

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

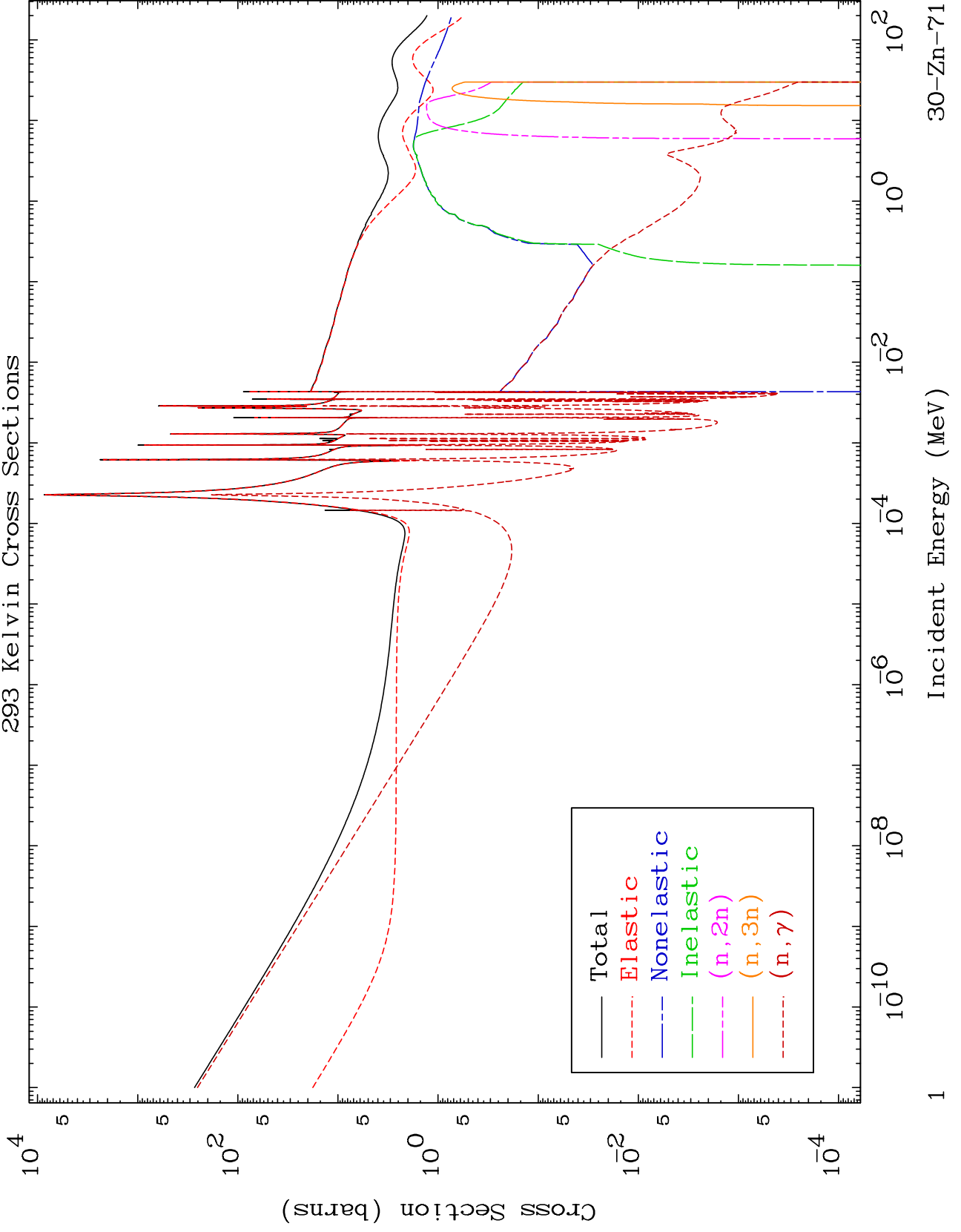
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3046

Neutron Major  
293 Kelvin Cross Sections

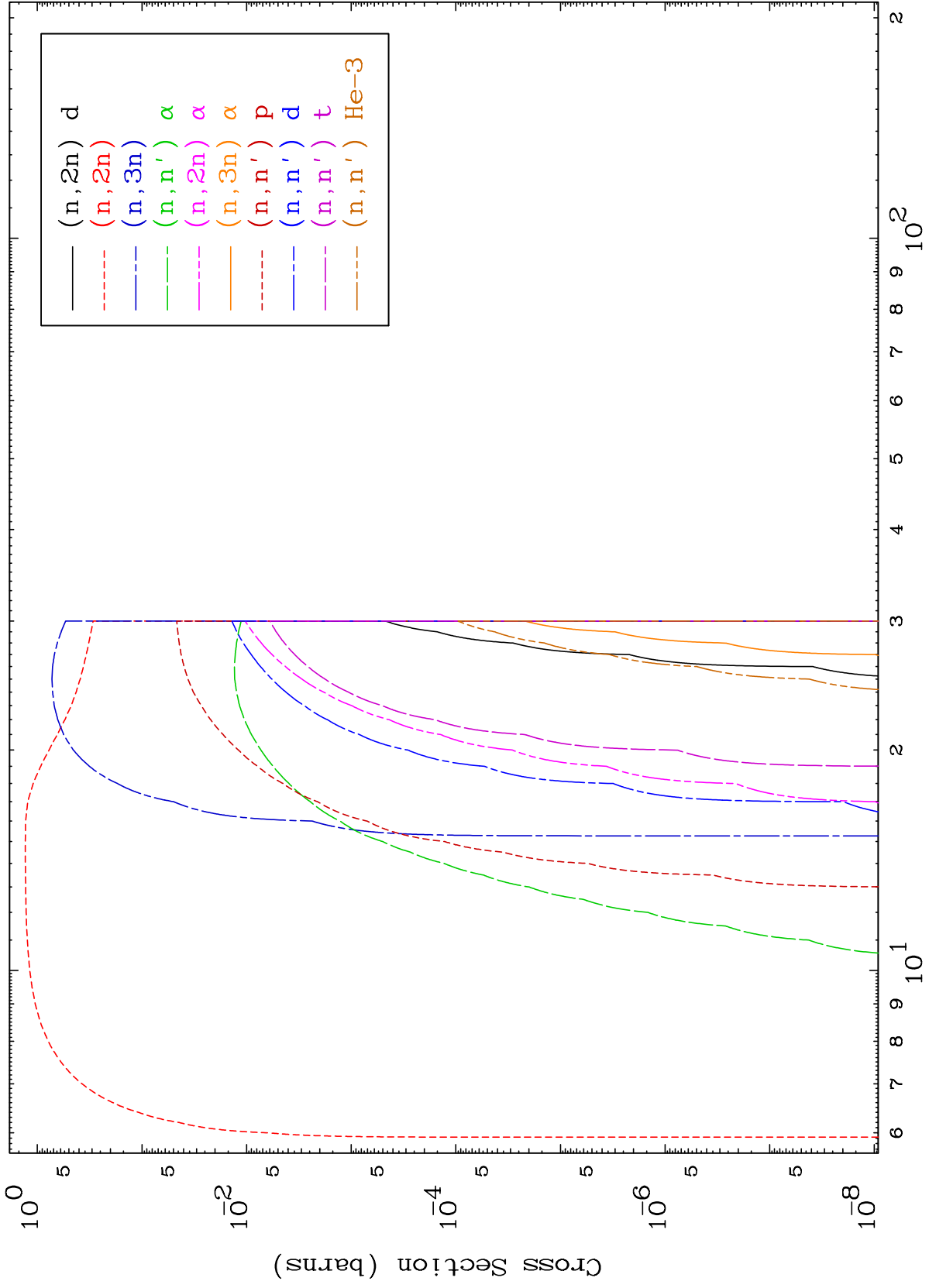
30-Zn-71



MAT 3046

Neutron Absorption  
293 Kelvin Cross Sections

30-Zn-71



2

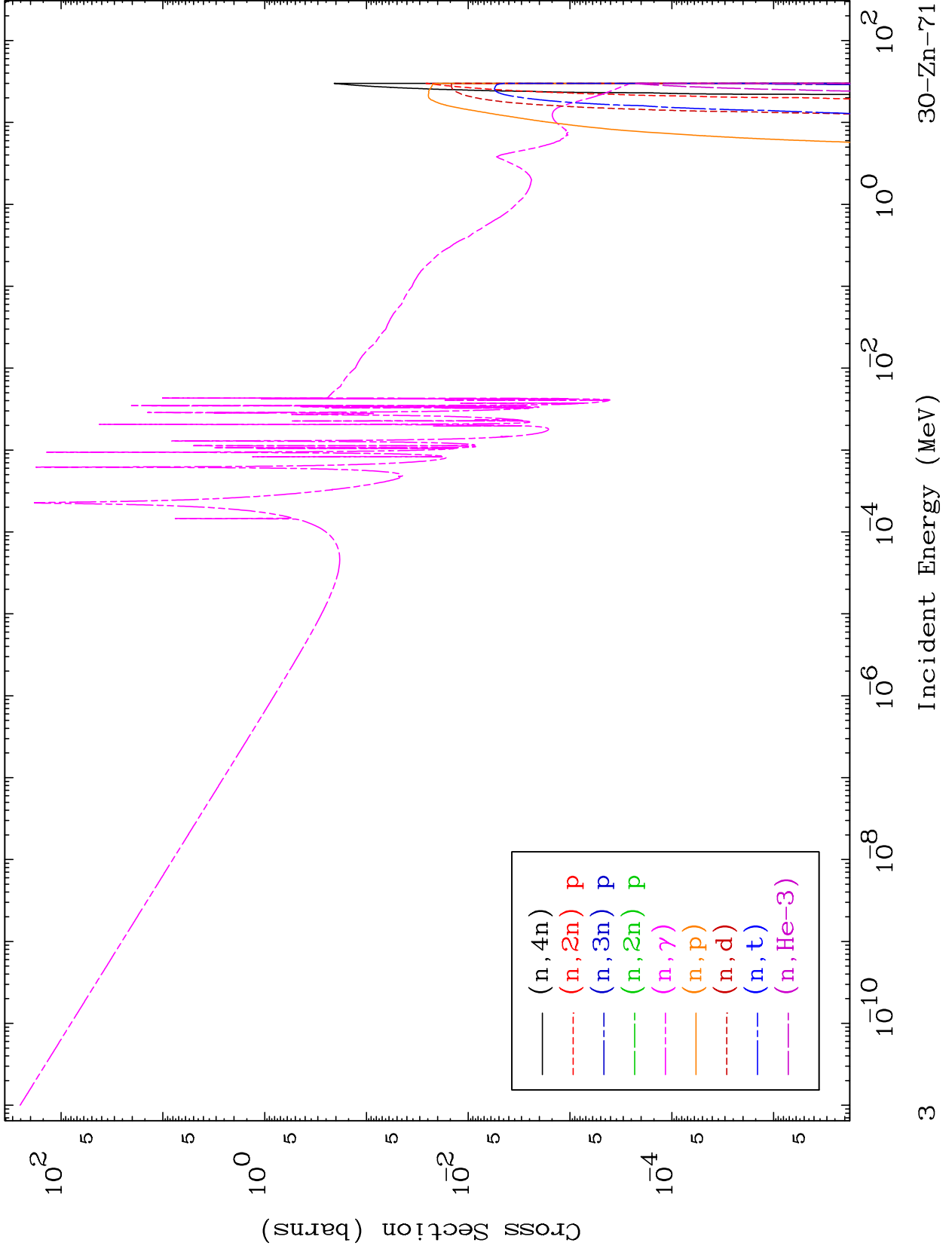
Incident Energy (MeV)

30-Zn-71

MAT 3046

Neutron Absorption  
293 Kelvin Cross Sections

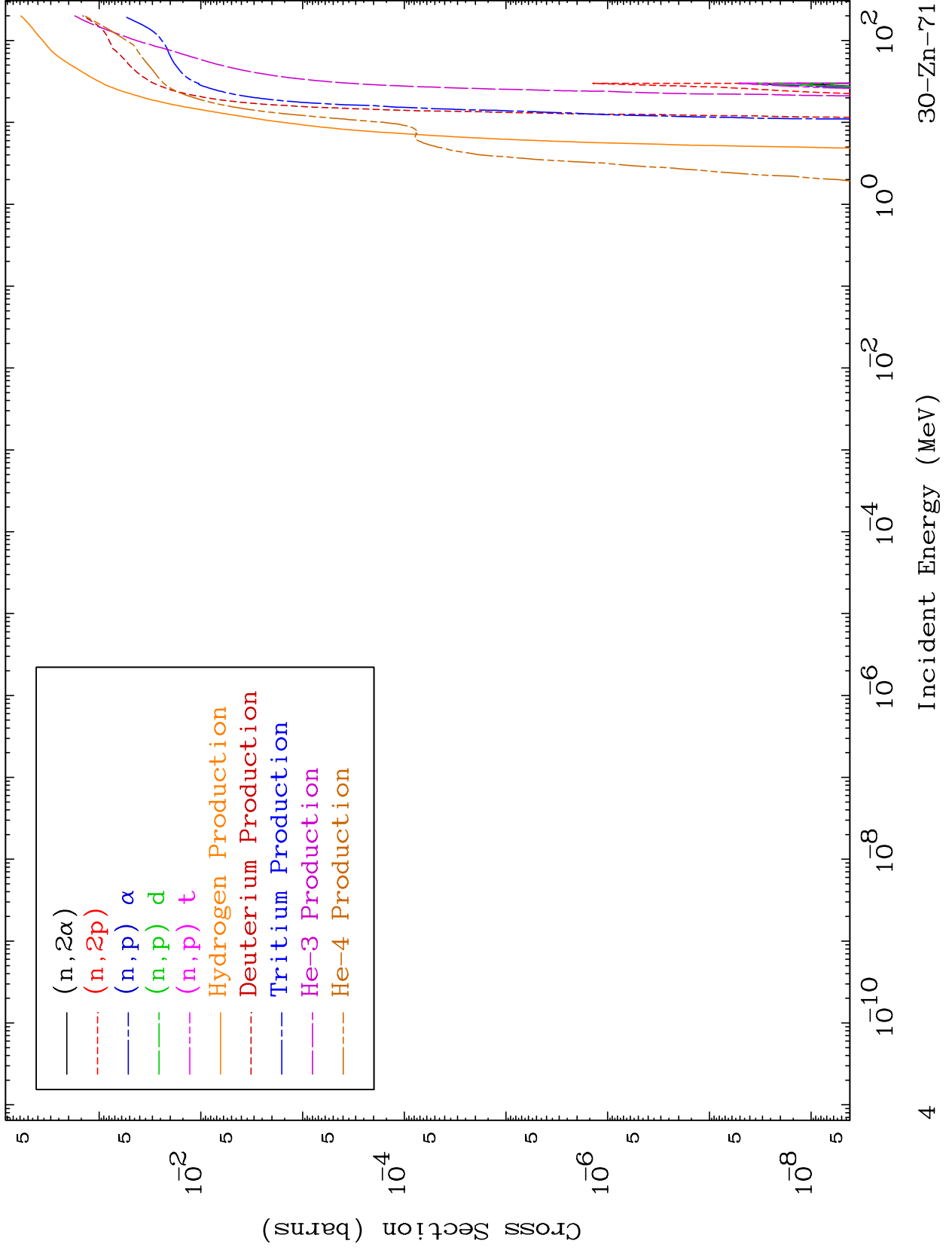
30-Zn-71



MAT 3046

Neutron Absorption  
293 Kelvin Cross Sections

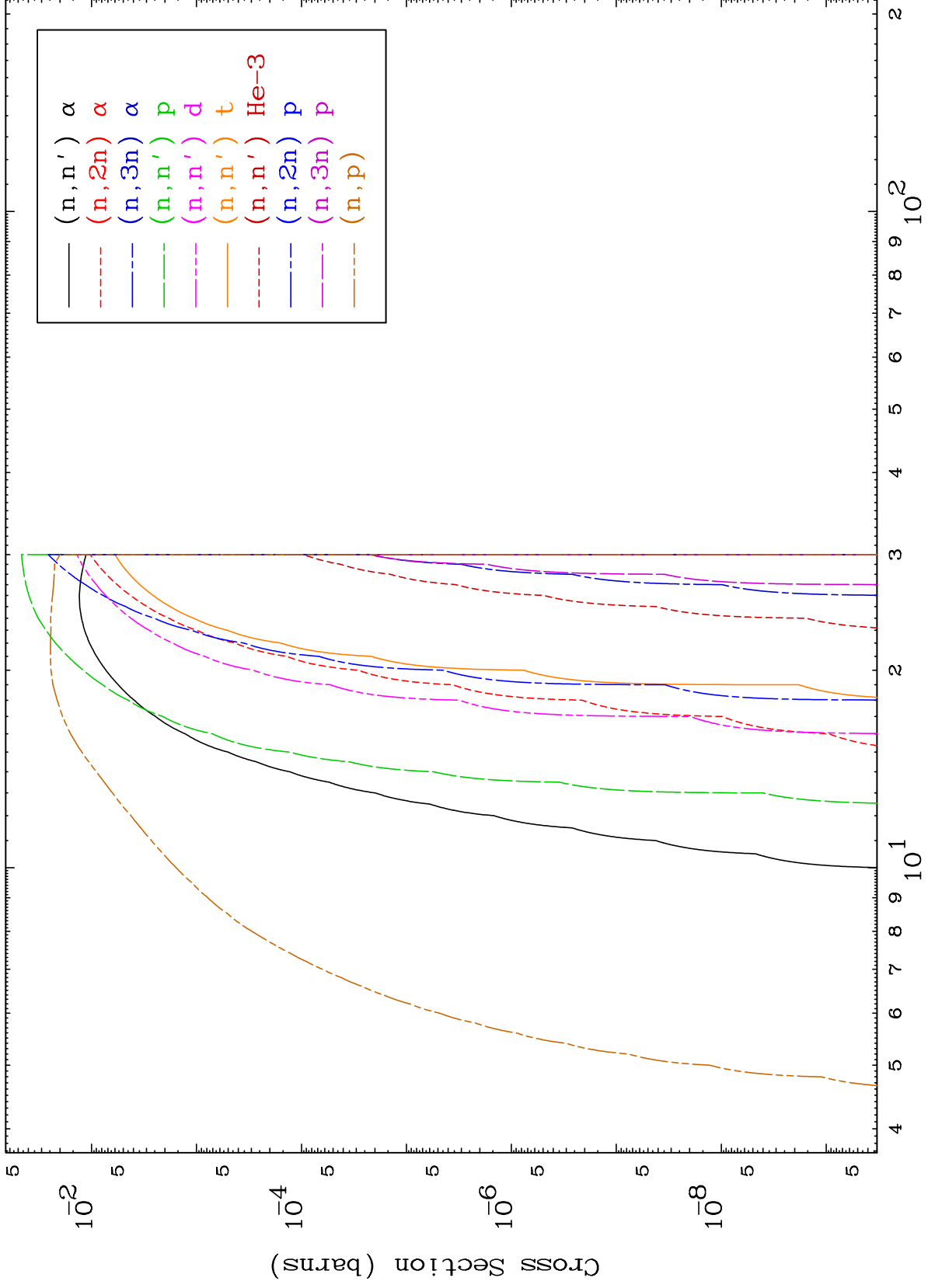
30-Zn-71



MAT 3046

Charged Particle  
293 Kelvin Cross Sections

30-Zn-71



30-Zn-71

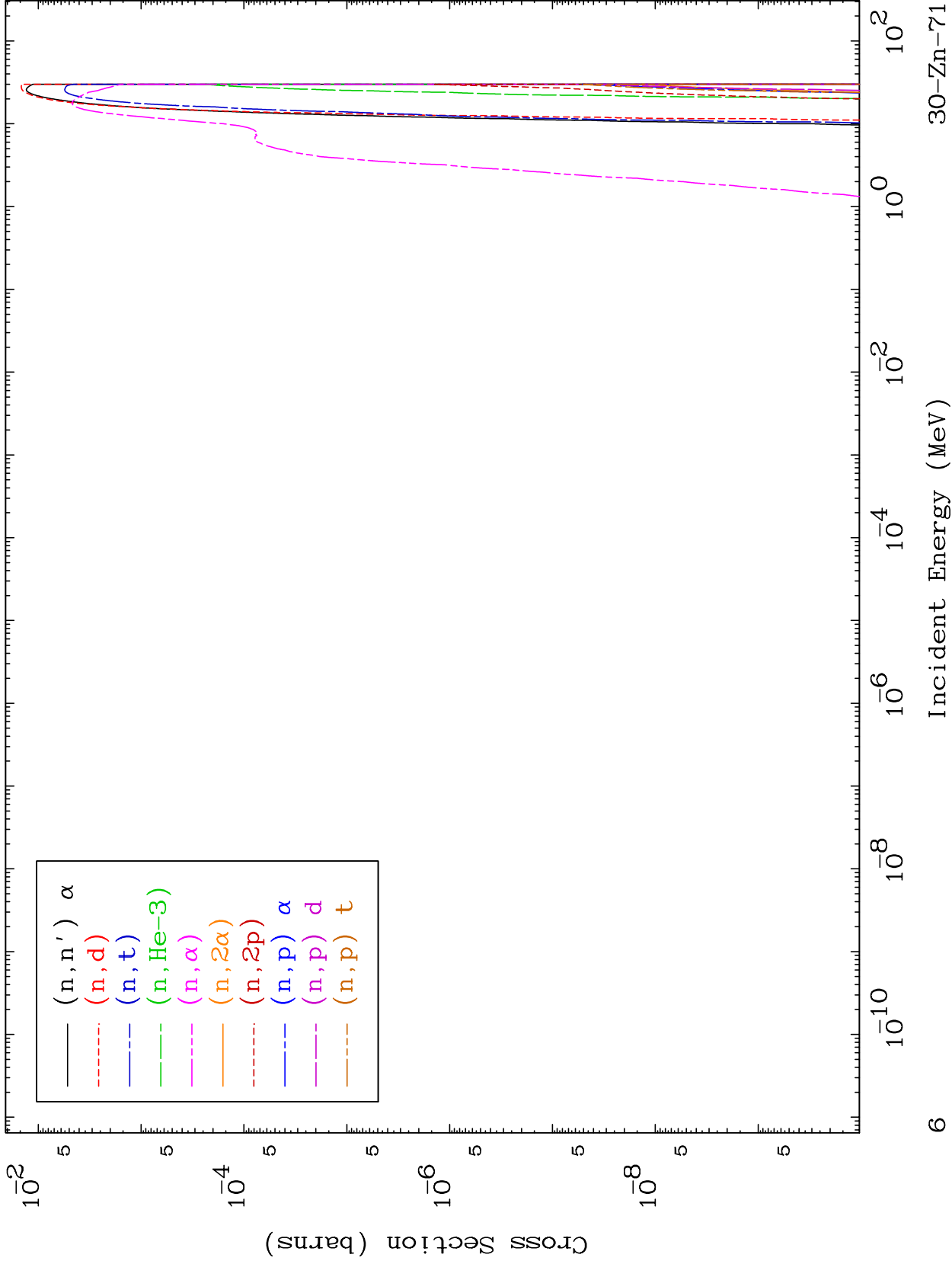
Incident Energy (MeV)

5

MAT 3046

Charged Particle  
293 Kelvin Cross Sections

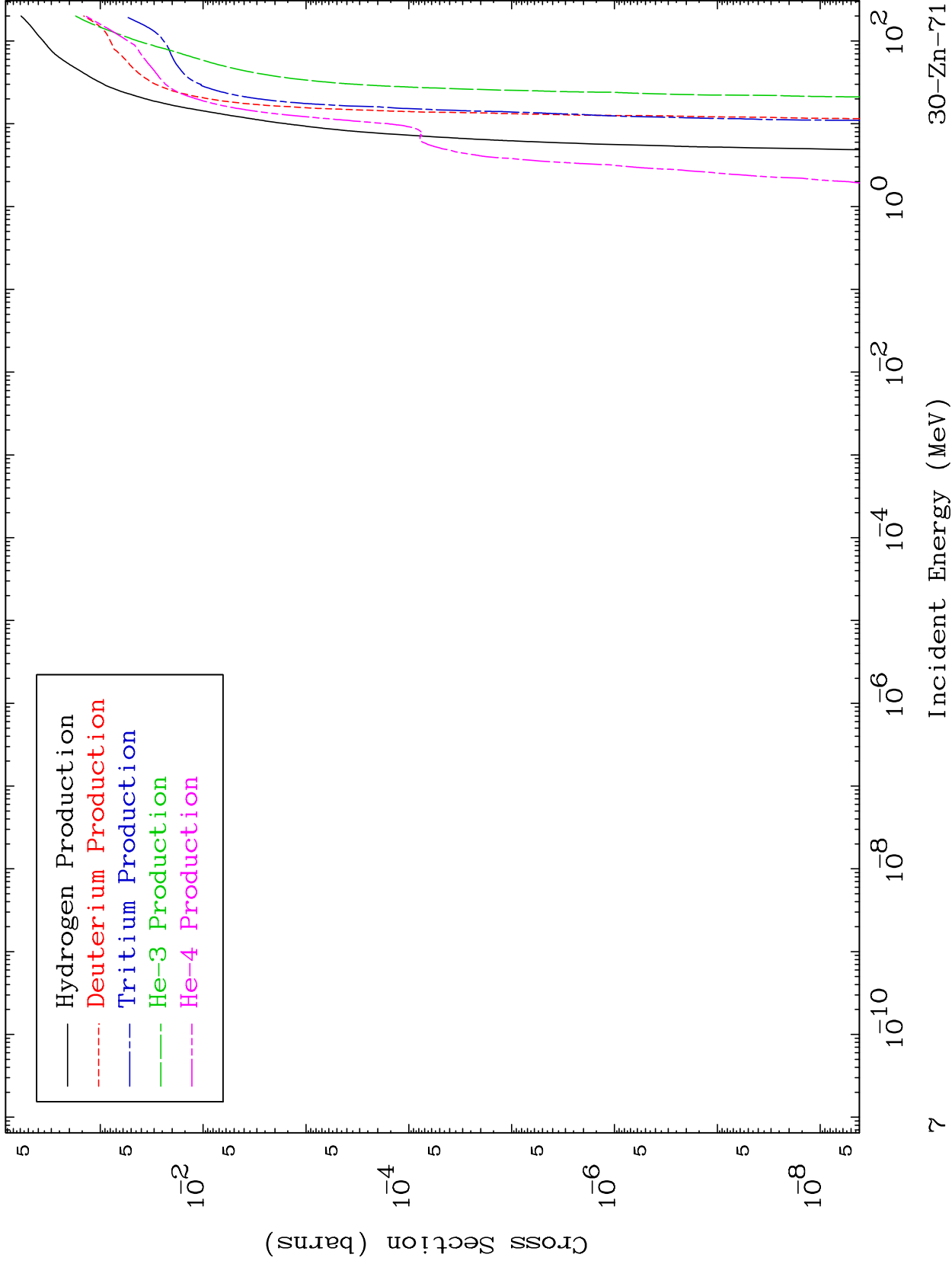
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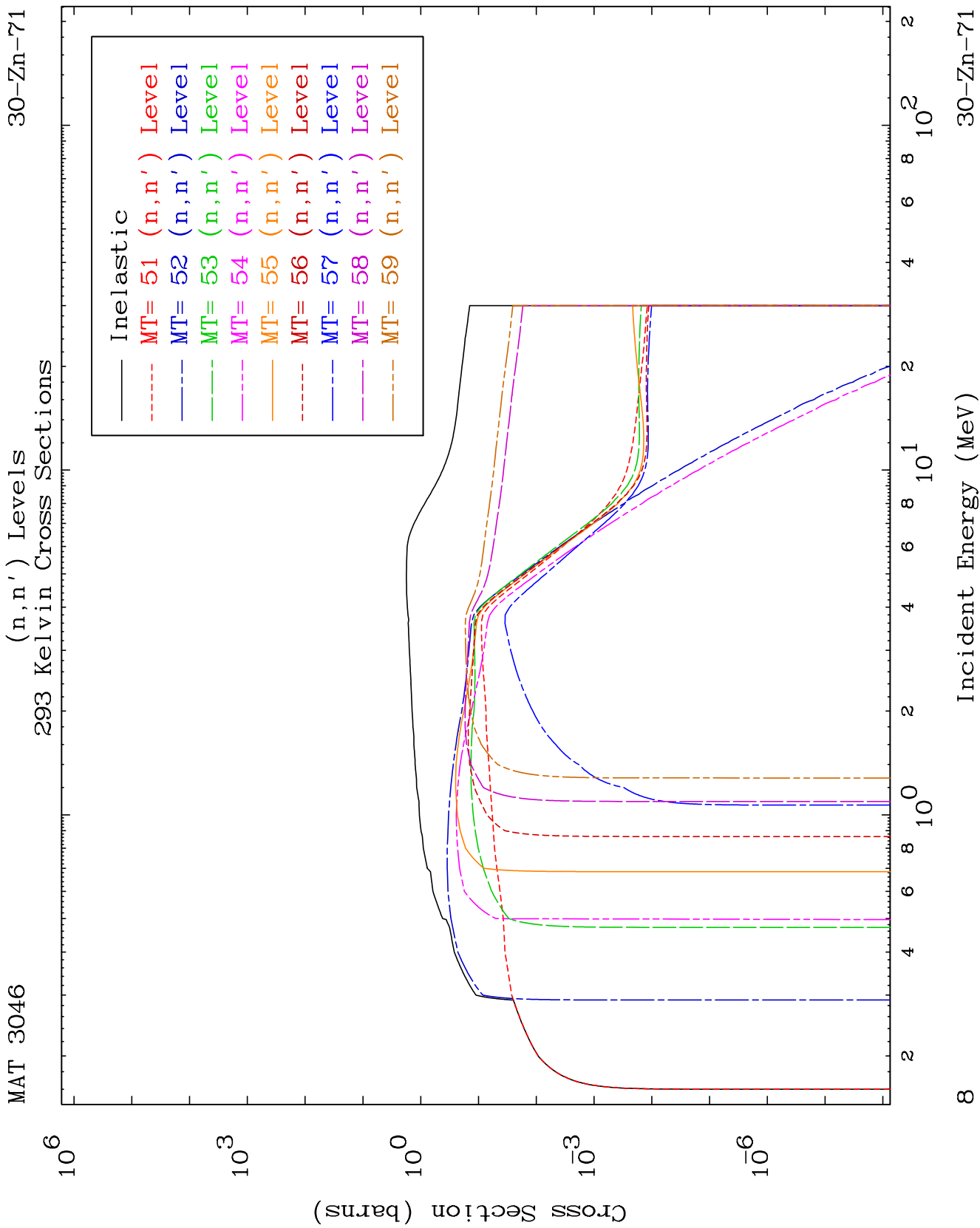


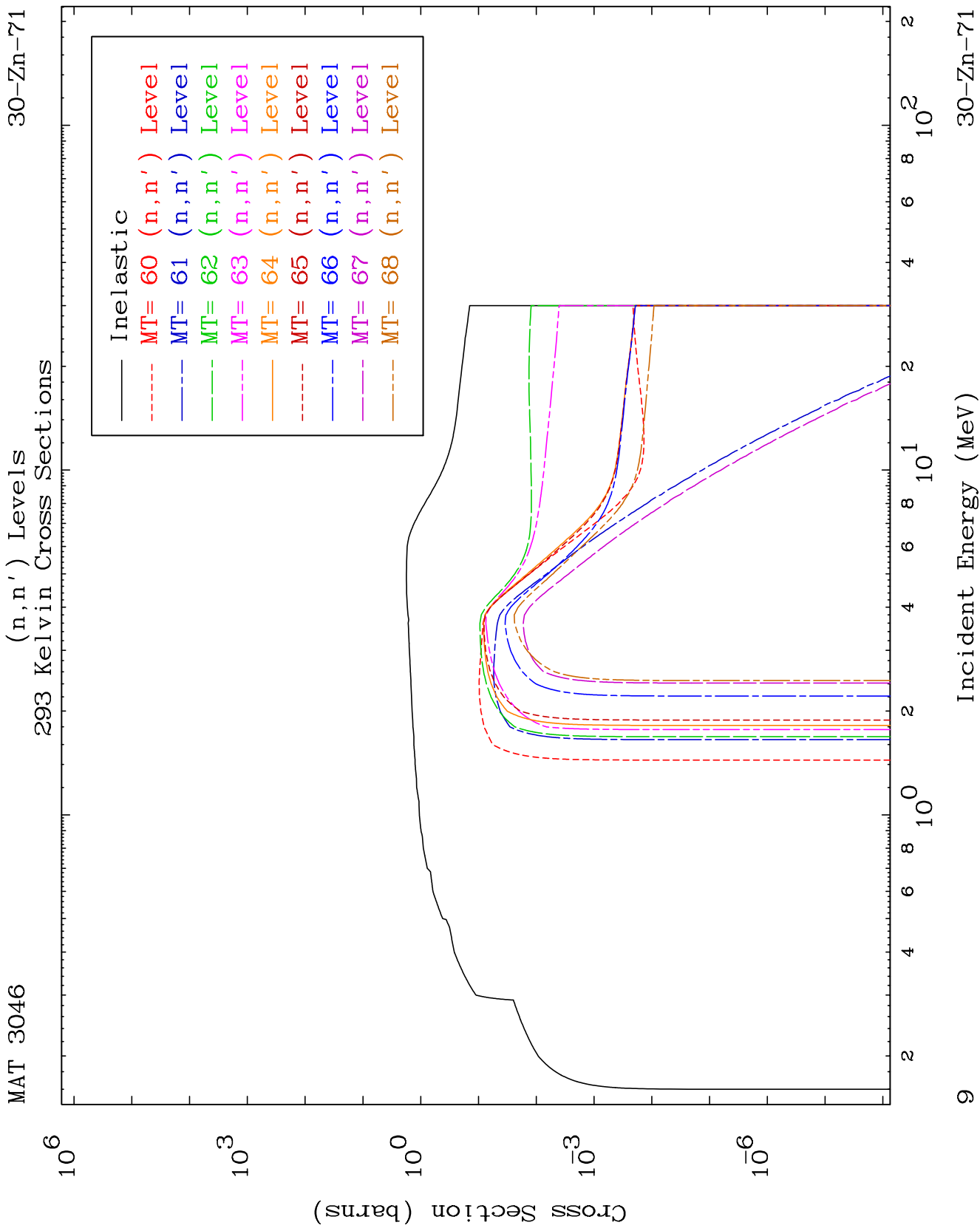
MAT 3046

Particle Production  
293 Kelvin Cross Sections

30-Zn-71



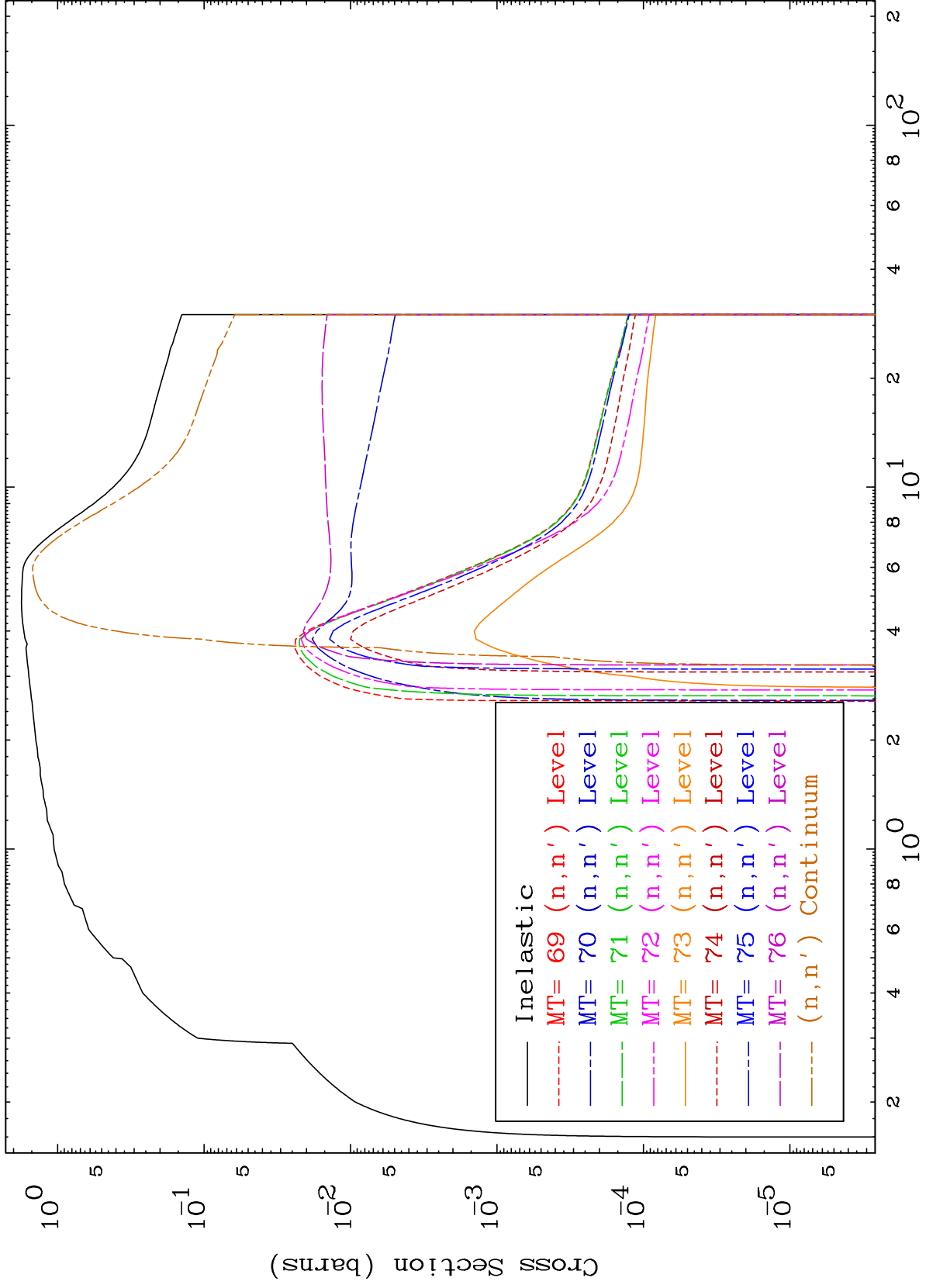




MAT 3046

293 Kelvin Cross Sections  
(n, n') Levels

30-Zn-71



10

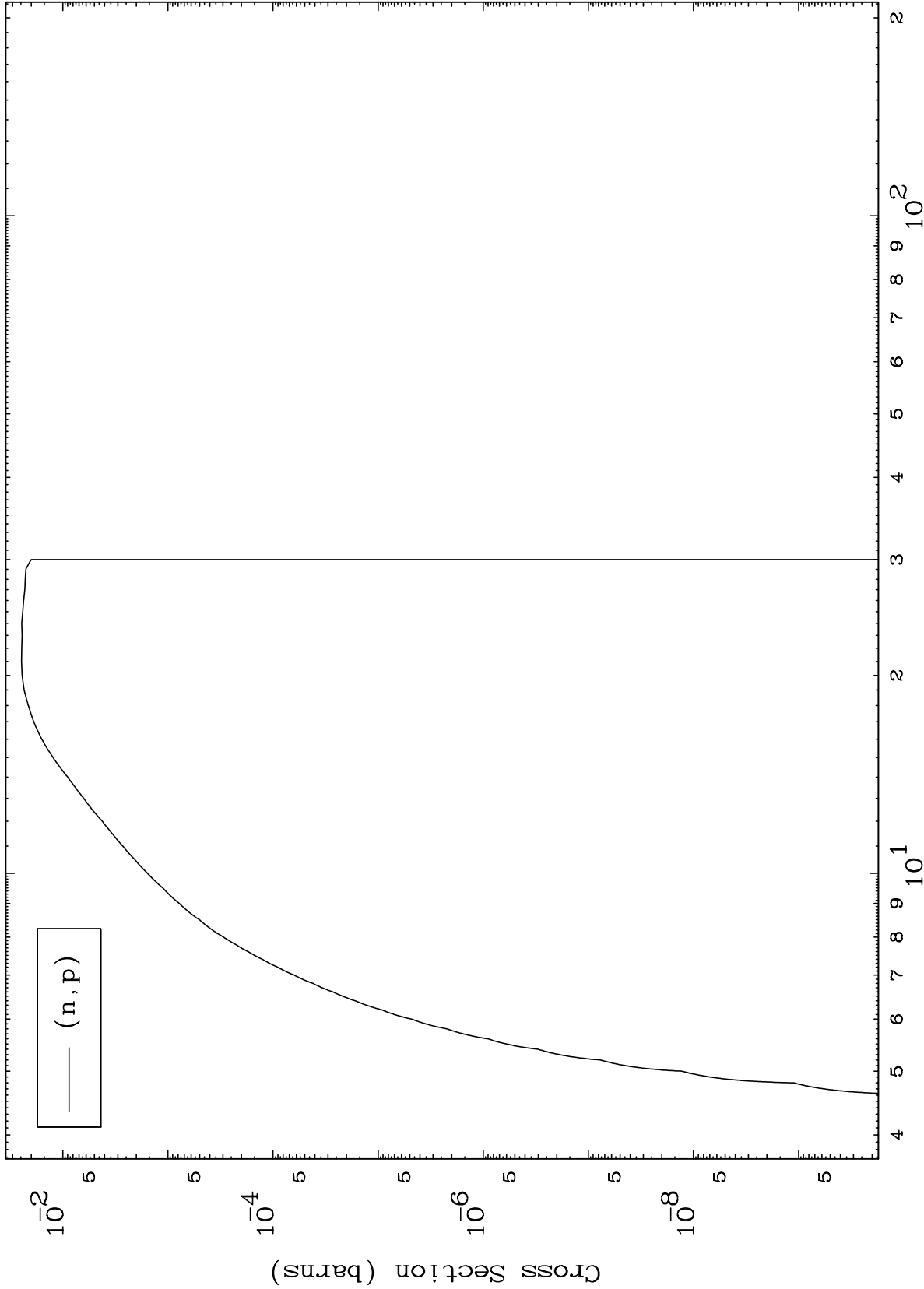
Incident Energy (MeV)

30-Zn-71

MAT 3046

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-71



(n,p)

30-Zn-71

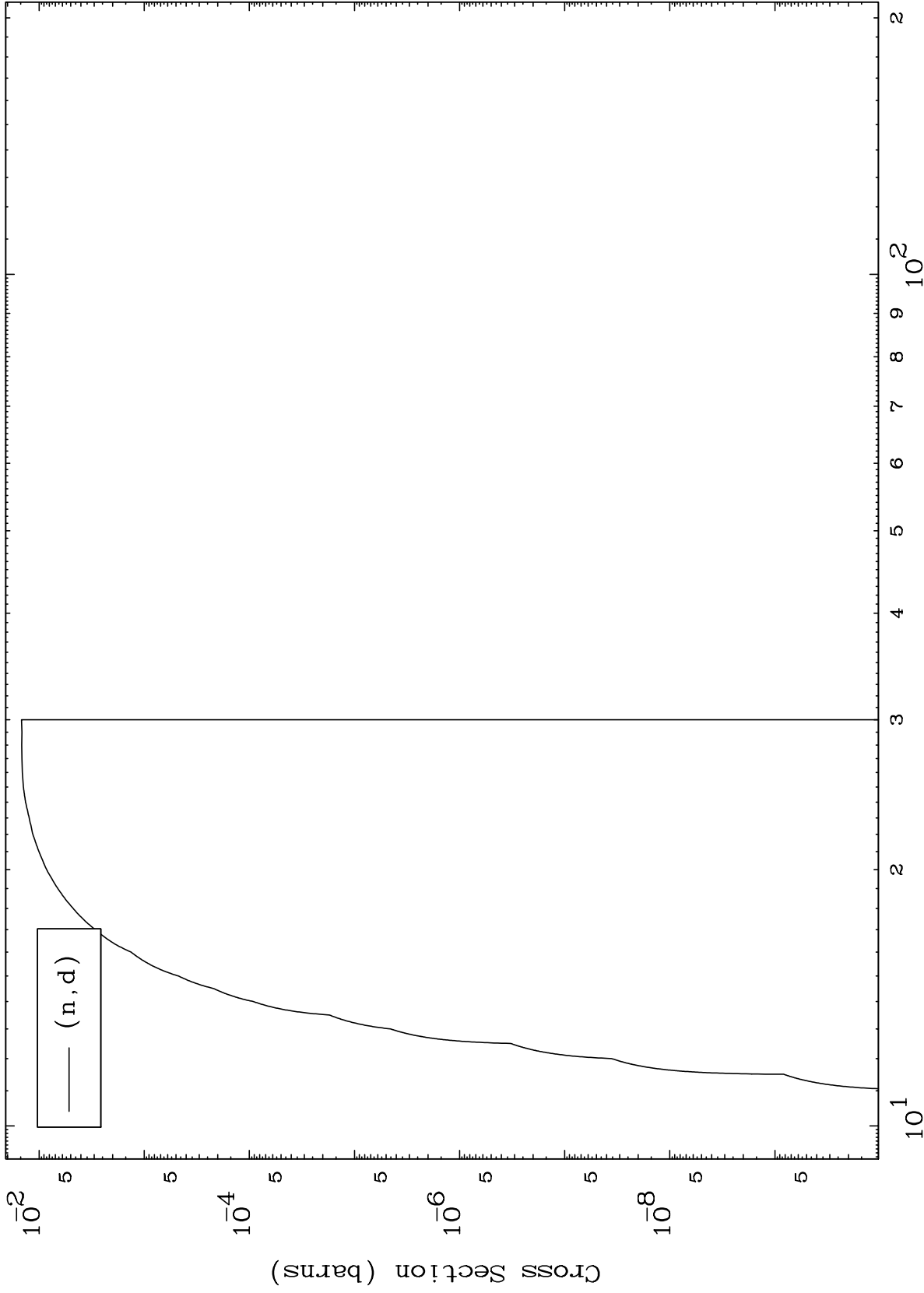
Incident Energy (MeV)

11

MAT 3046

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-71



12

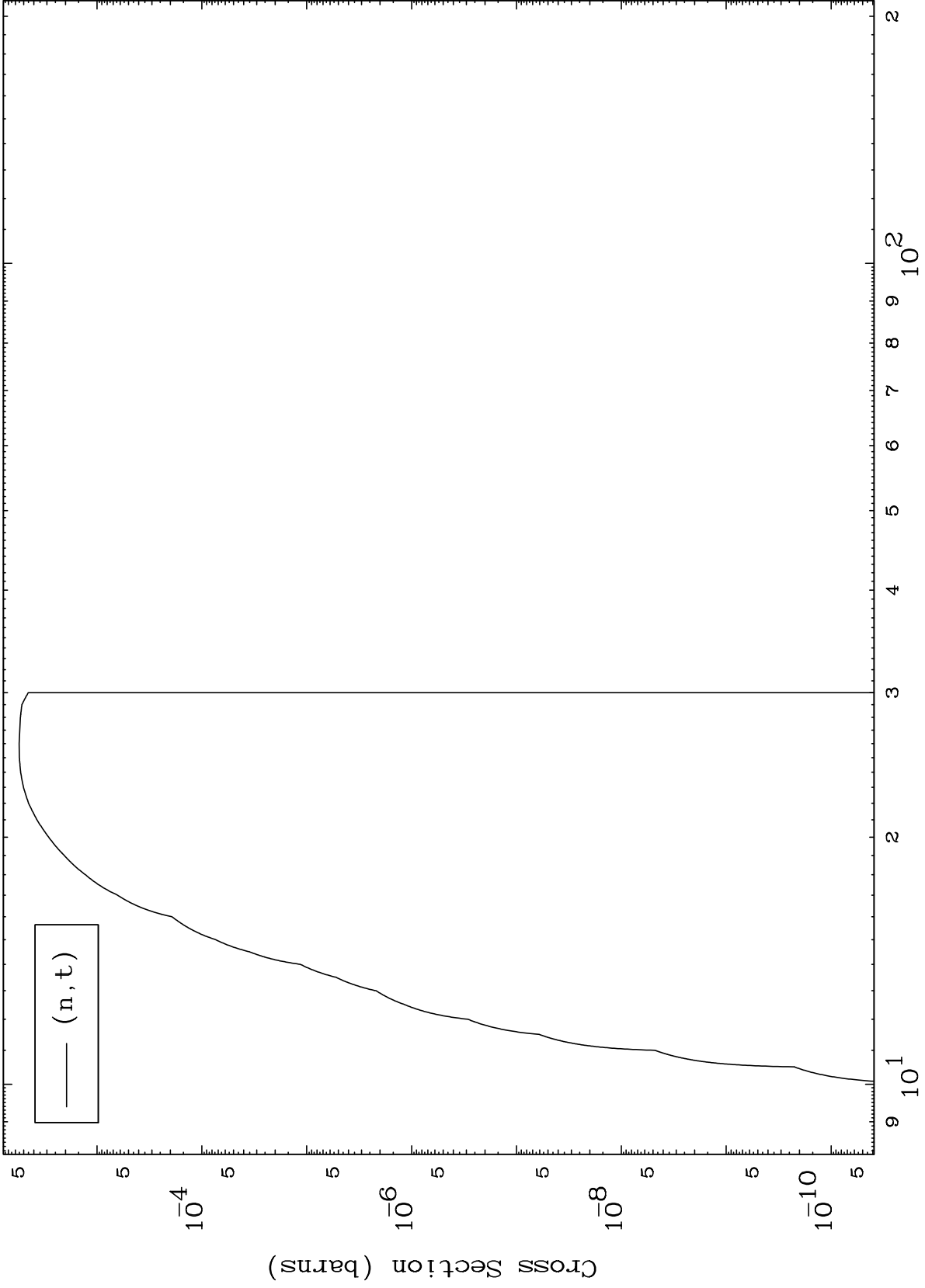
Incident Energy (MeV)

30-Zn-71

MAT 3046

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-71



13

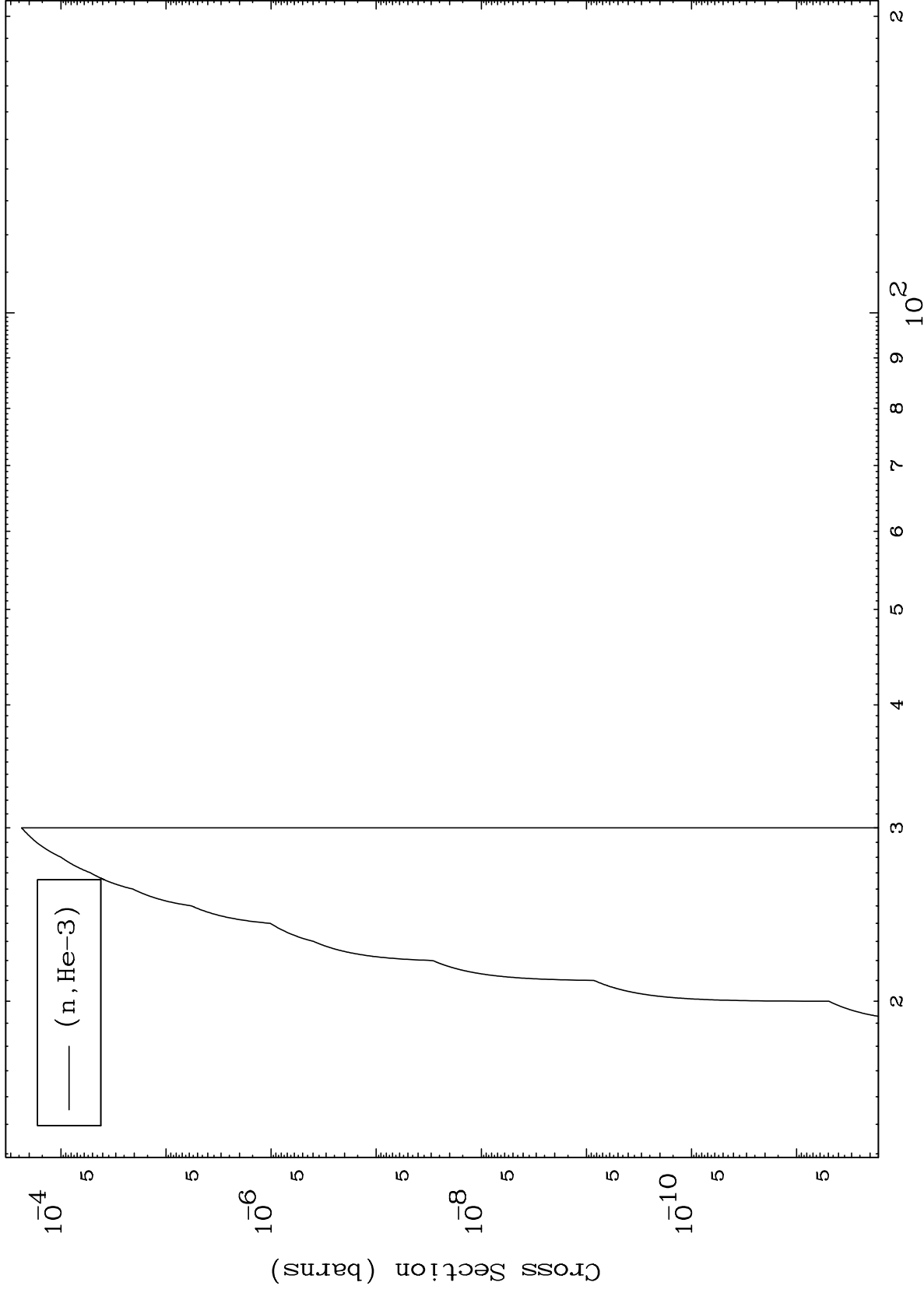
Incident Energy (MeV)

30-Zn-71

MAT 3046

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-71



14

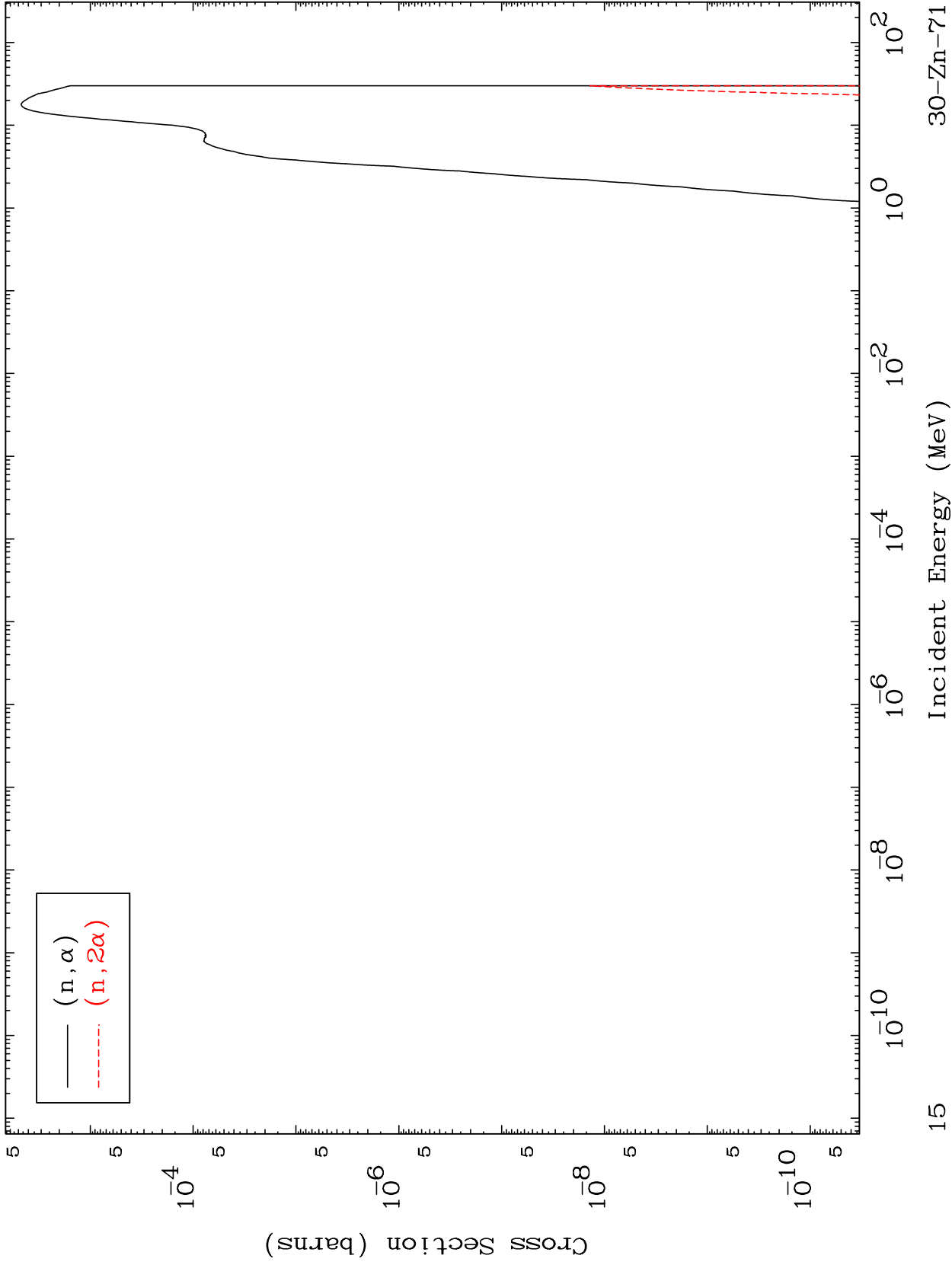
Incident Energy (MeV)

30-Zn-71

MAT 3046

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

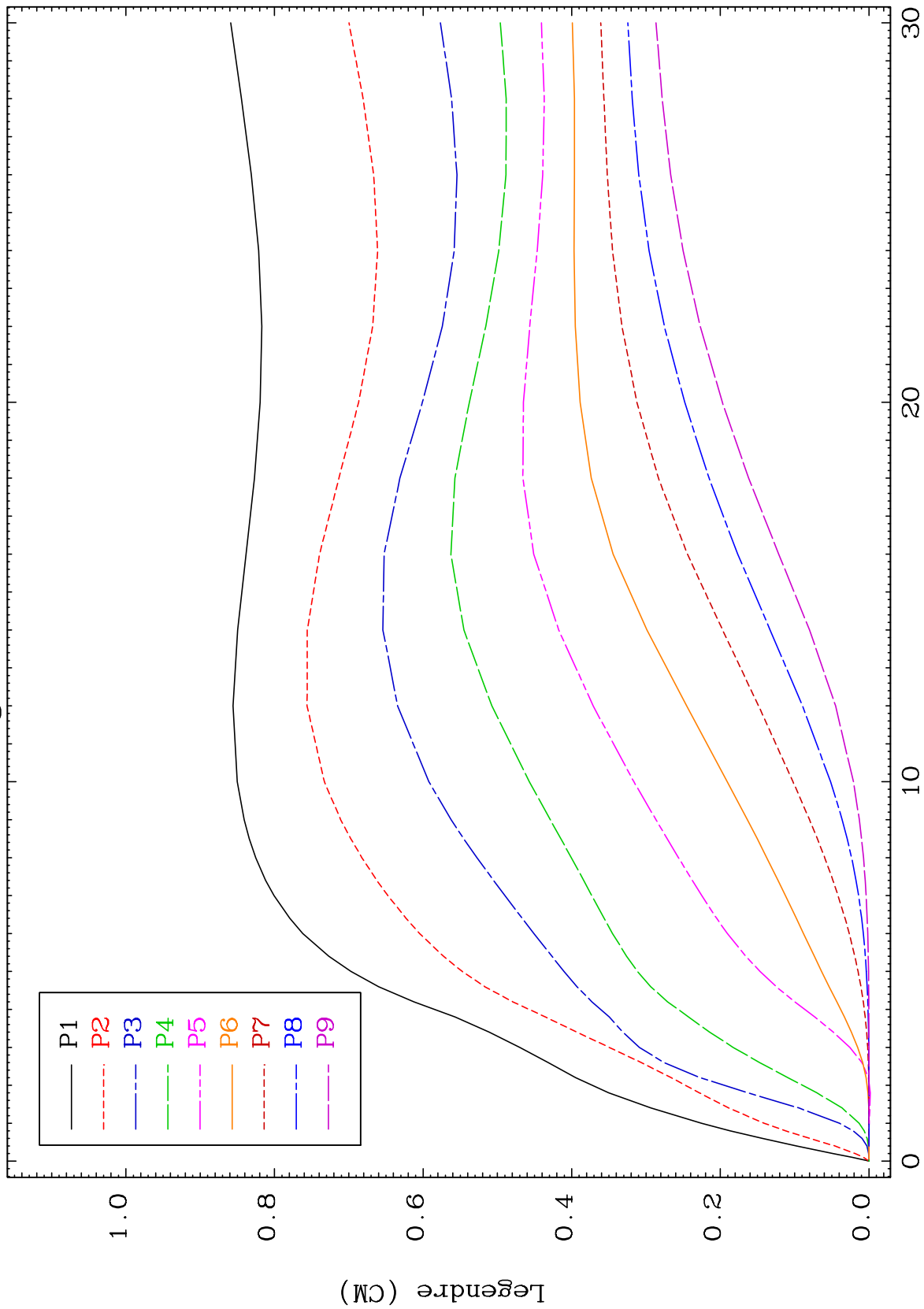
30-Zn-71



MAT 3046

Elastic Legendre Coefficients

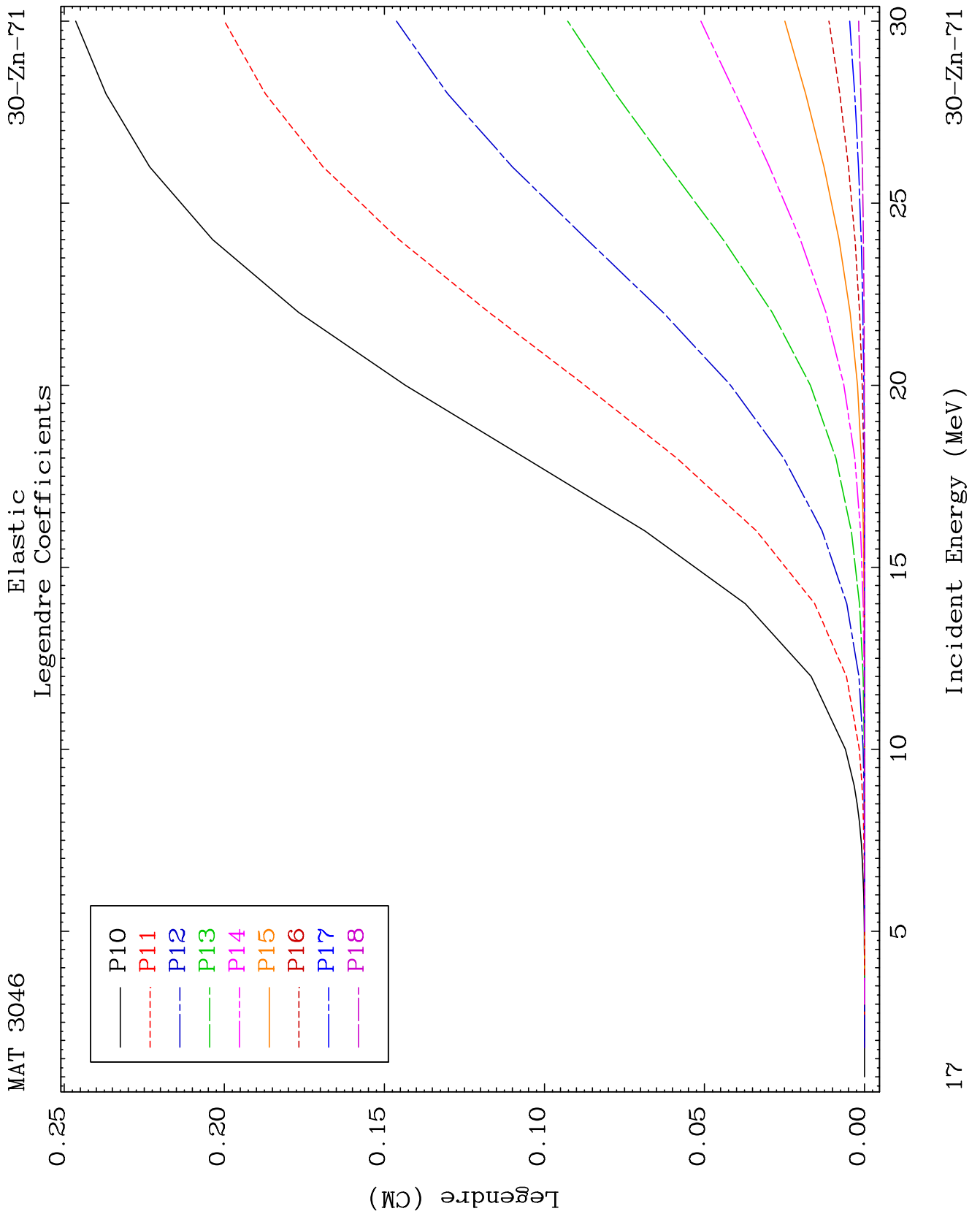
30-Zn-71



16

Incident Energy (MeV)

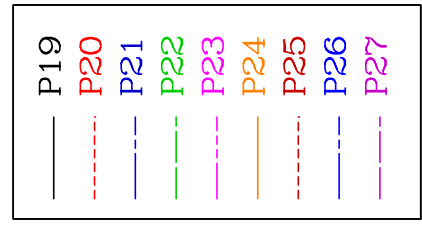
30-Zn-71



MAT 3046

Elastic  
Legendre Coefficients

30-Zn-71



$\times 10^{-4}$

Legendre (CM)

6

4

2

0

10

15

20

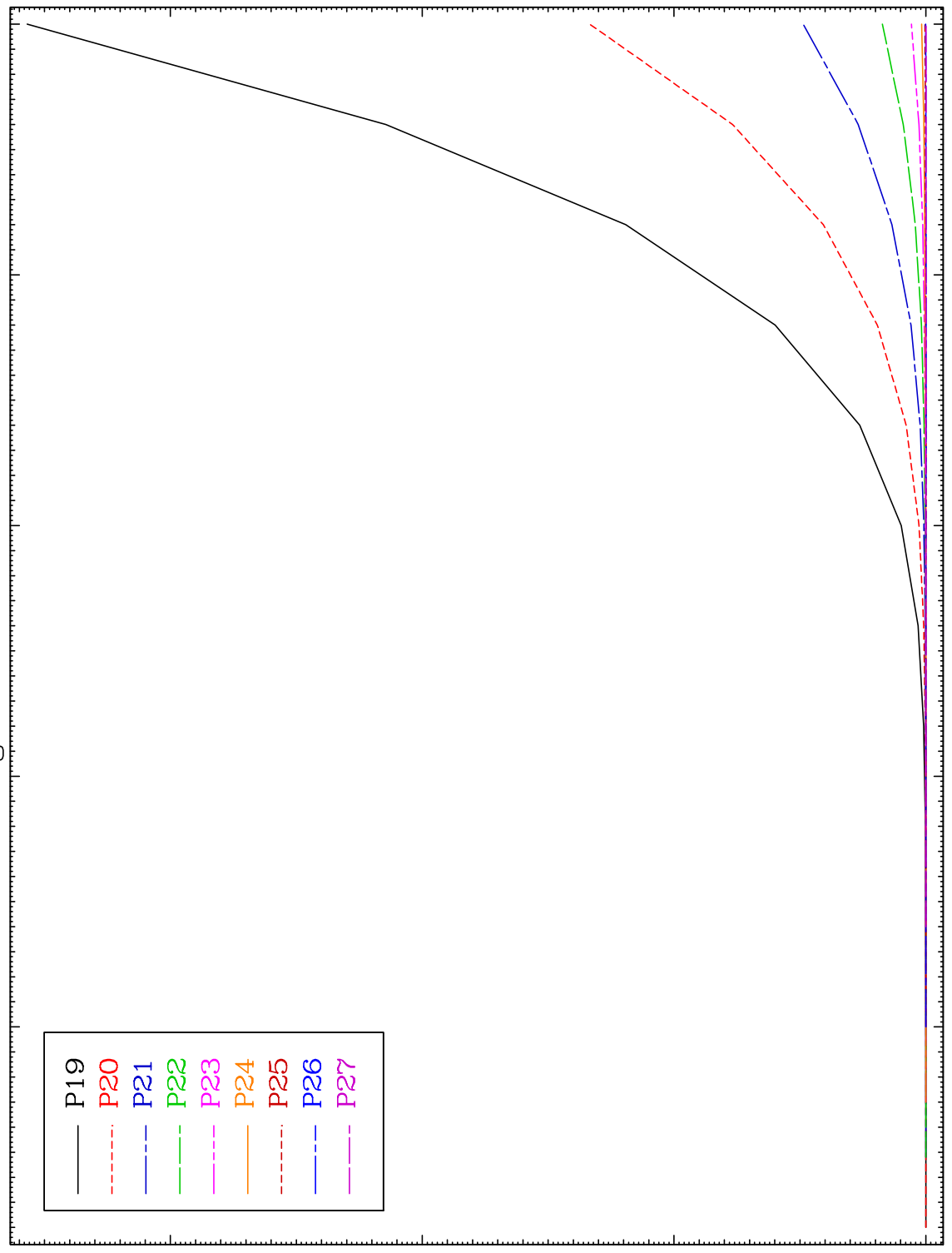
25

30

18

Incident Energy (MeV)

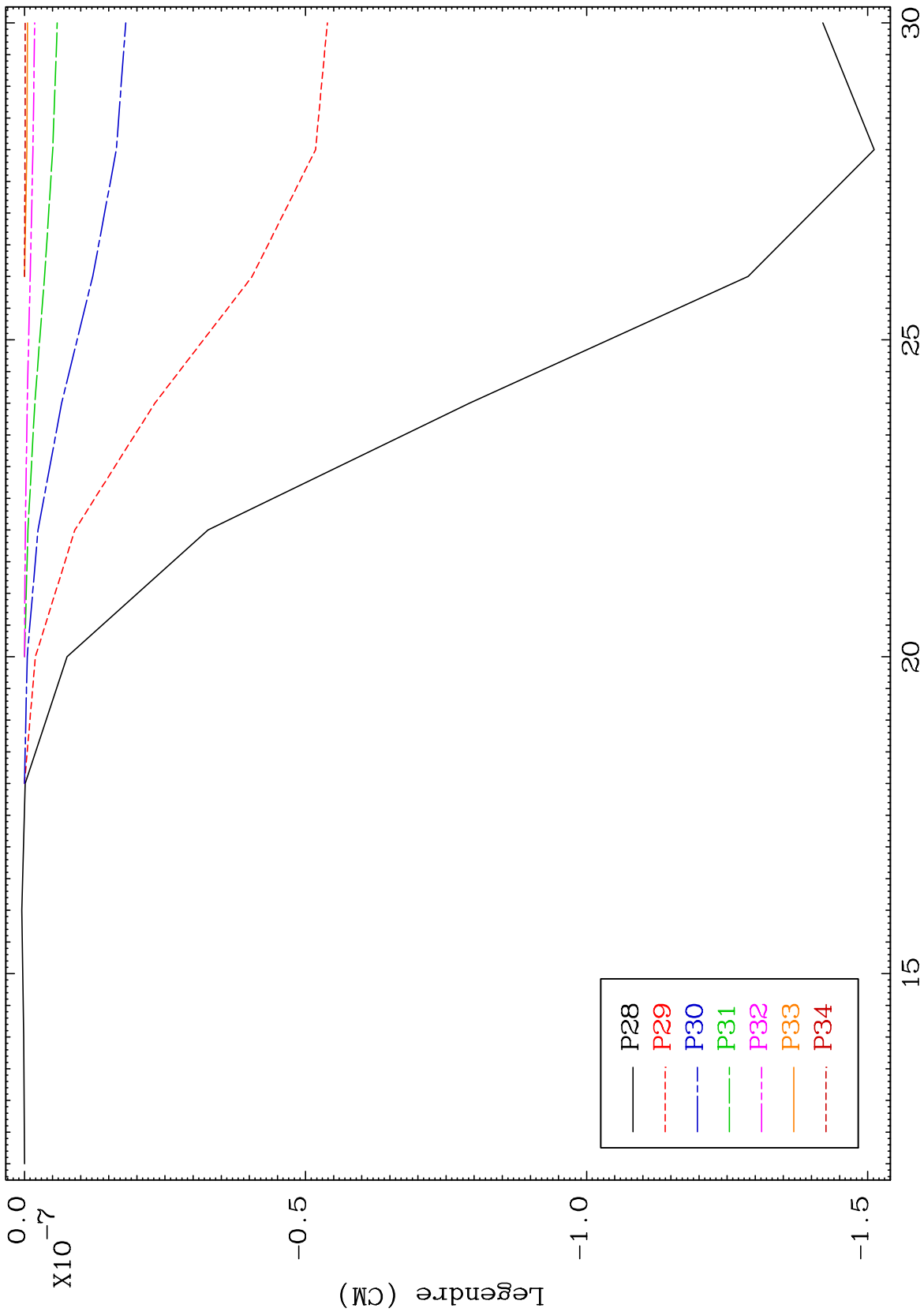
30-Zn-71



MAT 3046

30-Zn-71

Elastic Legendre Coefficients



$0.0$   
 $\times 10^{-7}$

$-0.5$

$-1.0$

$-1.5$

15

20

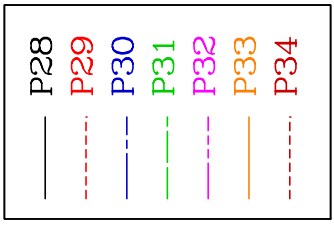
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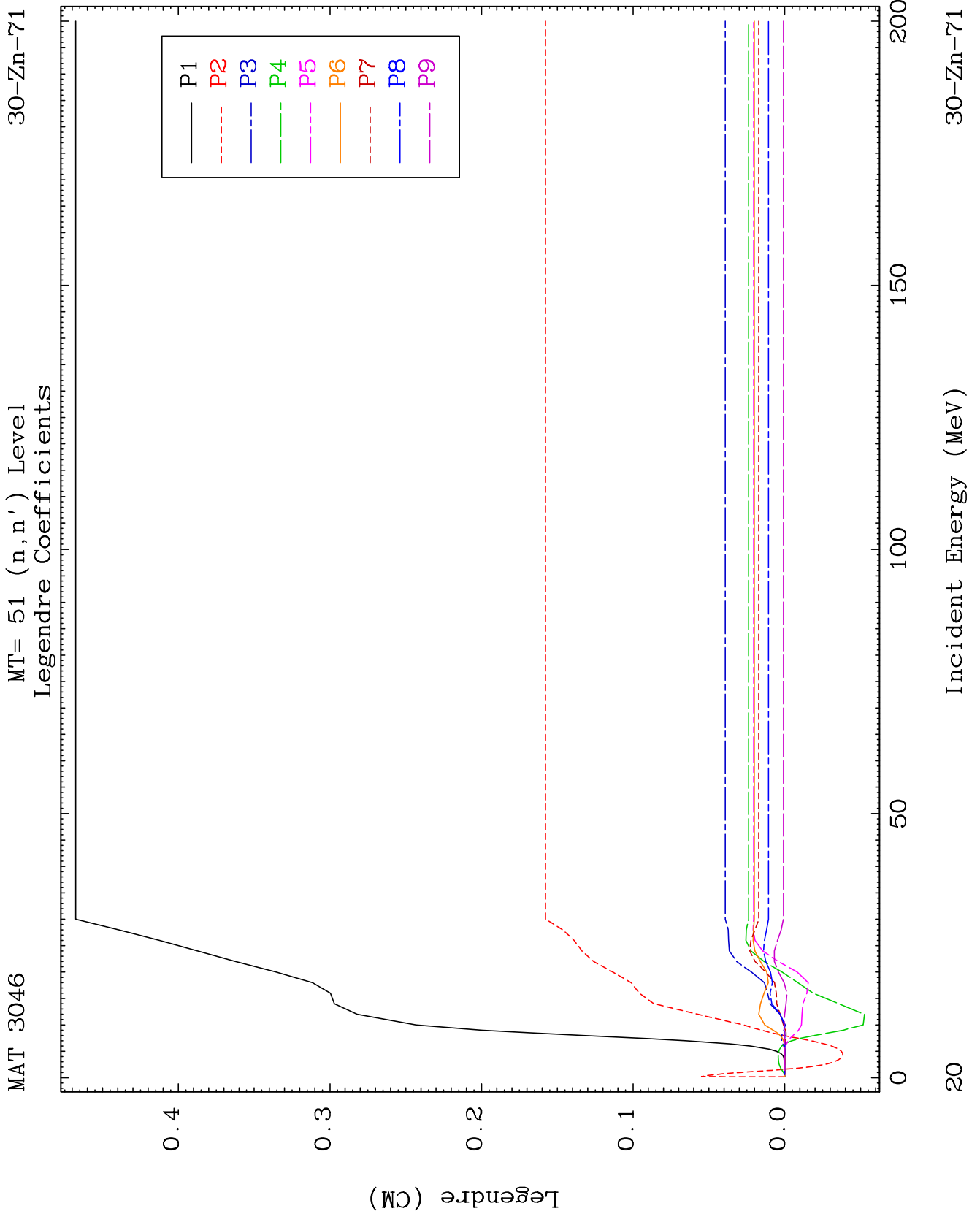
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19

Incident Energy (MeV)

30-Zn-71

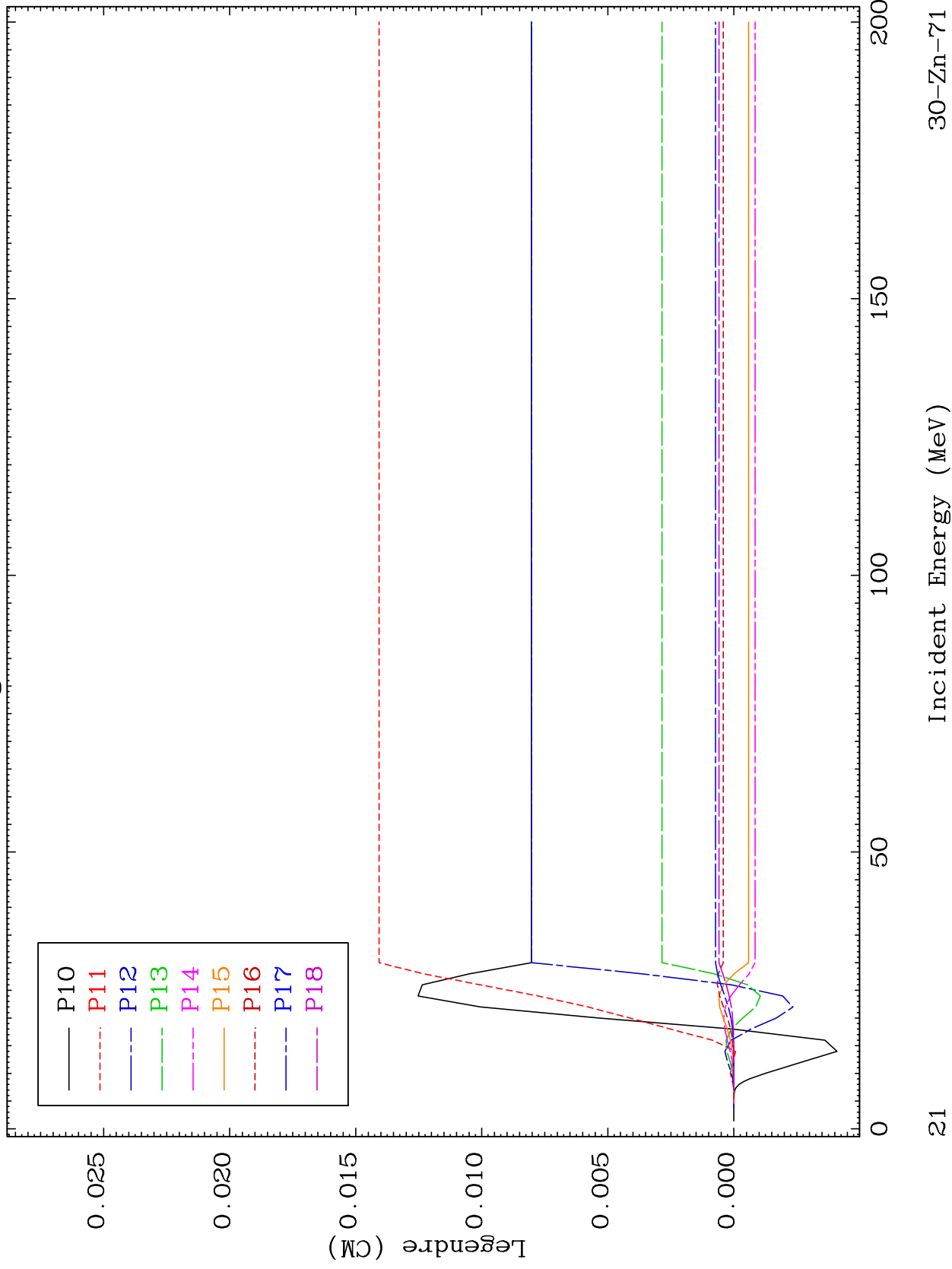




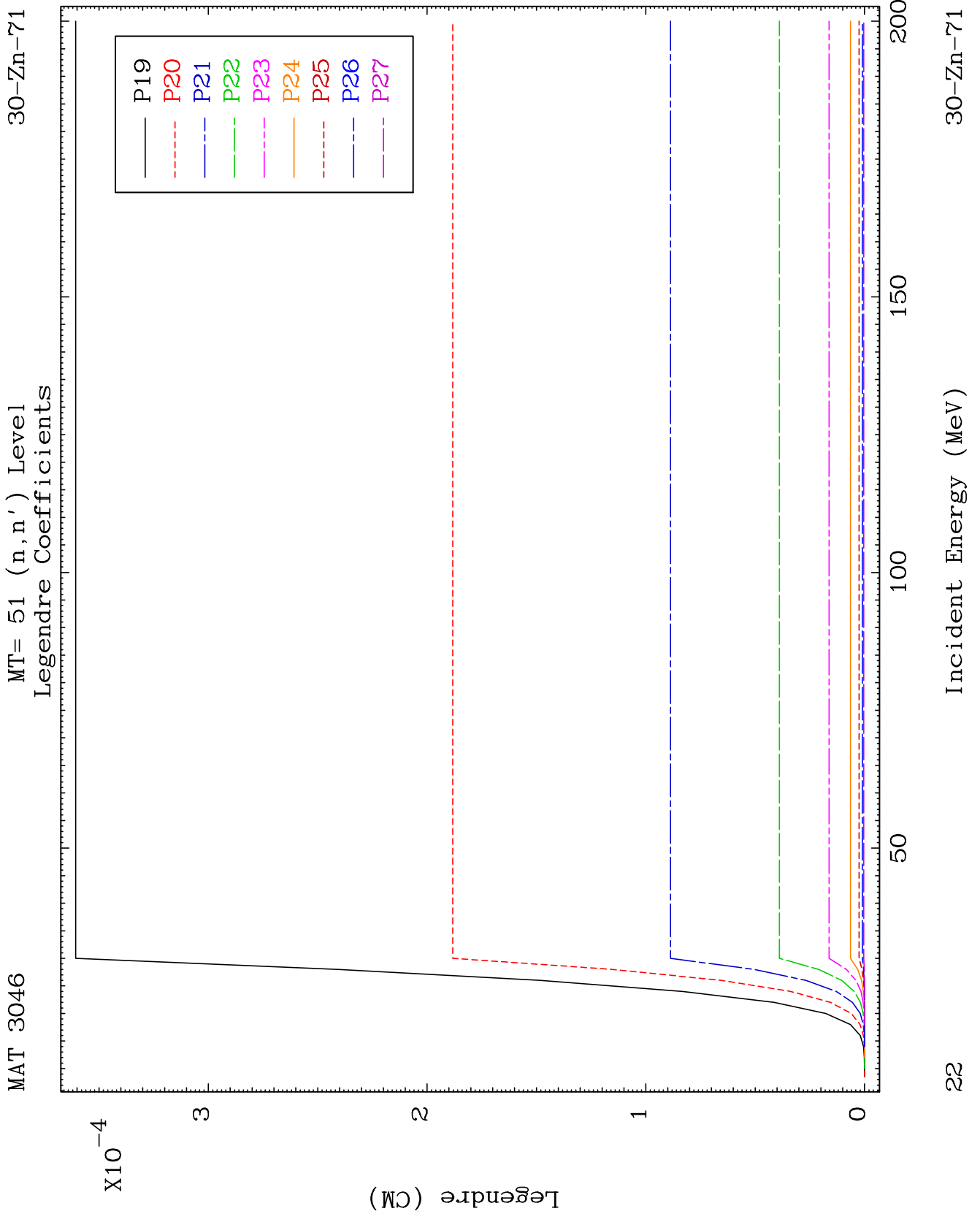
MAT 3046

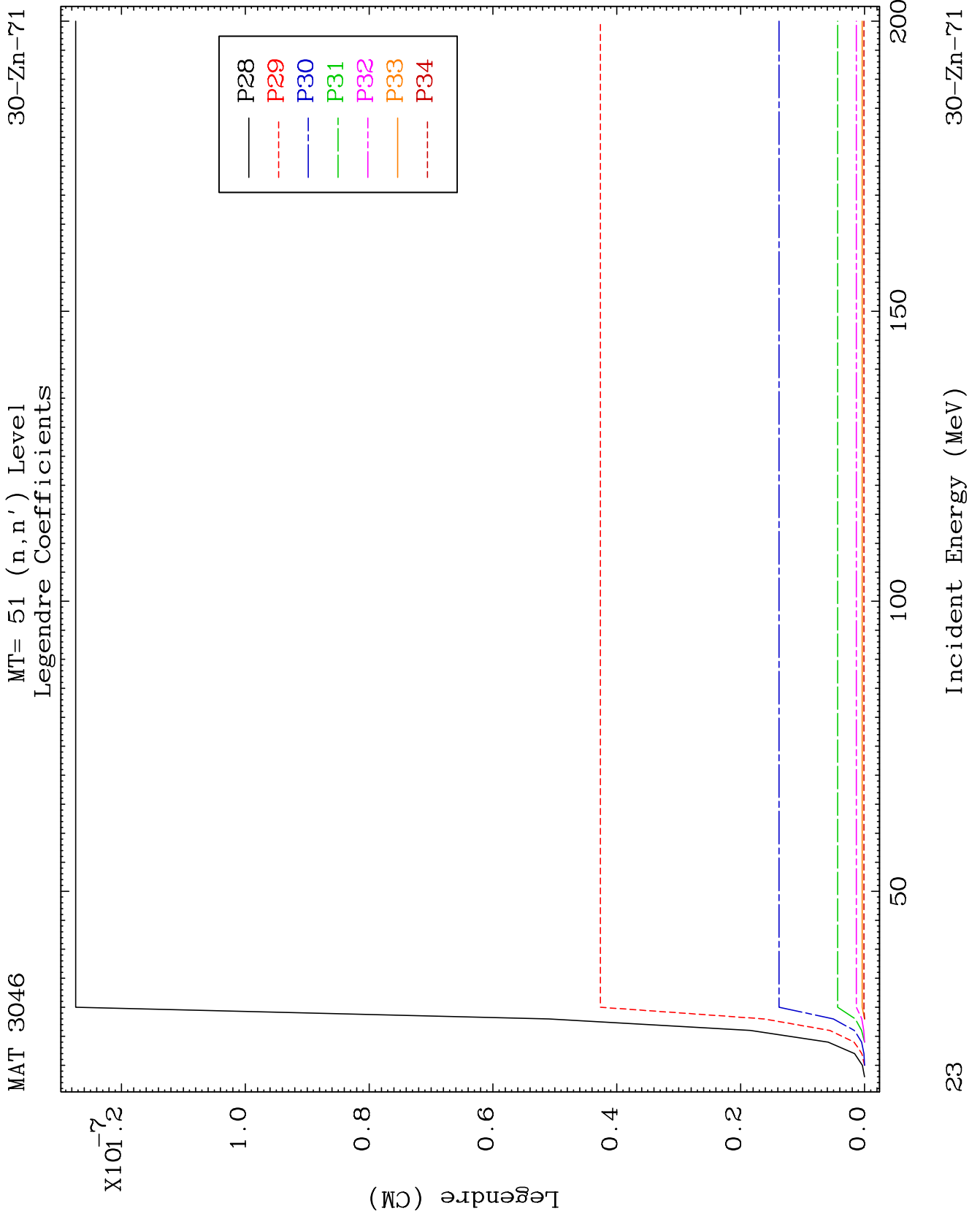
MT= 51 (n,n') Level  
Legendre Coefficients

30-Zn-71



21







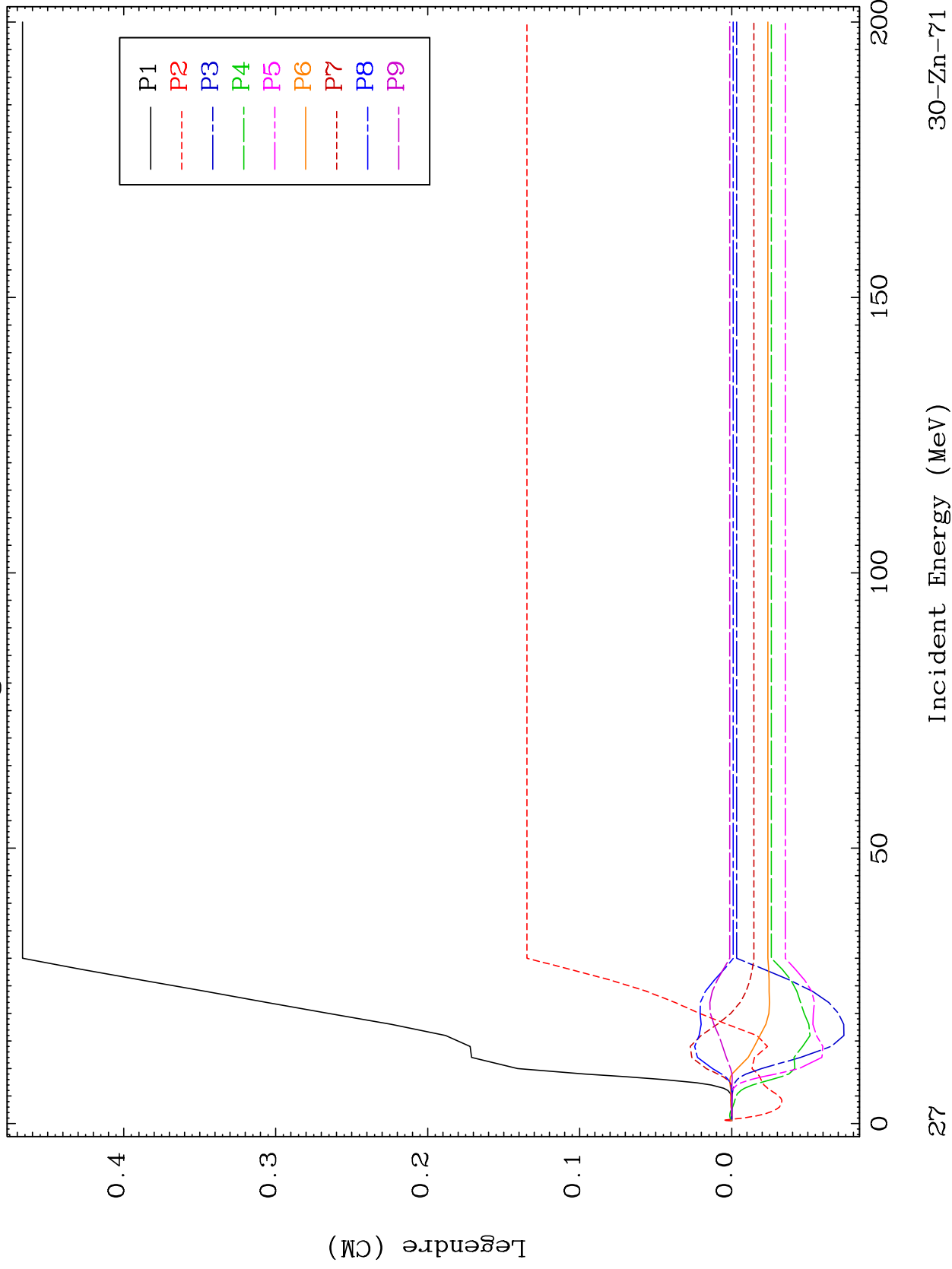




MAT 3046

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

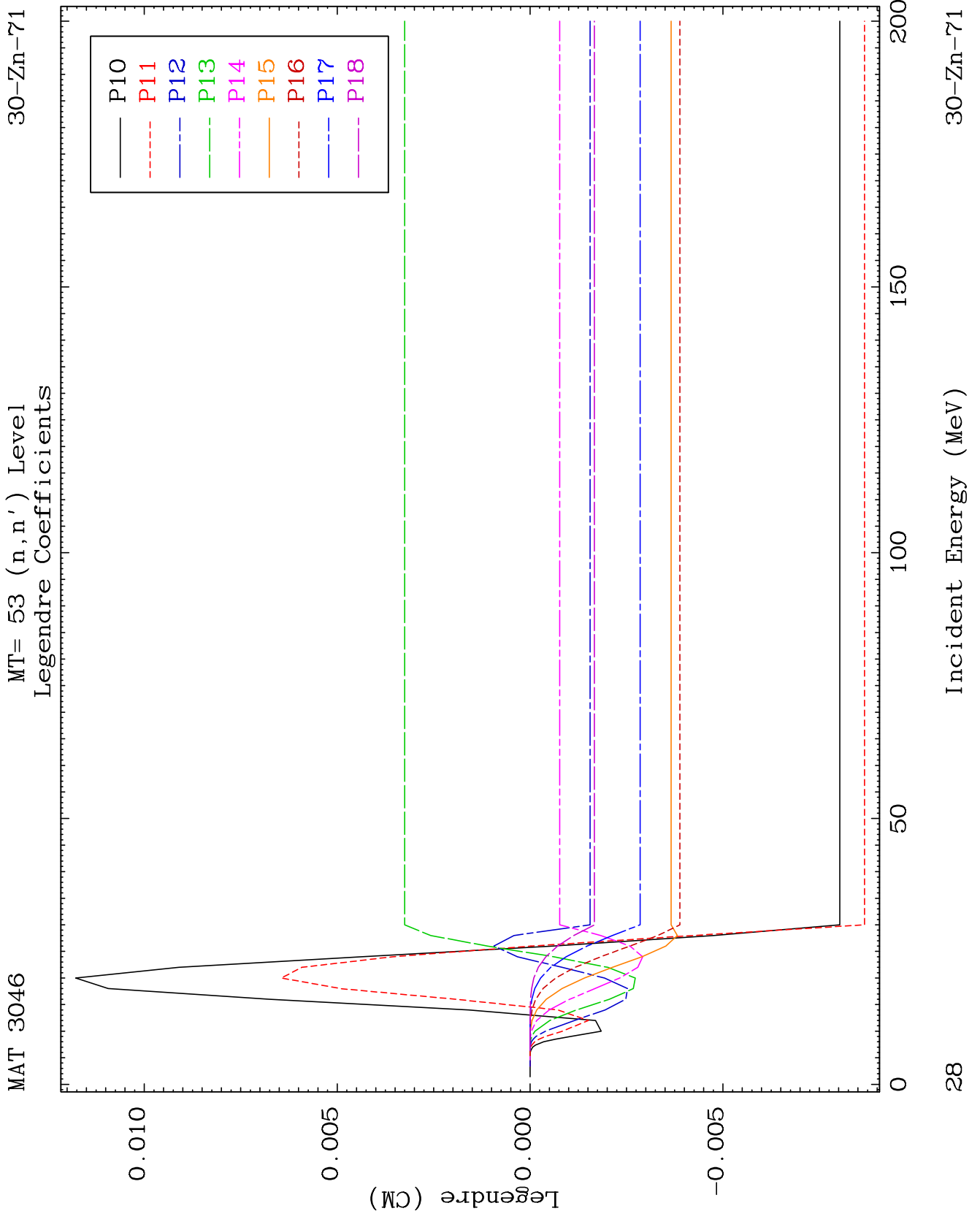
30-Zn-71

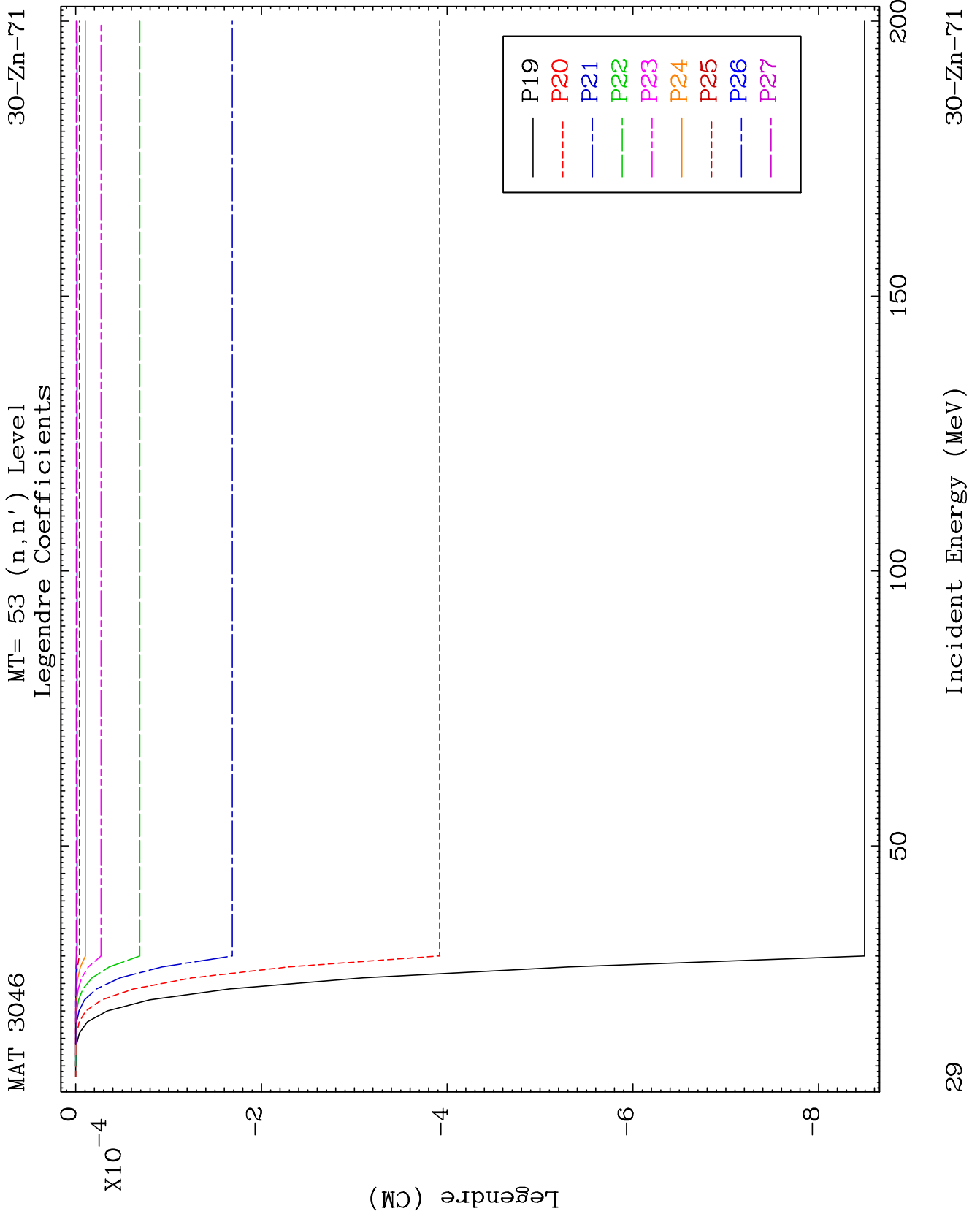


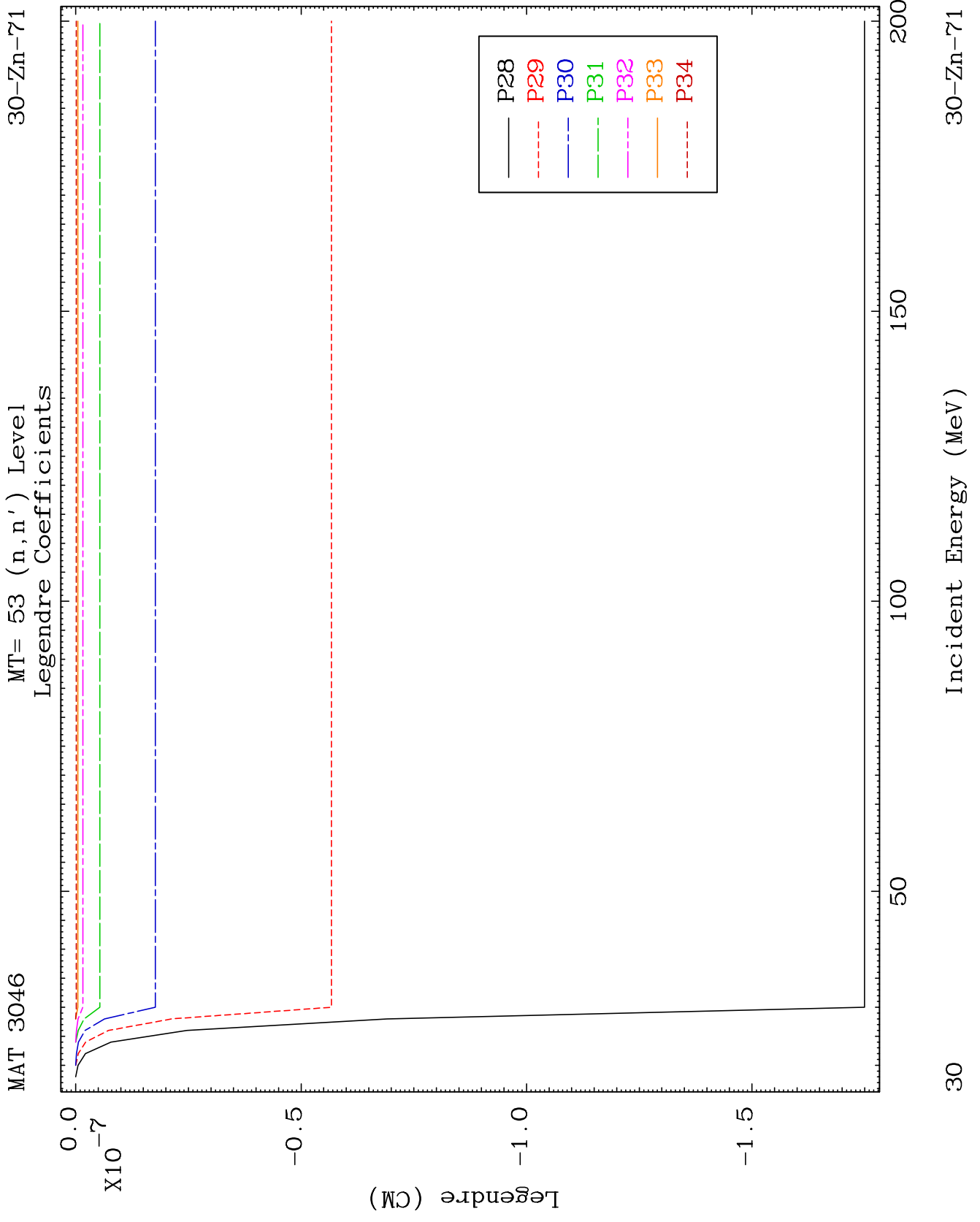
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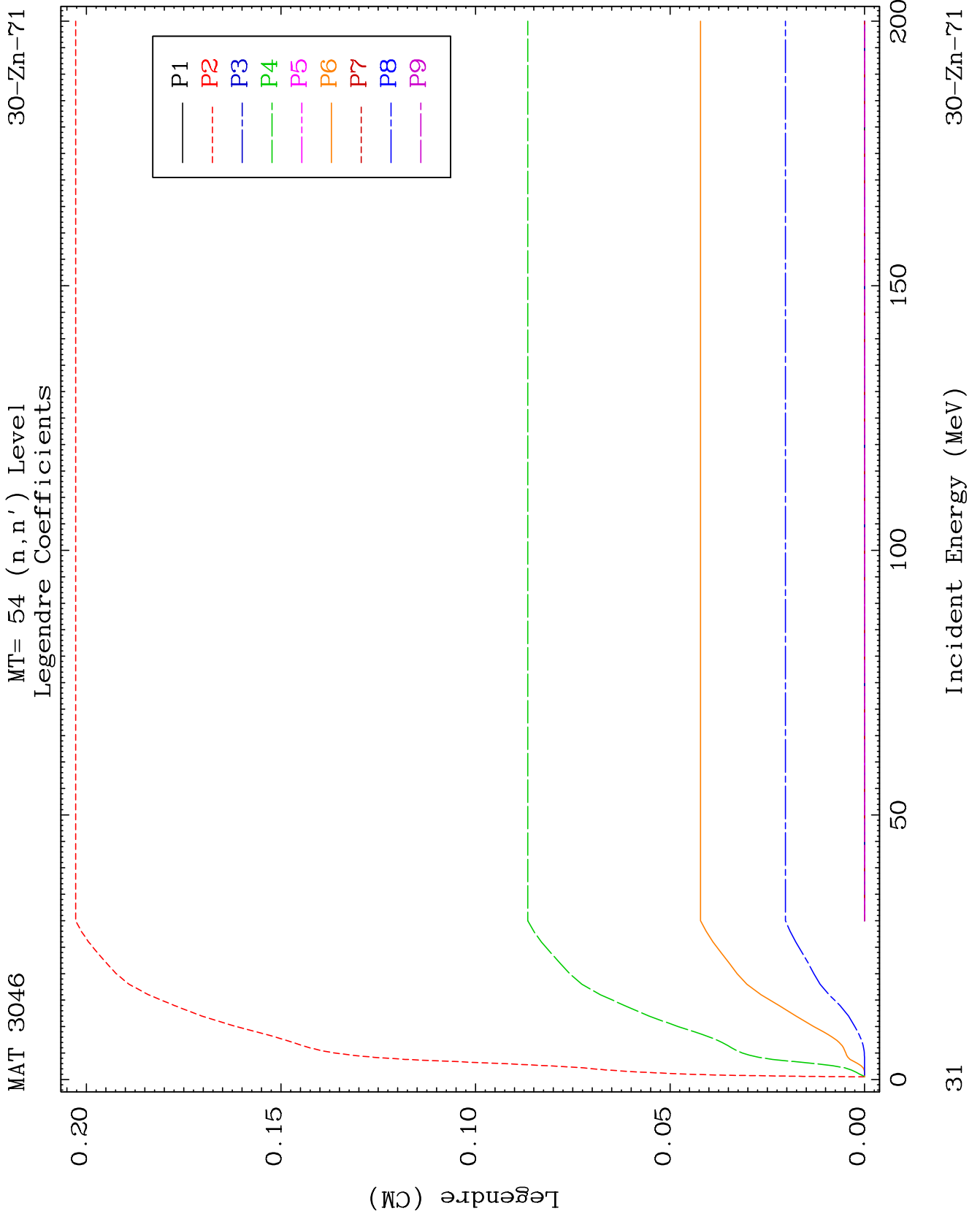
Incident Energy (MeV)

30-Zn-71





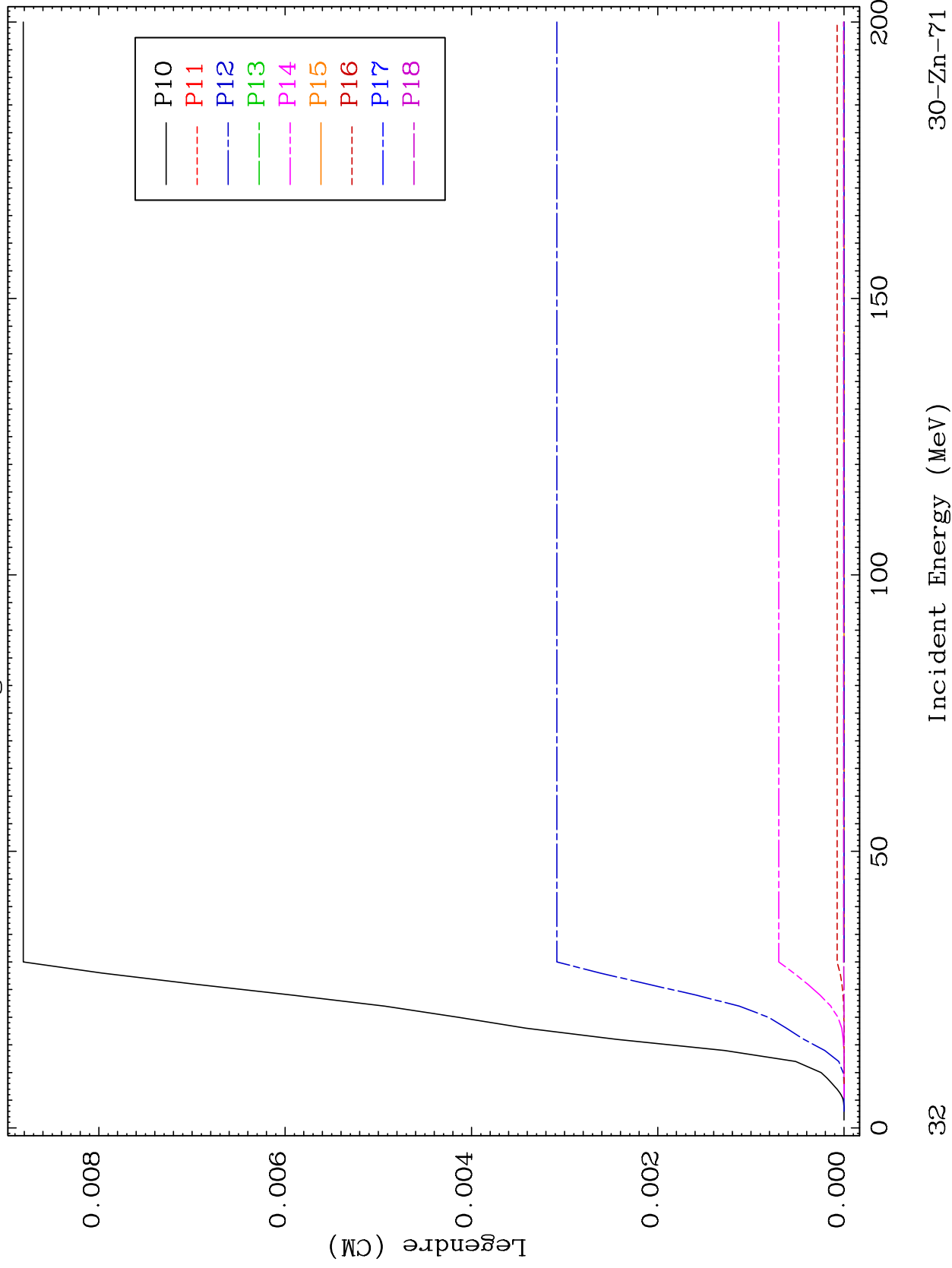




MAT 3046

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

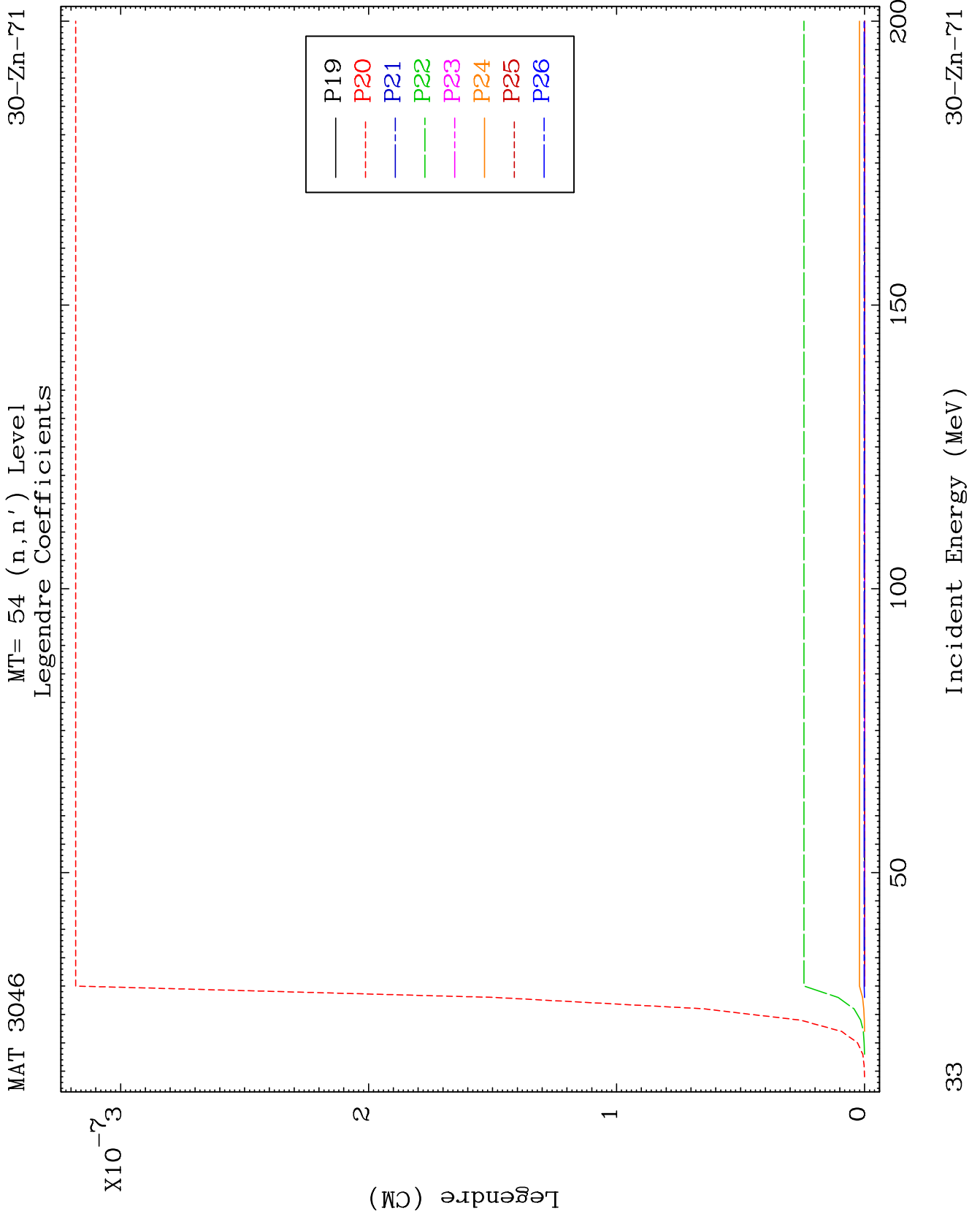
30-Zn-71



30-Zn-71

Incident Energy (MeV)

32

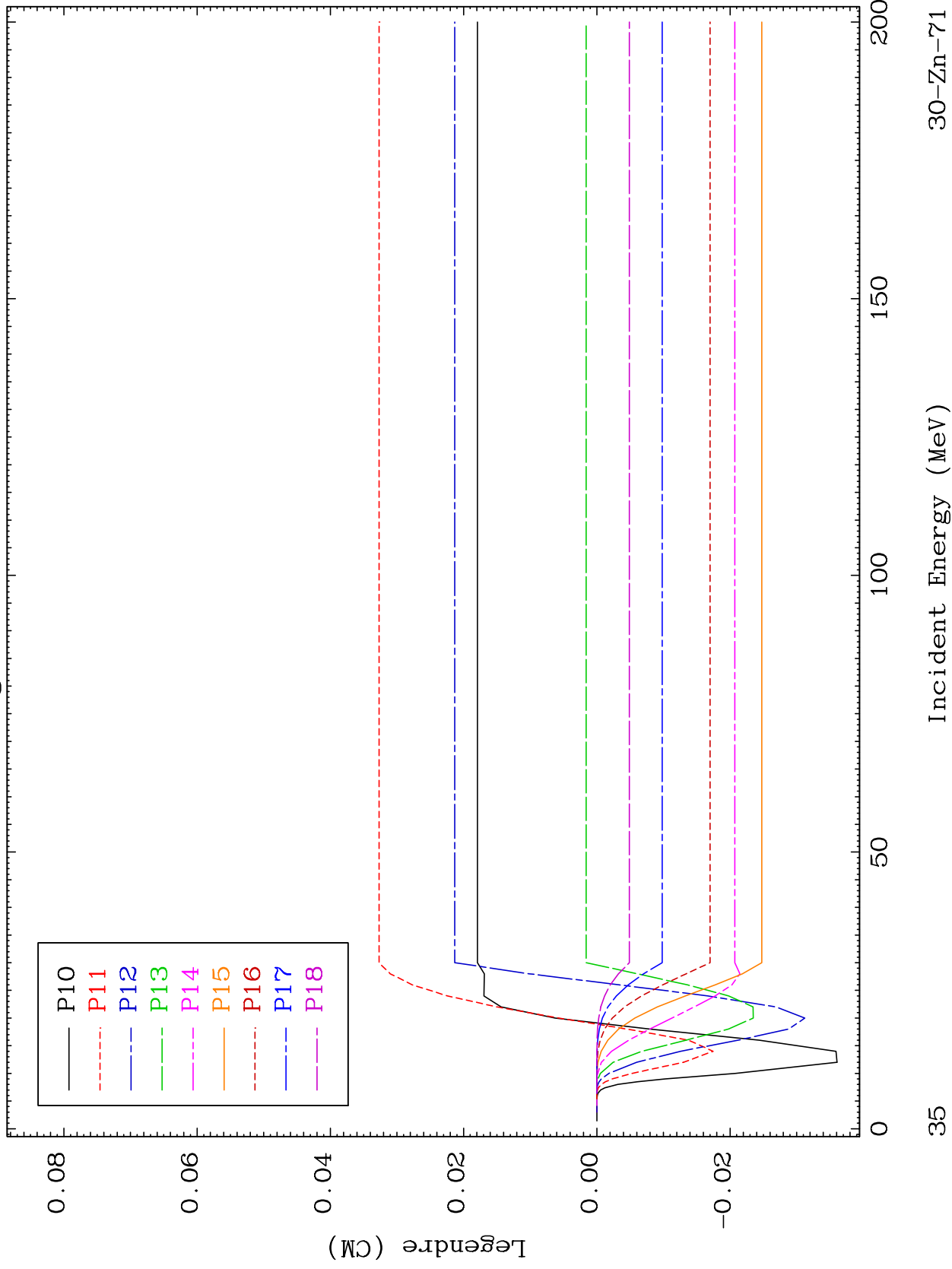




MAT 3046

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

30-Zn-71

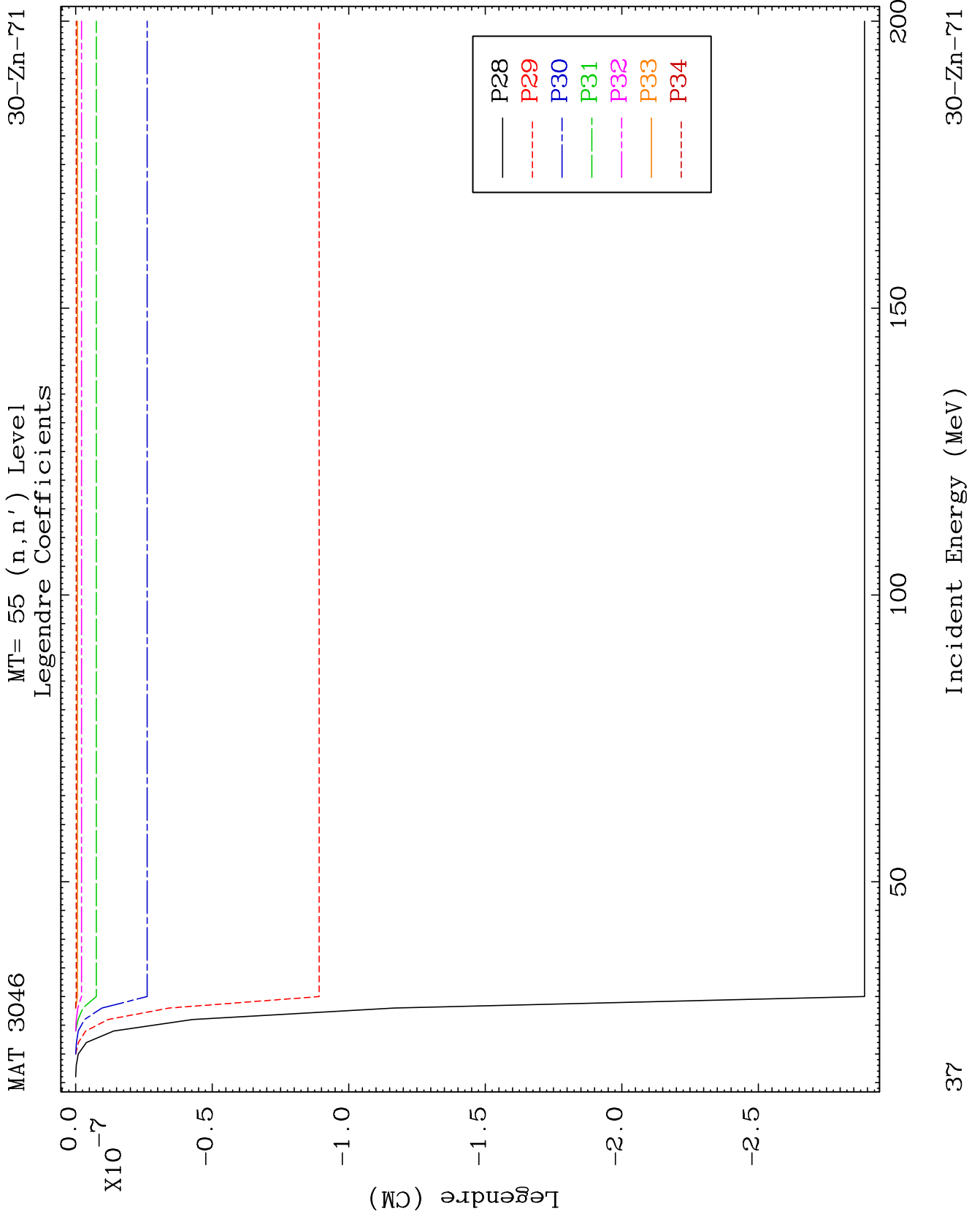


30-Zn-71

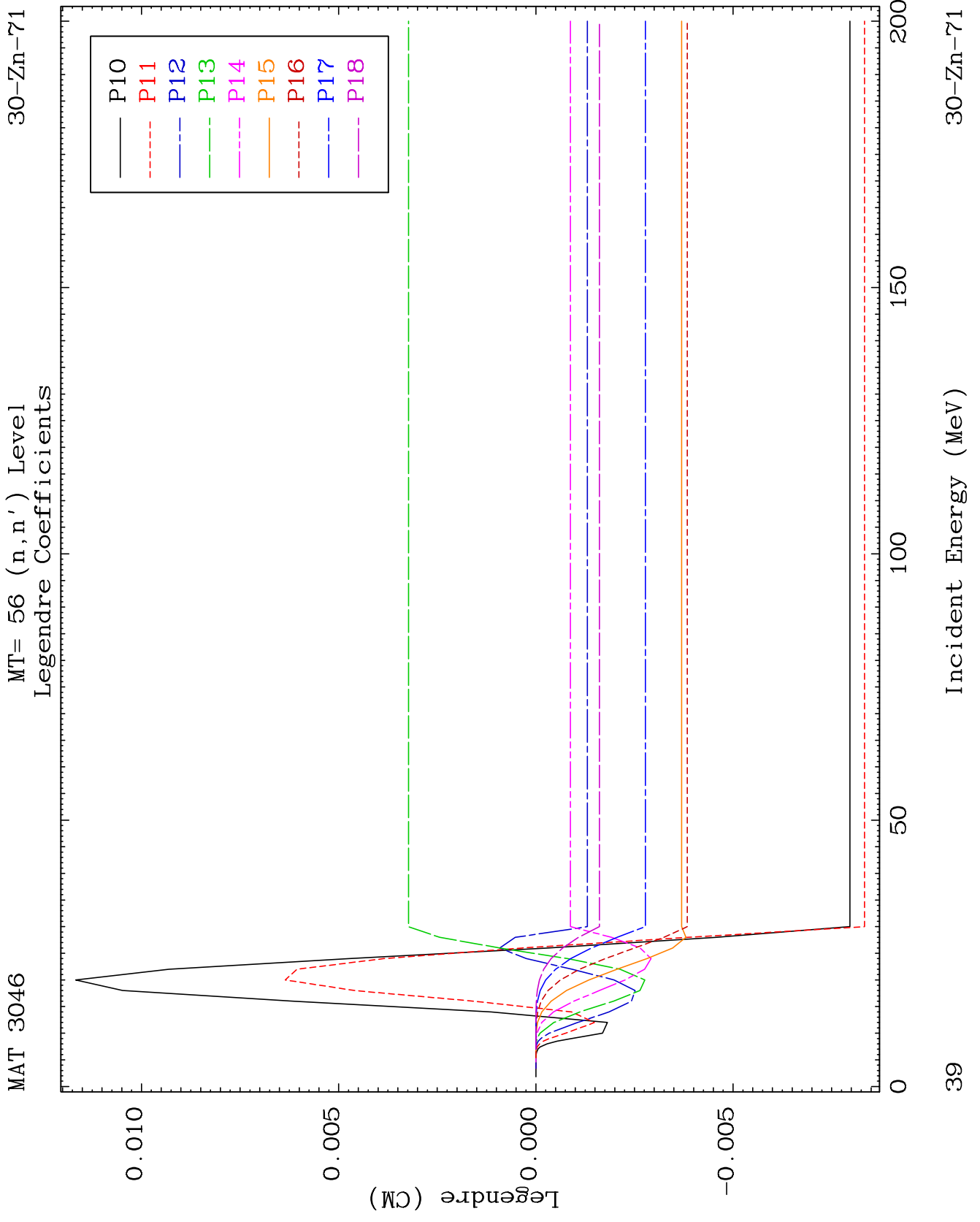
Incident Energy (MeV)

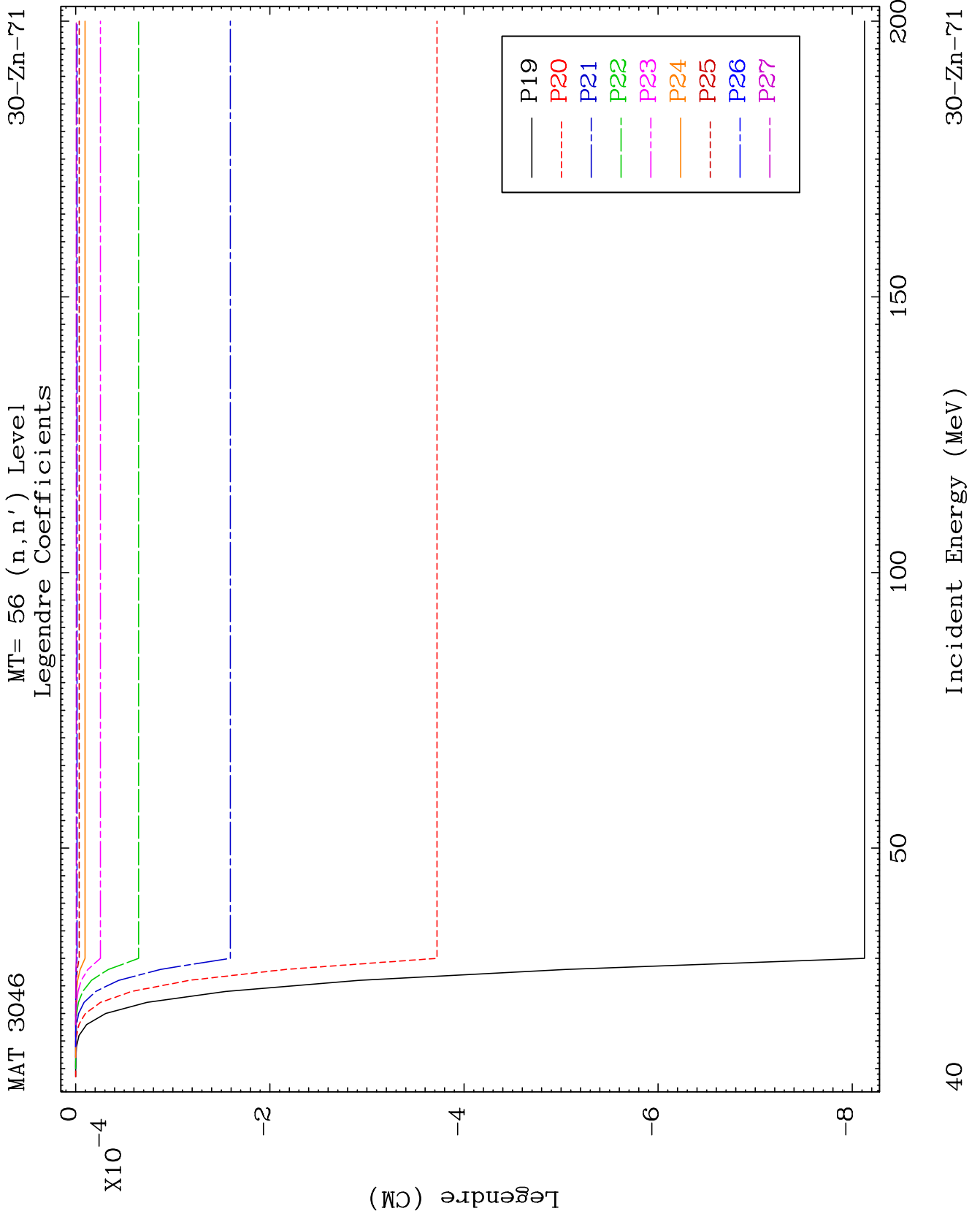
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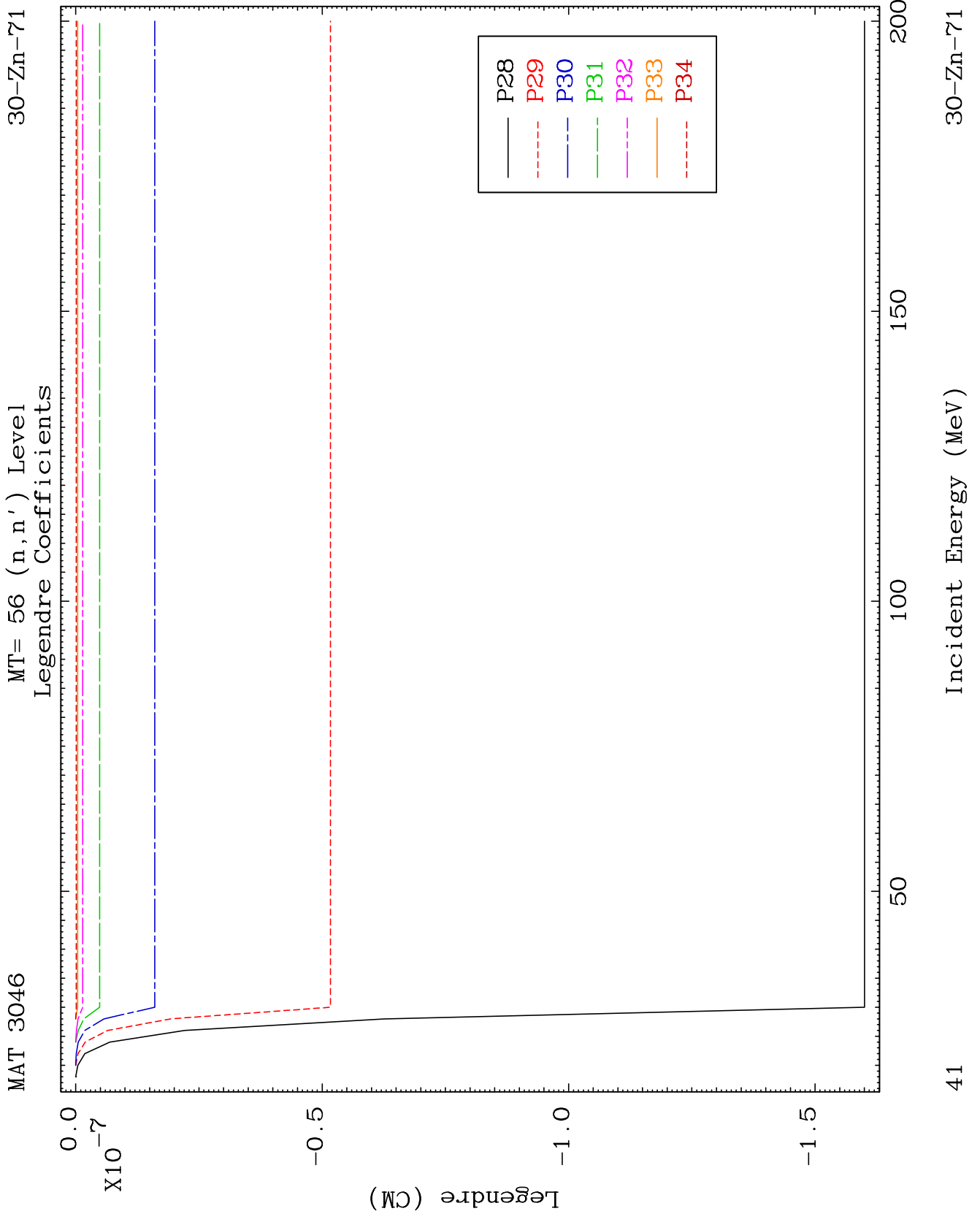








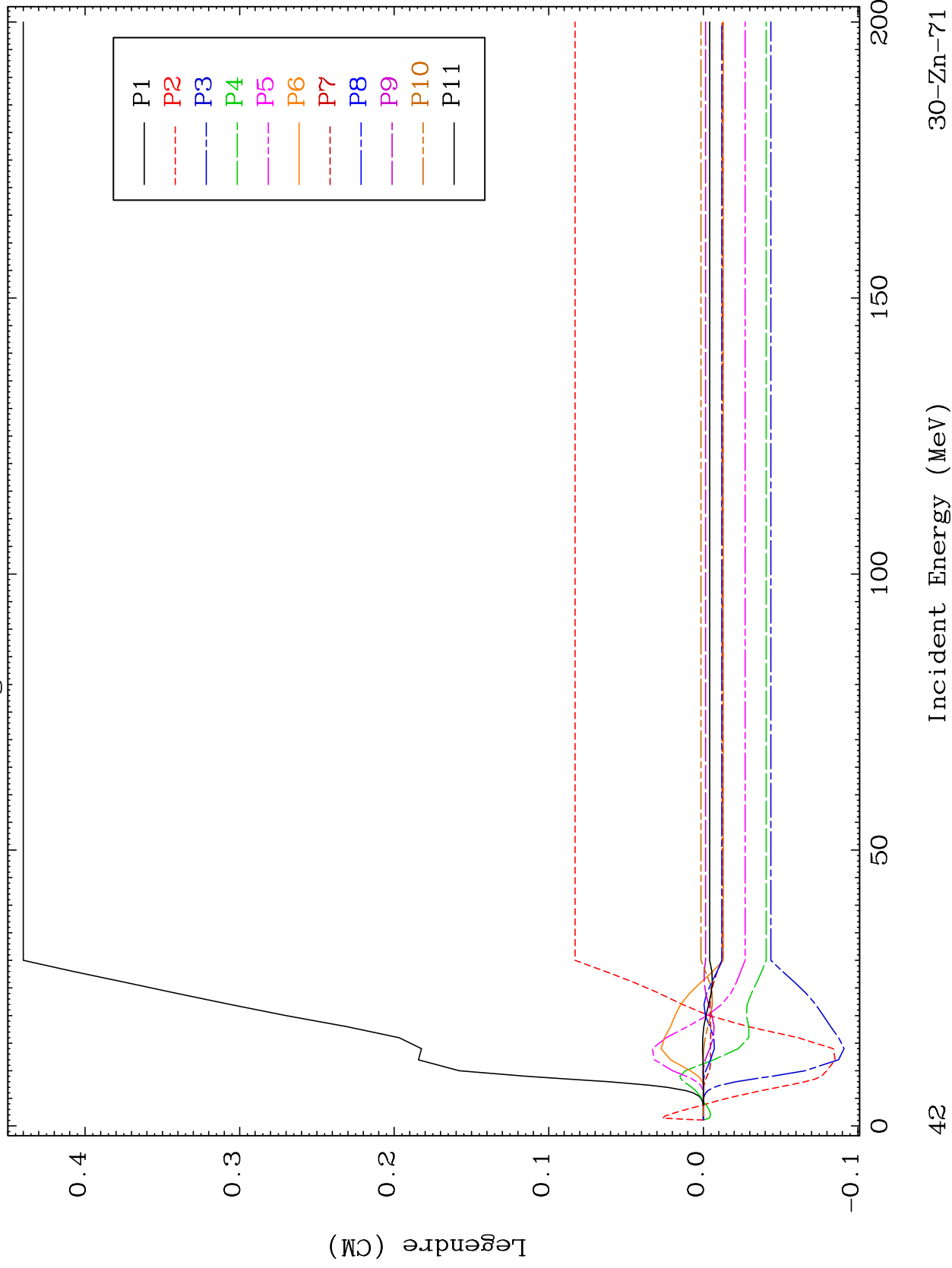




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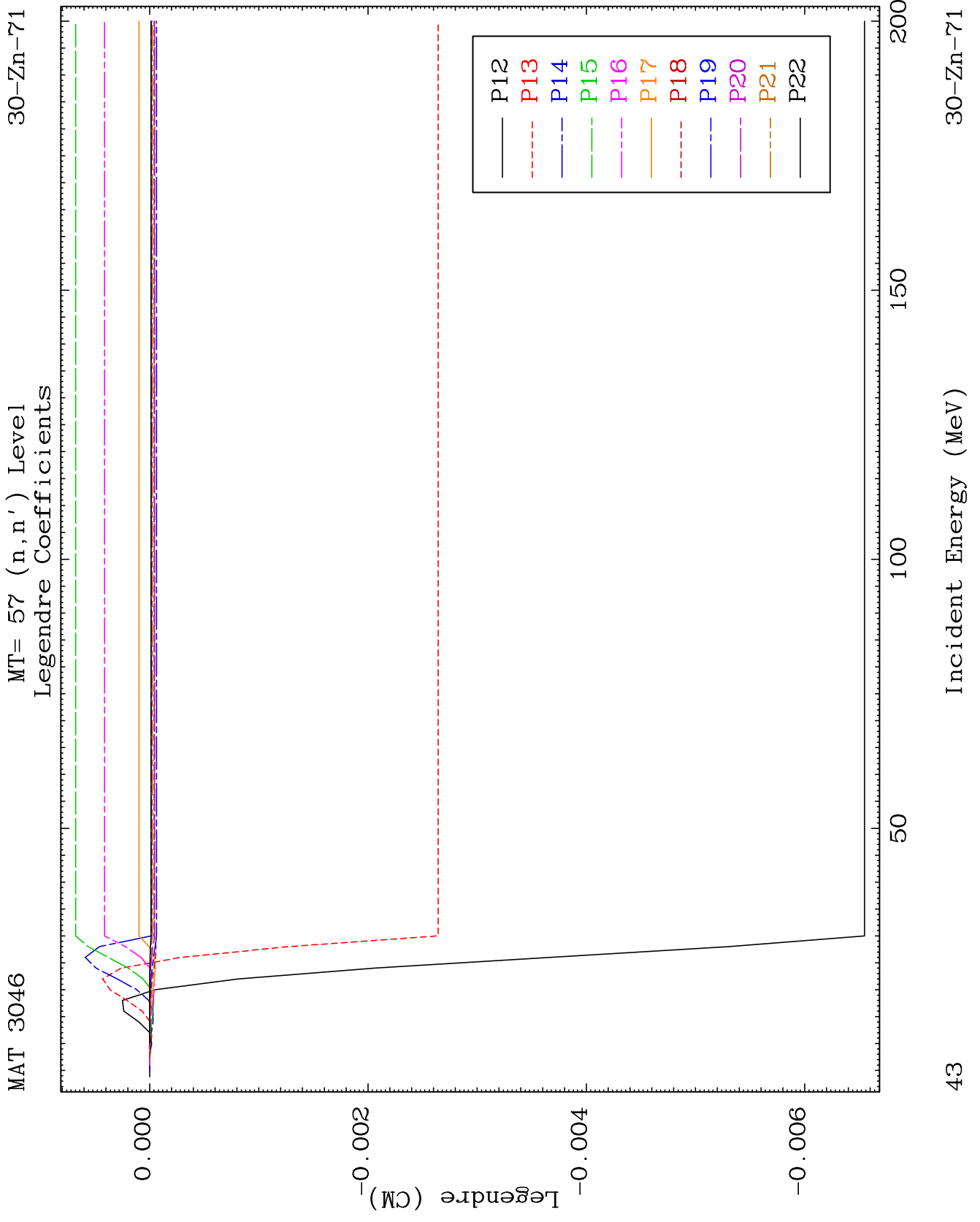
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Legendre Coefficients

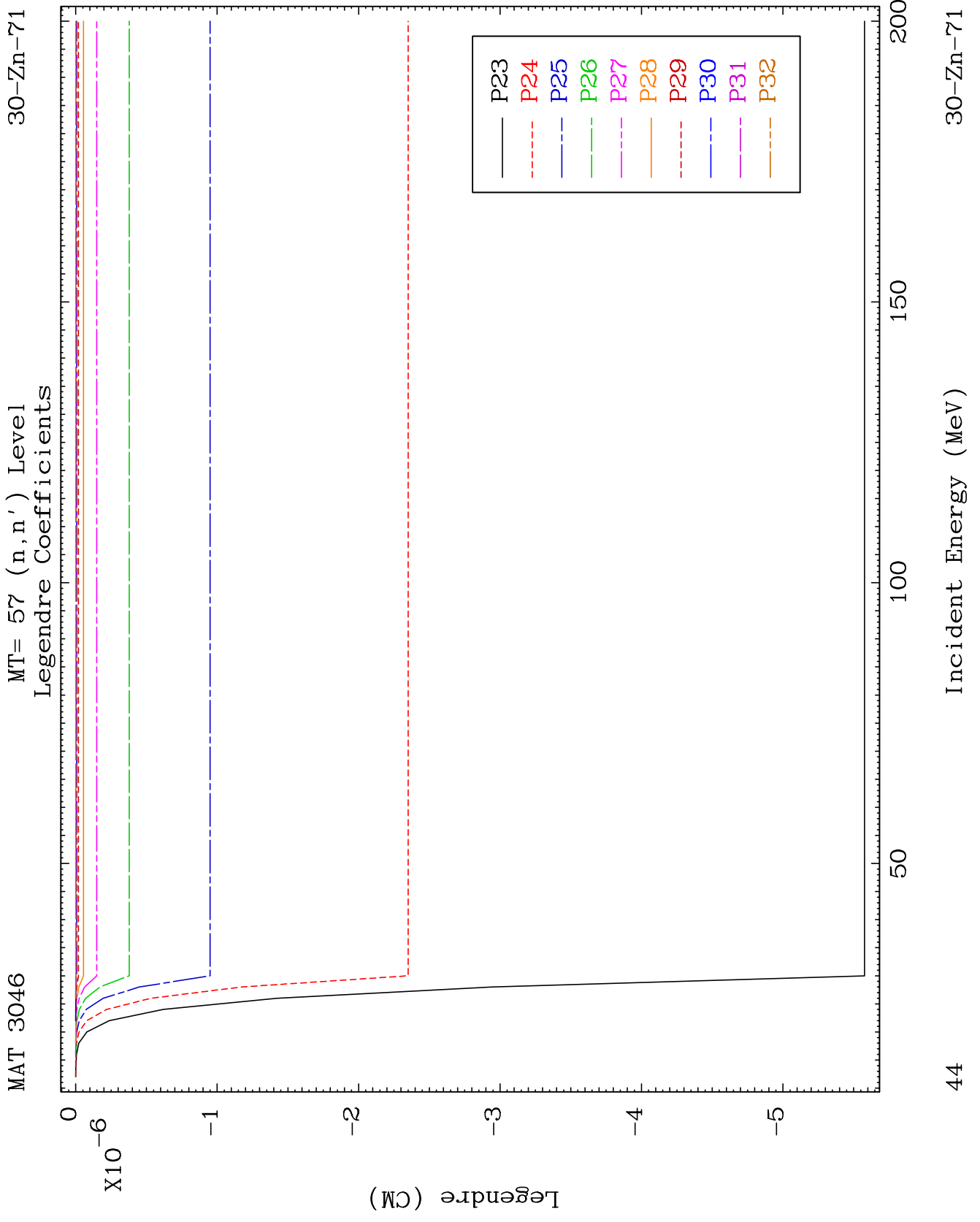
30-Zn-71

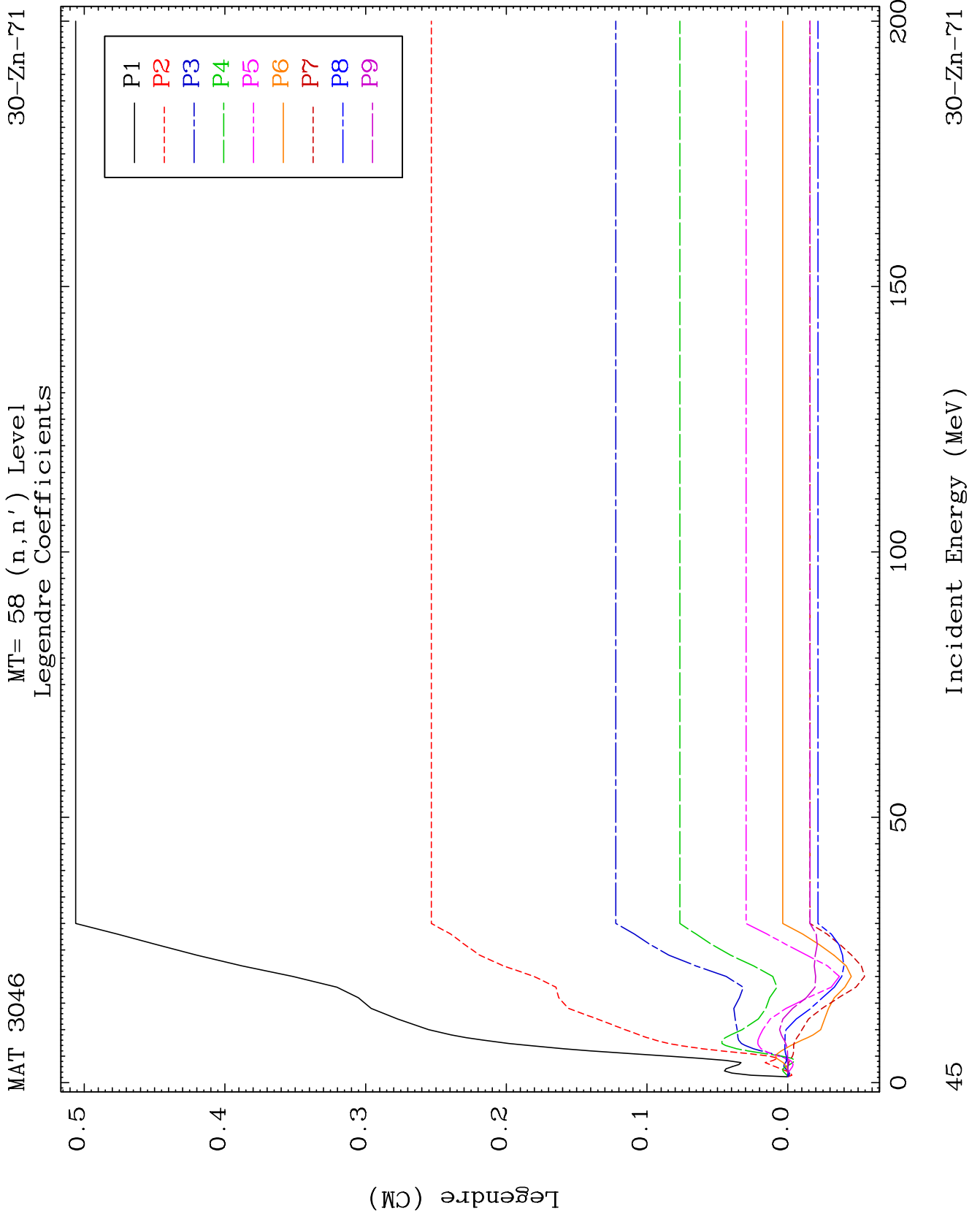


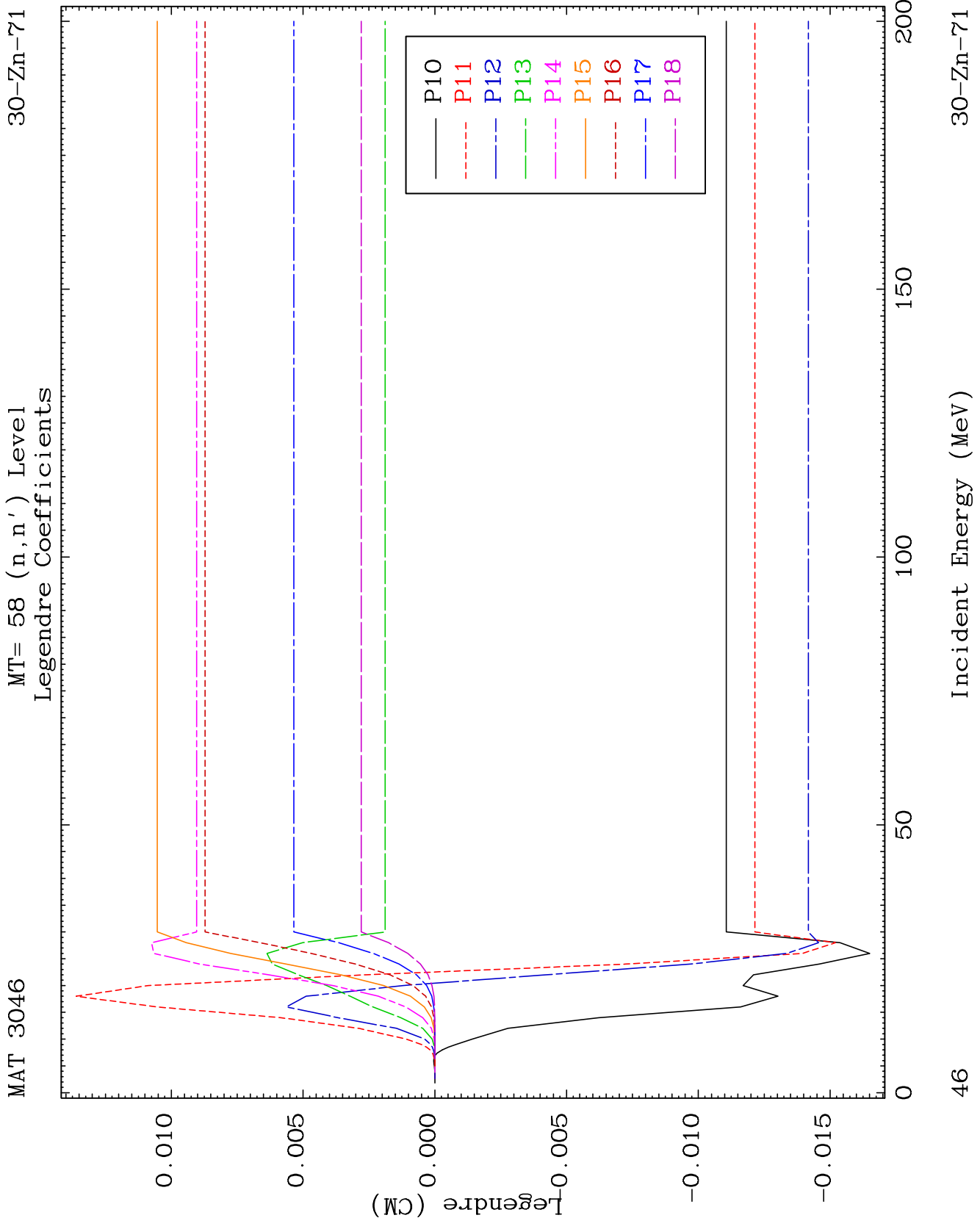
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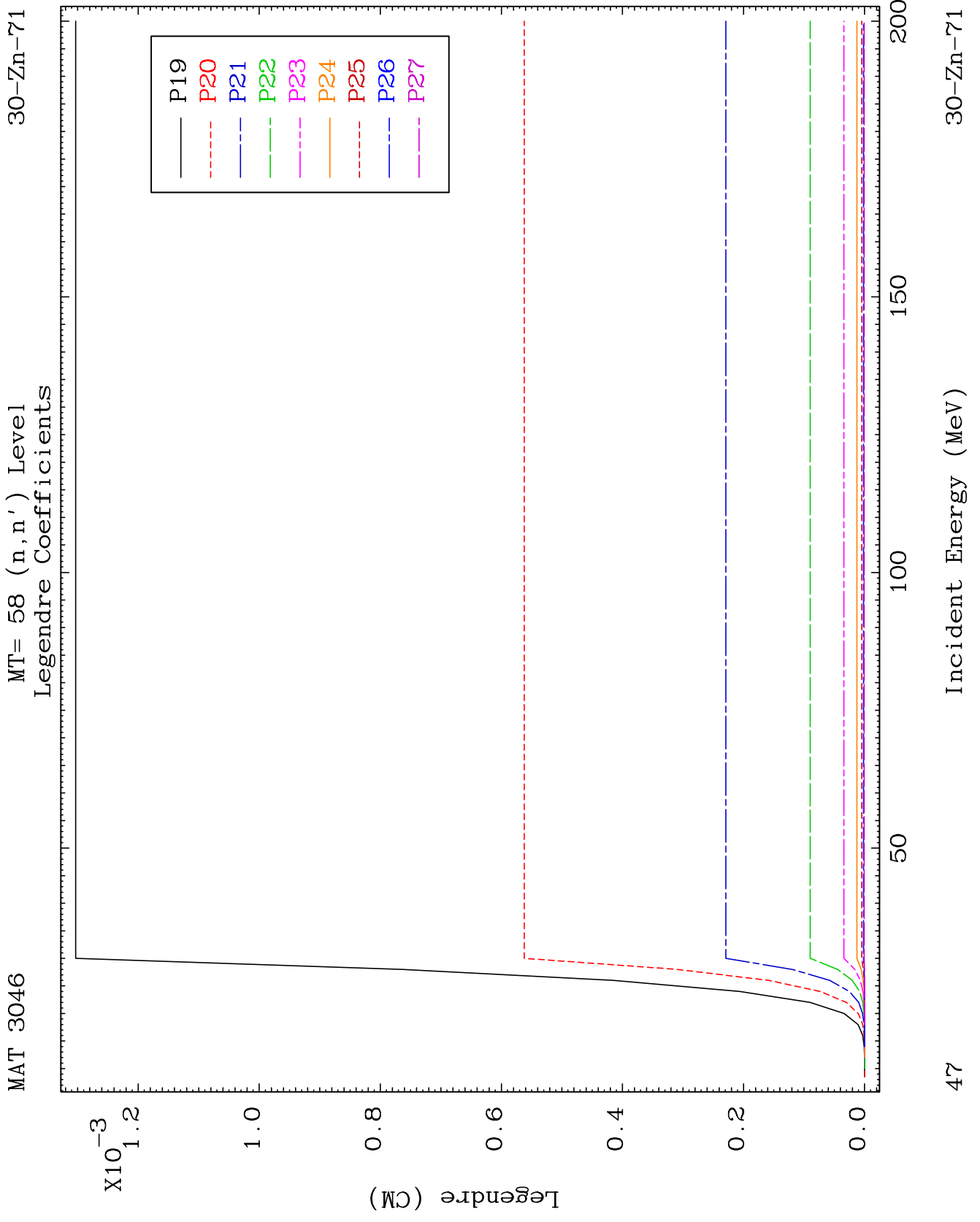
30-Zn-71

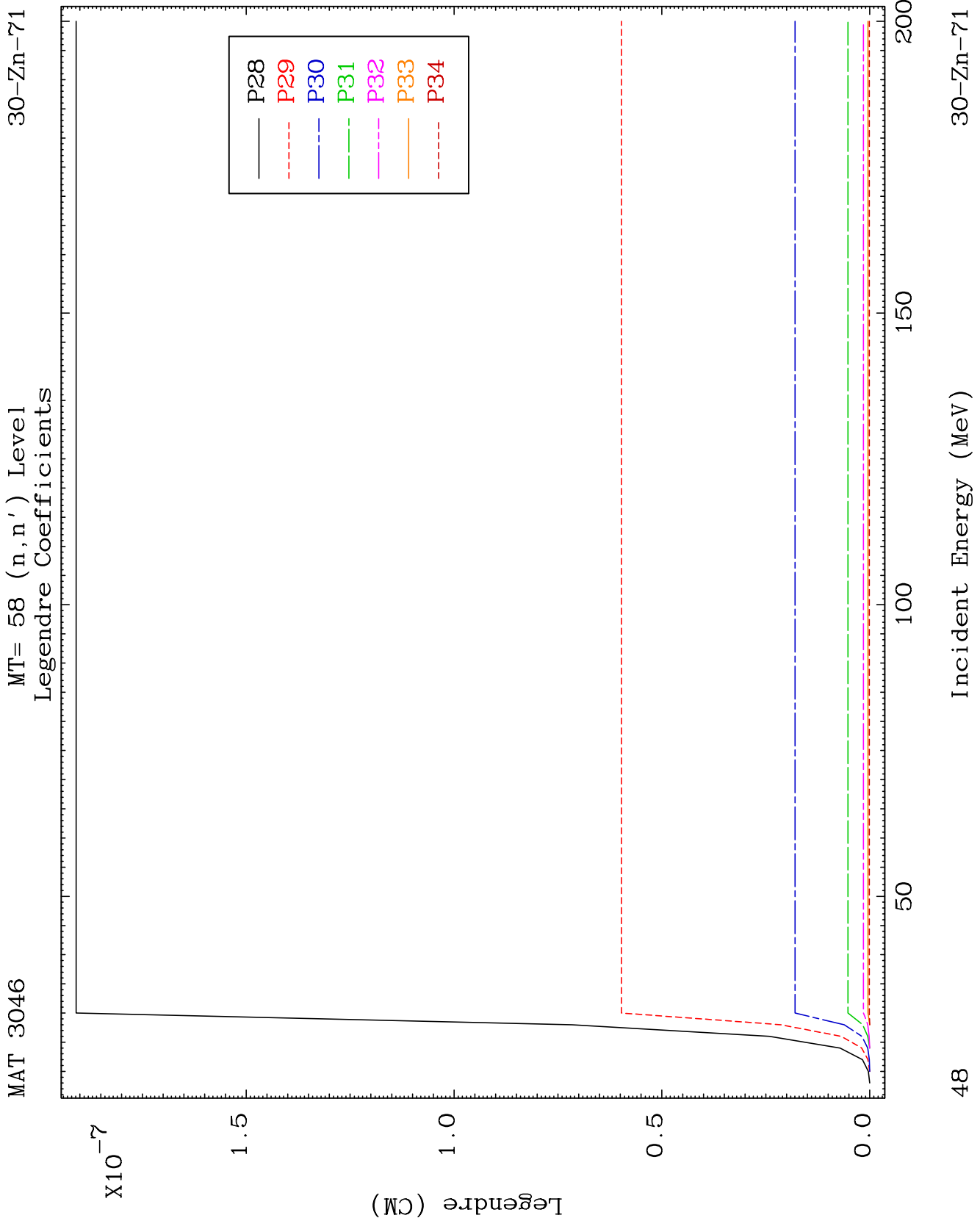


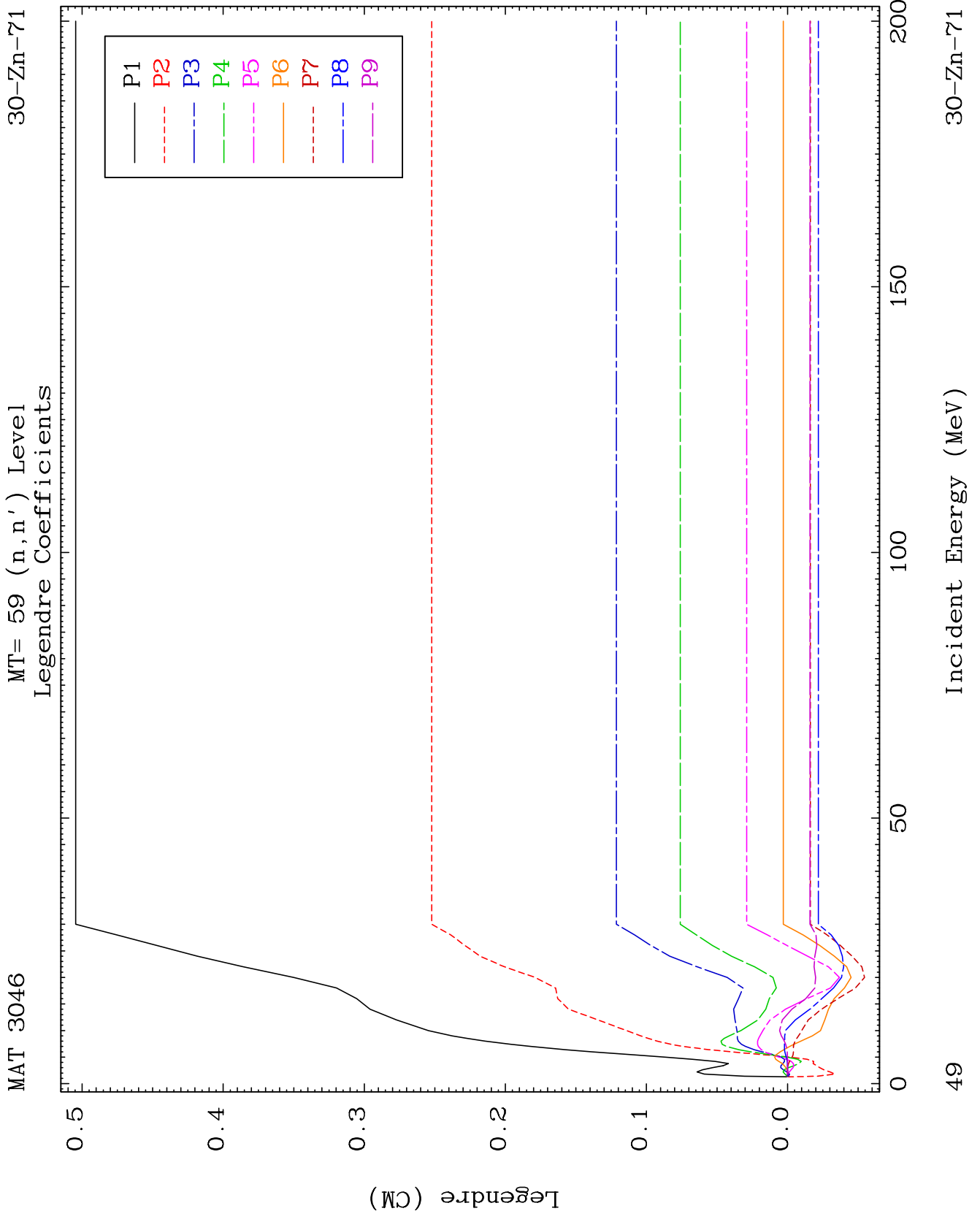


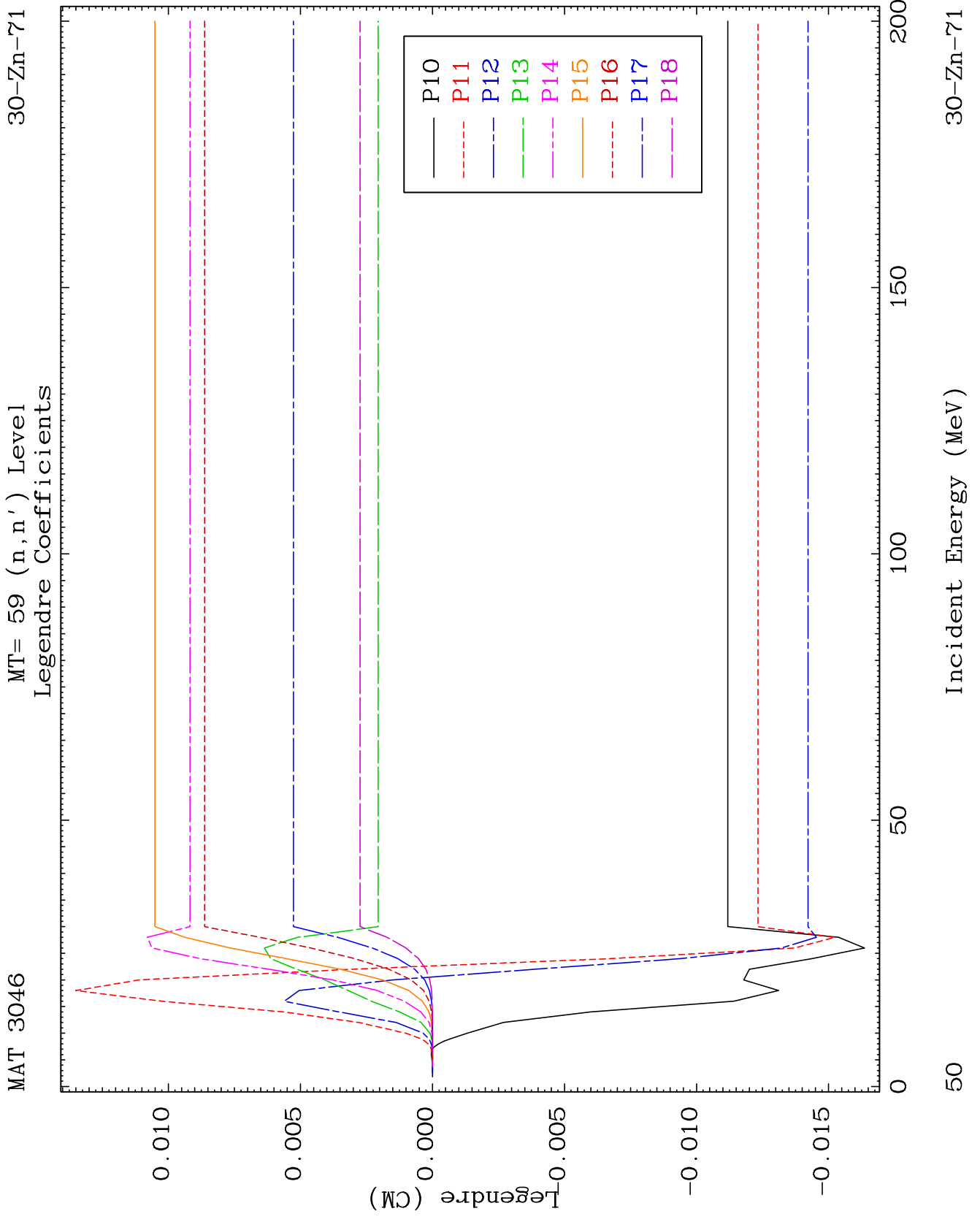




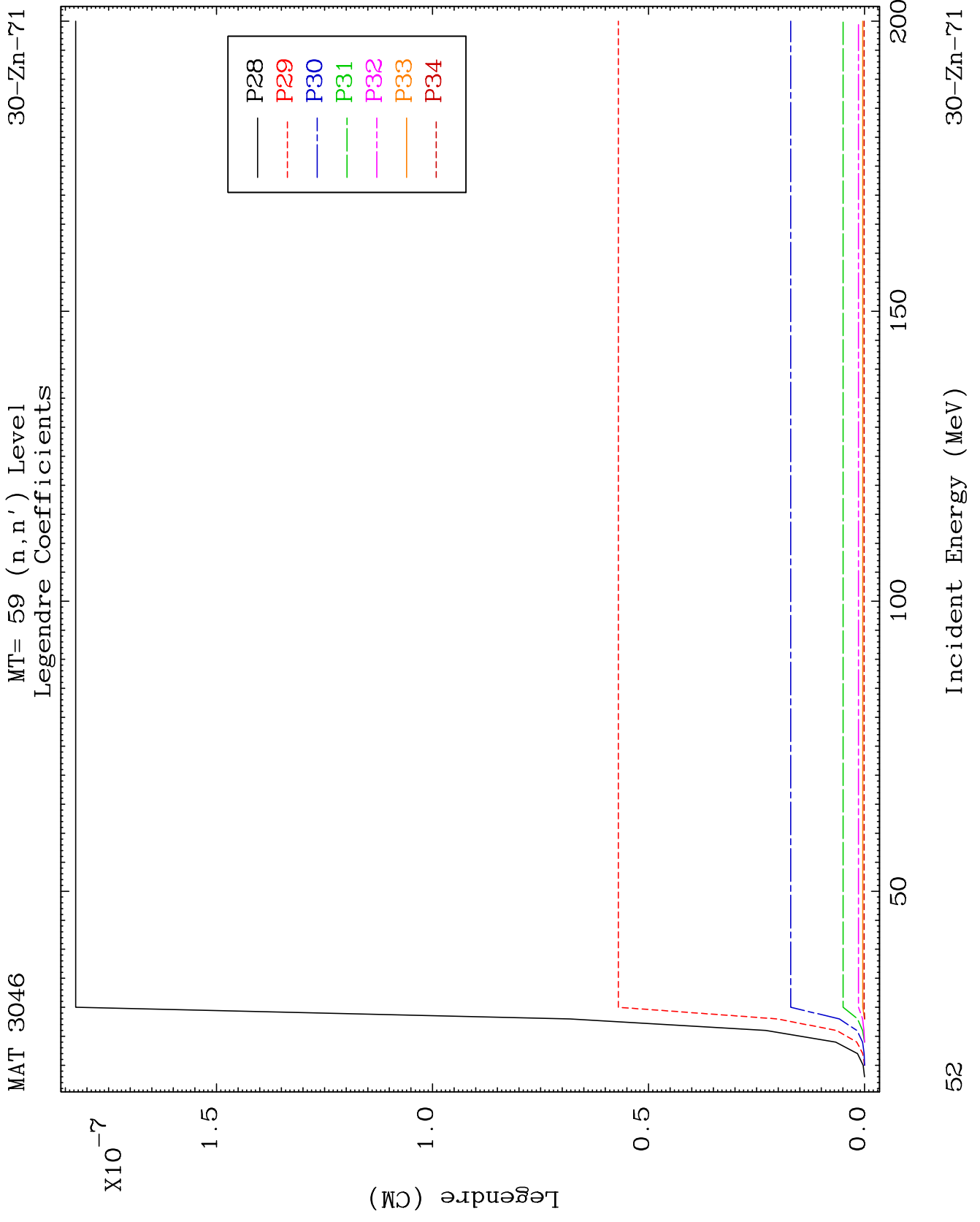


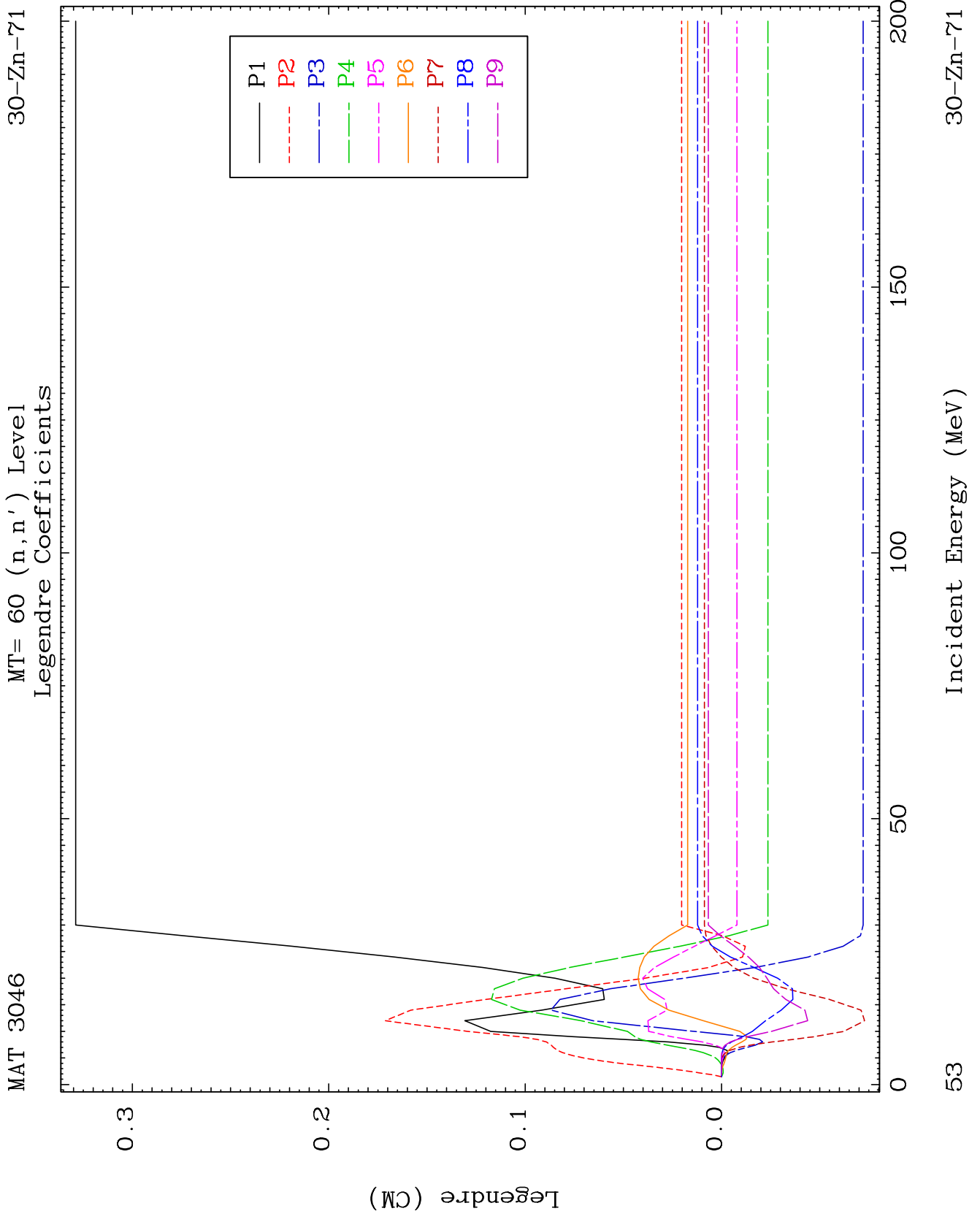








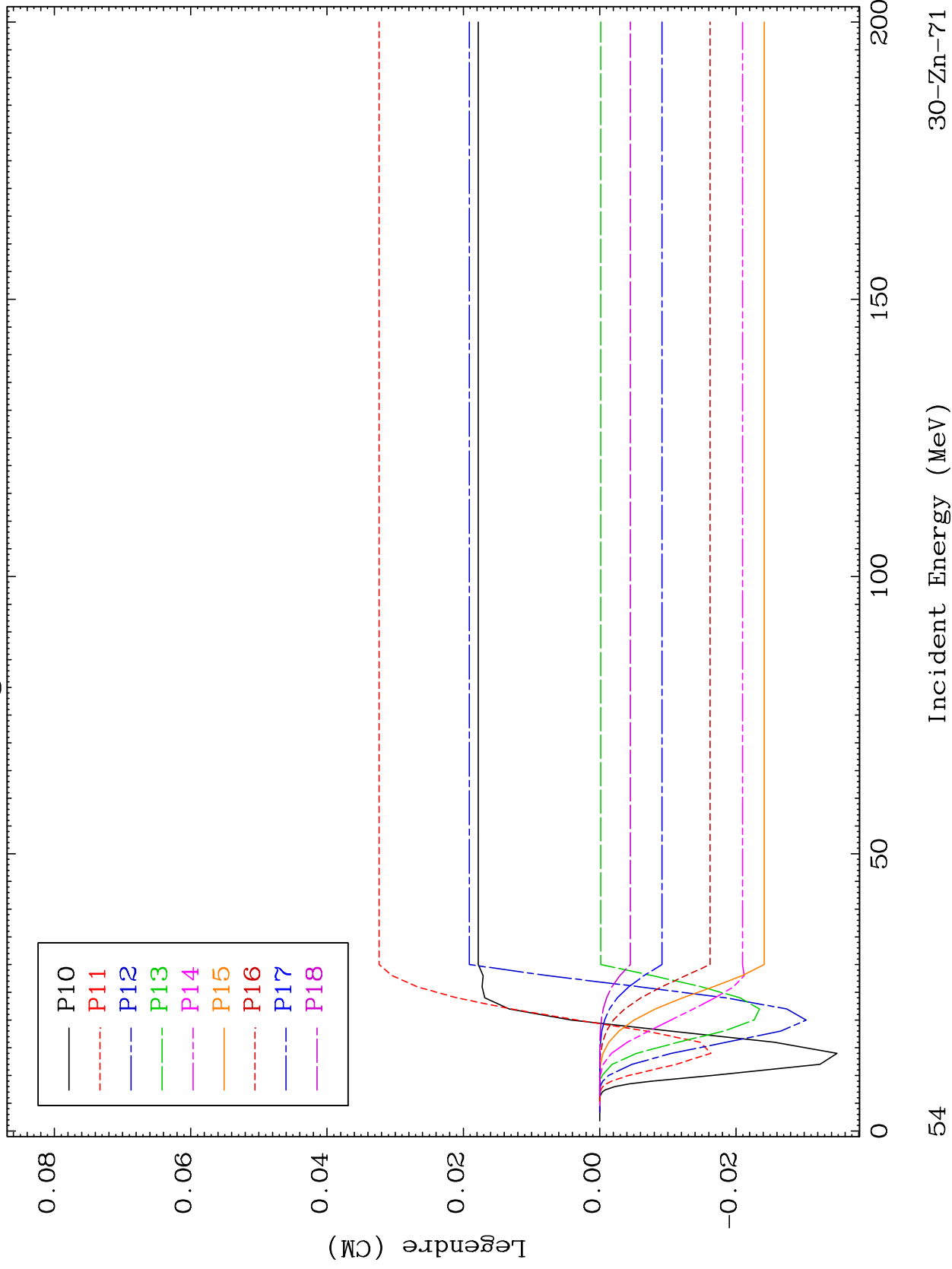




MAT 3046

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

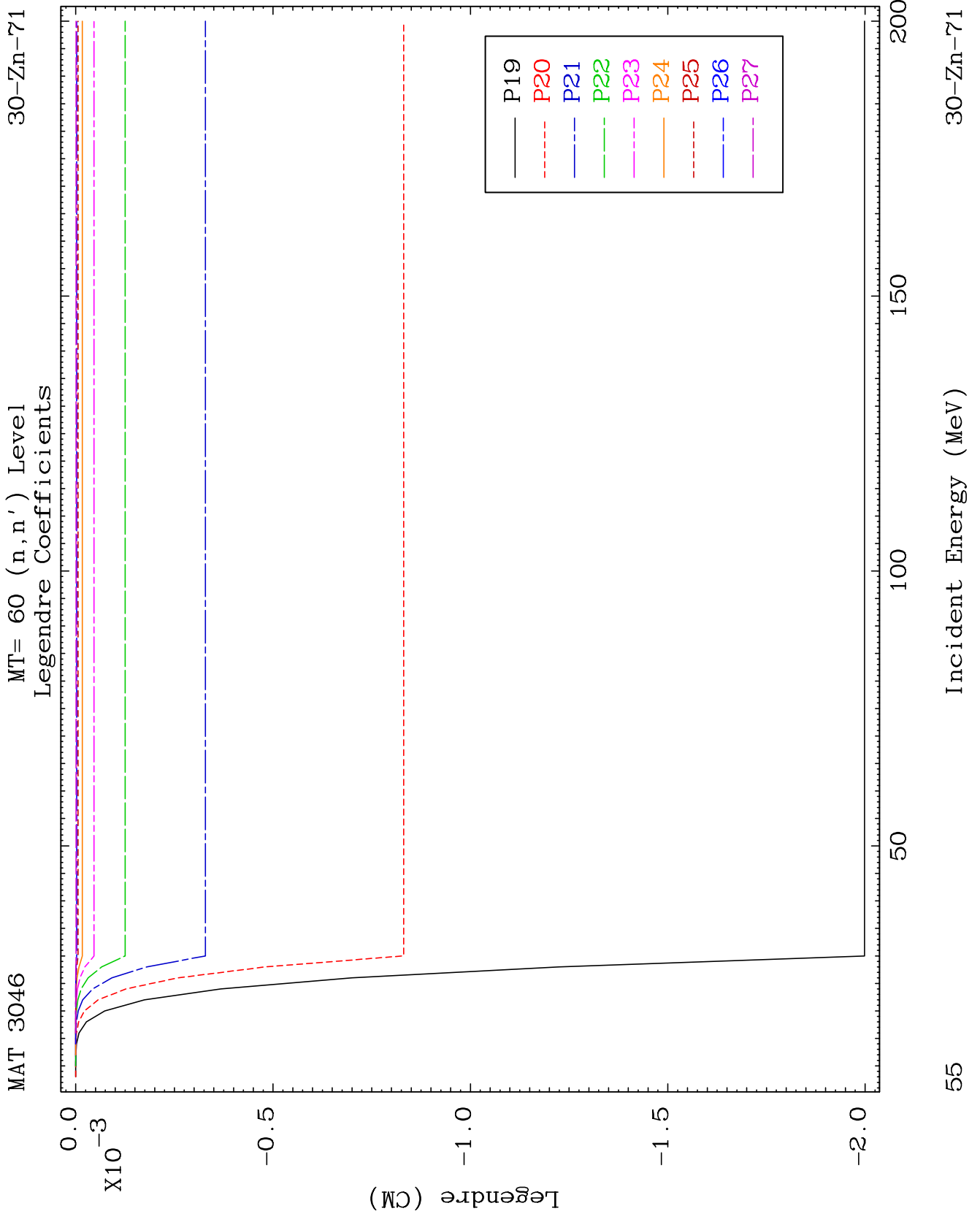
30-Zn-71

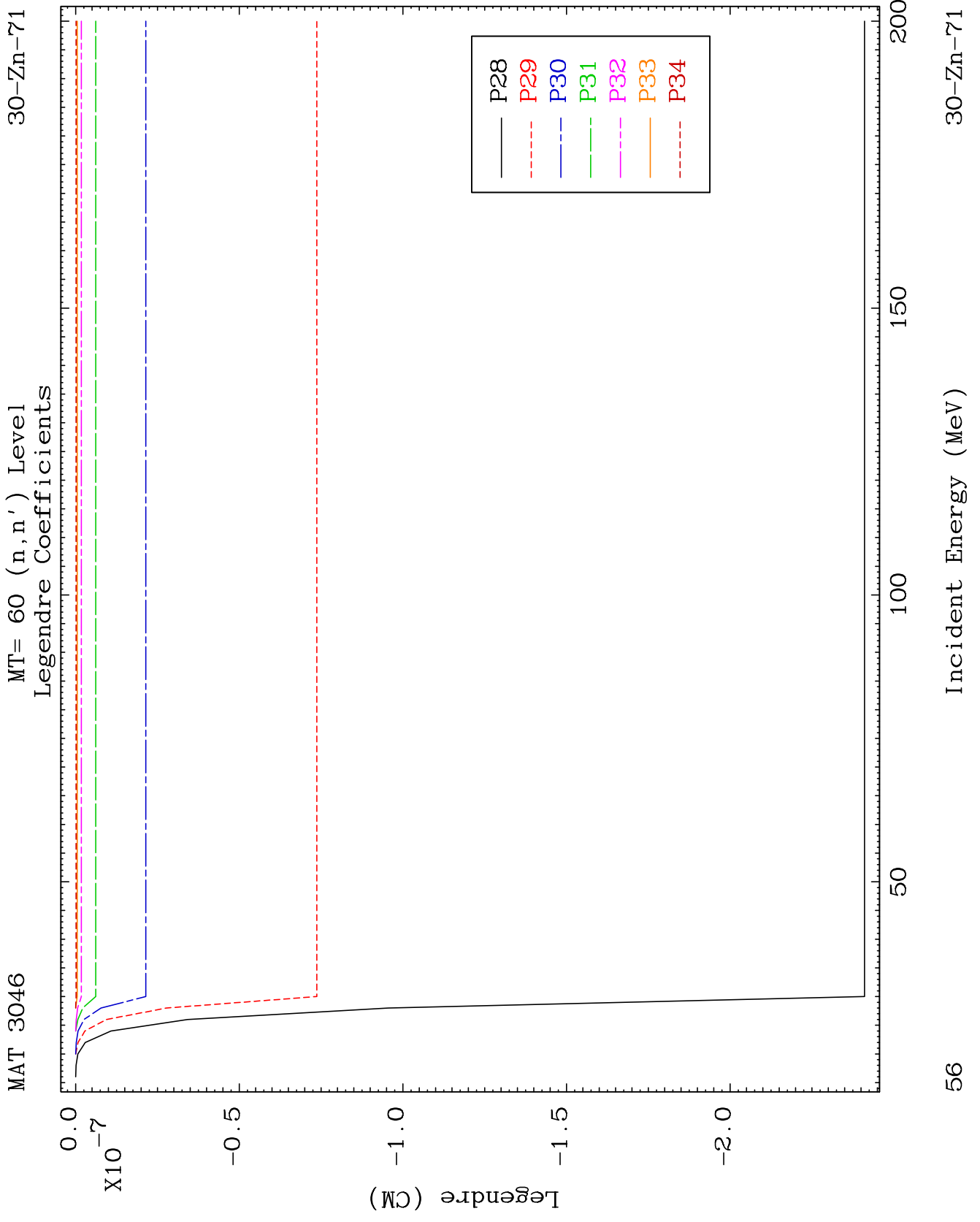


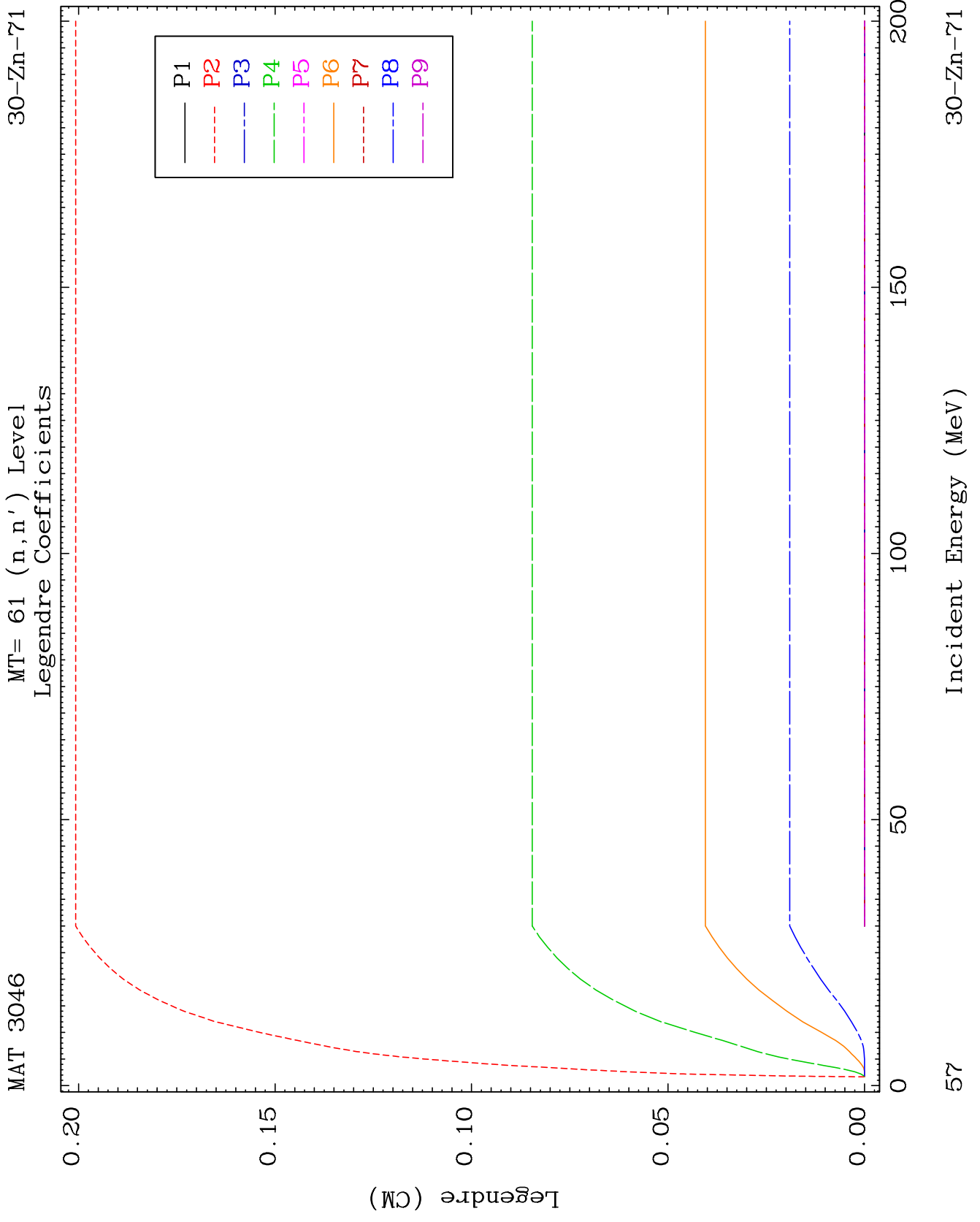
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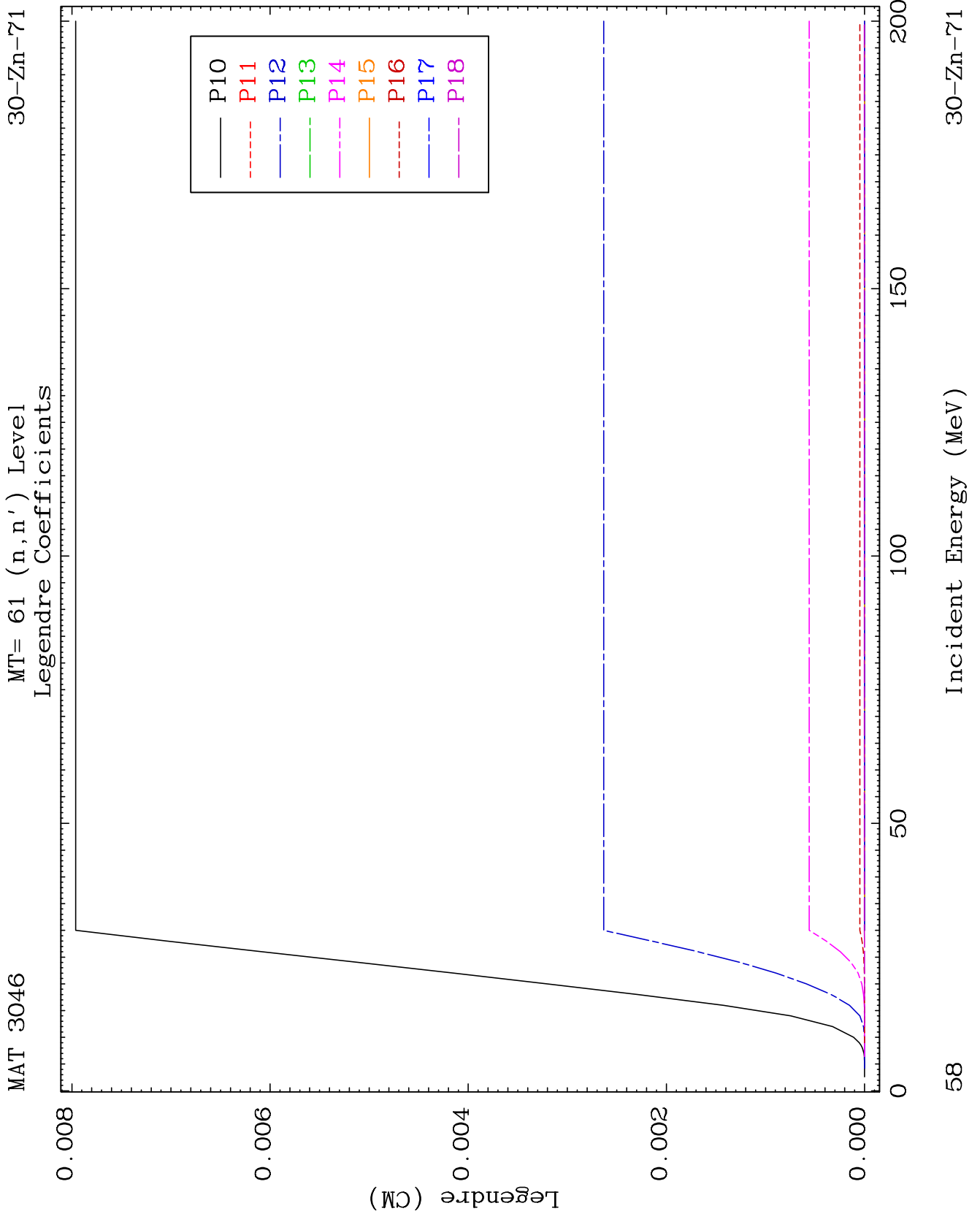
Incident Energy (MeV)

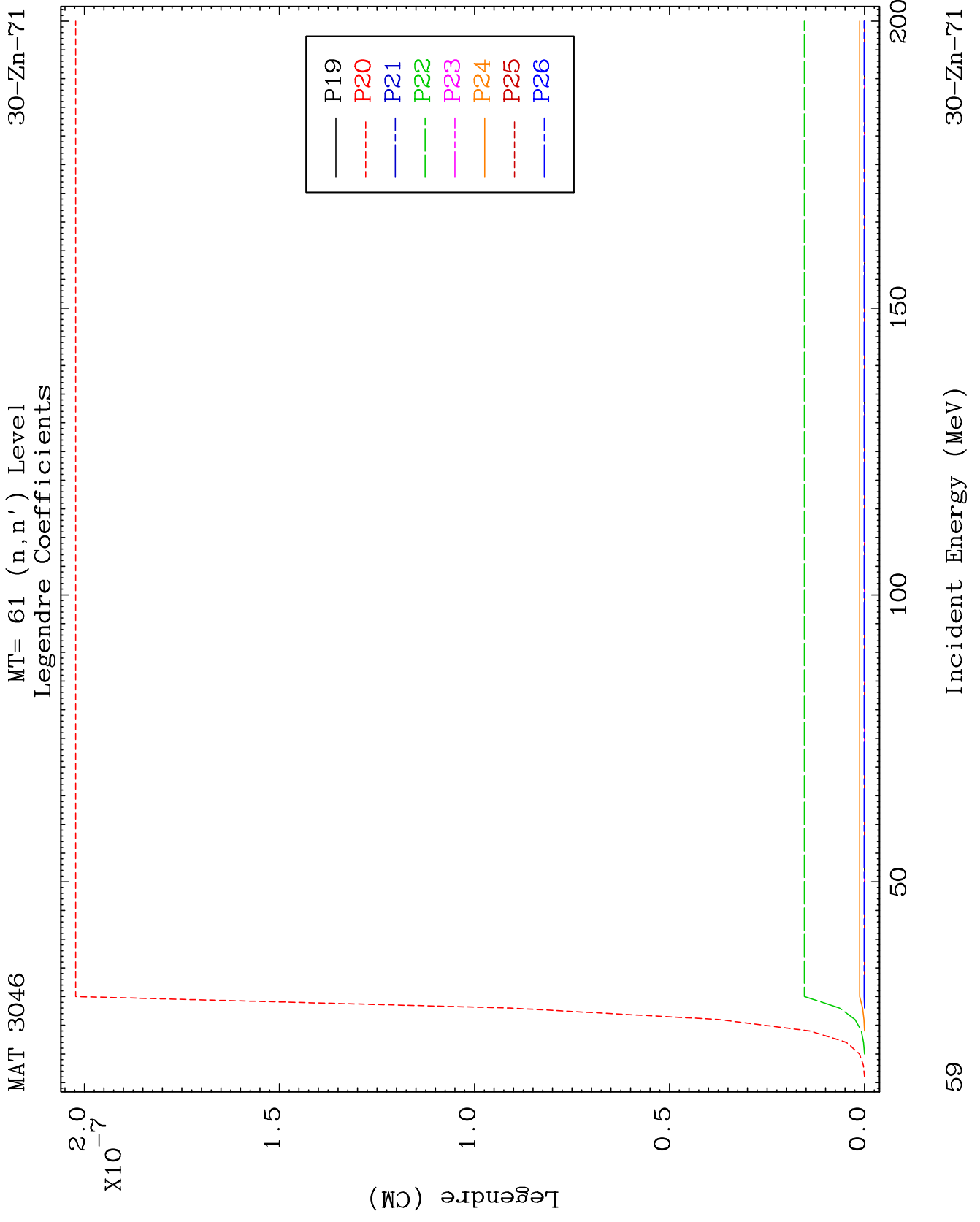
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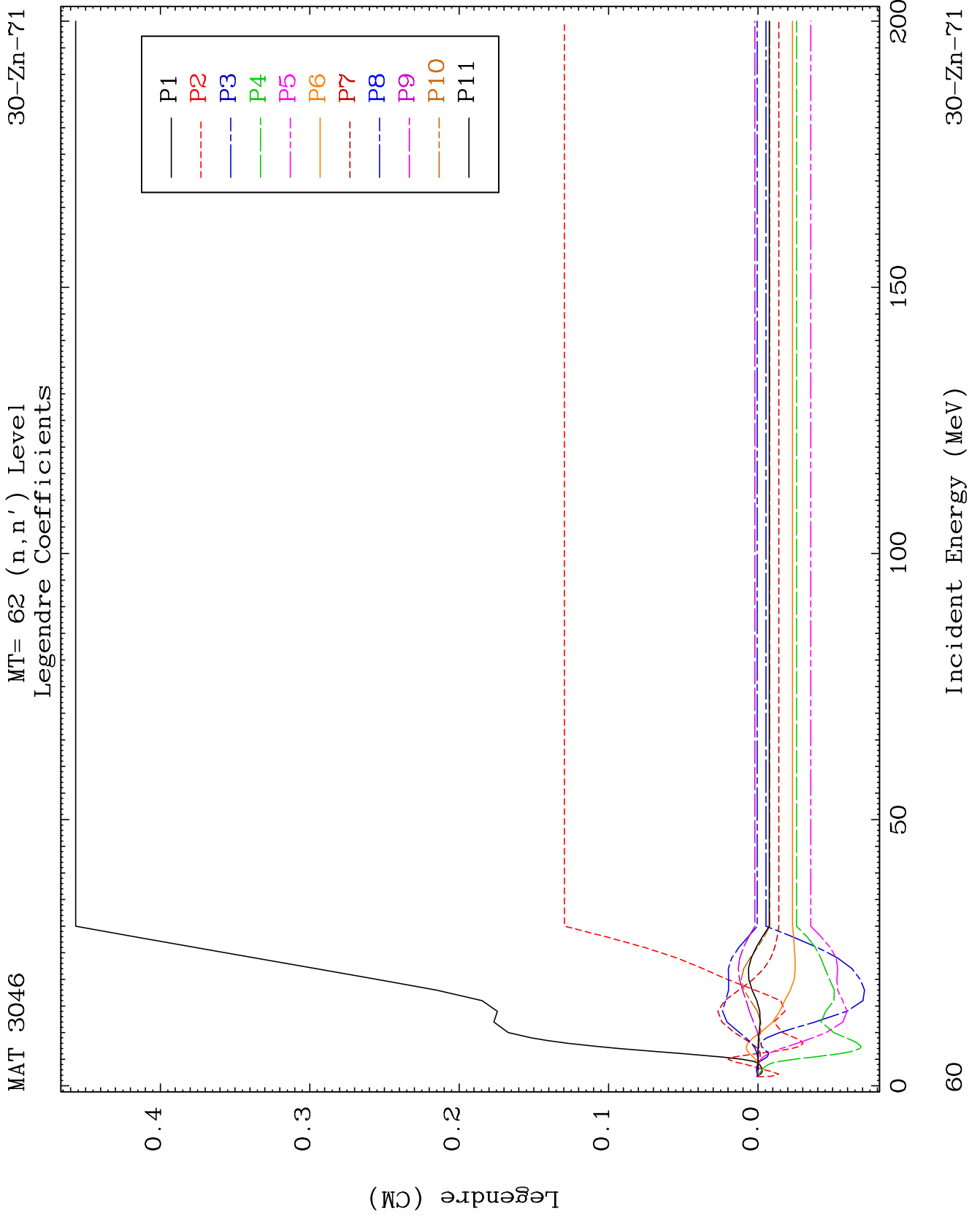








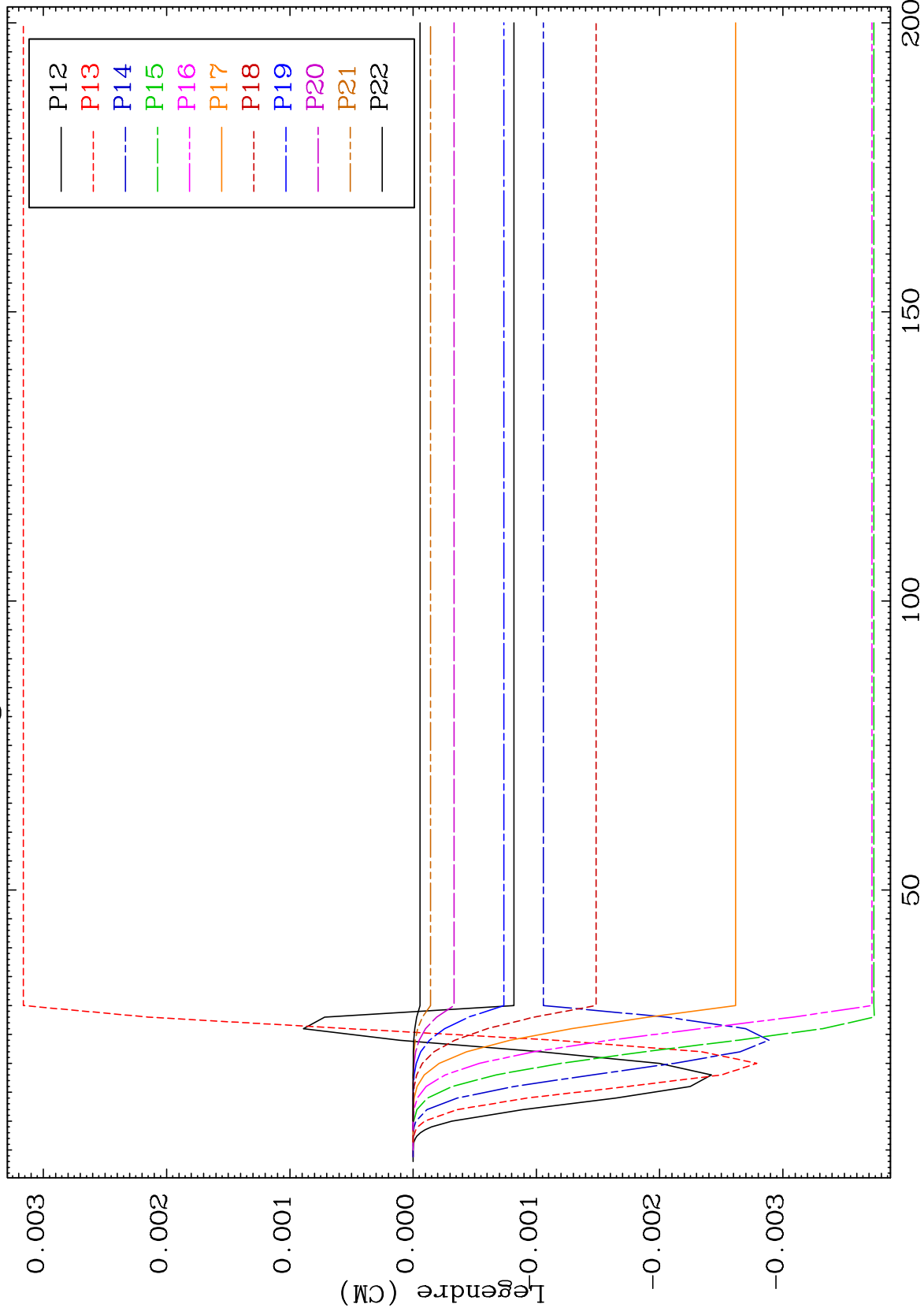




MAT 3046

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

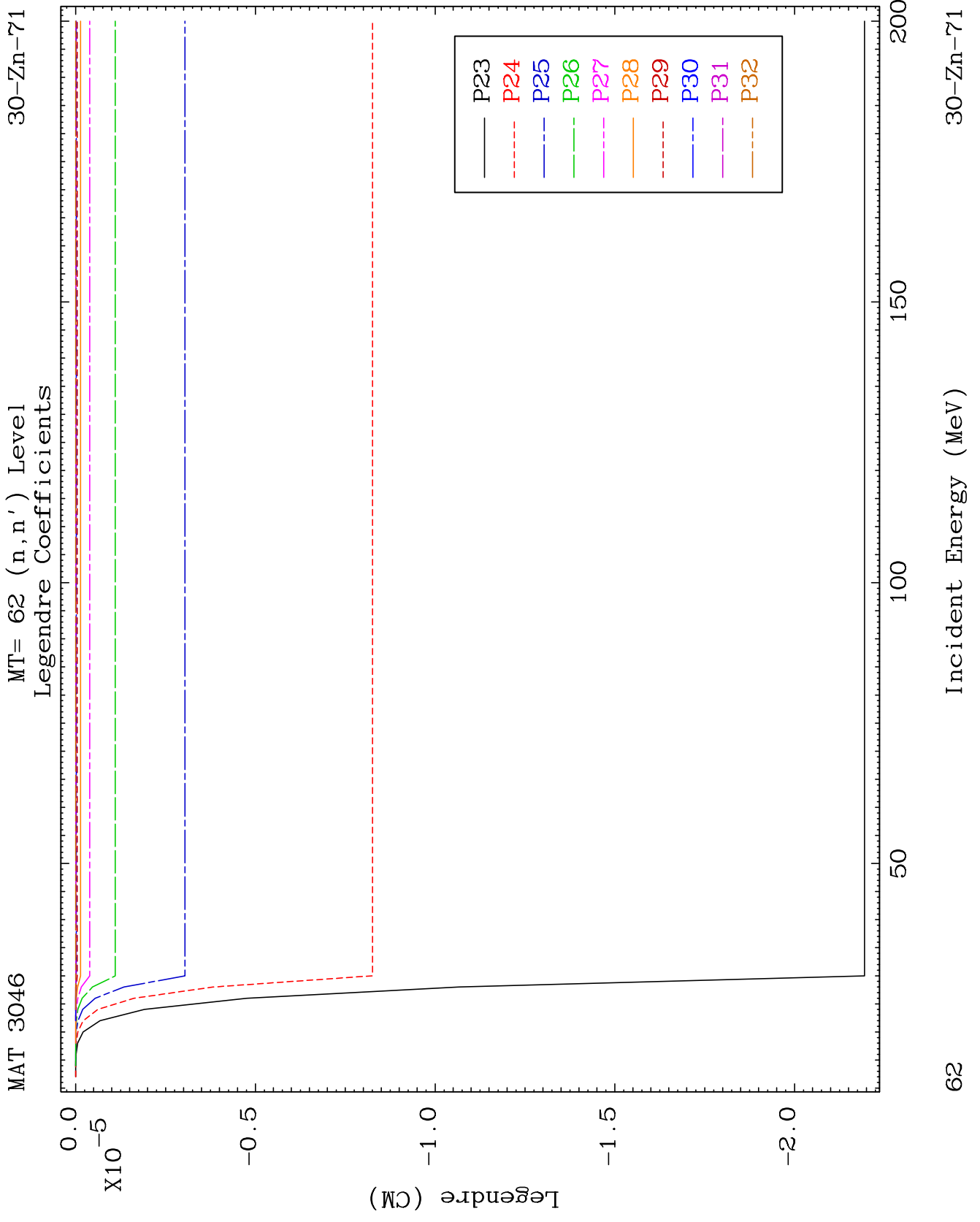
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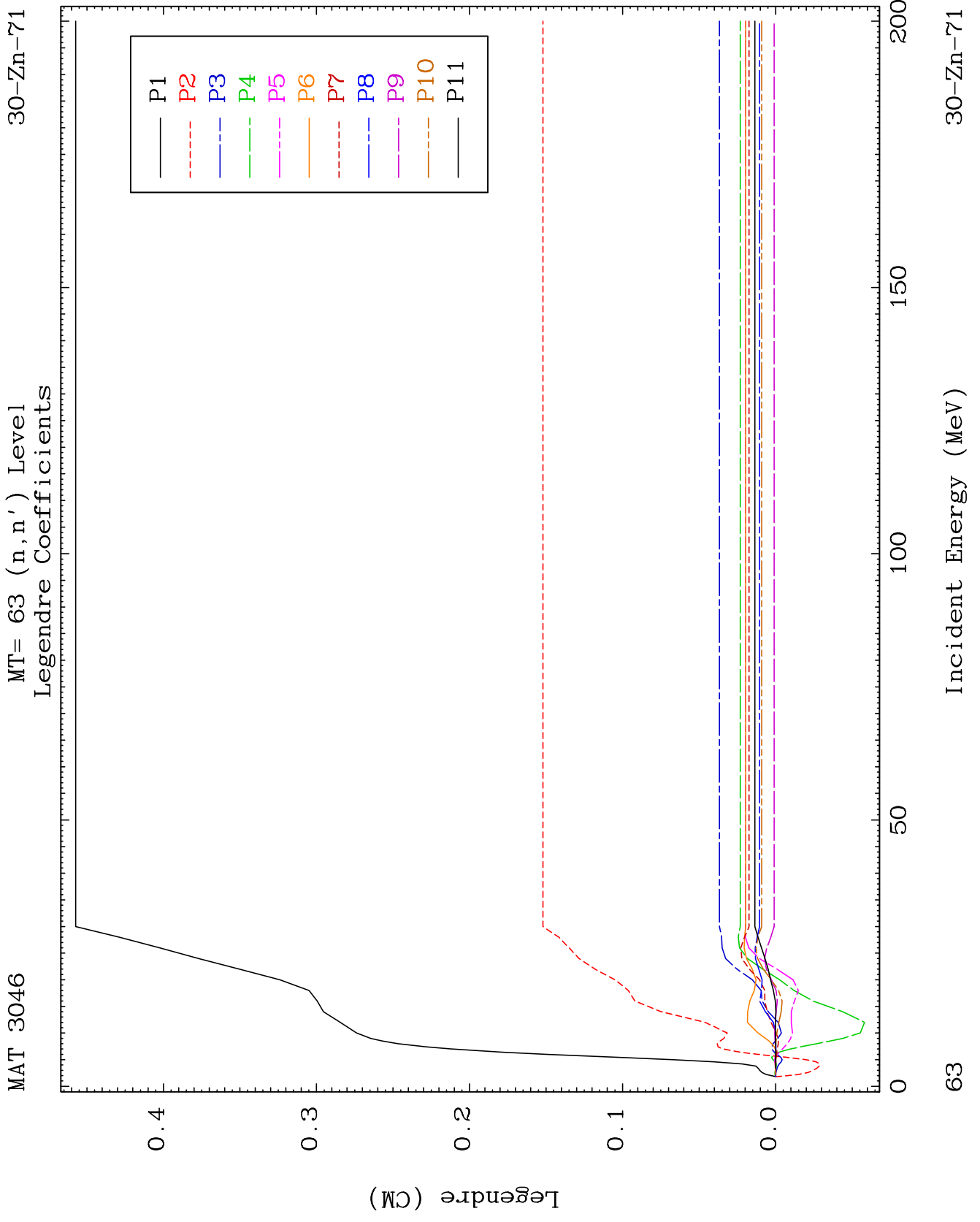


61

Incident Energy (MeV)

30-Zn-71

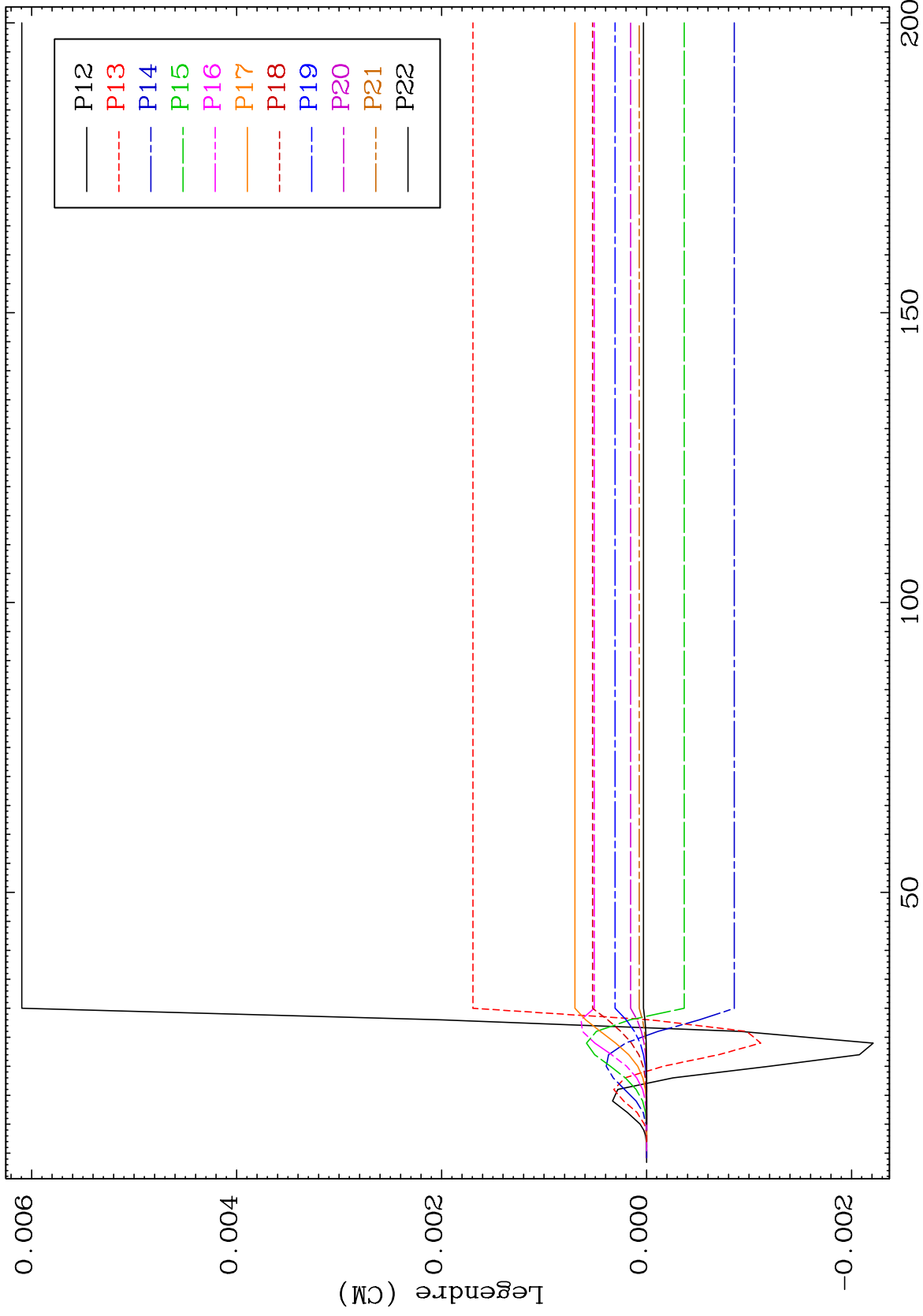




MAT 3046

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

30-Zn-71



64

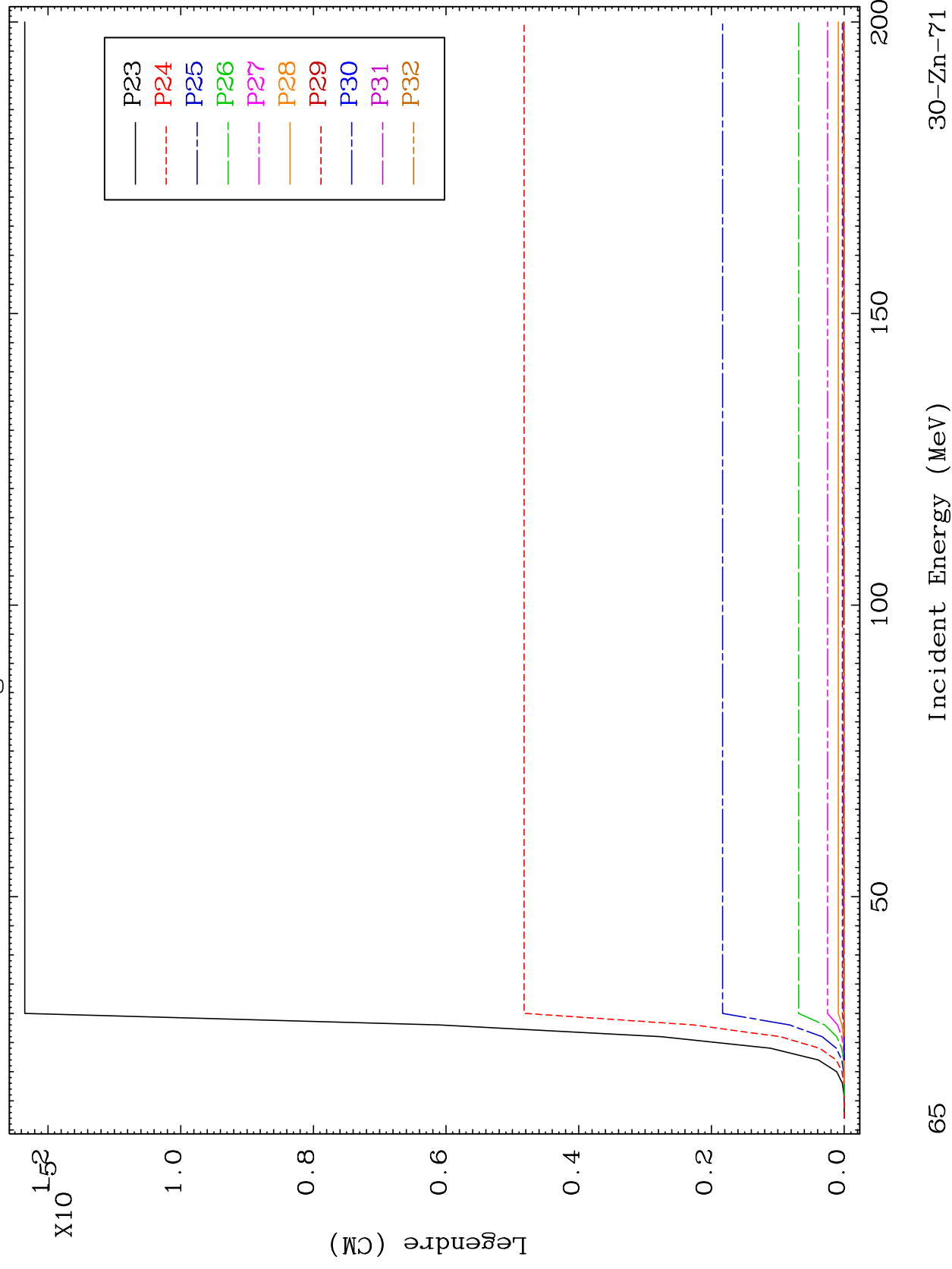
Incident Energy (MeV)

30-Zn-71

MAT 3046

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

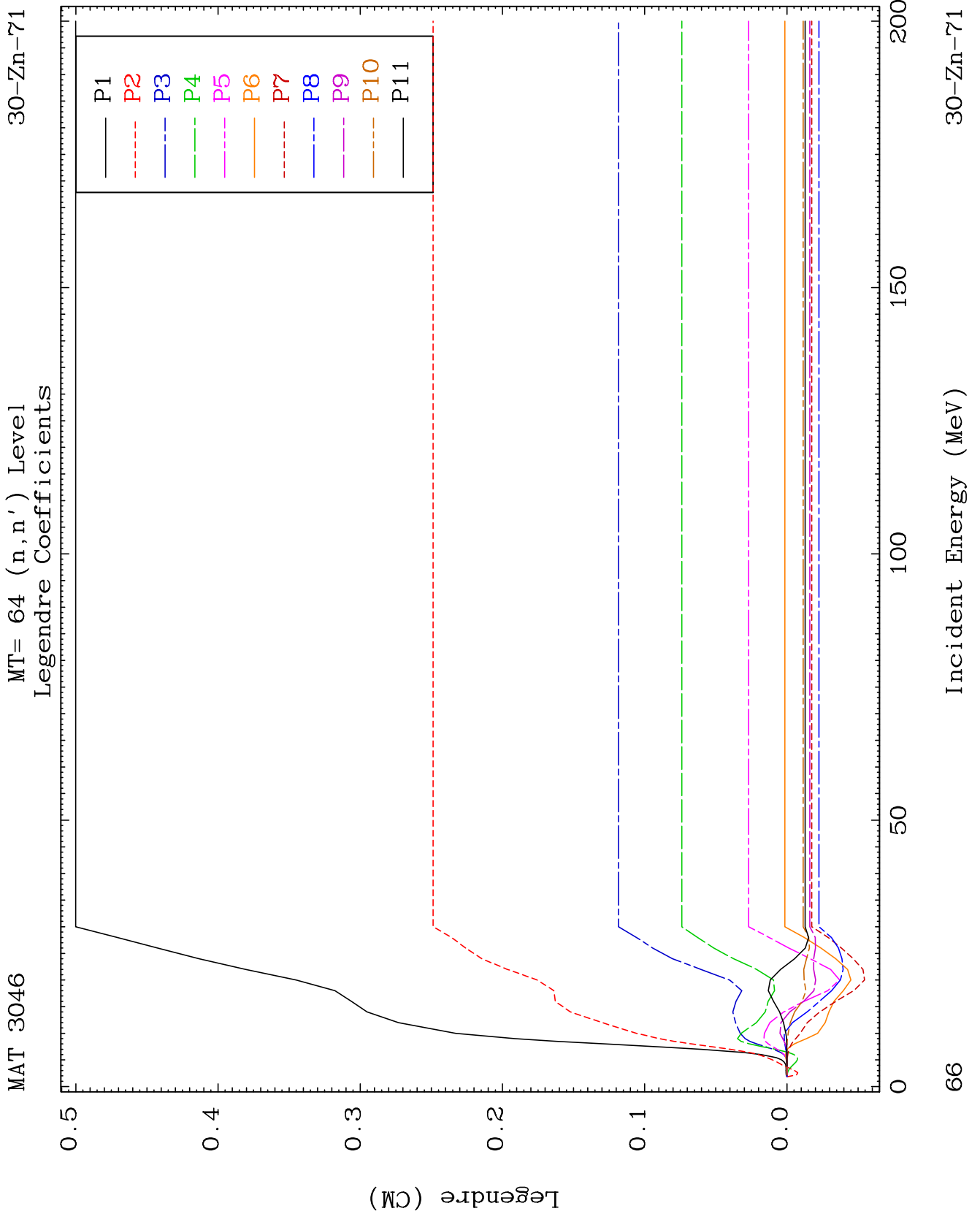
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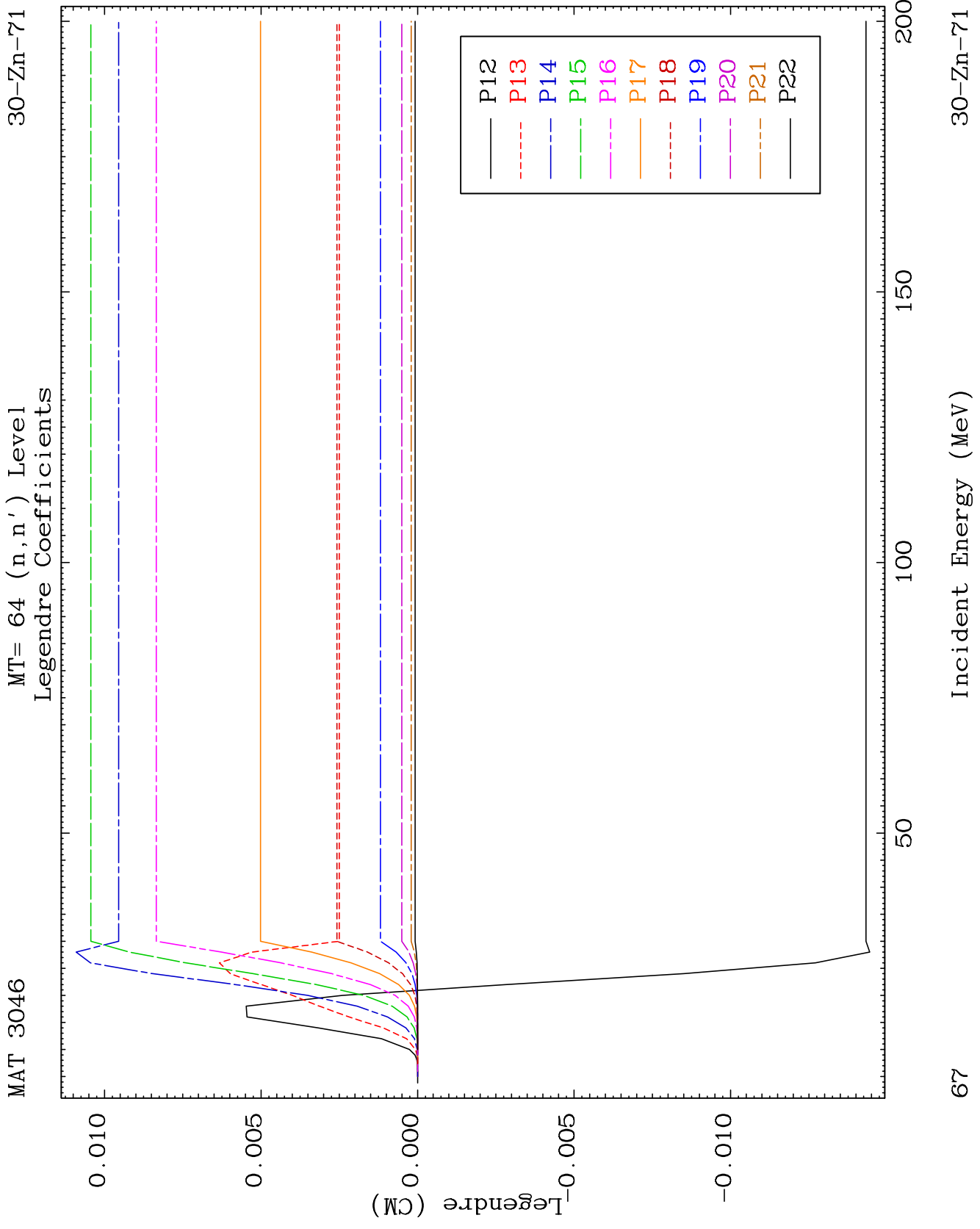


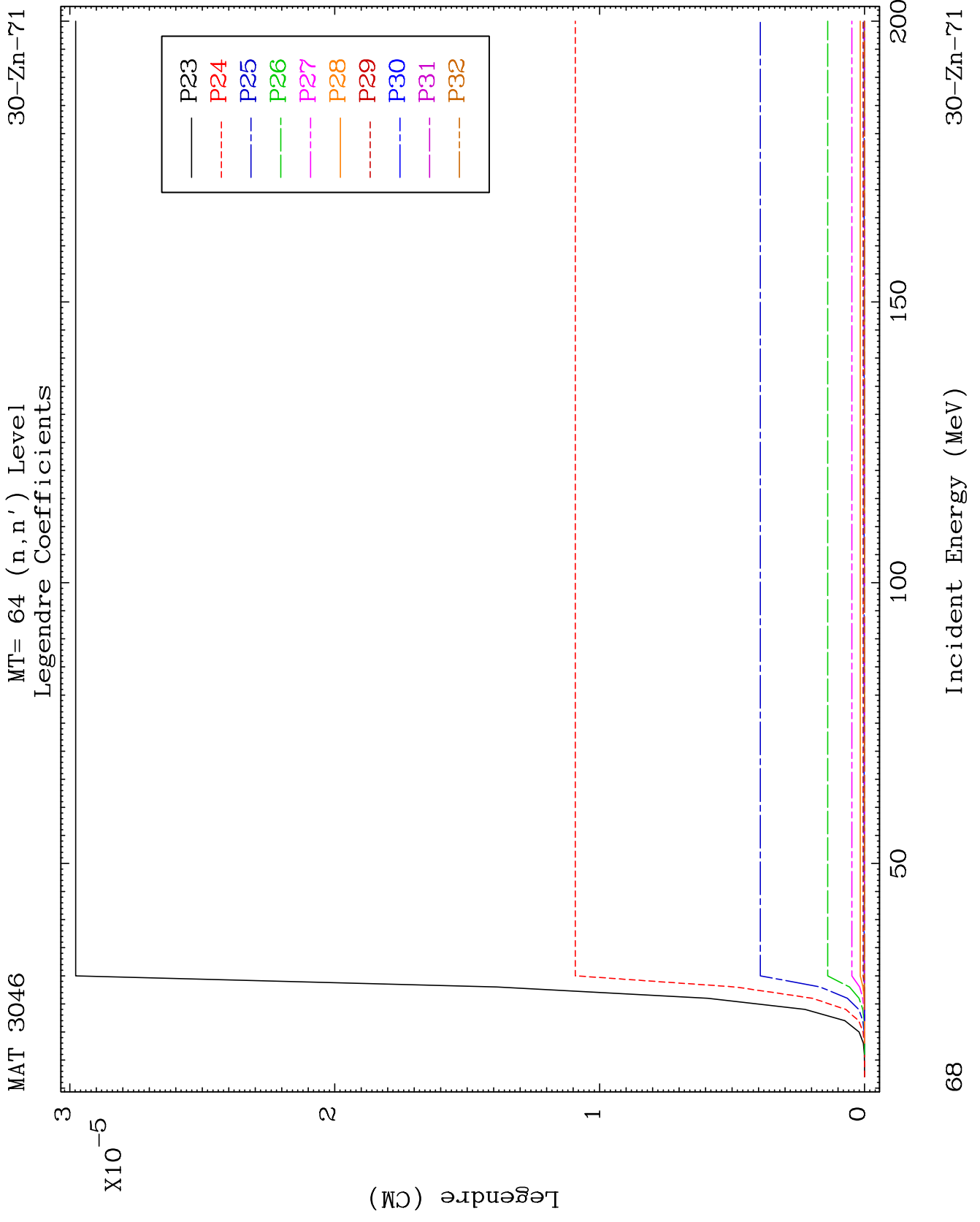
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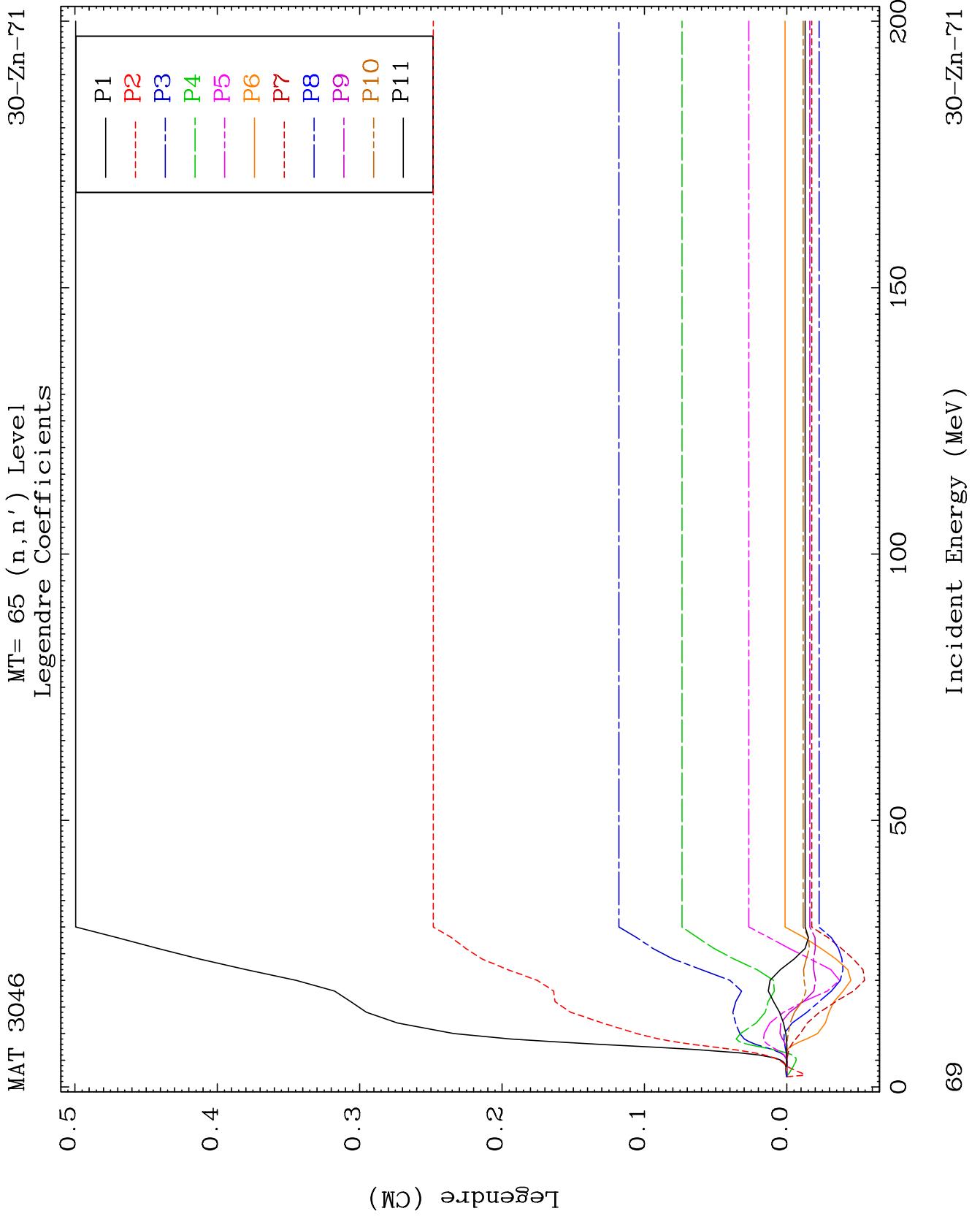
Incident Energy (MeV)

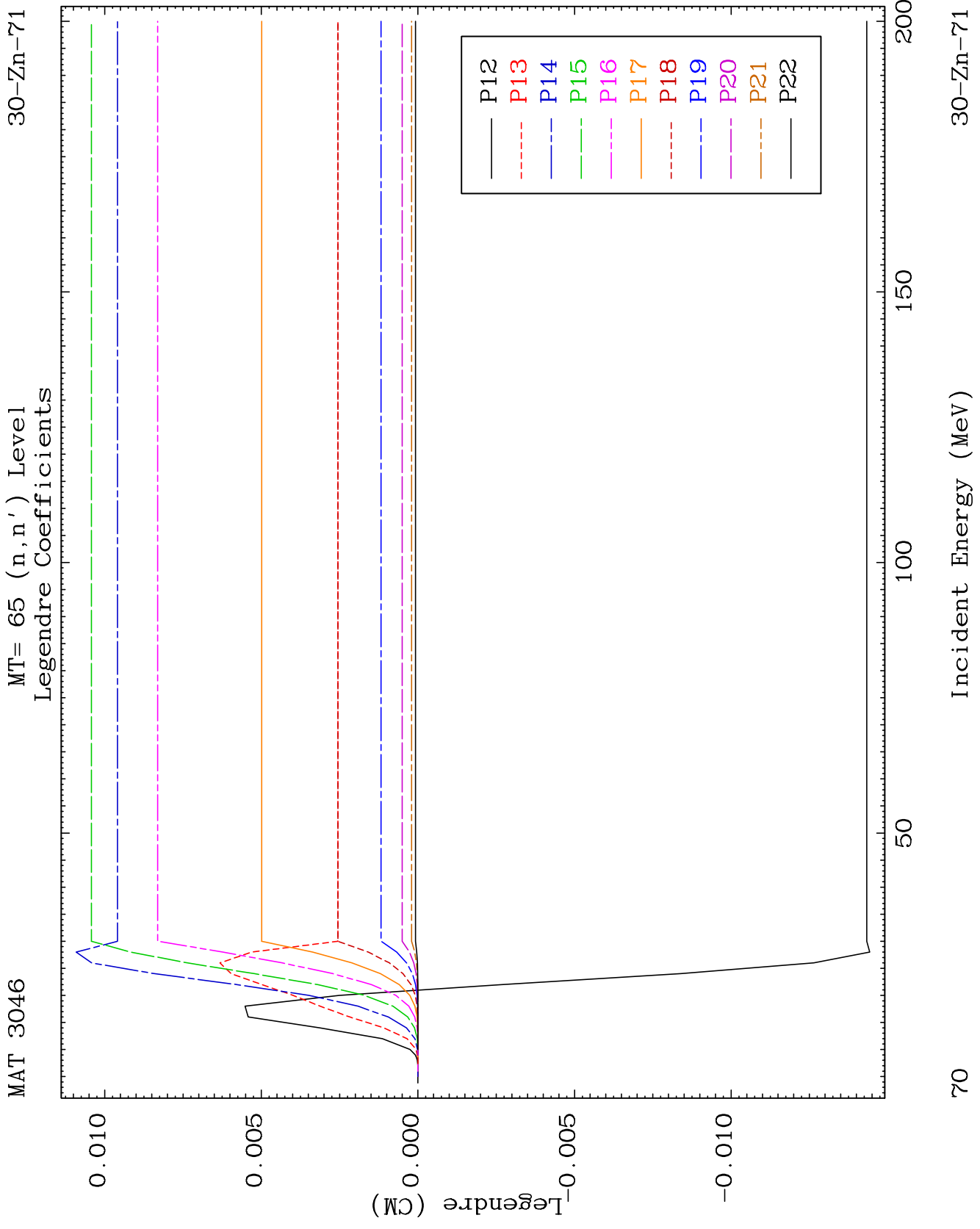
30-Zn-71

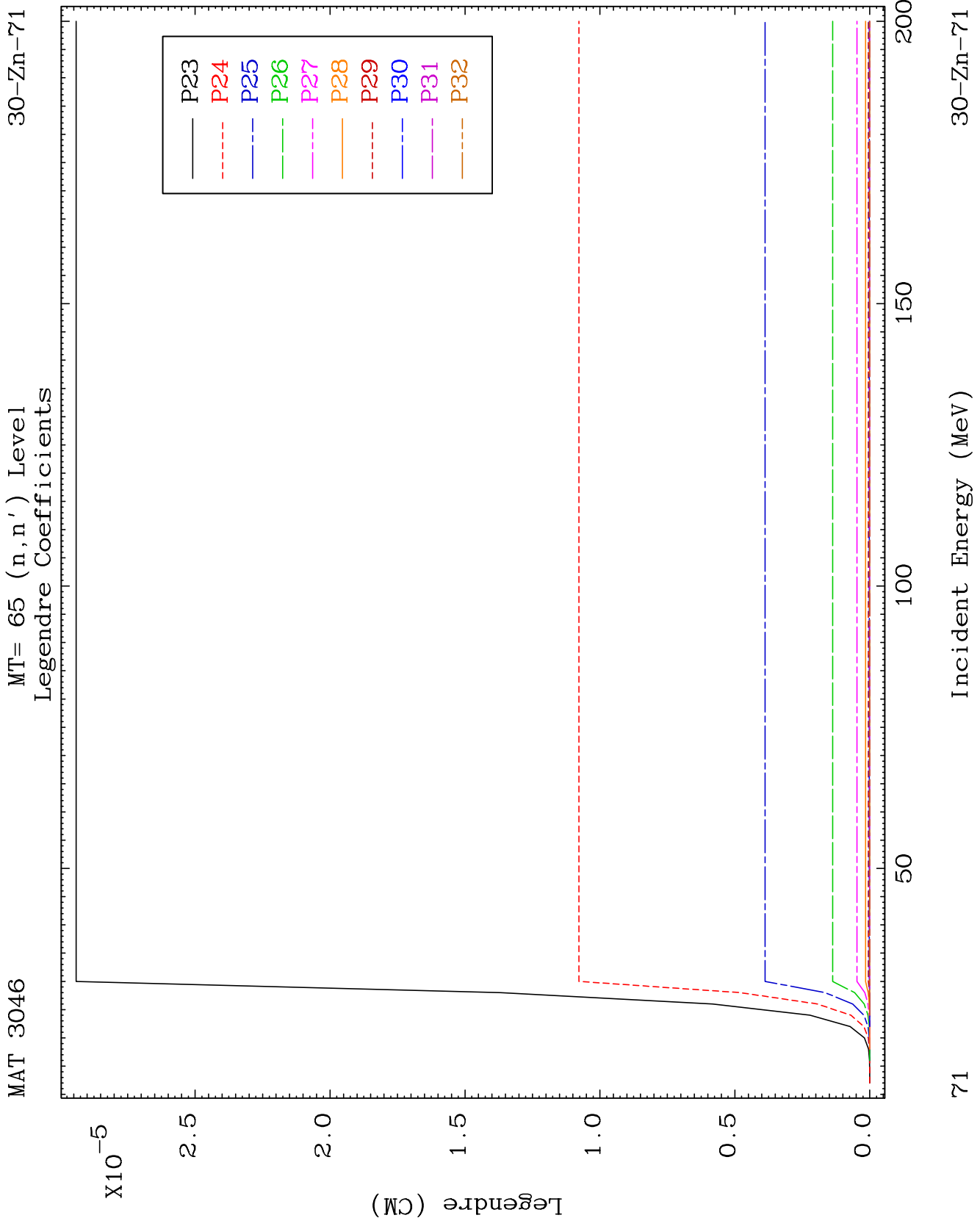


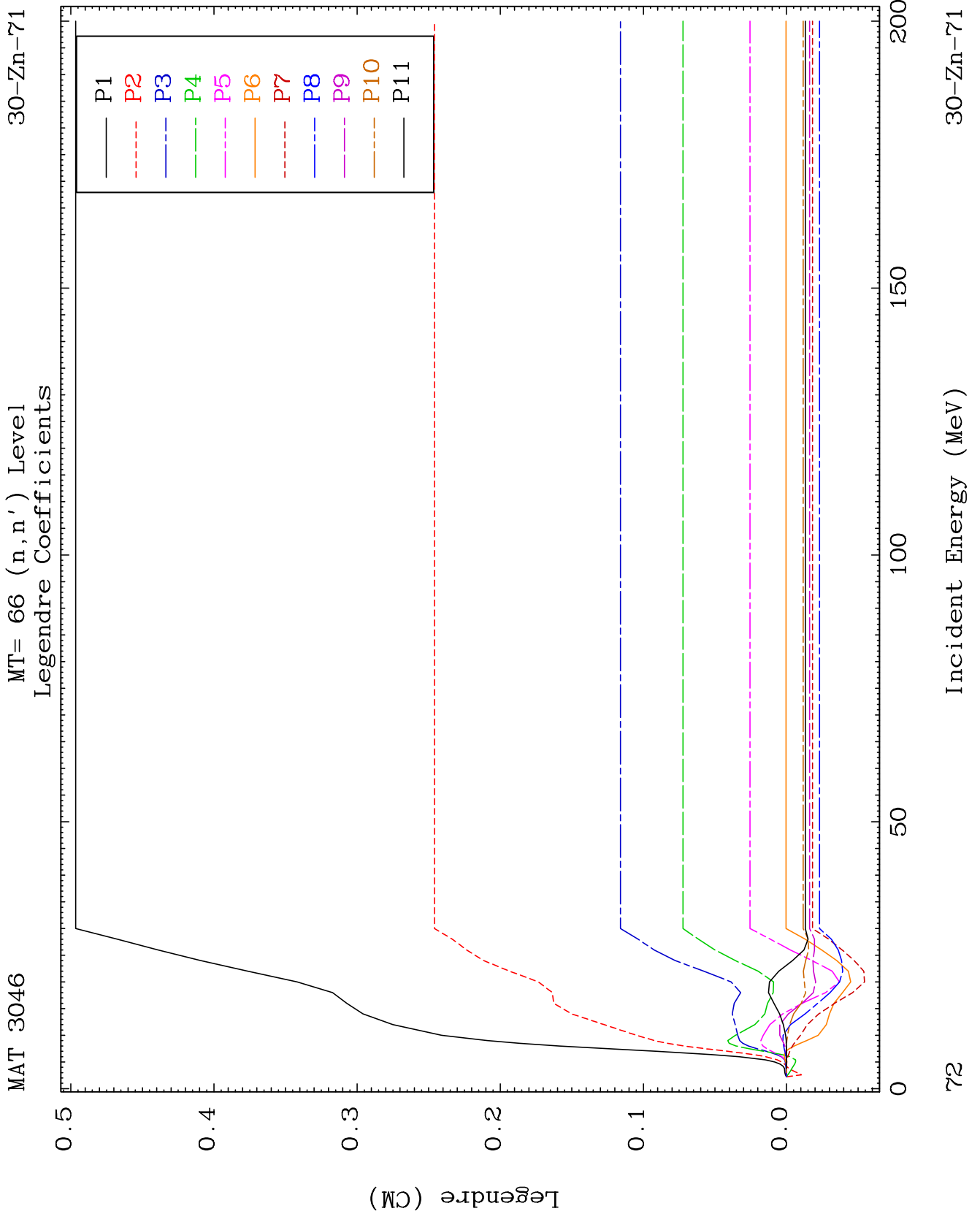




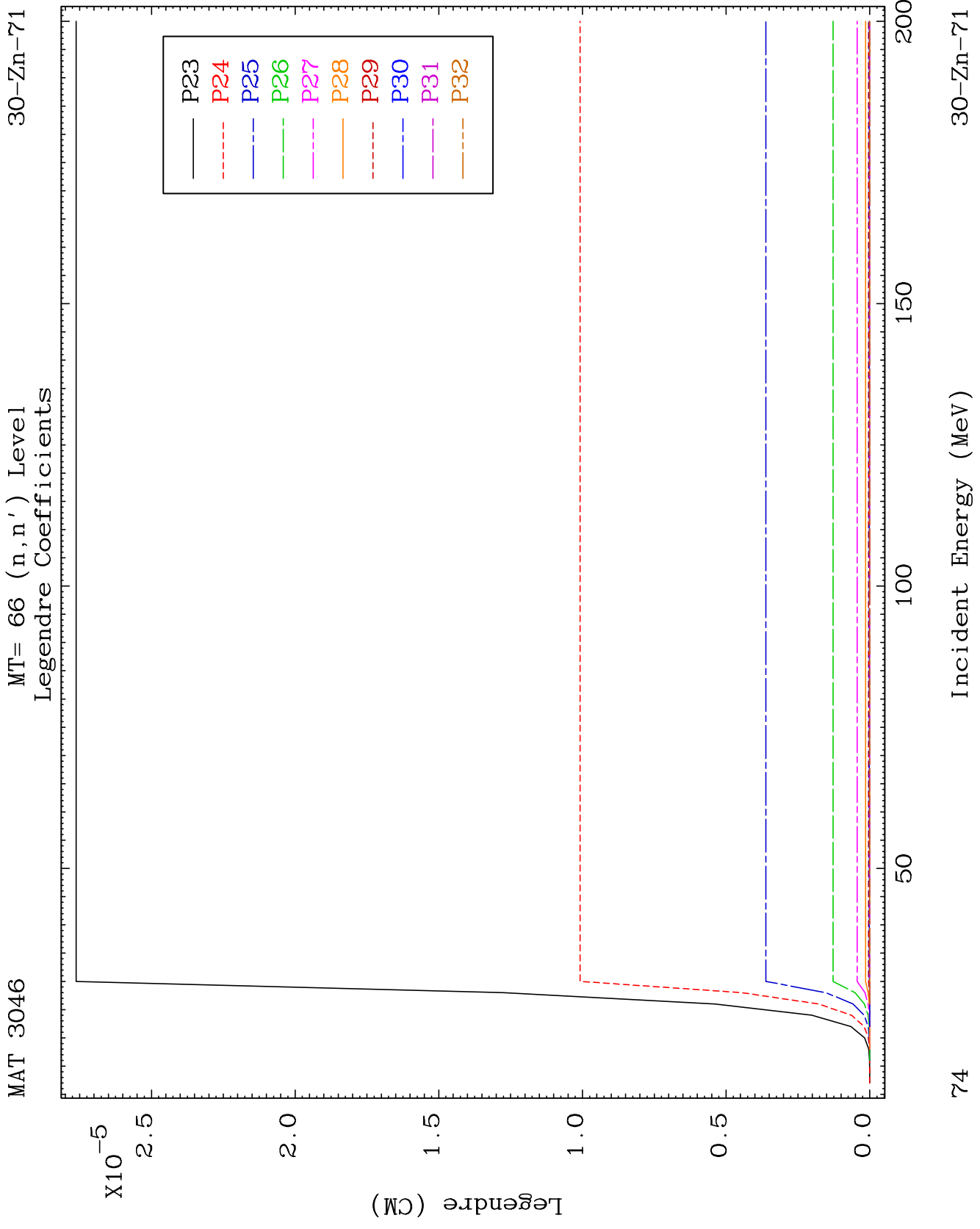


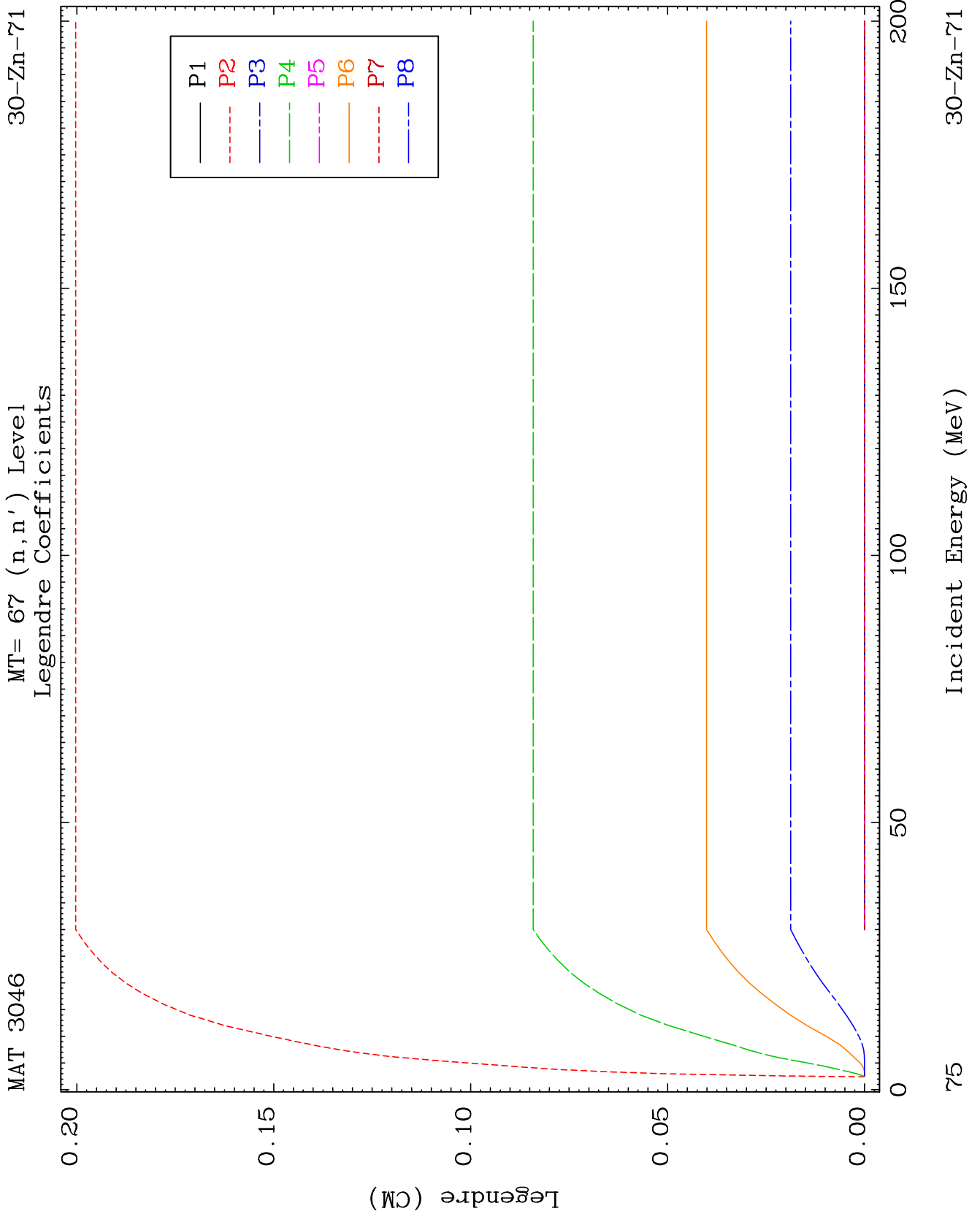


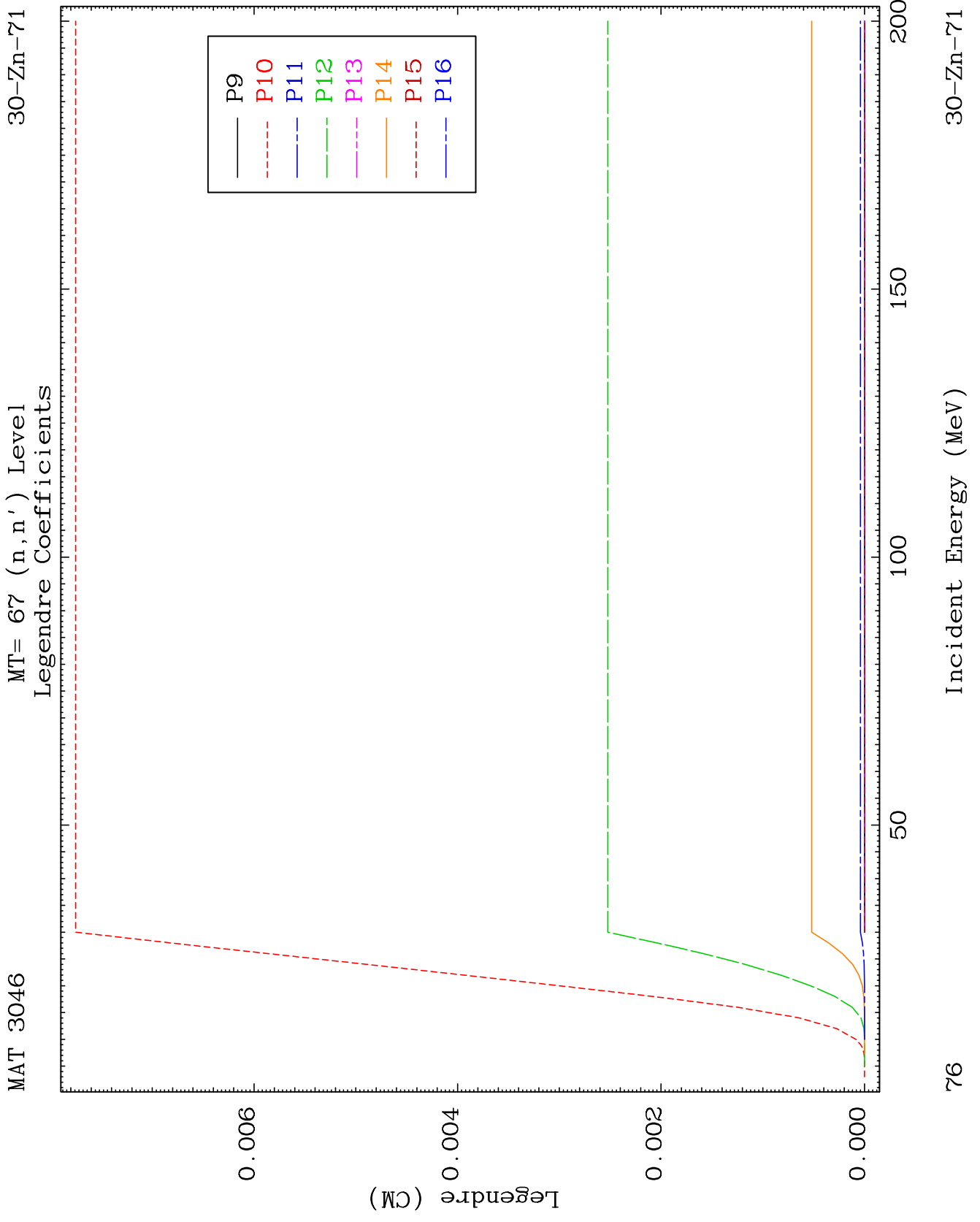


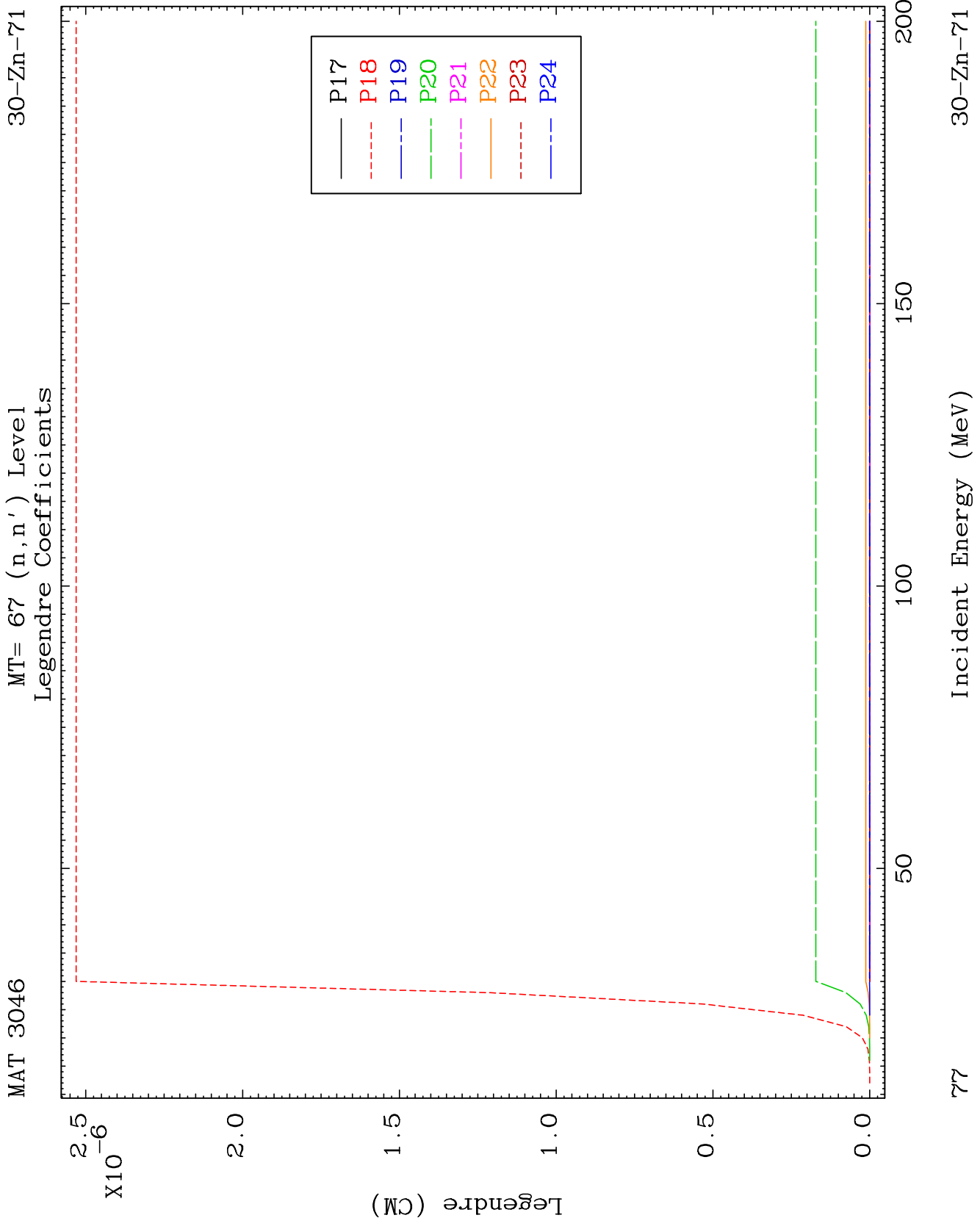








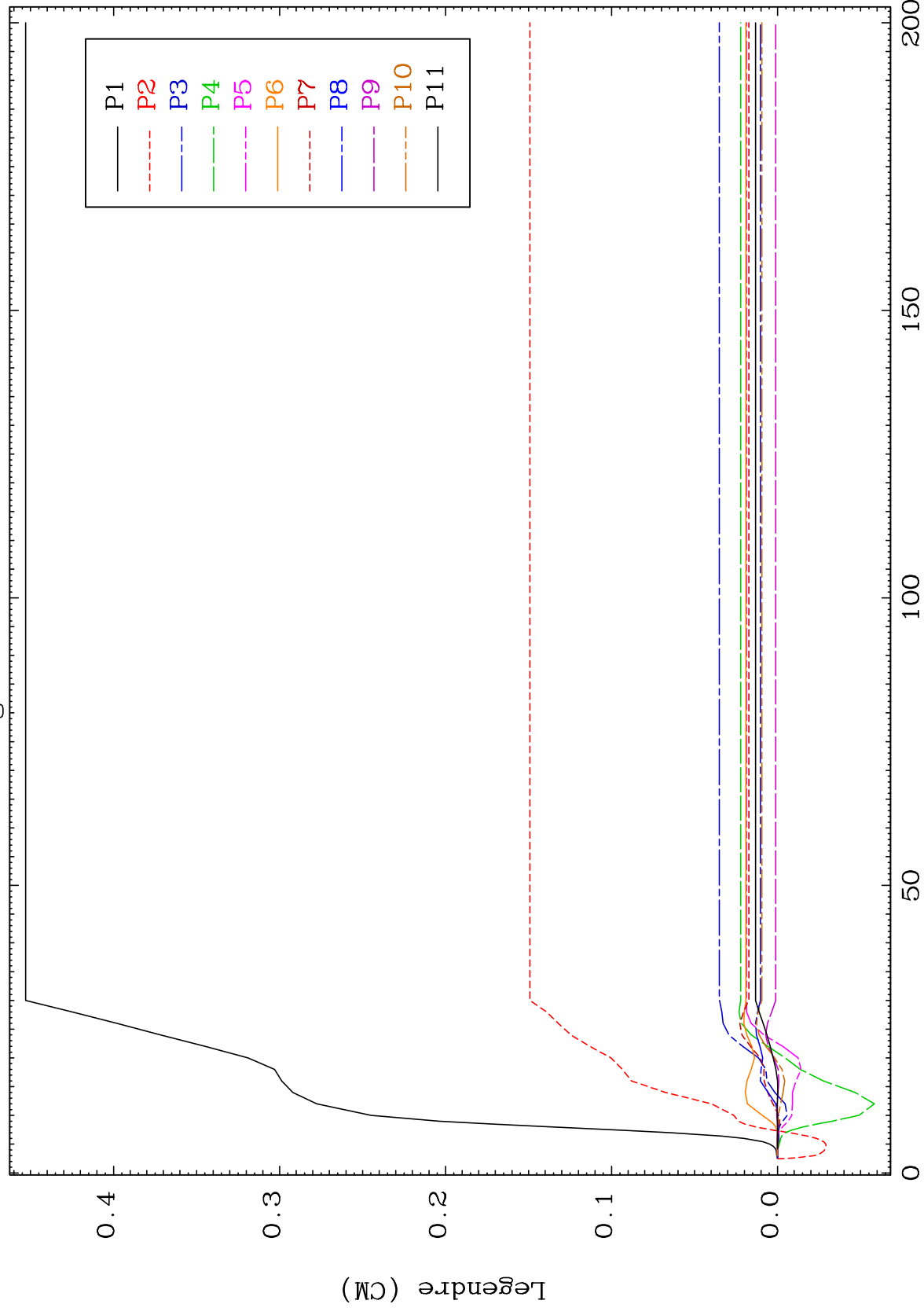




MAT 3046

MT= 68 (n,n') Level  
Legendre Coefficients

30-Zn-71



78

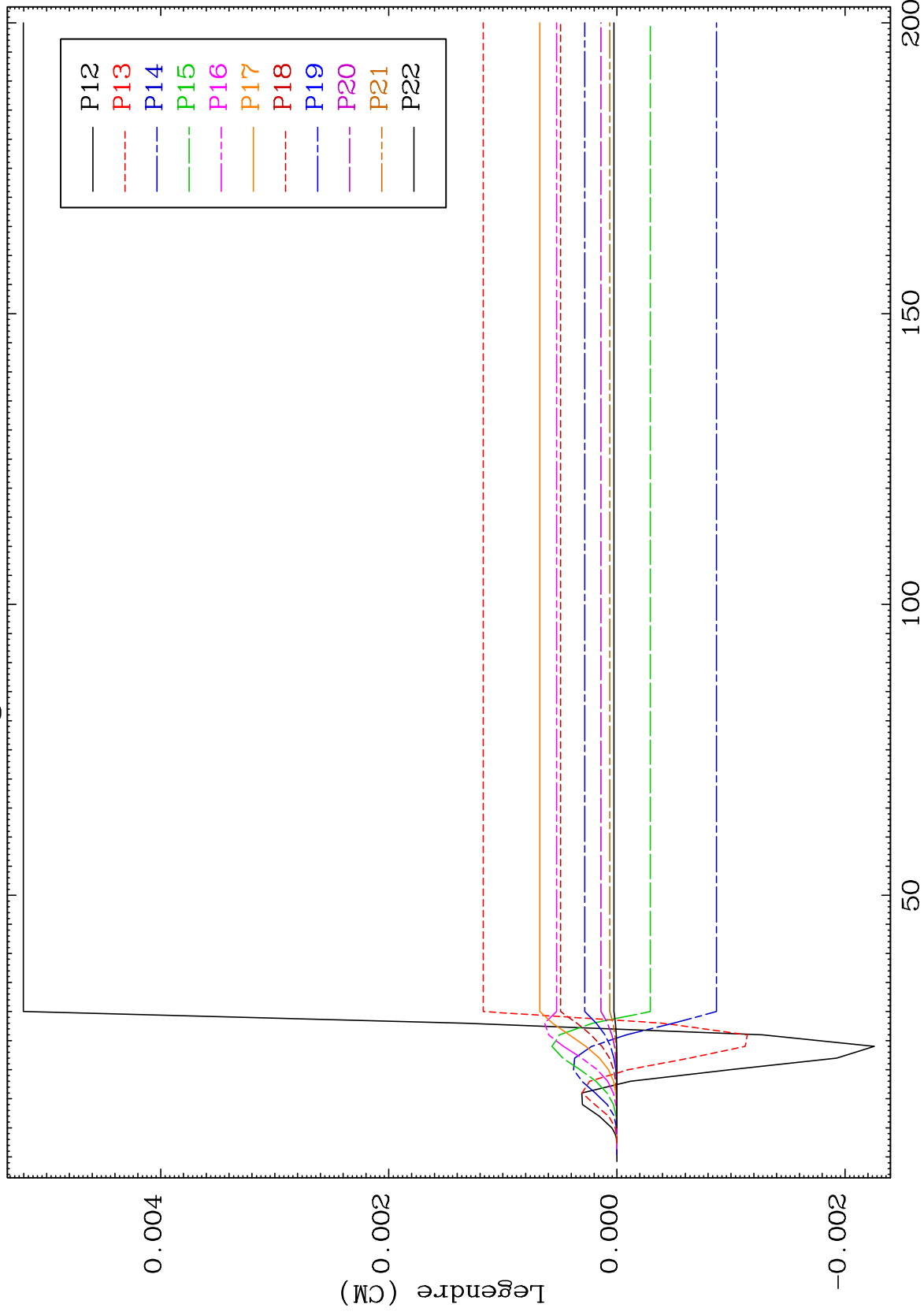
Incident Energy (MeV)

30-Zn-71

MAT 3046

MT= 68 (n,n') Level  
Legendre Coefficients

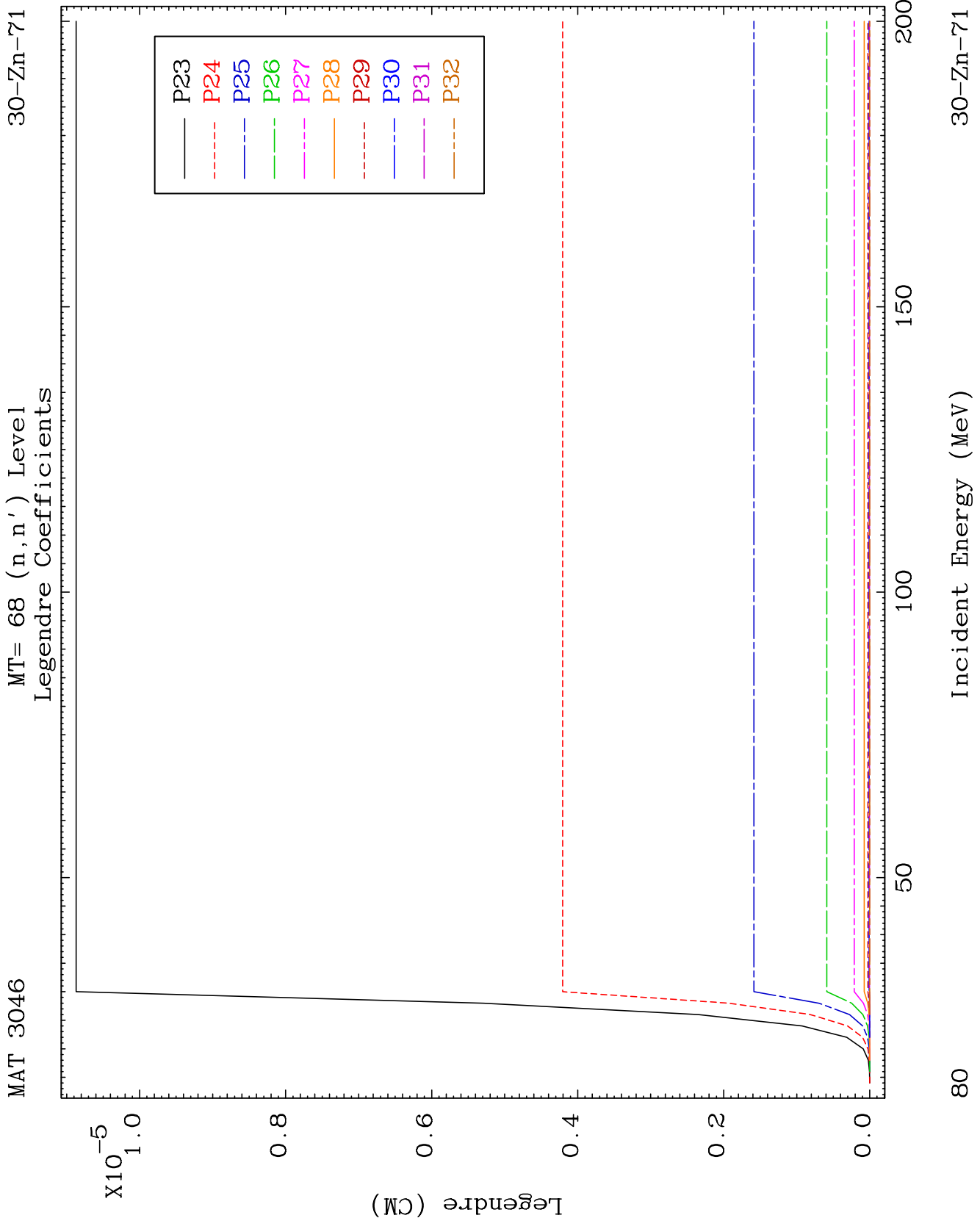
30-Zn-71

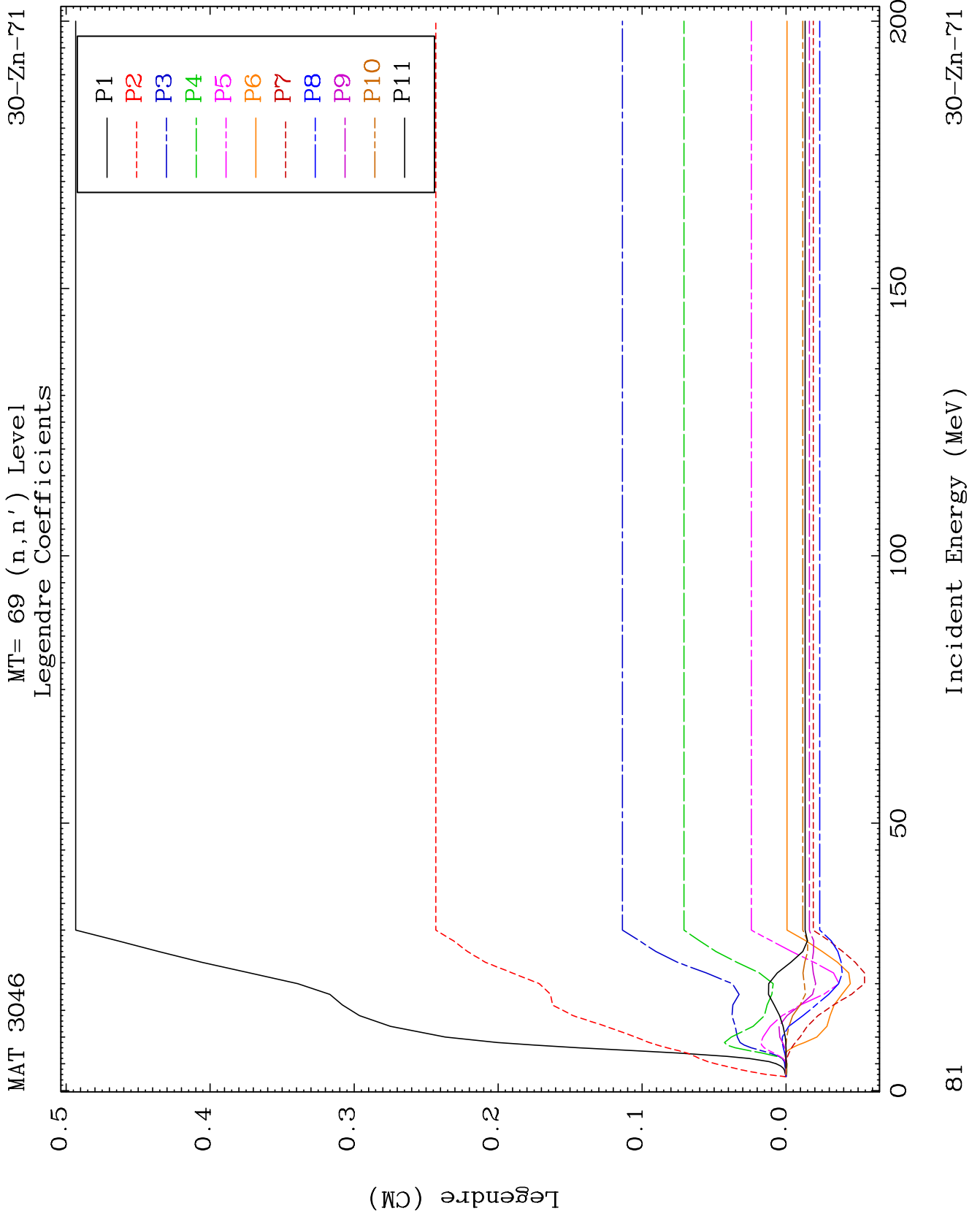


79

Incident Energy (MeV)

30-Zn-71

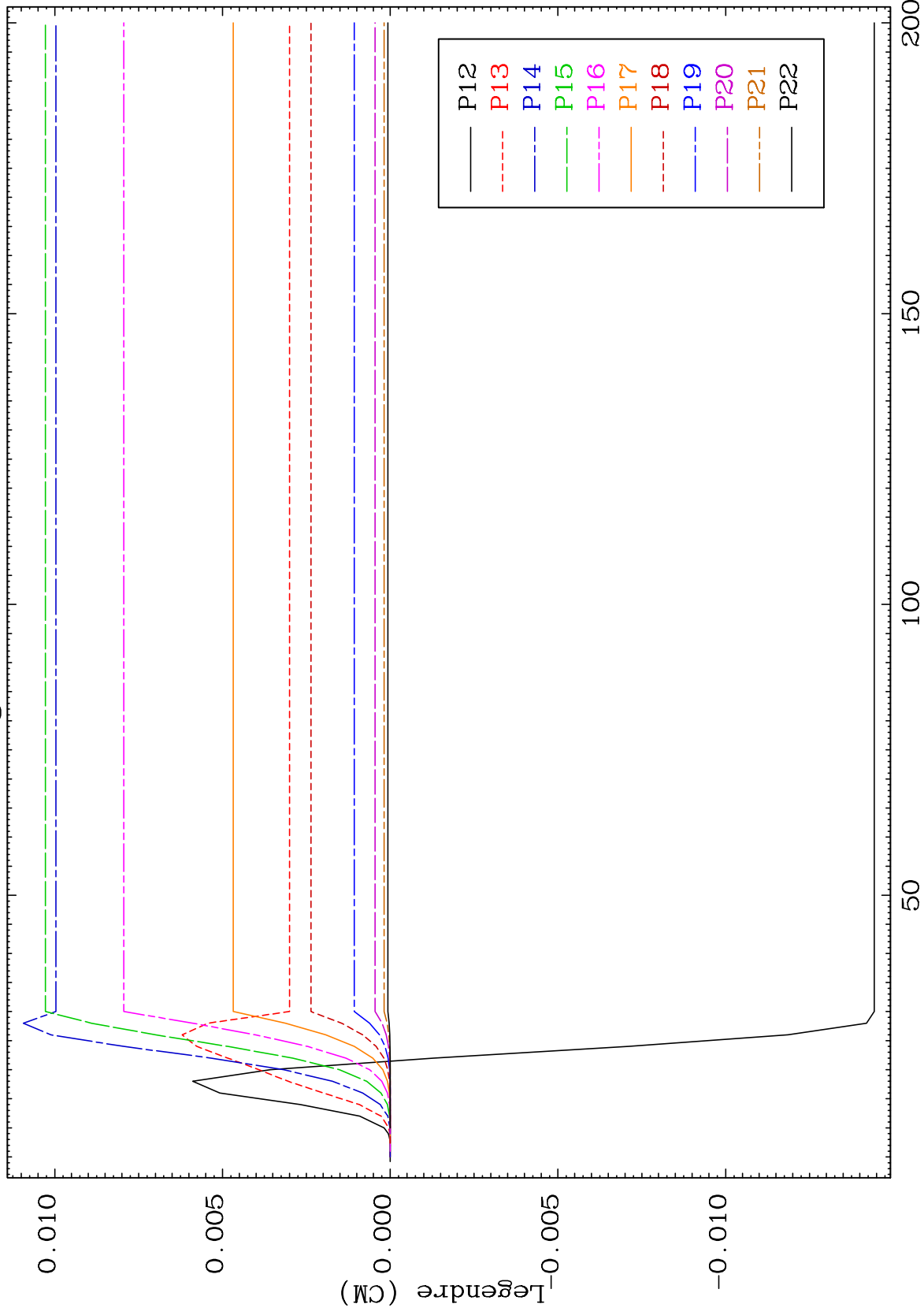




MAT 3046

MT= 69 (n,n') Level  
Legendre Coefficients

30-Zn-71



82

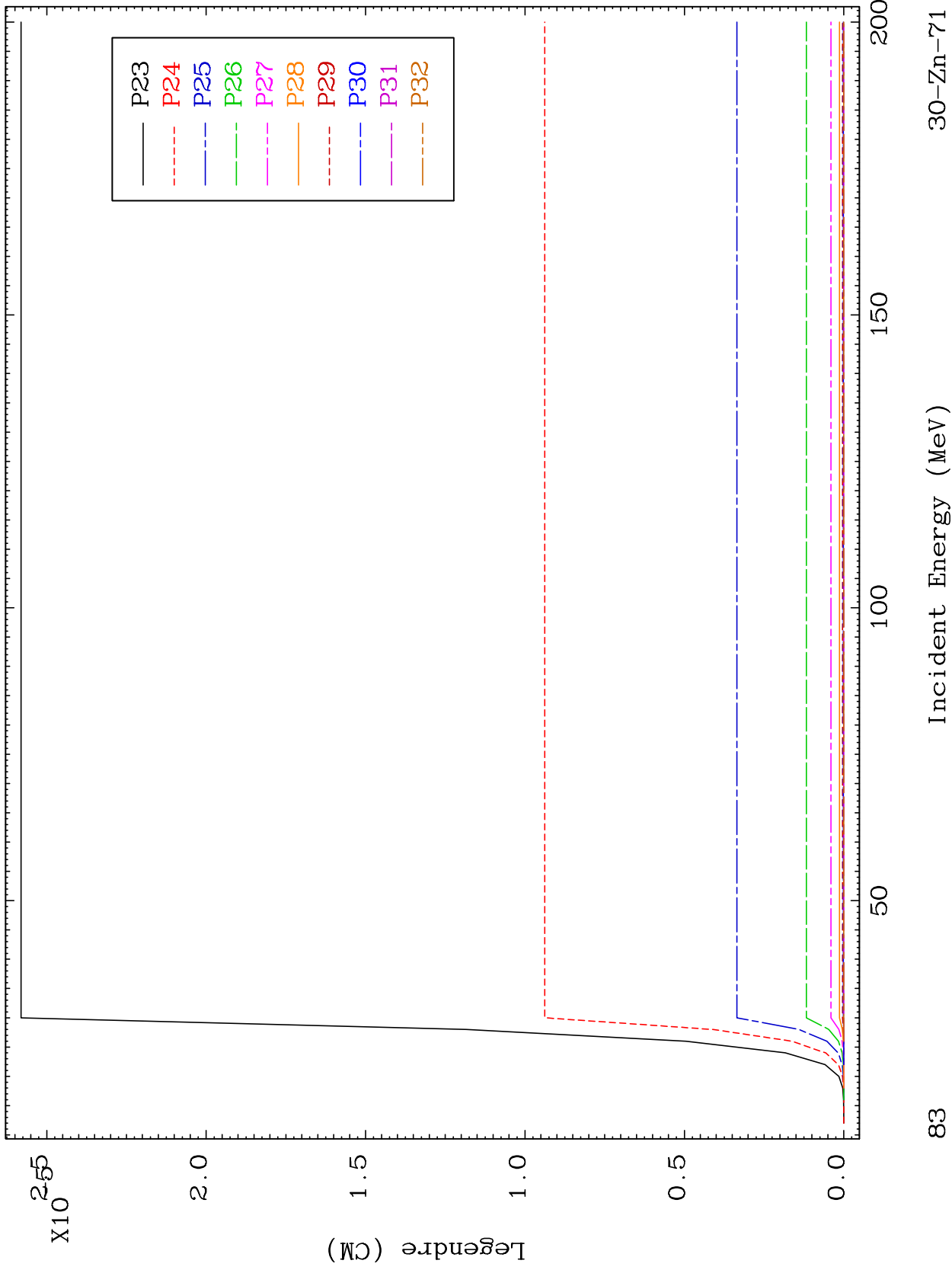
Incident Energy (MeV)

30-Zn-71

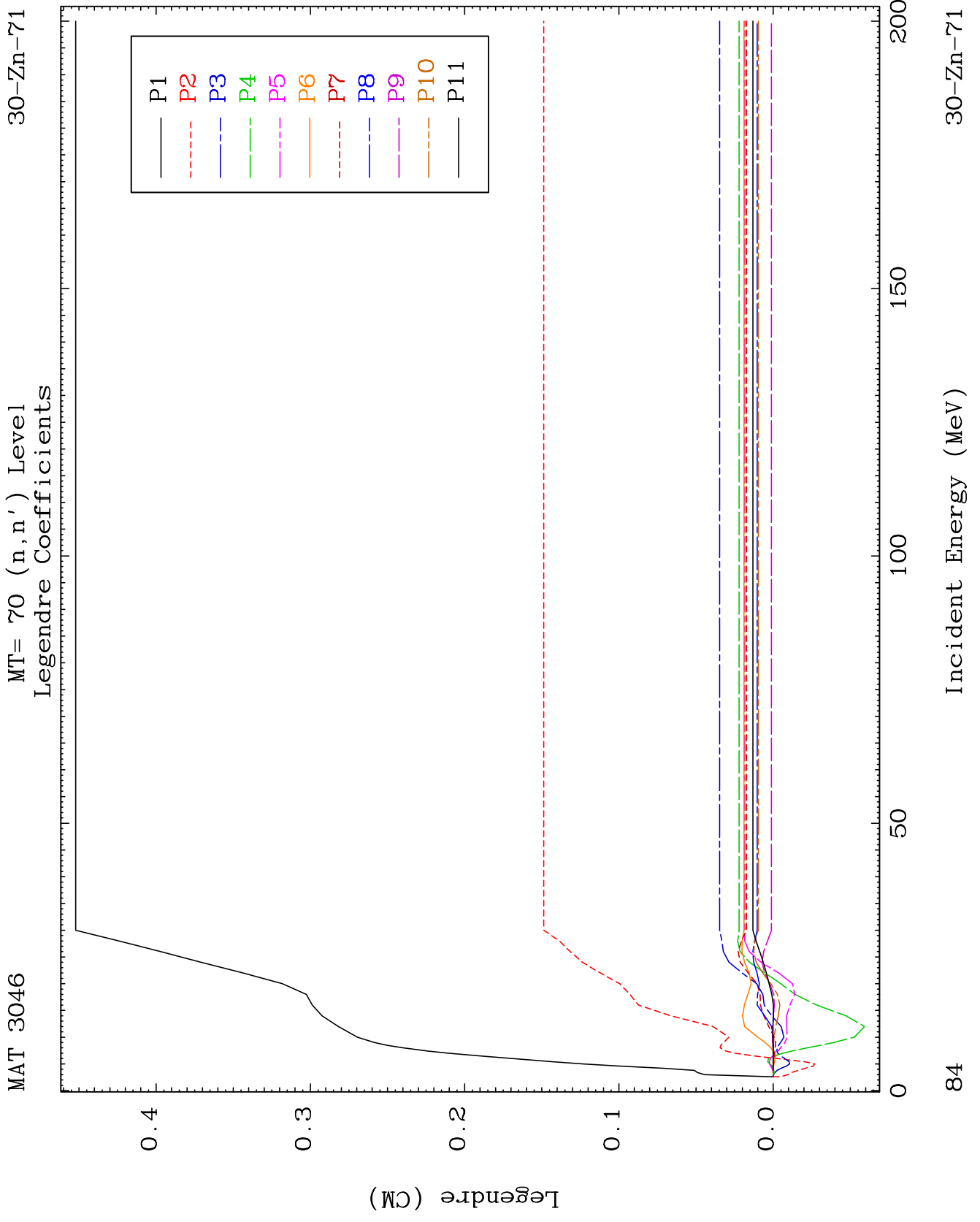
MAT 3046

MT= 69 (n,n') Level  
Legendre Coefficients

30-Zn-71



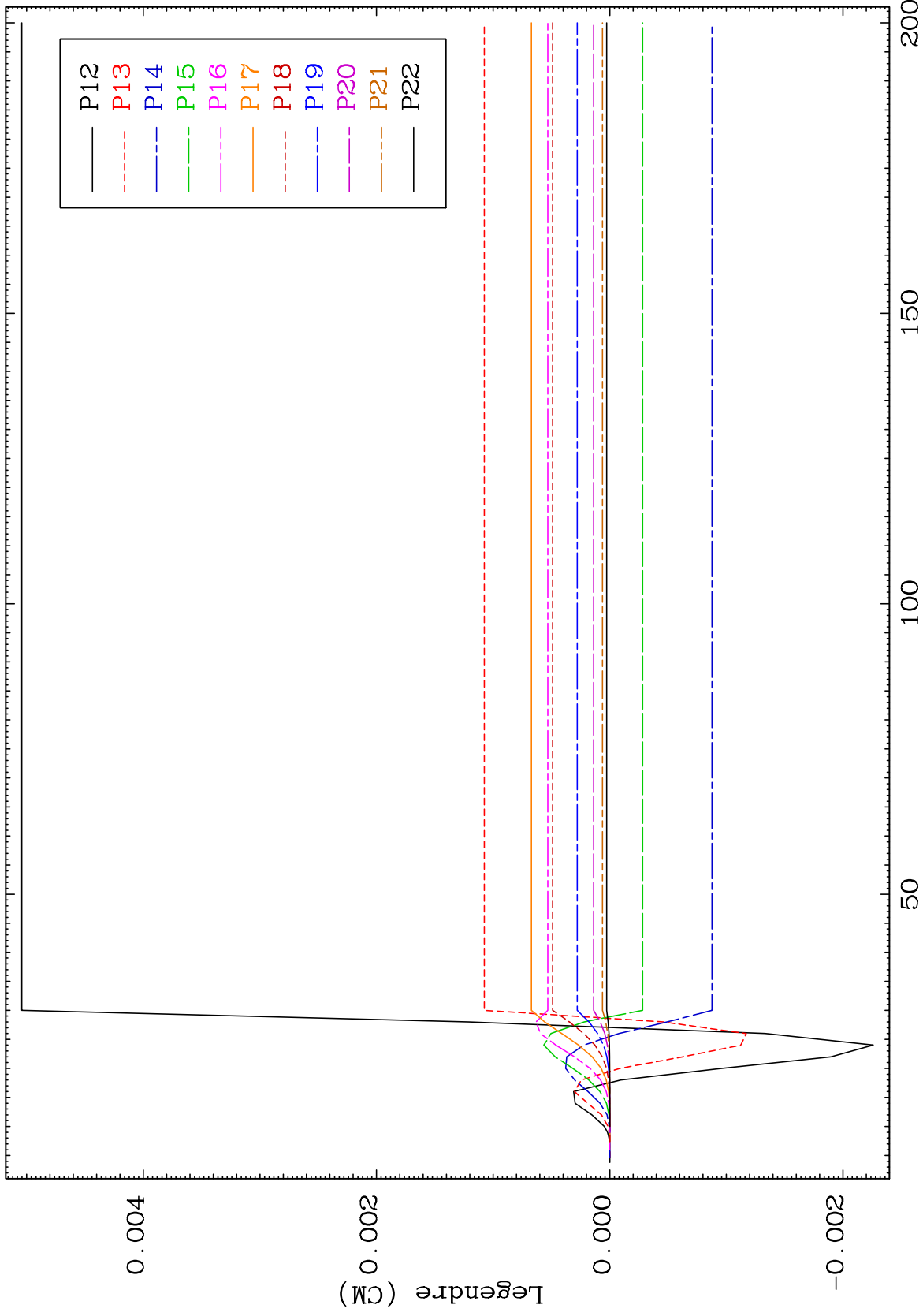
83



MAT 3046

MT= 70 (n,n') Level  
Legendre Coefficients

30-Zn-71

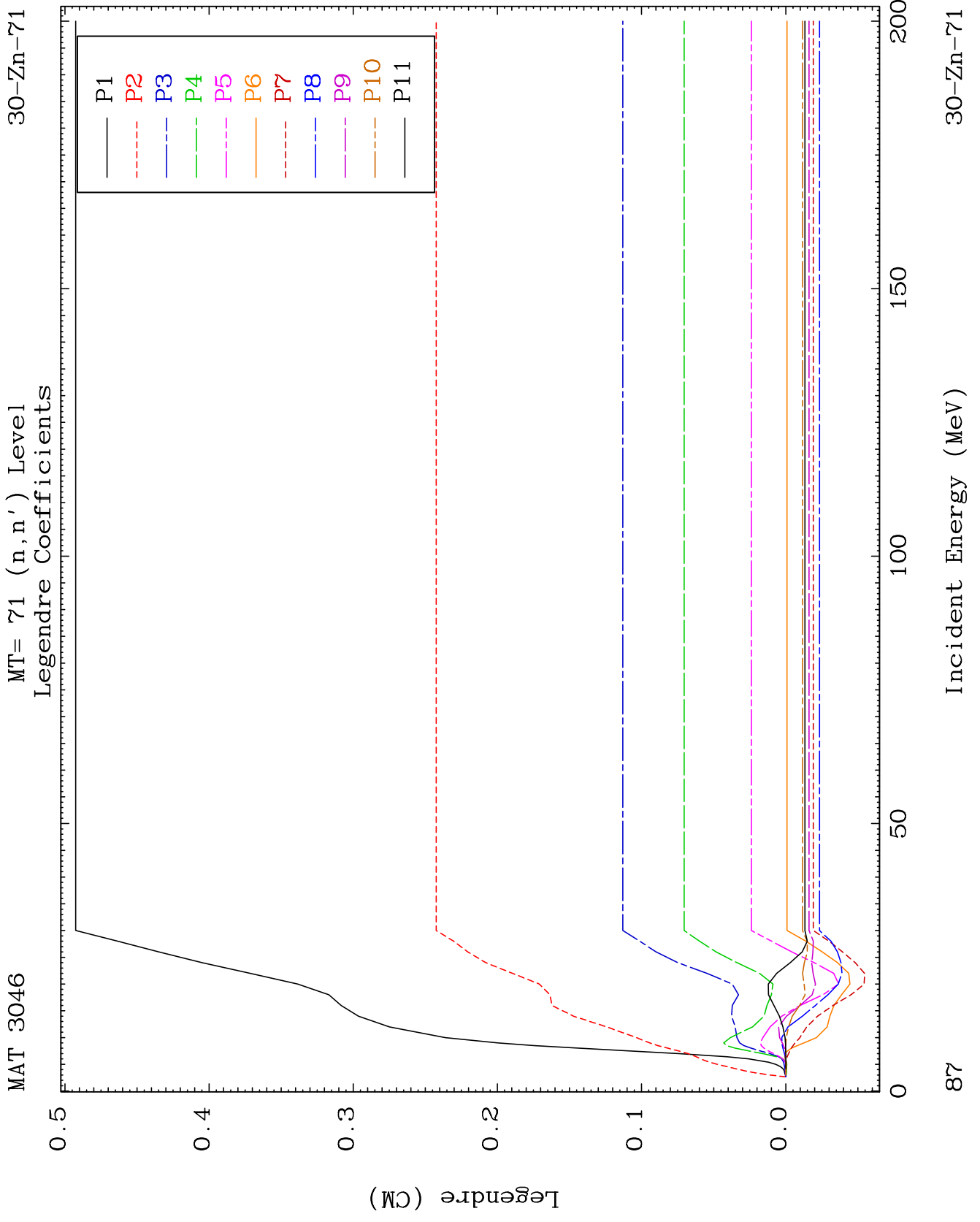


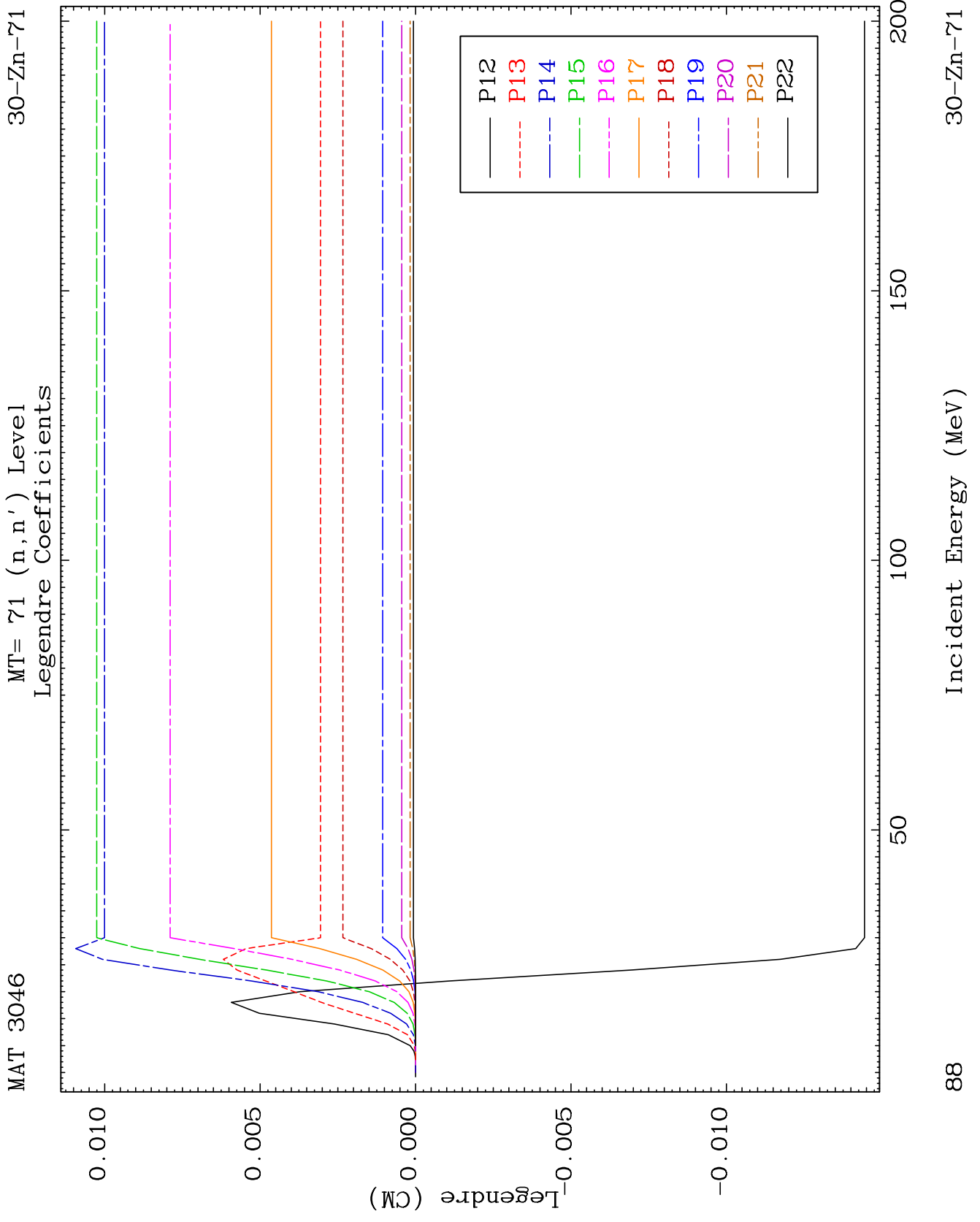
85

Incident Energy (MeV)

30-Zn-71



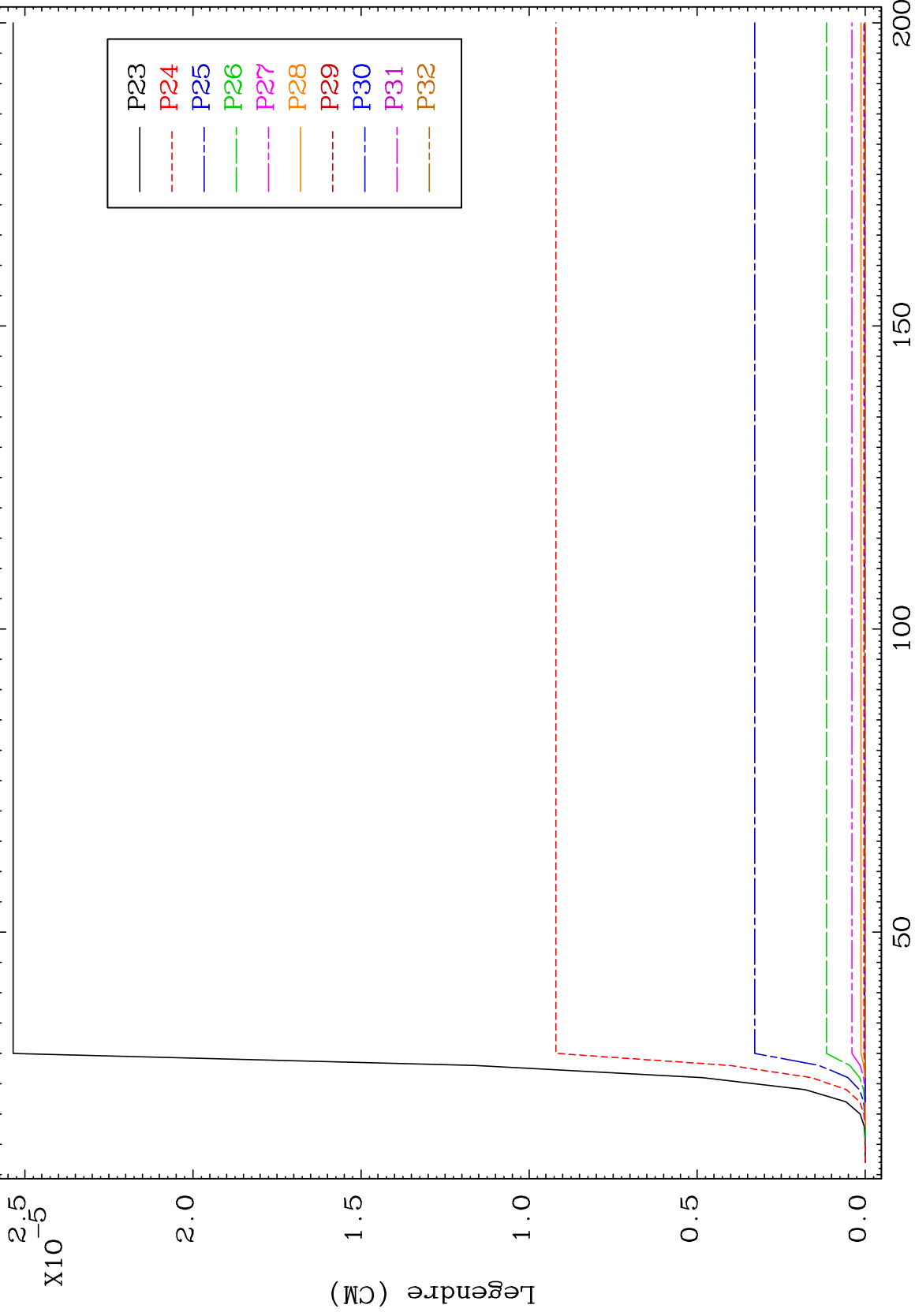




MAT 3046

MT= 71 (n,n') Level  
Legendre Coefficients

30-Zn-71



89

Incident Energy (MeV)

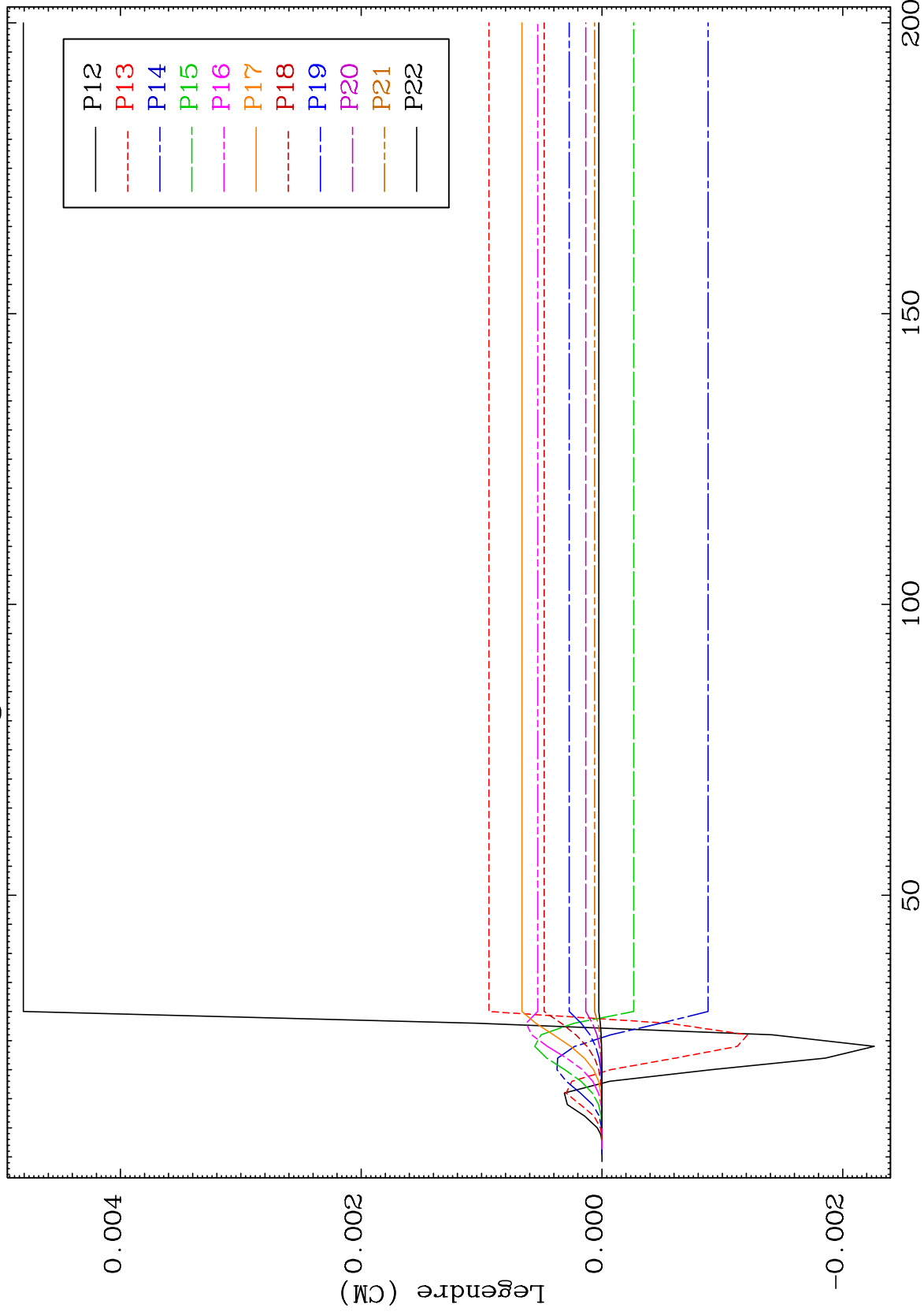
30-Zn-71



MAT 3046

MT= 72 (n,n') Level  
Legendre Coefficients

30-Zn-71



91

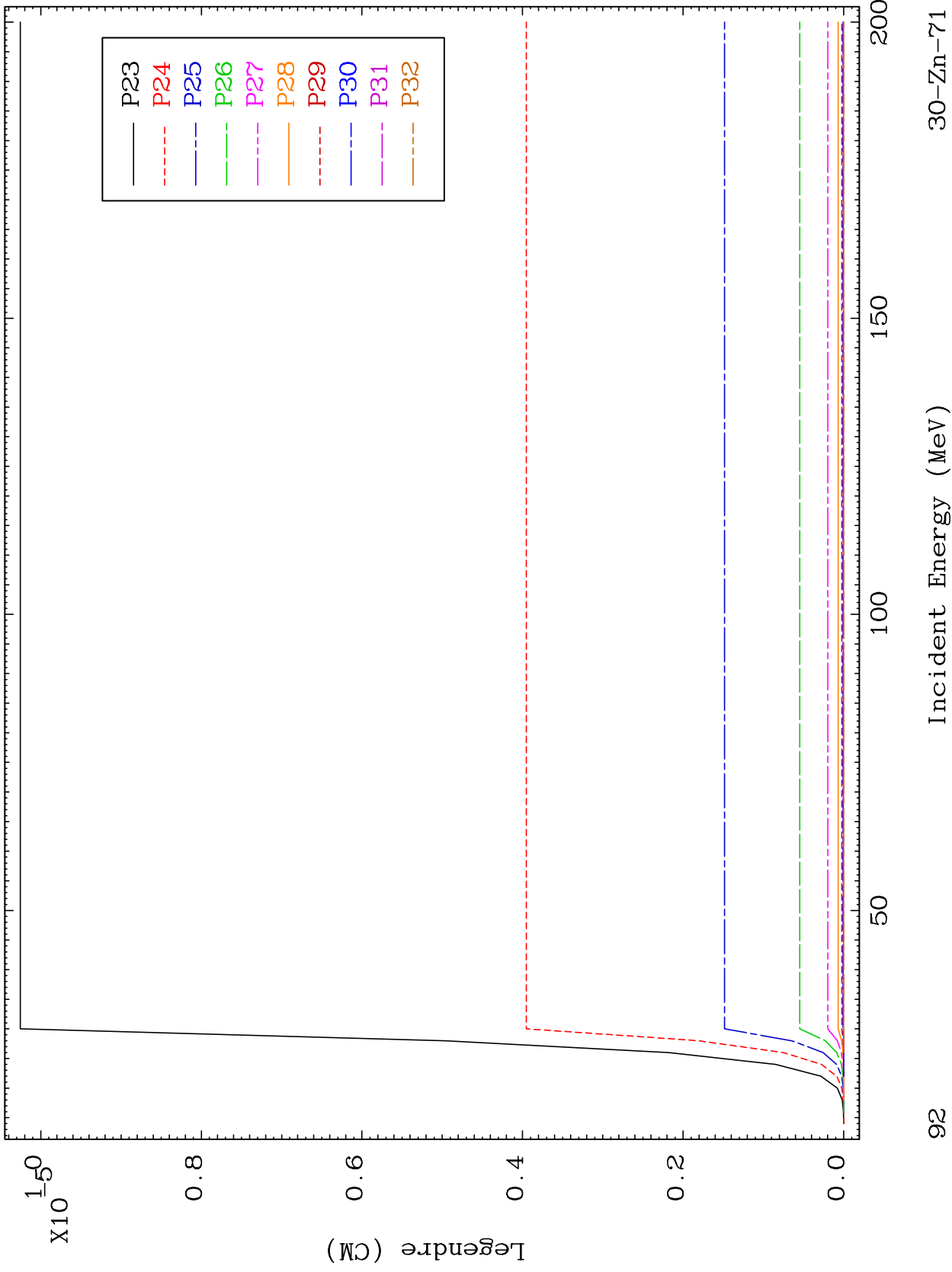
Incident Energy (MeV)

30-Zn-71

MAT 3046

MT= 72 (n,n') Level  
Legendre Coefficients

30-Zn-71



92

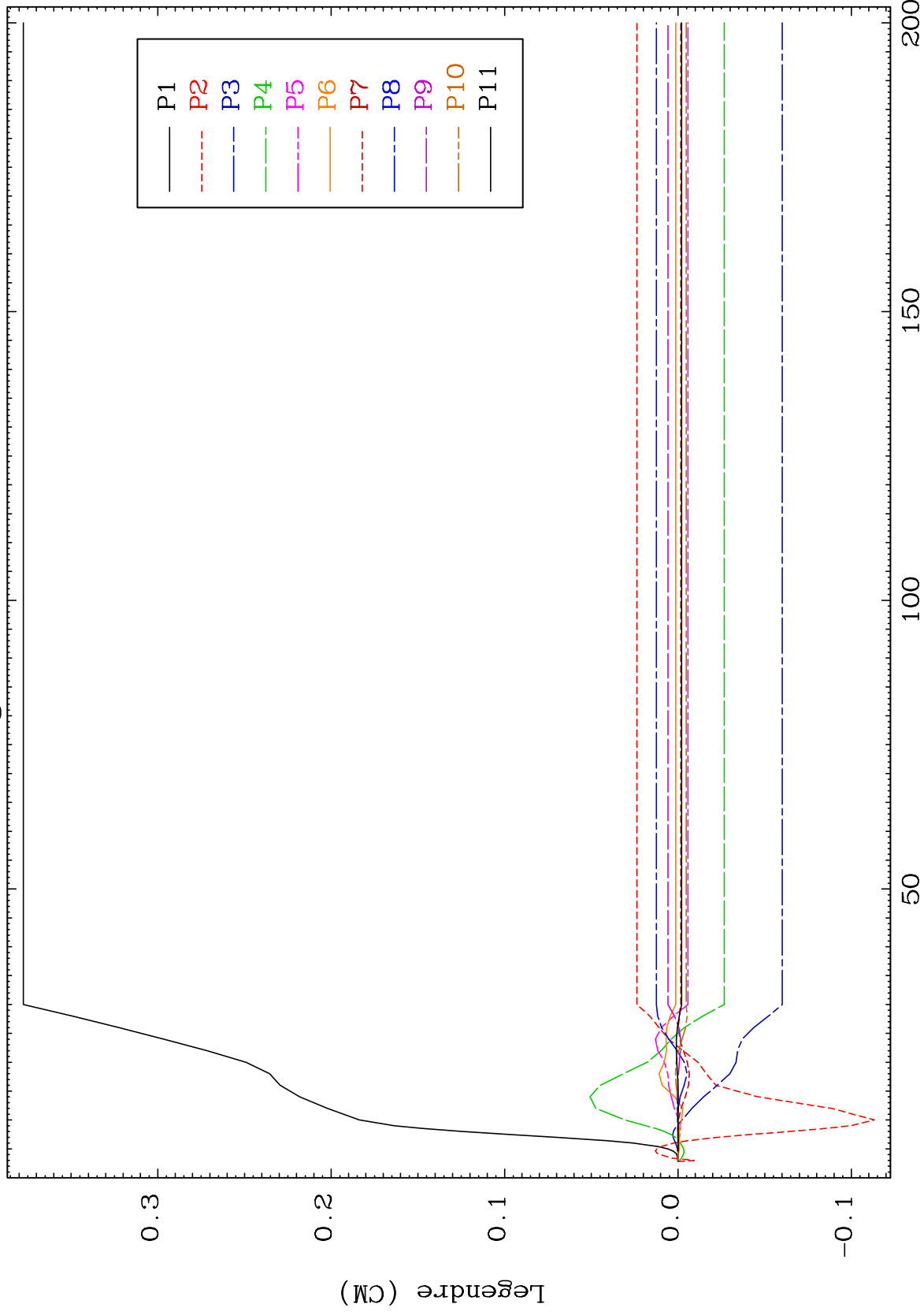
Incident Energy (MeV)

30-Zn-71

MAT 3046

MT= 73 (n,n') Level  
Legendre Coefficients

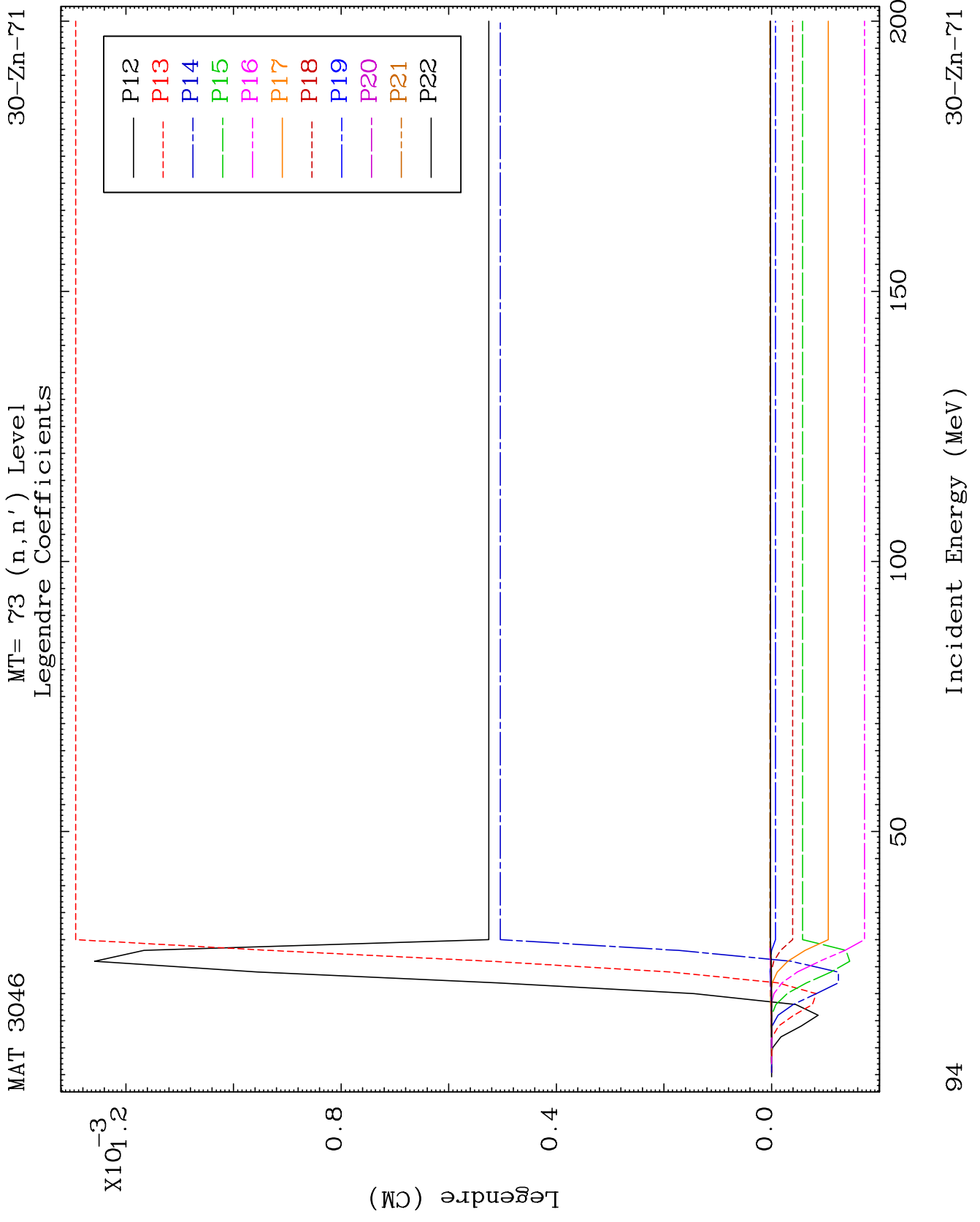
30-Zn-71

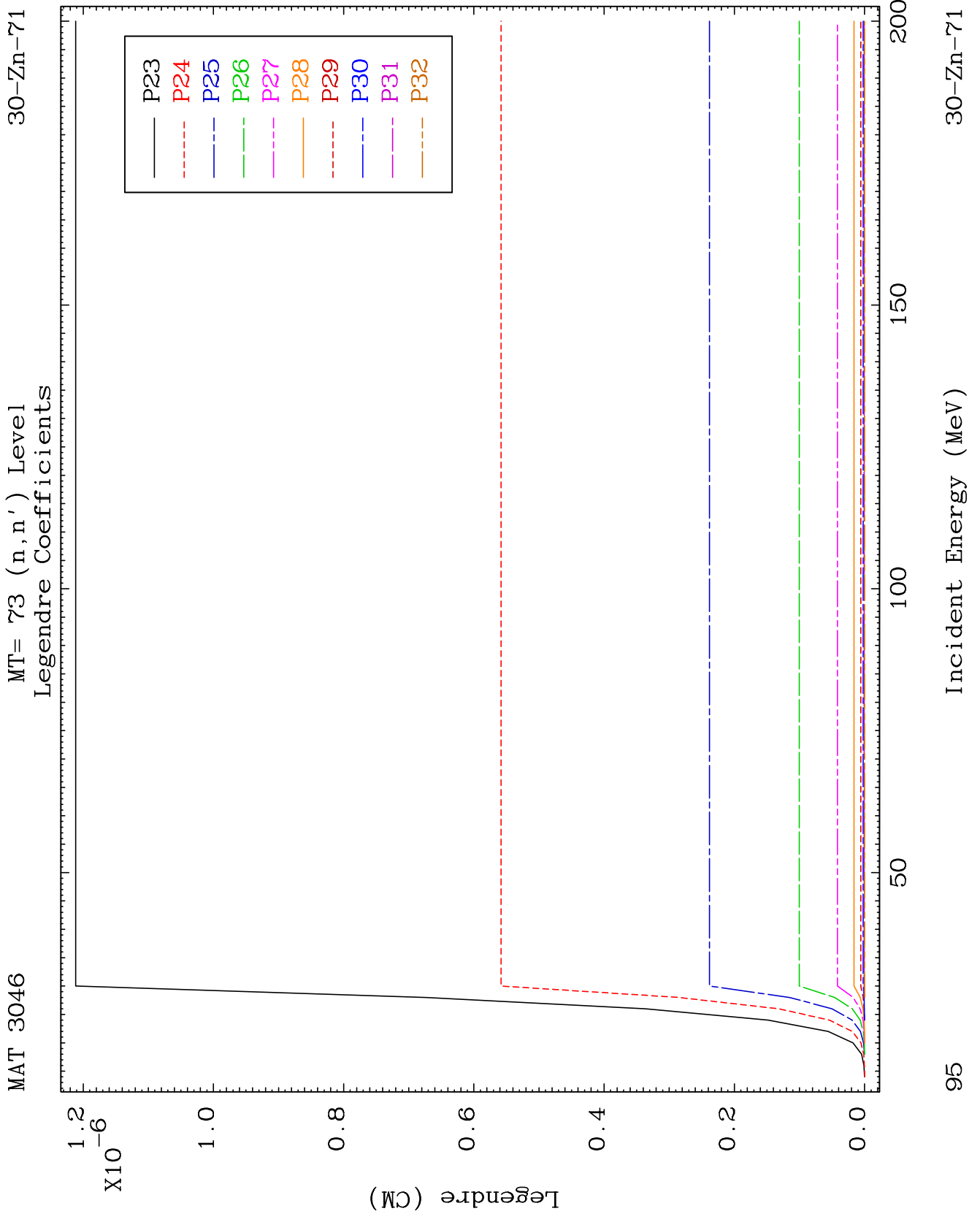


93

Incident Energy (MeV)

30-Zn-71

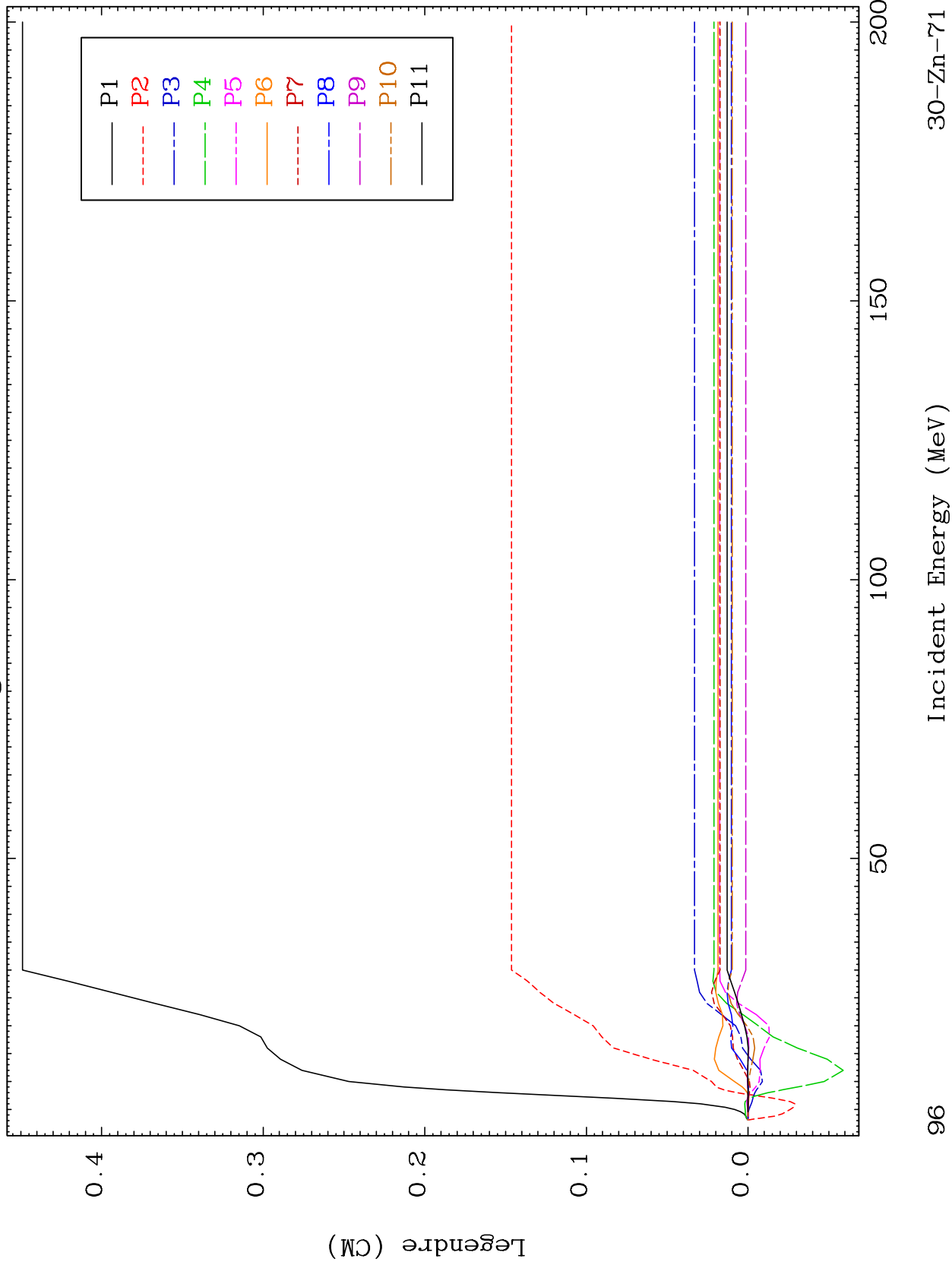




MAT 3046

MT= 74 (n,n') Level  
Legendre Coefficients

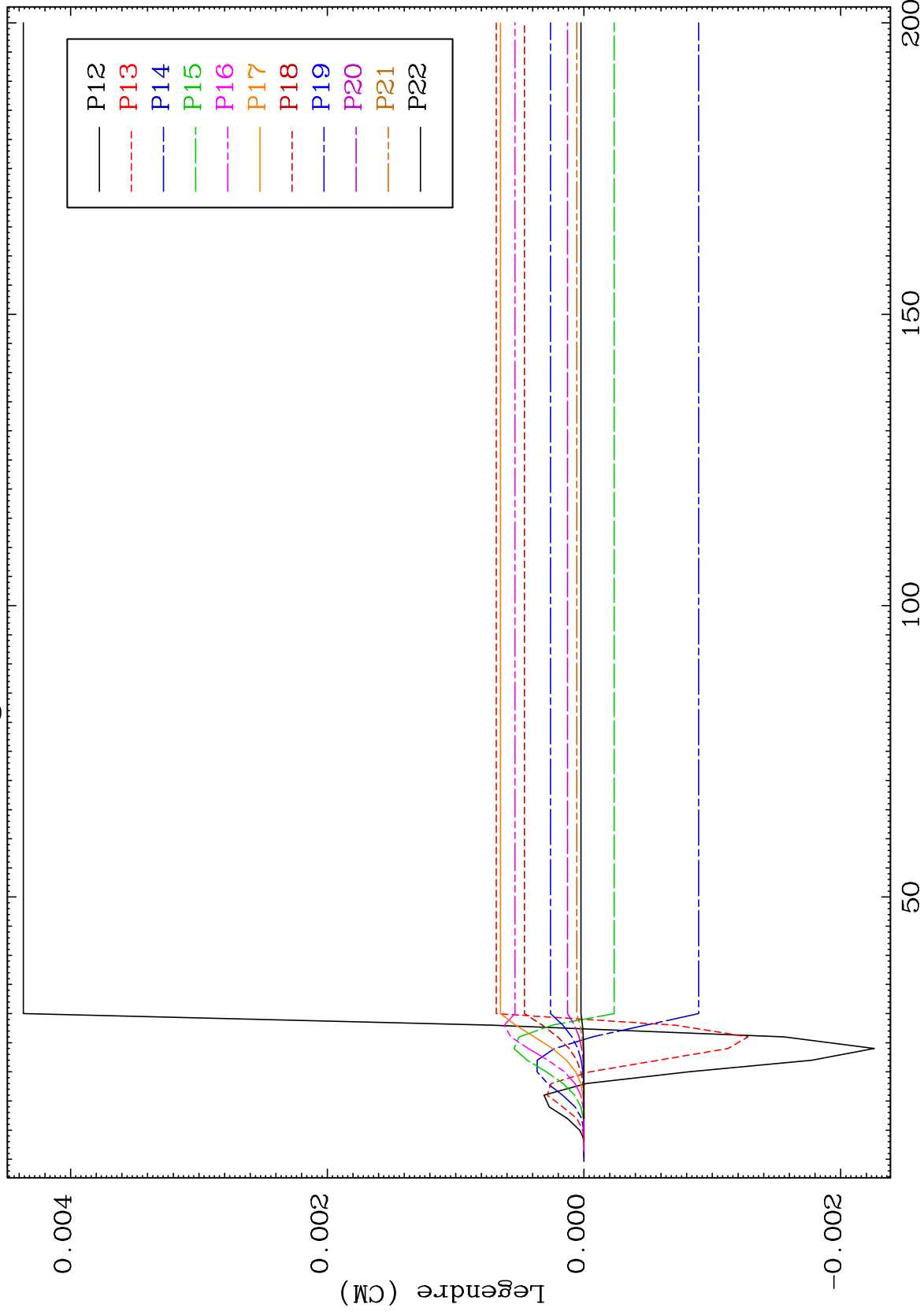
30-Zn-71



MAT 3046

MT= 74 (n,n') Level  
Legendre Coefficients

30-Zn-71



97

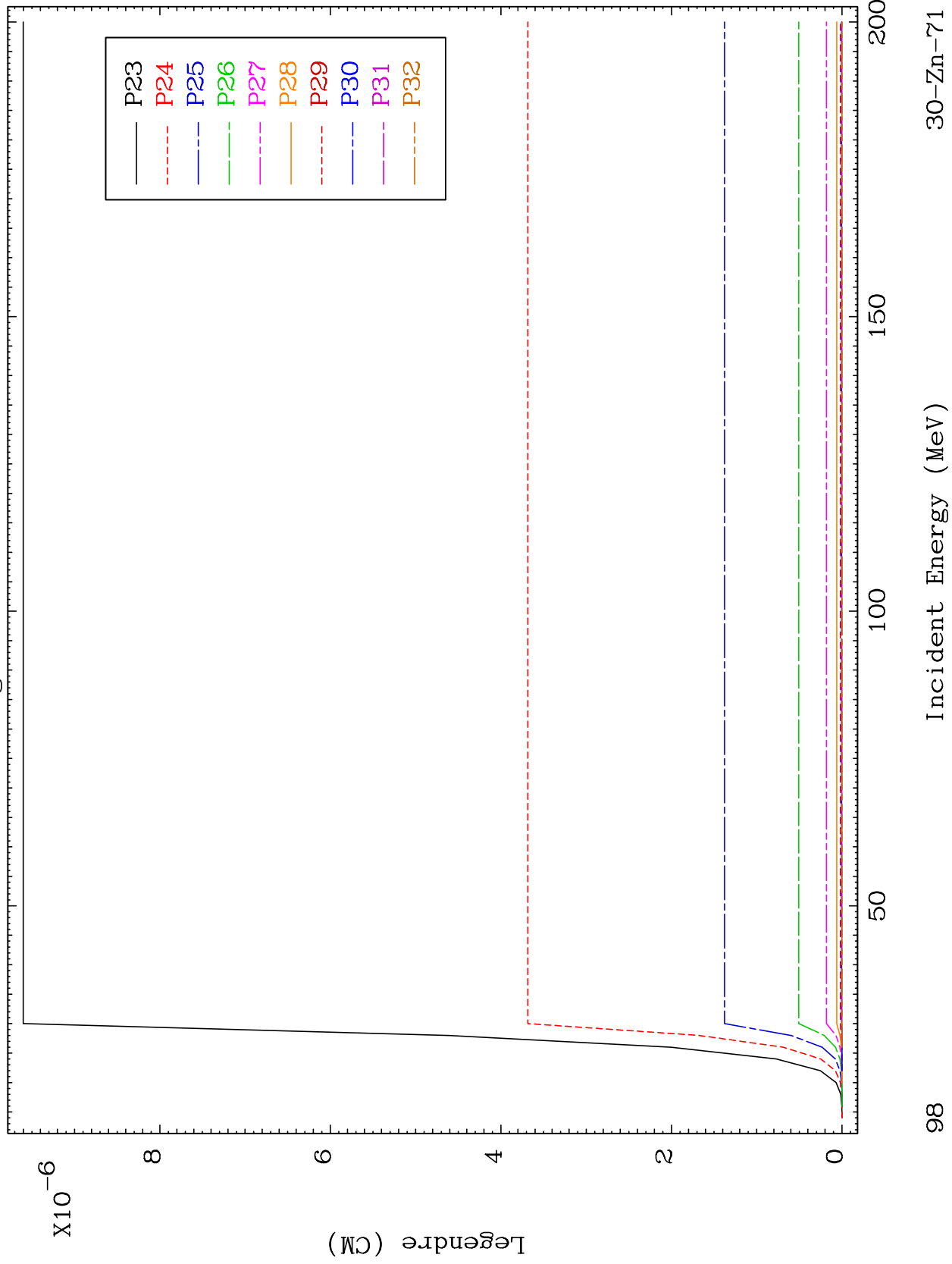
Incident Energy (MeV)

30-Zn-71

MAT 3046

MT= 74 (n,n') Level  
Legendre Coefficients

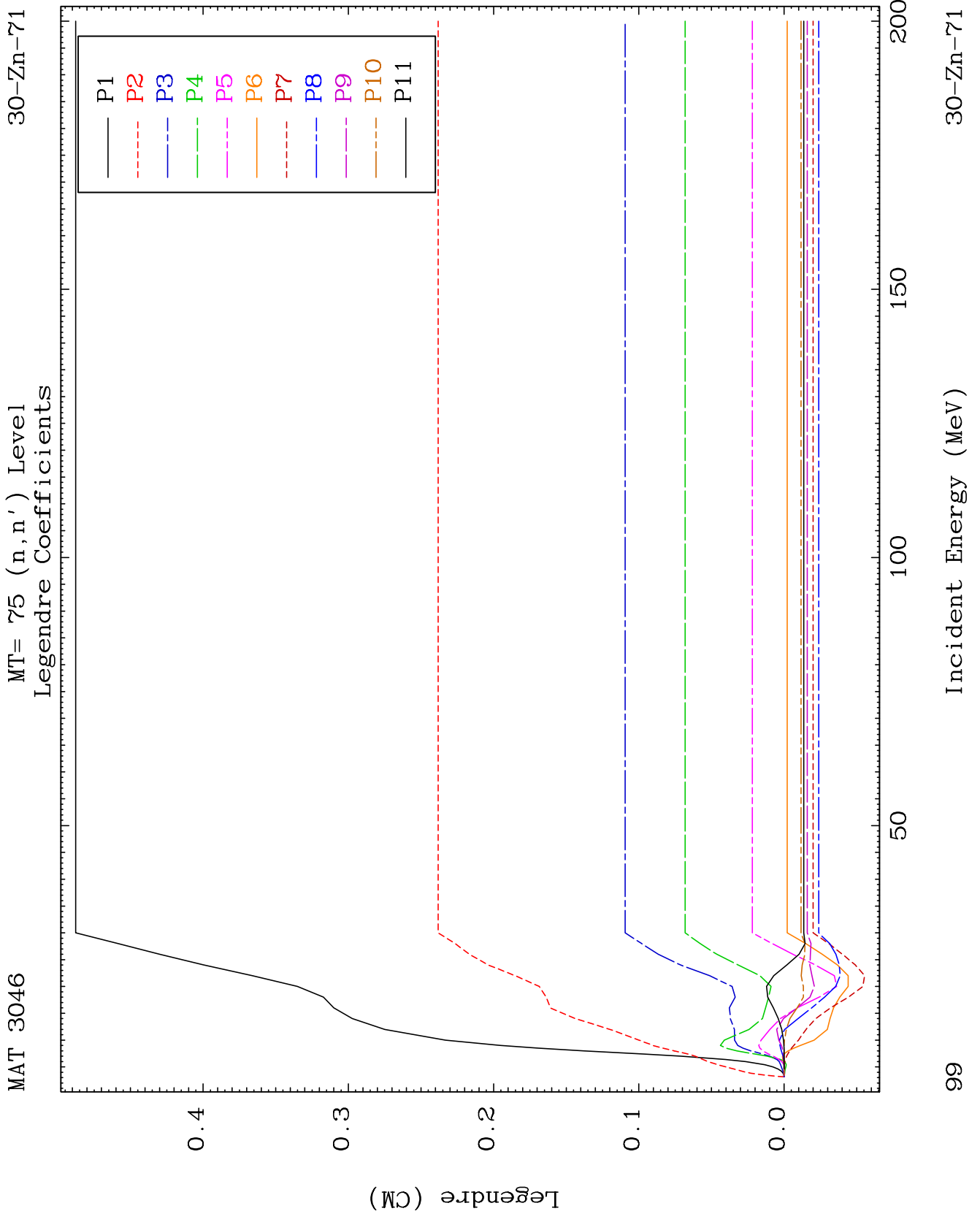
30-Zn-71

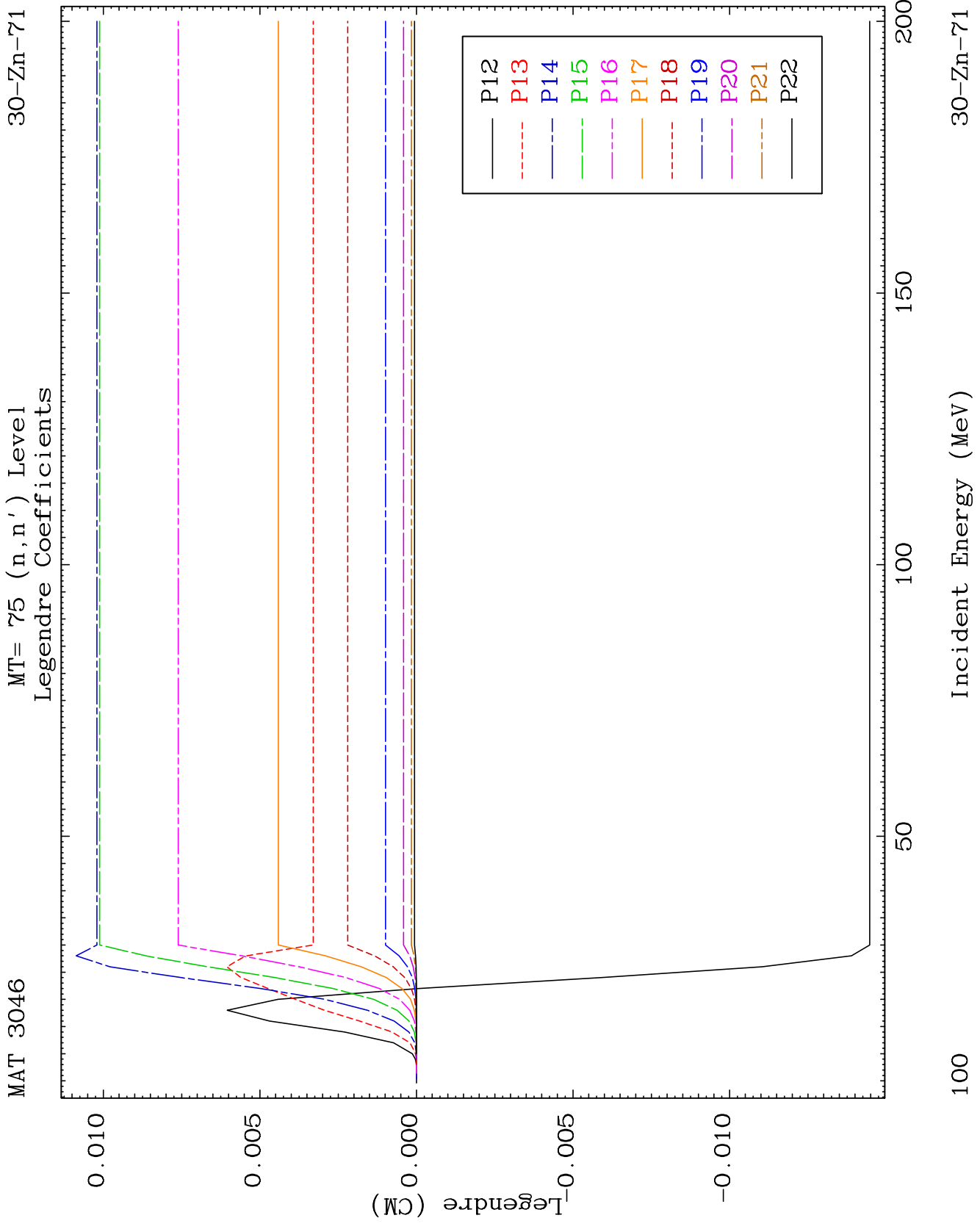


98

Incident Energy (MeV)

30-Zn-71

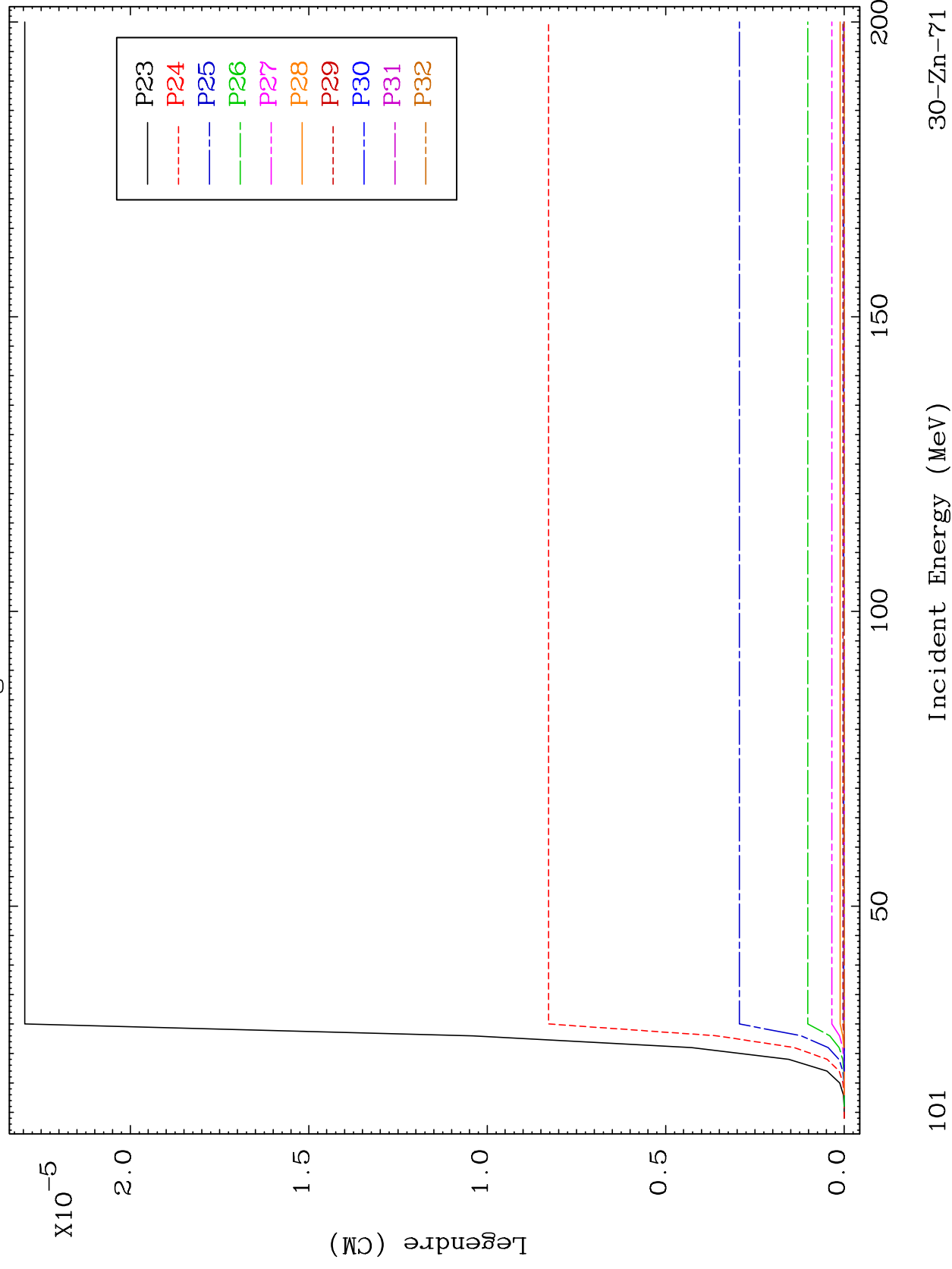




MAT 3046

MT= 75 (n,n') Level  
Legendre Coefficients

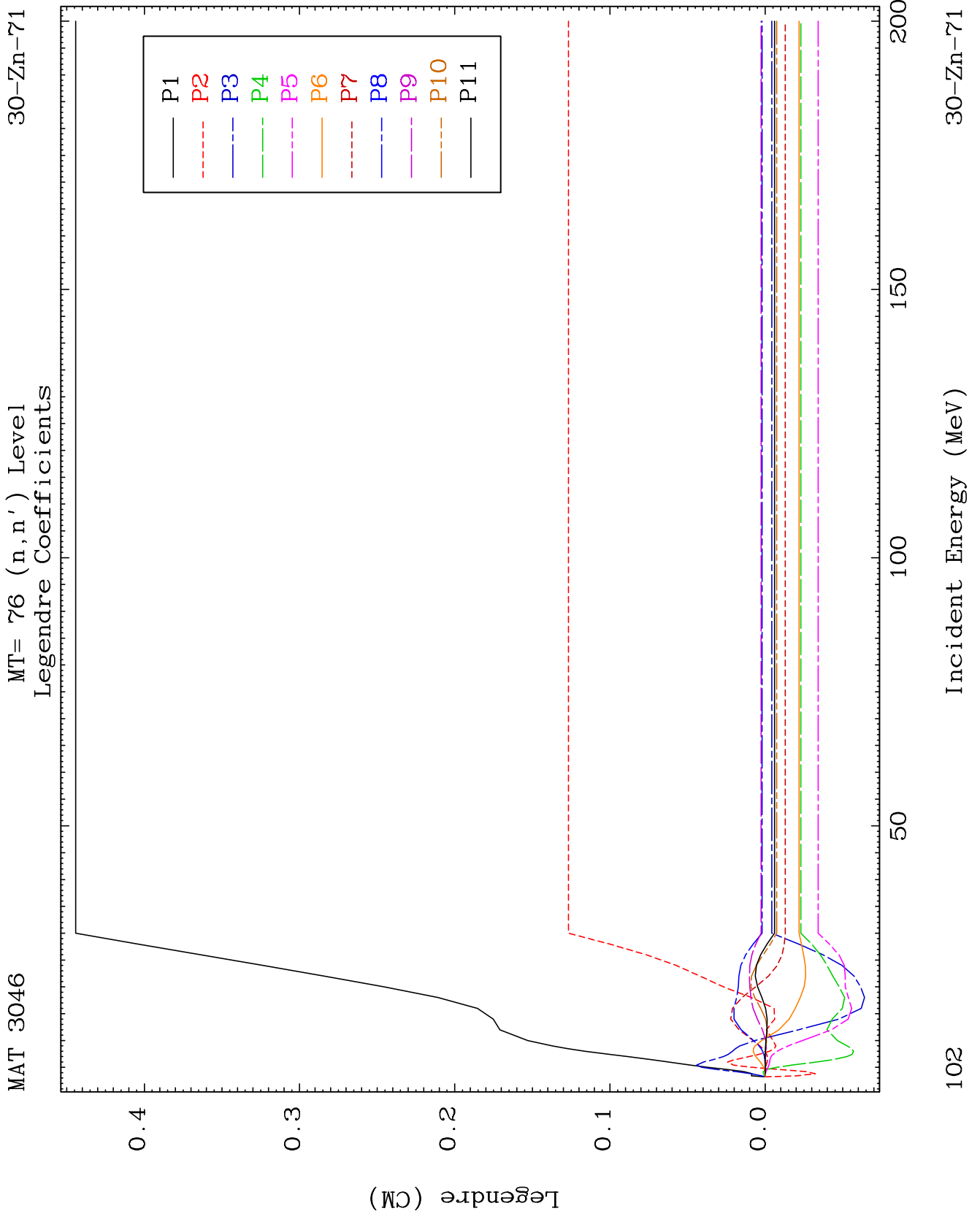
30-Zn-71



101

Incident Energy (MeV)

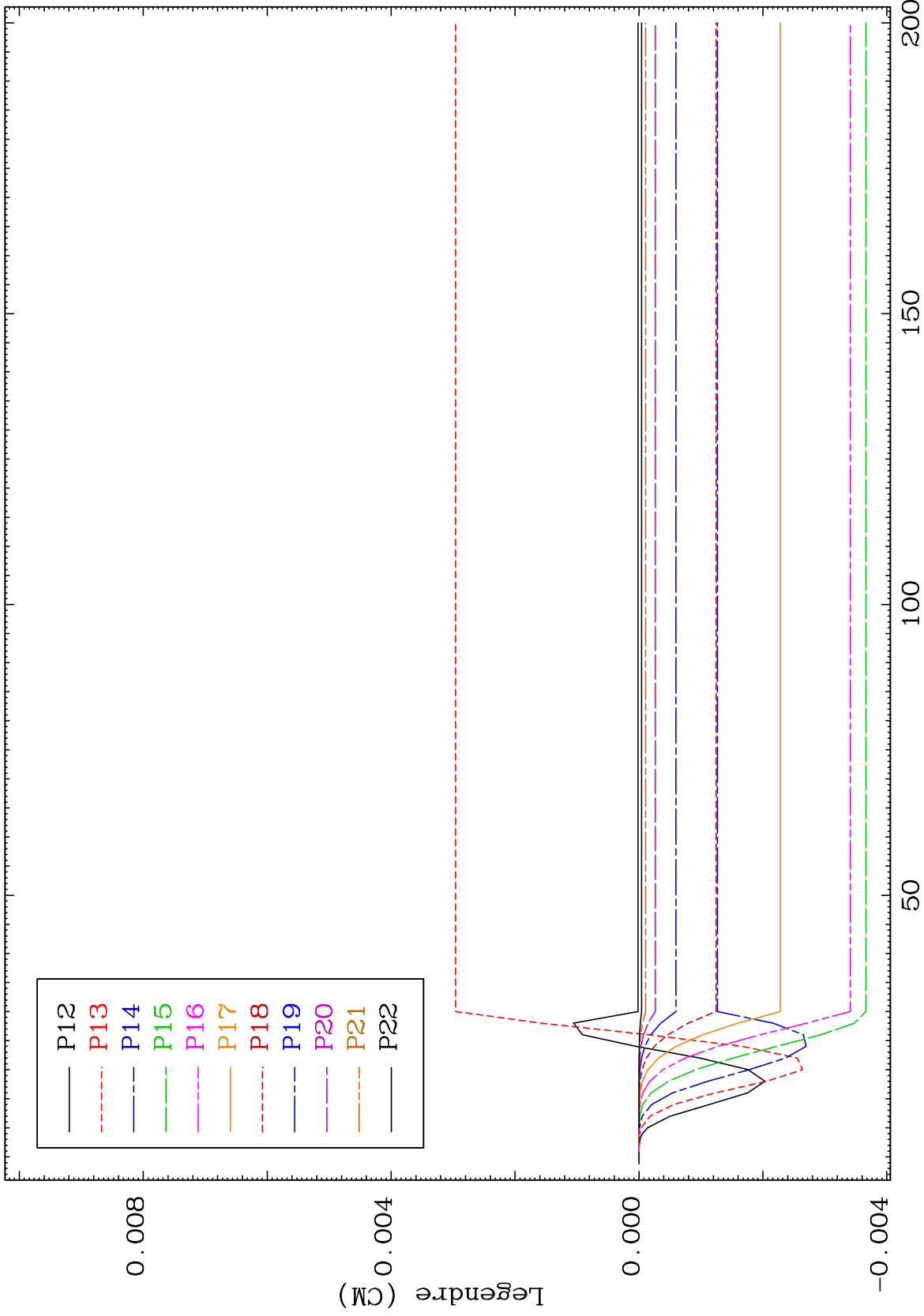
30-Zn-71



MAT 3046

MT= 76 (n,n') Level  
Legendre Coefficients

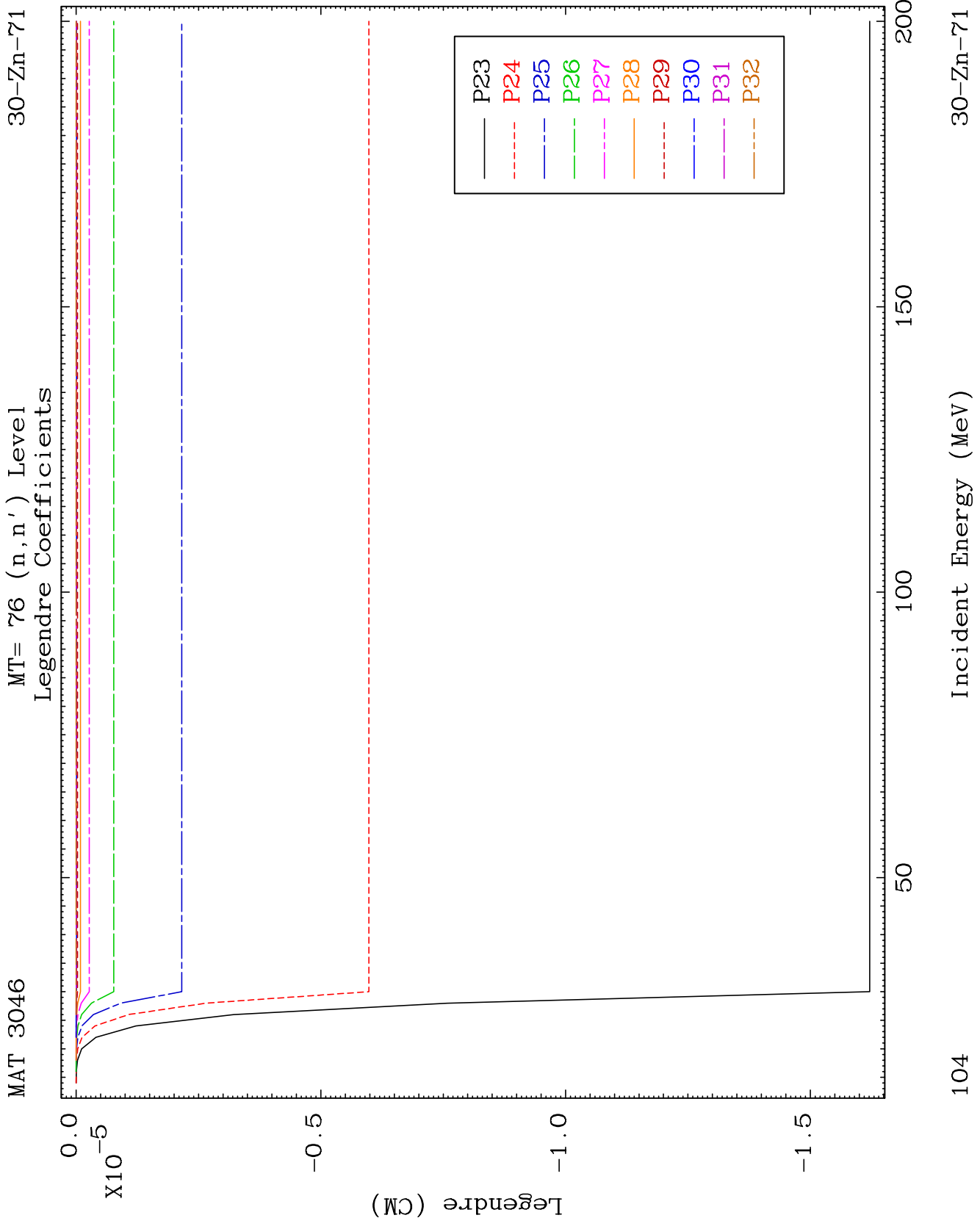
30-Zn-71



103

Incident Energy (MeV)

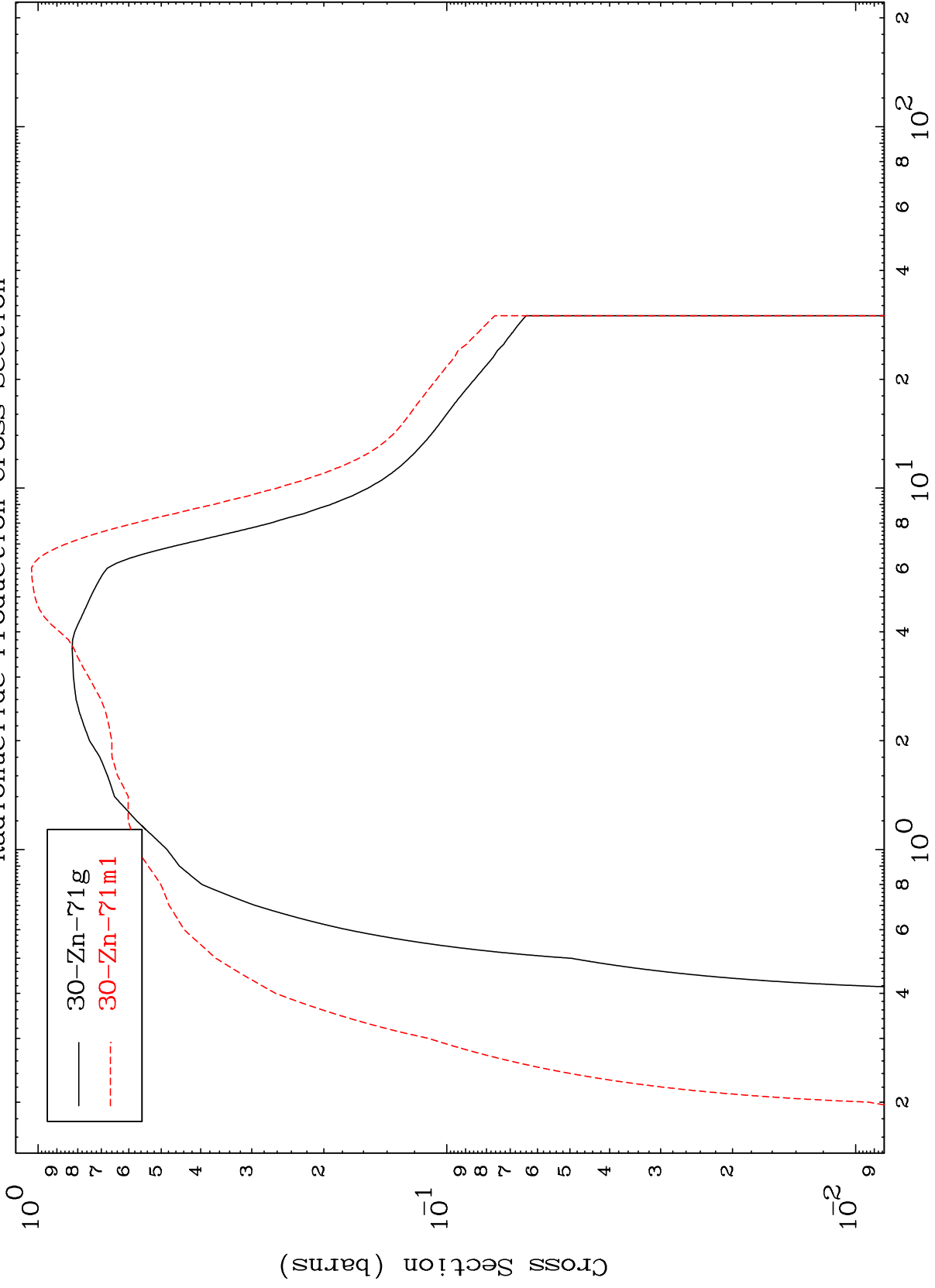
30-Zn-71



MAT 3046

30-Zn-71

Inelastic  
Radionuclide Production Cross Section



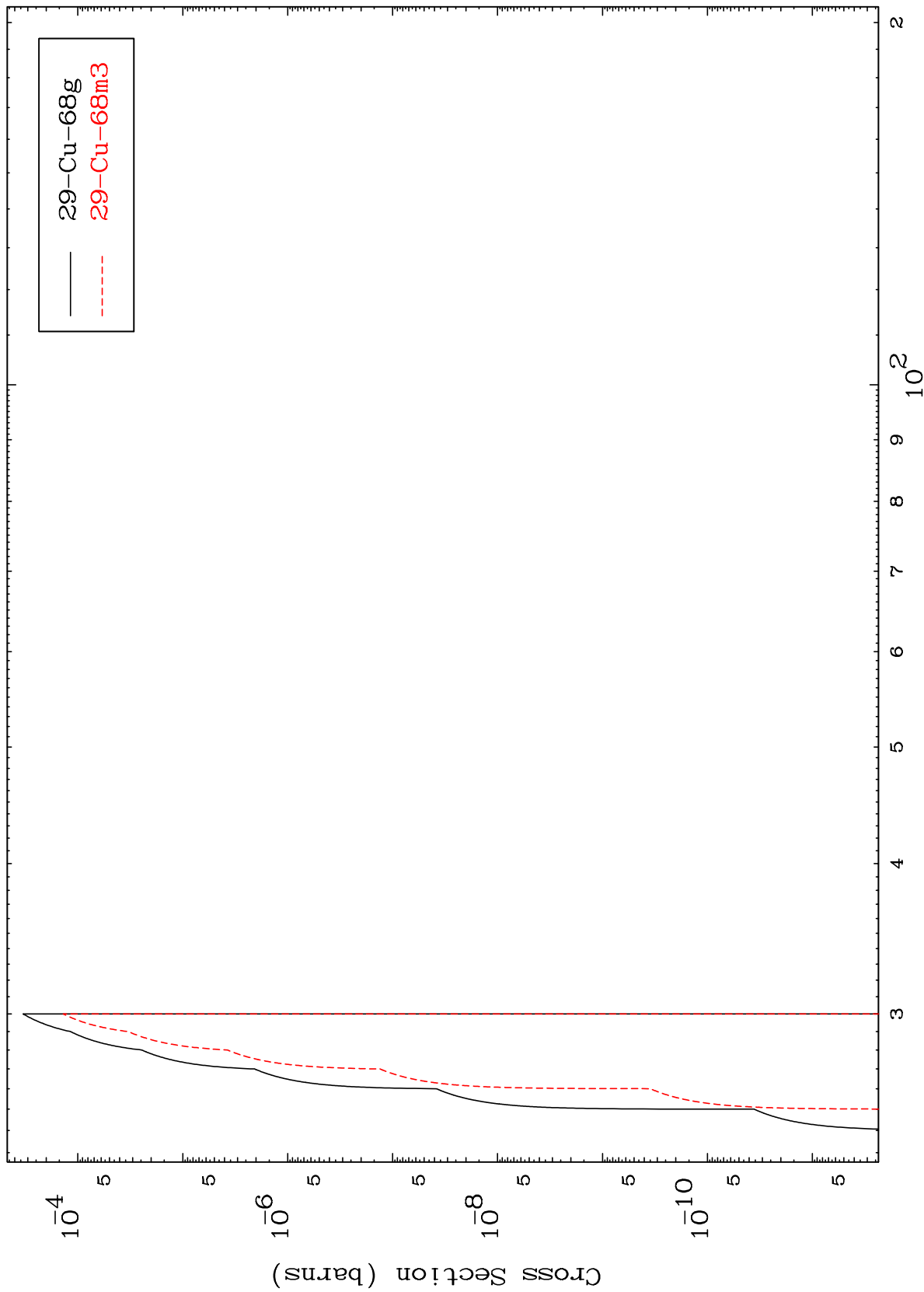
— 30-Zn-71 g  
- - - 30-Zn-71 m1

30-Zn-71

Incident Energy (MeV)

105

Radionuclide Production Cross Section

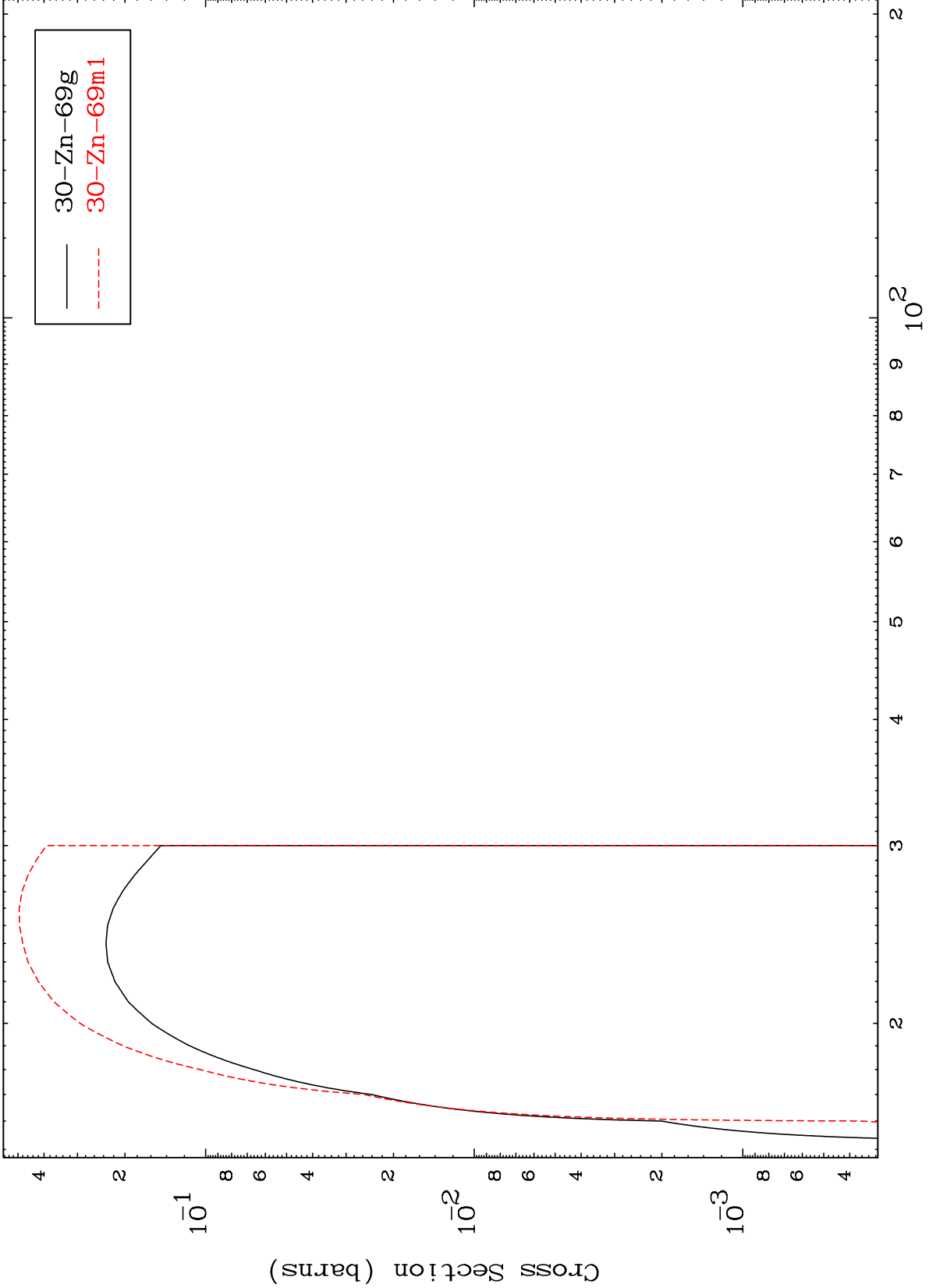


MAT 3046

(n,3n)

30-Zn-71

Radionuclide Production Cross Section



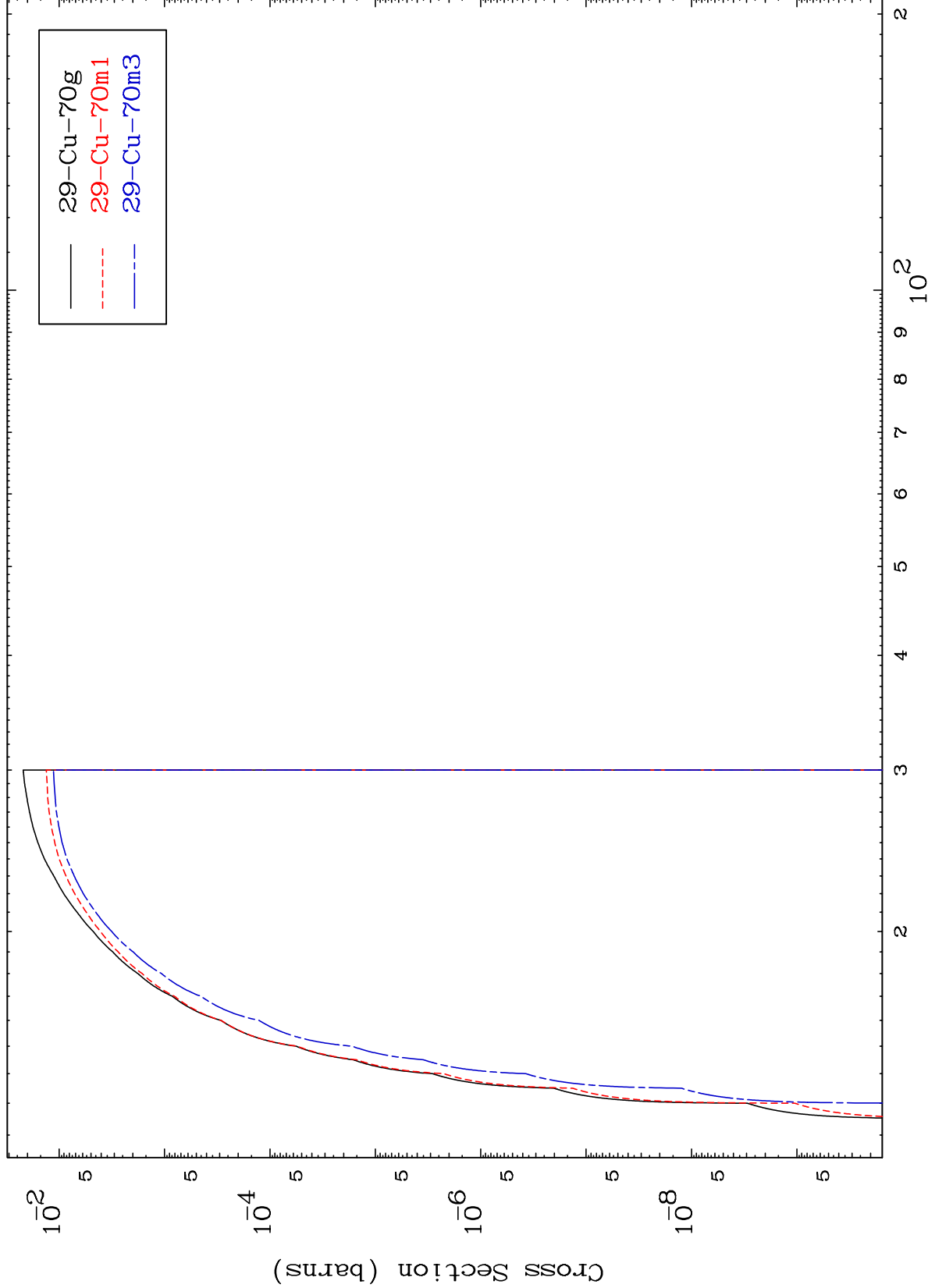
30-Zn-69g  
30-Zn-69m1

107

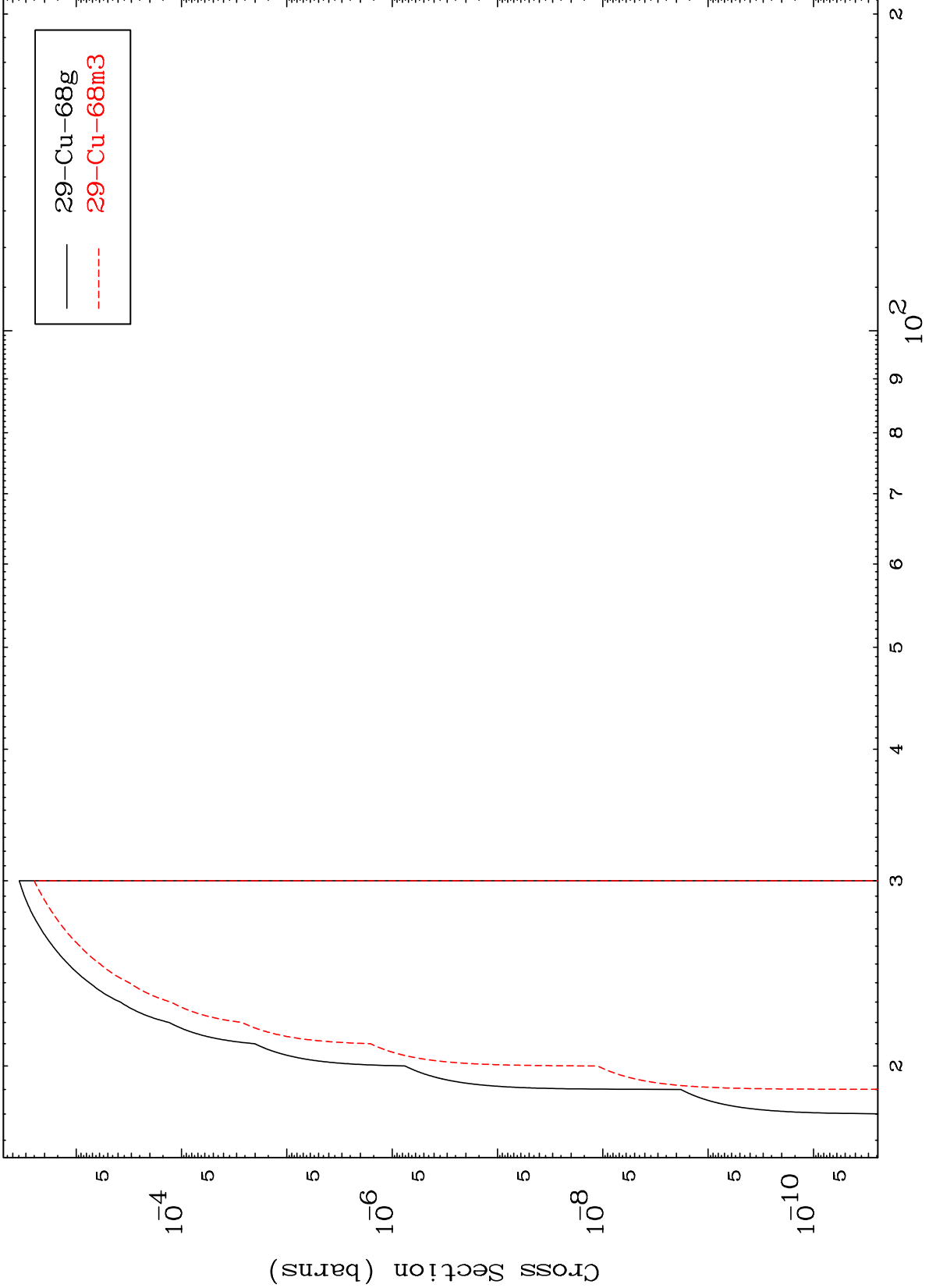
Incident Energy (MeV)

30-Zn-71

Radionuclide Production Cross Section



Radionuclide Production Cross Section

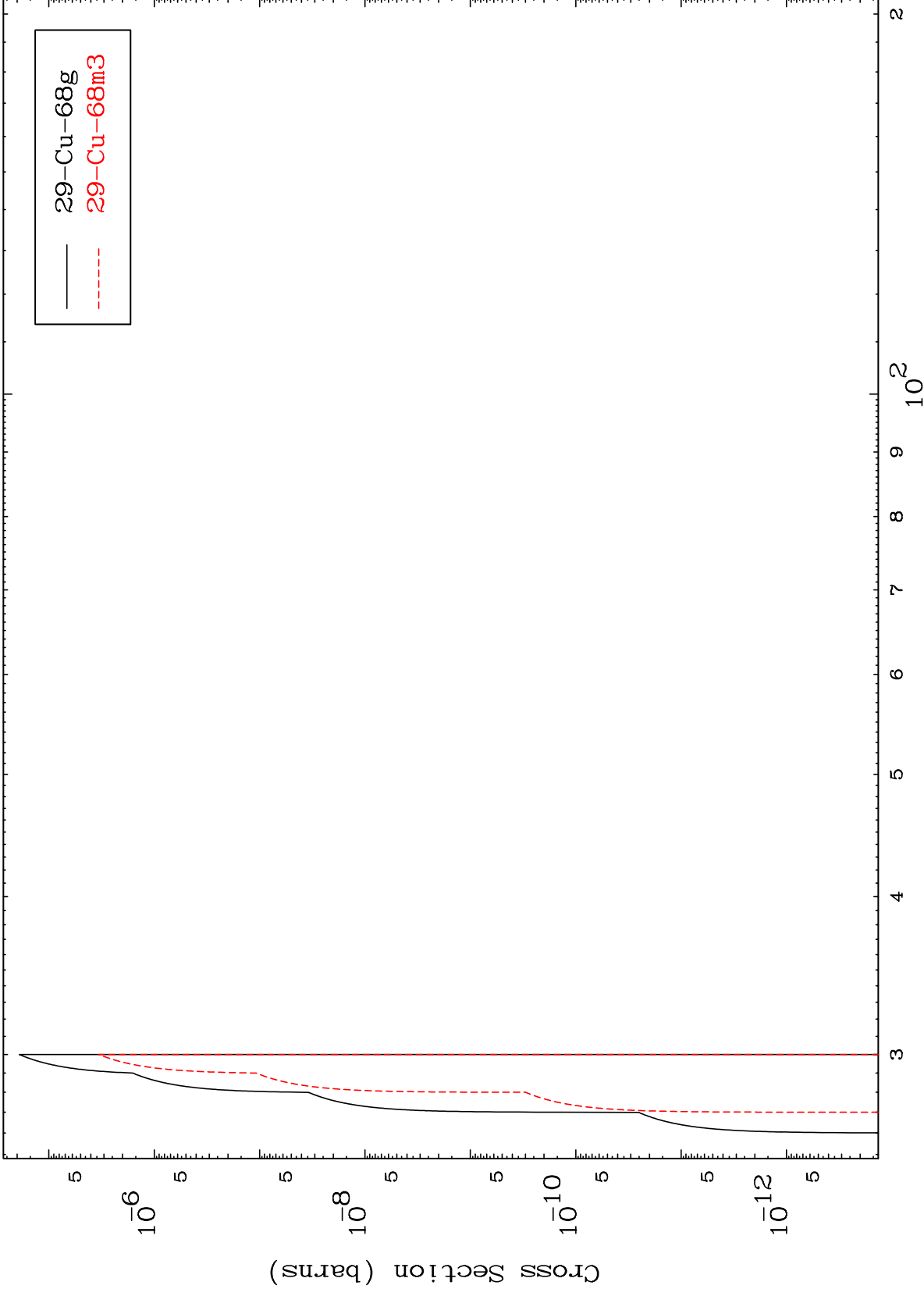


MAT 3046

(n,3n) p

30-Zn-71

Radionuclide Production Cross Section

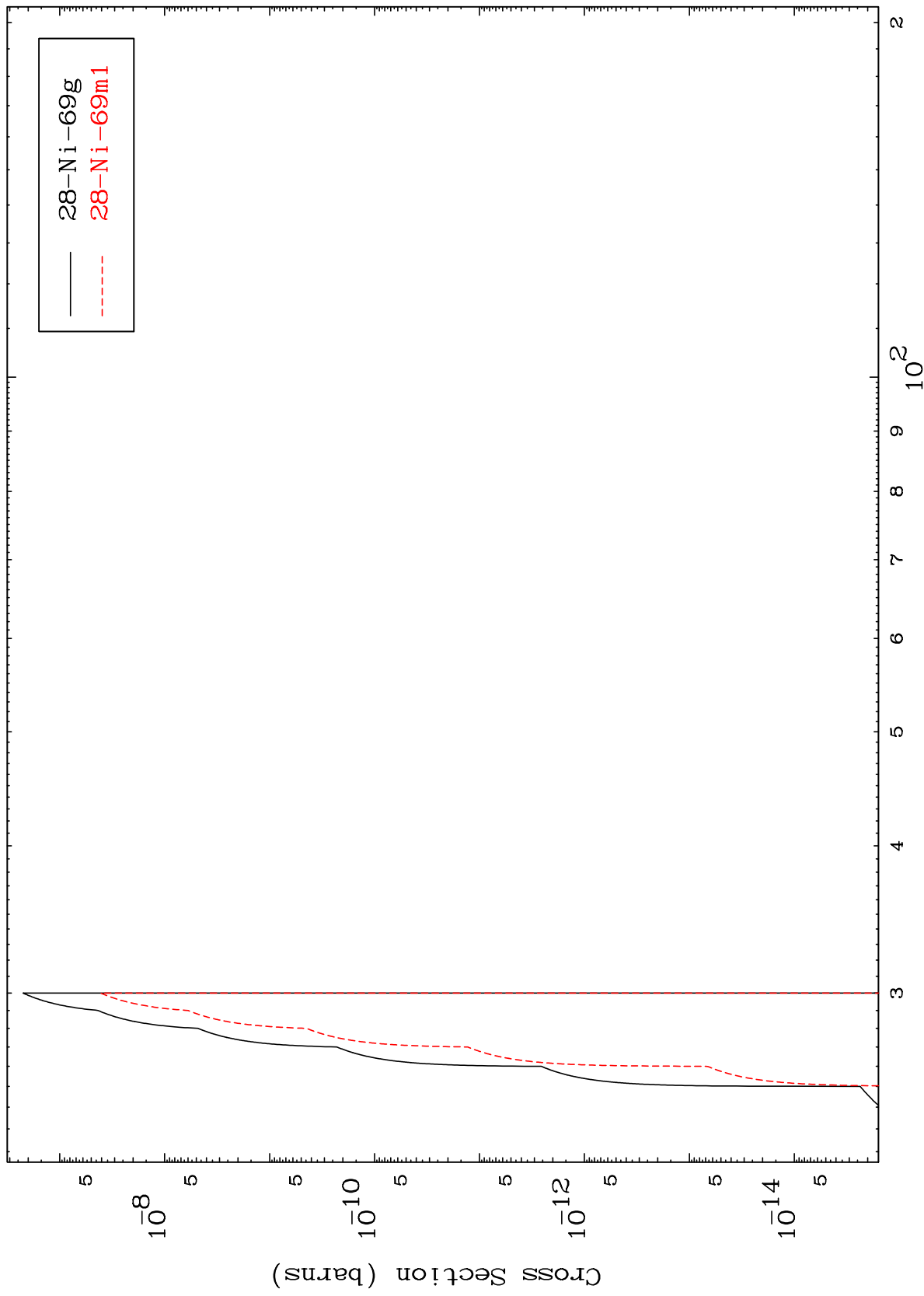


110

Incident Energy (MeV)

30-Zn-71

Radionuclide Production Cross Section

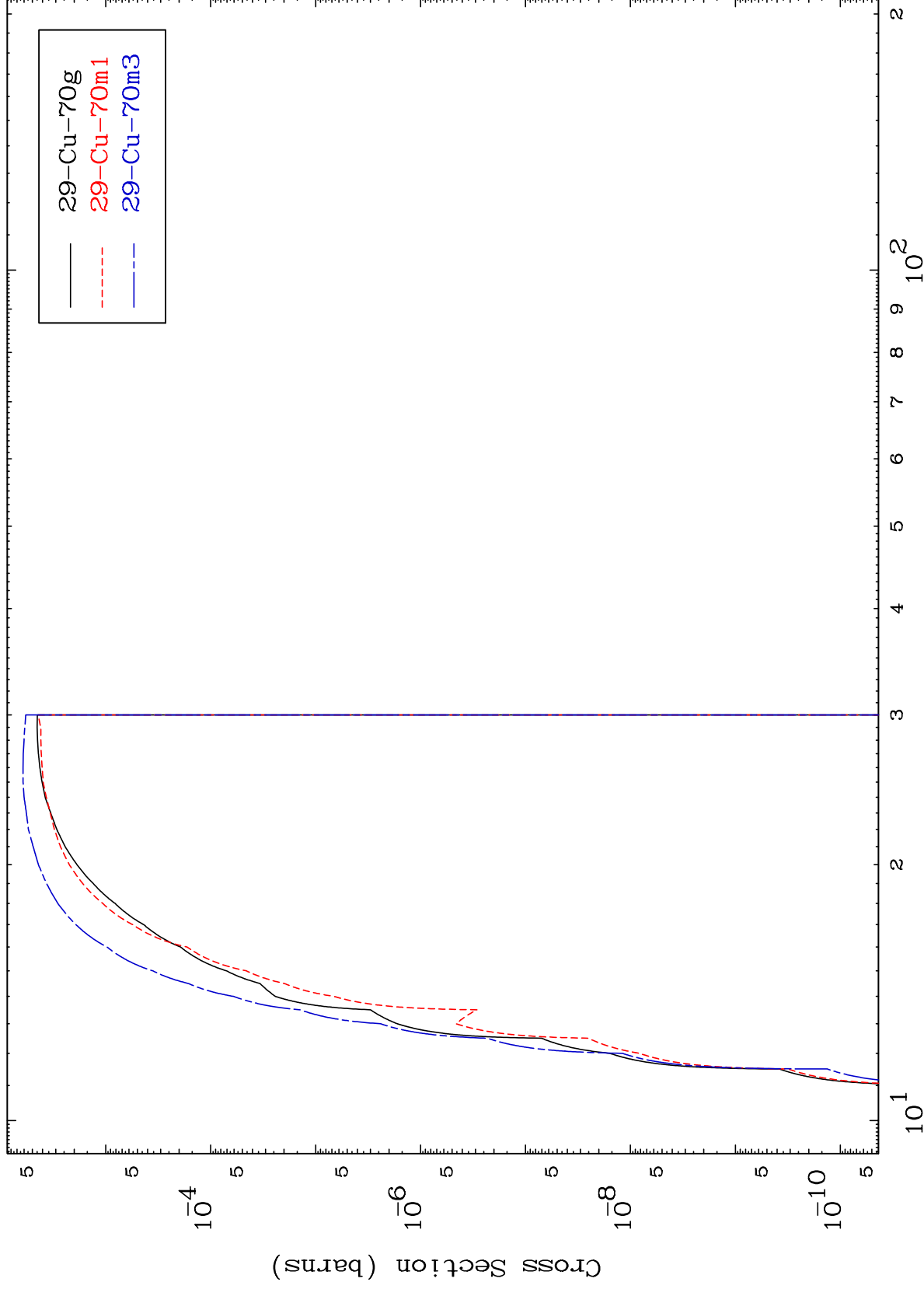


MAT 3046

(n,d)

30-Zn-71

Radionuclide Production Cross Section



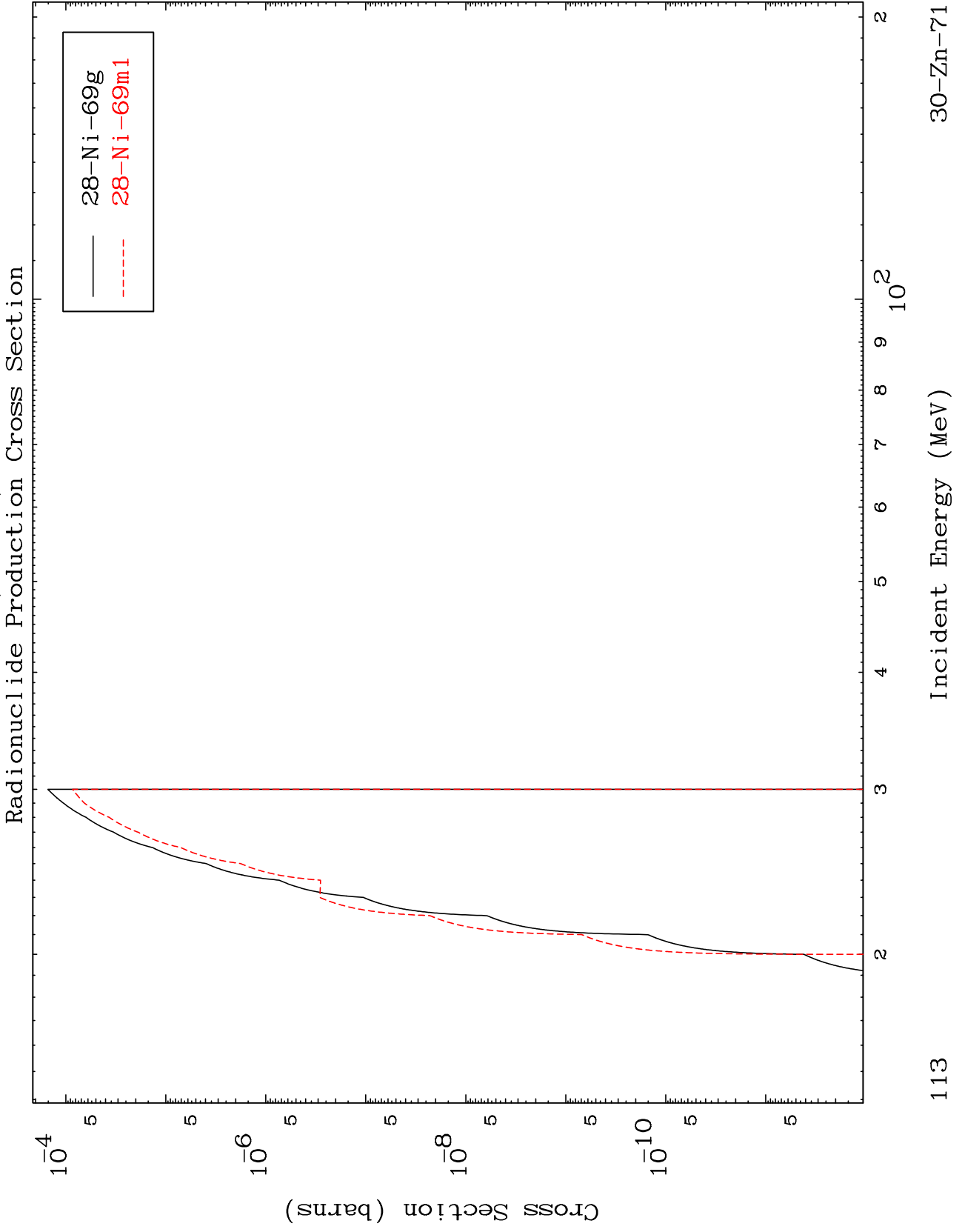
Incident Energy (MeV)

30-Zn-71

MAT 3046

(n,He-3)

30-Zn-71



113

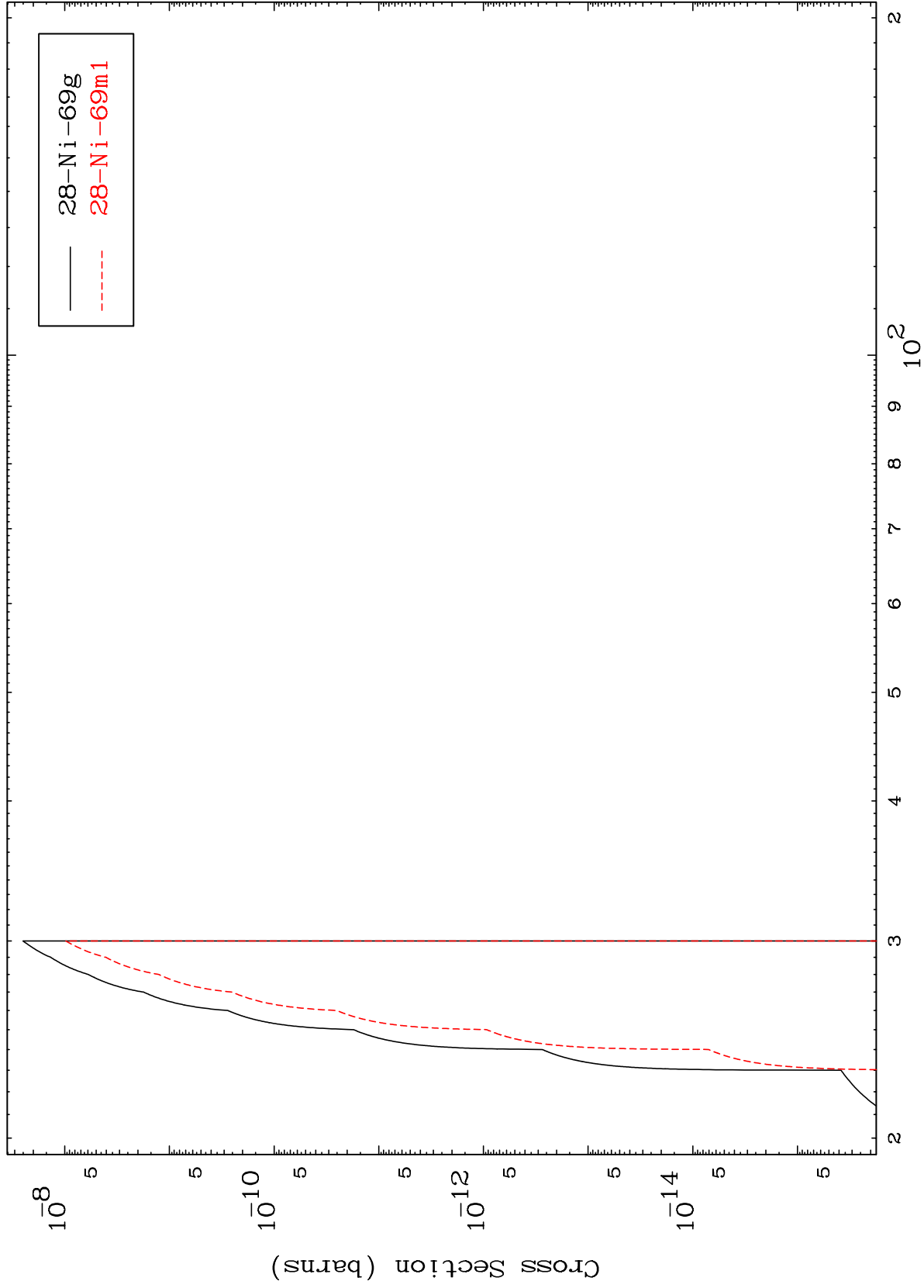
30-Zn-71

MAT 3046

(n,p) d

30-Zn-71

Radionuclide Production Cross Section



114

Incident Energy (MeV)

30-Zn-71