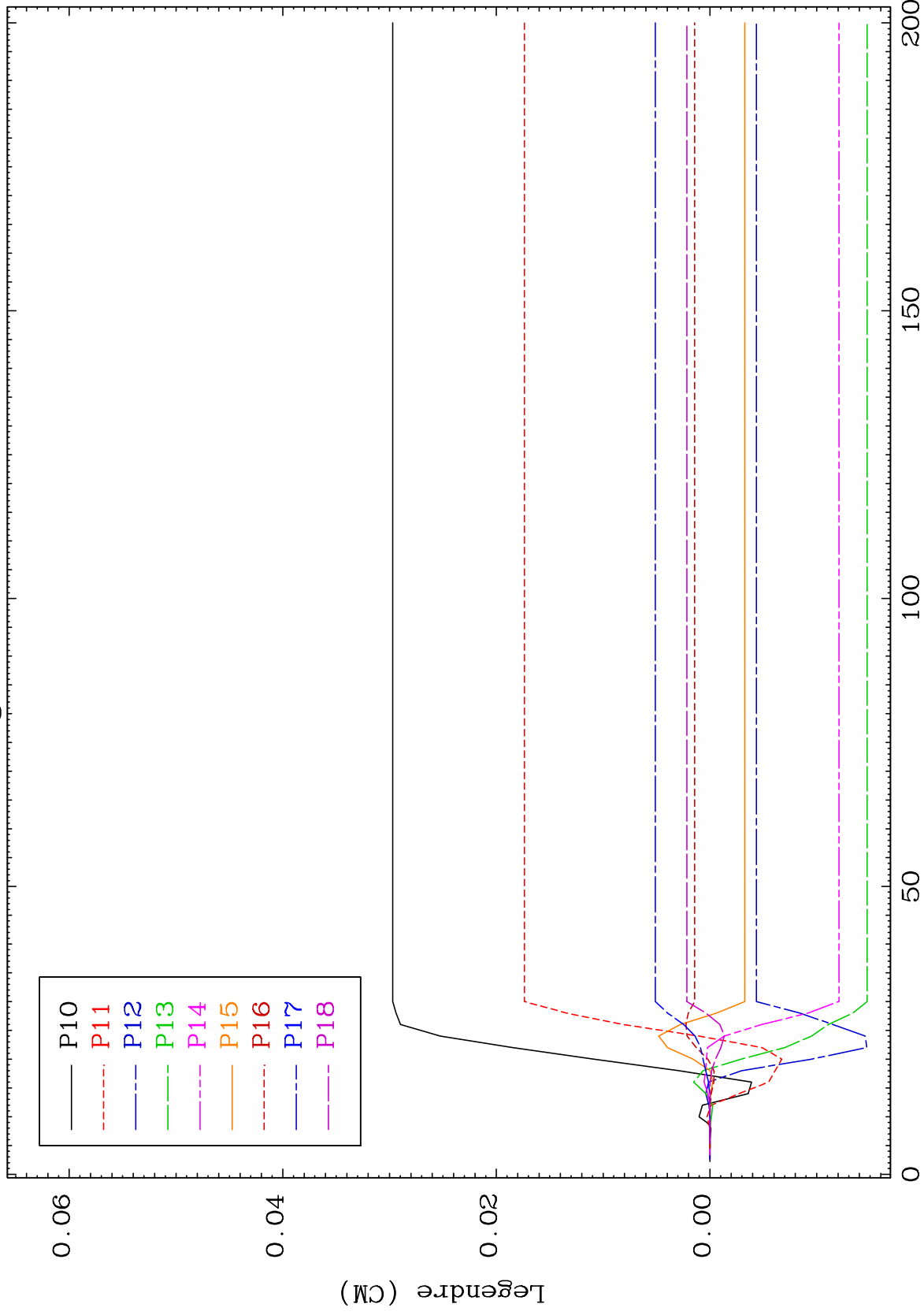
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.183 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



53

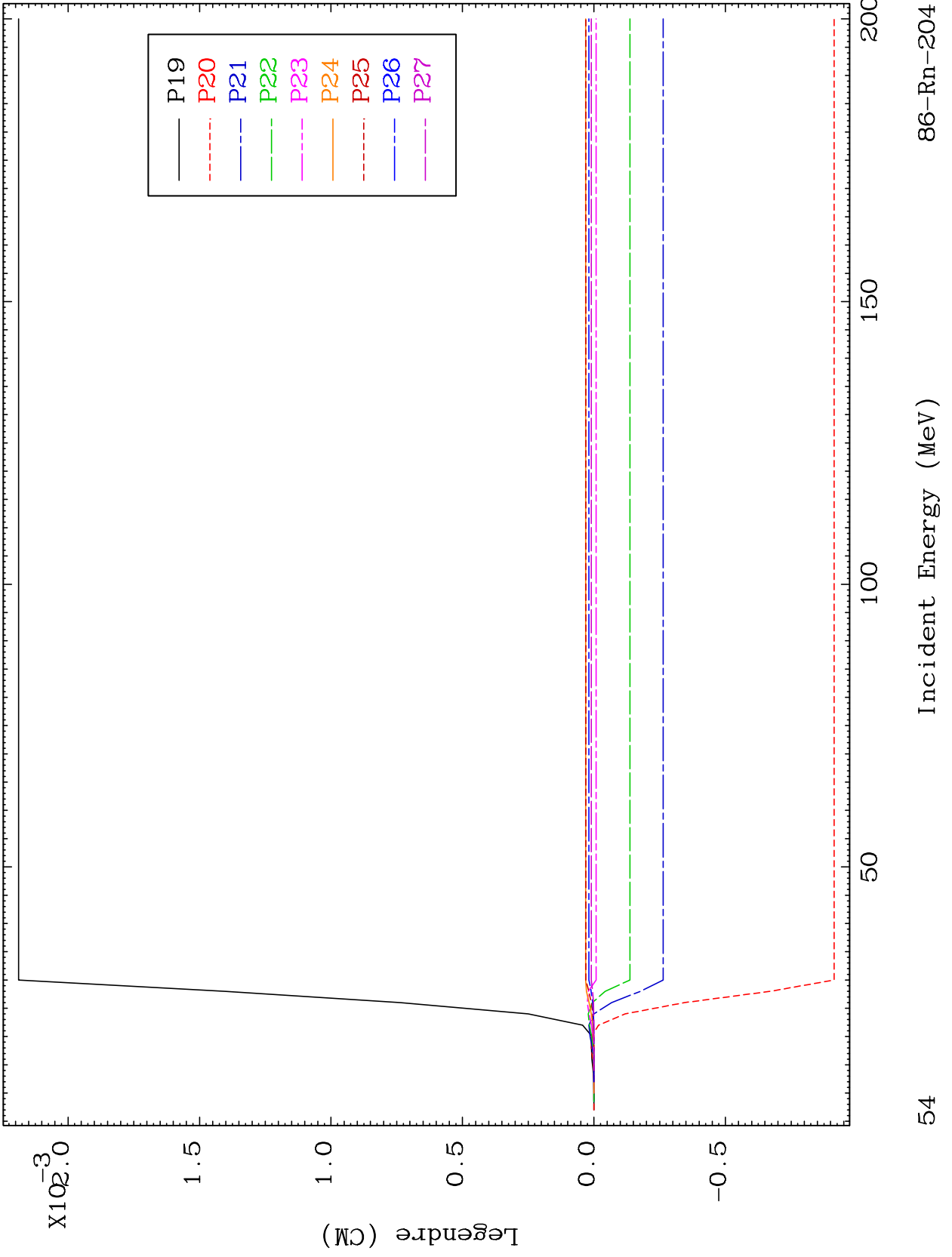
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.183 MeV (n, n') Level
Legendre Coefficients

86-Rn-204



54

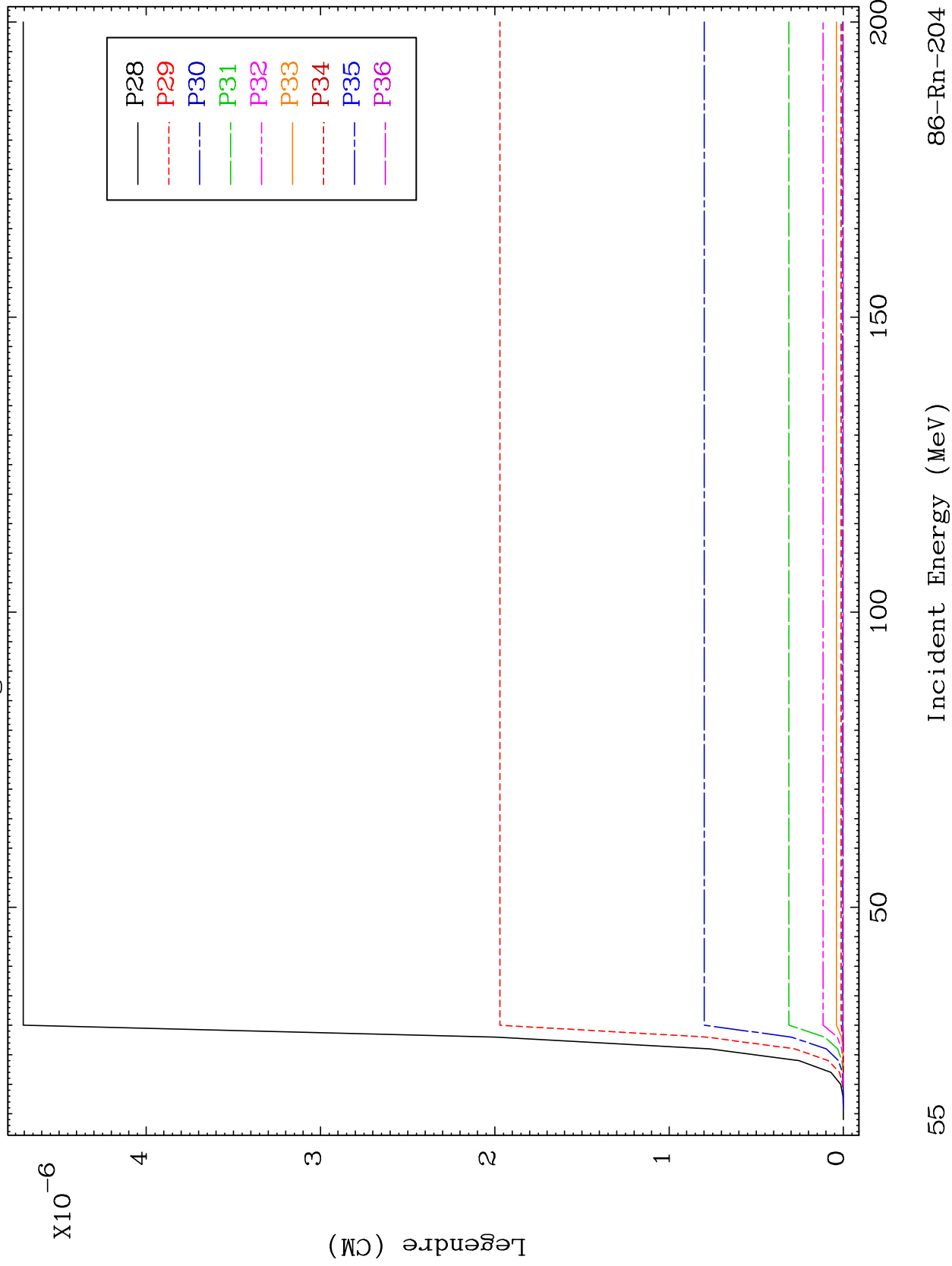
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.183 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



55

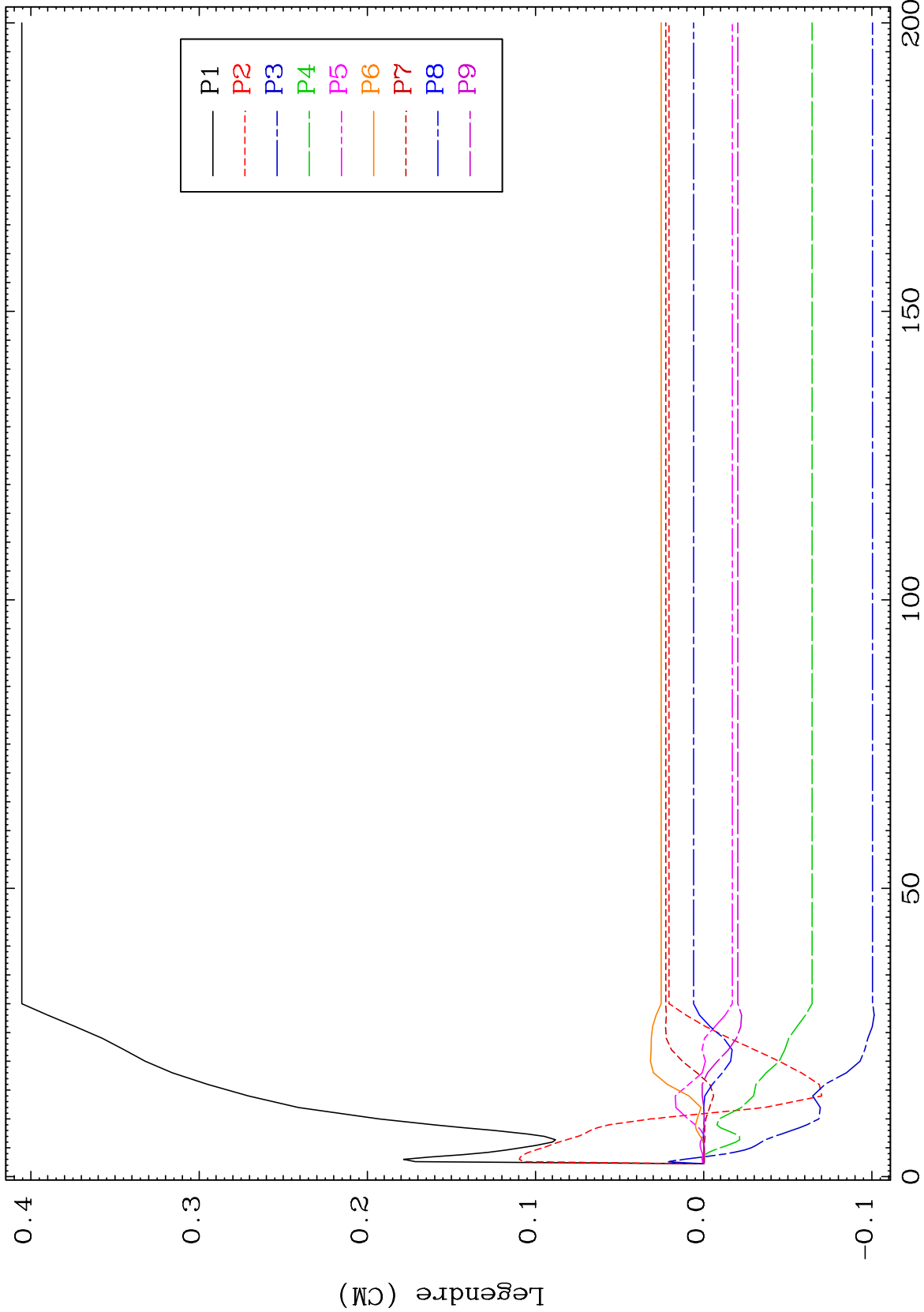
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.219 MeV (n, n') Level
Legendre Coefficients

86-Rn-204



56

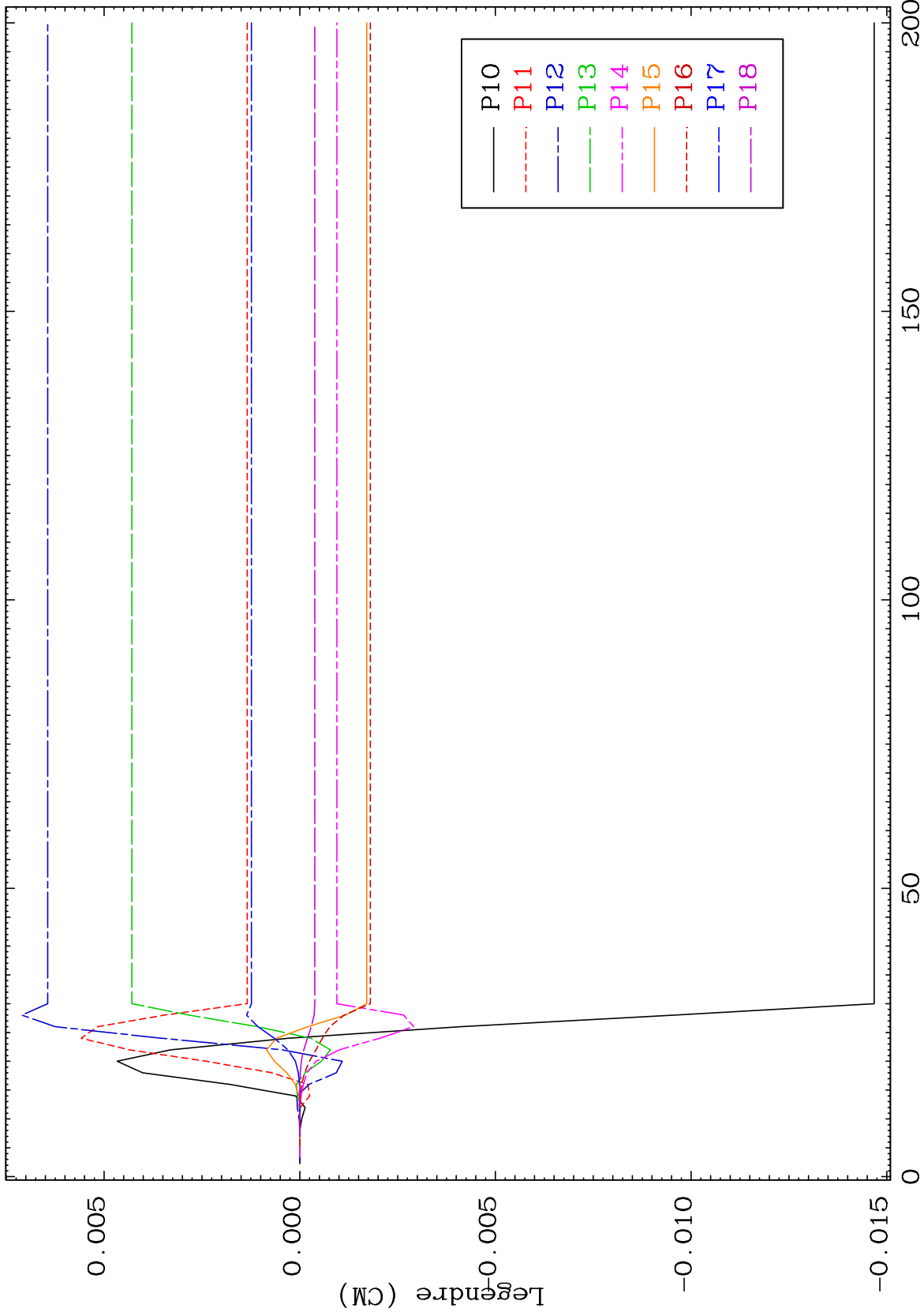
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.219 MeV (n,n') Level
Legendre Coefficients

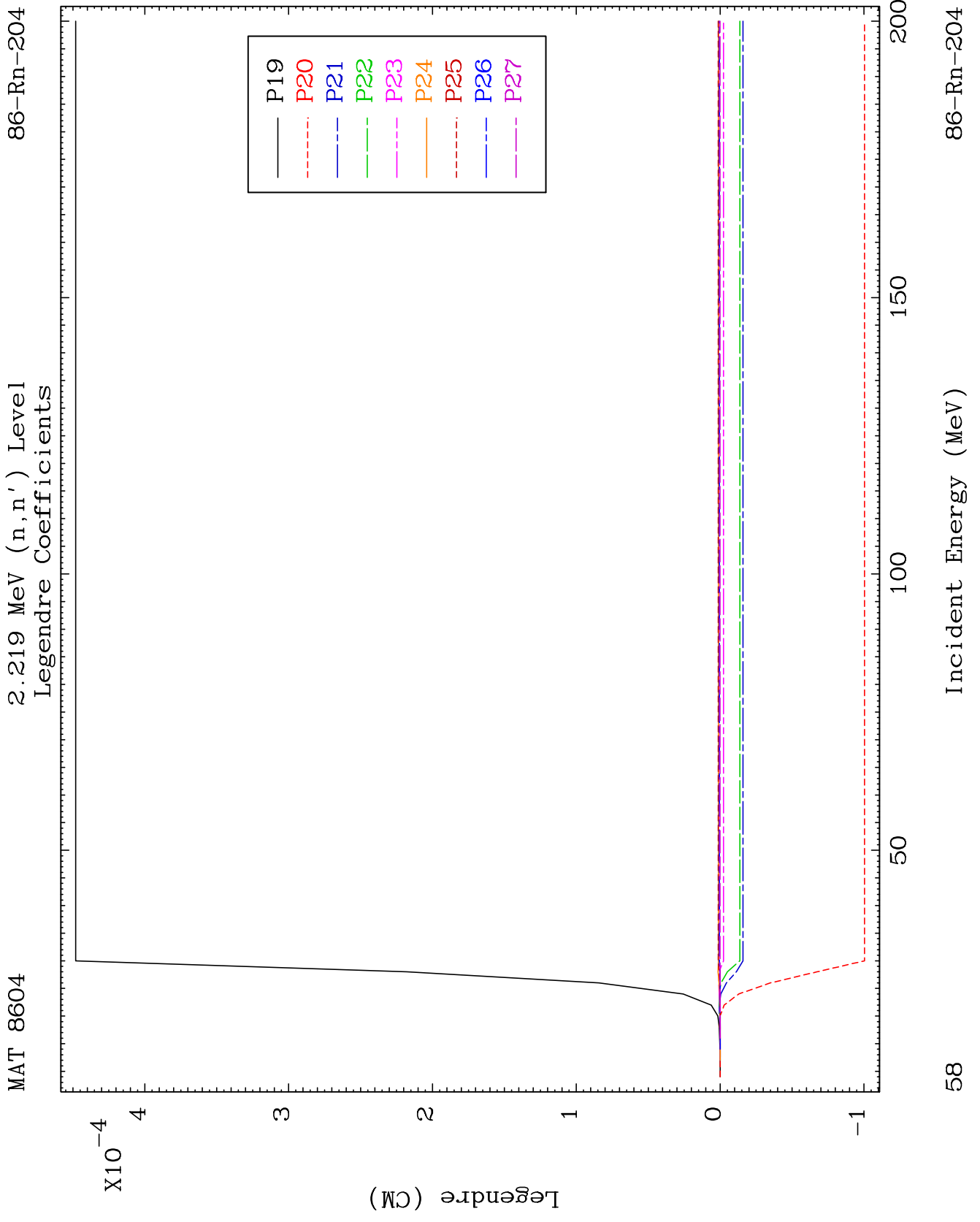
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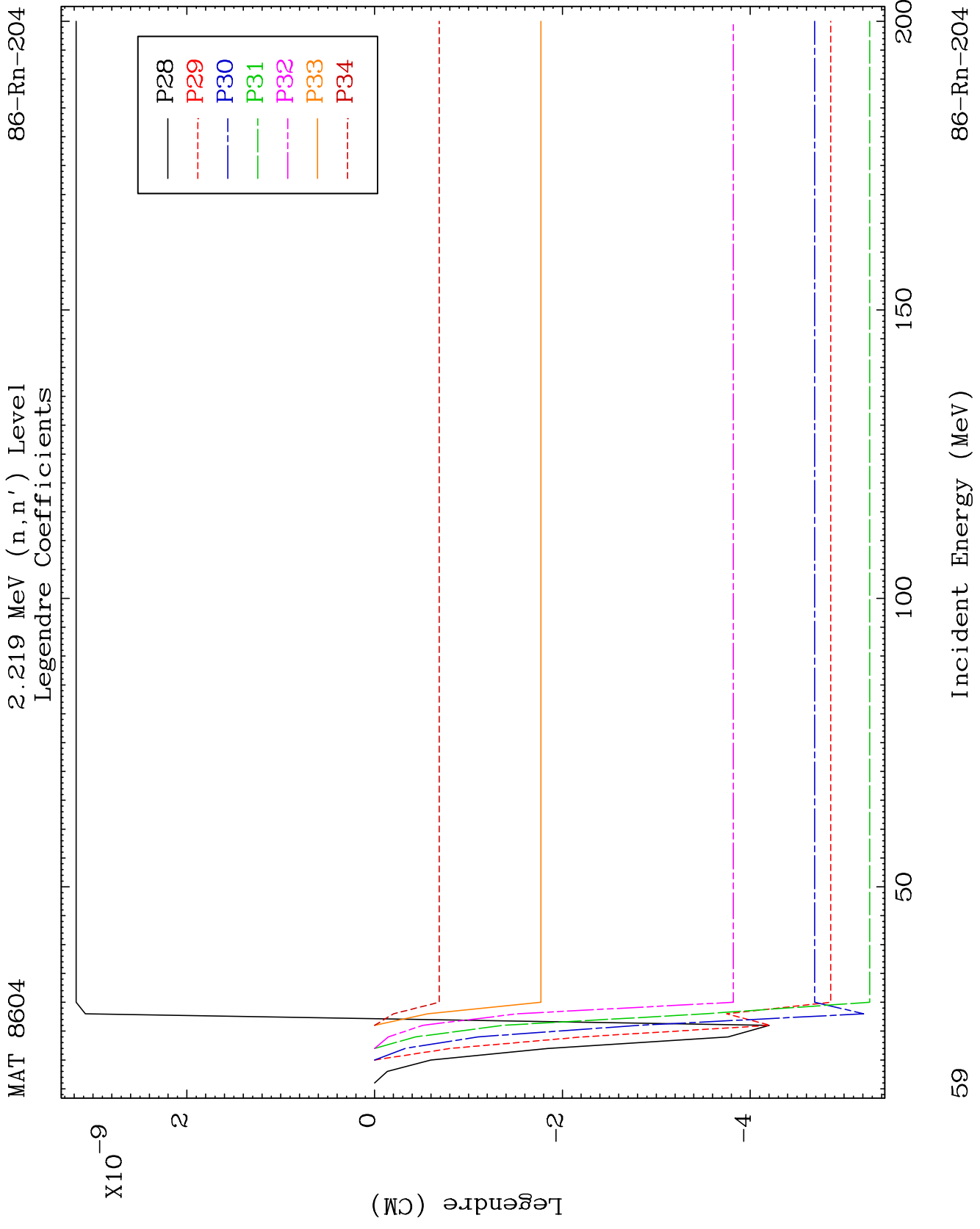


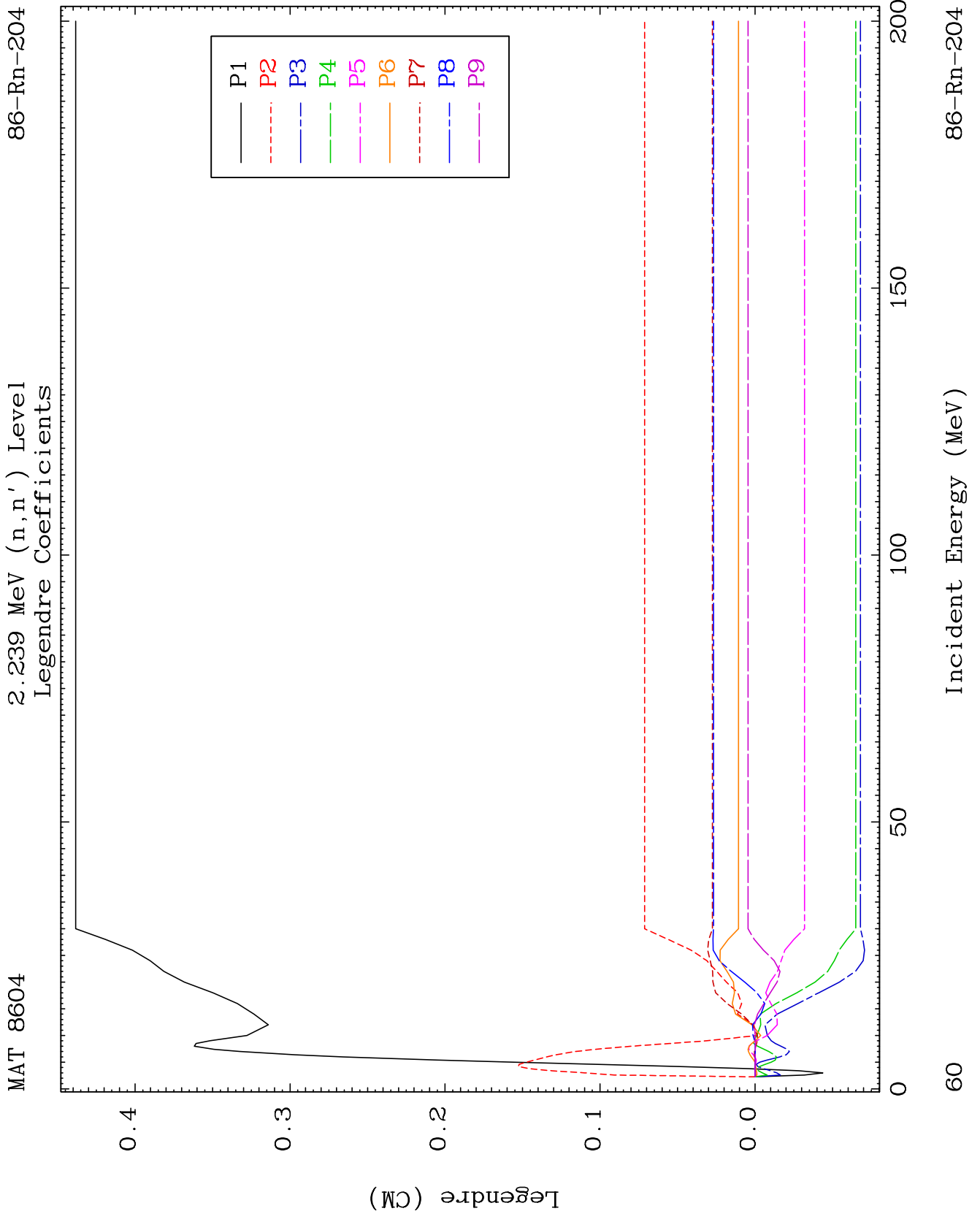
57

Incident Energy (MeV)

86-Rn-204



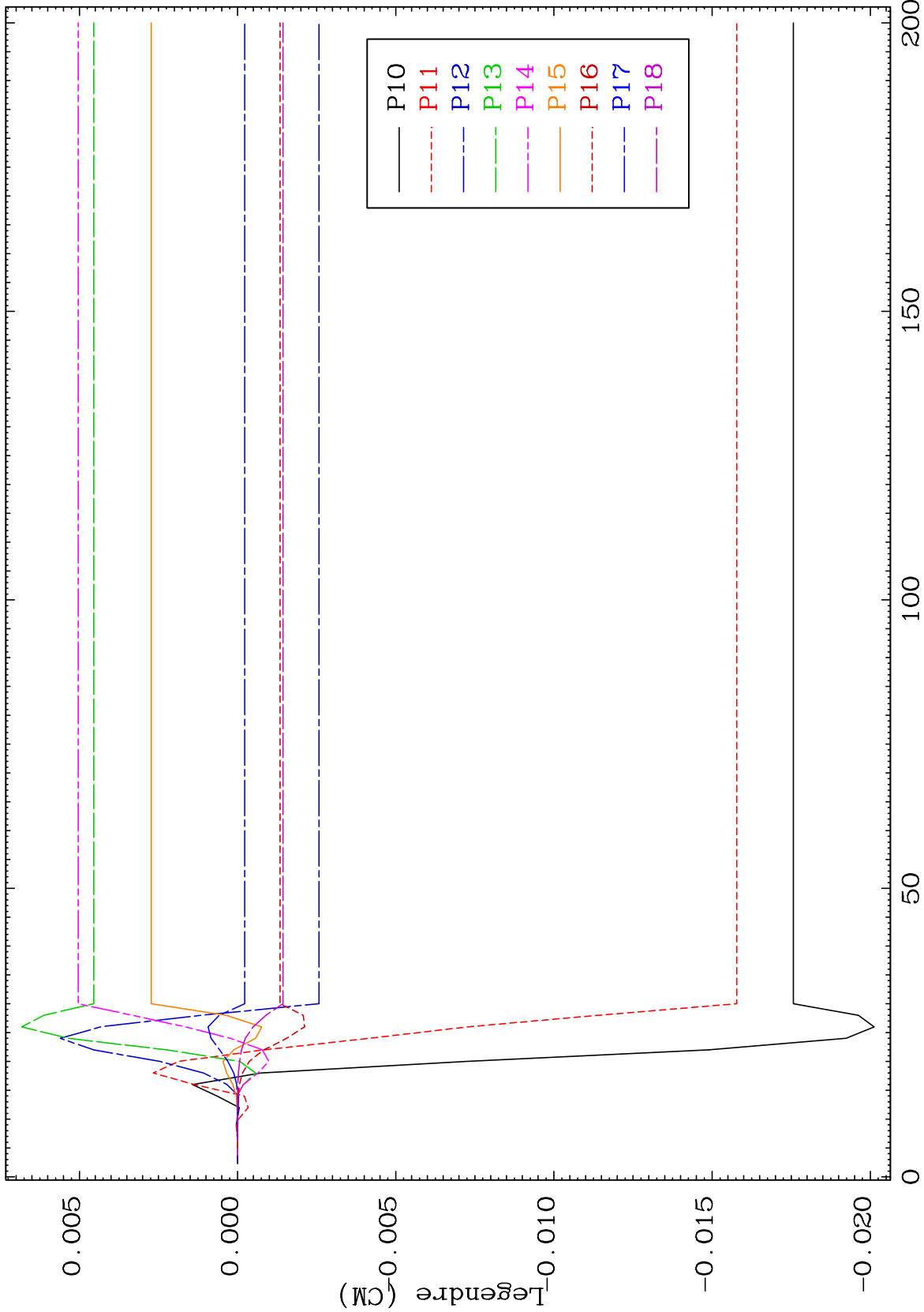




MAT 8604

2.239 MeV (n,n') Level
Legendre Coefficients

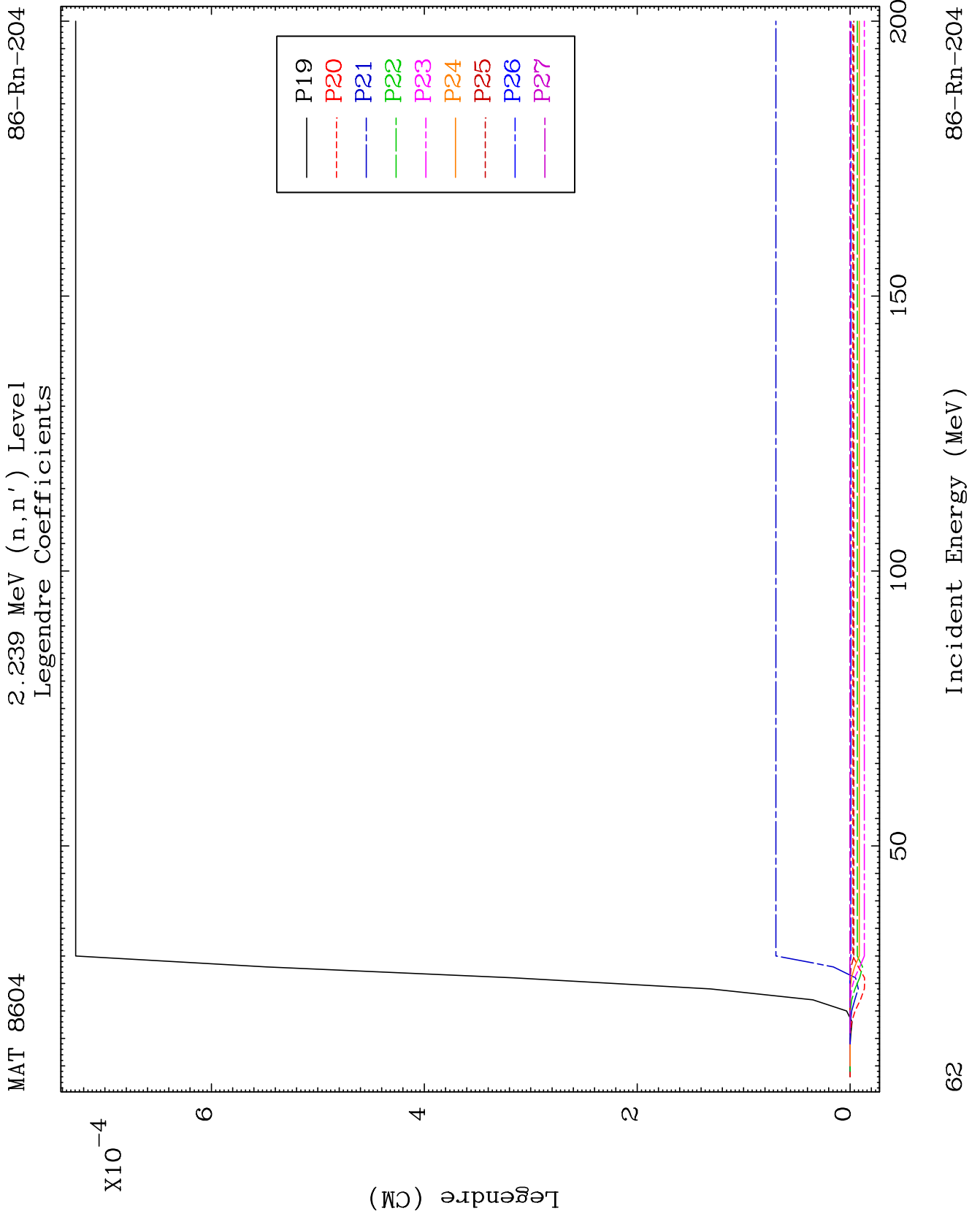
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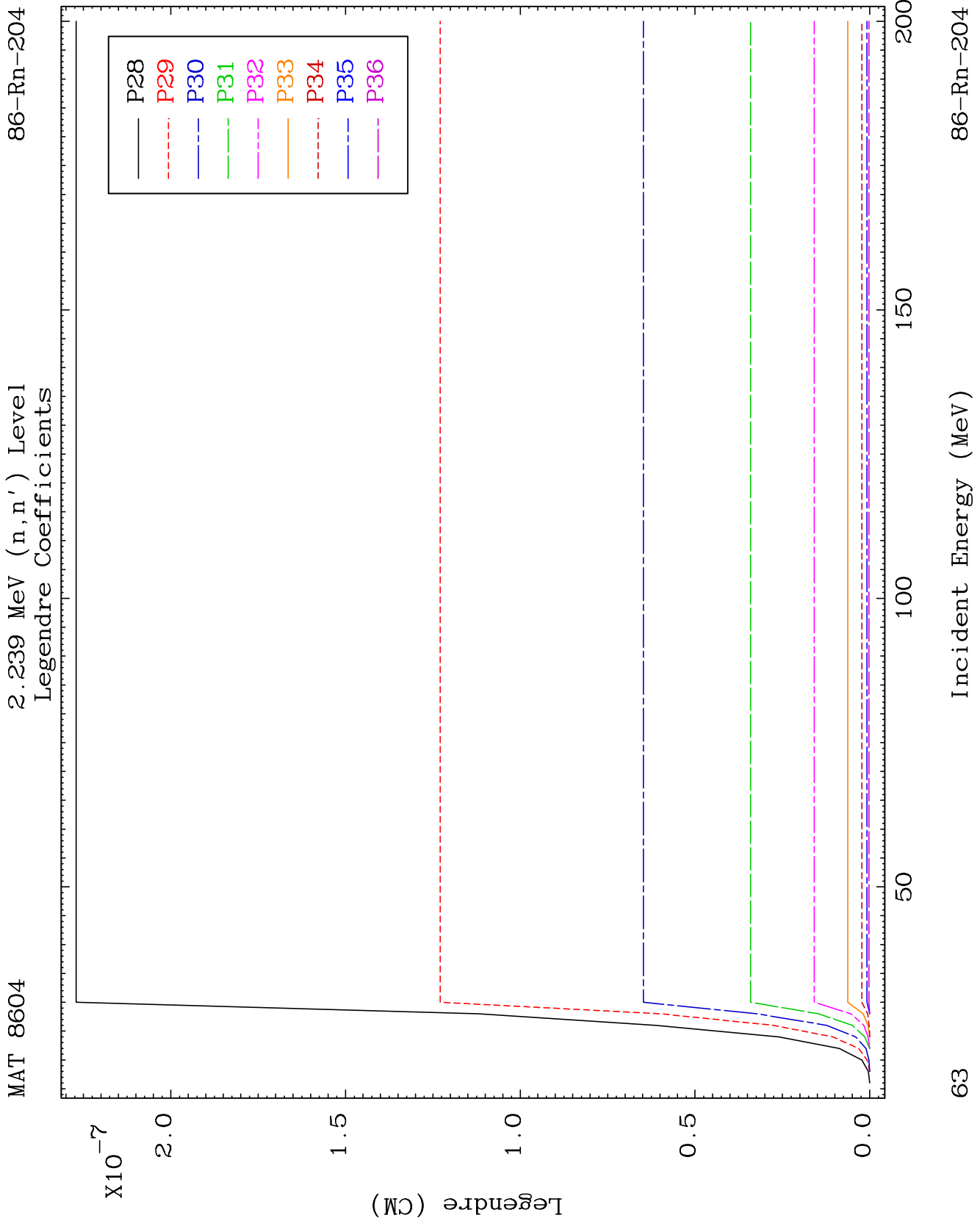


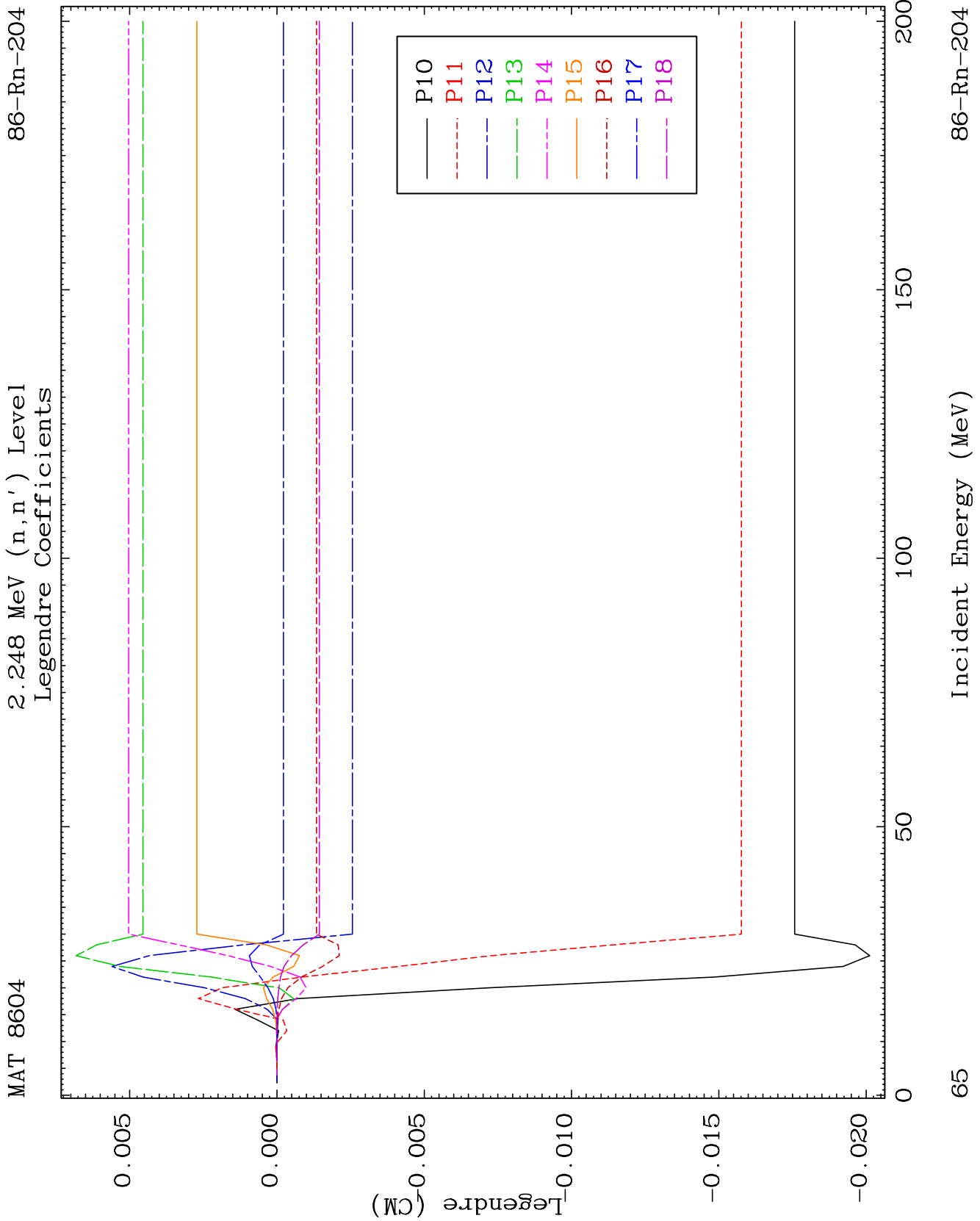
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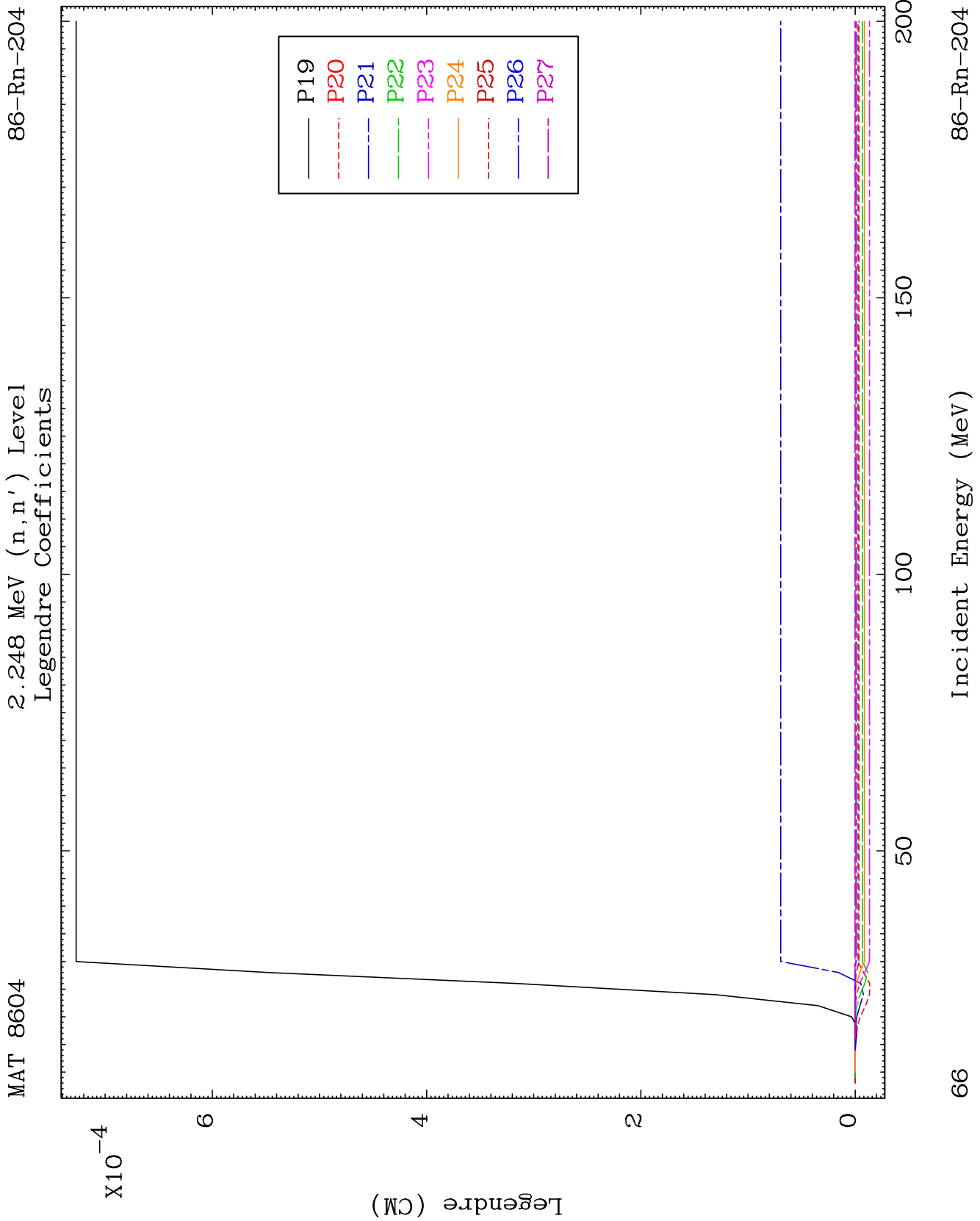
Incident Energy (MeV)

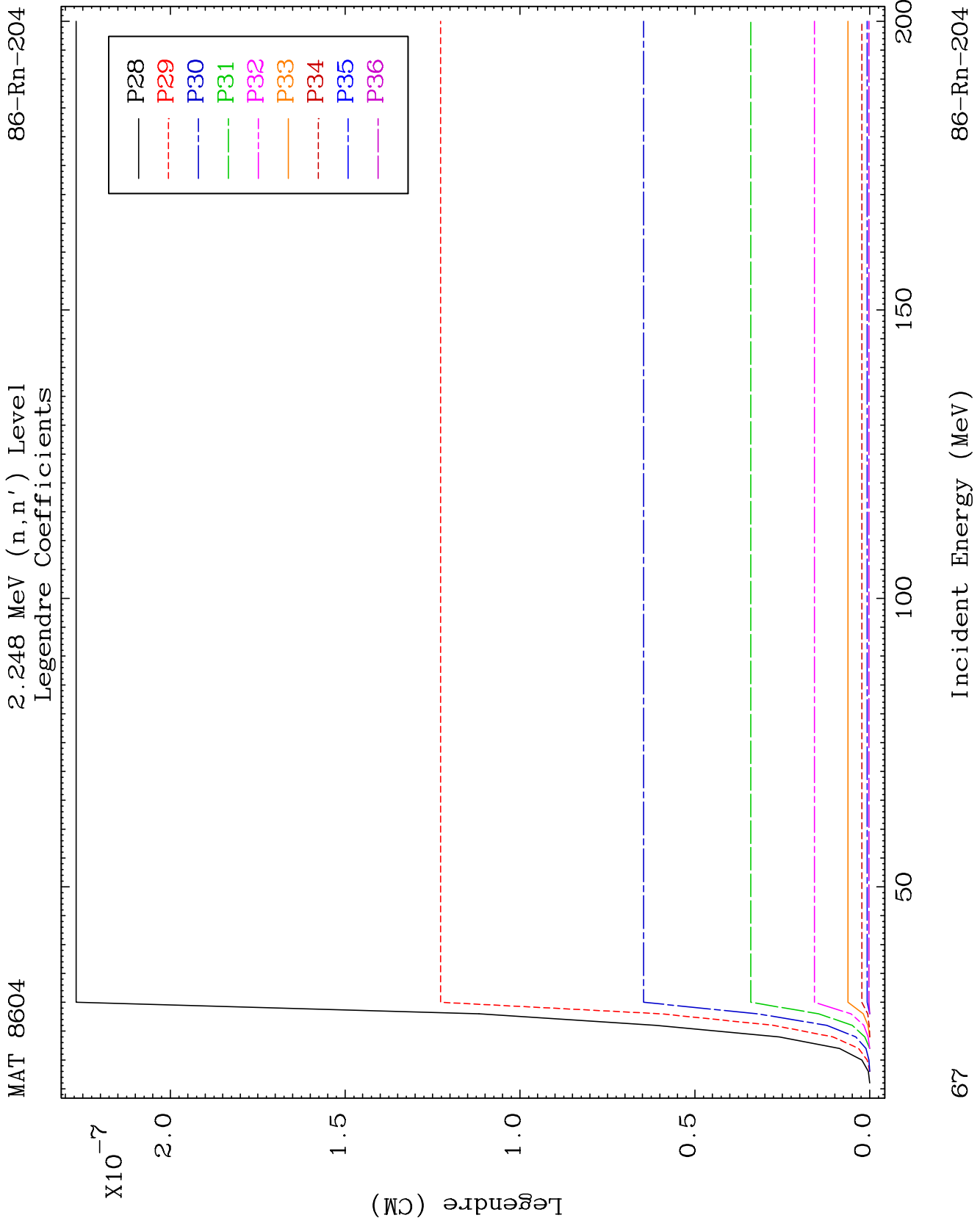
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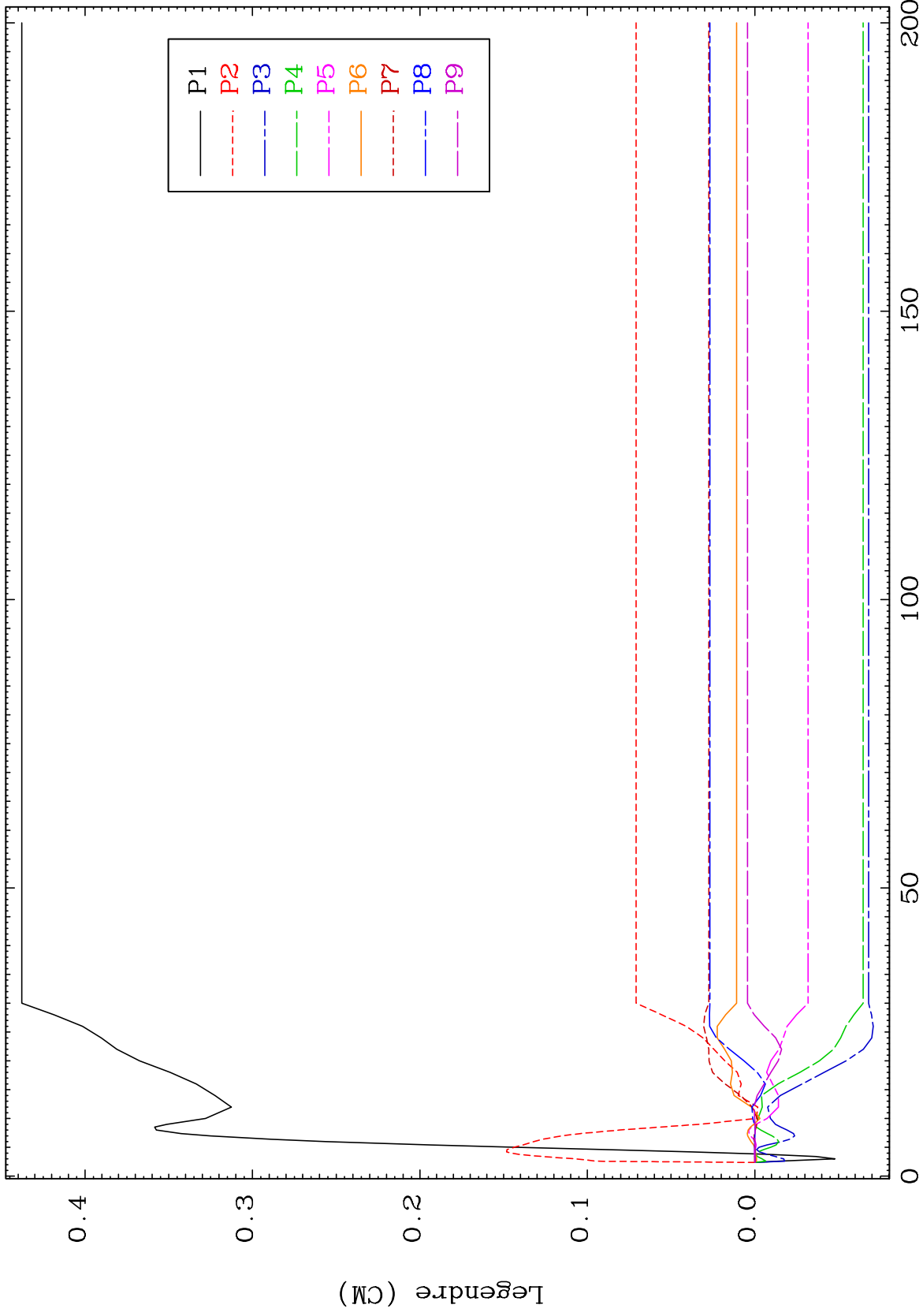




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2.365 MeV (n,n') Level Legendre Coefficients

86-Rn-204



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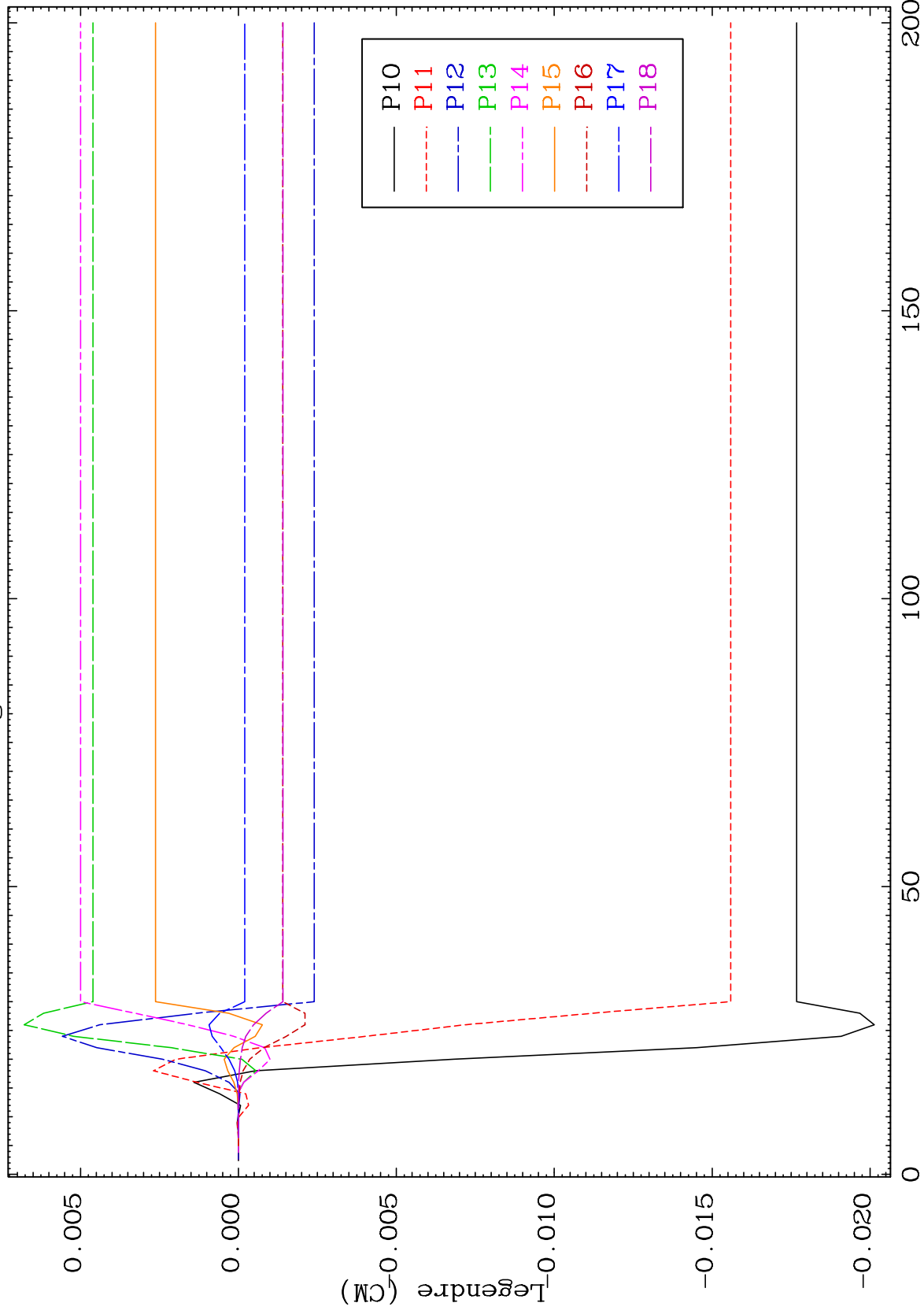
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.365 MeV (n,n') Level
Legendre Coefficients

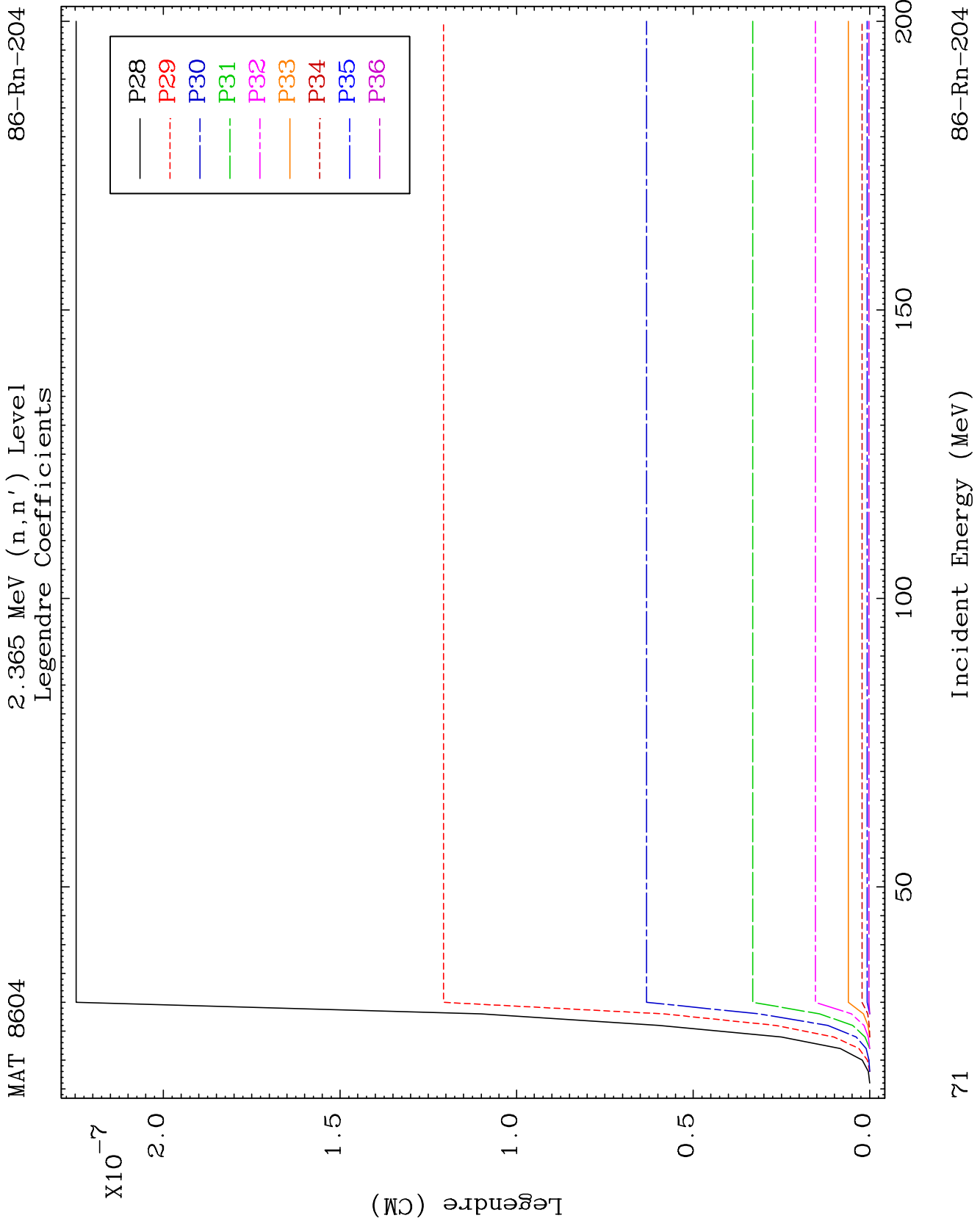
86-Rn-204



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Incident Energy (MeV)

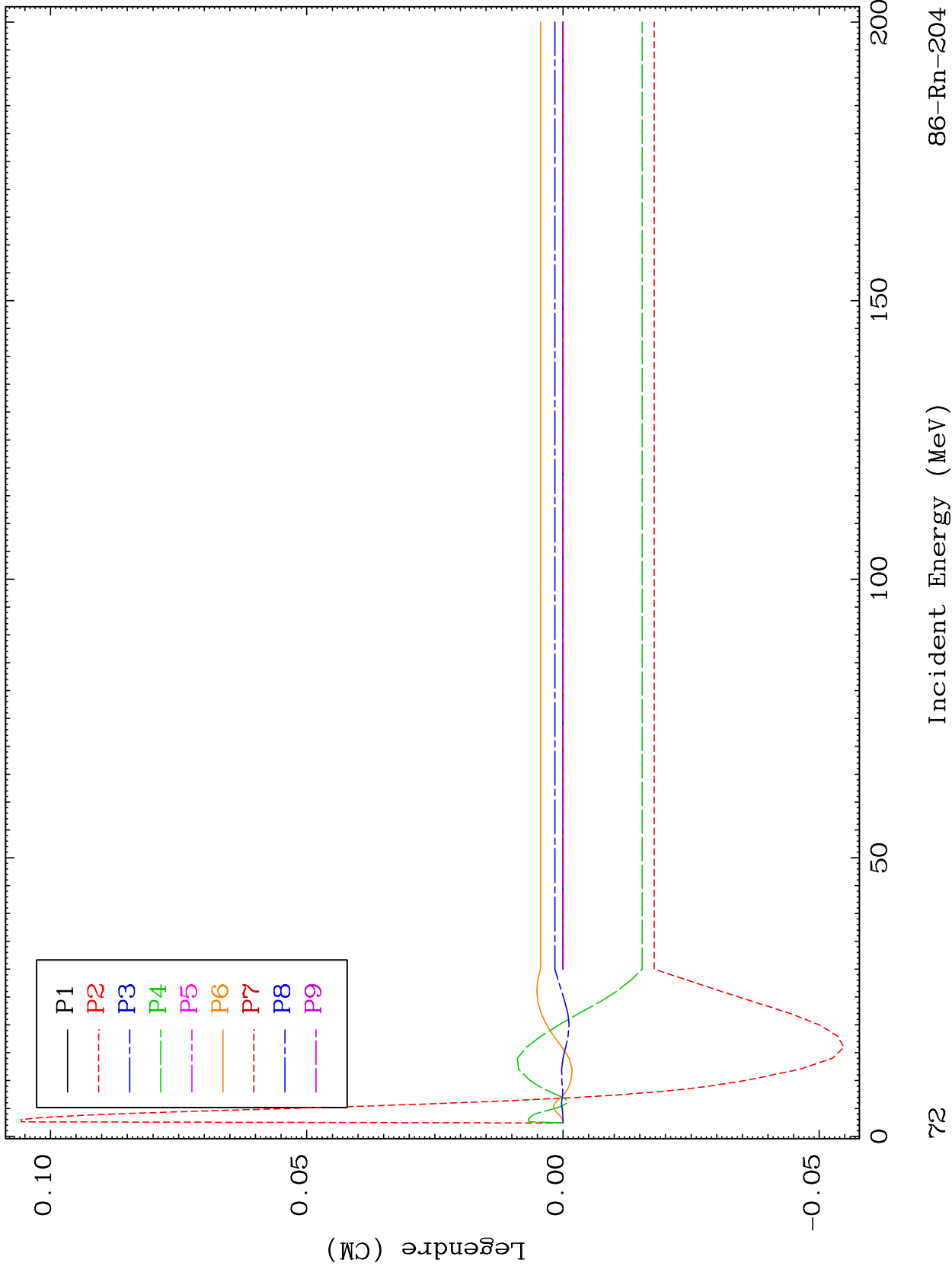
86-Rn-204



MAT 8604

2.371 MeV (n,n') Level
Legendre Coefficients

86-Rn-204

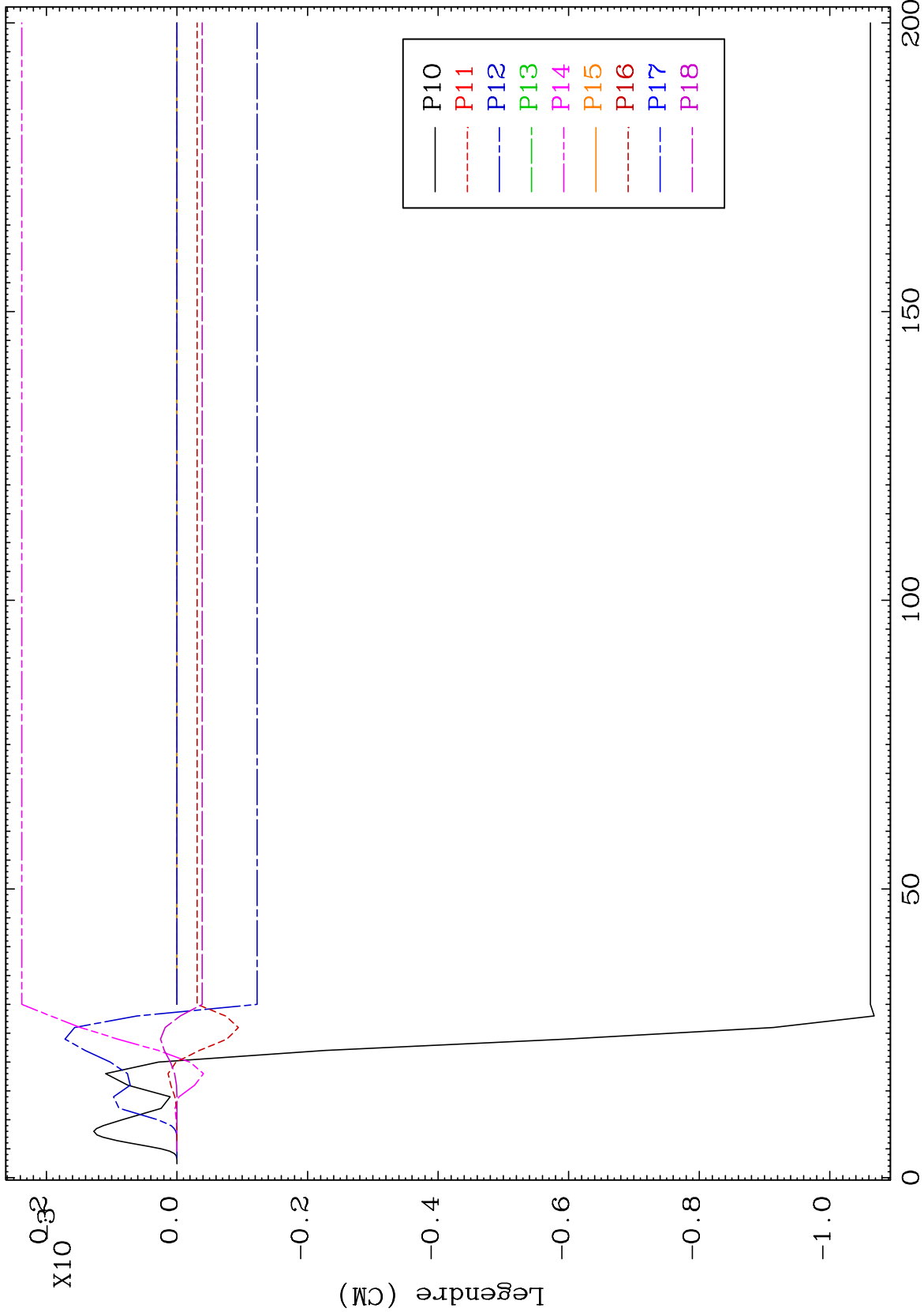


72

MAT 8604

2.371 MeV (n,n') Level
Legendre Coefficients

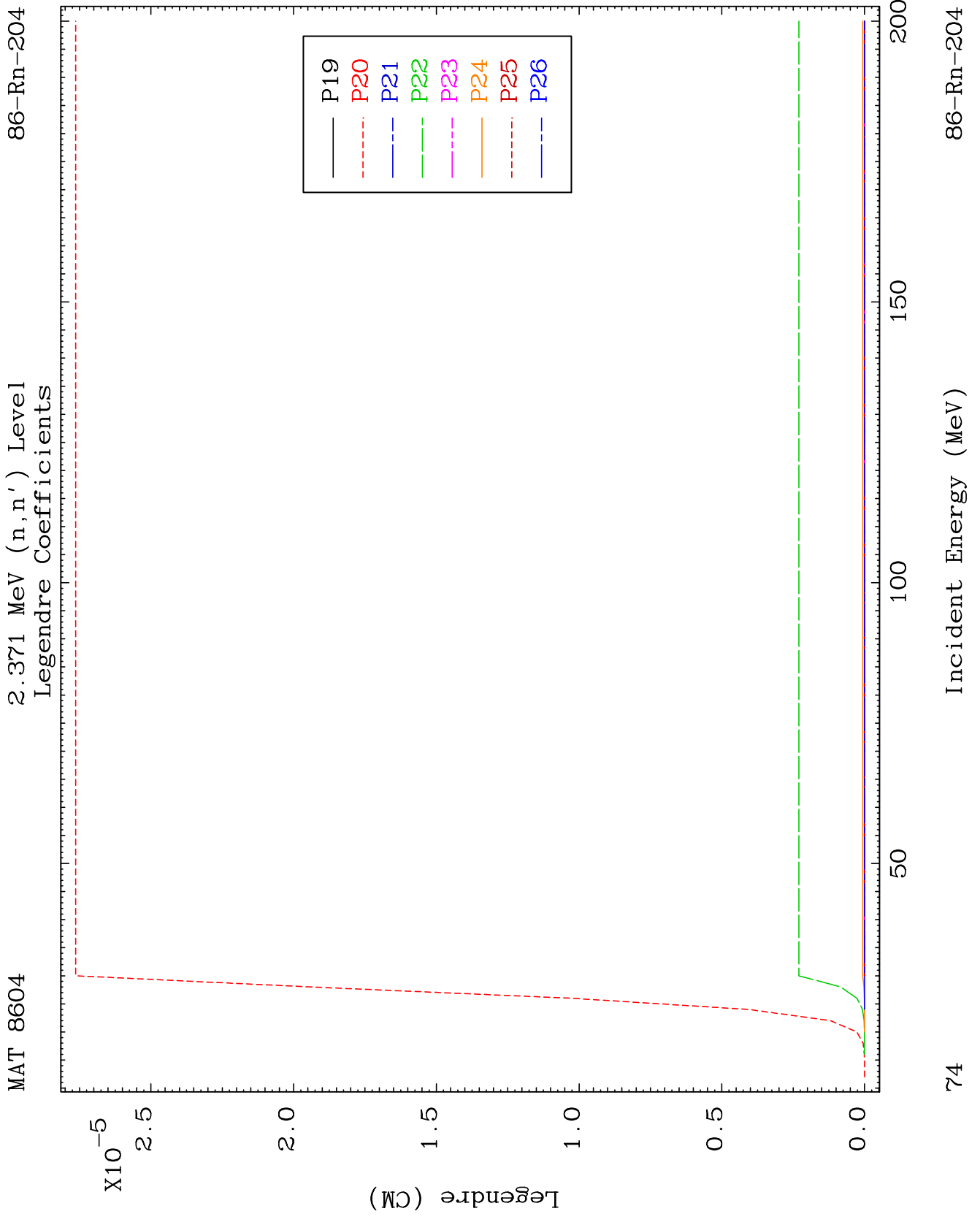
86-Rn-204



73

Incident Energy (MeV)

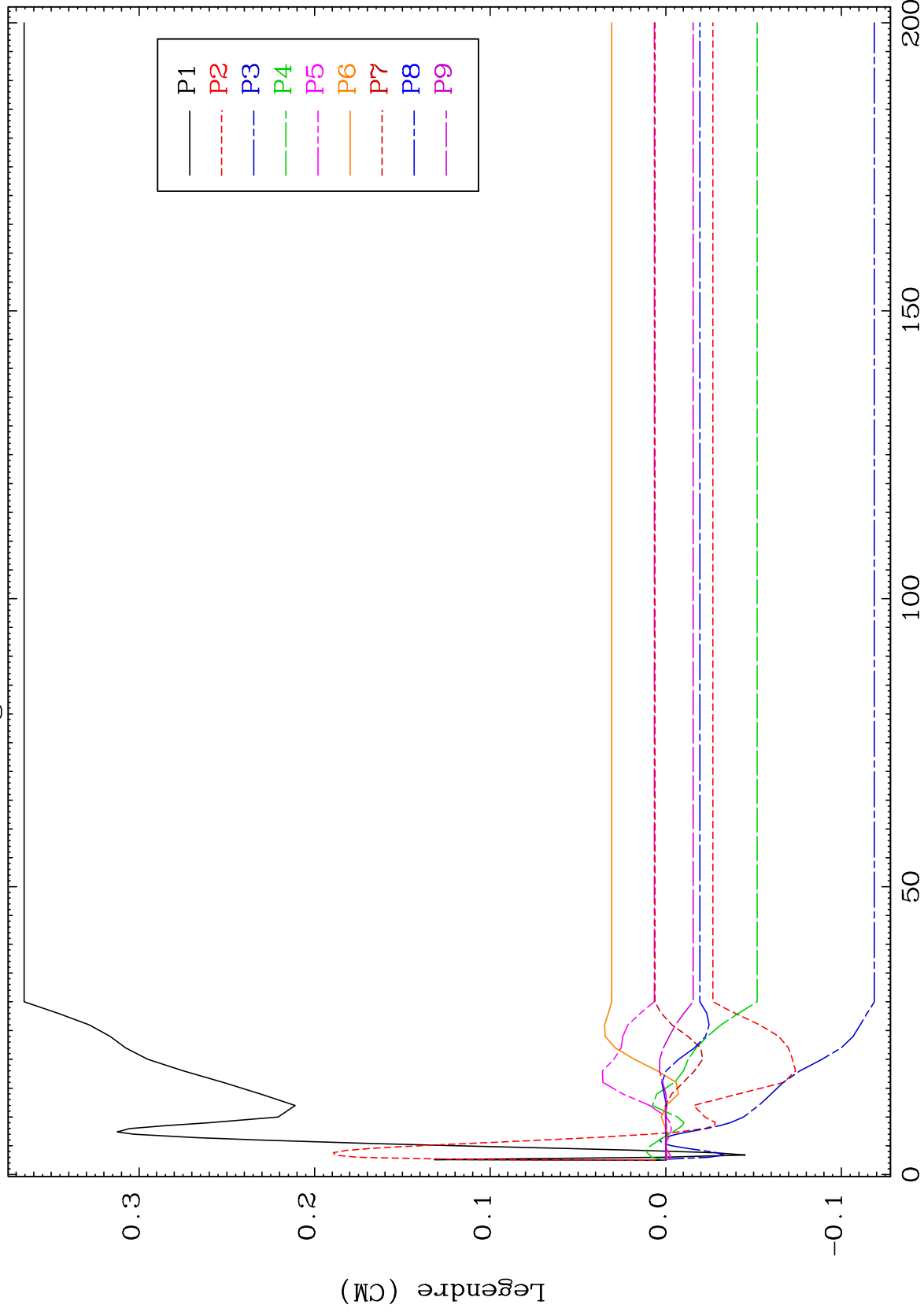
86-Rn-204



MAT 8604

2.453 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



75

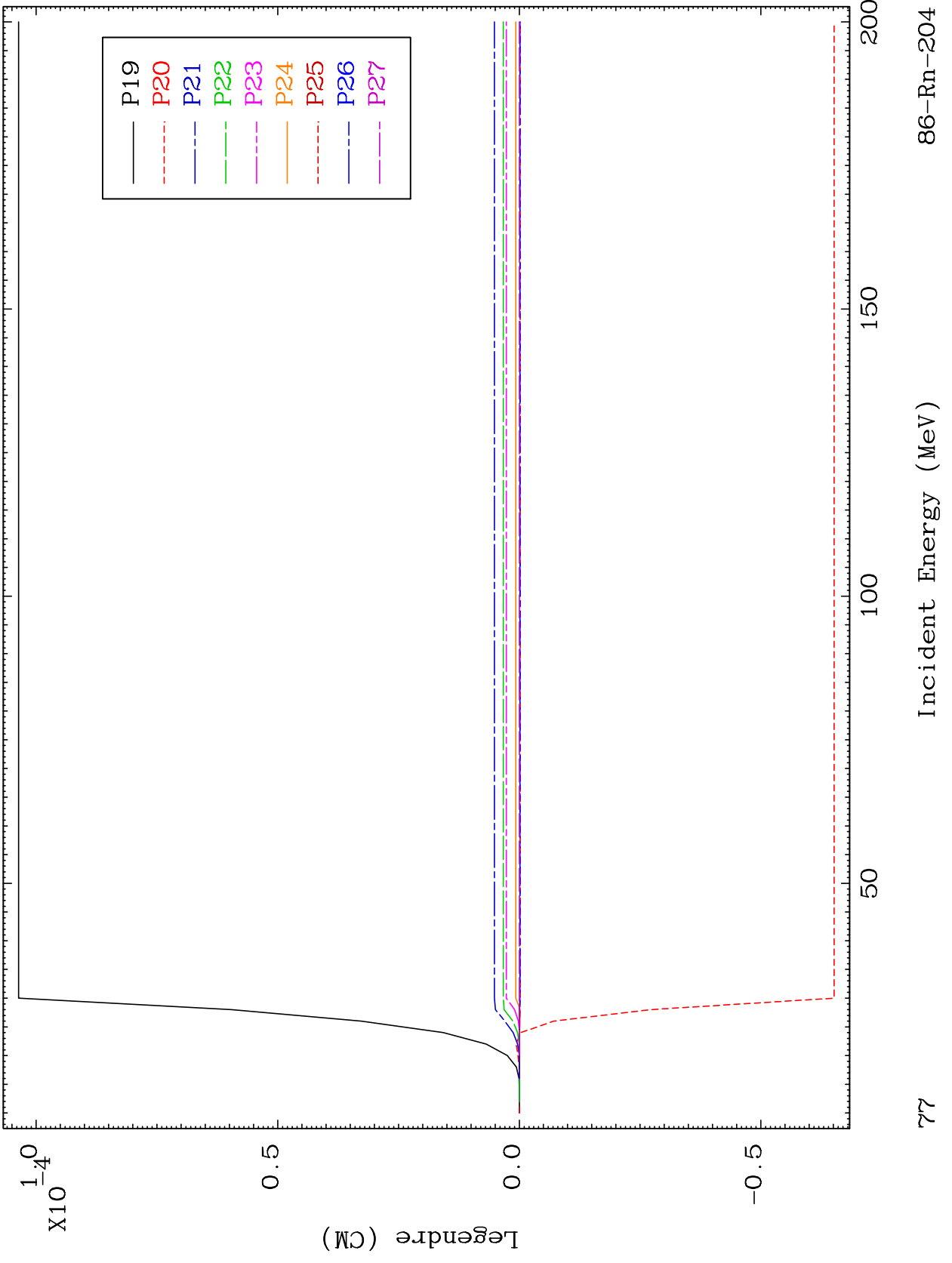
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.453 MeV (n,n') Level
Legendre Coefficients

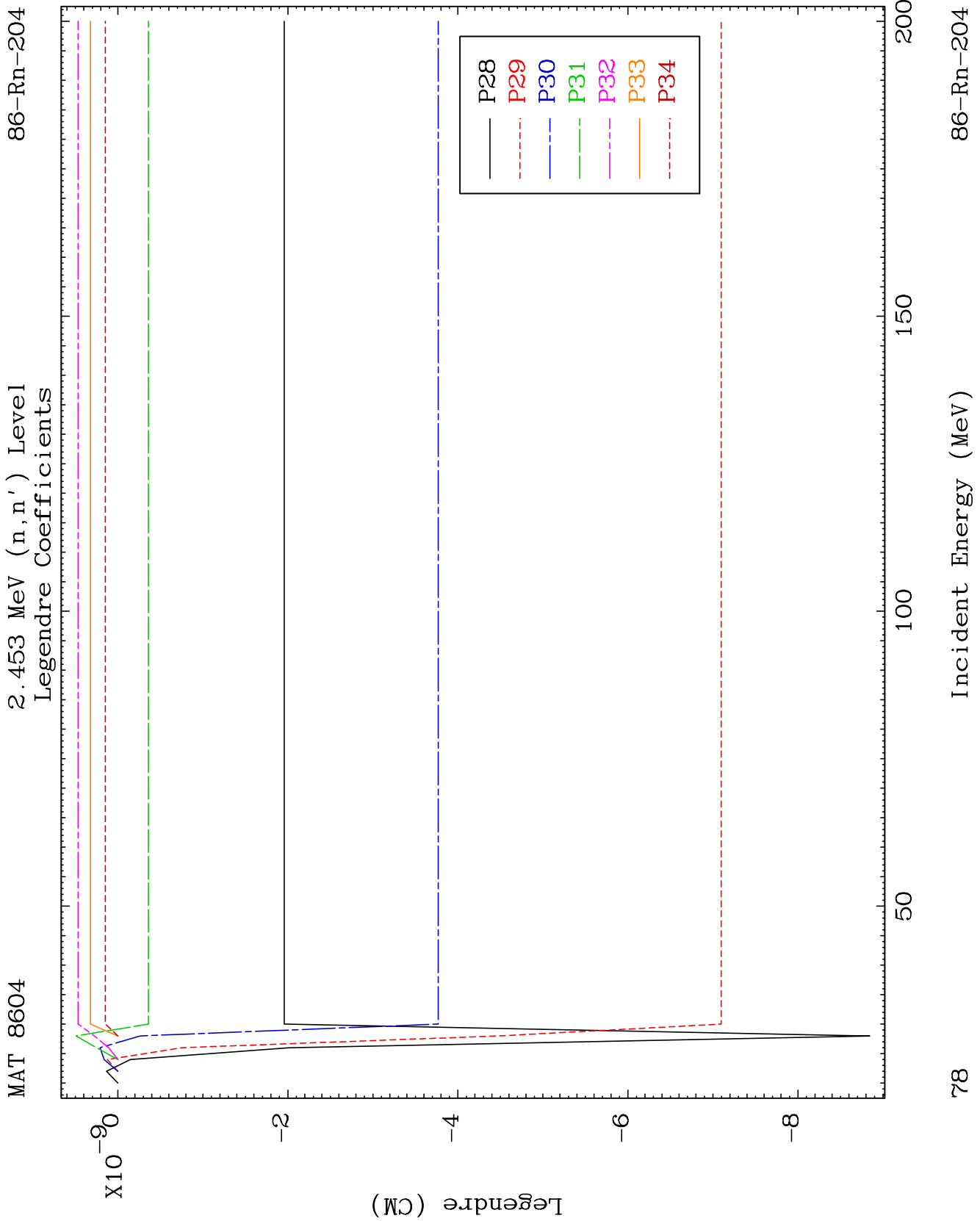
86-Rn-204



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Incident Energy (MeV)

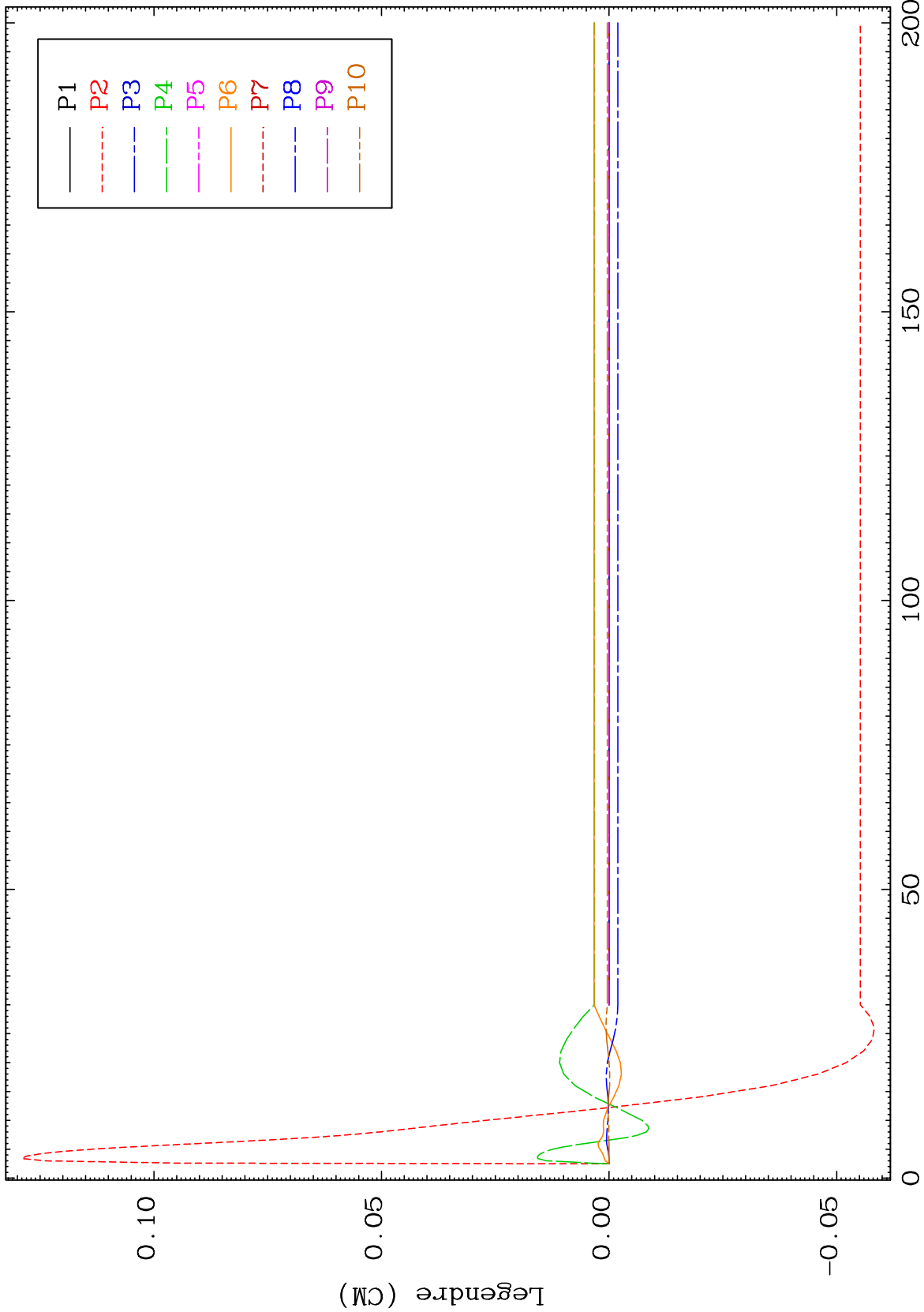
86-Rn-204



MAT 8604

2.462 MeV (n,n') Level
Legendre Coefficients

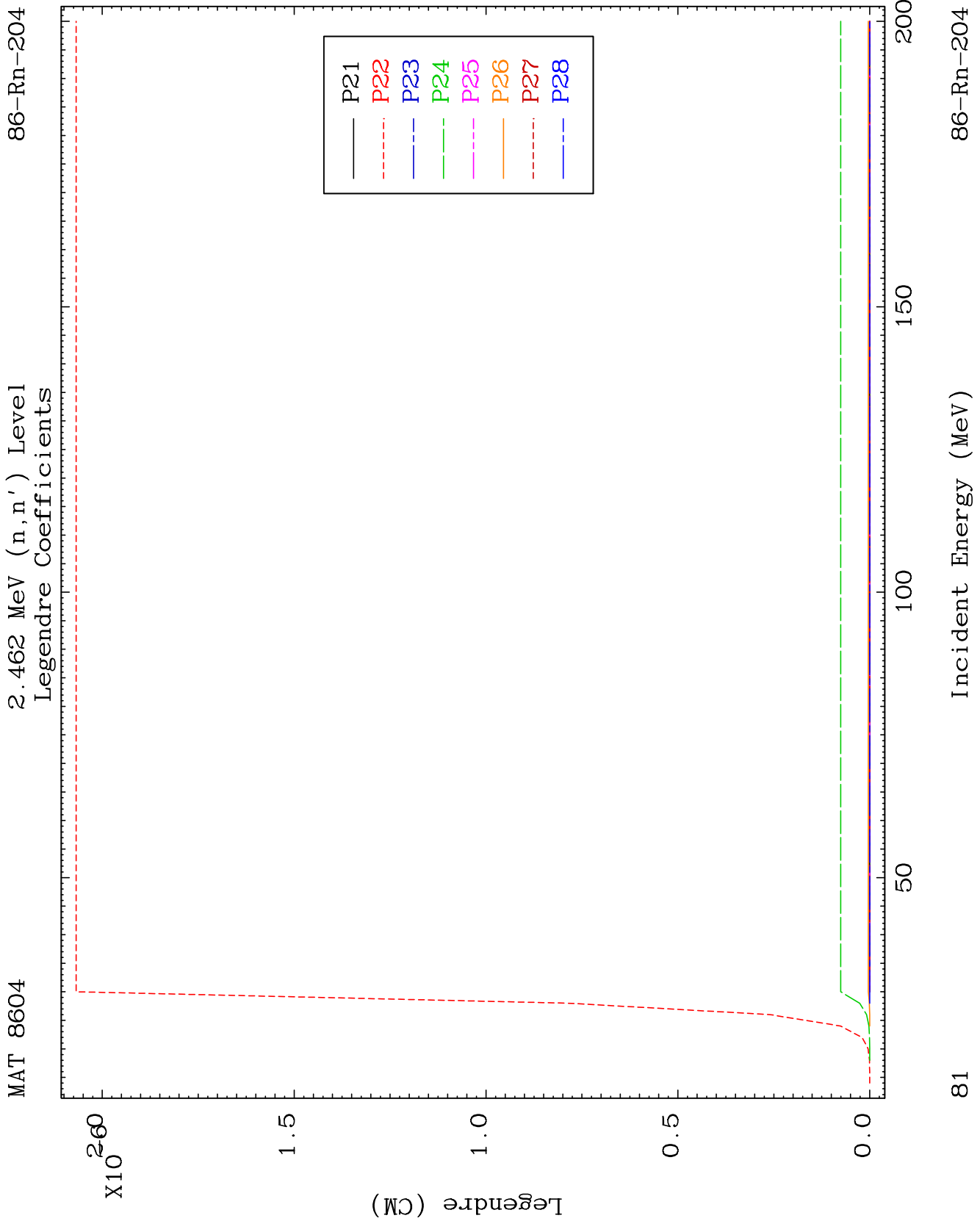
86-Rn-204

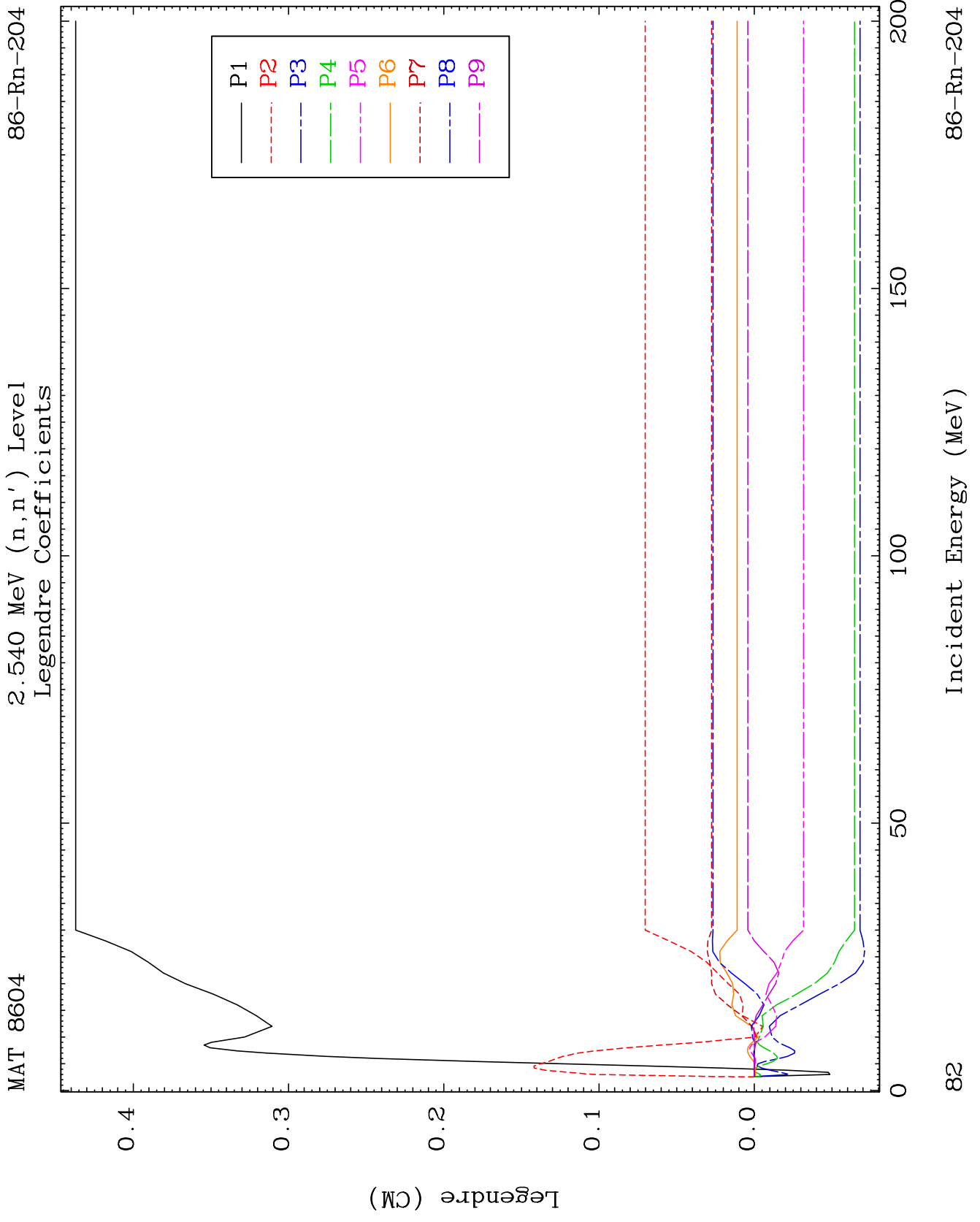


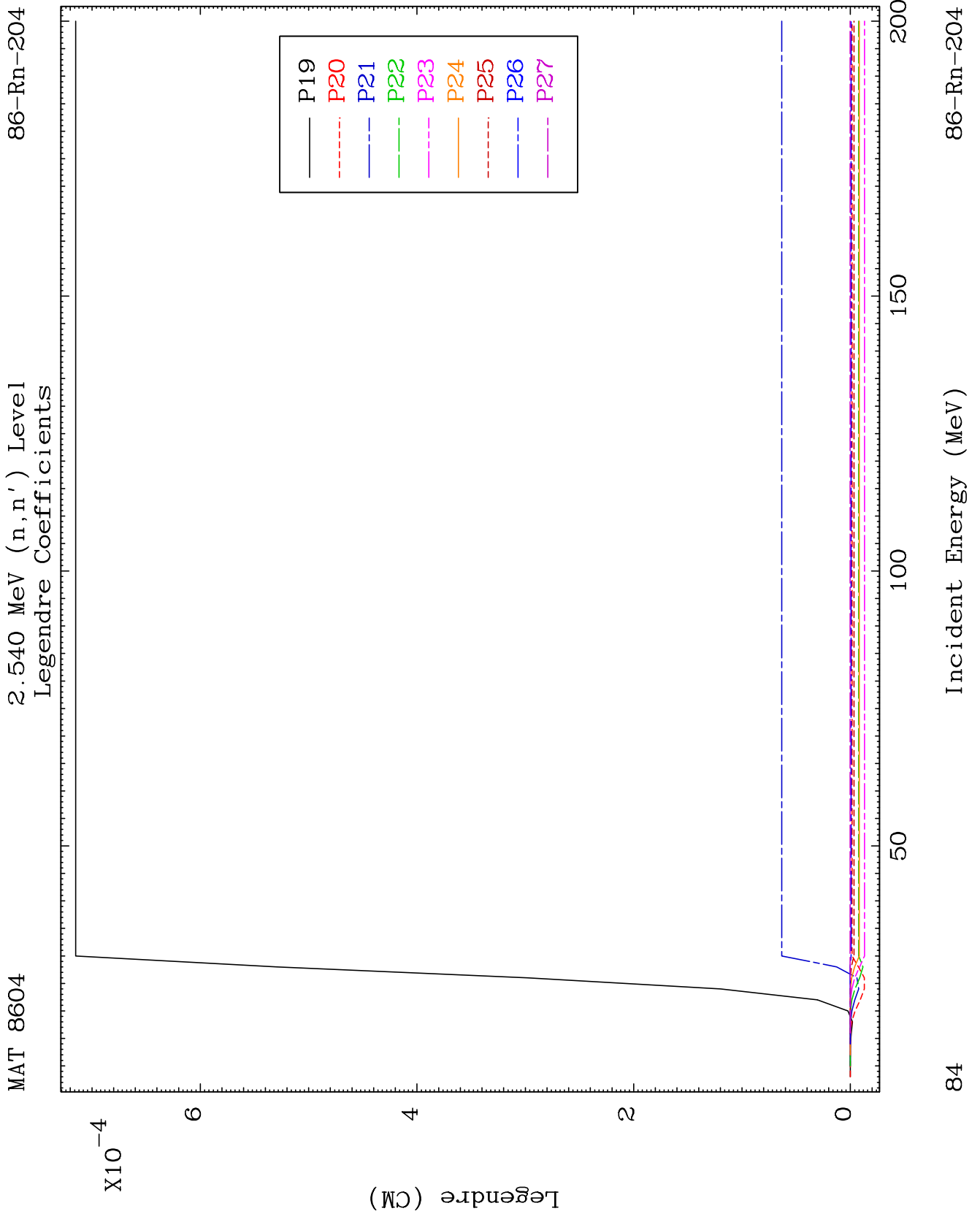
79

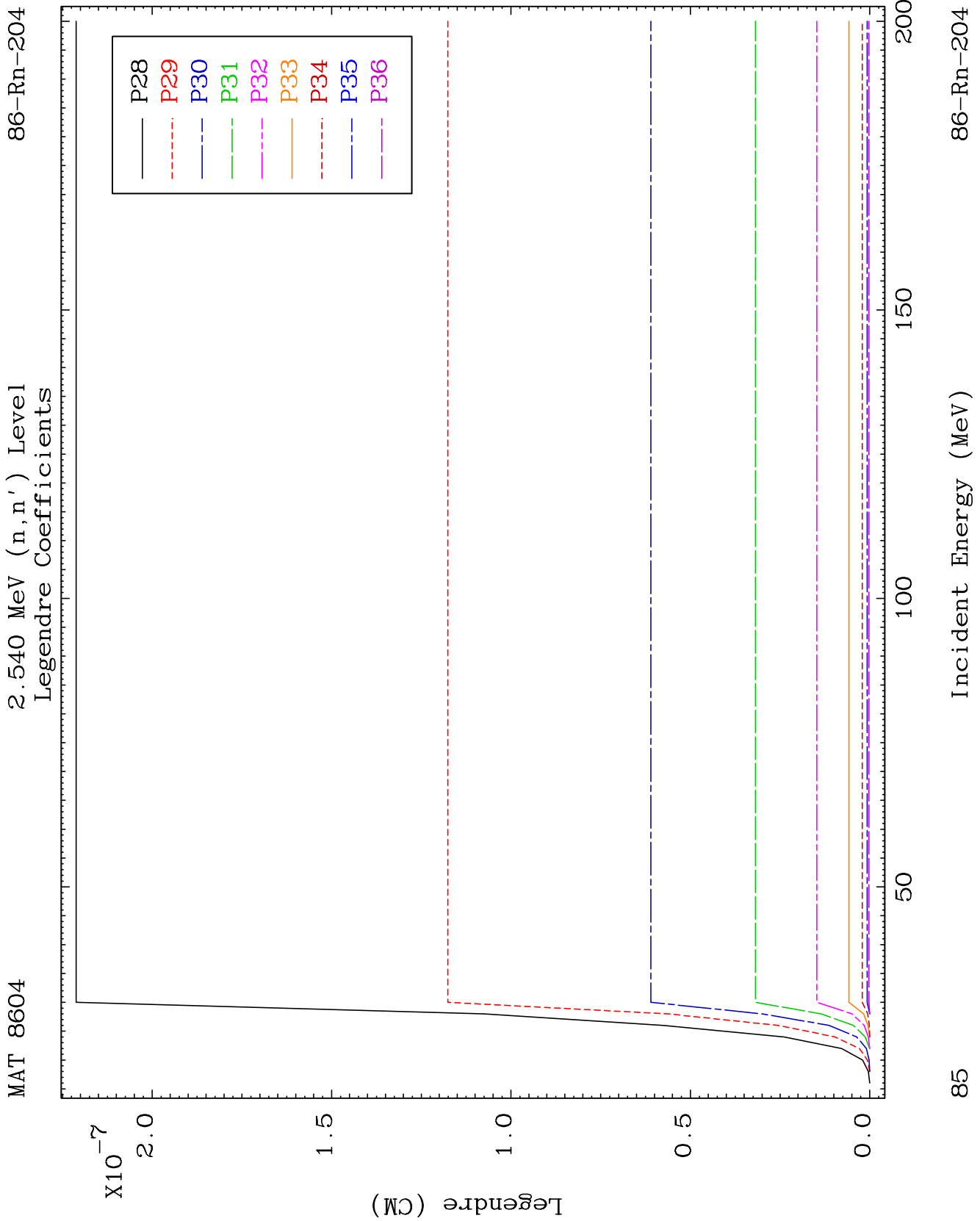
Incident Energy (MeV)

86-Rn-204





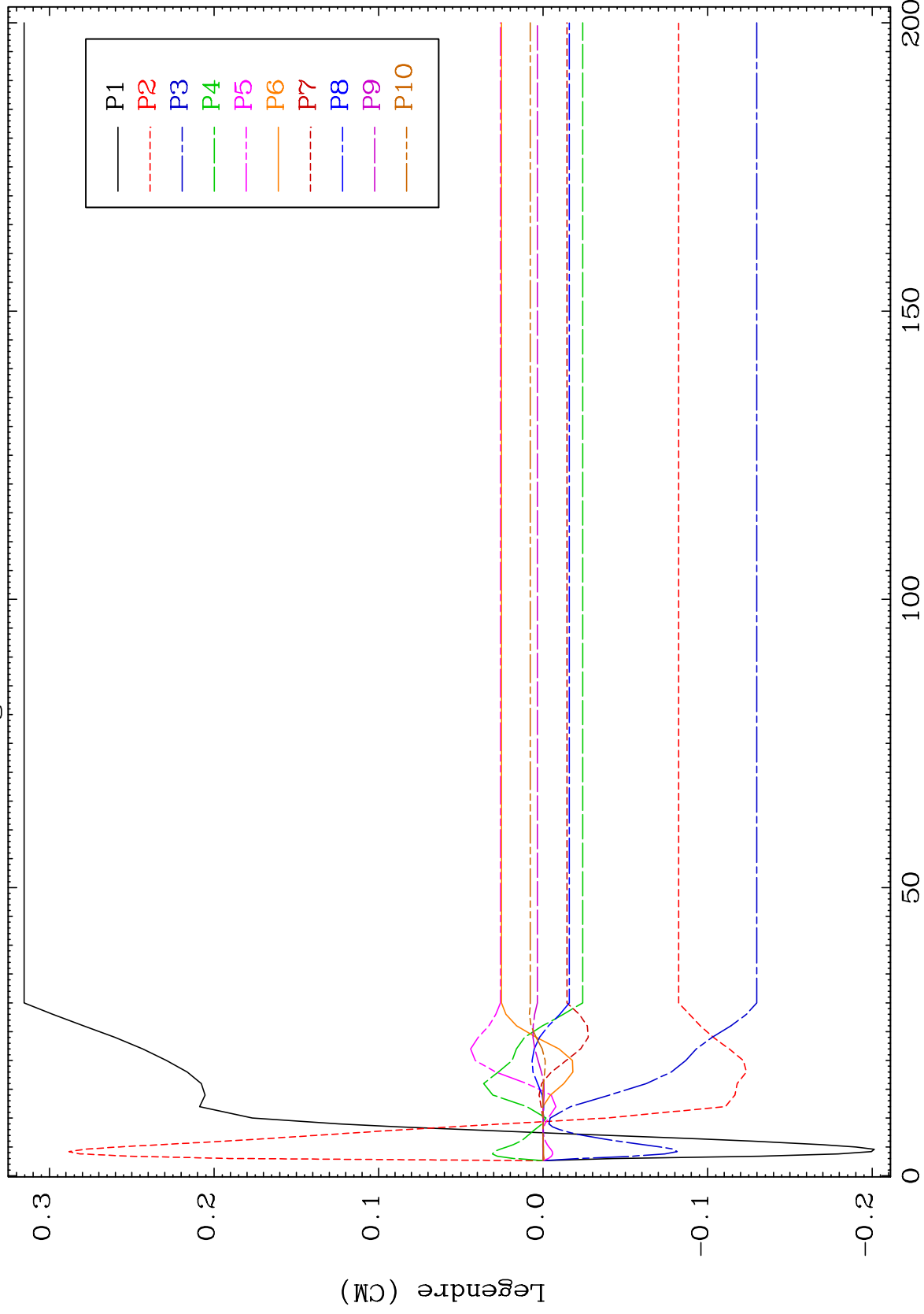




MAT 8604

2.597 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



86

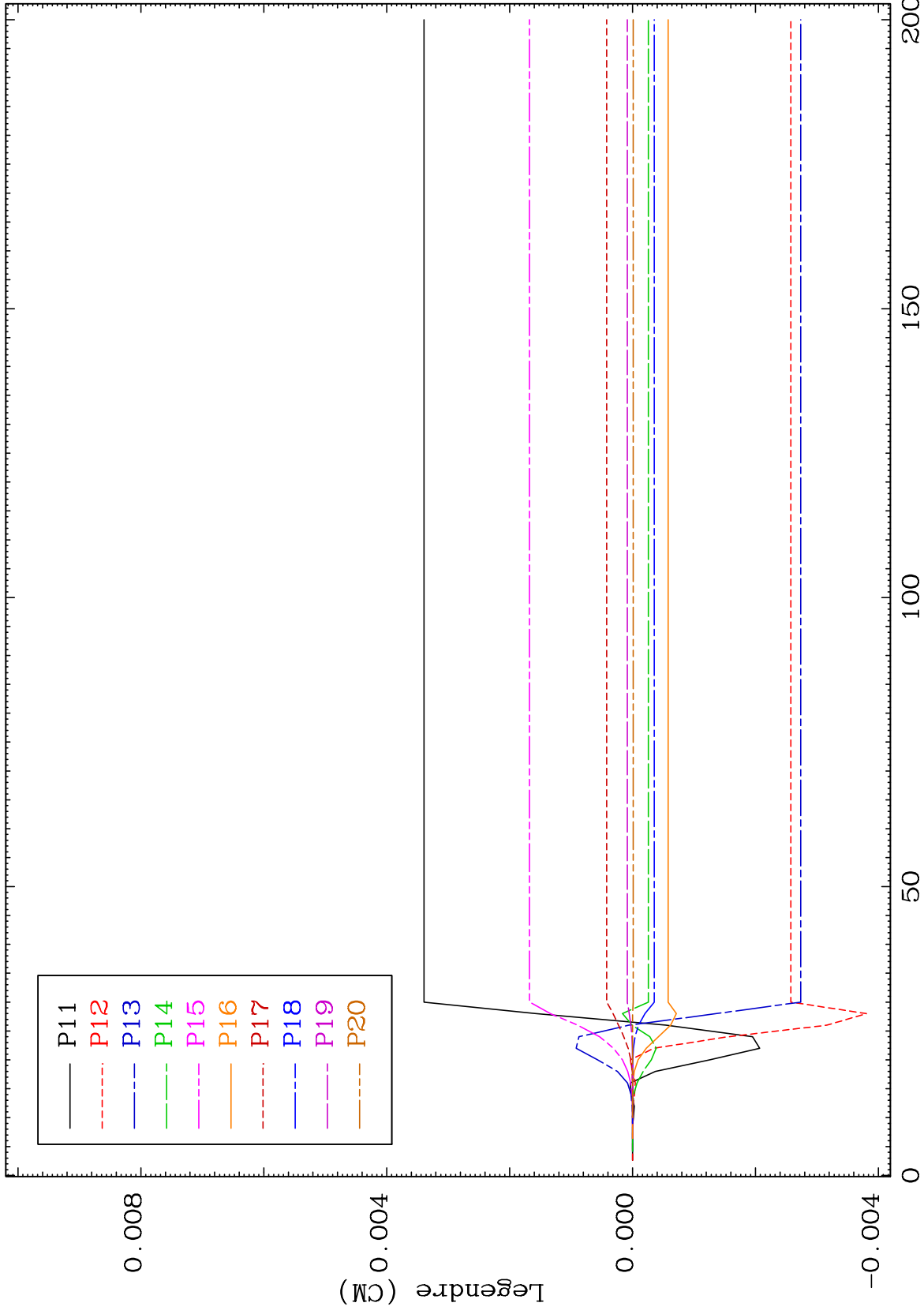
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.597 MeV (n,n') Level
Legendre Coefficients

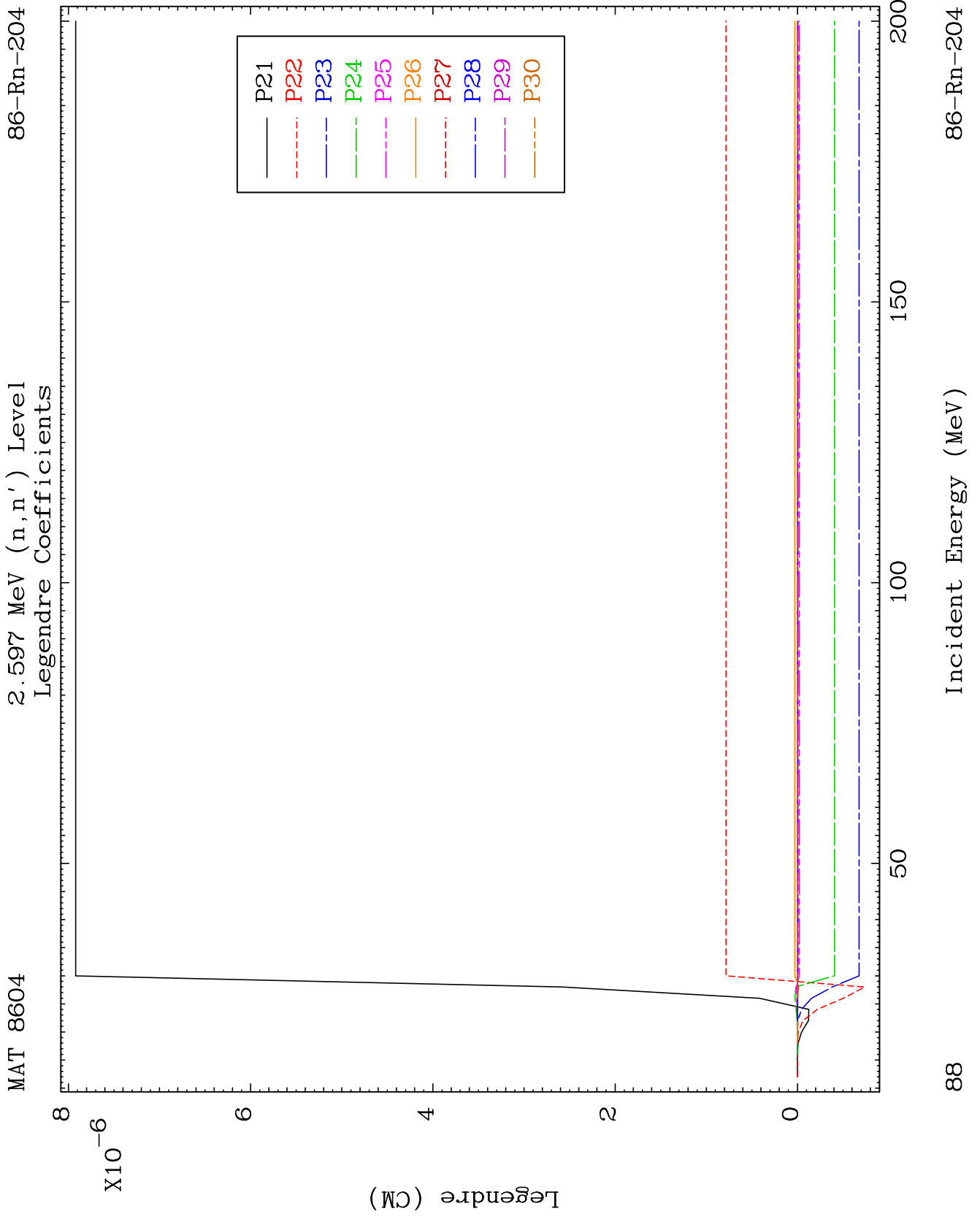
86-Rn-204

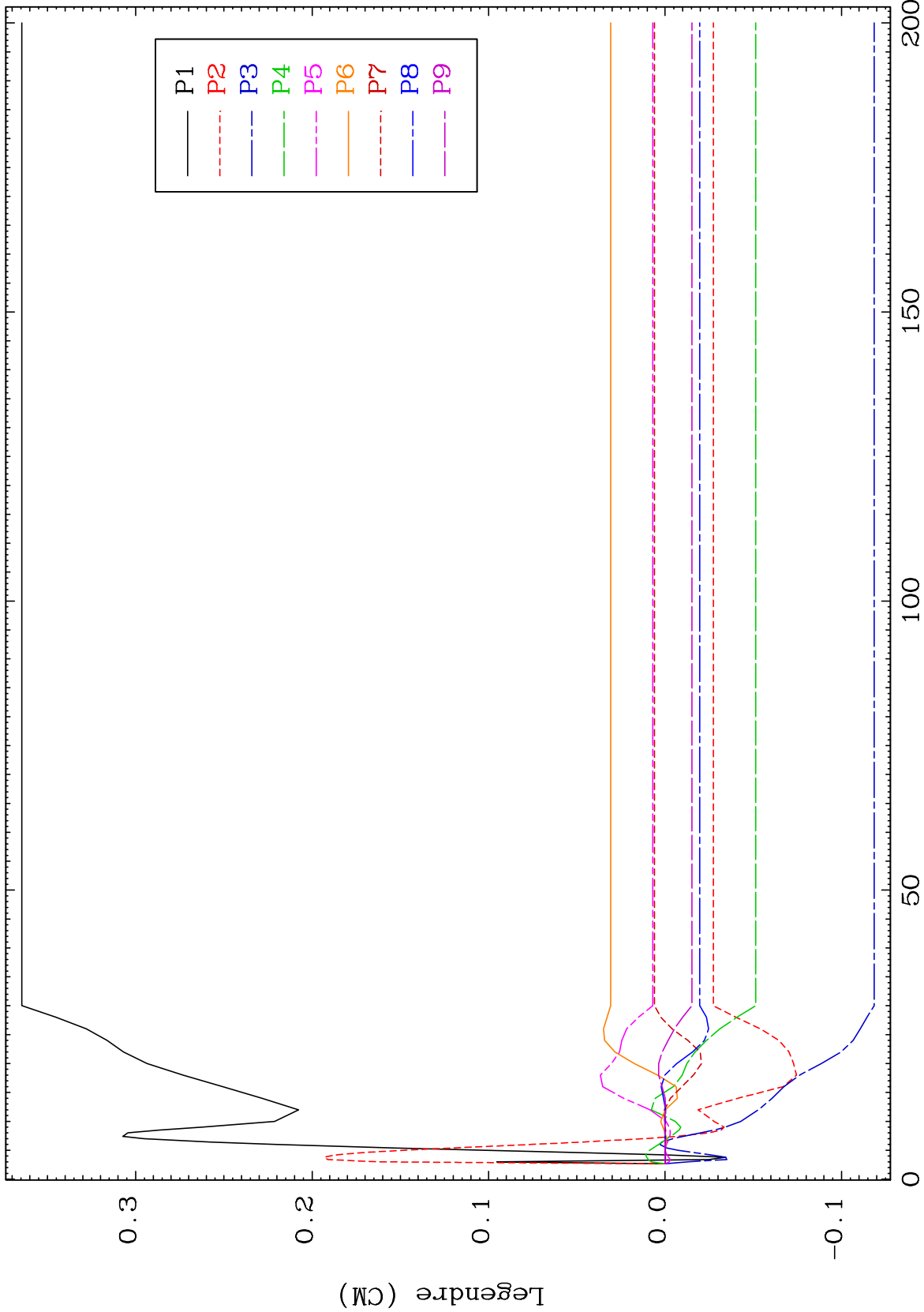


87

Incident Energy (MeV)

86-Rn-204

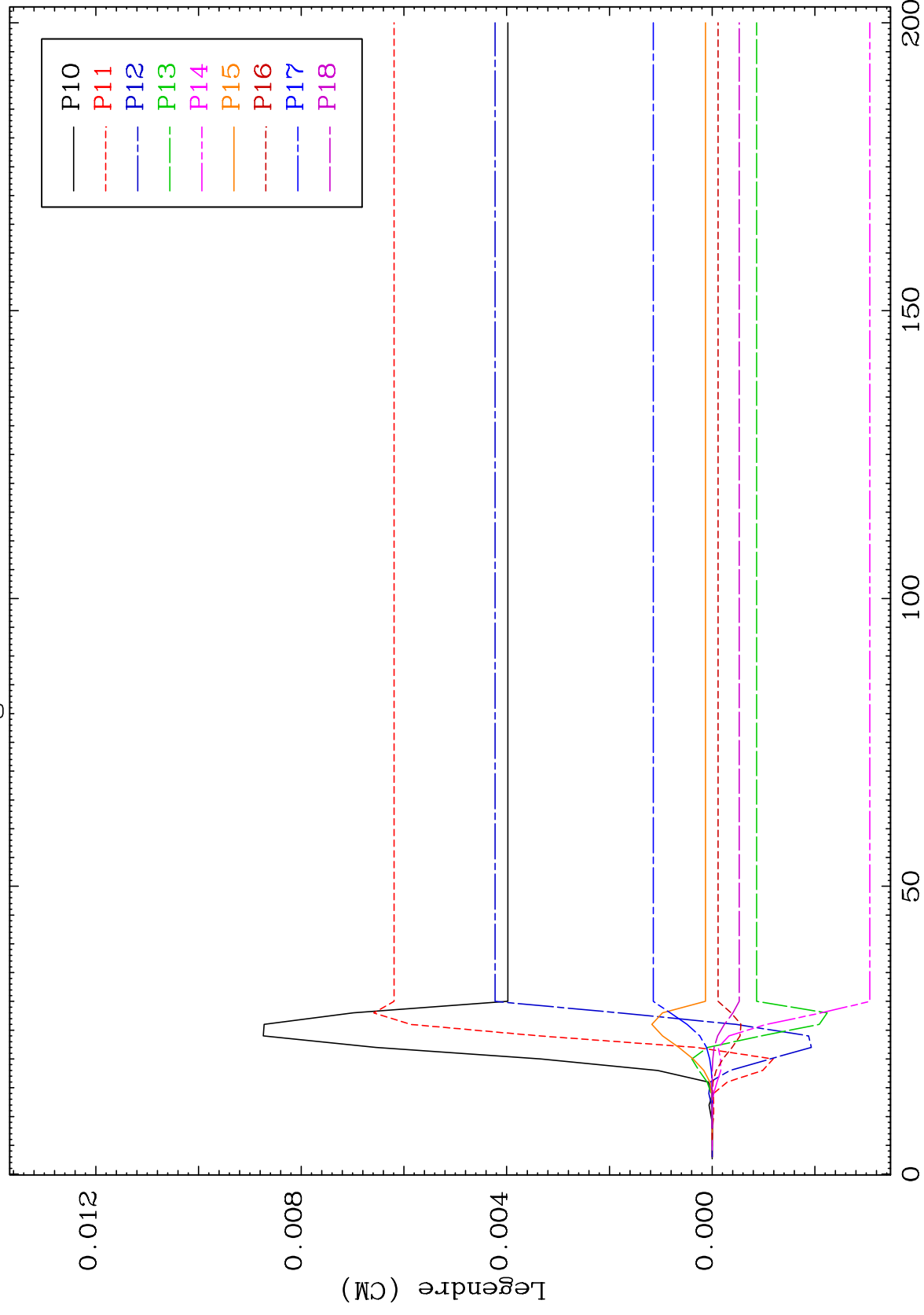




MAT 8604

2.637 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



90

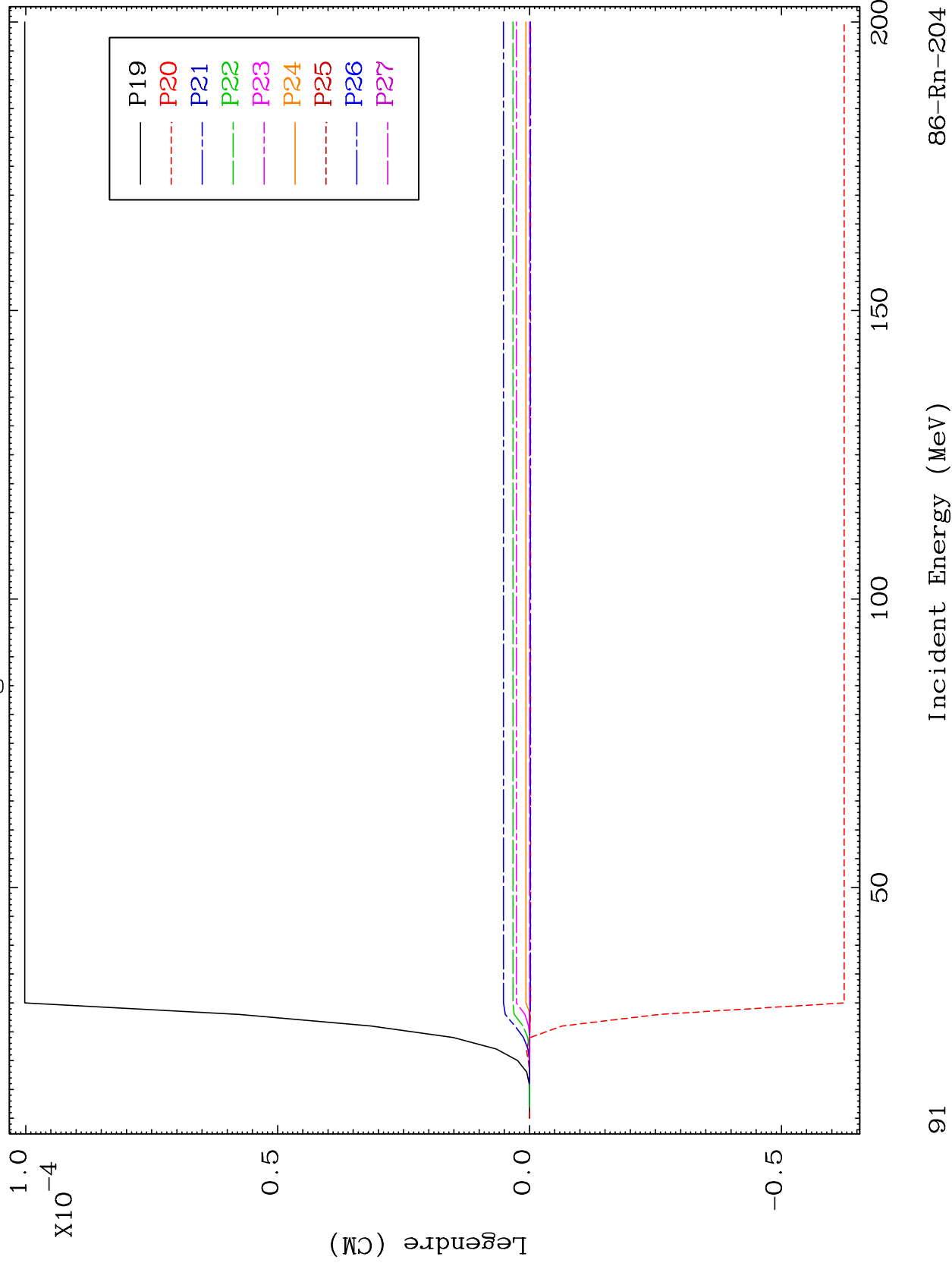
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.637 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



91

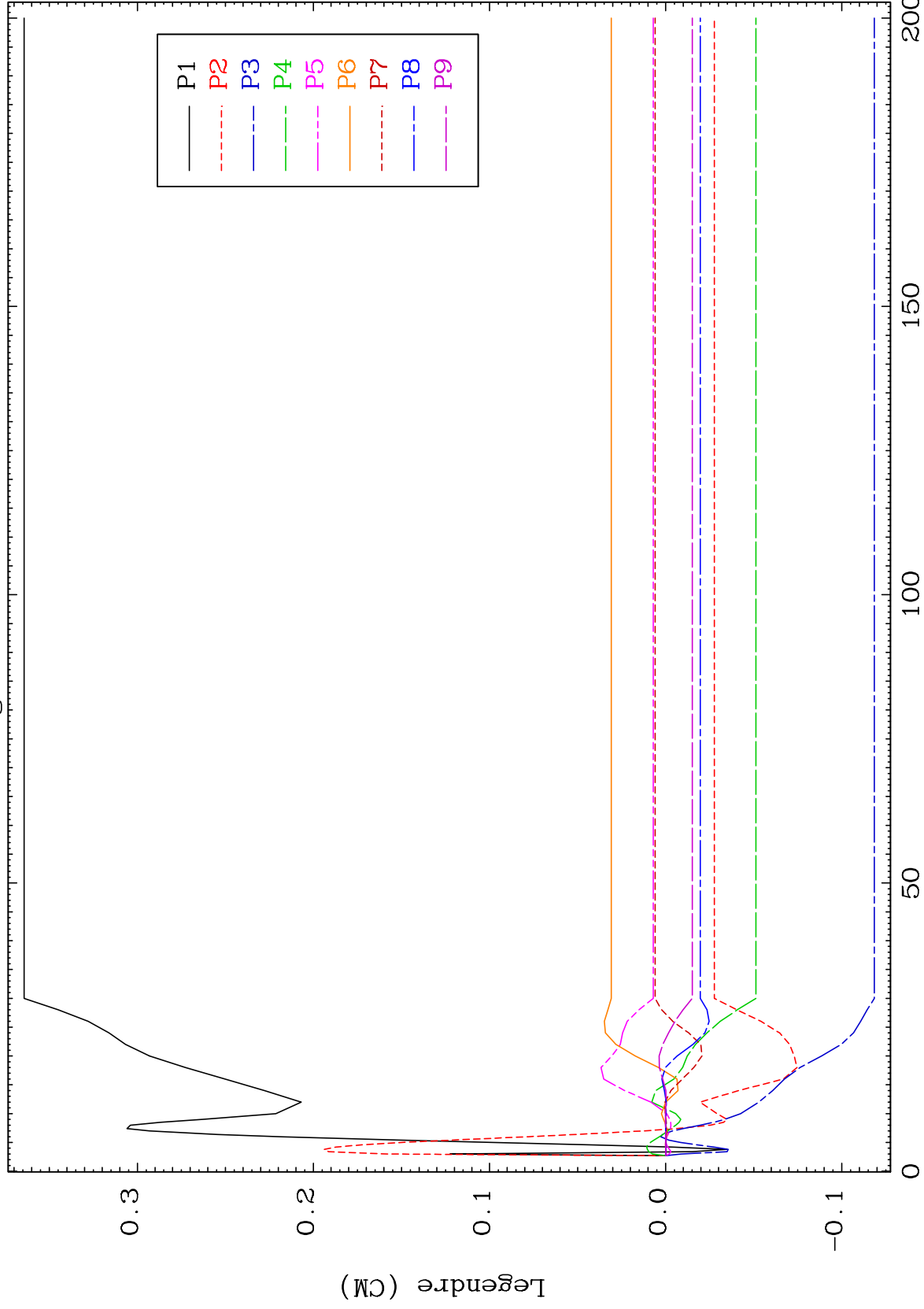
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.681 MeV (n,n') Level
Legendre Coefficients

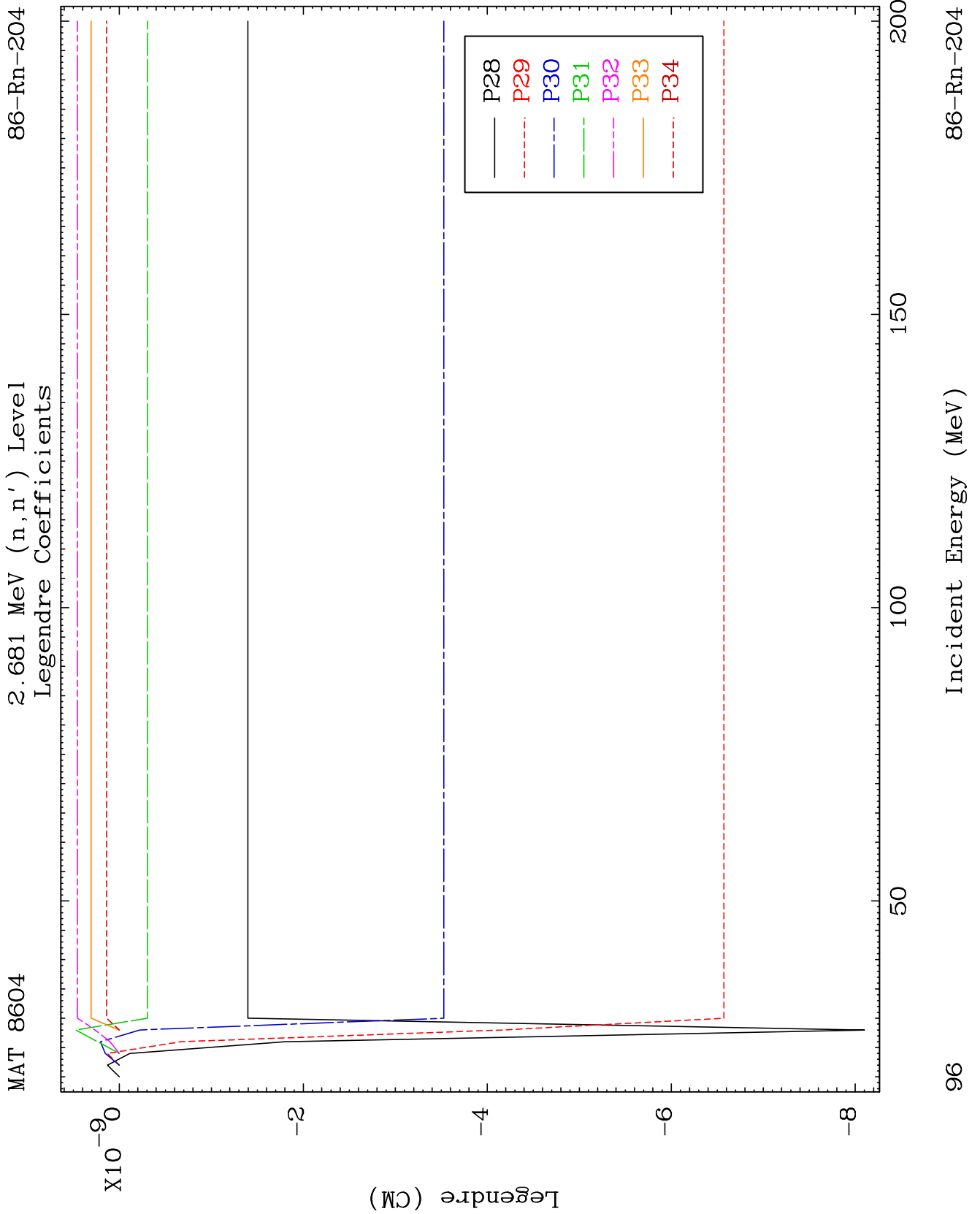
86-Rn-204



93

Incident Energy (MeV)

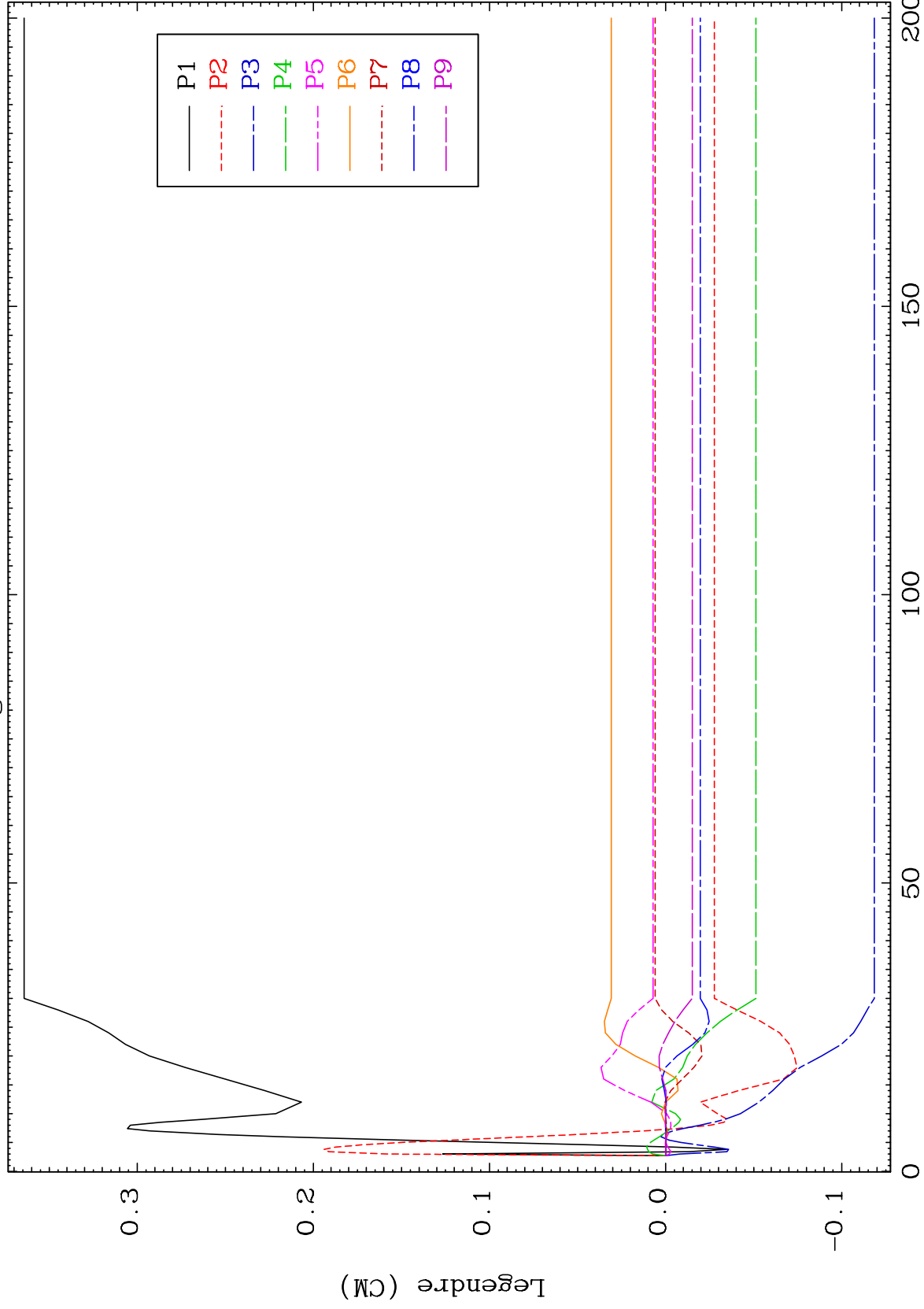
86-Rn-204



MAT 8604

2.688 MeV (n,n') Level
Legendre Coefficients

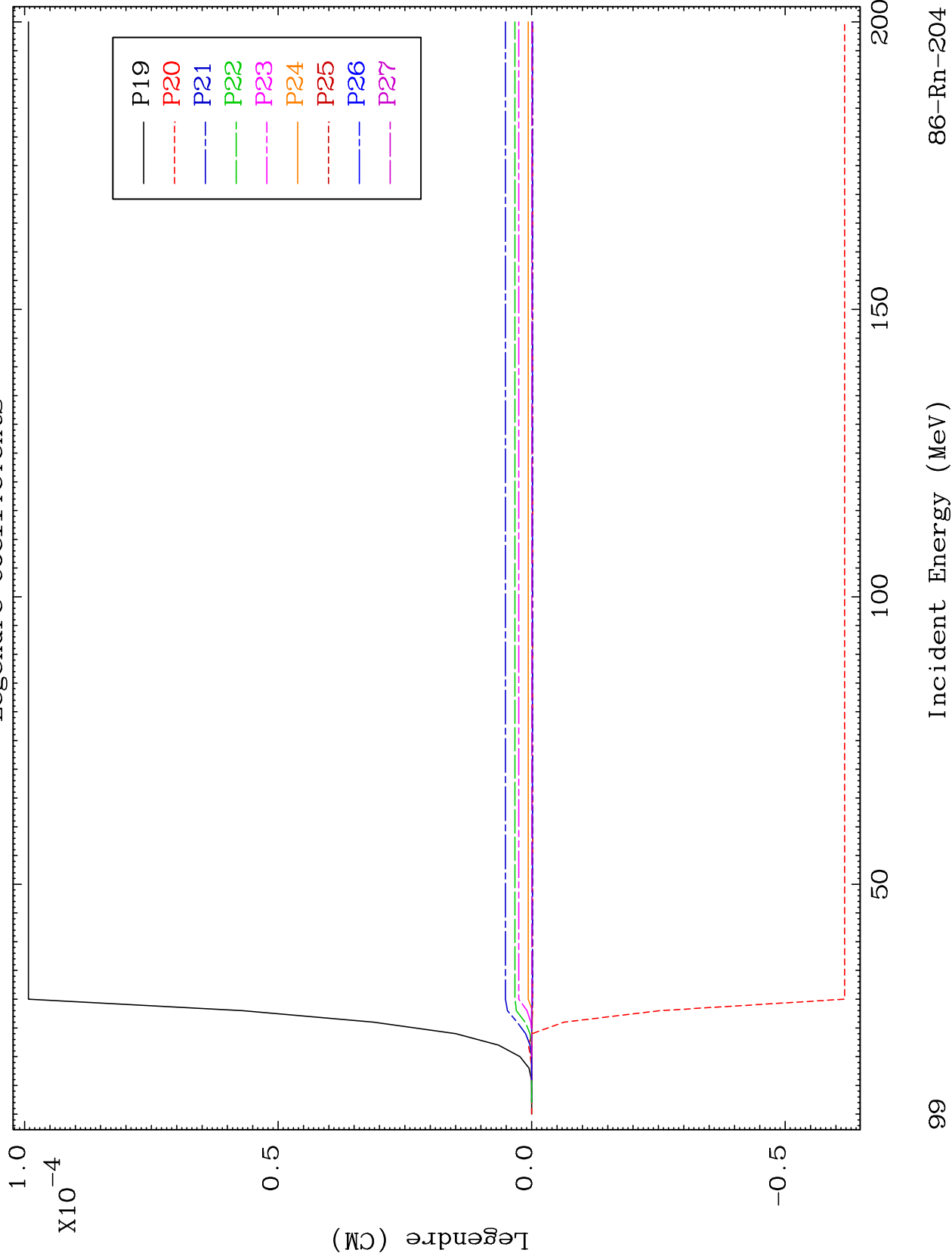
86-Rn-204

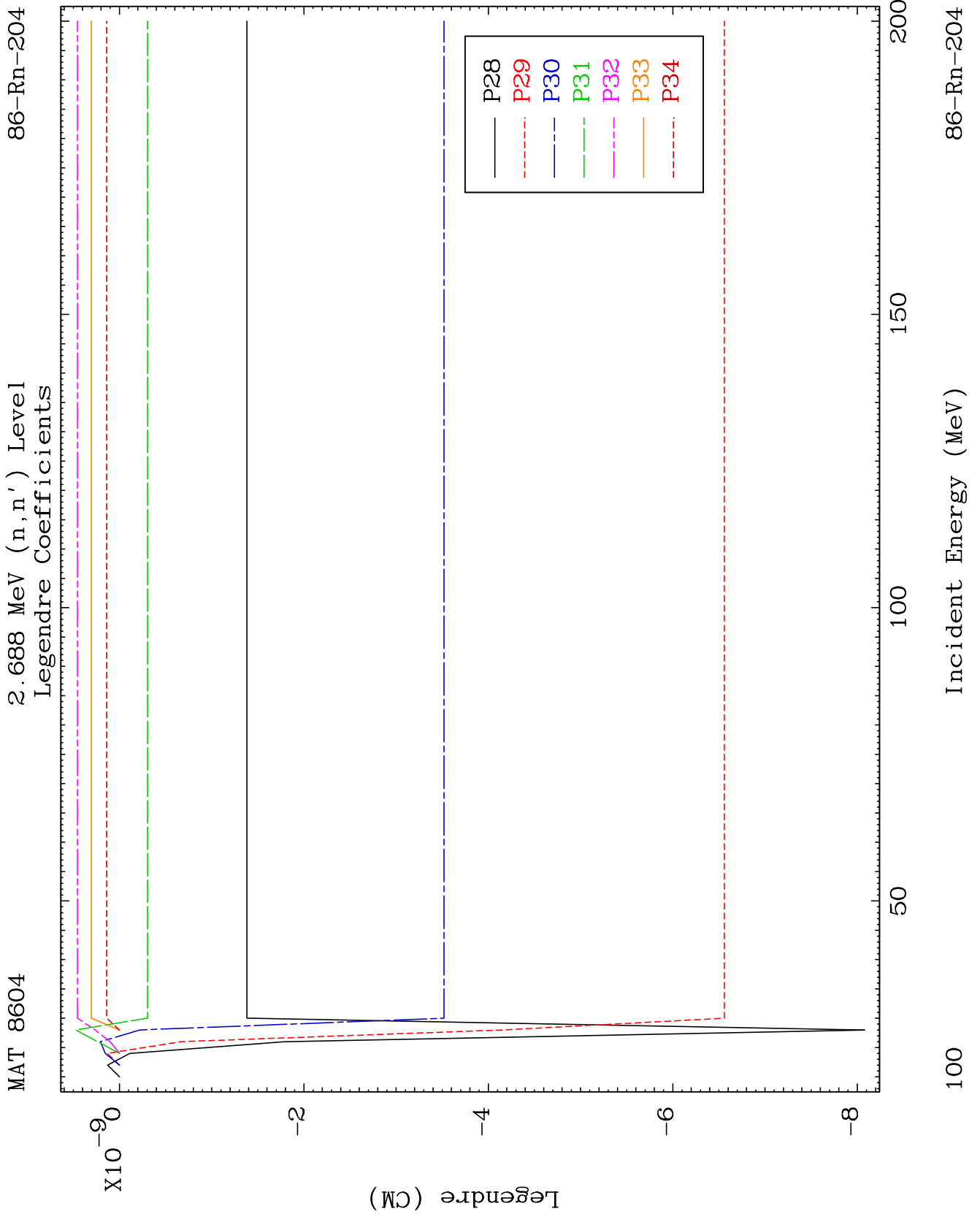


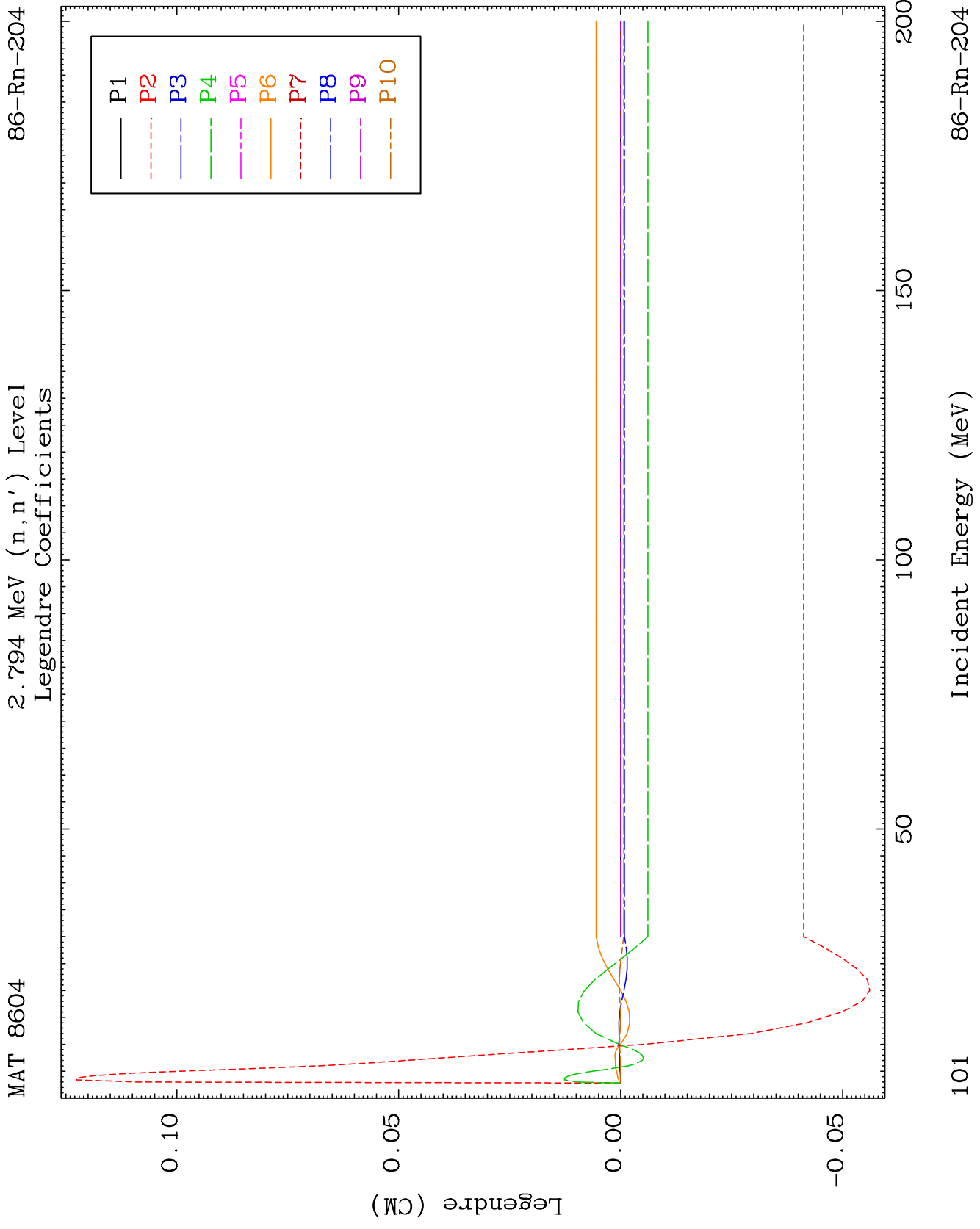
97

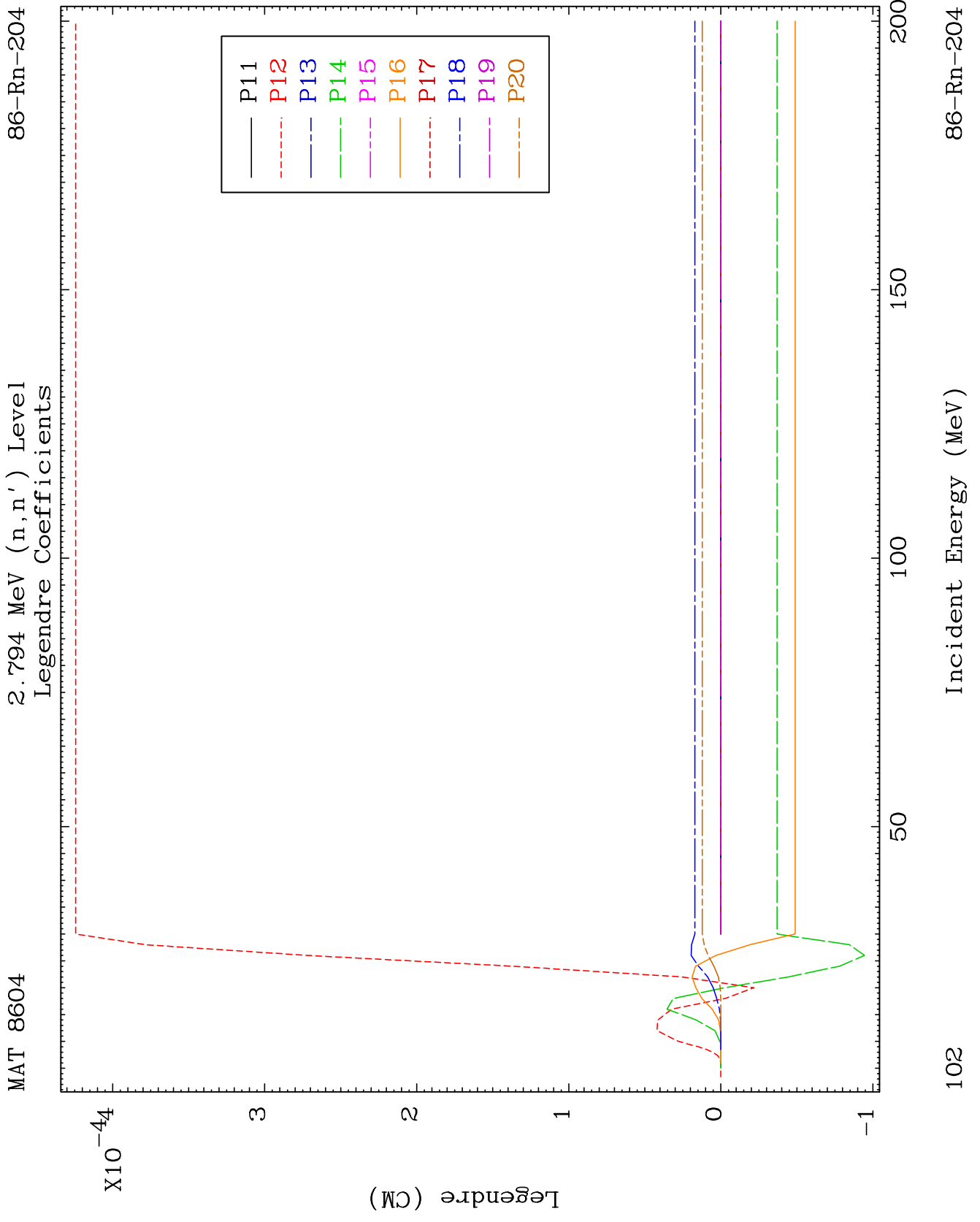
Incident Energy (MeV)

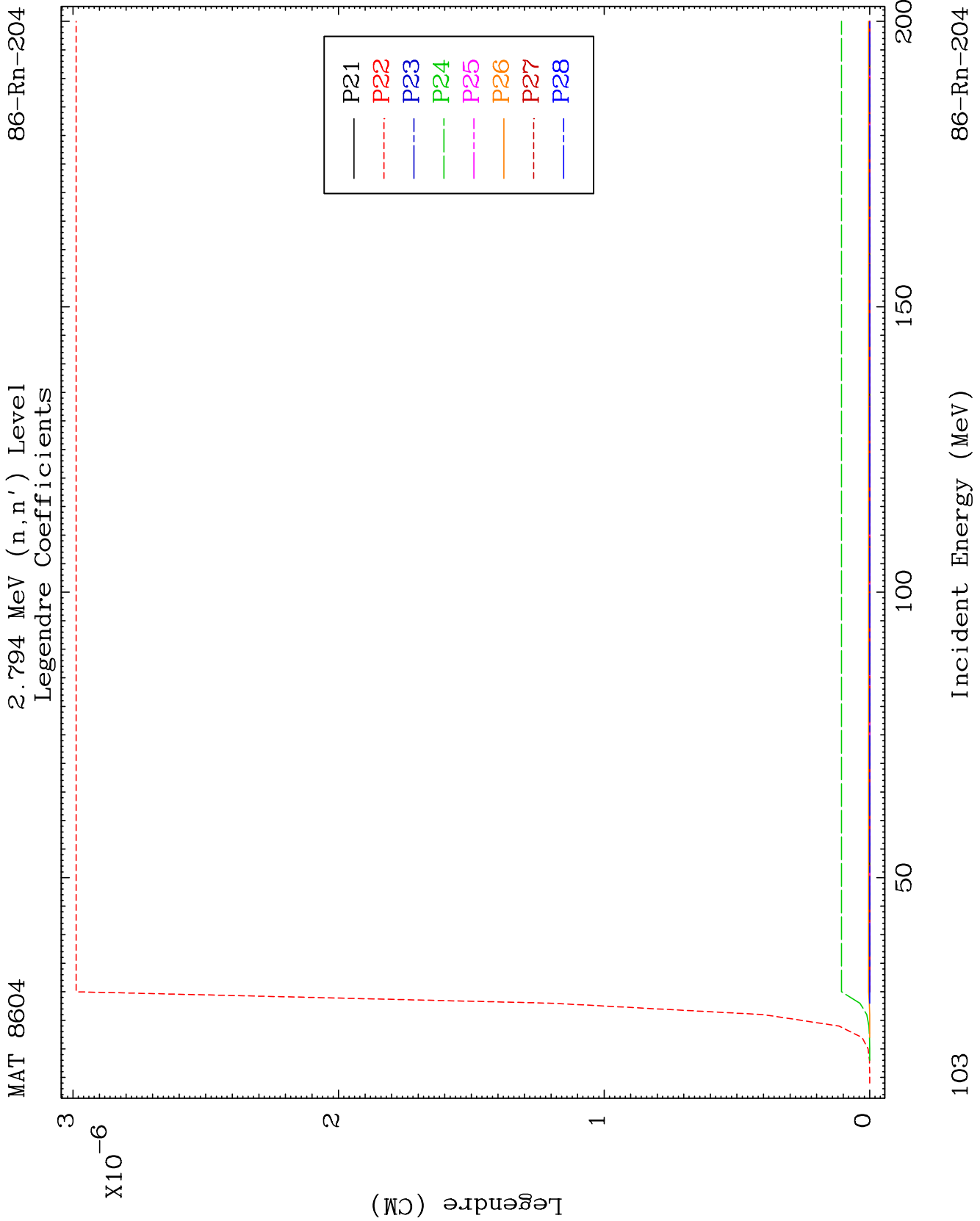
86-Rn-204







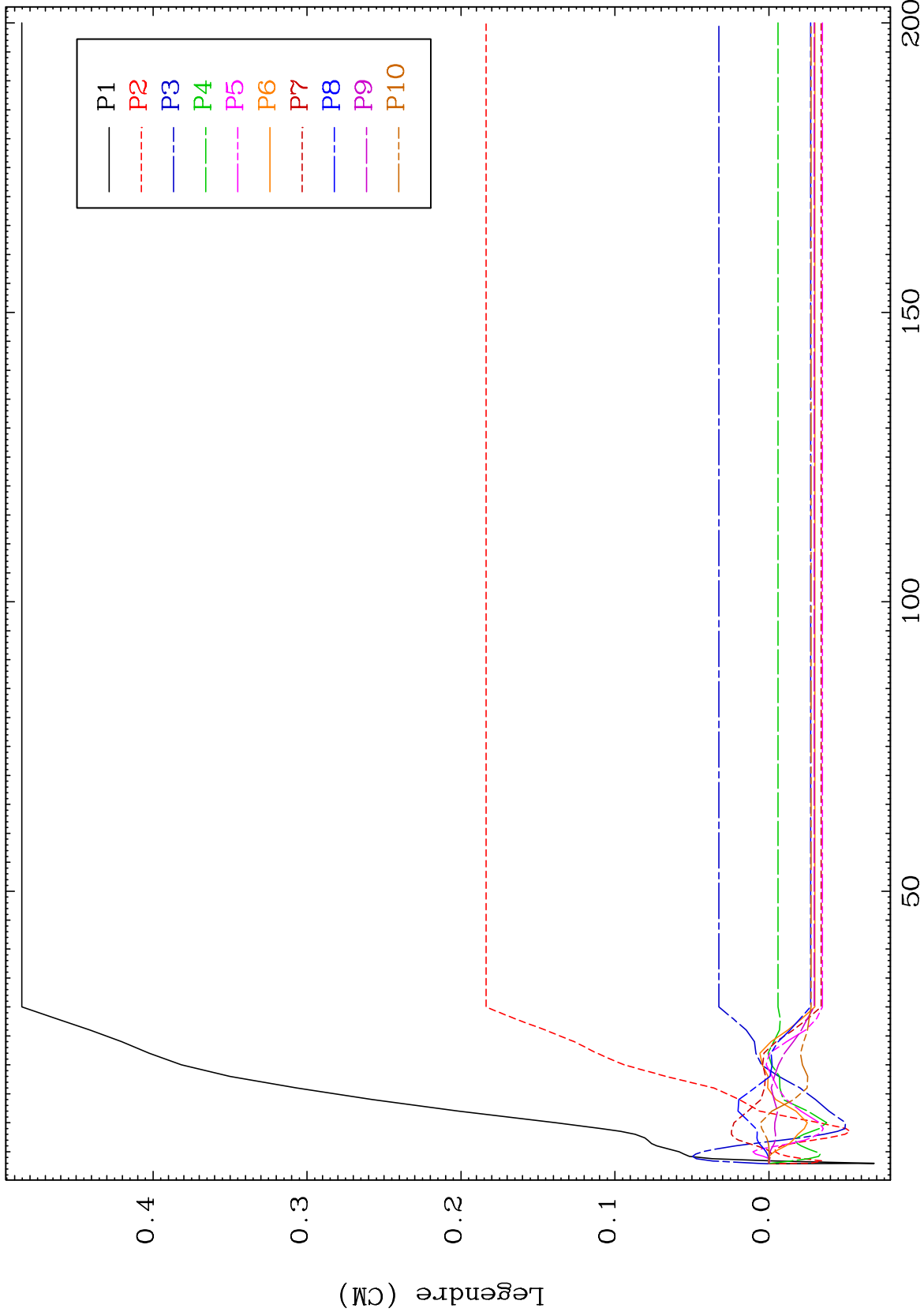




MAT 8604

2.885 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



104

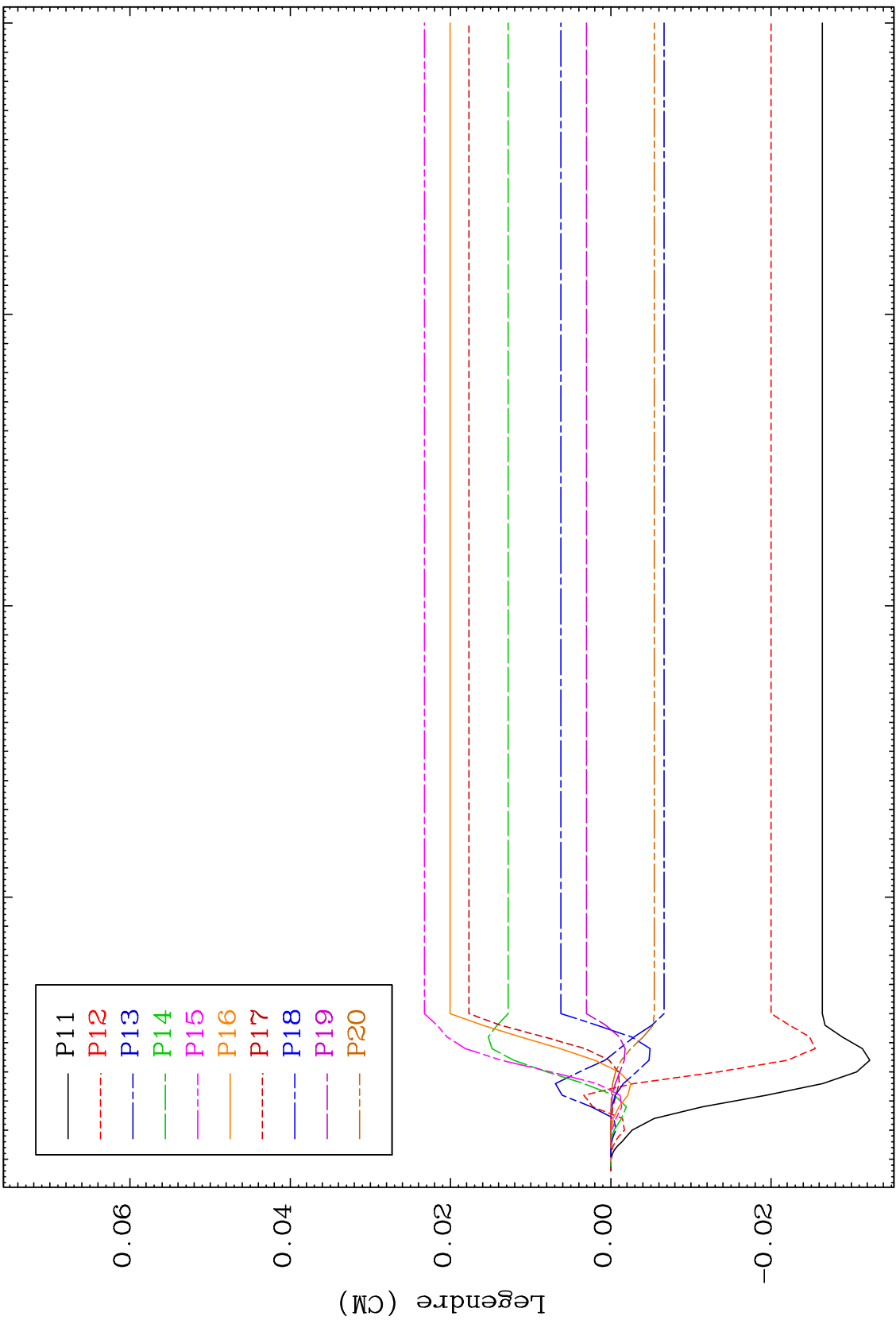
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.885 MeV (n,n') Level
Legendre Coefficients

86-Rn-204



105

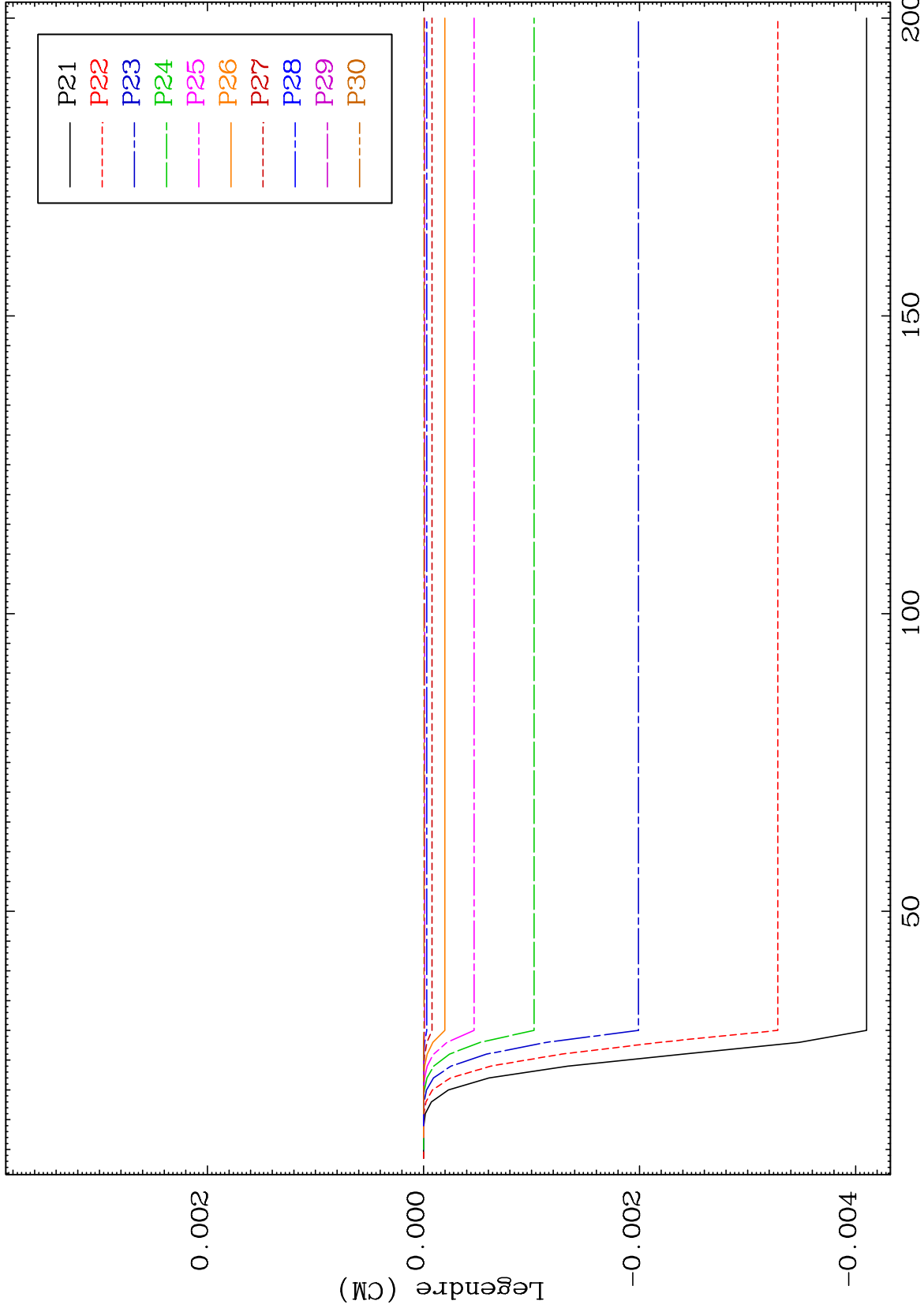
Incident Energy (MeV)

86-Rn-204

MAT 8604

2.885 MeV (n,n') Level
Legendre Coefficients

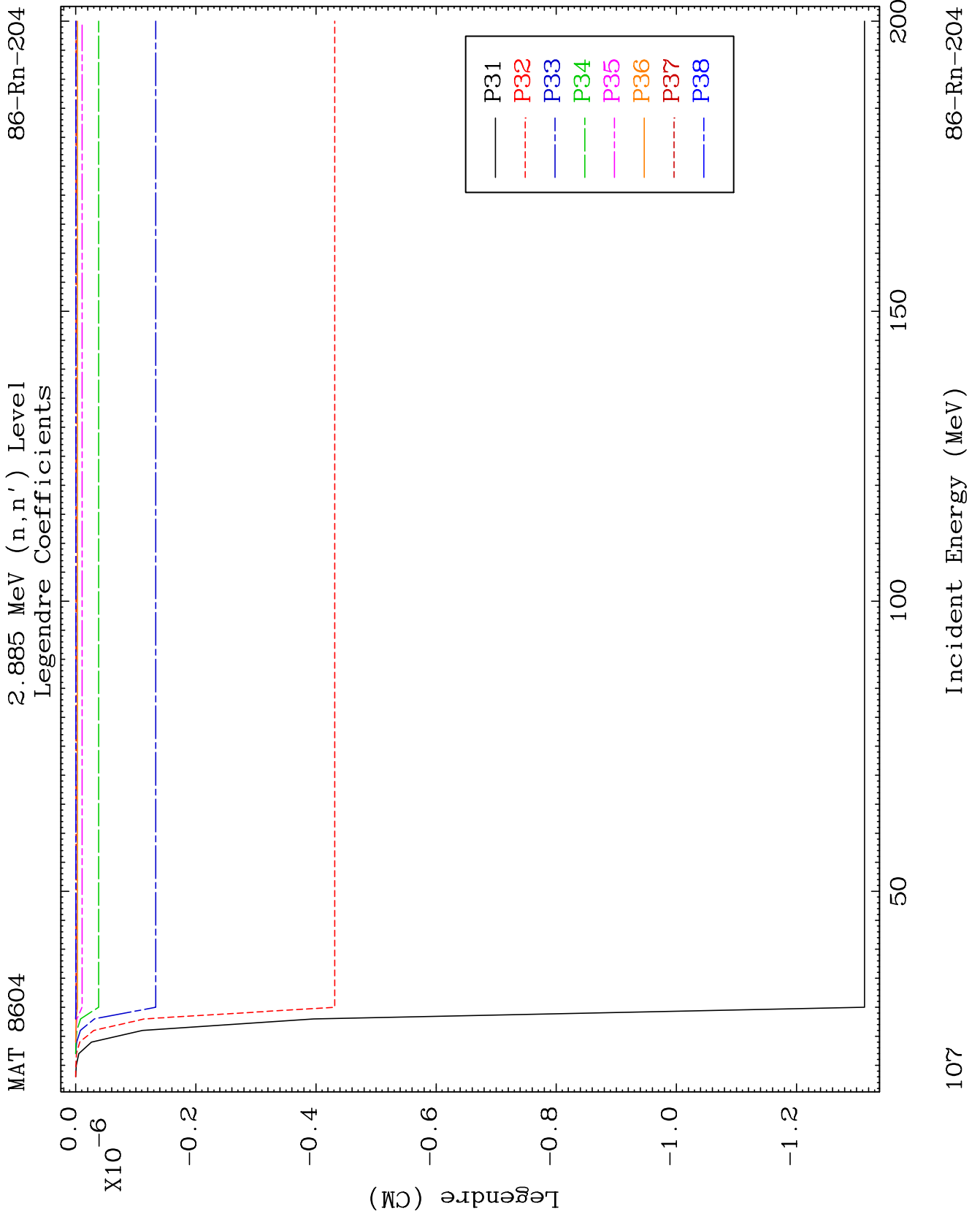
86-Rn-204

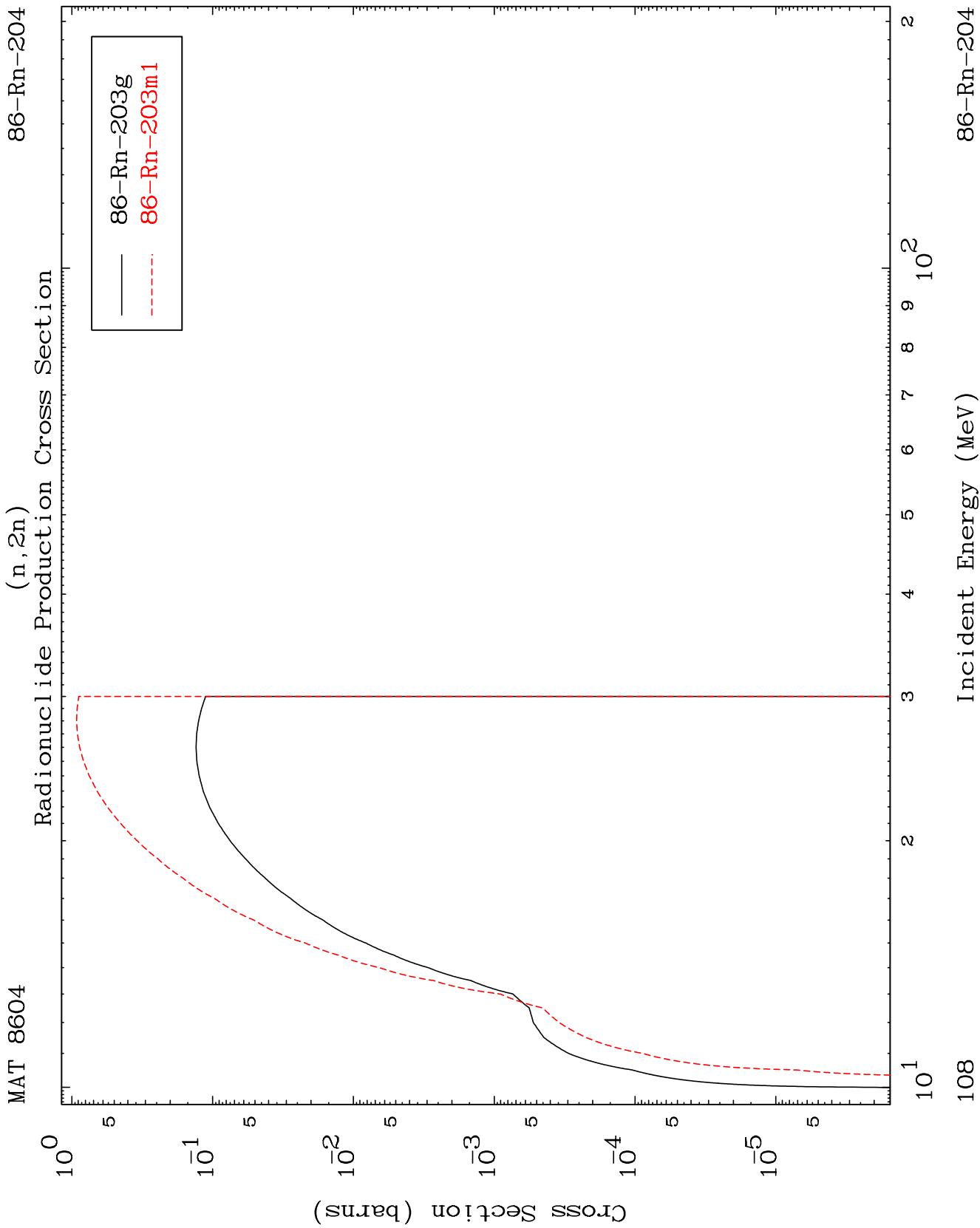


106

Incident Energy (MeV)

86-Rn-204

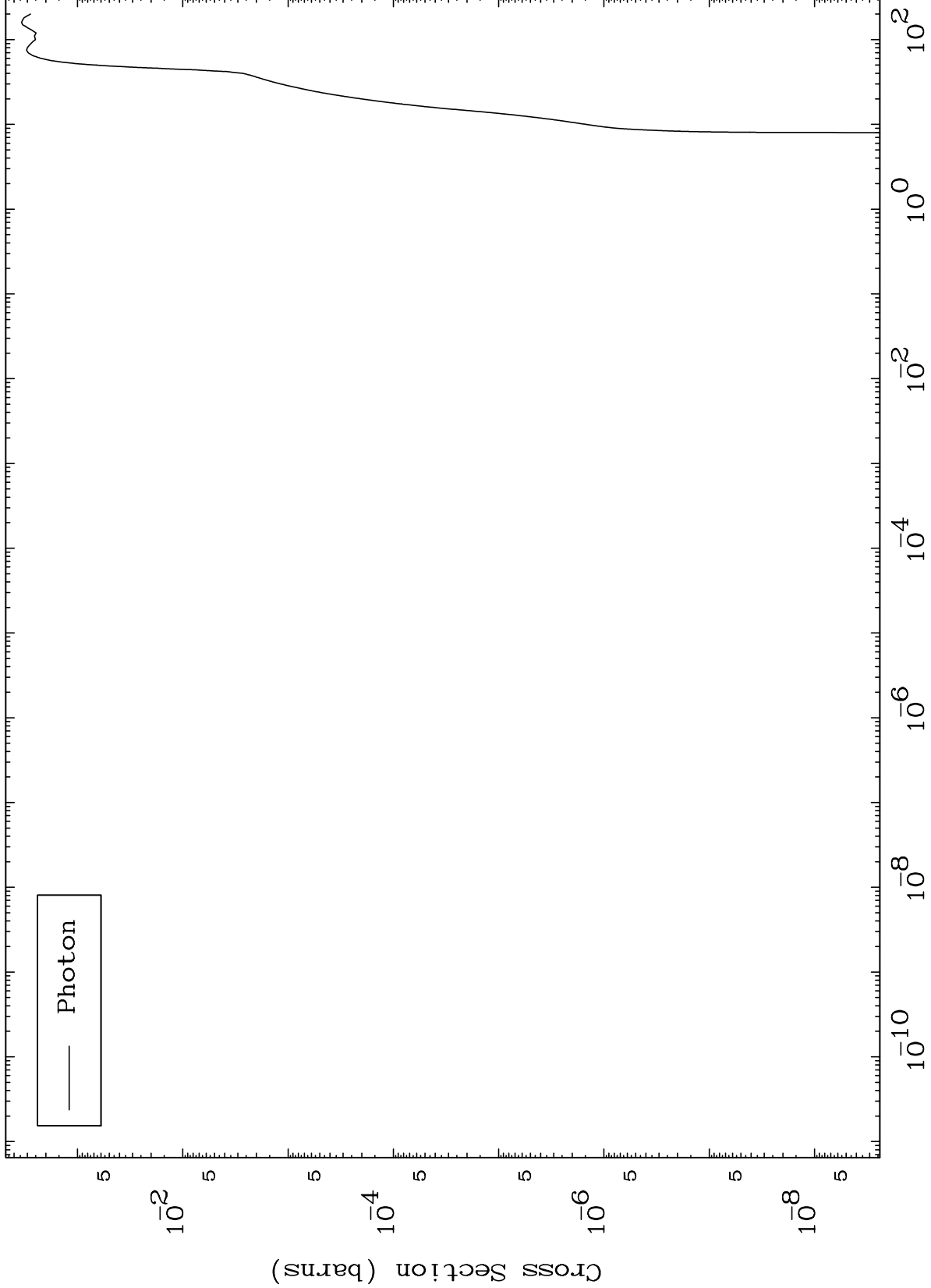




MAT 8604

Fission
Radionuclide Production Cross Section

86-Rn-204



109

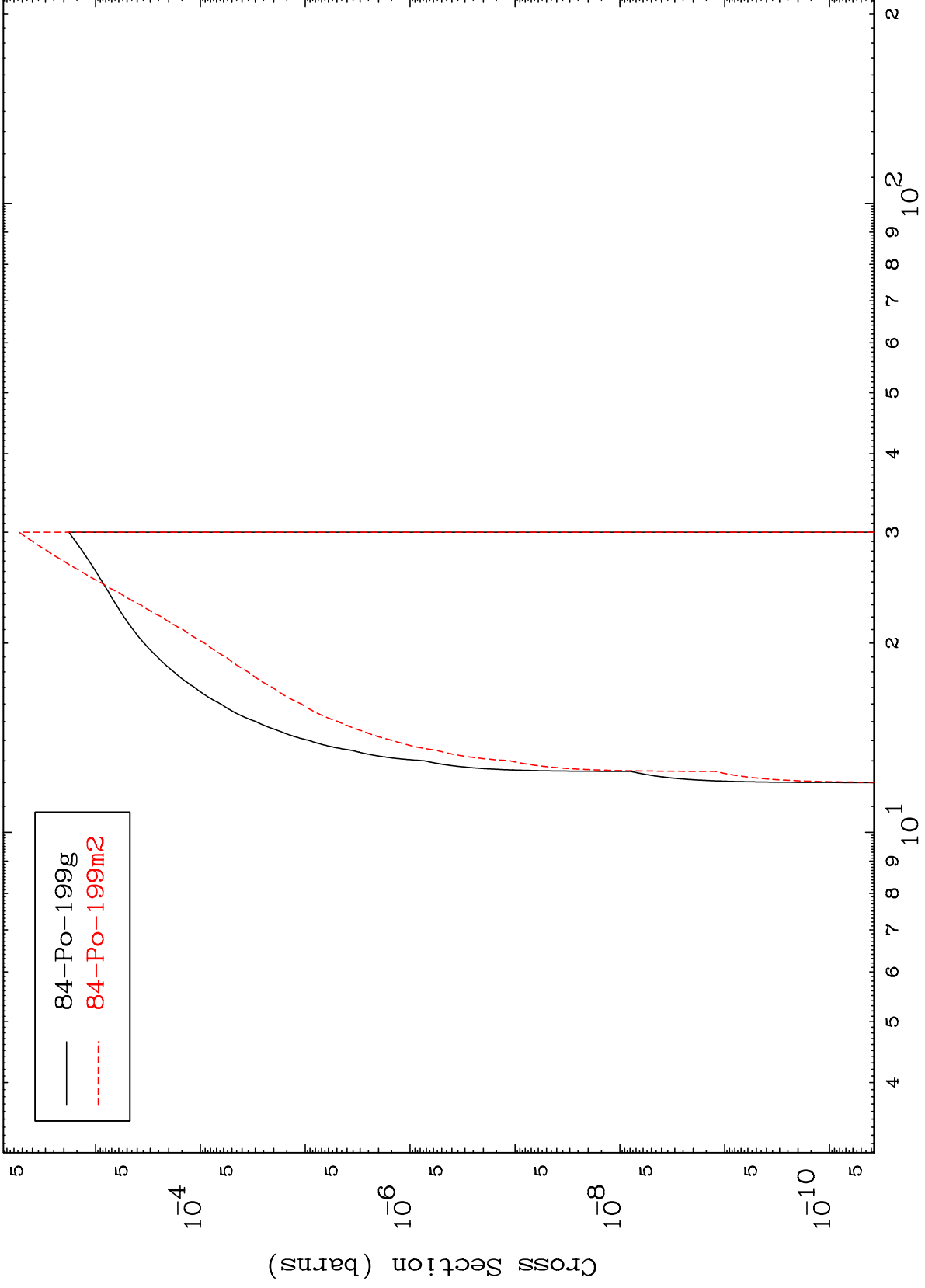
86-Rn-204

MAT 8604

(n,2n) α

86-Rn-204

Radionuclide Production Cross Section



110

Incident Energy (MeV)

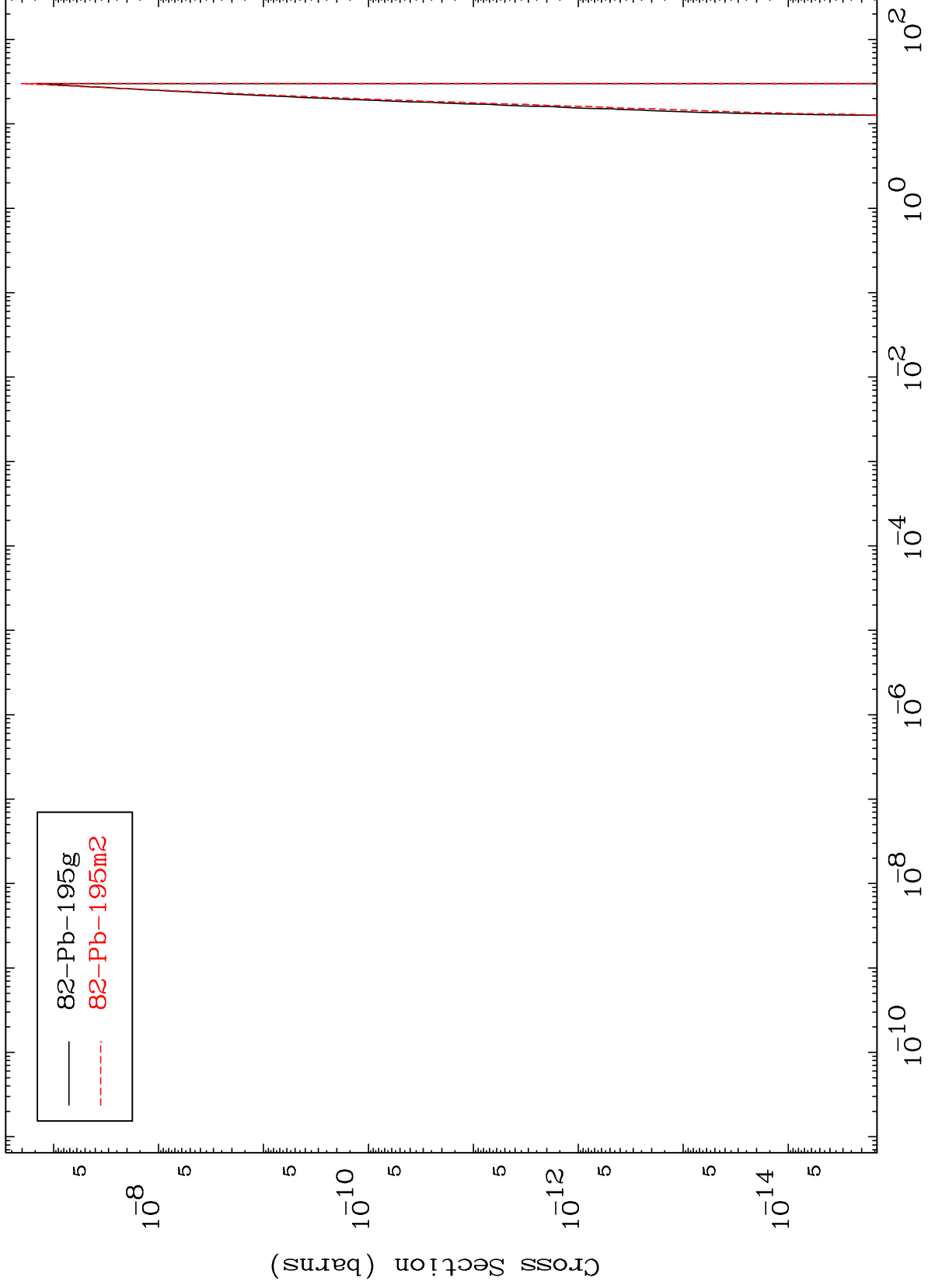
86-Rn-204

MAT 8604

$(n,2n) 2\alpha$

86-Rn-204

Radionuclide Production Cross Section

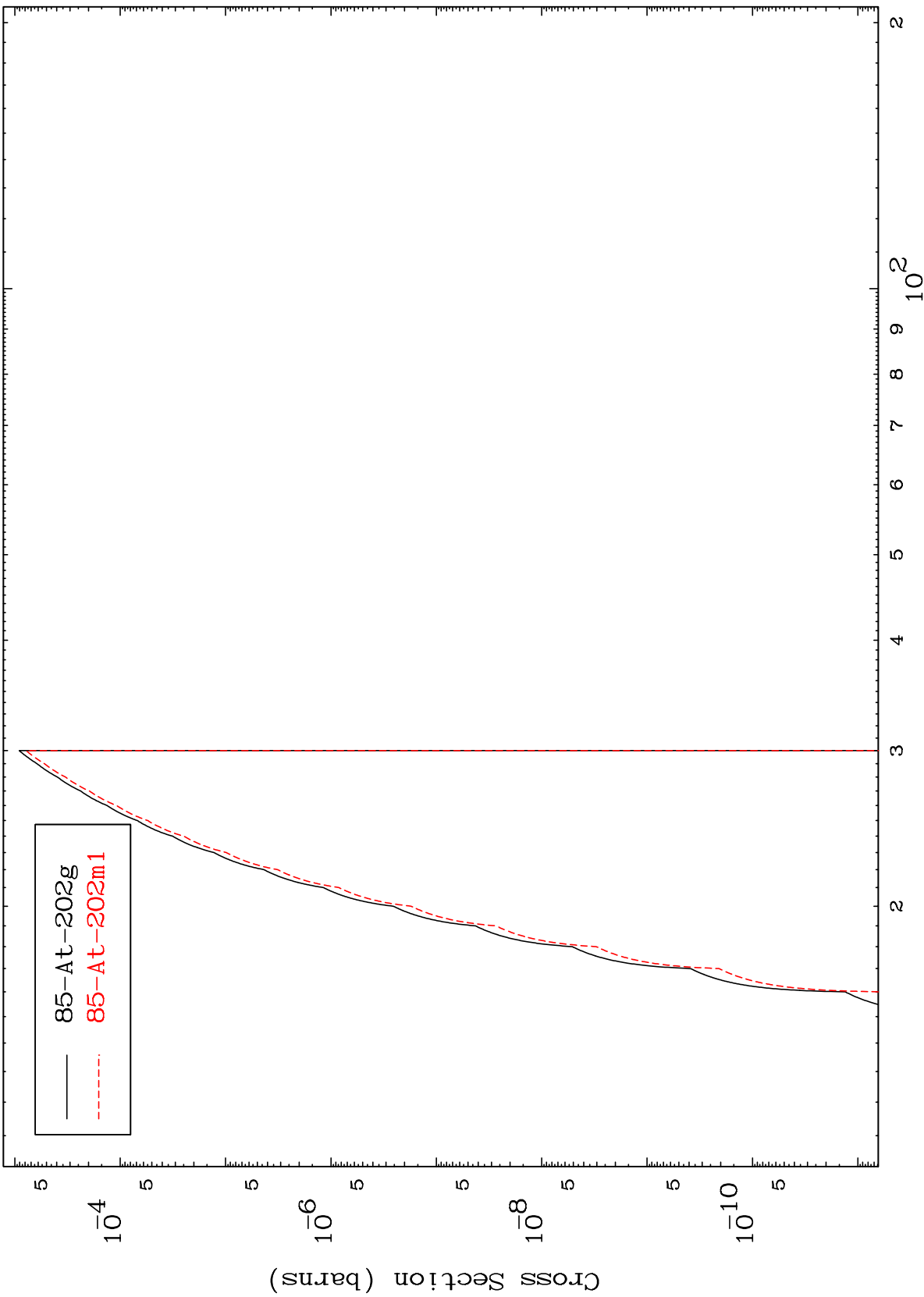


MAT 8604

(n,n') d

86-Rn-204

Radionuclide Production Cross Section



112

Incident Energy (MeV)

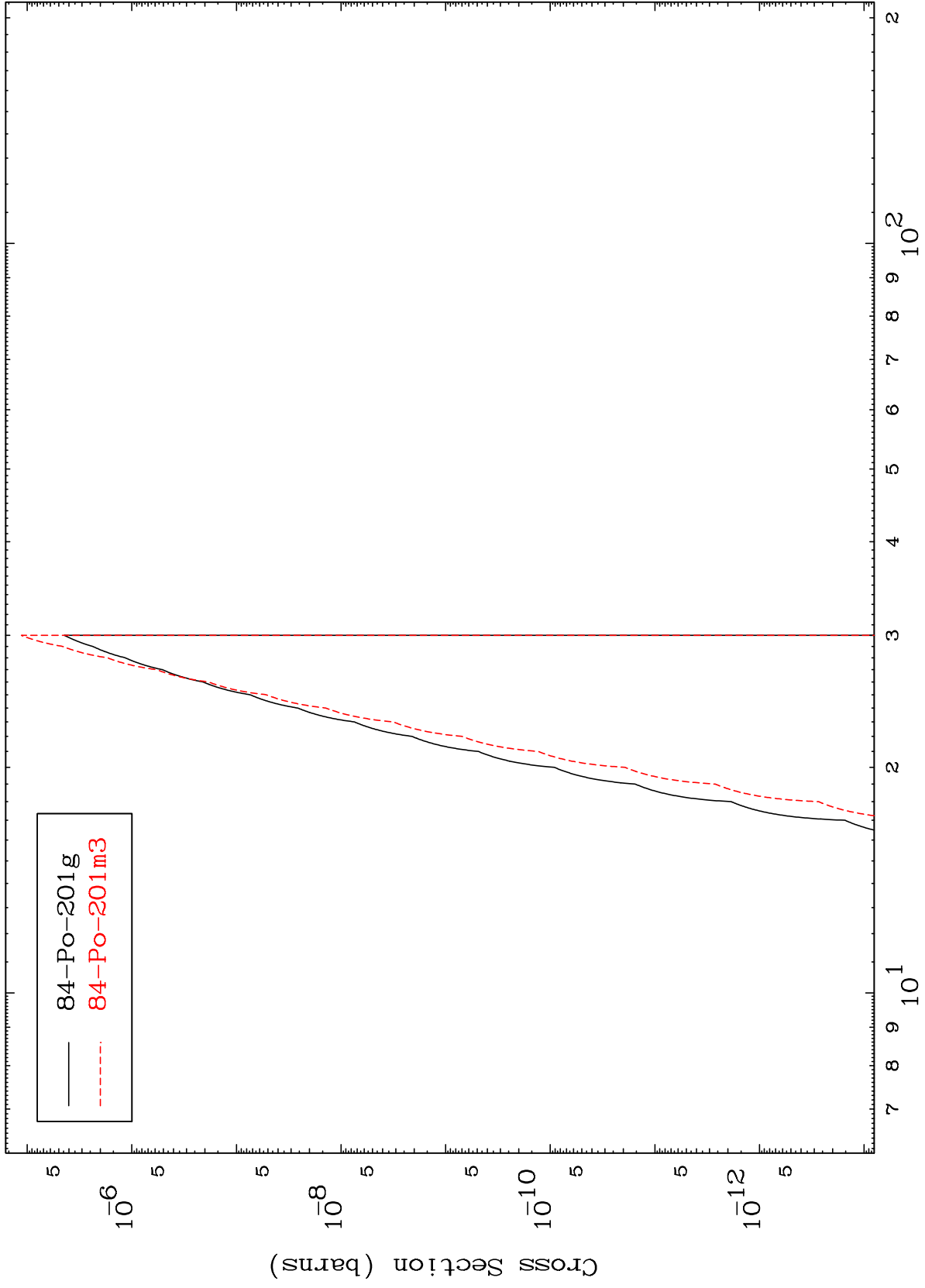
86-Rn-204

MAT 8604

(n,n') He-3

86-Rn-204

Radionuclide Production Cross Section



113

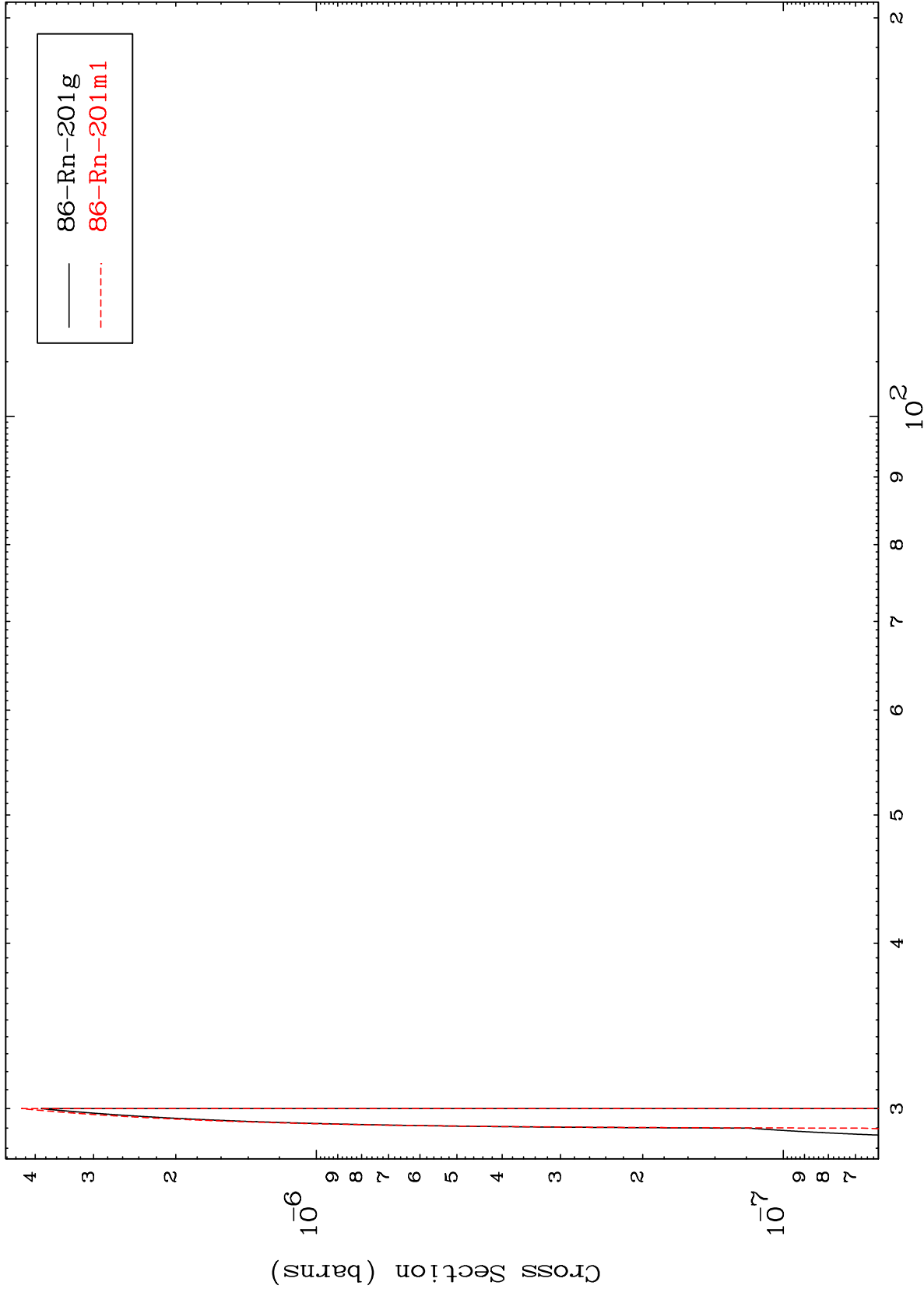
Incident Energy (MeV)

86-Rn-204

MAT 8604

86-Rn-204

(n,4n)
Radionuclide Production Cross Section



114

86-Rn-204

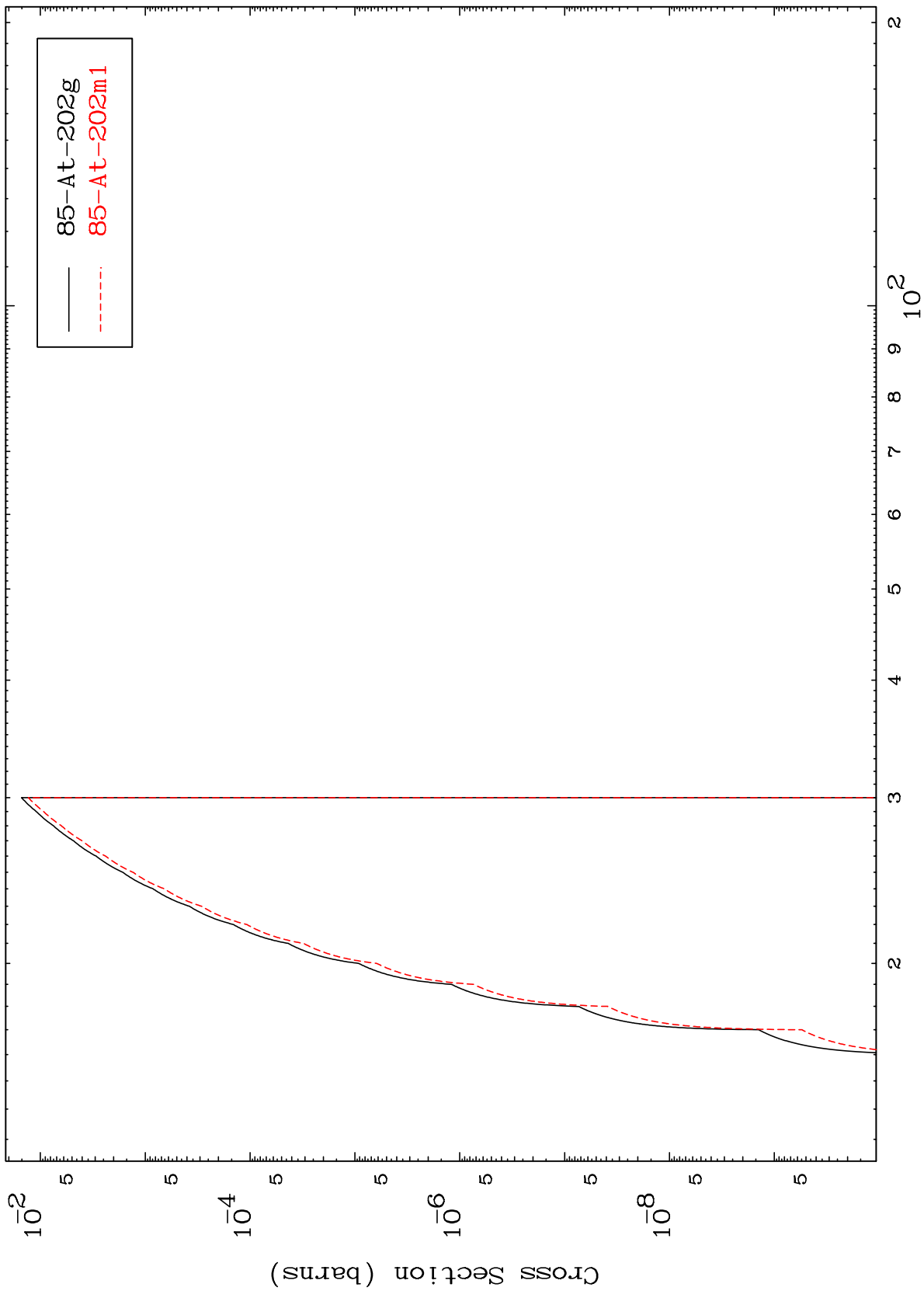
Incident Energy (MeV)

MAT 8604

(n,2n) p

86-Rn-204

Radionuclide Production Cross Section



115

Incident Energy (MeV)

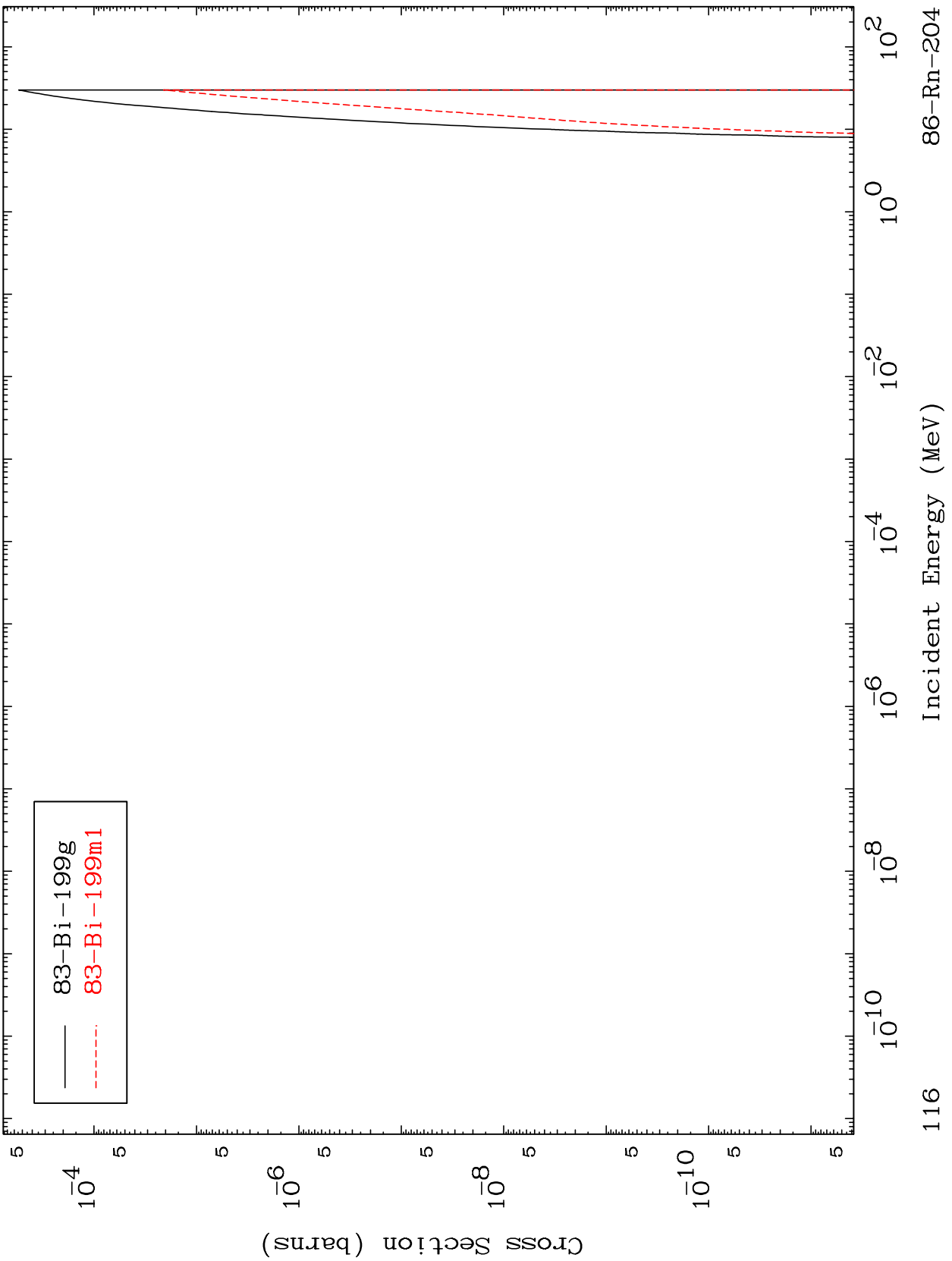
86-Rn-204

MAT 8604

(n,n') p α

86-Rn-204

Radionuclide Production Cross Section

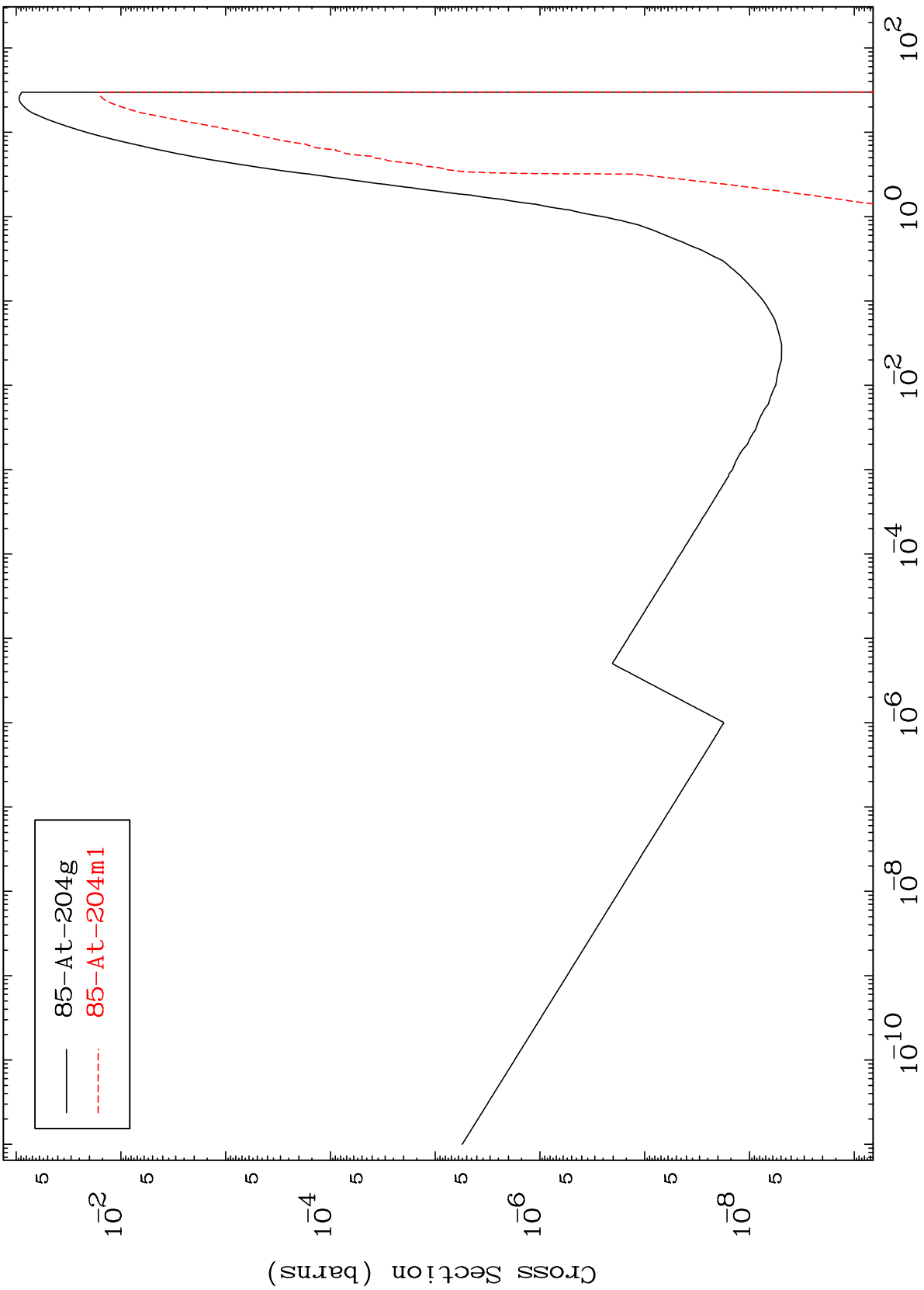
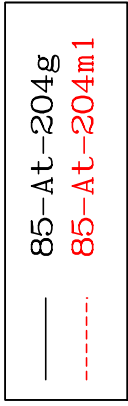


MAT 8604

(n,p)

86-Rn-204

Radionuclide Production Cross Section



117

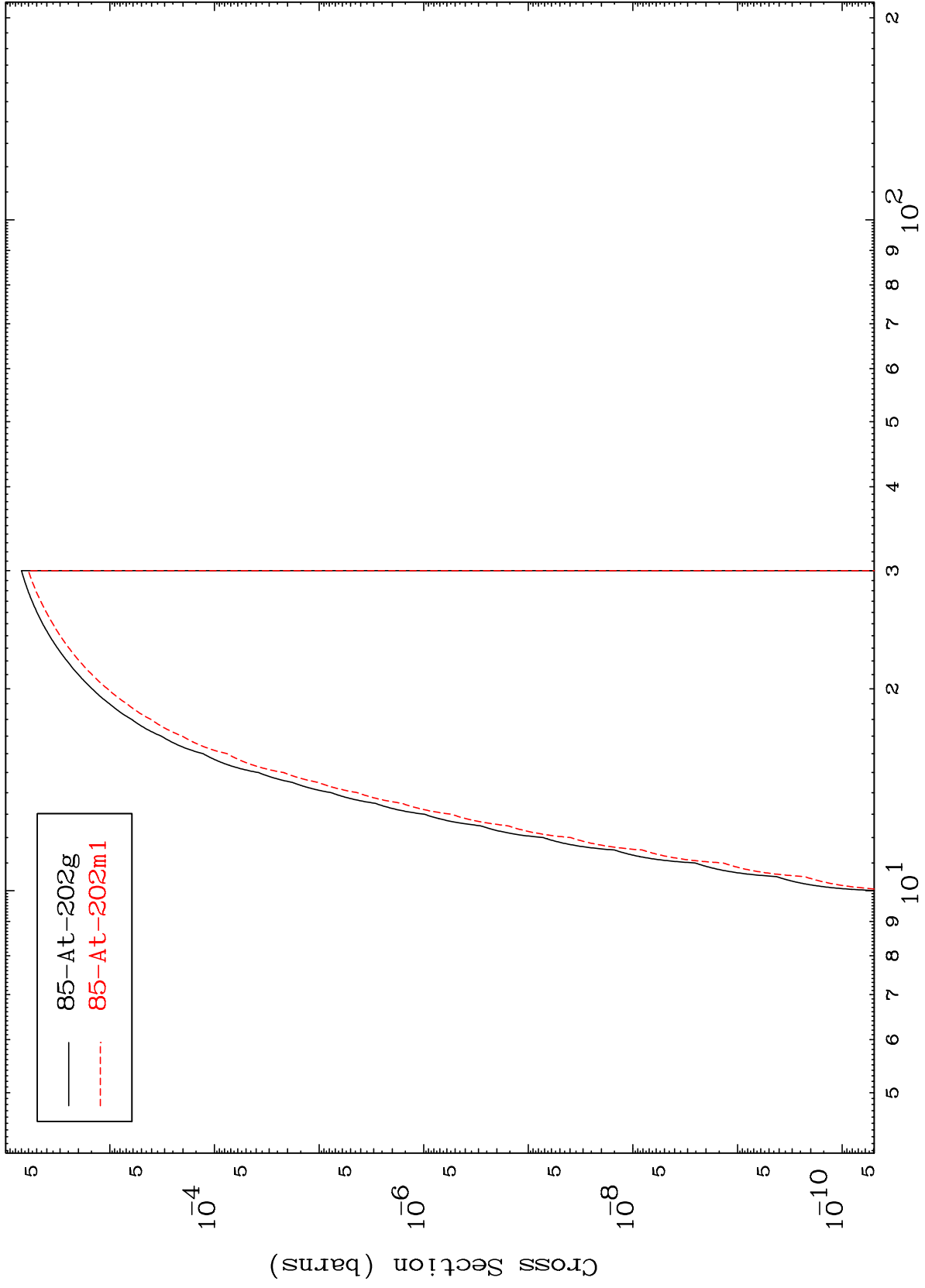
Incident Energy (MeV)

86-Rn-204

MAT 8604

86-Rn-204

(n, t)
Radionuclide Production Cross Section



118

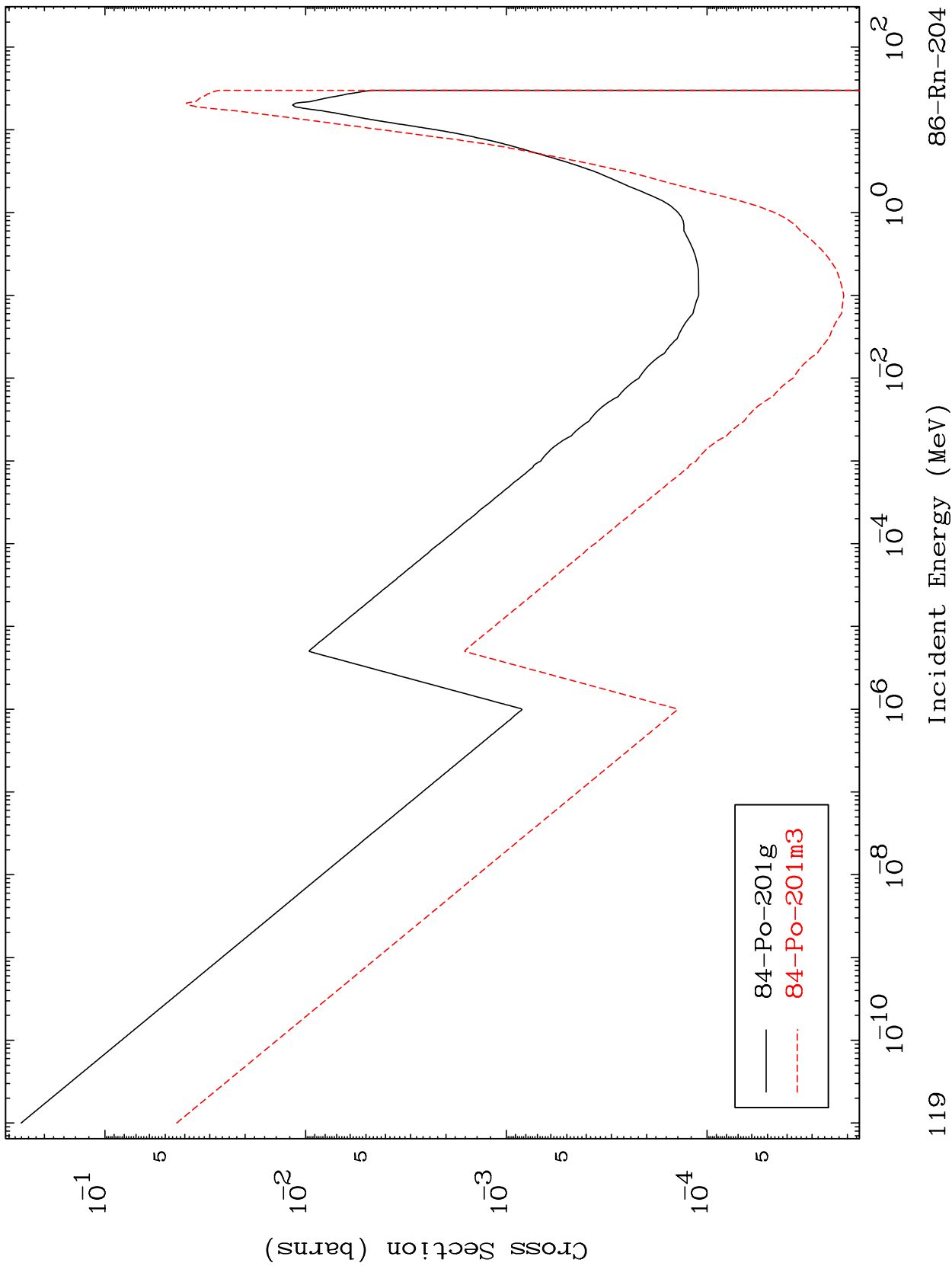
Incident Energy (MeV)

86-Rn-204

MAT 8604

86-Rn-204

(n, α)
Radionuclide Production Cross Section

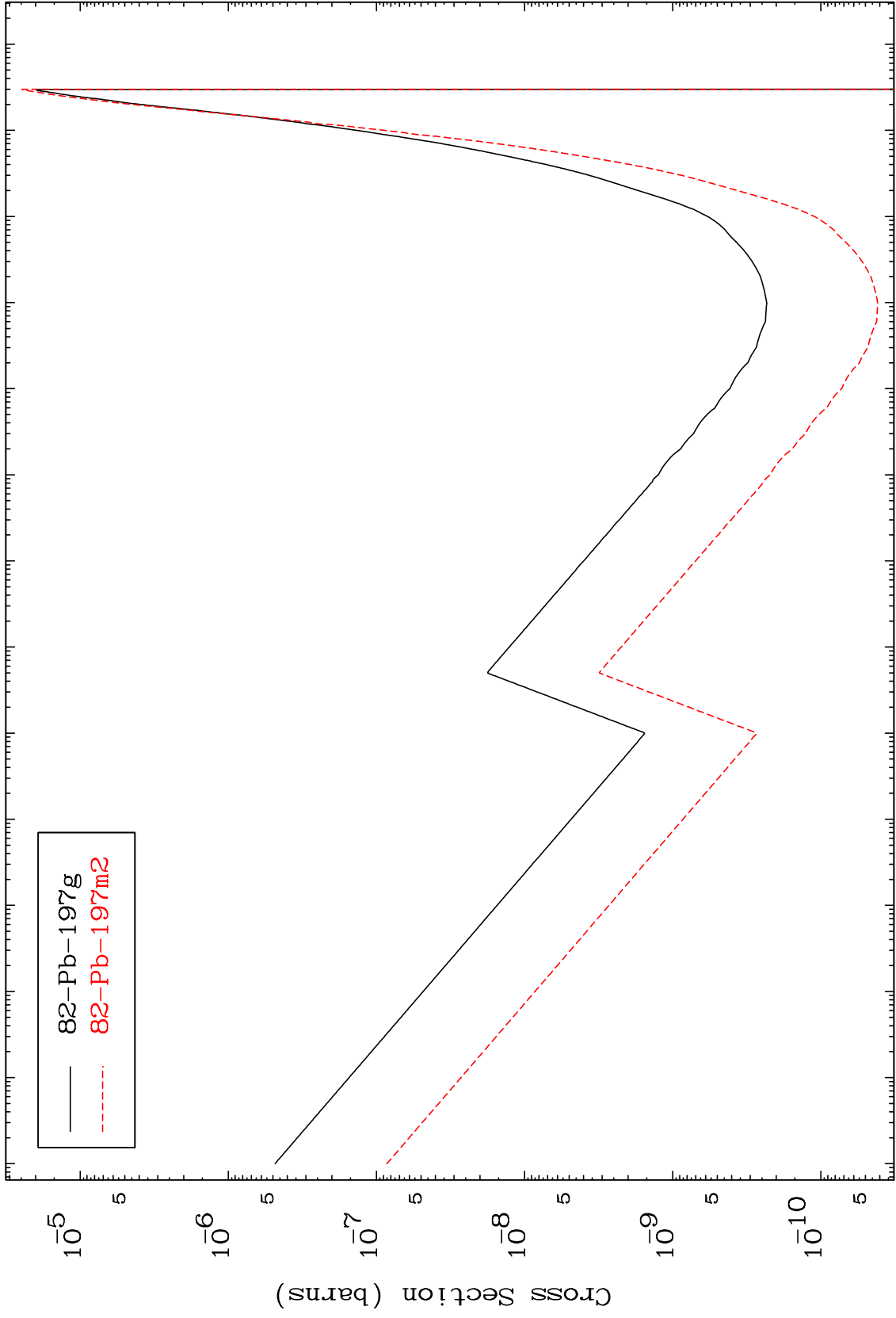
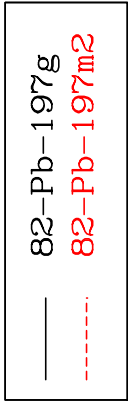


MAT 8604

(n,2α)

86-Rn-204

Radionuclide Production Cross Section



120

Incident Energy (MeV)

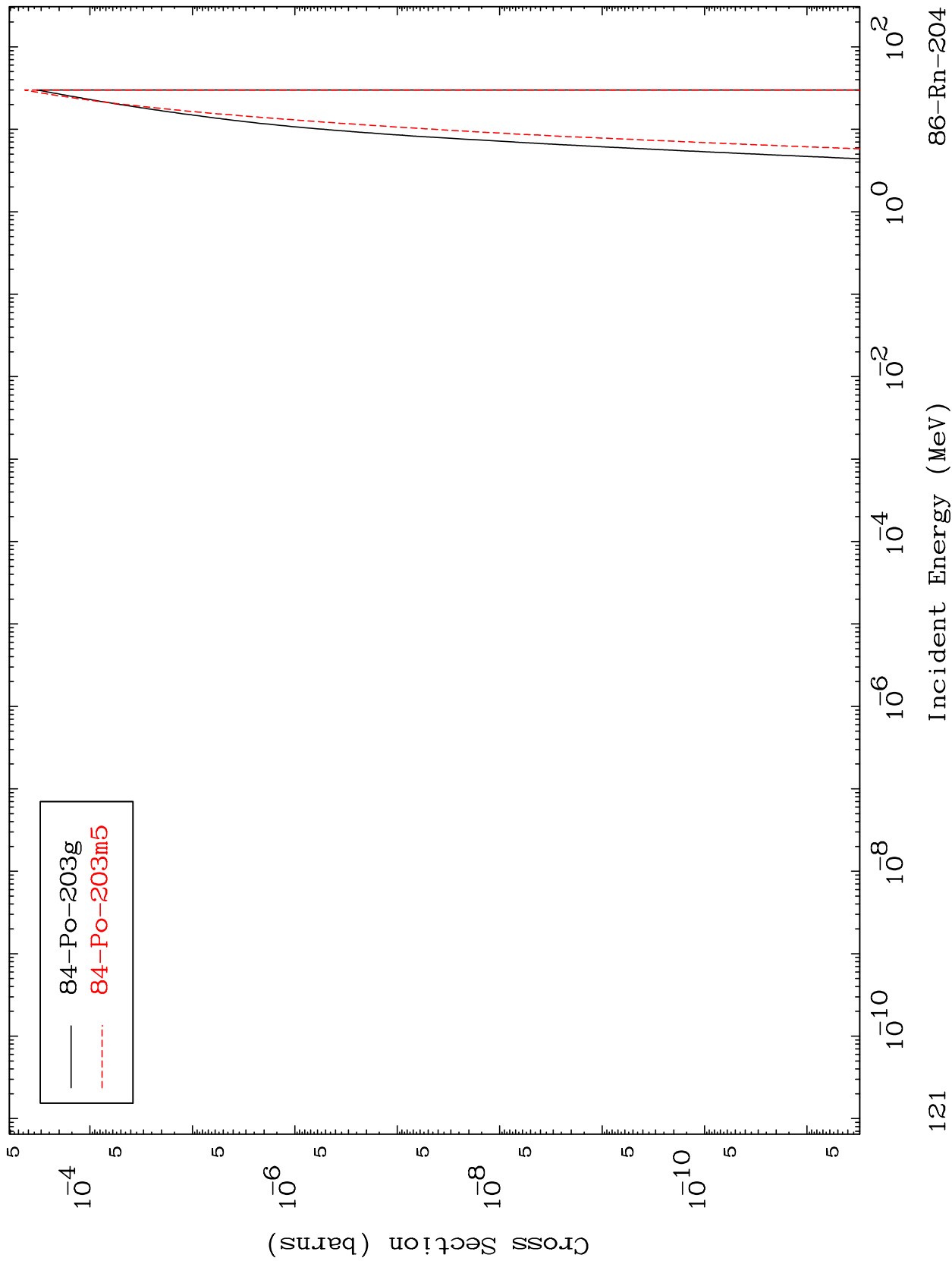
86-Rn-204

MAT 8604

(n,2p)

86-Rn-204

Radionuclide Production Cross Section



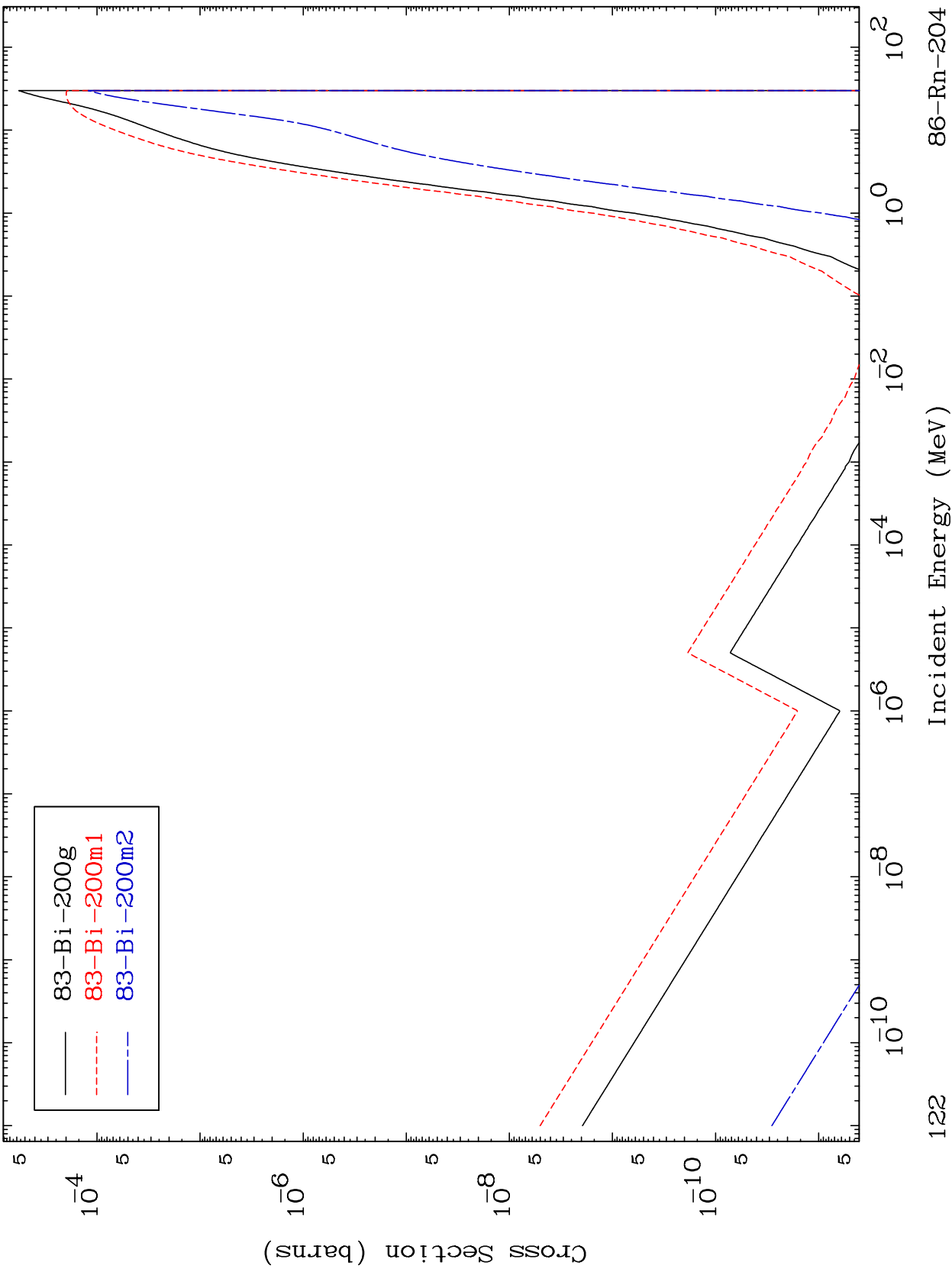
84-Po-203g
84-Po-203m5

MAT 8604

(n,p) α

86-Rn-204

Radionuclide Production Cross Section

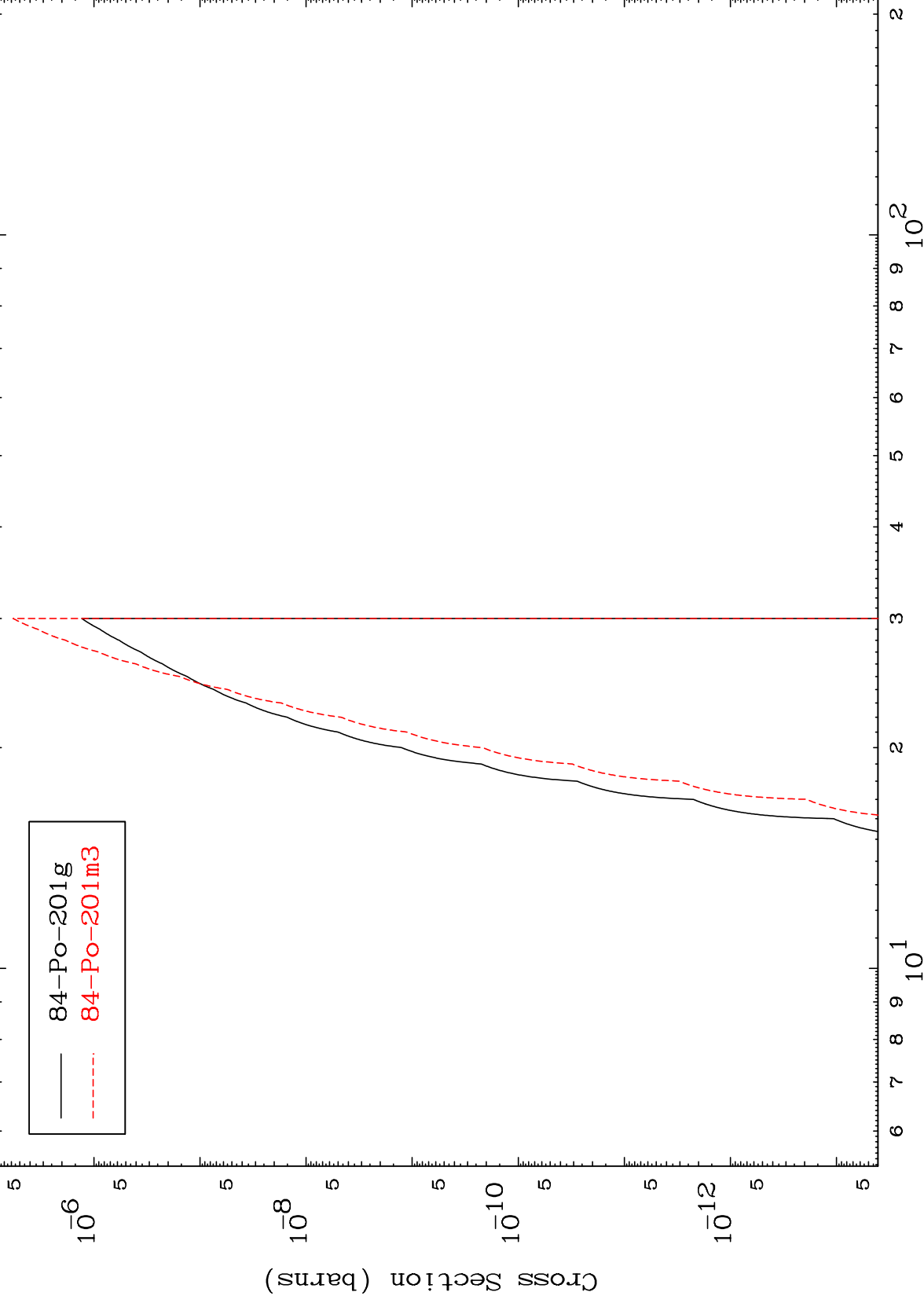


MAT 8604

(n,p) t

86-Rn-204

Radionuclide Production Cross Section

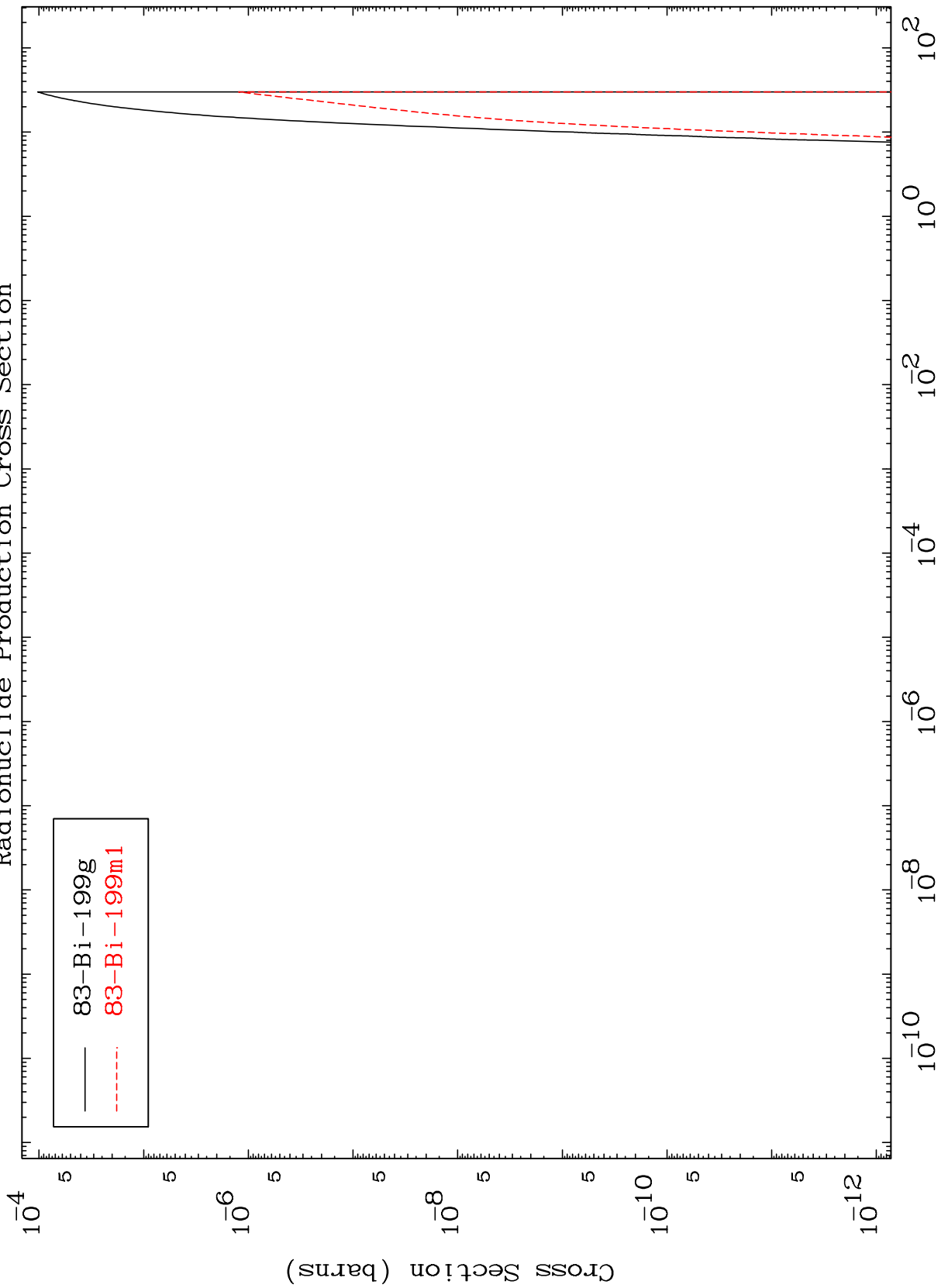


MAT 8604

(n,d) α

86-Rn-204

Radionuclide Production Cross Section



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