

Program EVALPLOT  
(Version 2015-2)

by

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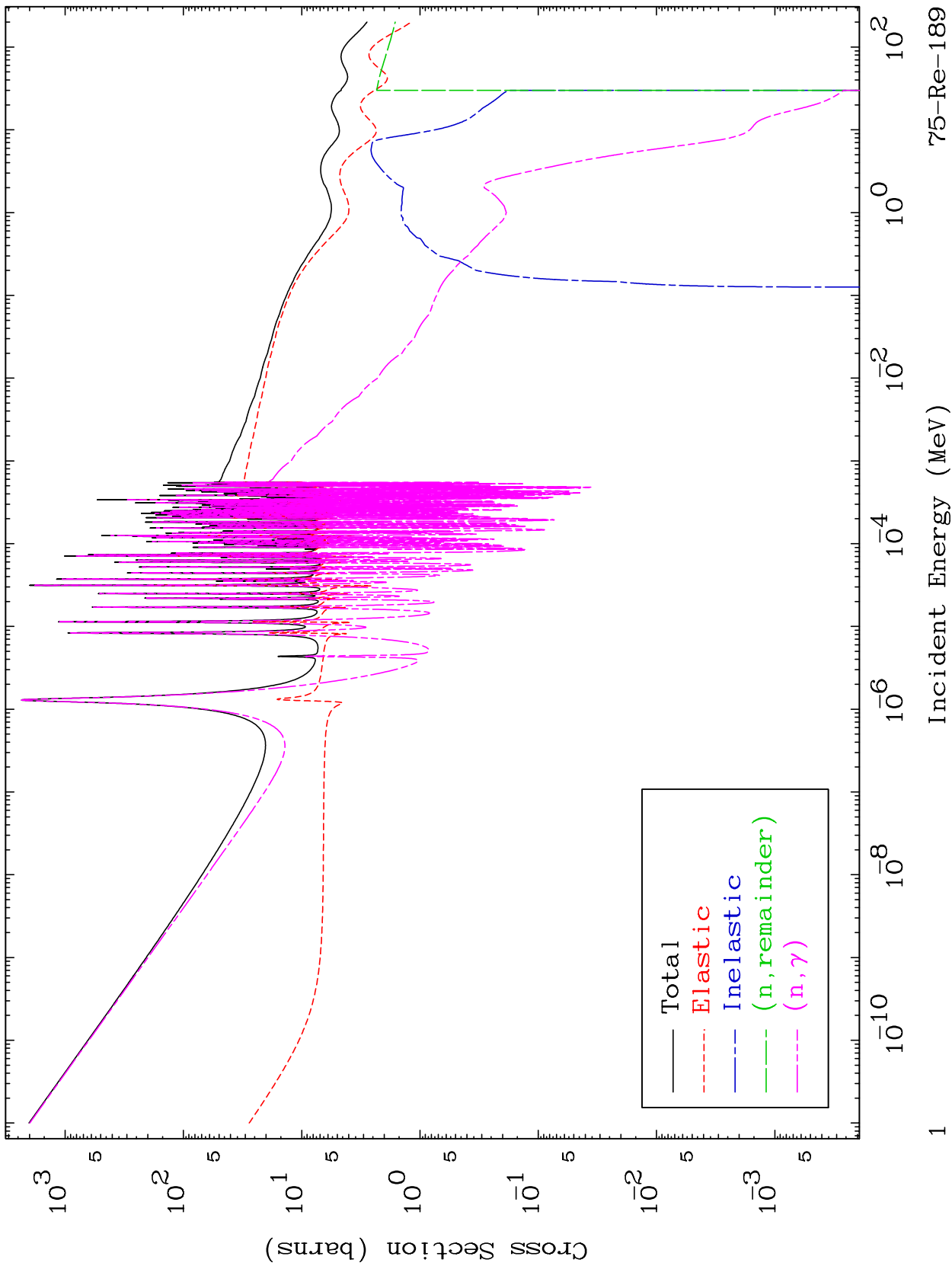
Press Mouse Button to Start

MAT 7537

Major

293 Kelvin Cross Sections

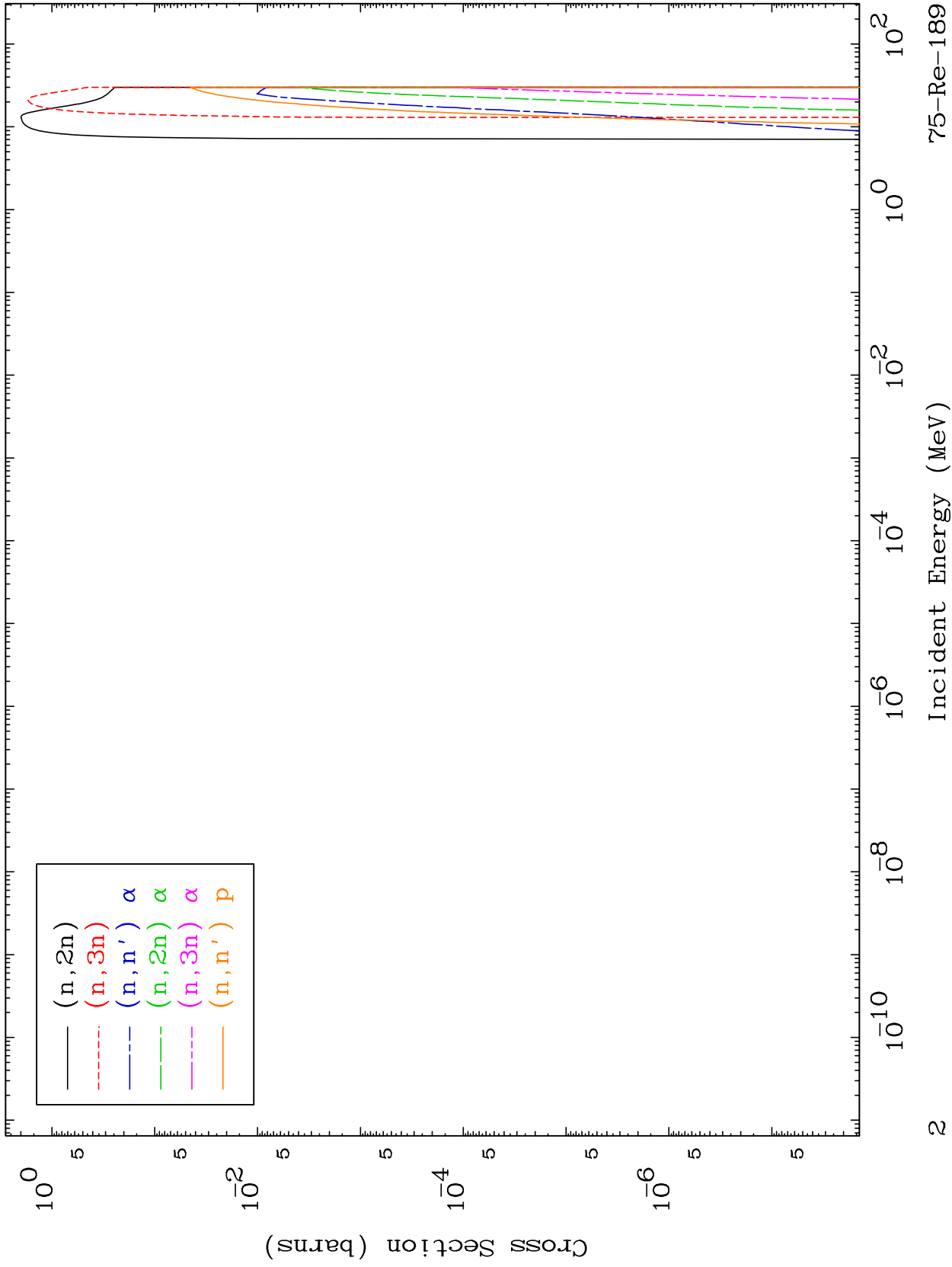
75-Re-189

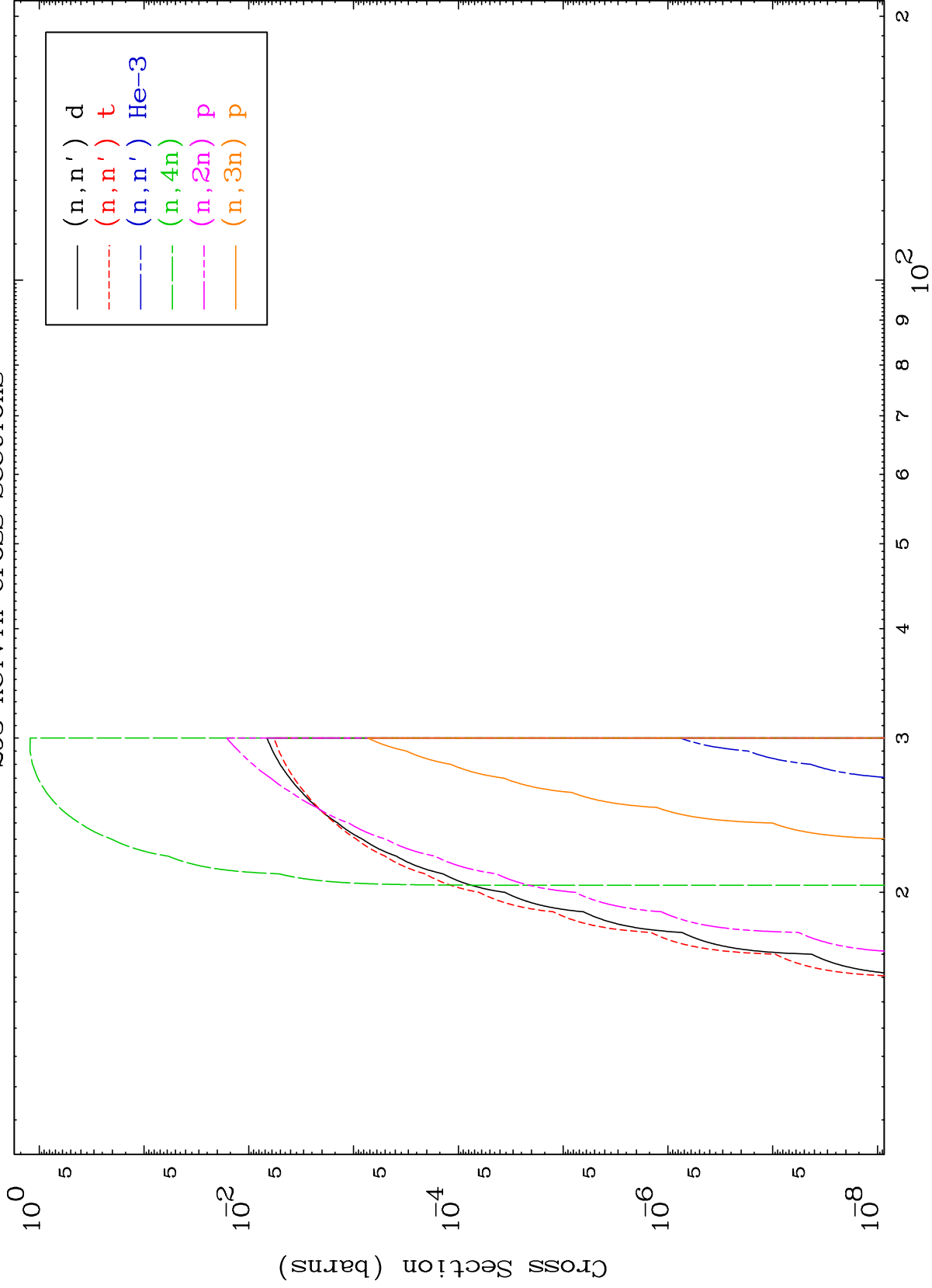


MAT 7537

Neutron Production  
293 Kelvin Cross Sections

75-Re-189

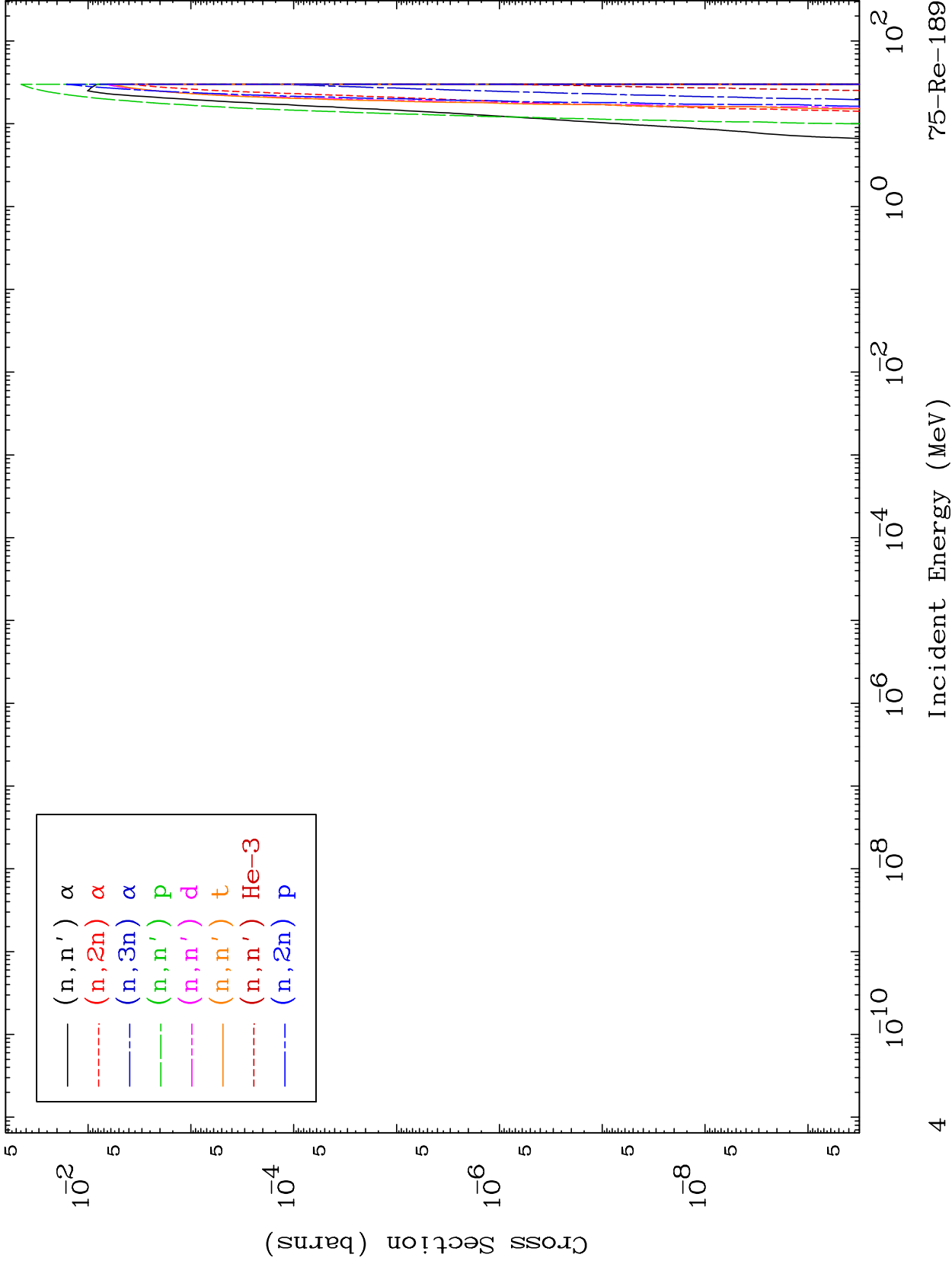




MAT 7537

Charged Particle  
293 Kelvin Cross Sections

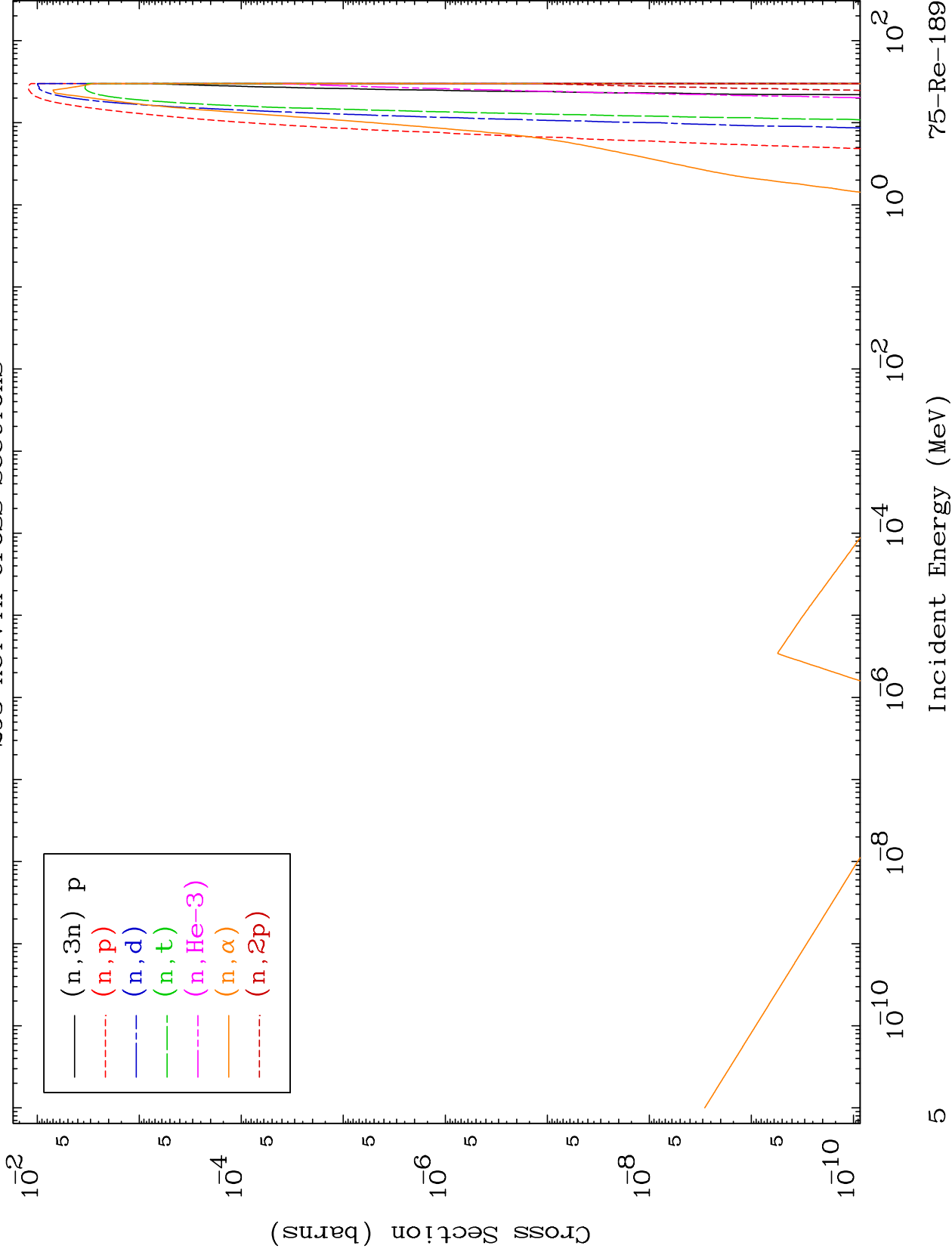
75-Re-189



MAT 7537

Charged Particle  
293 Kelvin Cross Sections

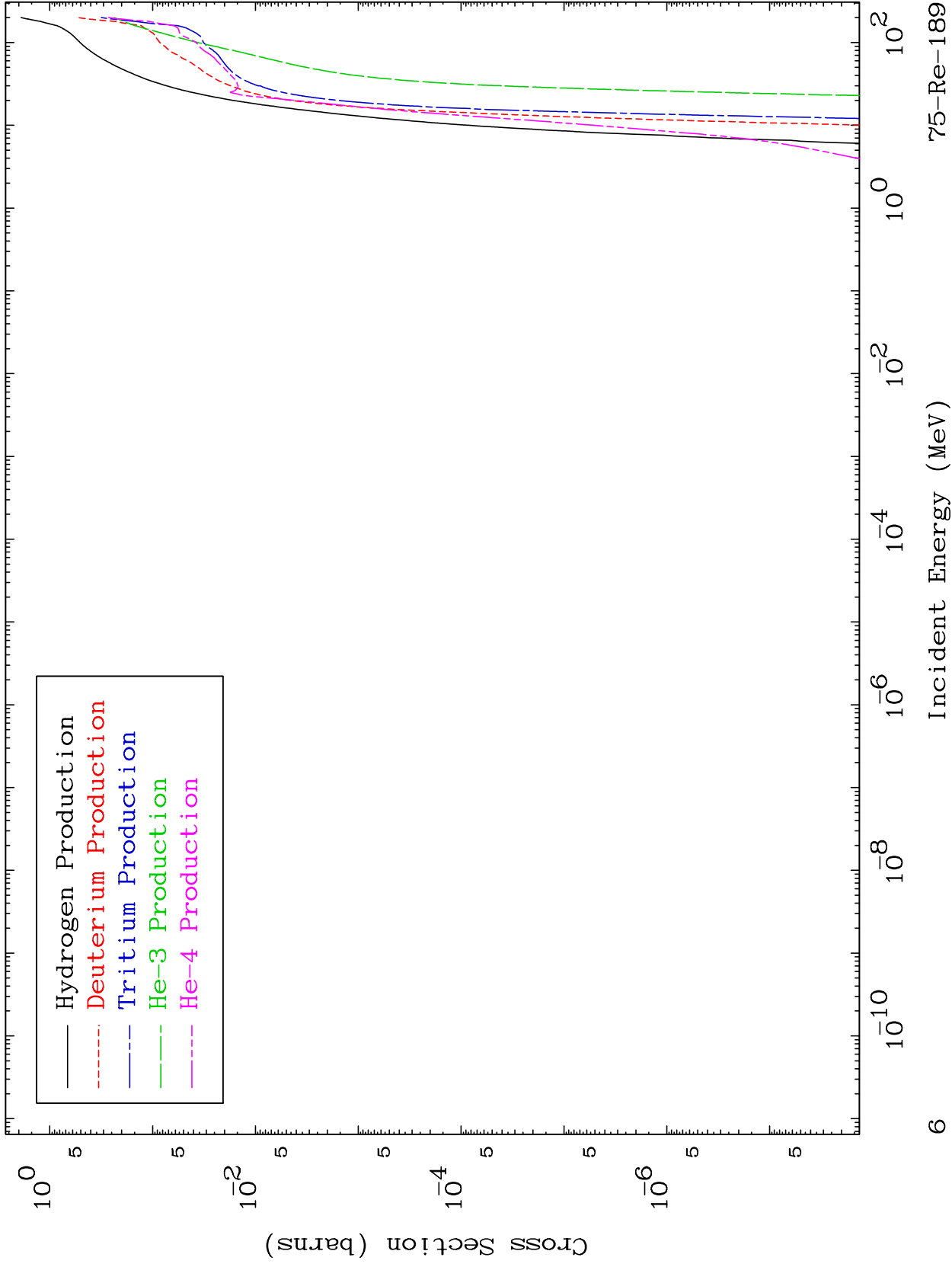
75-Re-189



MAT 7537

Particle Production  
293 Kelvin Cross Sections

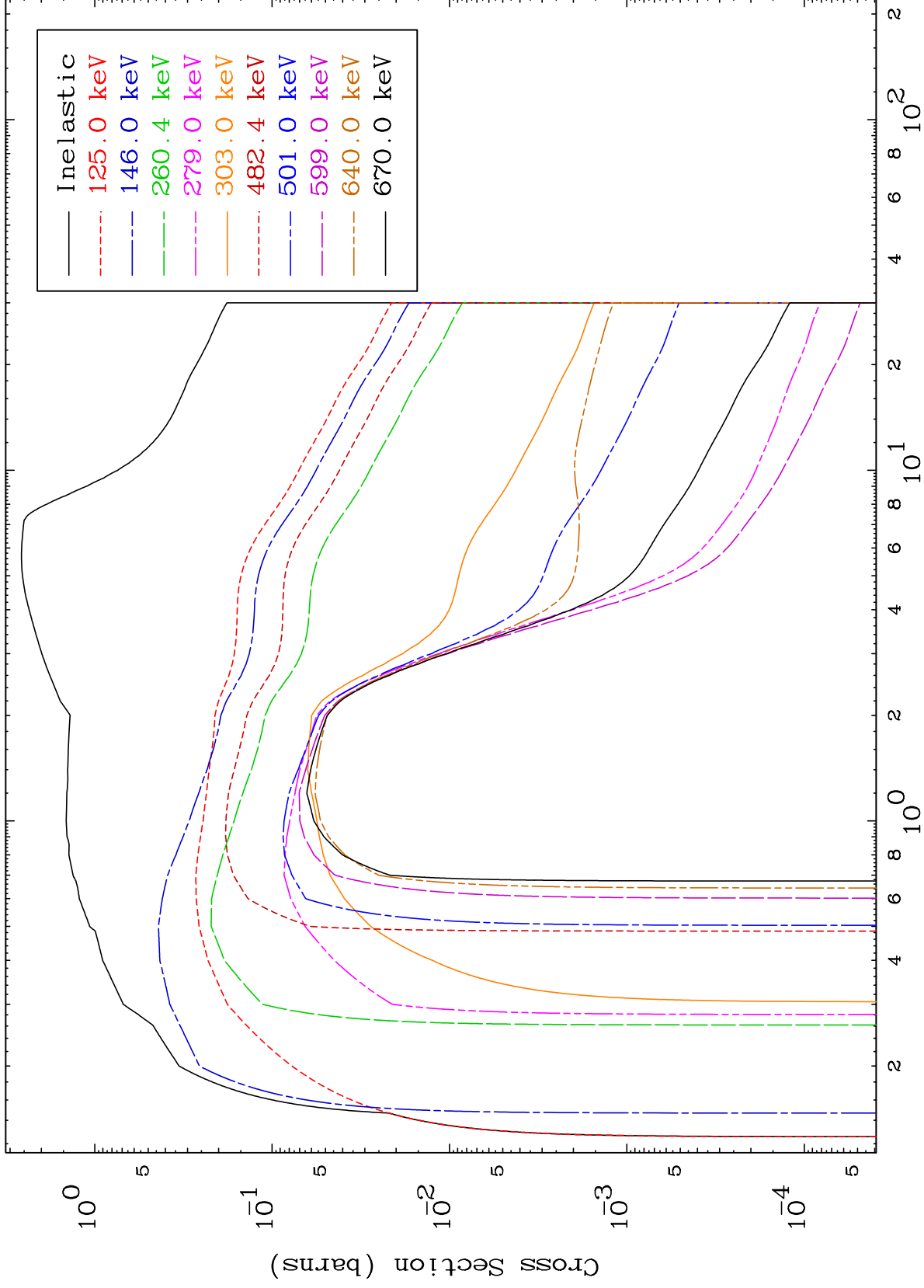
75-Re-189



MAT 7537

(n,n') Level  
293 Kelvin Cross Sections

75-Re-189



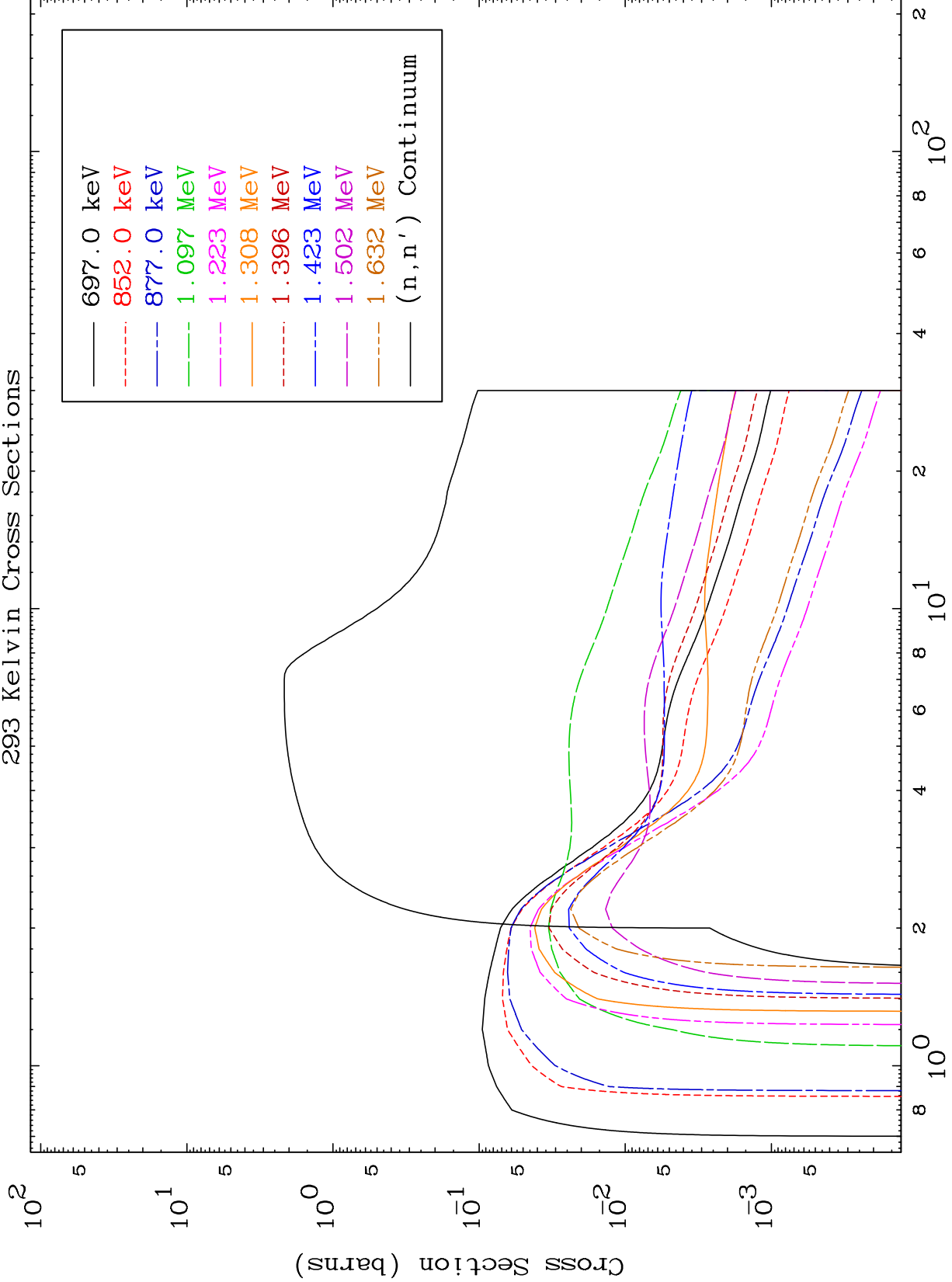


MAT 7537

(n,n') Level

75-Re-189

293 Kelvin Cross Sections



8

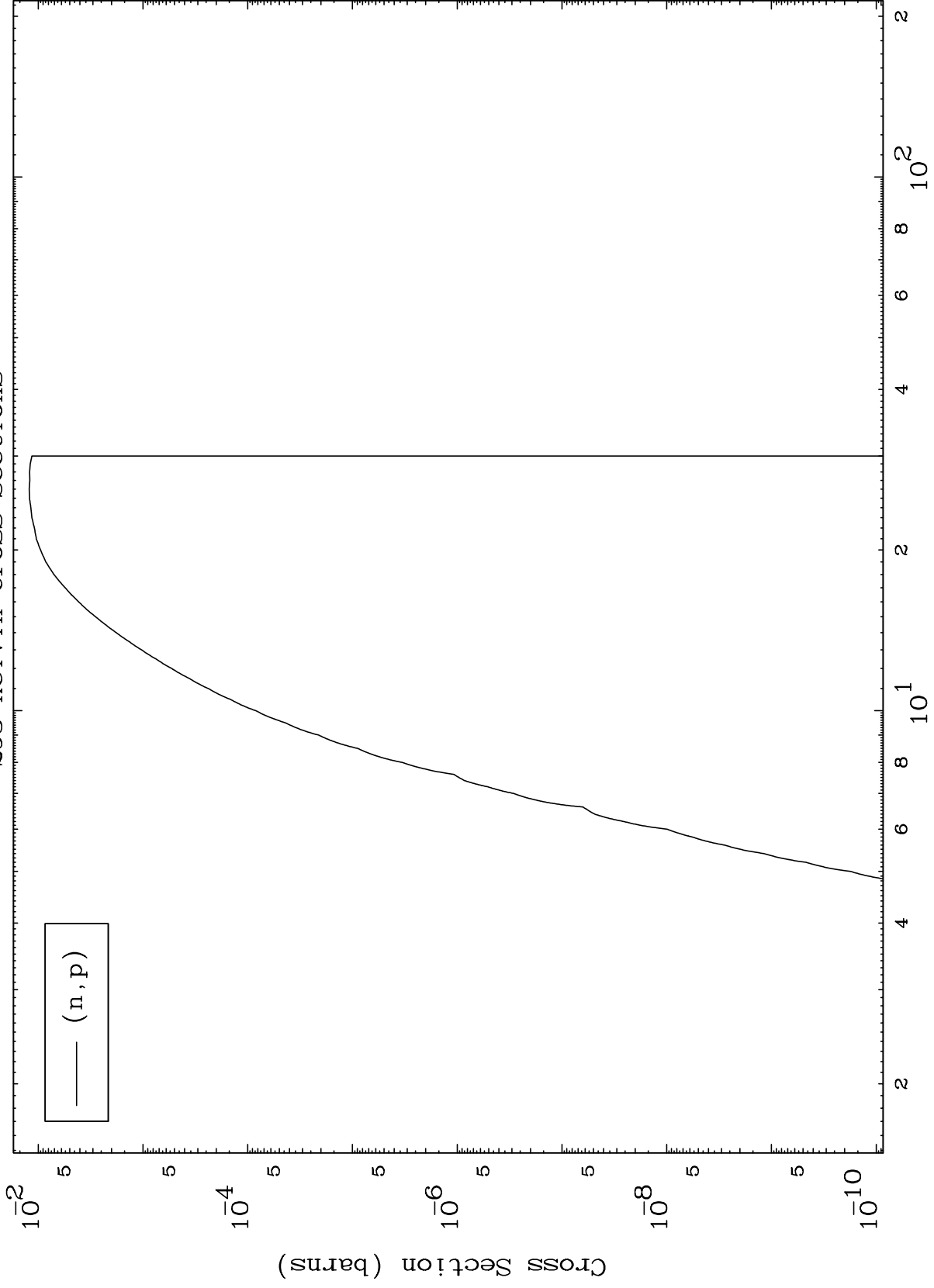
Incident Energy (MeV)

75-Re-189

MAT 7537

(n,p) Levels  
293 Kelvin Cross Sections

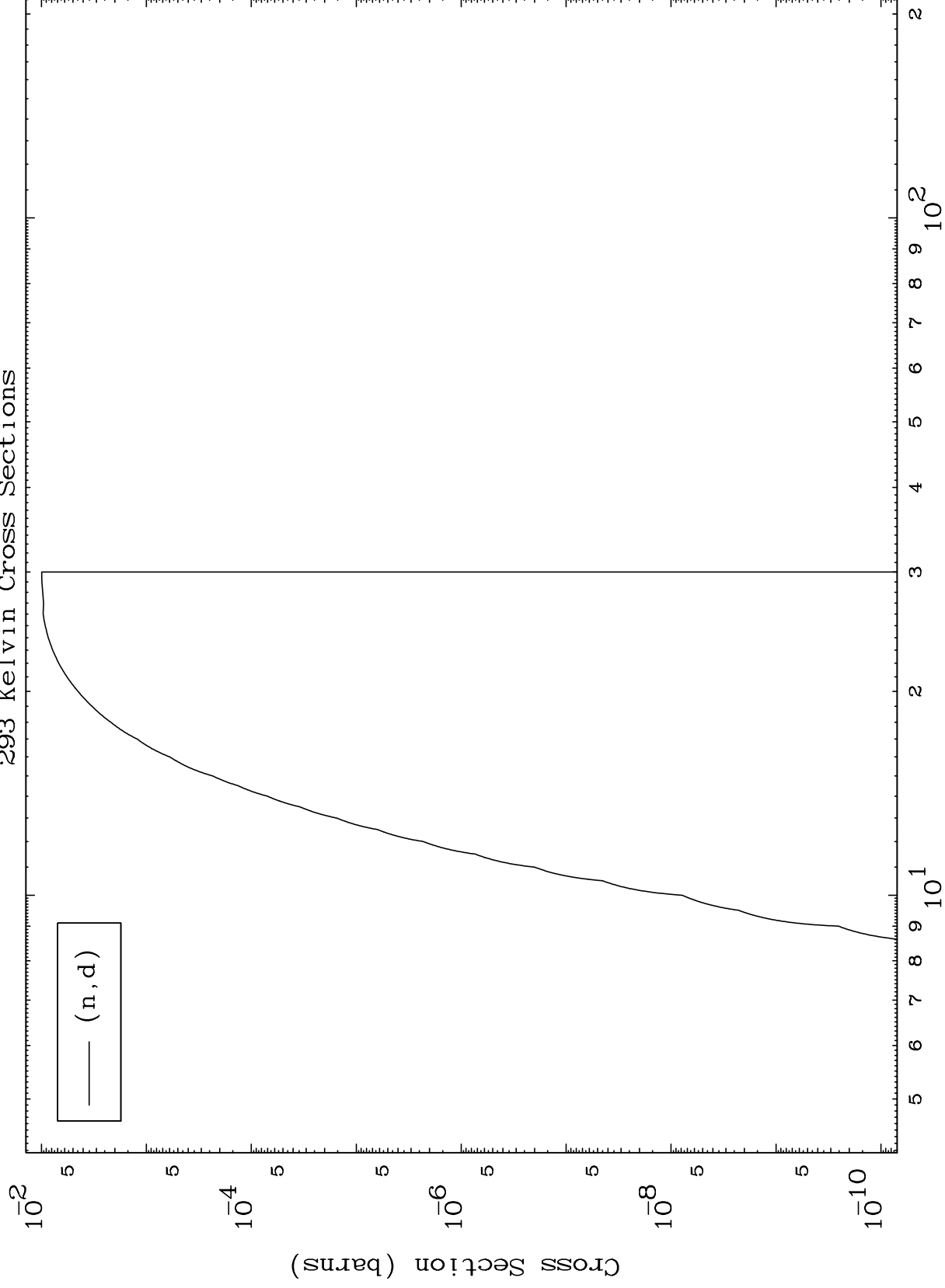
75-Re-189



MAT 7537

(n,d) Levels  
293 Kelvin Cross Sections

75-Re-189



10

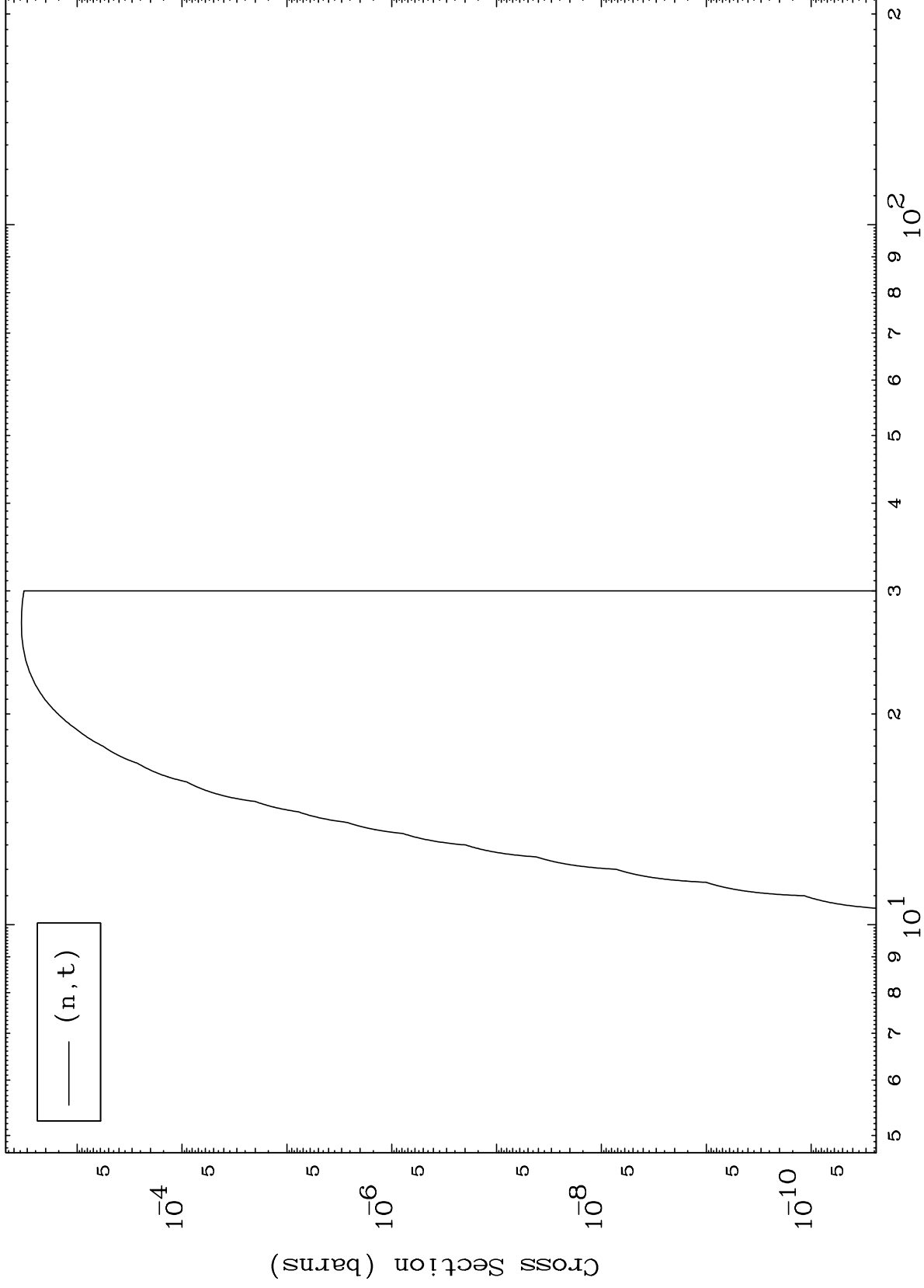
Incident Energy (MeV)

75-Re-189

MAT 7537

(n,t) Levels  
293 Kelvin Cross Sections

75-Re-189



11

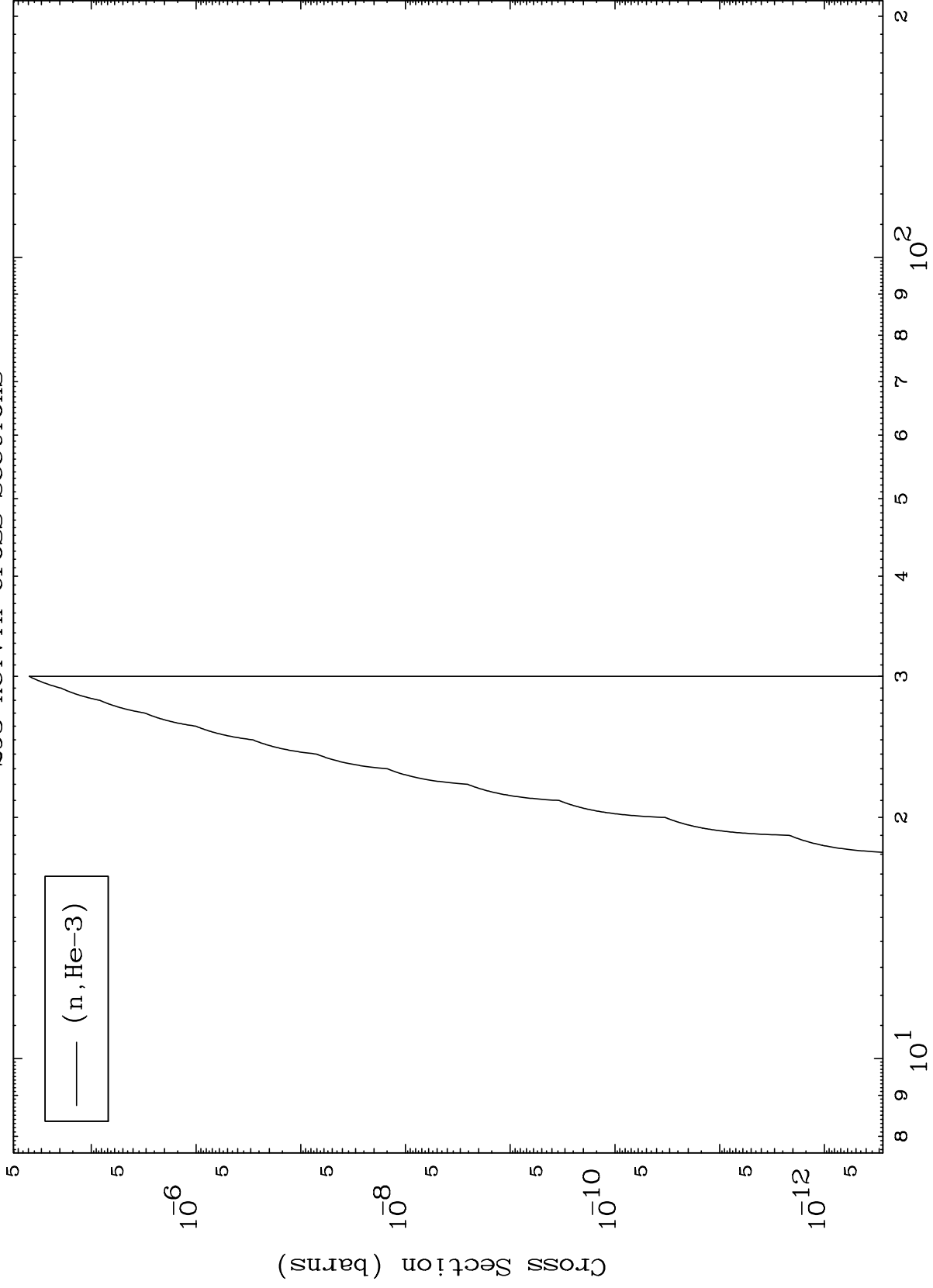
Incident Energy (MeV)

75-Re-189

MAT 7537

(n,He3) Levels  
293 Kelvin Cross Sections

75-Re-189



12

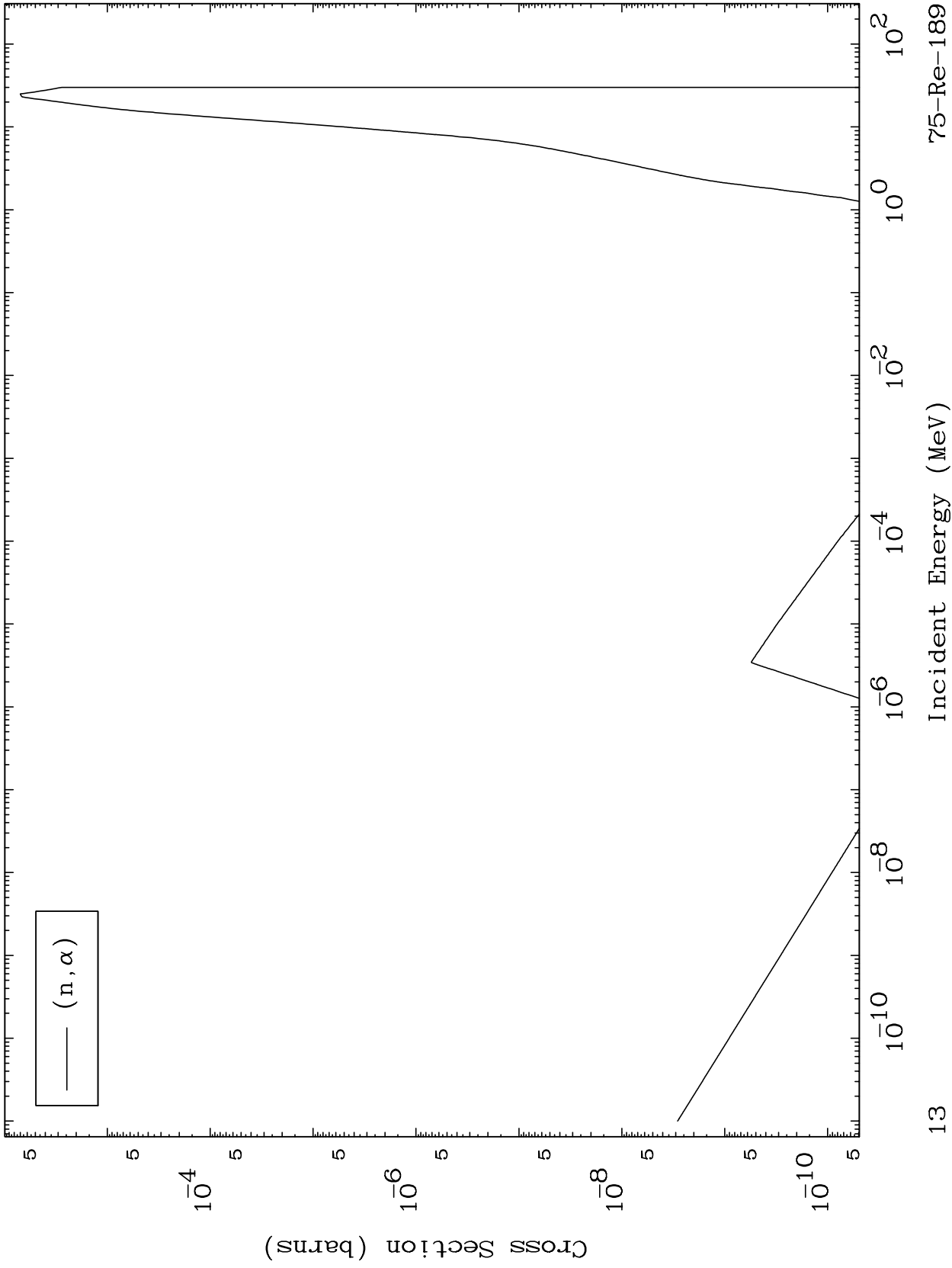
Incident Energy (MeV)

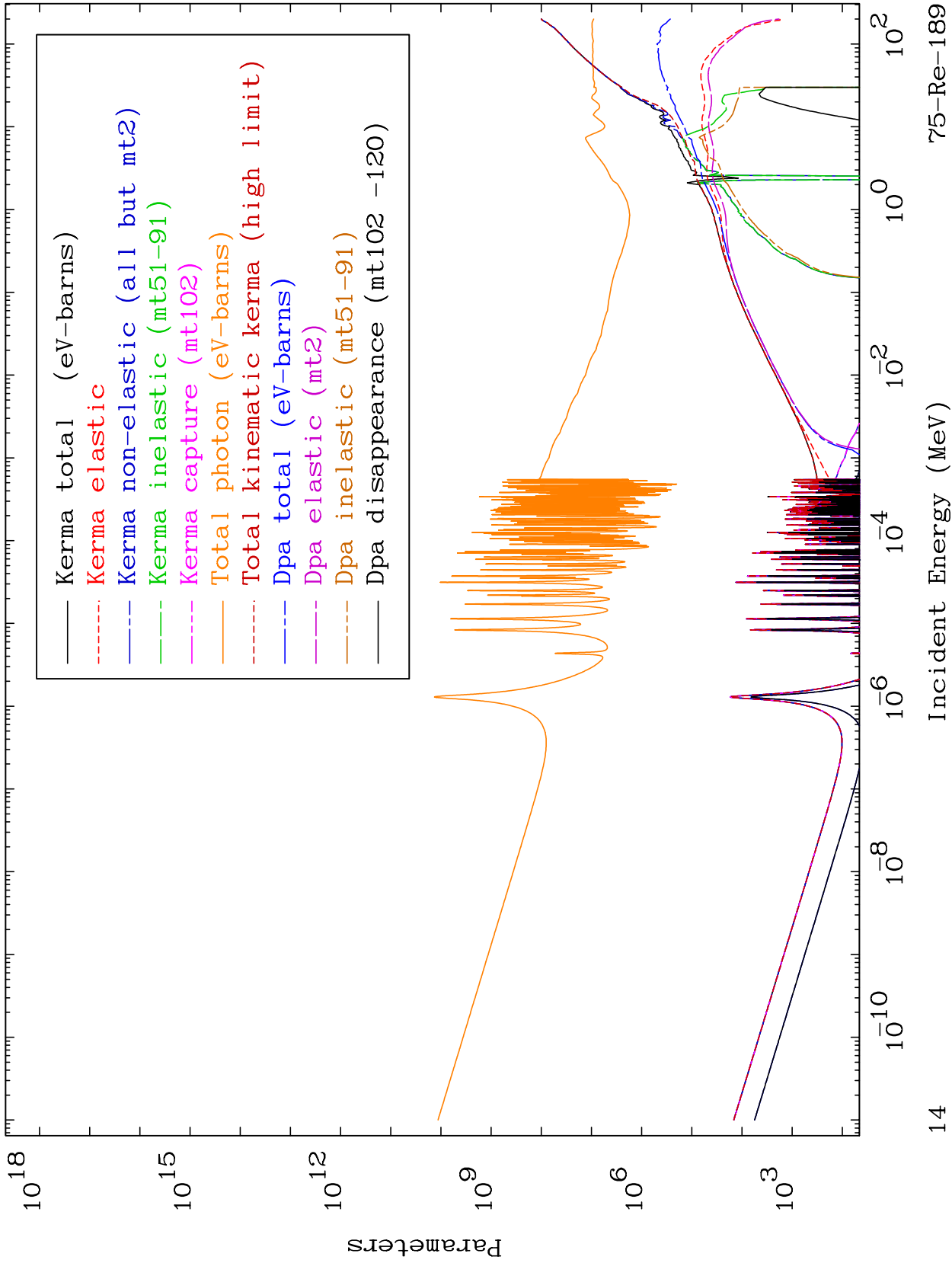
75-Re-189

MAT 7537

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

75-Re-189

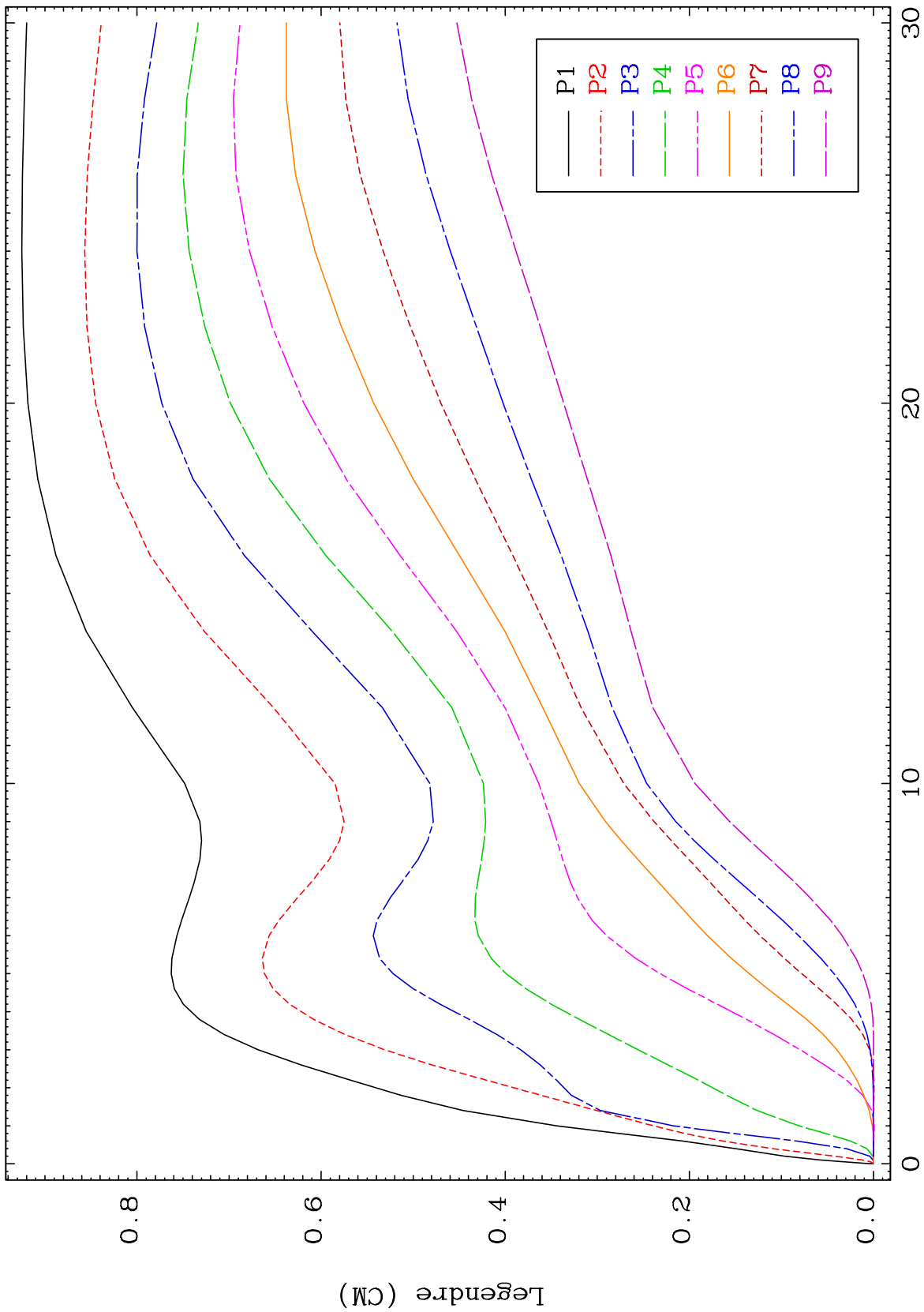




MAT 7537

Elastic Legendre Coefficients

75-Re-189



15

Incident Energy (MeV)

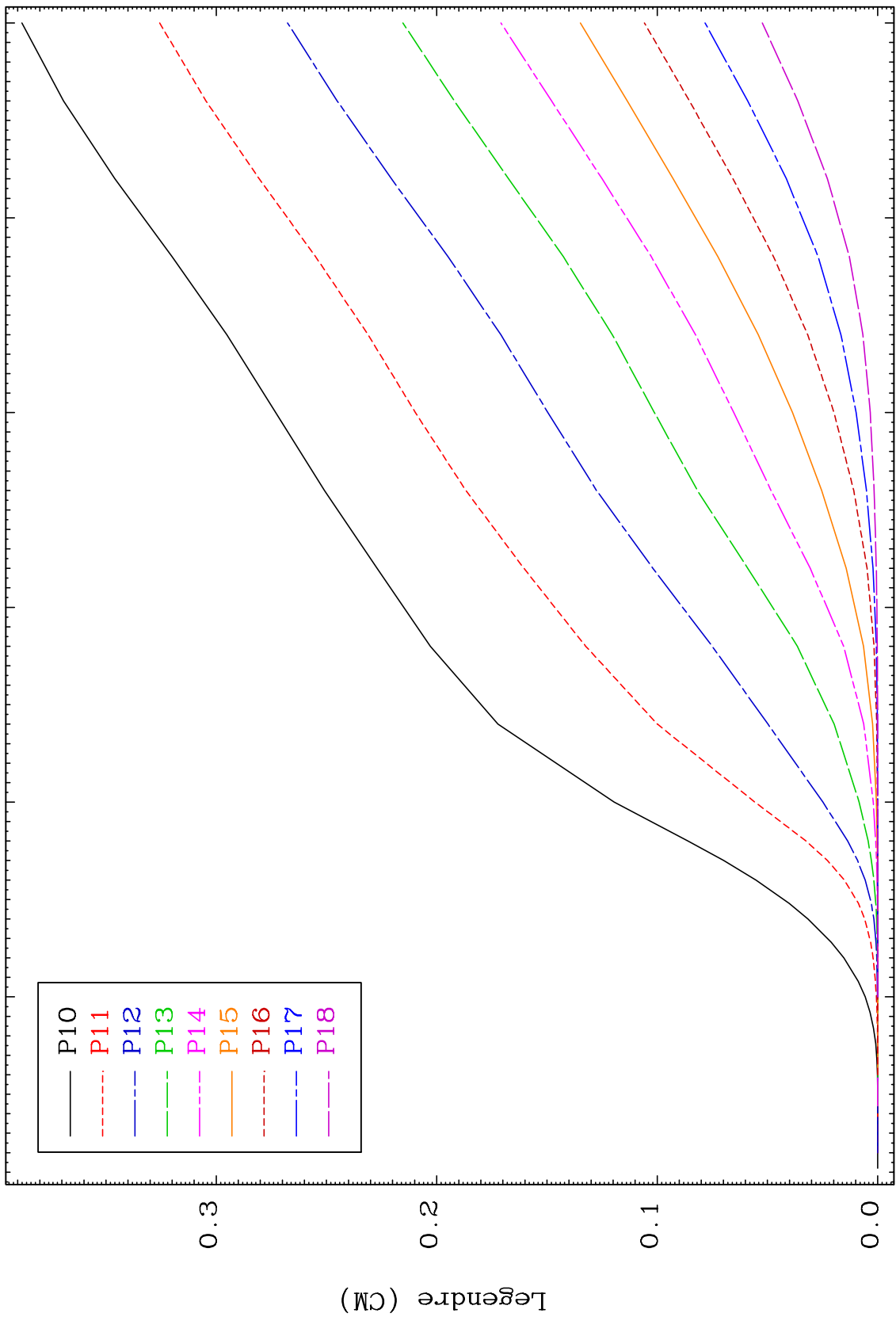
75-Re-189



MAT 7537

Elastic Legendre Coefficients

<sup>75</sup>Re-<sup>189</sup>



16

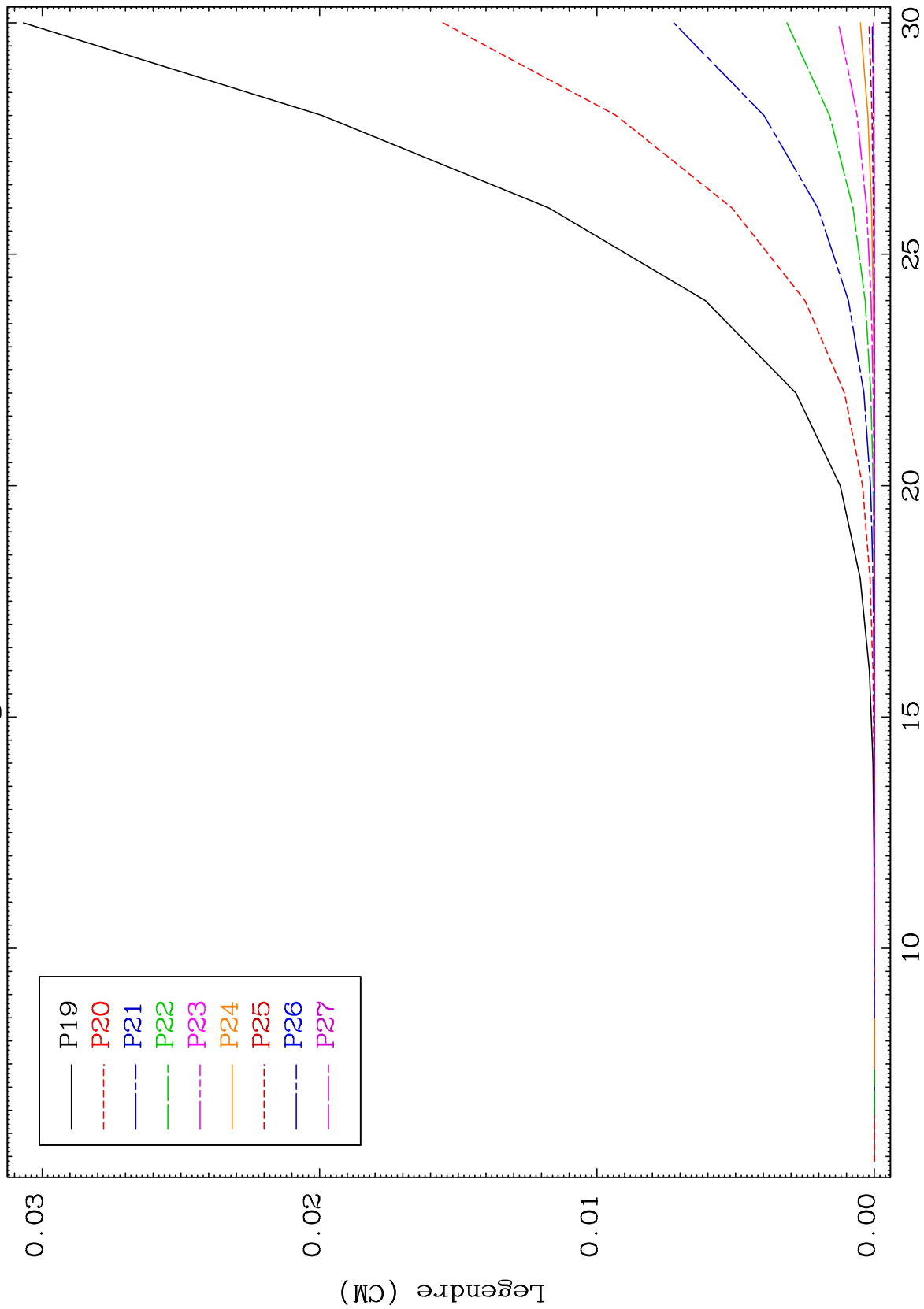
Incident Energy (MeV)

<sup>75</sup>Re-<sup>189</sup>

MAT 7537

Elastic Legendre Coefficients

75-Re-189



17

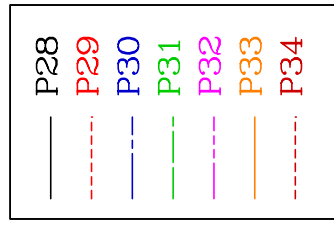
Incident Energy (MeV)

75-Re-189

MAT 7537

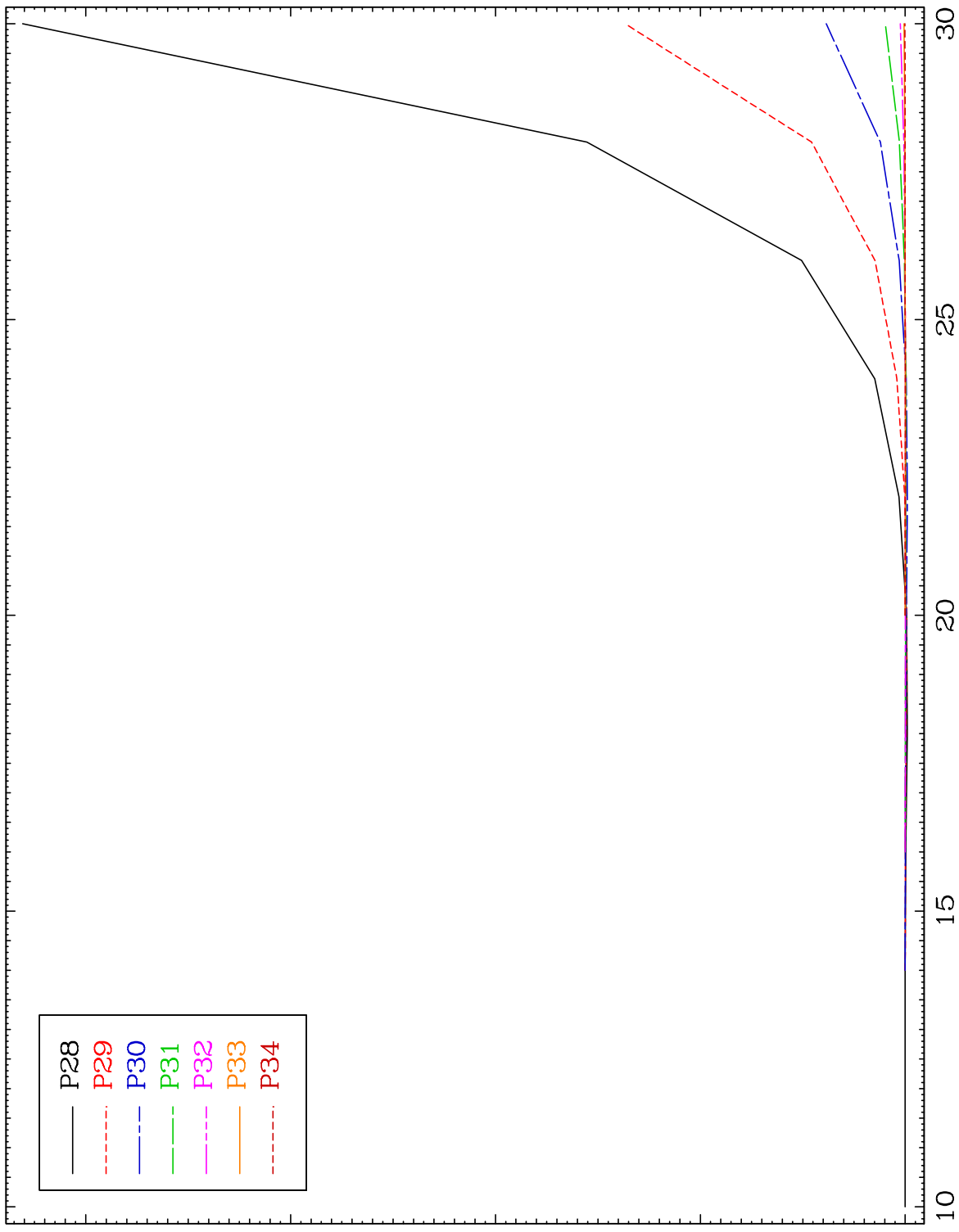
Elastic  
Legendre Coefficients

75-Re-189



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

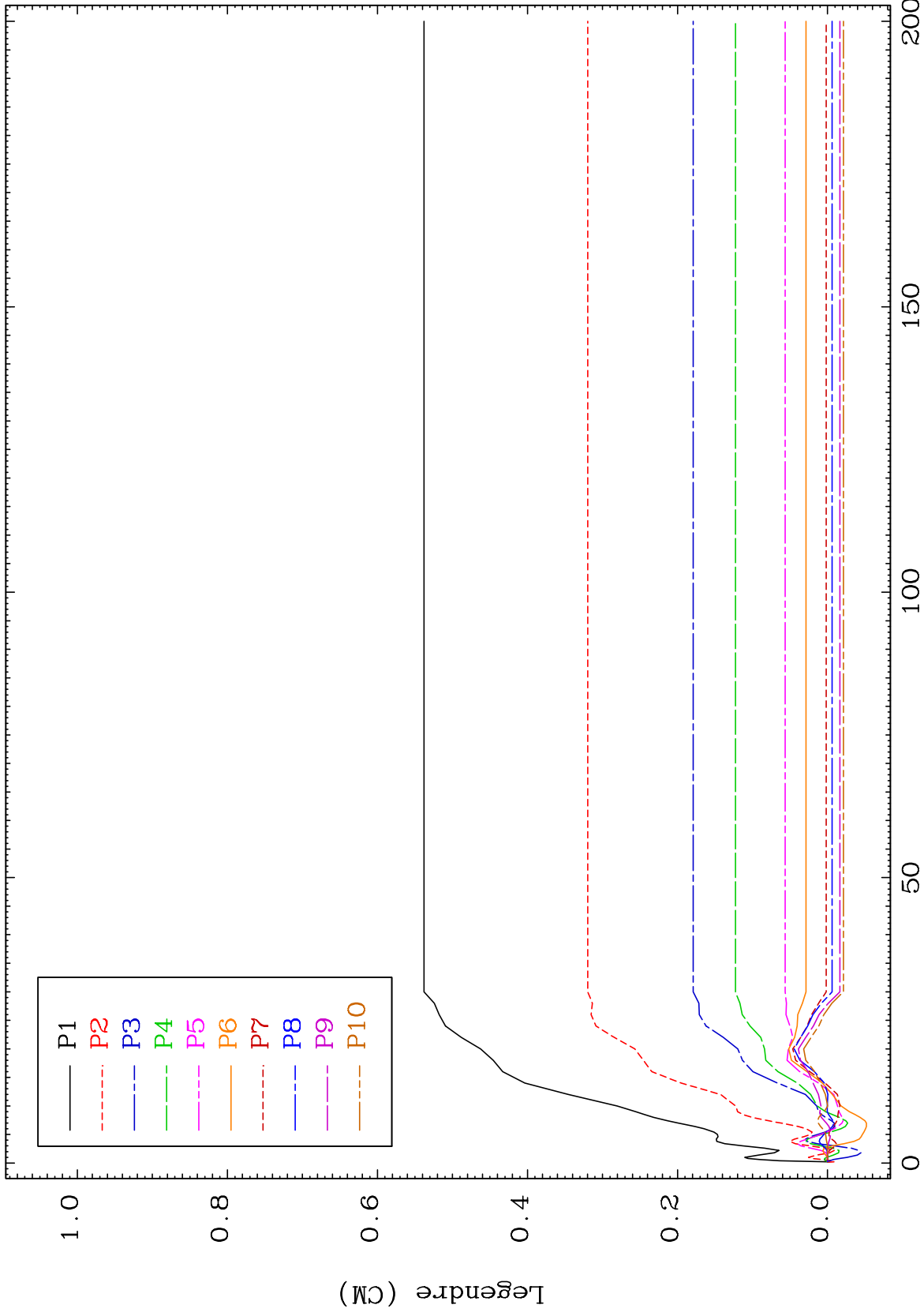
Incident Energy (MeV)

75-Re-189

MAT 7537

125.0 keV (n,n') Level  
Legendre Coefficients

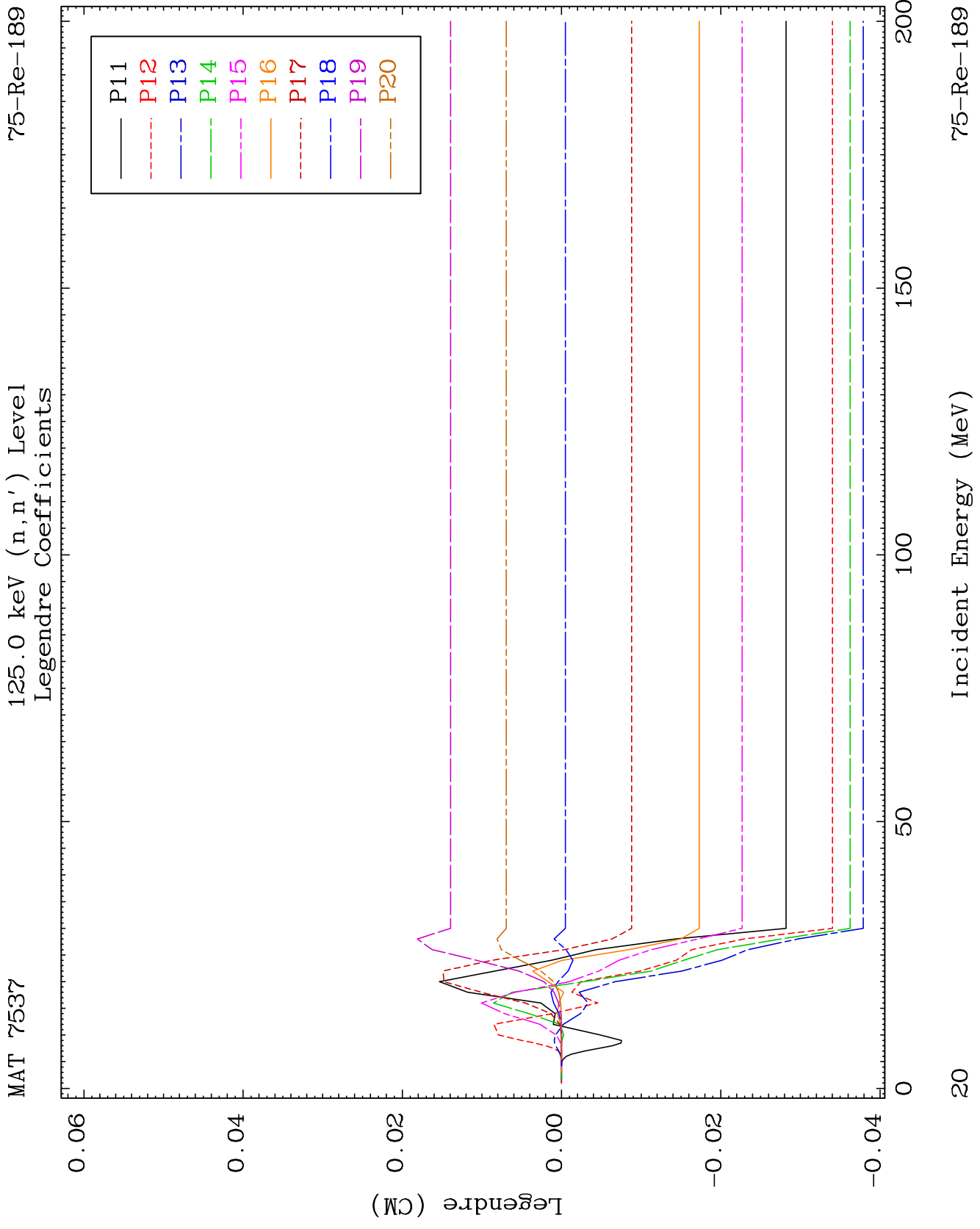
75-Re-189



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Incident Energy (MeV)

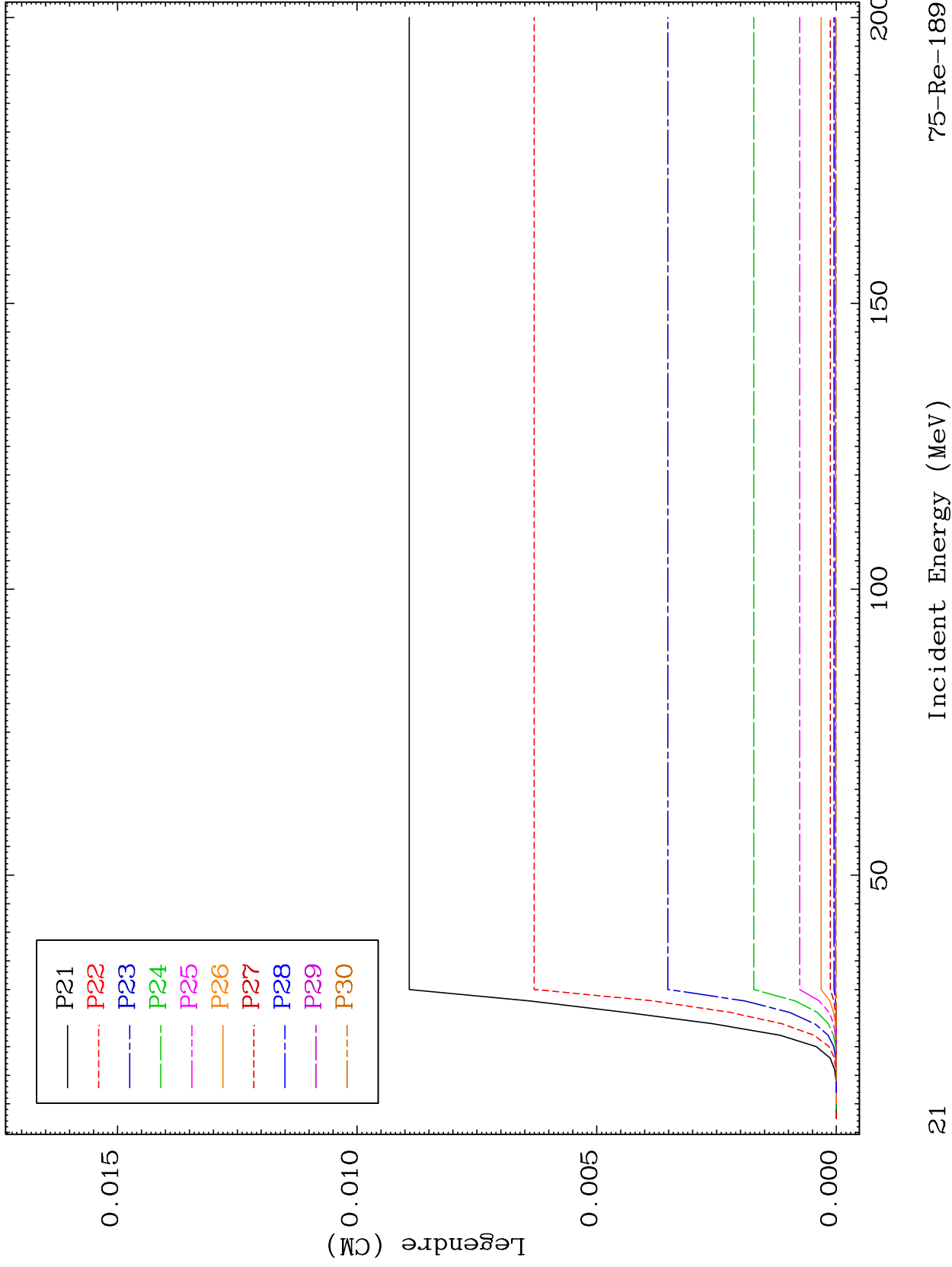
75-Re-189

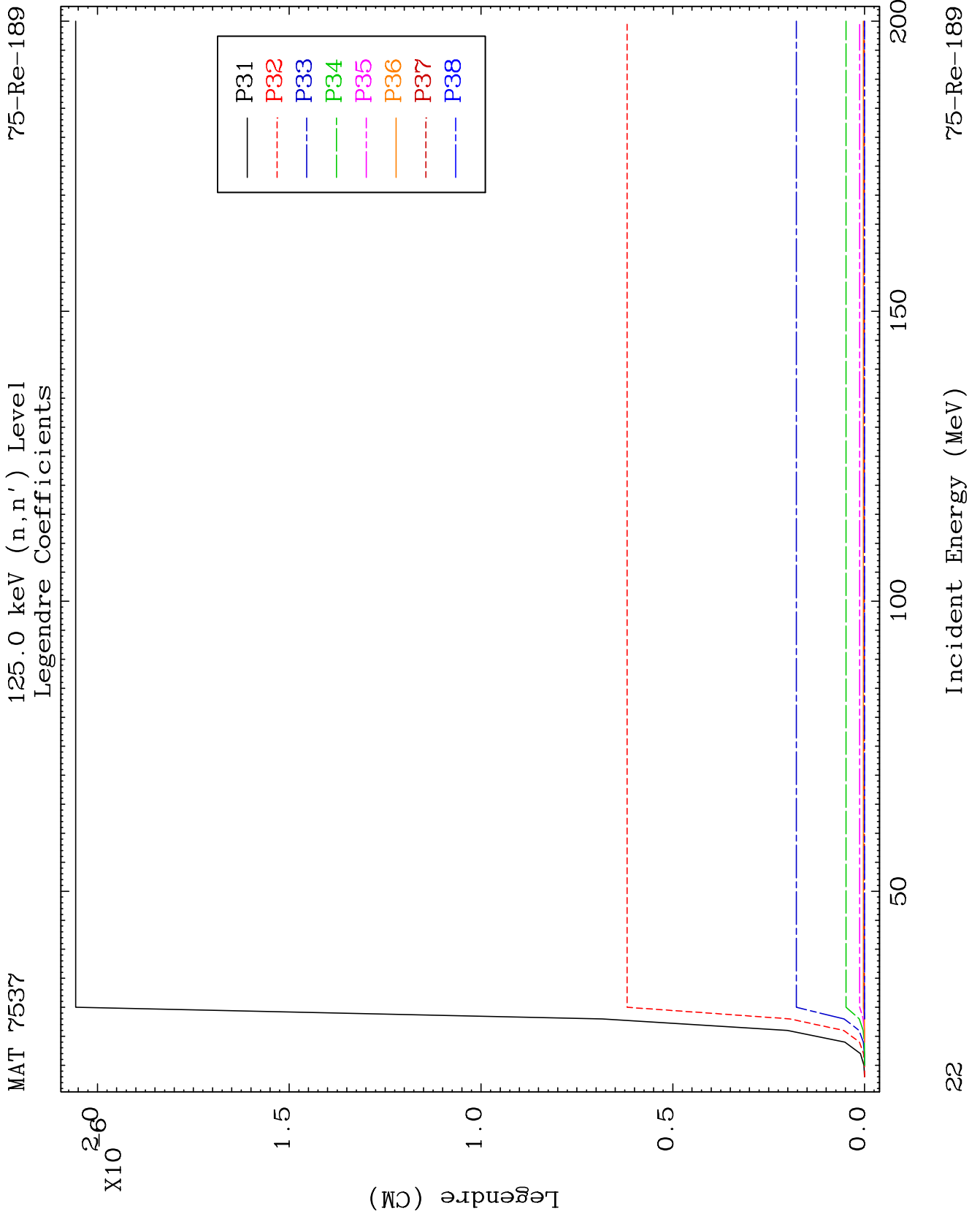


MAT 7537

125.0 keV (n, n') Level  
Legendre Coefficients

75-Re-189

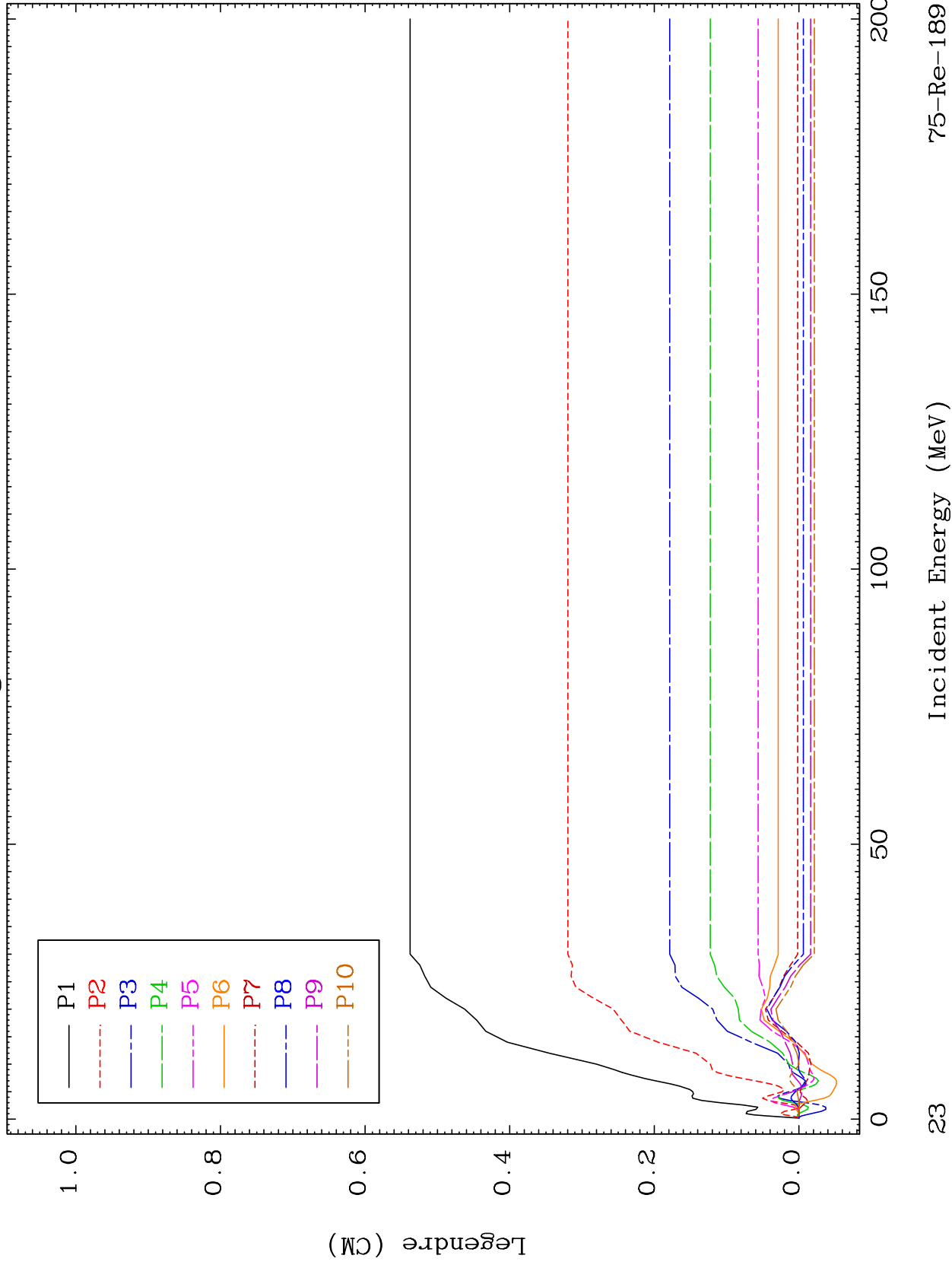




MAT 7537

146.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



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Incident Energy (MeV)

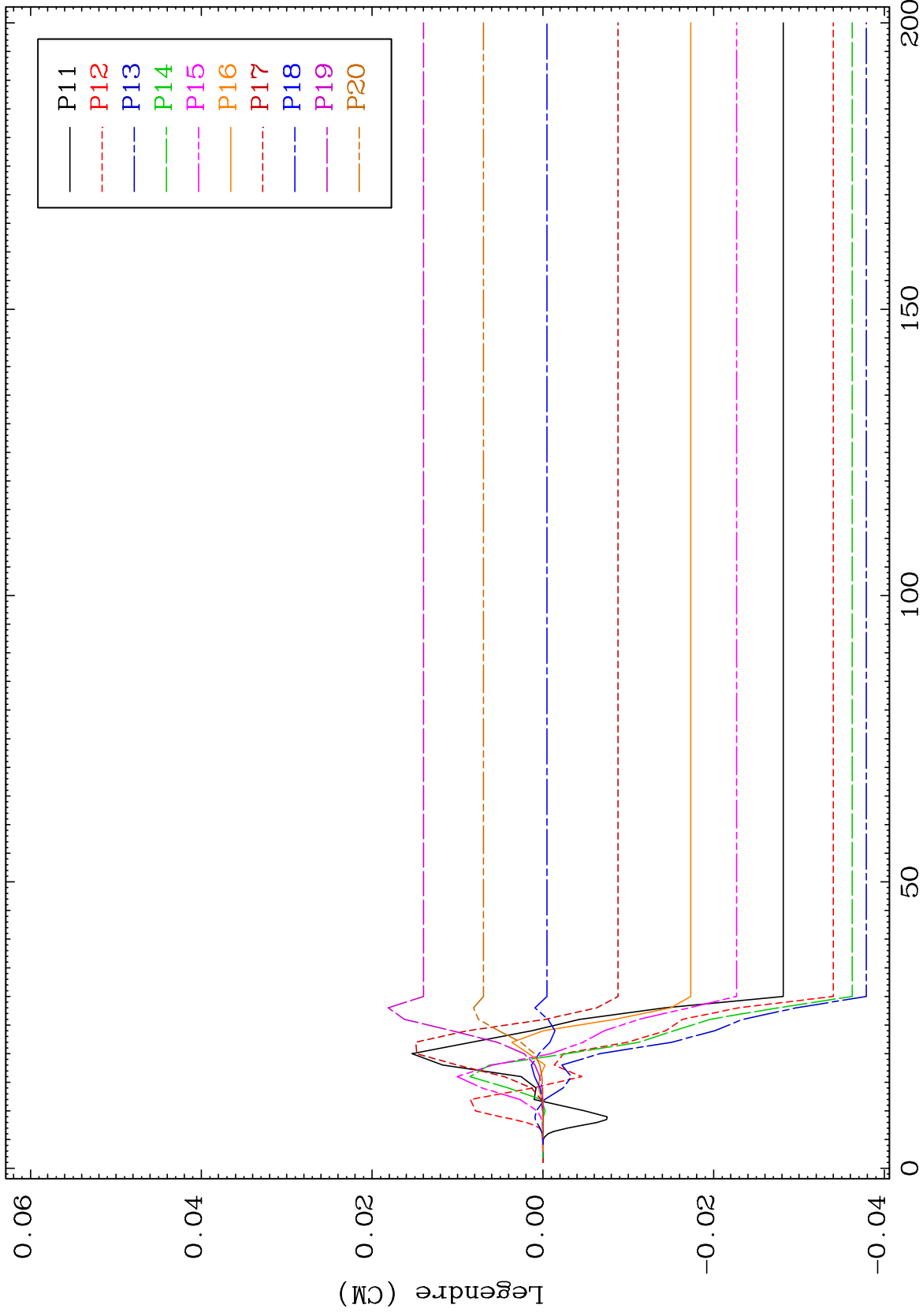
75-Re-189



MAT 7537

146.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



24

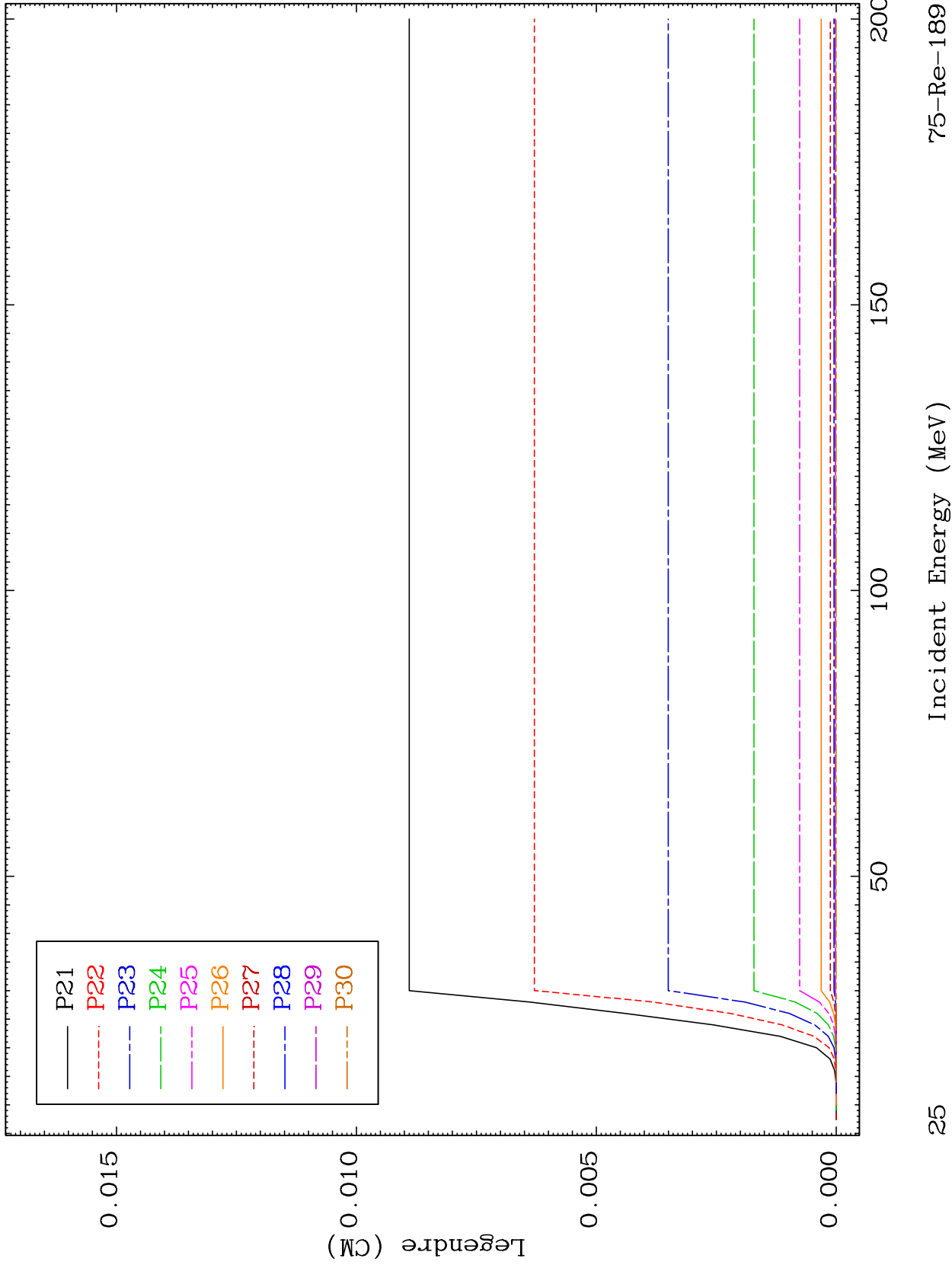
Incident Energy (MeV)

75-Re-189

MAT 7537

146.0 keV (n, n') Level  
Legendre Coefficients

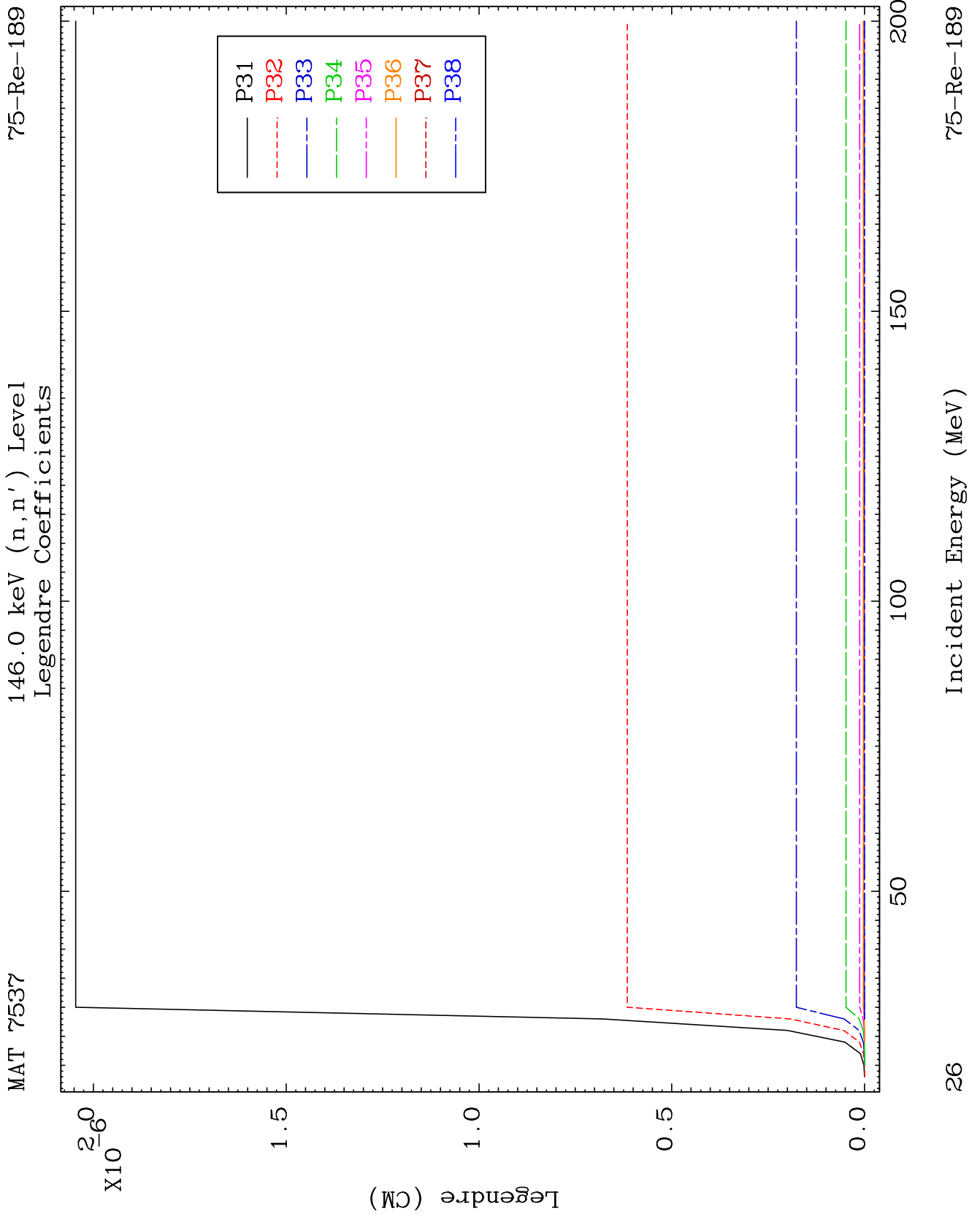
75-Re-189



25

Incident Energy (MeV)

75-Re-189

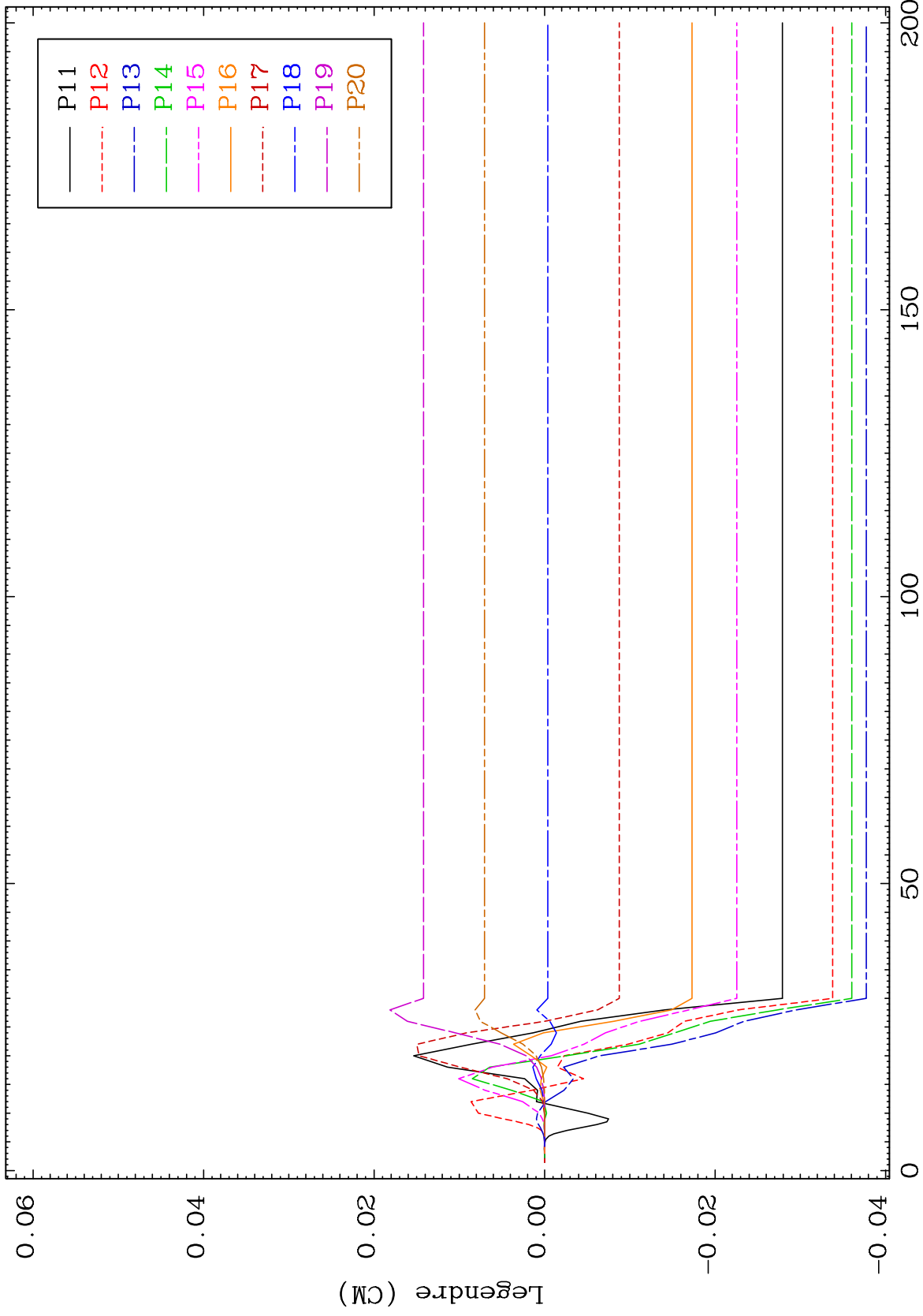




MAT 7537

260.4 keV (n,n') Level  
Legendre Coefficients

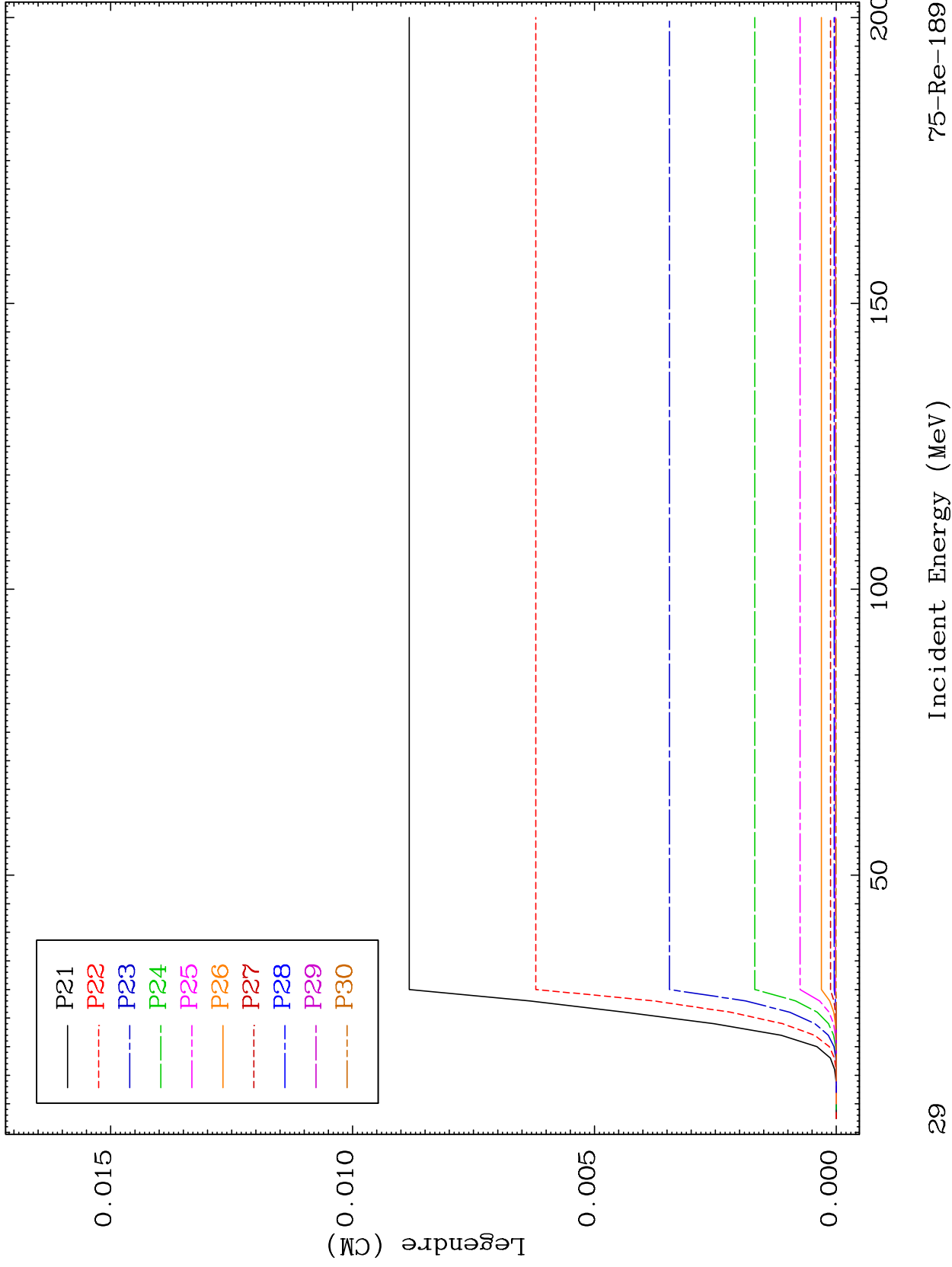
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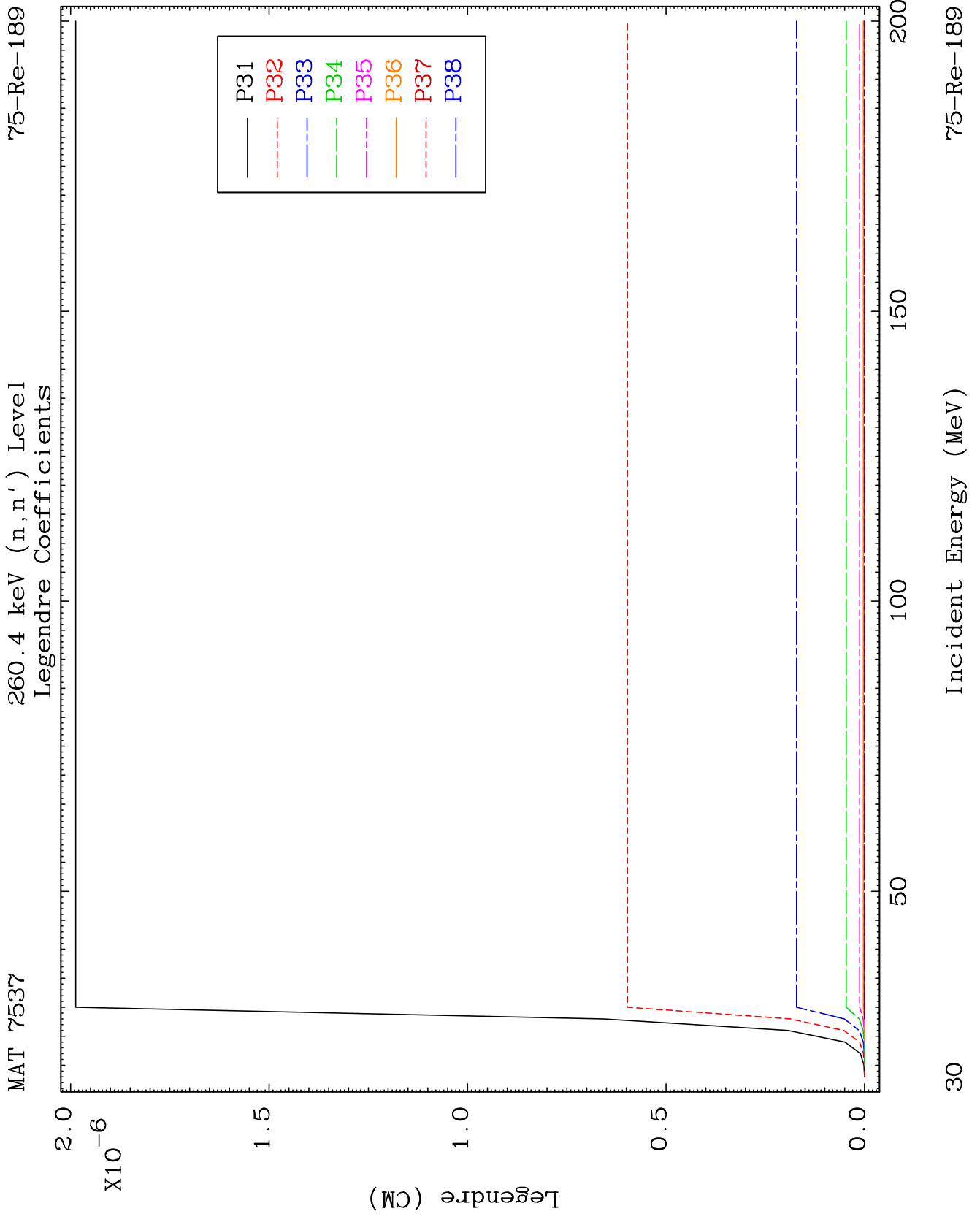


28

Incident Energy (MeV)

75-Re-189

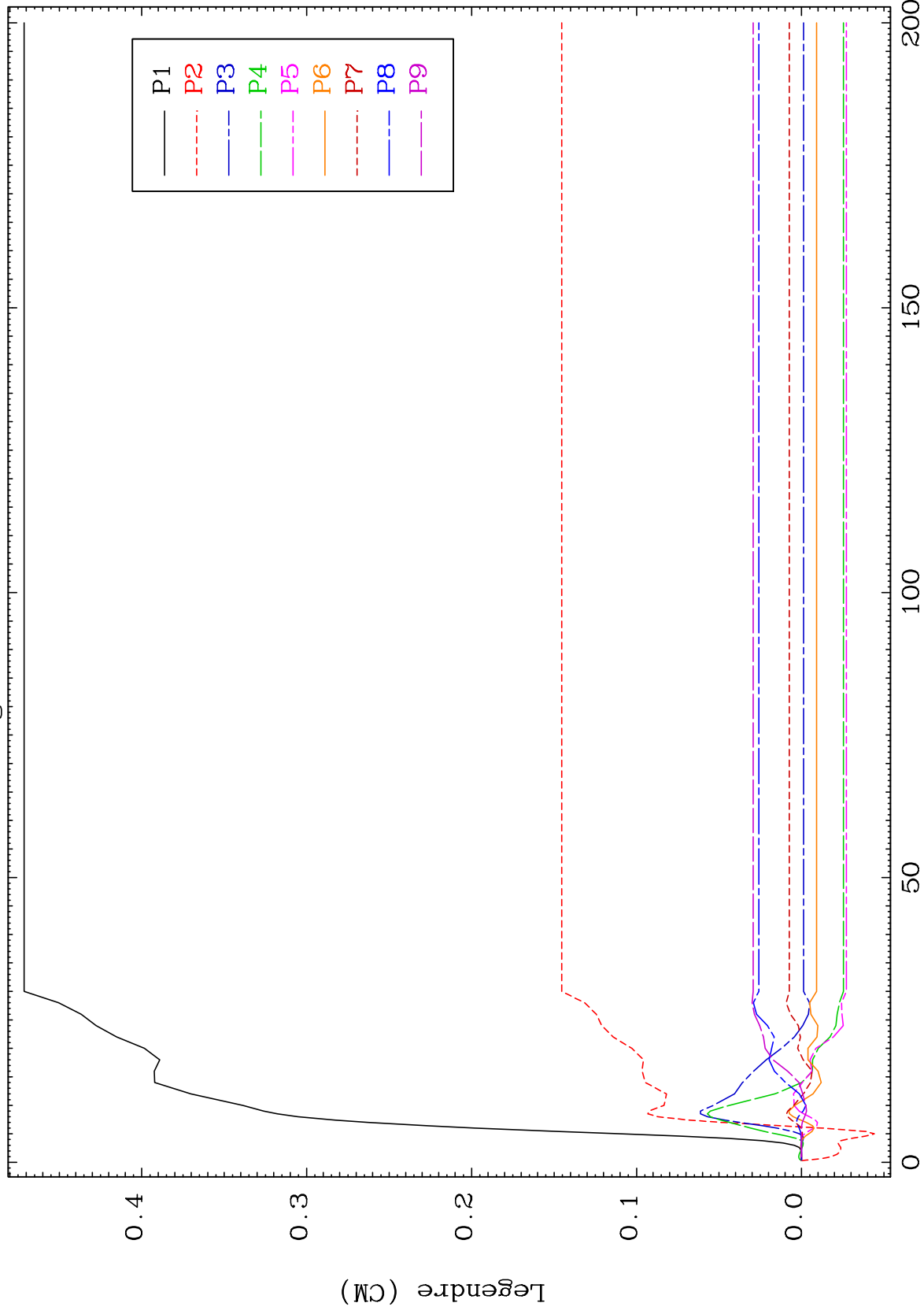




MAT 7537

279.0 keV (n,n') Level  
Legendre Coefficients

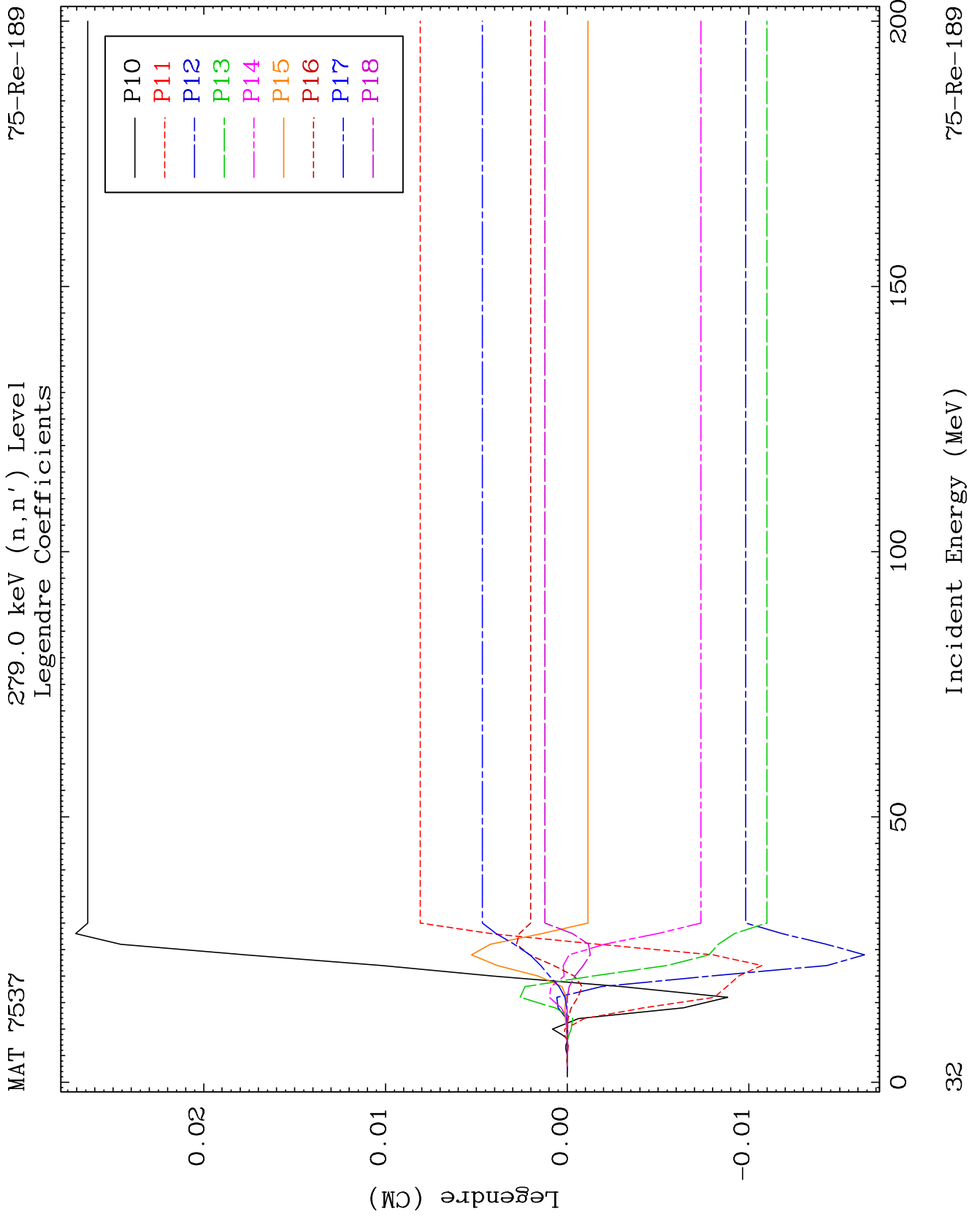
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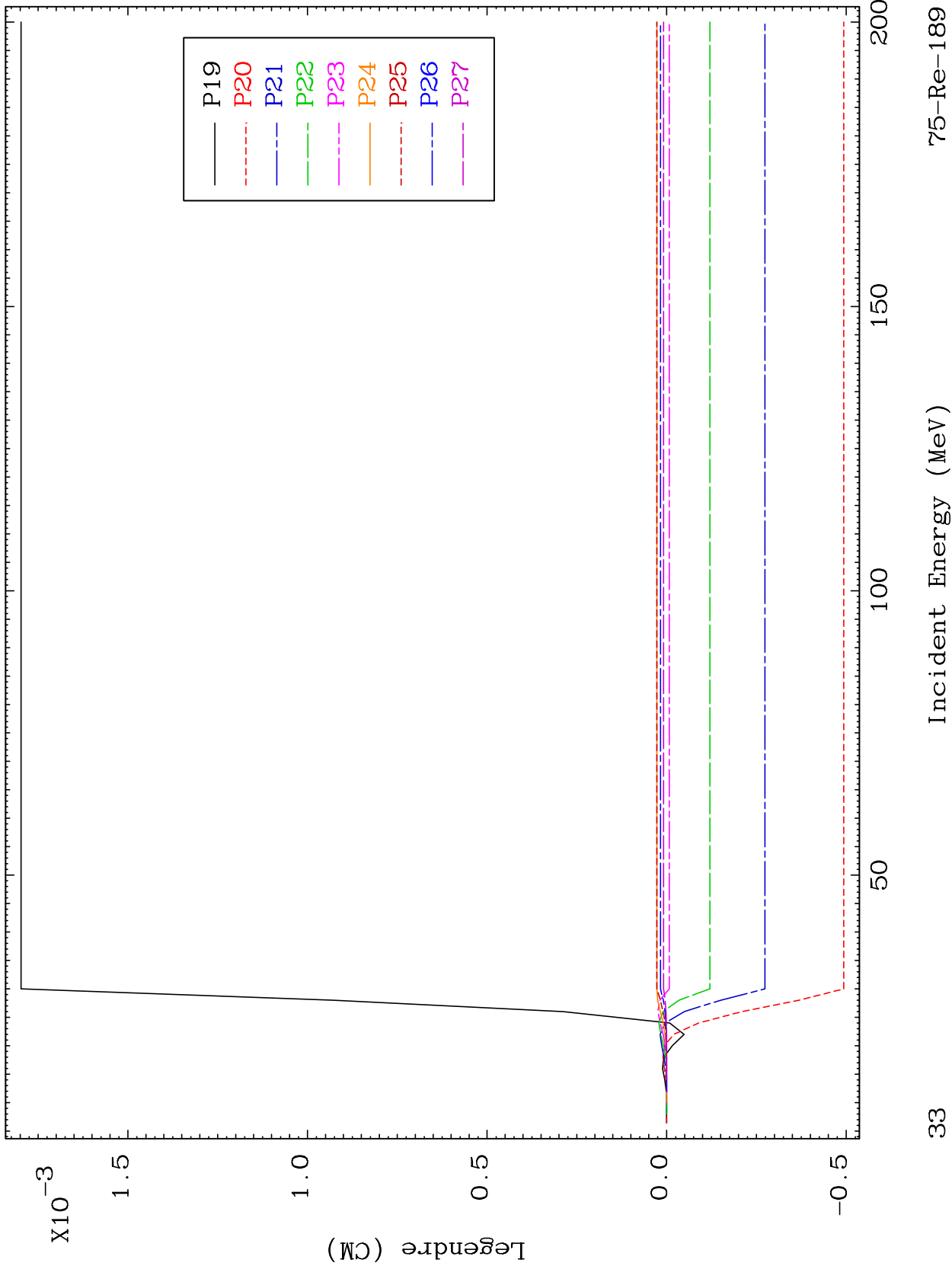


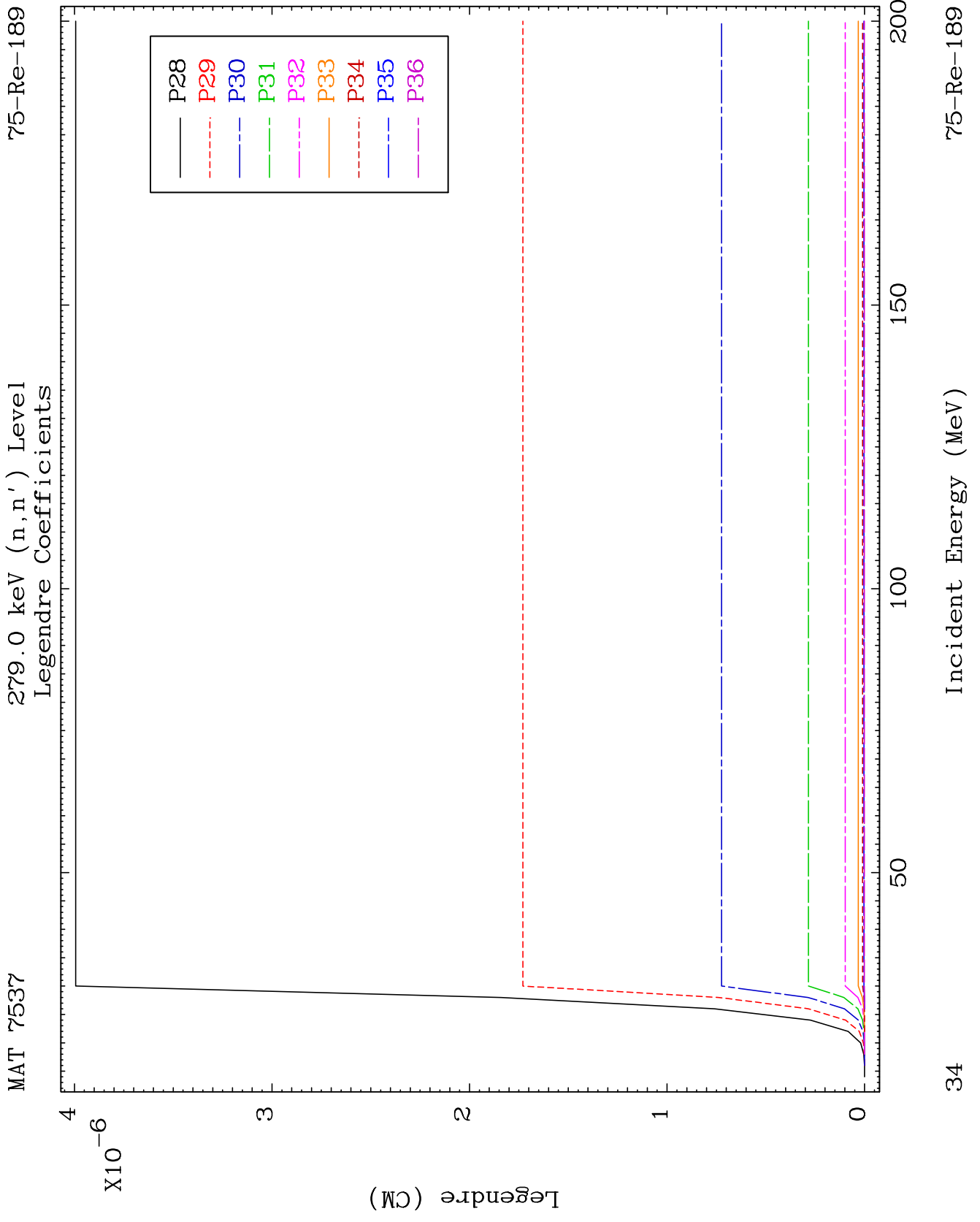
31

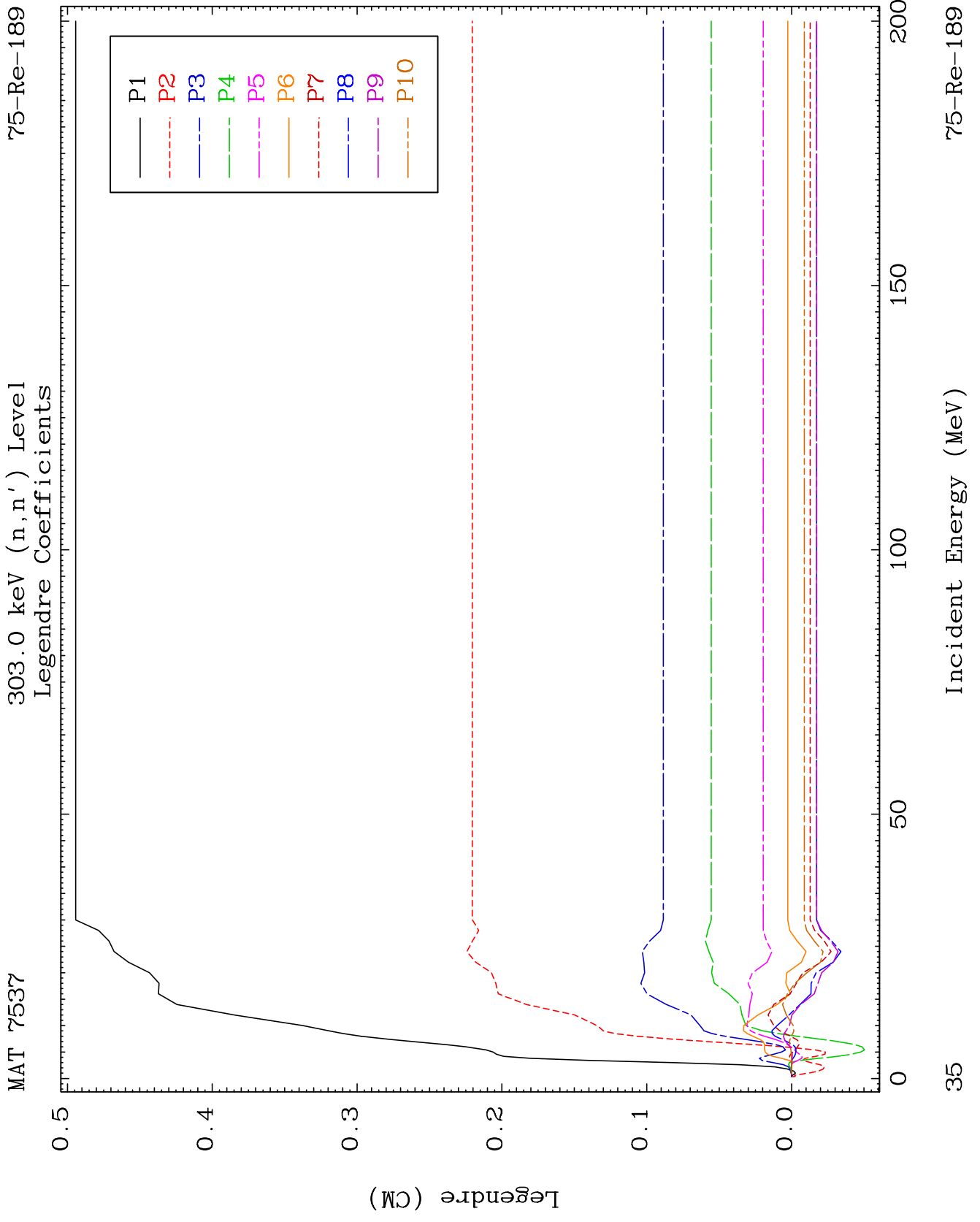
75-Re-189







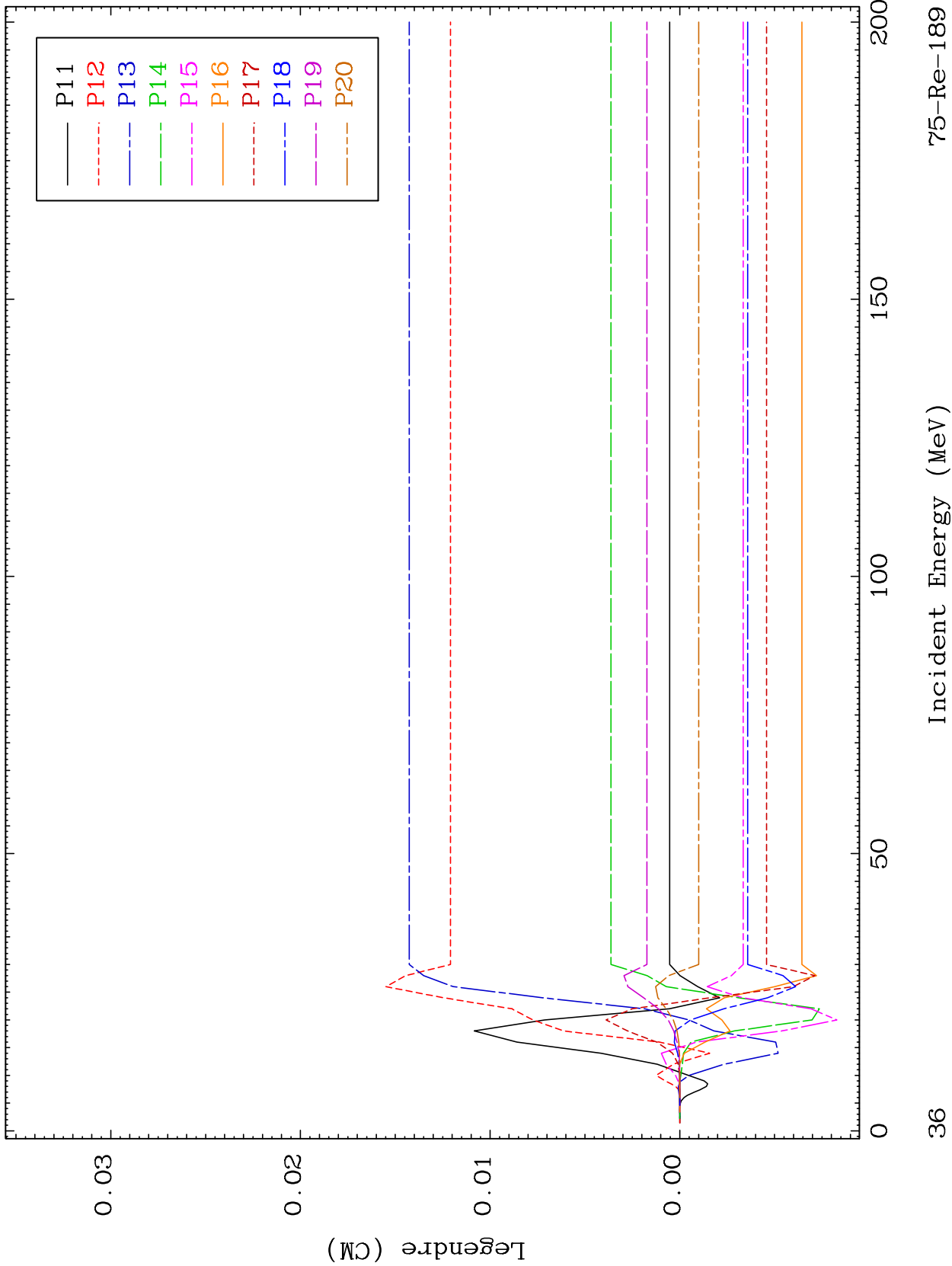




MAT 7537

303.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



75-Re-189

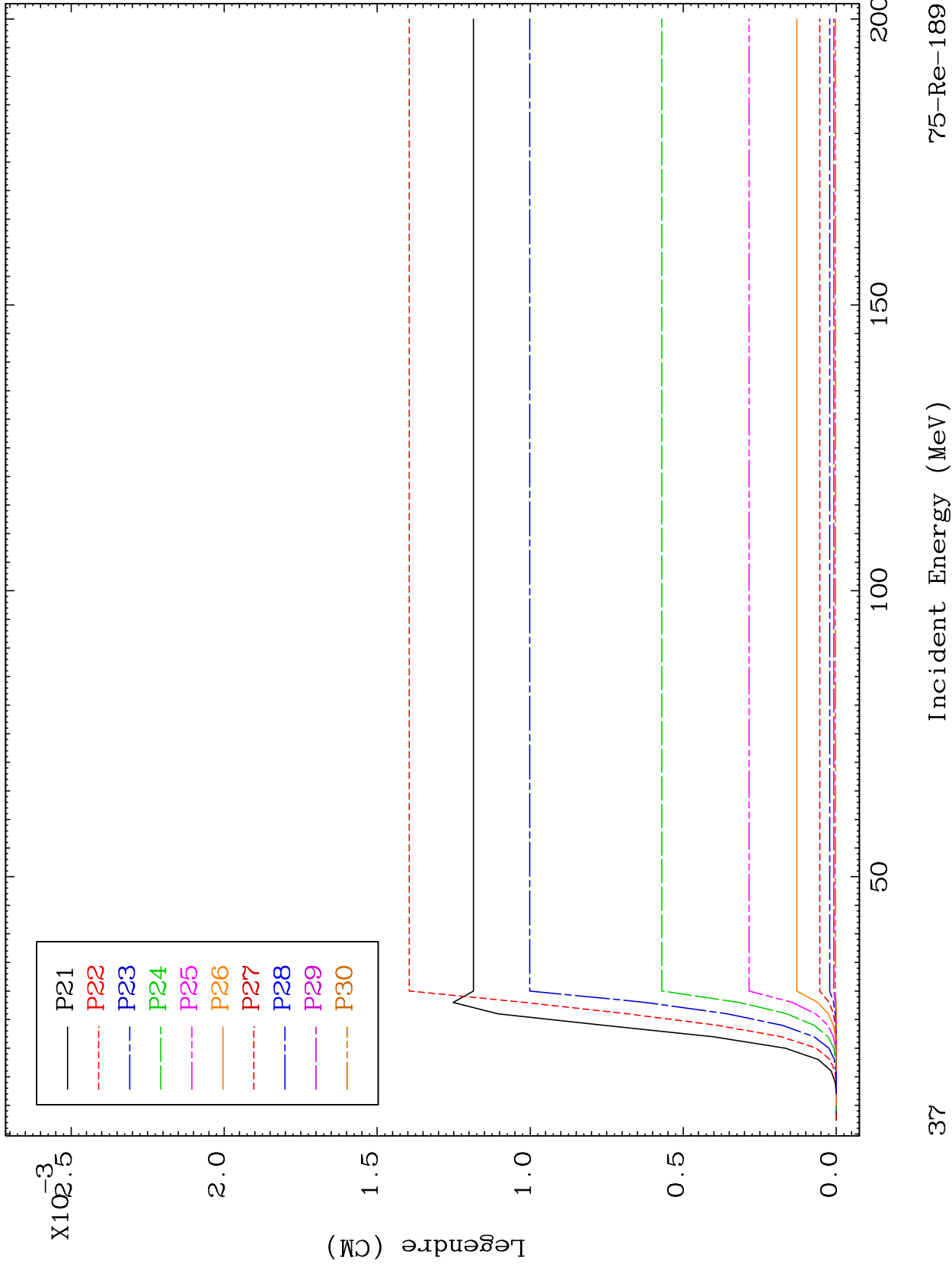
Incident Energy (MeV)

36

MAT 7537

303.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



37

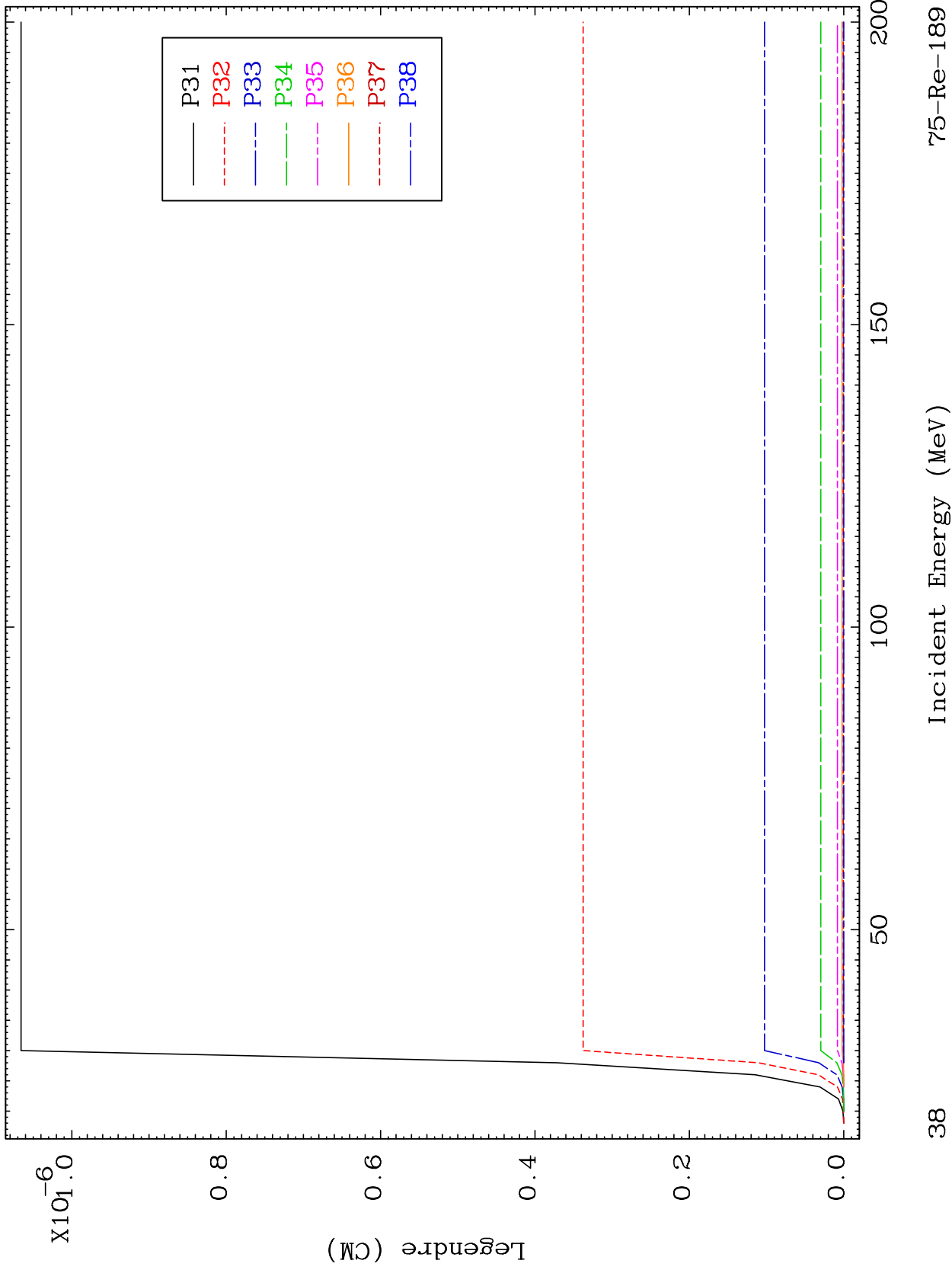
Incident Energy (MeV)

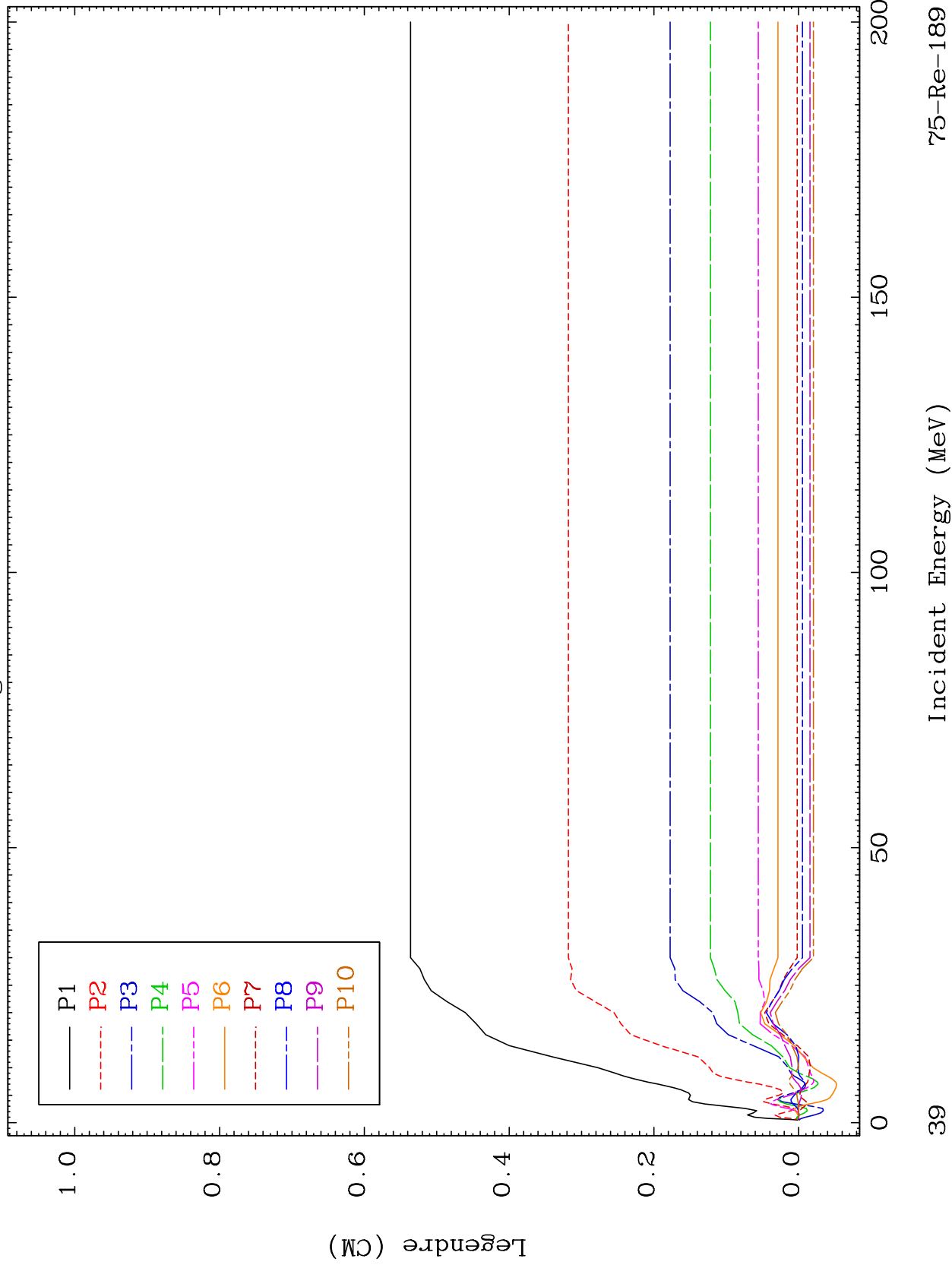
75-Re-189

MAT 7537

303.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



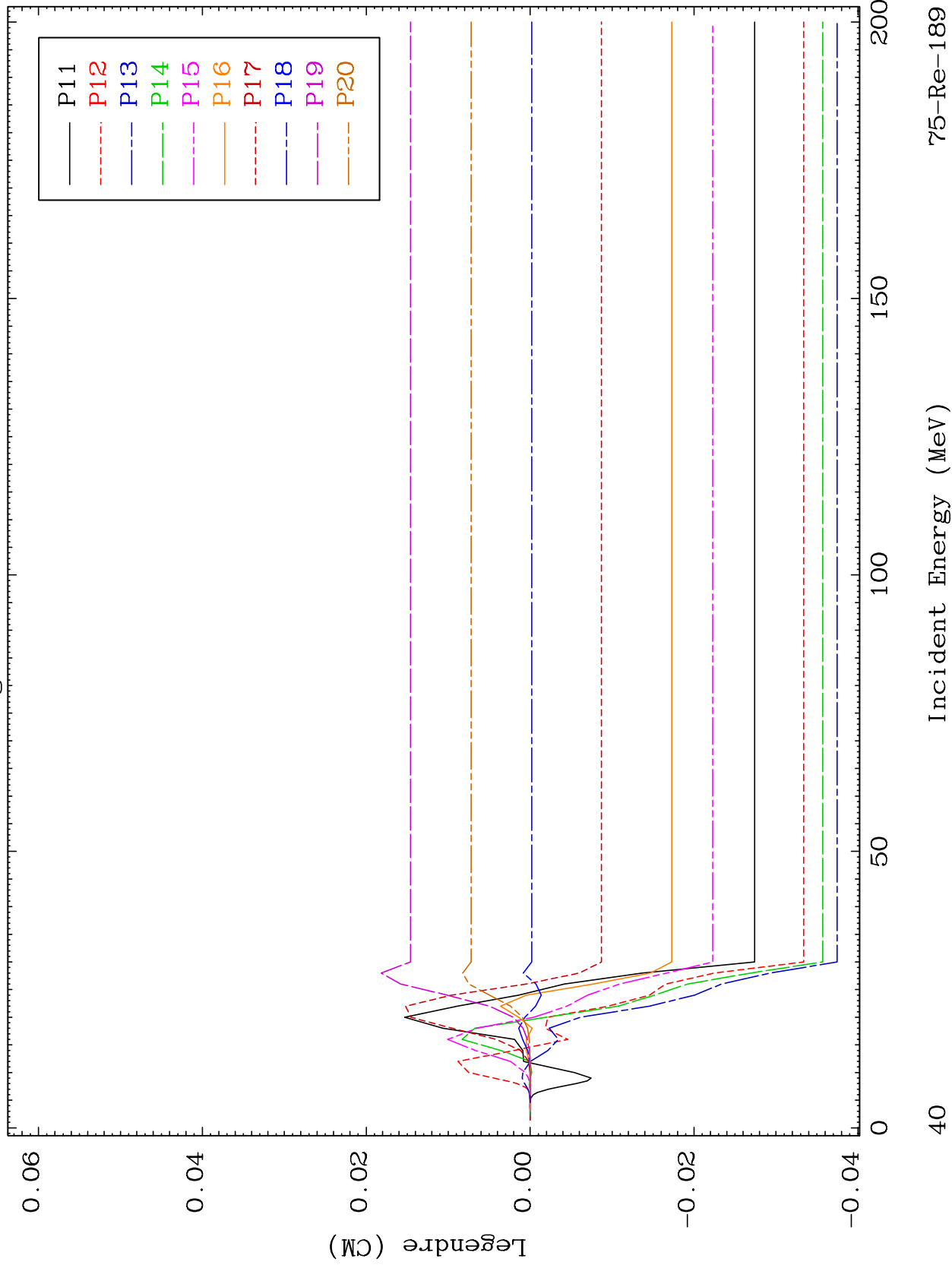




MAT 7537

482.4 keV (n,n') Level  
Legendre Coefficients

75-Re-189



75-Re-189

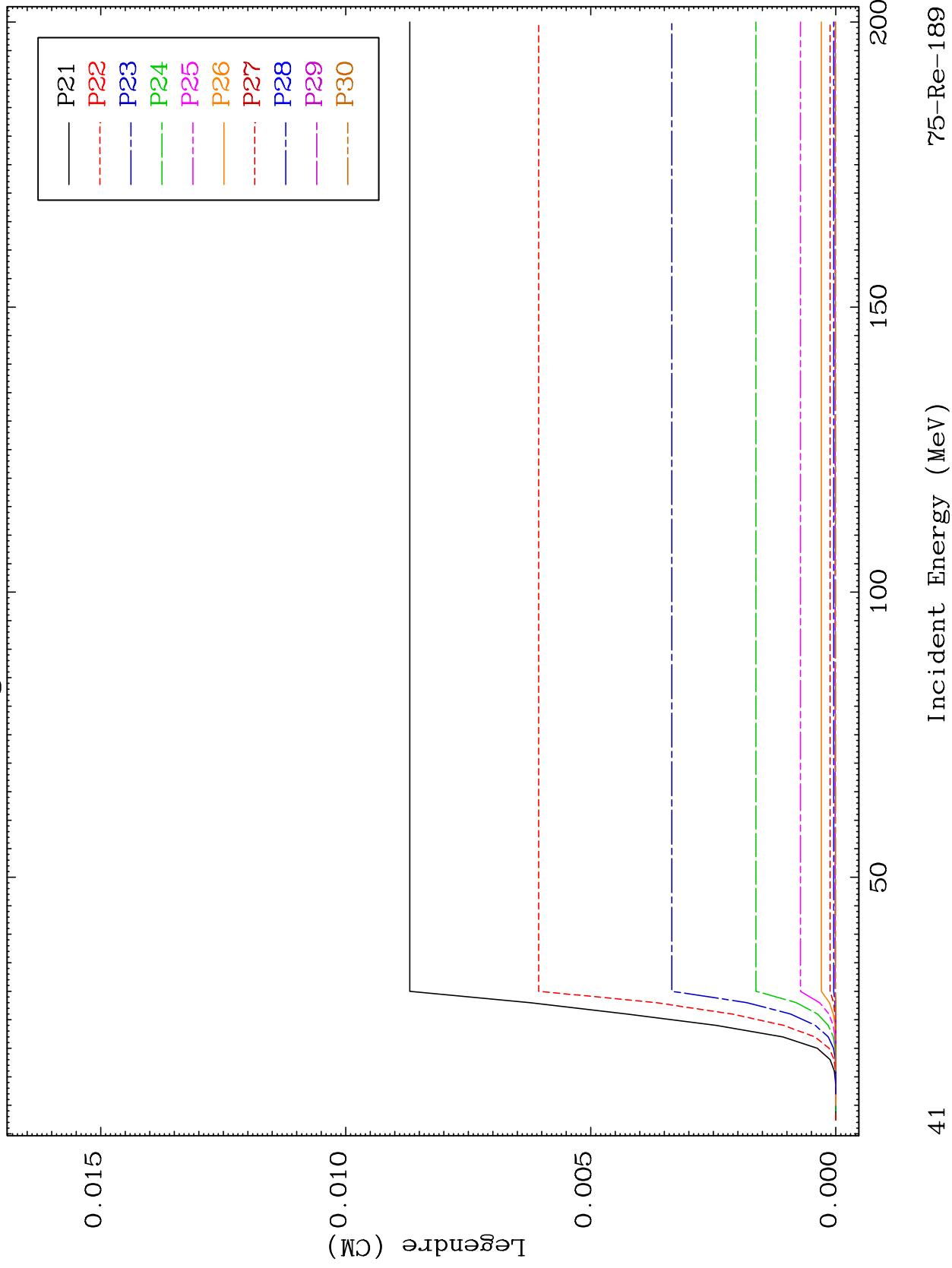
Incident Energy (MeV)

40

MAT 7537

482.4 keV (n,n') Level  
Legendre Coefficients

75-Re-189



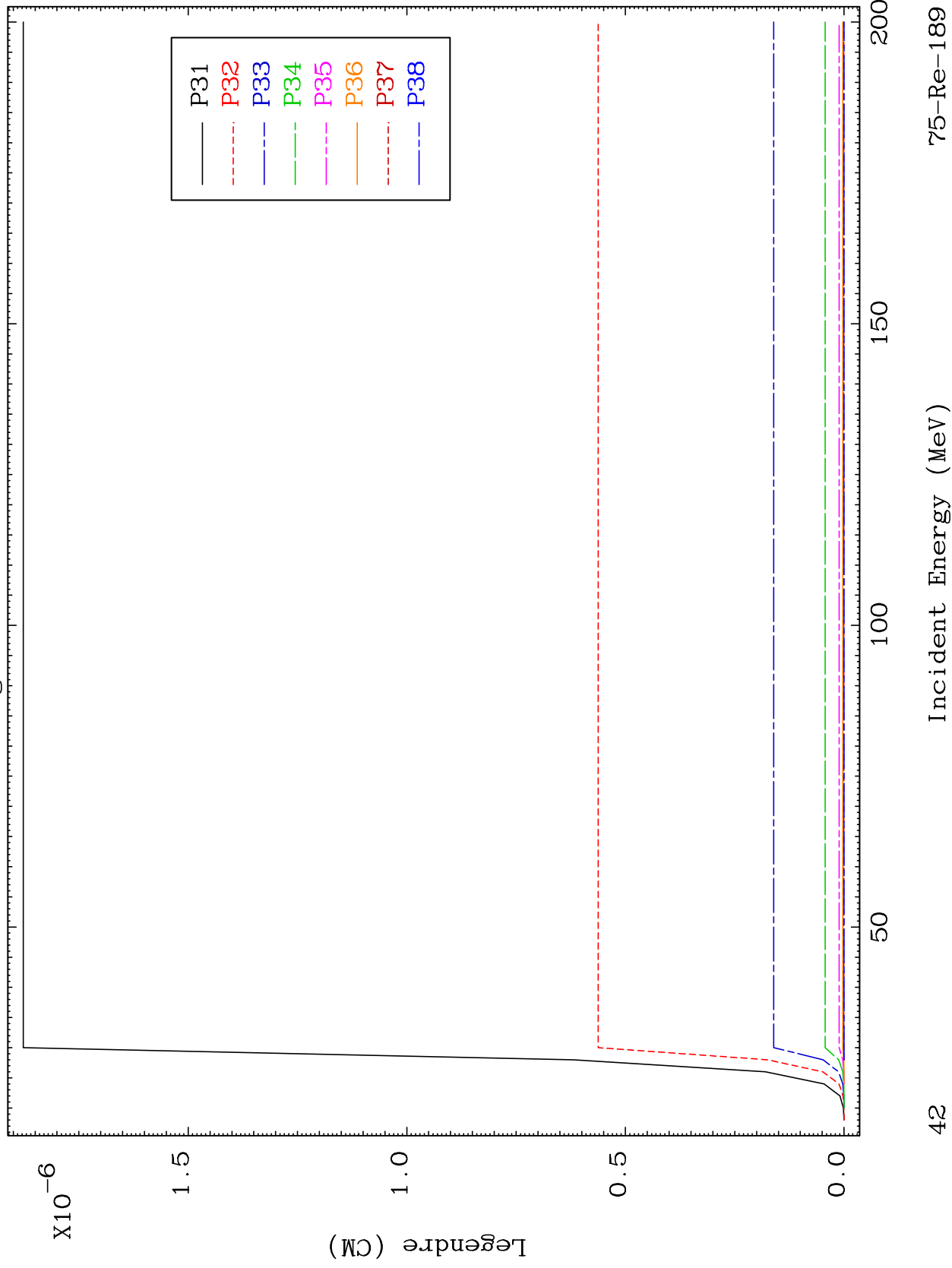
41

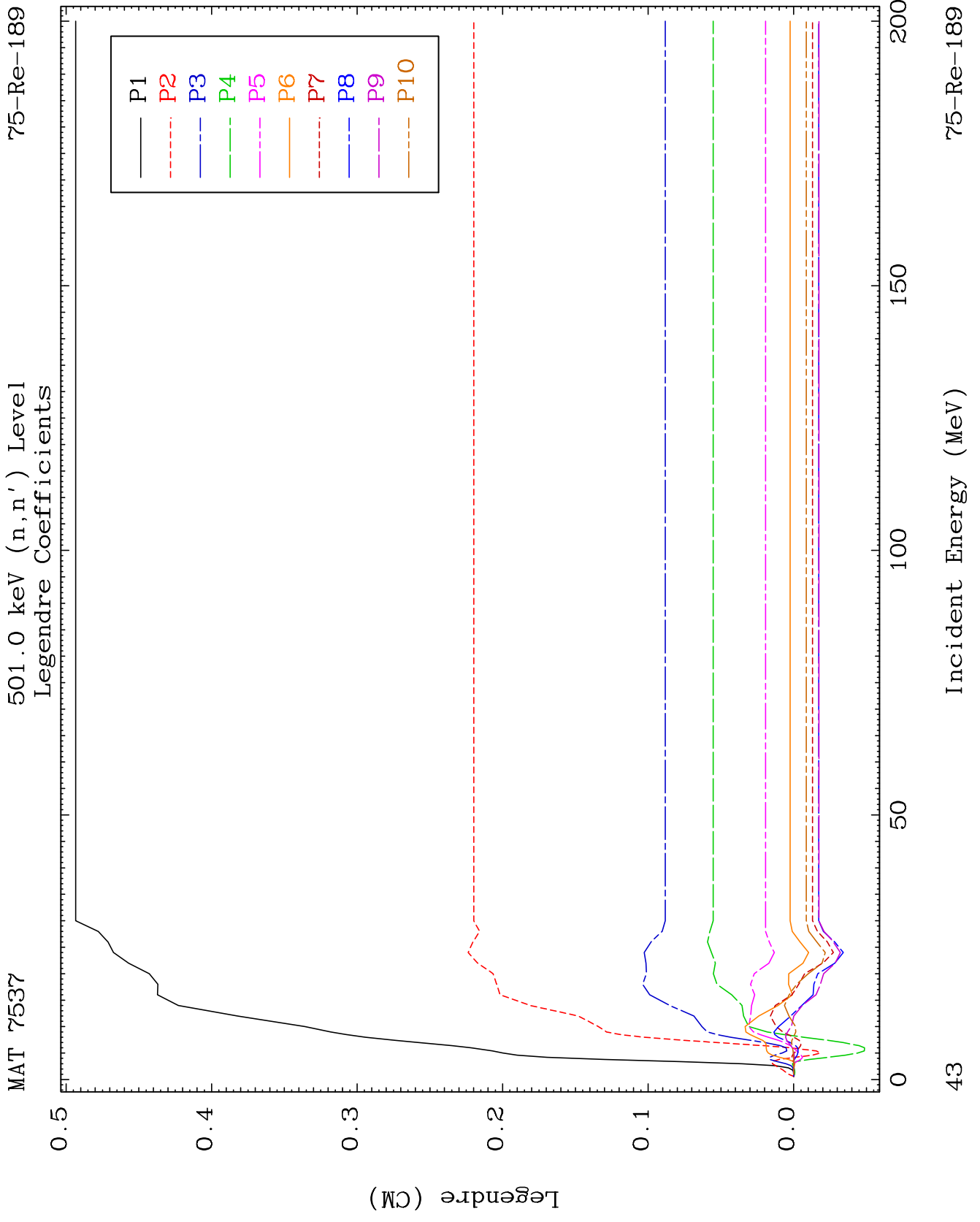
75-Re-189

MAT 7537

482.4 keV (n,n') Level  
Legendre Coefficients

75-Re-189

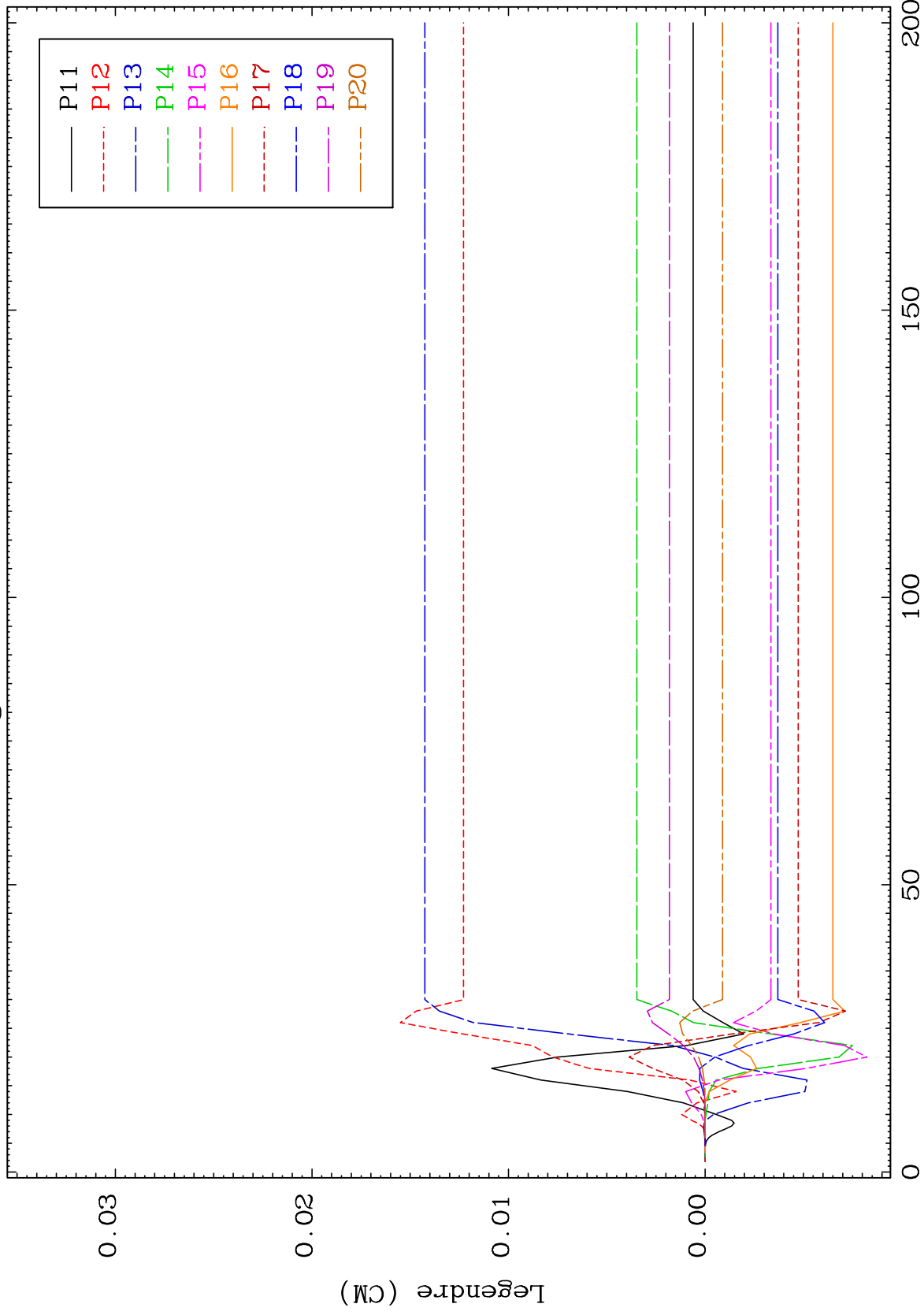




MAT 7537

501.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



44

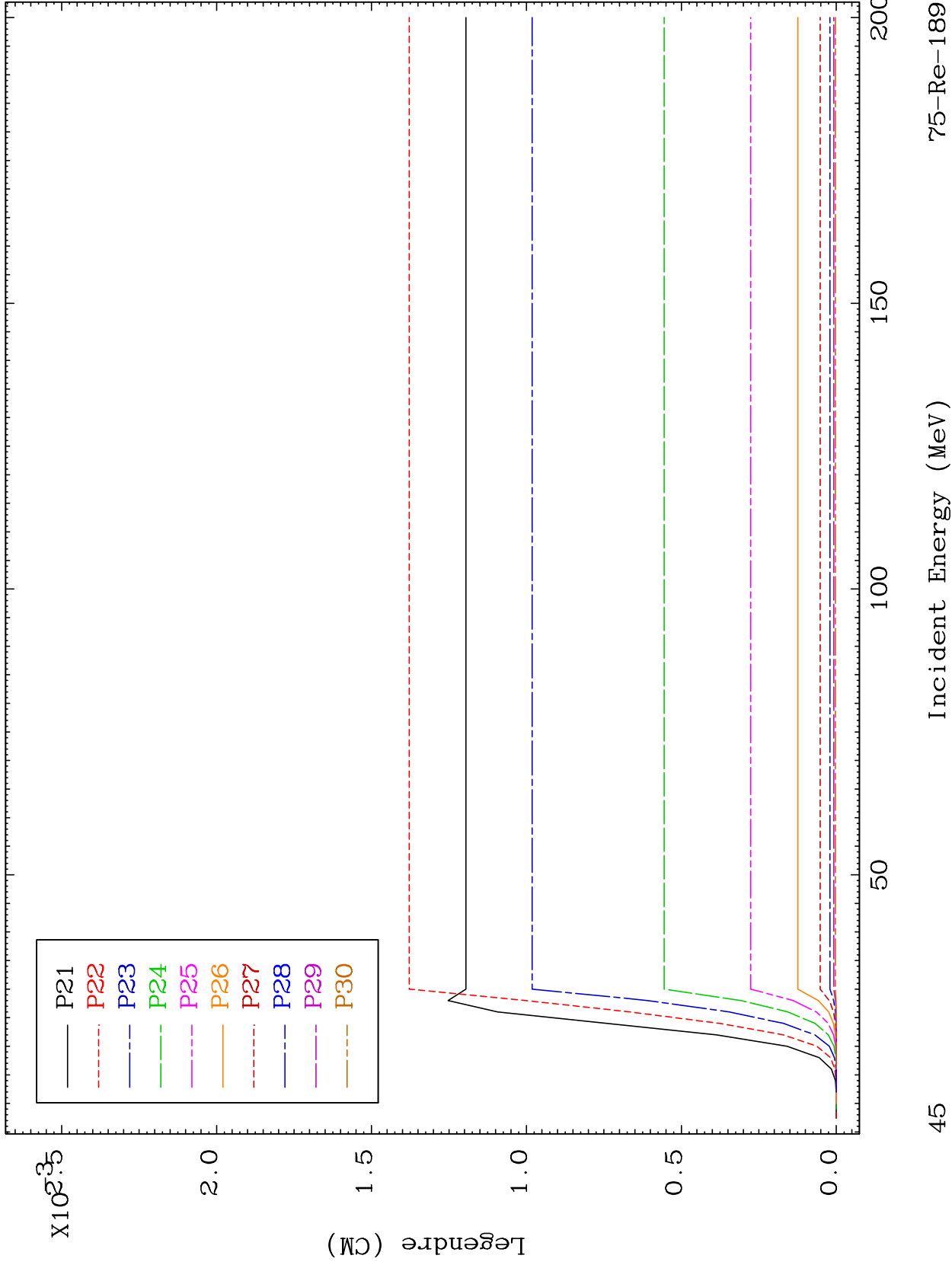
Incident Energy (MeV)

75-Re-189

MAT 7537

501.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



45

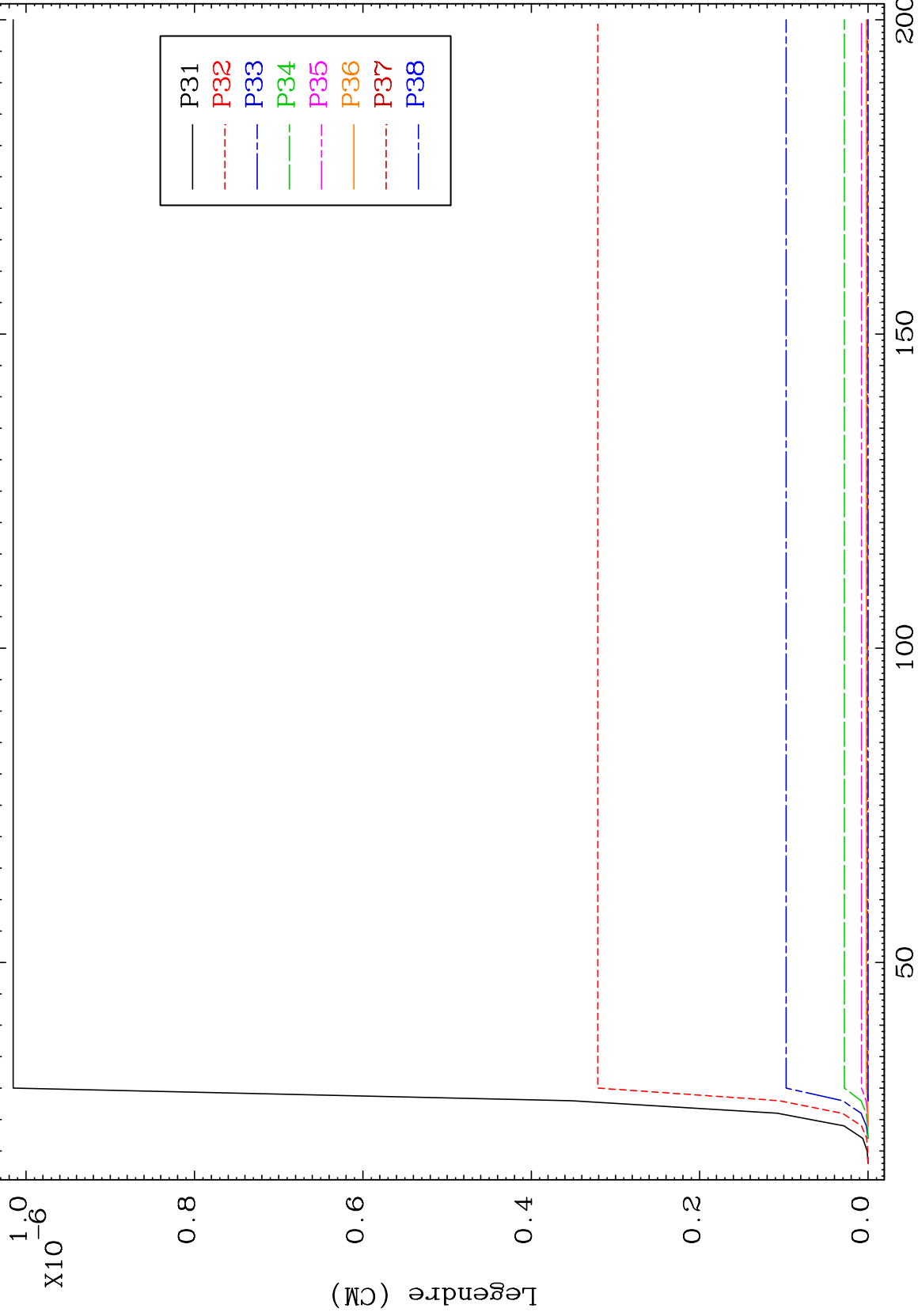
Incident Energy (MeV)

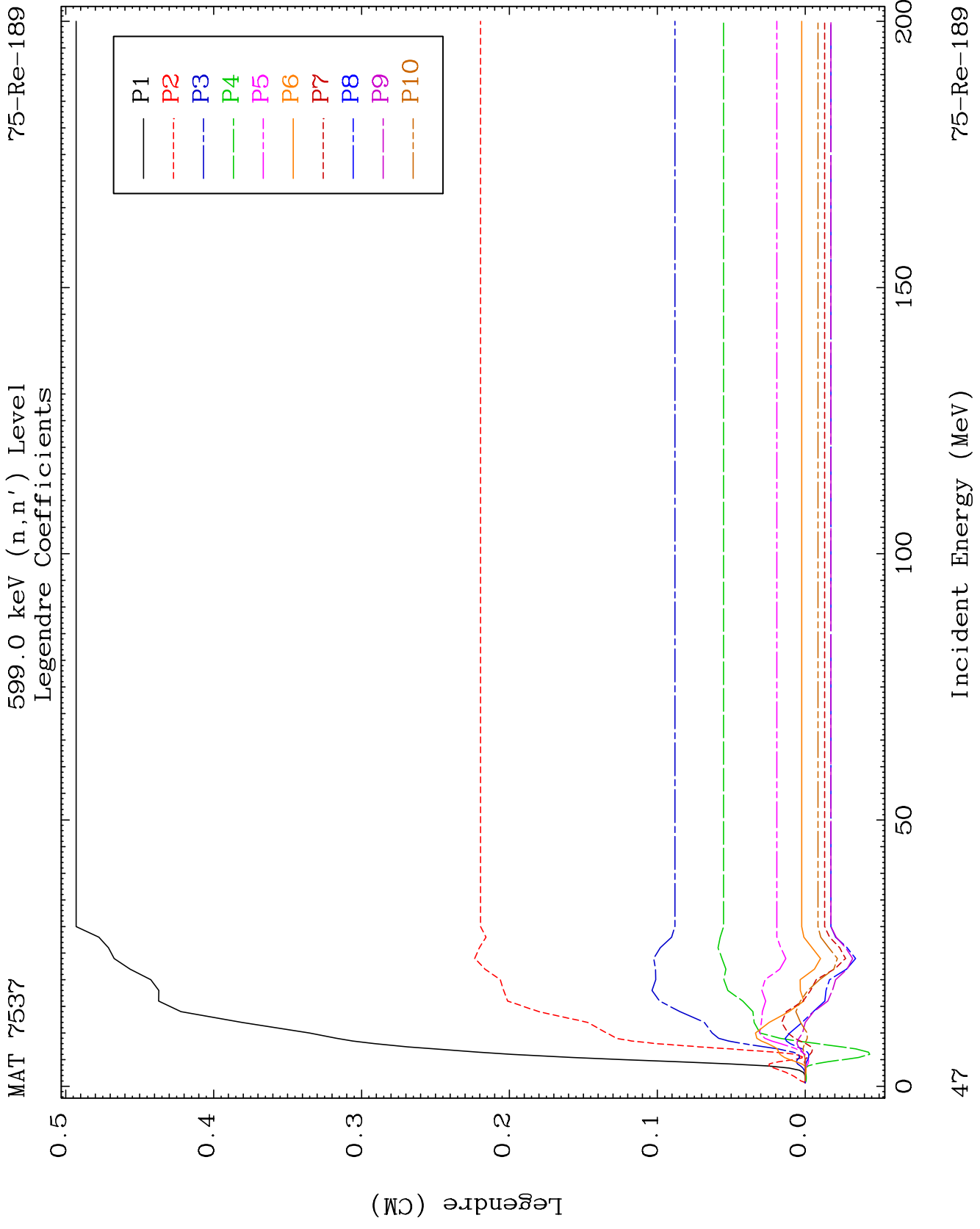
75-Re-189

MAT 7537

501.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



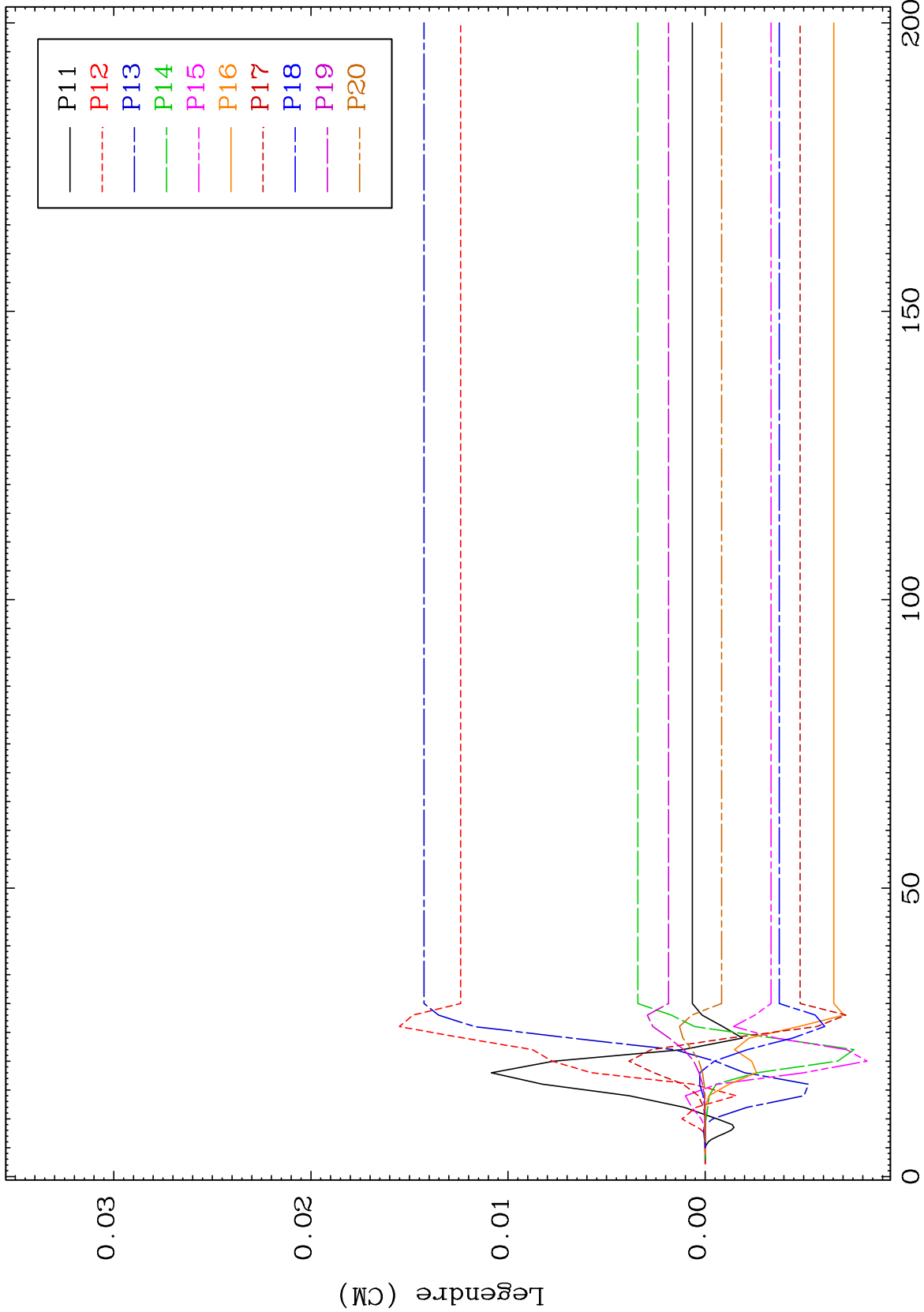




MAT 7537

599.0 keV (n,n') Level  
Legendre Coefficients

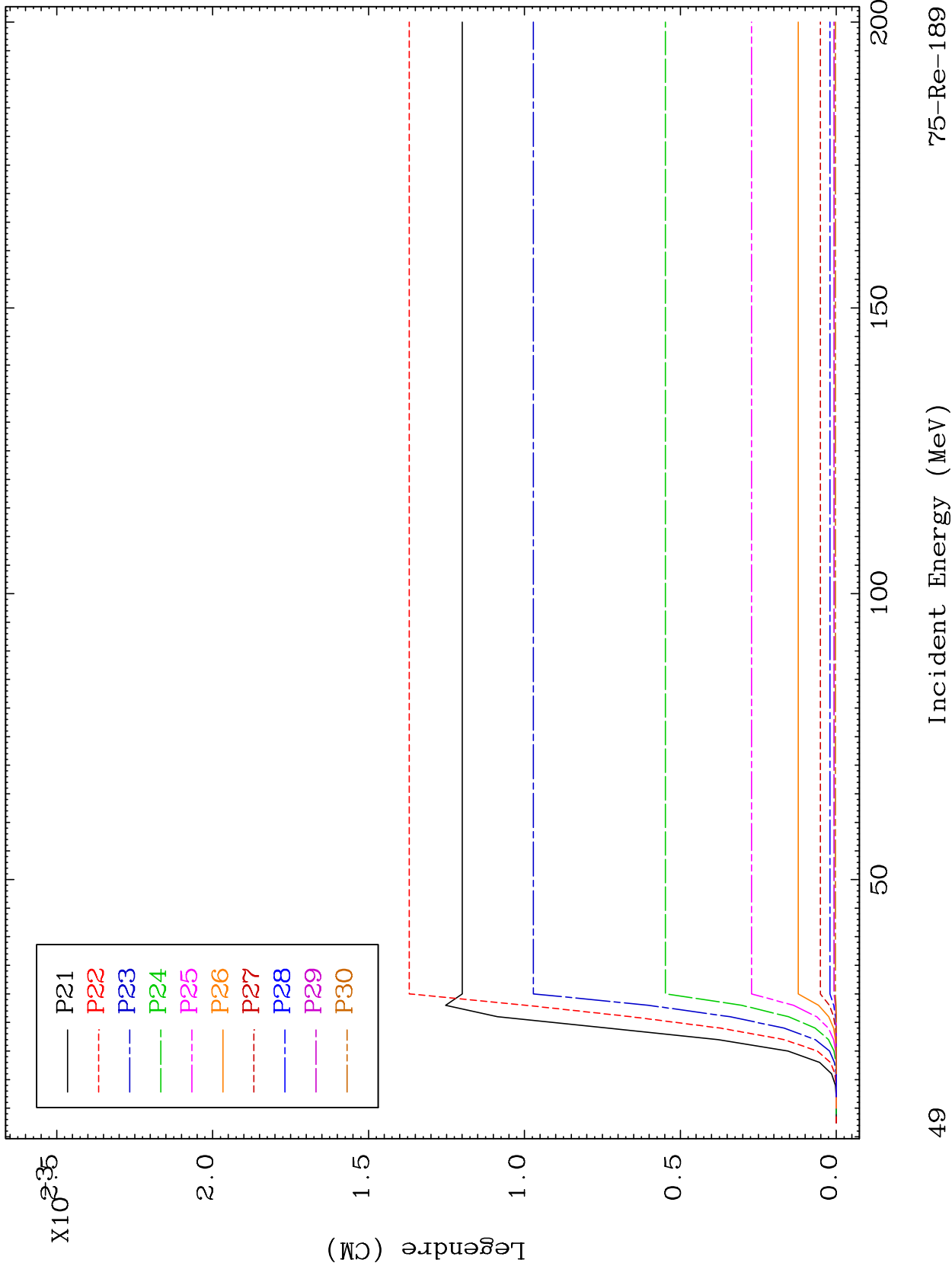
75-Re-189

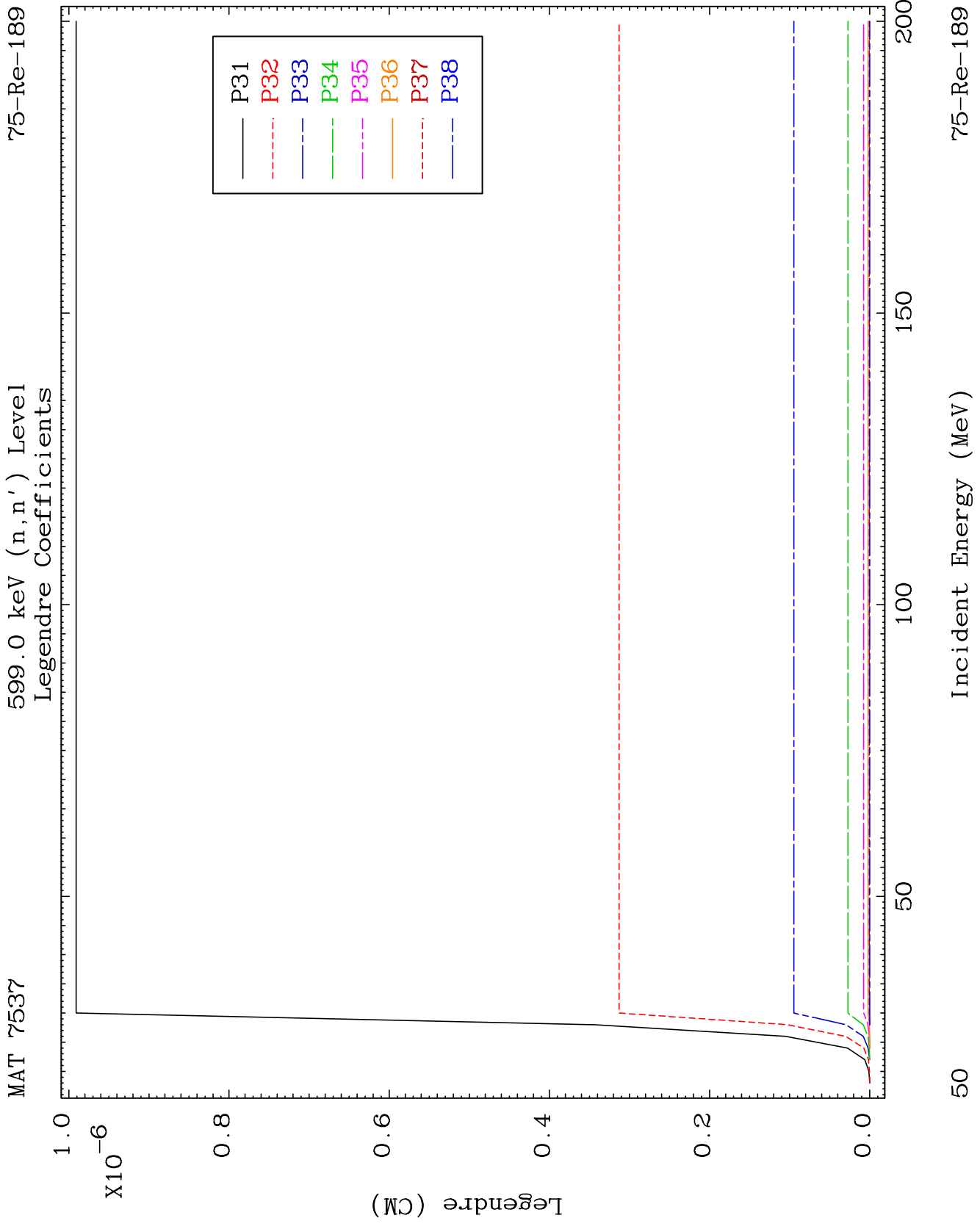


48

Incident Energy (MeV)

75-Re-189

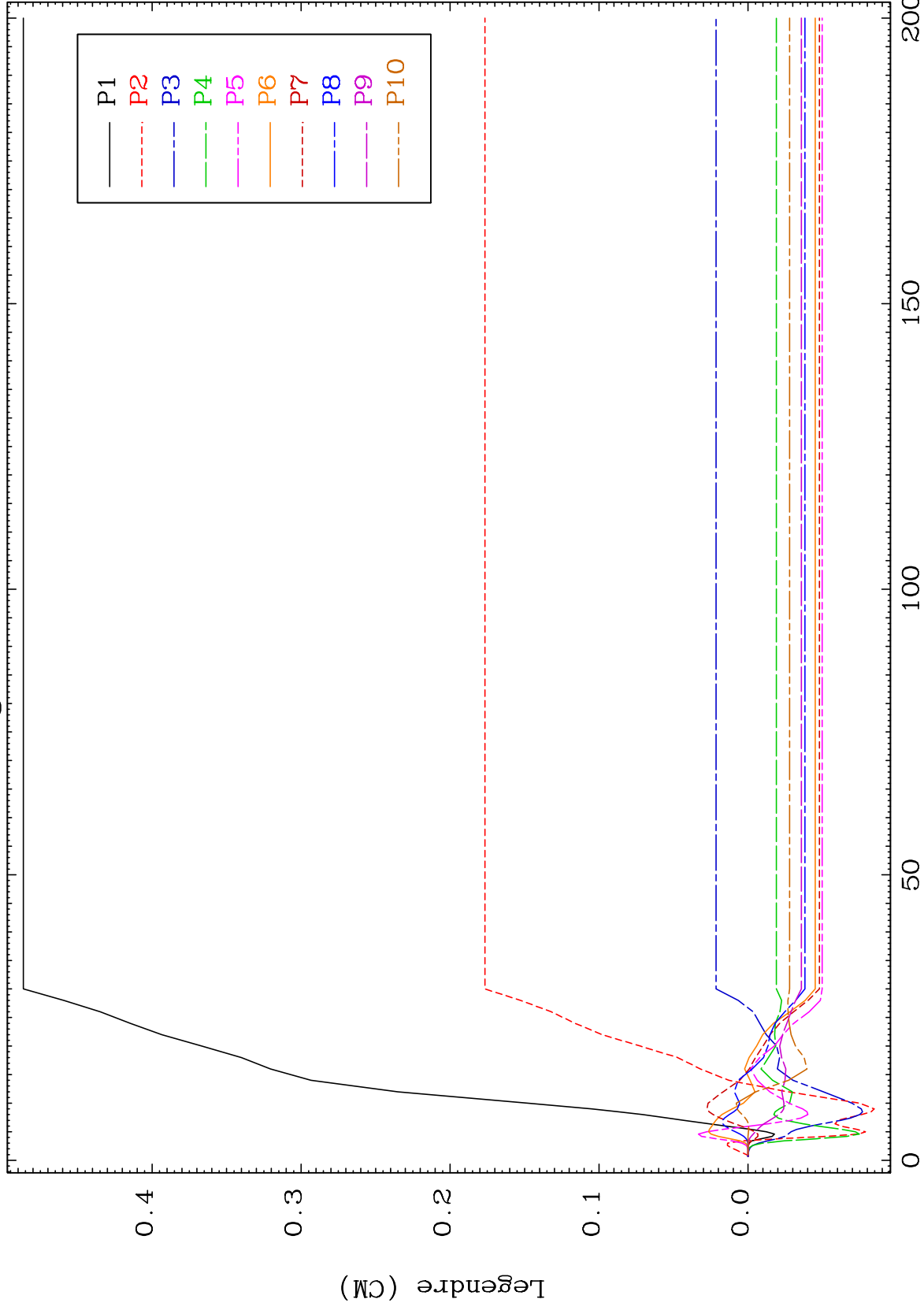




MAT 7537

640.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



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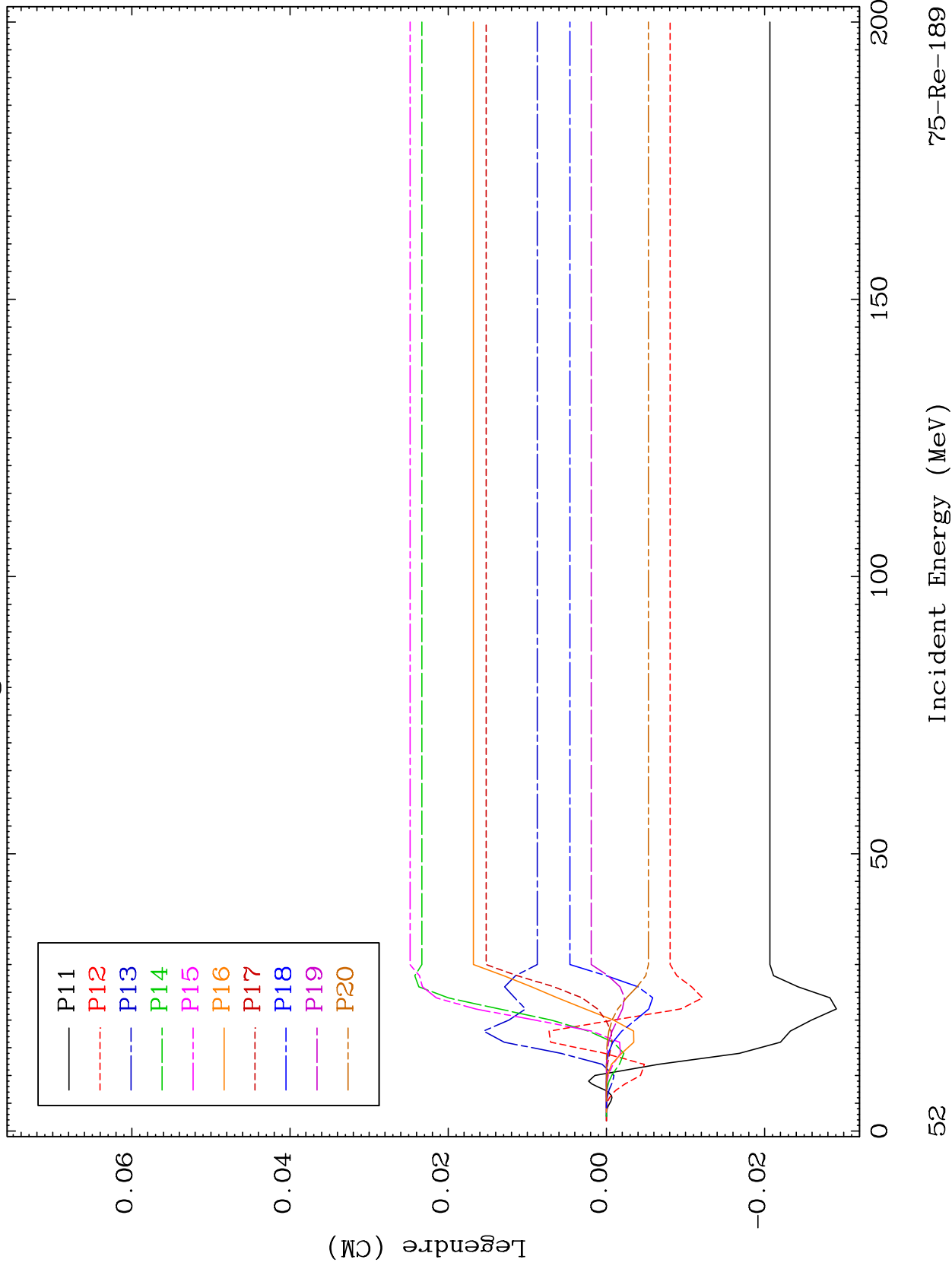
Incident Energy (MeV)

75-Re-189

MAT 7537

640.0 keV (n,n') Level  
Legendre Coefficients

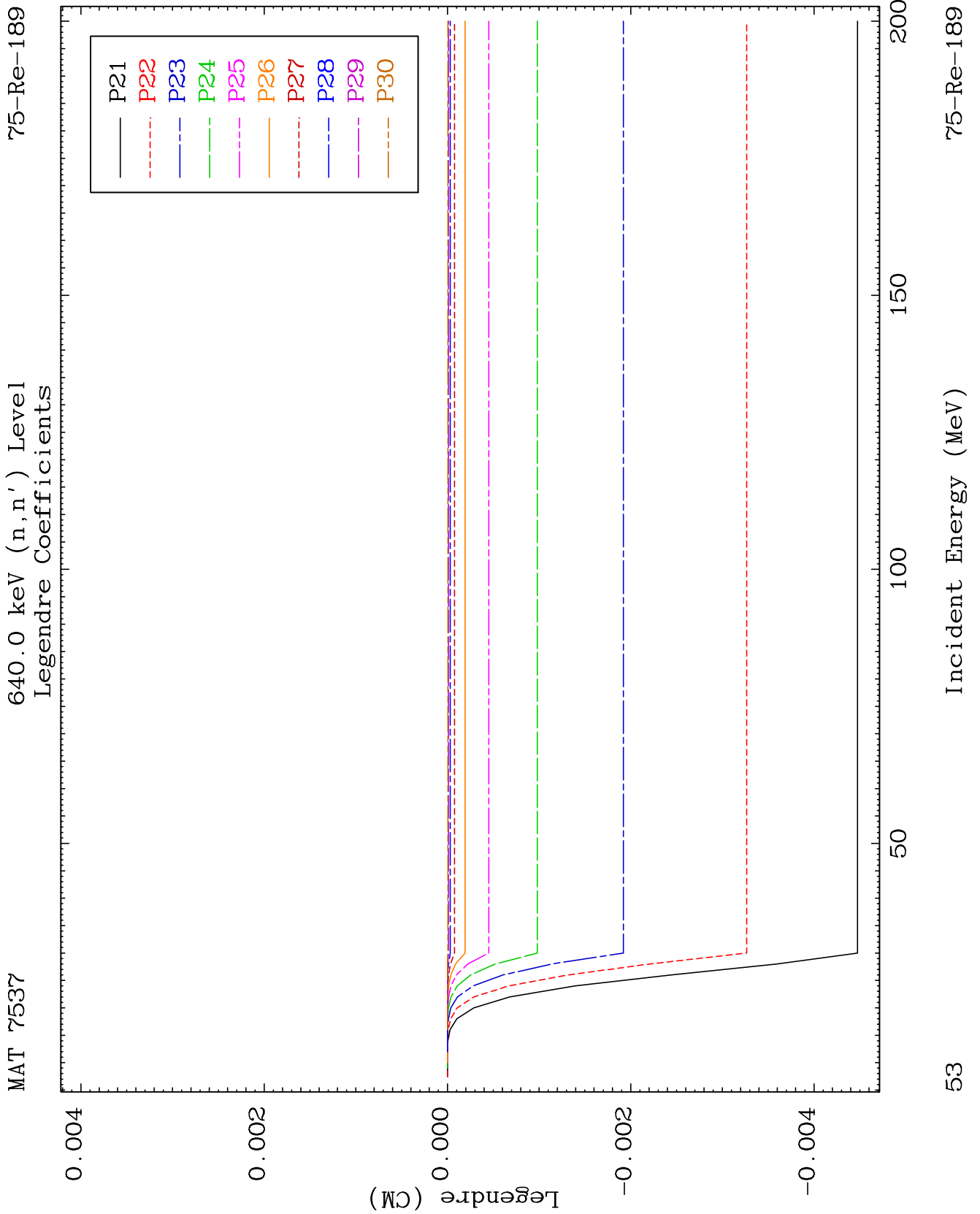
75-Re-189

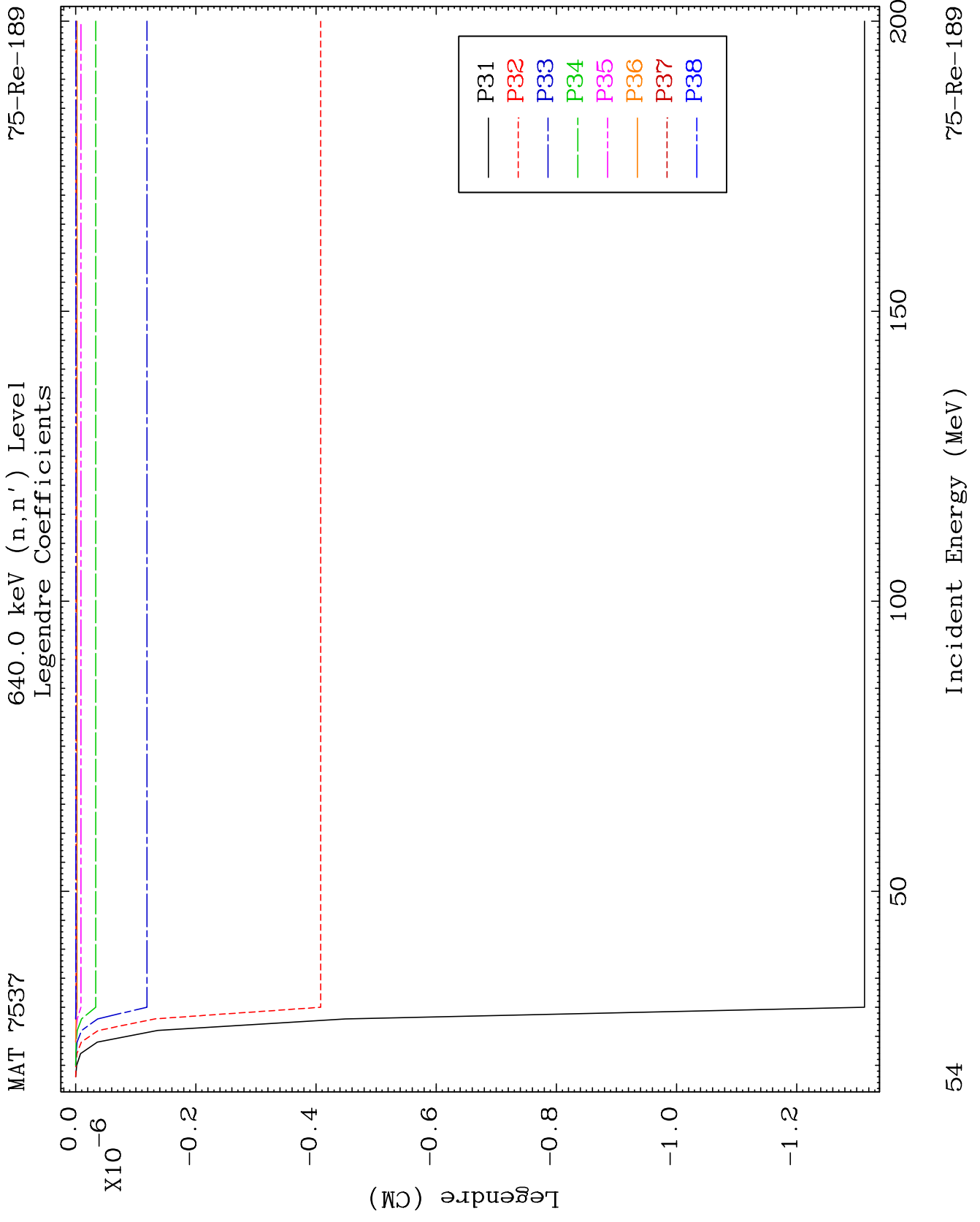


75-Re-189

Incident Energy (MeV)

52

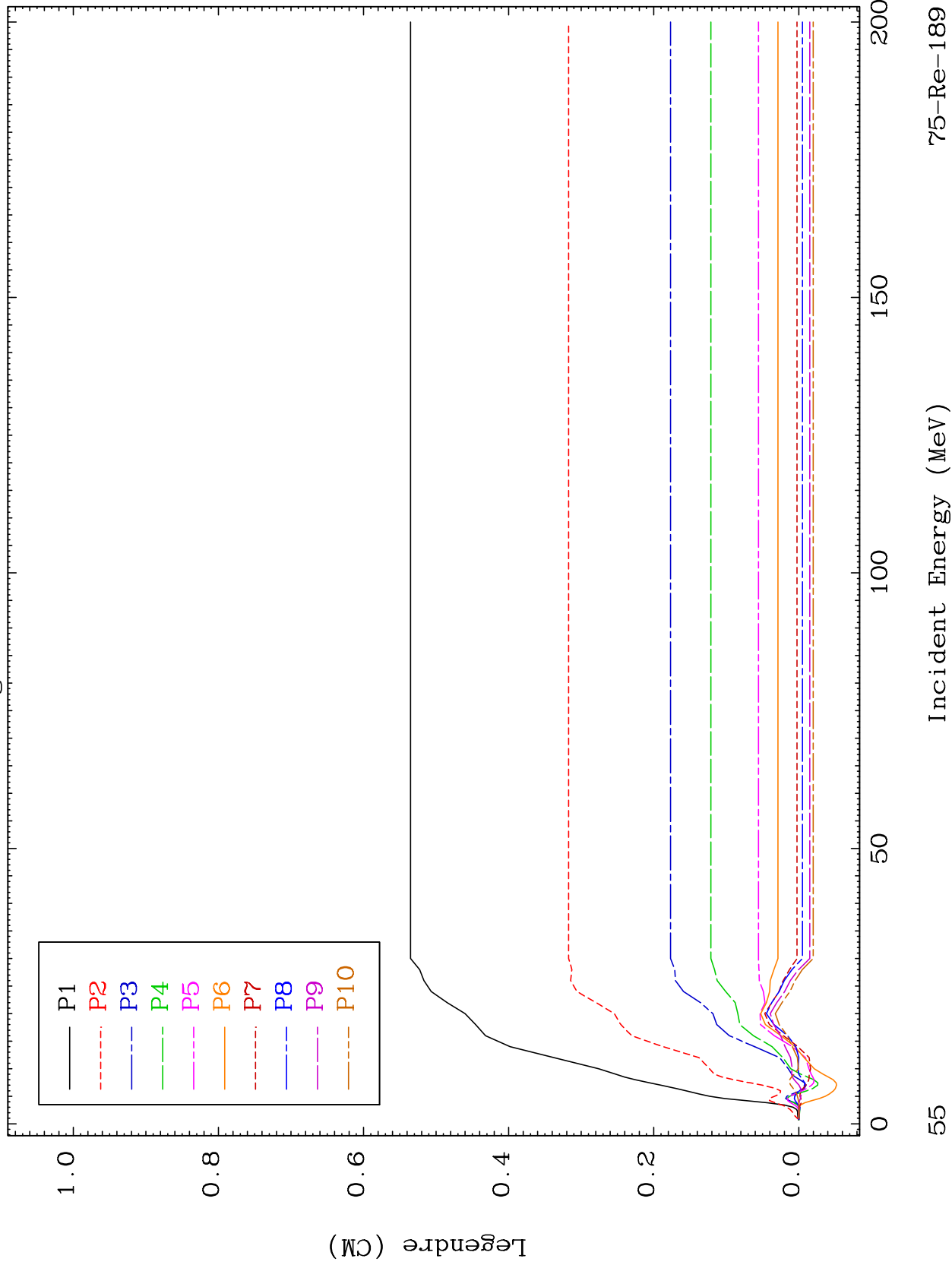




MAT 7537

670.0 keV (n, n') Level  
Legendre Coefficients

75-Re-189



75-Re-189

Incident Energy (MeV)

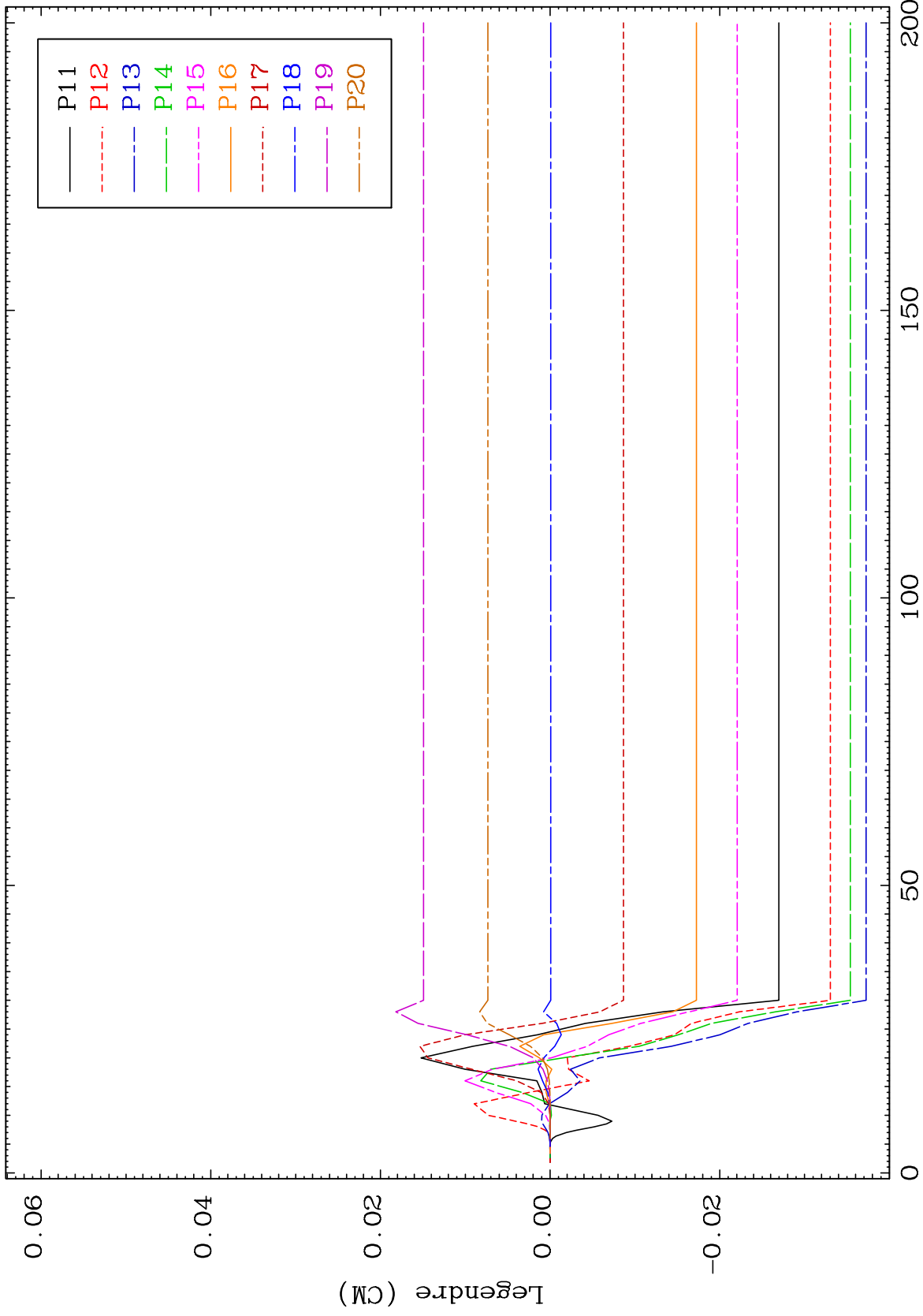
55



MAT 7537

670.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



56

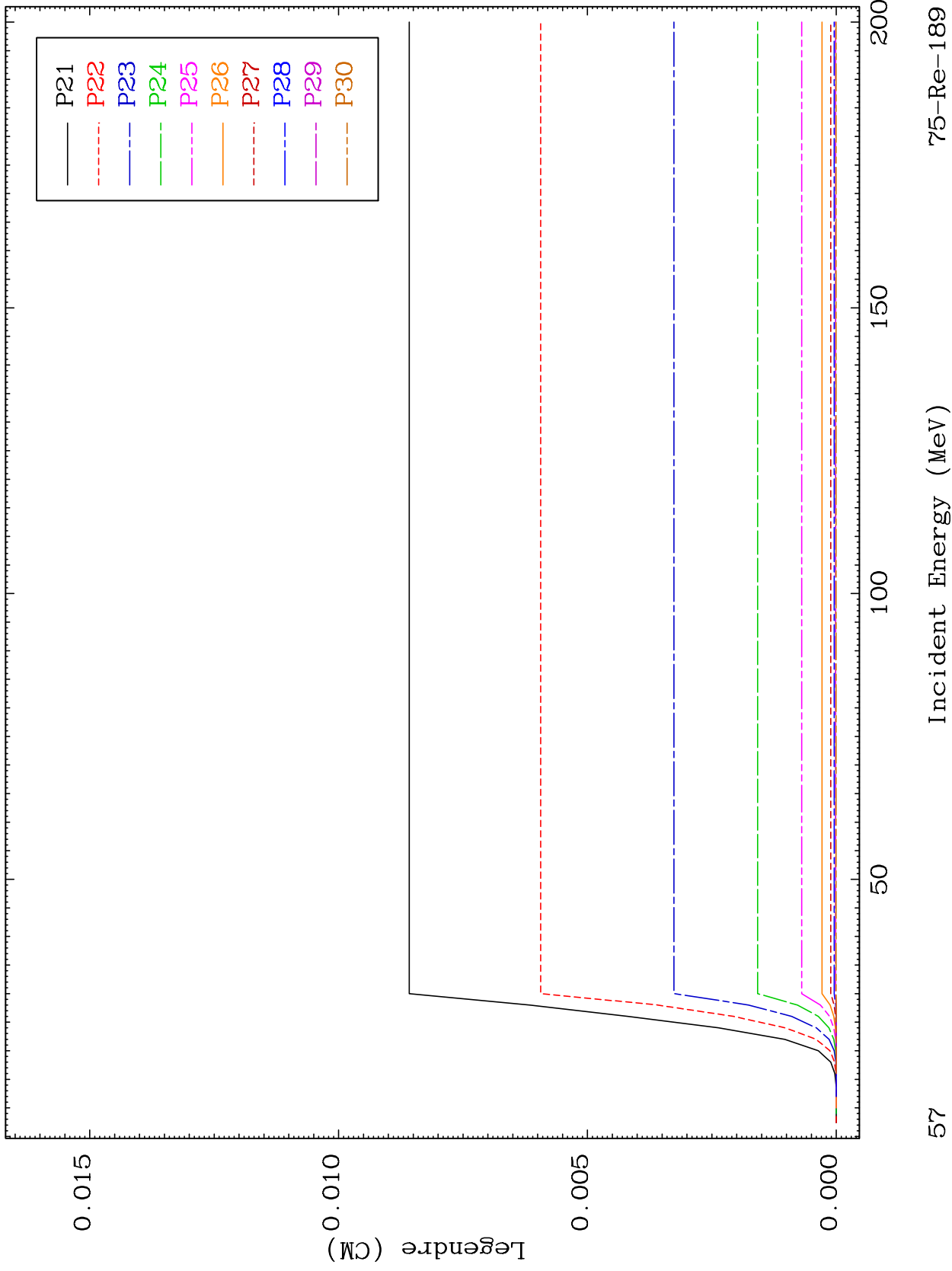
Incident Energy (MeV)

75-Re-189

MAT 7537

670.0 keV (n,n') Level  
Legendre Coefficients

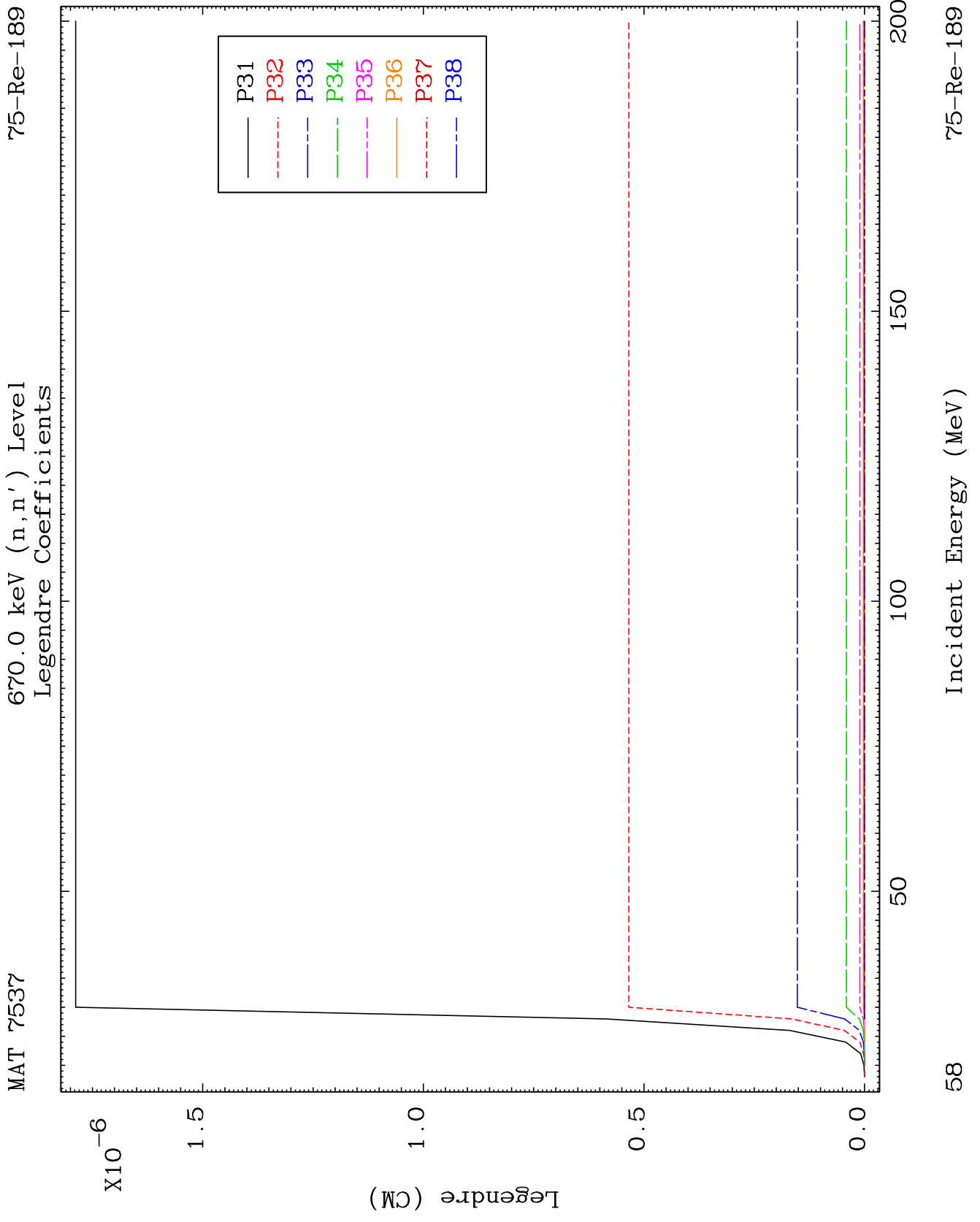
75-Re-189

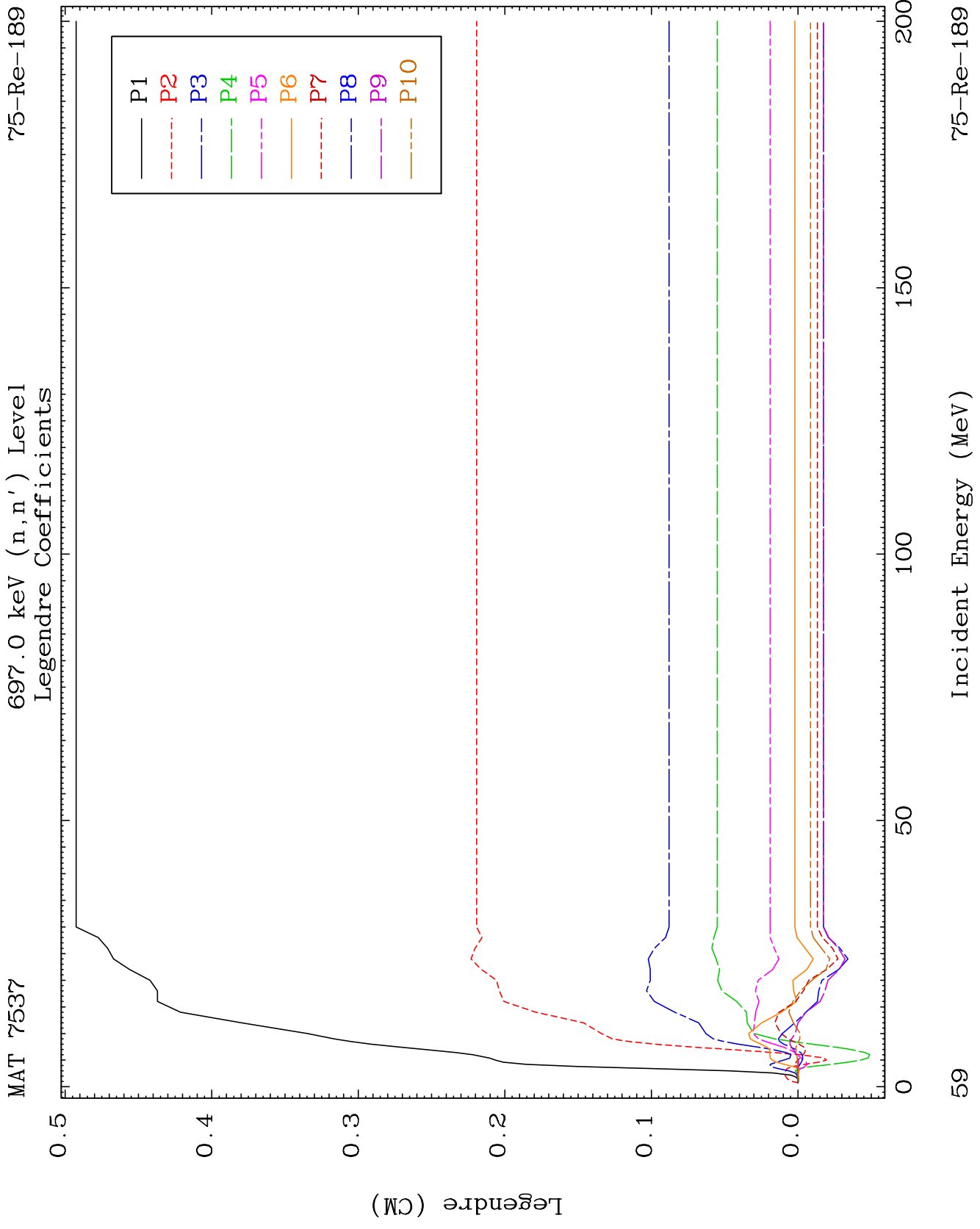


57

Incident Energy (MeV)

75-Re-189

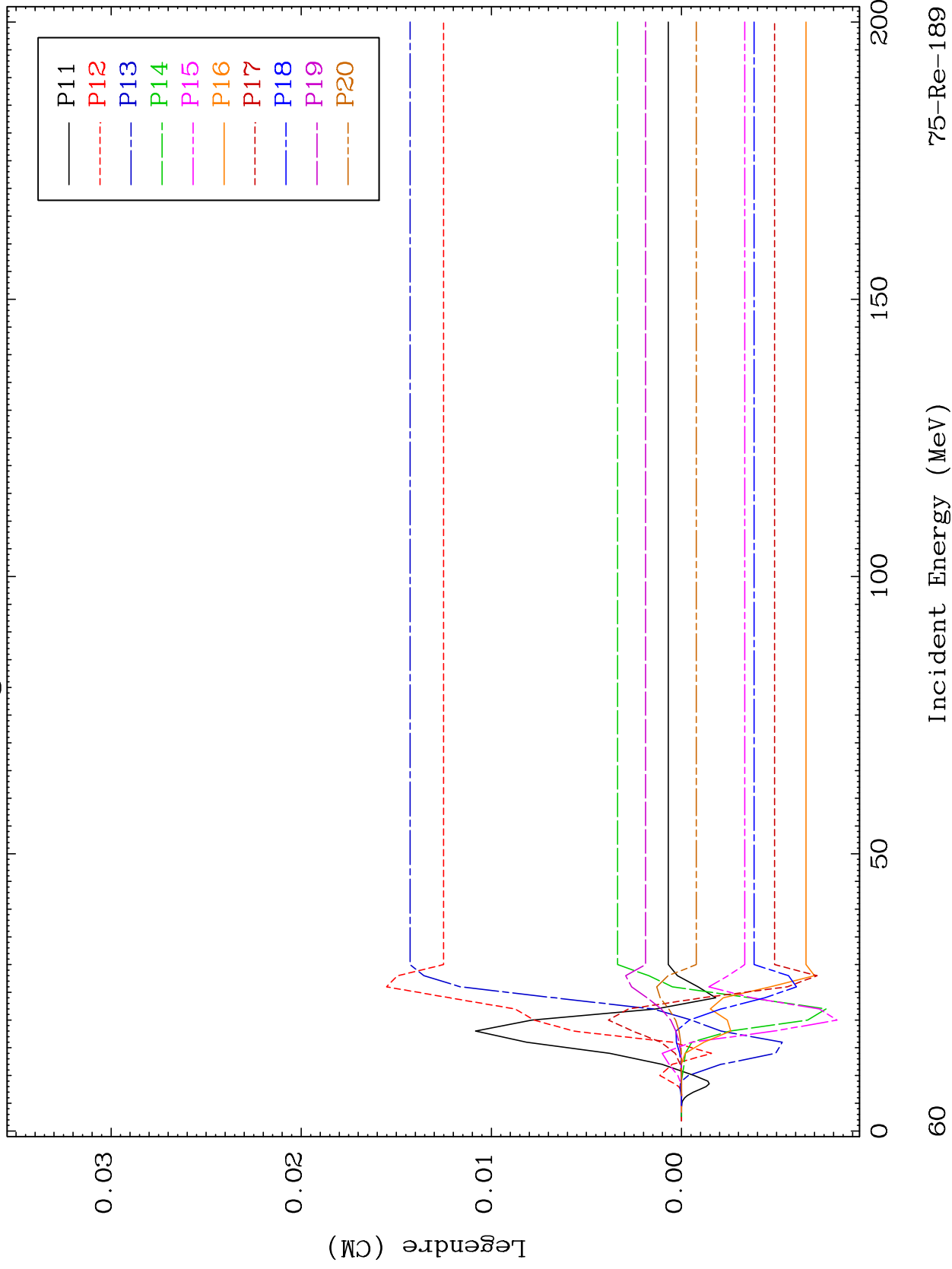




MAT 7537

697.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189

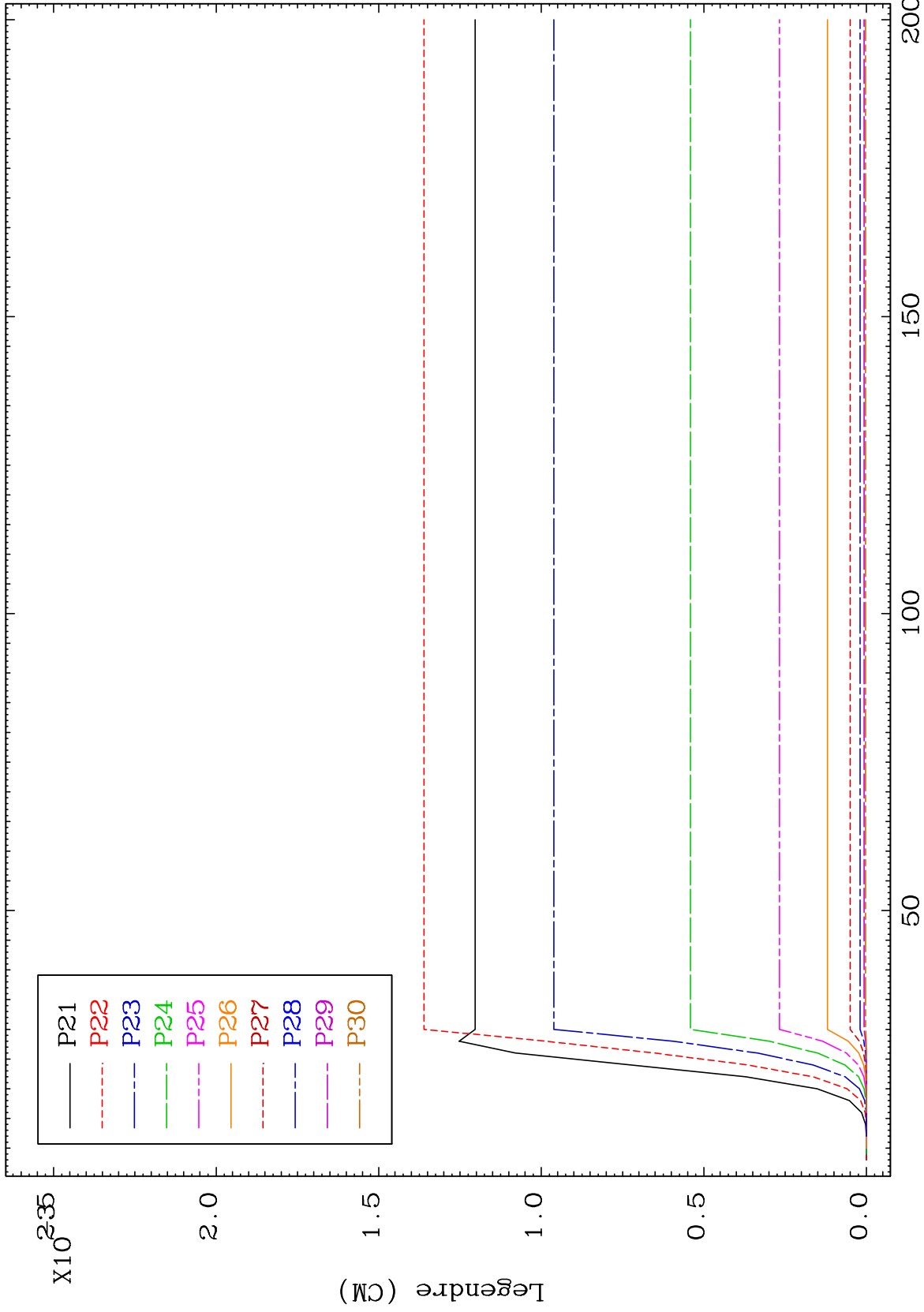


75-Re-189

MAT 7537

697.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



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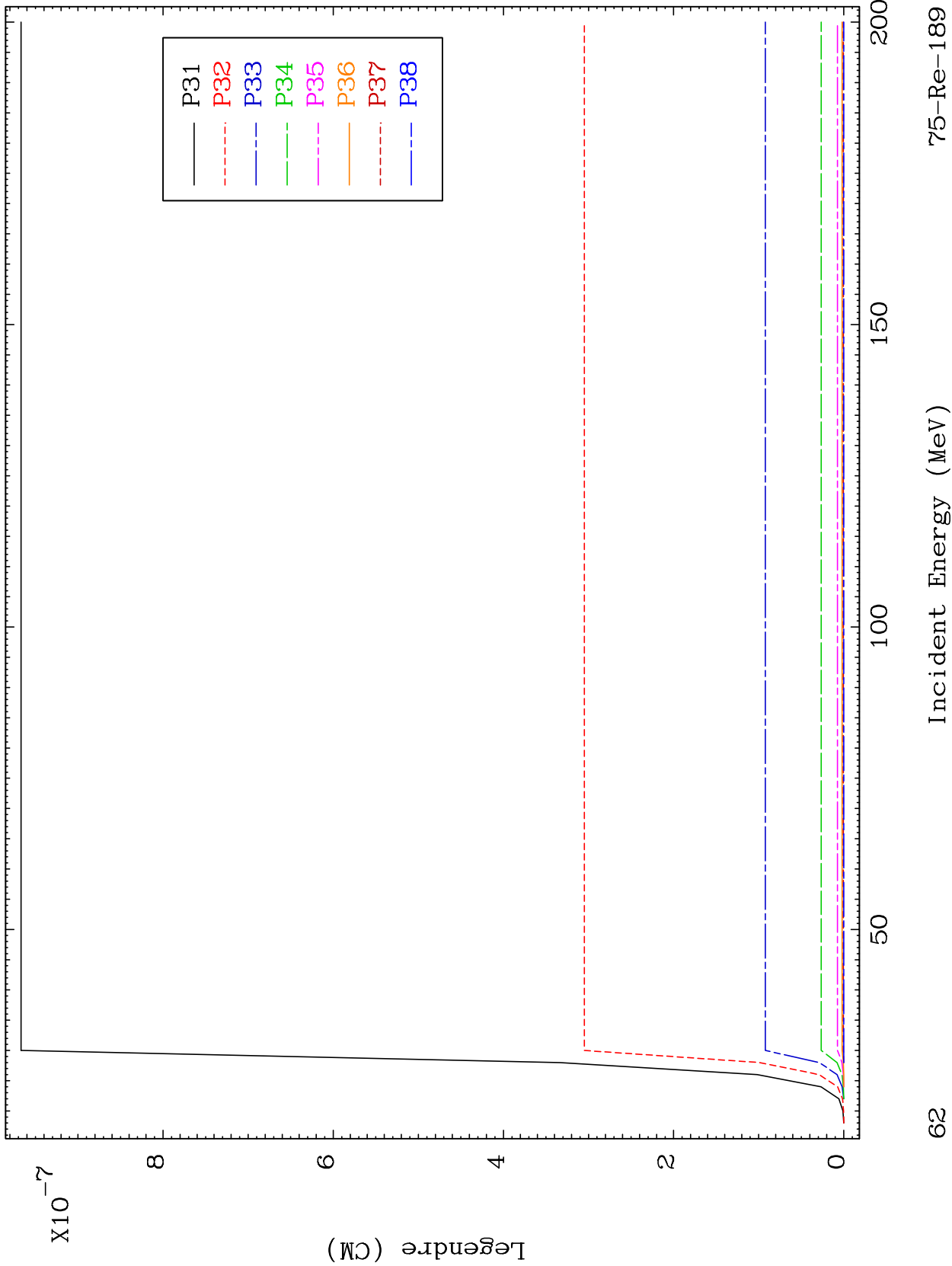
Incident Energy (MeV)

75-Re-189

MAT 7537

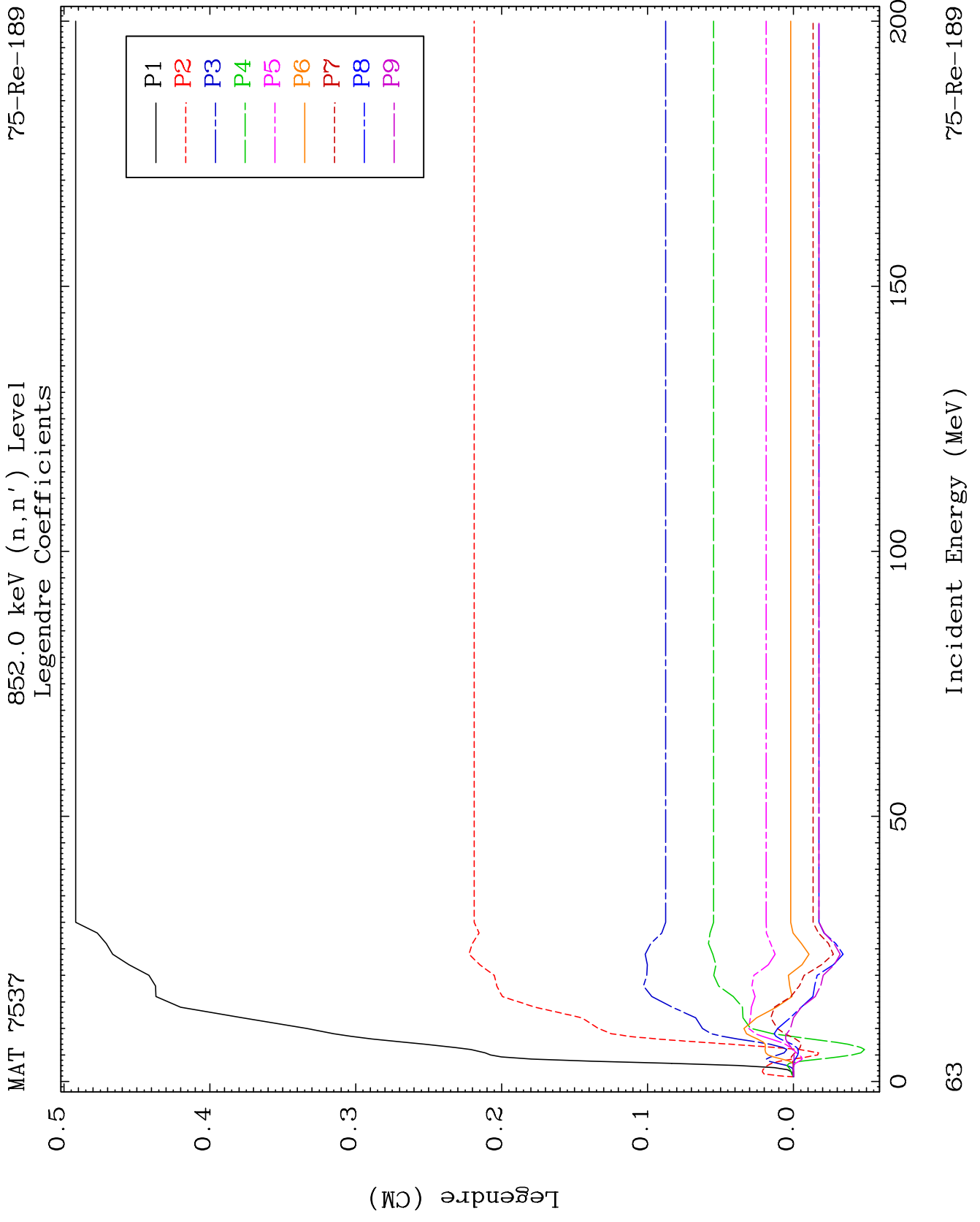
697.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



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75-Re-189

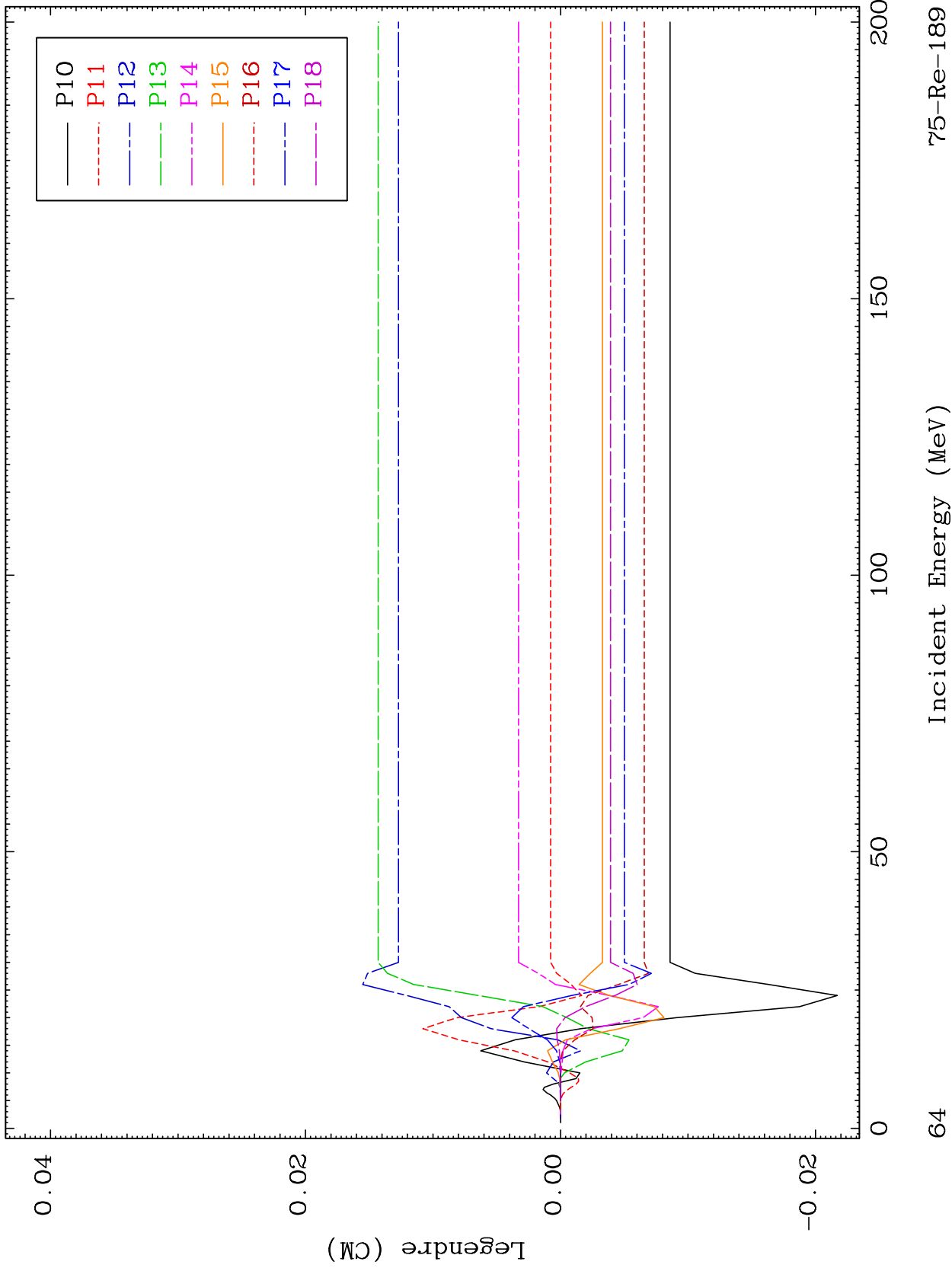




MAT 7537

852.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



64

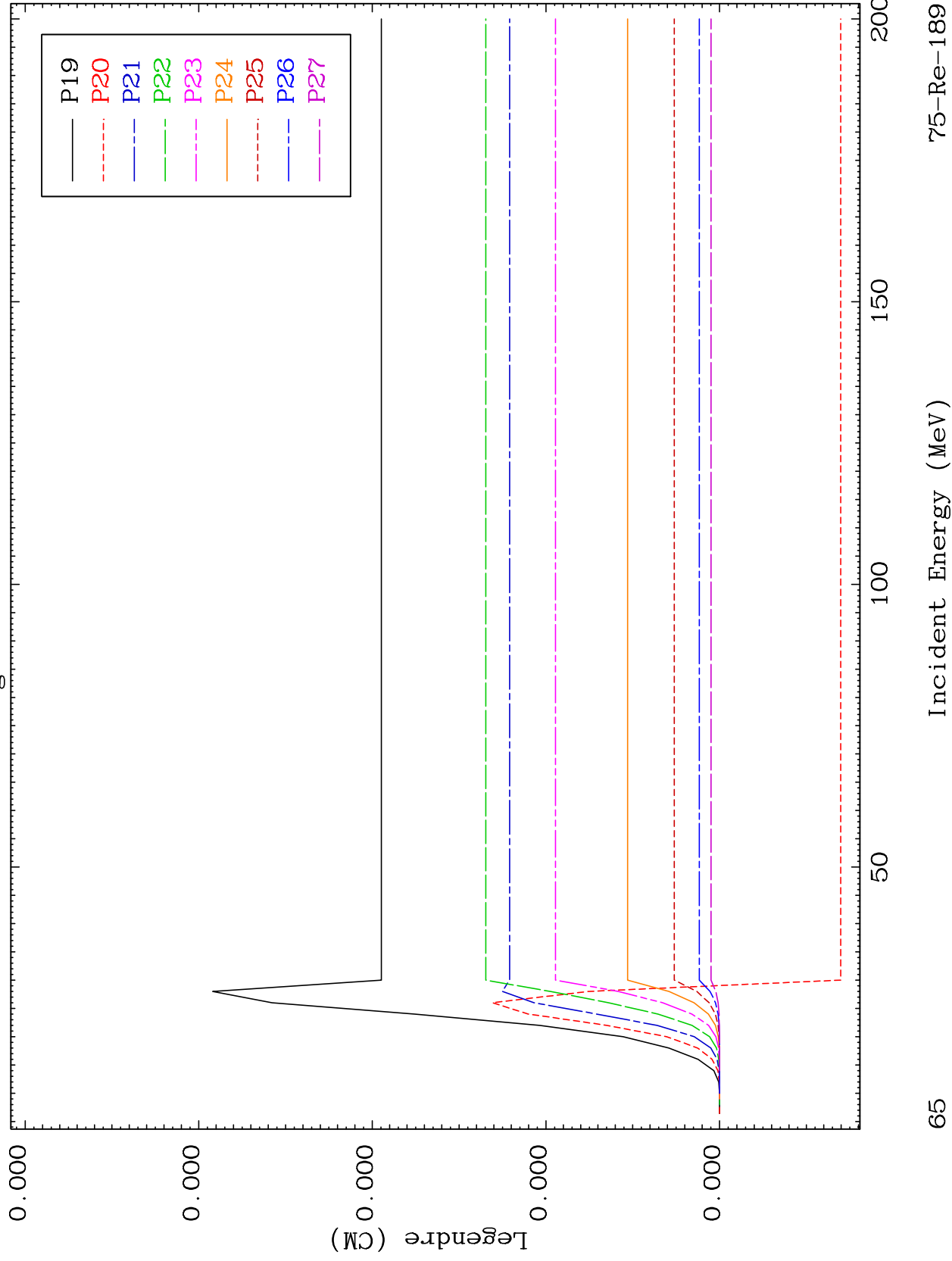
Incident Energy (MeV)

75-Re-189

MAT 7537

852.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189



65

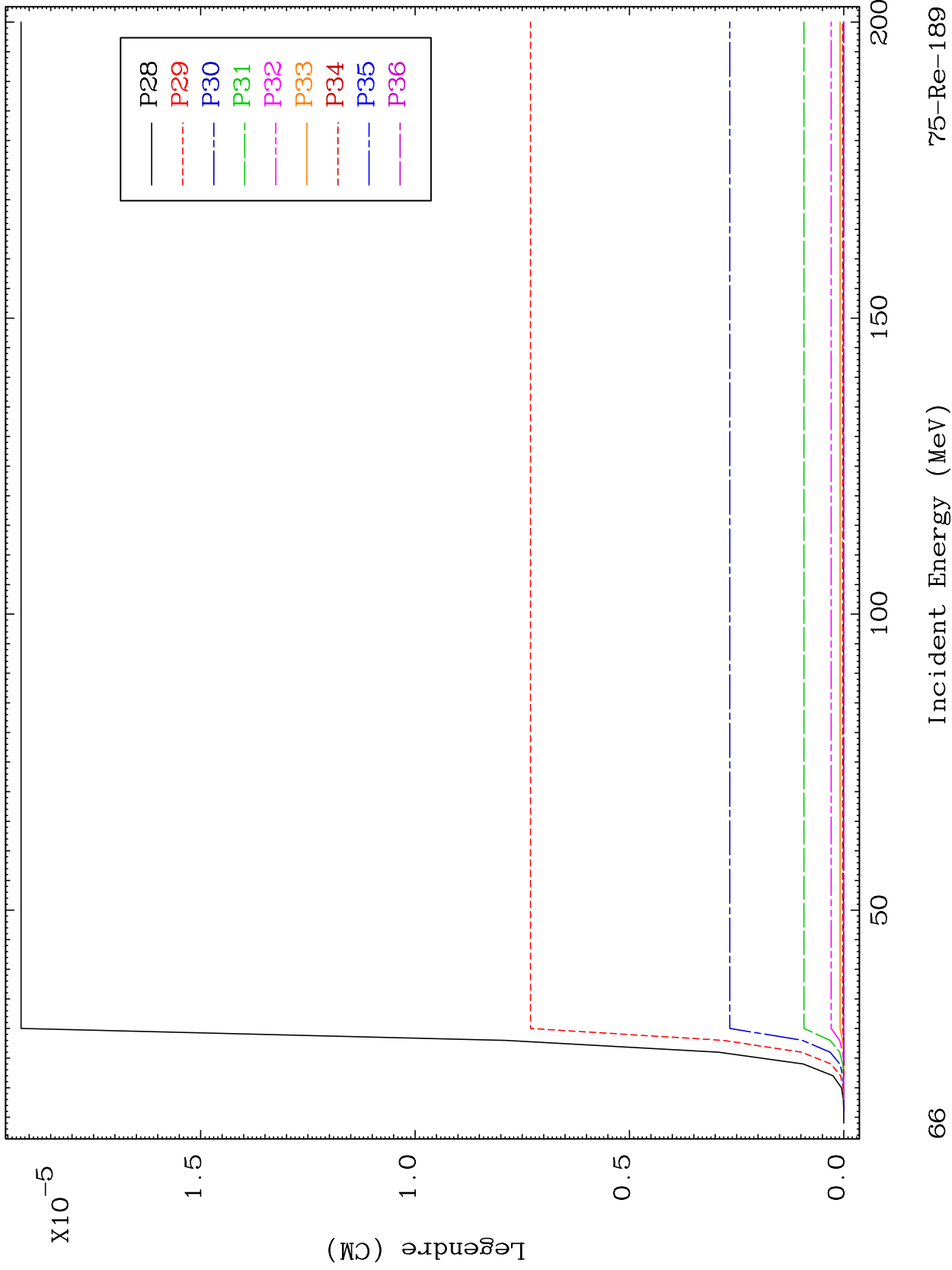
Incident Energy (MeV)

75-Re-189

MAT 7537

852.0 keV (n,n') Level  
Legendre Coefficients

75-Re-189

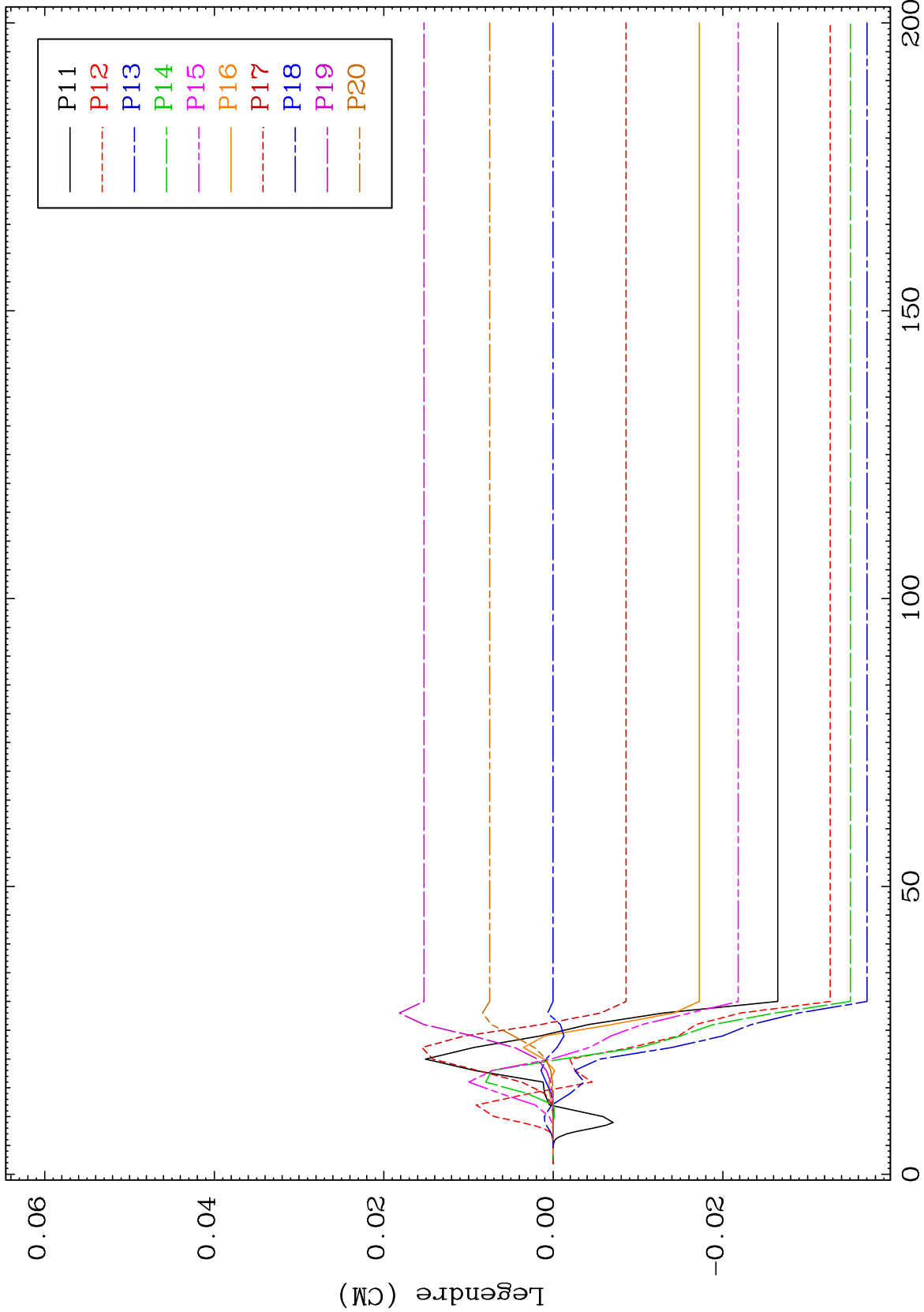




MAT 7537

877.0 keV (n,n') Level  
Legendre Coefficients

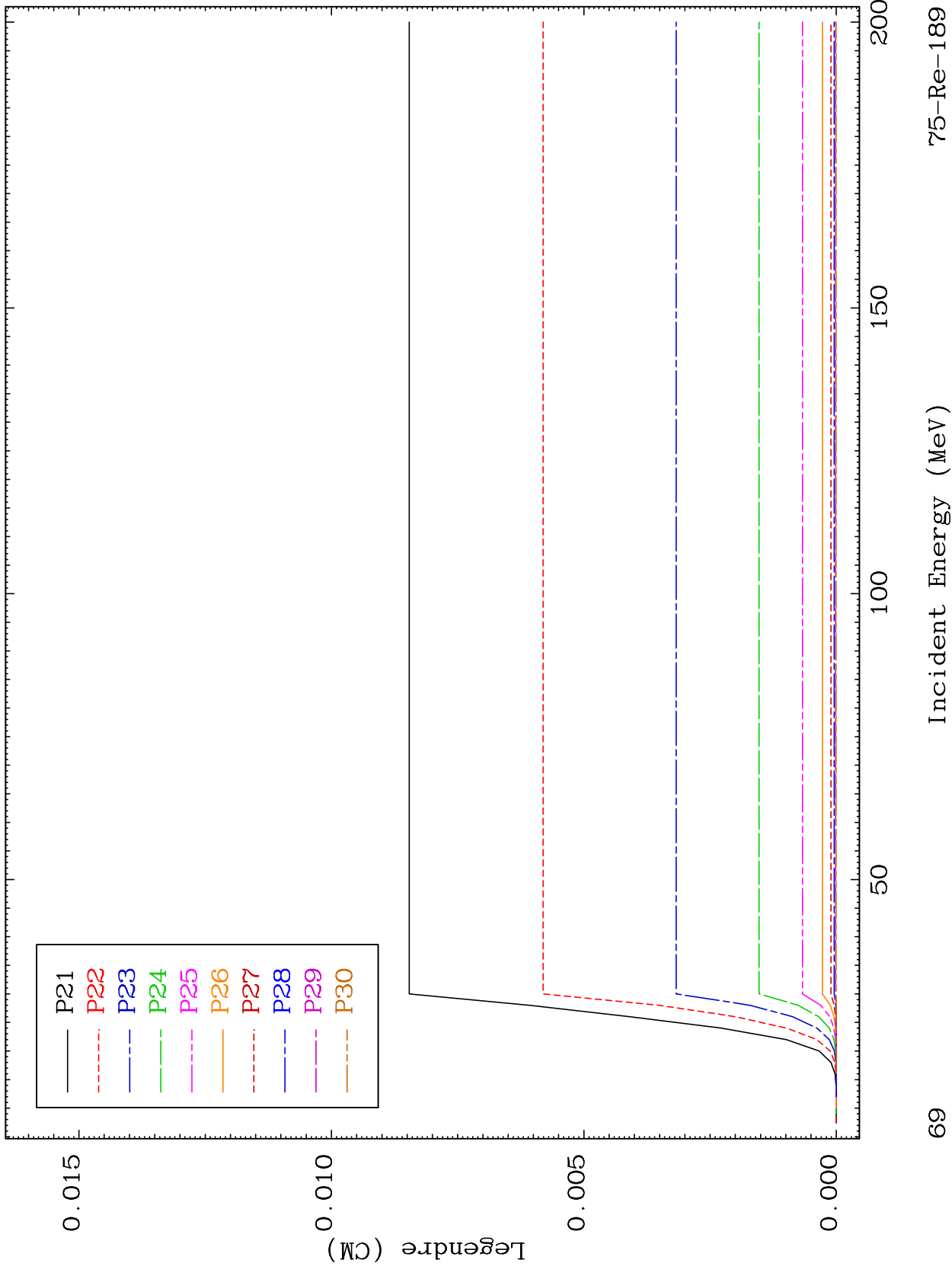
75-Re-189

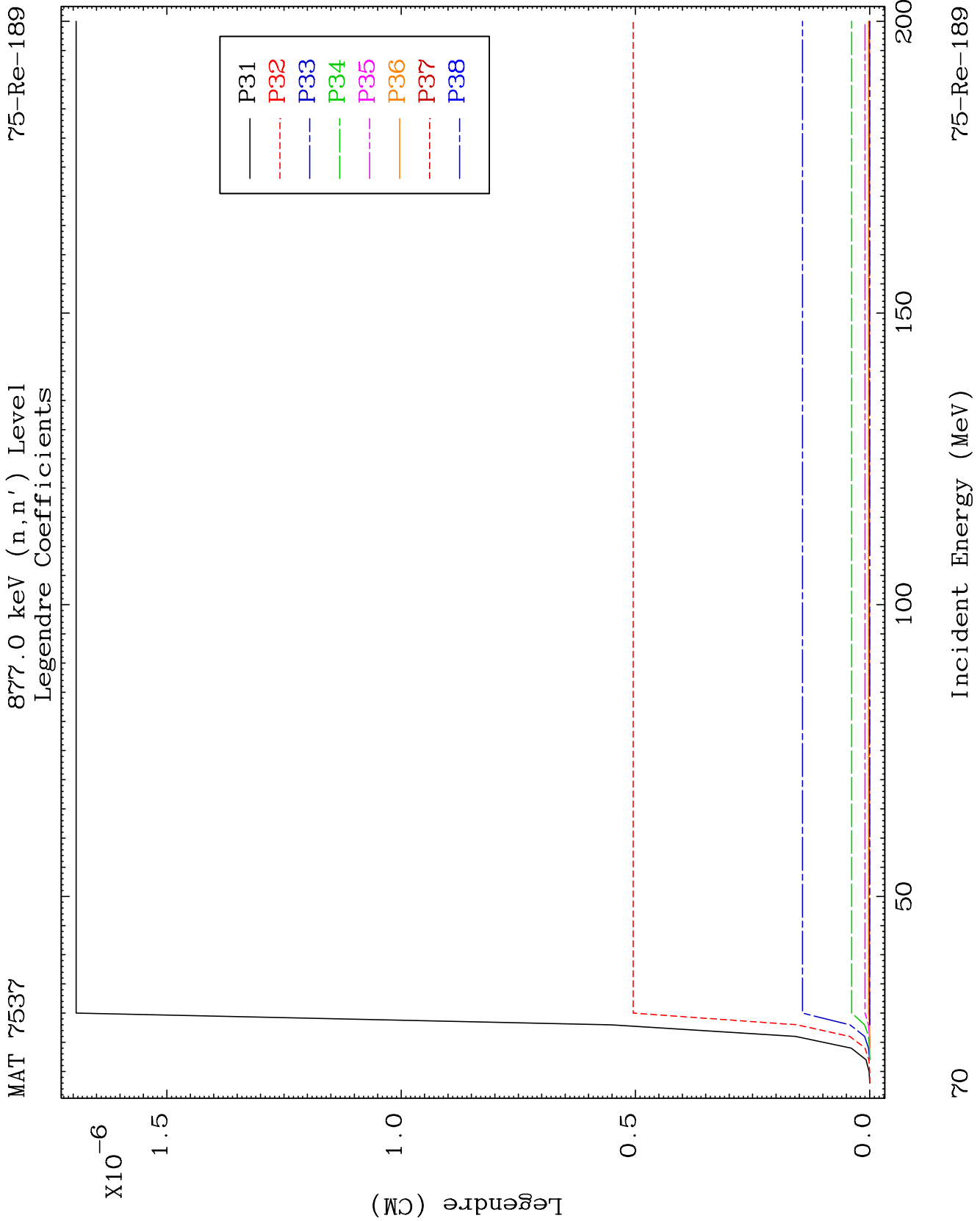


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Incident Energy (MeV)

75-Re-189

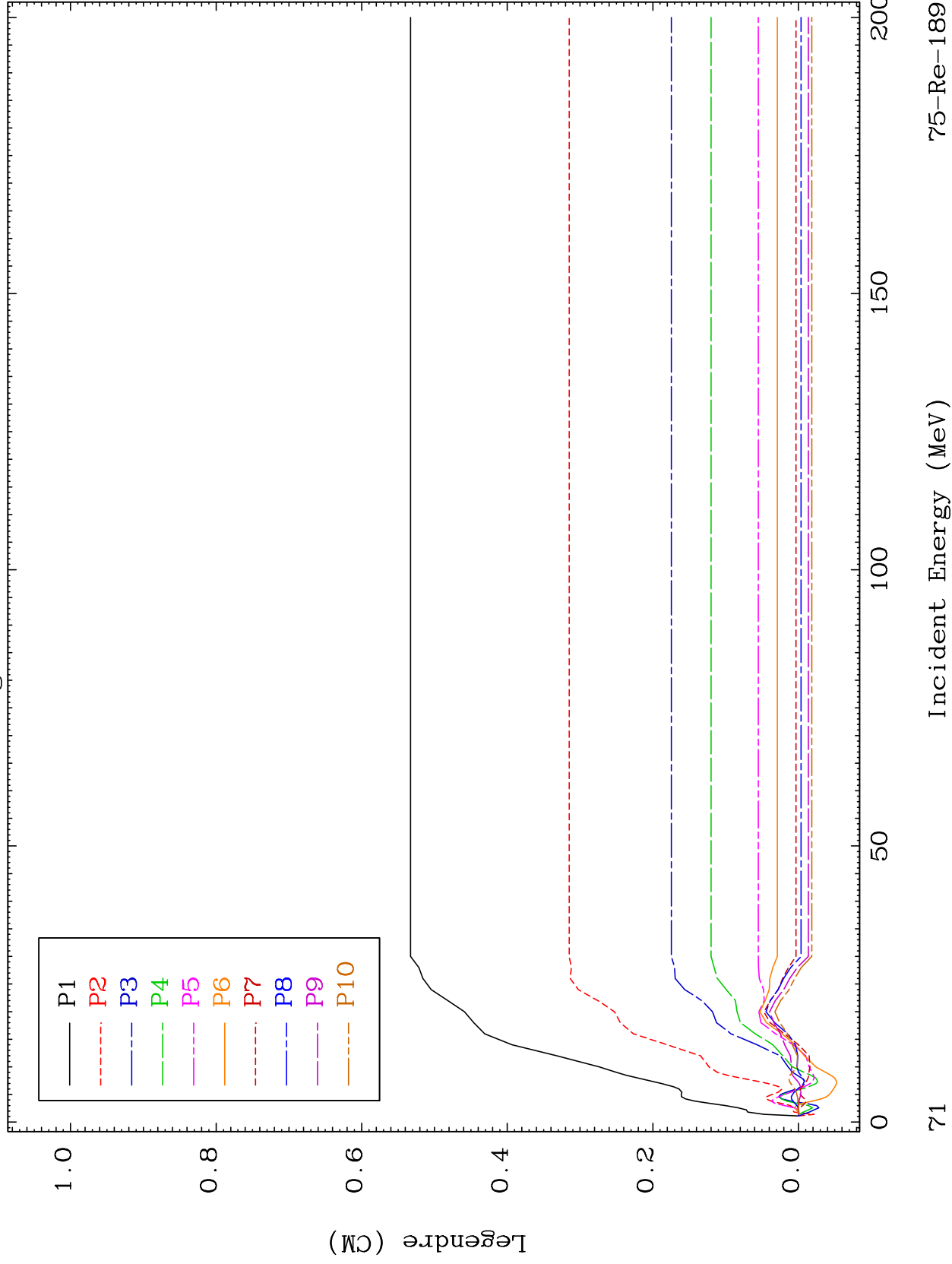




MAT 7537

1.097 MeV (n,n') Level  
Legendre Coefficients

75-Re-189

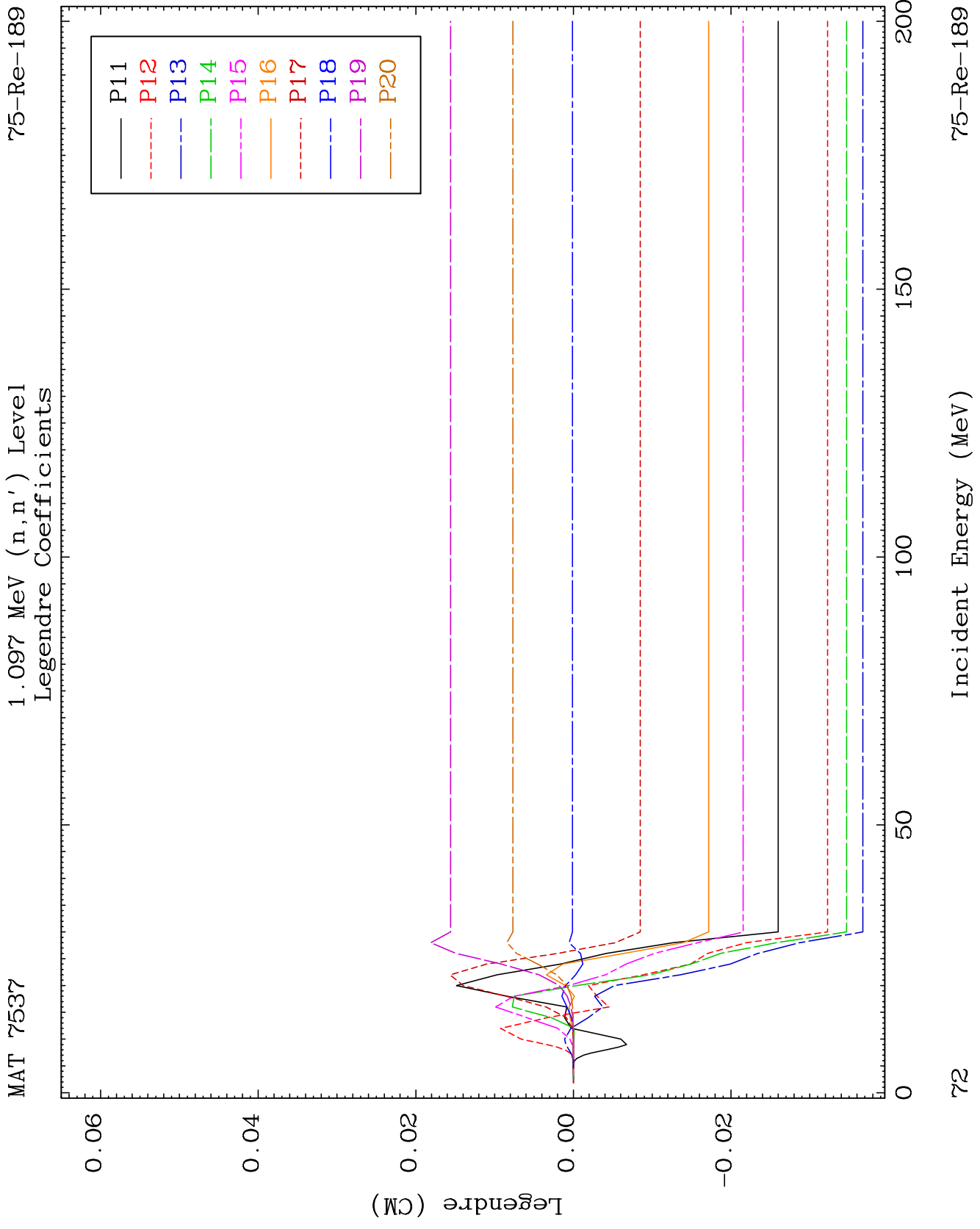


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Incident Energy (MeV)

75-Re-189

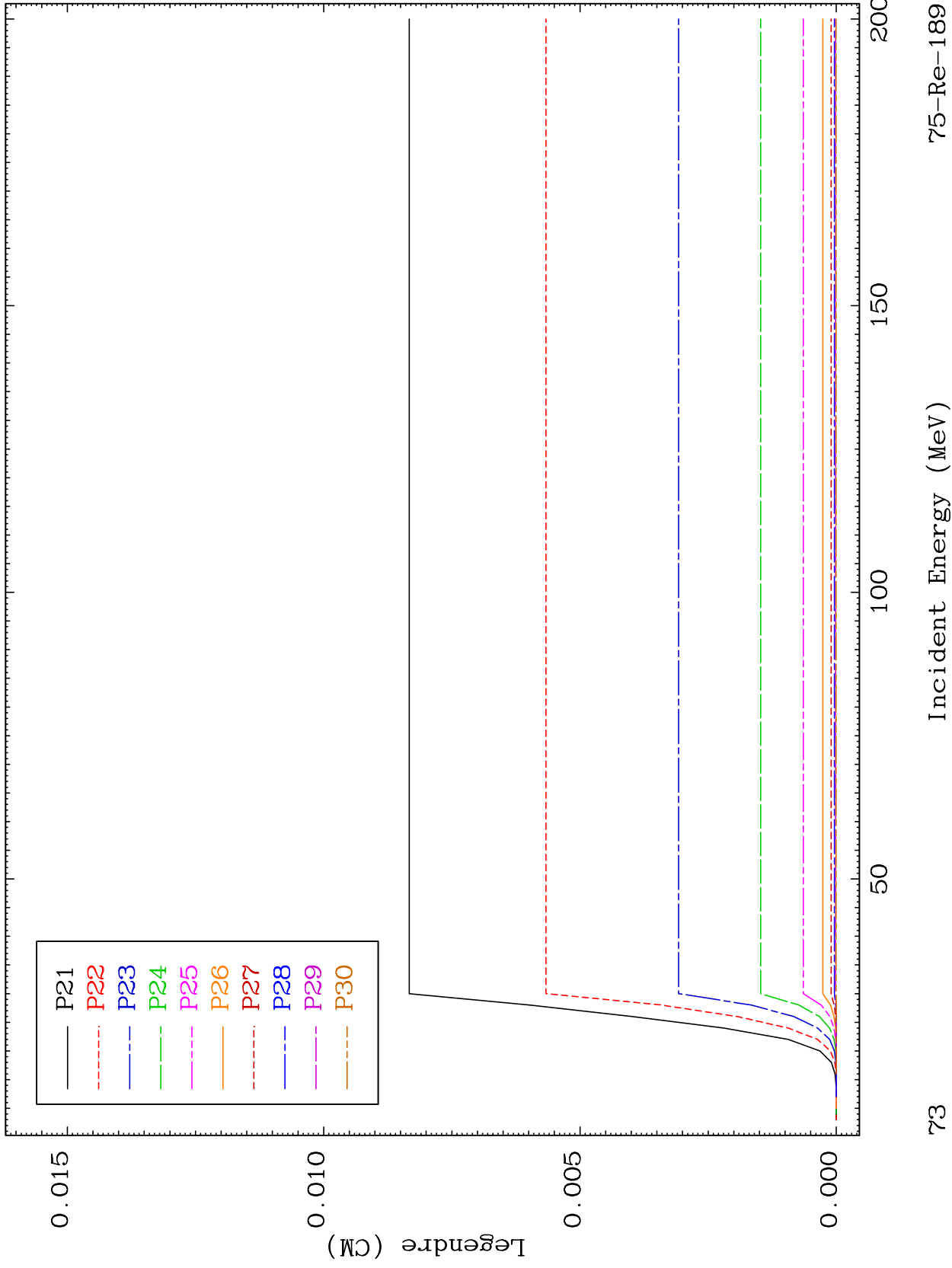




MAT 7537

1.097 MeV (n,n') Level  
Legendre Coefficients

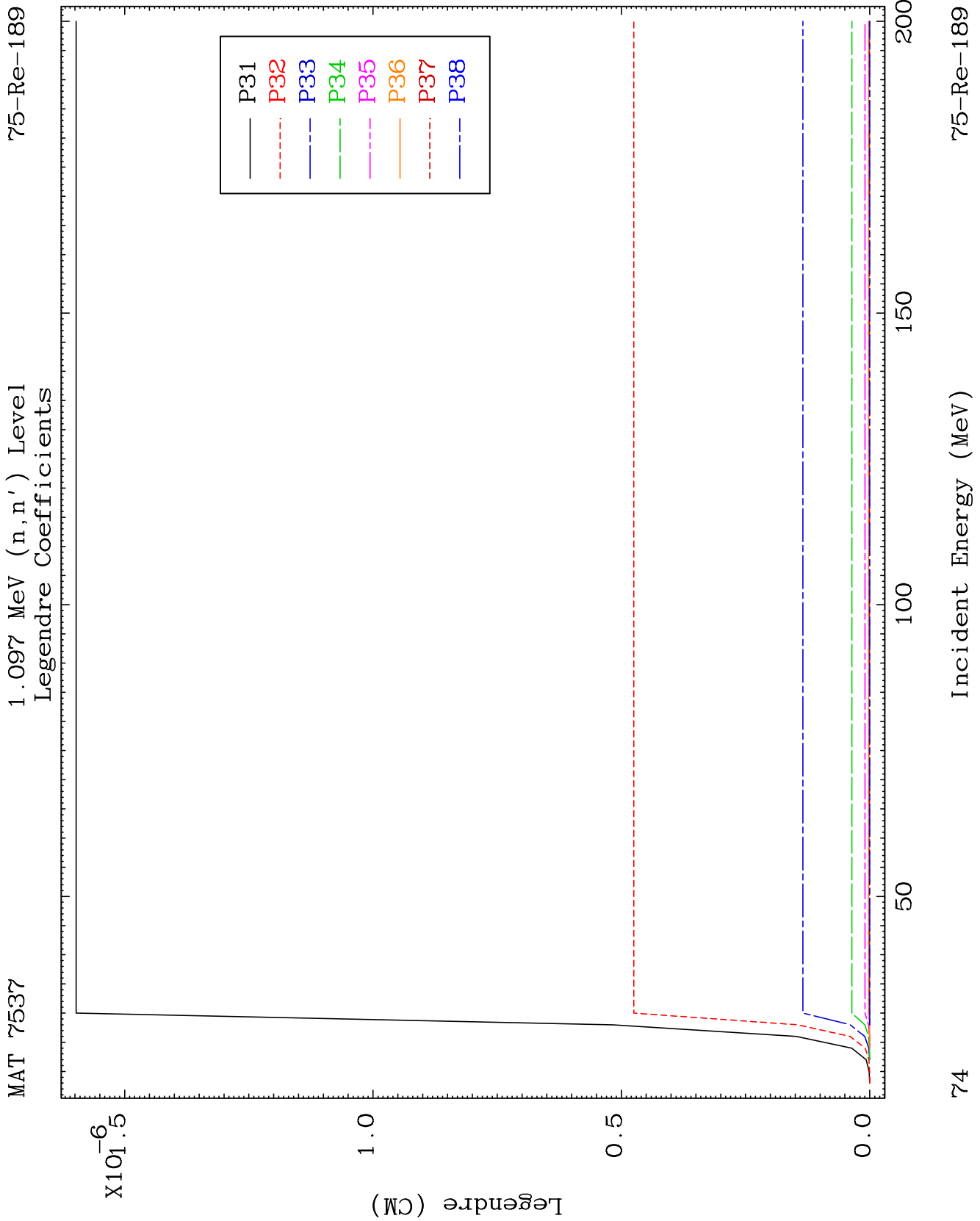
75-Re-189



73

Incident Energy (MeV)

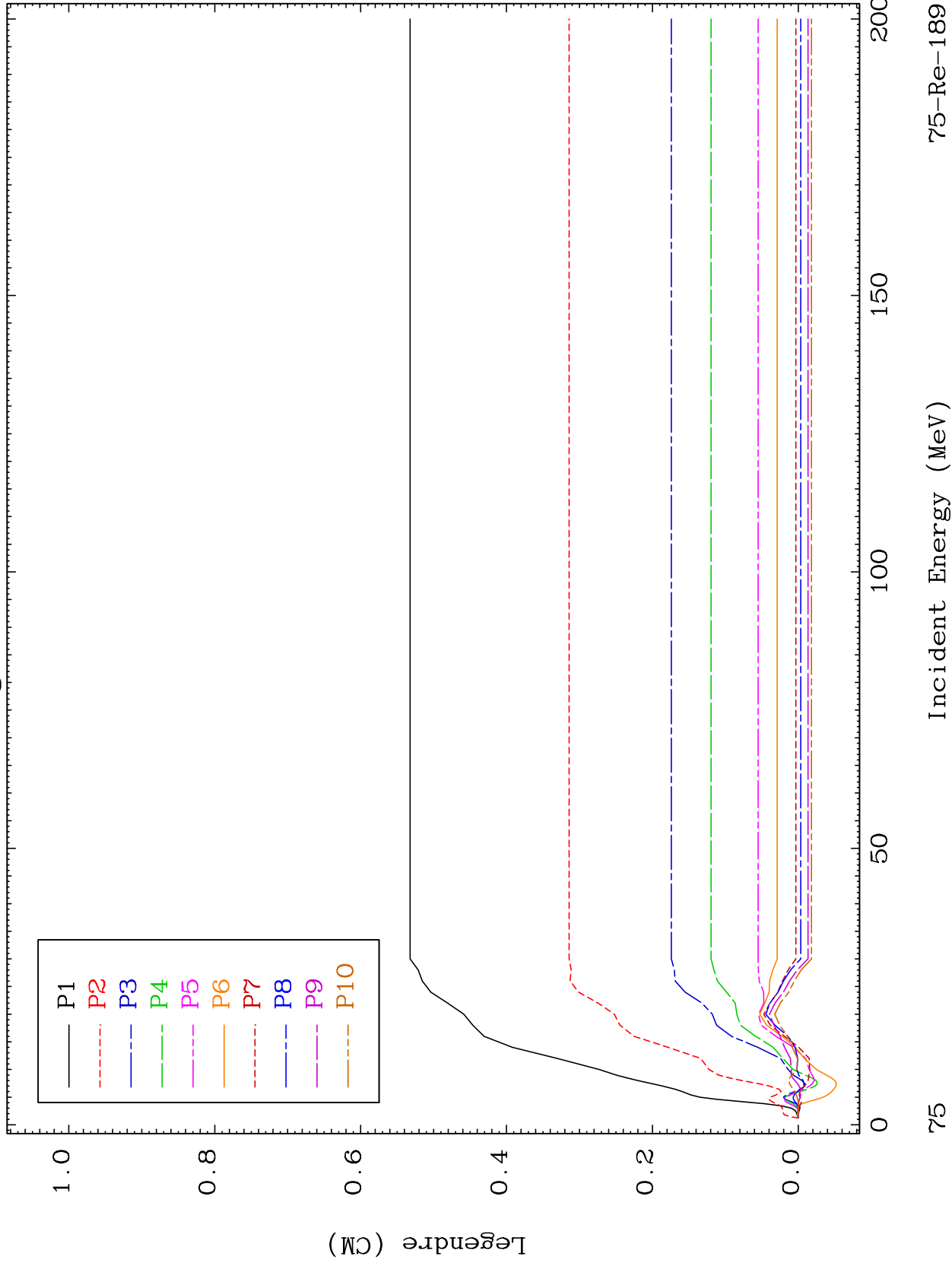
75-Re-189



MAT 7537

1.223 MeV (n, n') Level  
Legendre Coefficients

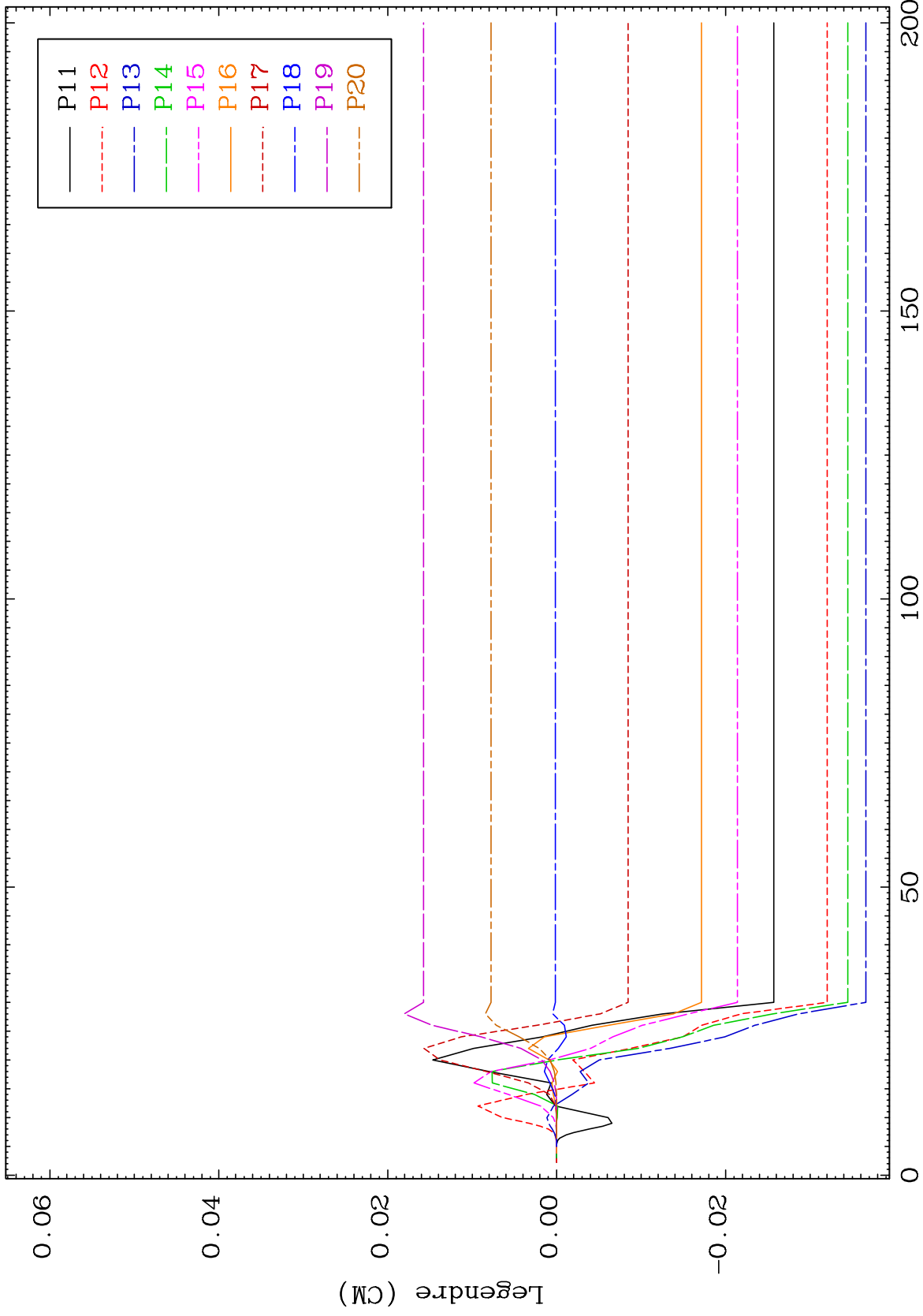
75-Re-189



MAT 7537

1.223 MeV (n,n') Level  
Legendre Coefficients

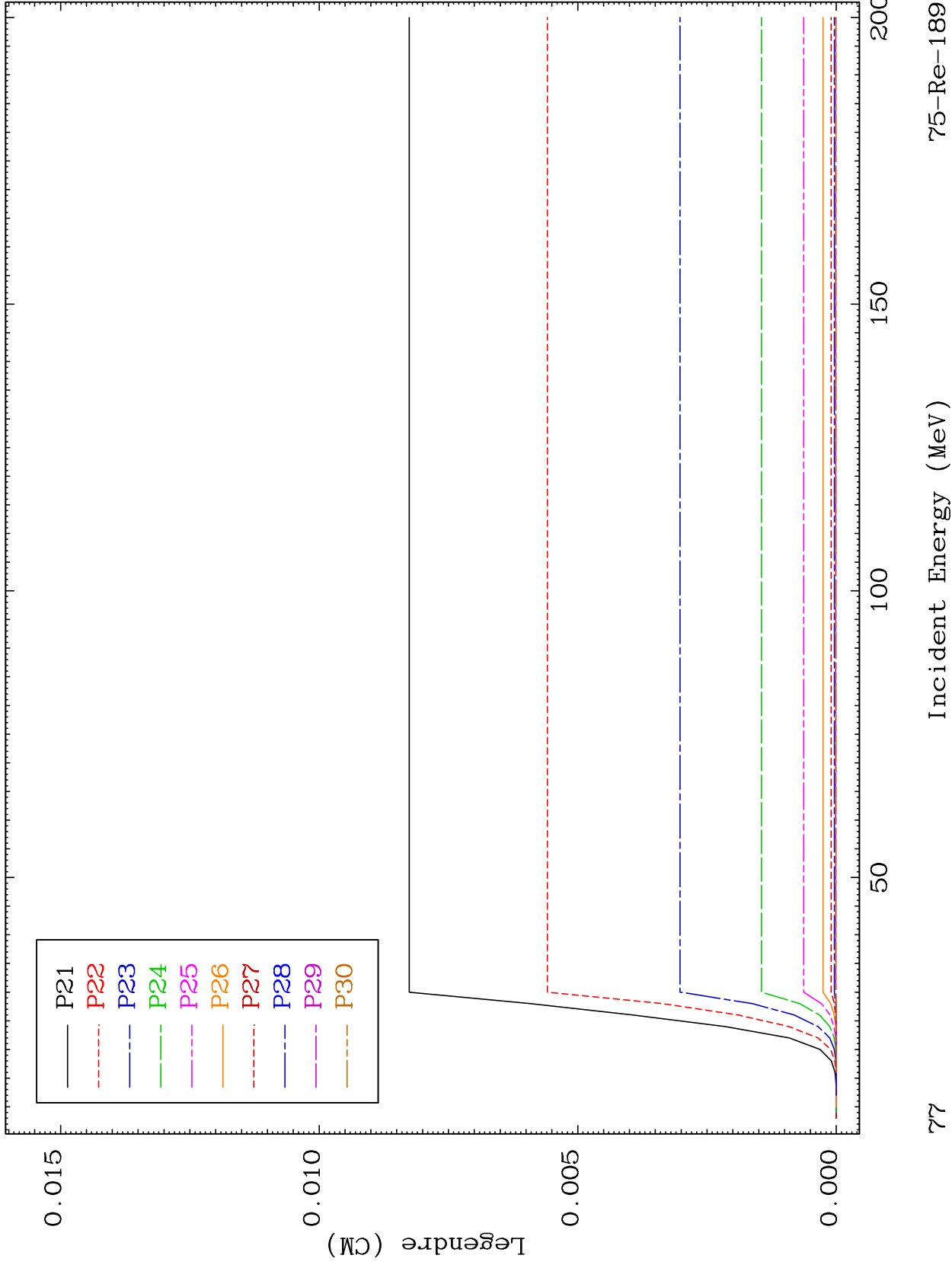
75-Re-189



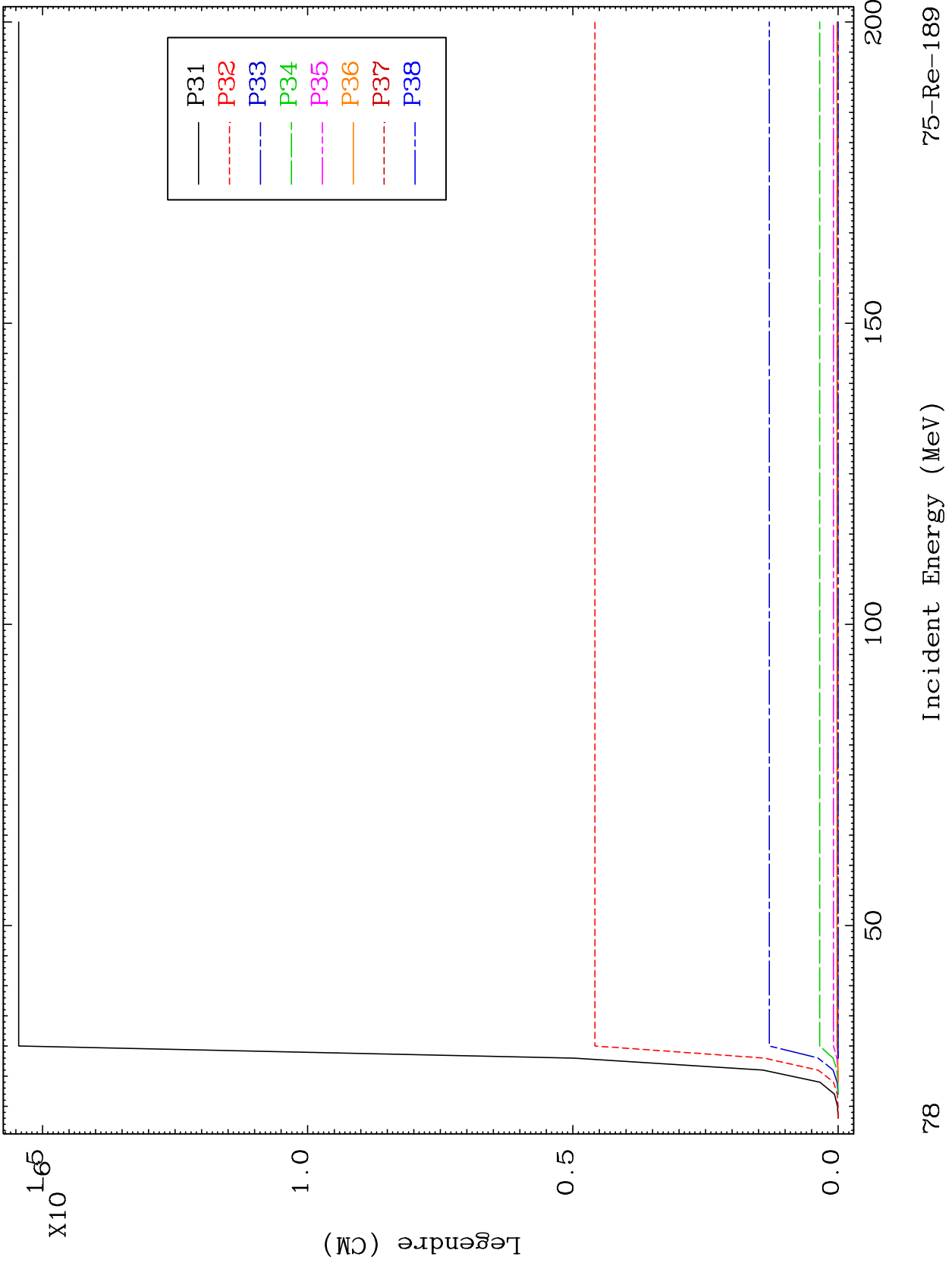
76

Incident Energy (MeV)

75-Re-189



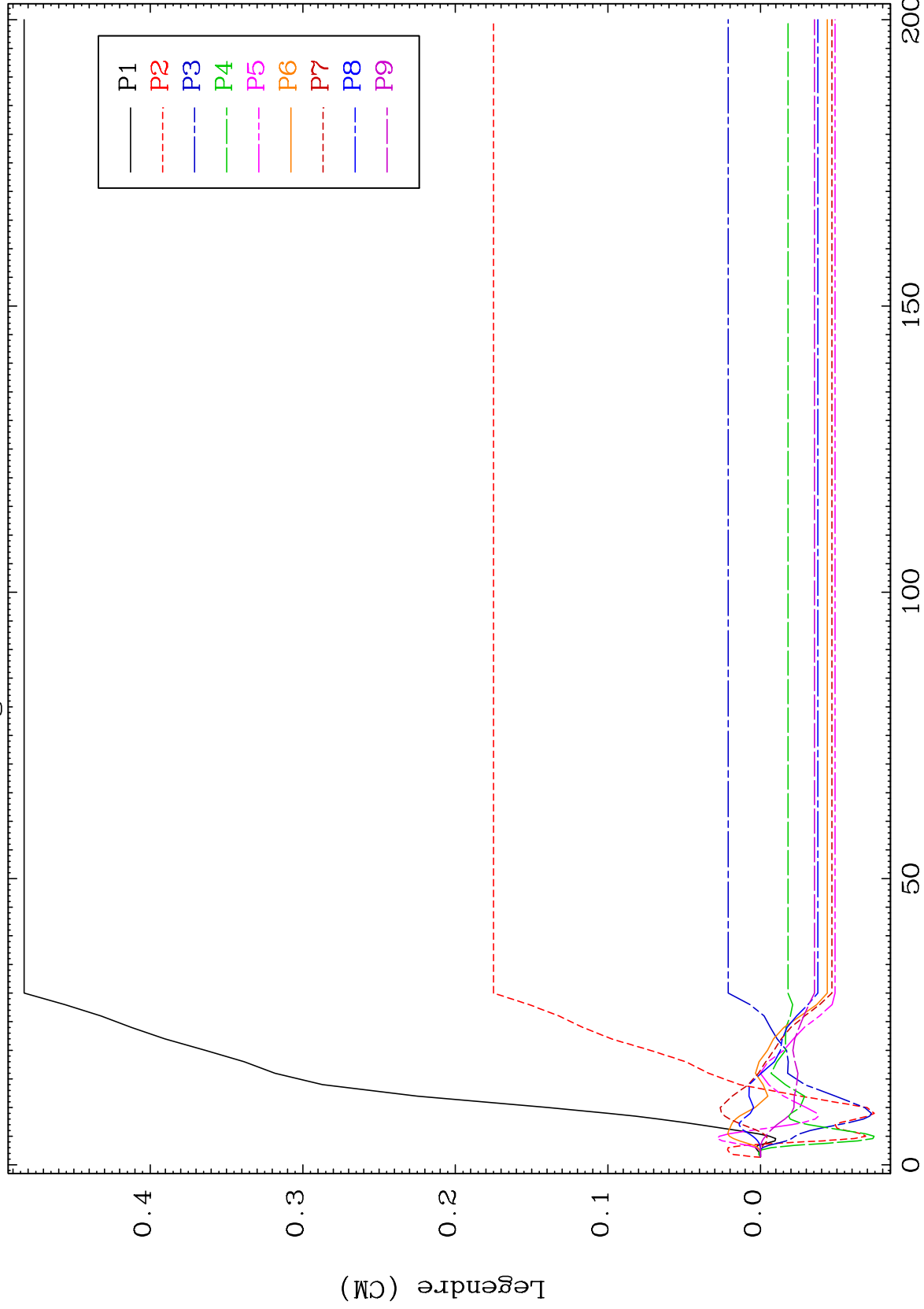
MAT 7537      1.223 MeV (n,n') Level      75-Re-189



MAT 7537

1.308 MeV (n,n') Level  
Legendre Coefficients

75-Re-189



79

Incident Energy (MeV)

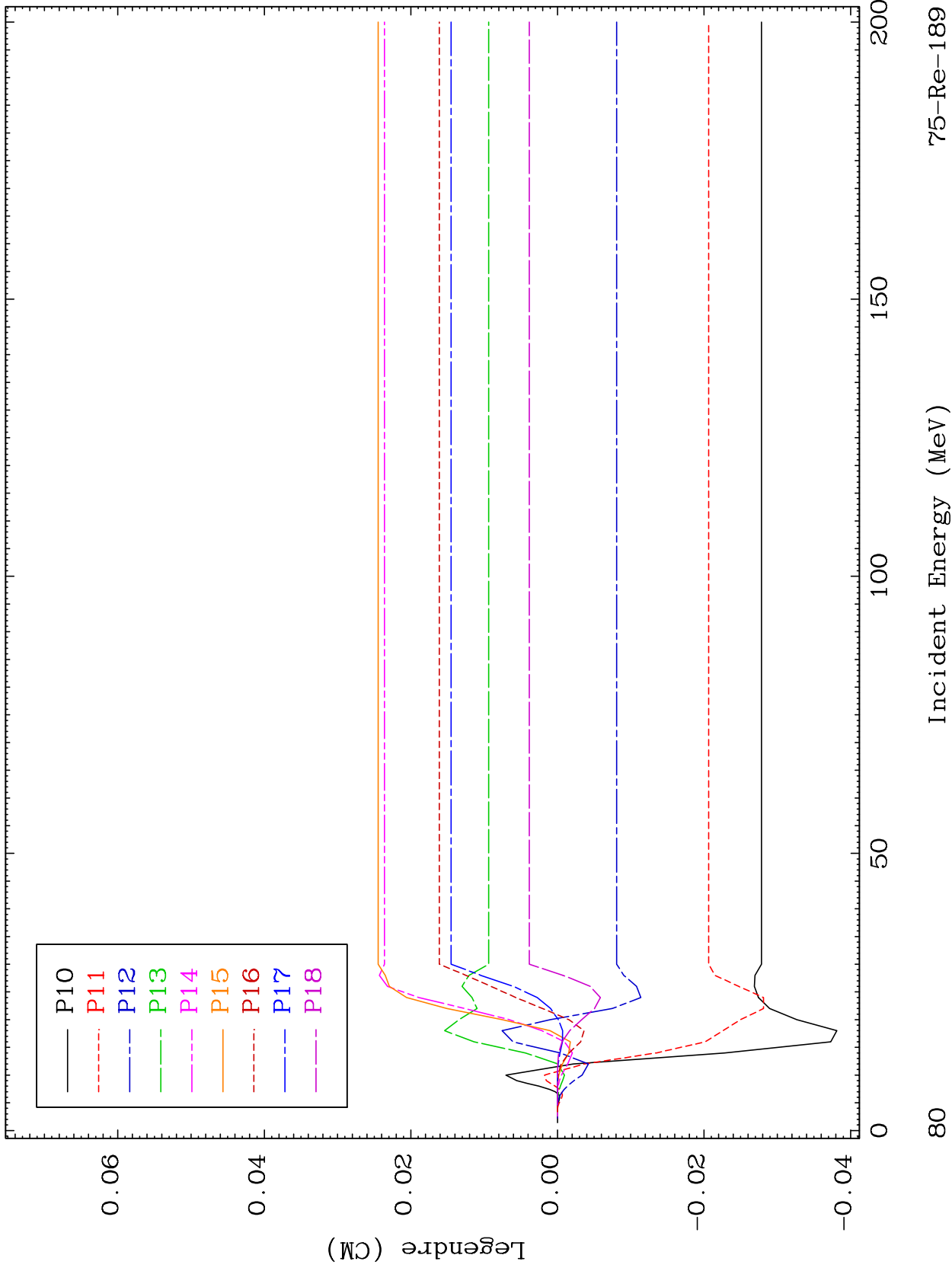
75-Re-189

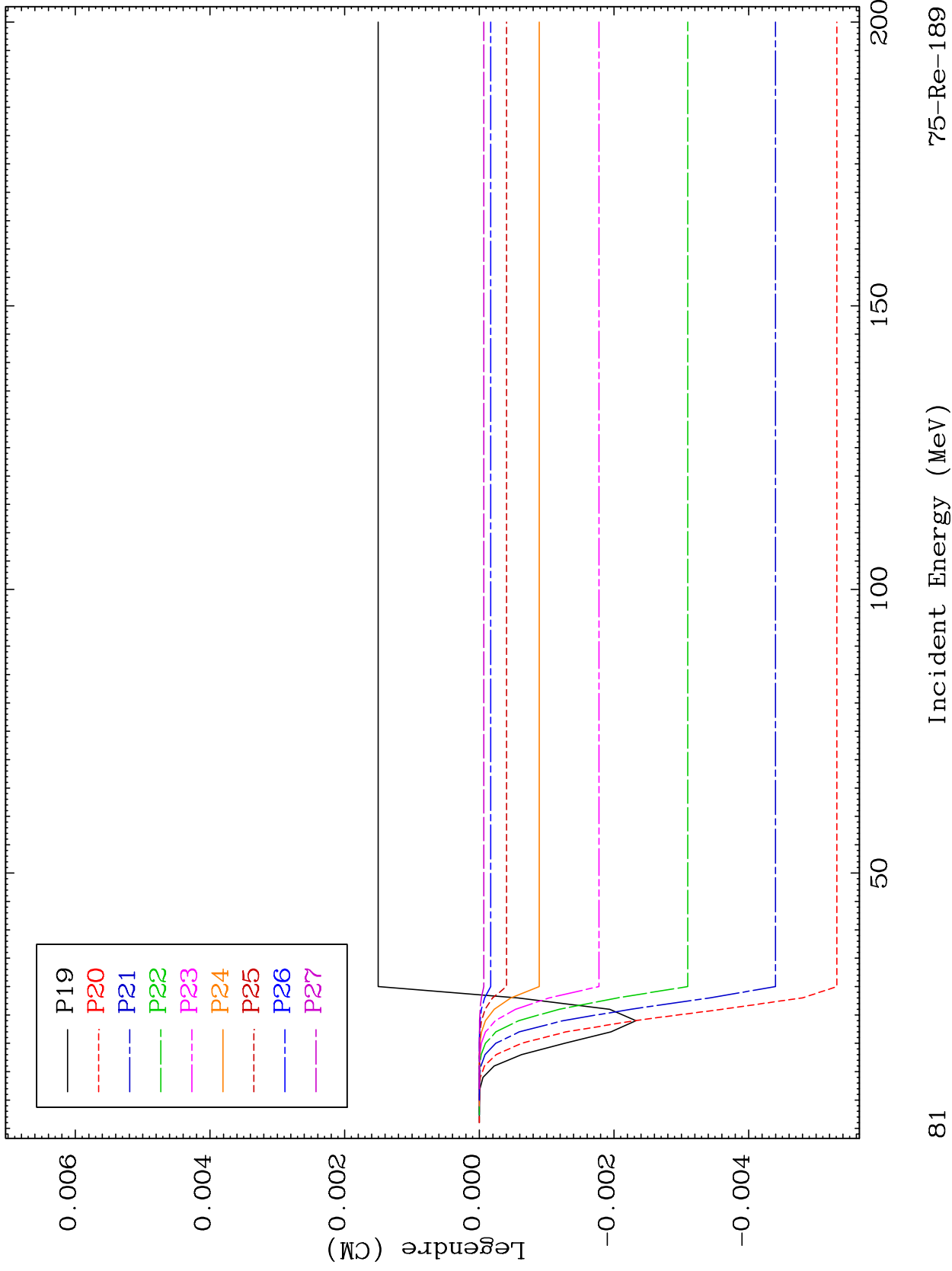


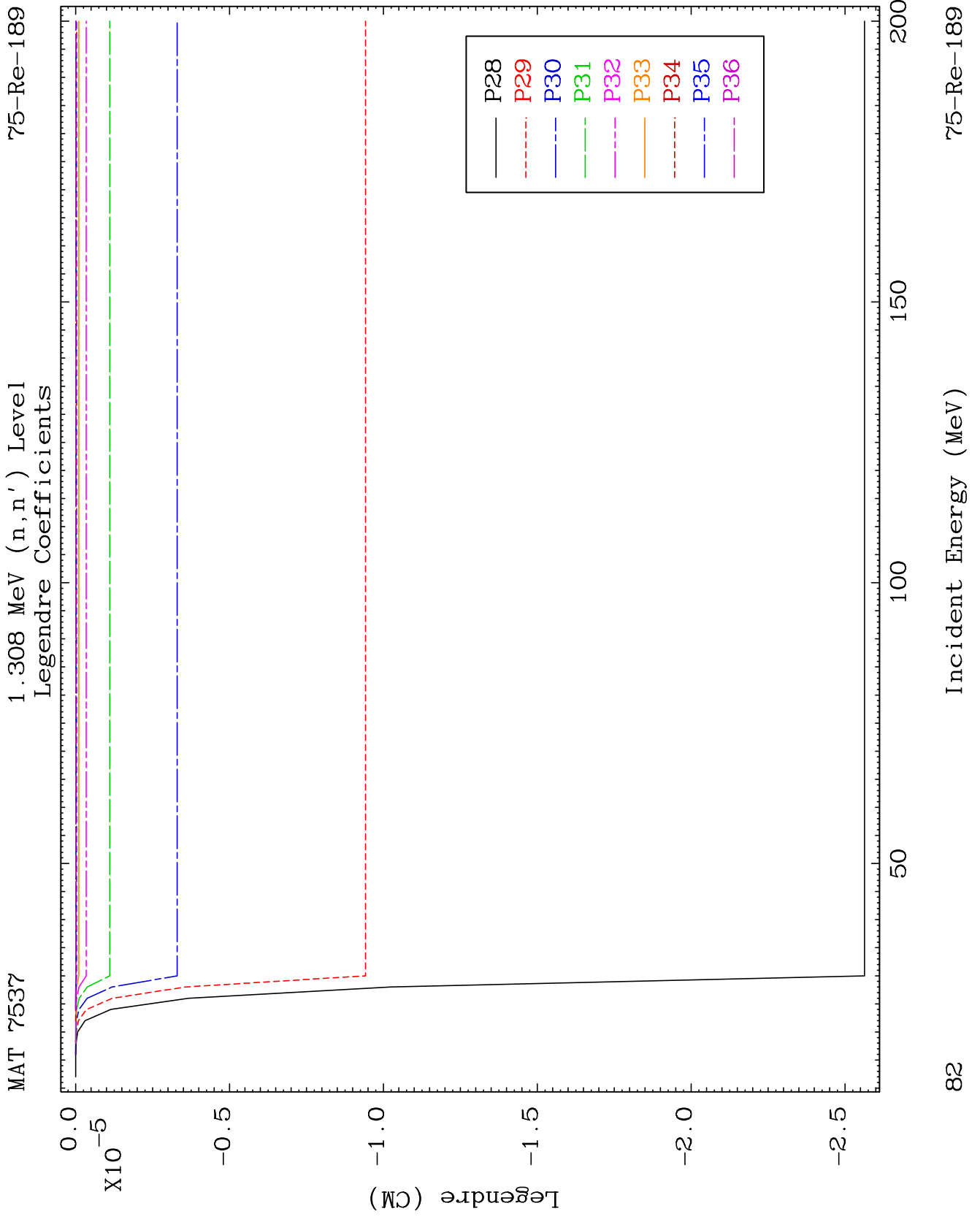
MAT 7537

1.308 MeV (n,n') Level  
Legendre Coefficients

75-Re-189







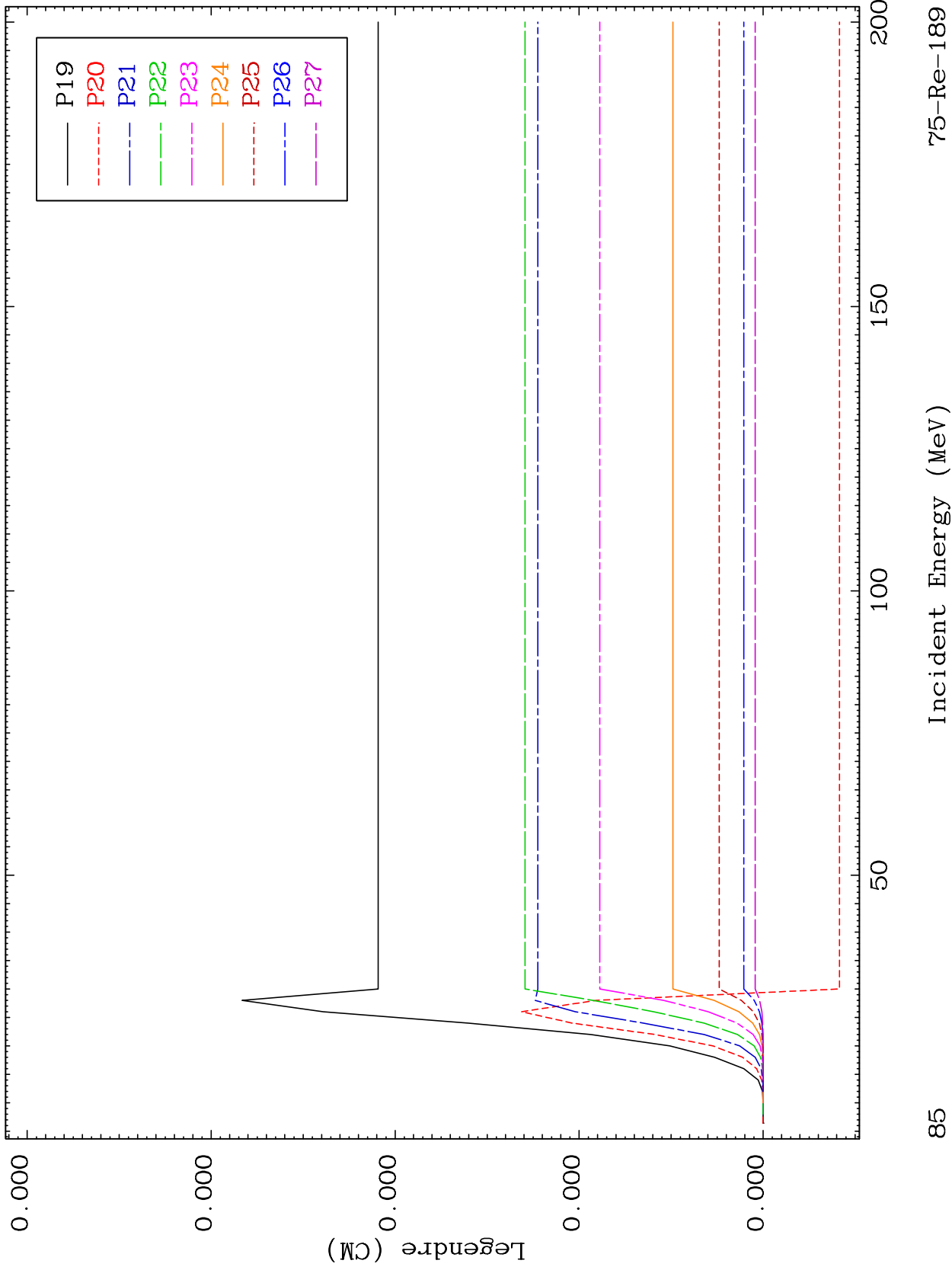




MAT 7537

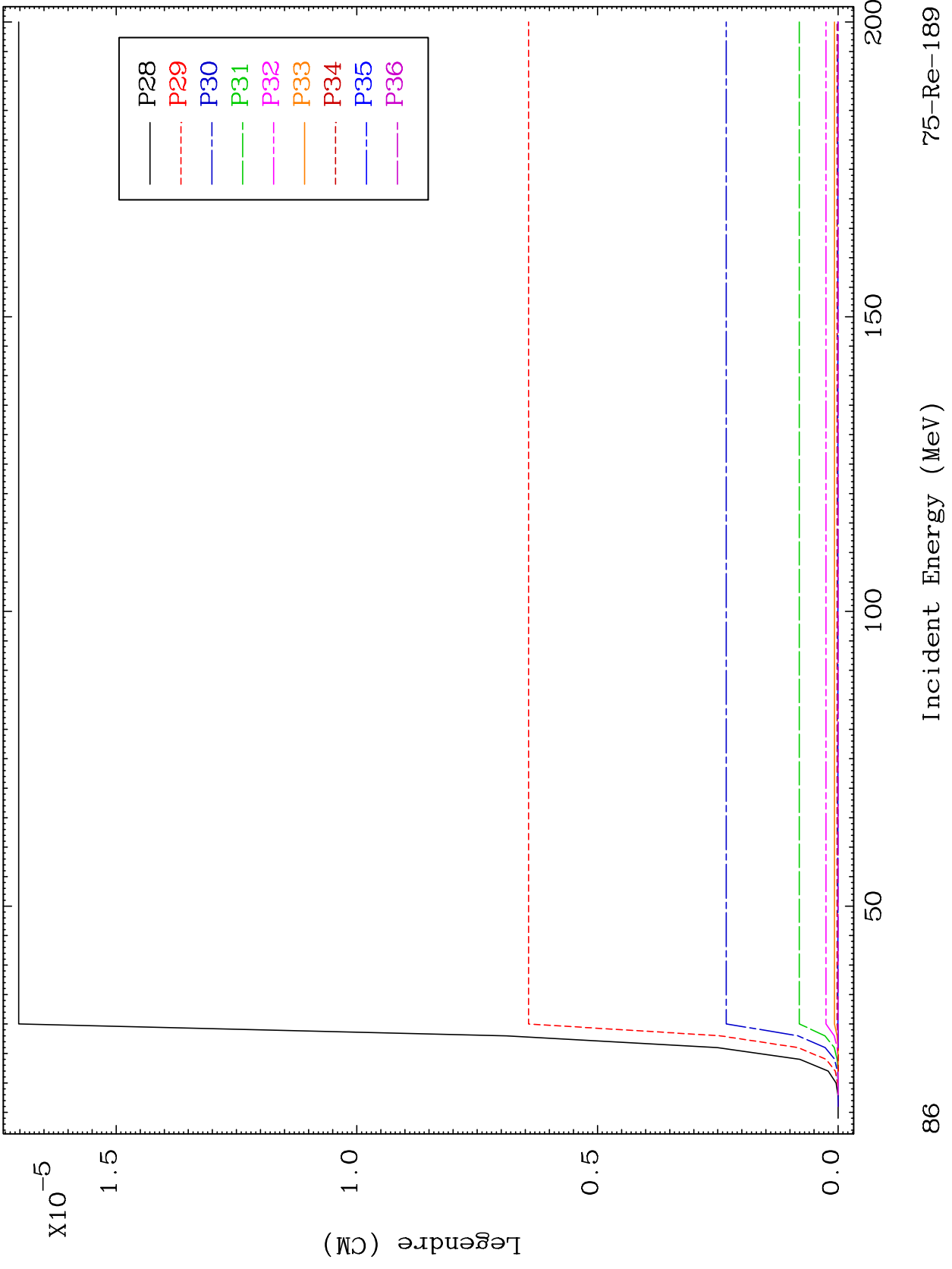
1.396 MeV (n,n') Level  
Legendre Coefficients

75-Re-189



85

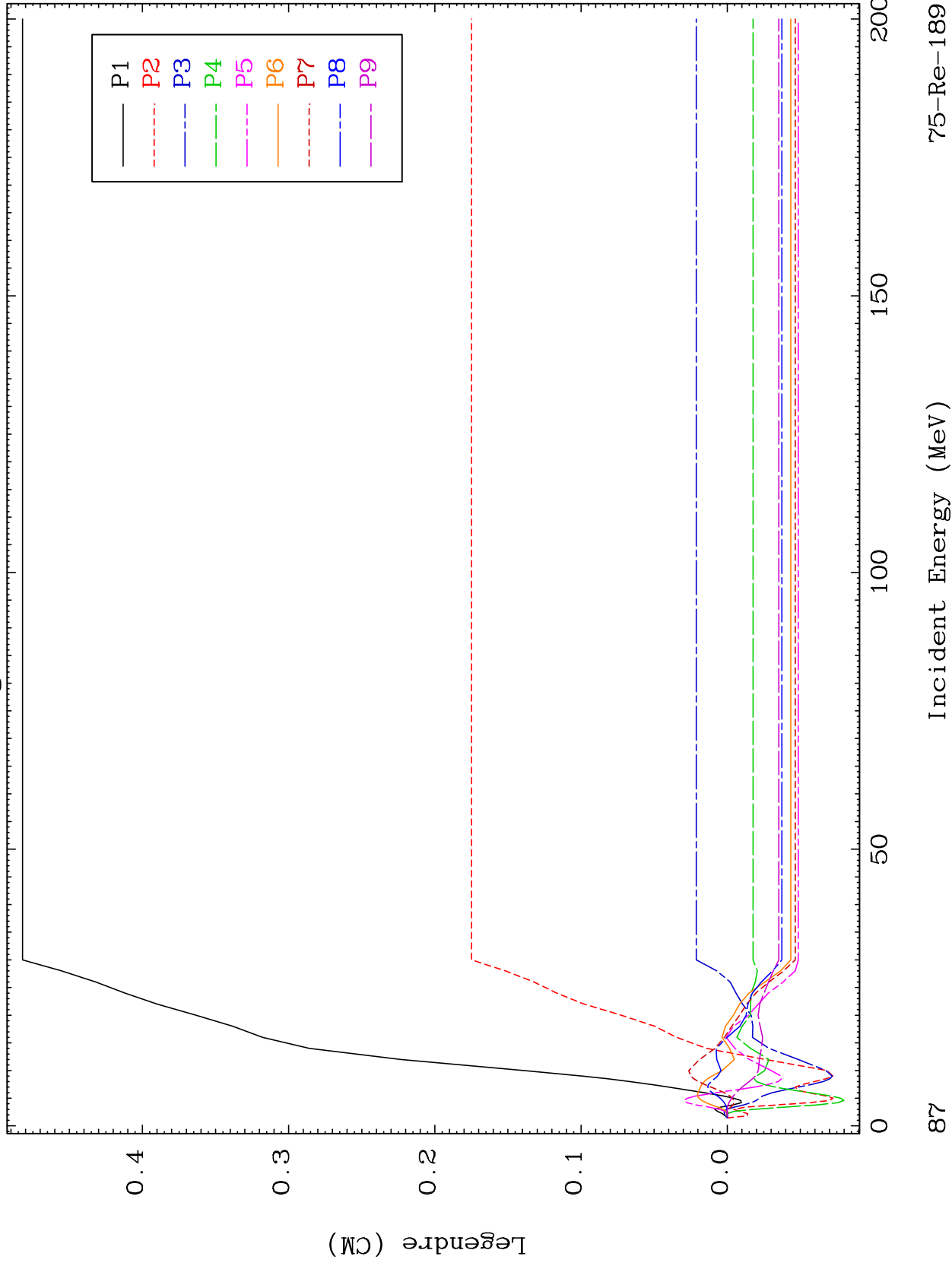
MAT 7537 1.396 MeV (n,n') Level Legendre Coefficients 75-Re-189



MAT 7537

1.423 MeV (n,n') Level  
Legendre Coefficients

75-Re-189

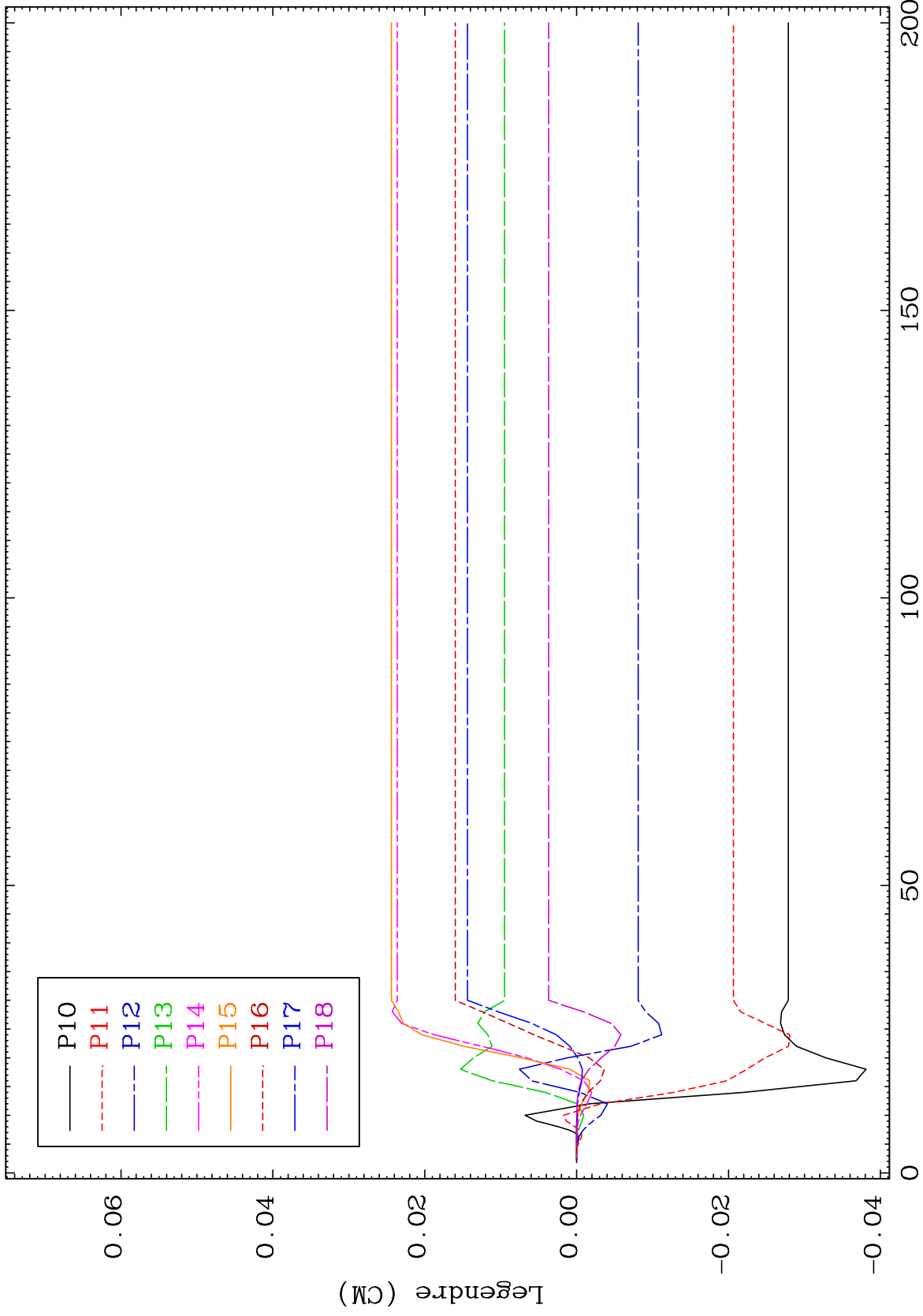


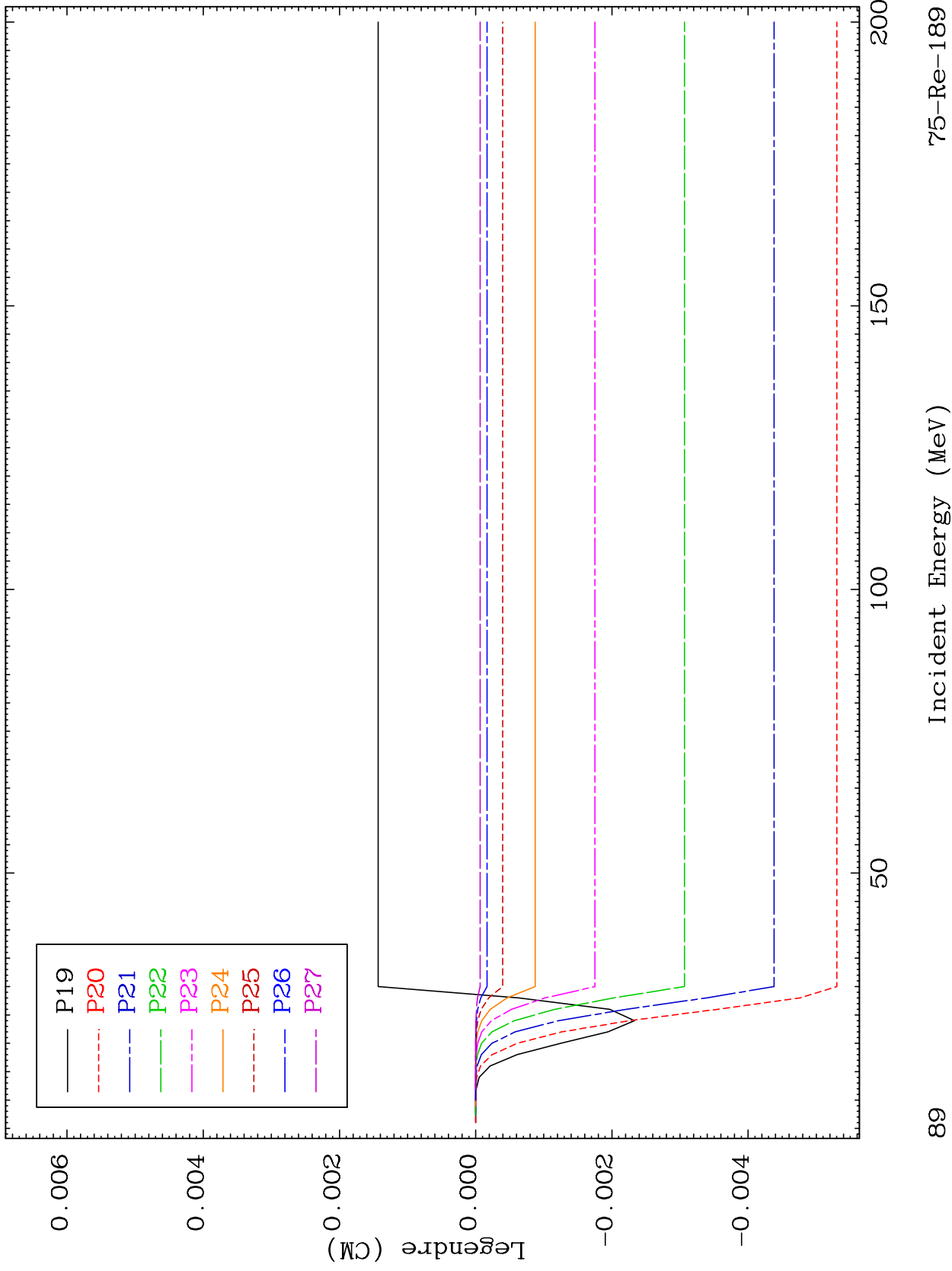
75-Re-189

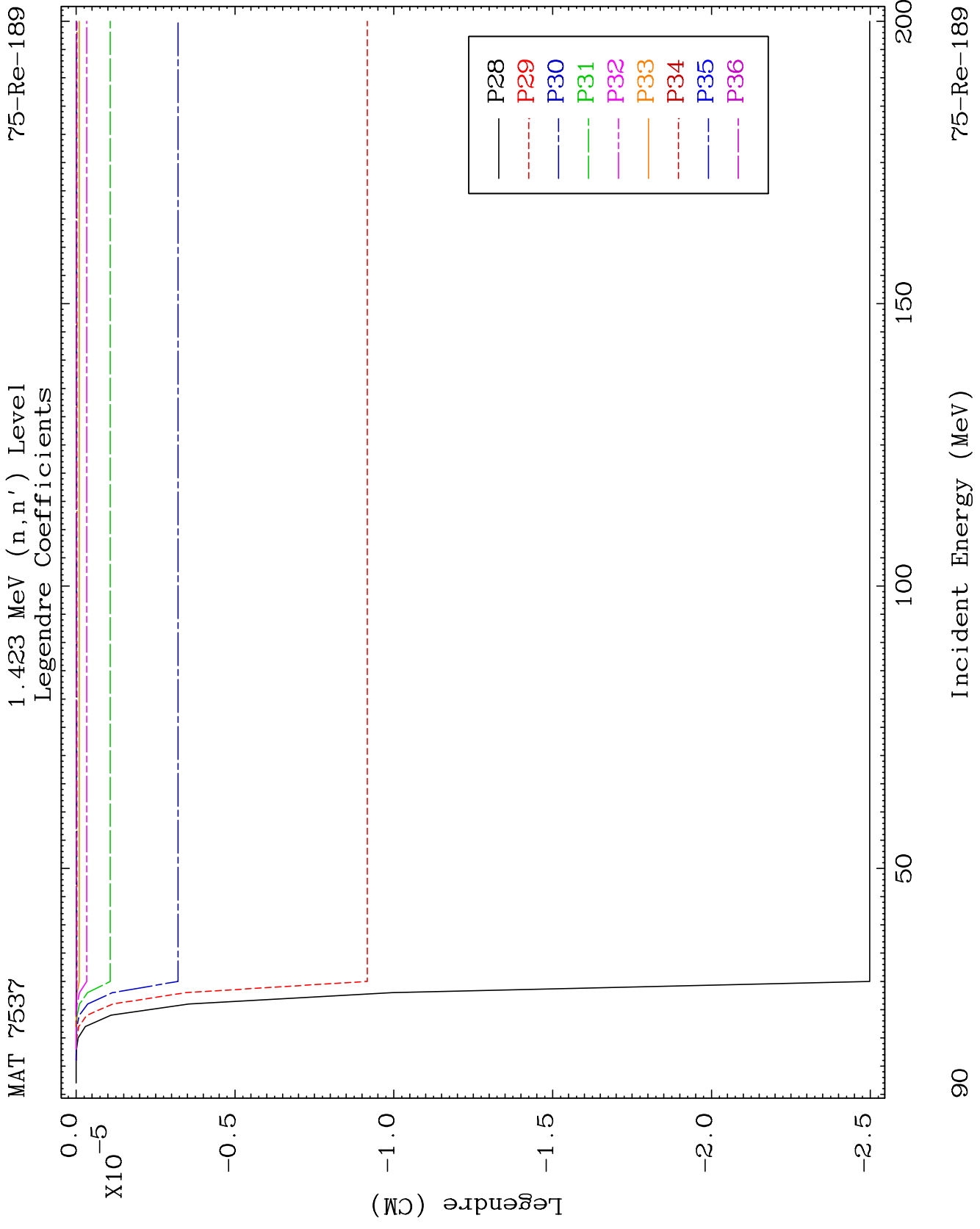
Incident Energy (MeV)

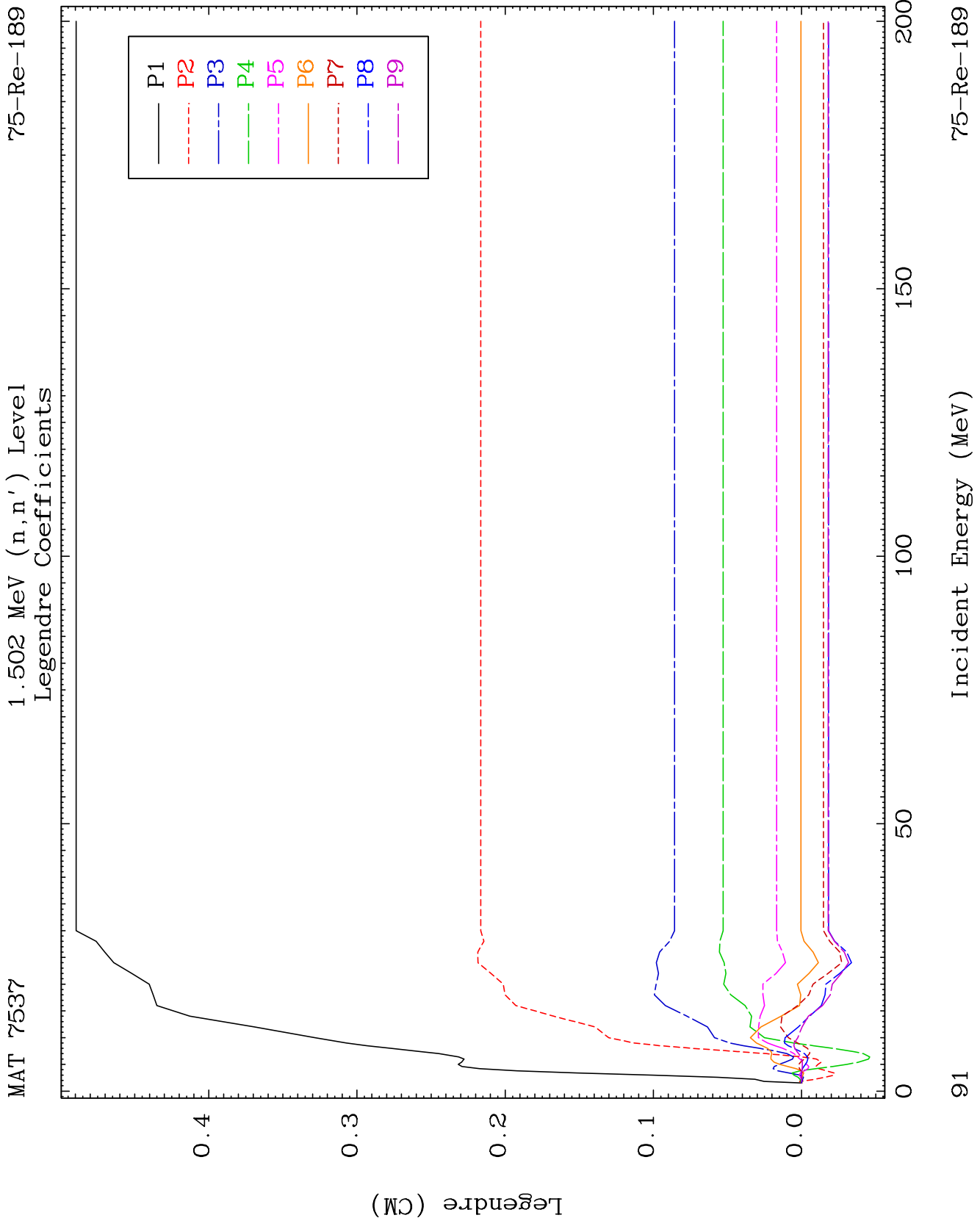
87

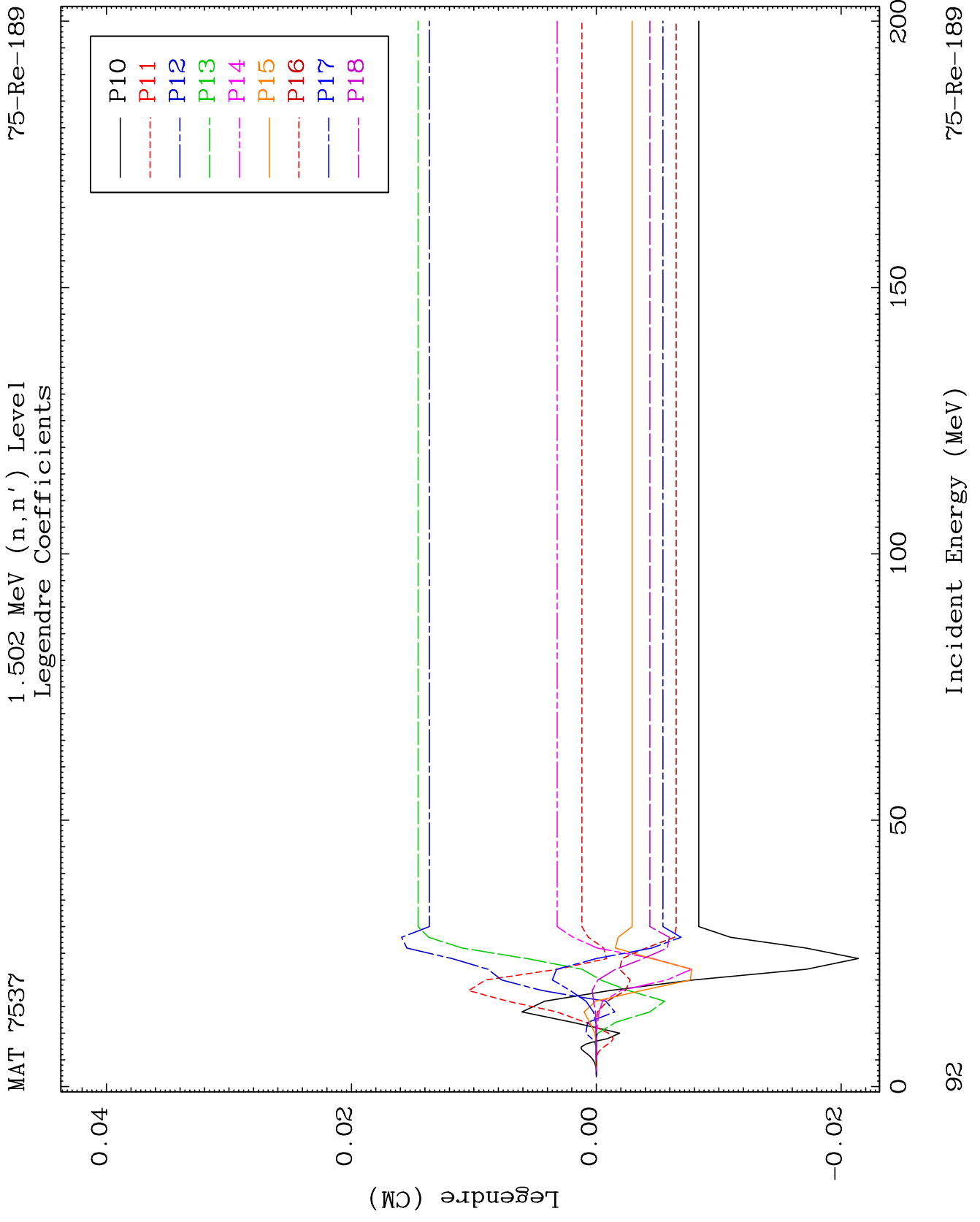


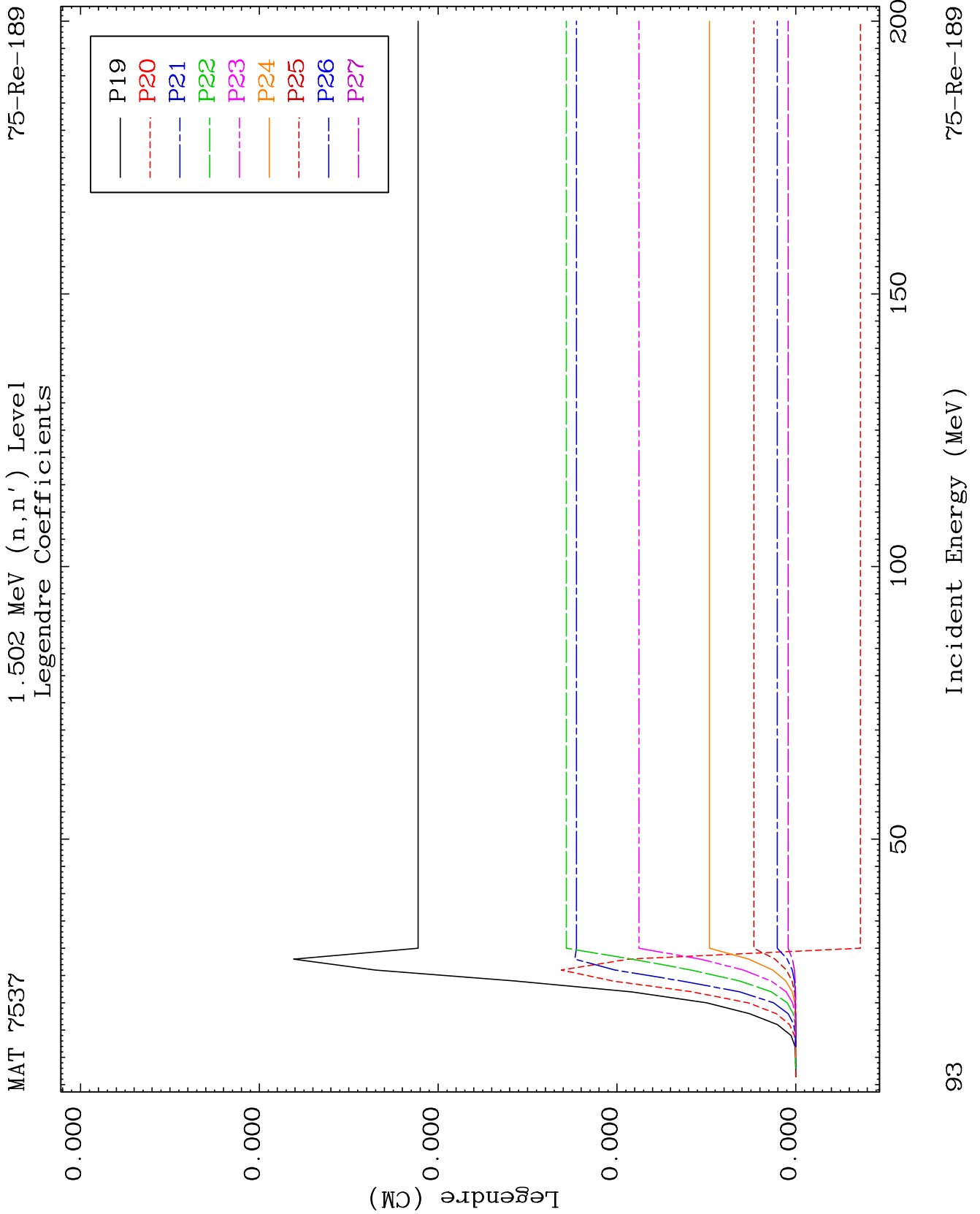


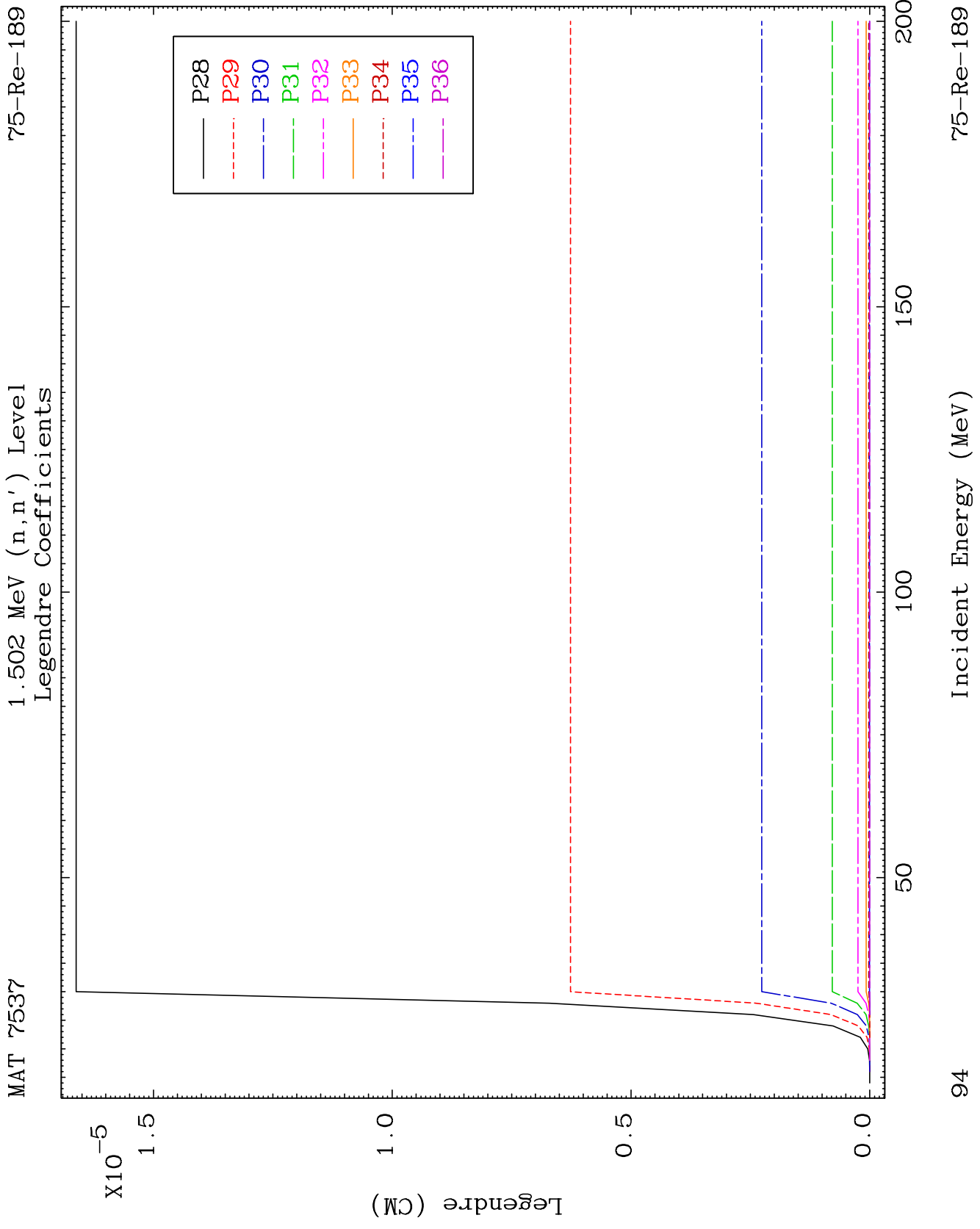






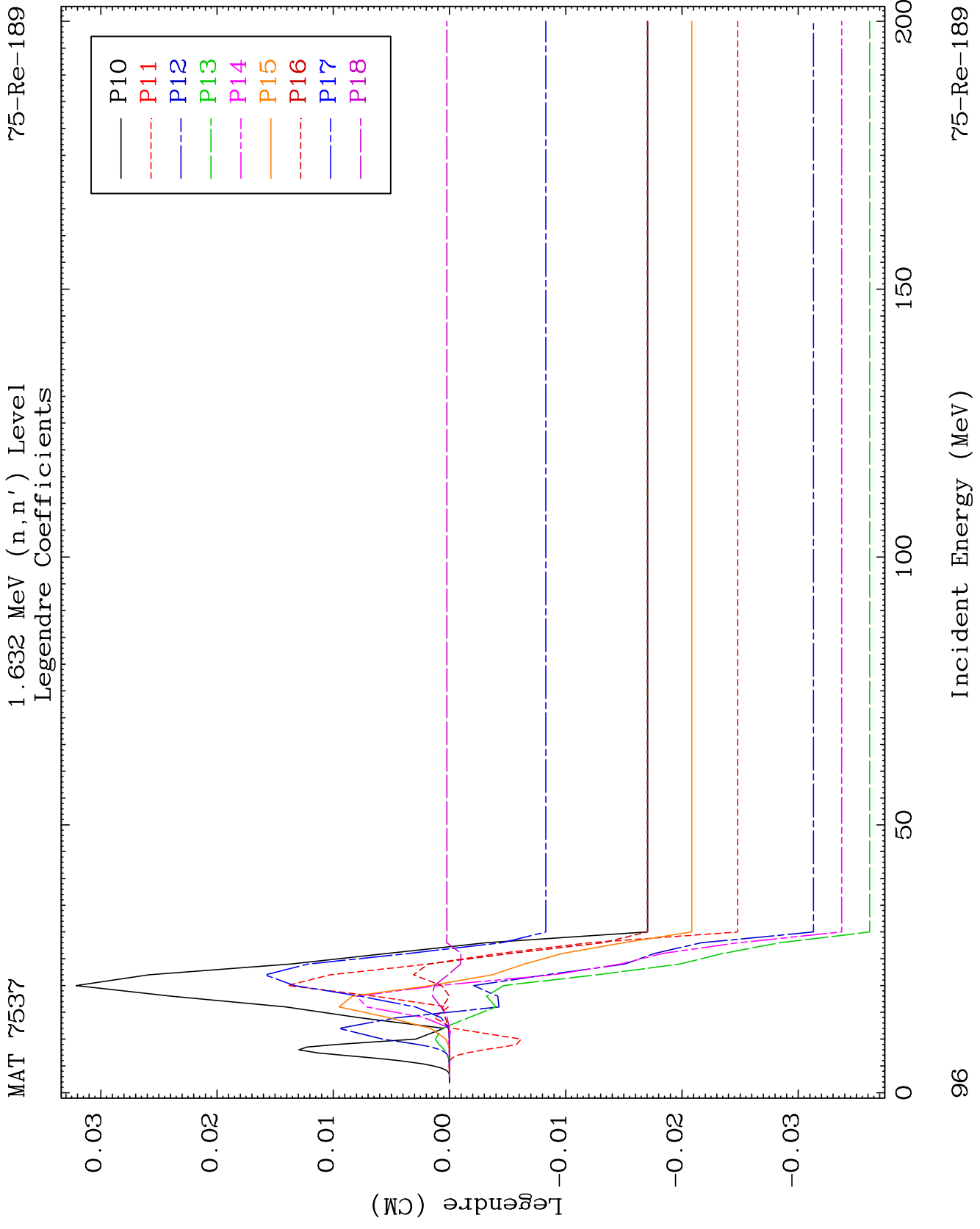


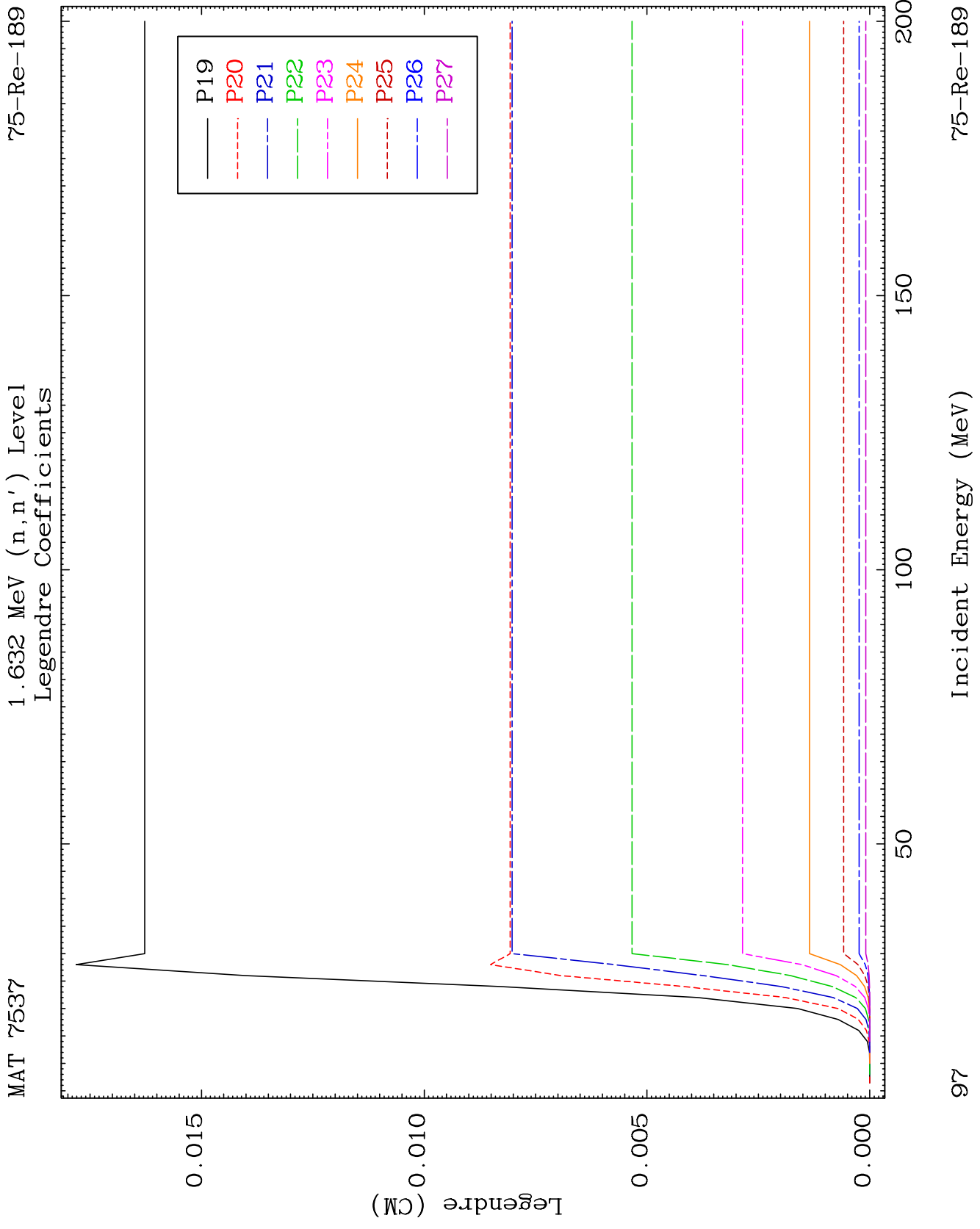








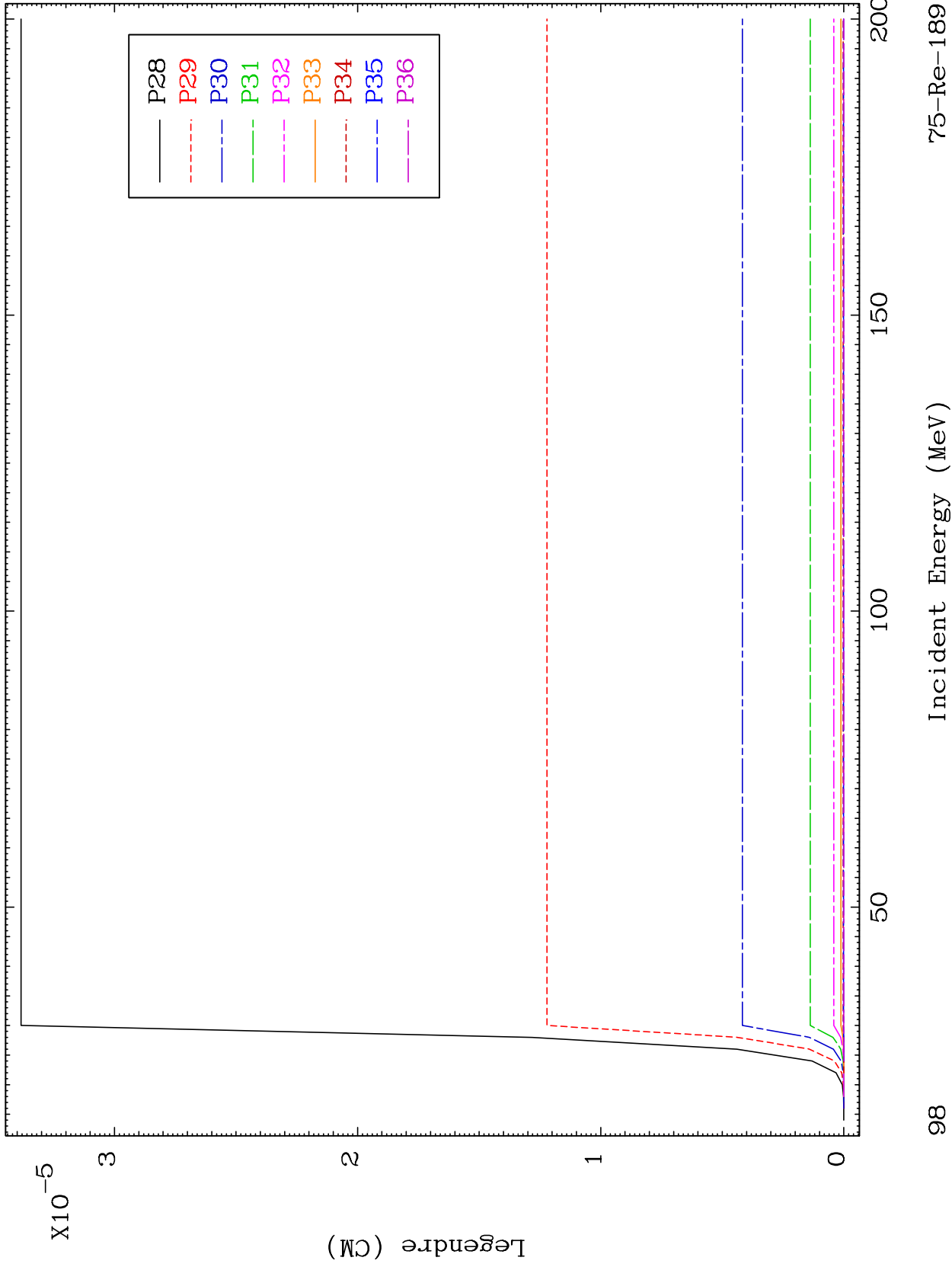




MAT 7537

1.632 MeV (n,n') Level  
Legendre Coefficients

75-Re-189

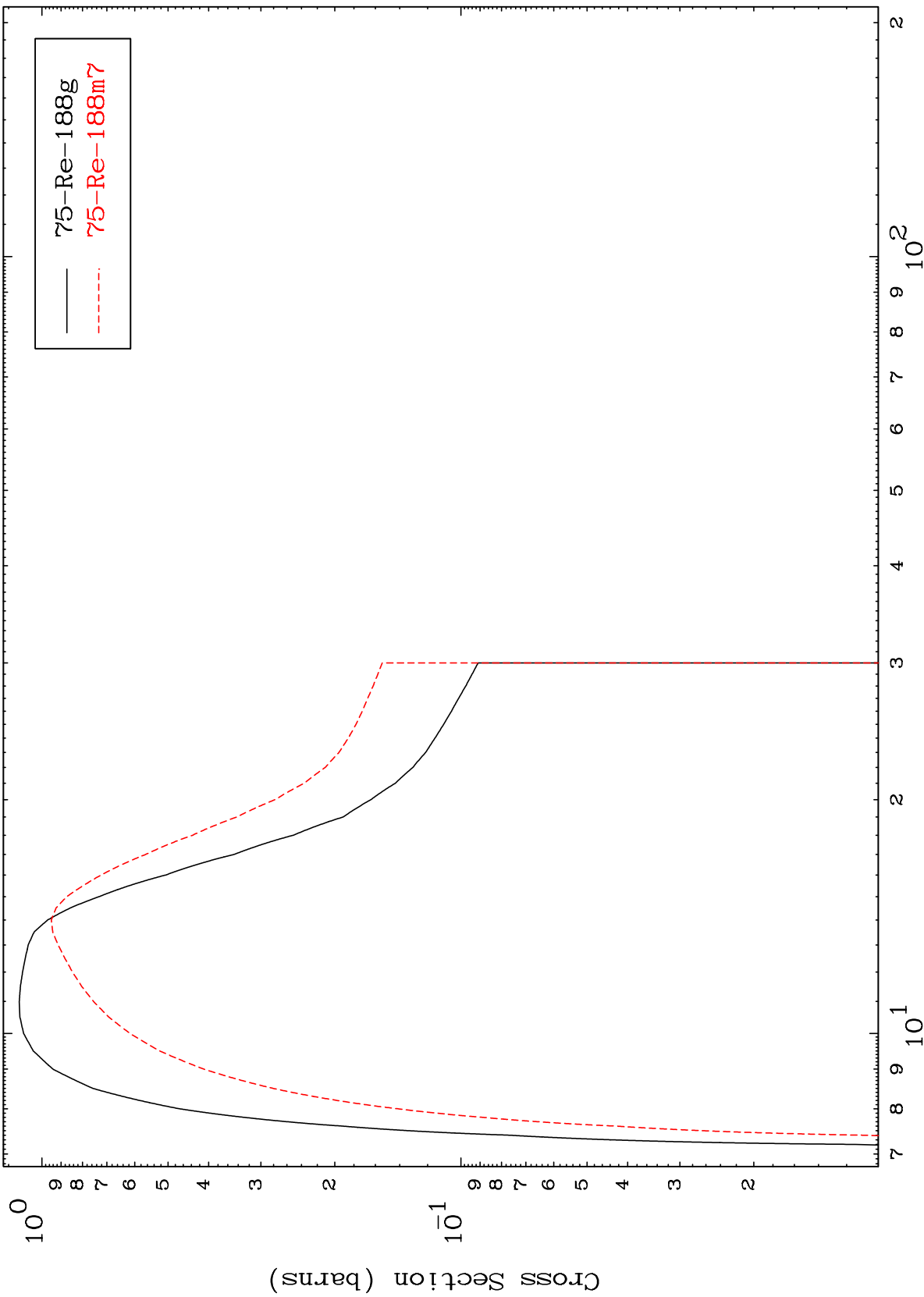


MAT 7537

75-Re-189

(n,2n)

Radionuclide Production Cross Section



99

Incident Energy (MeV)

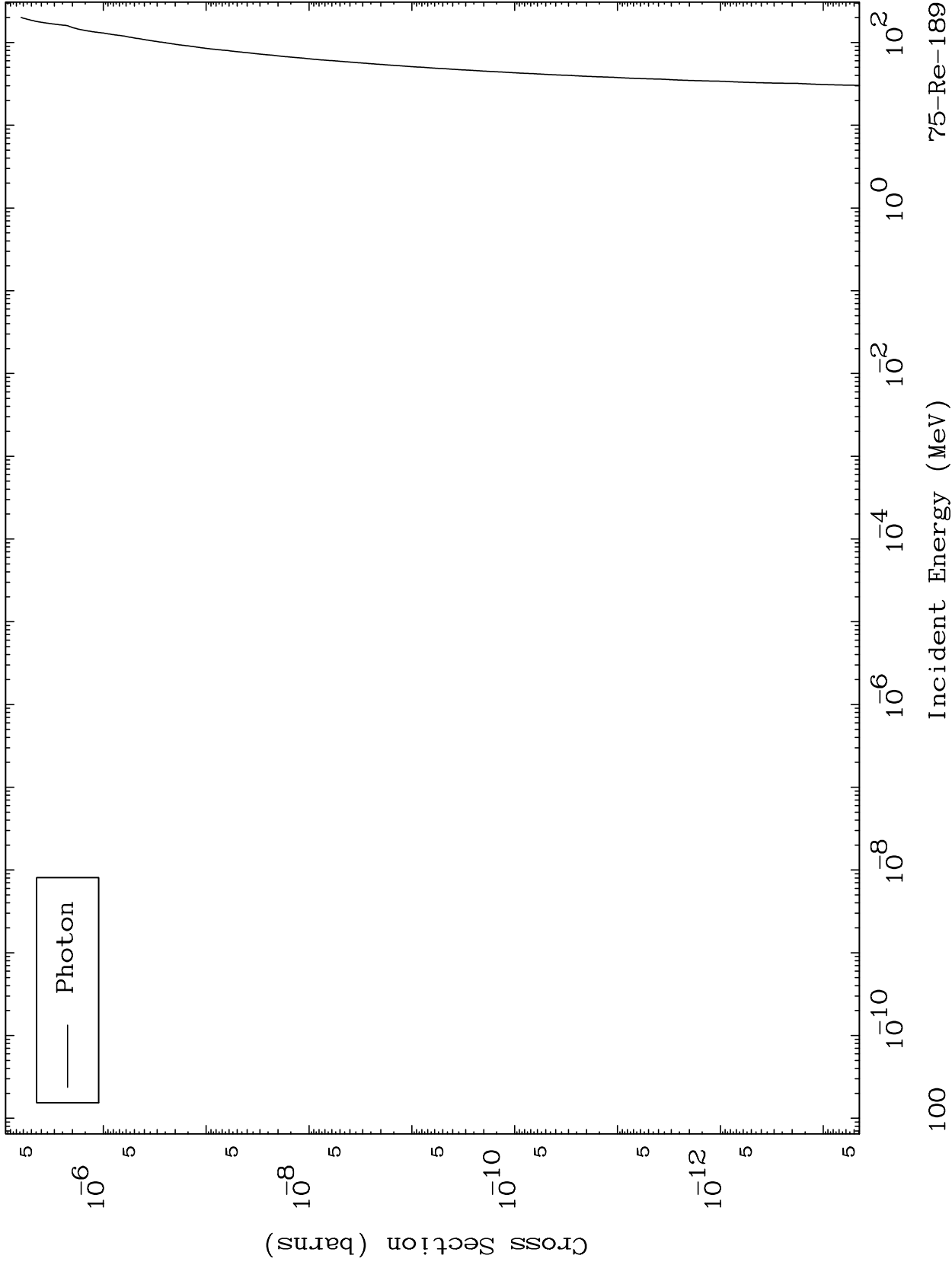
75-Re-189

MAT 7537

Fission

75-Re-189

Radionuclide Production Cross Section



100

Incident Energy (MeV)

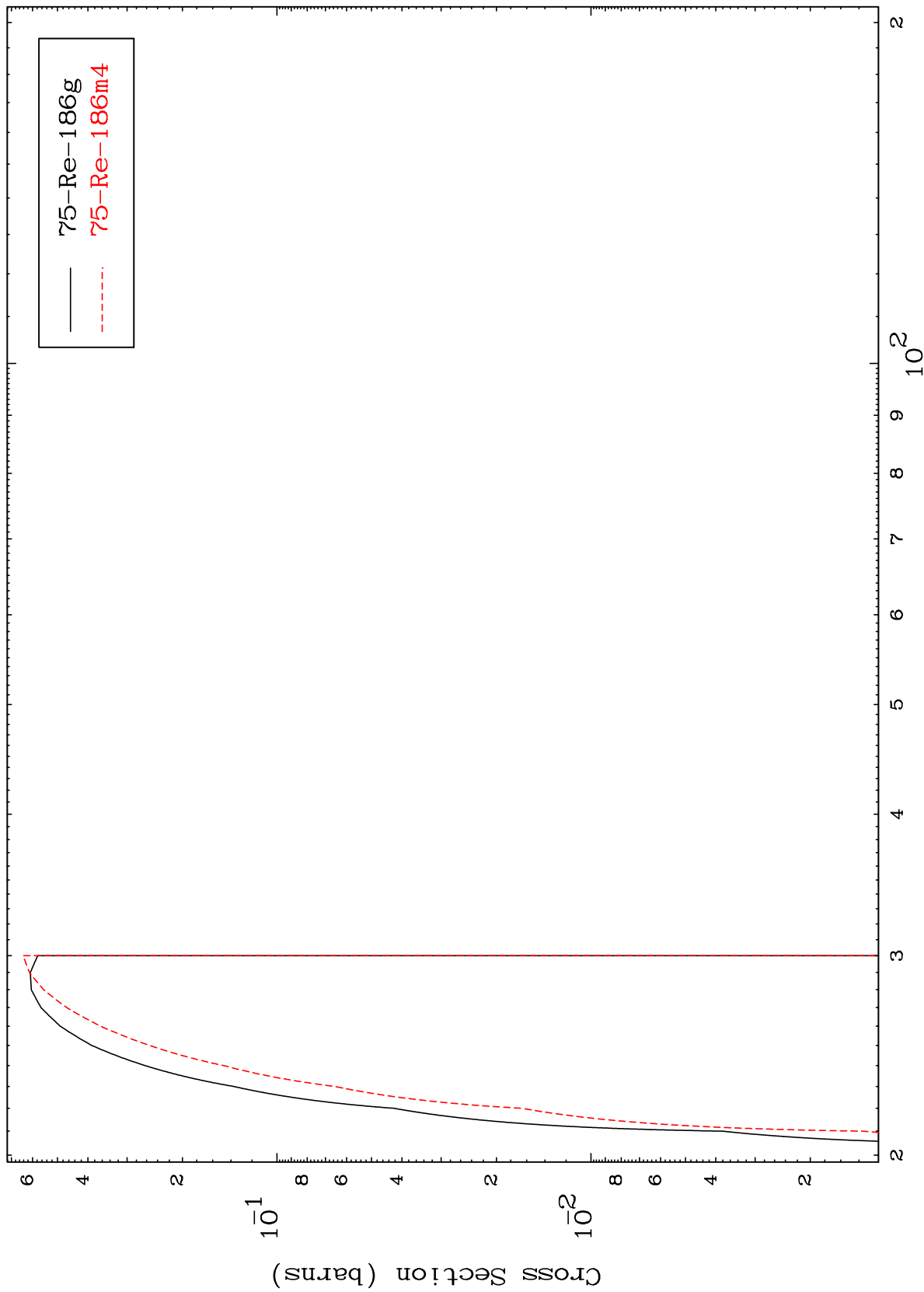
75-Re-189

MAT 7537

75-Re-189

(n,4n)

Radionuclide Production Cross Section



101

Incident Energy (MeV)

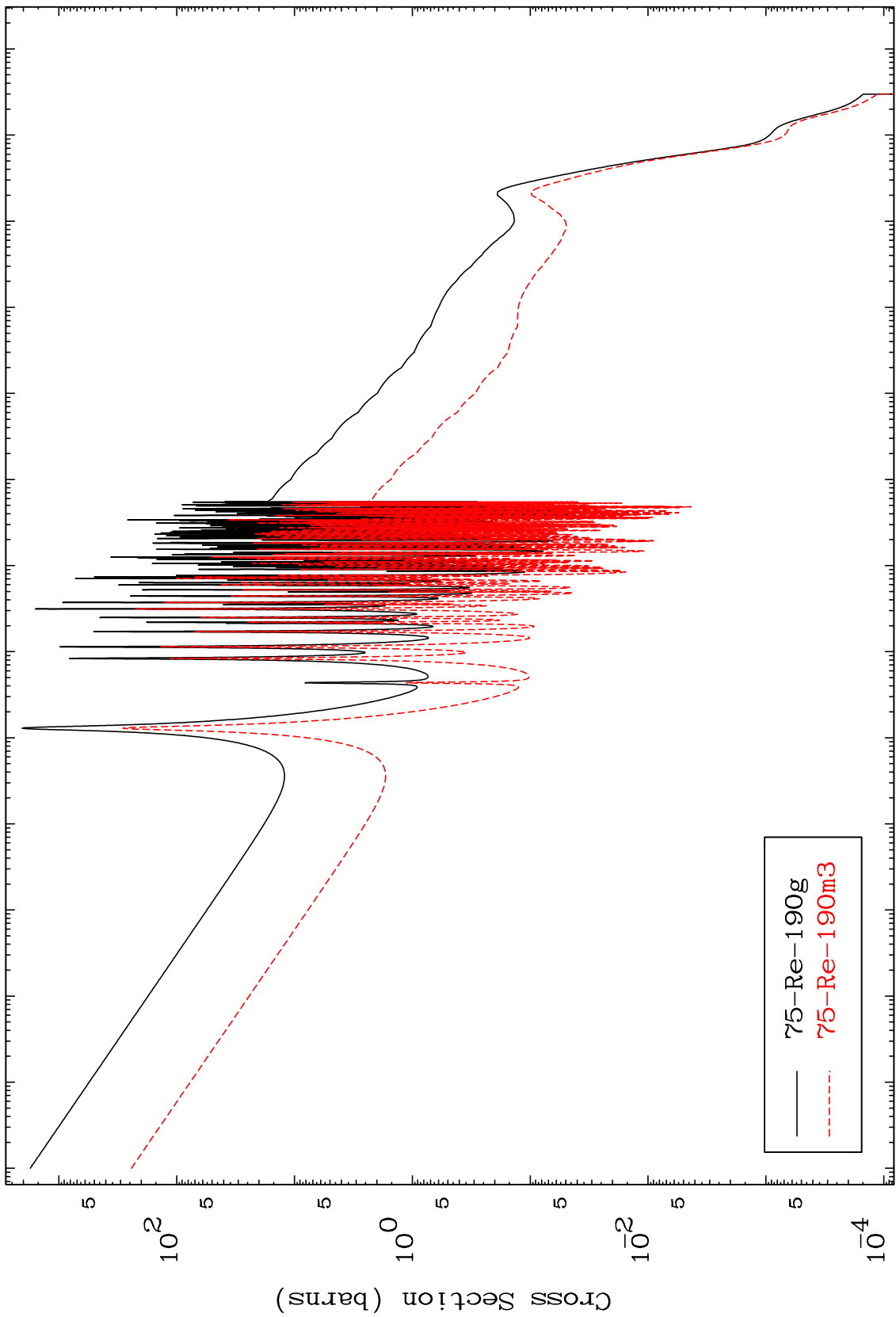
75-Re-189

MAT 7537

75-Re-189

Radionuclide Production Cross Section

(n,  $\gamma$ )



— 75-Re-190g  
- - - 75-Re-190m3

75-Re-189

Incident Energy (MeV)

102