

Program EVALPLOT  
(Version 2015-2)

by

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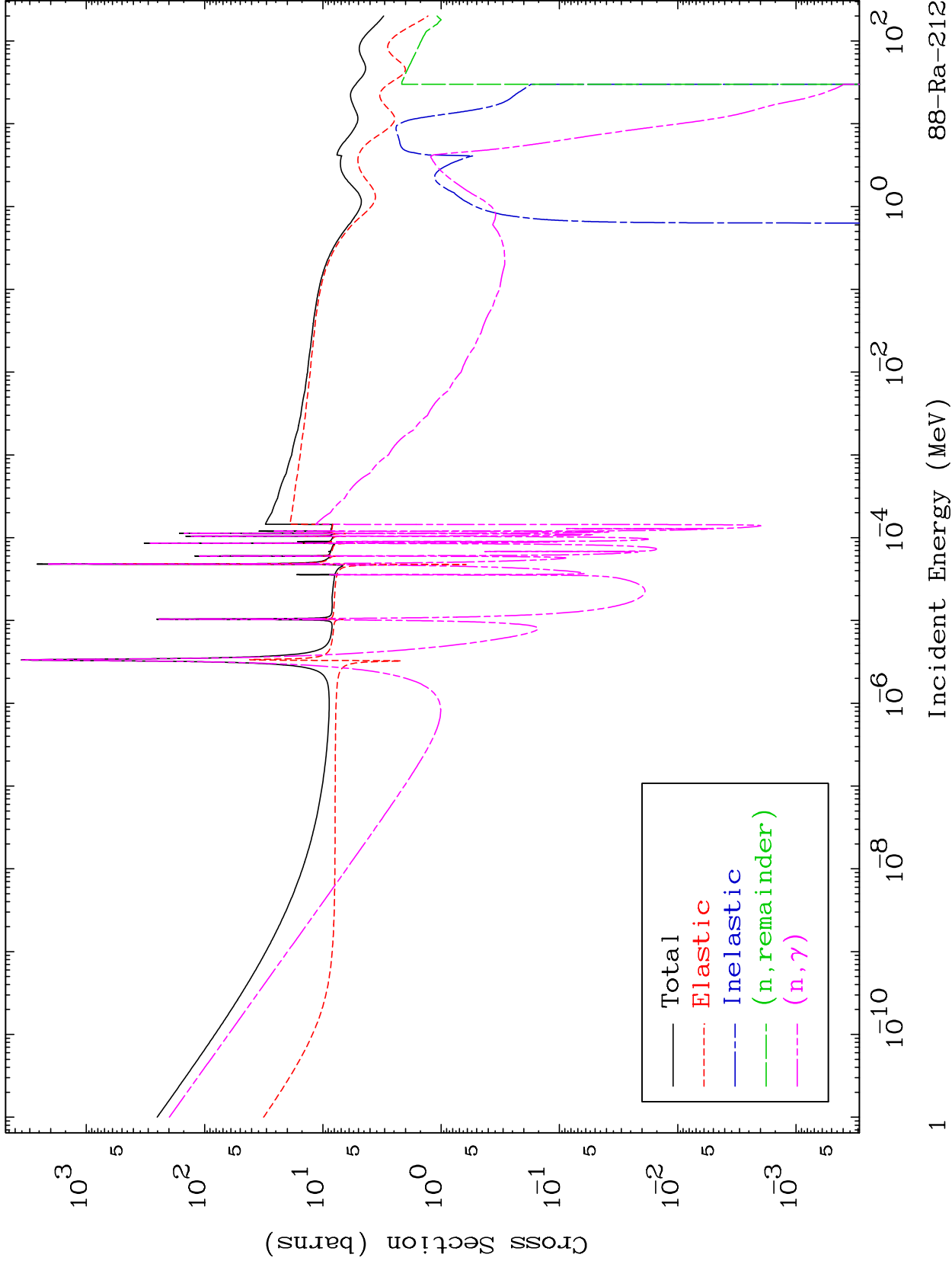
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8792

Major  
293 Kelvin Cross Sections

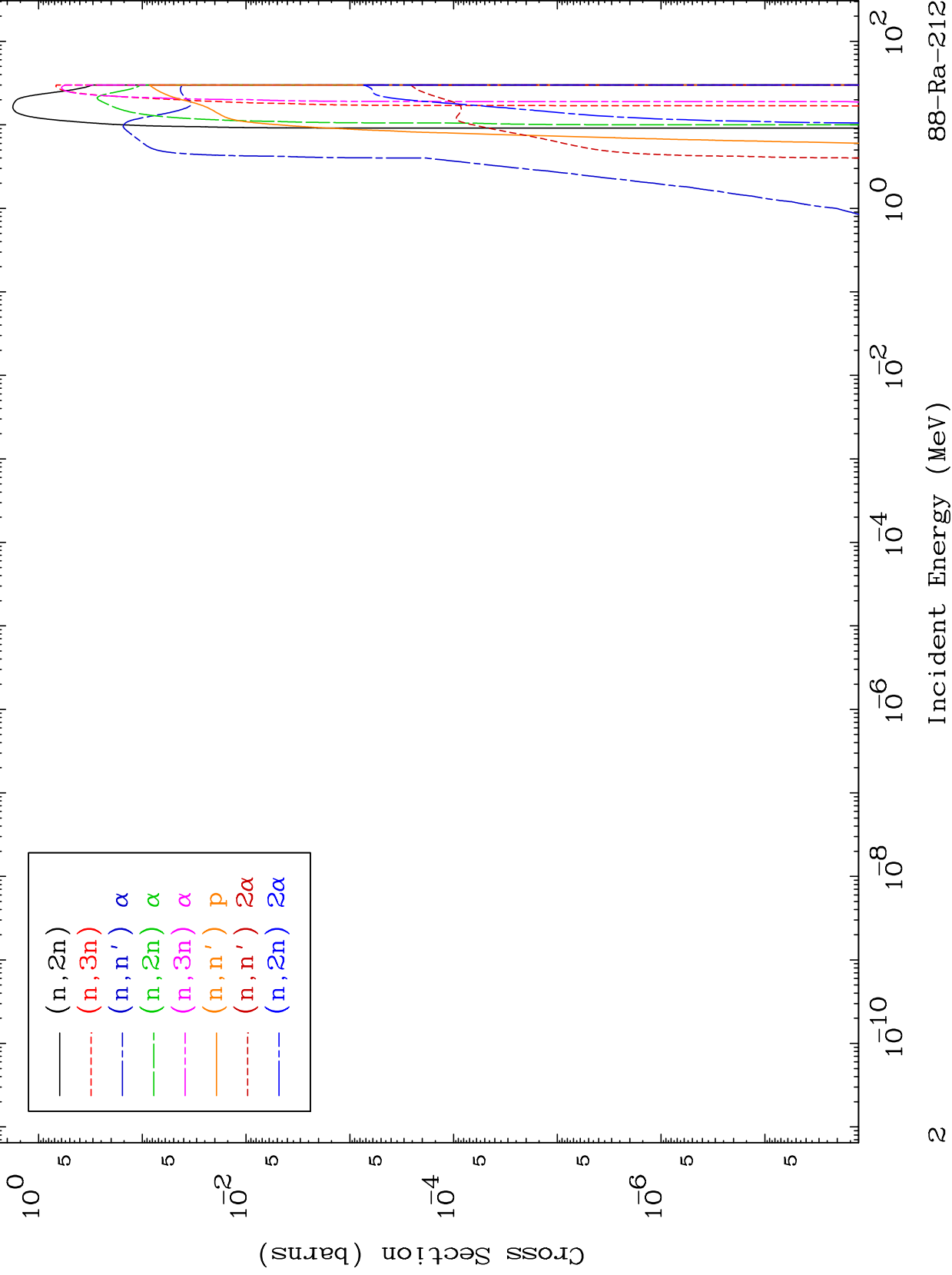
88-Ra-212



MAT 8792

Neutron Production  
293 Kelvin Cross Sections

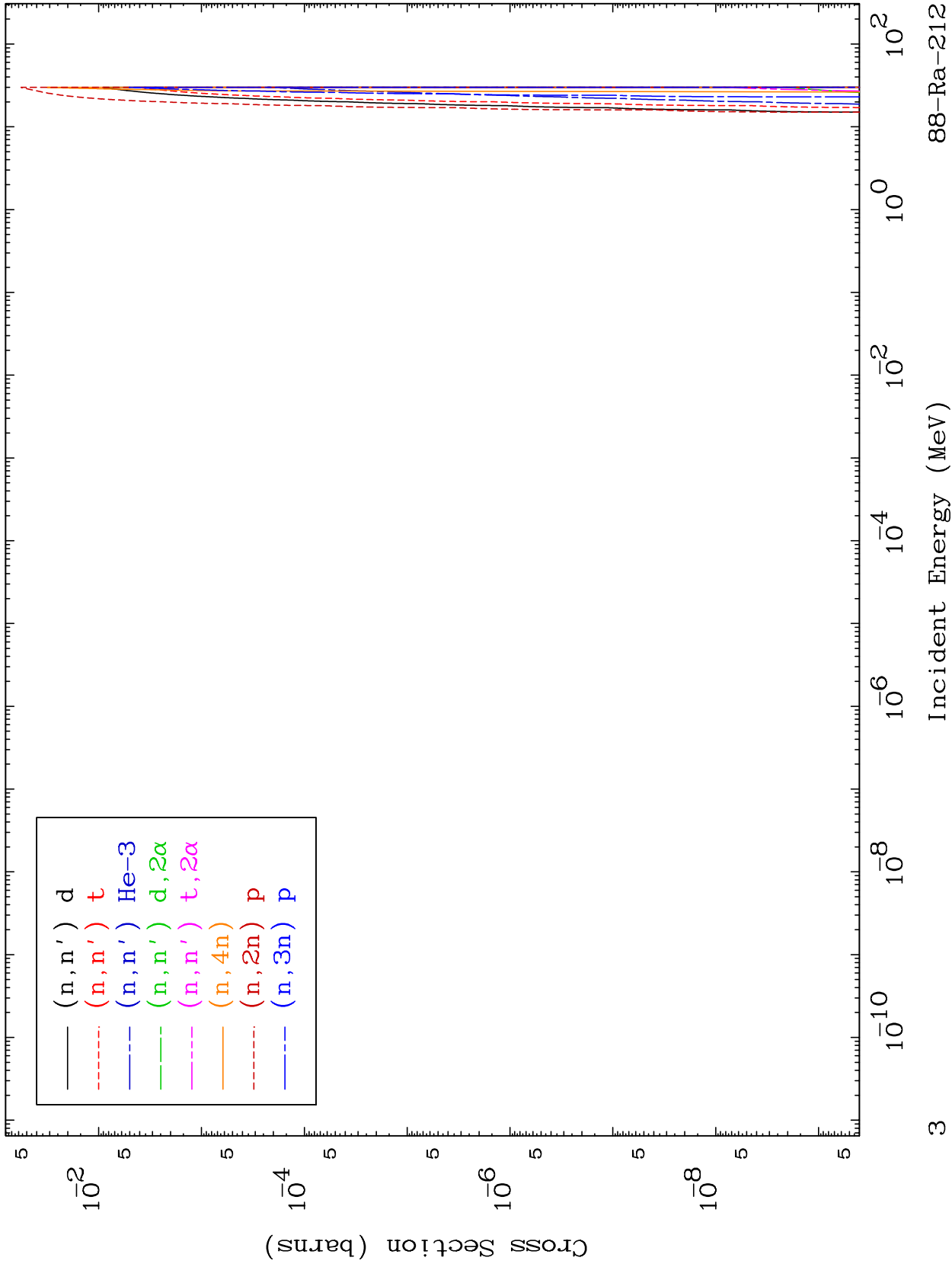
88-Ra-212



MAT 8792

Neutron Production  
293 Kelvin Cross Sections

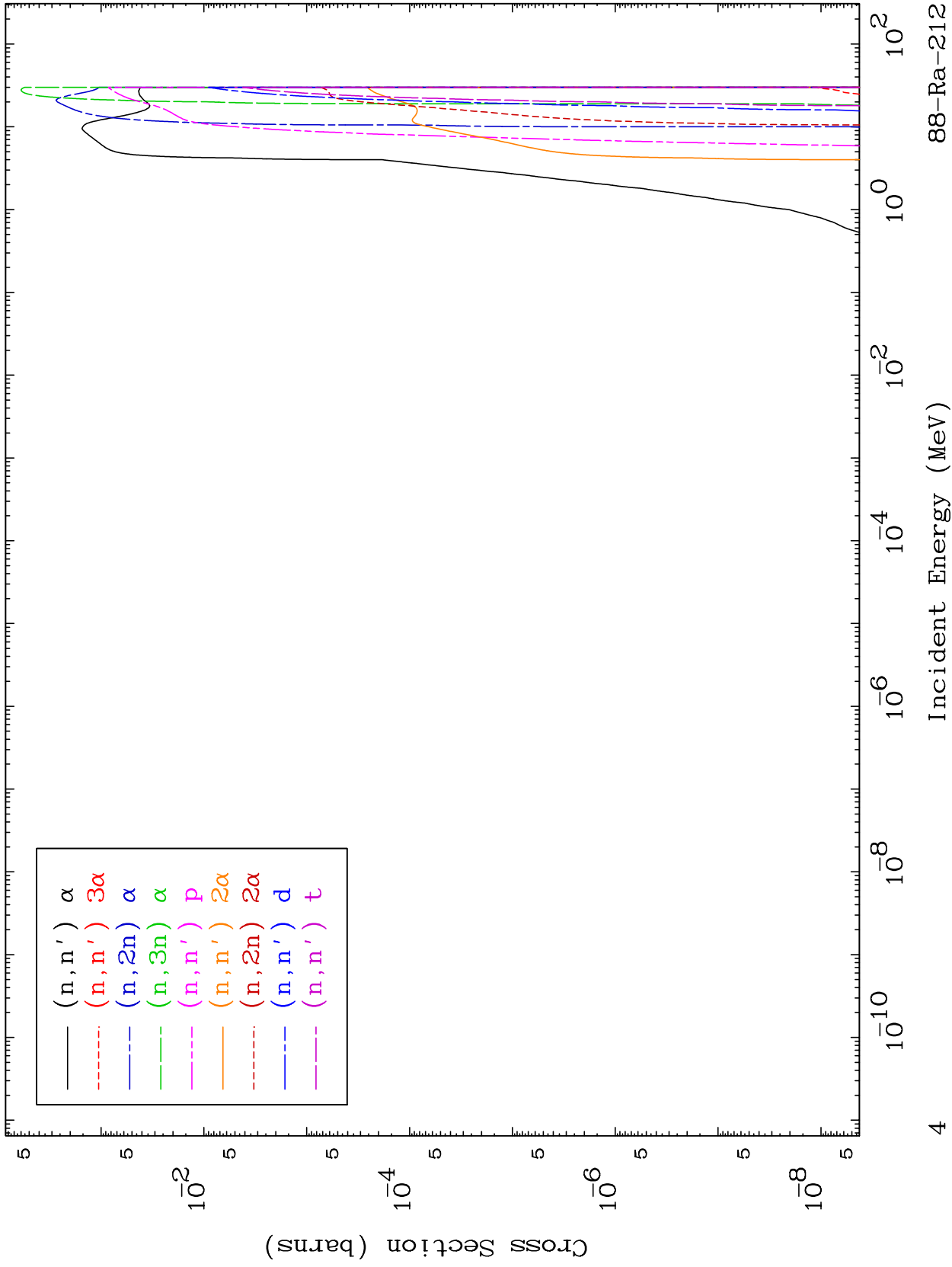
88-Ra-212



MAT 8792

Charged Particle  
293 Kelvin Cross Sections

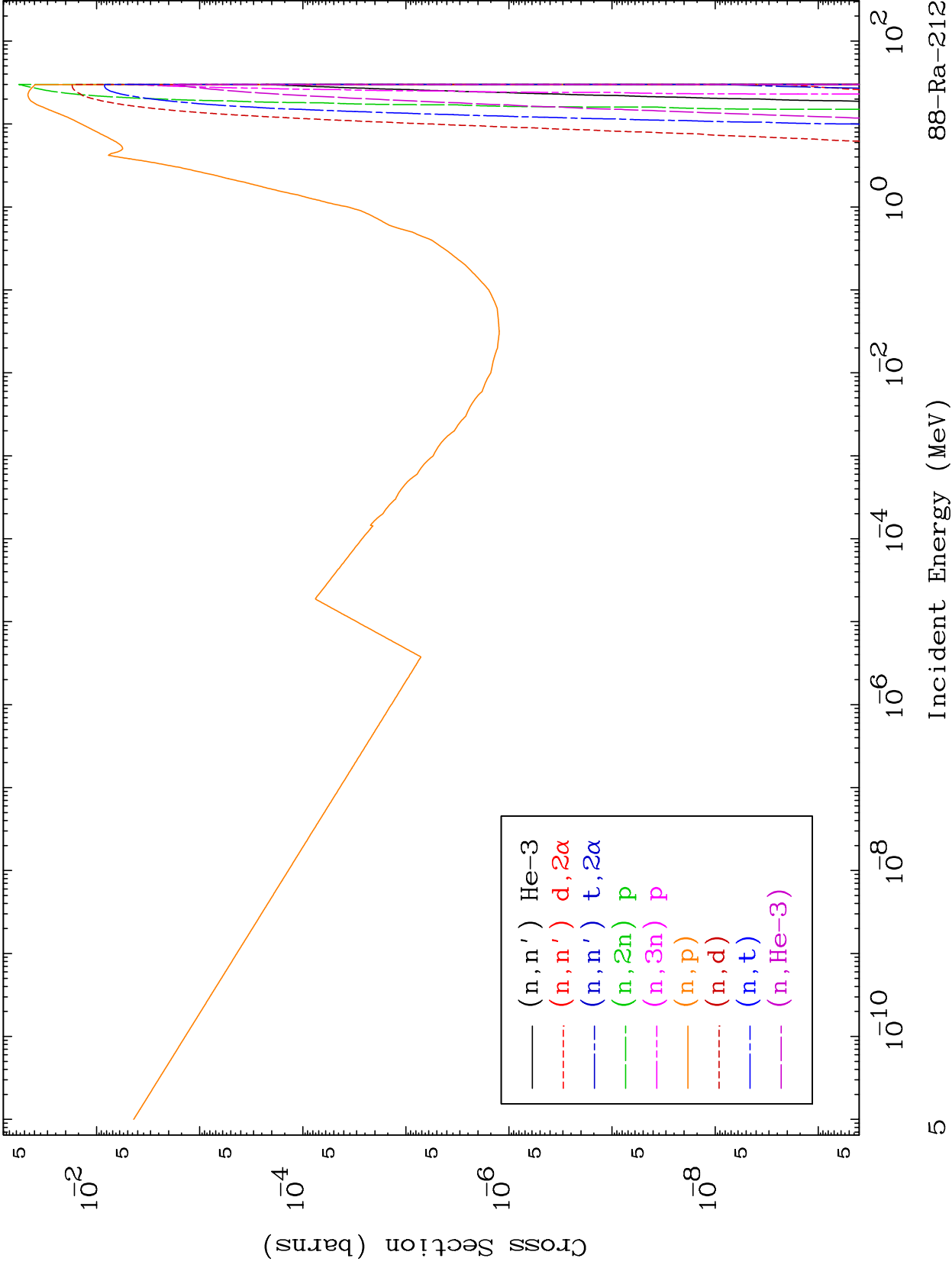
88-Ra-212



MAT 8792

Charged Particle  
293 Kelvin Cross Sections

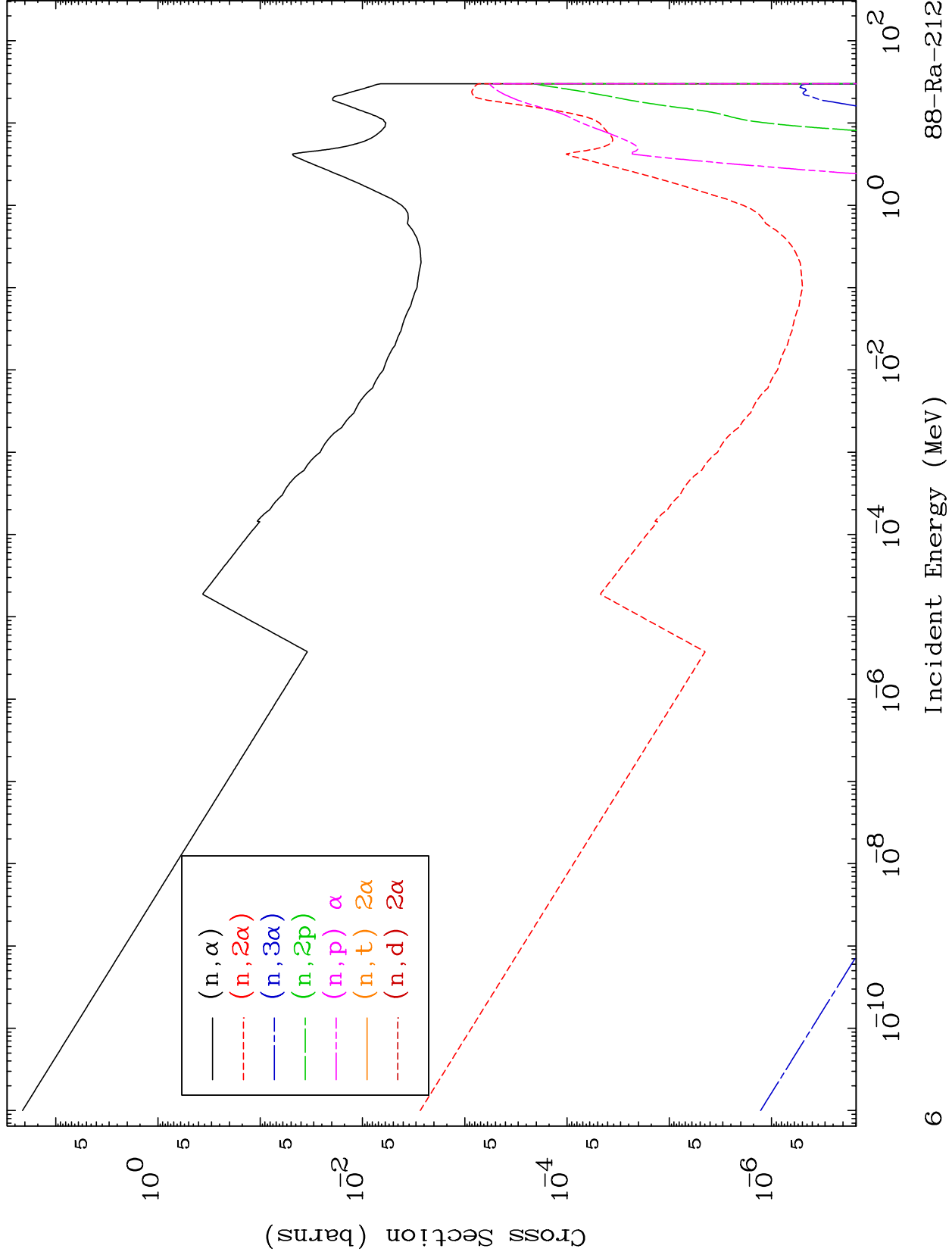
88-Ra-212

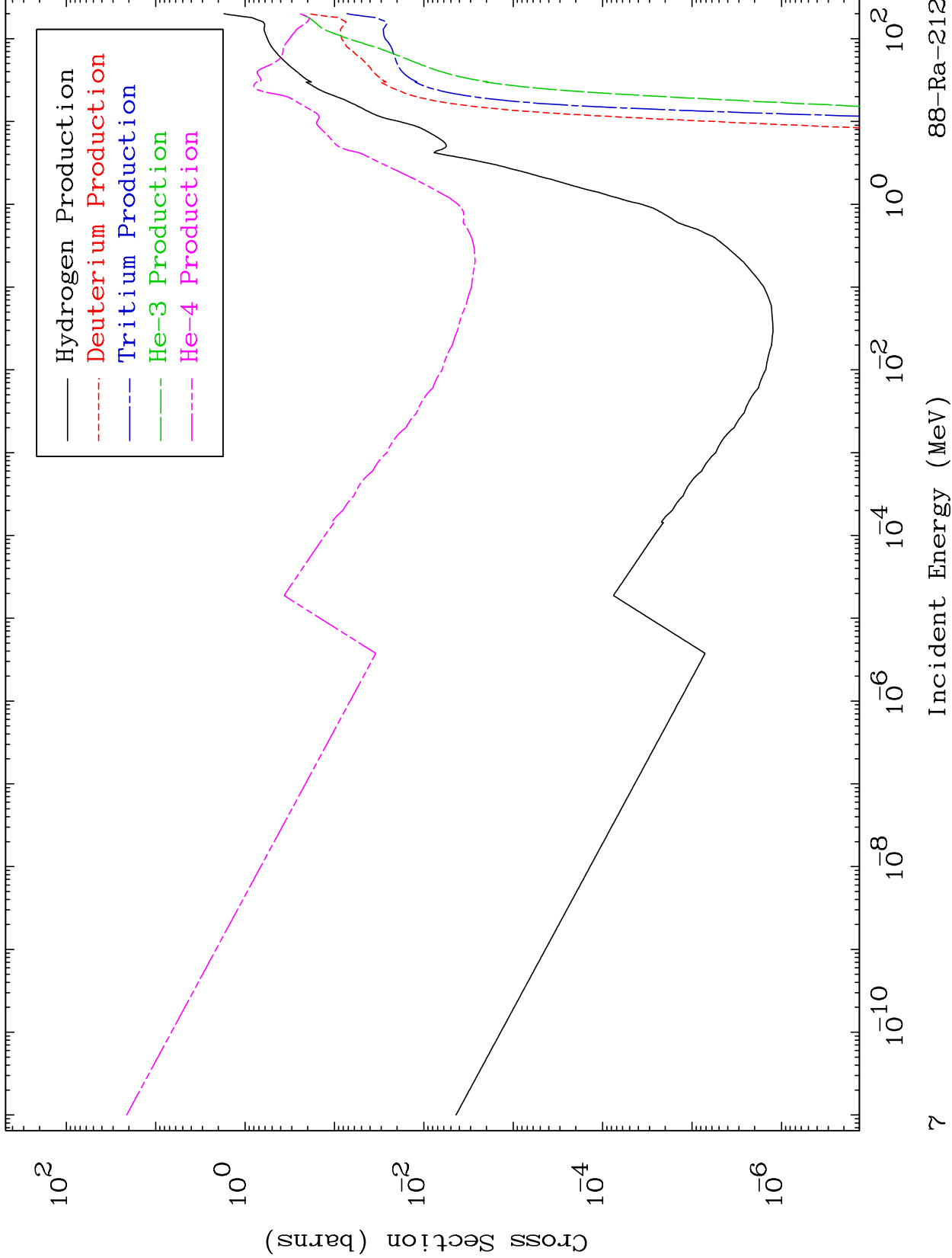


MAT 8792

Charged Particle  
293 Kelvin Cross Sections

88-Ra-212



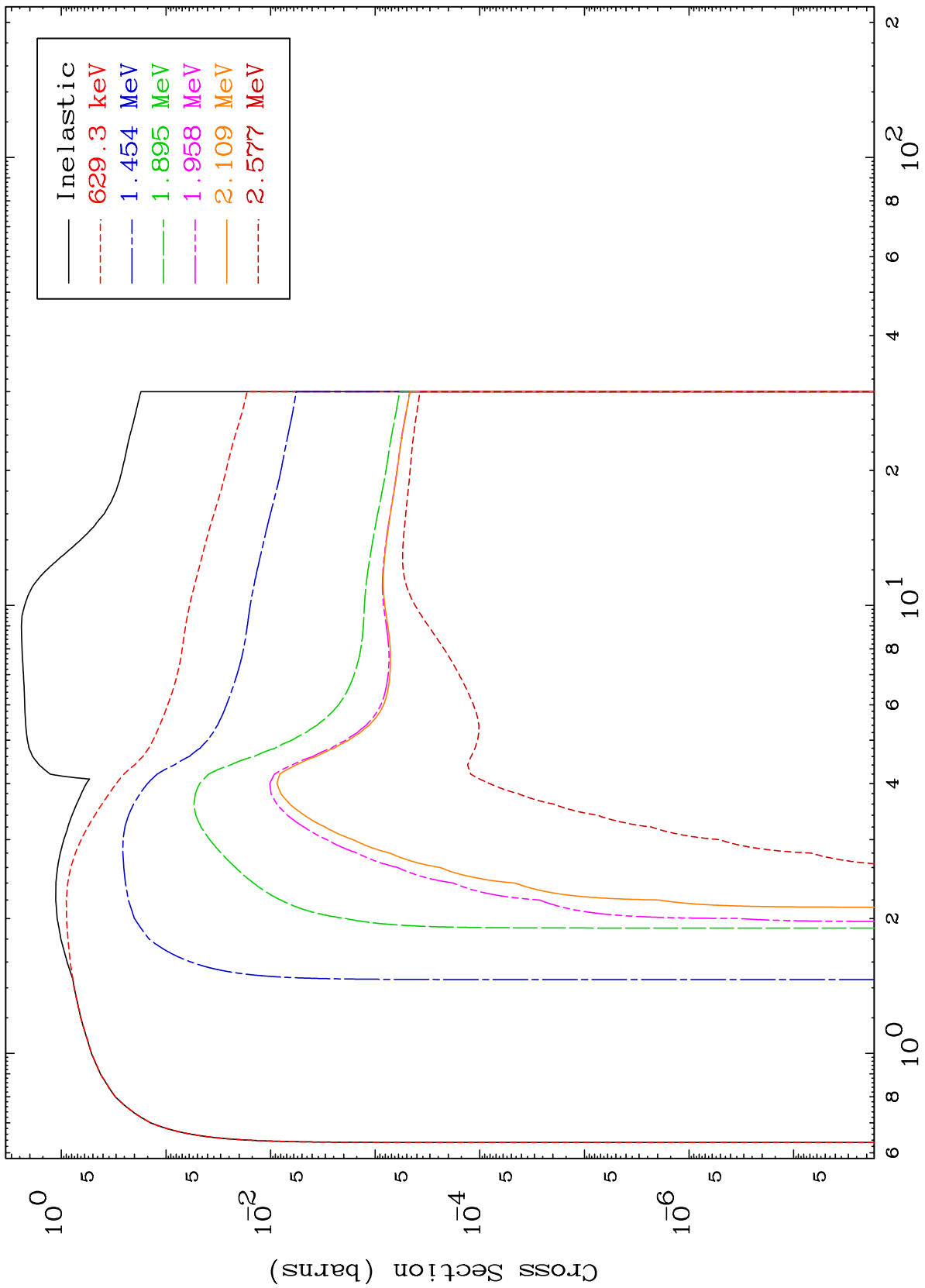




MAT 8792

(n,n') Level  
293 Kelvin Cross Sections

88-Ra-212



8

Incident Energy (MeV)

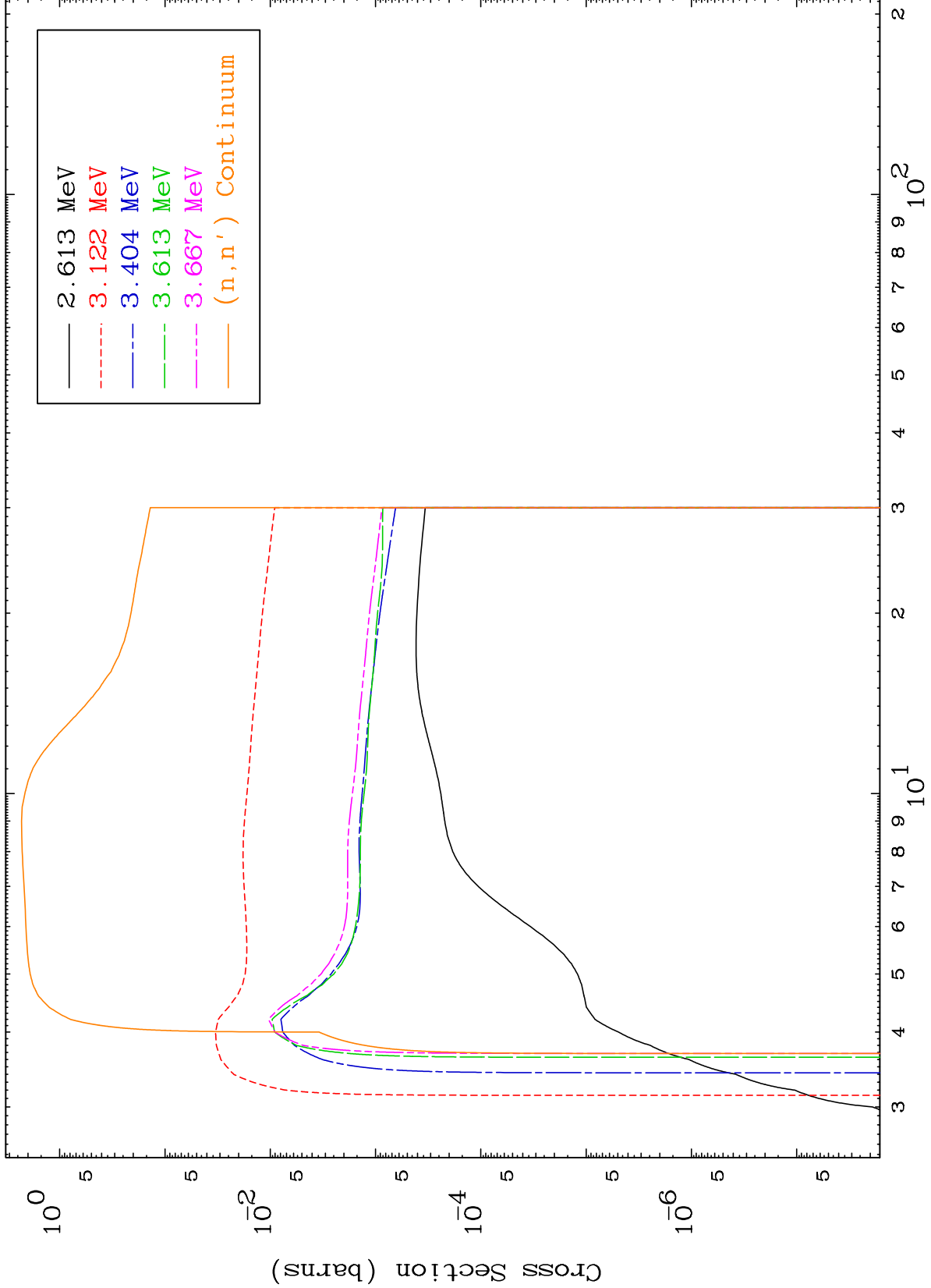
88-Ra-212

MAT 8792

(n,n') Level

88-Ra-212

293 Kelvin Cross Sections



9

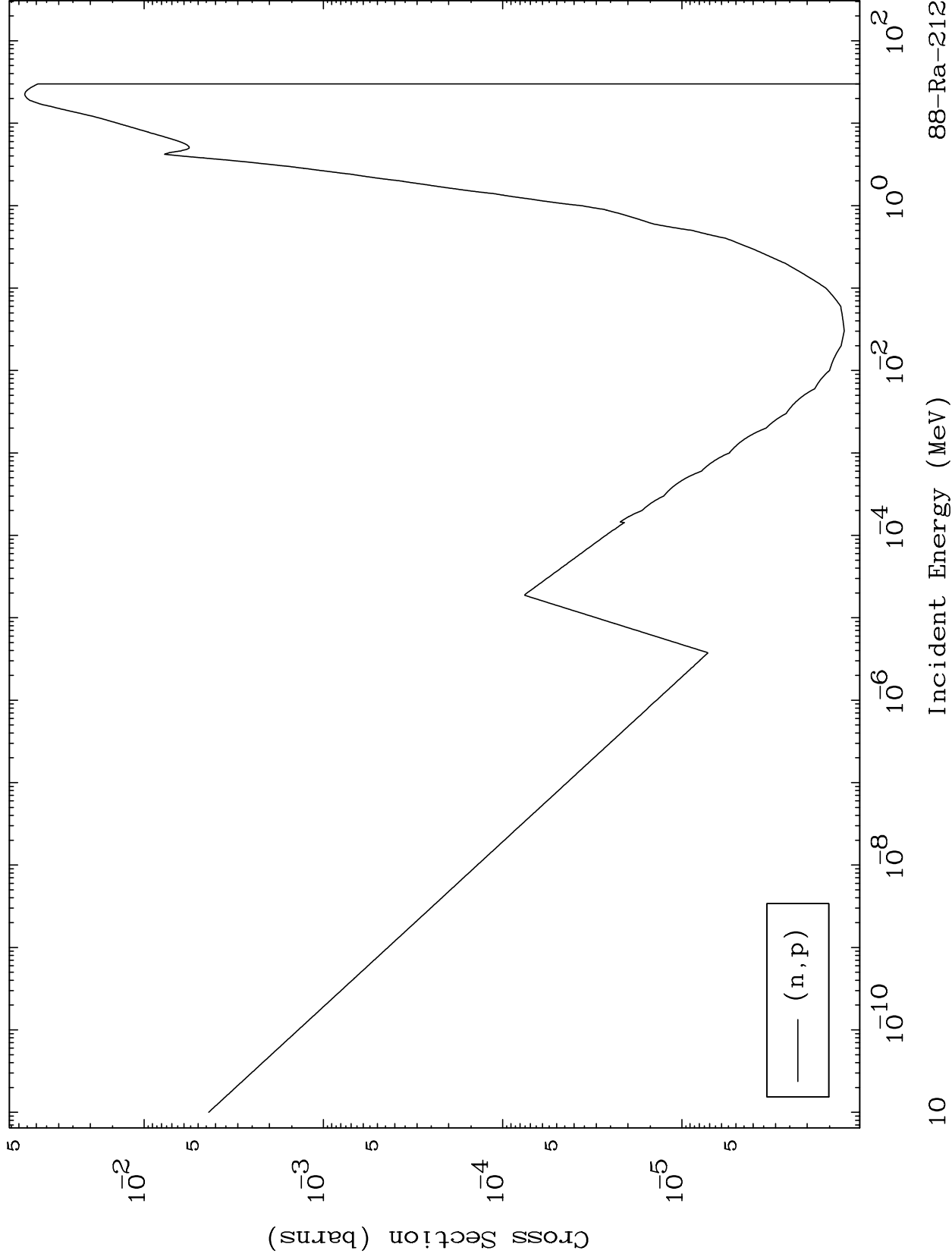
Incident Energy (MeV)

88-Ra-212

MAT 8792

(n,p) Levels  
293 Kelvin Cross Sections

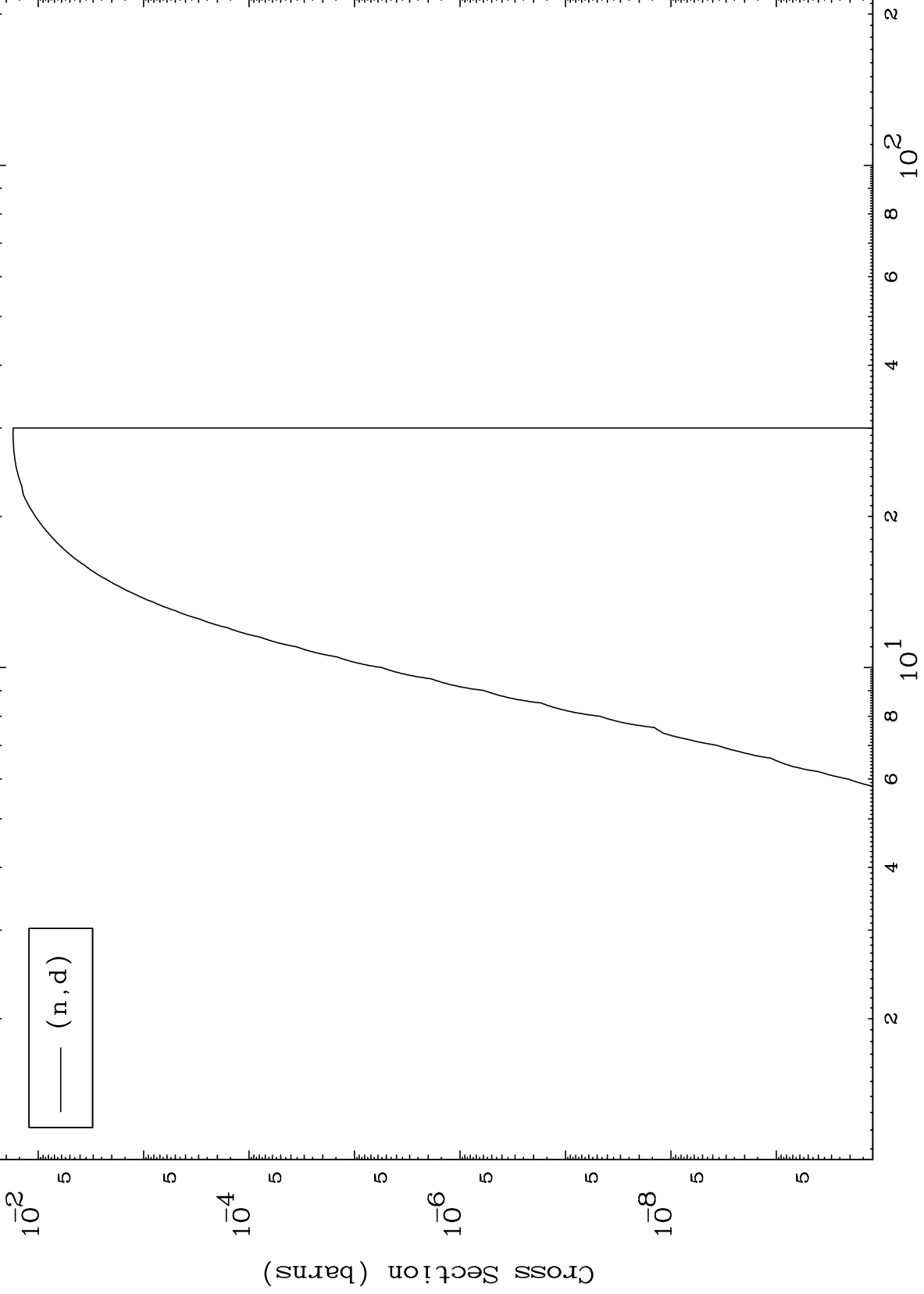
88-Ra-212



MAT 8792

(n,d) Levels  
293 Kelvin Cross Sections

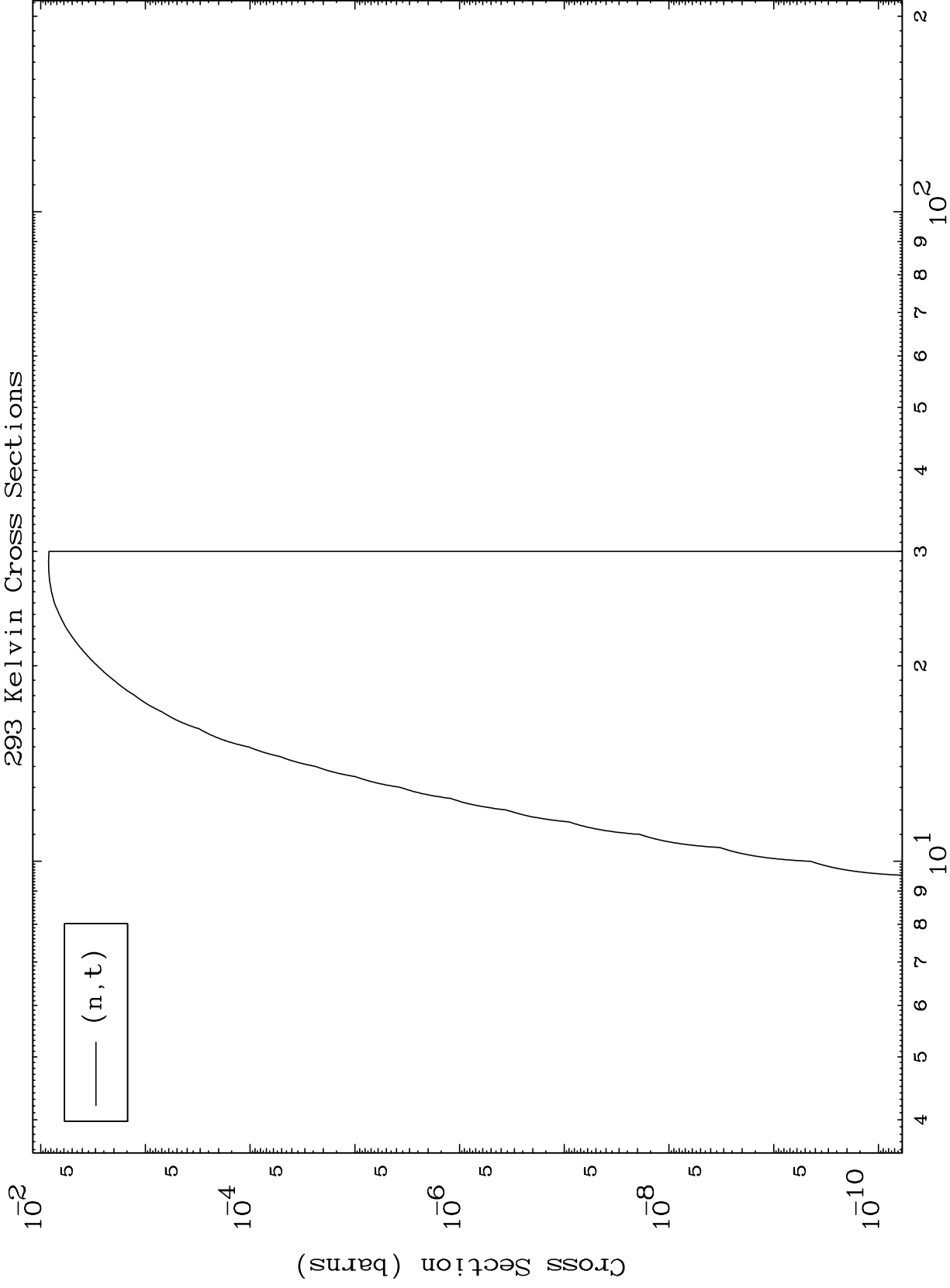
88-Ra-212



MAT 8792

(n,t) Levels  
293 Kelvin Cross Sections

88-Ra-212



12

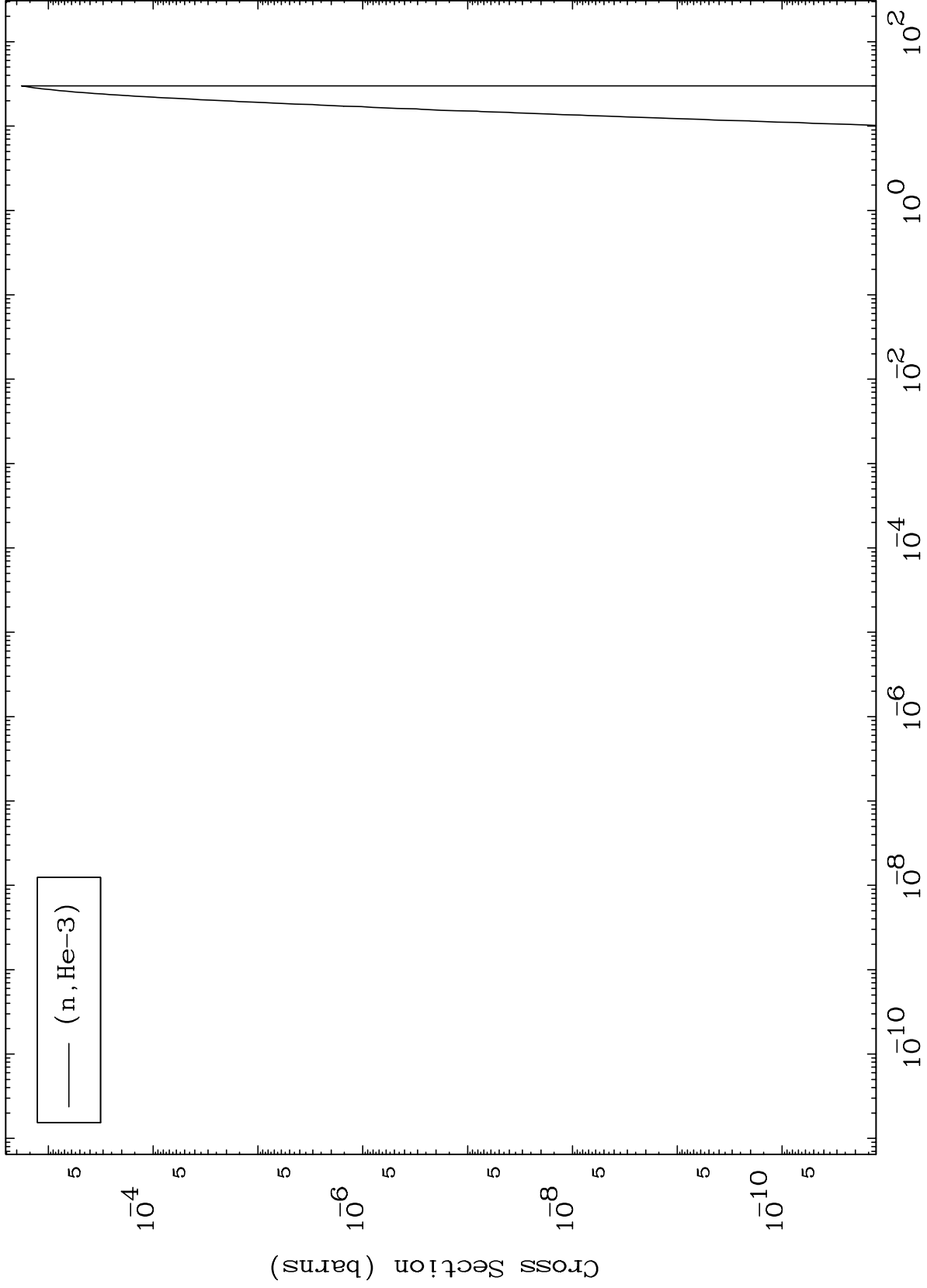
Incident Energy (MeV)

88-Ra-212

MAT 8792

(n,He3) Levels  
293 Kelvin Cross Sections

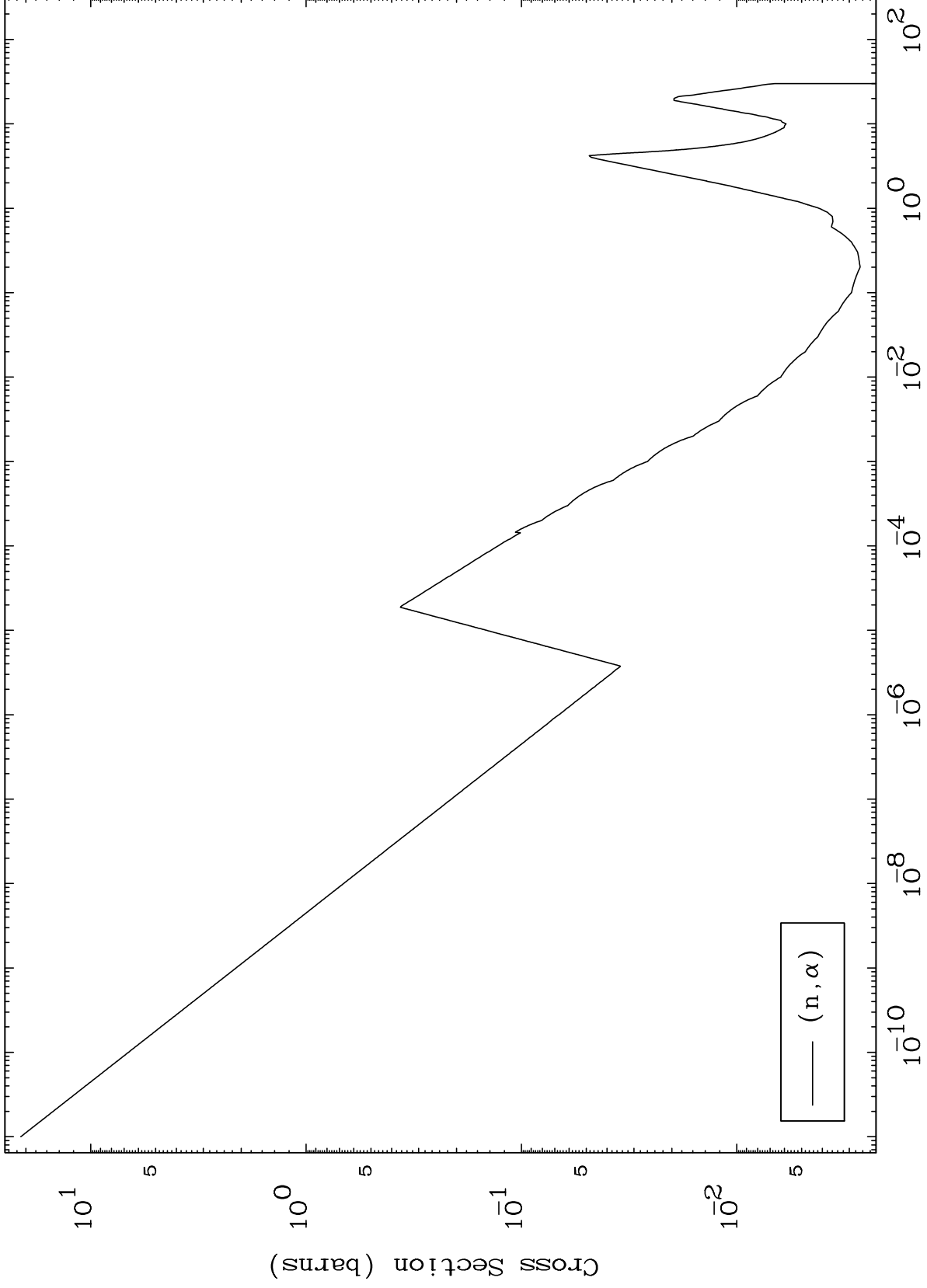
88-Ra-212



MAT 8792

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

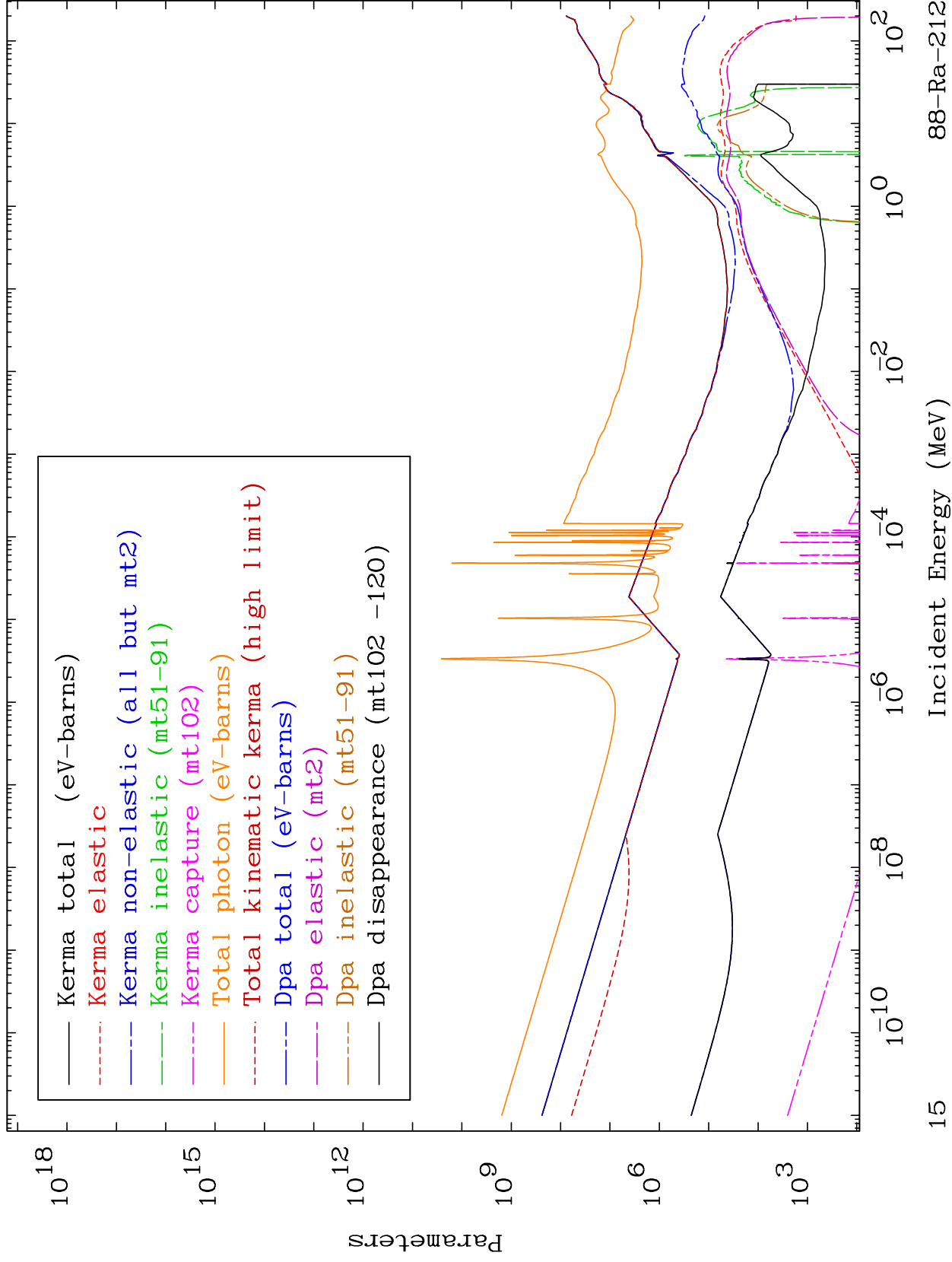
88-Ra-212



14

Incident Energy (MeV)

88-Ra-212

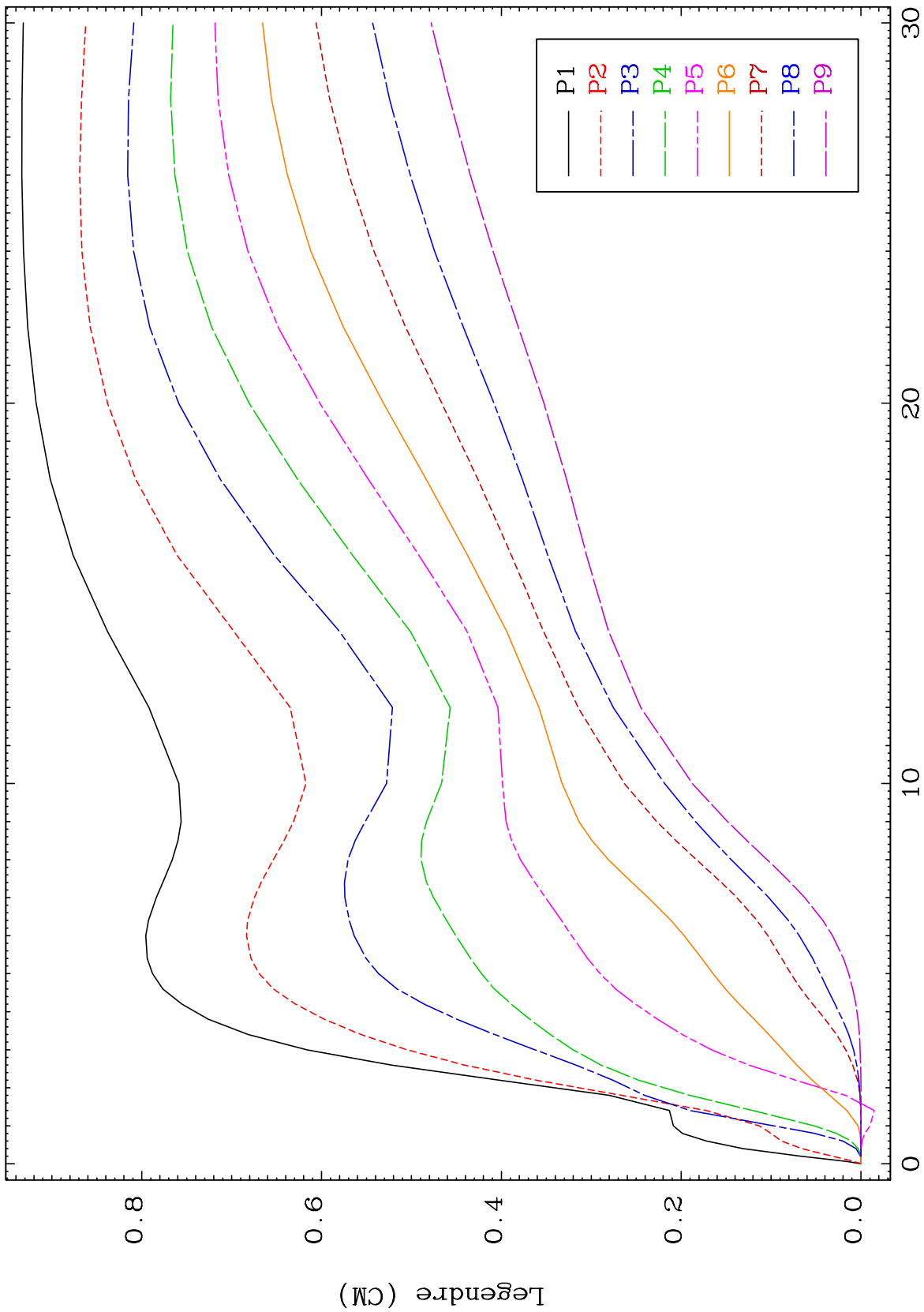




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88-Ra-212

Elastic Legendre Coefficients



88-Ra-212

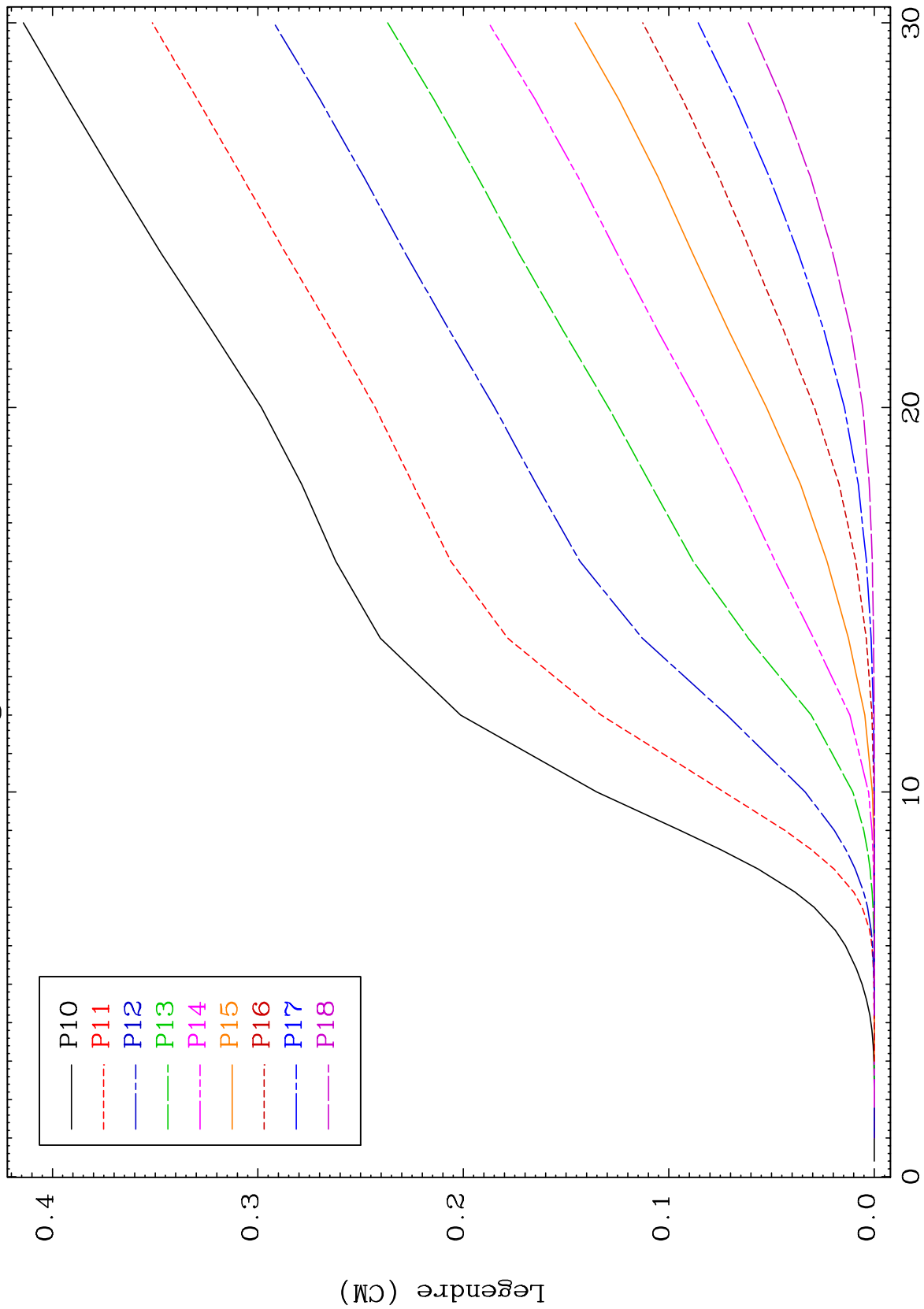
Incident Energy (MeV)

16

MAT 8792

Elastic Legendre Coefficients

88-Ra-212



17

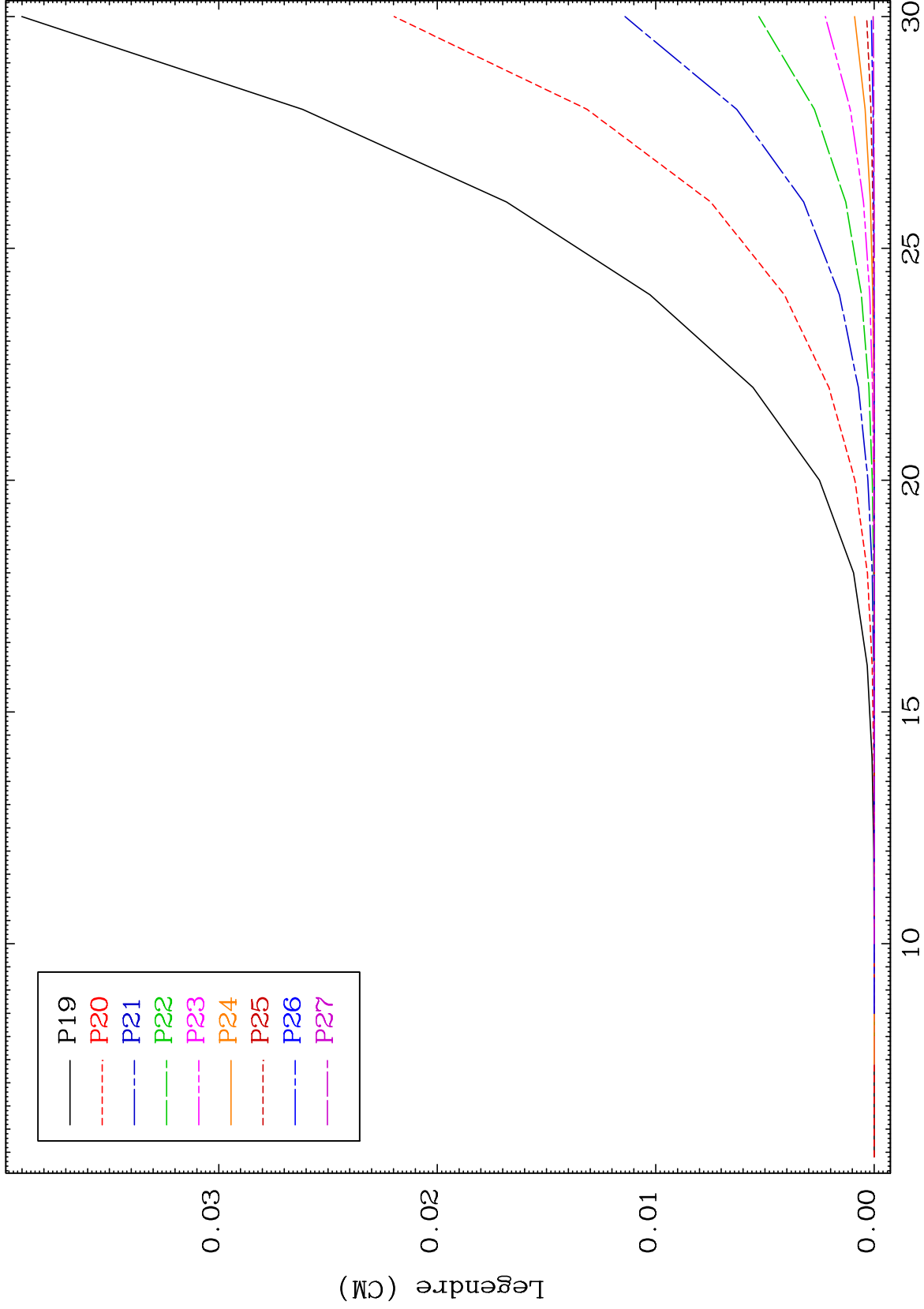
Incident Energy (MeV)

88-Ra-212

MAT 8792

### Elastic Legendre Coefficients

88-Ra-212



18

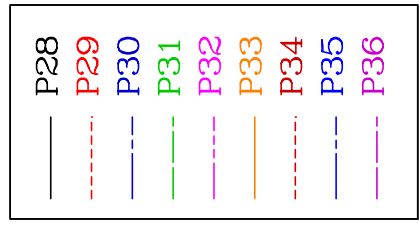
Incident Energy (MeV)

88-Ra-212

MAT 8792

Elastic Legendre Coefficients

88-Ra-212



$\times 10^{-5}$   
1.5  
1.0

Legendre (CM)

0.5

0.0

15

20

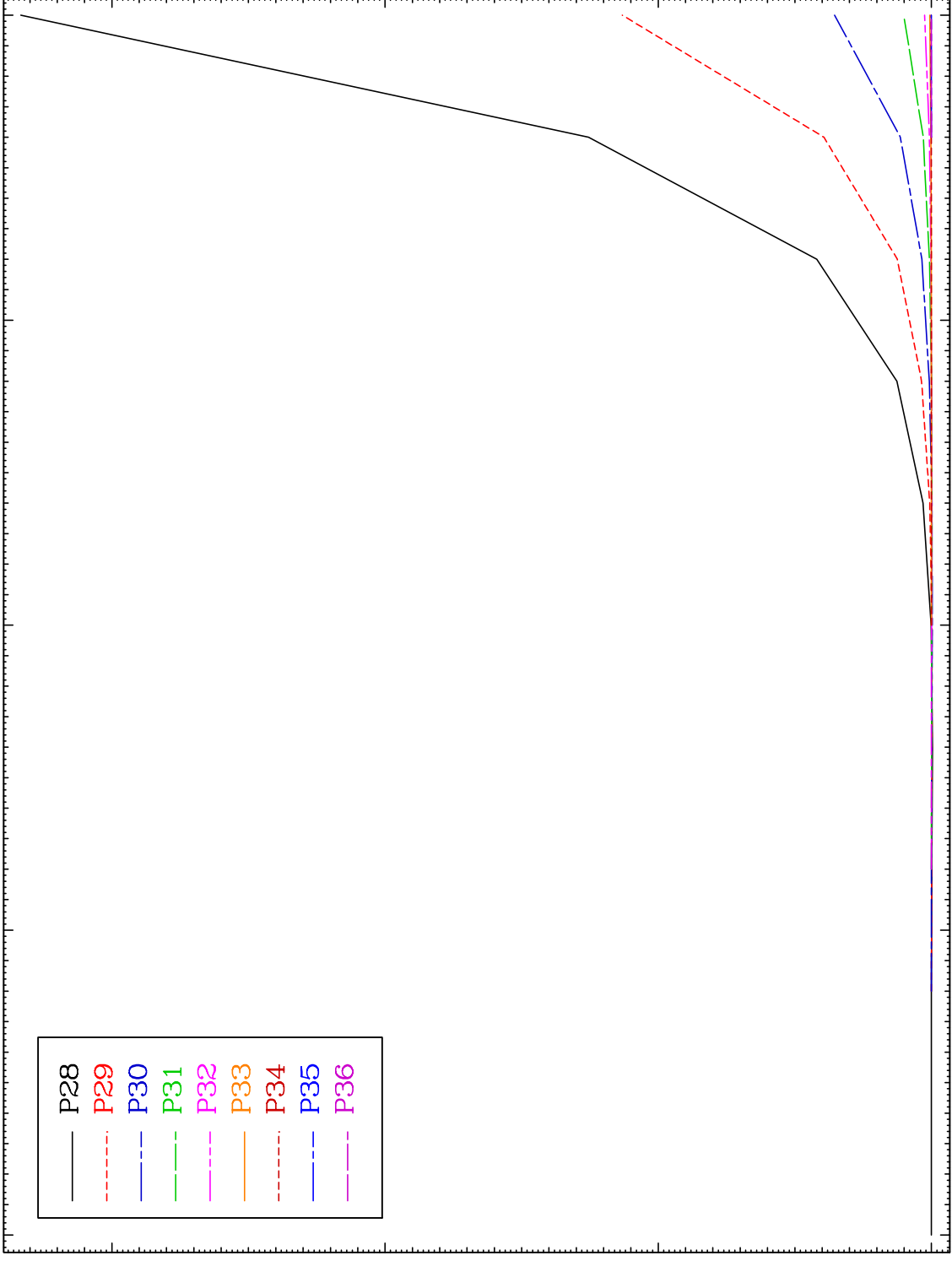
25

30

19

Incident Energy (MeV)

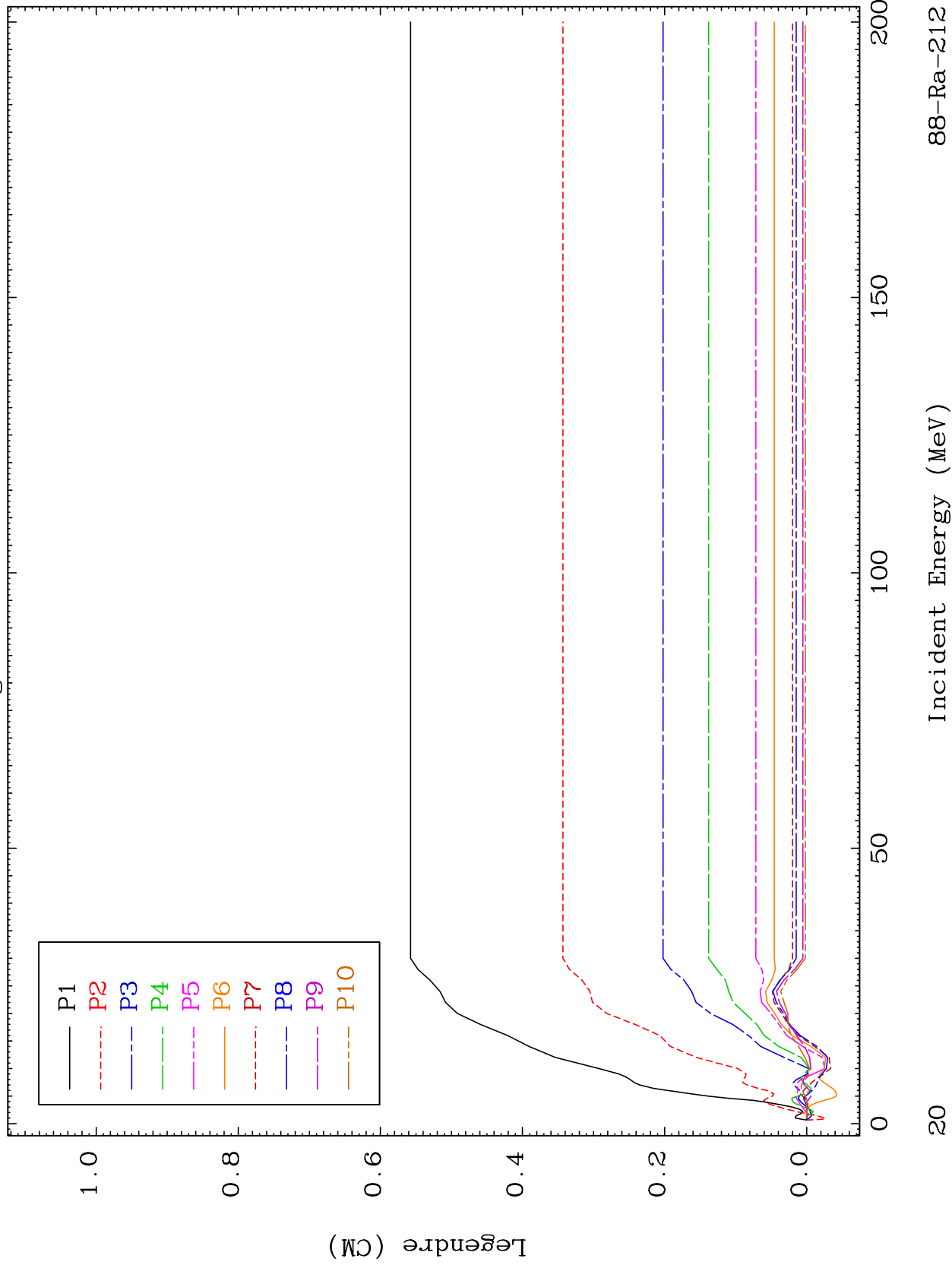
88-Ra-212



MAT 8792

629.3 keV (n, n') Level  
Legendre Coefficients

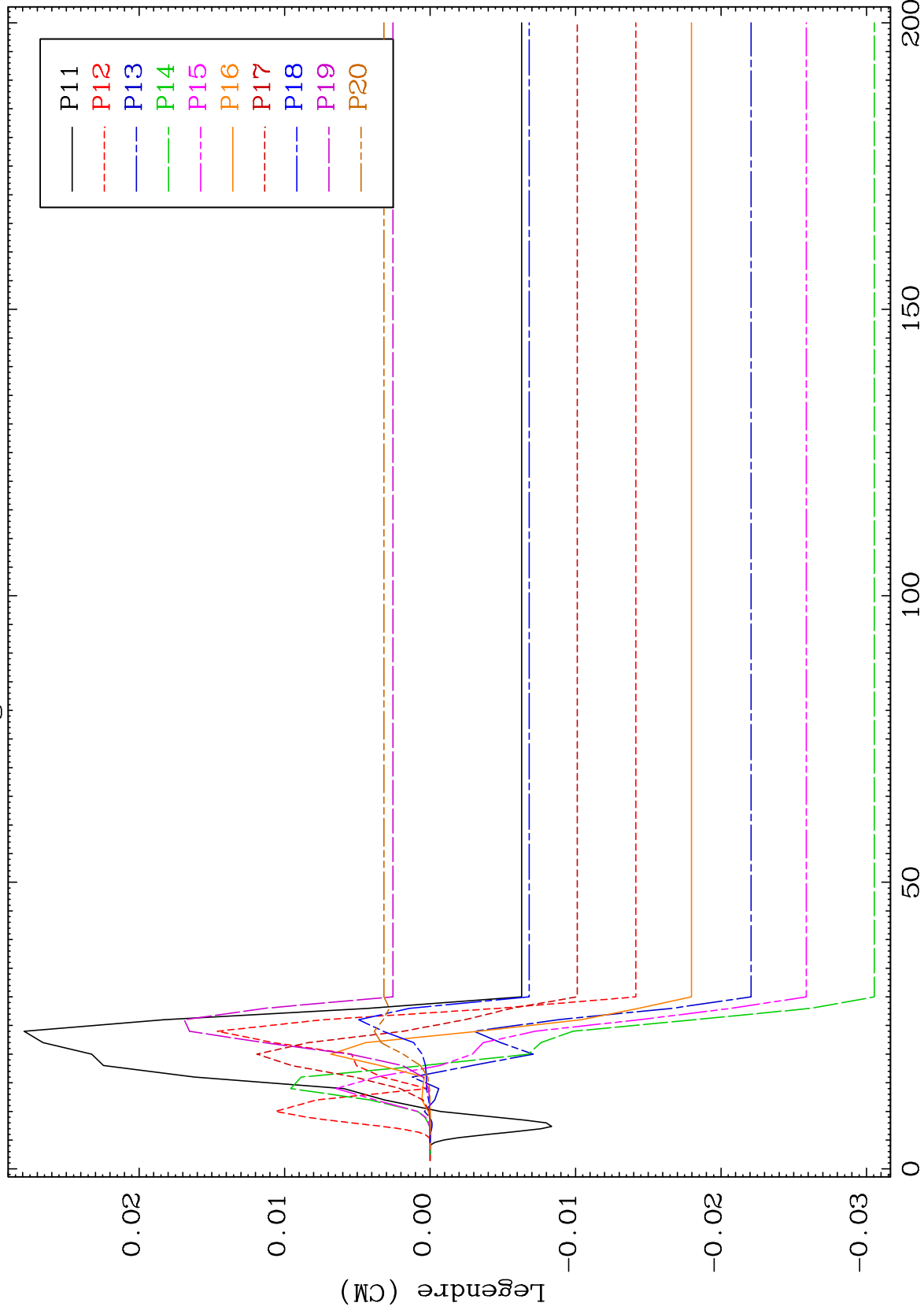
88-Ra-212



MAT 8792

629.3 keV (n,n') Level  
Legendre Coefficients

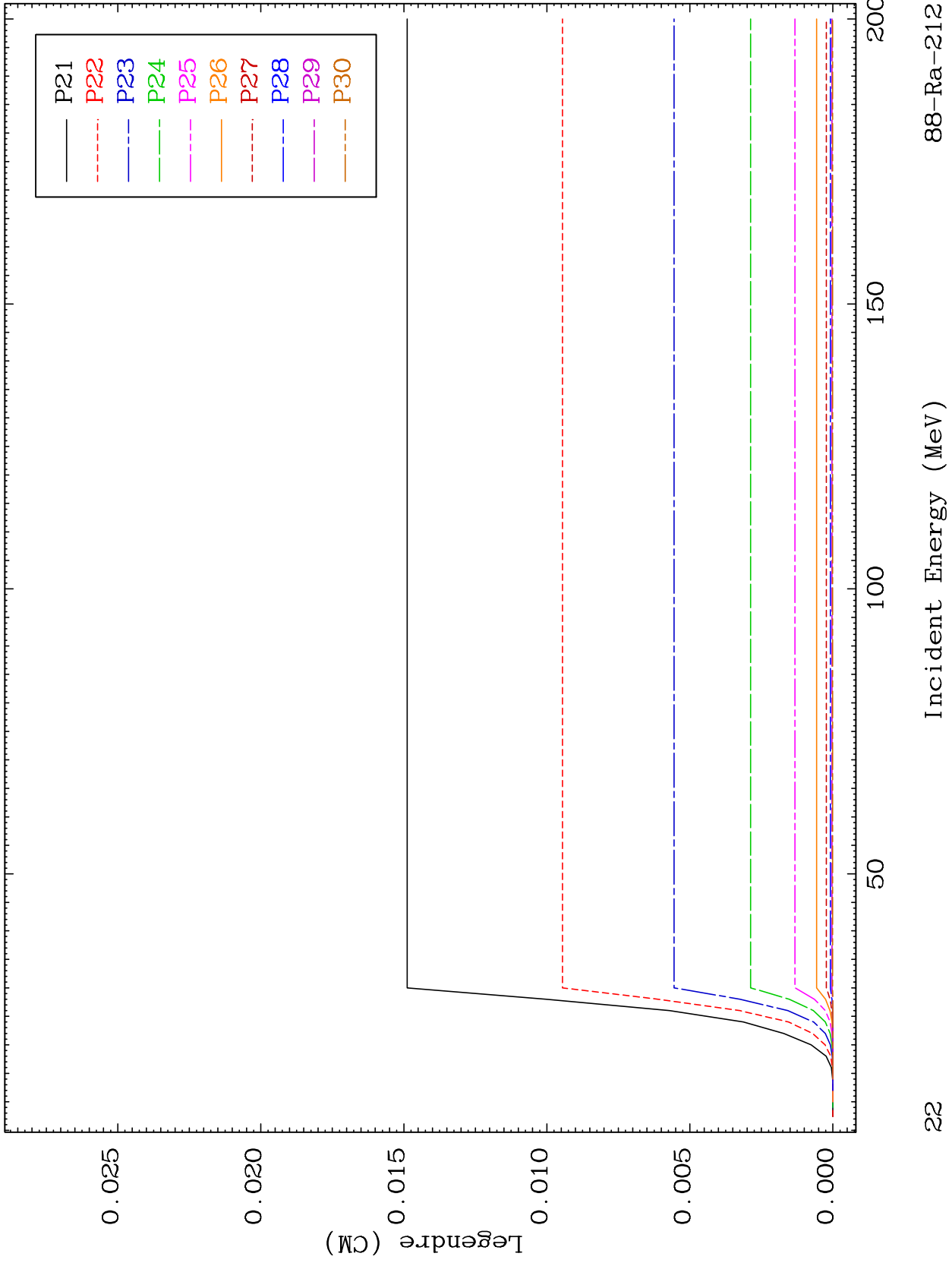
88-Ra-212



21

Incident Energy (MeV)

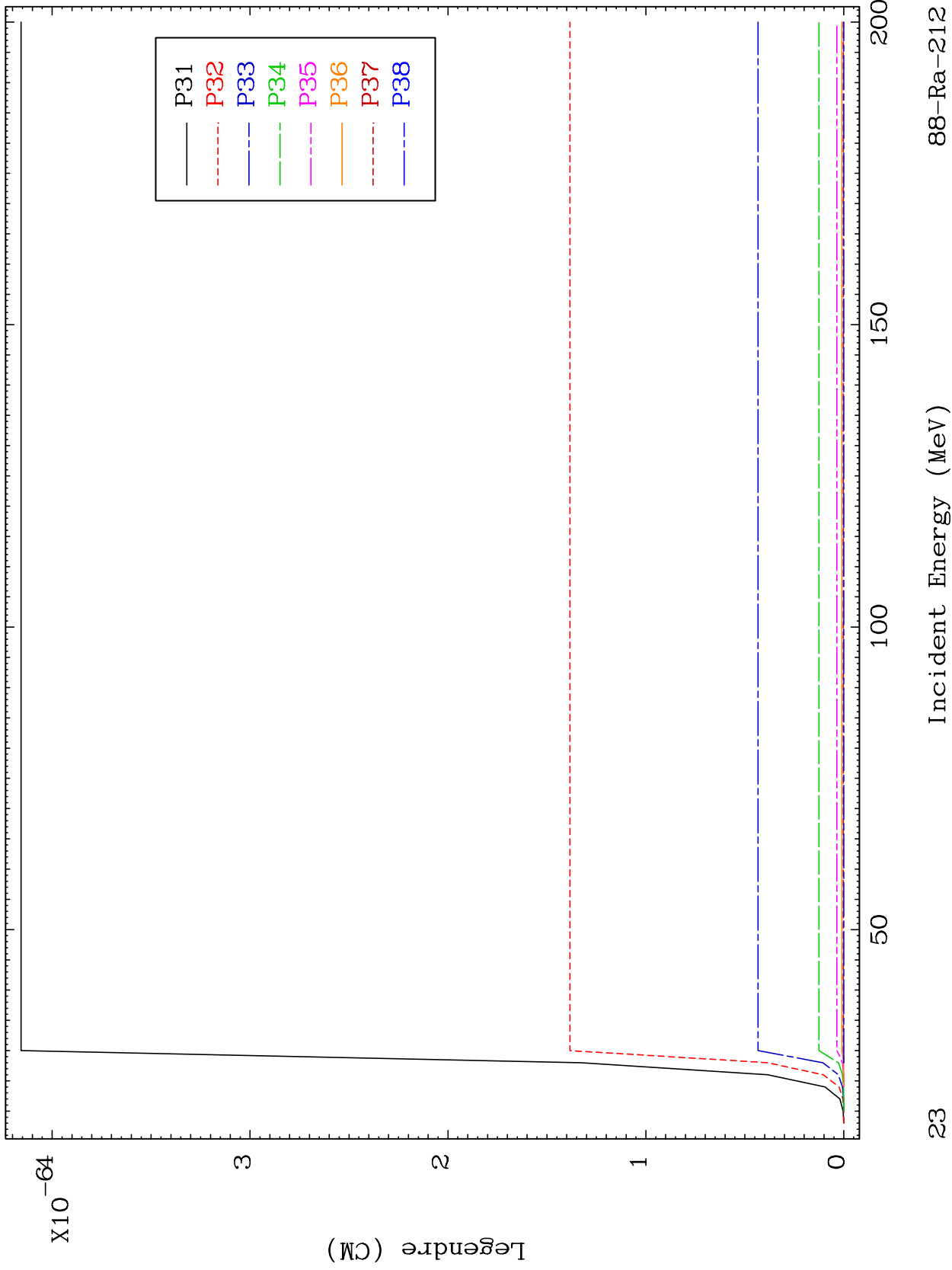
88-Ra-212



MAT 8792

629.3 keV (n,n') Level  
Legendre Coefficients

88-Ra-212

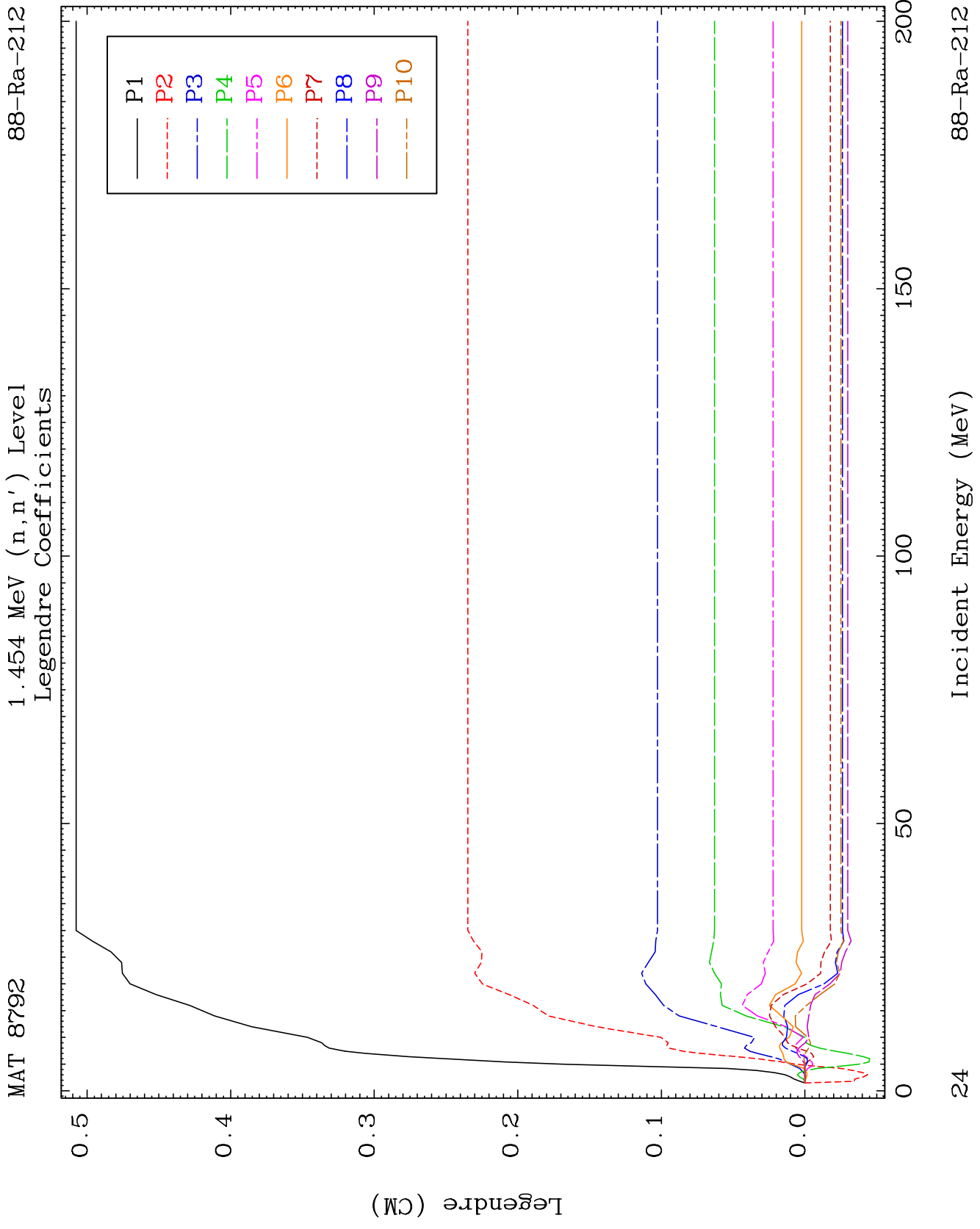


23

Incident Energy (MeV)

88-Ra-212

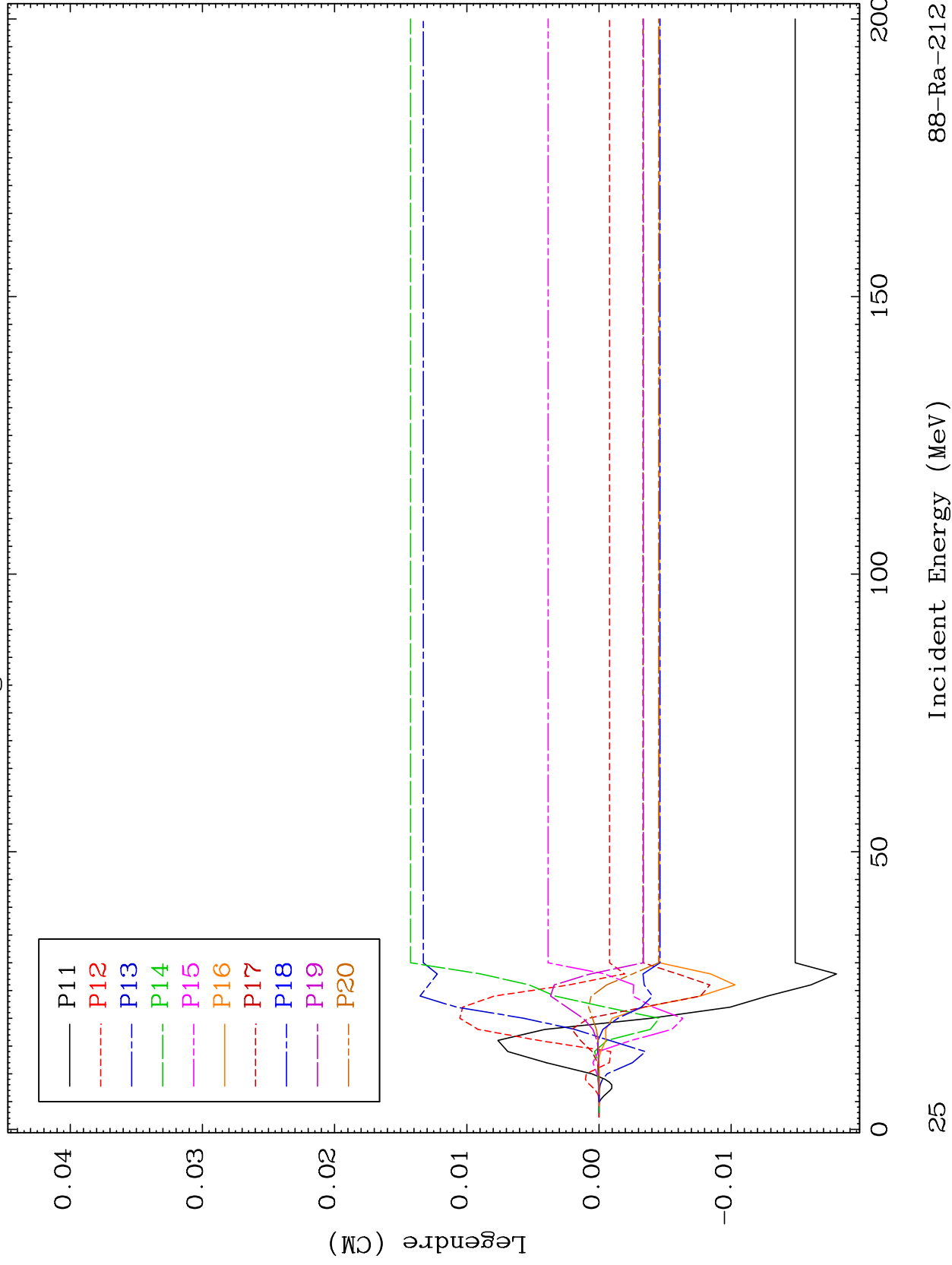




MAT 8792

1.454 MeV (n, n') Level  
Legendre Coefficients

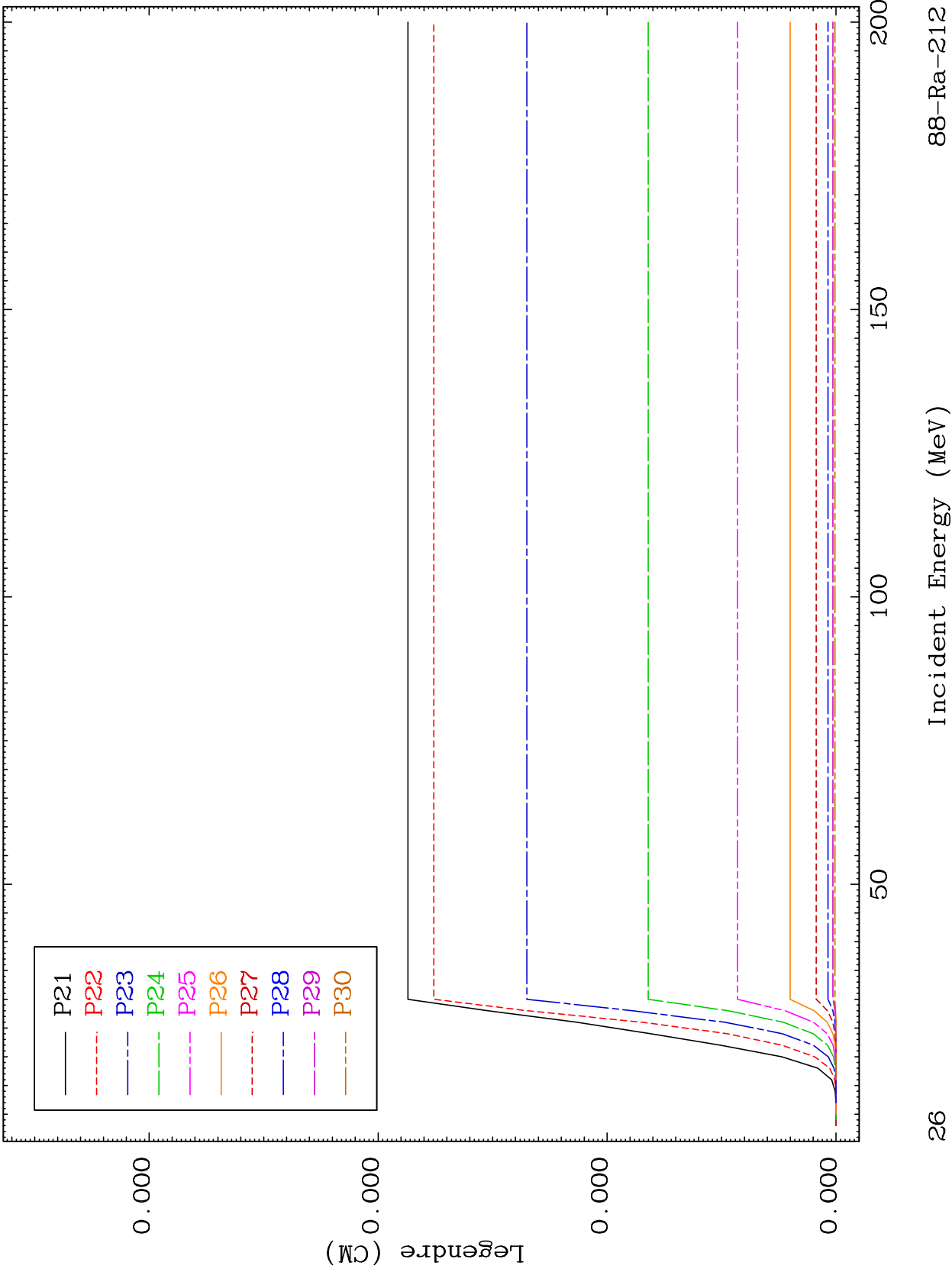
88-Ra-212

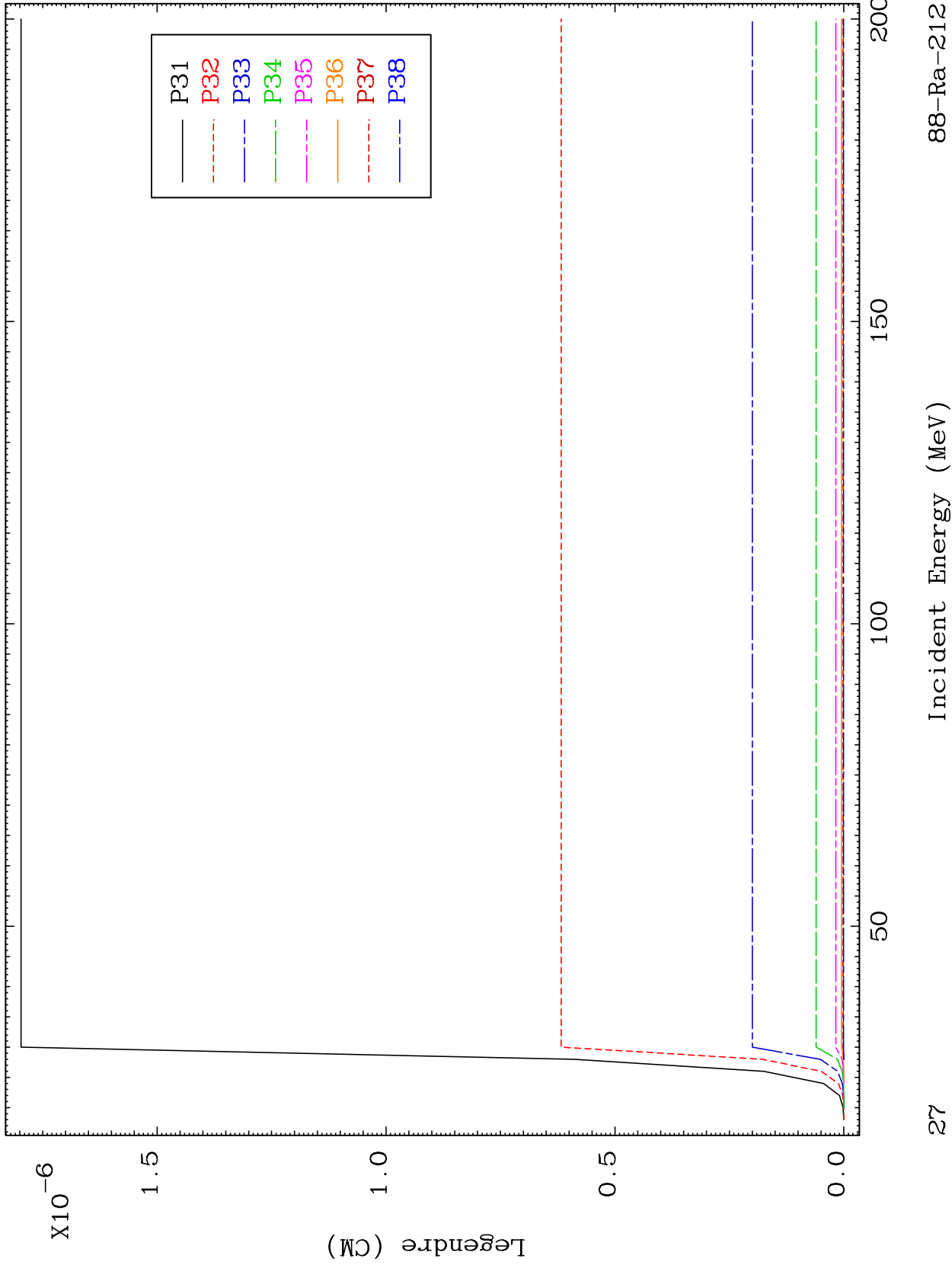


88-Ra-212

Incident Energy (MeV)

25

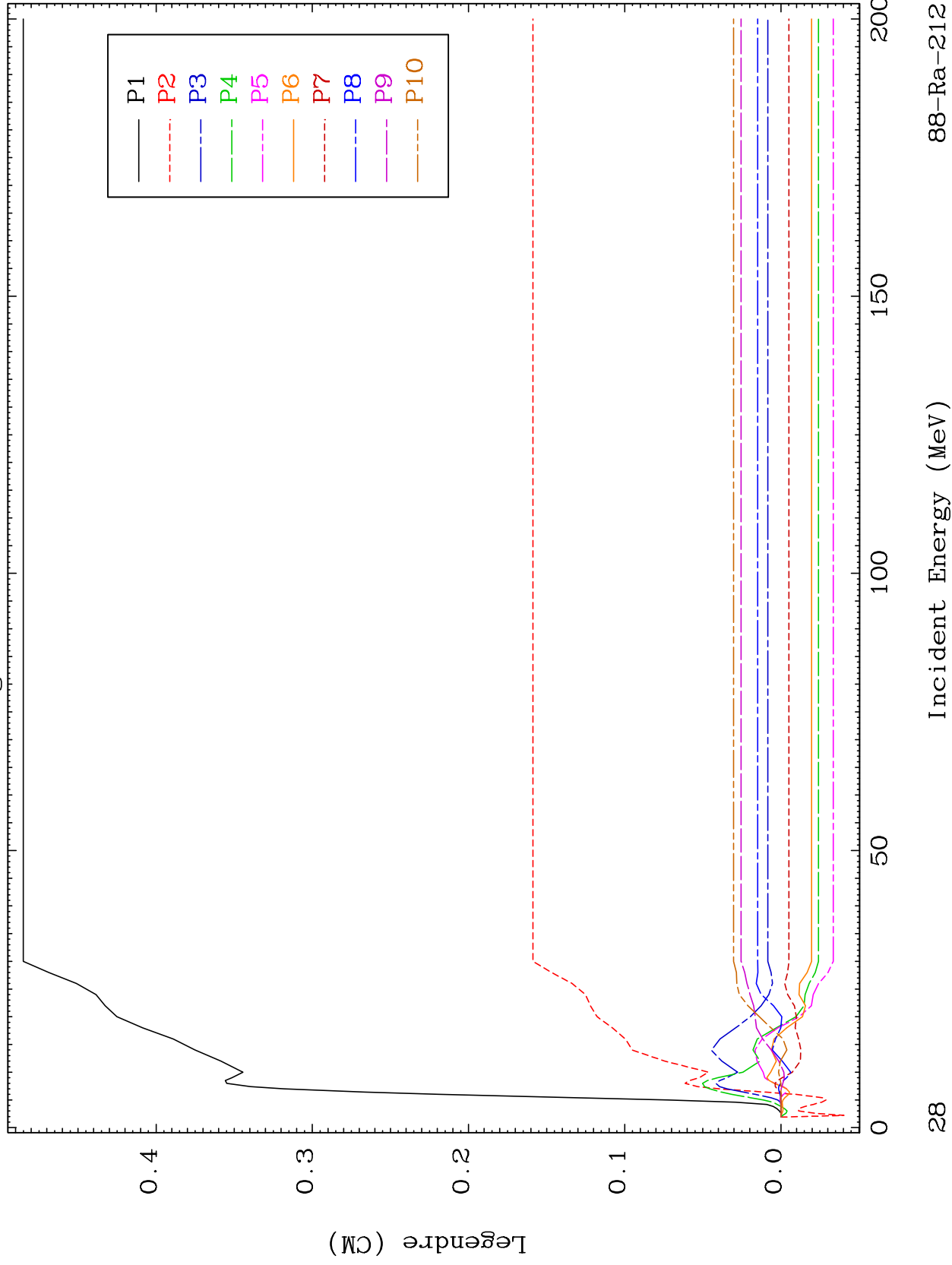




MAT 8792

1.895 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



88-Ra-212

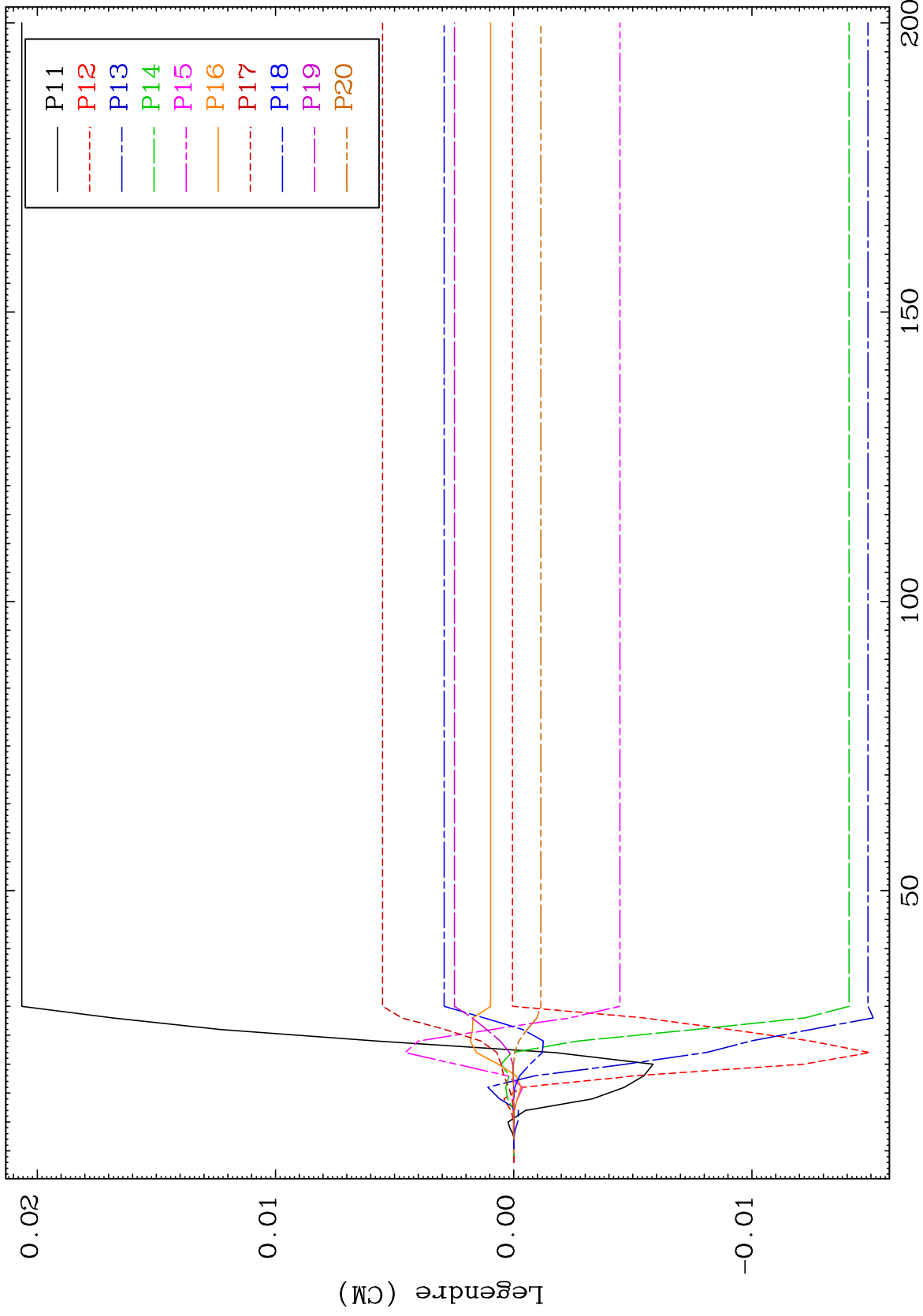
Incident Energy (MeV)

28

MAT 8792

1.895 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



29

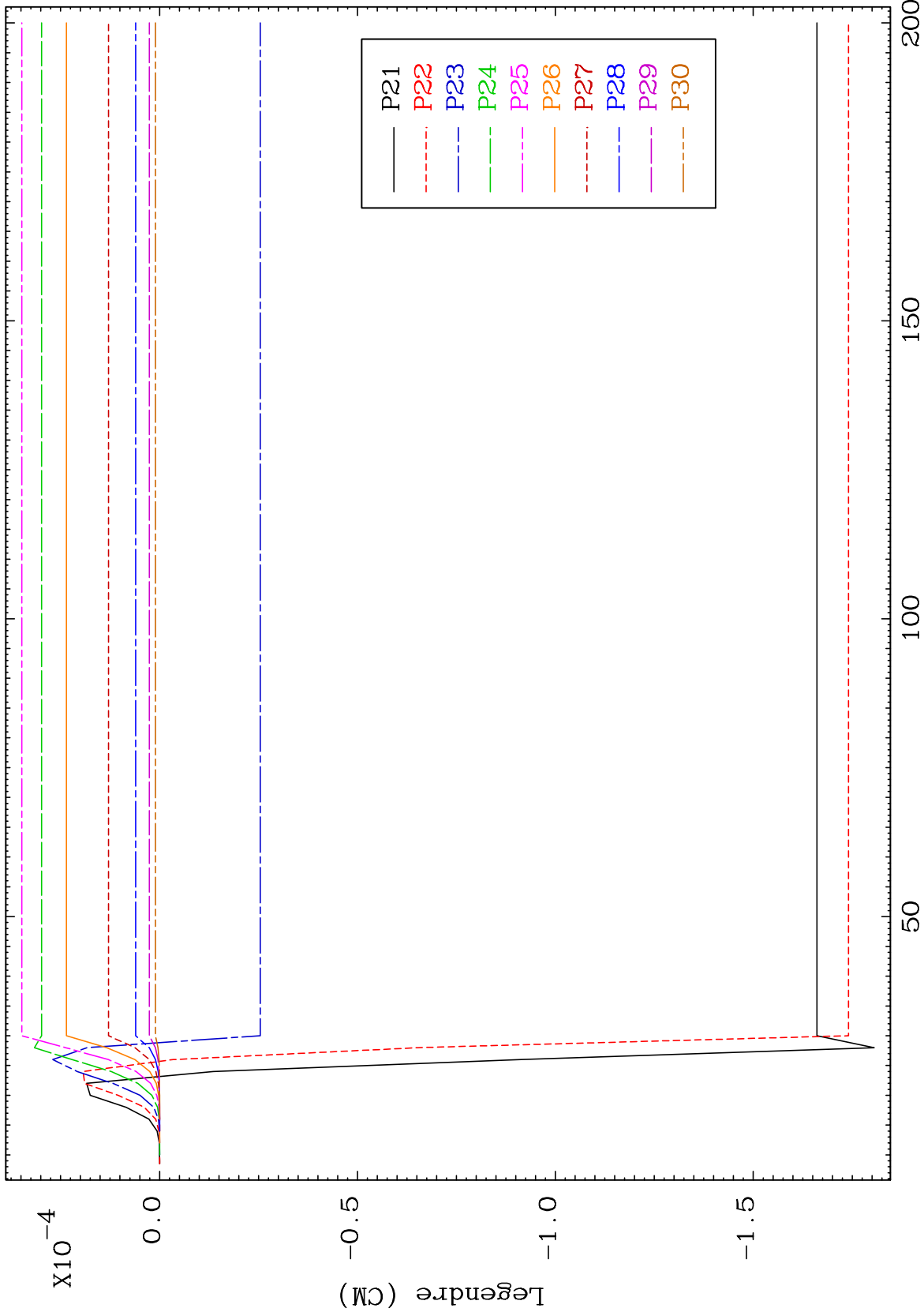
Incident Energy (MeV)

88-Ra-212

MAT 8792

1.895 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



30

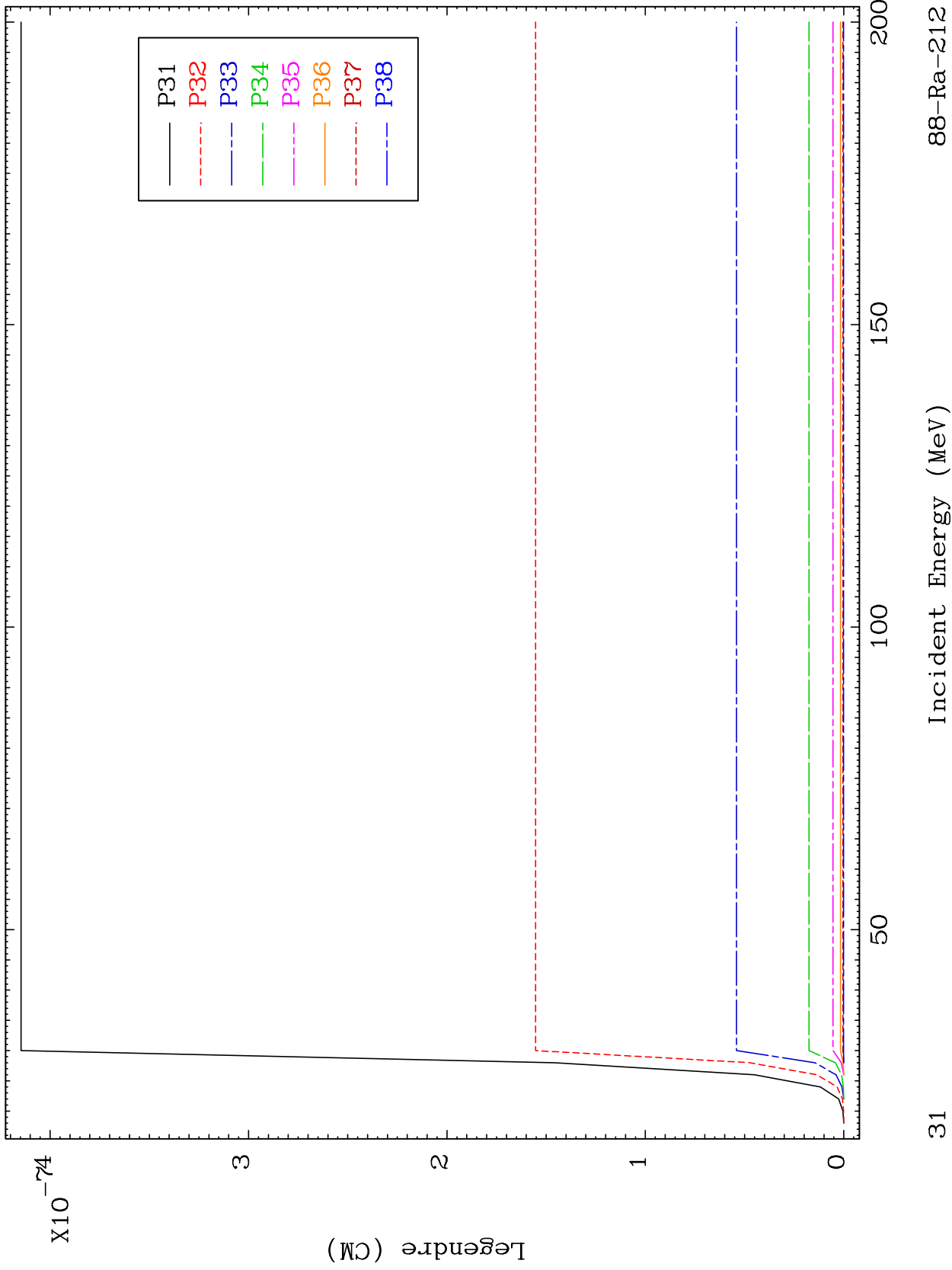
Incident Energy (MeV)

88-Ra-212

MAT 8792

1.895 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212

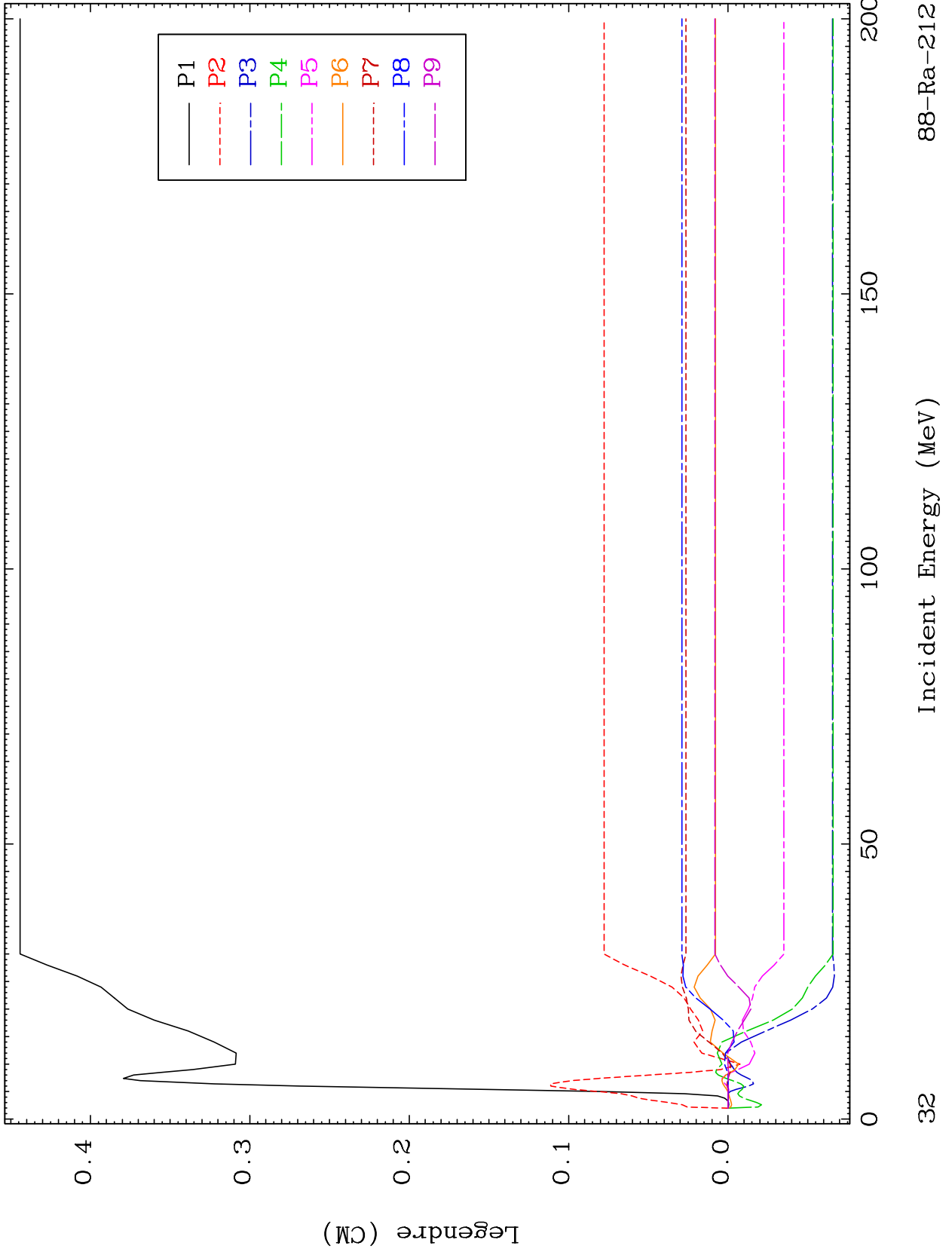




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1.958 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



32

Incident Energy (MeV)

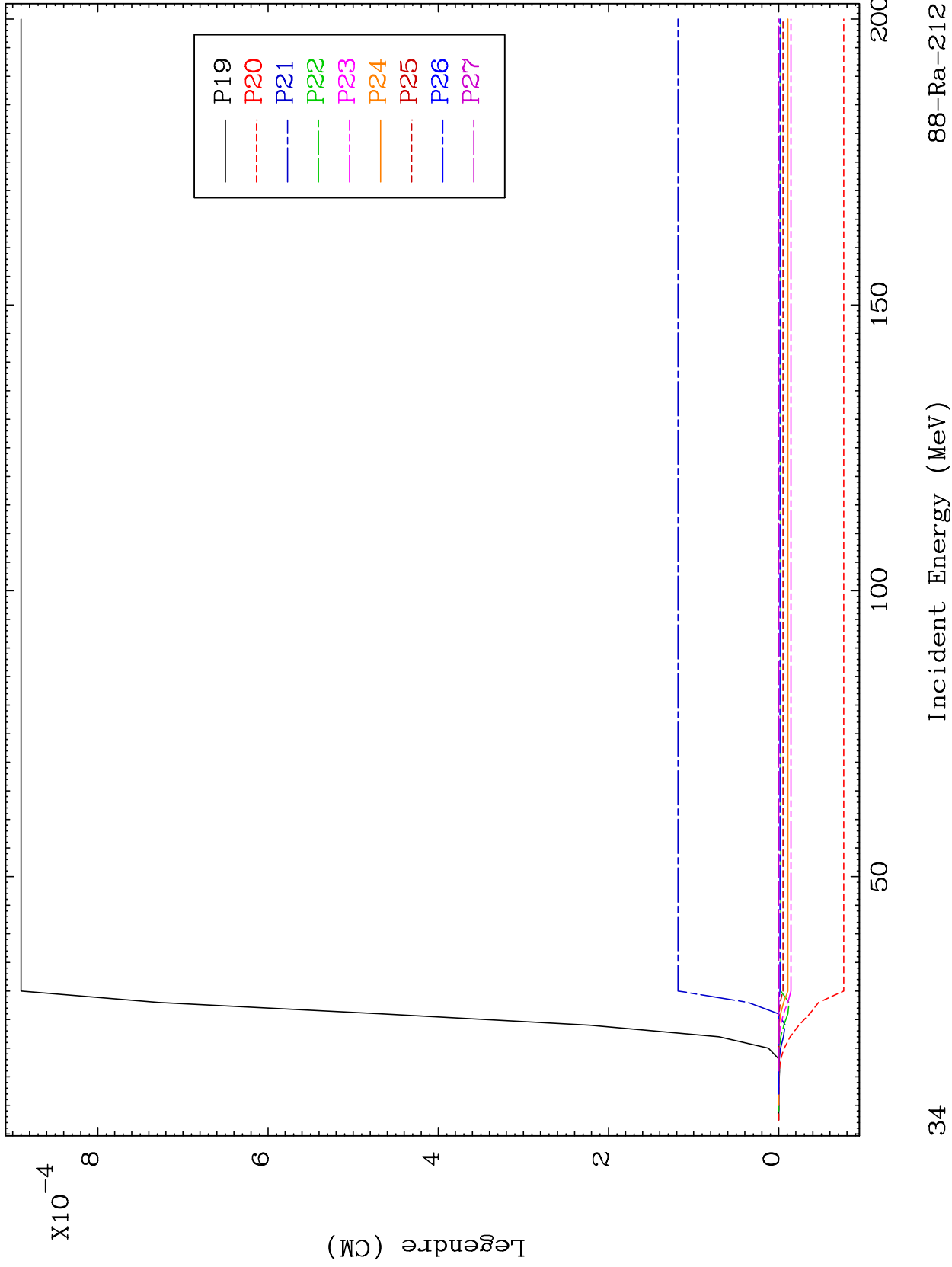
88-Ra-212



MAT 8792

1.958 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



34

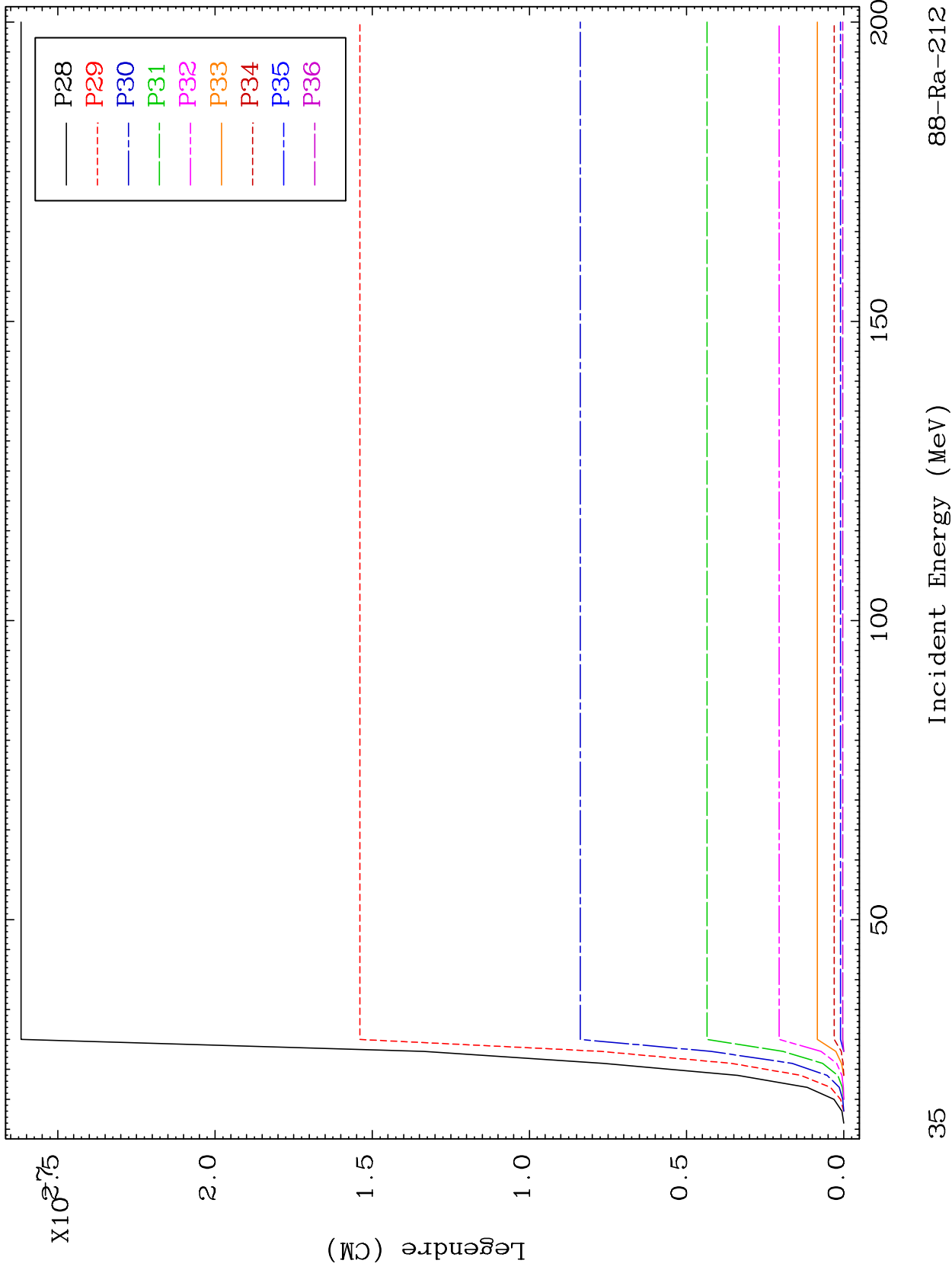
Incident Energy (MeV)

88-Ra-212

MAT 8792

1.958 MeV (n, n') Level  
Legendre Coefficients

88-Ra-212



35

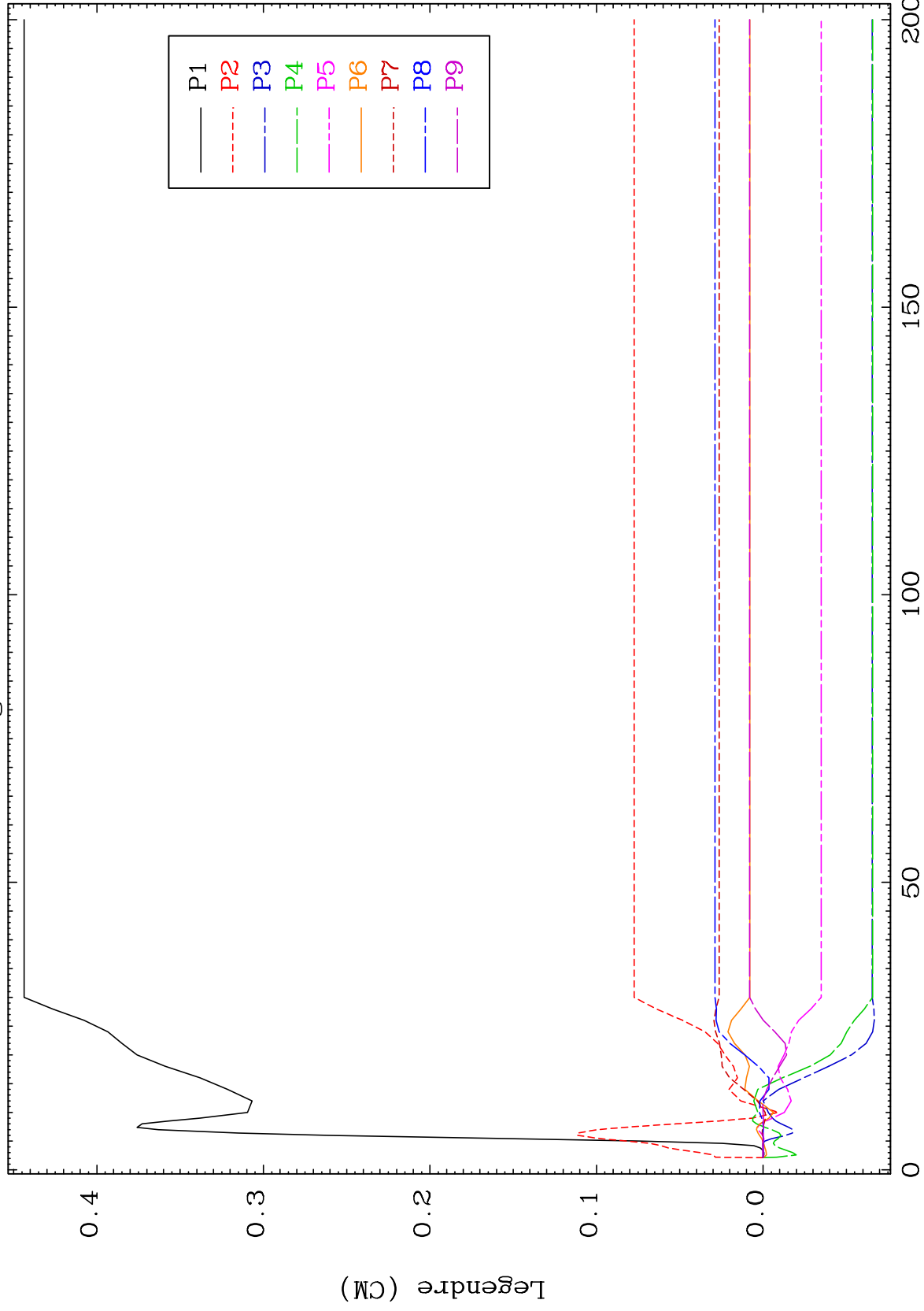
Incident Energy (MeV)

88-Ra-212

MAT 8792

2.109 MeV (n, n') Level  
Legendre Coefficients

88-Ra-212



36

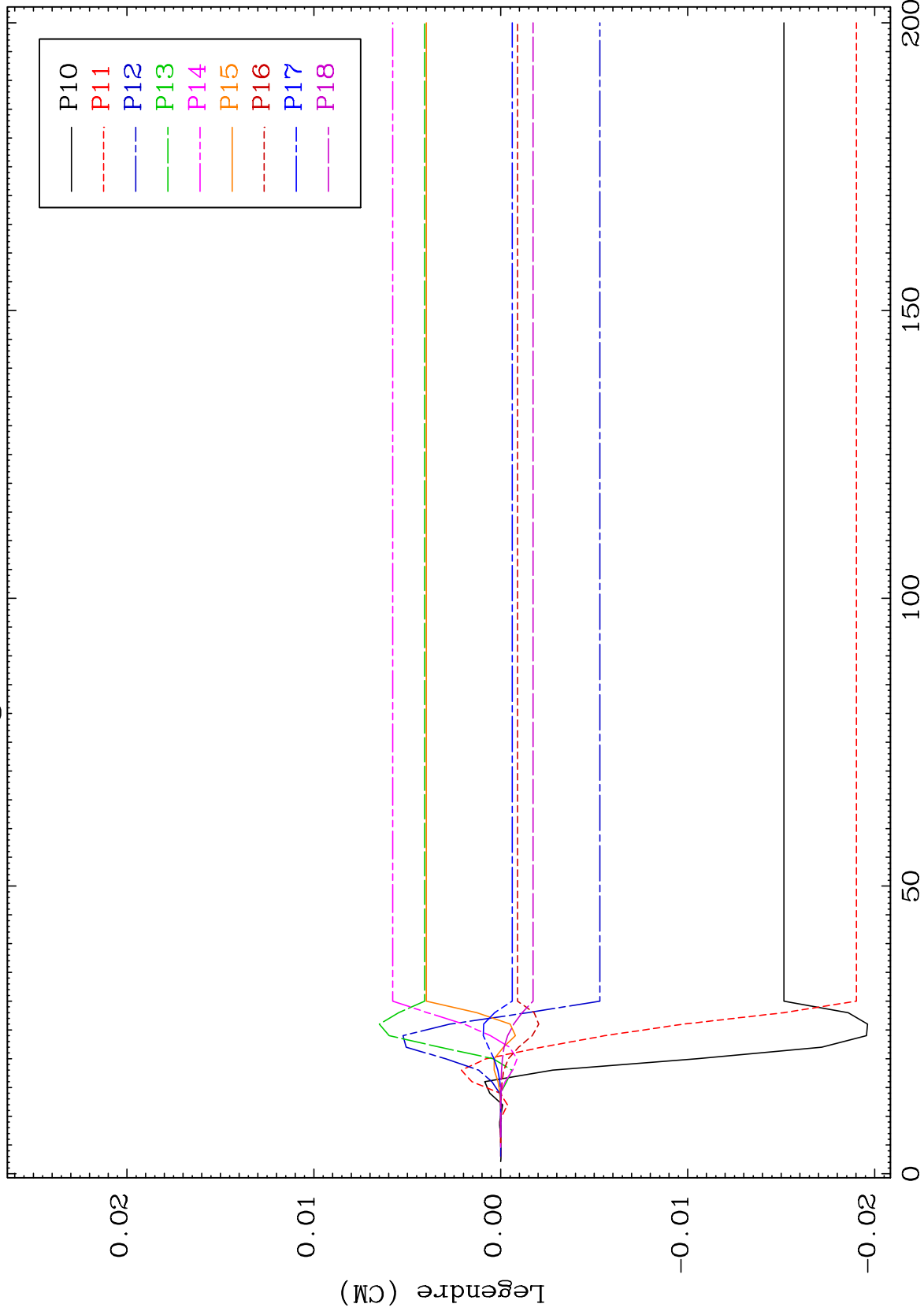
Incident Energy (MeV)

88-Ra-212

MAT 8792

2.109 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



37

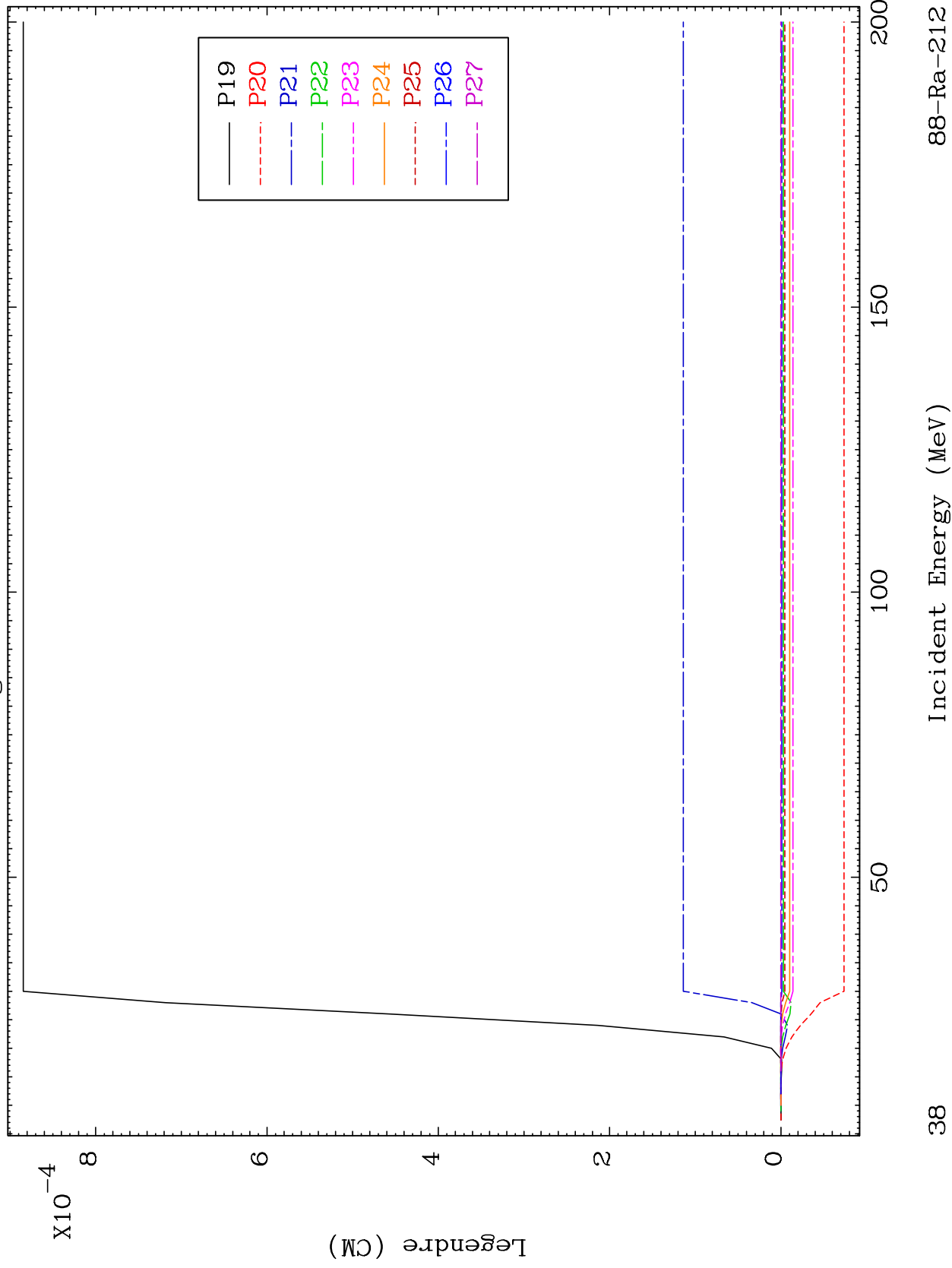
Incident Energy (MeV)

88-Ra-212

MAT 8792

2.109 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



38

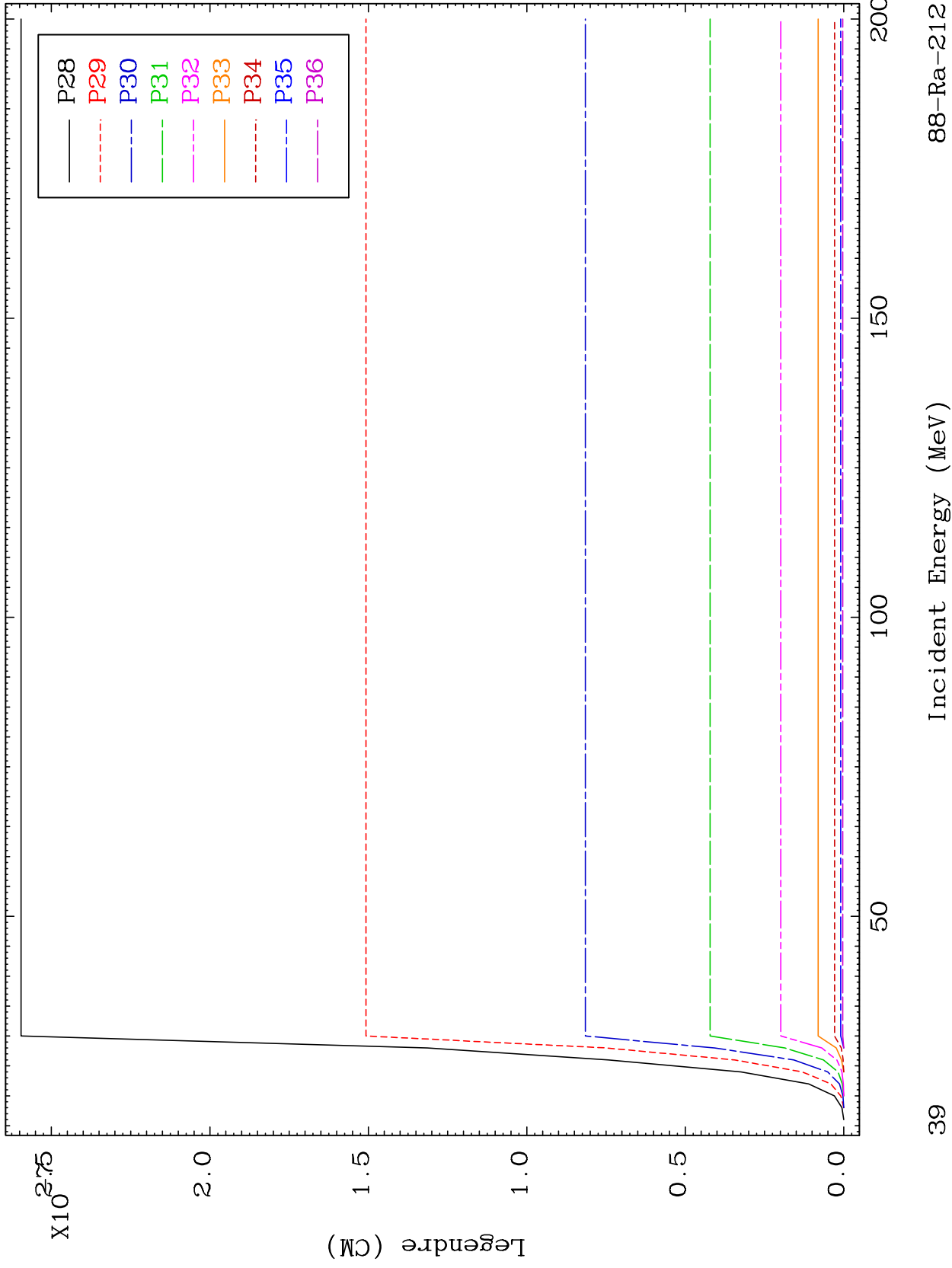
Incident Energy (MeV)

88-Ra-212

MAT 8792

2.109 MeV (n, n') Level  
Legendre Coefficients

88-Ra-212



39

Incident Energy (MeV)

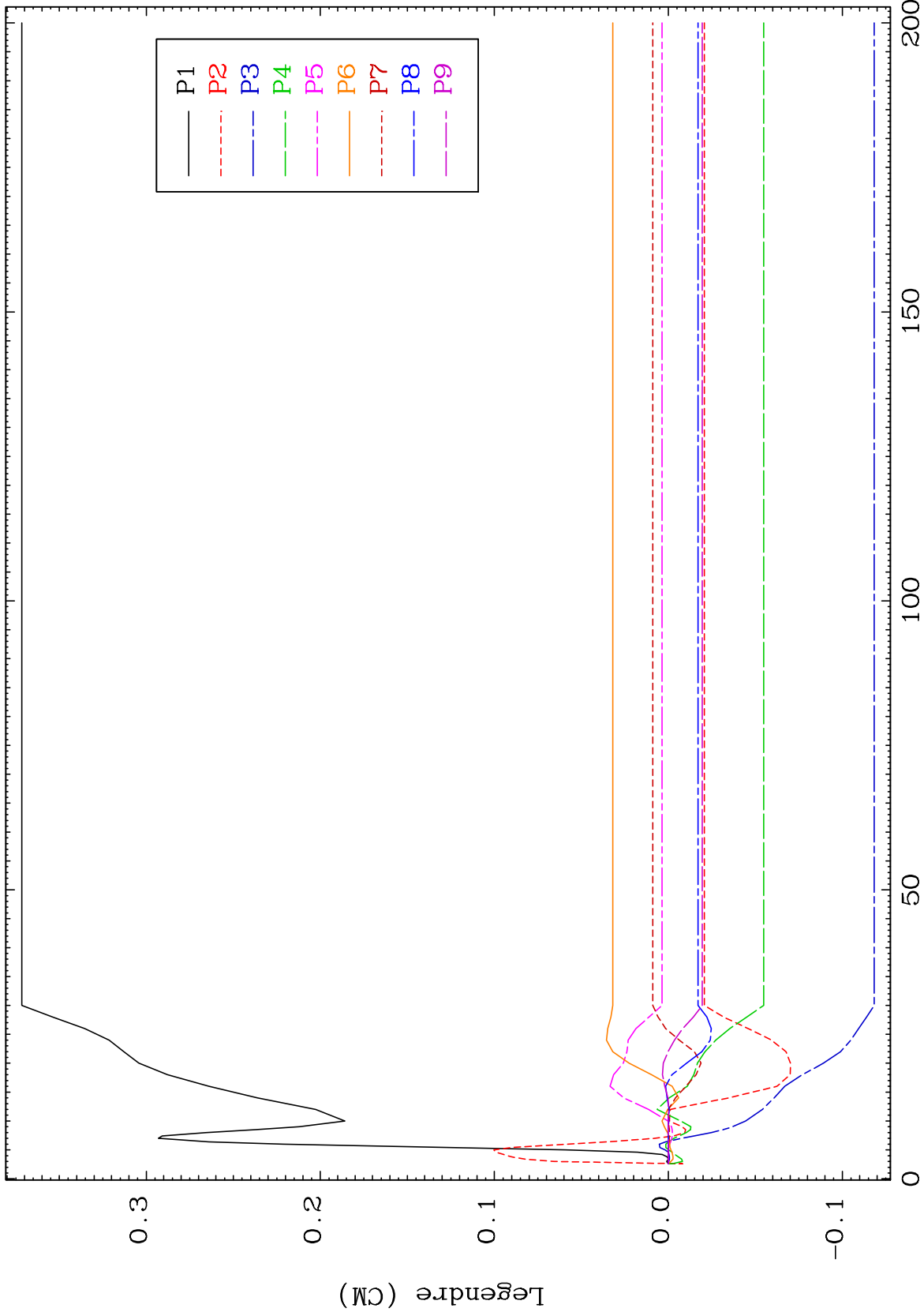
88-Ra-212



MAT 8792

2.577 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



88-Ra-212

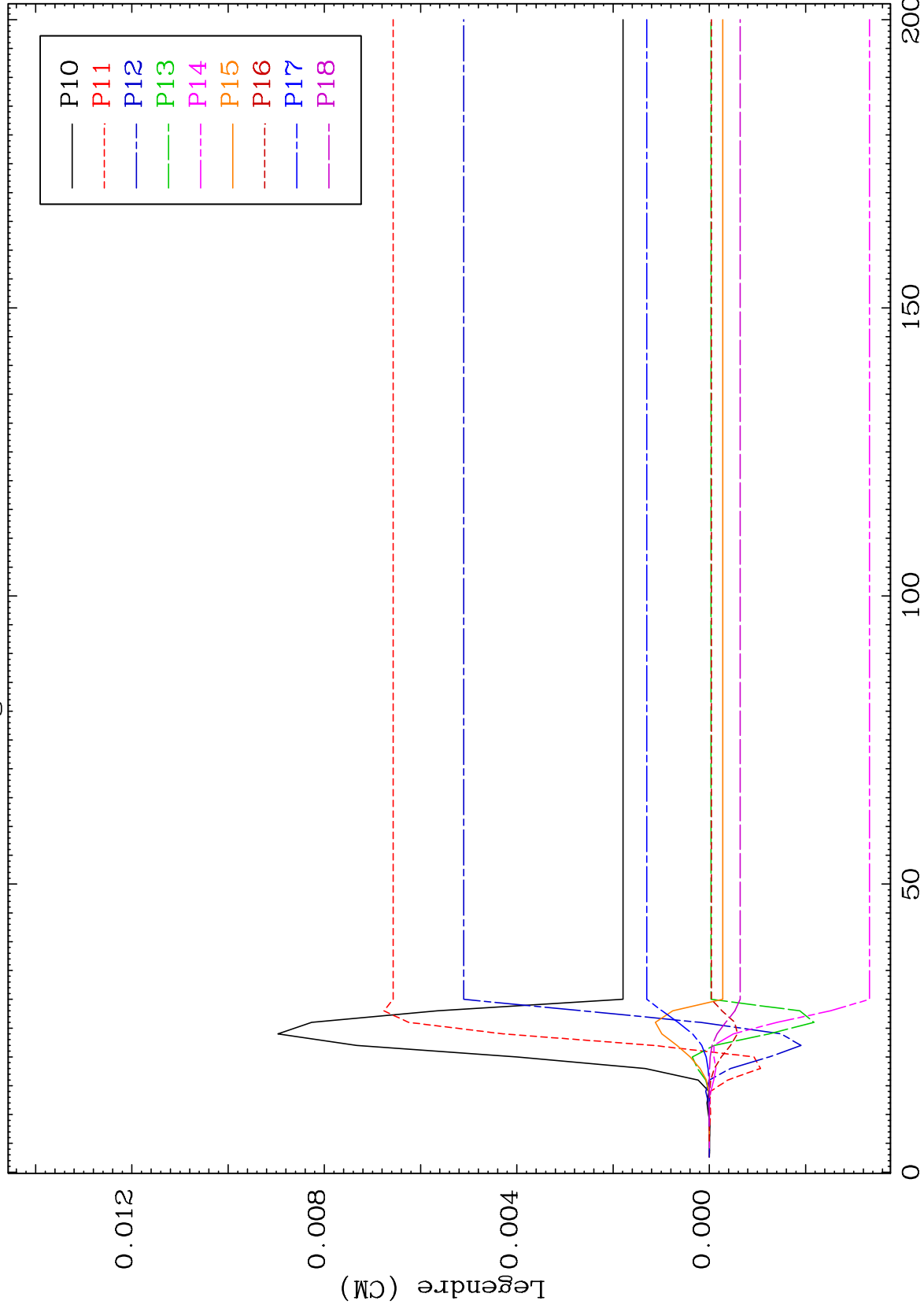
Incident Energy (MeV)

40

MAT 8792

2.577 MeV (n,n') Level  
Legendre Coefficients

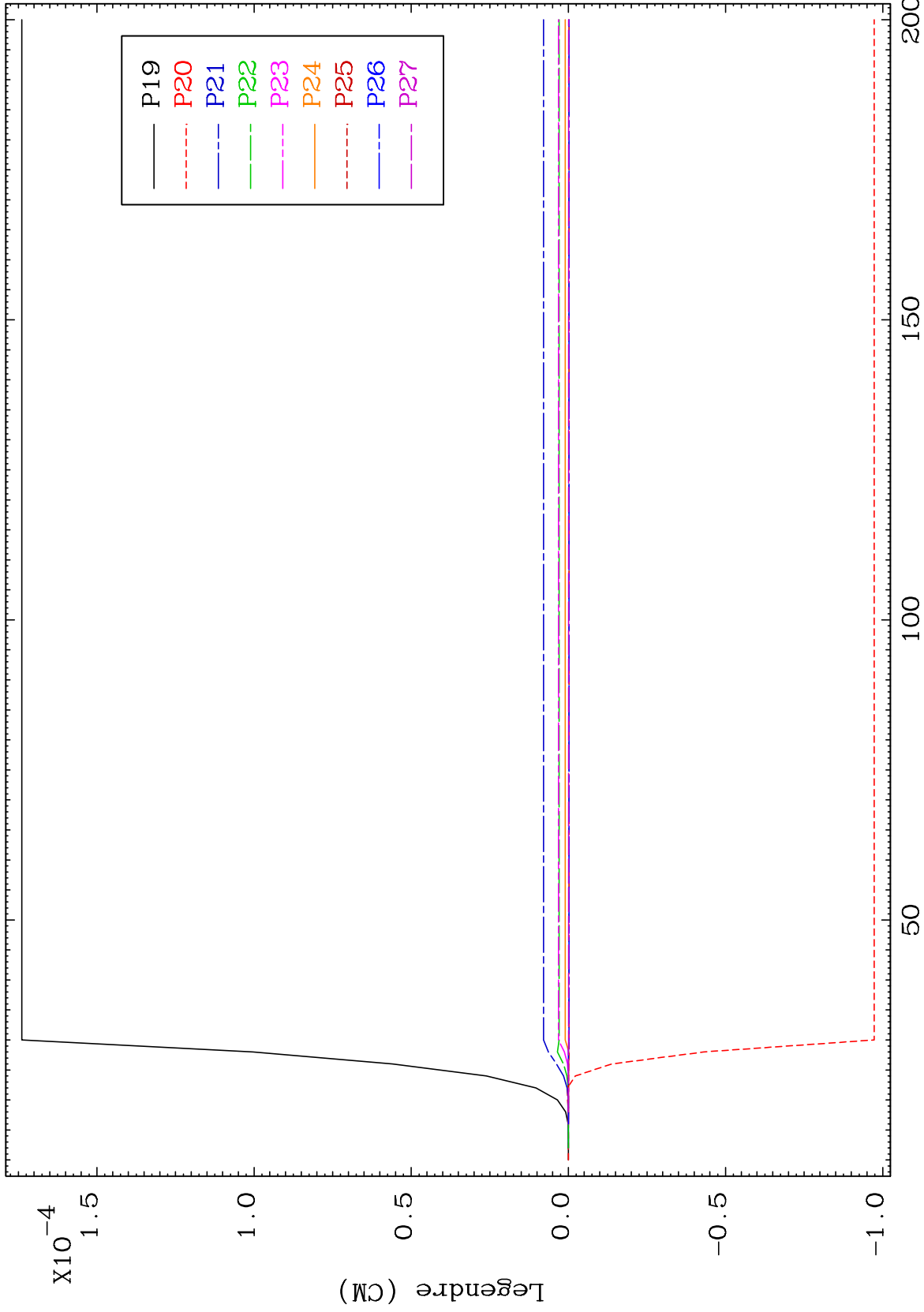
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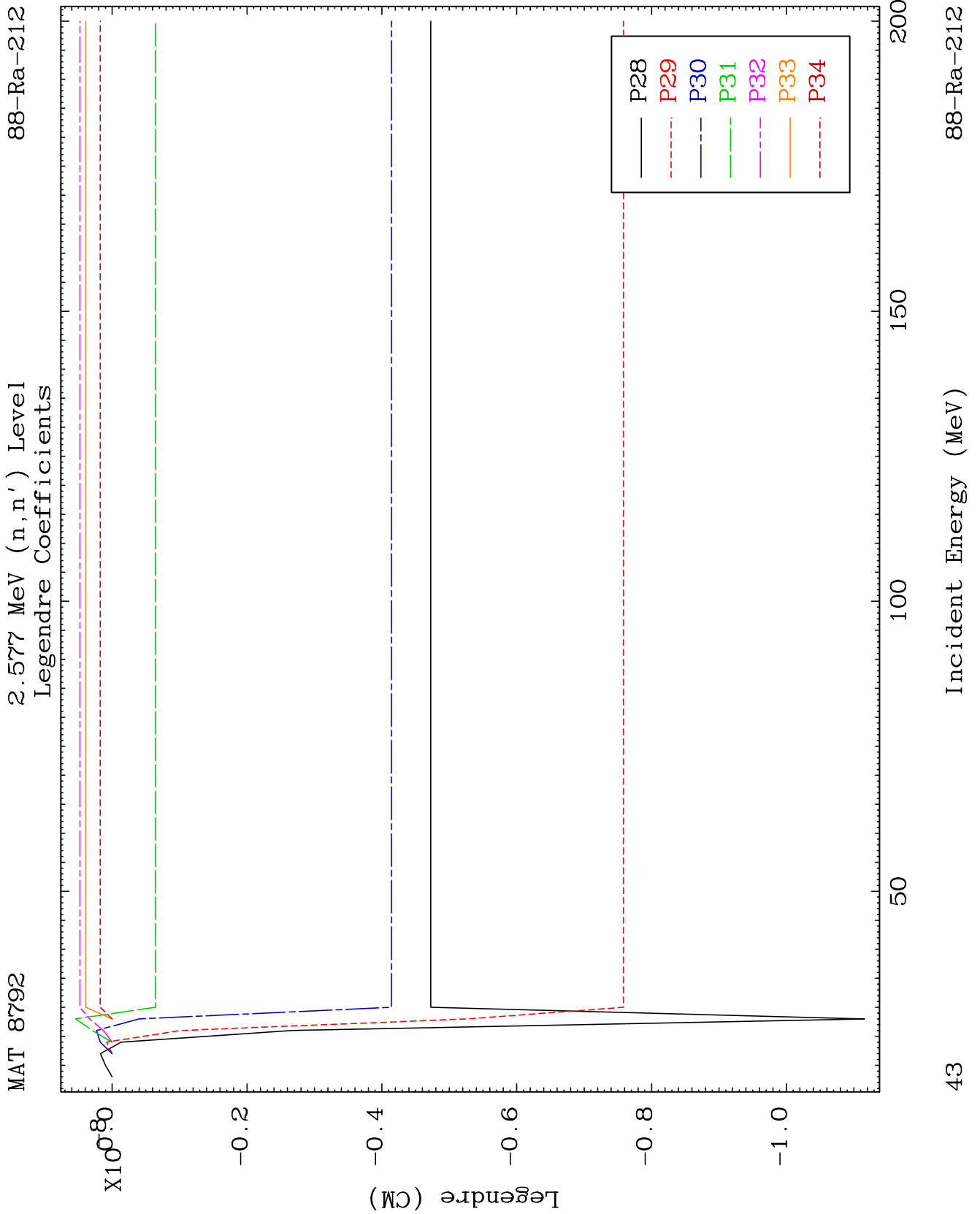


41

Incident Energy (MeV)

88-Ra-212

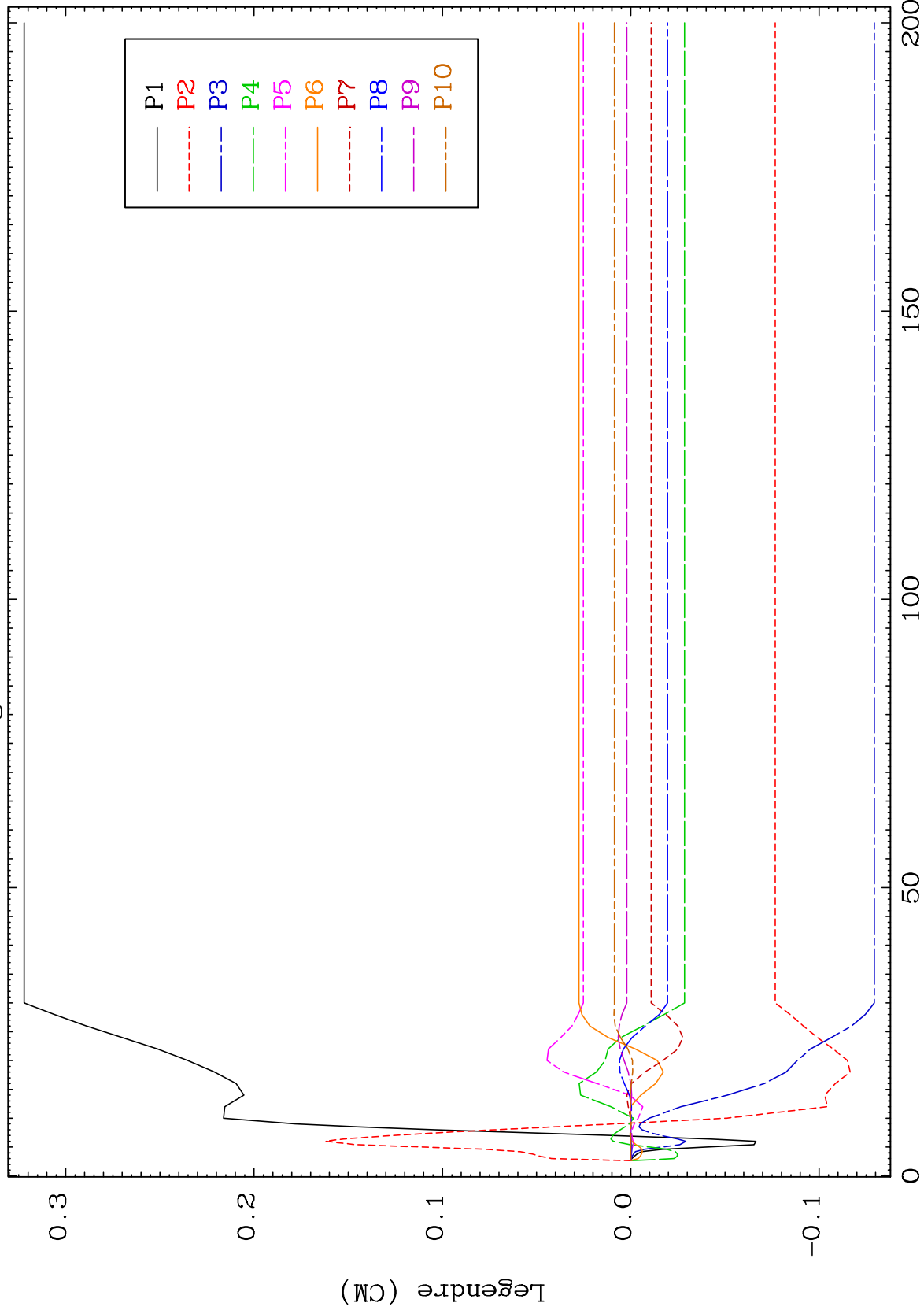




MAT 8792

2.613 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



44

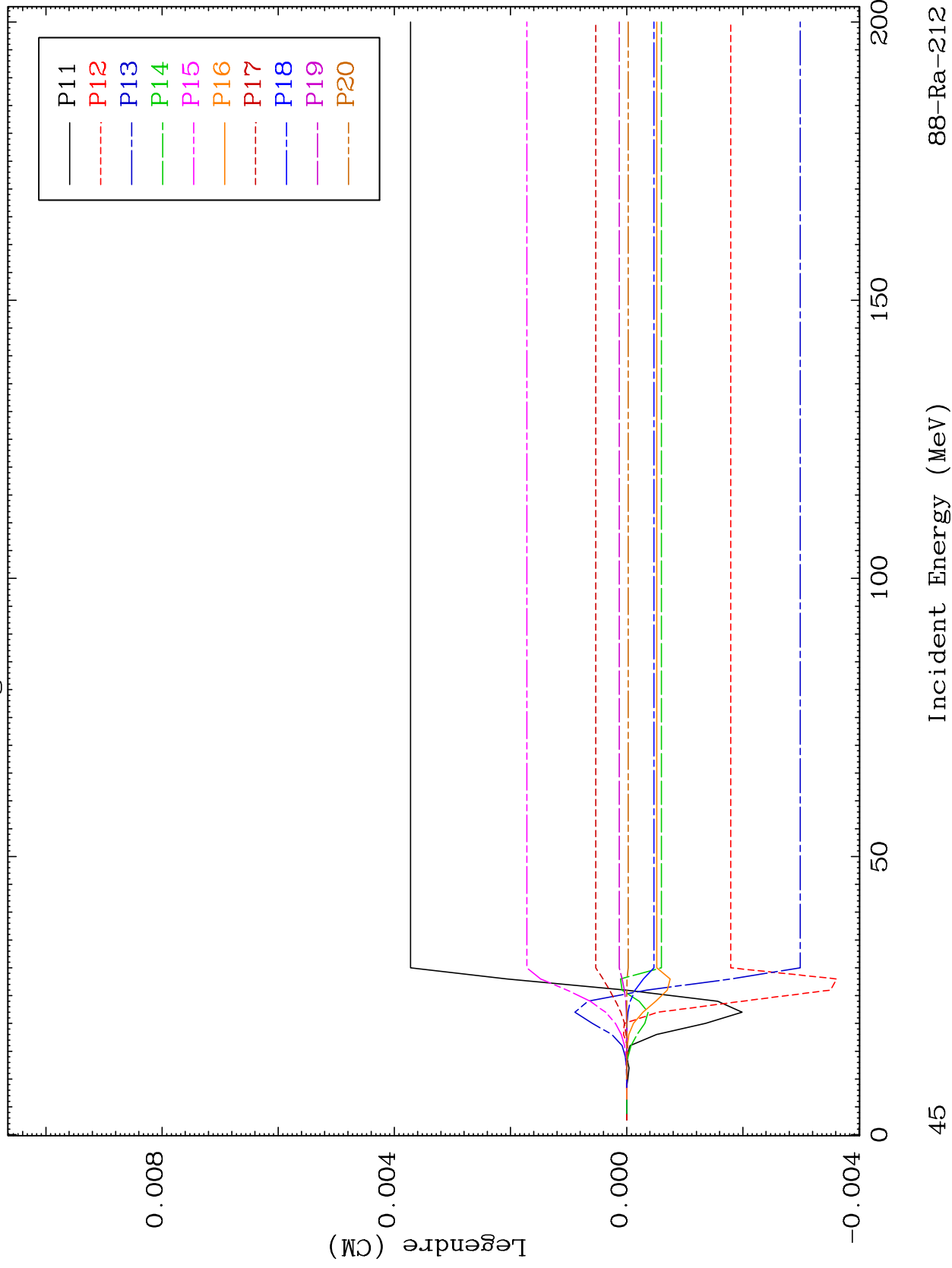
Incident Energy (MeV)

88-Ra-212

MAT 8792

2.613 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



88-Ra-212

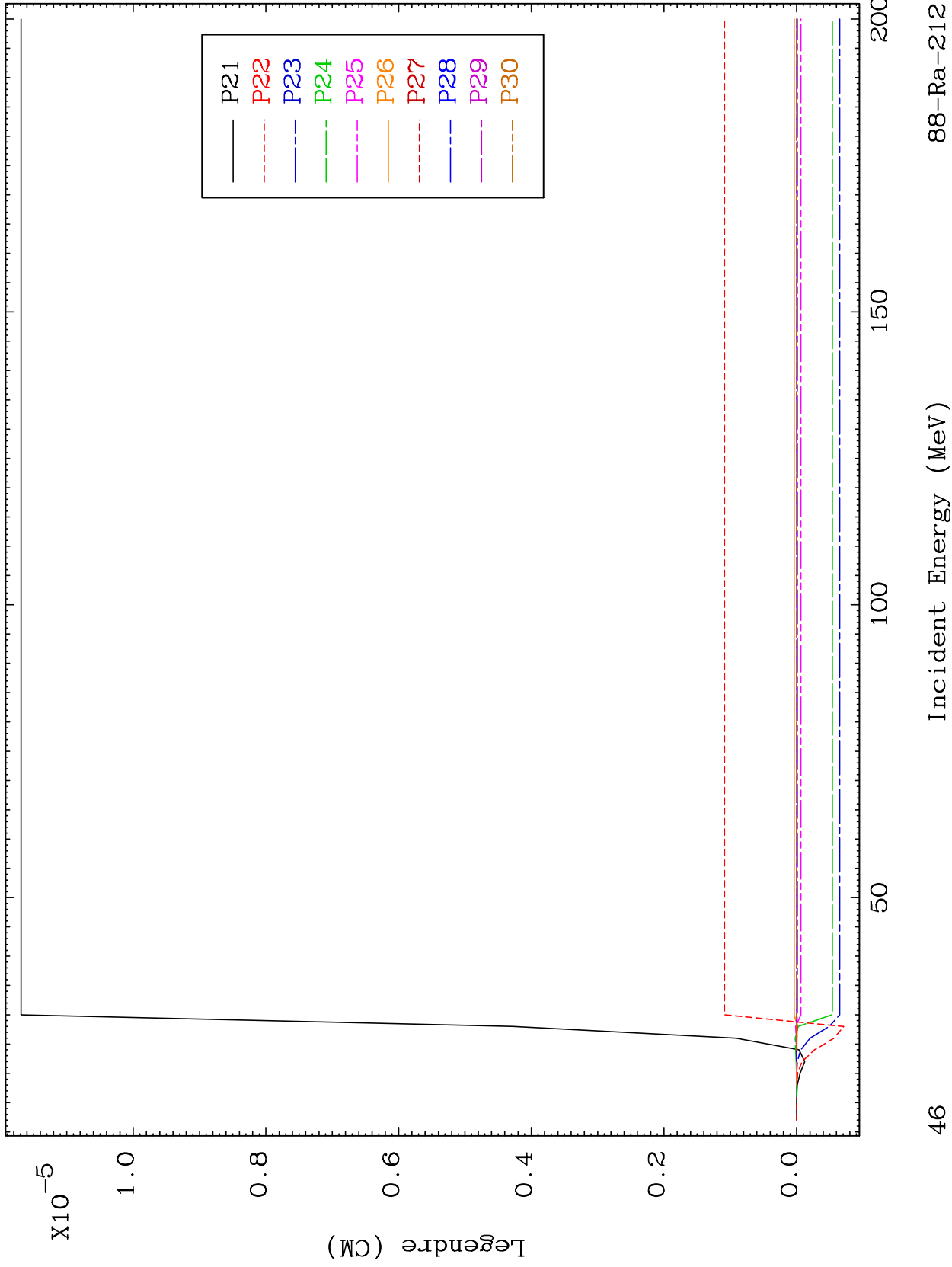
Incident Energy (MeV)

45

MAT 8792

2.613 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



46

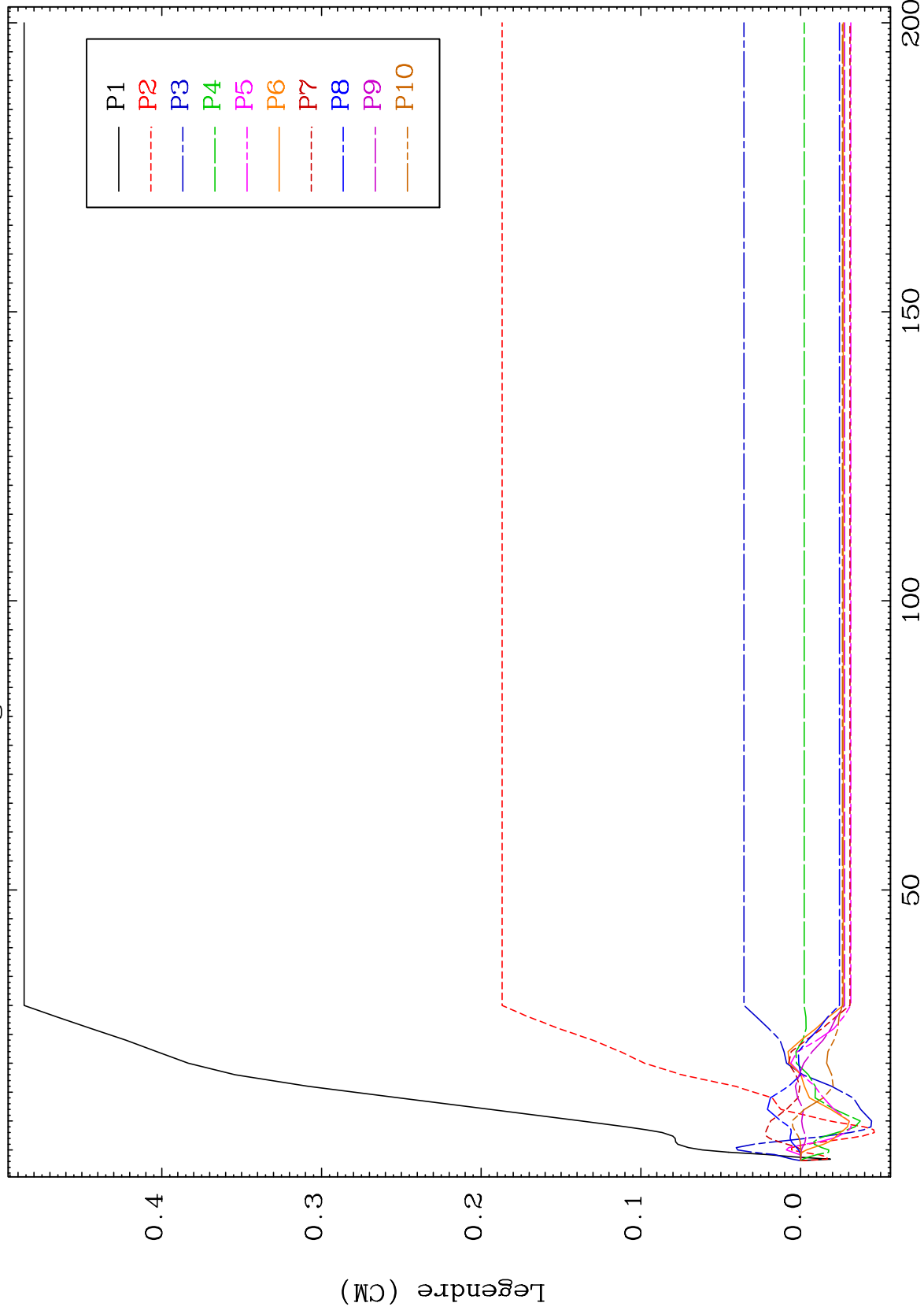
Incident Energy (MeV)

88-Ra-212

MAT 8792

3.122 MeV (n,n') Level  
Legendre Coefficients

88-Ra-212



47

Incident Energy (MeV)

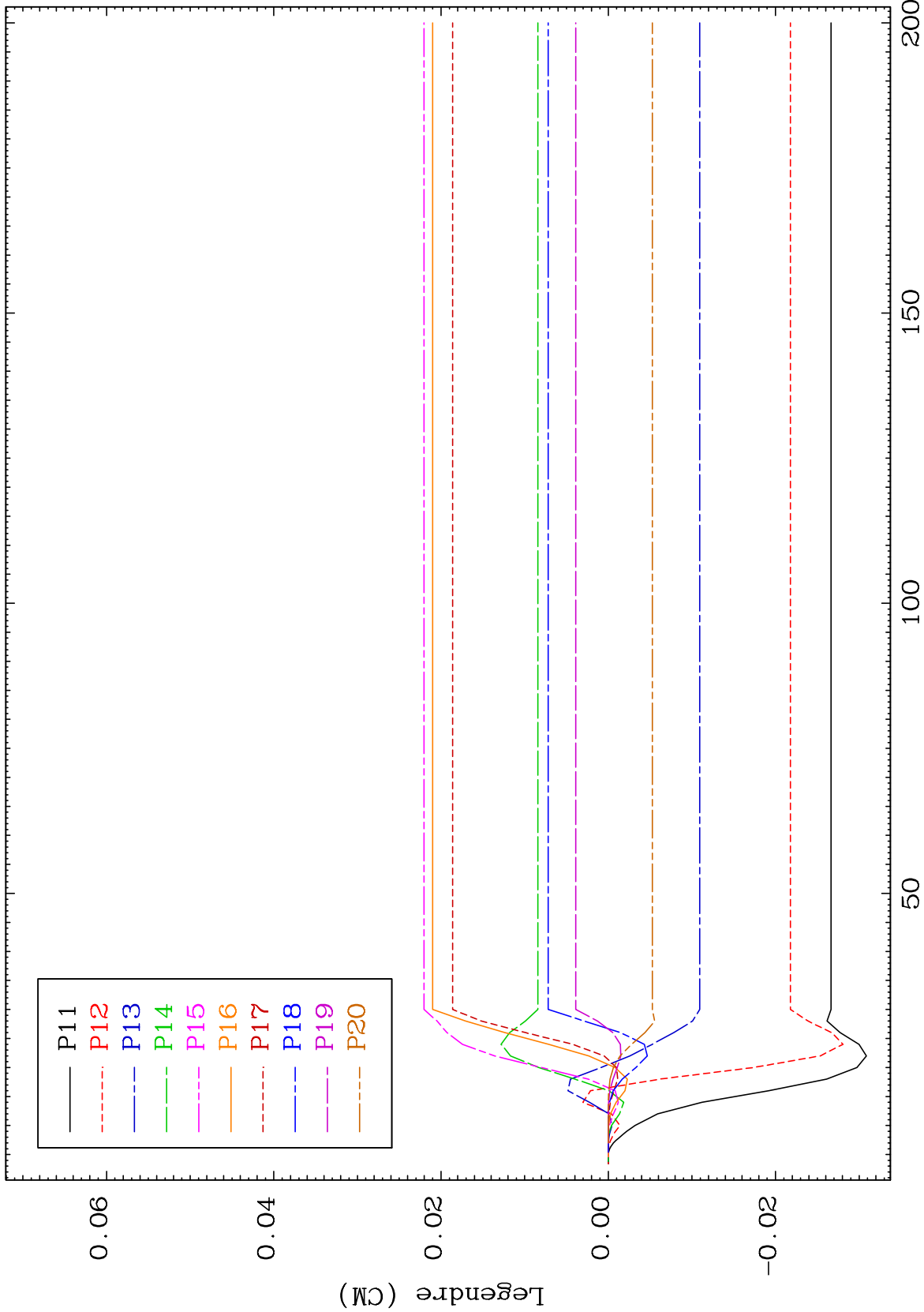
88-Ra-212



MAT 8792

3.122 MeV (n,n') Level  
Legendre Coefficients

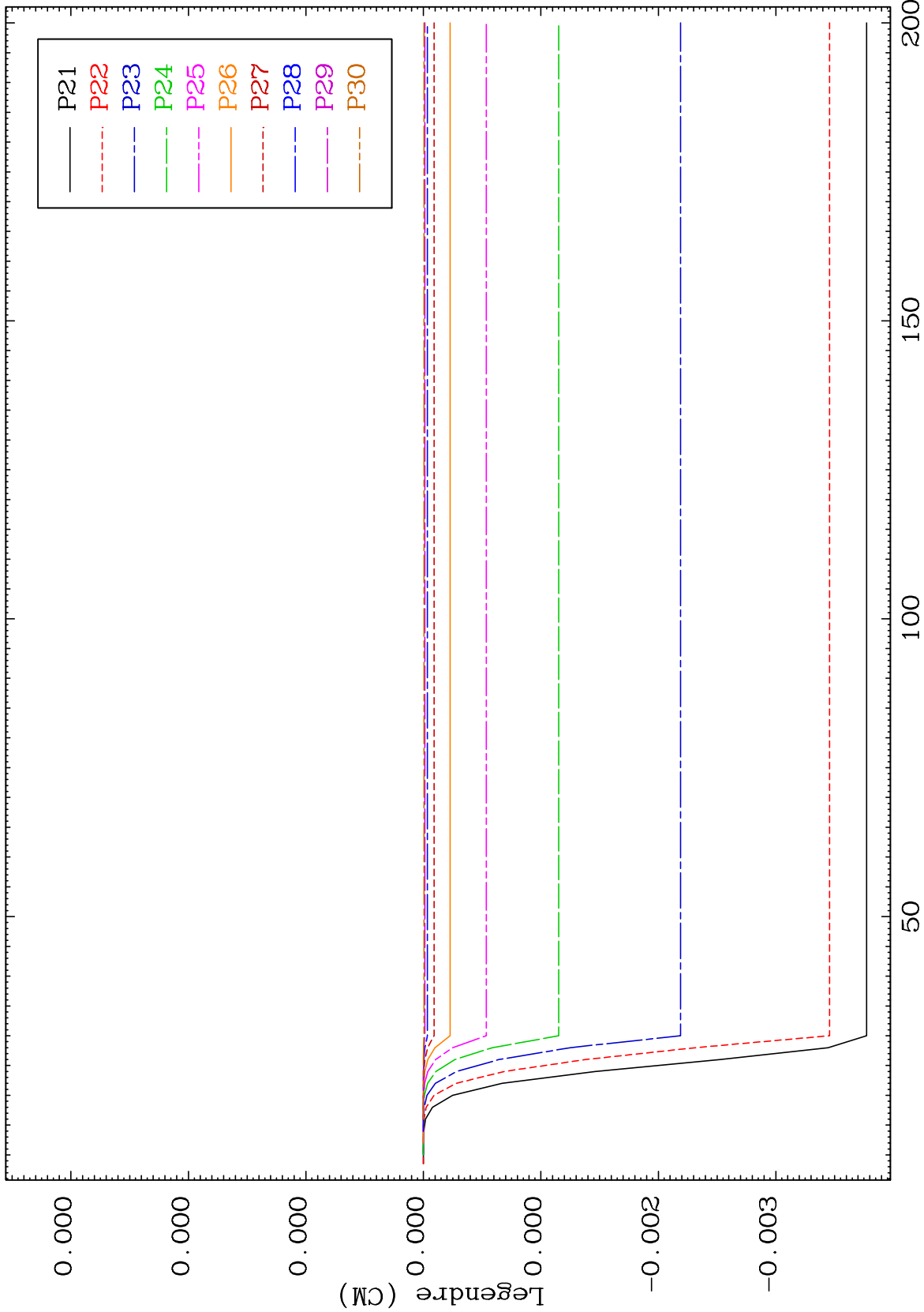
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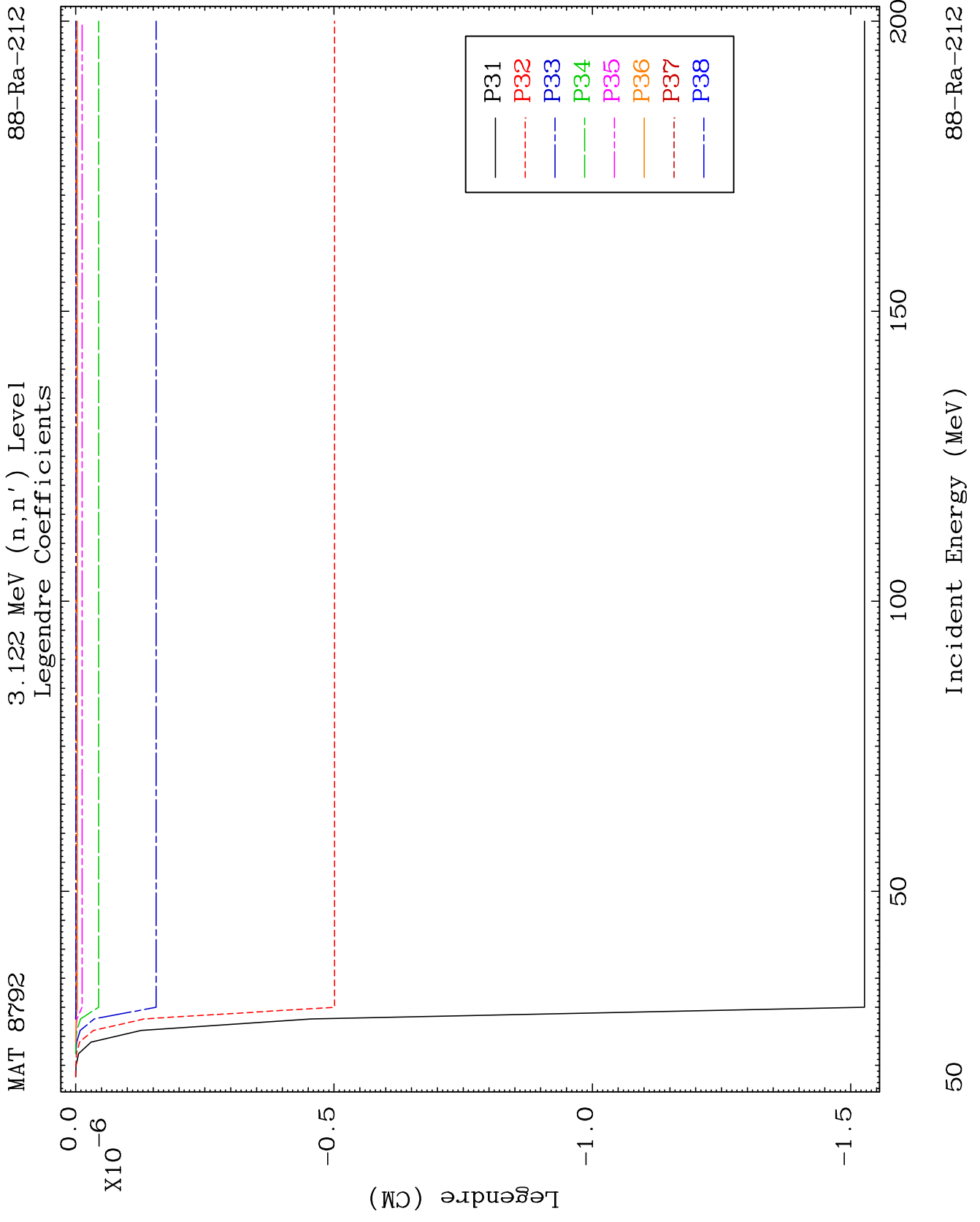


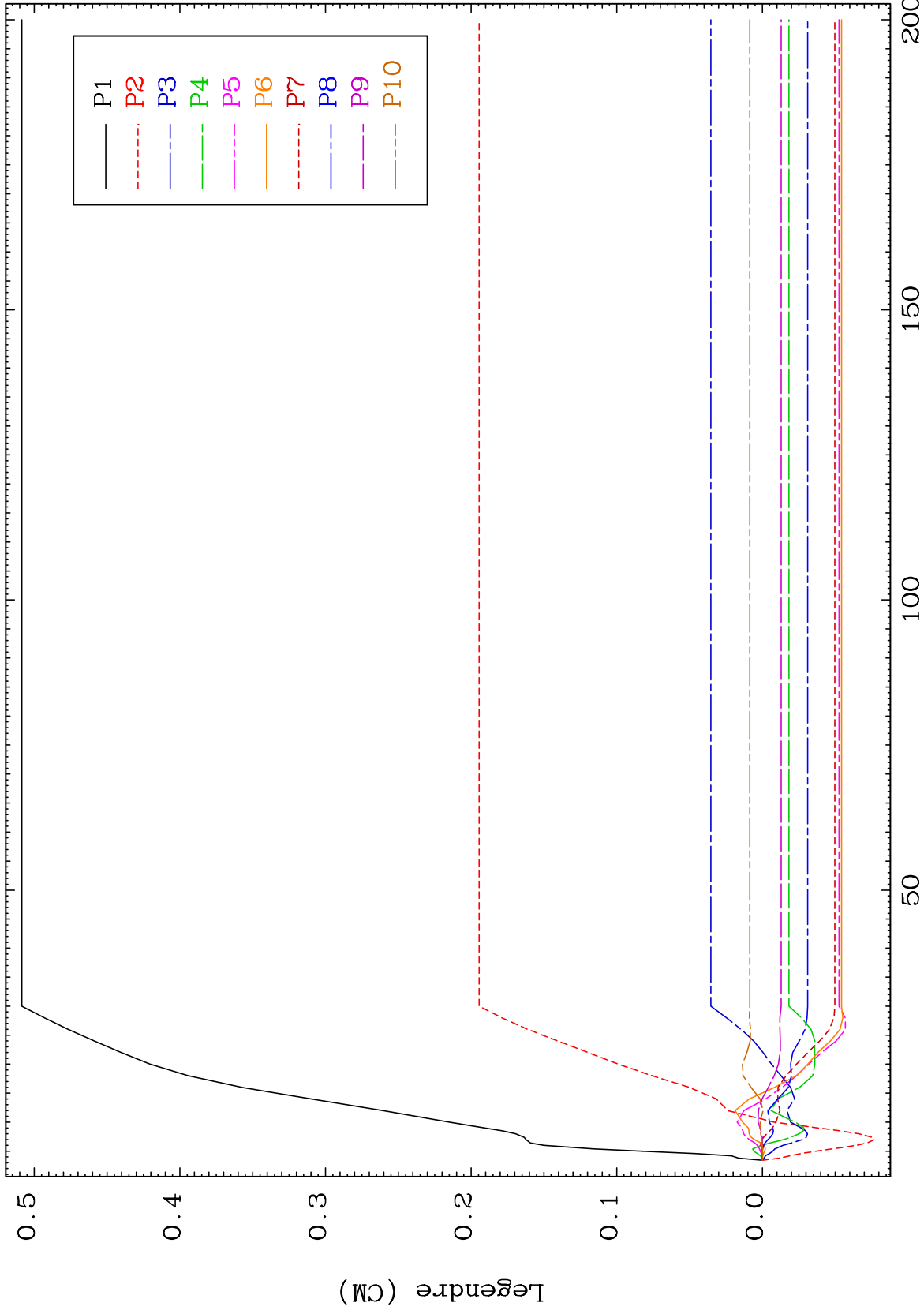
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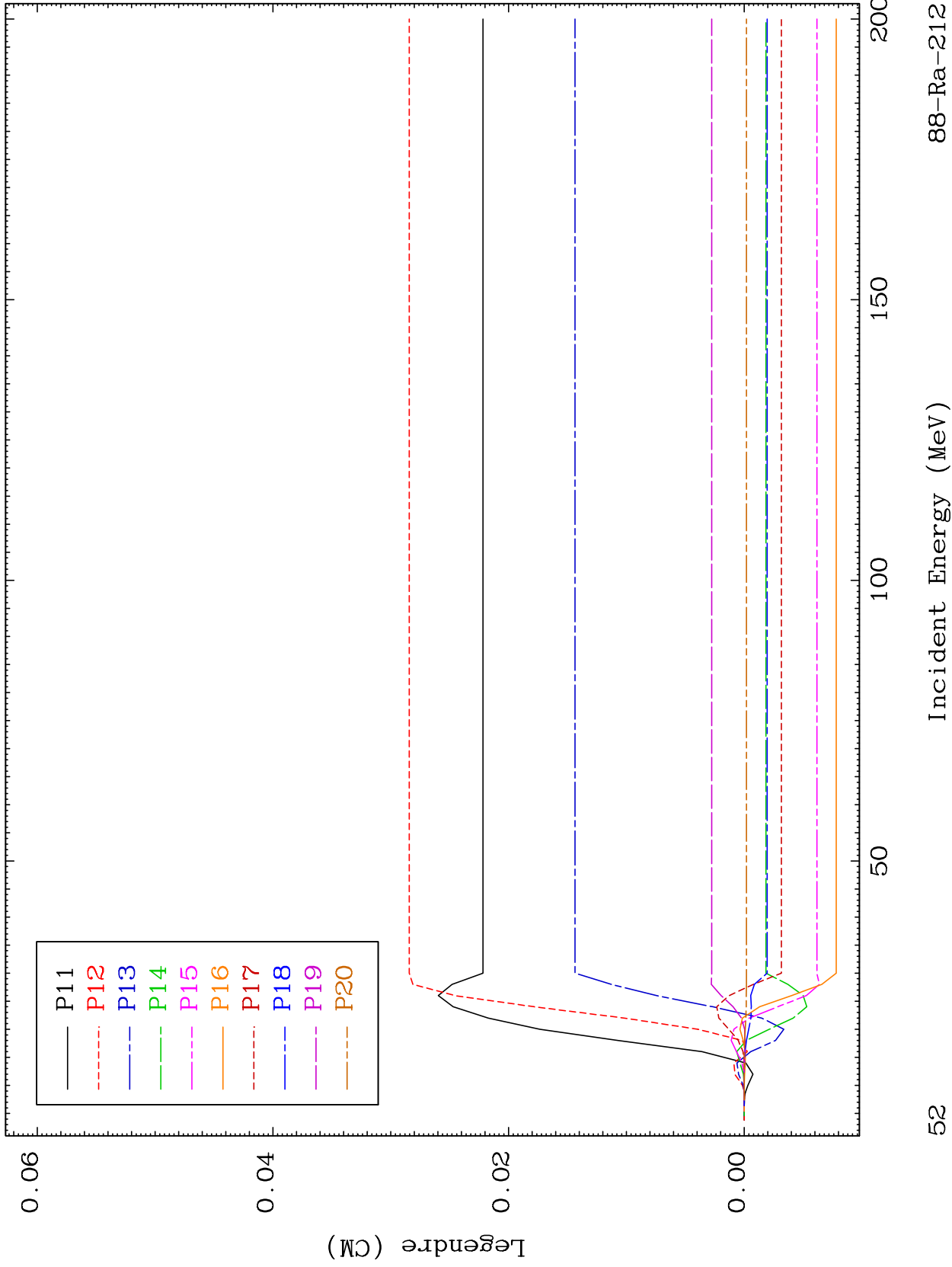
Incident Energy (MeV)

88-Ra-212





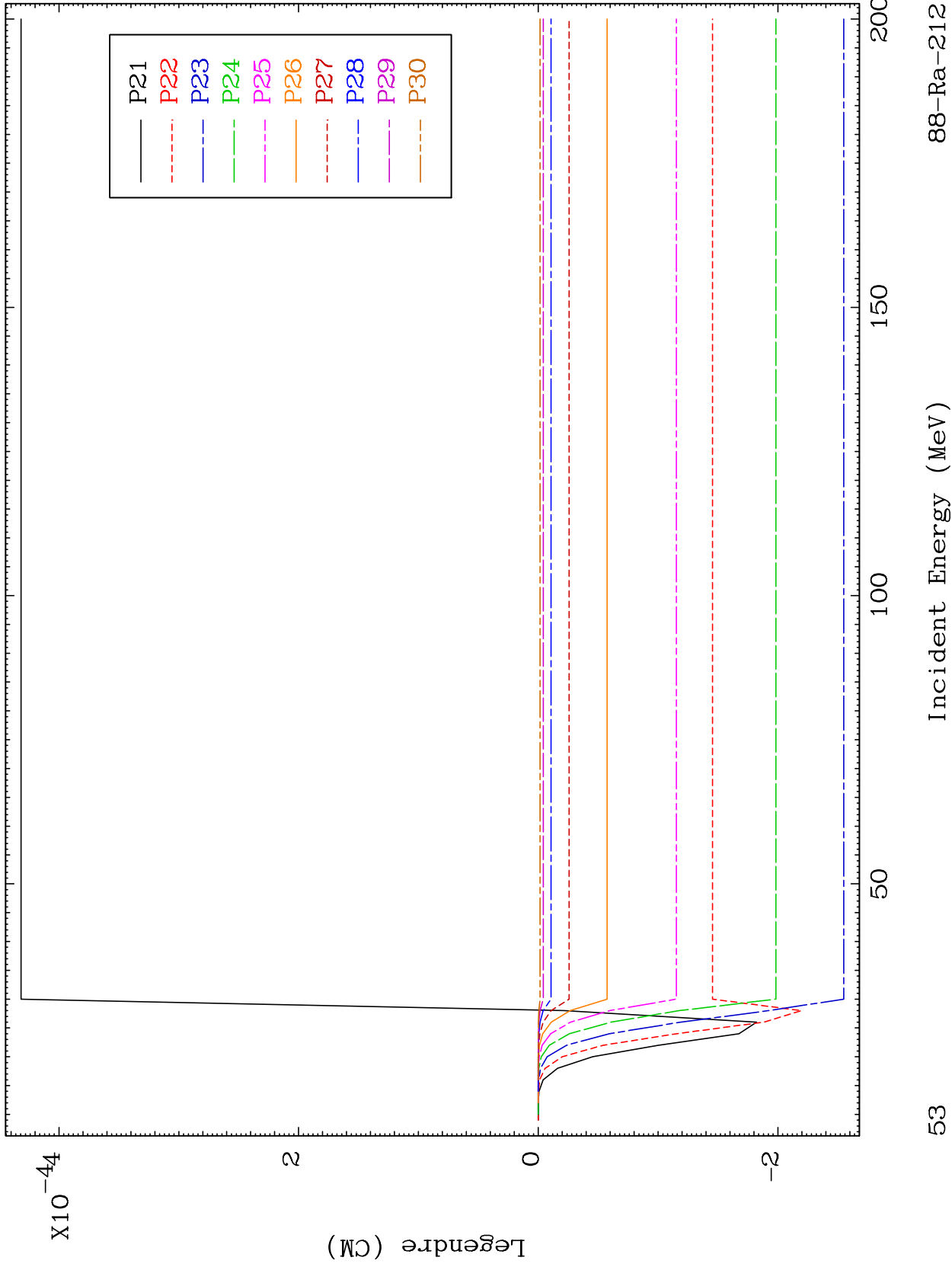




MAT 8792

3.404 MeV (n,n') Level  
Legendre Coefficients

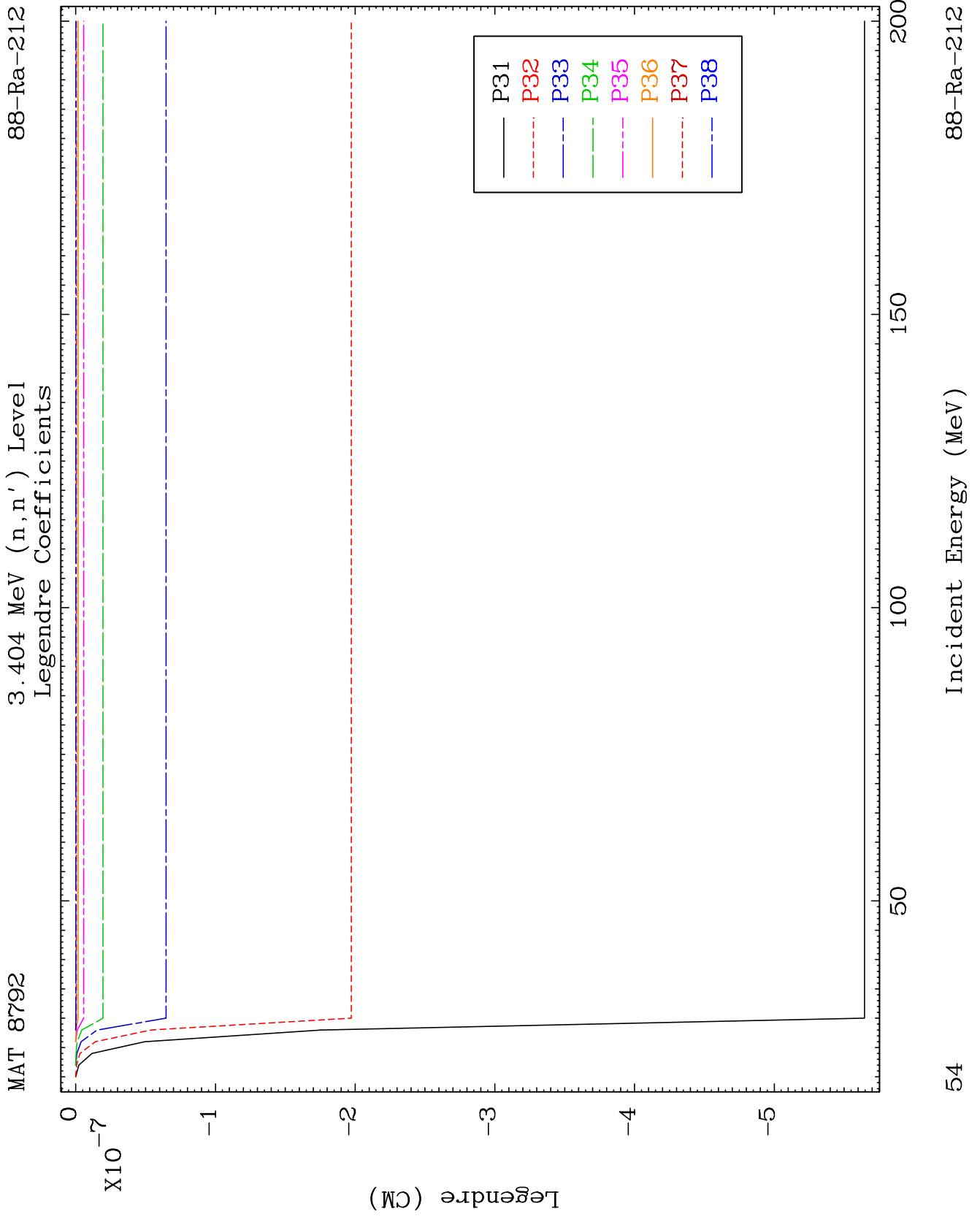
88-Ra-212



53

Incident Energy (MeV)

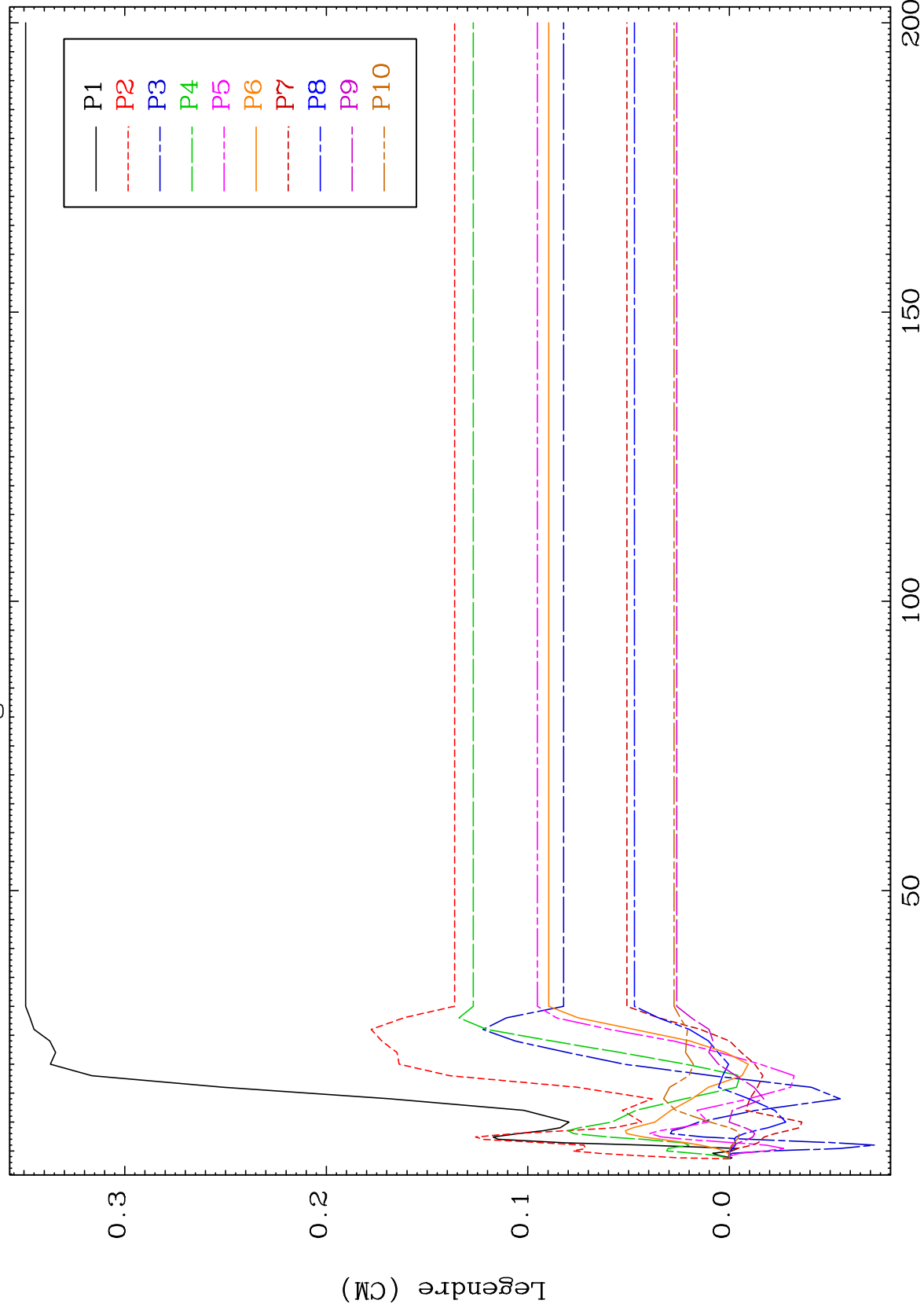
88-Ra-212



MAT 8792

3.613 MeV (n,n') Level Legendre Coefficients

88-Ra-212

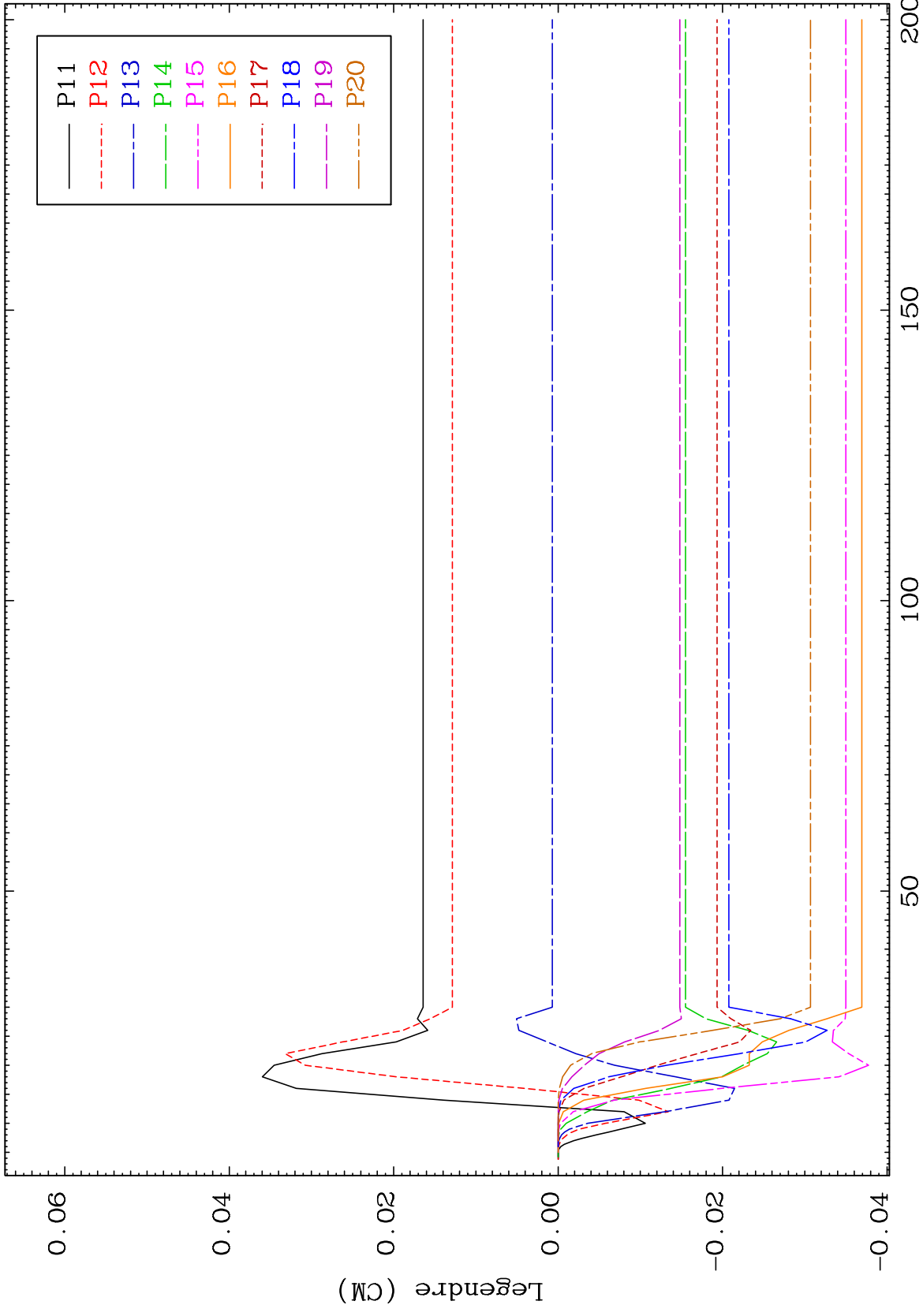


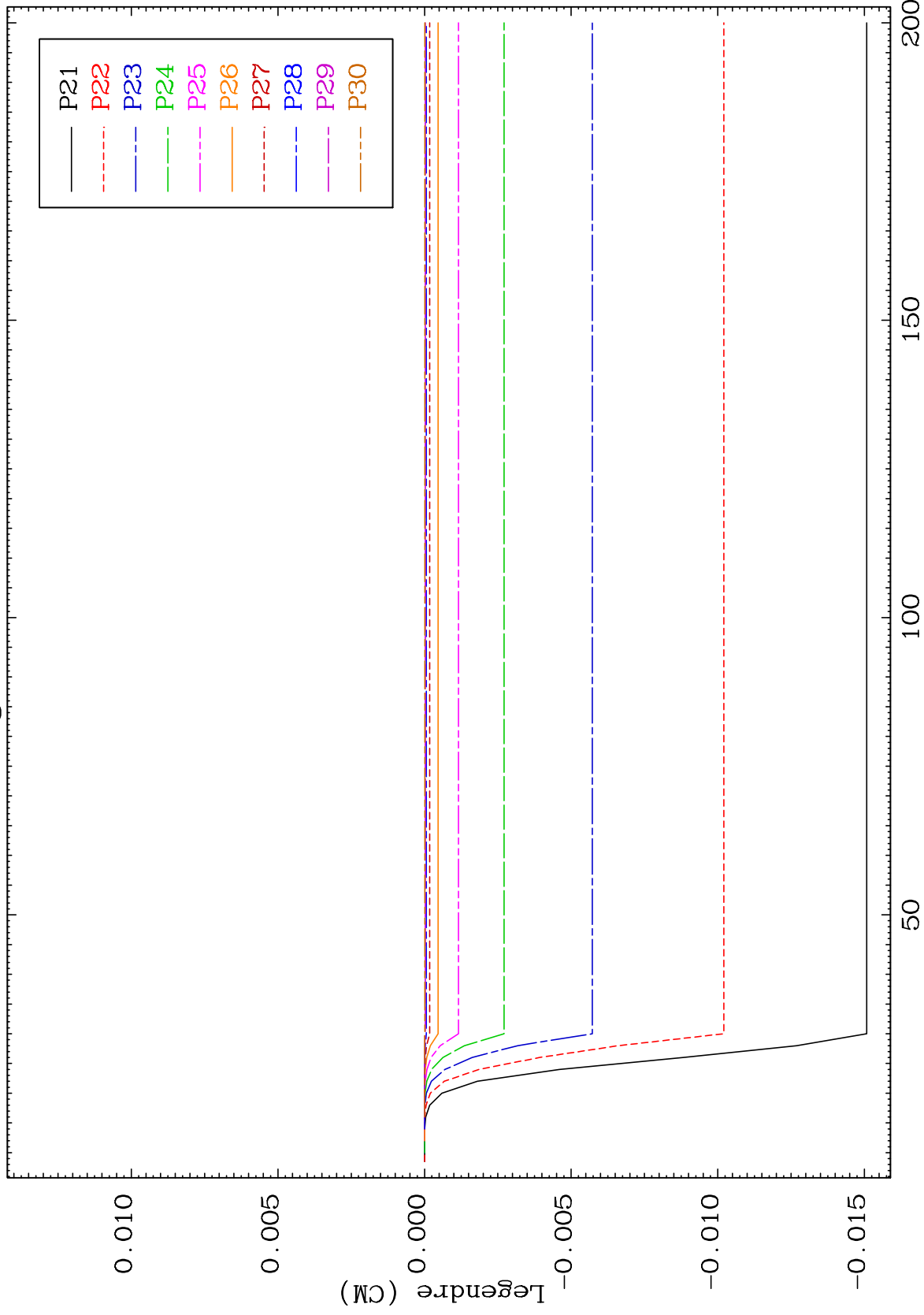
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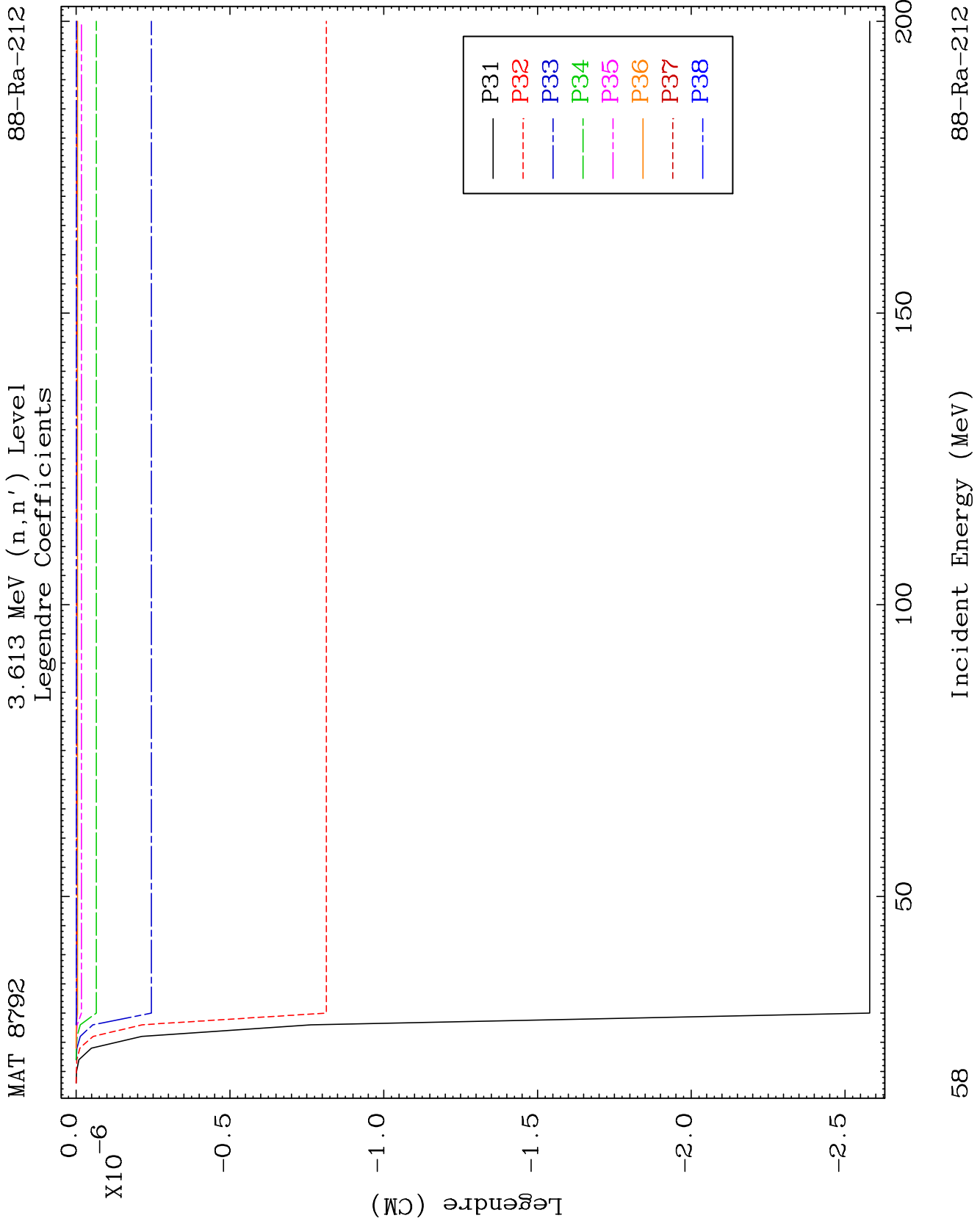
Incident Energy (MeV)

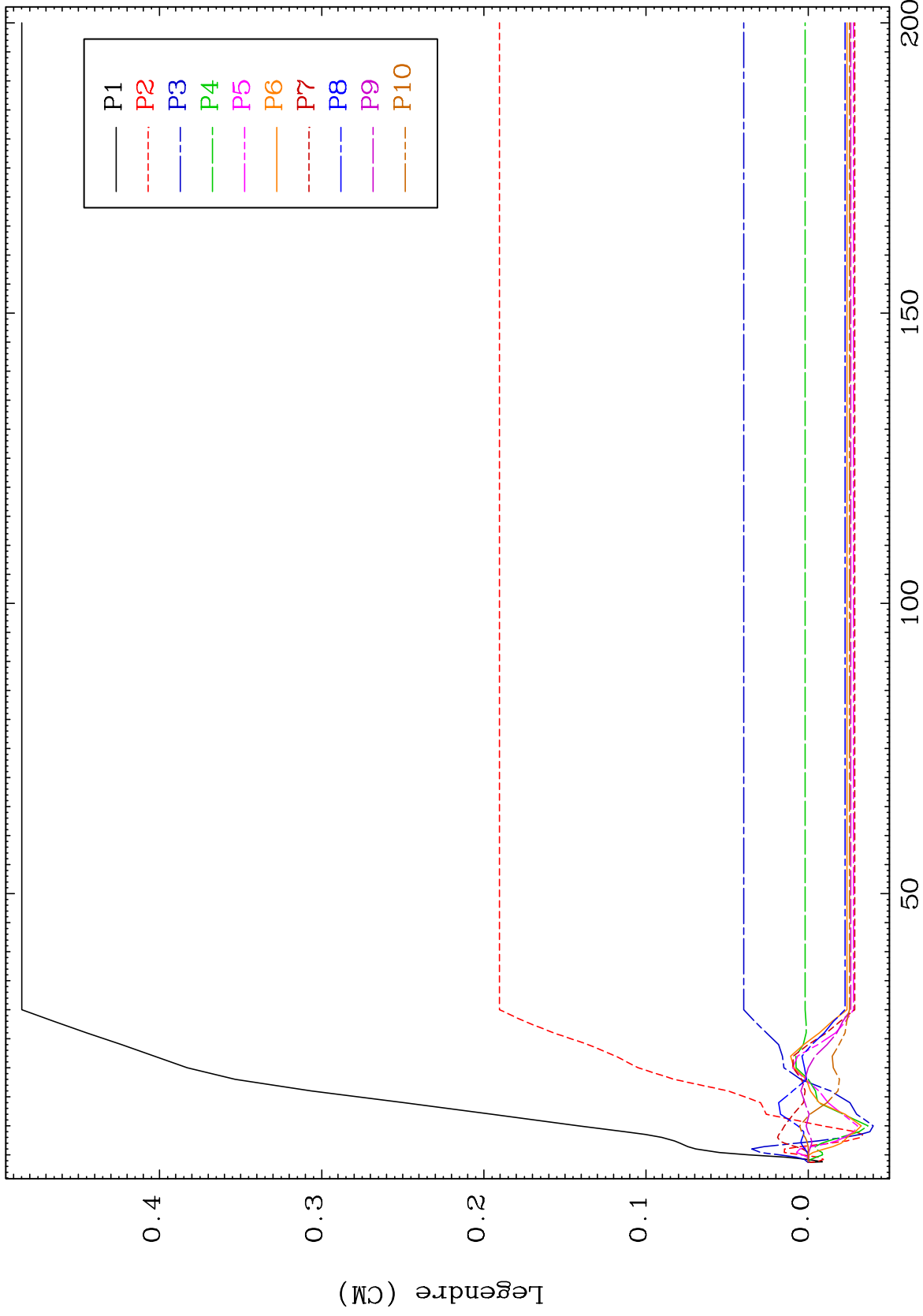
88-Ra-212







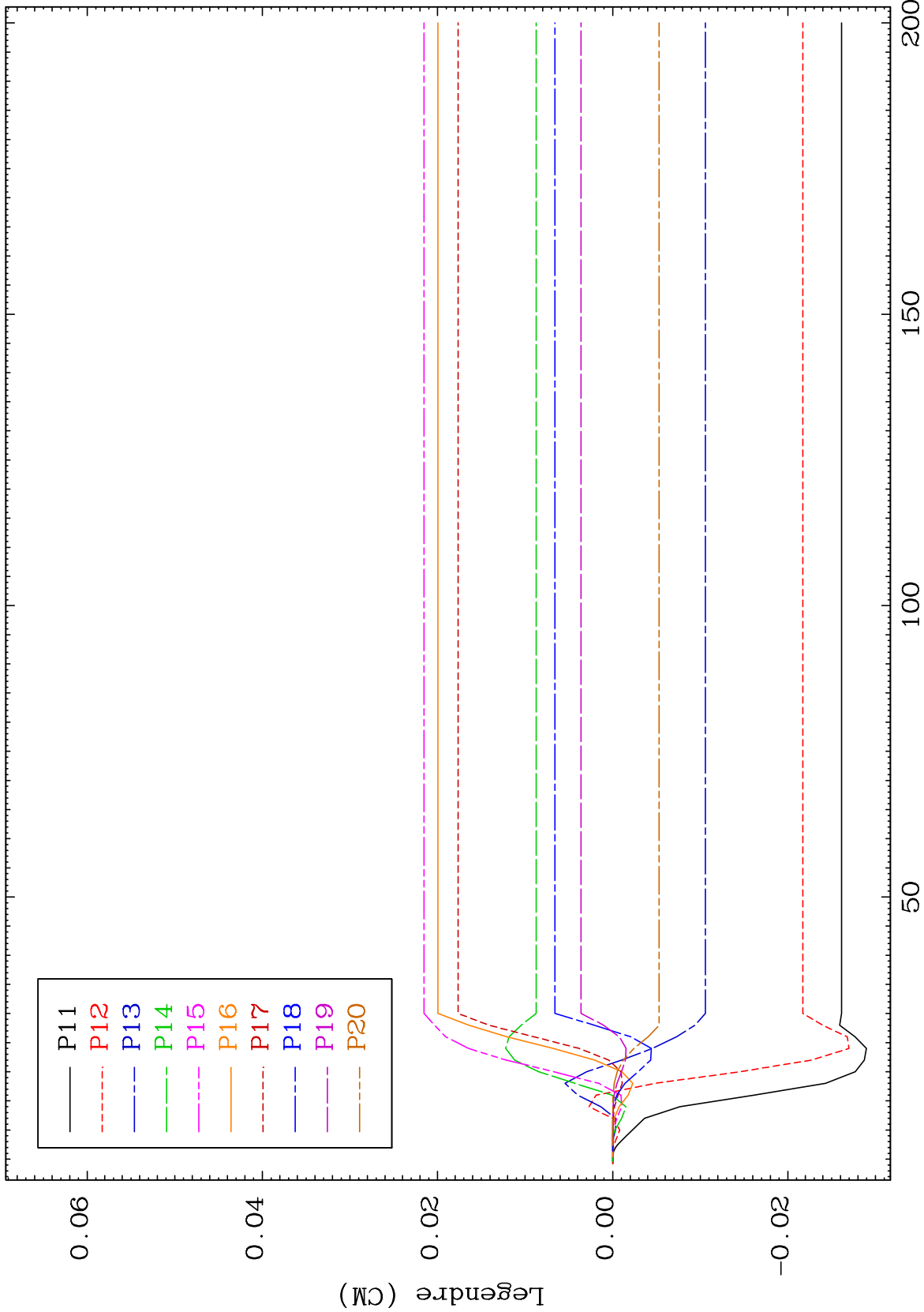




MAT 8792

3.667 MeV (n,n') Level  
Legendre Coefficients

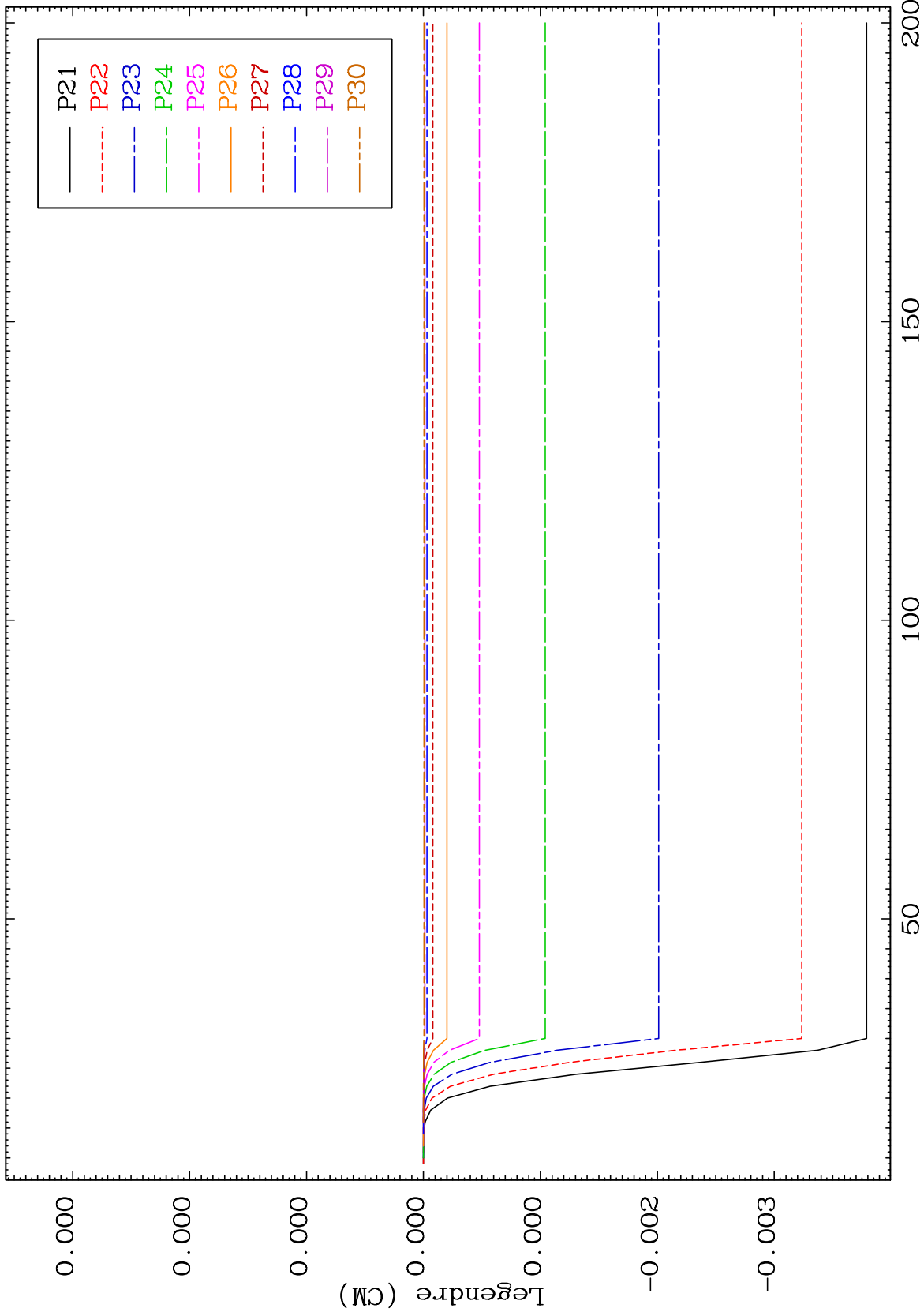
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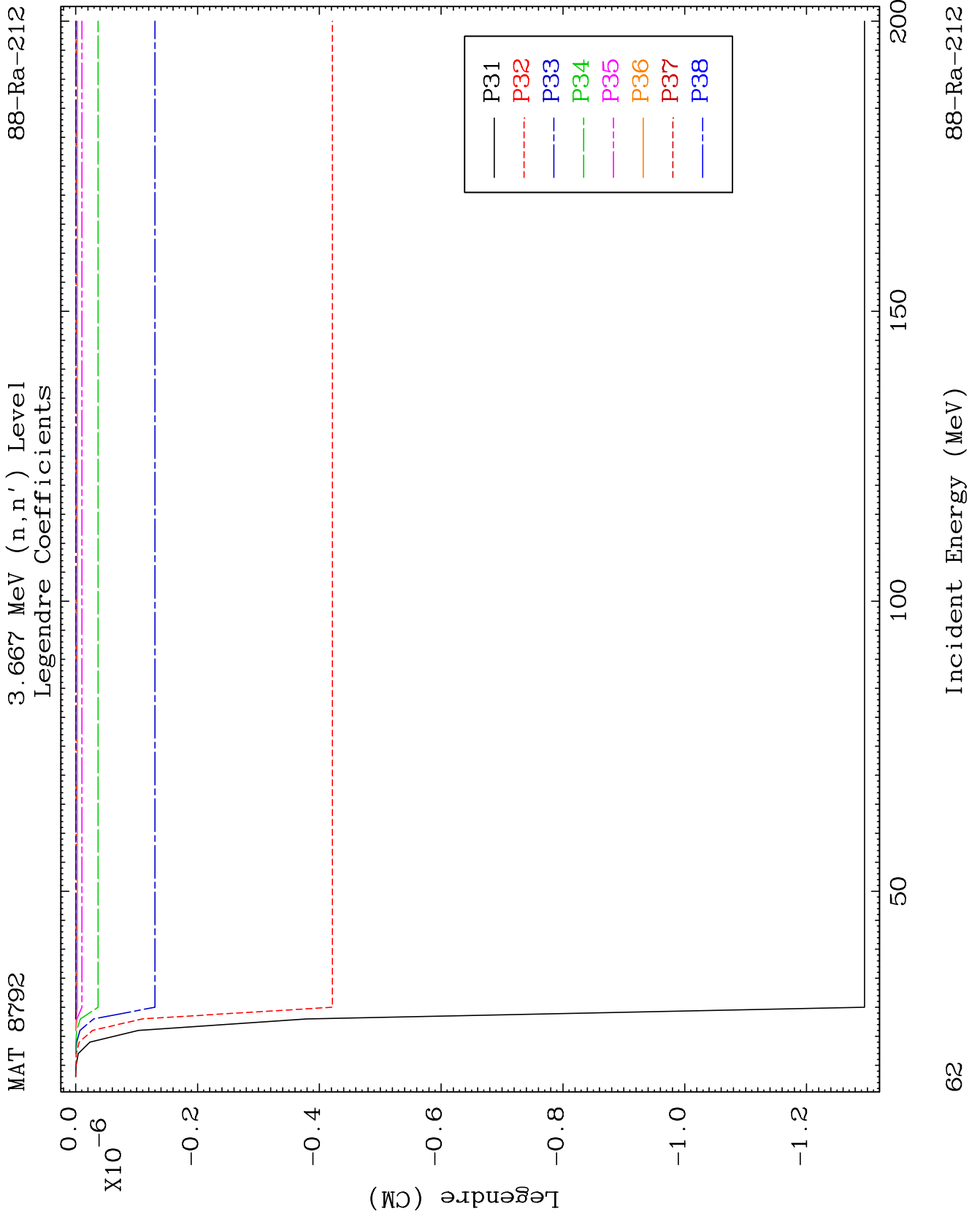


60

Incident Energy (MeV)

88-Ra-212



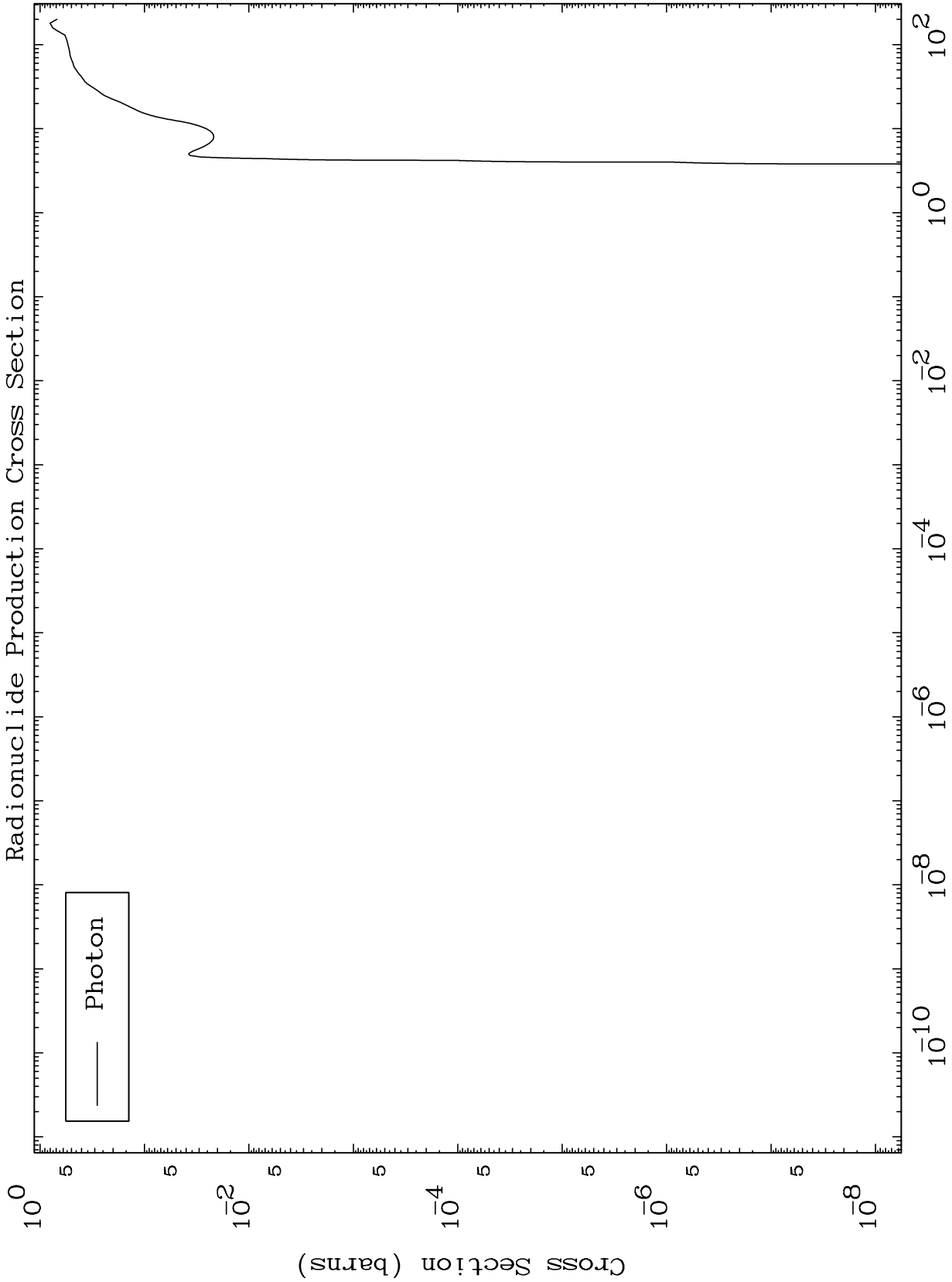


MAT 8792

Fission

88-Ra-212

Radionuclide Production Cross Section



63

Incident Energy (MeV)

88-Ra-212

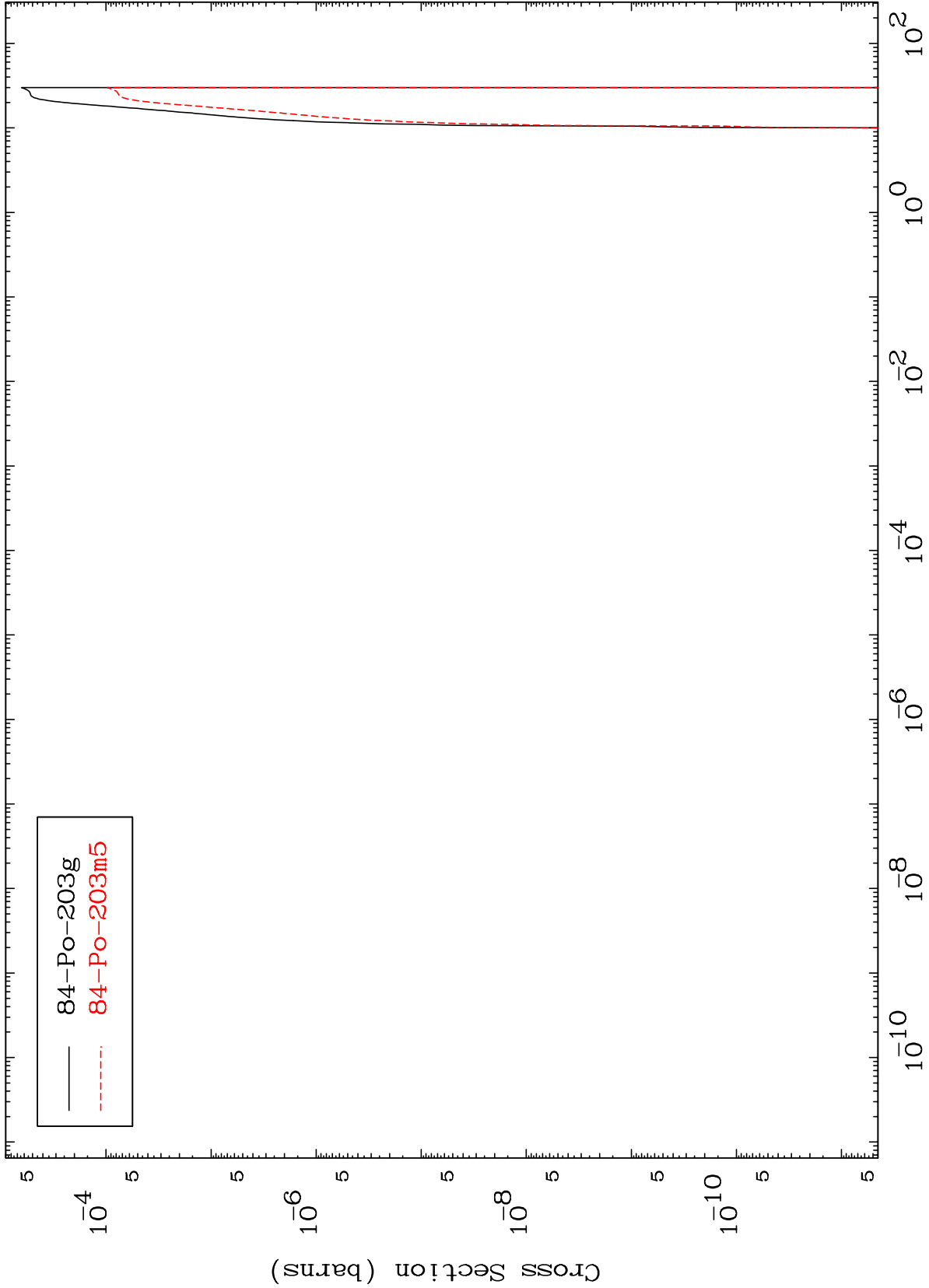


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(n,2n) 2 $\alpha$

88-Ra-212

Radionuclide Production Cross Section



— 84-Po-203g  
- - - 84-Po-203m5

64

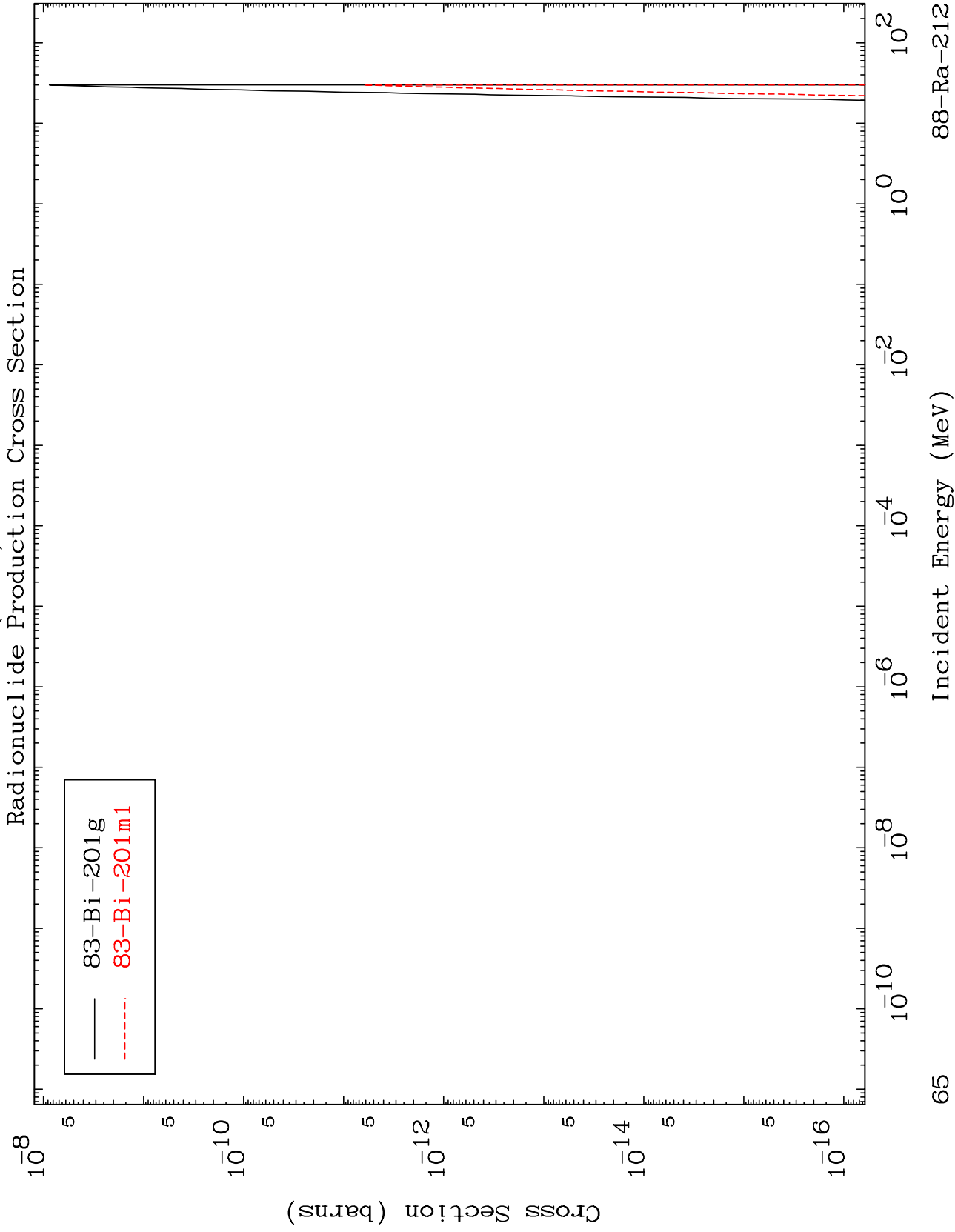
Incident Energy (MeV)

88-Ra-212

MAT 8792

(n,n') t,2α

88-Ra-212



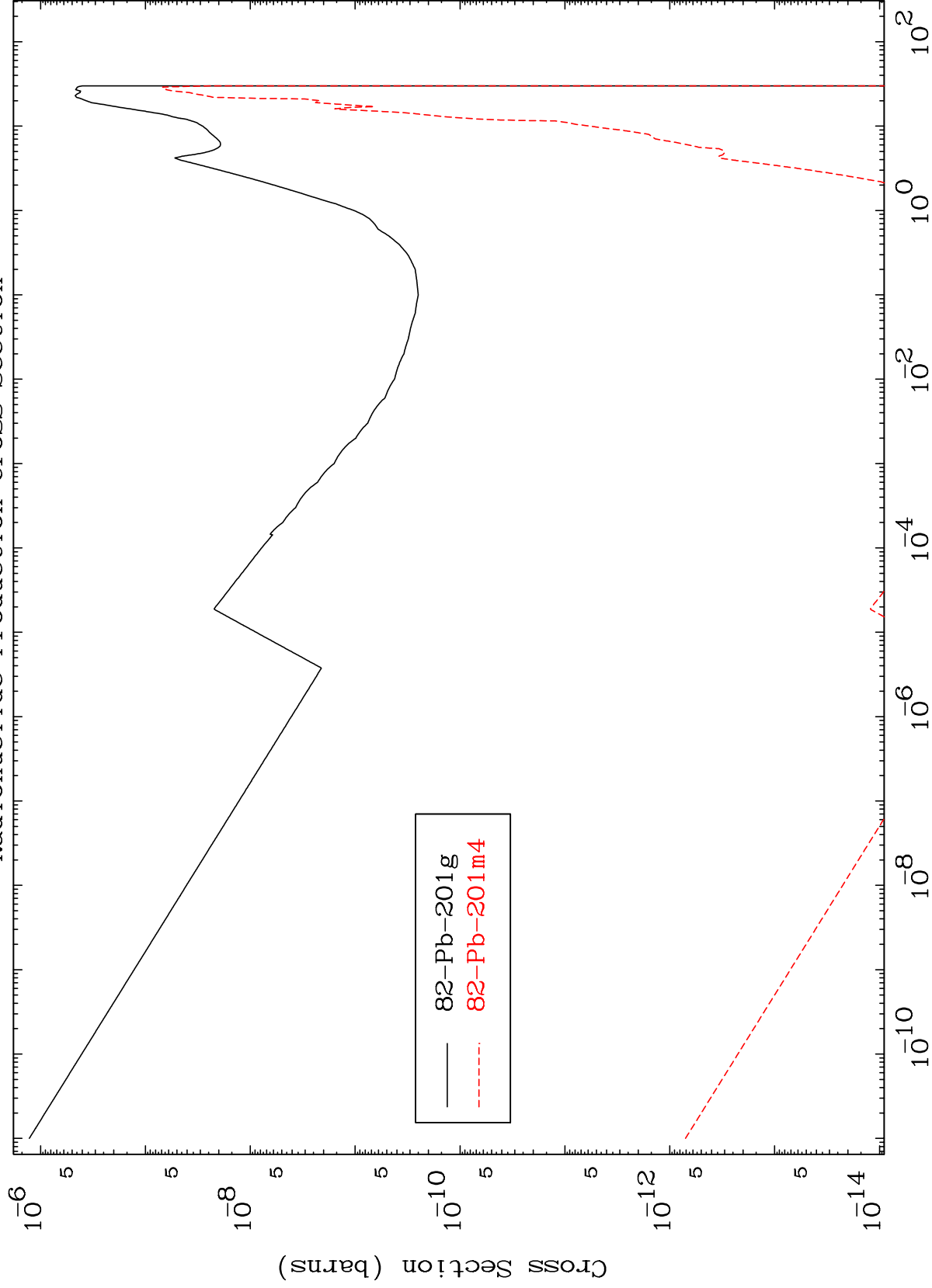
65

MAT 8792

(n, 3α)

88-Ra-212

Radionuclide Production Cross Section



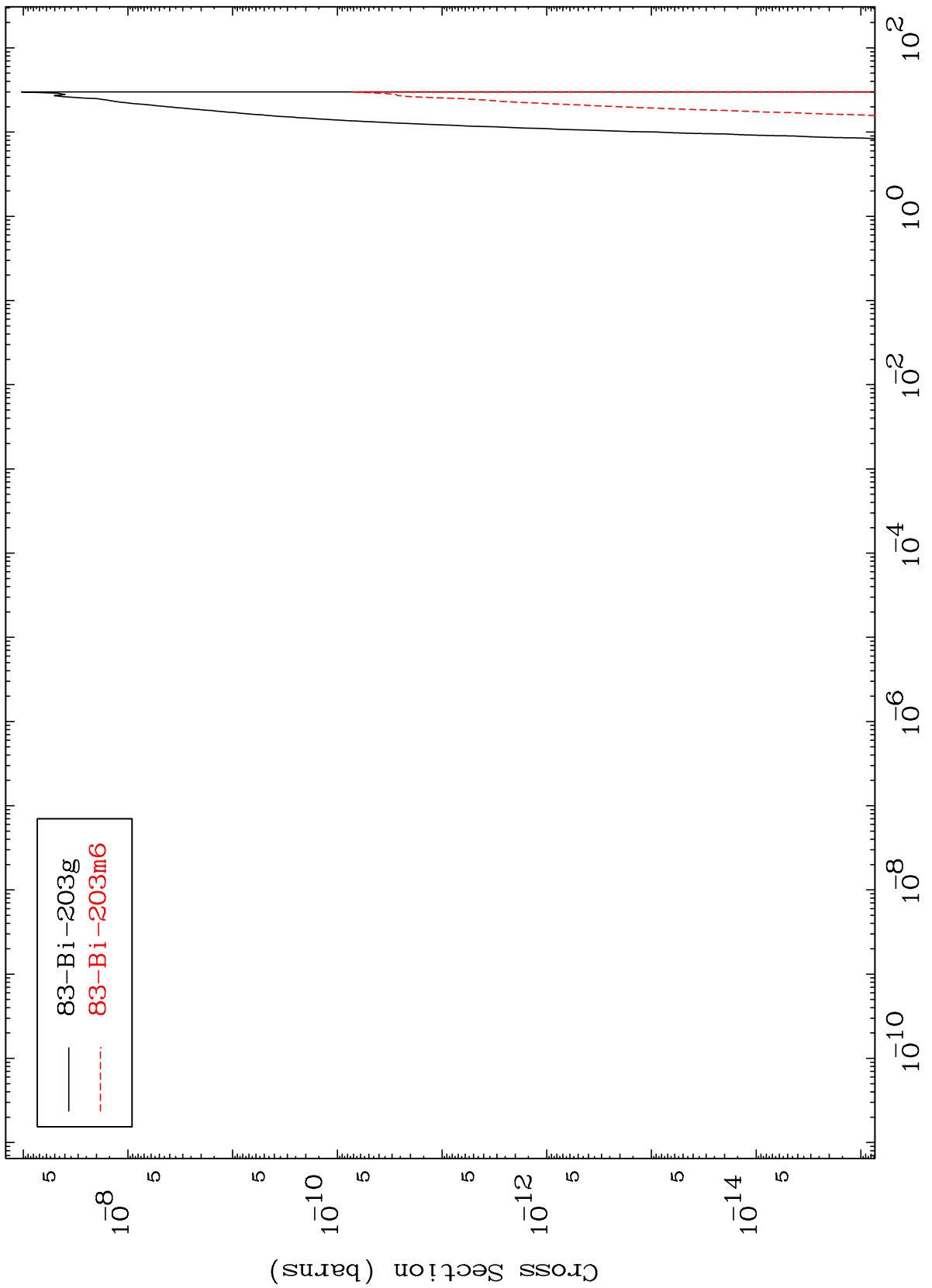
66

MAT 8792

(n,d) 2 $\alpha$

88-Ra-212

Radionuclide Production Cross Section



67

Incident Energy (MeV)

88-Ra-212