

Program EVALPLOT
(Version 2015-2)

by

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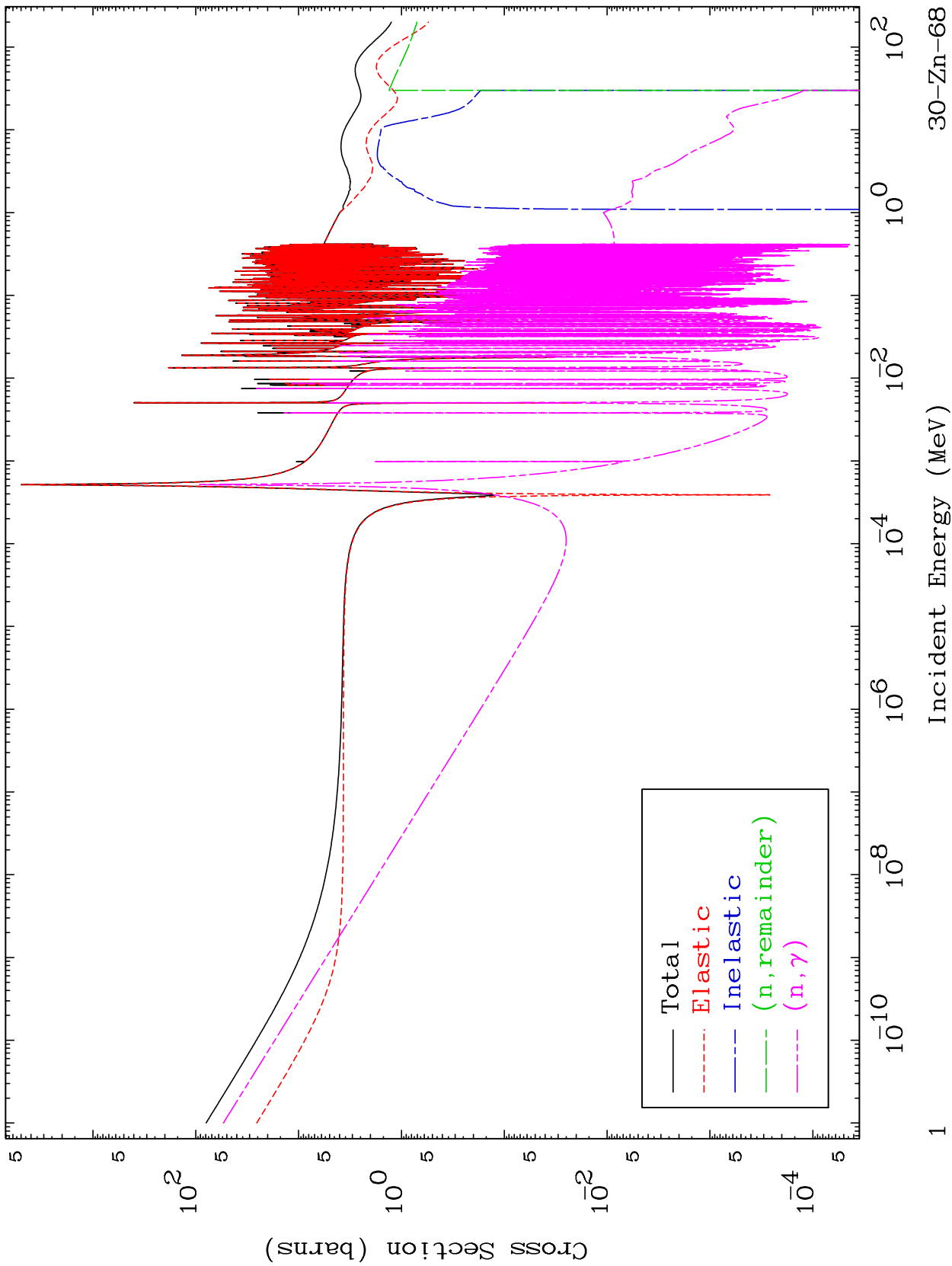
Press Mouse Button to Start

MAT 3037

Major

293 Kelvin Cross Sections

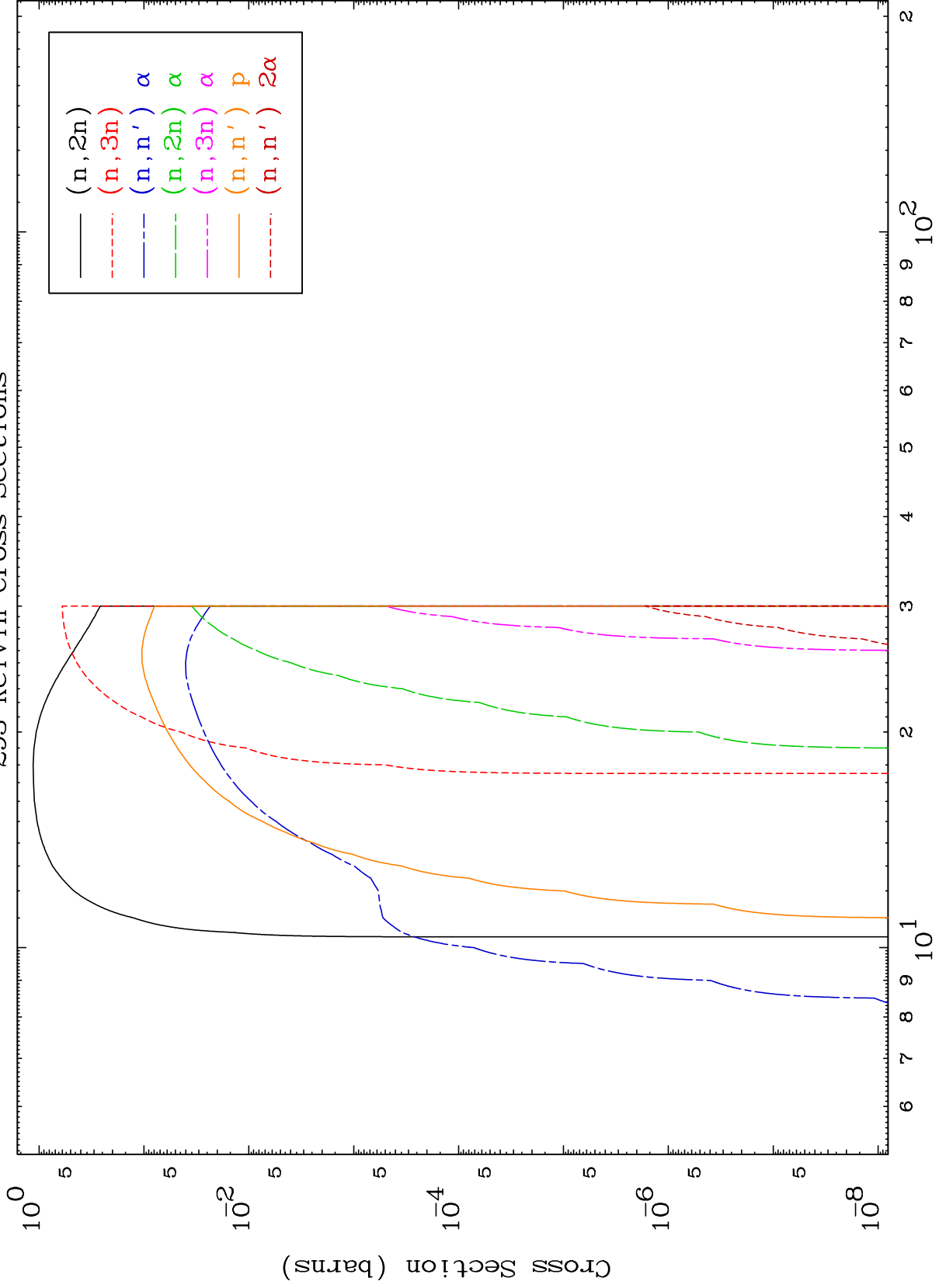
30-Zn-68



MAT 3037

Neutron Production
293 Kelvin Cross Sections

30-Zn-68



2

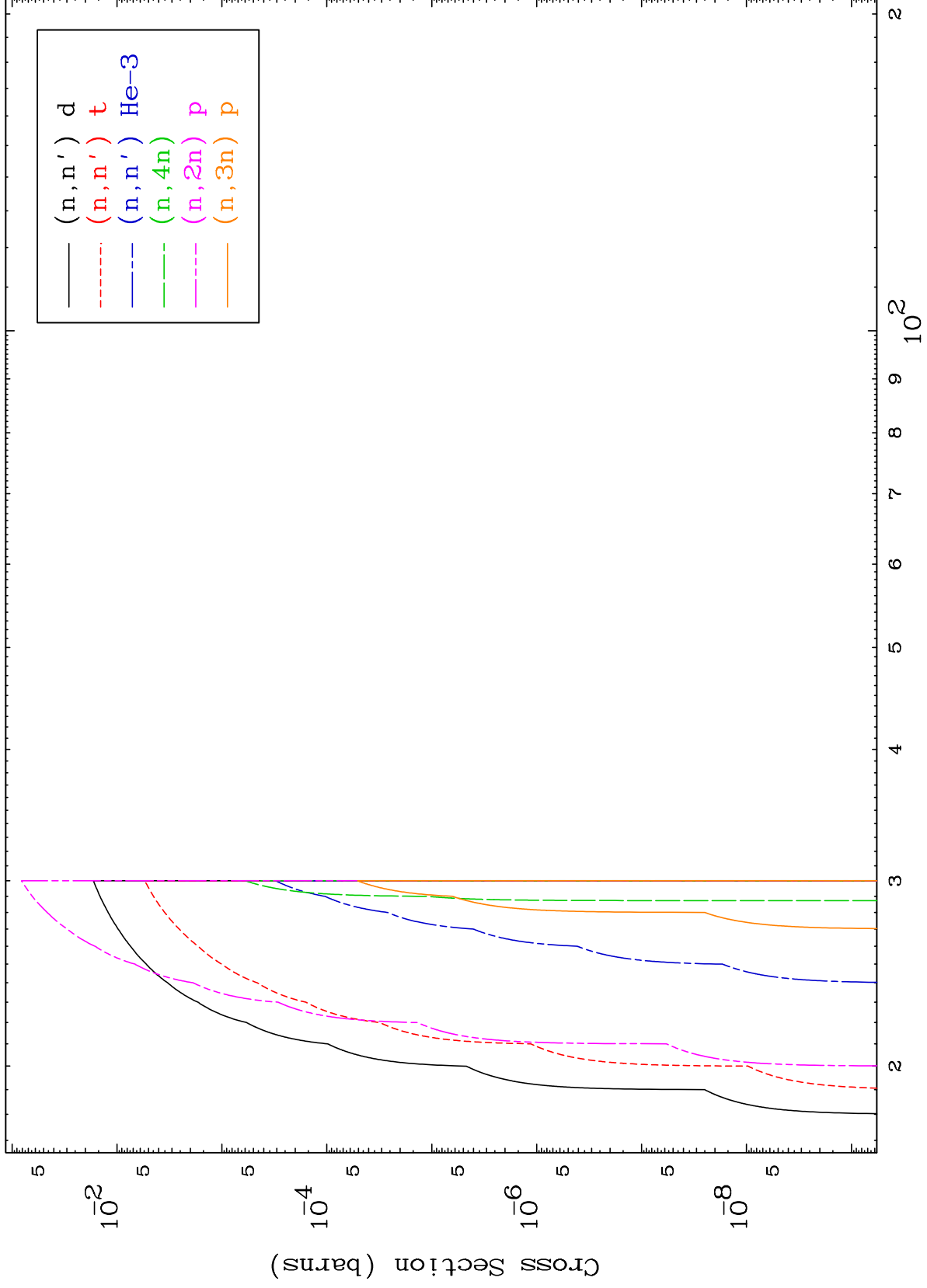
Incident Energy (MeV)

30-Zn-68

MAT 3037

Neutron Production
293 Kelvin Cross Sections

30-Zn-68



3

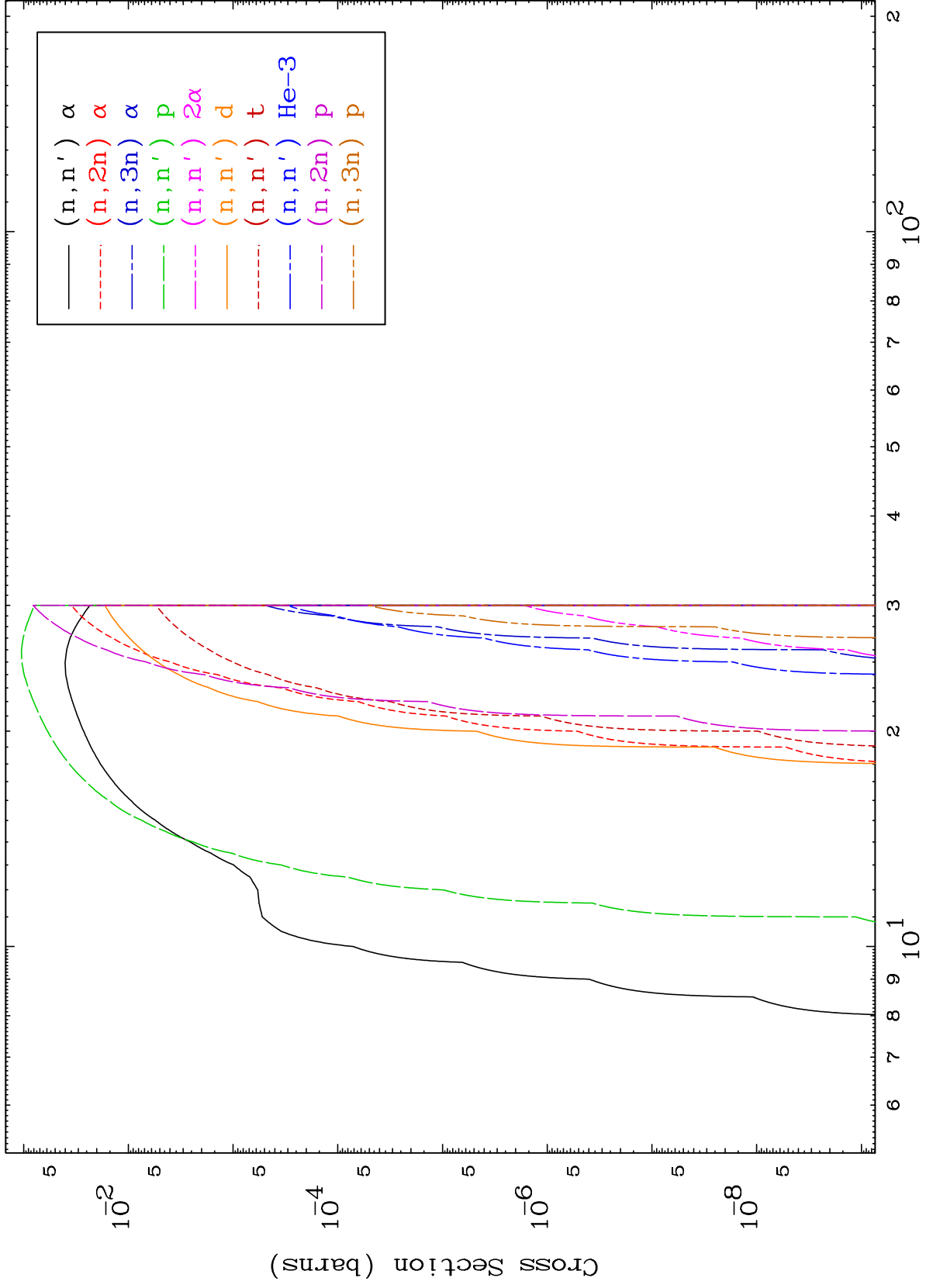
Incident Energy (MeV)

30-Zn-68

MAT 3037

Charged Particle
293 Kelvin Cross Sections

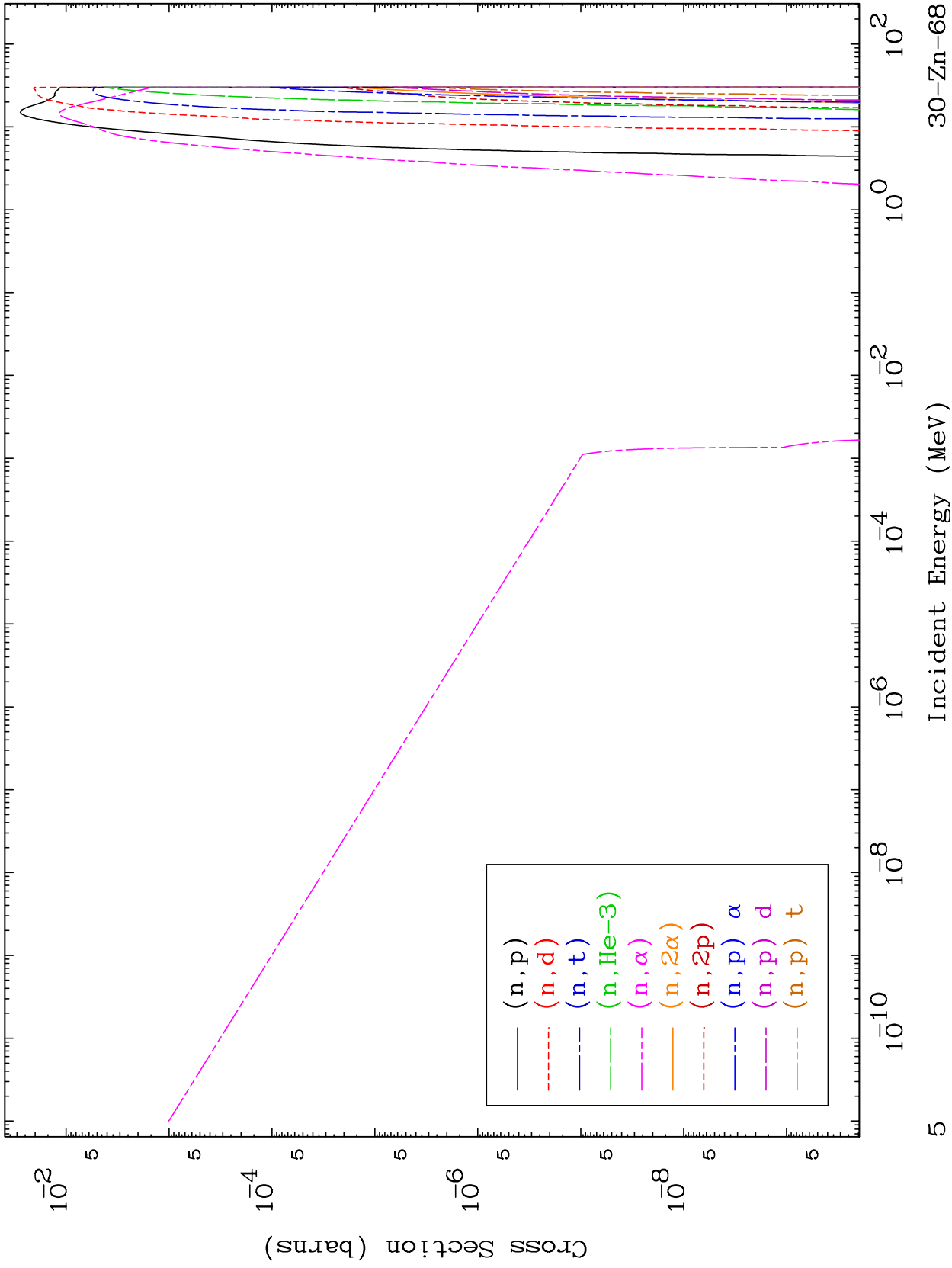
30-Zn-68



MAT 3037

Charged Particle
293 Kelvin Cross Sections

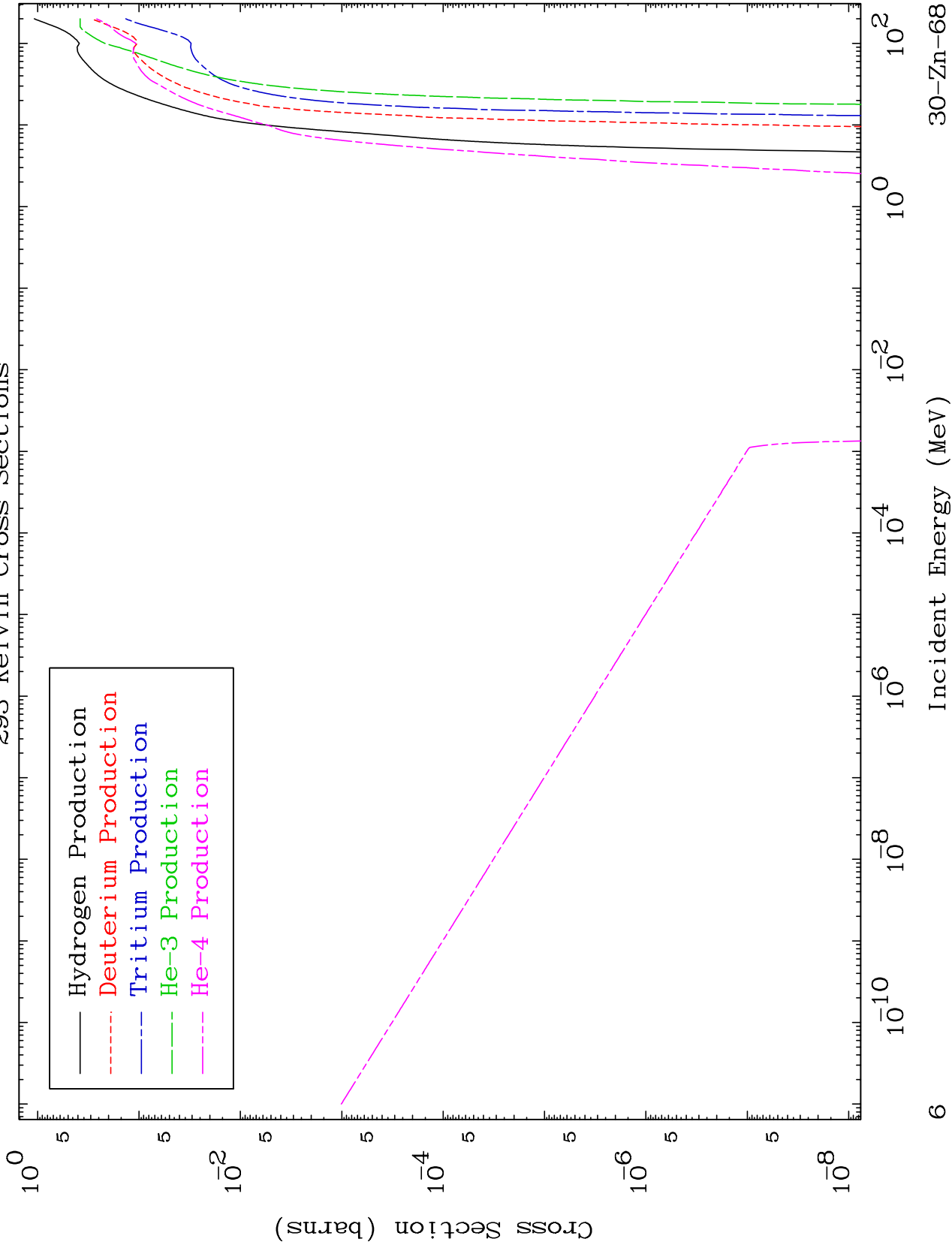
30-Zn-68



MAT 3037

Particle Production
293 Kelvin Cross Sections

30-Zn-68



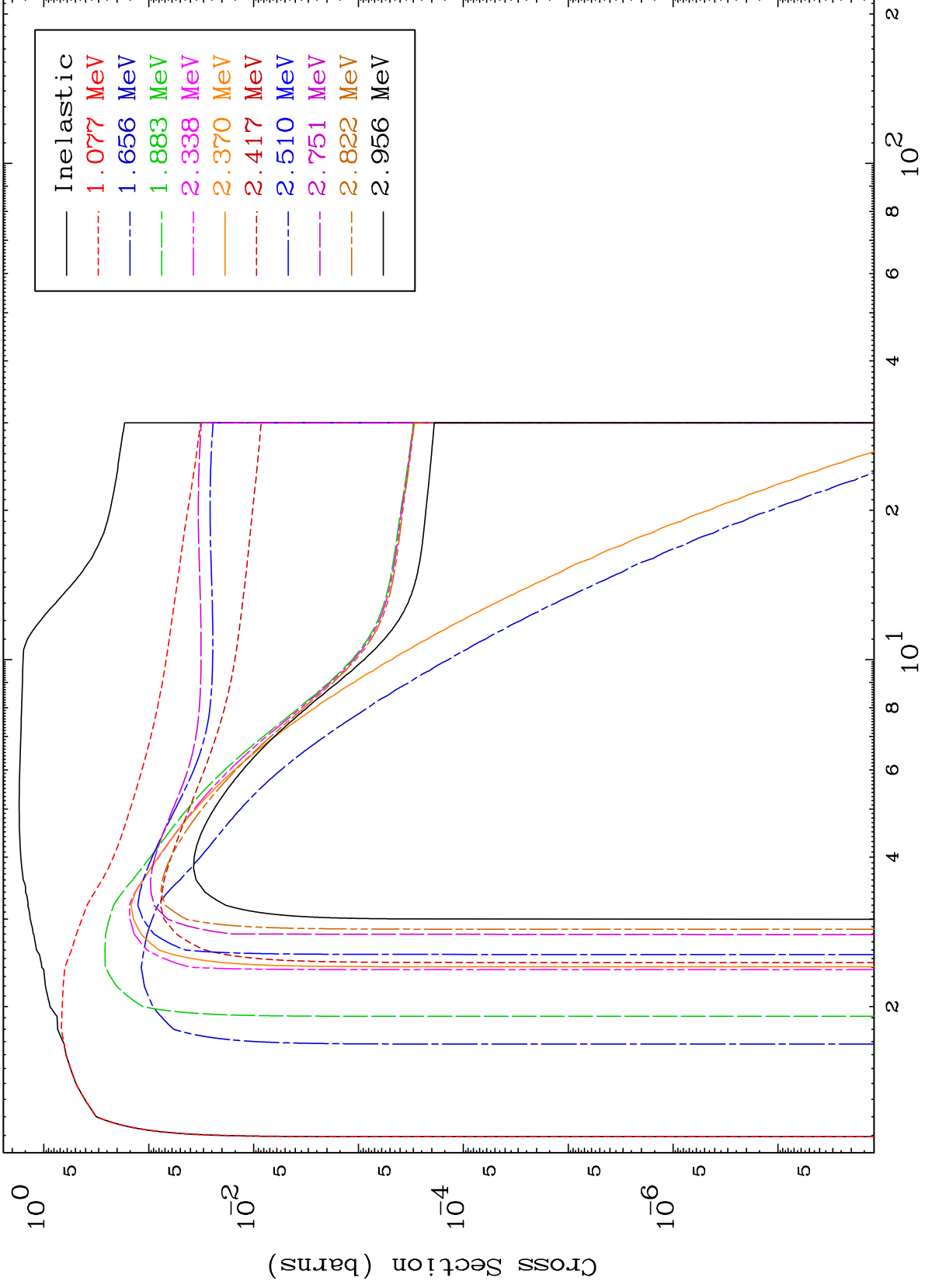
Legend:

- Hydrogen Production (solid black line)
- Deuterium Production (dashed red line)
- Tritium Production (dash-dot blue line)
- He-3 Production (dashed green line)
- He-4 Production (dashed magenta line)

MAT 3037

(n,n') Level
293 Kelvin Cross Sections

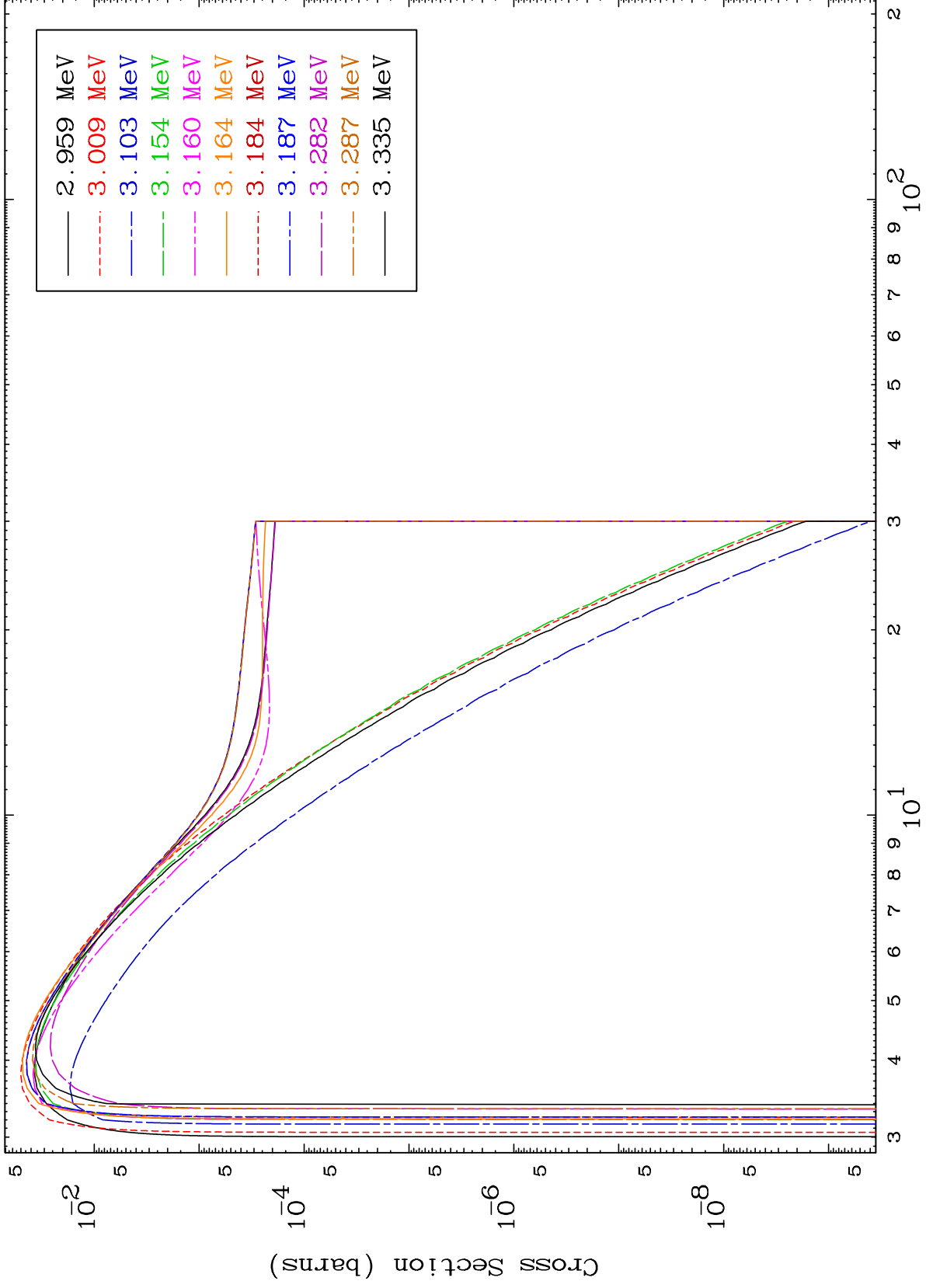
30-Zn-68



MAT 3037

(n,n') Level
293 Kelvin Cross Sections

30-Zn-68



8

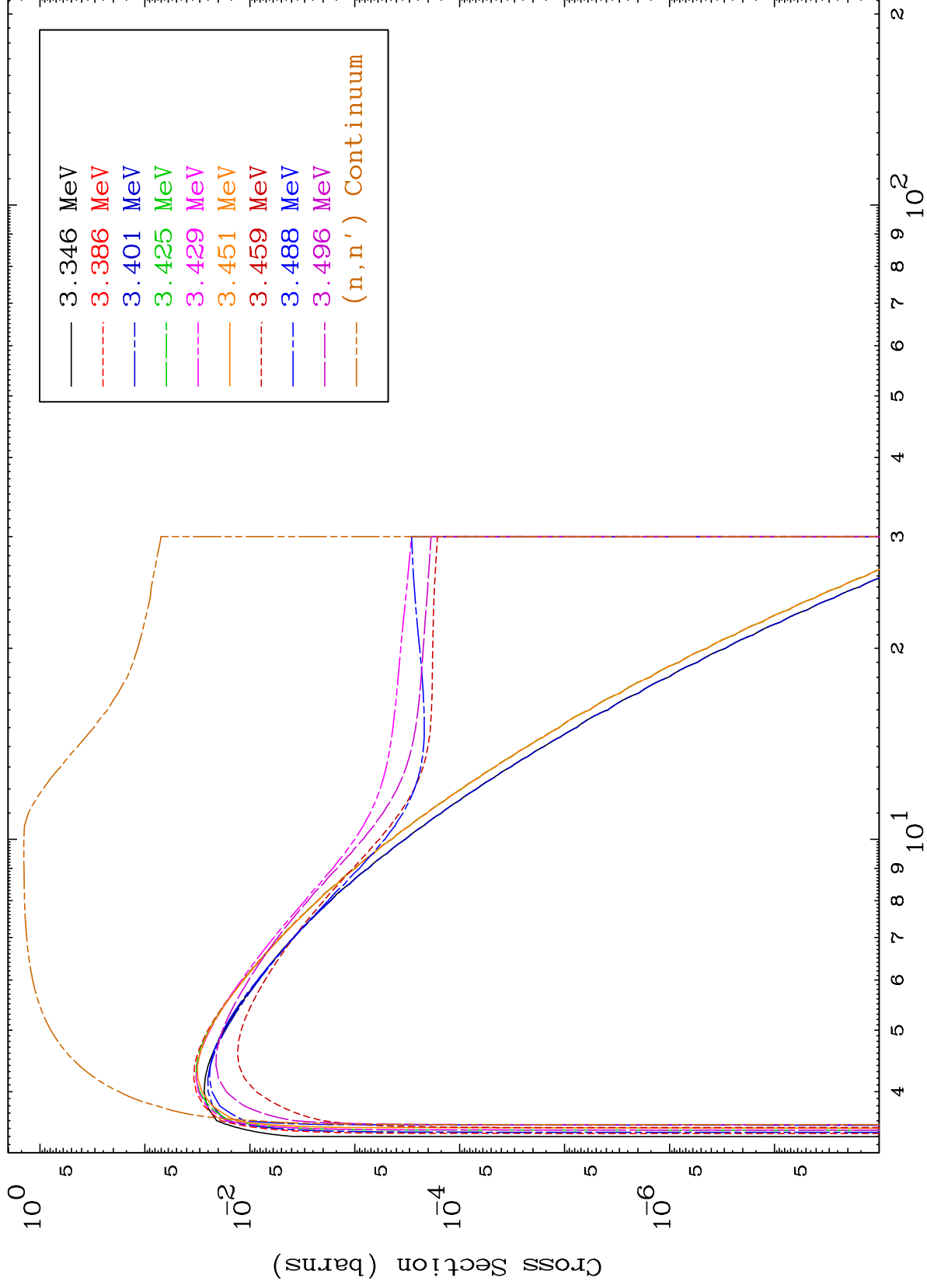
Incident Energy (MeV)

30-Zn-68

MAT 3037

(n,n') Level
293 Kelvin Cross Sections

30-Zn-68



9

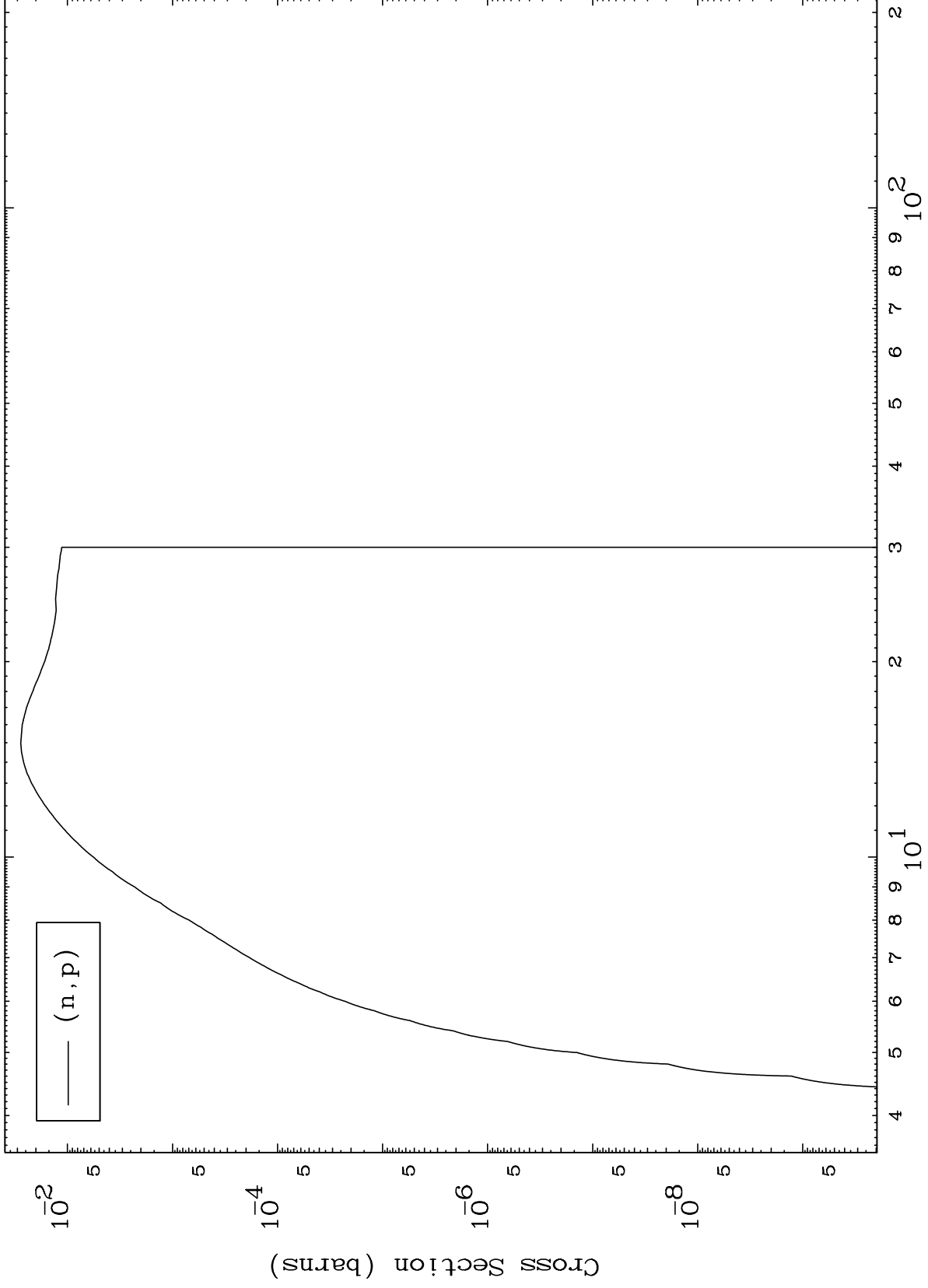
Incident Energy (MeV)

30-Zn-68

MAT 3037

(n,p) Levels
293 Kelvin Cross Sections

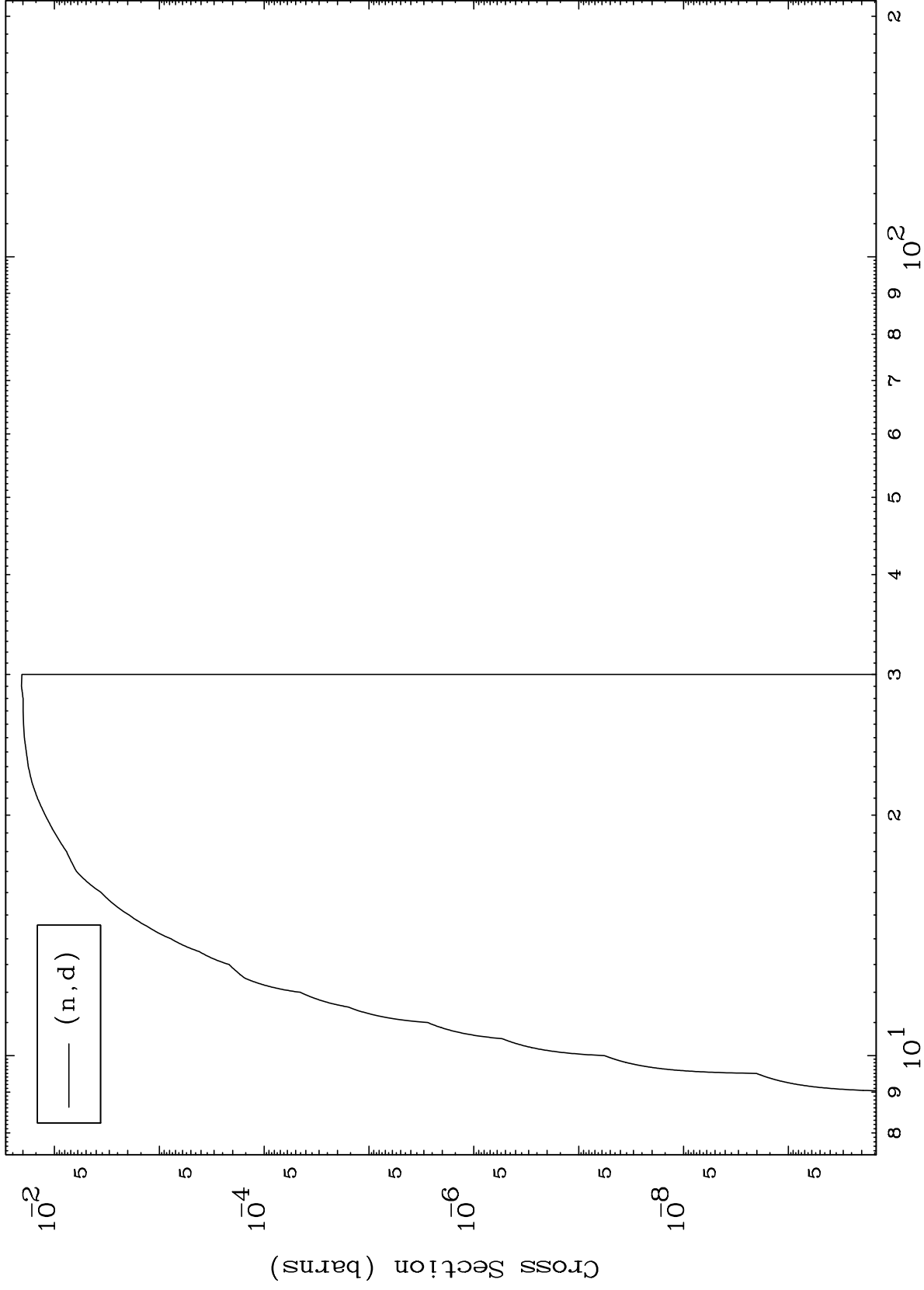
30-Zn-68



MAT 3037

(n,d) Levels
293 Kelvin Cross Sections

30-Zn-68



11

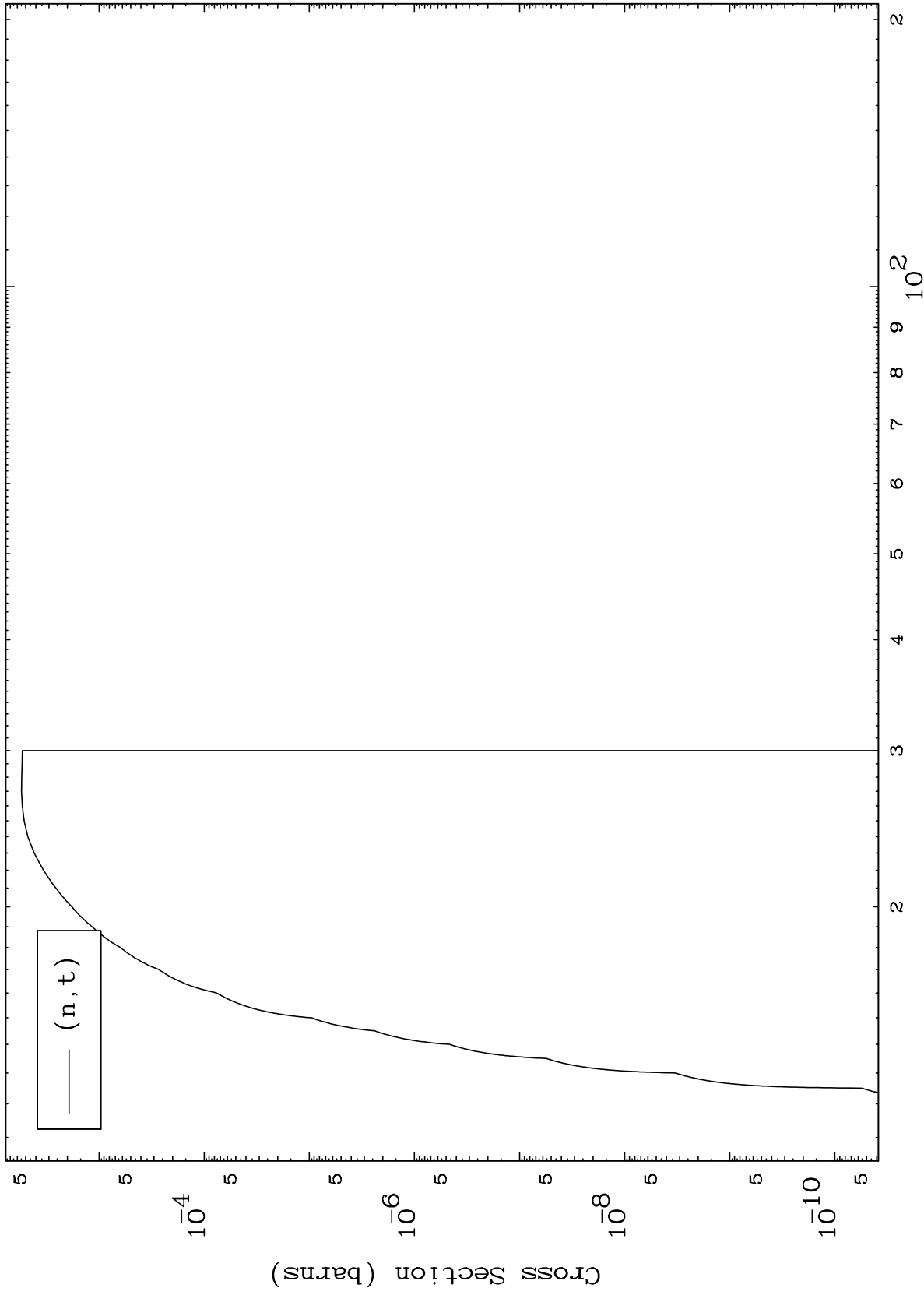
Incident Energy (MeV)

30-Zn-68

MAT 3037

(n,t) Levels
293 Kelvin Cross Sections

30-Zn-68



12

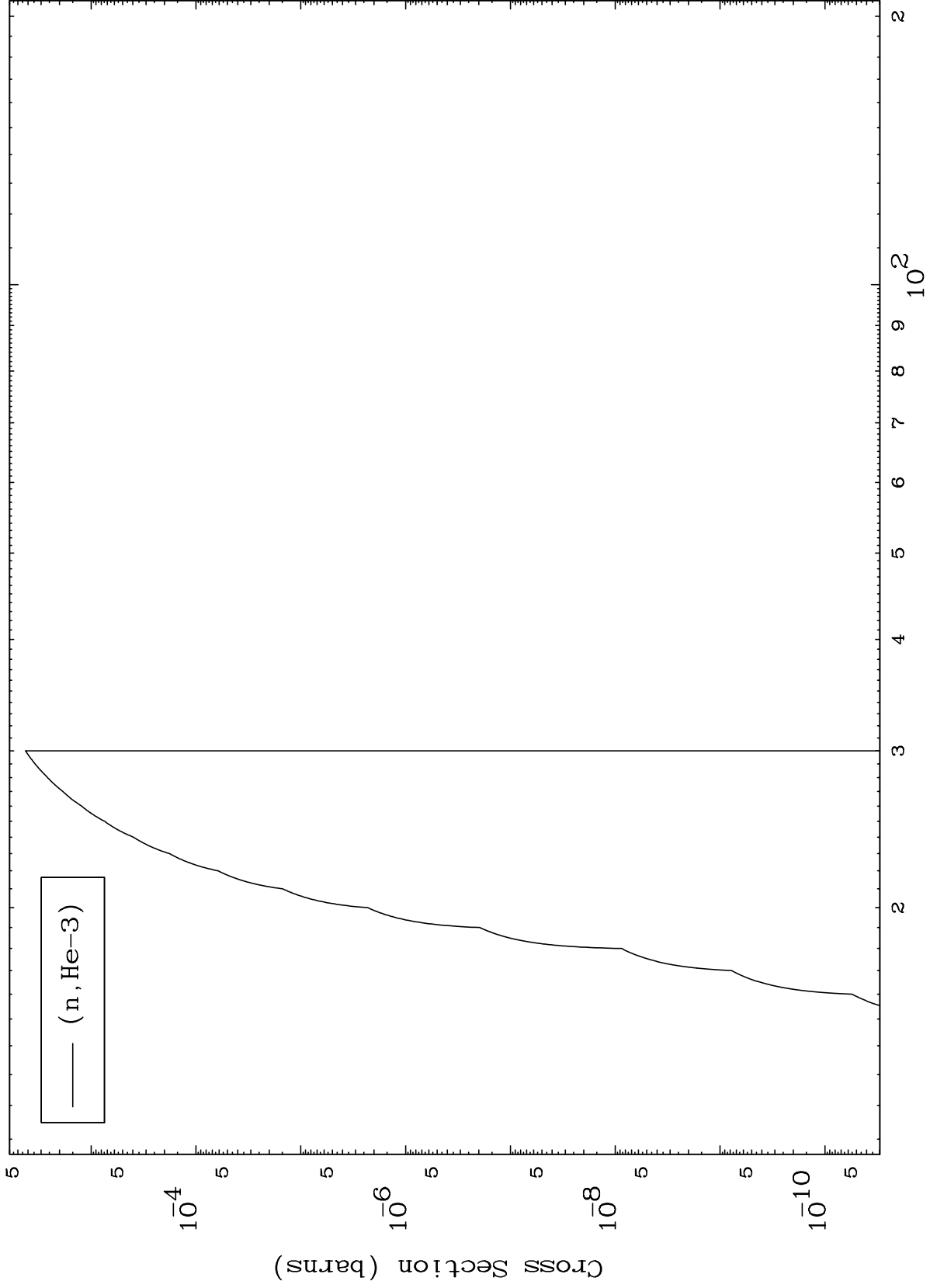
Incident Energy (MeV)

30-Zn-68

MAT 3037

(n,He3) Levels
293 Kelvin Cross Sections

30-Zn-68



13

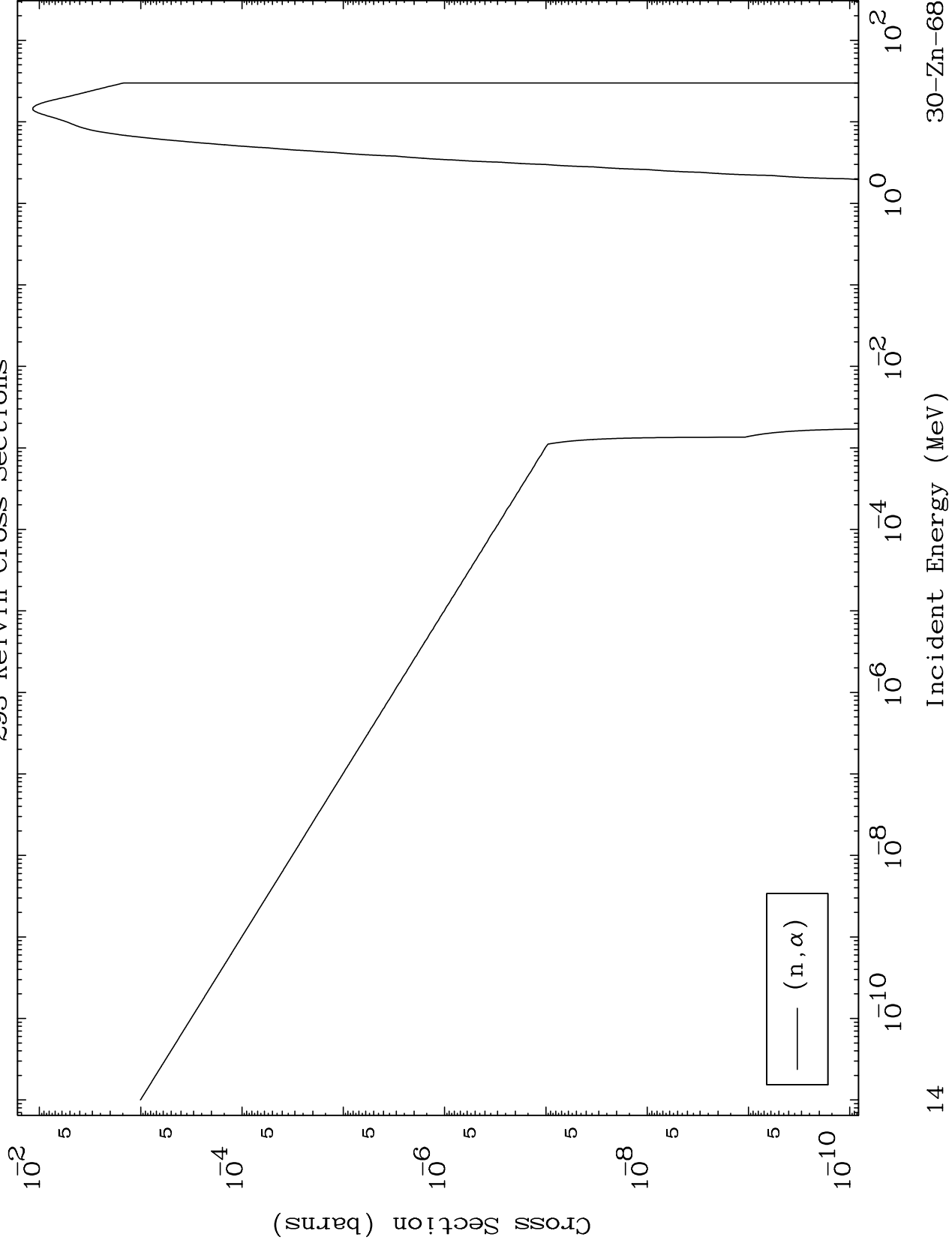
Incident Energy (MeV)

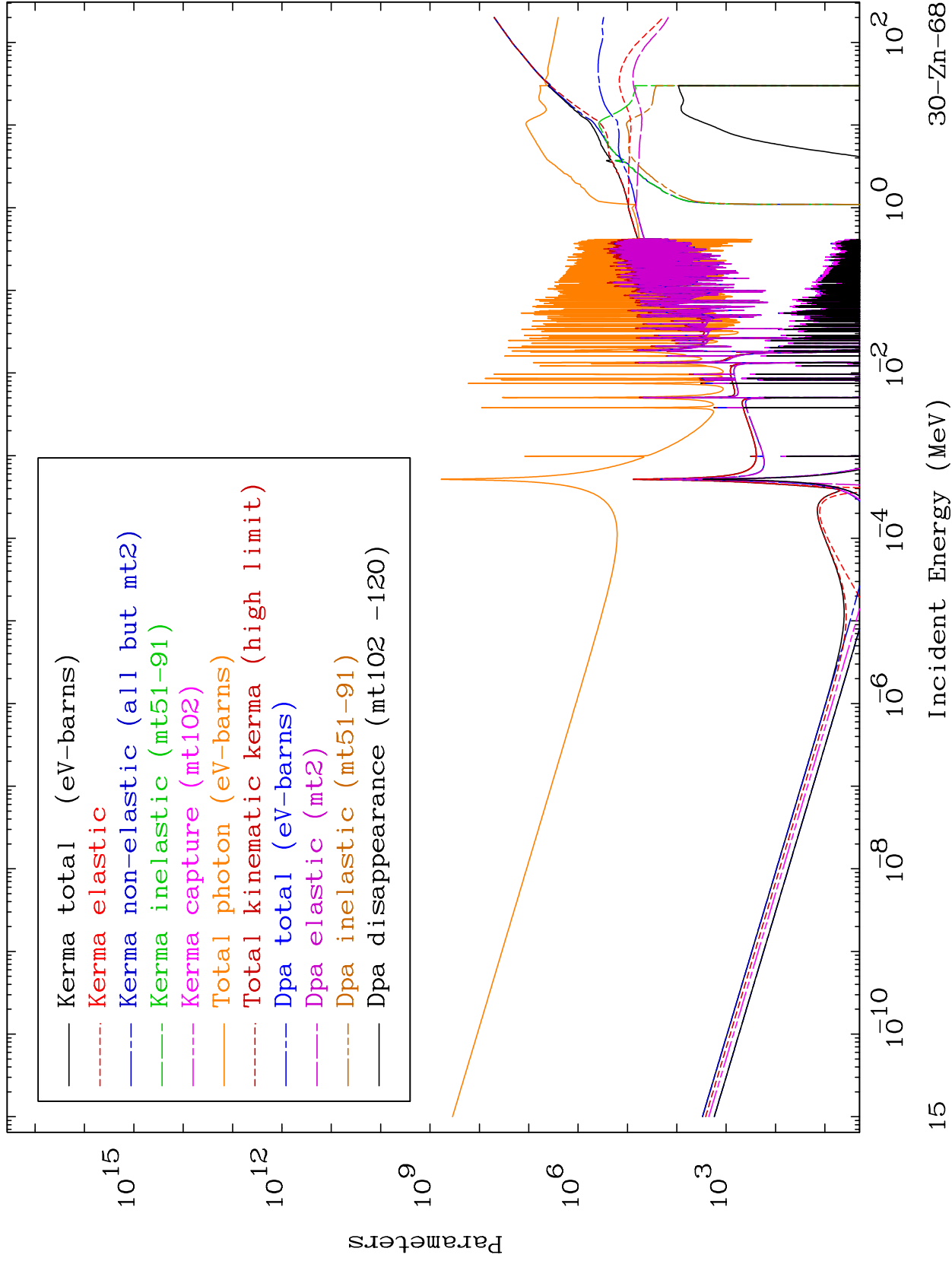
30-Zn-68

MAT 3037

(n, α) Levels
293 Kelvin Cross Sections

30-Zn-68

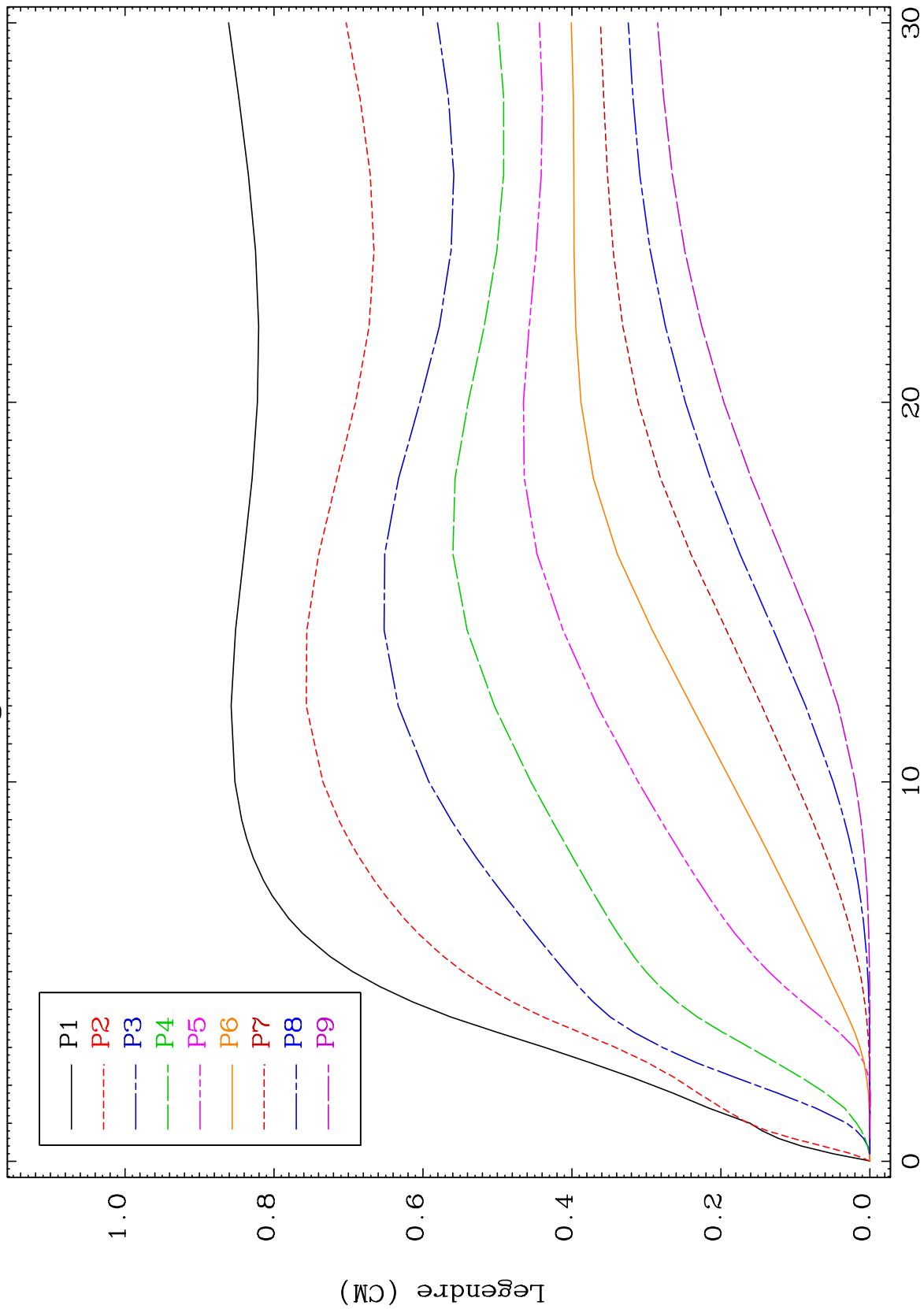




MAT 3037

Elastic Legendre Coefficients

30-Zn-68



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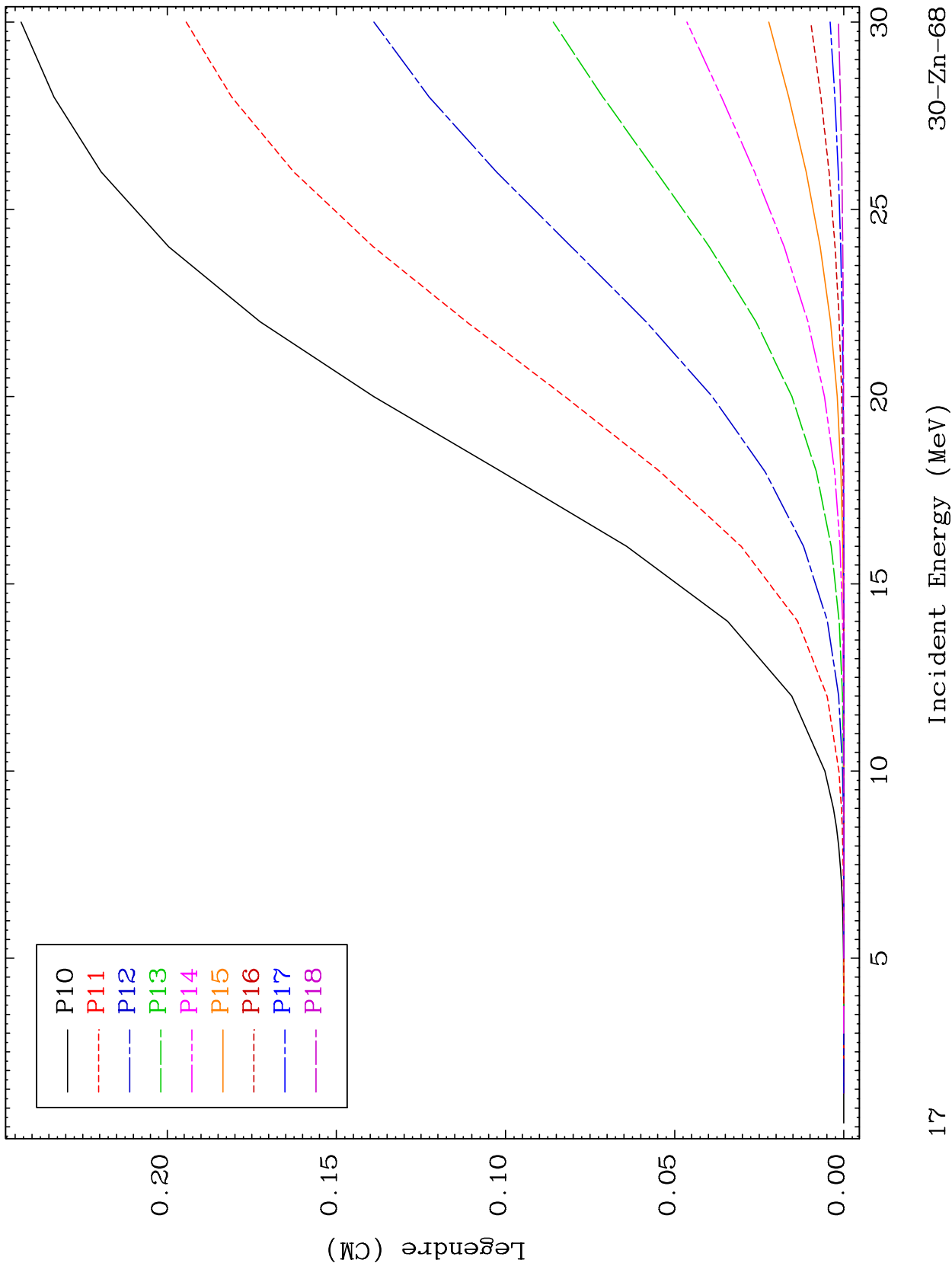
Incident Energy (MeV)

30-Zn-68

MAT 3037

Elastic
Legendre Coefficients

30-Zn-68



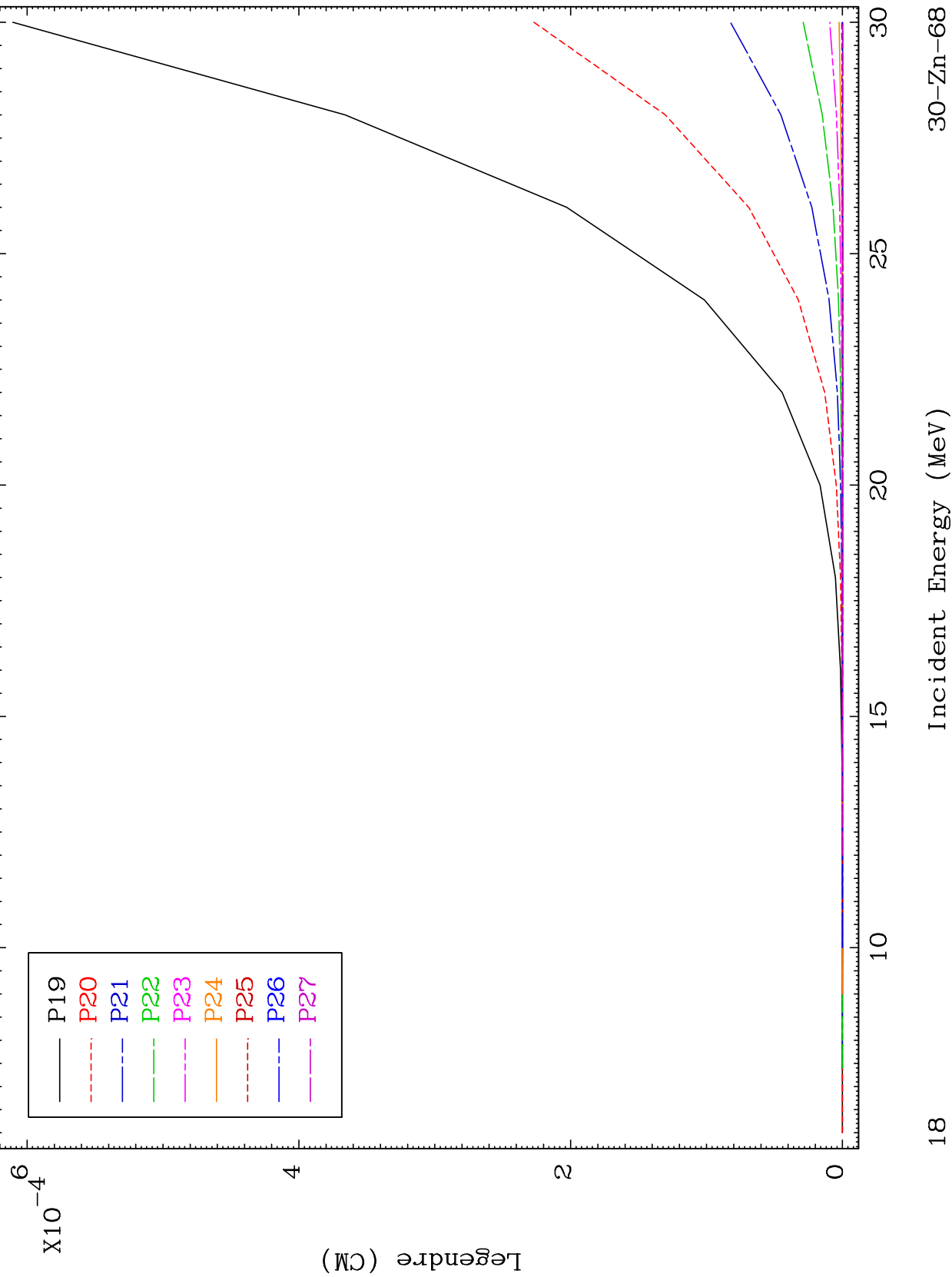
17

30-Zn-68

MAT 3037

Elastic Legendre Coefficients

30-Zn-68



18

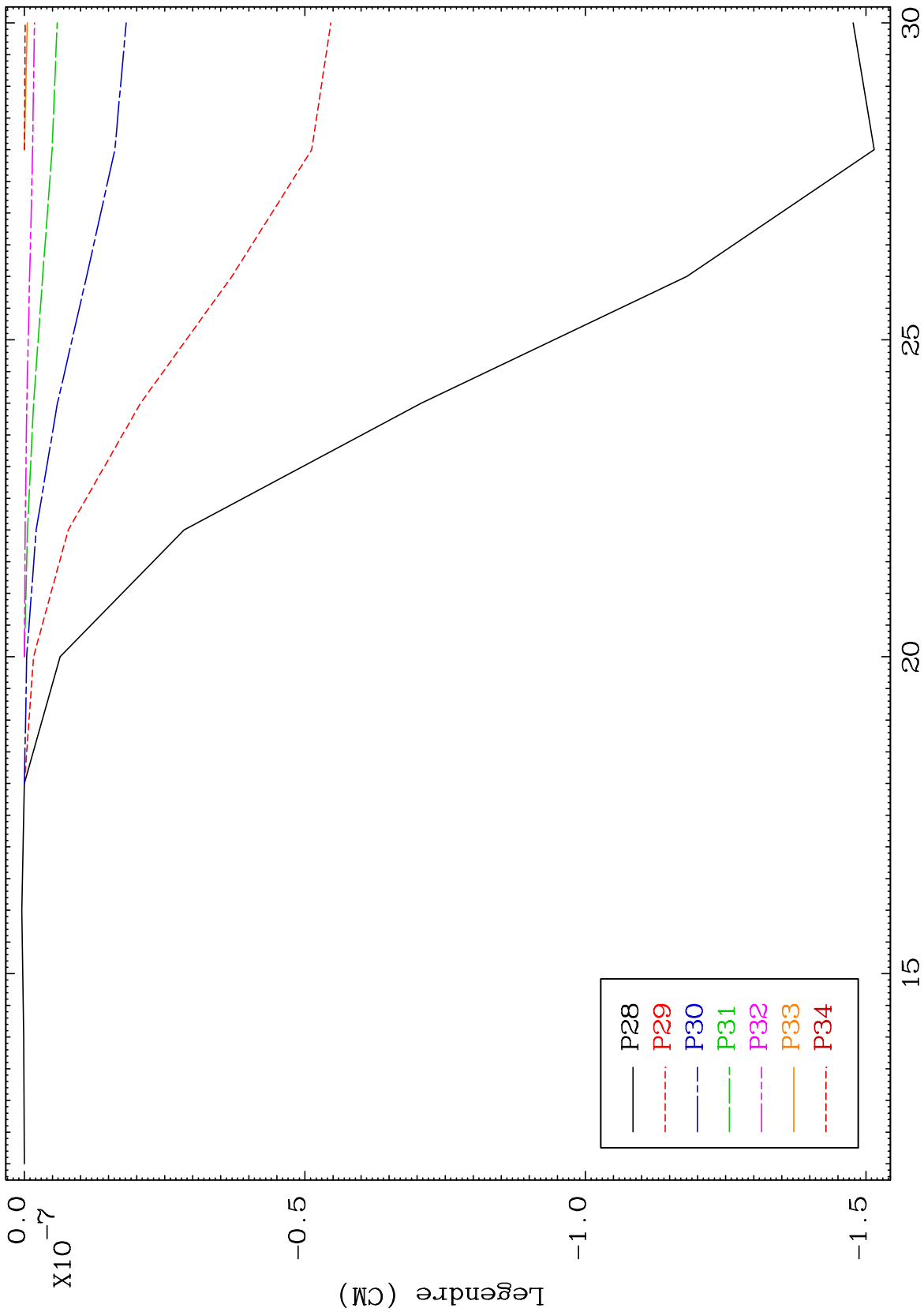
Incident Energy (MeV)

30-Zn-68

MAT 3037

30-Zn-68

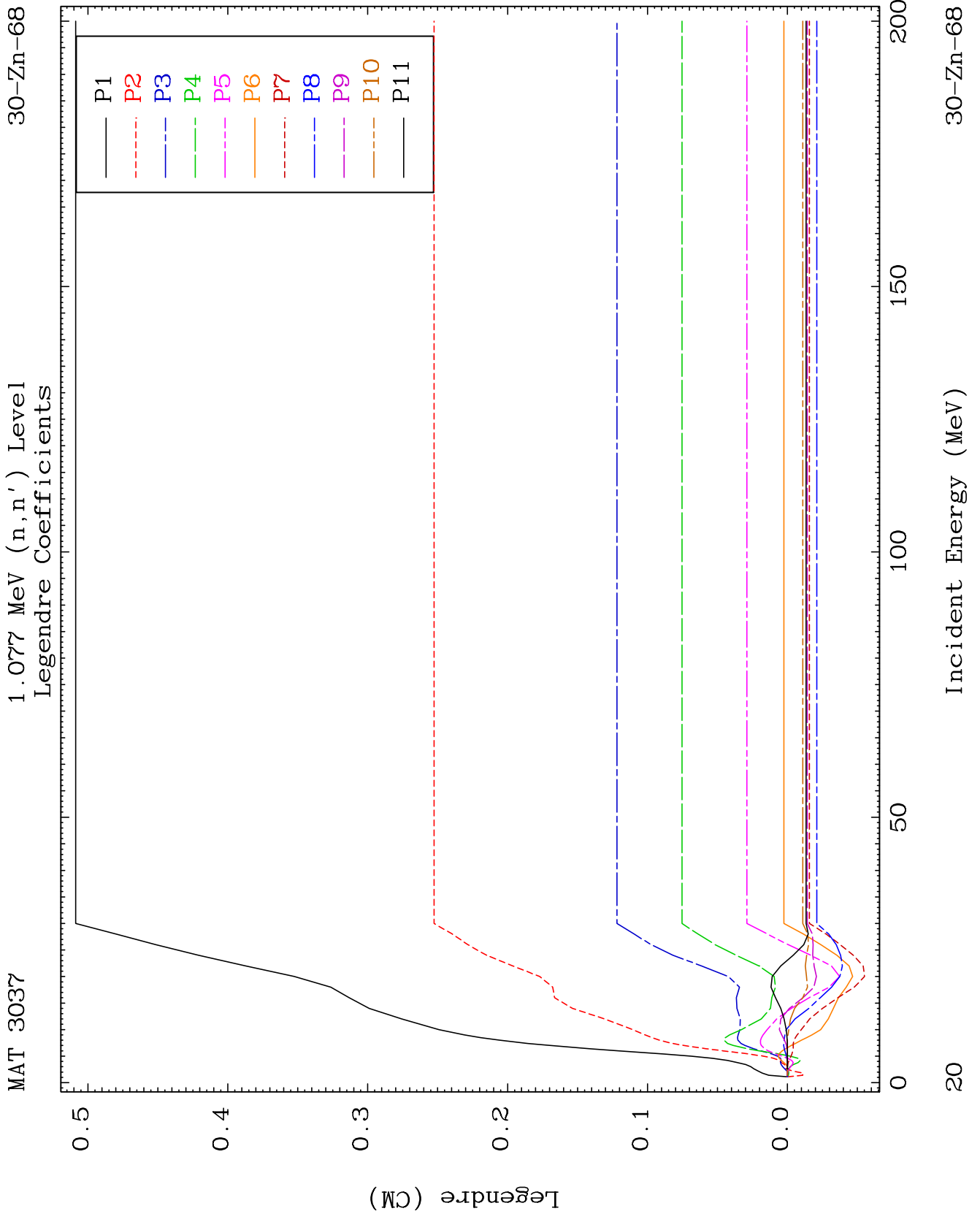
Elastic Legendre Coefficients



19

Incident Energy (MeV)

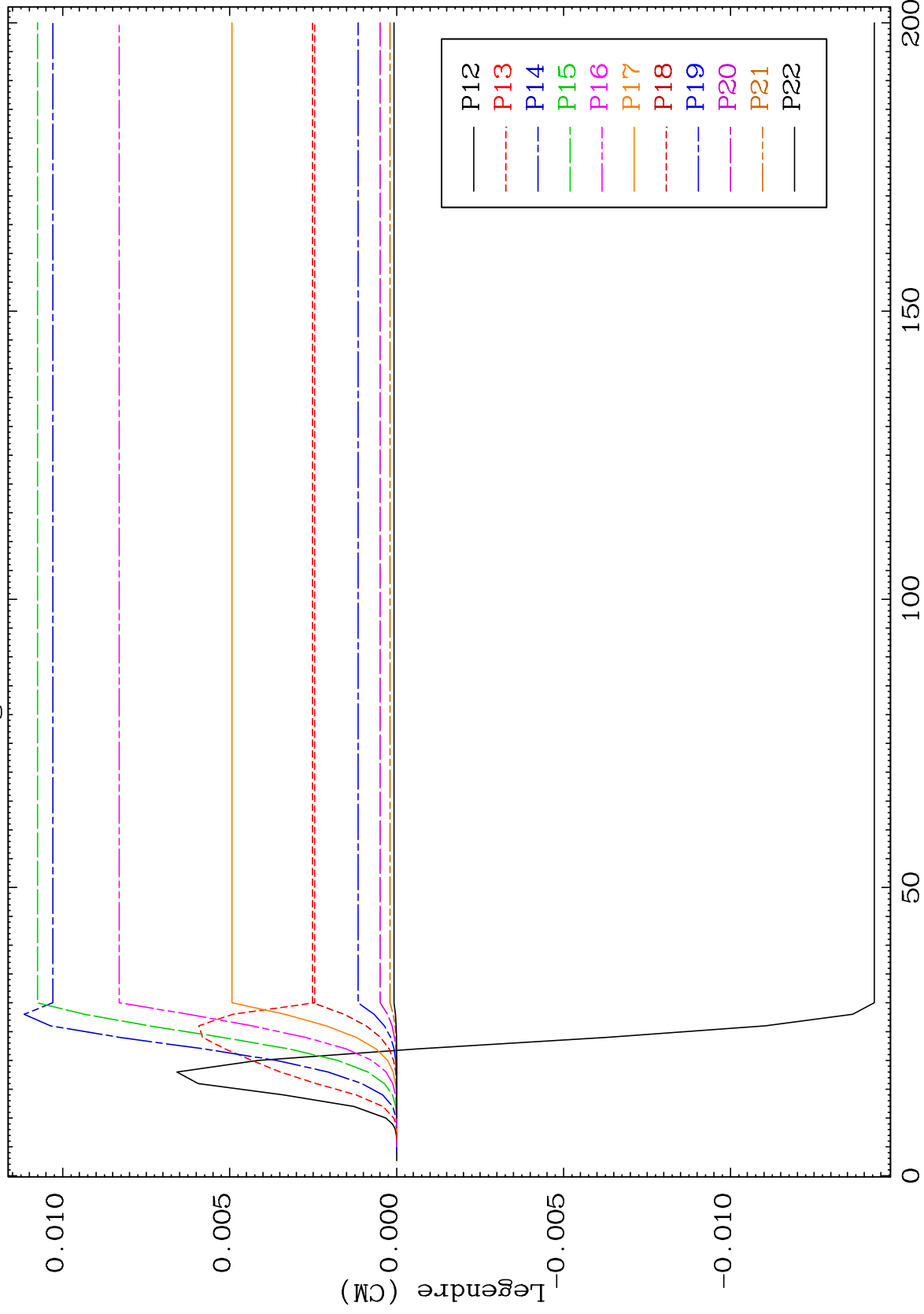
30-Zn-68



MAT 3037

1.077 MeV (n, n') Level
Legendre Coefficients

30-Zn-68



21

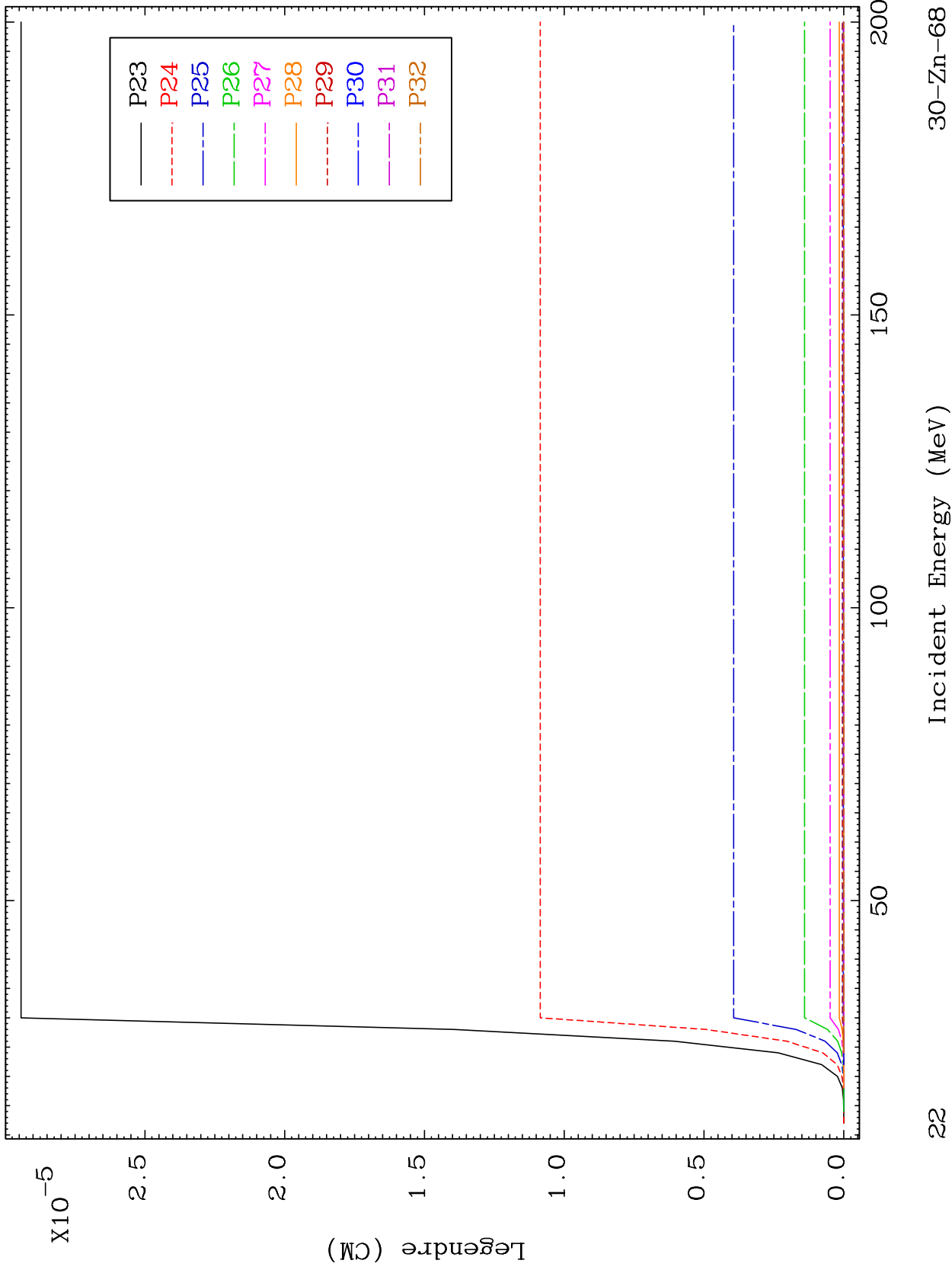
Incident Energy (MeV)

30-Zn-68

MAT 3037

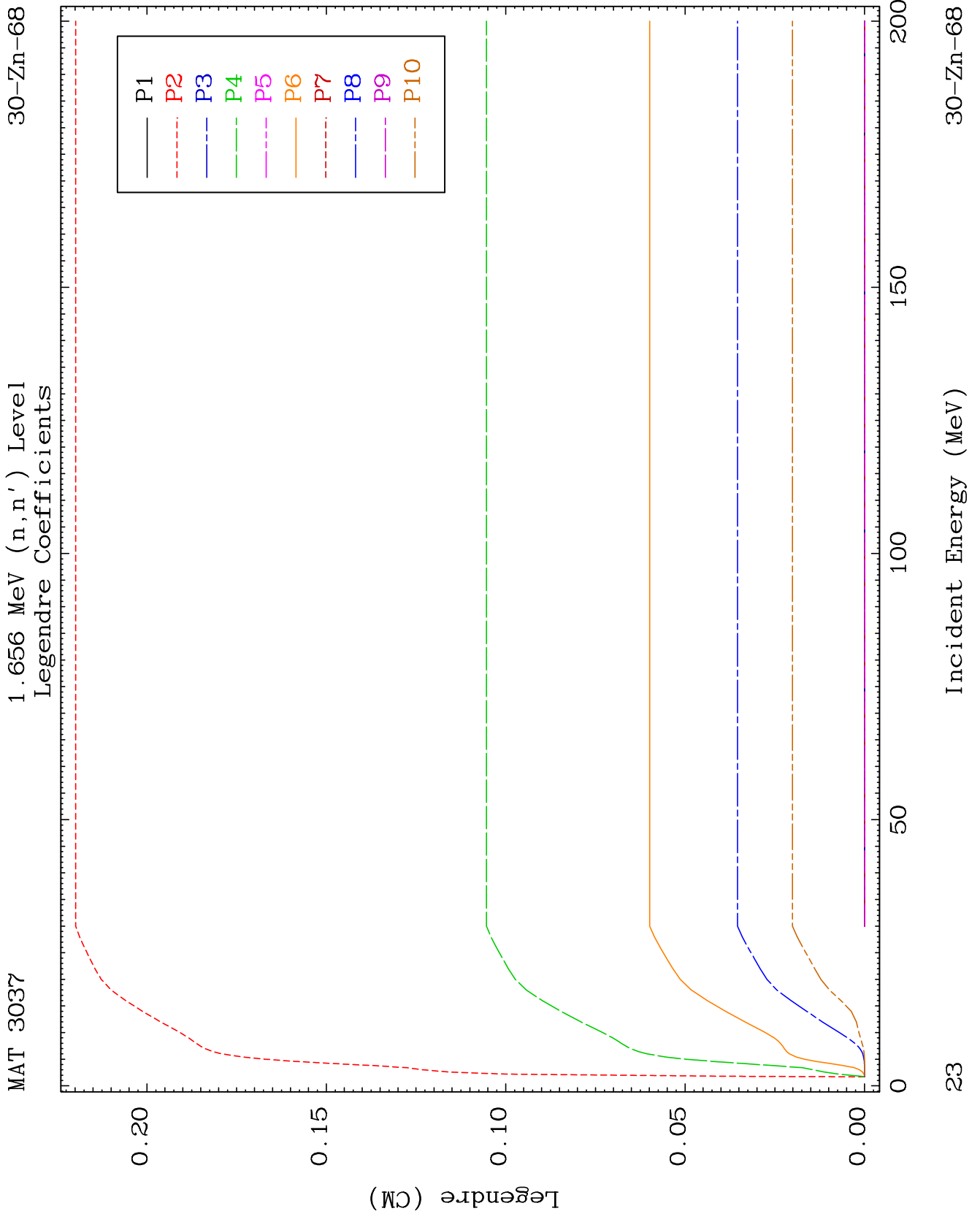
1.077 MeV (n,n') Level
Legendre Coefficients

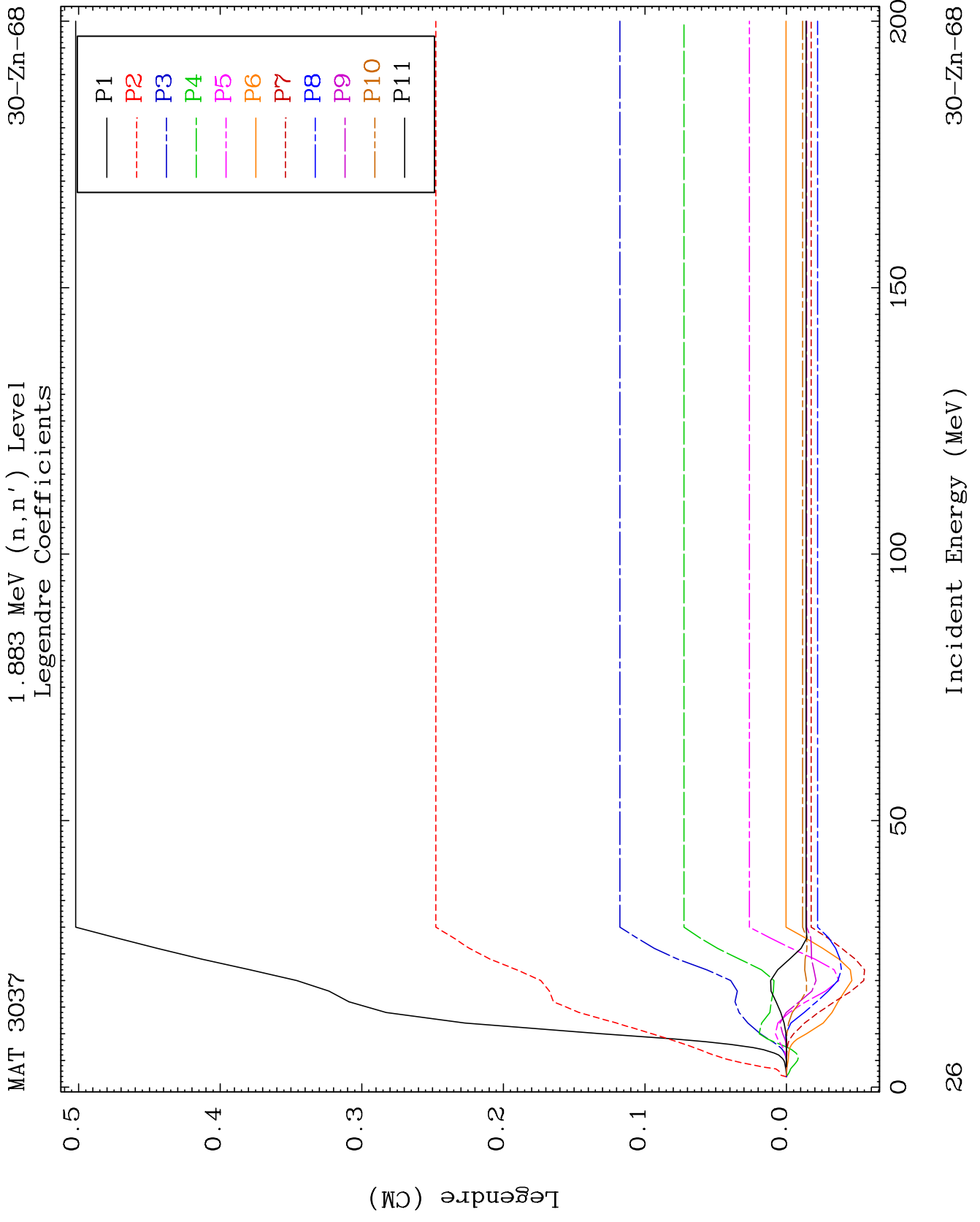
30-Zn-68

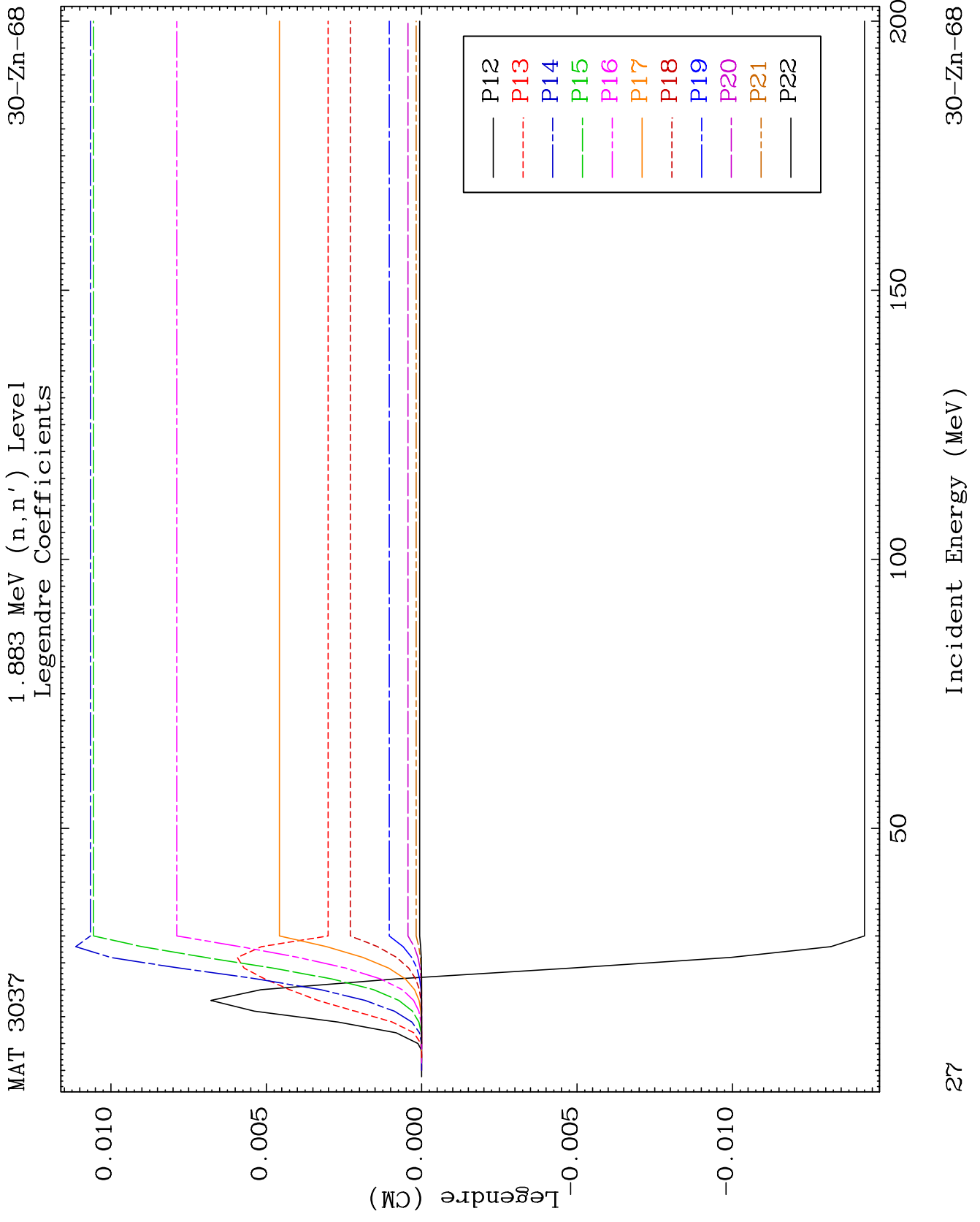


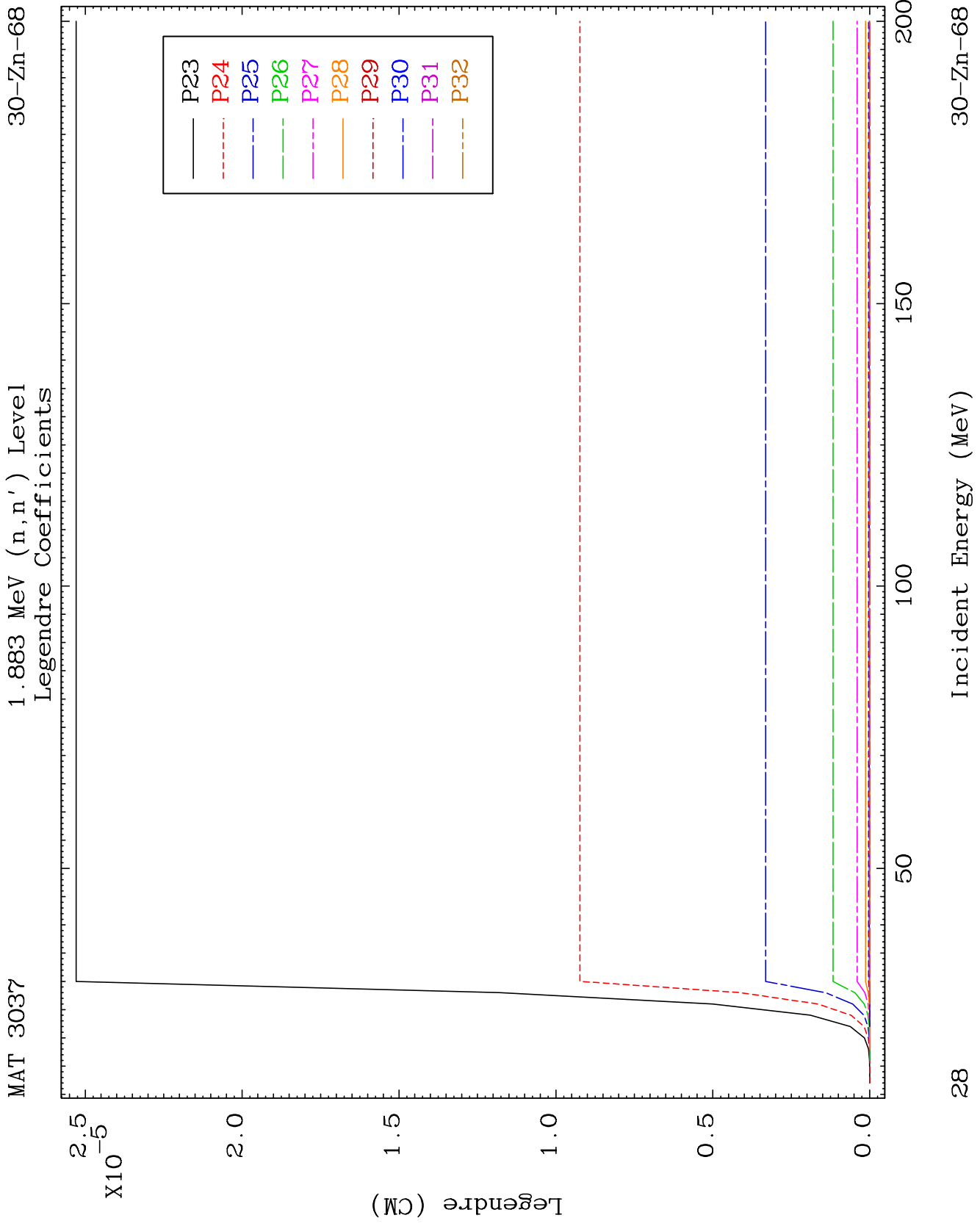
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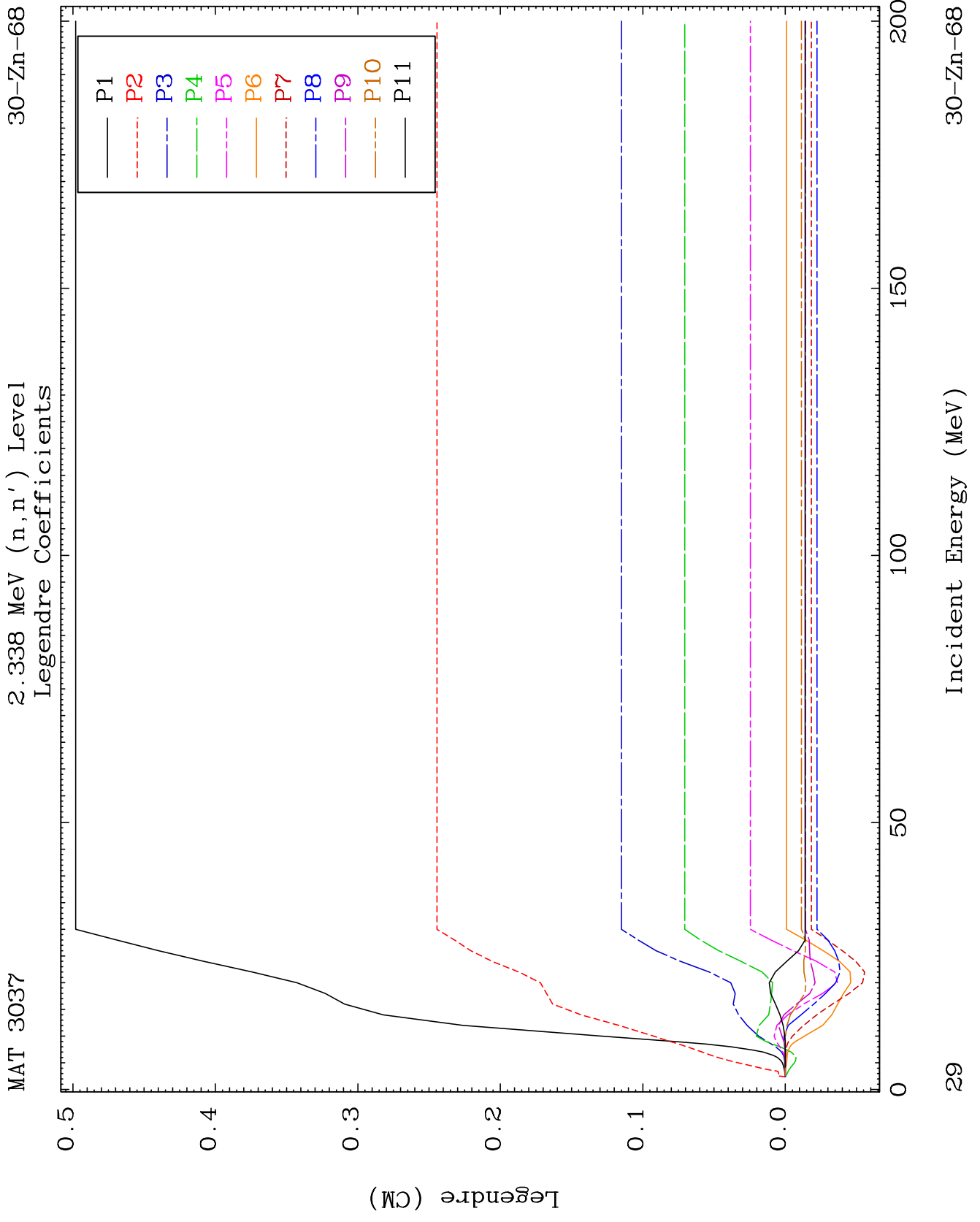
30-Zn-68

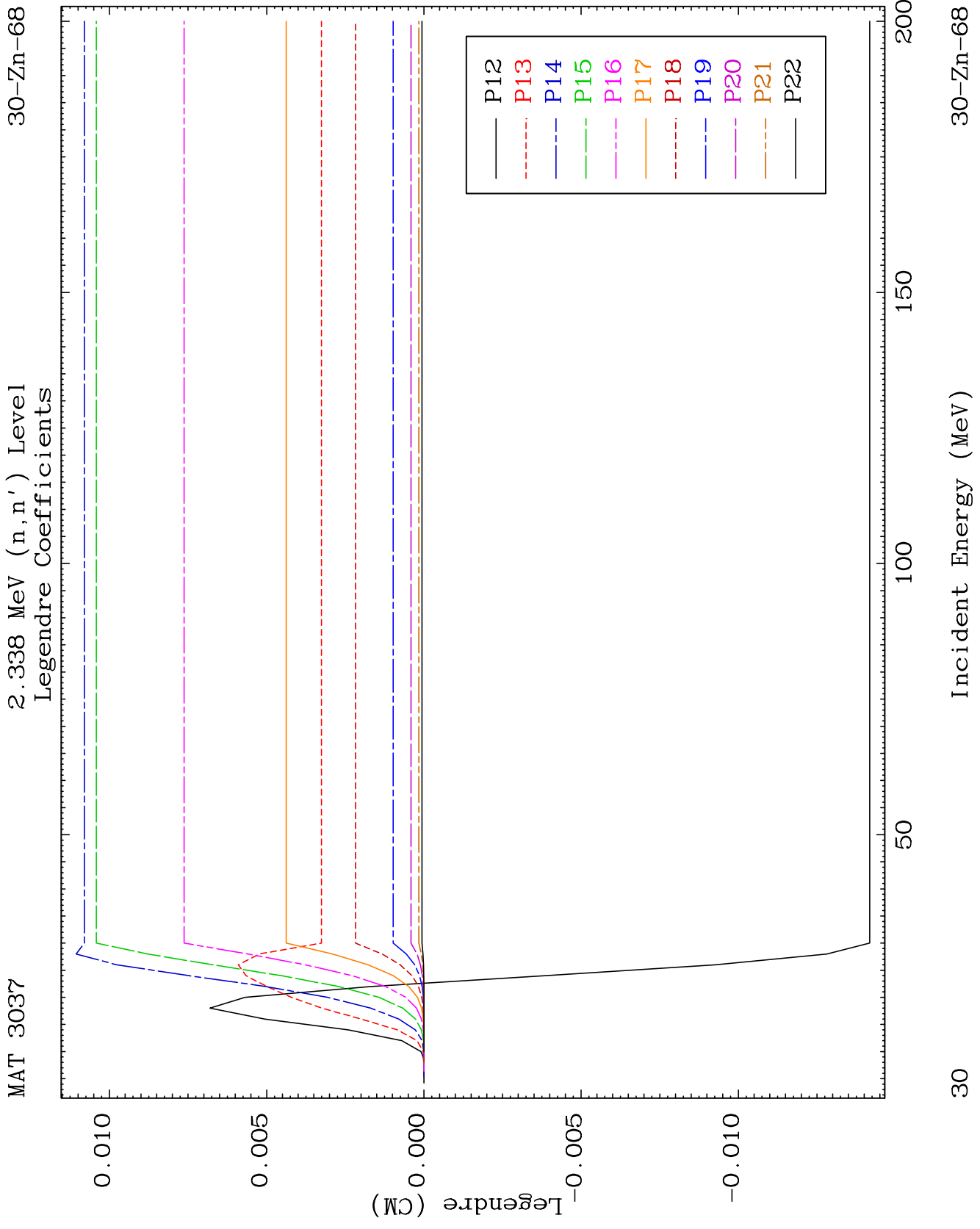


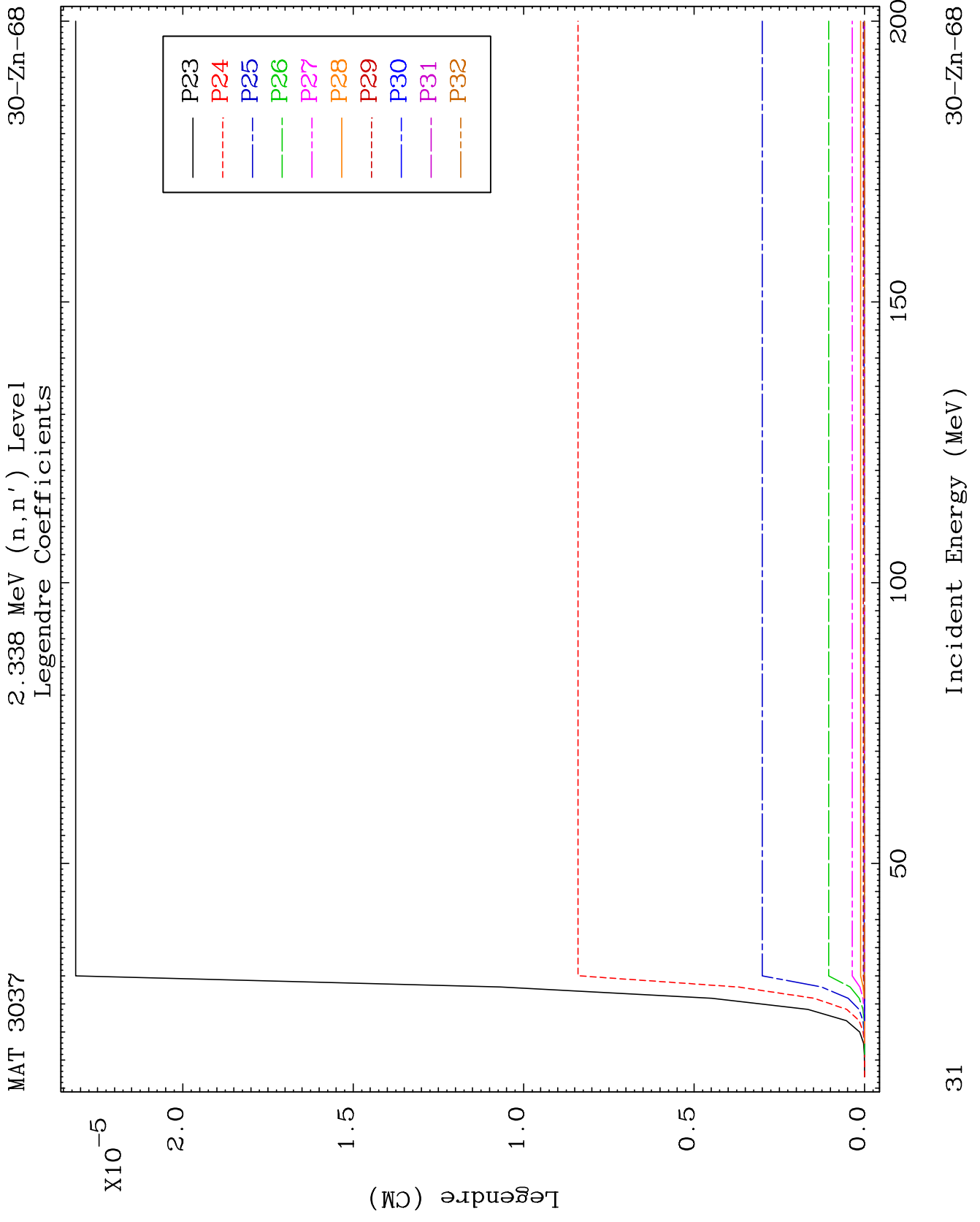


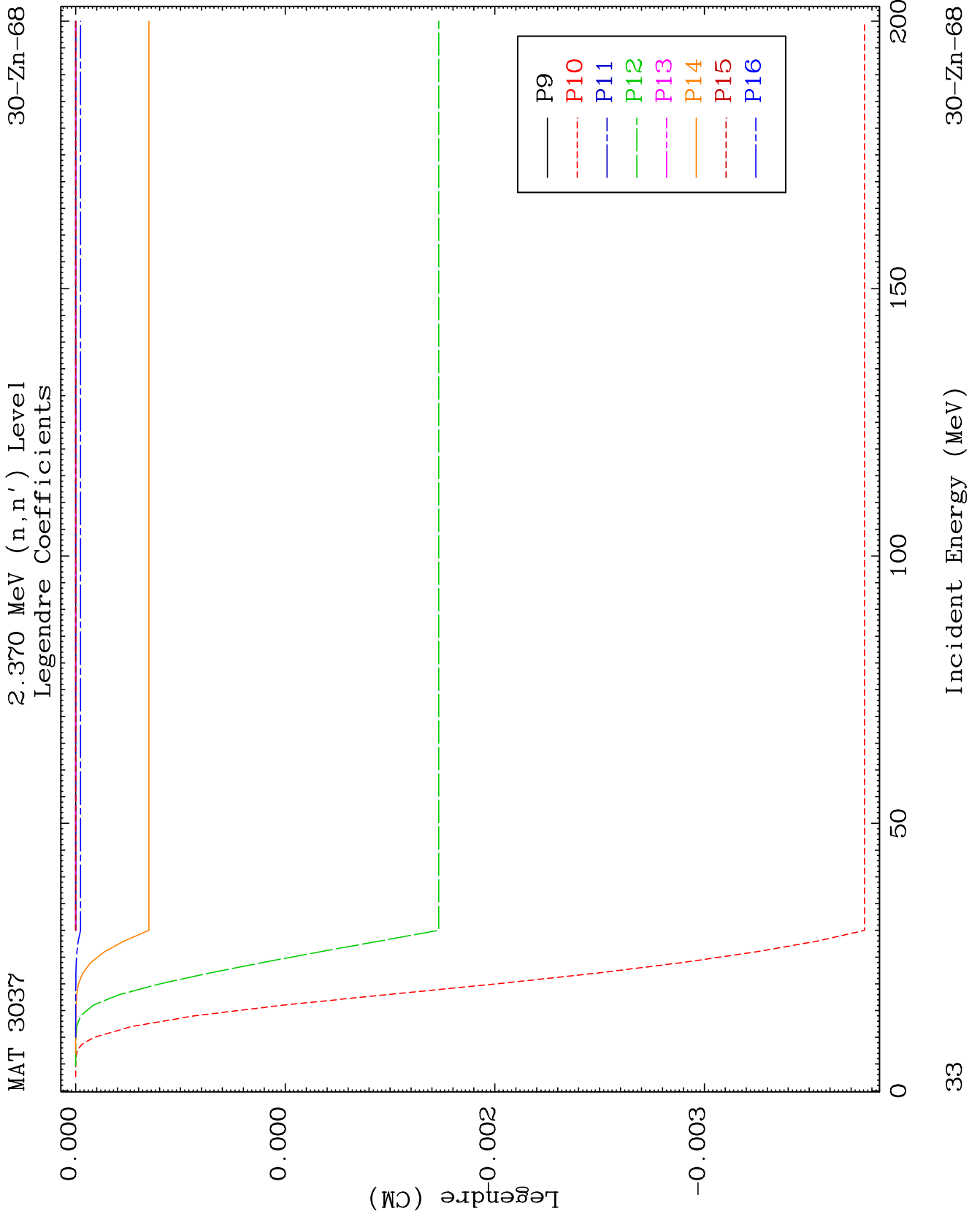


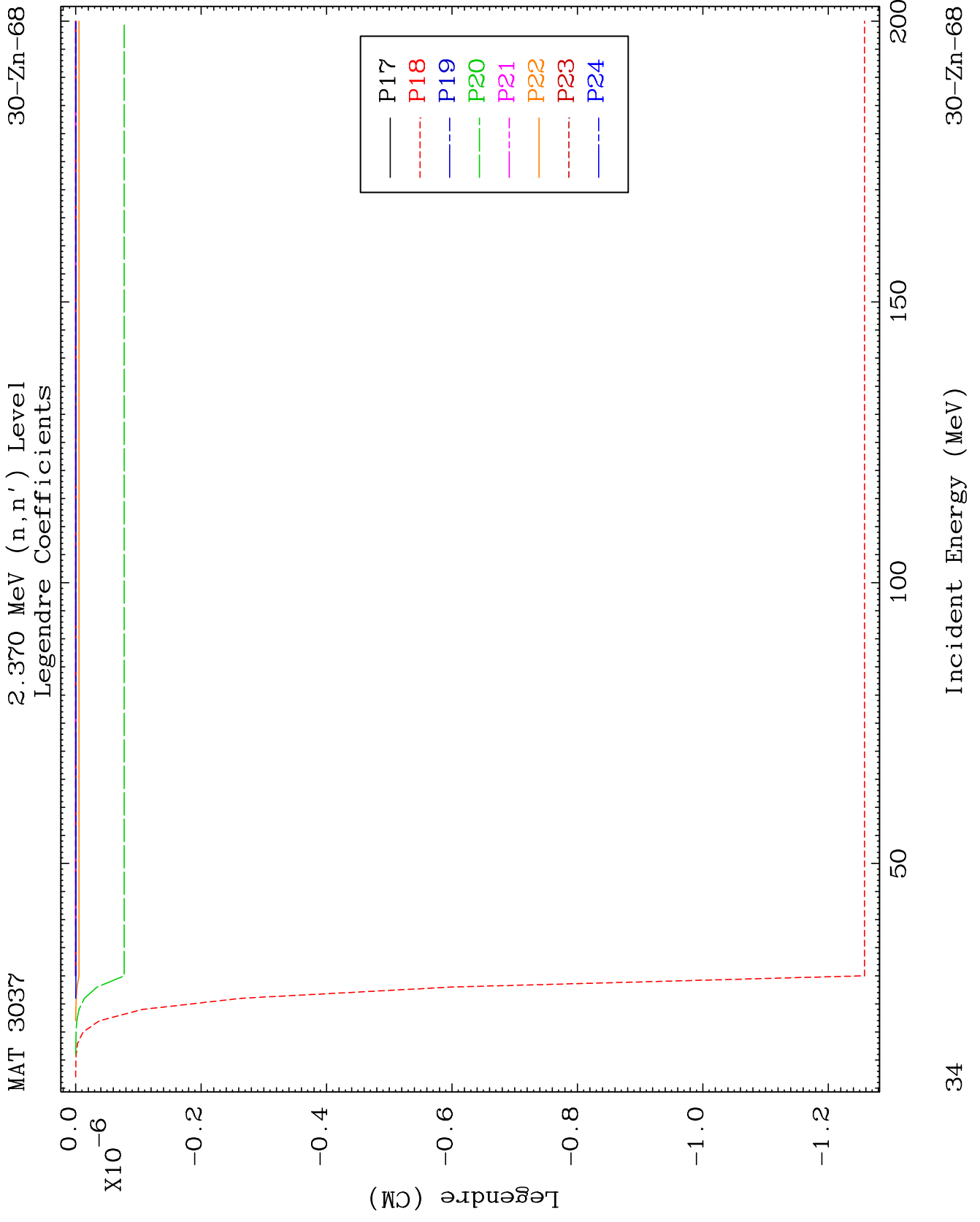


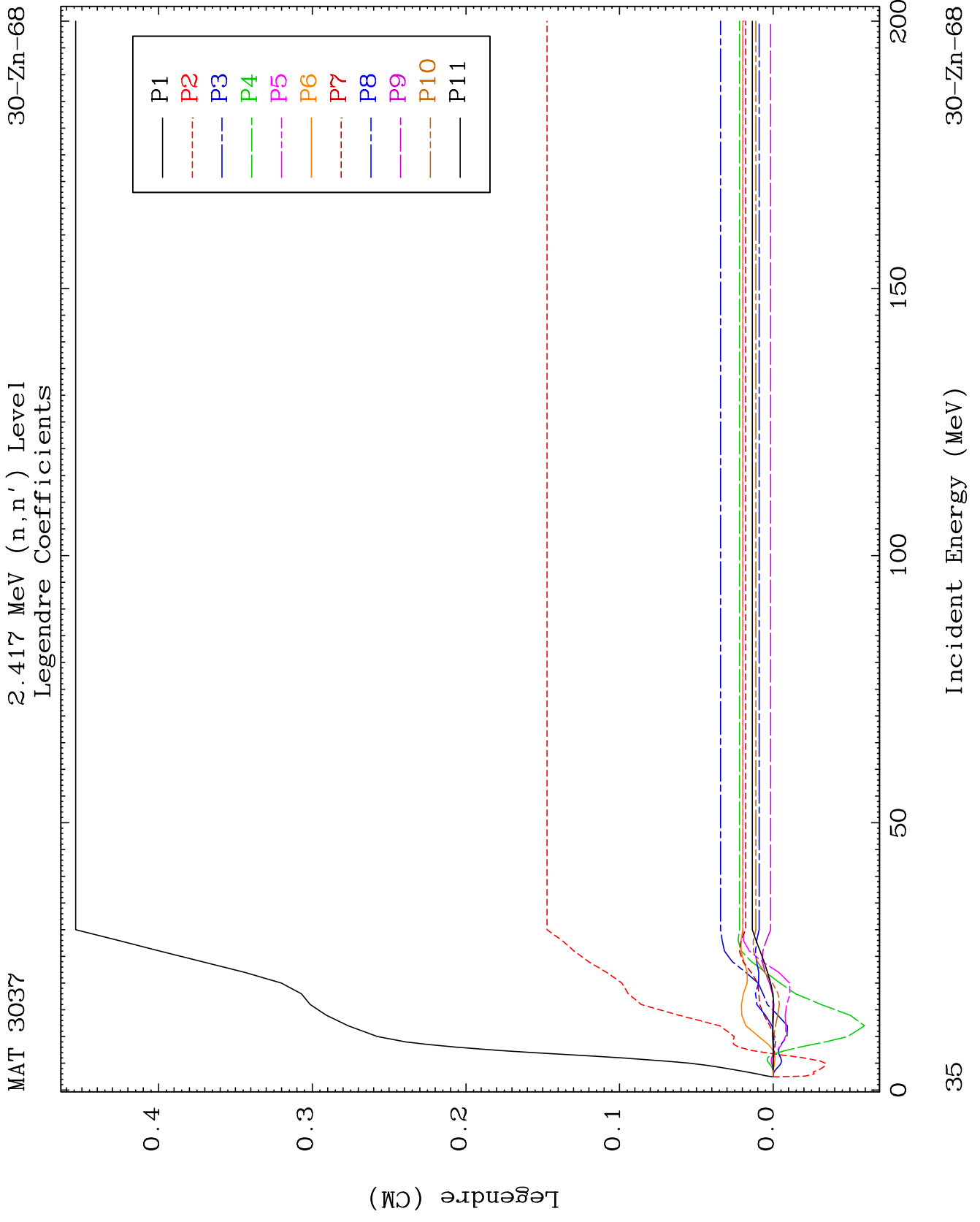








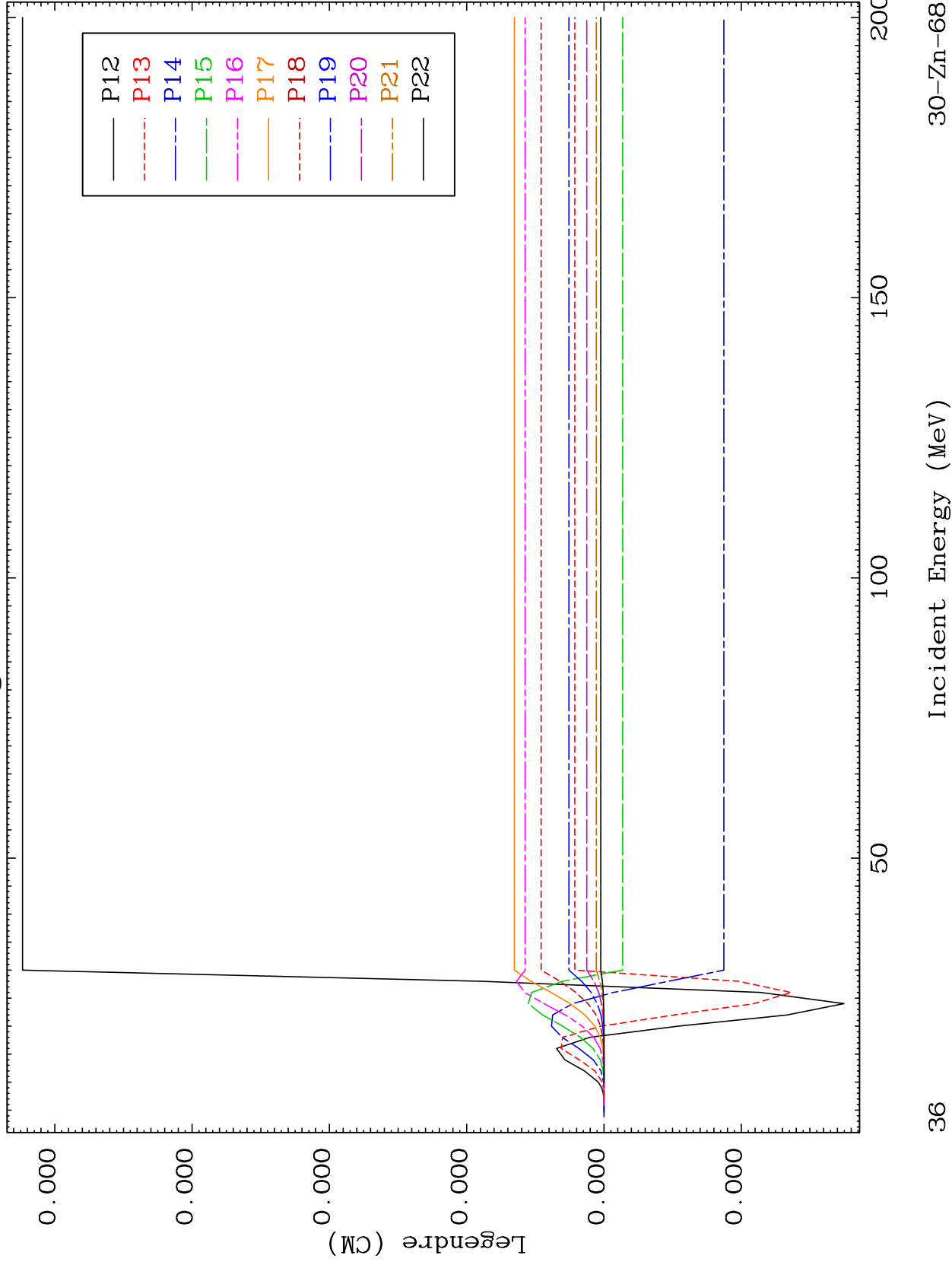




MAT 3037

2.417 MeV (n,n') Level
Legendre Coefficients

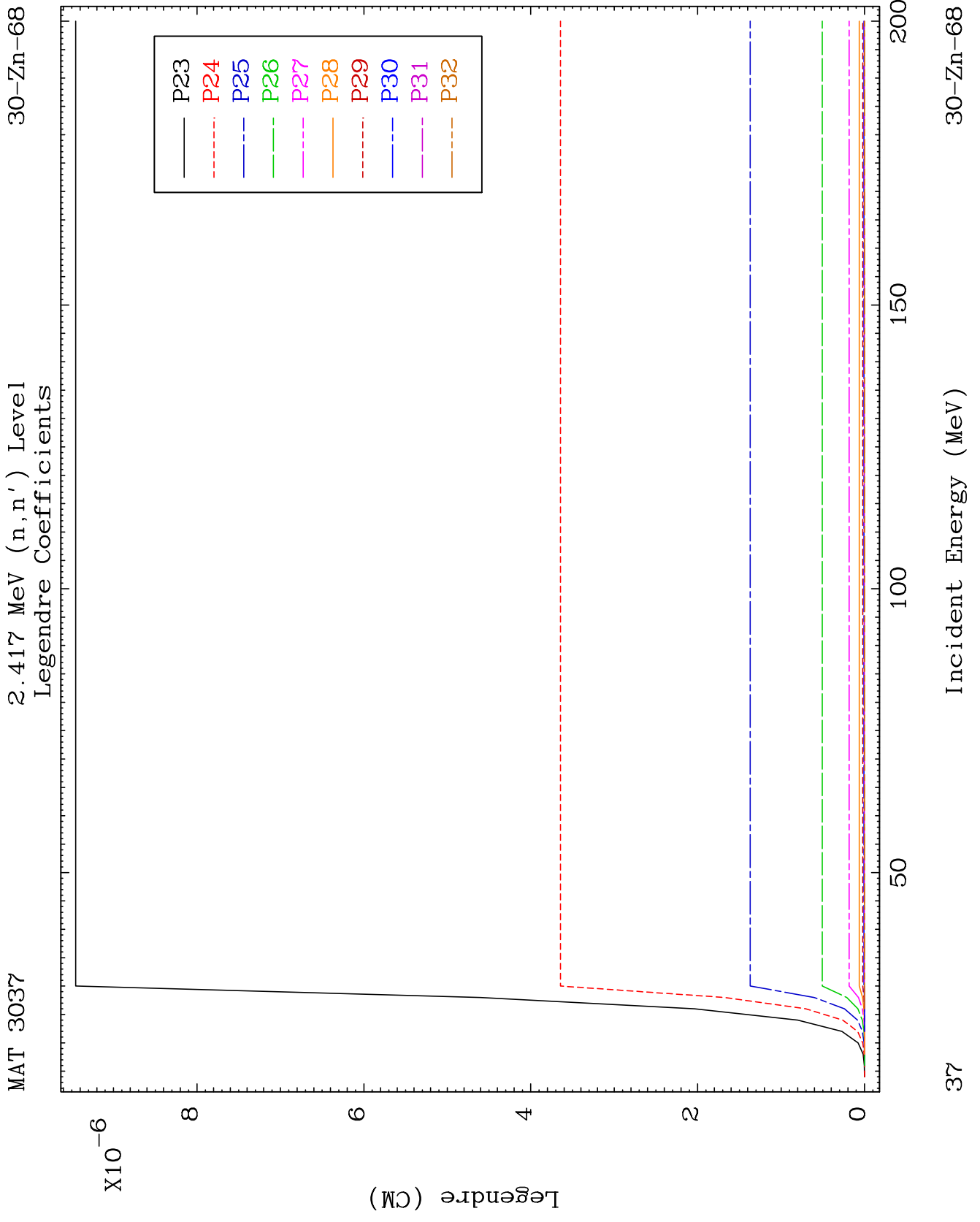
30-Zn-68

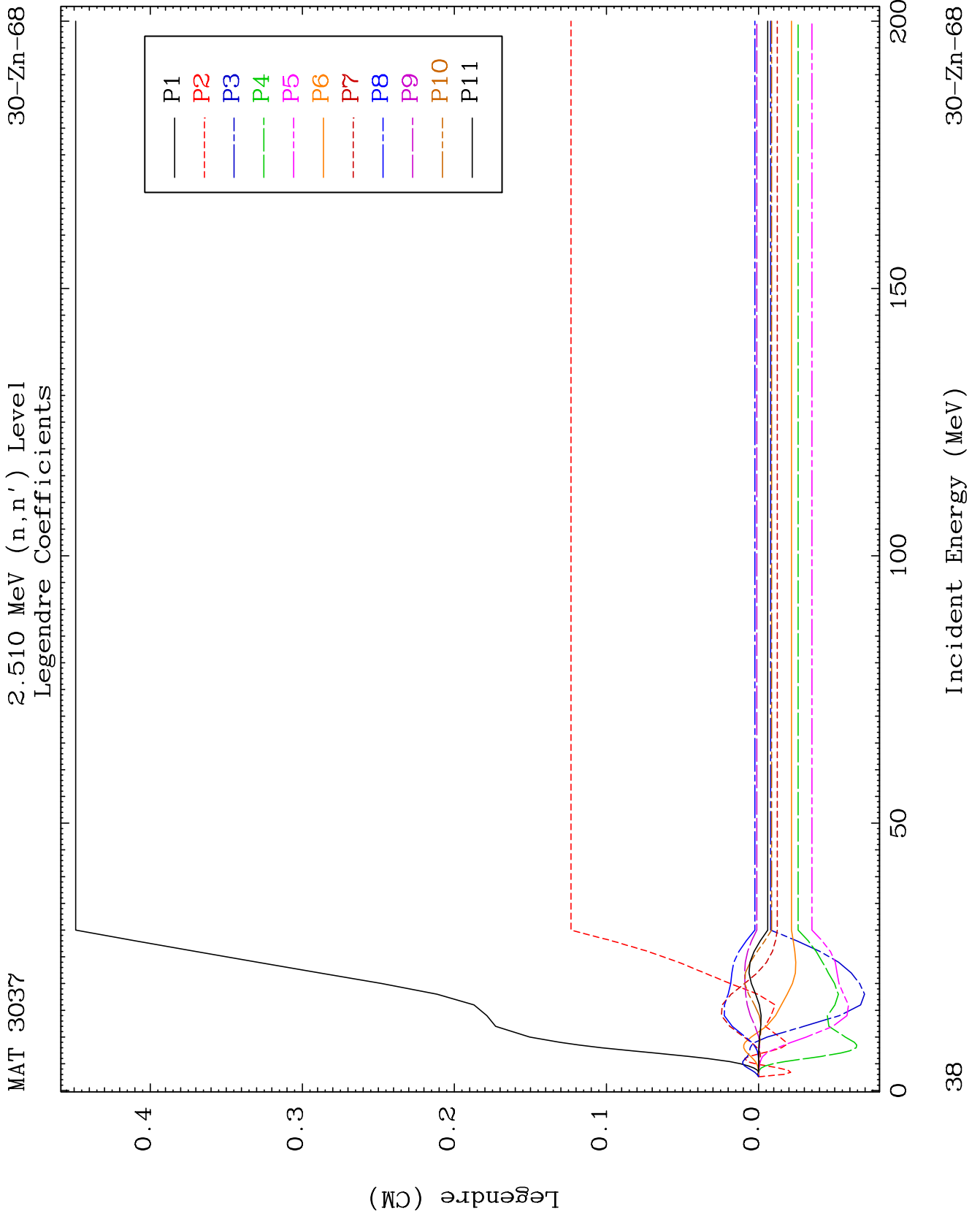


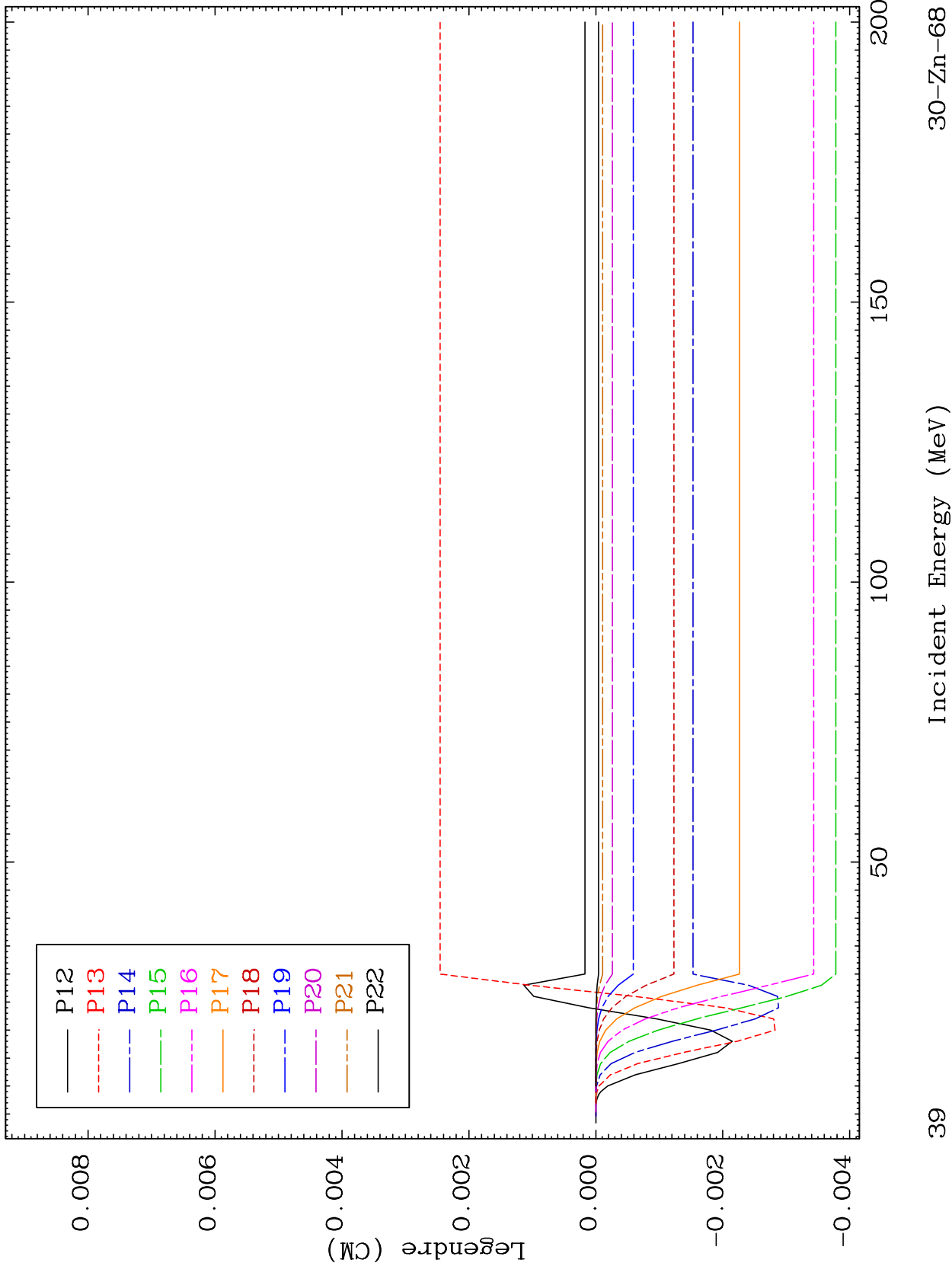
36

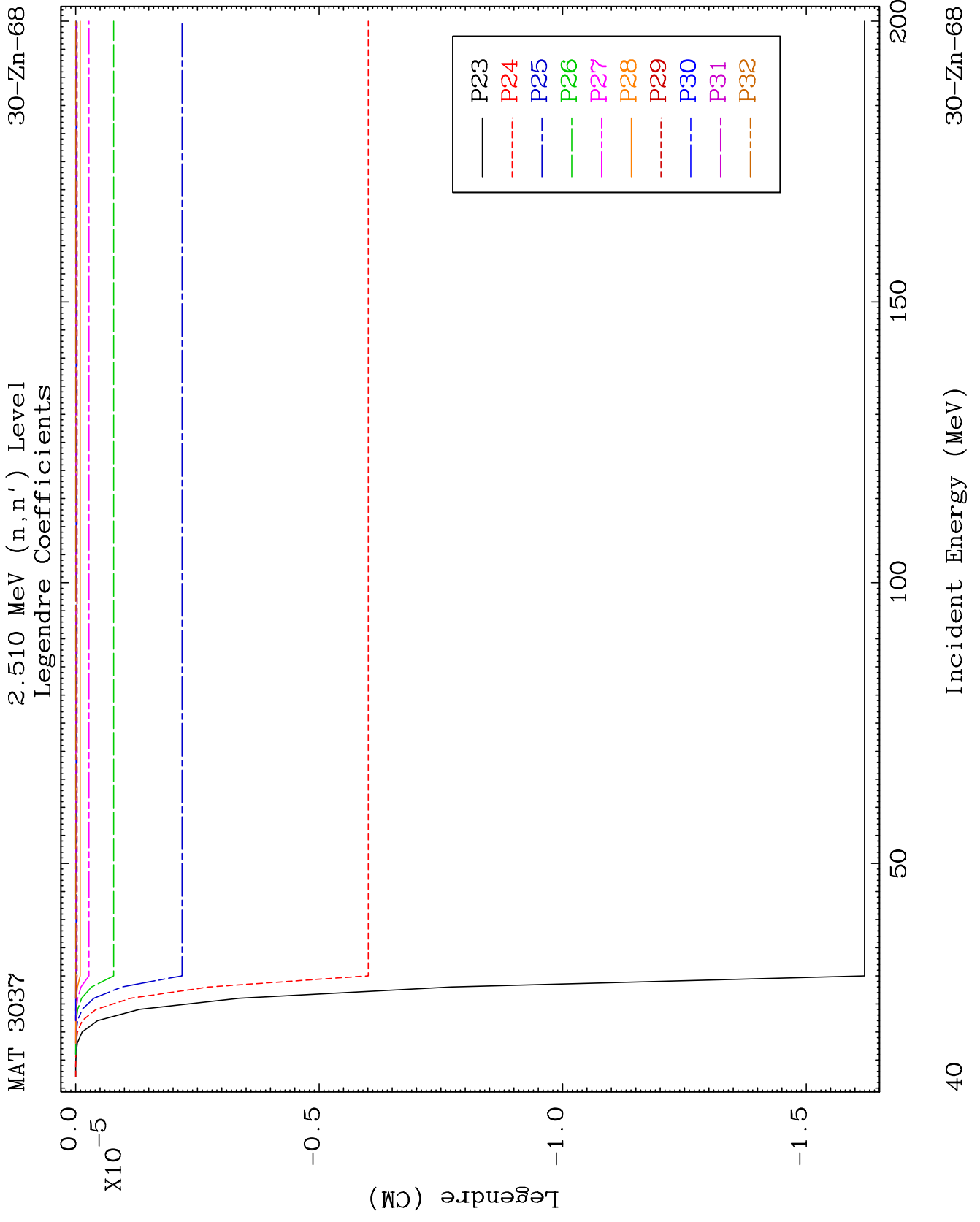
Incident Energy (MeV)

30-Zn-68





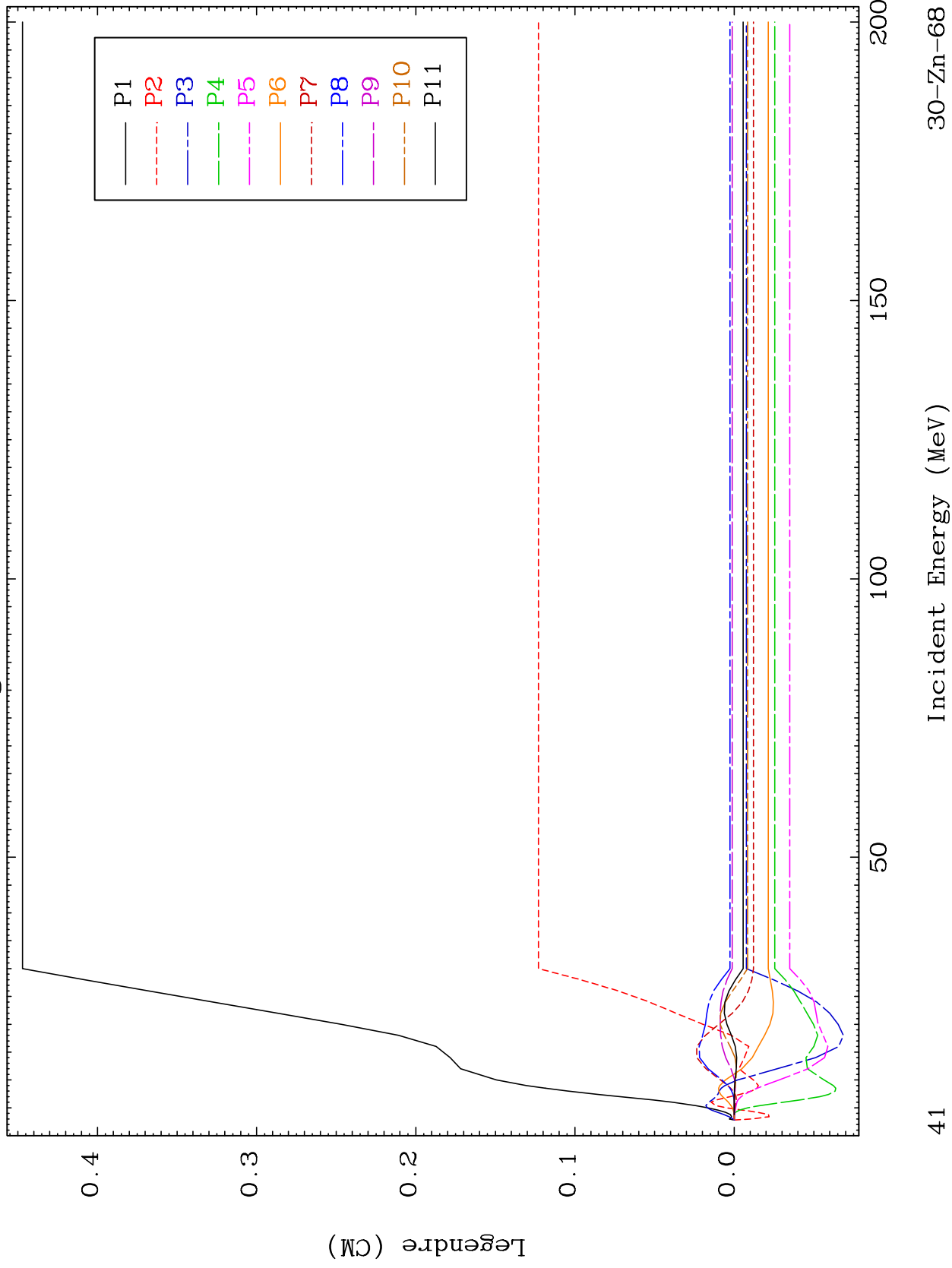




MAT 3037

2.751 MeV (n,n') Level
Legendre Coefficients

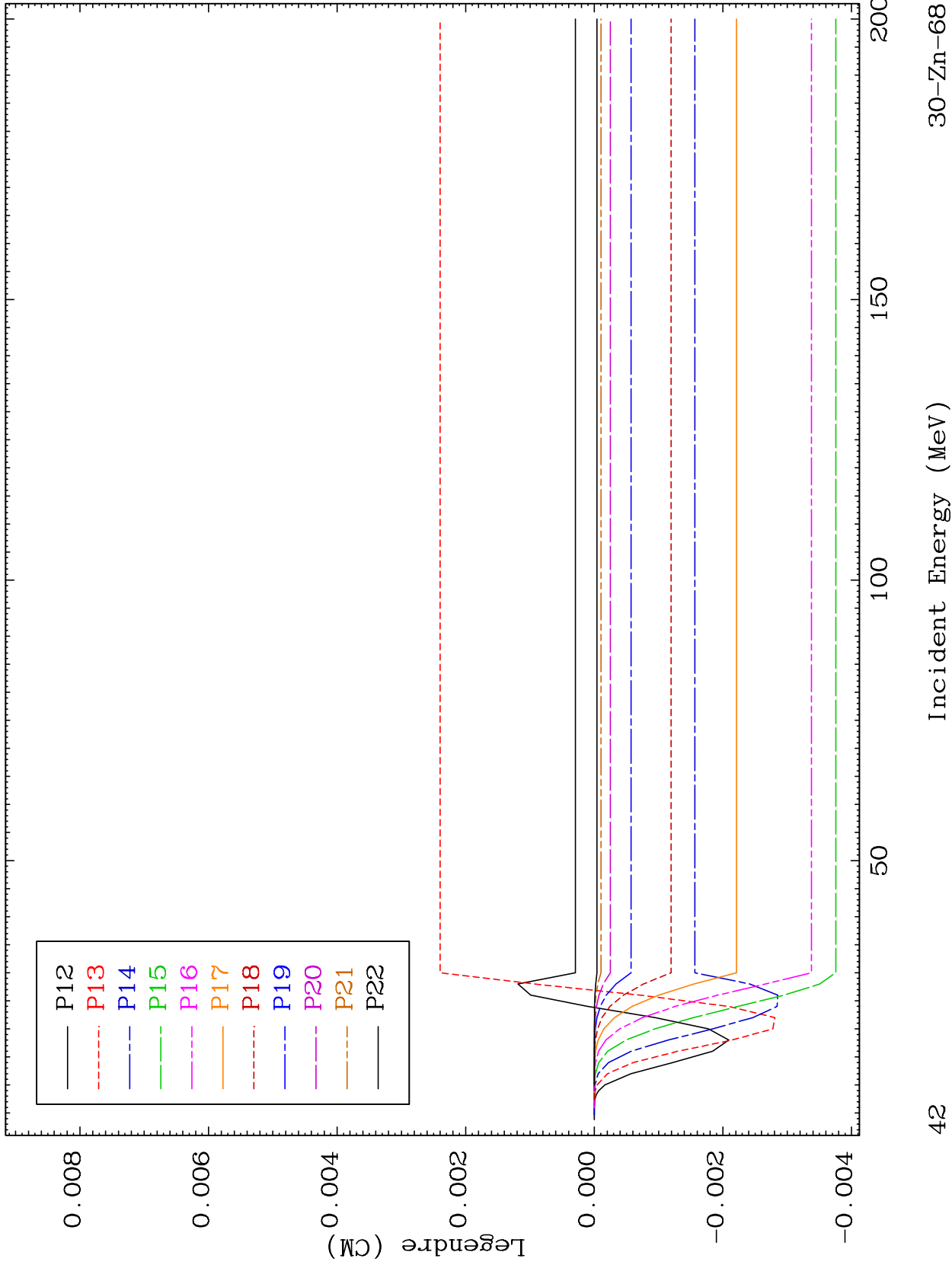
30-Zn-68



MAT 3037

2.751 MeV (n,n') Level
Legendre Coefficients

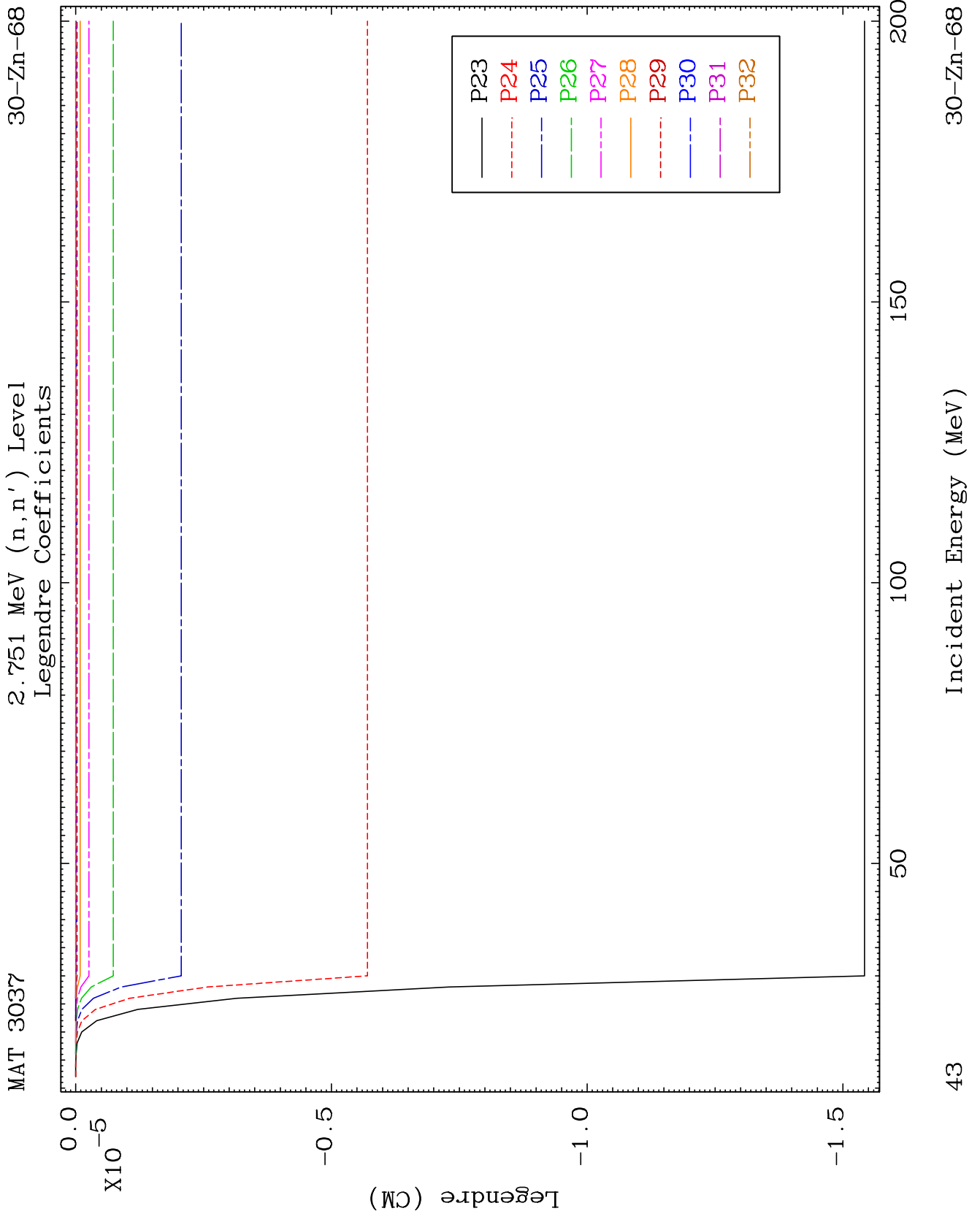
30-Zn-68

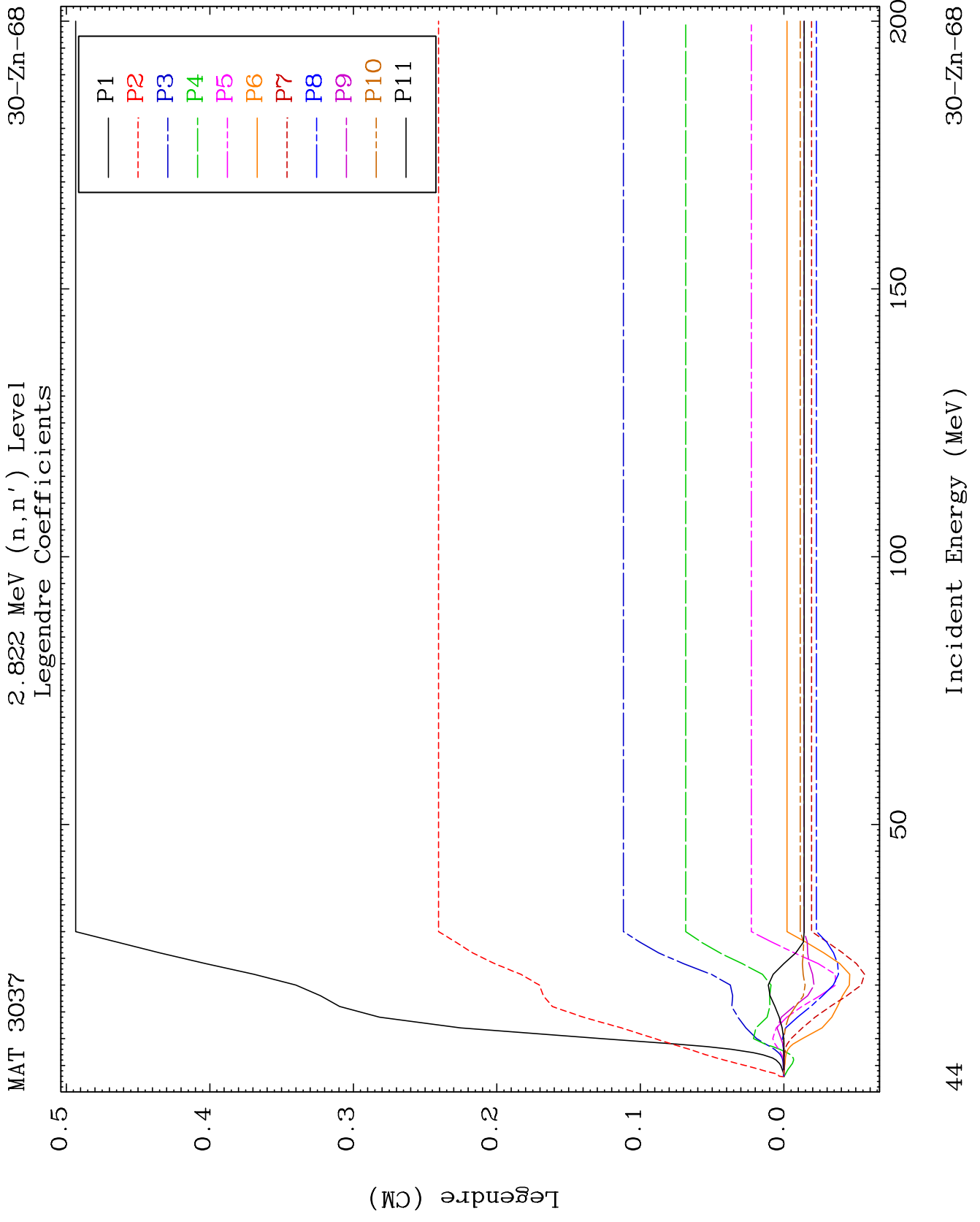


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Incident Energy (MeV)

30-Zn-68

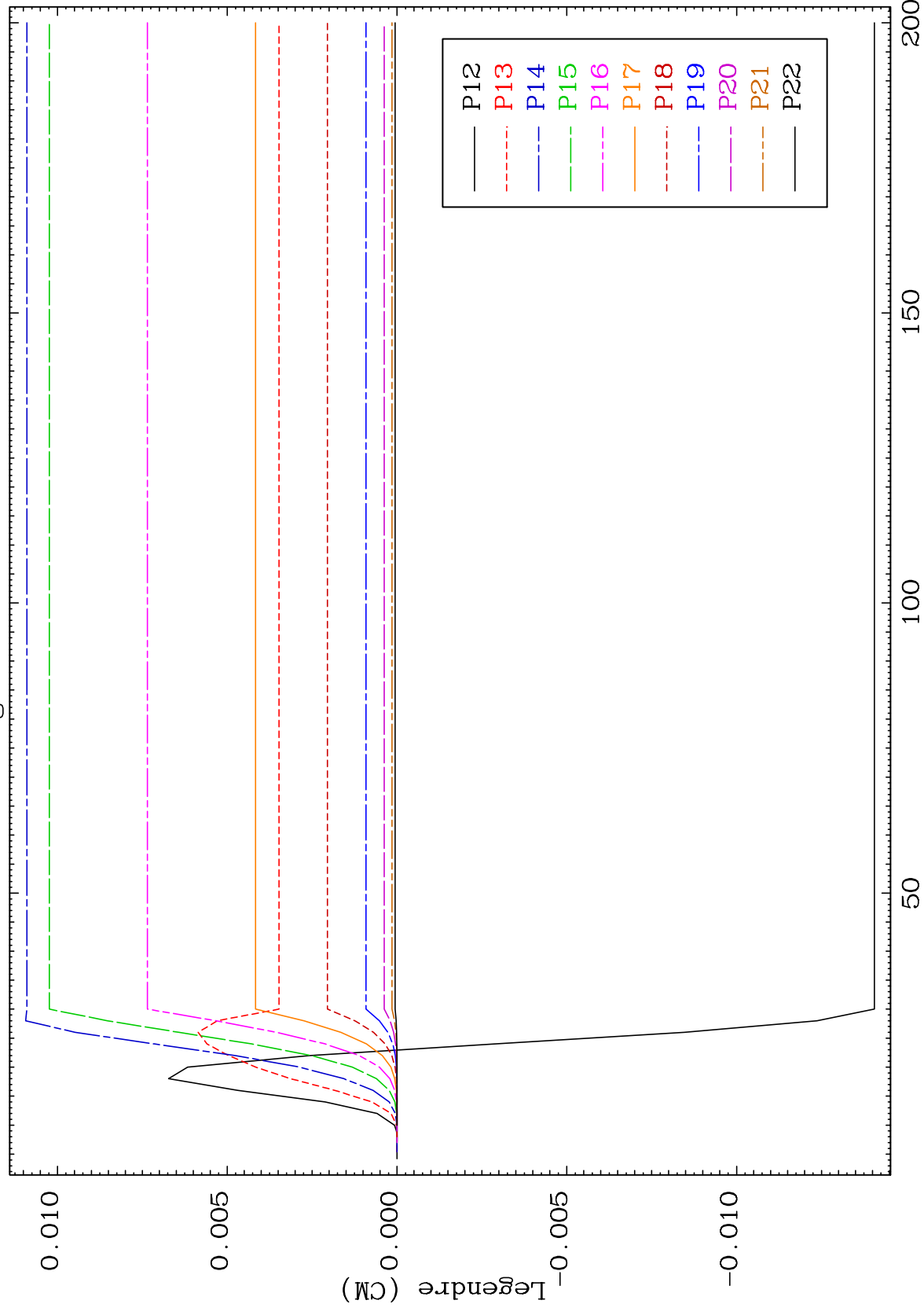




MAT 3037

2.822 MeV (n, n') Level
Legendre Coefficients

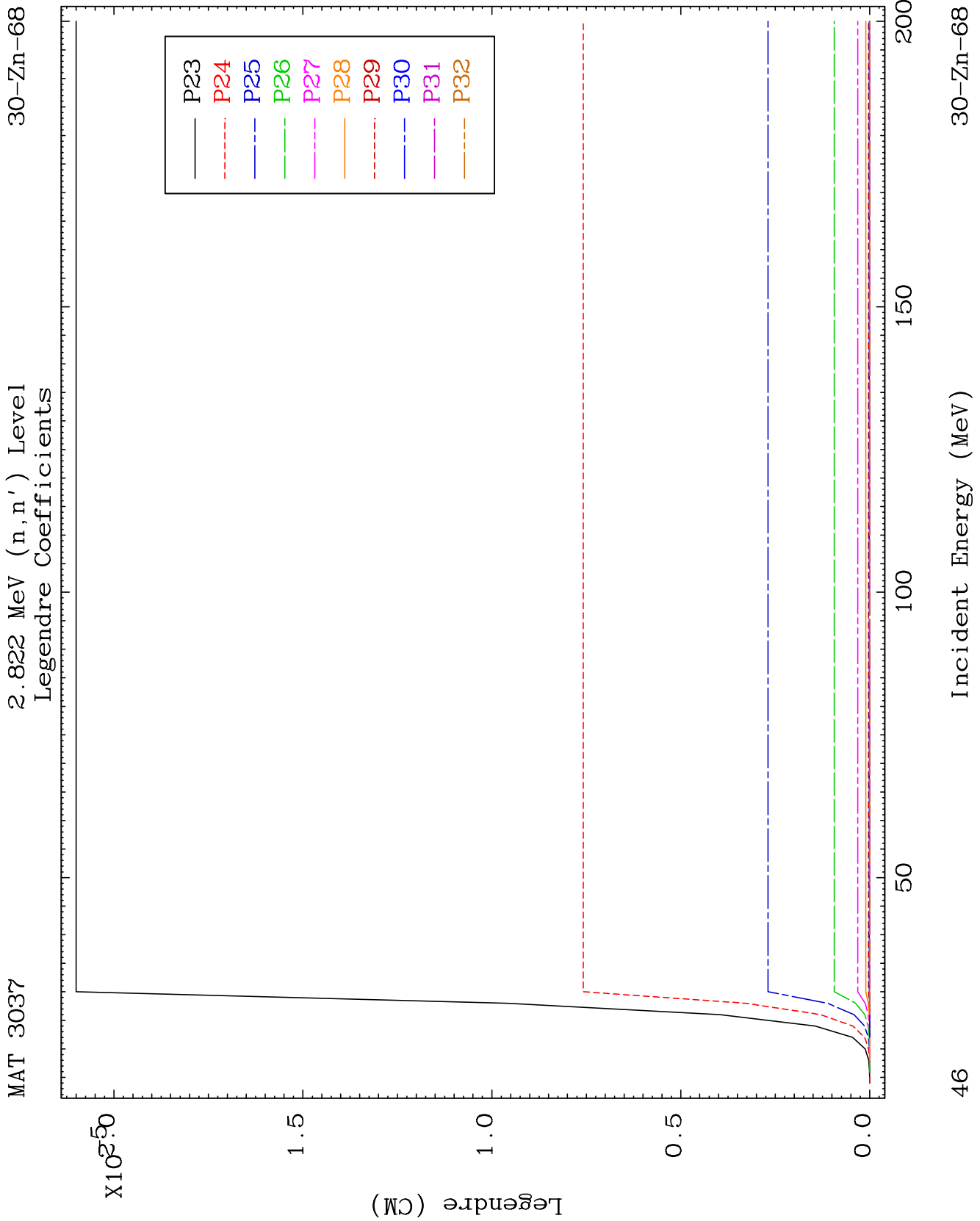
30-Zn-68



45

Incident Energy (MeV)

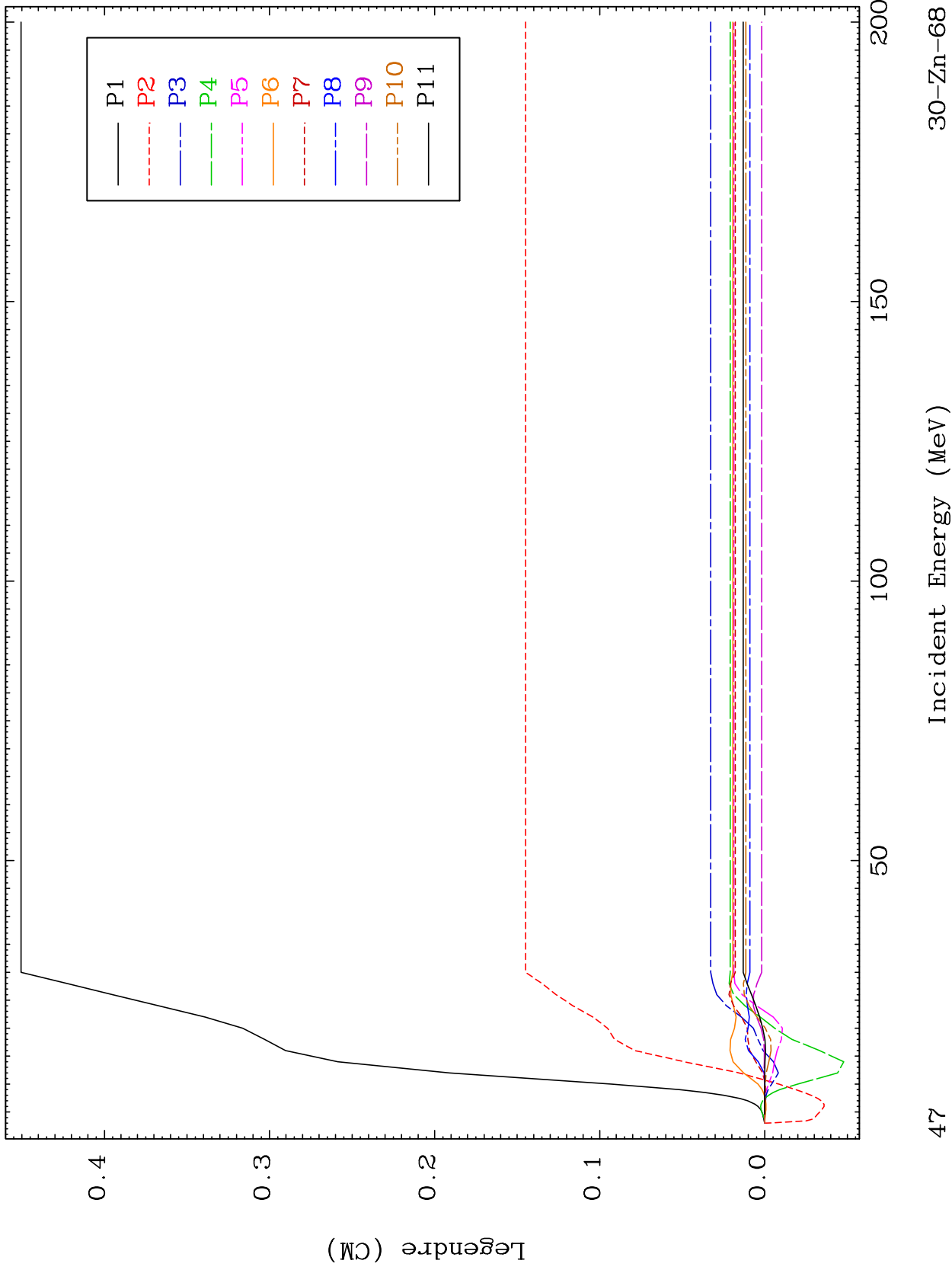
30-Zn-68



MAT 3037

2.956 MeV (n,n') Level
Legendre Coefficients

30-Zn-68



47

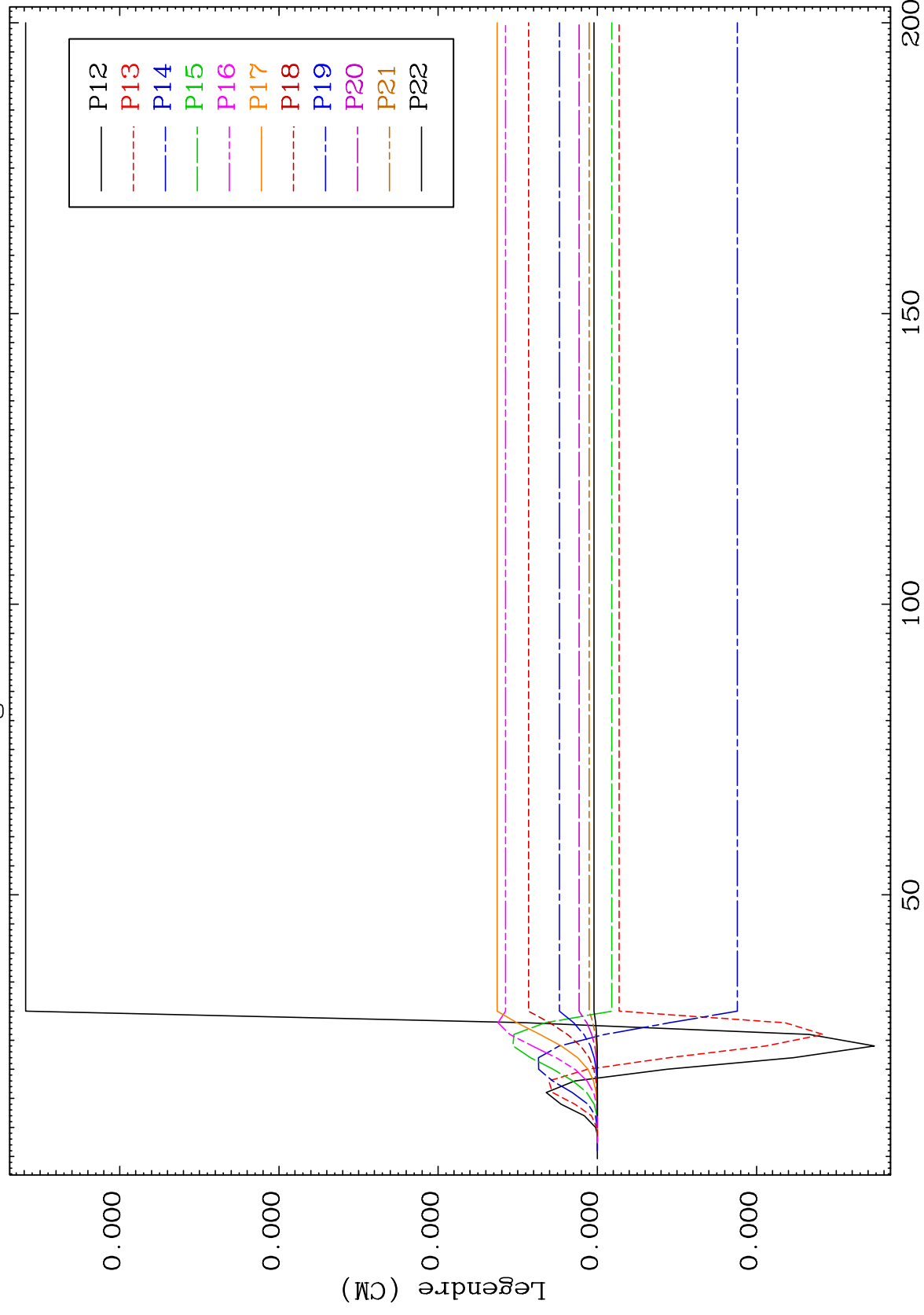
Incident Energy (MeV)

30-Zn-68

MAT 3037

2.956 MeV (n,n') Level
Legendre Coefficients

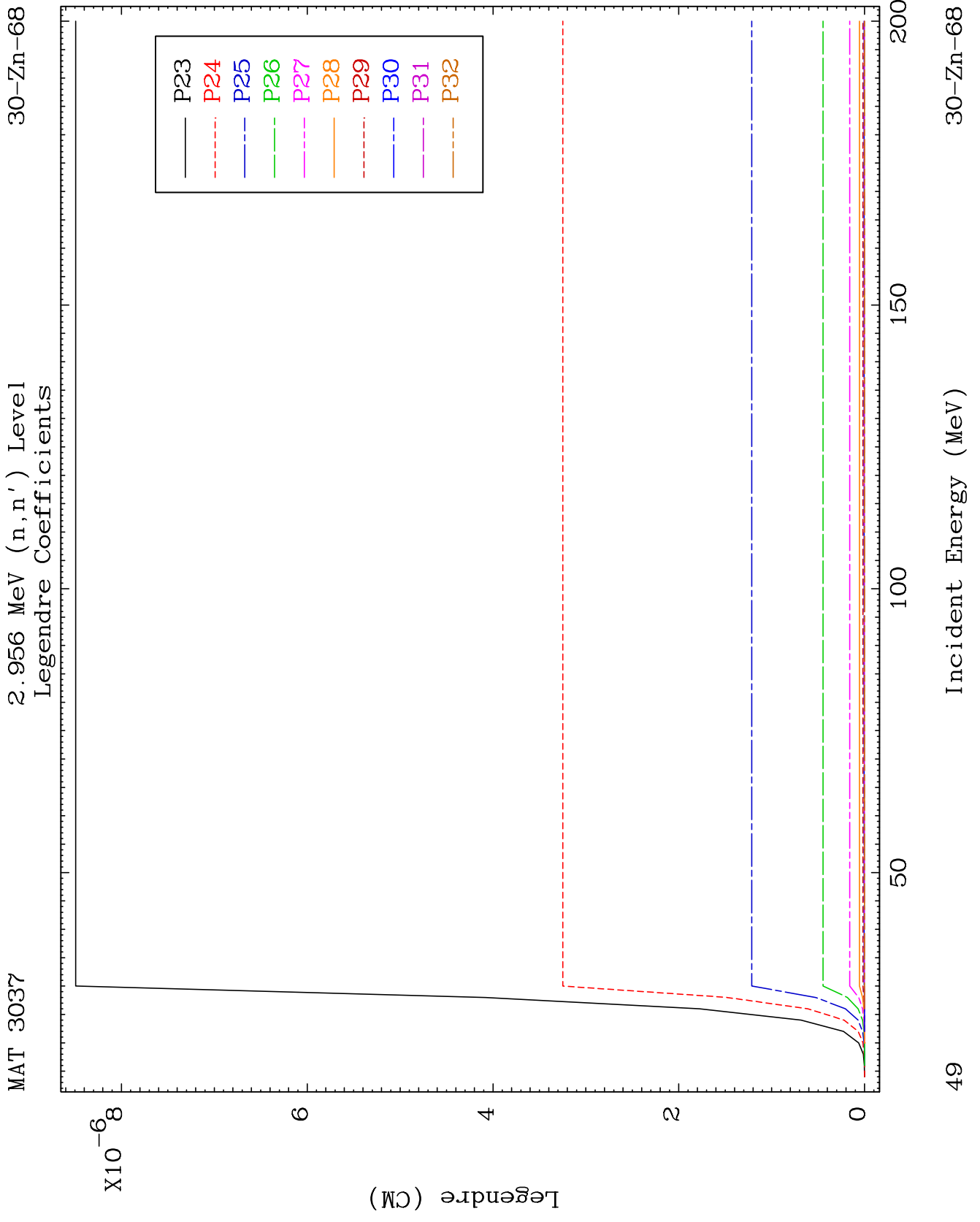
30-Zn-68



48

Incident Energy (MeV)

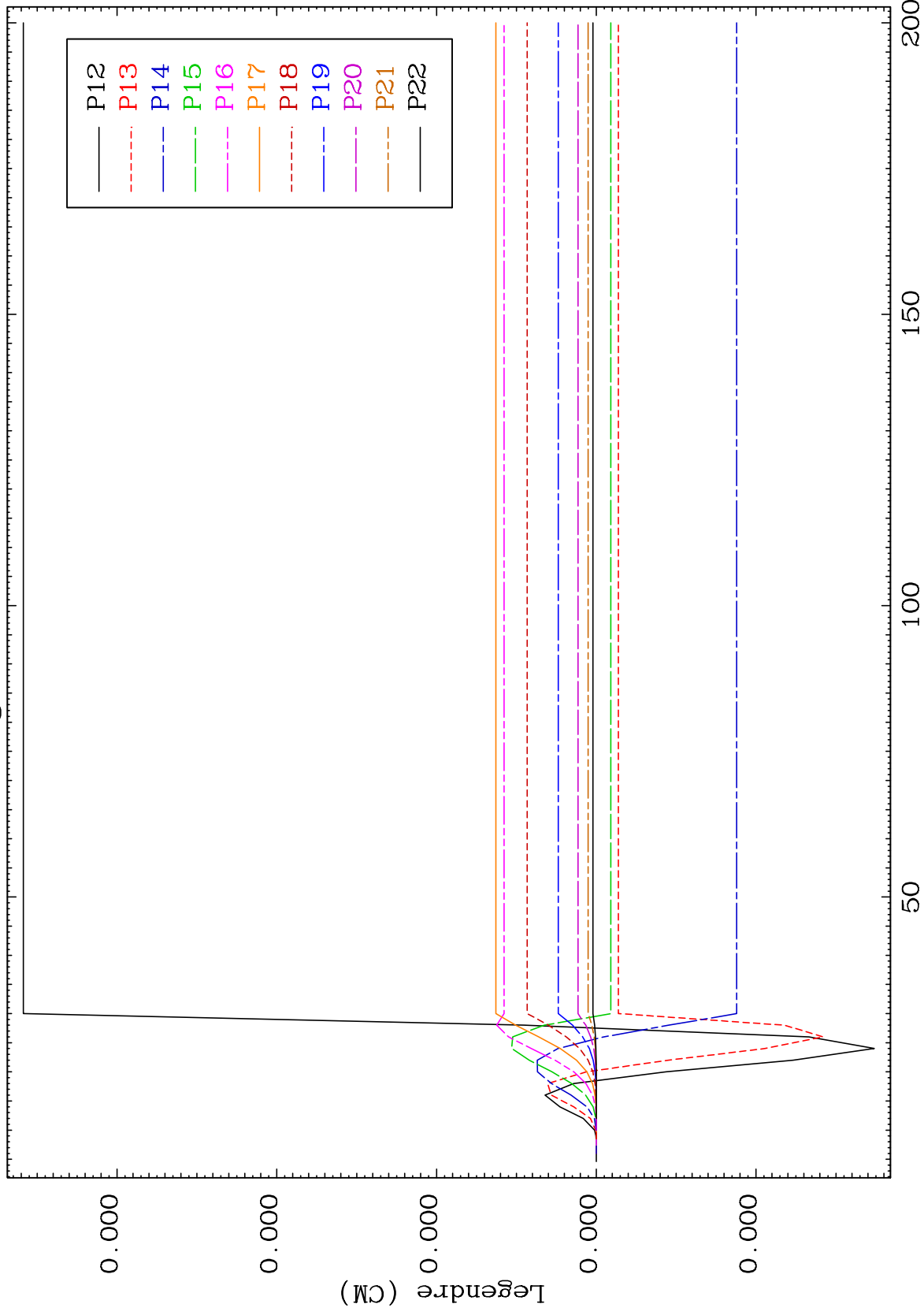
30-Zn-68

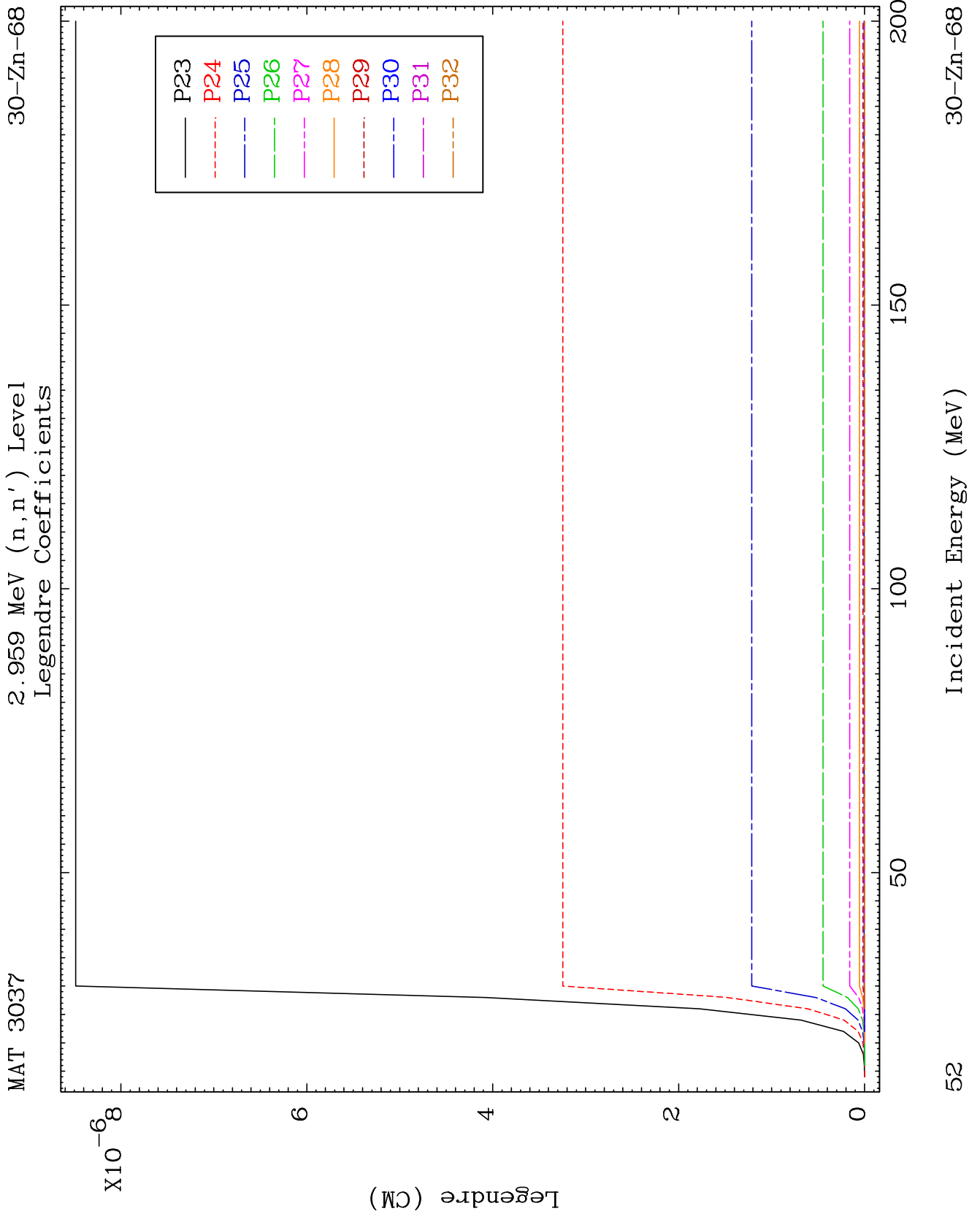


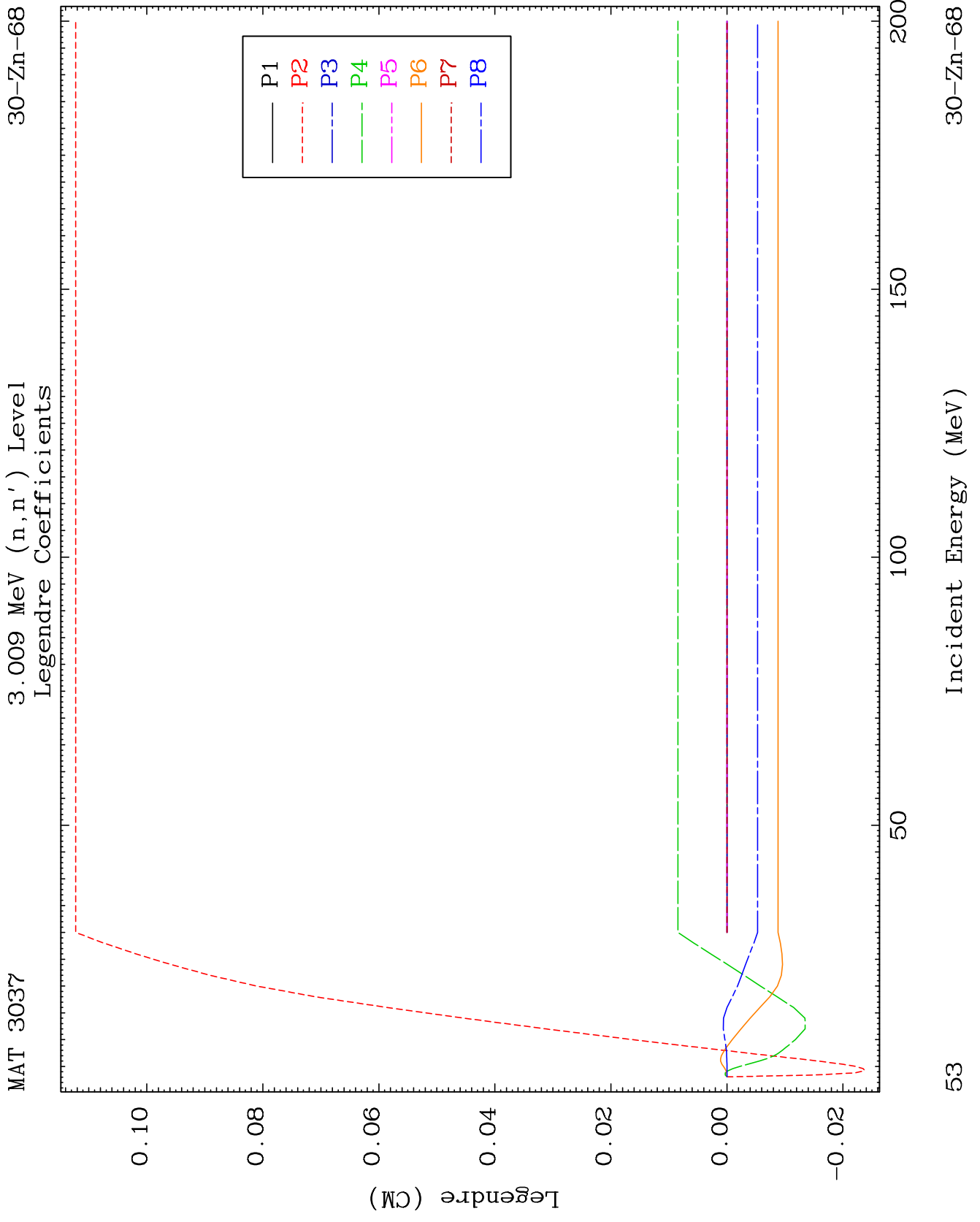
MAT 3037

2.959 MeV (n,n') Level
Legendre Coefficients

30-Zn-68



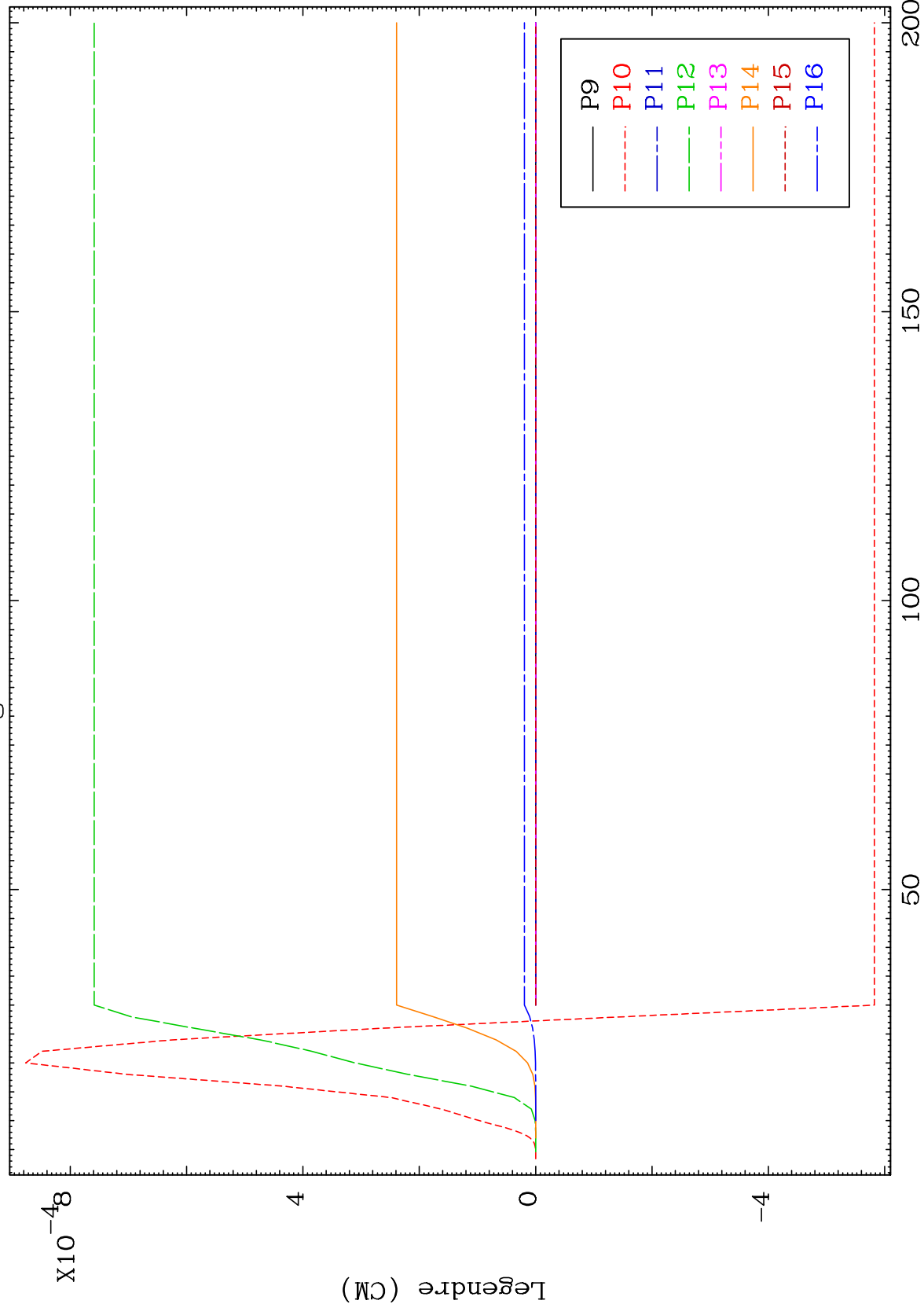




MAT 3037

3.009 MeV (n,n') Level
Legendre Coefficients

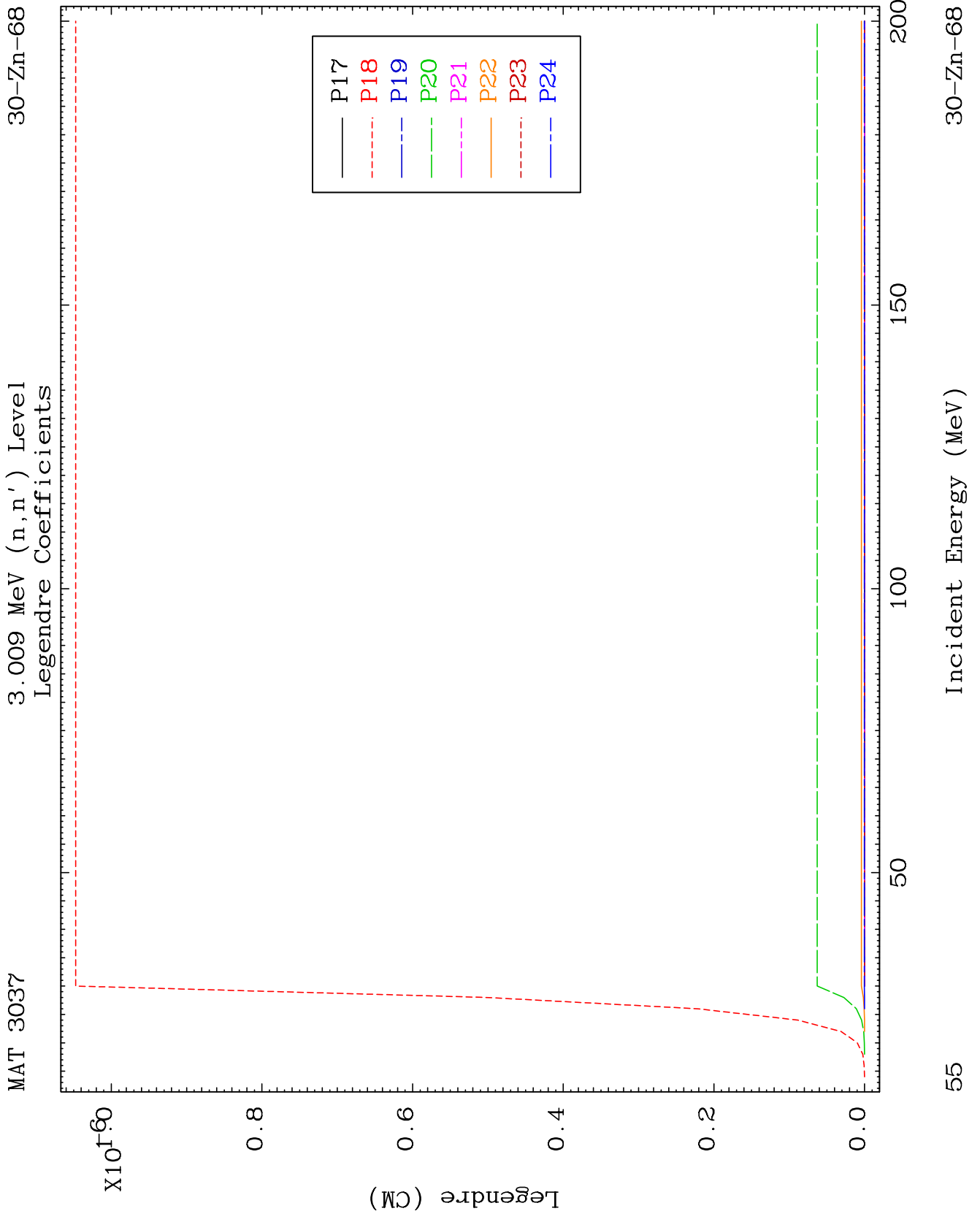
30-Zn-68

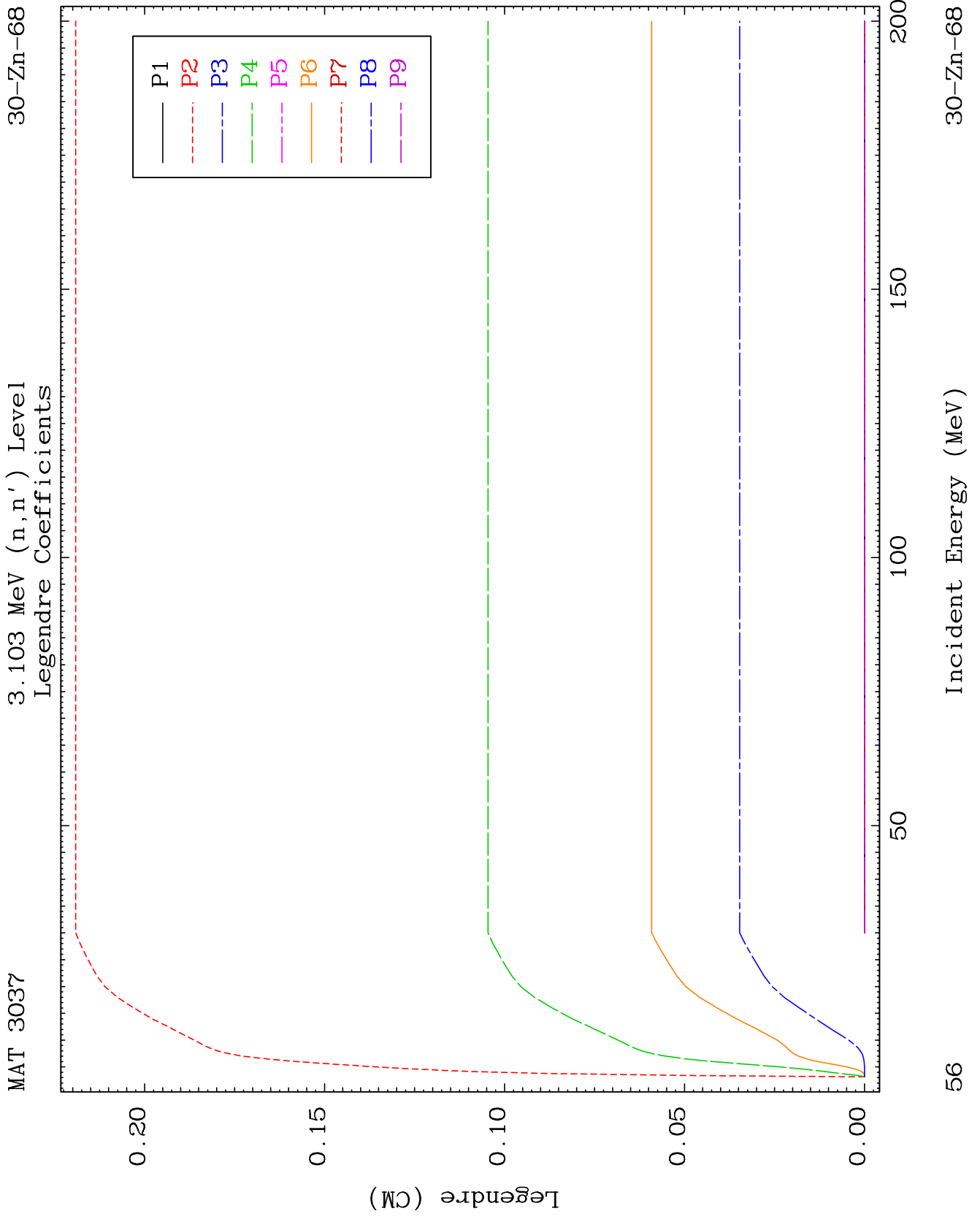


54

Incident Energy (MeV)

30-Zn-68

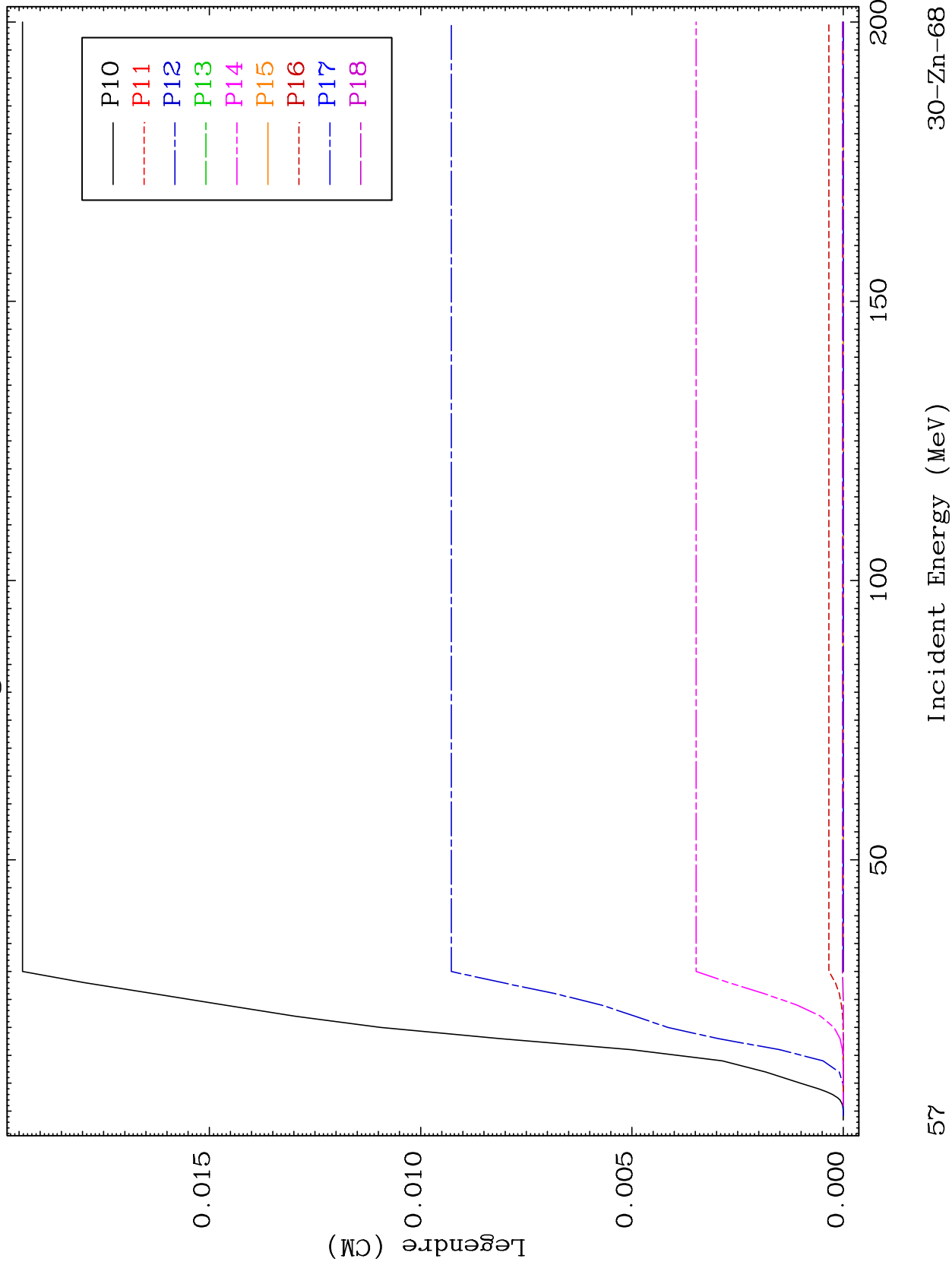




MAT 3037

3.103 MeV (n,n') Level
Legendre Coefficients

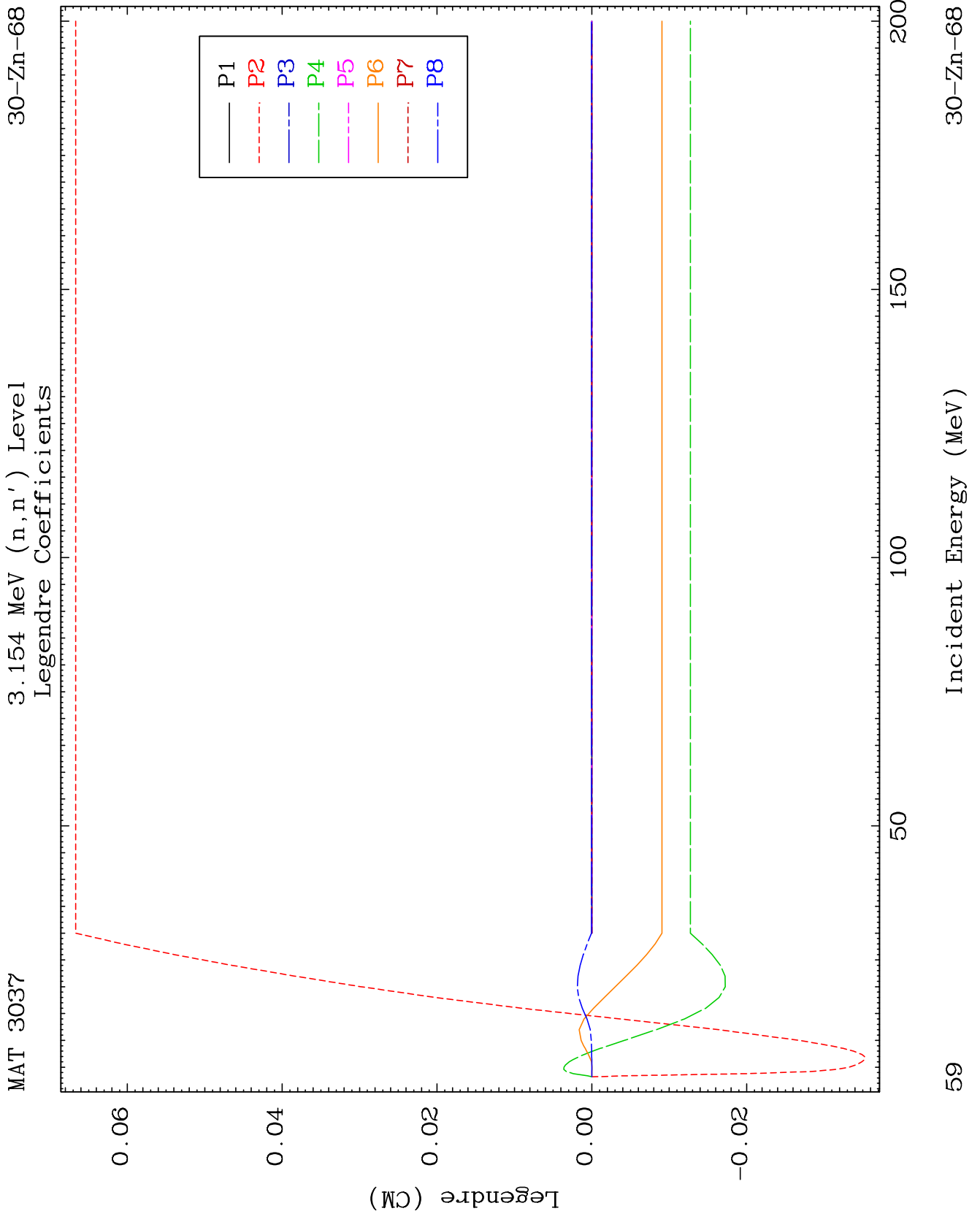
30-Zn-68

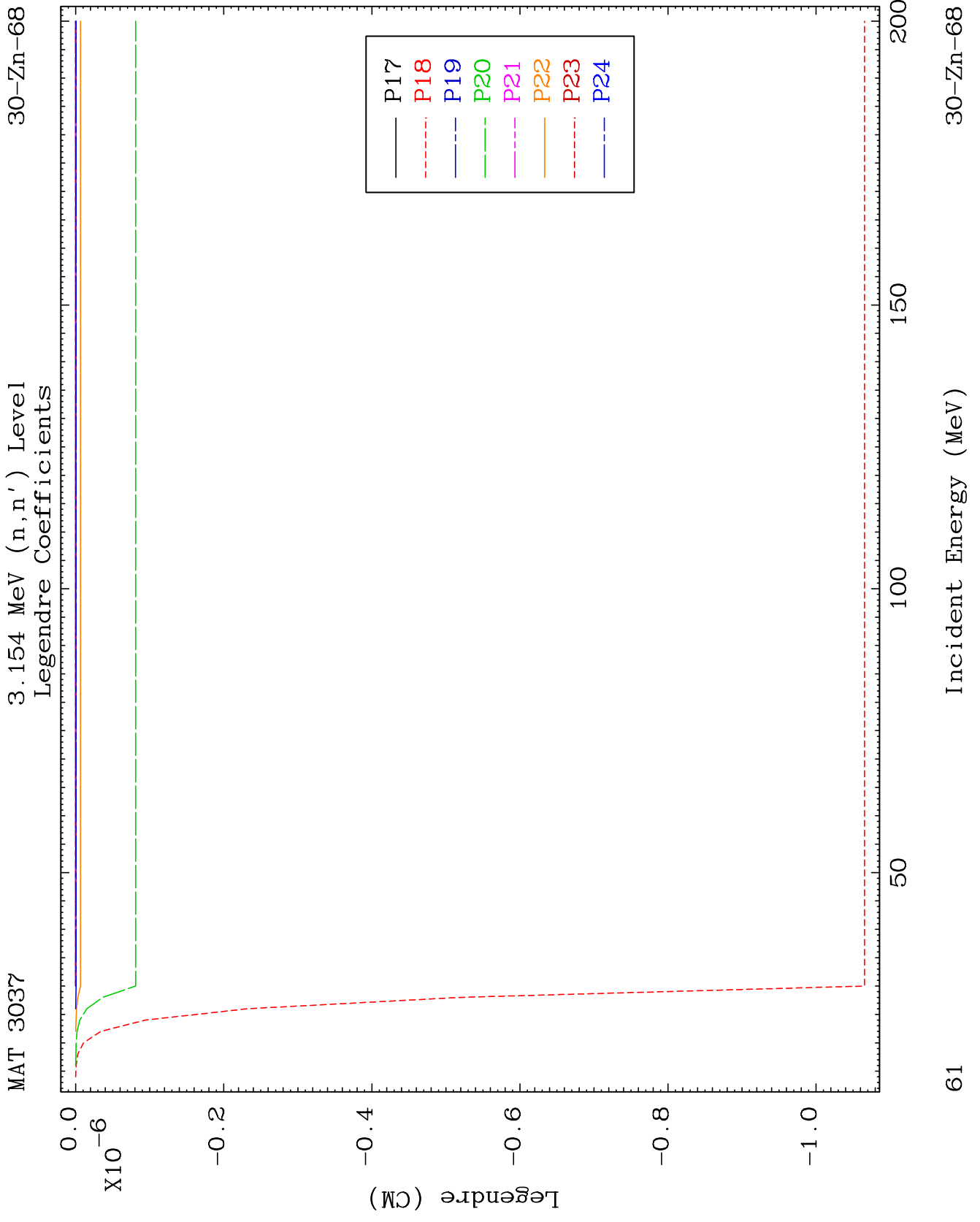


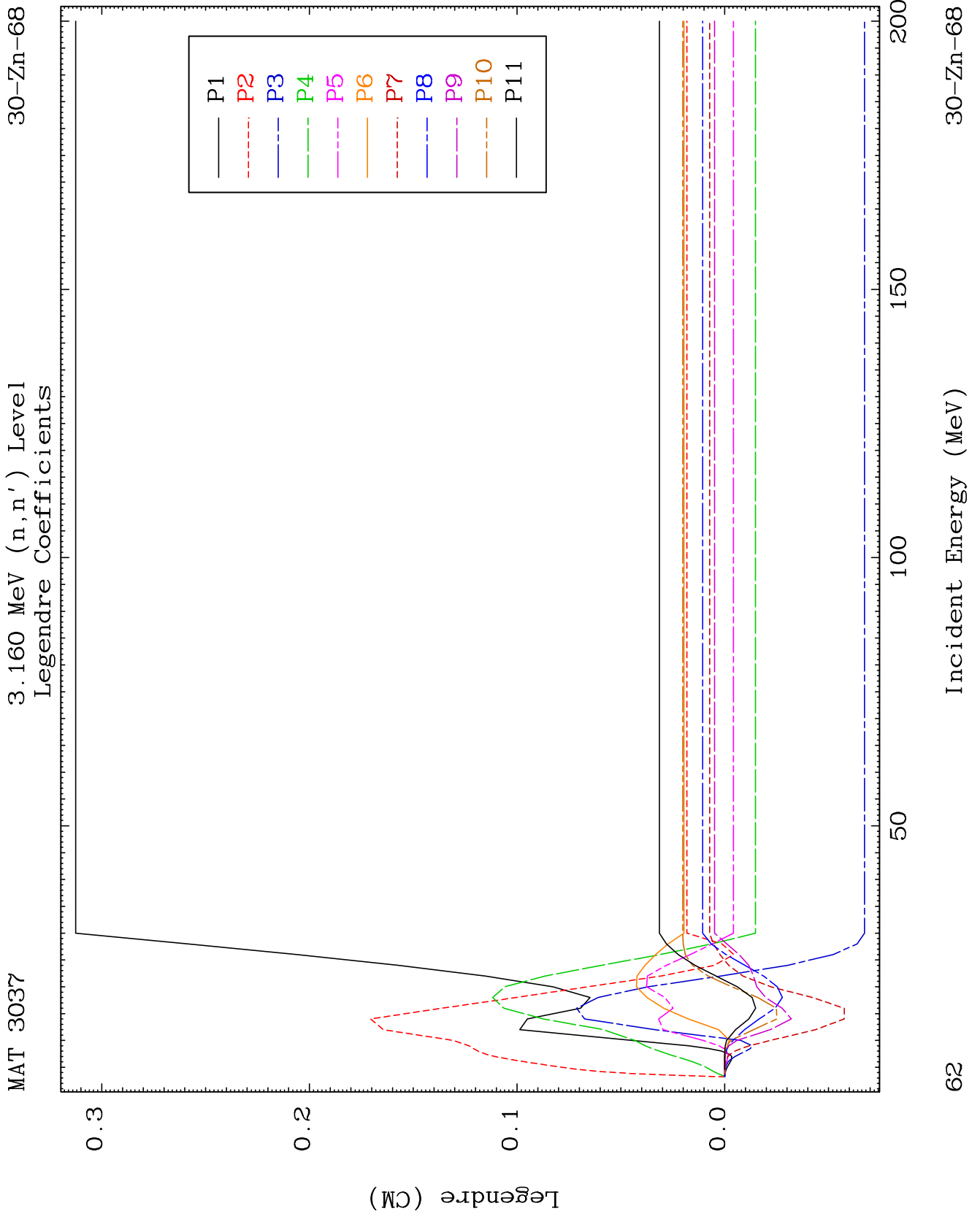
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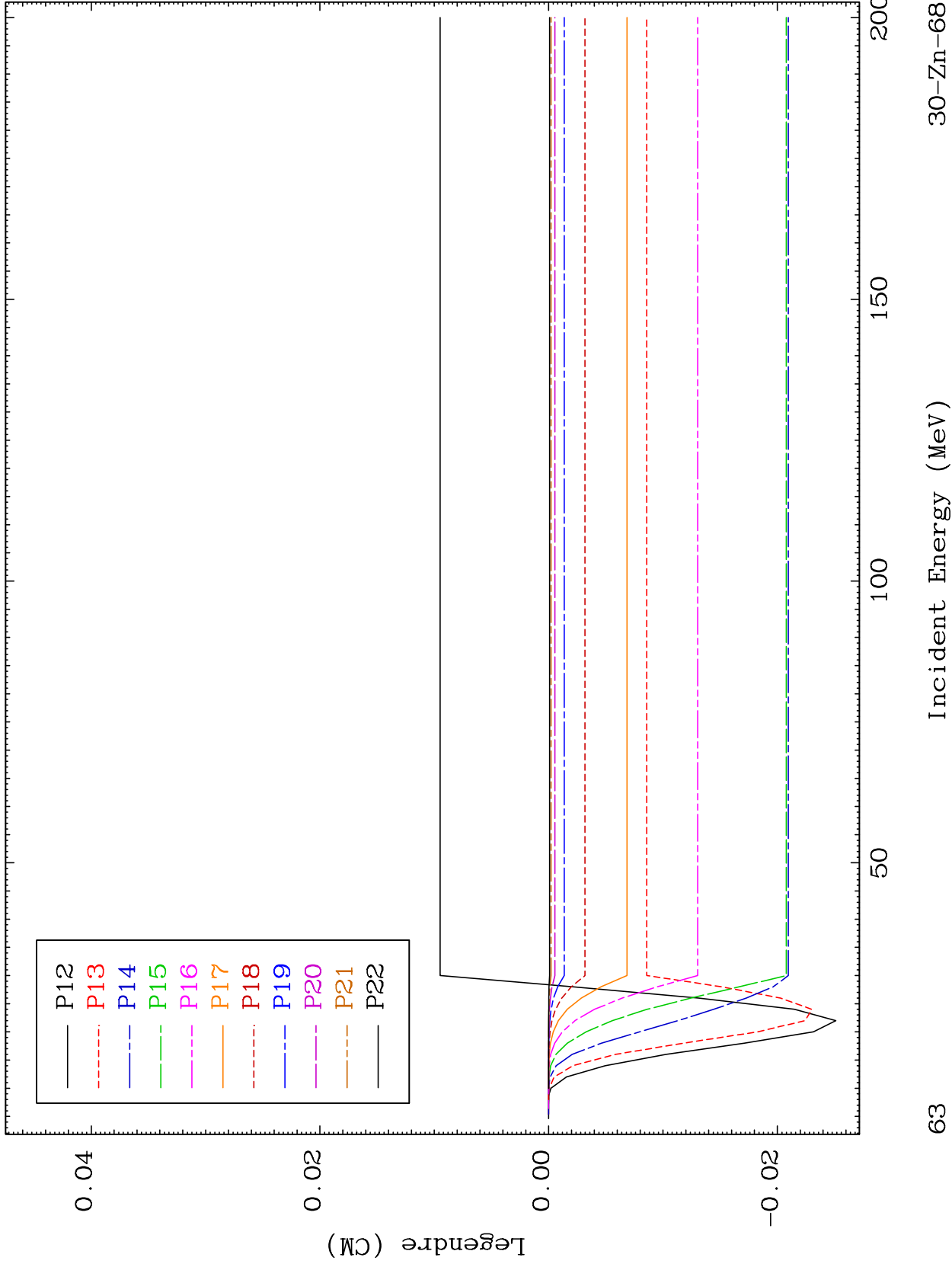
Incident Energy (MeV)

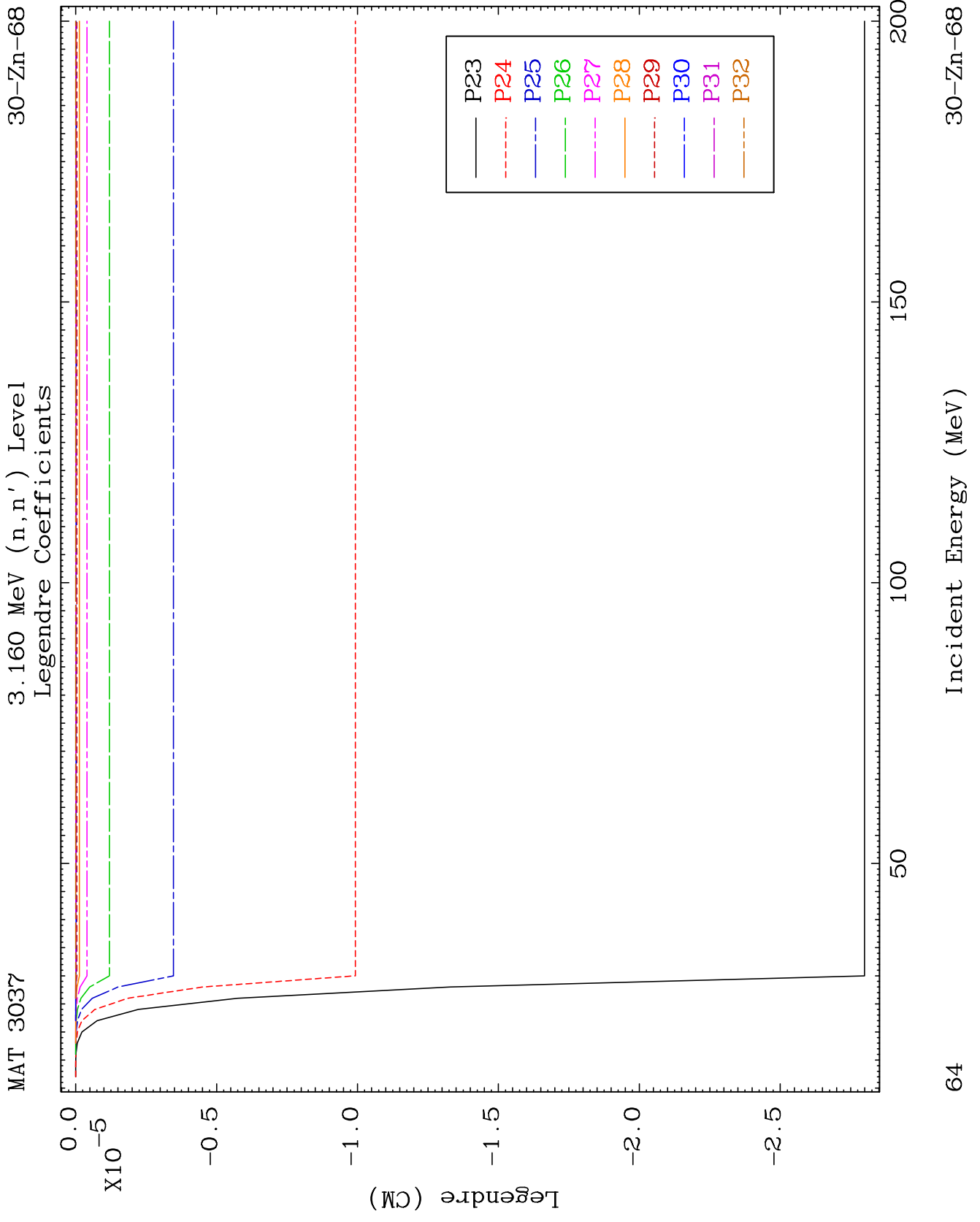
30-Zn-68







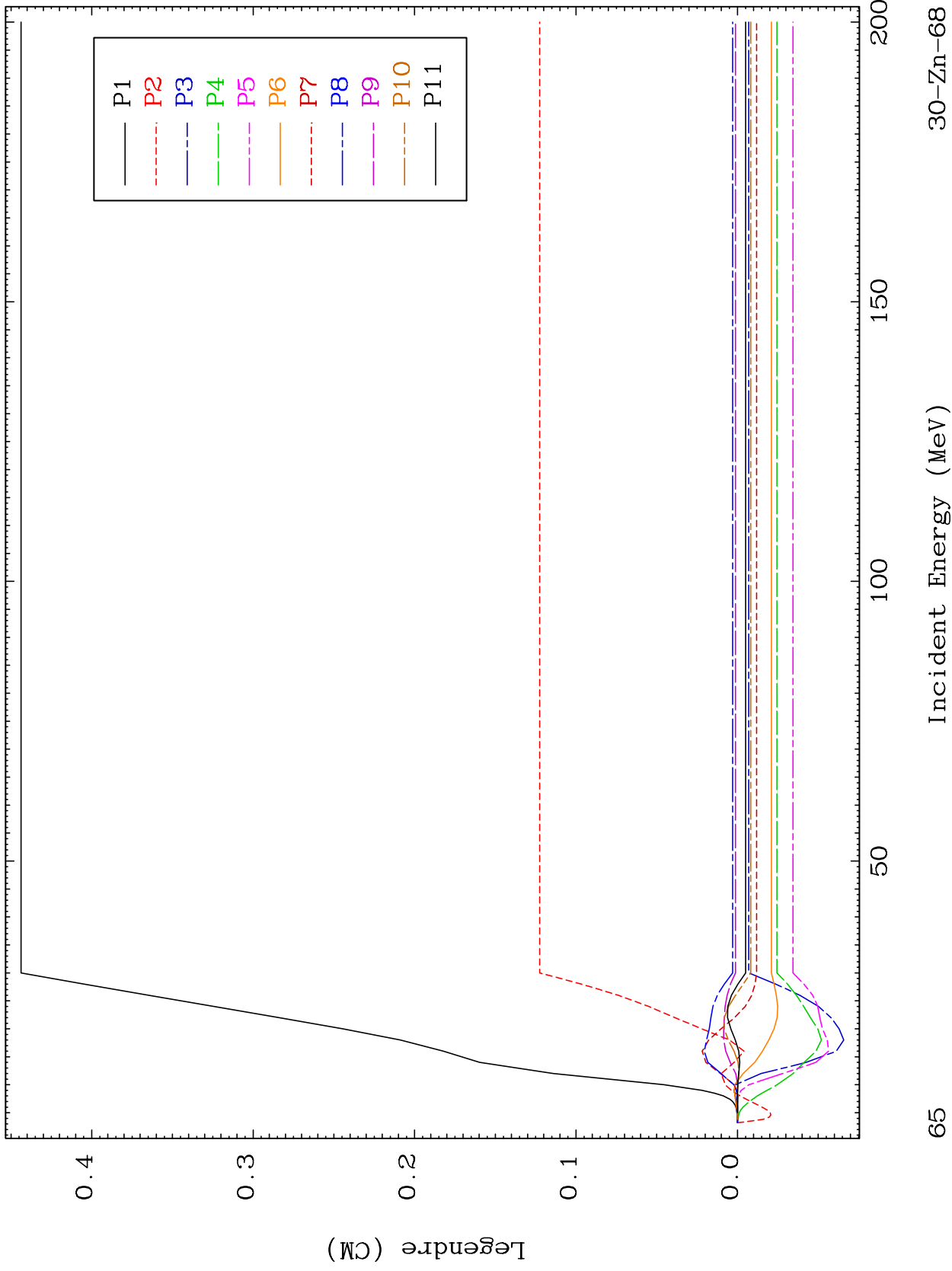




MAT 3037

3.164 MeV (n,n') Level
Legendre Coefficients

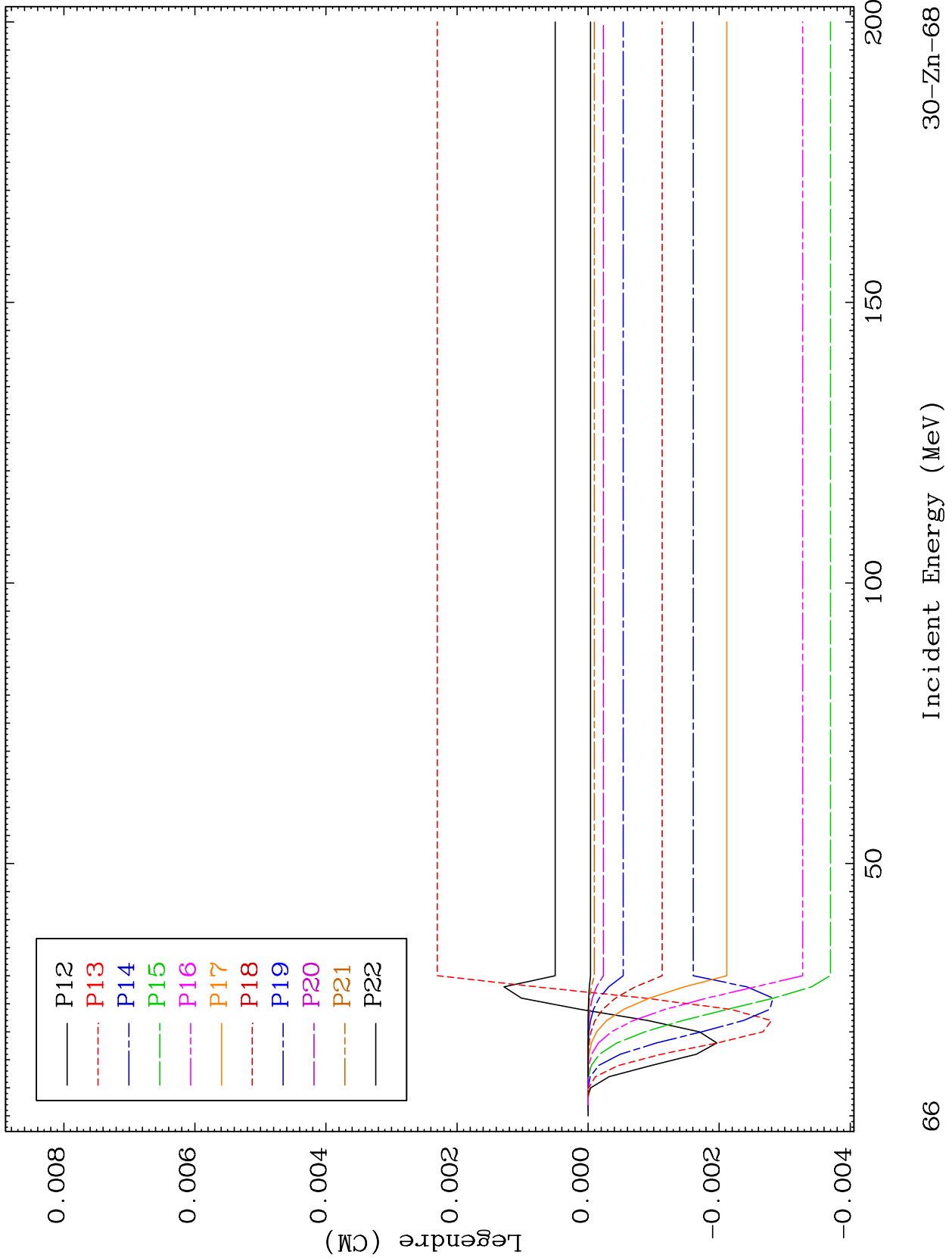
30-Zn-68

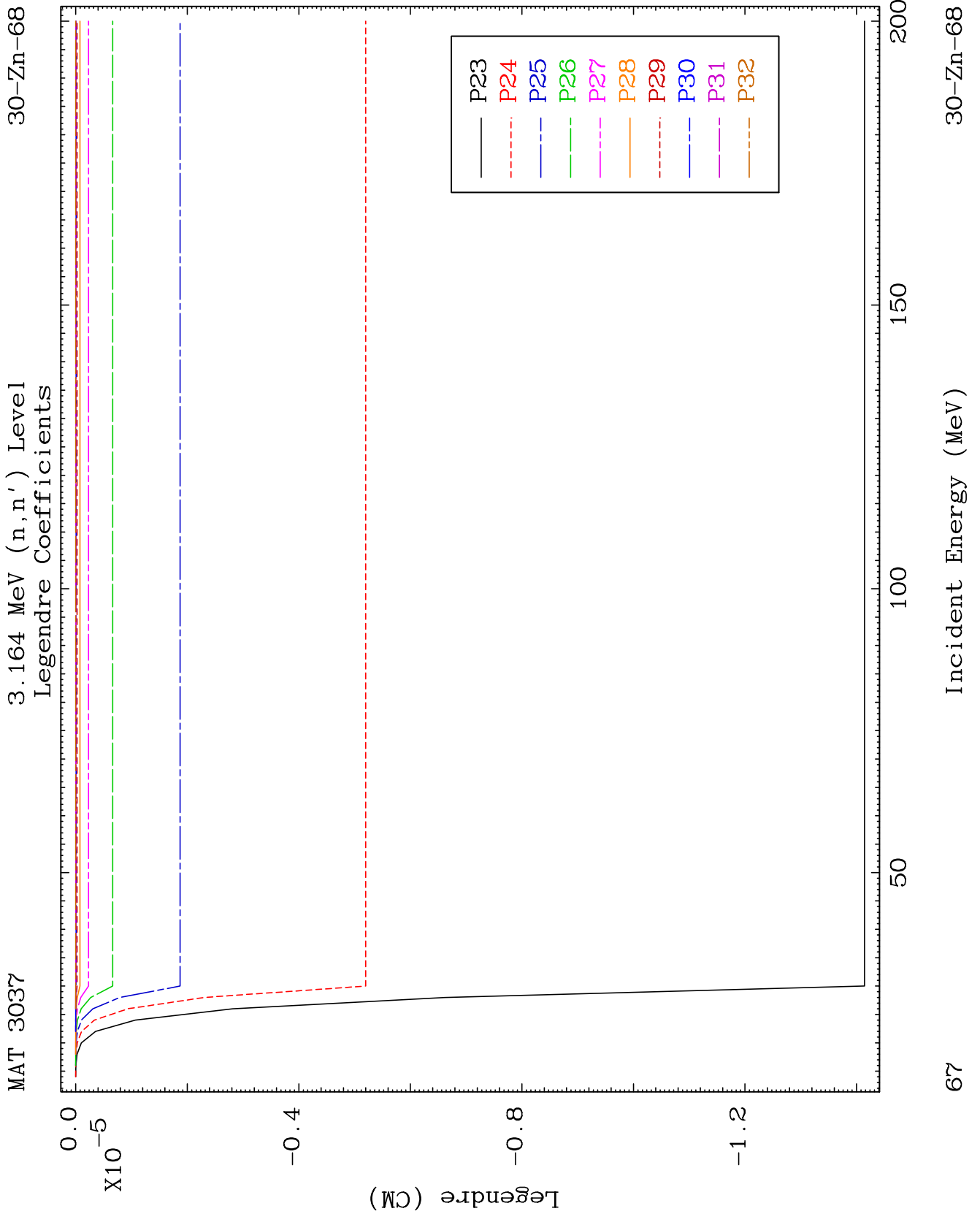


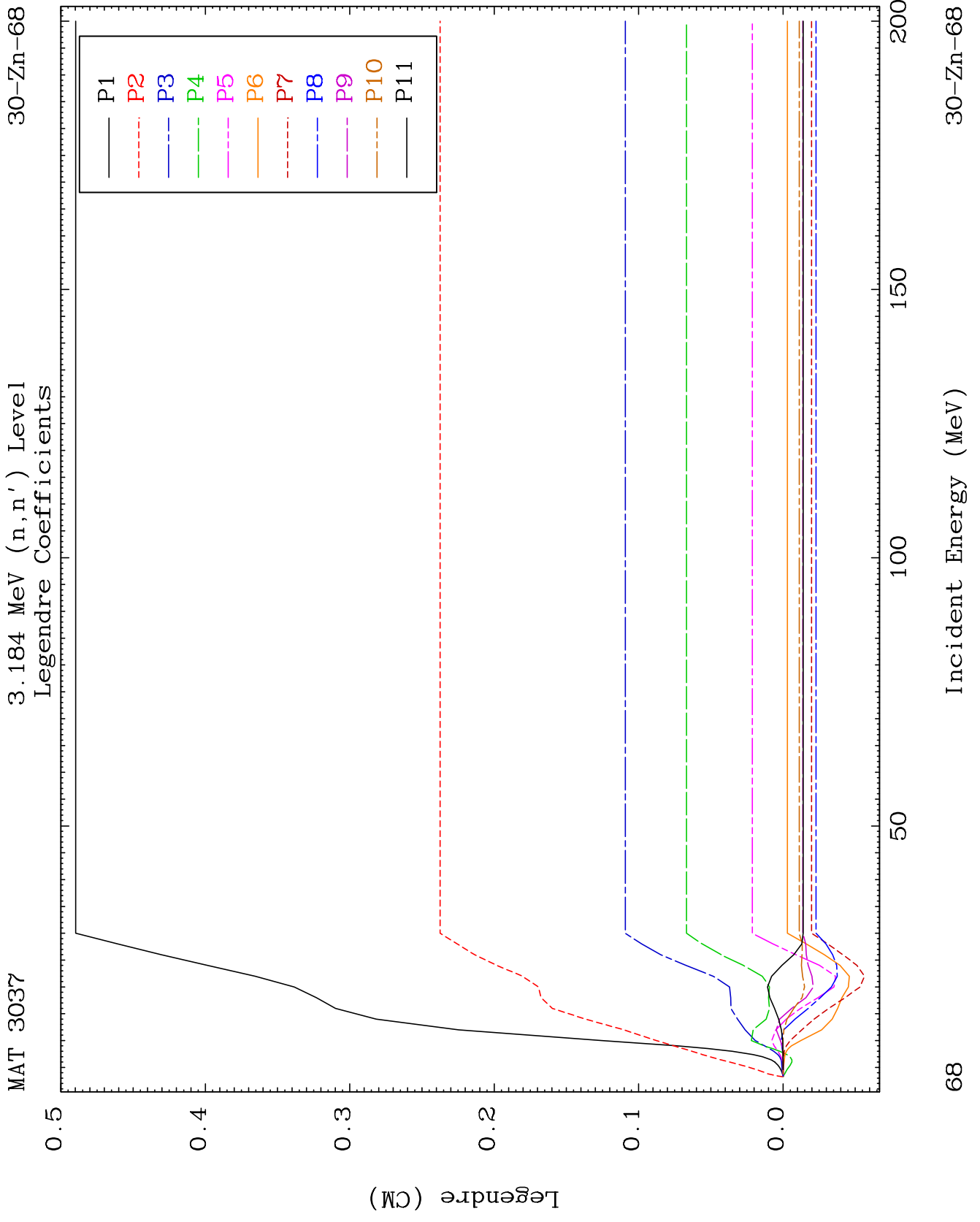
65

Incident Energy (MeV)

30-Zn-68



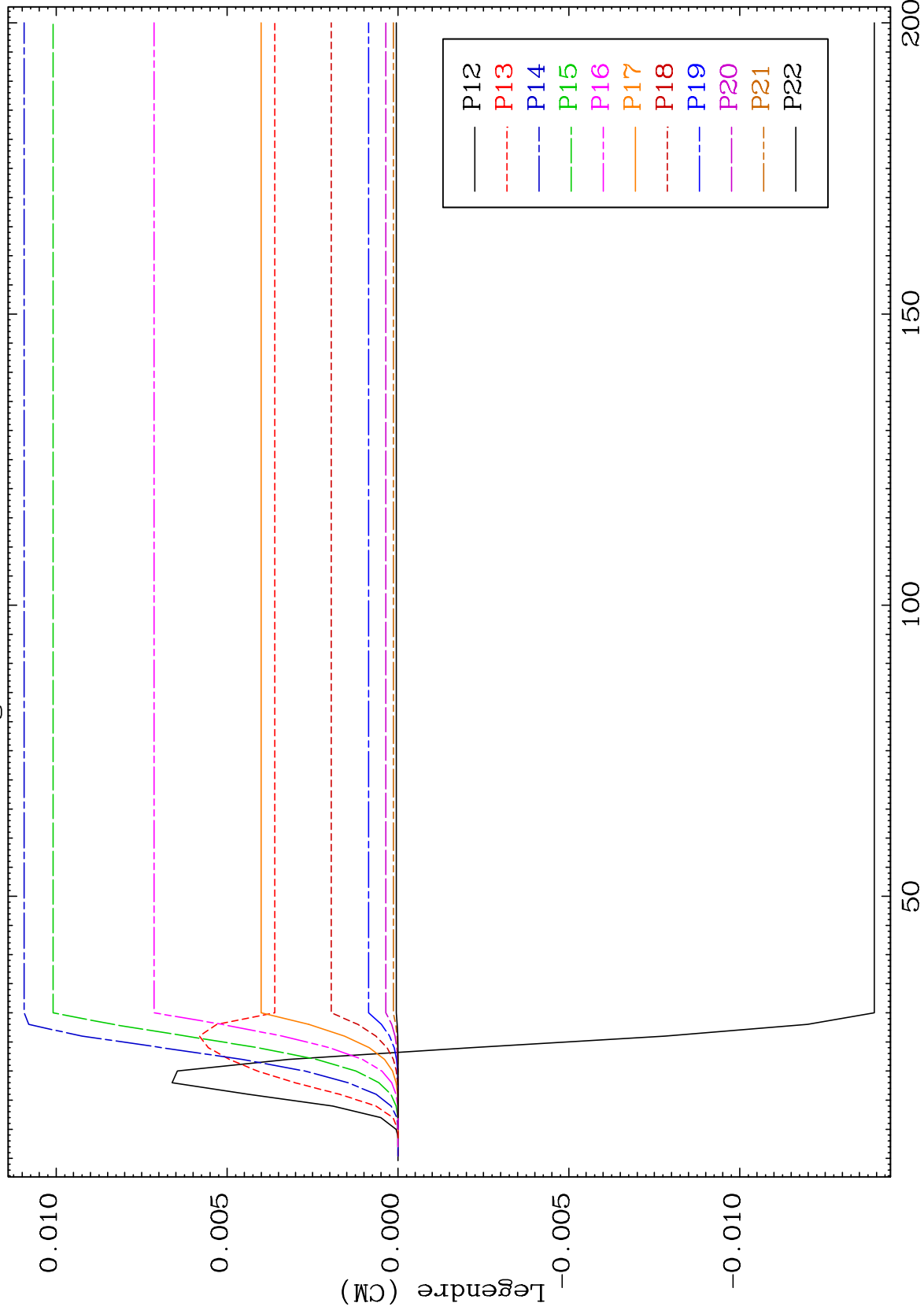




MAT 3037

3.184 MeV (n,n') Level
Legendre Coefficients

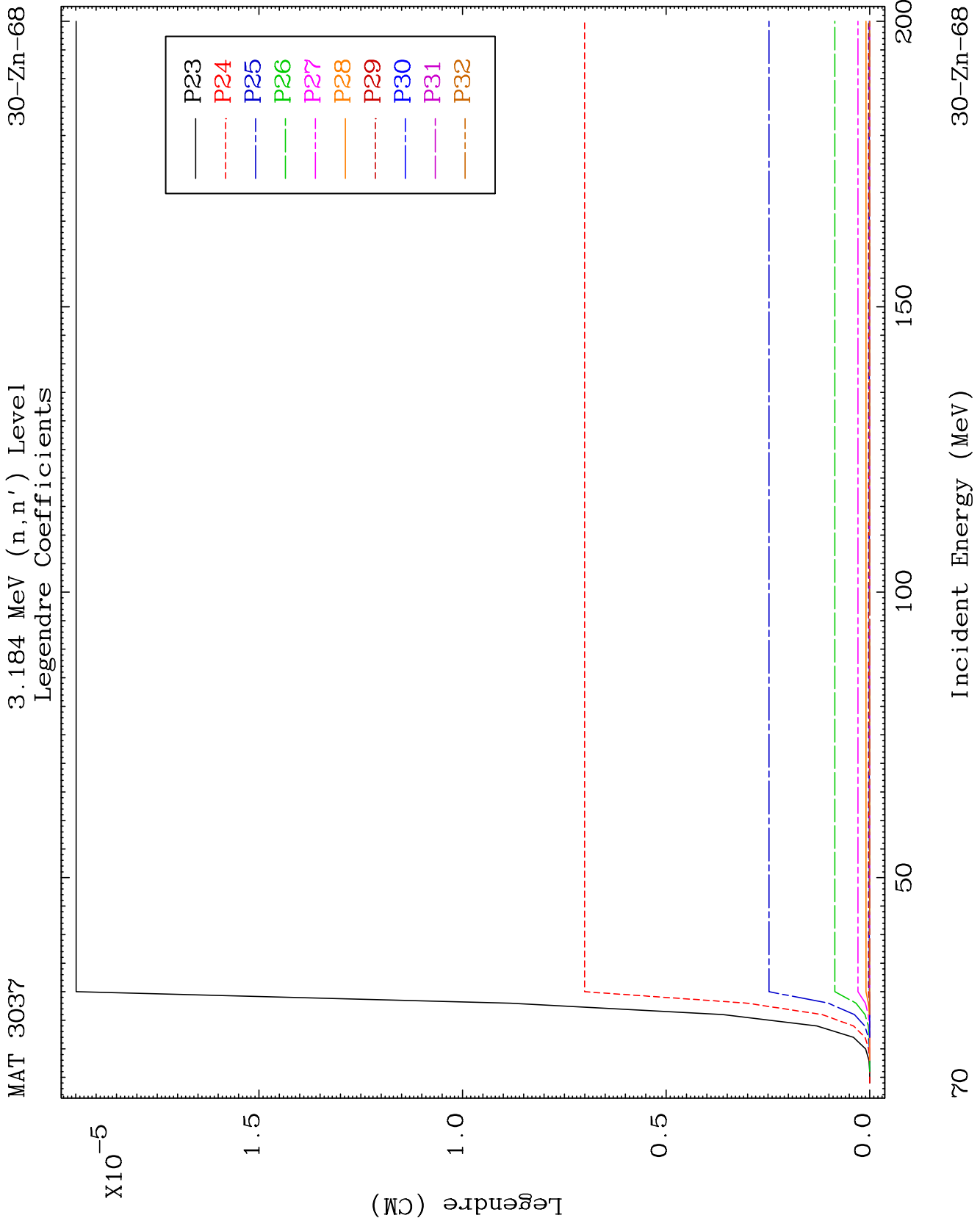
30-Zn-68

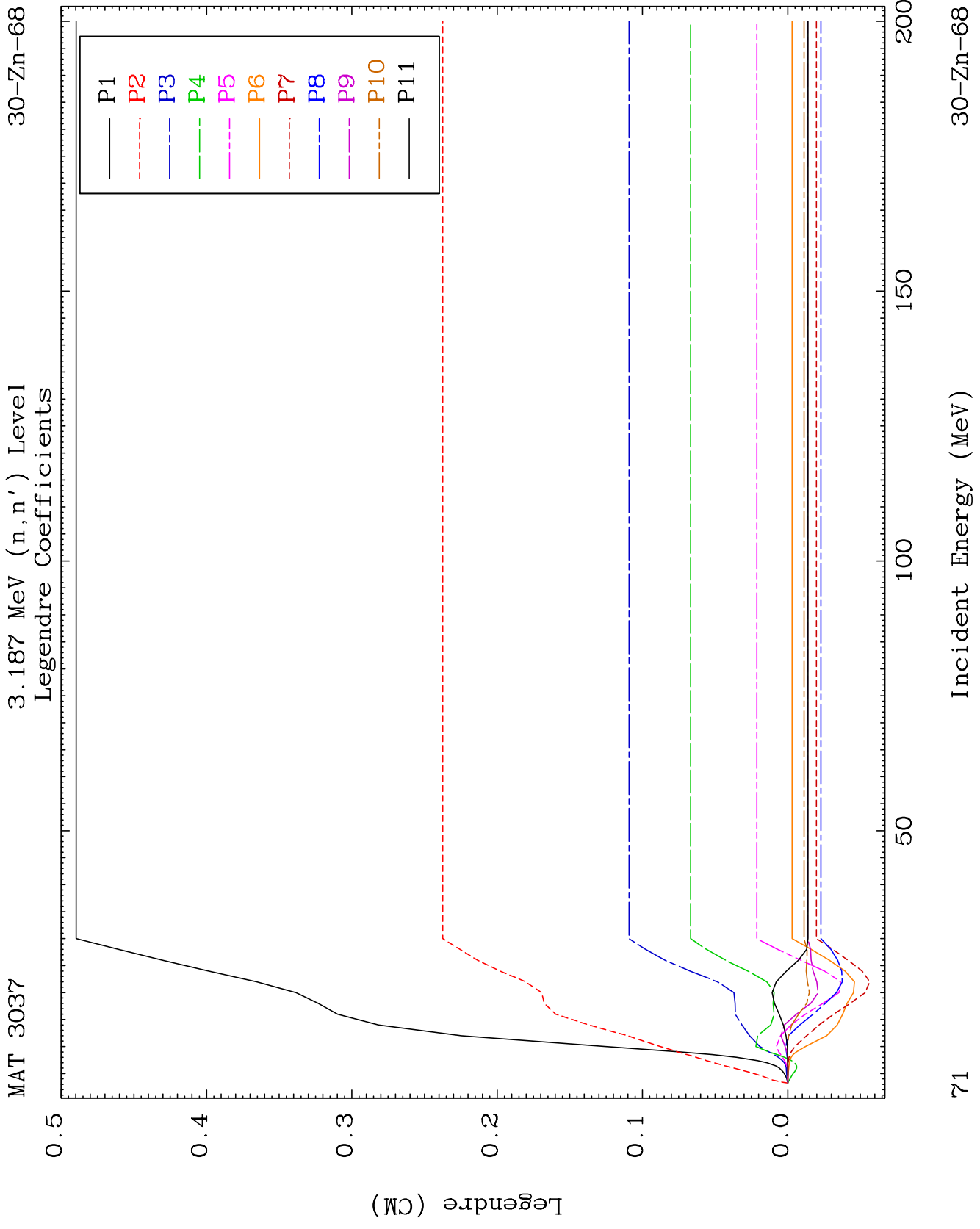


69

Incident Energy (MeV)

30-Zn-68

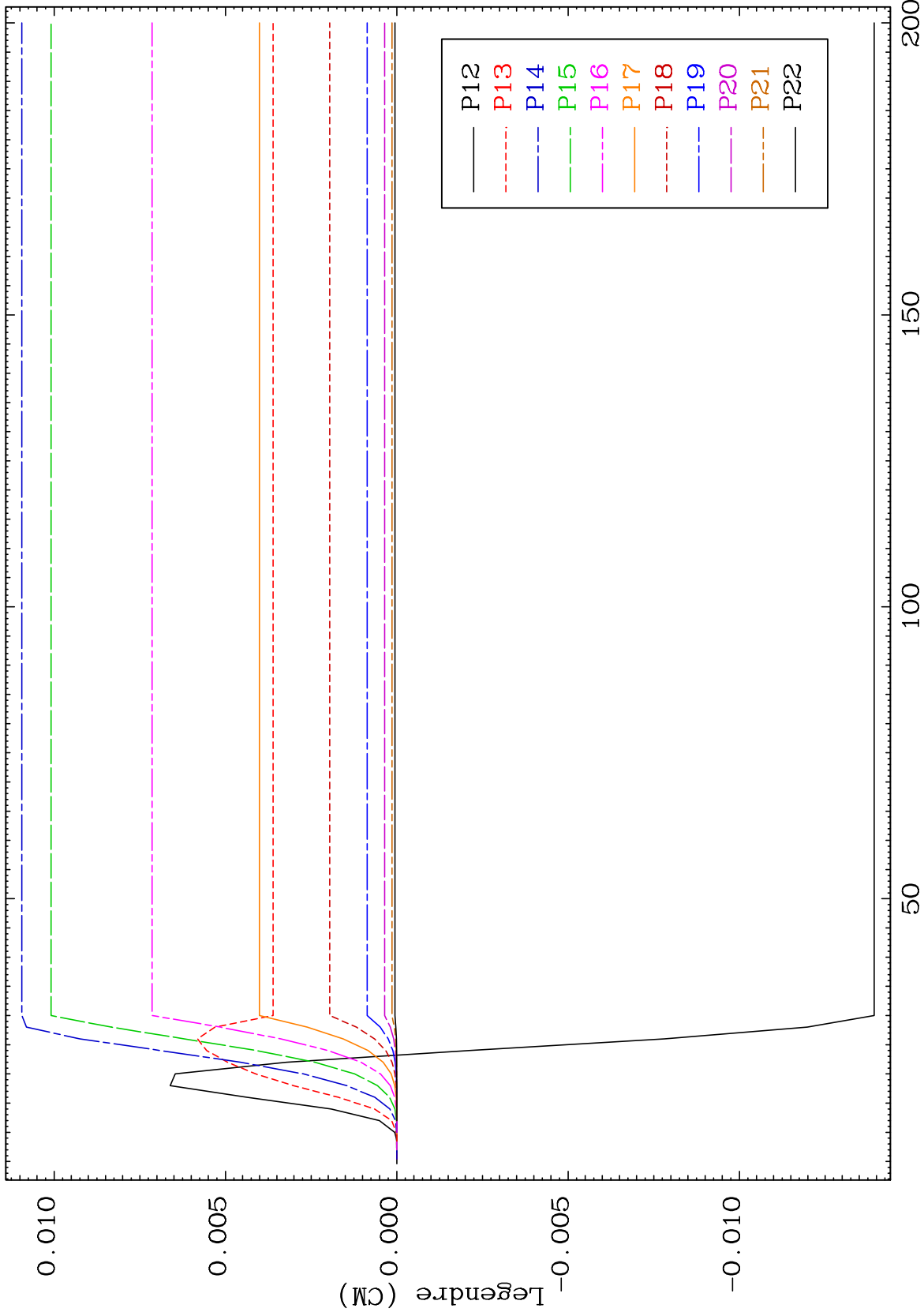




MAT 3037

3.187 MeV (n,n') Level
Legendre Coefficients

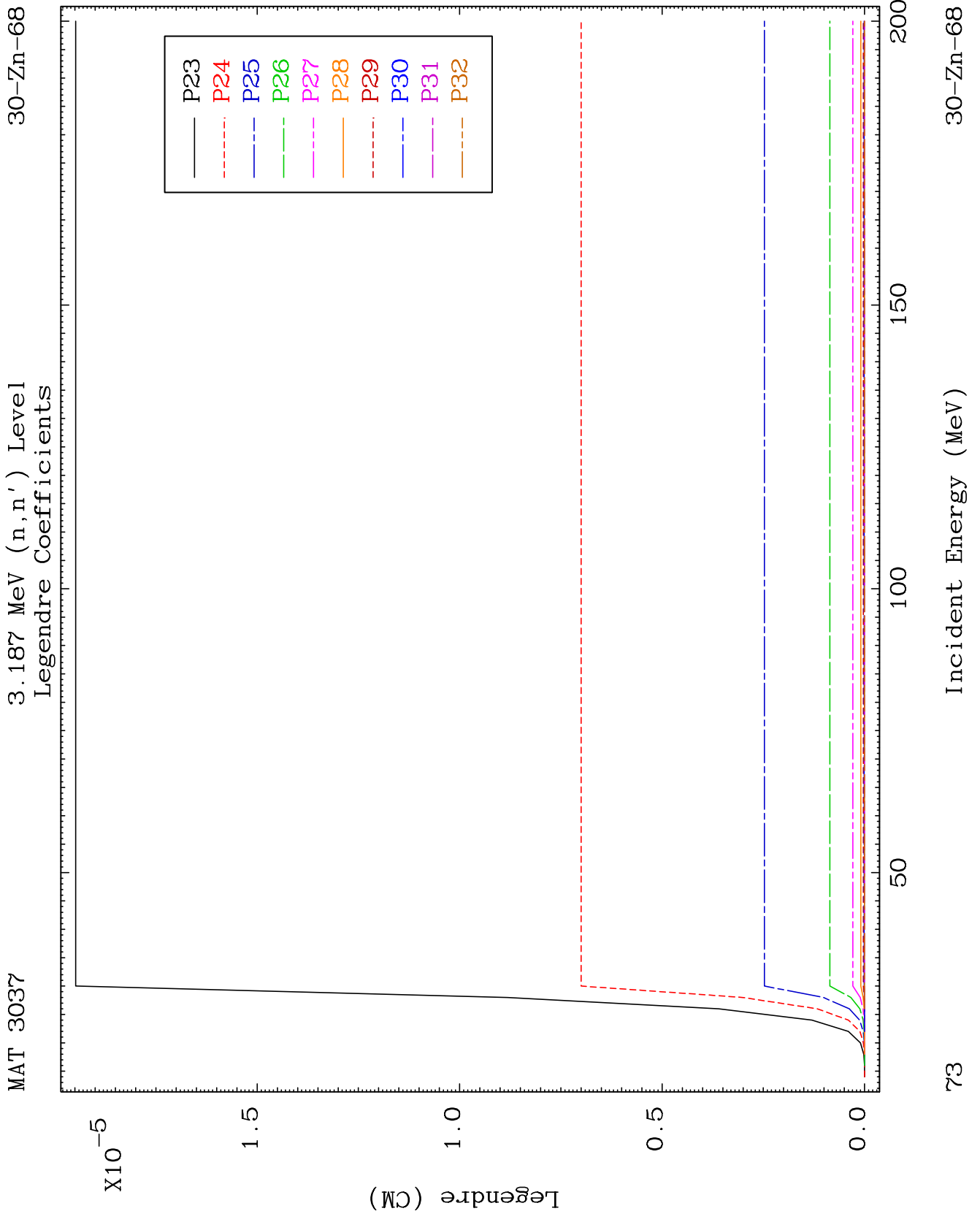
30-Zn-68



72

Incident Energy (MeV)

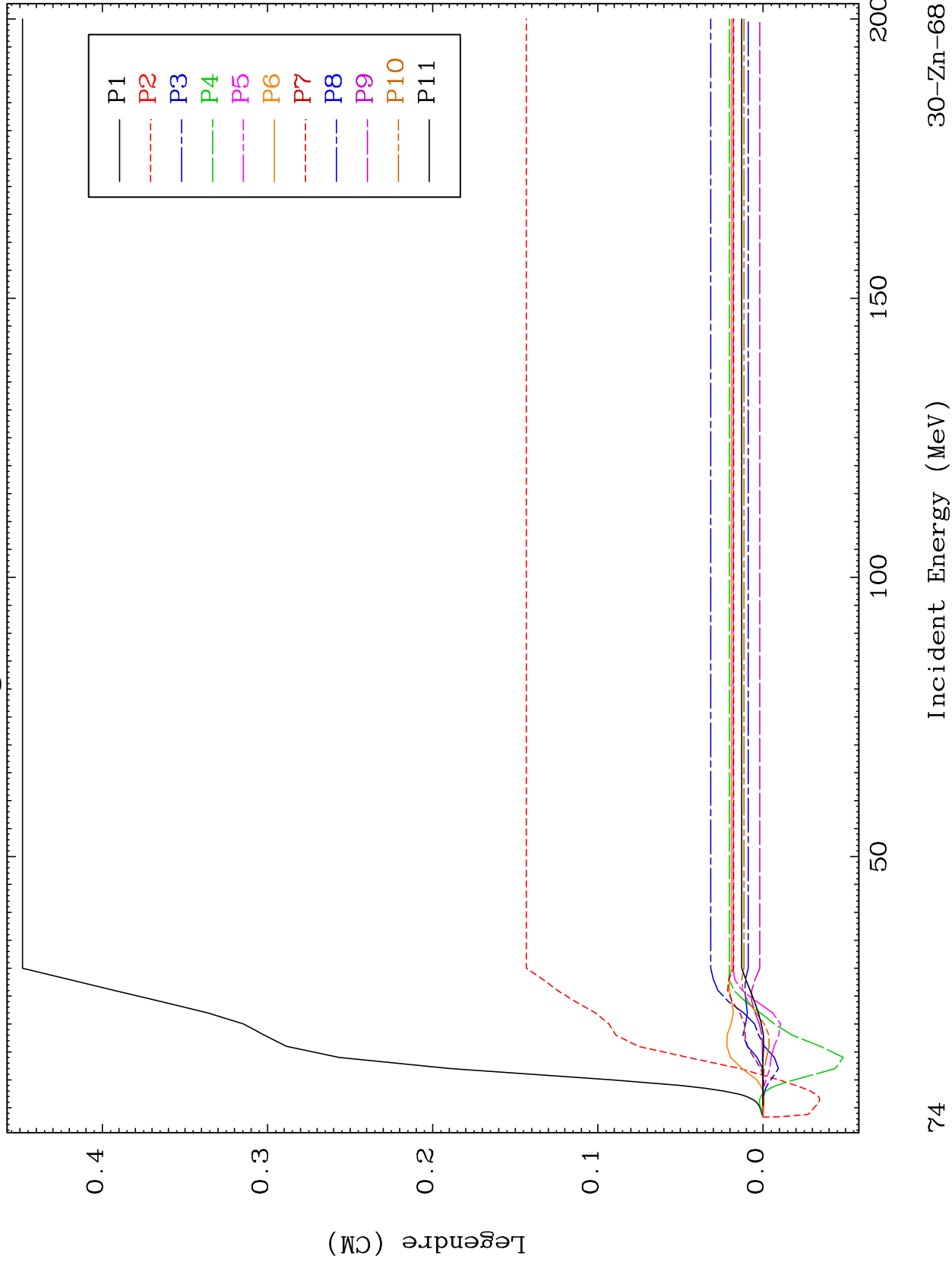
30-Zn-68



MAT 3037

3.282 MeV (n,n') Level
Legendre Coefficients

30-Zn-68



74

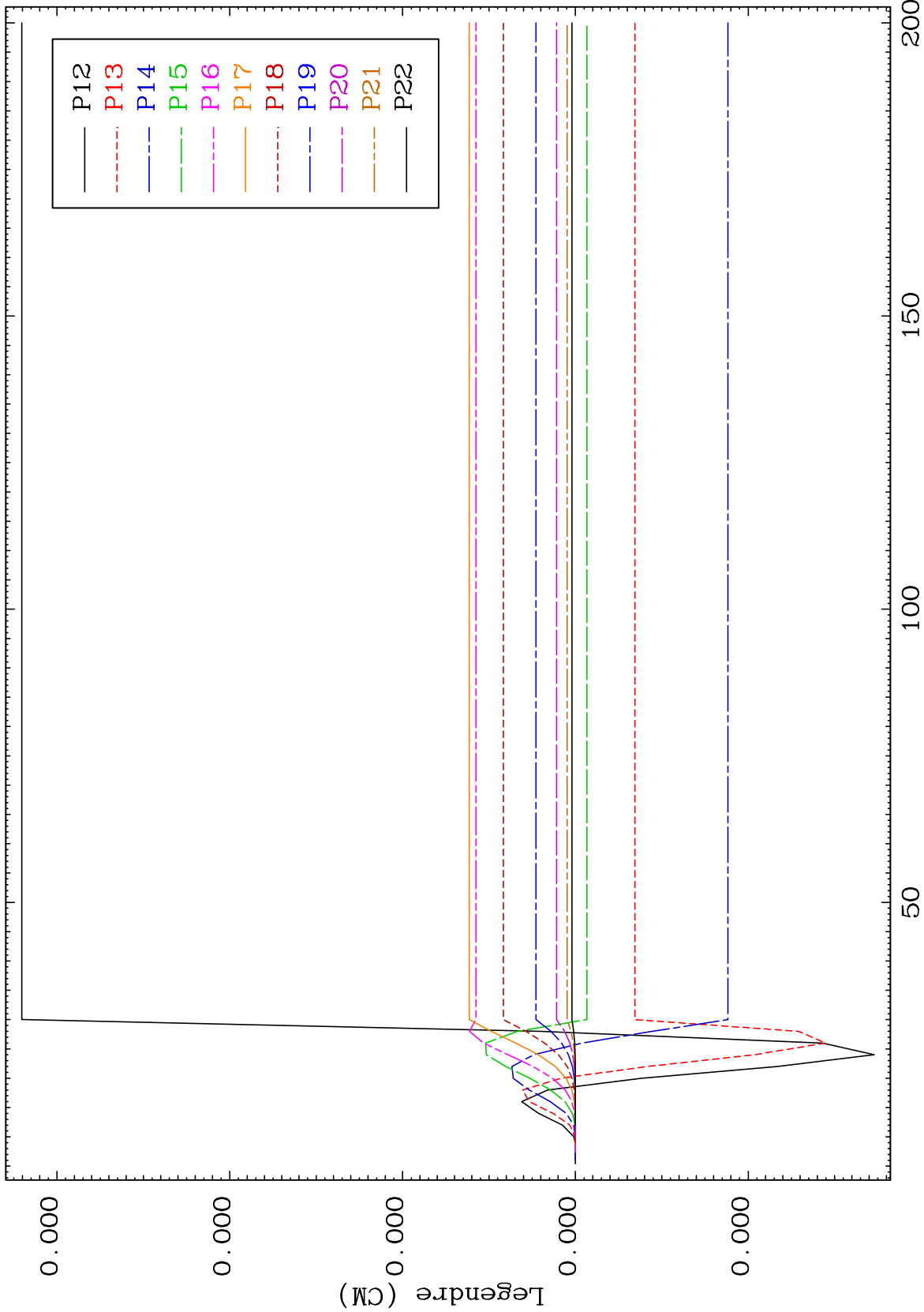
Incident Energy (MeV)

30-Zn-68

MAT 3037

3.282 MeV (n,n') Level
Legendre Coefficients

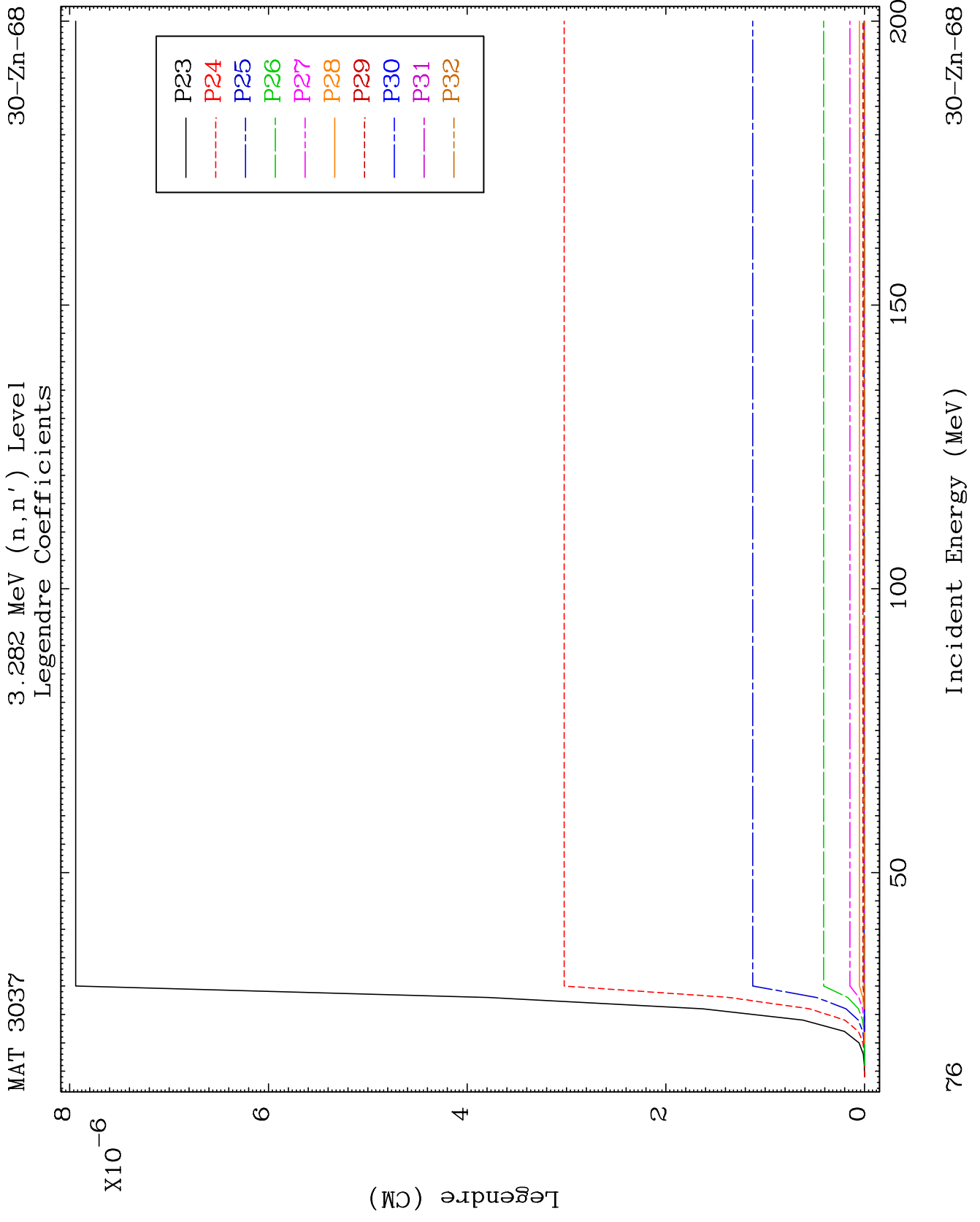
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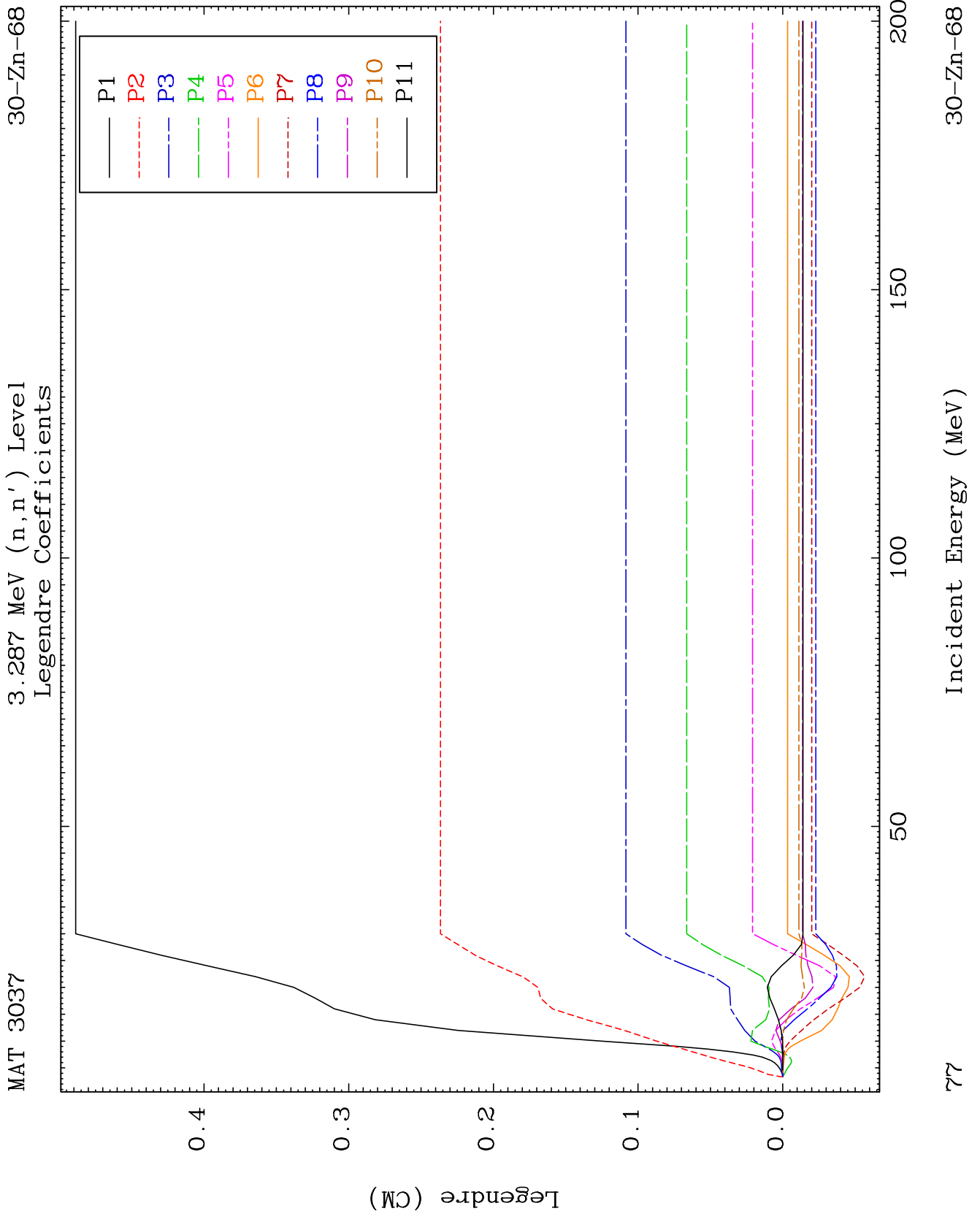


75

Incident Energy (MeV)

30-Zn-68

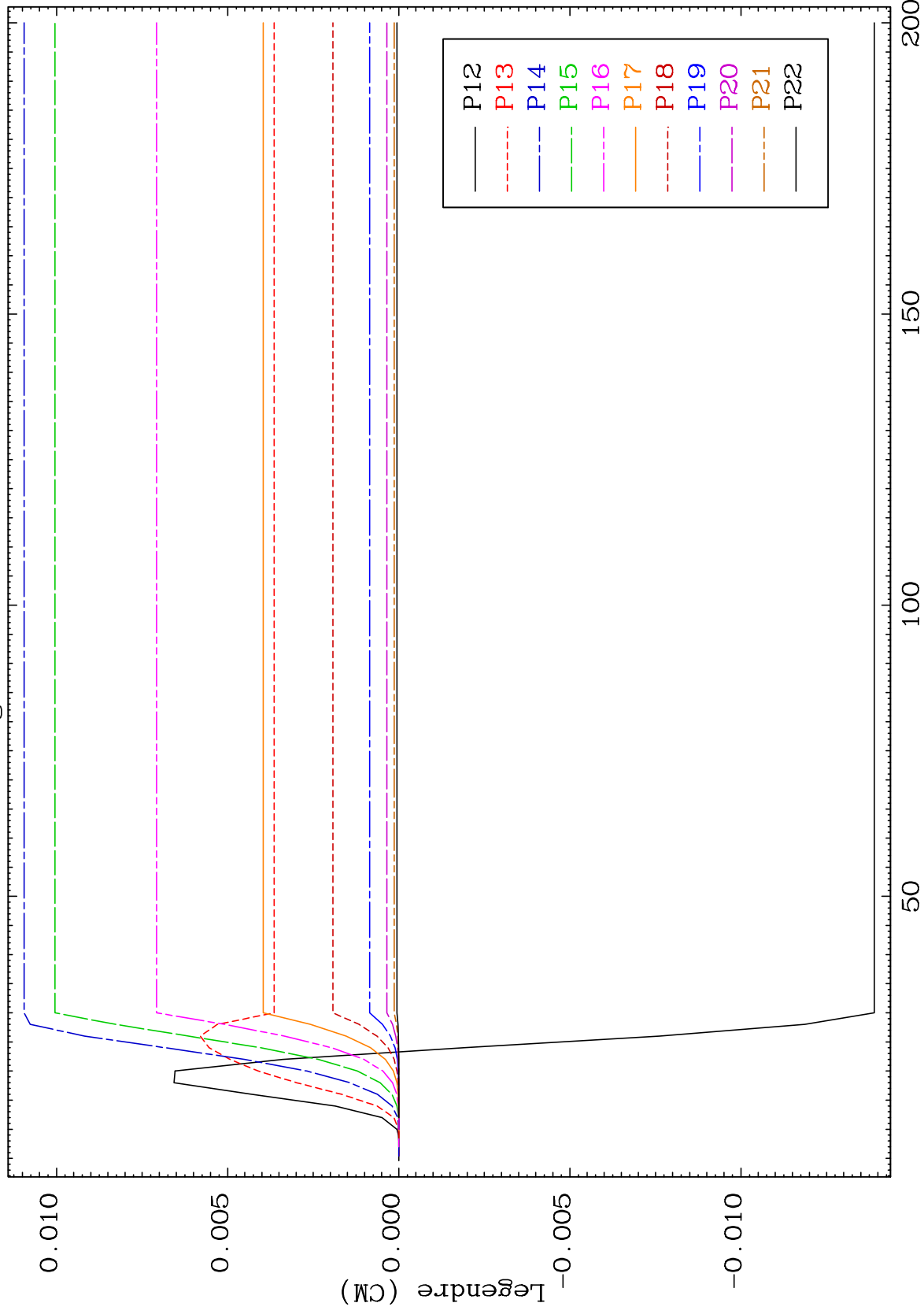




MAT 3037

3.287 MeV (n,n') Level
Legendre Coefficients

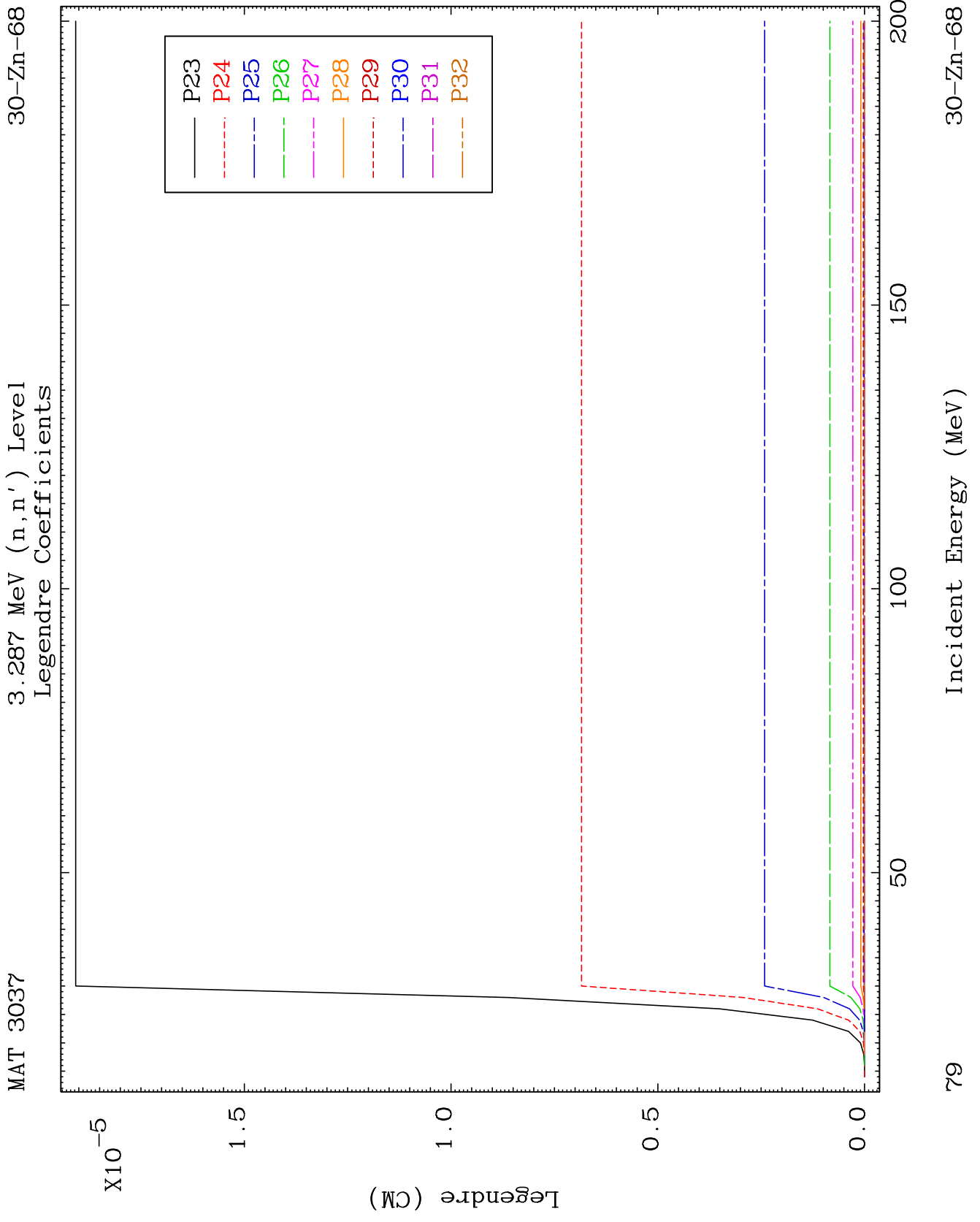
30-Zn-68

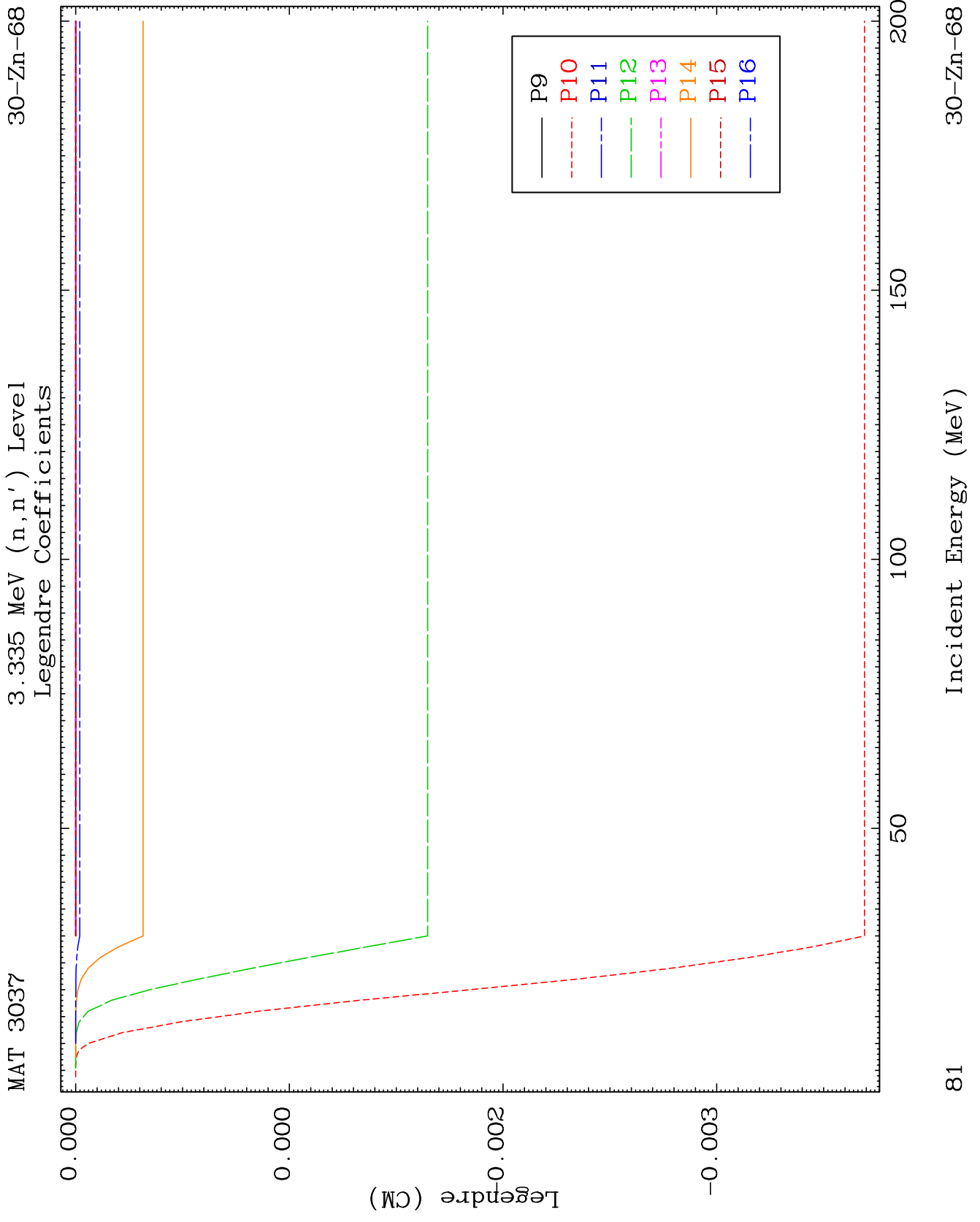


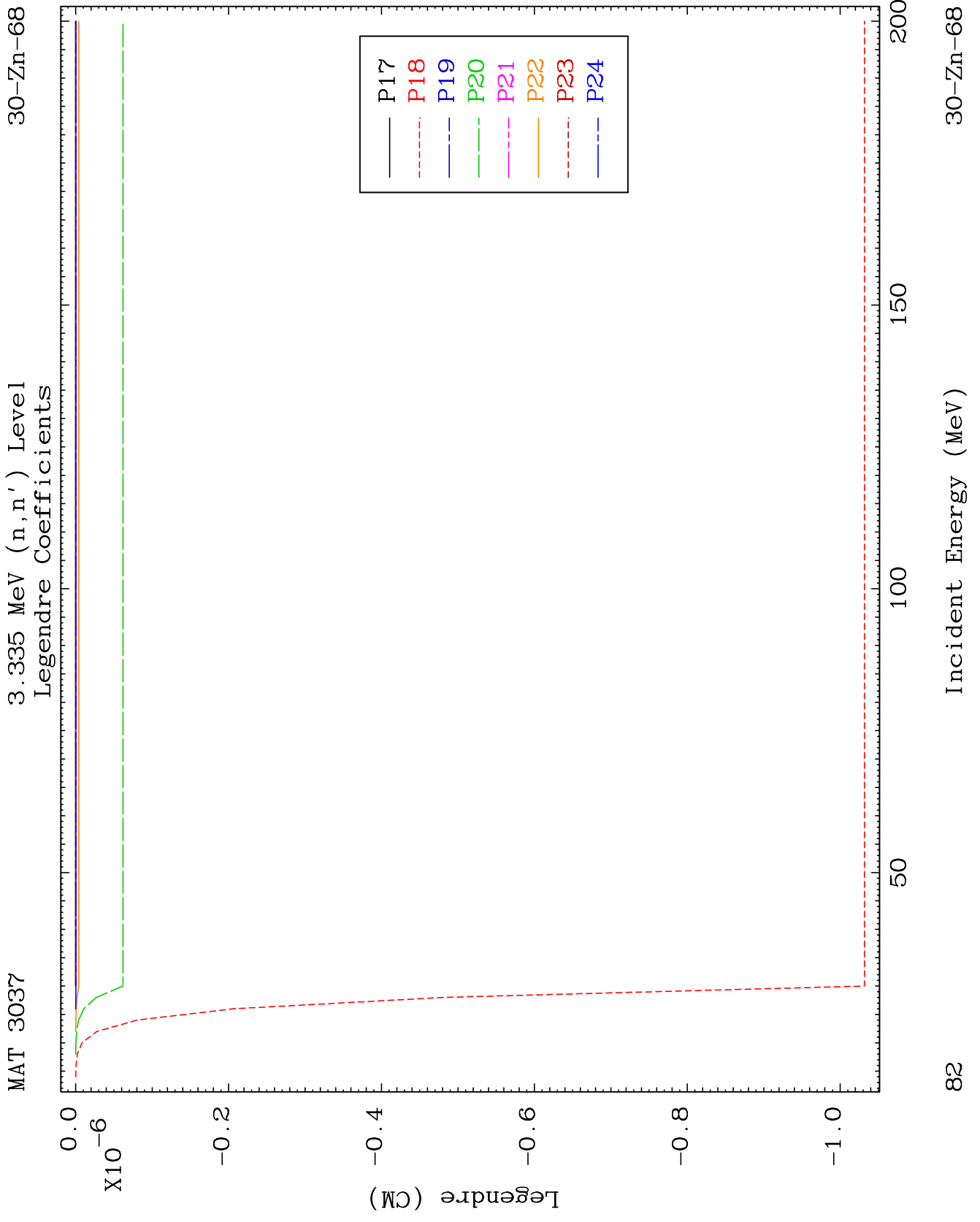
78

Incident Energy (MeV)

30-Zn-68



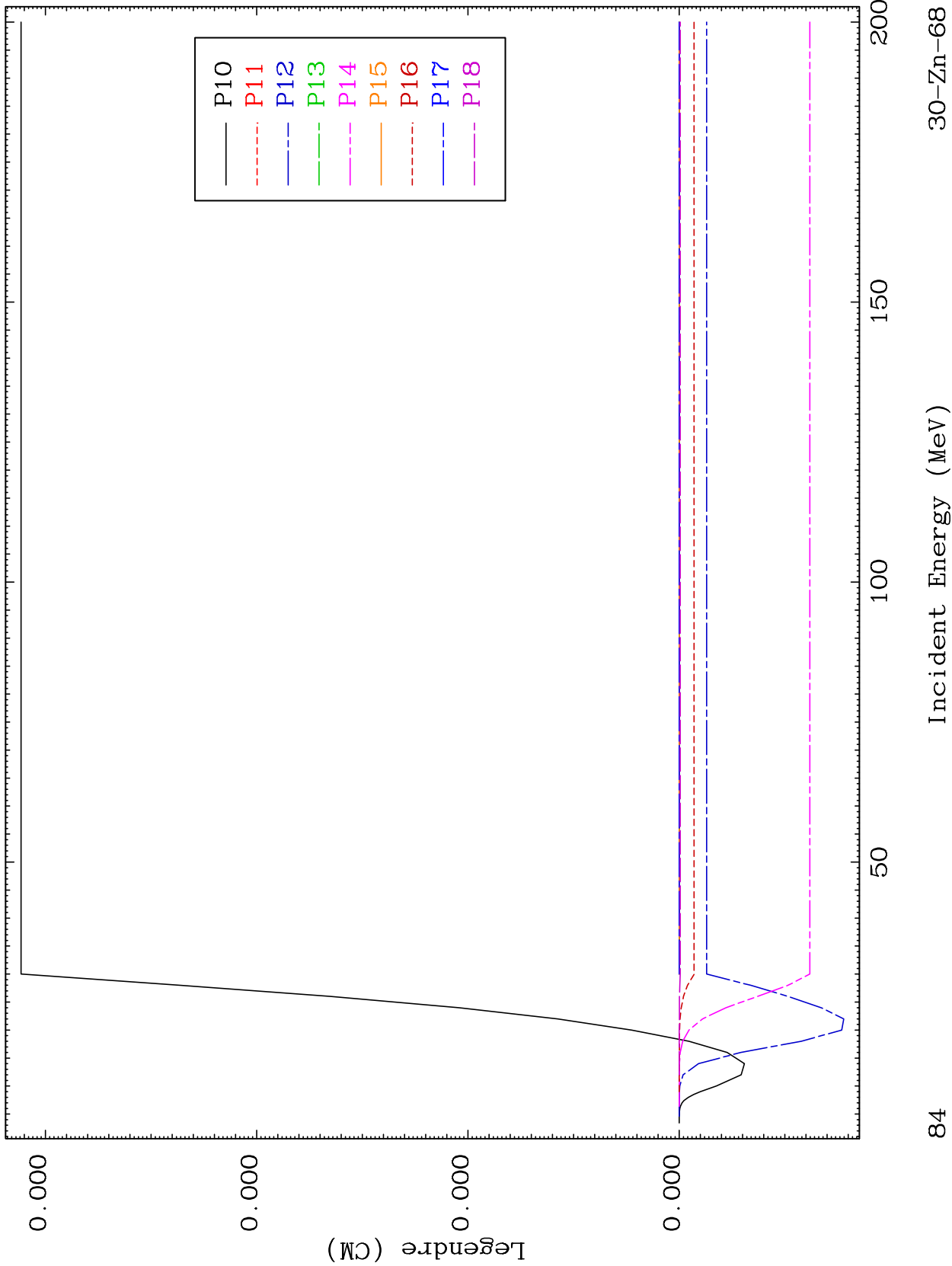


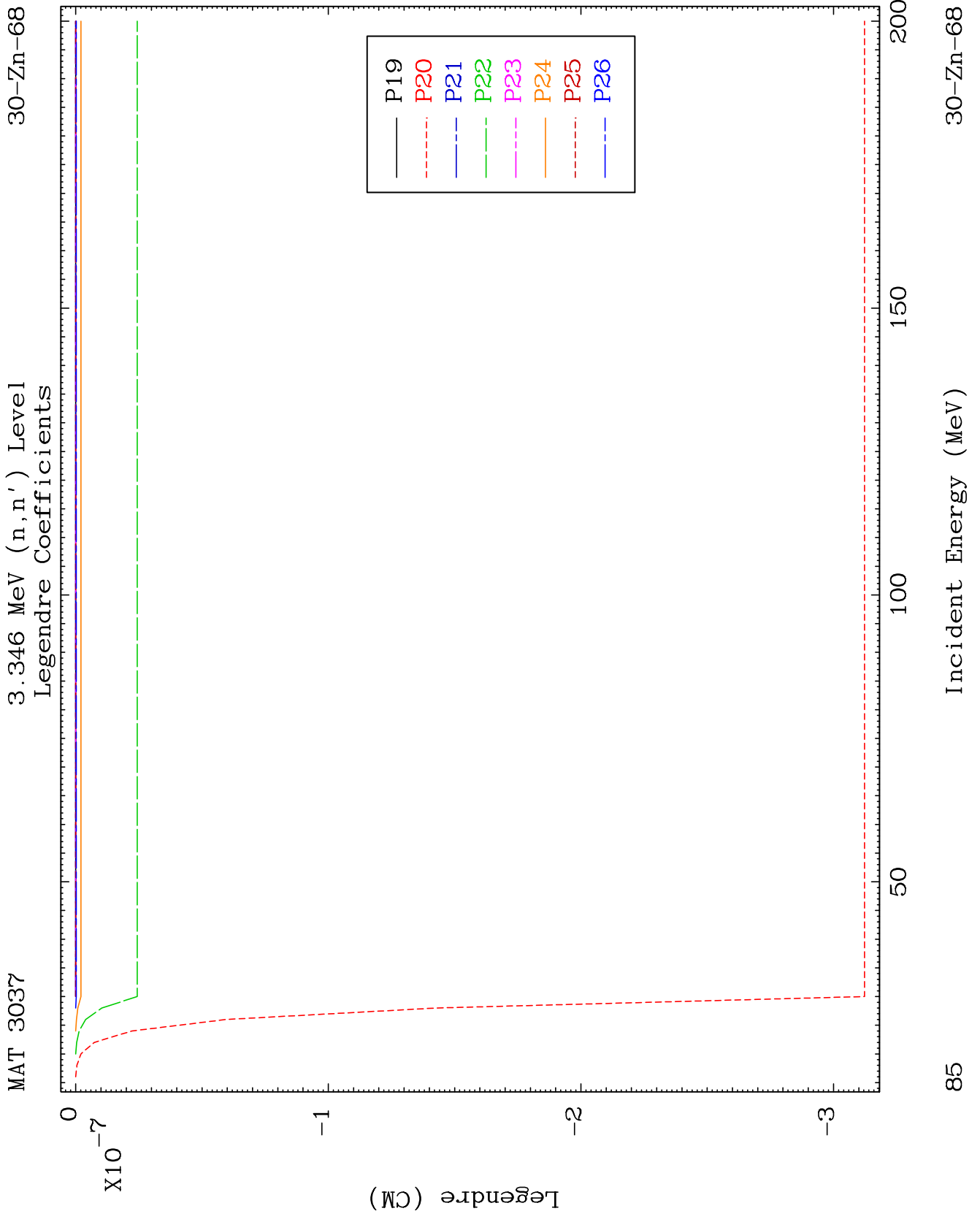


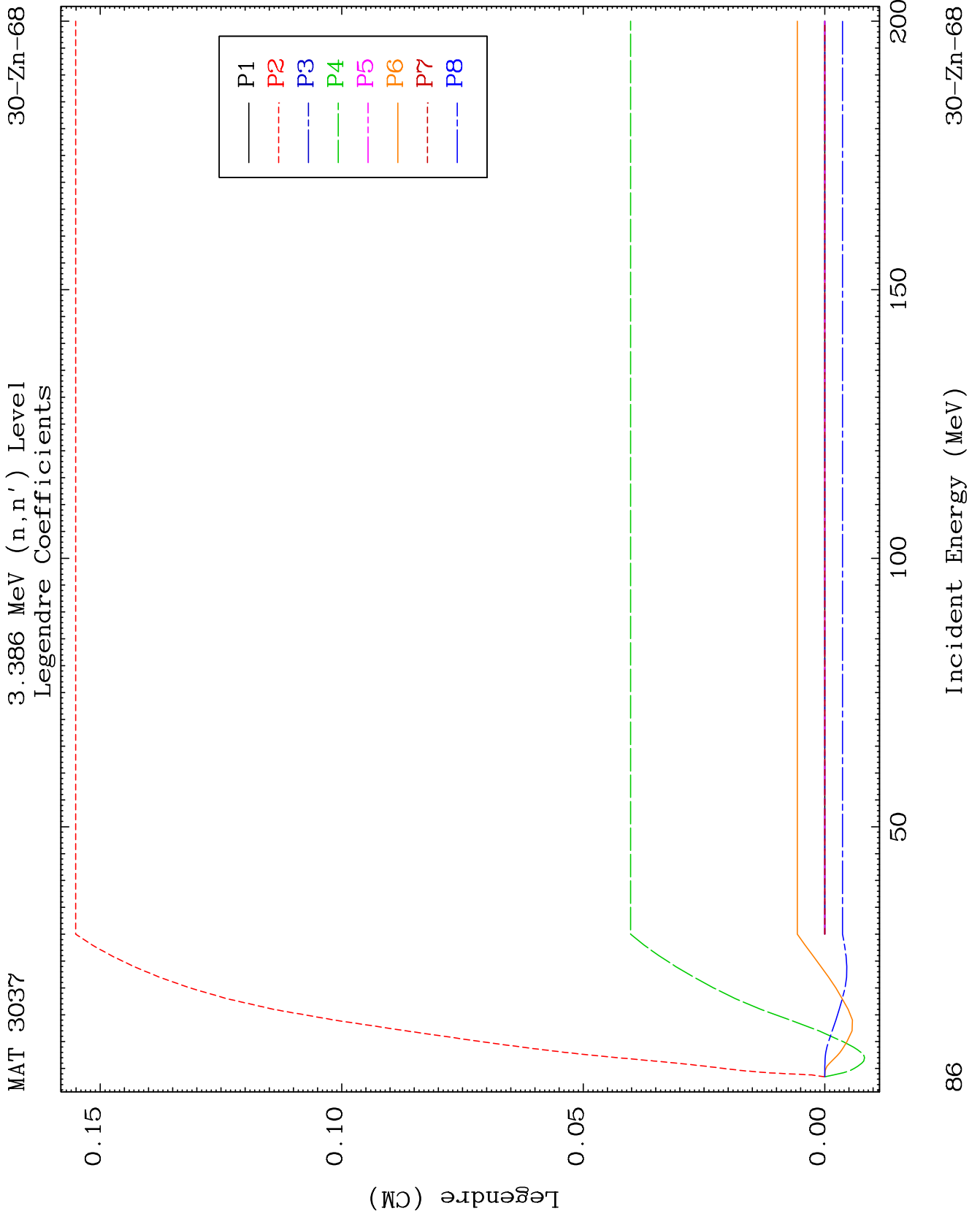
MAT 3037

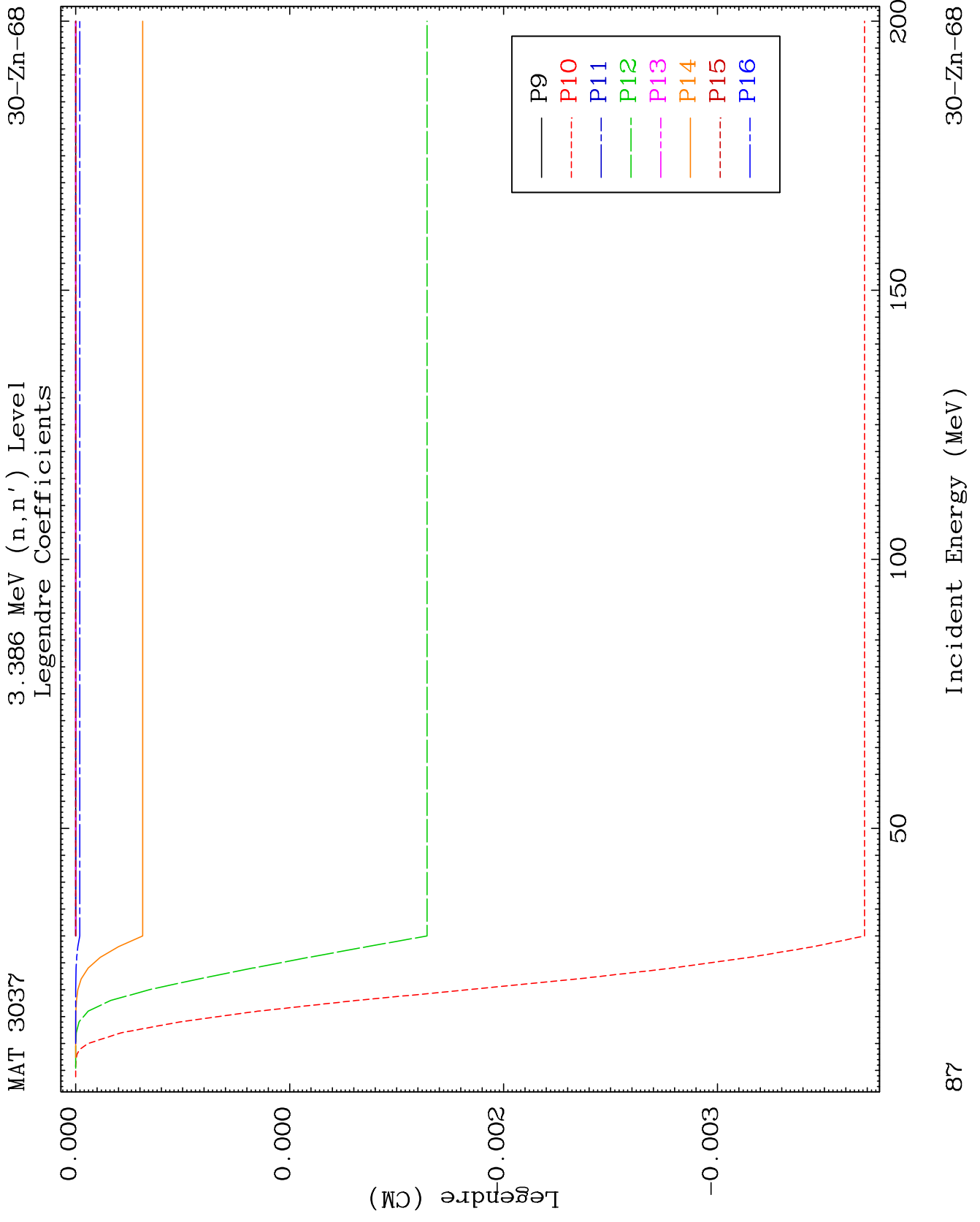
3.346 MeV (n,n') Level
Legendre Coefficients

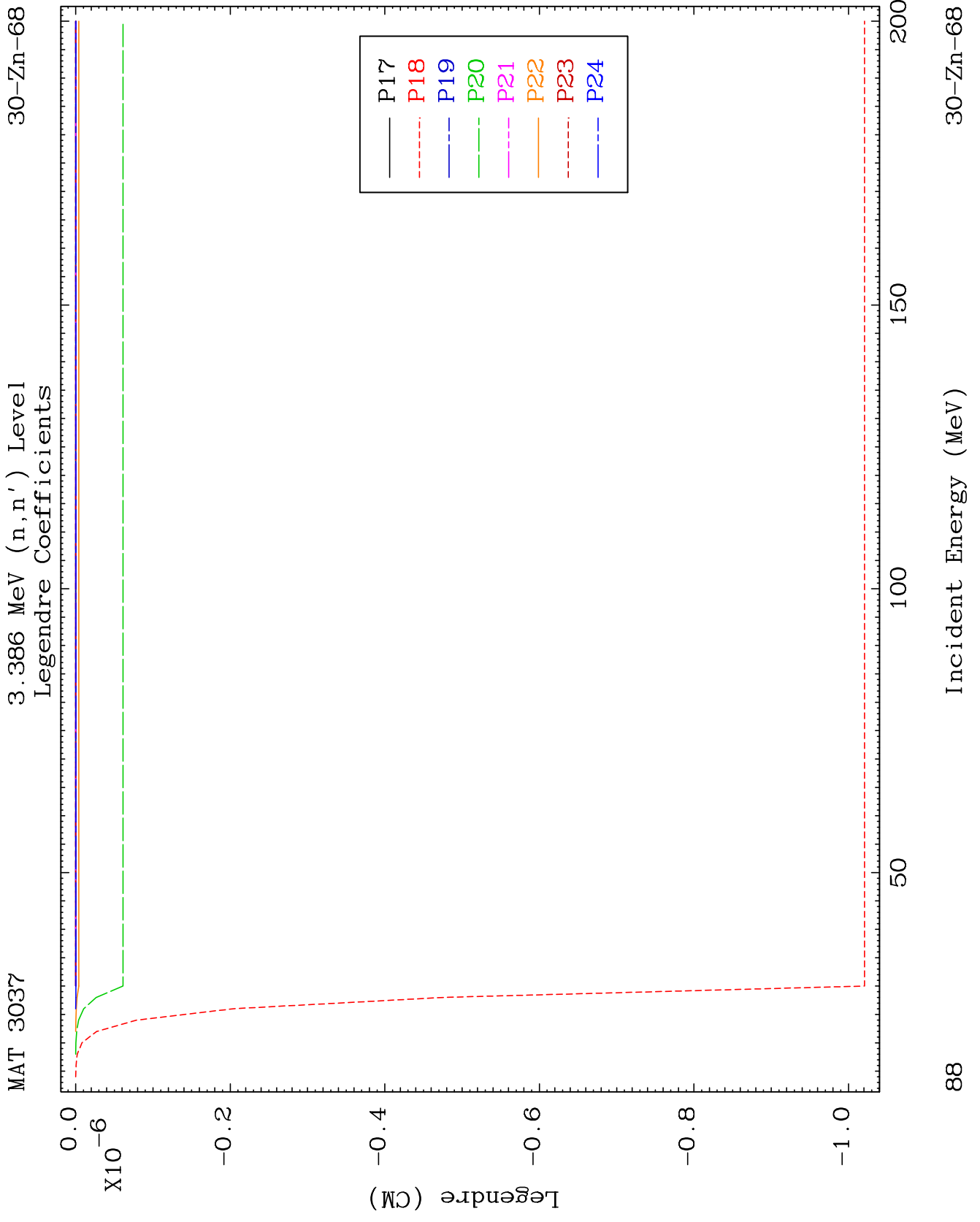
30-Zn-68







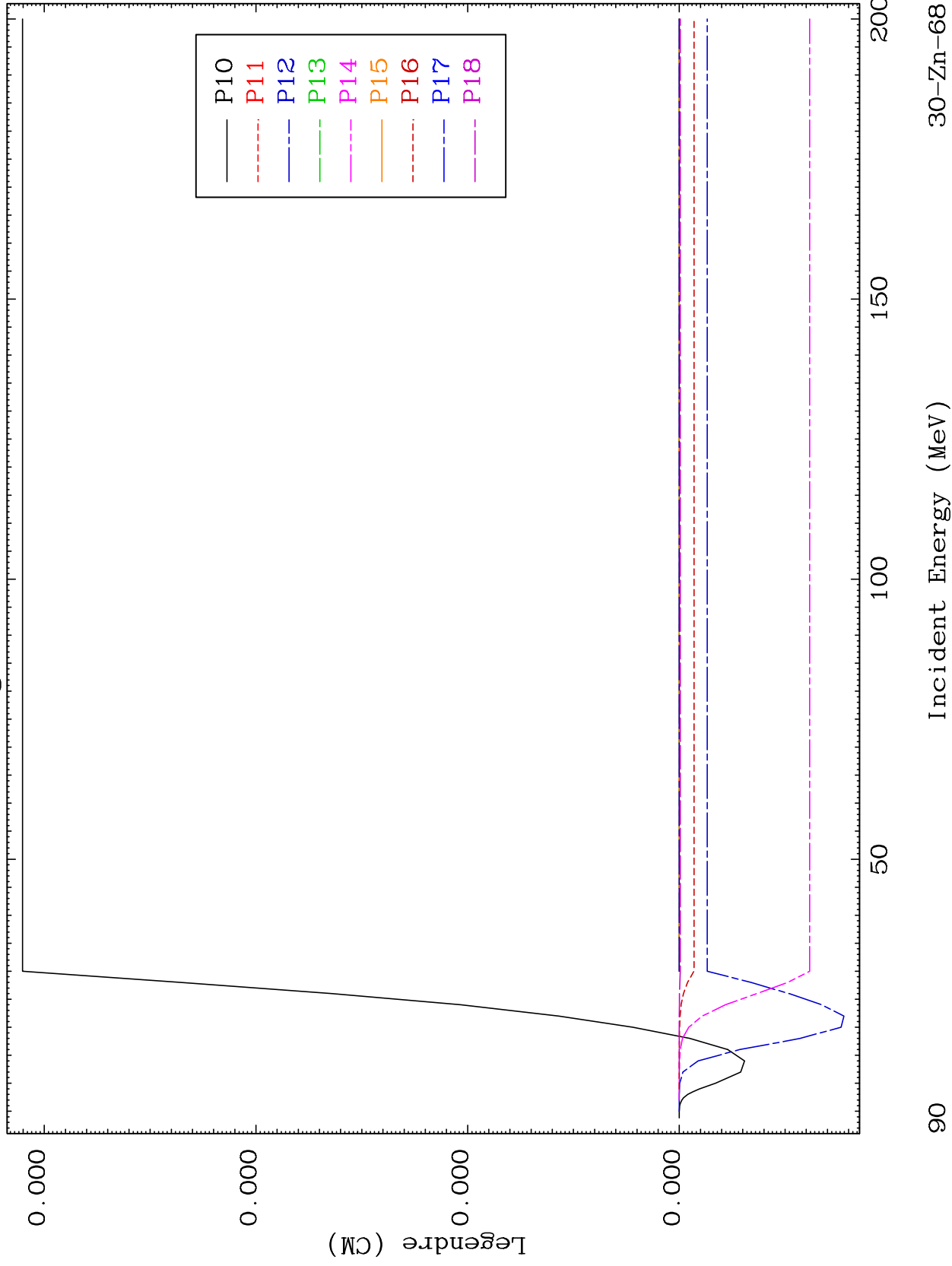




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3.401 MeV (n,n') Level
Legendre Coefficients

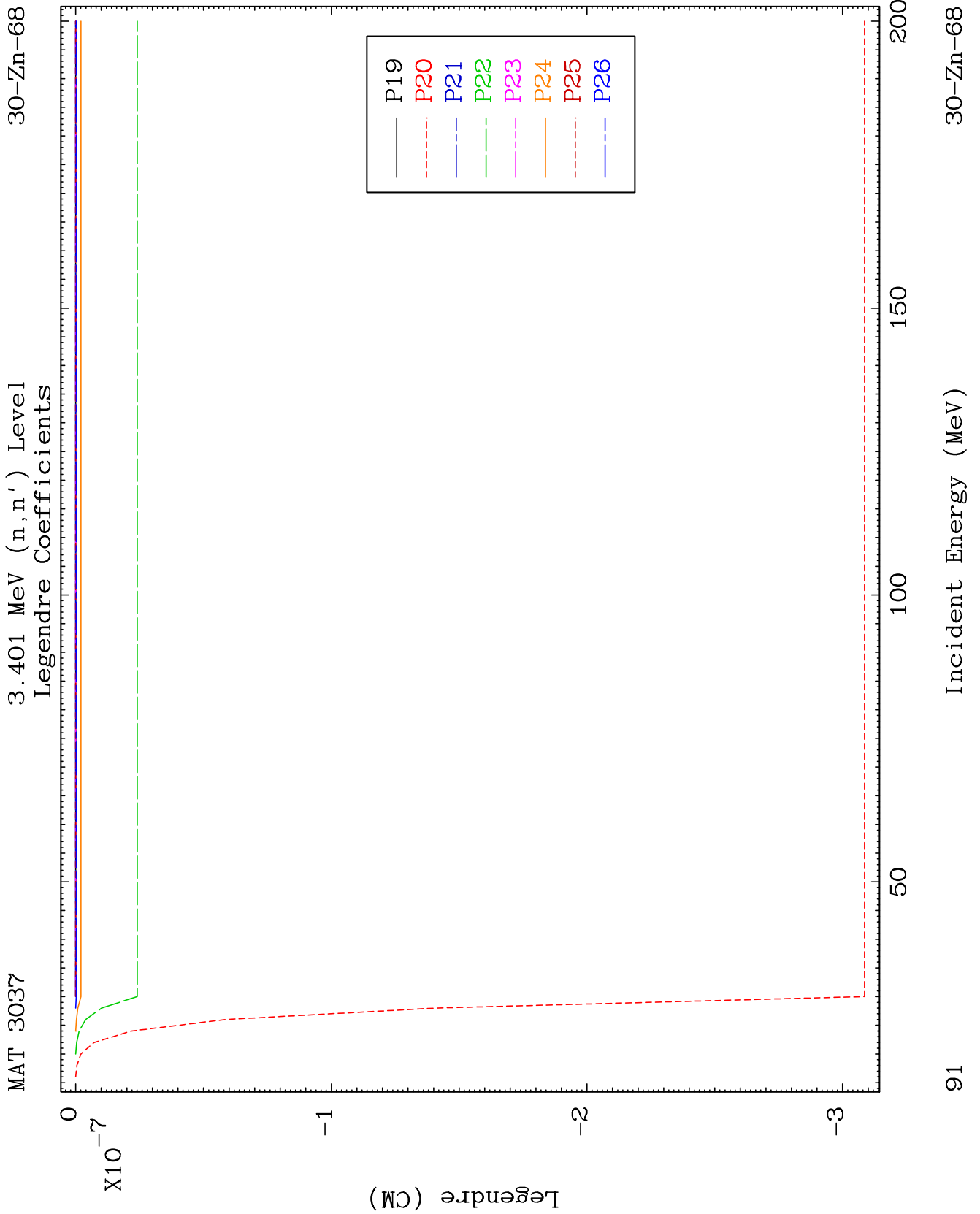
30-Zn-68

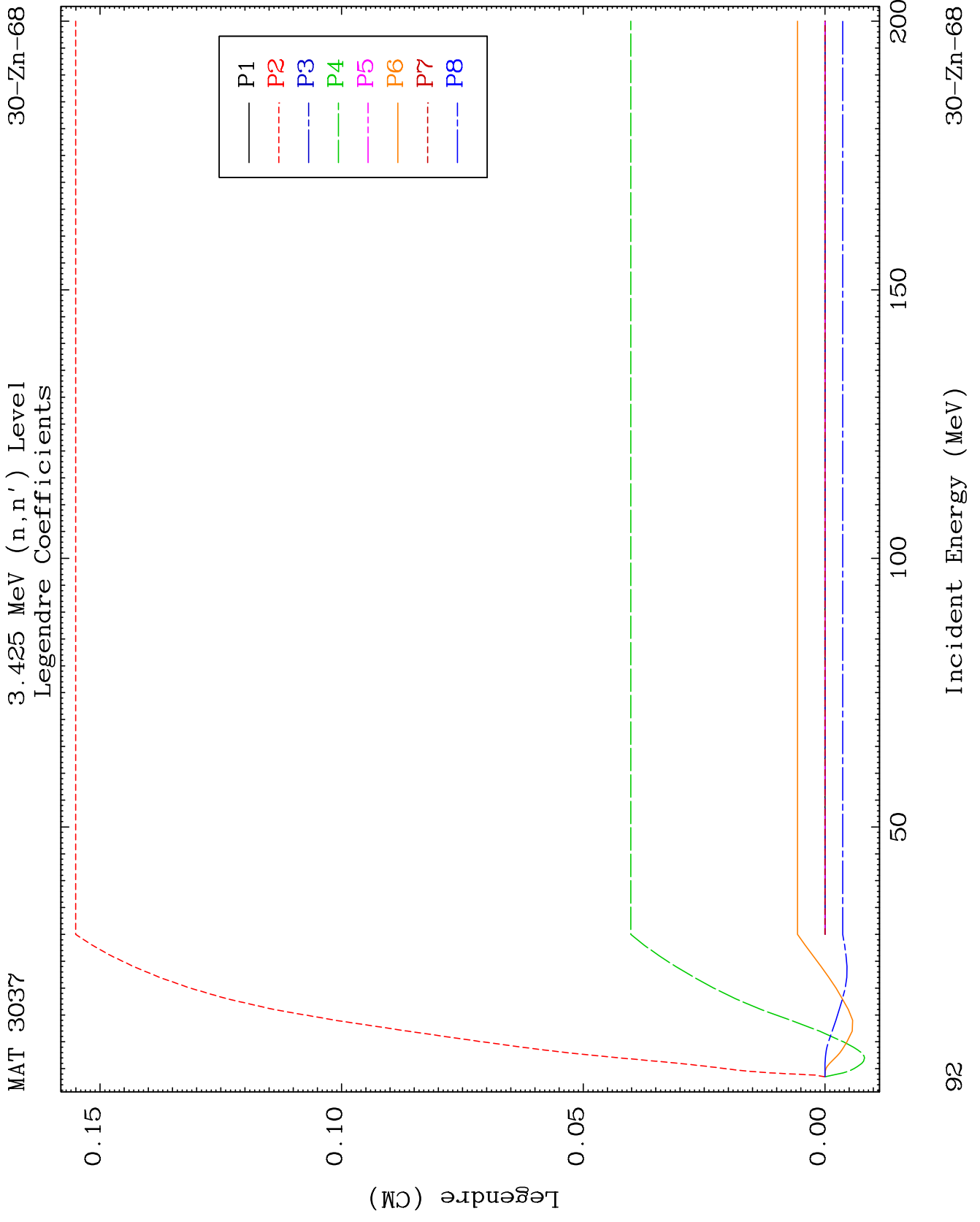


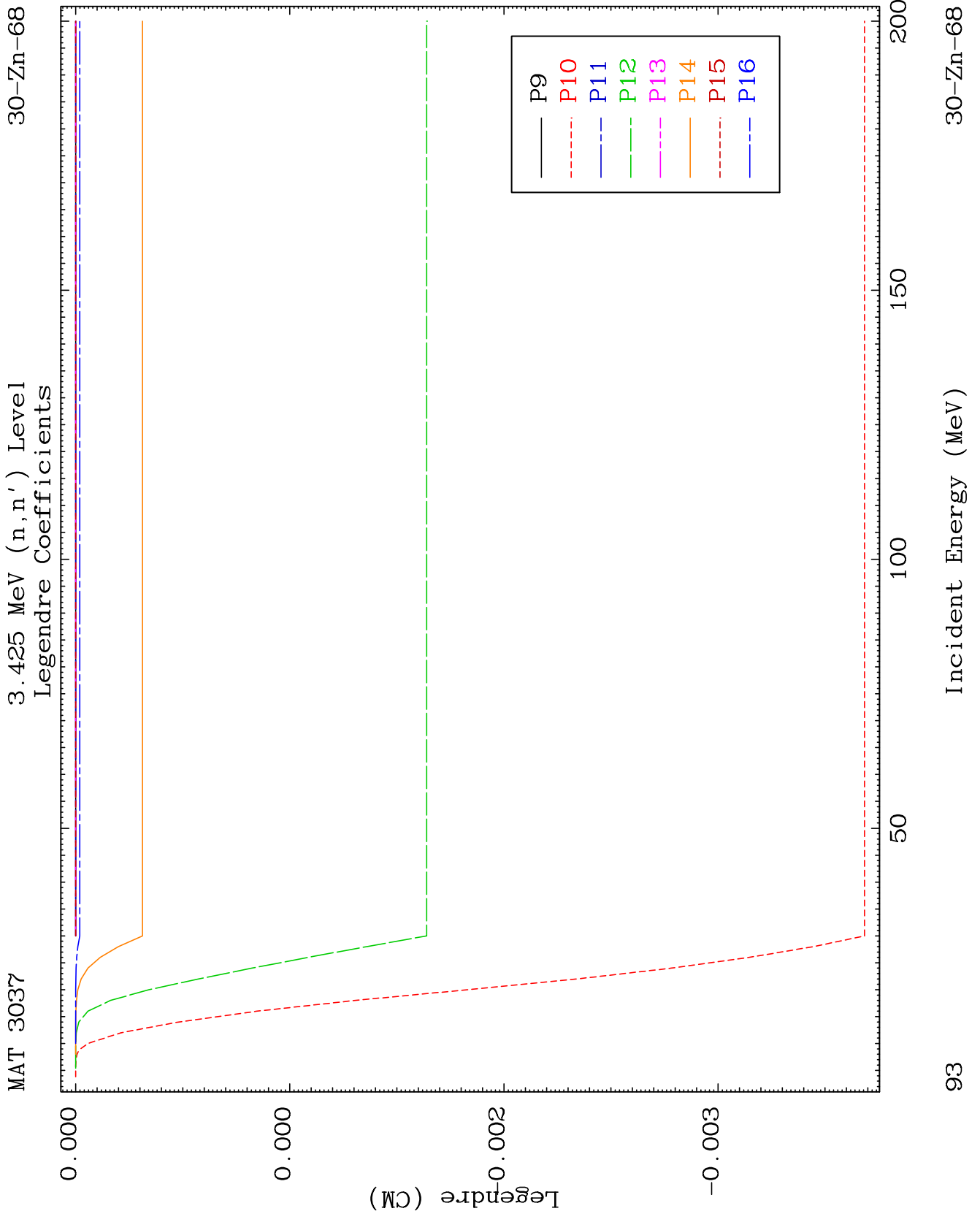
90

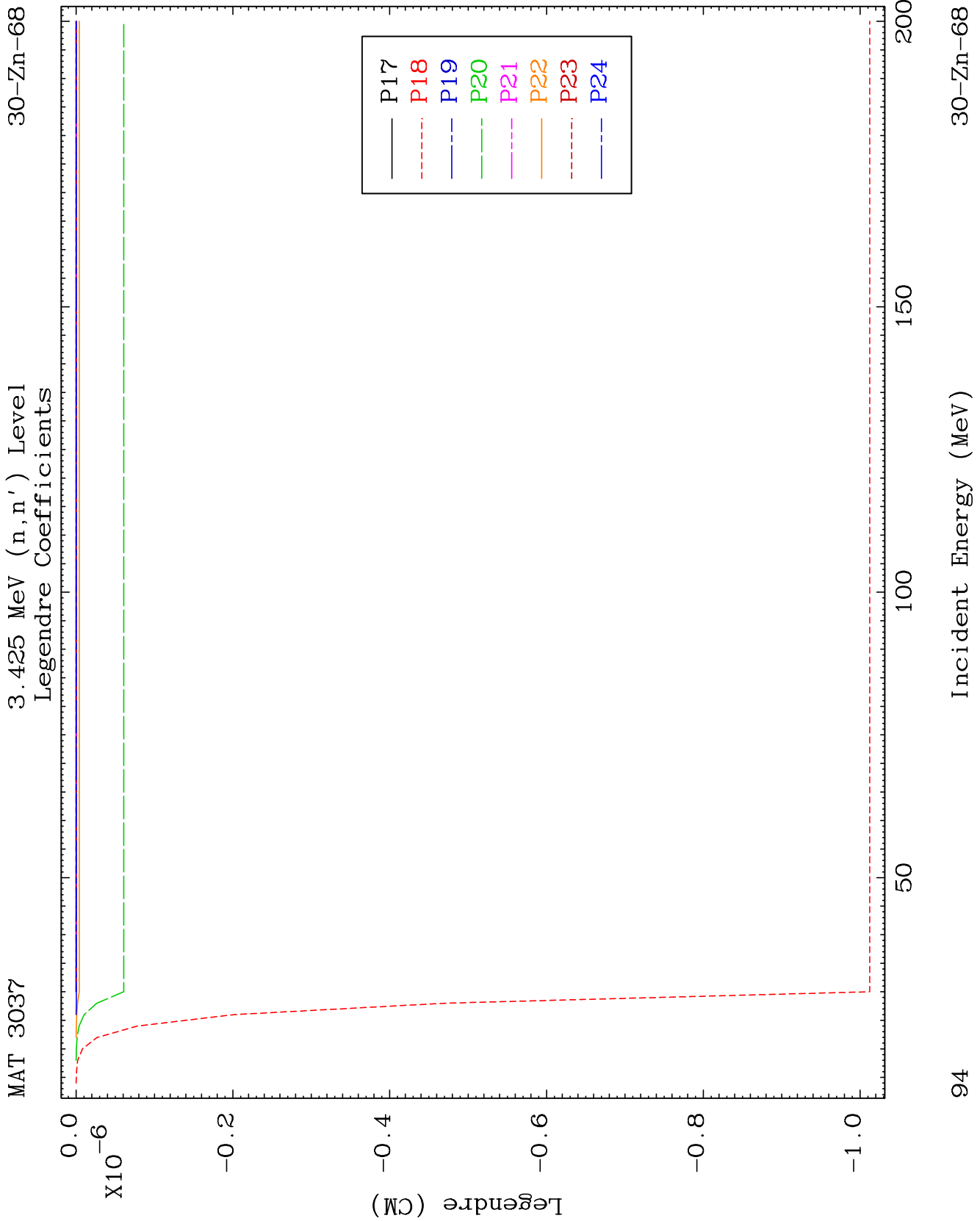
Incident Energy (MeV)

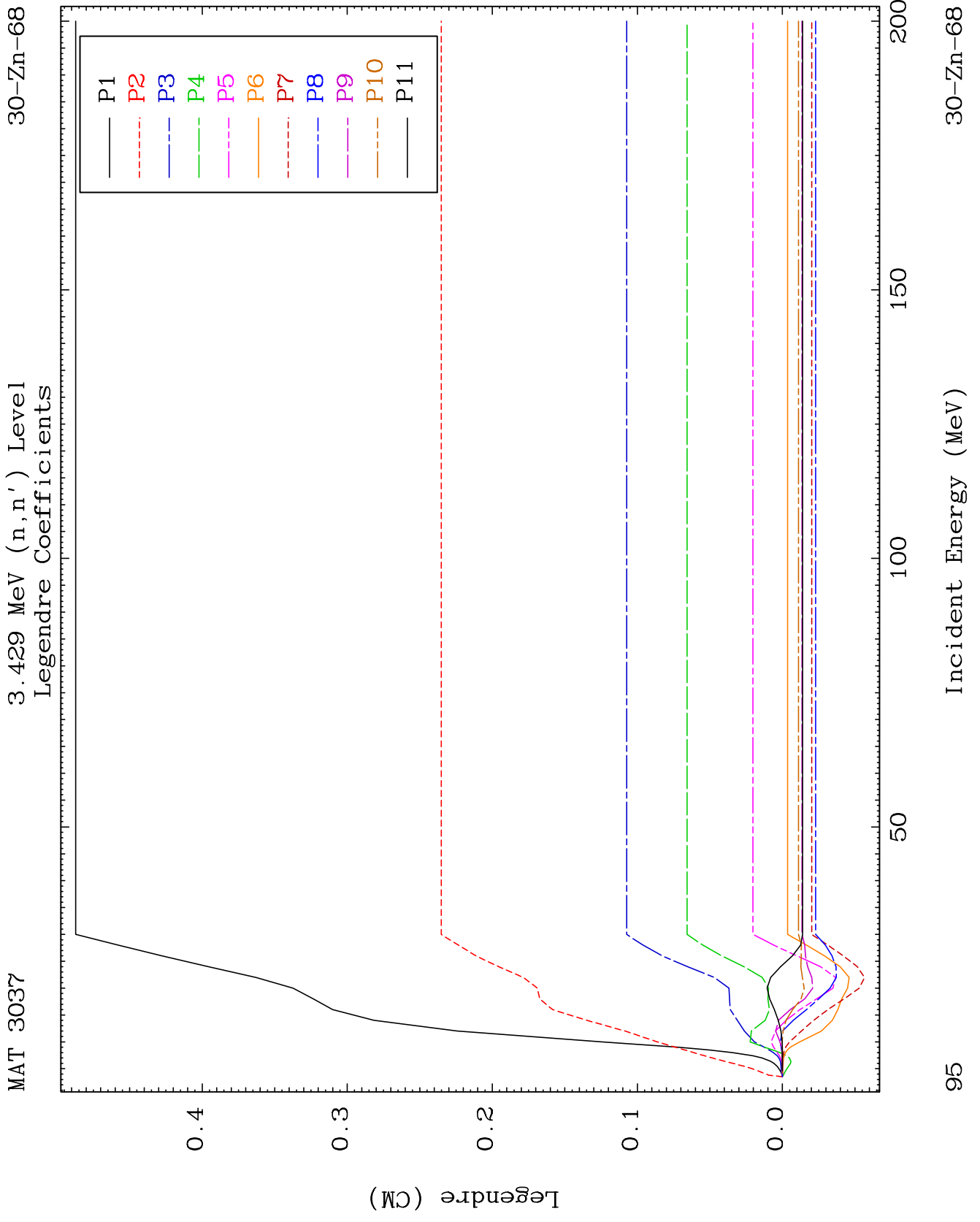
30-Zn-68

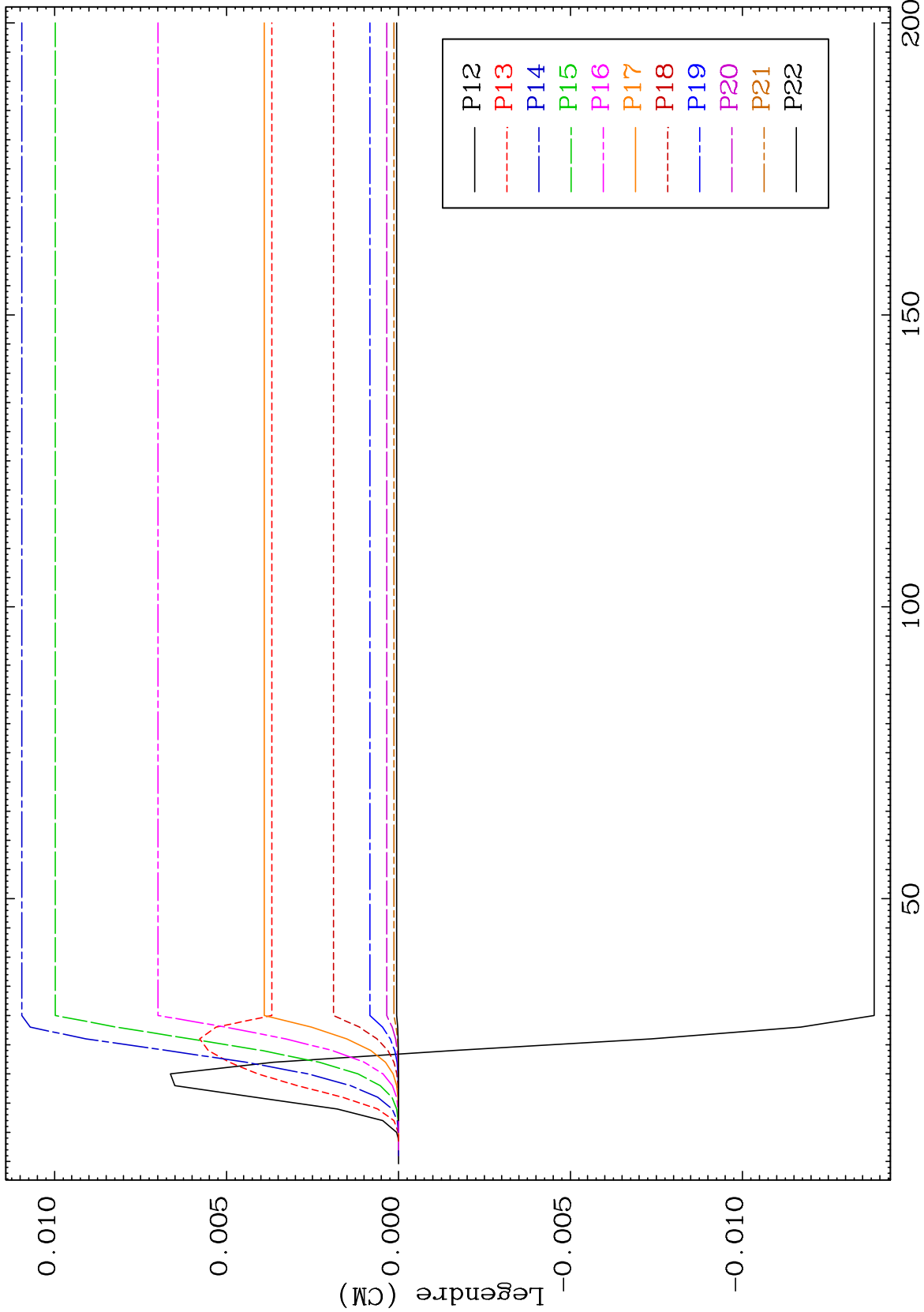








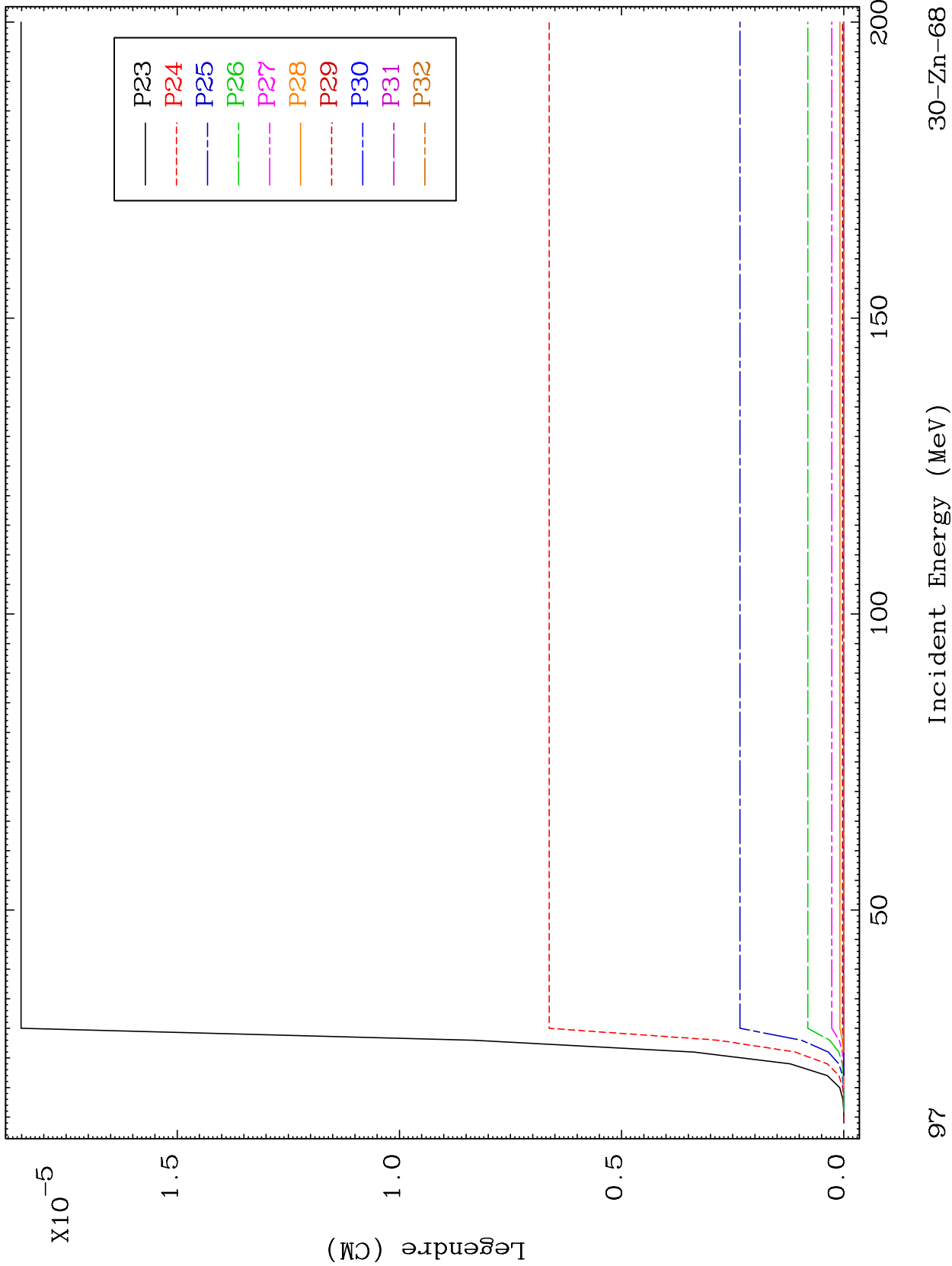




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3.429 MeV (n,n') Level
Legendre Coefficients

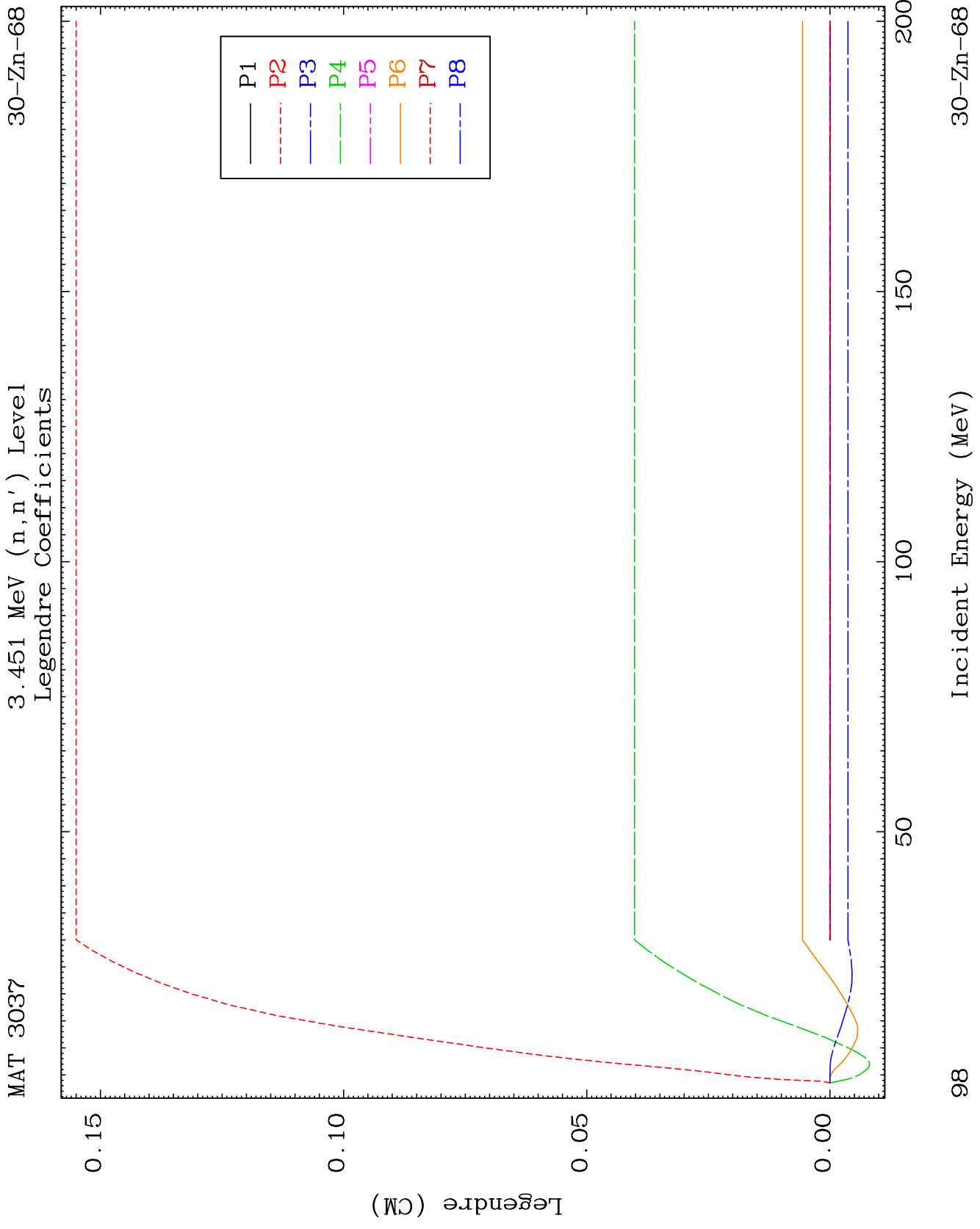
30-Zn-68

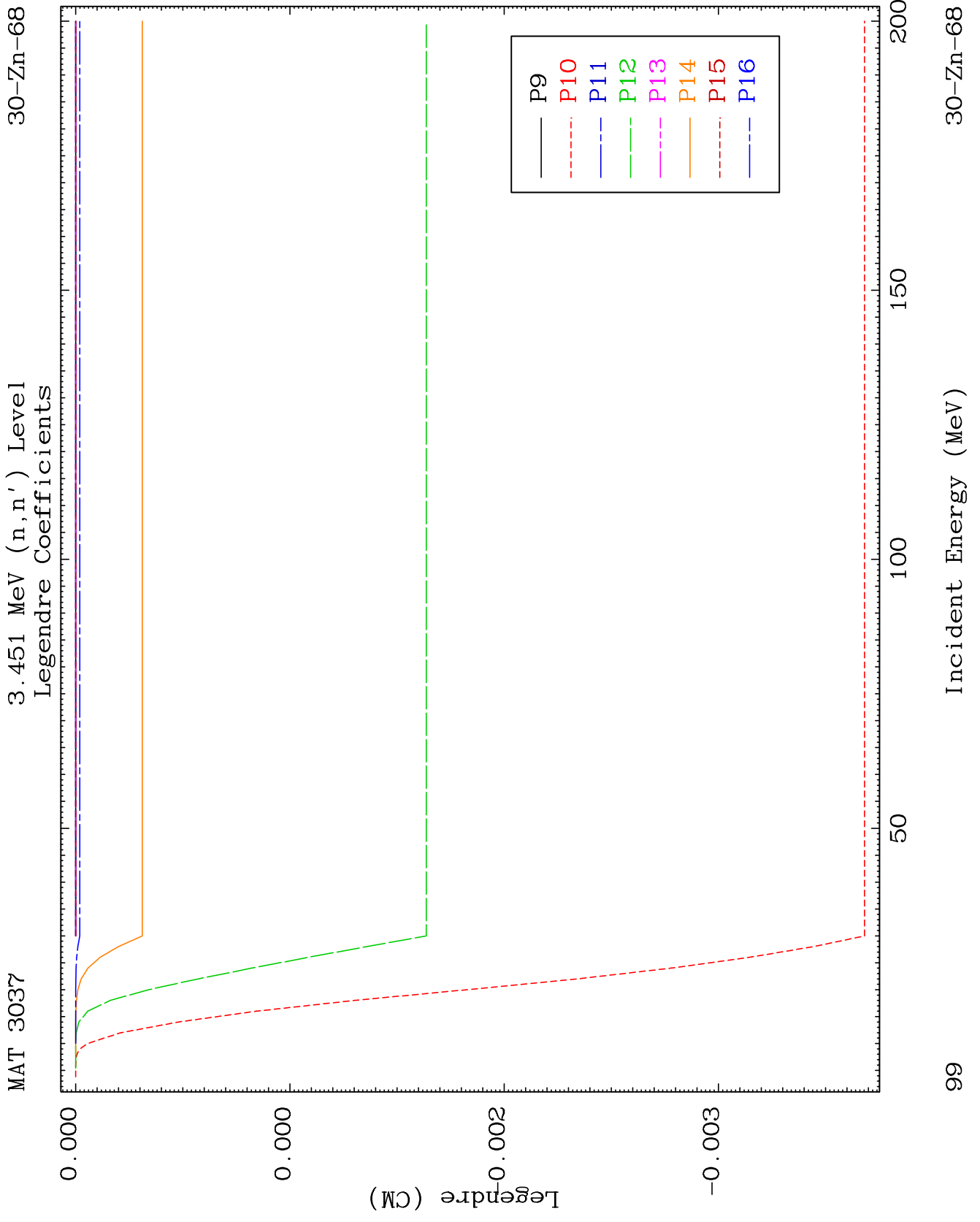


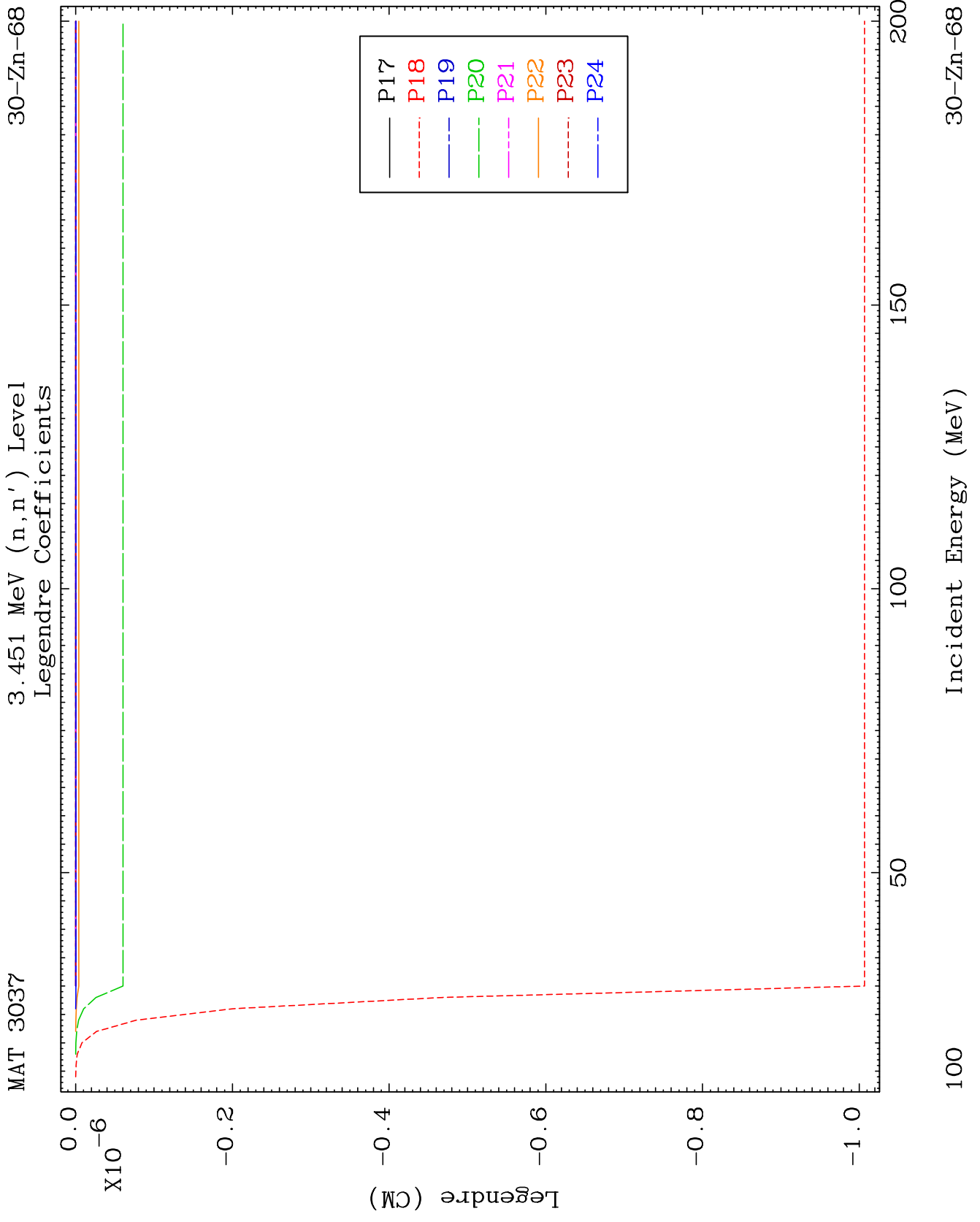
97

Incident Energy (MeV)

30-Zn-68



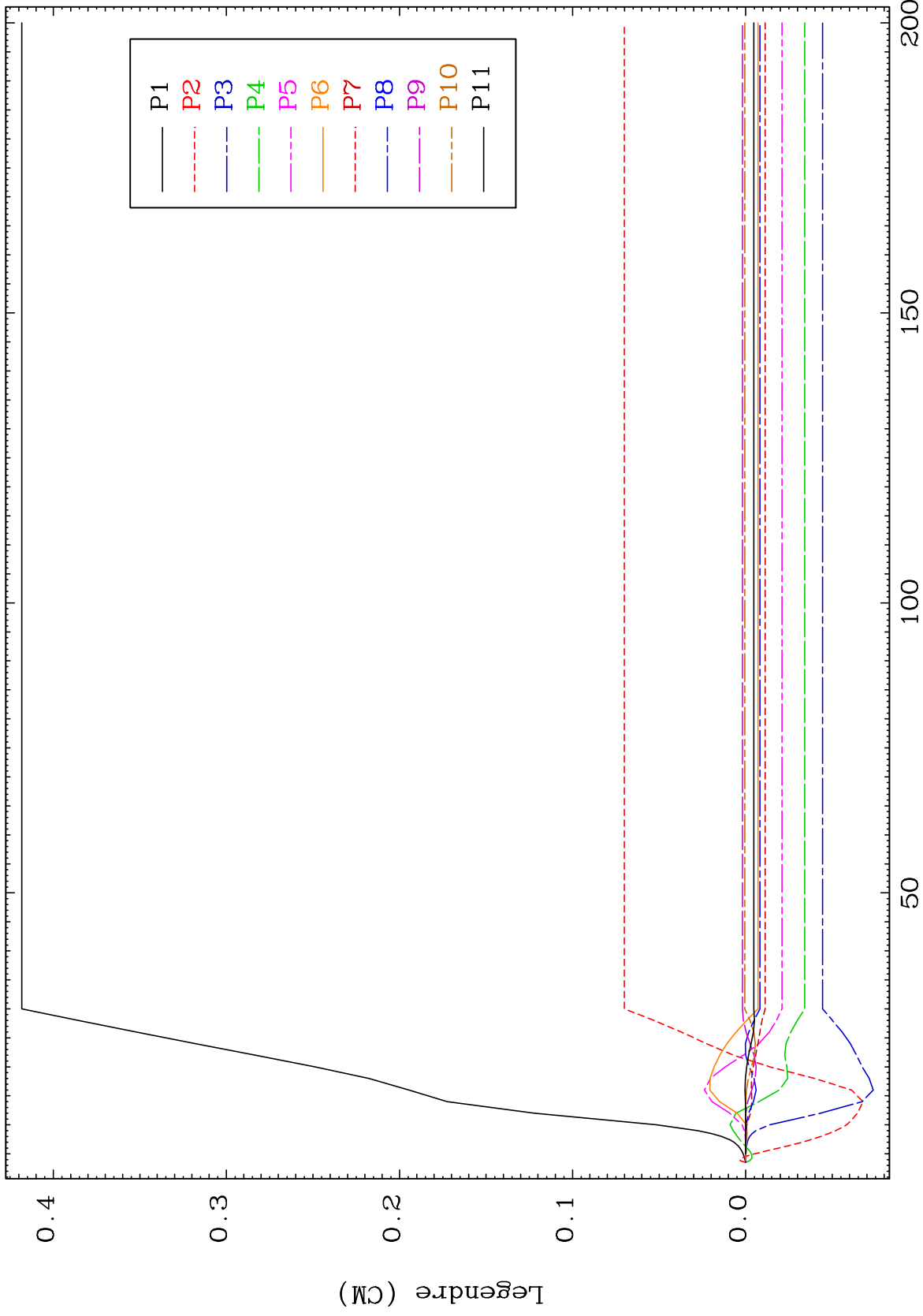




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3.459 MeV (n,n') Level
Legendre Coefficients

30-Zn-68



101

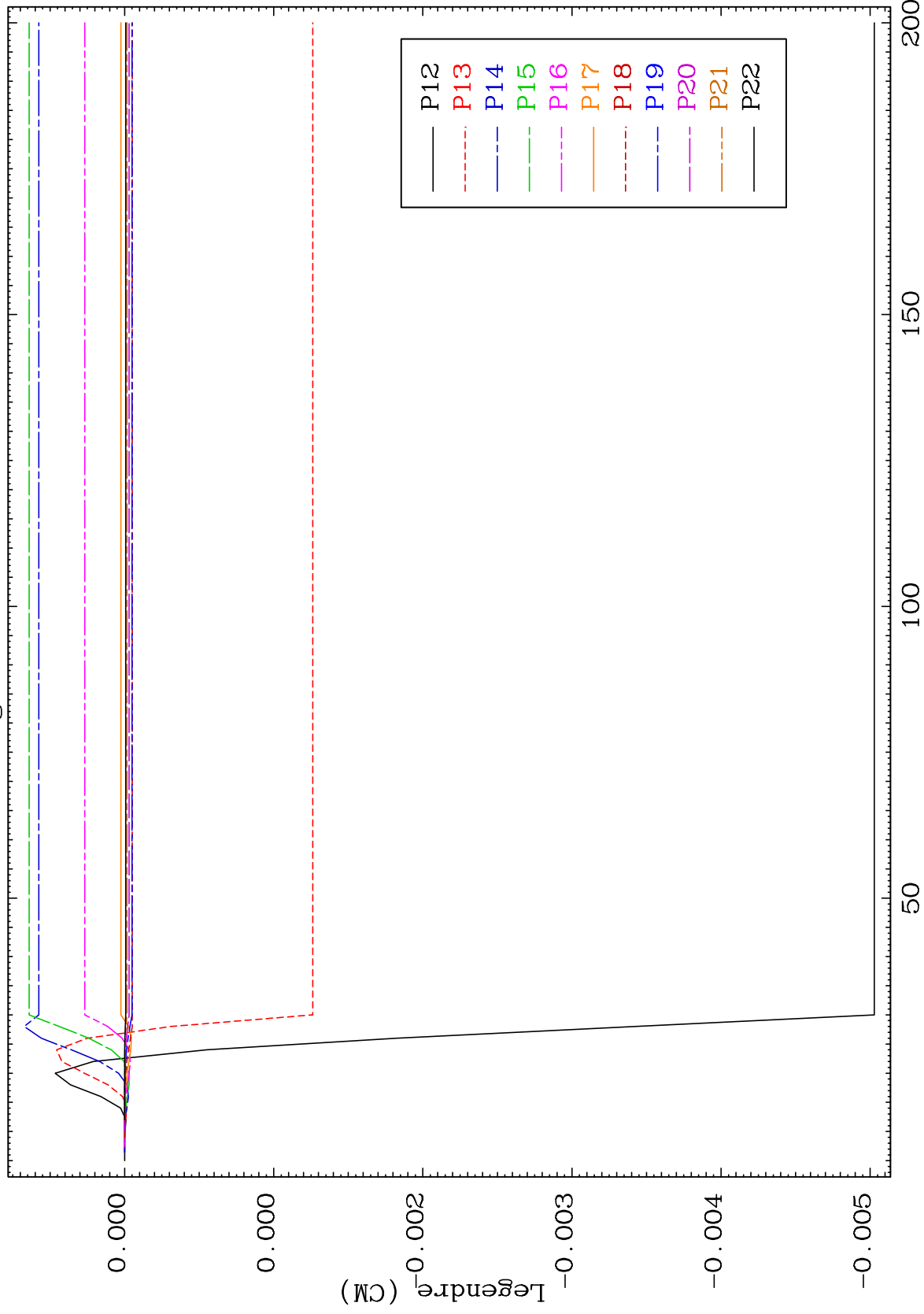
Incident Energy (MeV)

30-Zn-68

MAT 3037

3.459 MeV (n,n') Level
Legendre Coefficients

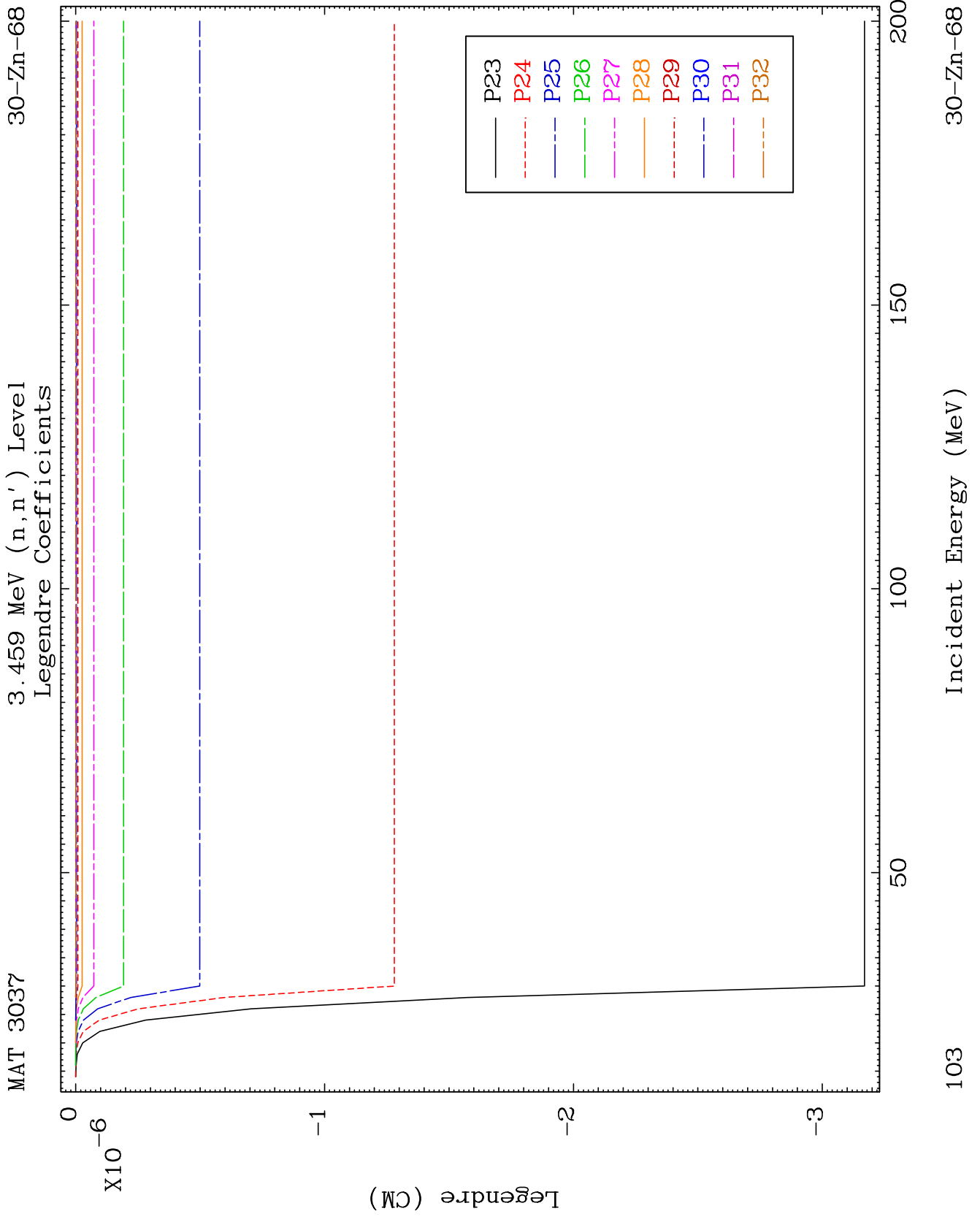
30-Zn-68

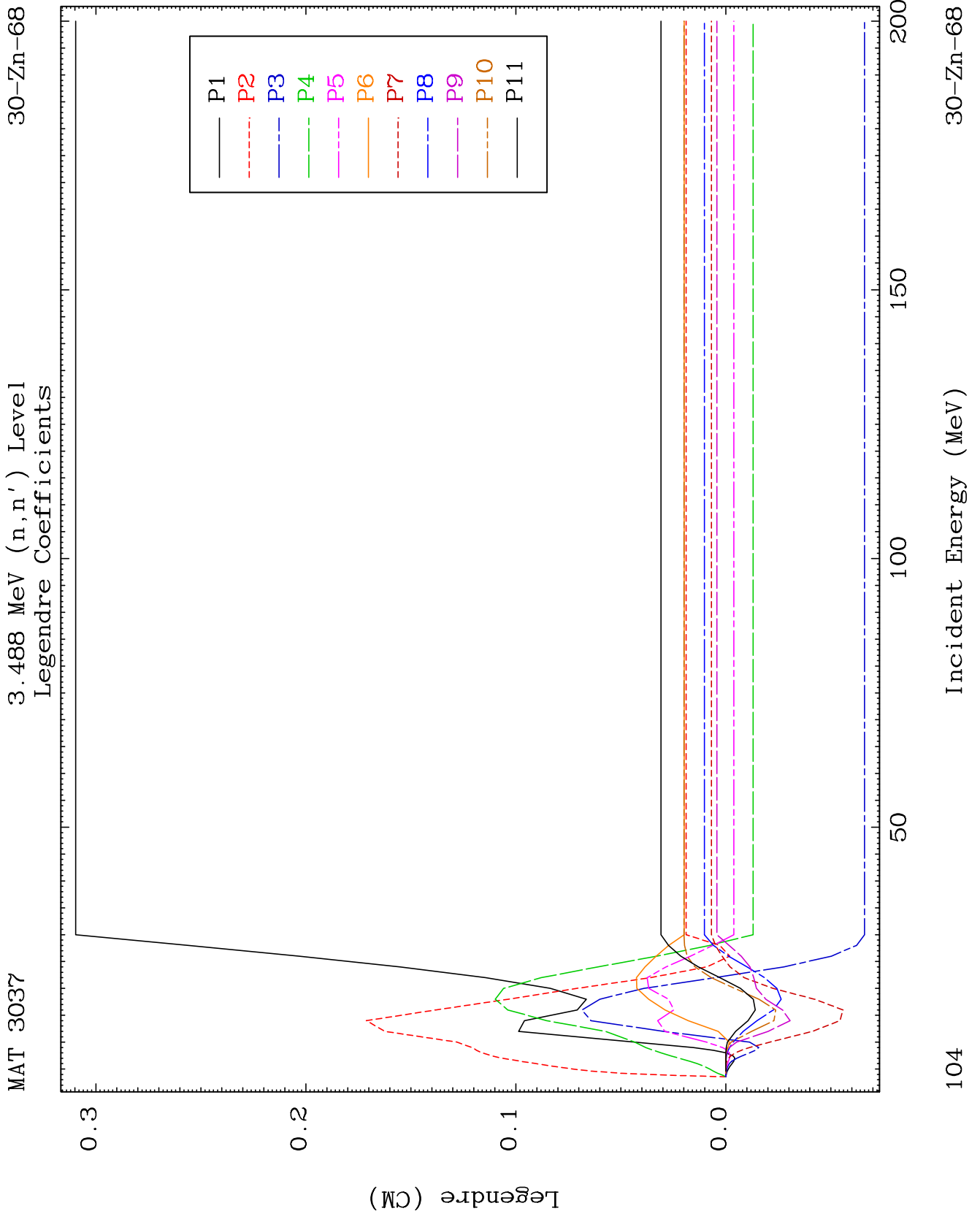


102

Incident Energy (MeV)

30-Zn-68

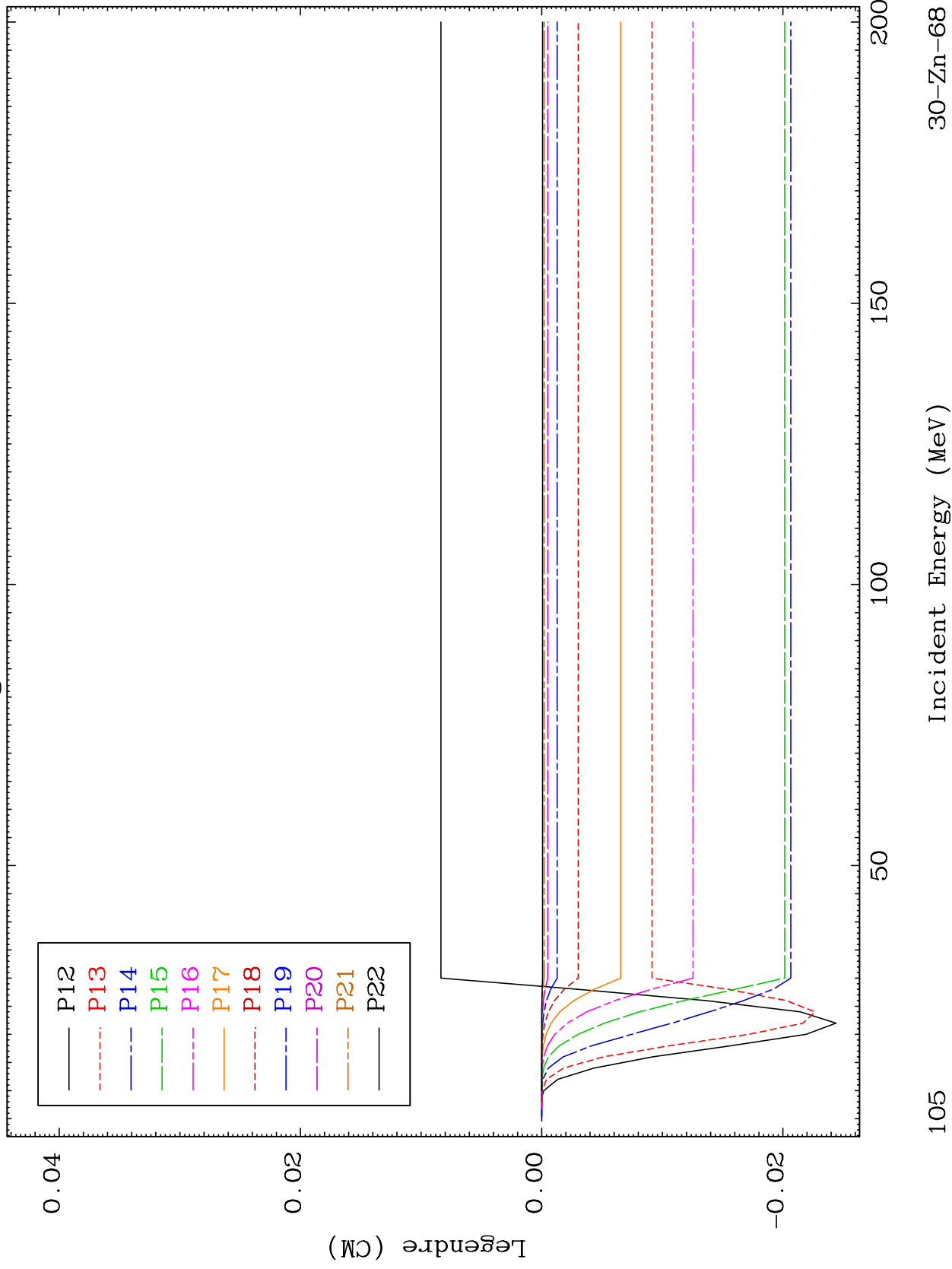




MAT 3037

3.488 MeV (n,n') Level
Legendre Coefficients

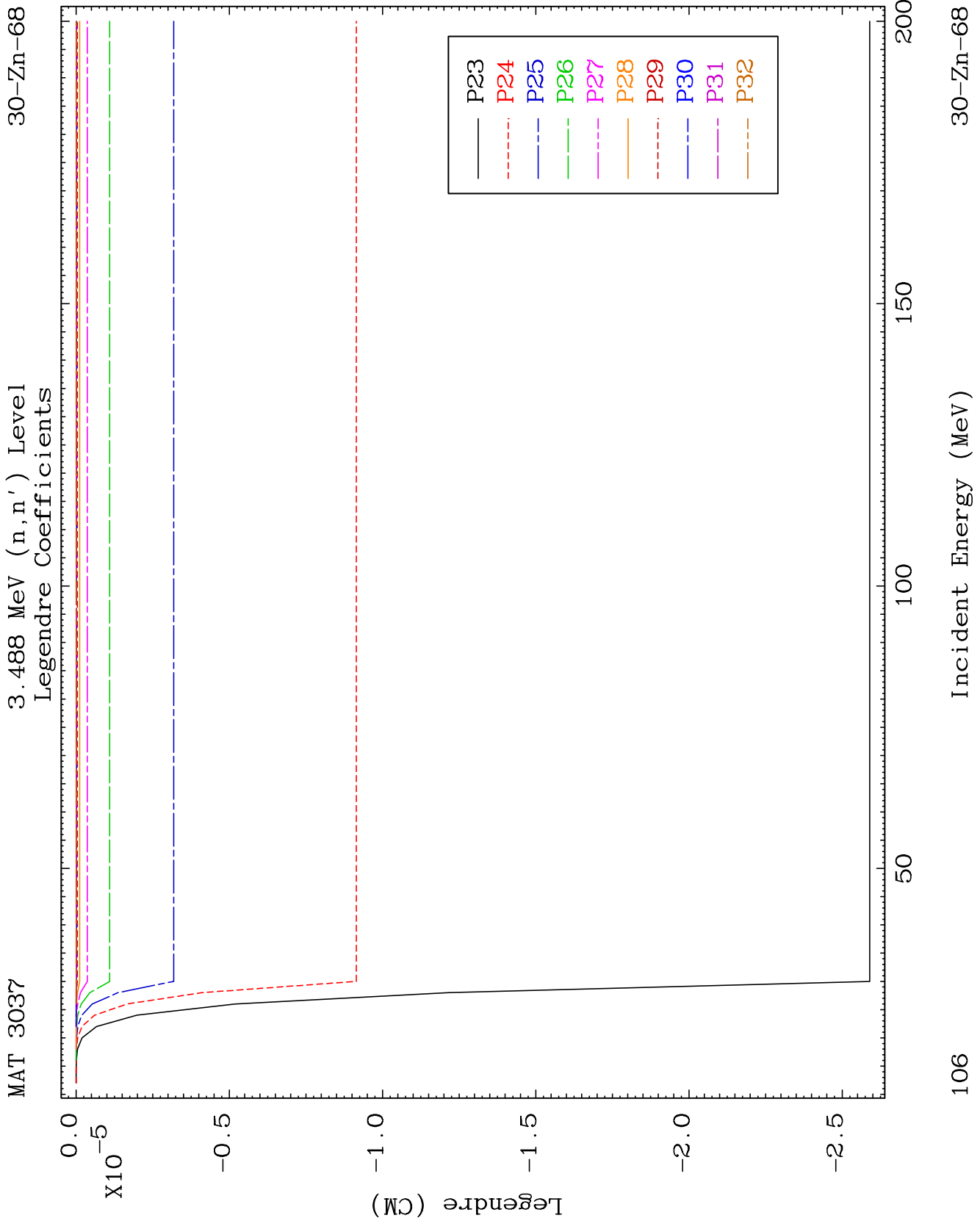
30-Zn-68



105

Incident Energy (MeV)

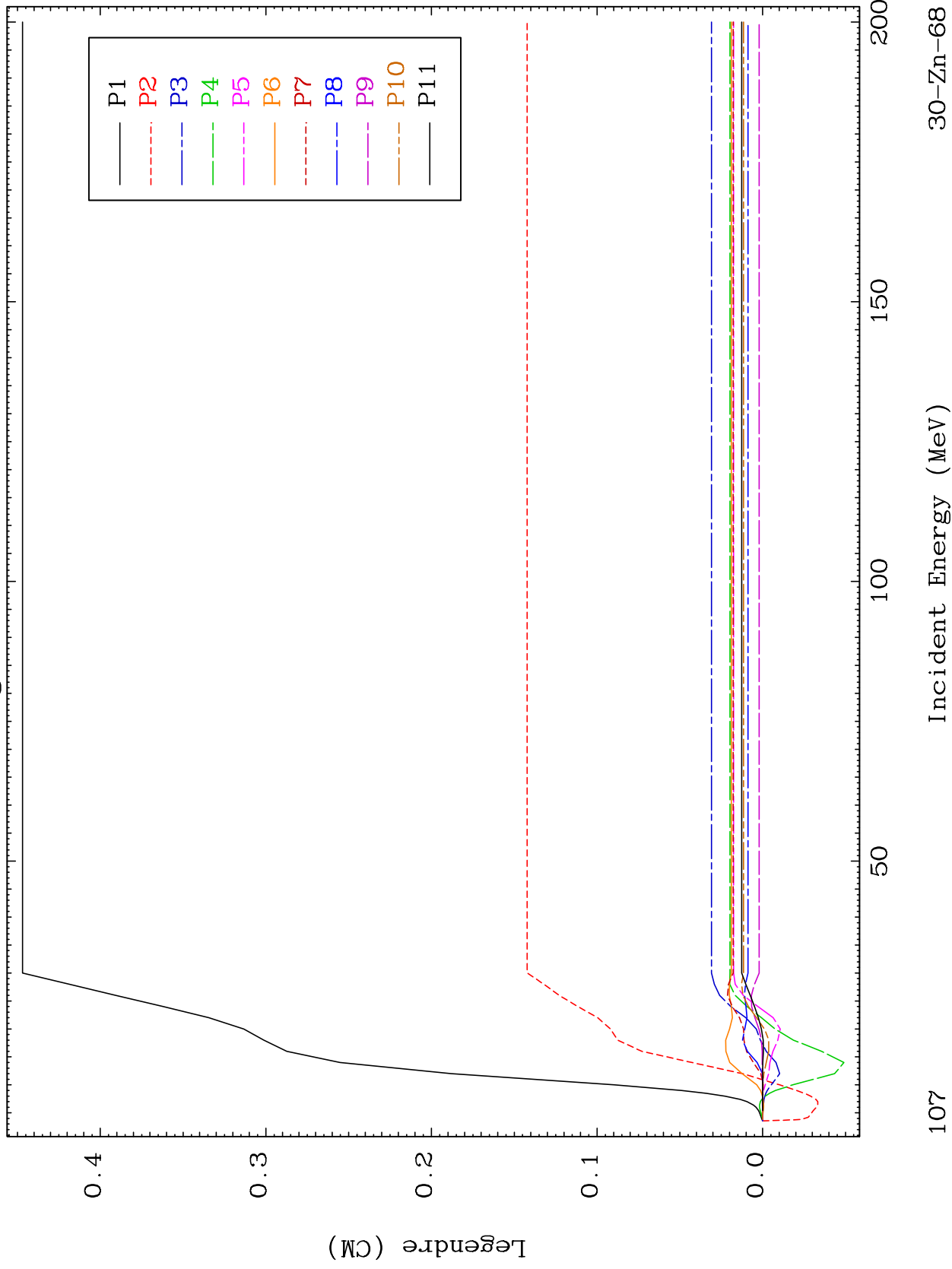
30-Zn-68



MAT 3037

3.496 MeV (n,n') Level
Legendre Coefficients

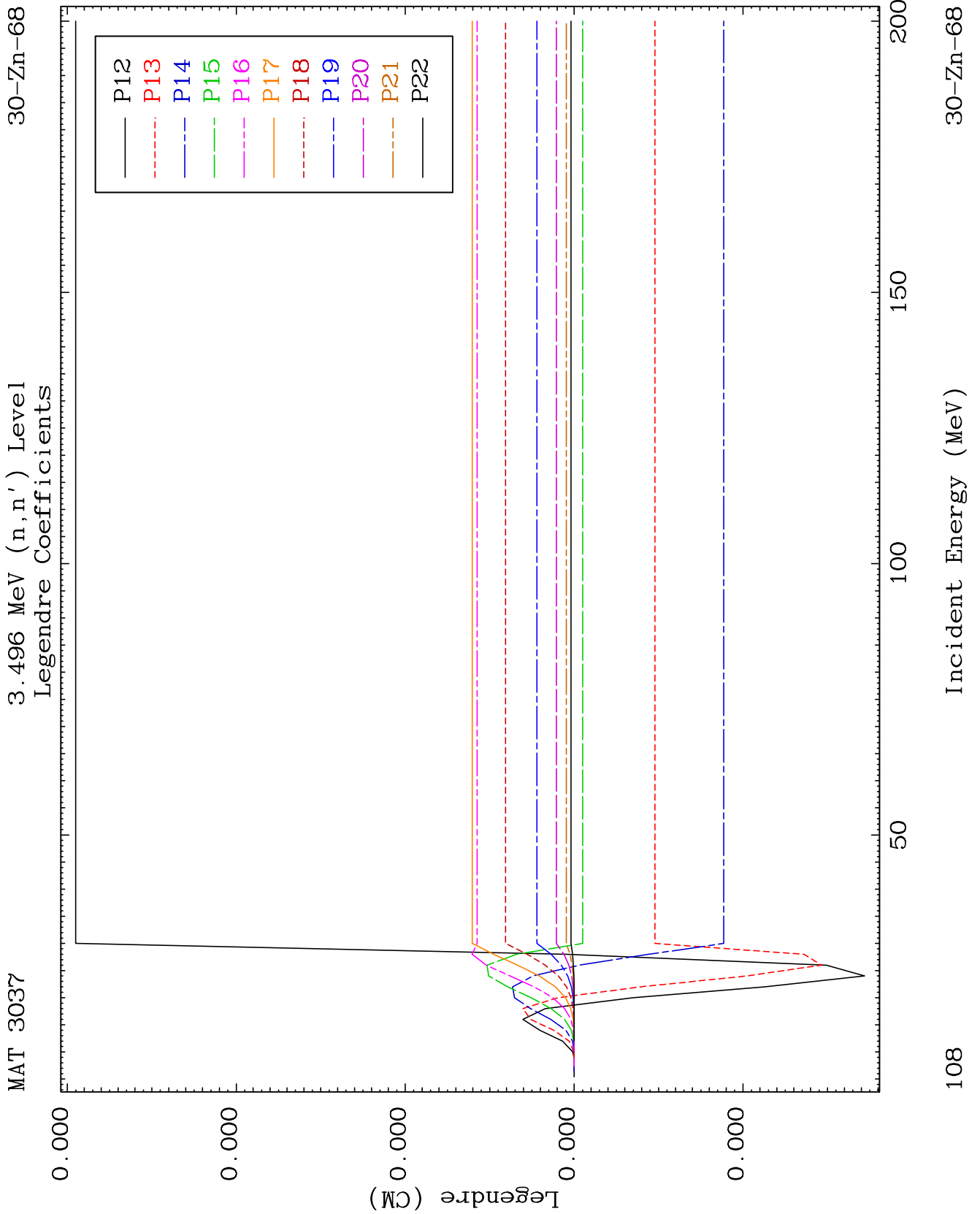
30-Zn-68

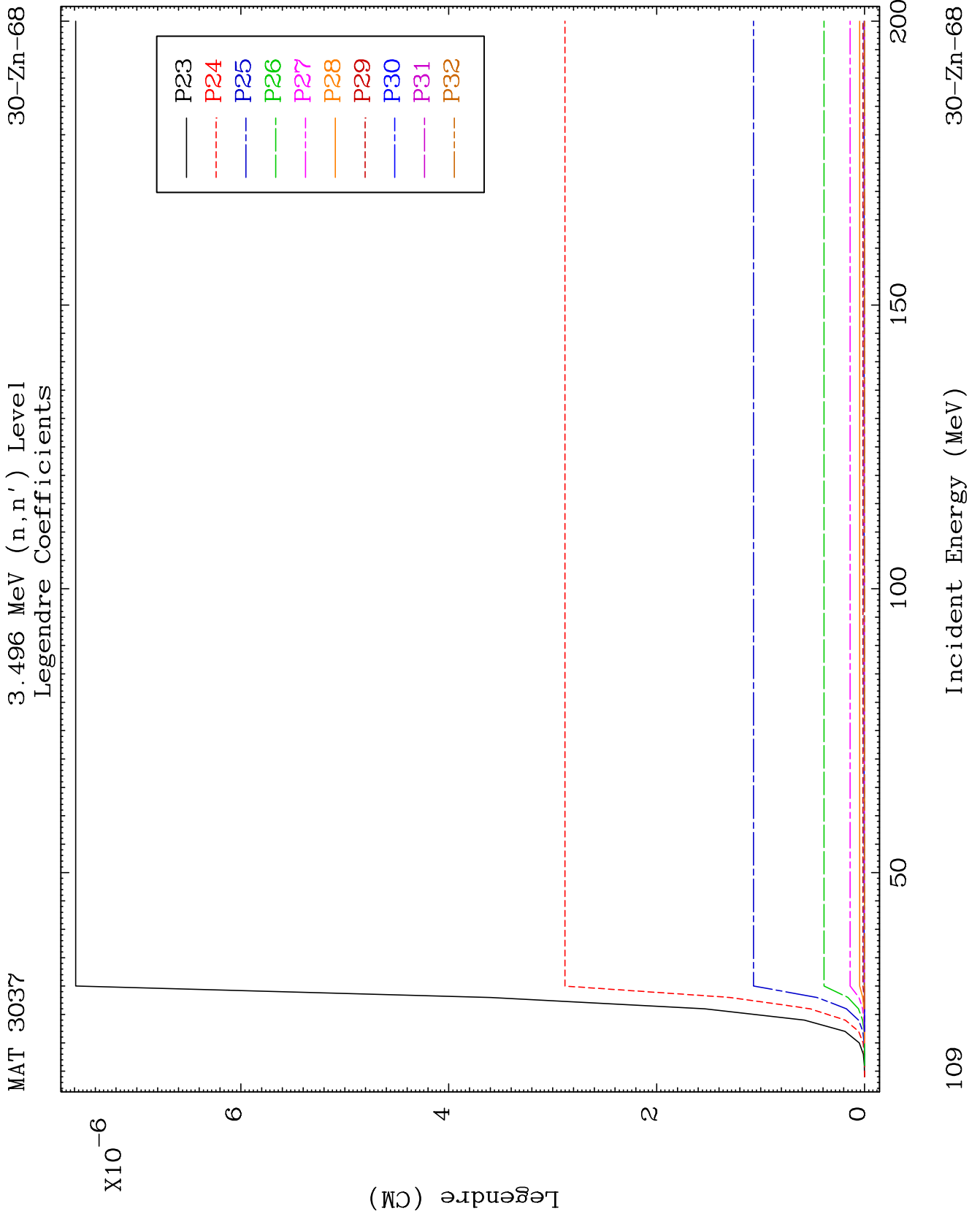


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Incident Energy (MeV)

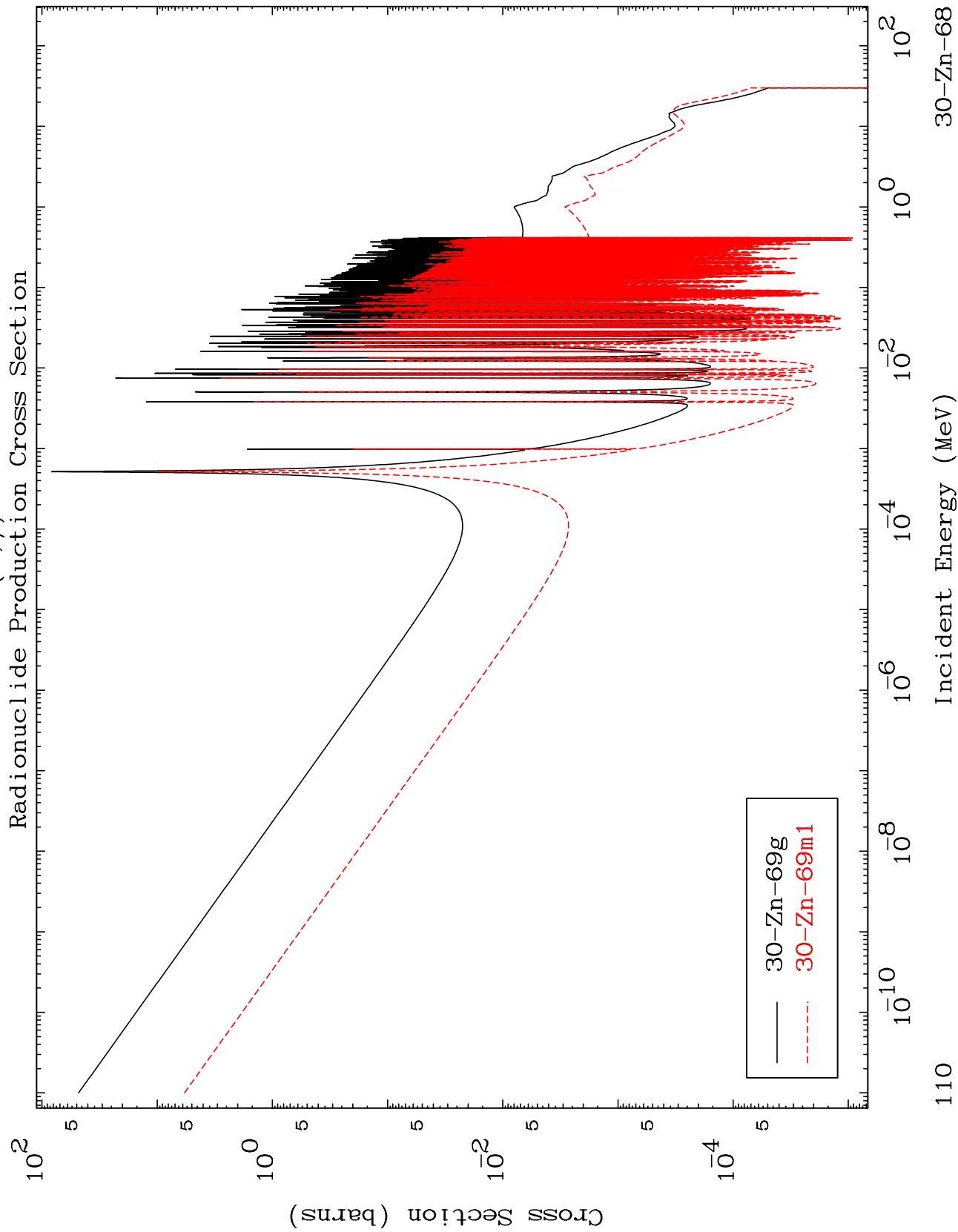
30-Zn-68





MAT 3037

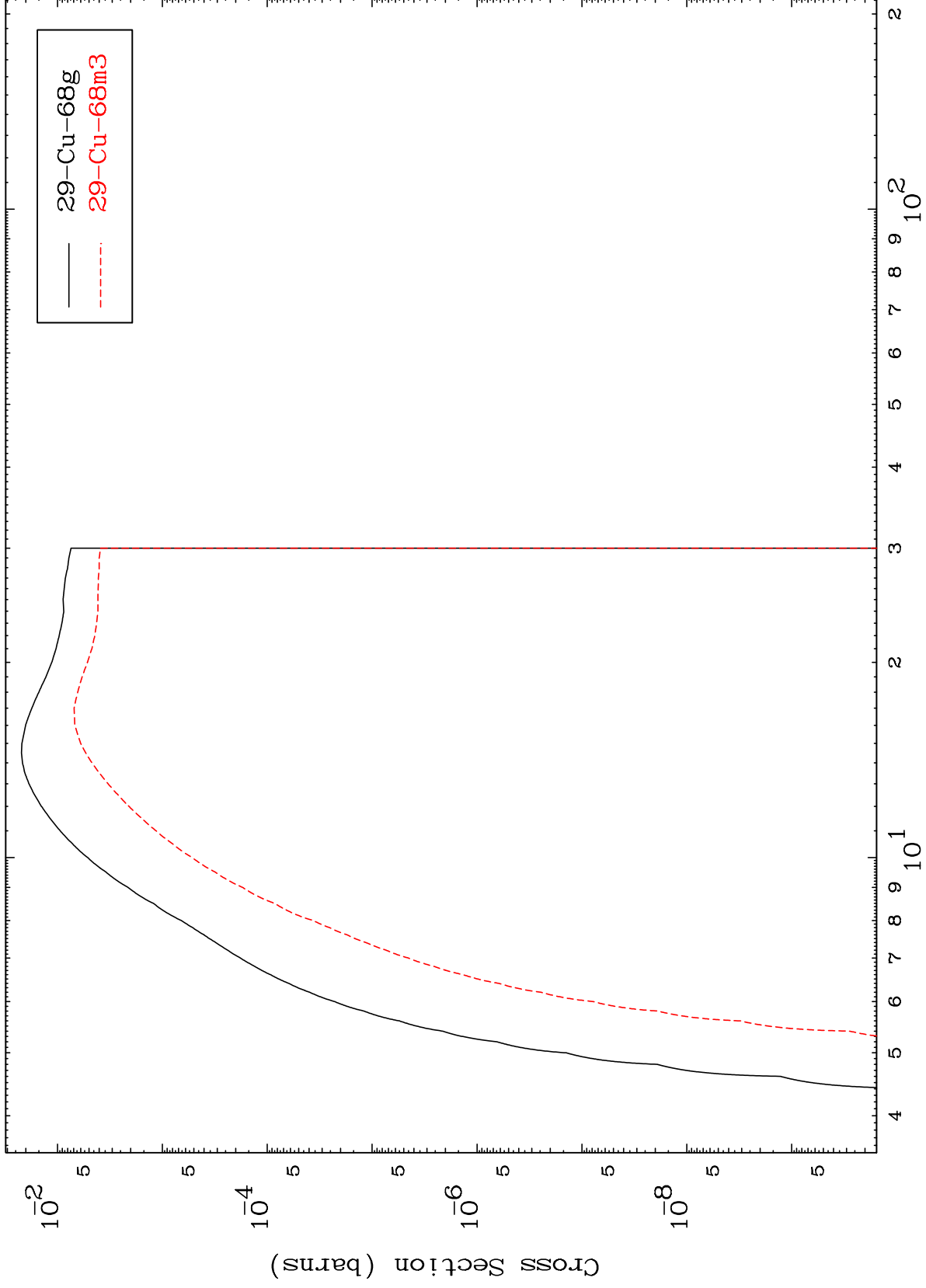
30-Zn-68



MAT 3037

30-Zn-68

(n,p)
Radionuclide Production Cross Section



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Incident Energy (MeV)

30-Zn-68