

Program EVALPLOT  
(Version 2015-2)

by

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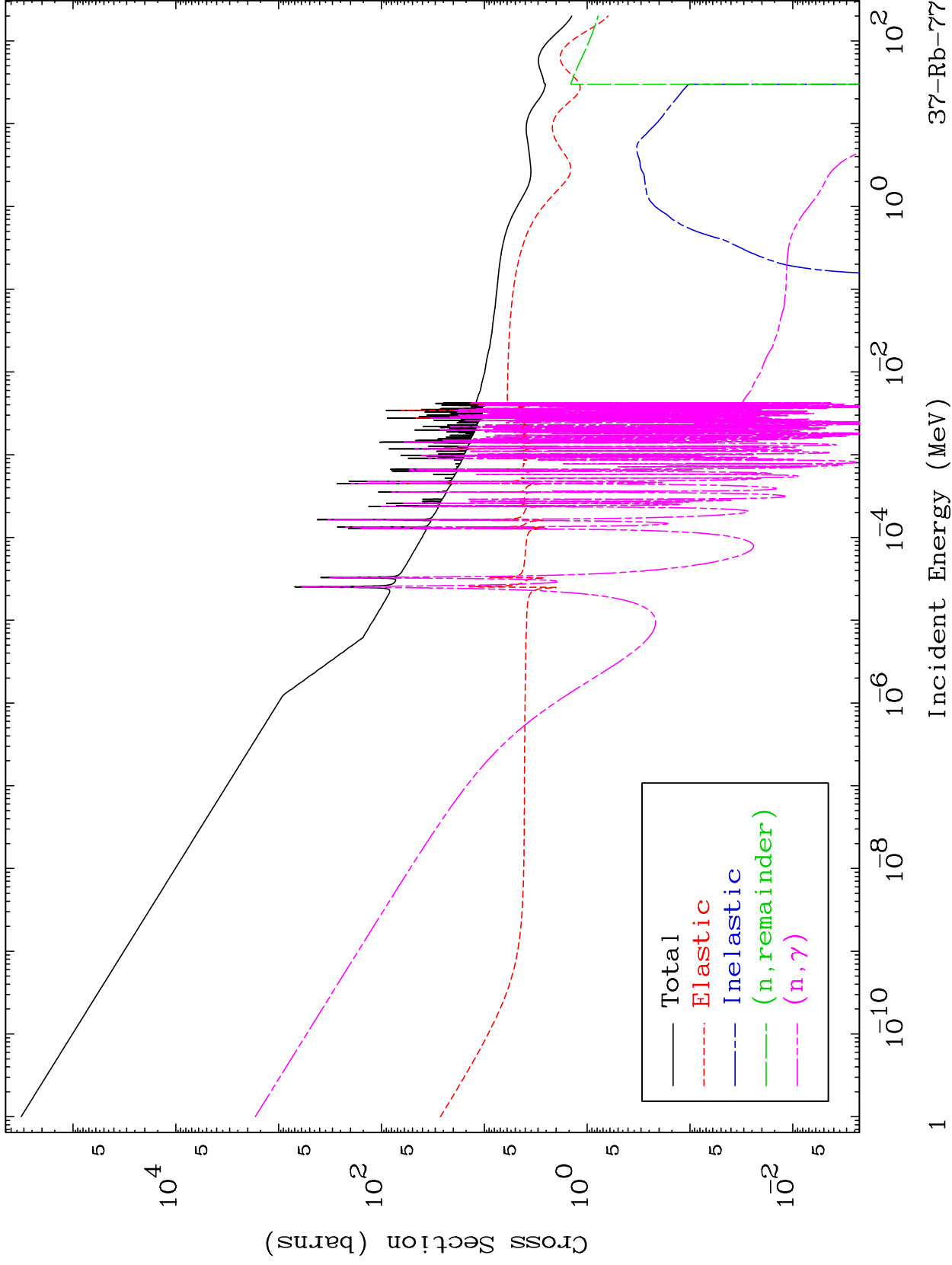
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 3701

Major  
293 Kelvin Cross Sections

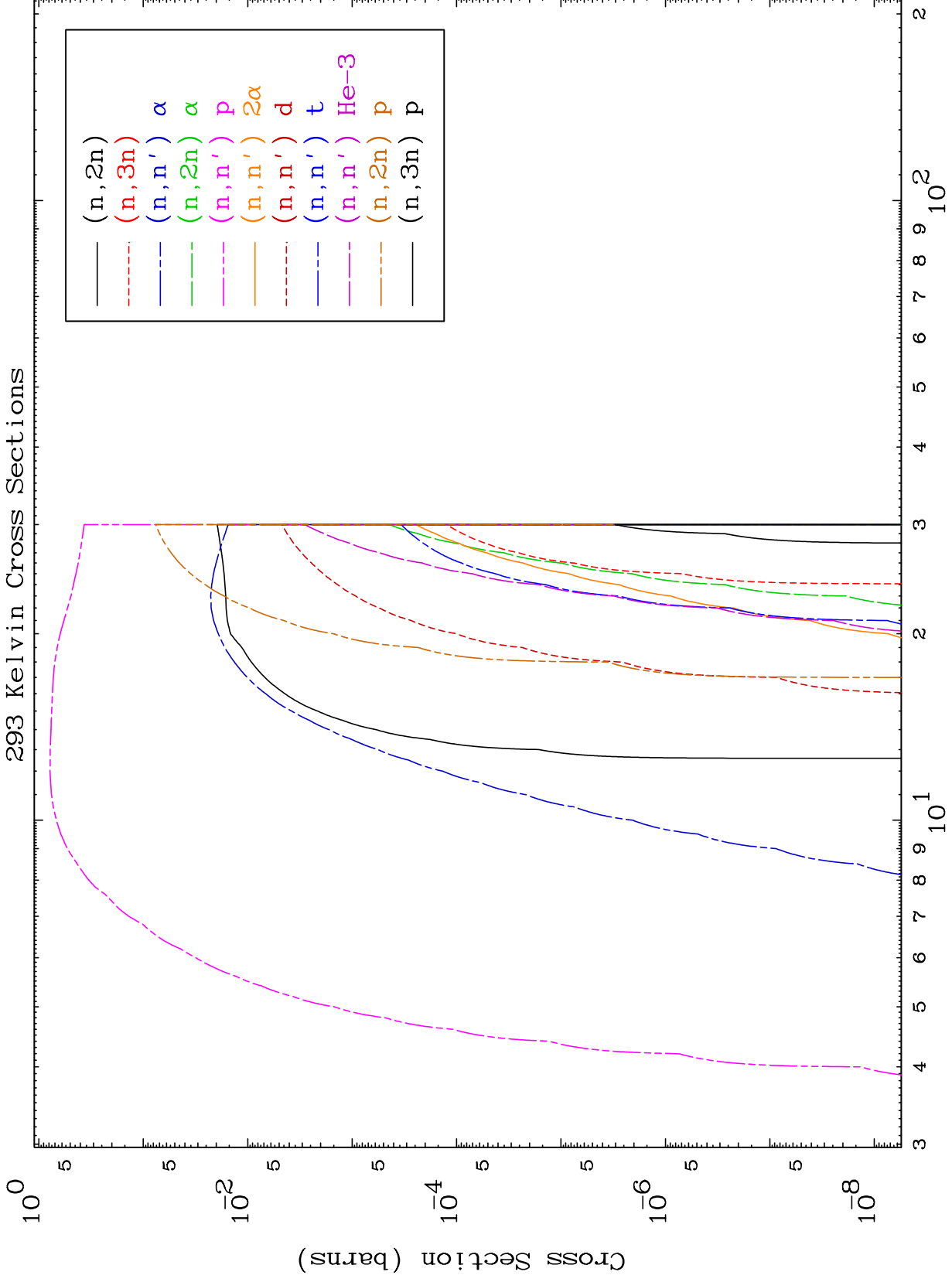
37-Rb-77



MAT 3701

Neutron Production  
293 Kelvin Cross Sections

37-Rb-77



37-Rb-77

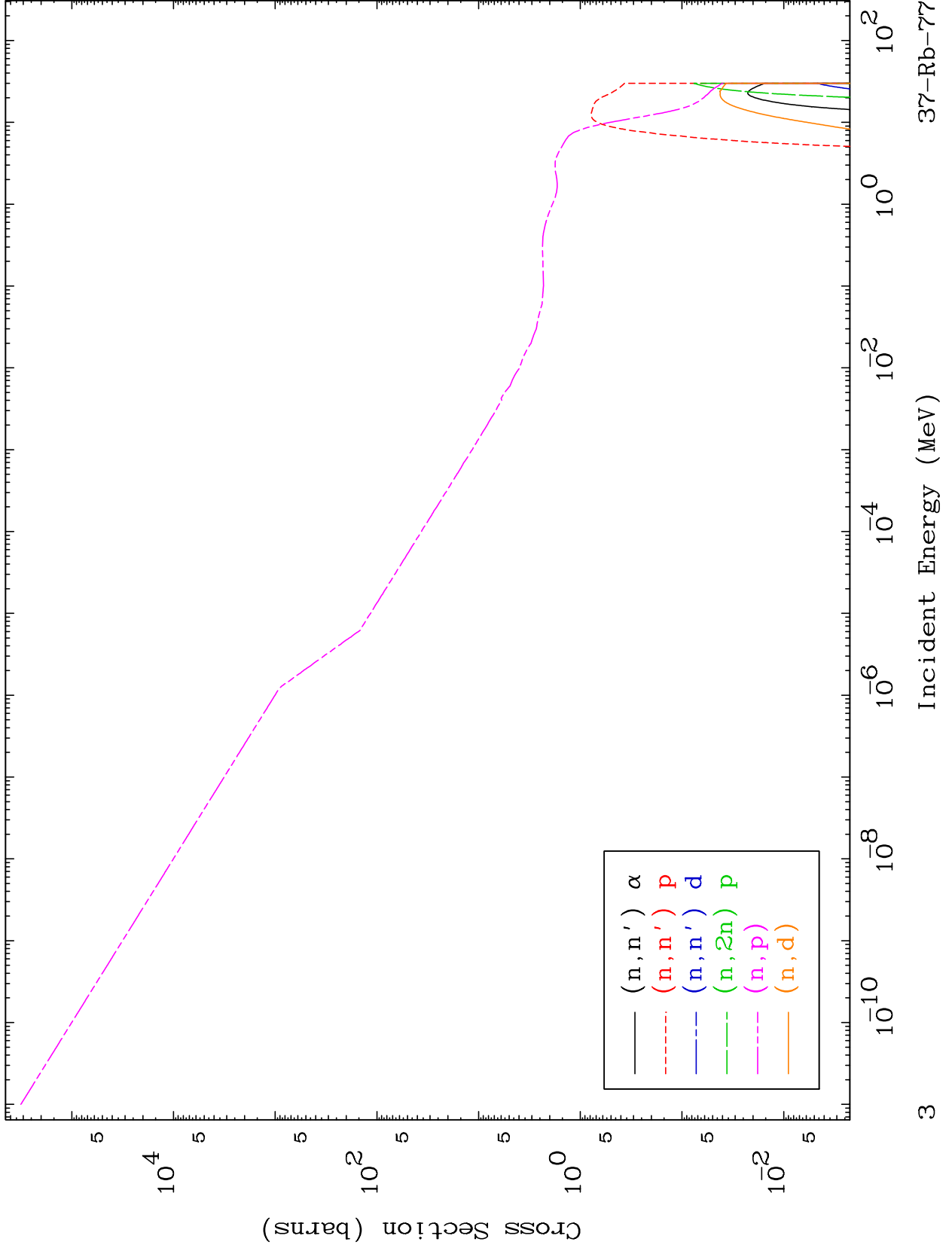
Incident Energy (MeV)

2

MAT 3701

Charged Particle  
293 Kelvin Cross Sections

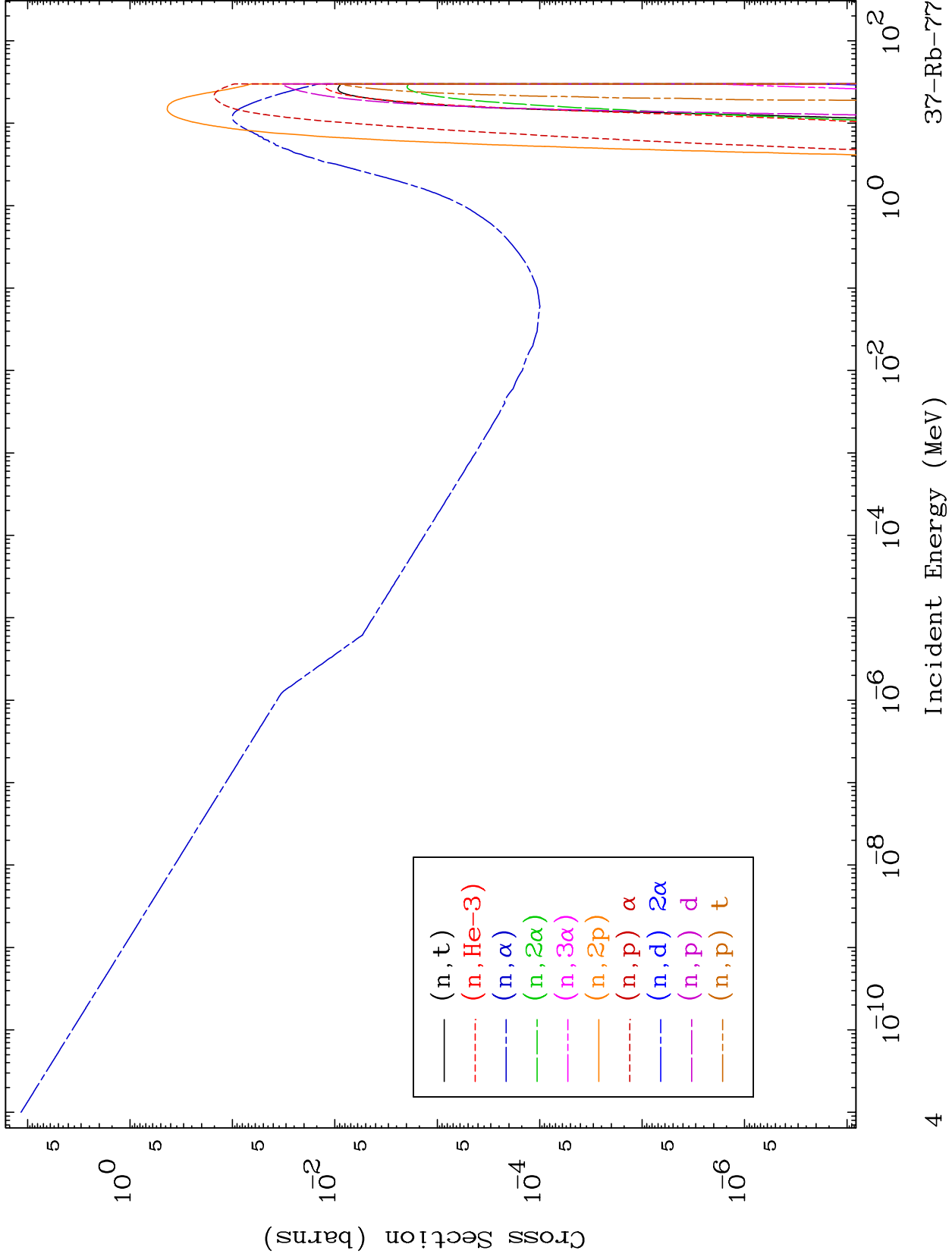
37-Rb-77



MAT 3701

Charged Particle  
293 Kelvin Cross Sections

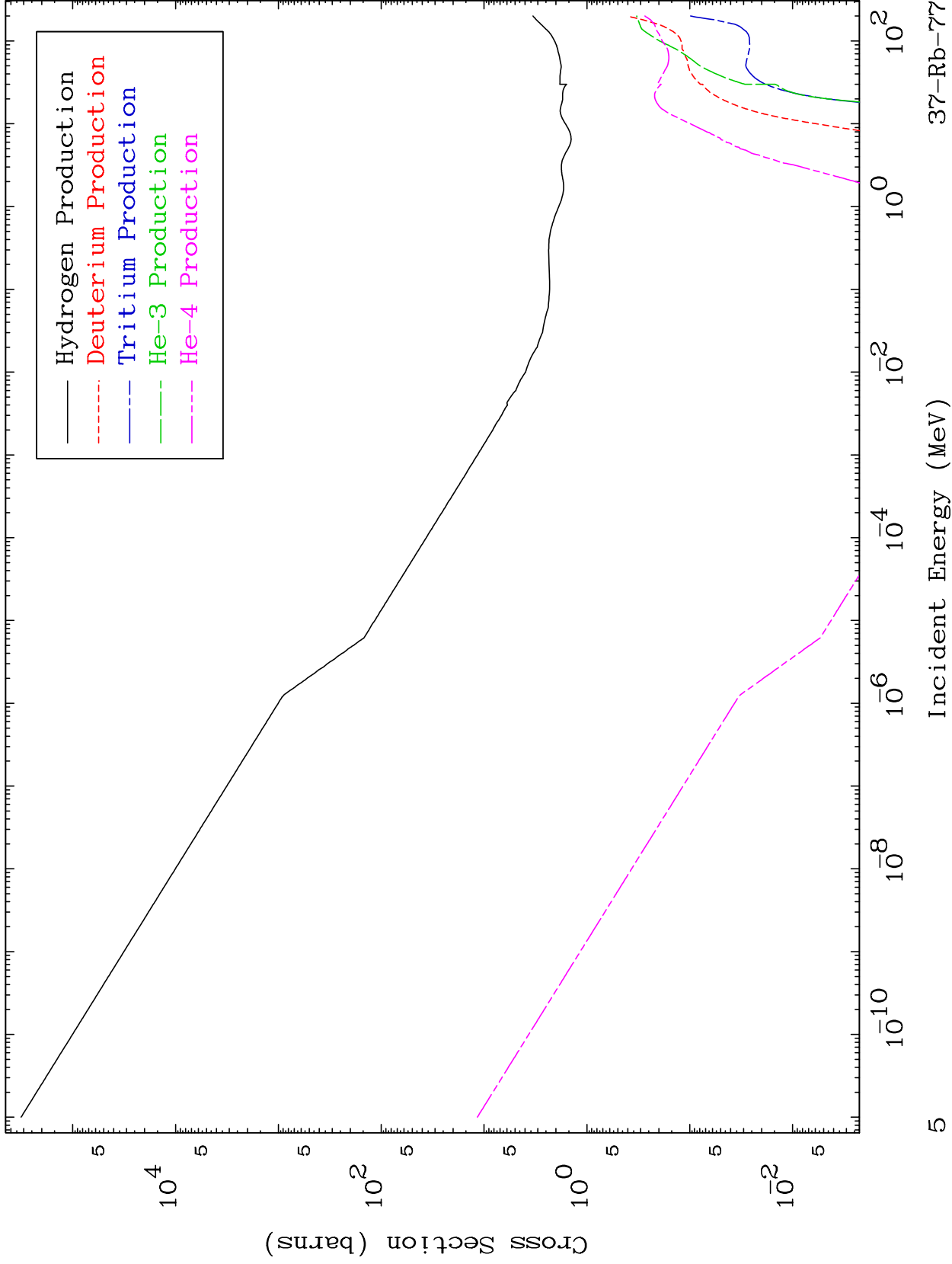
37-Rb-77



MAT 3701

Particle Production  
293 Kelvin Cross Sections

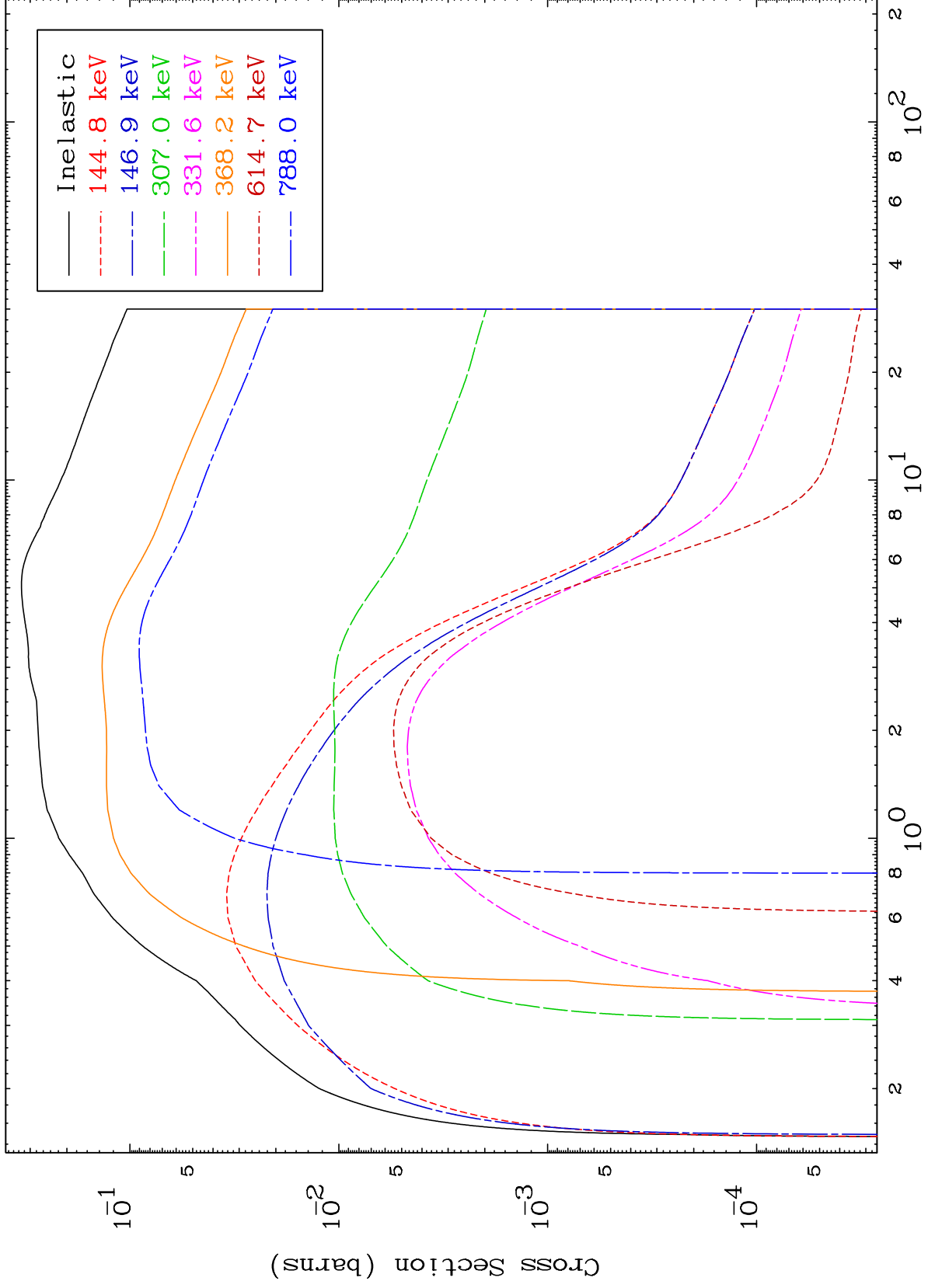
37-Rb-77



MAT 3701

(n,n') Level  
293 Kelvin Cross Sections

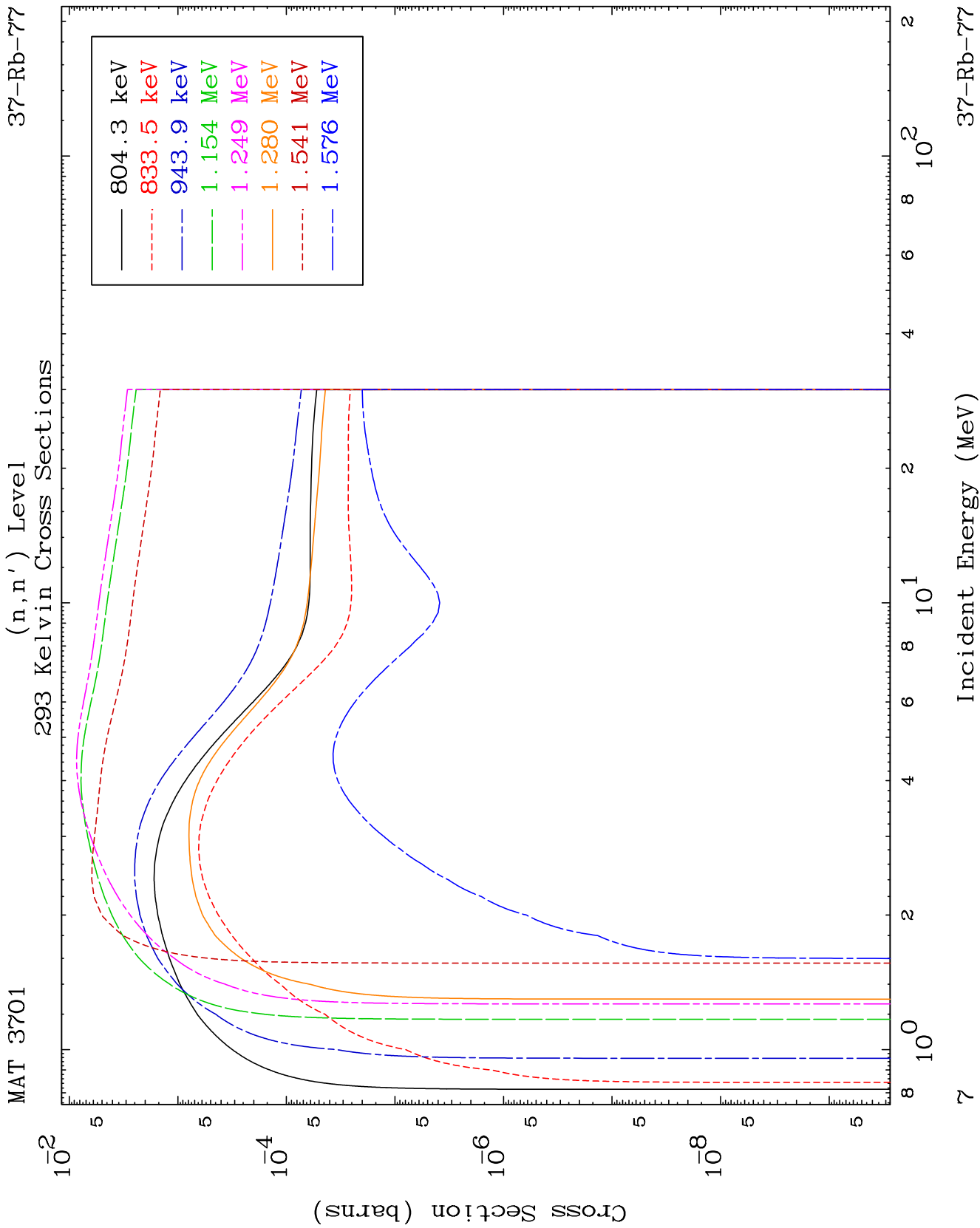
37-Rb-77



6

Incident Energy (MeV)

37-Rb-77

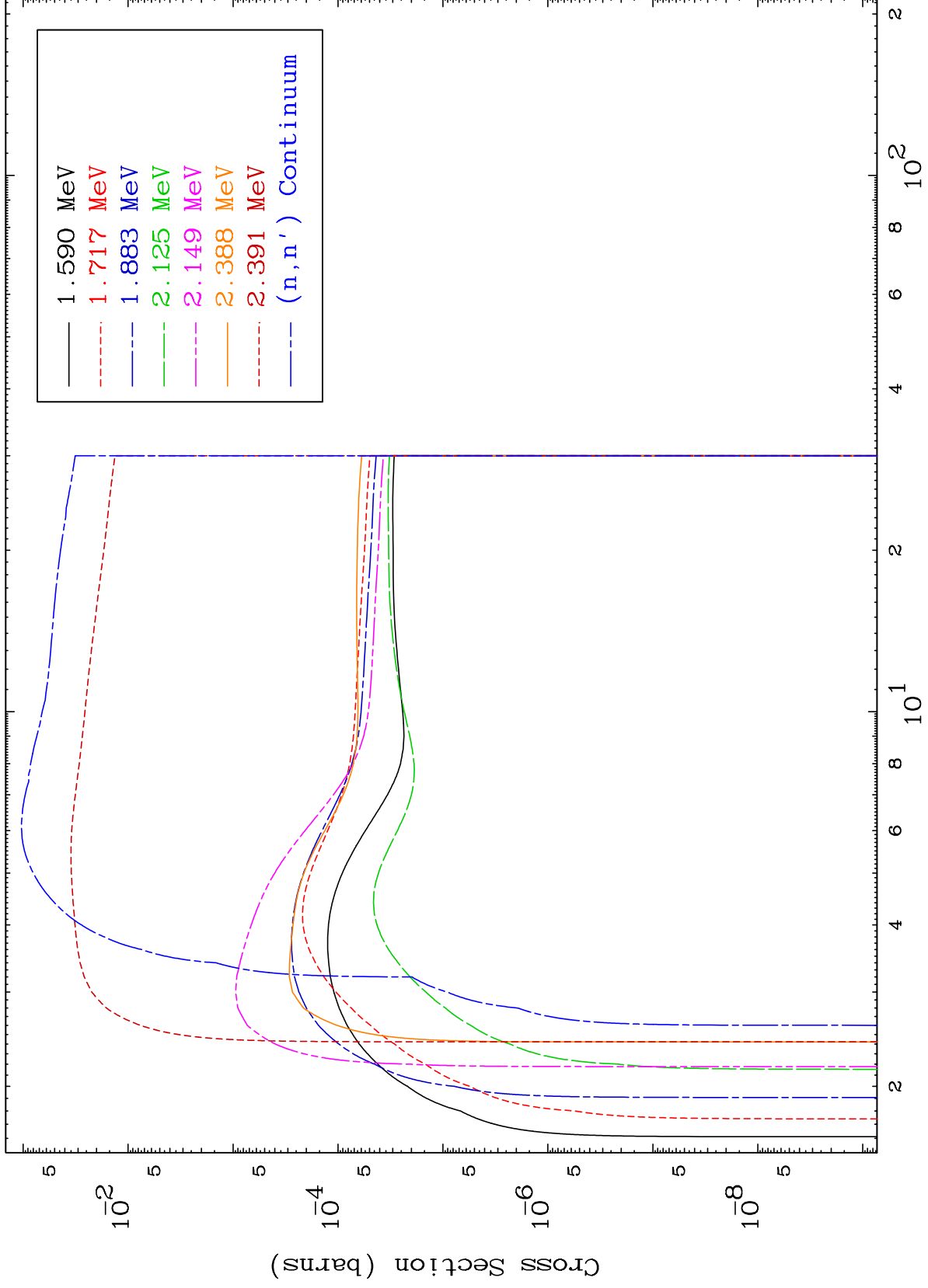




MAT 3701

(n,n') Level  
293 Kelvin Cross Sections

37-Rb-77



8

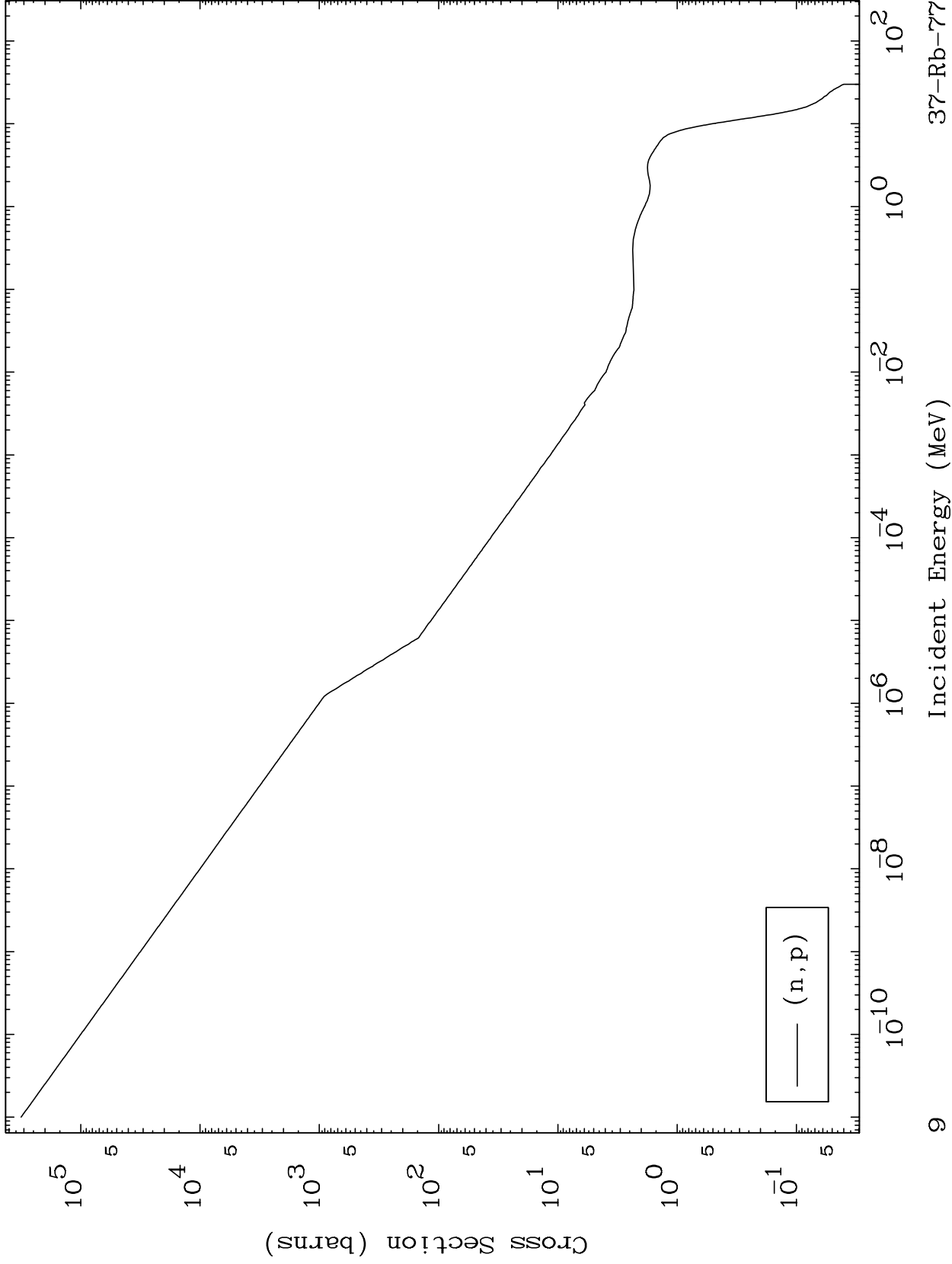
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n,p) Levels  
293 Kelvin Cross Sections

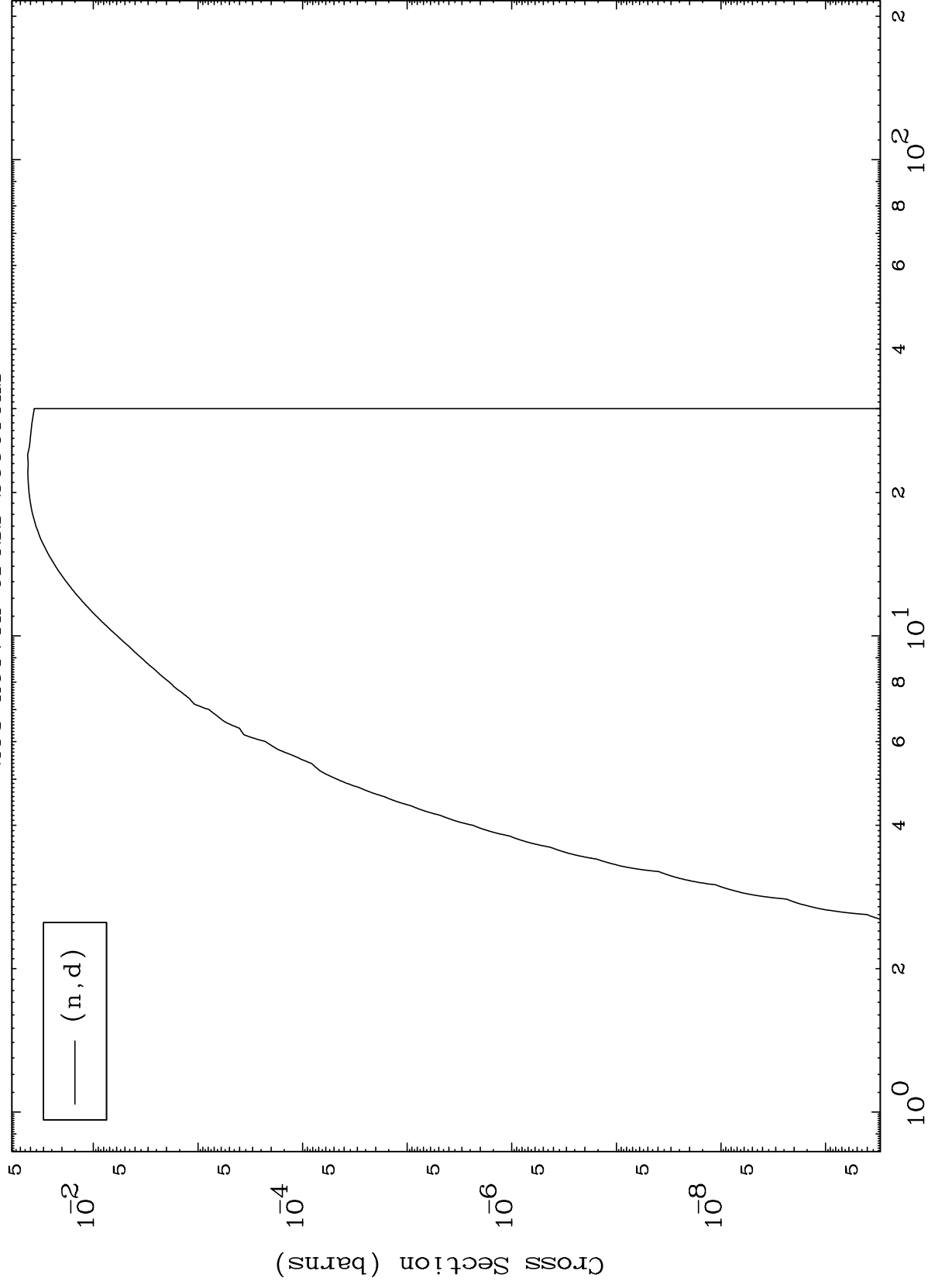
37-Rb-77



MAT 3701

(n,d) Levels  
293 Kelvin Cross Sections

37-Rb-77



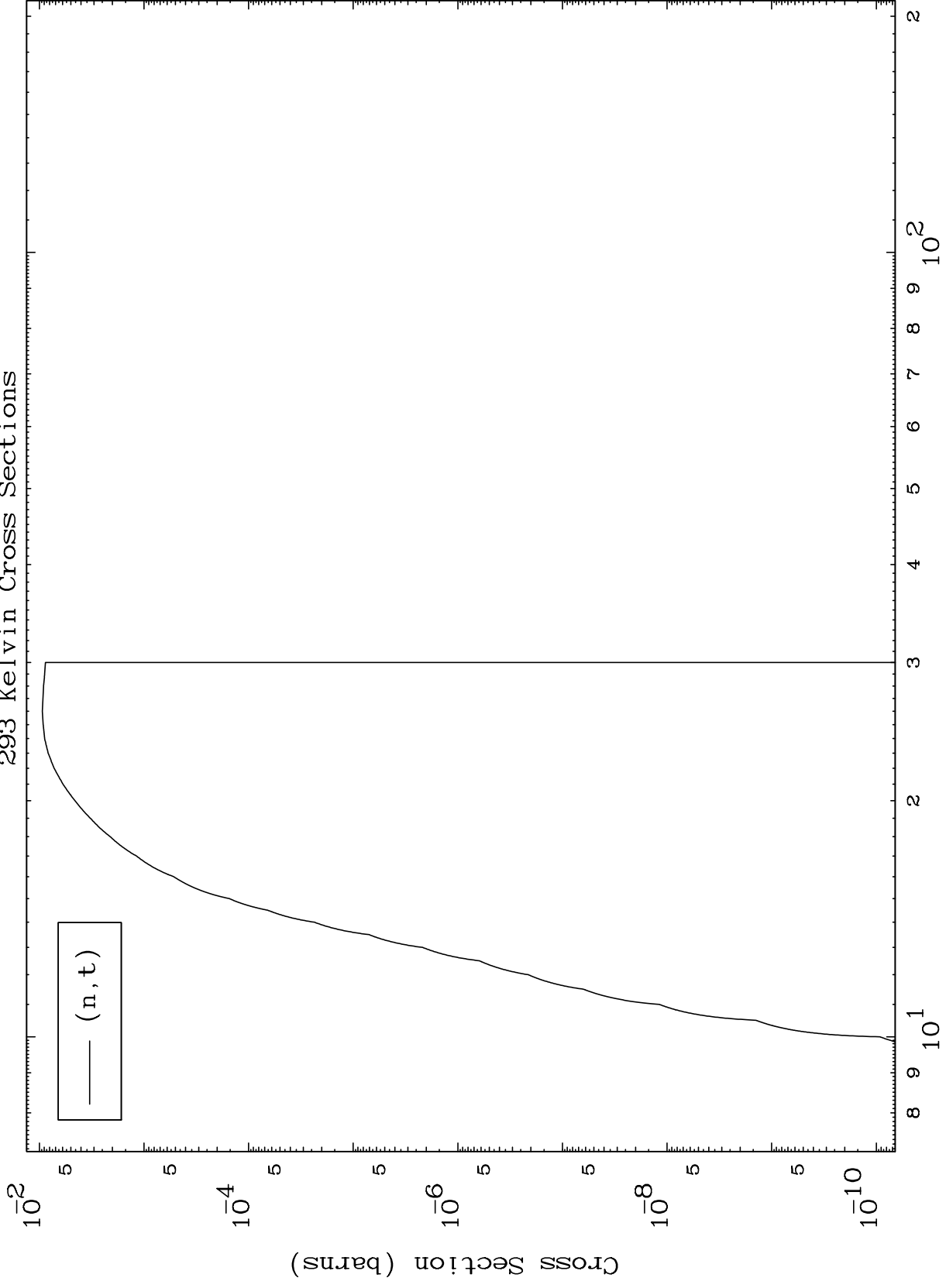
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n,t) Levels  
293 Kelvin Cross Sections

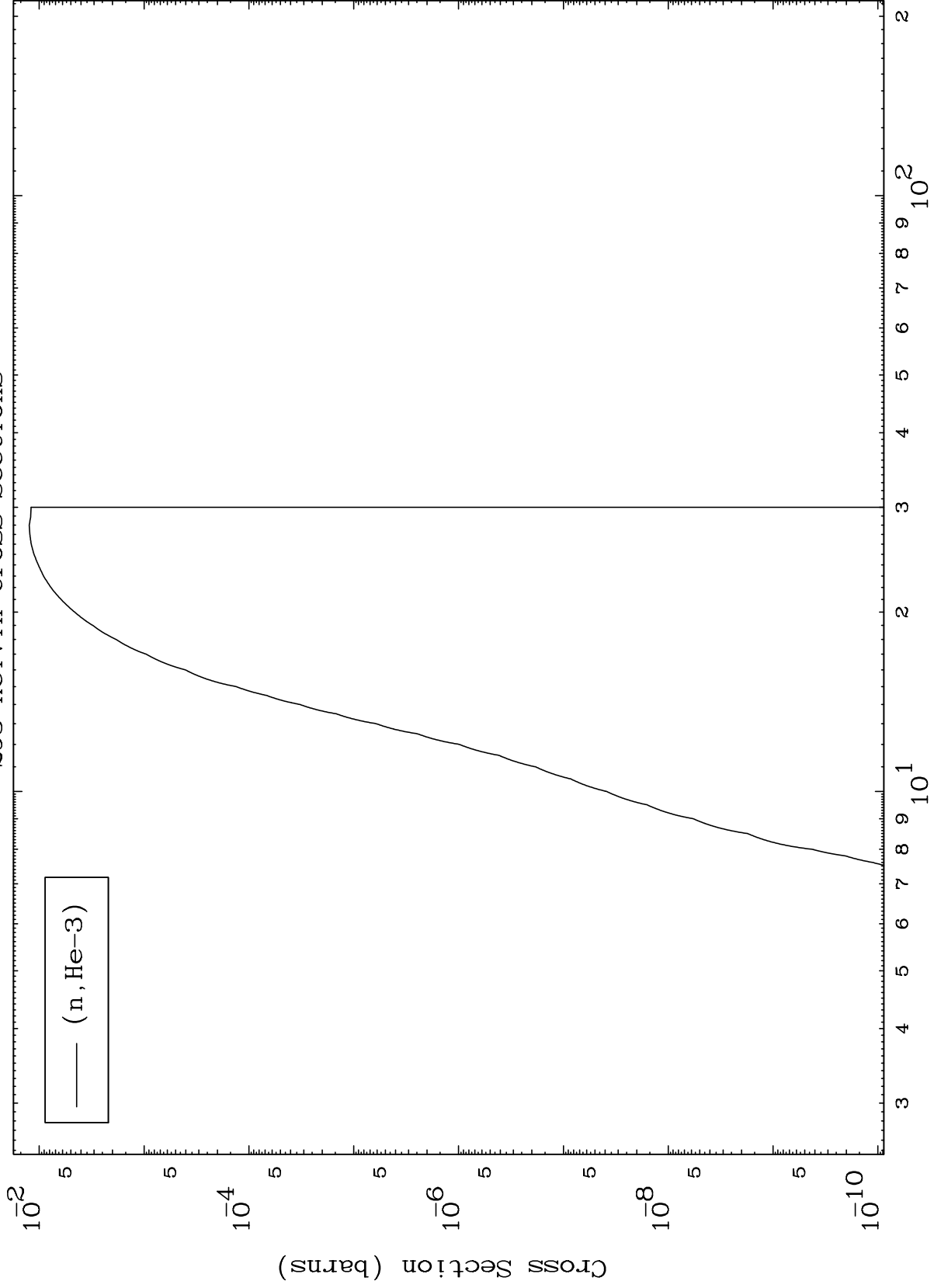
37-Rb-77



MAT 3701

(n,He3) Levels  
293 Kelvin Cross Sections

37-Rb-77



12

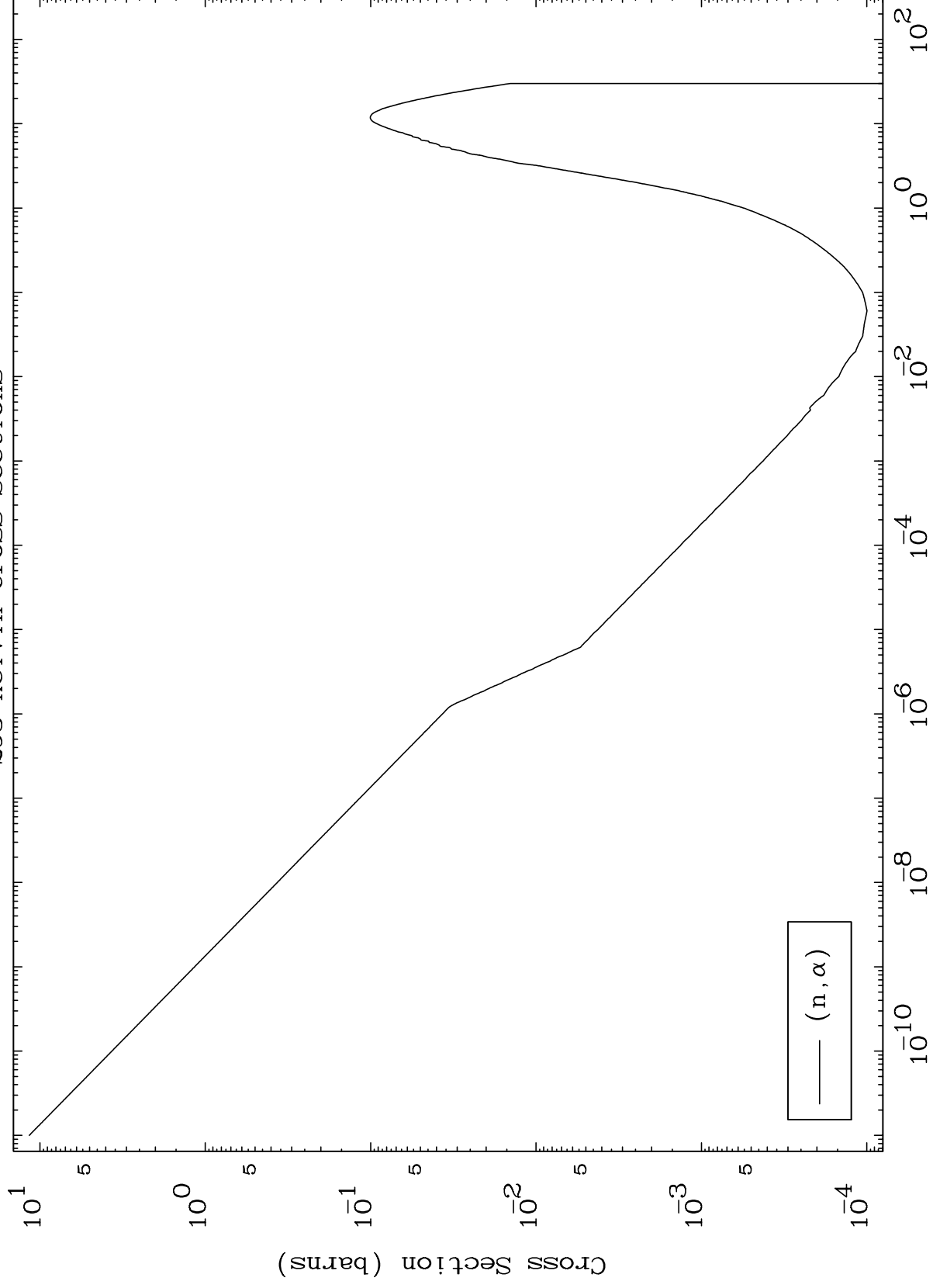
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

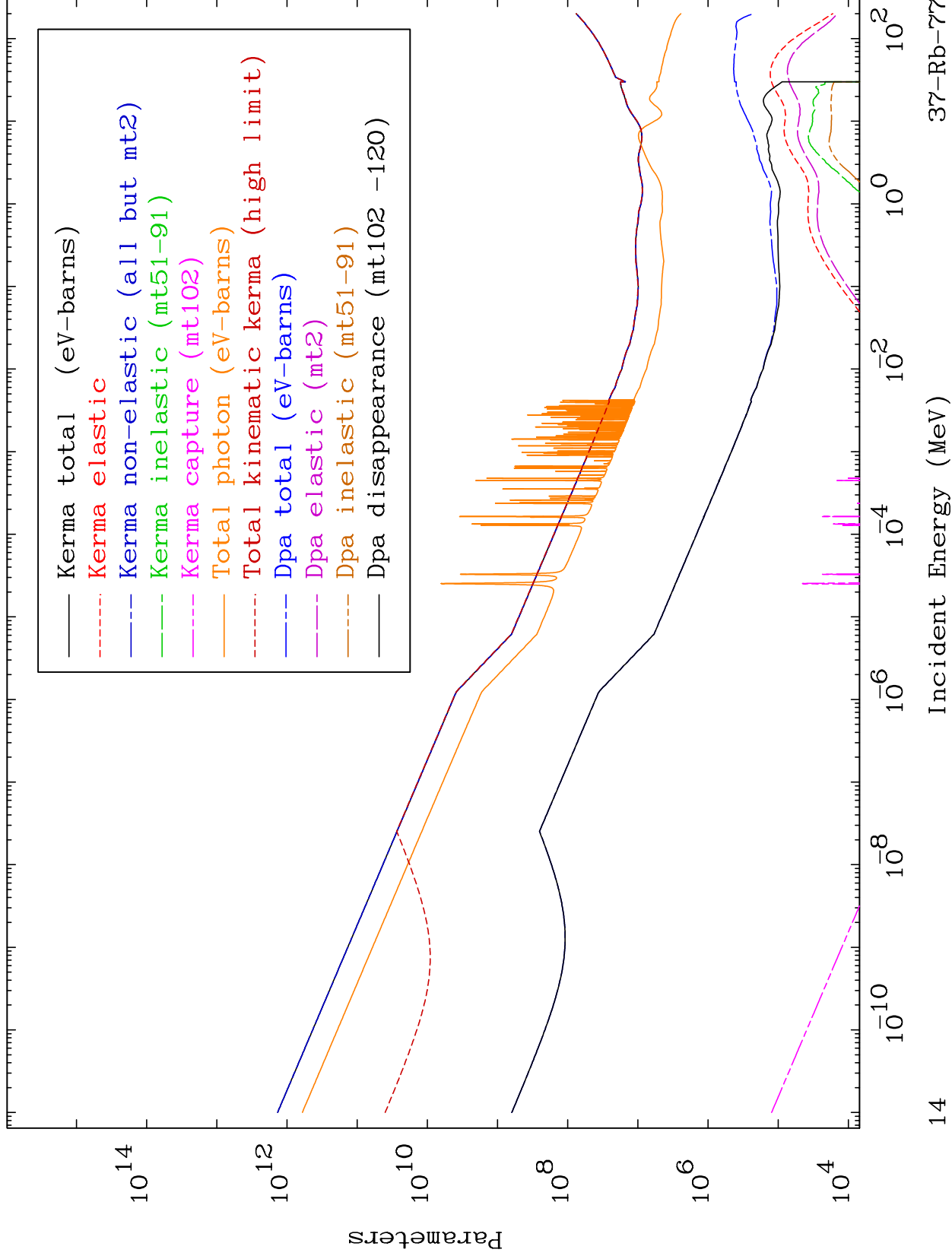
37-Rb-77



13

Incident Energy (MeV)

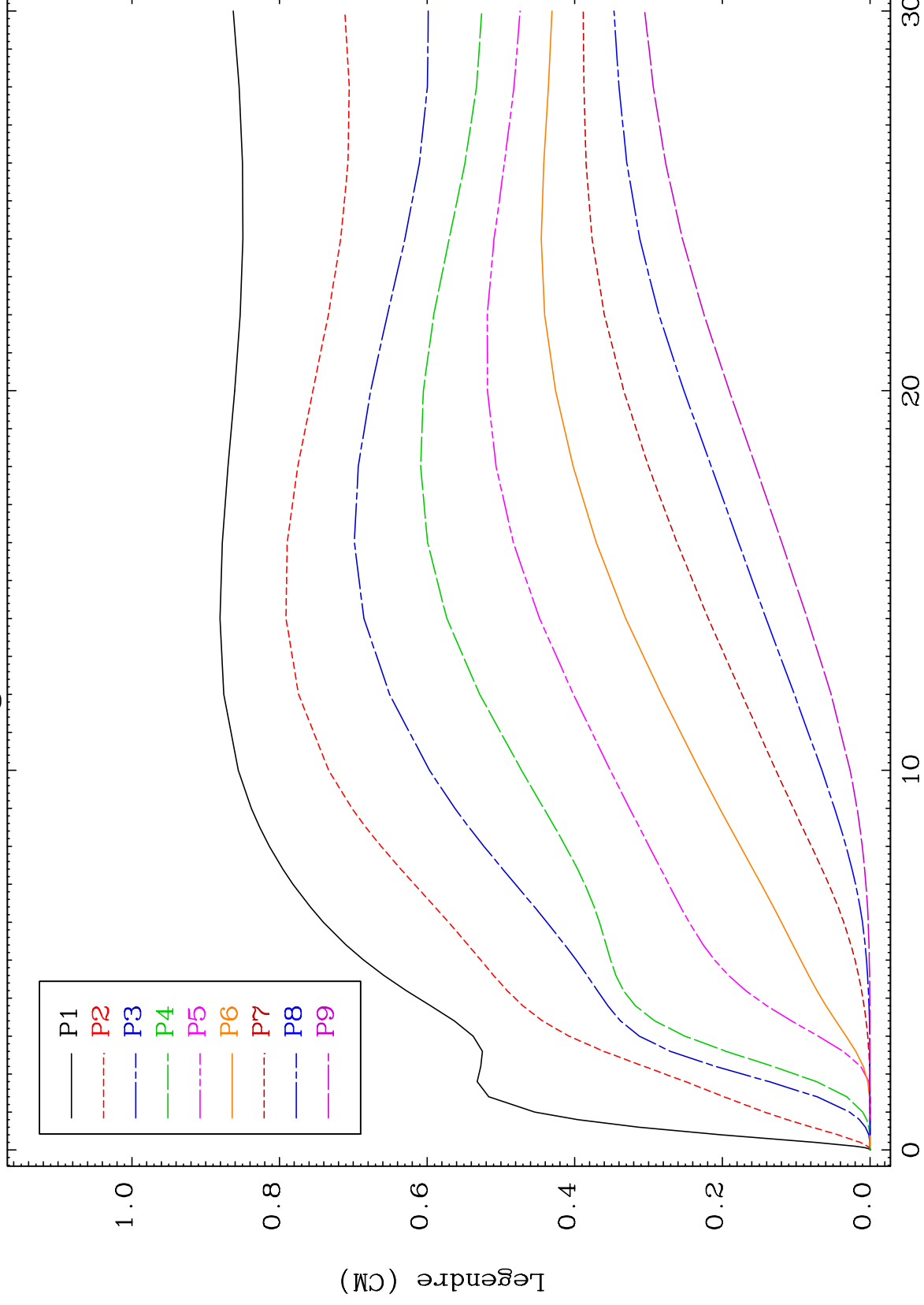
37-Rb-77



MAT 3701

Elastic Legendre Coefficients

<sup>37</sup>Rb-<sup>77</sup>

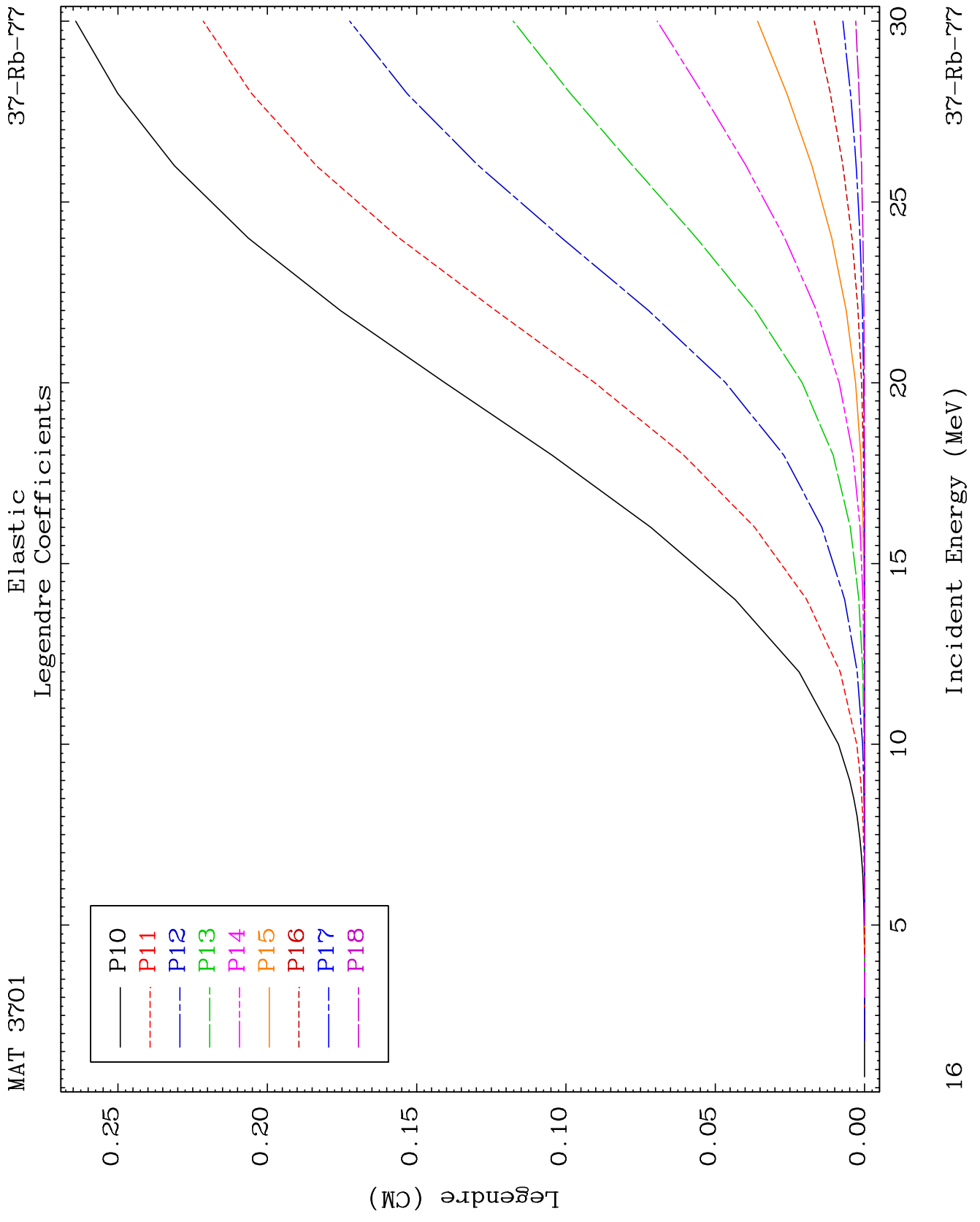


15

Incident Energy (MeV)

<sup>37</sup>Rb-<sup>77</sup>

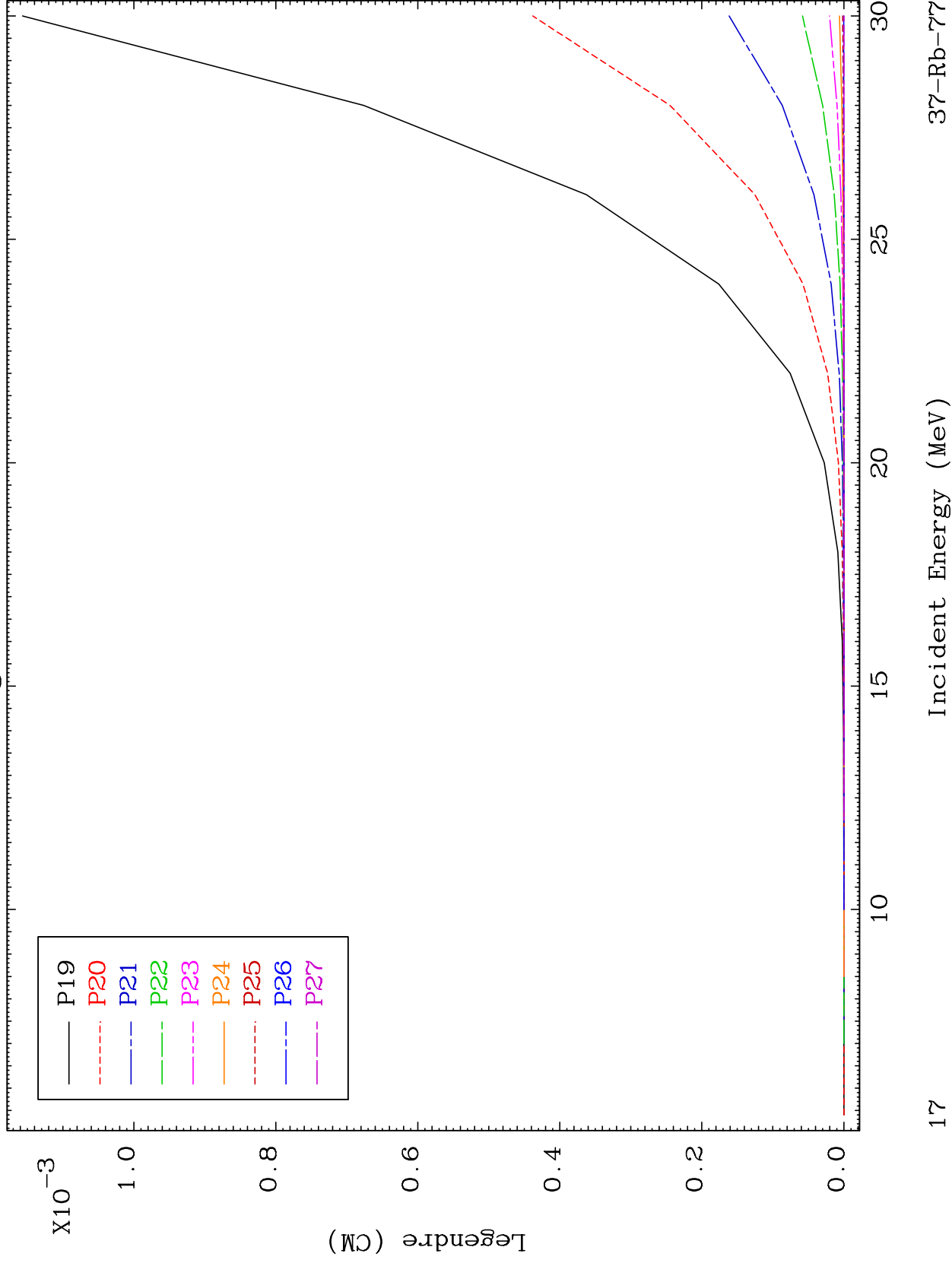




MAT 3701

### Elastic Legendre Coefficients

37-Rb-77



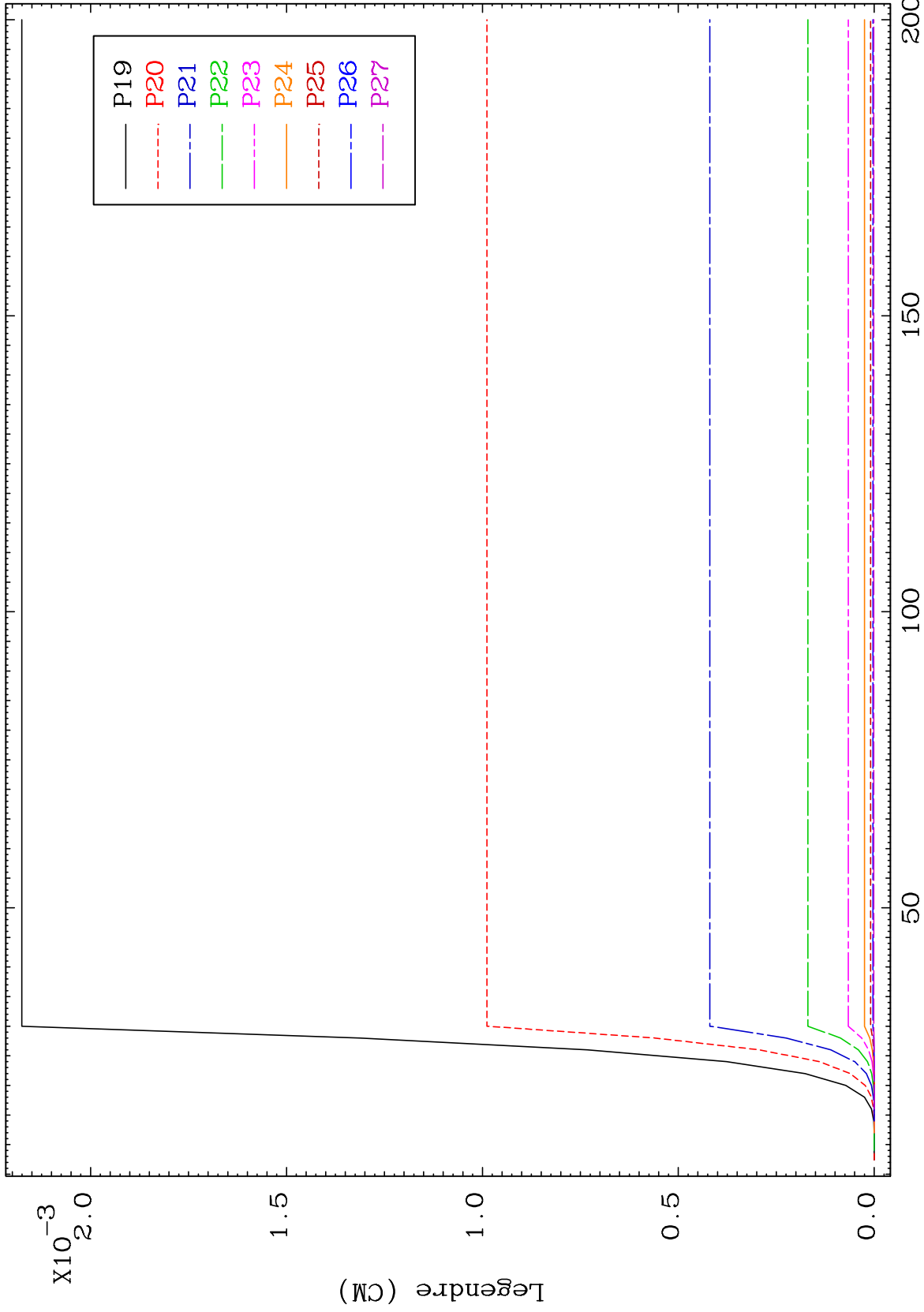
17

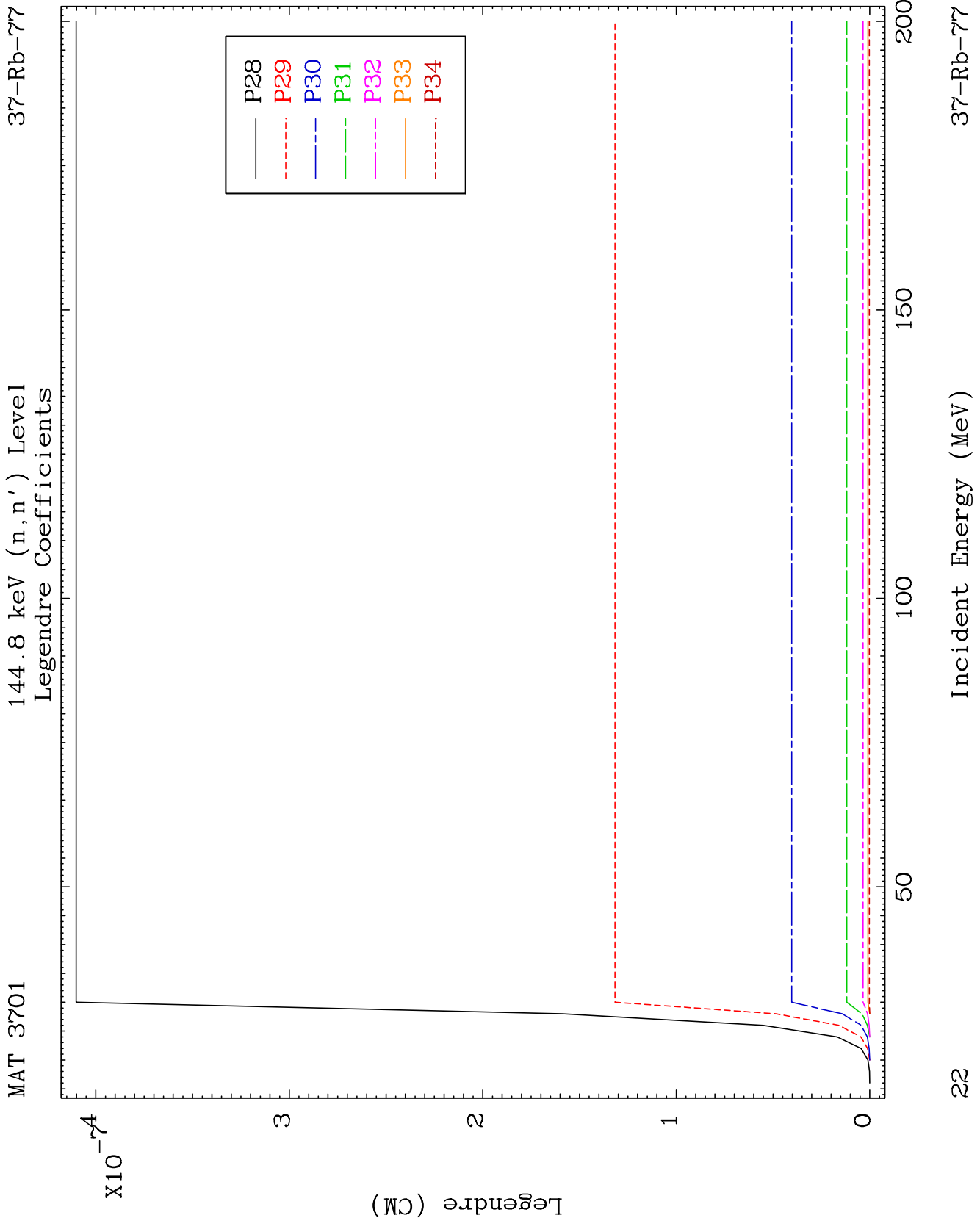
37-Rb-77







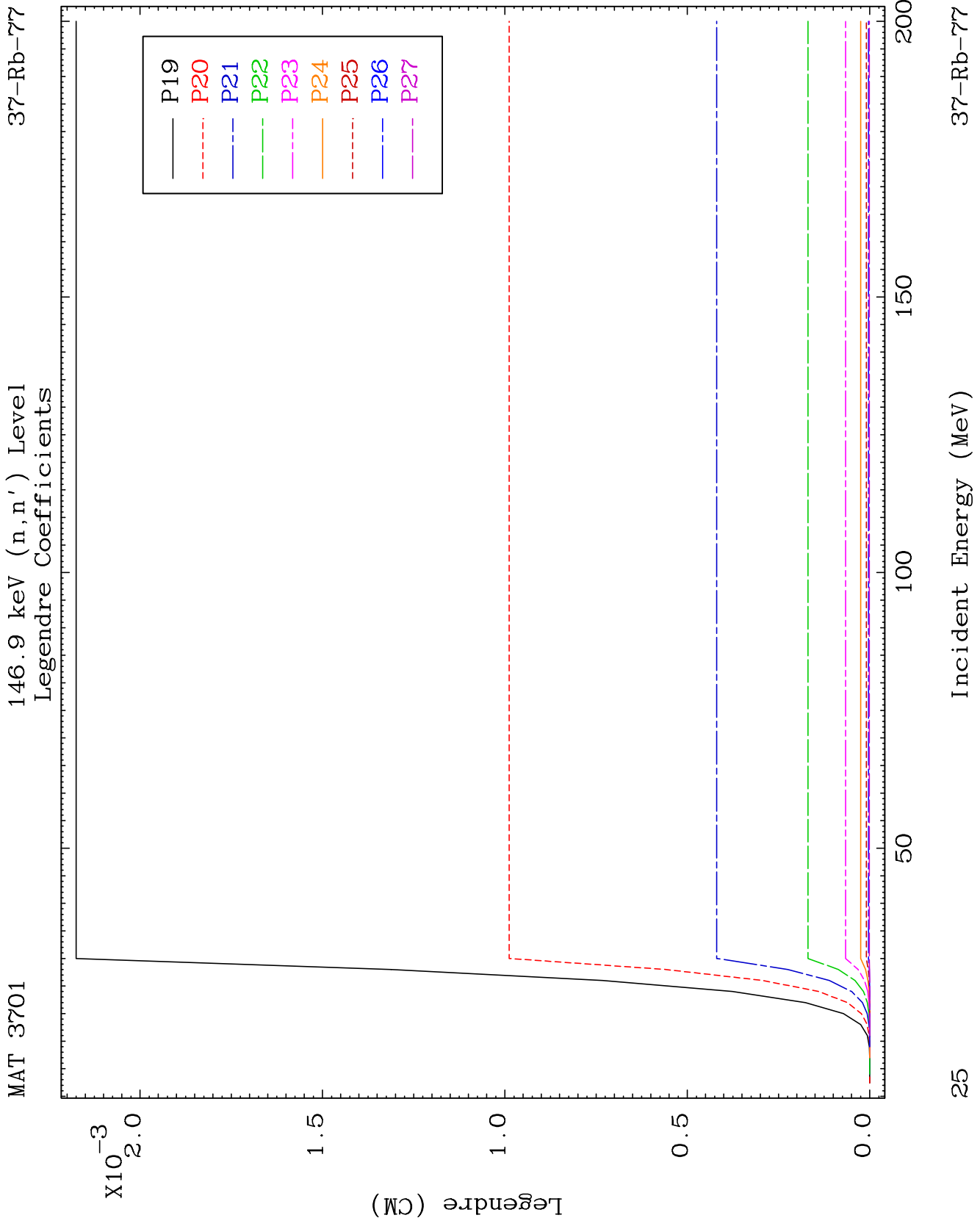


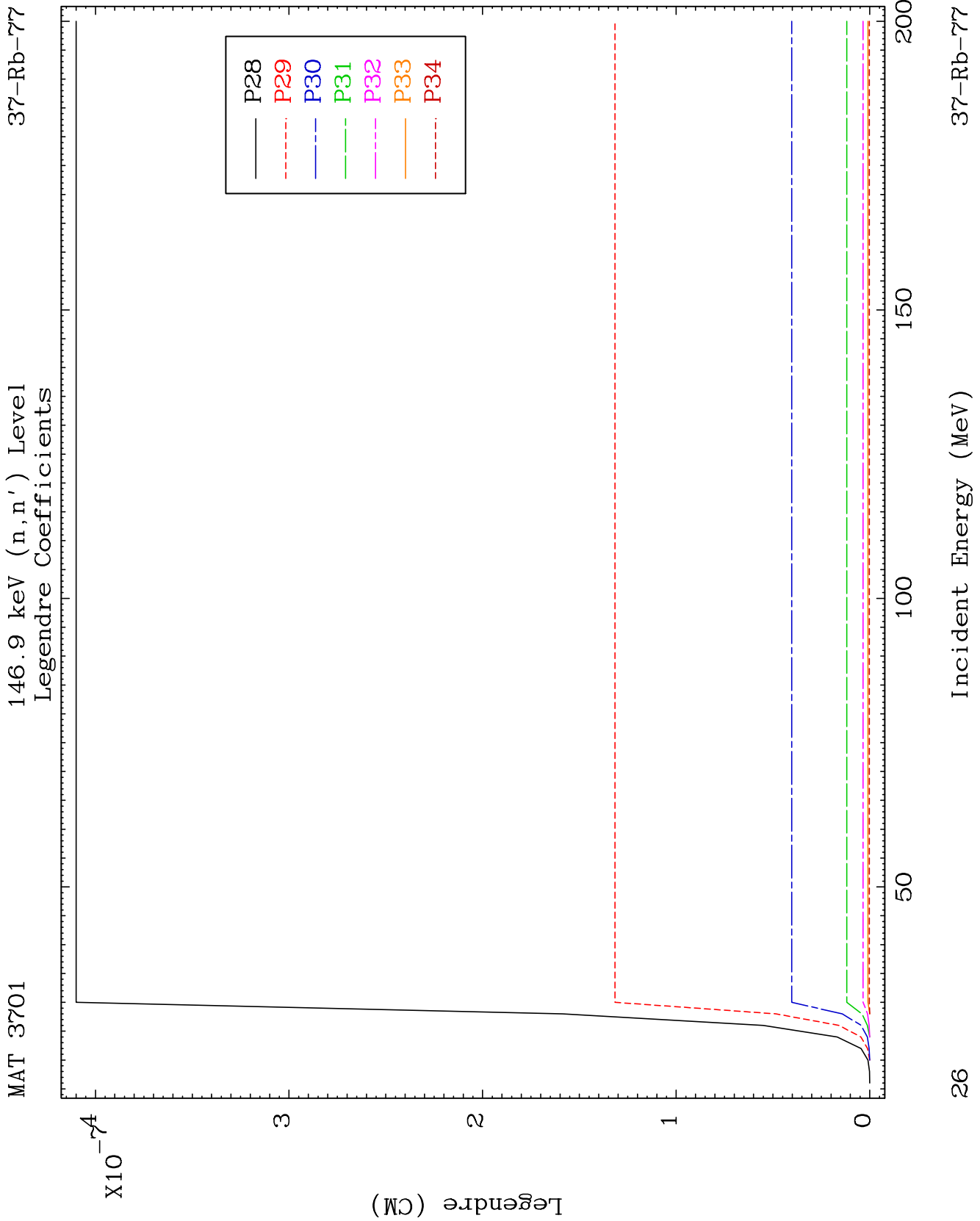


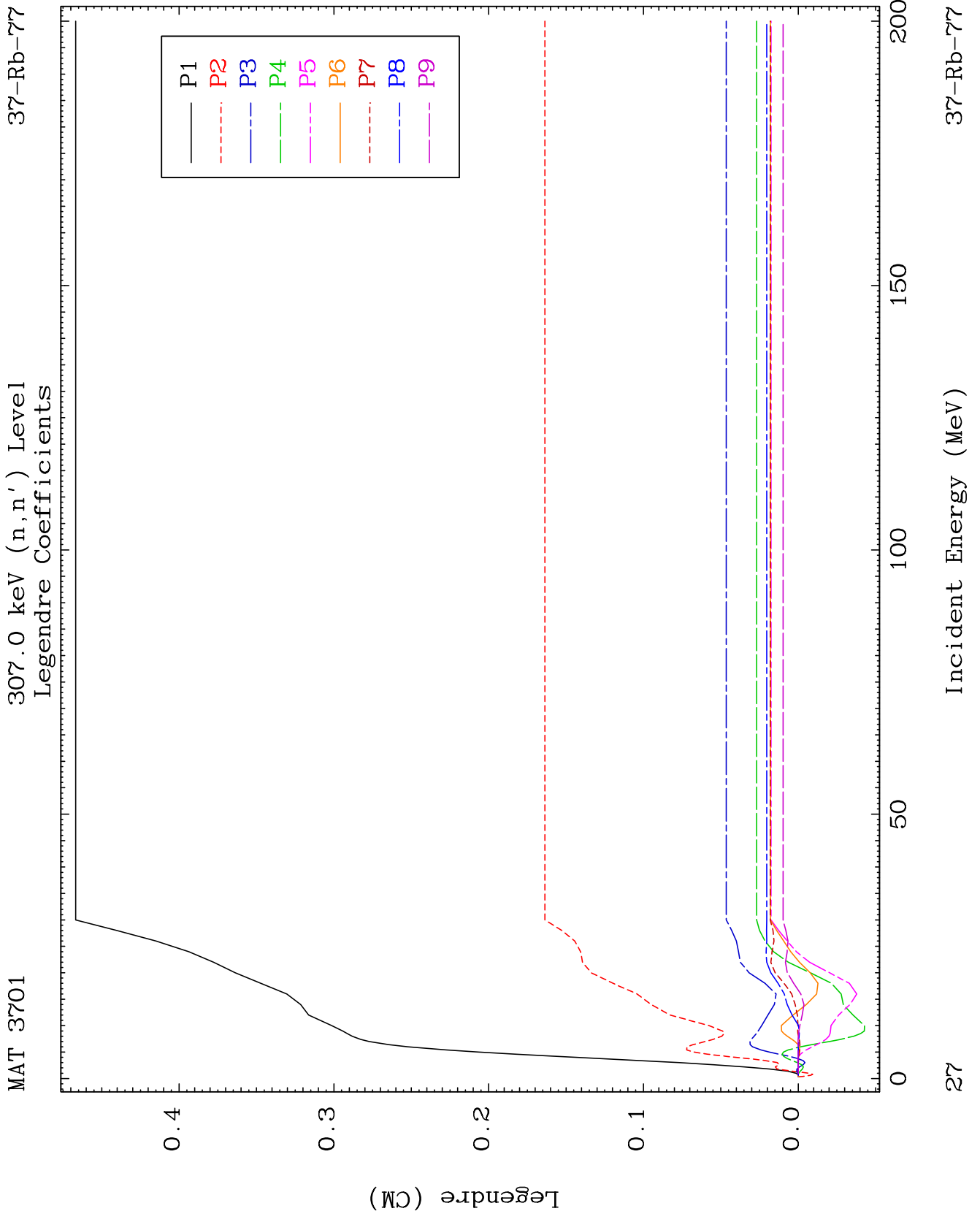








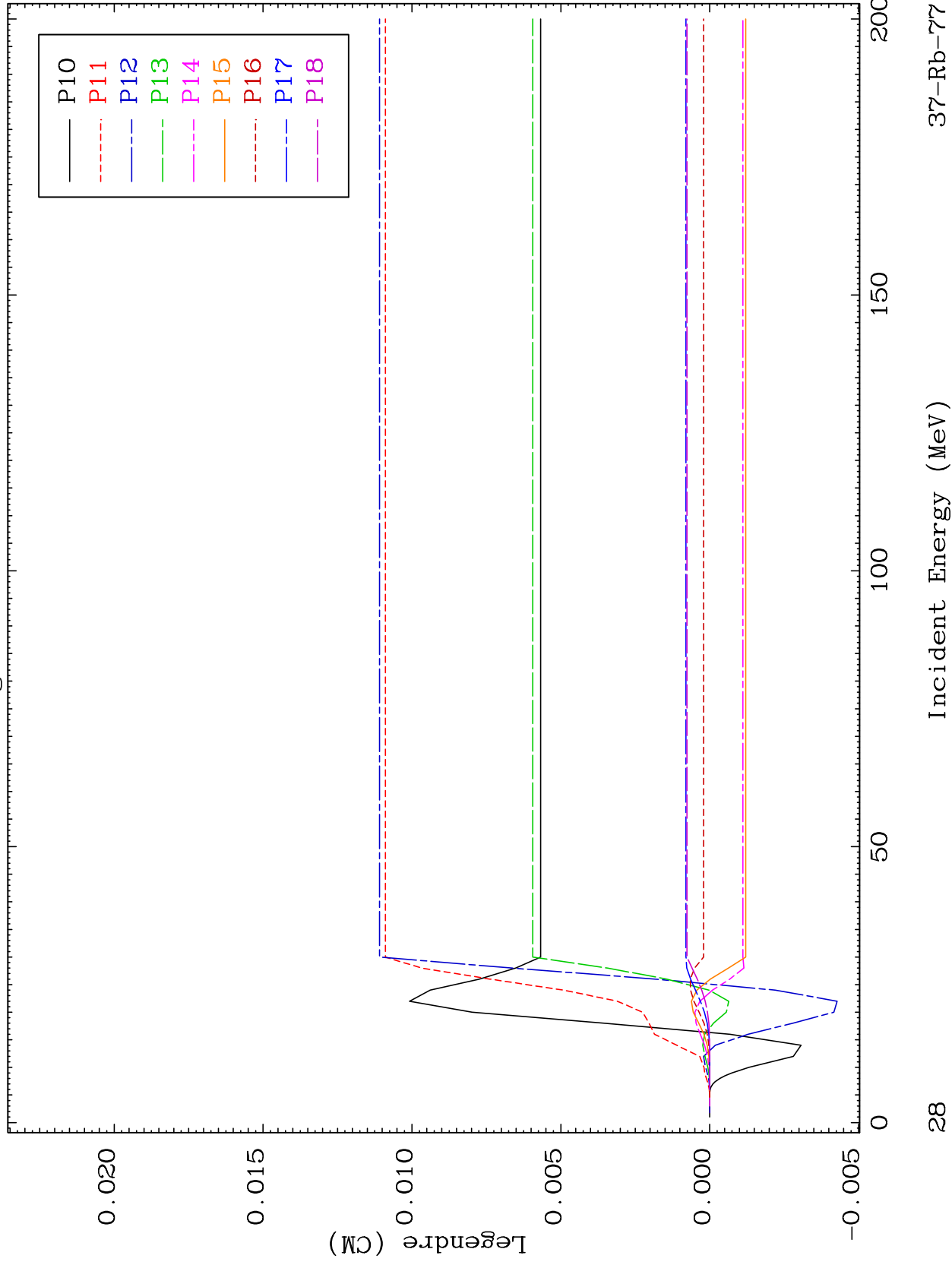




MAT 3701

307.0 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



37-Rb-77

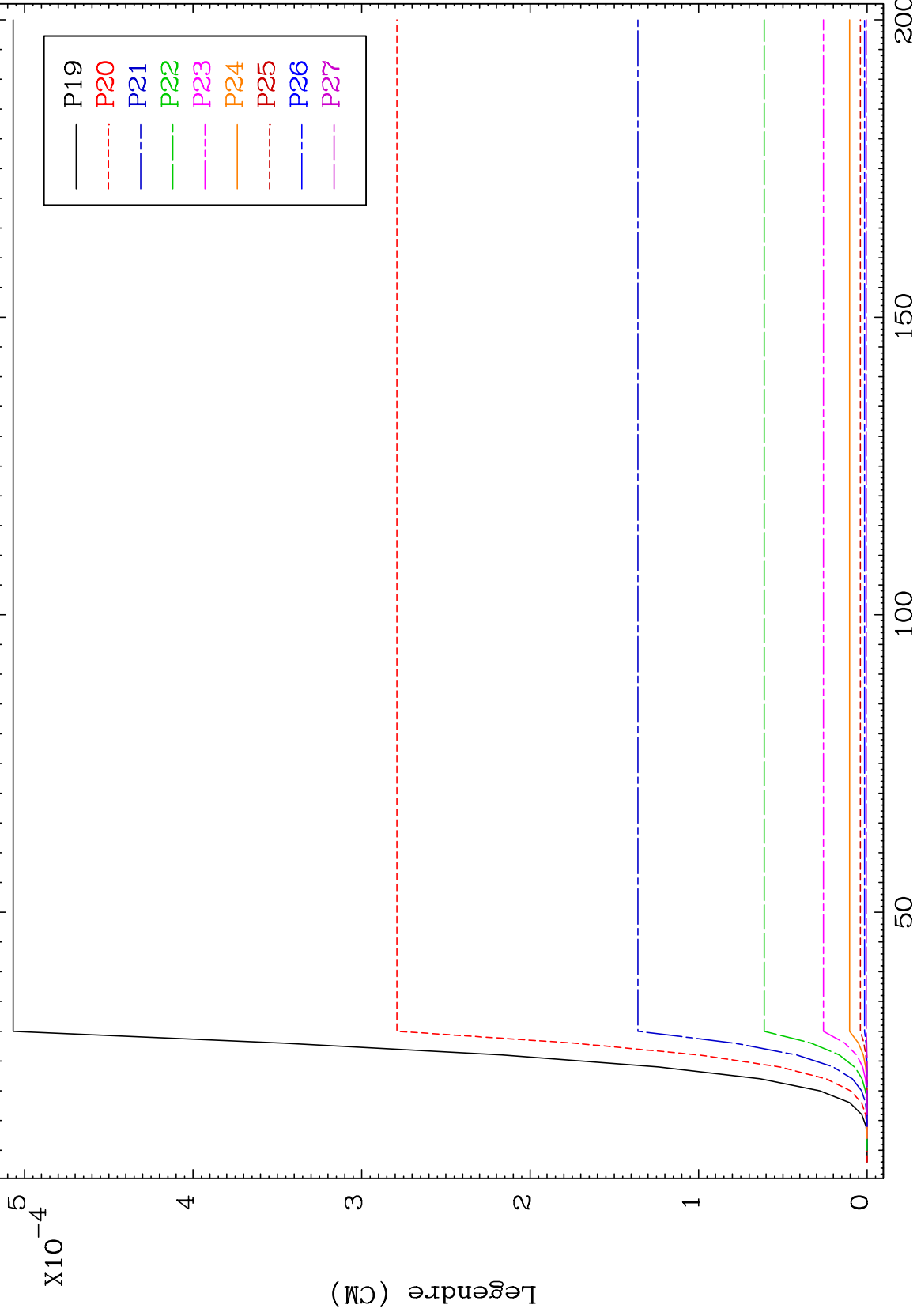
Incident Energy (MeV)

28

MAT 3701

307.0 keV (n,n') Level  
Legendre Coefficients

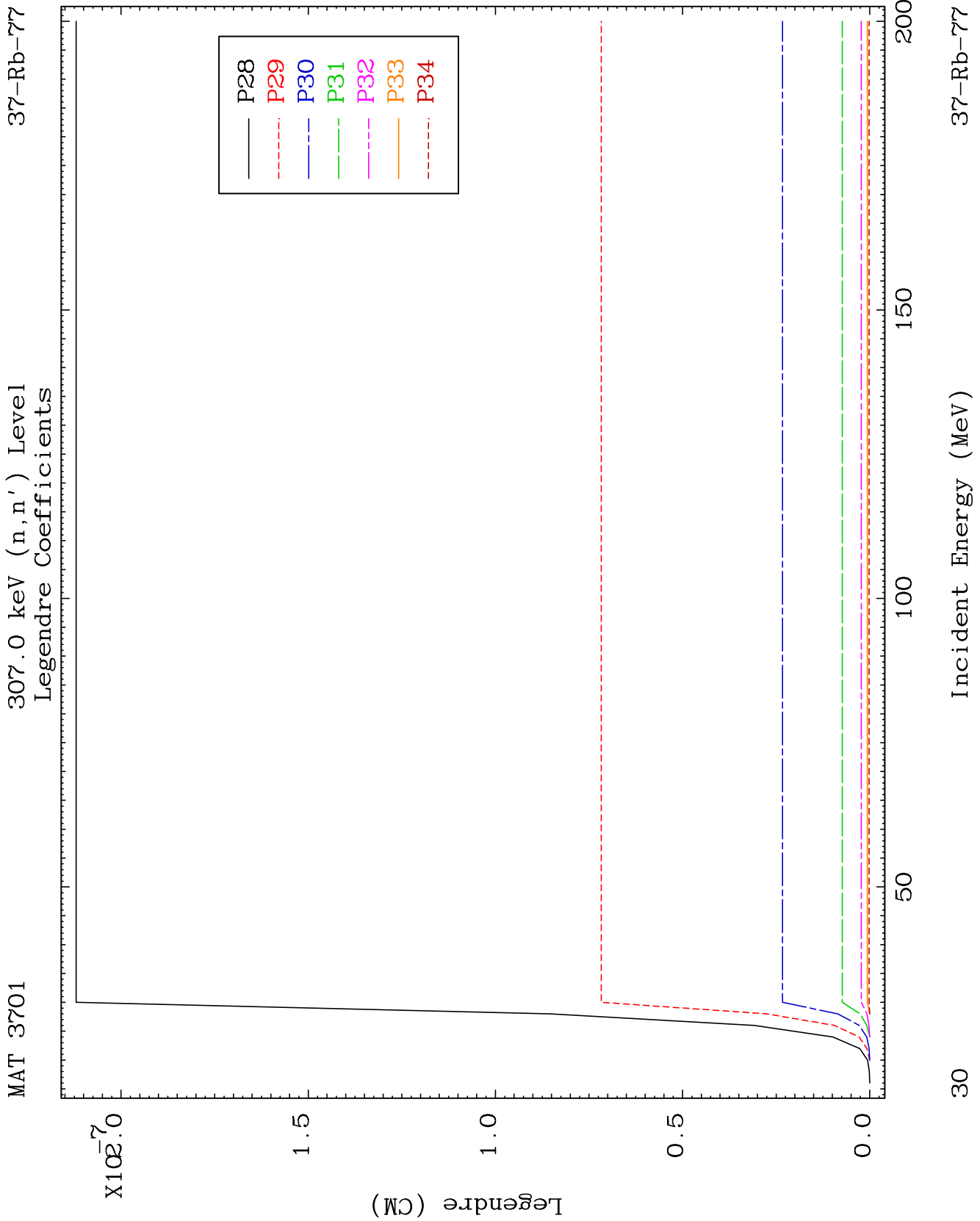
37-Rb-77



29

Incident Energy (MeV)

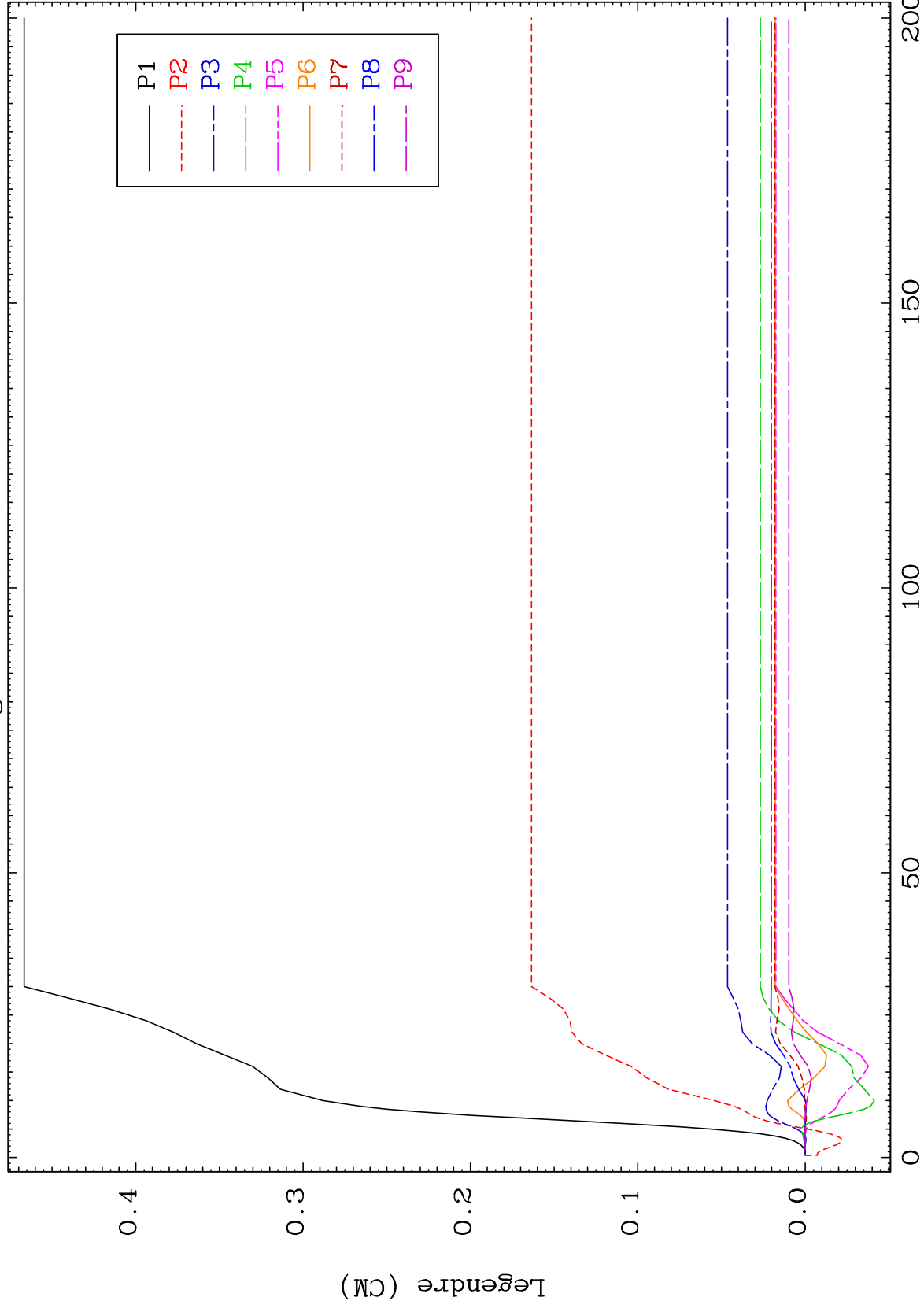
37-Rb-77



MAT 3701

331.6 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



31

Incident Energy (MeV)

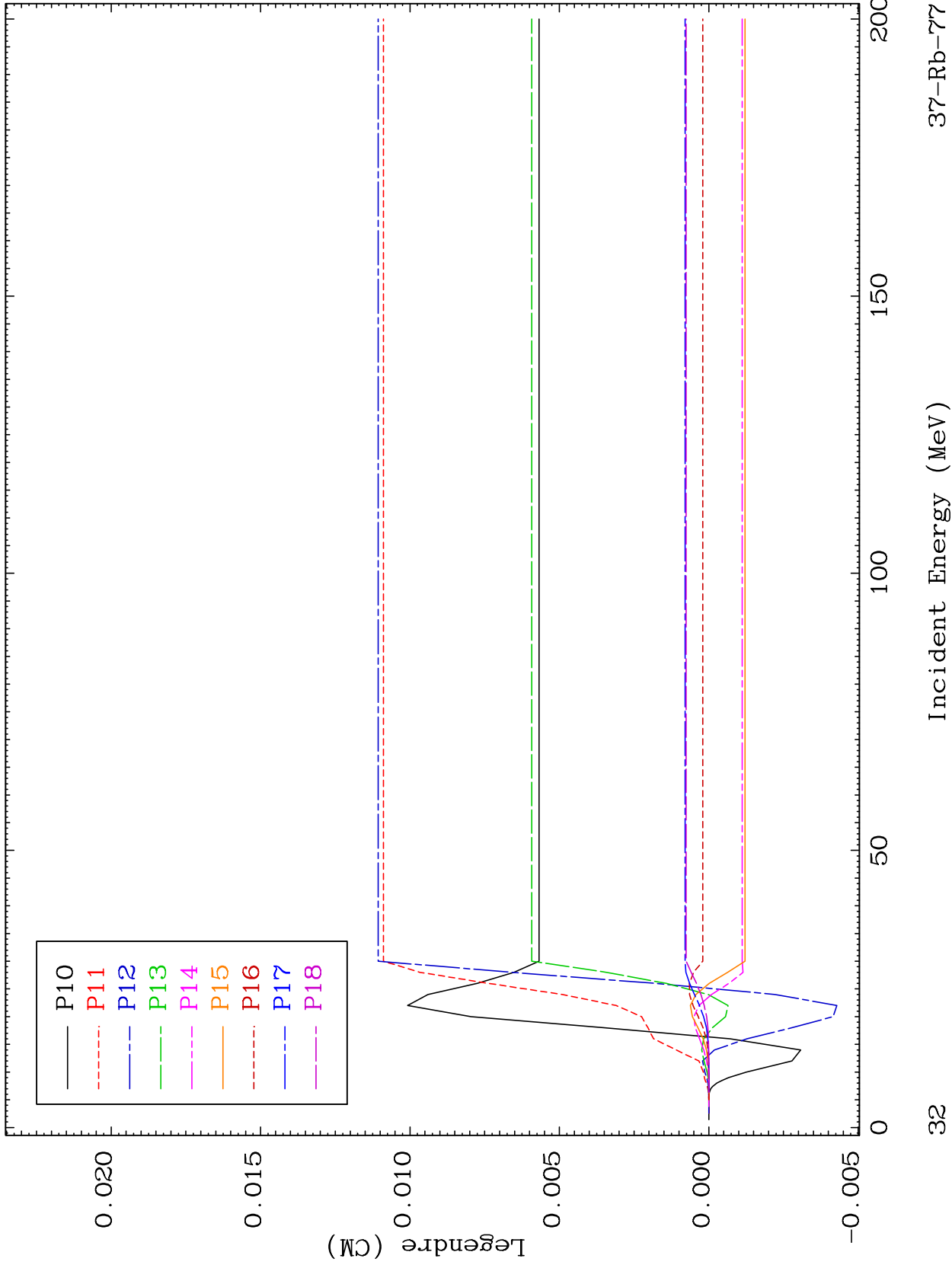
37-Rb-77



MAT 3701

331.6 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



32

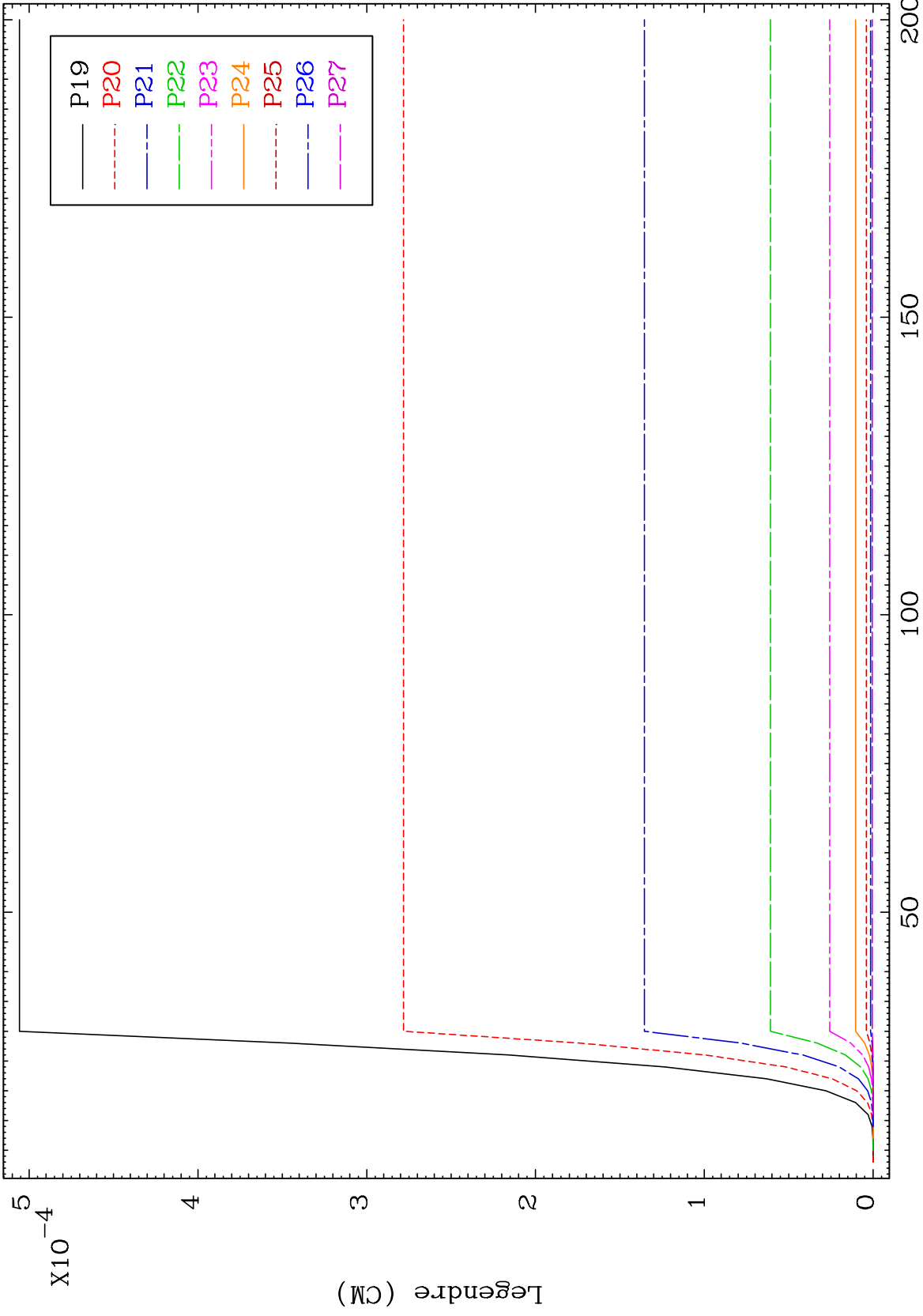
Incident Energy (MeV)

37-Rb-77

MAT 3701

331.6 keV (n,n') Level  
Legendre Coefficients

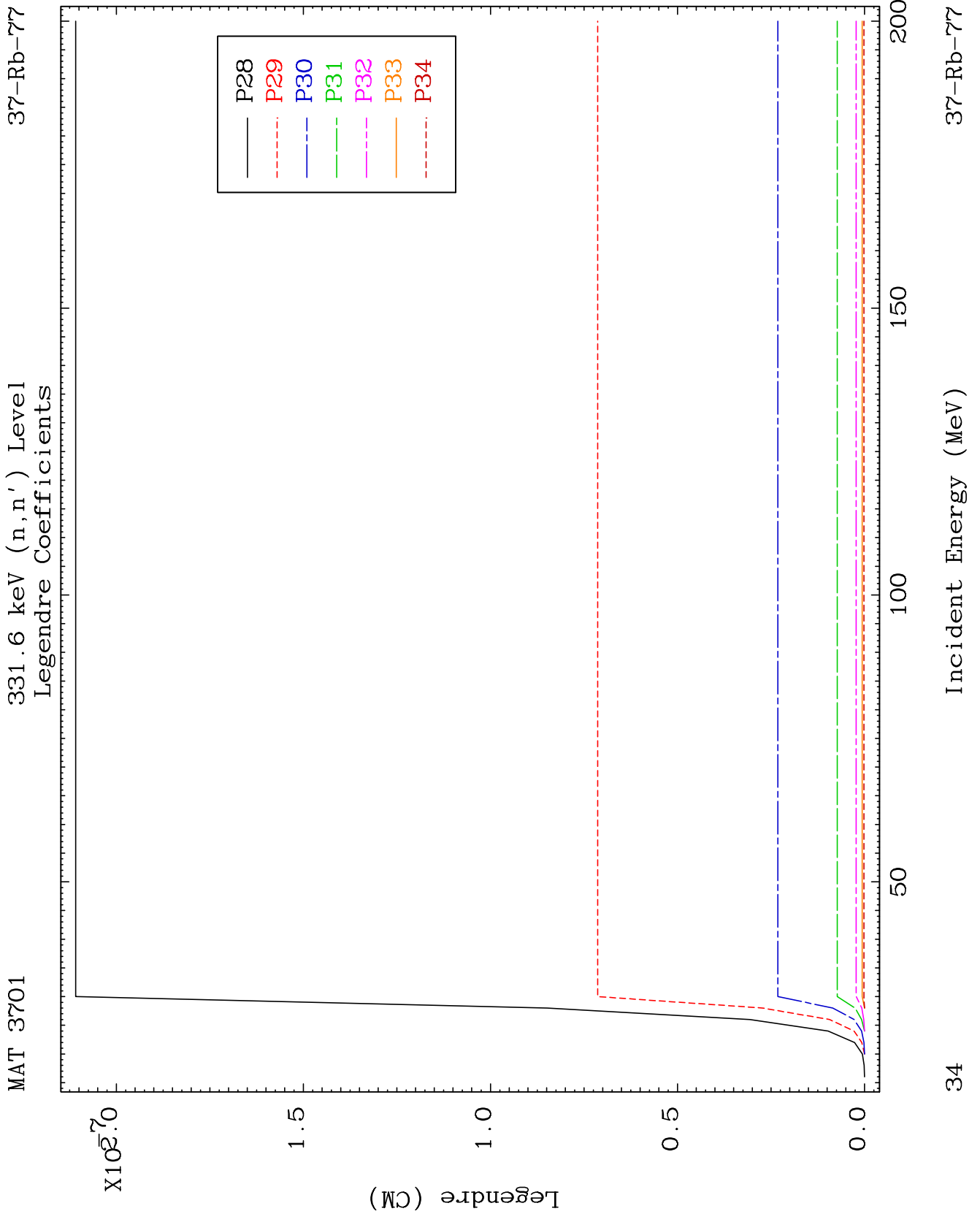
37-Rb-77



33

Incident Energy (MeV)

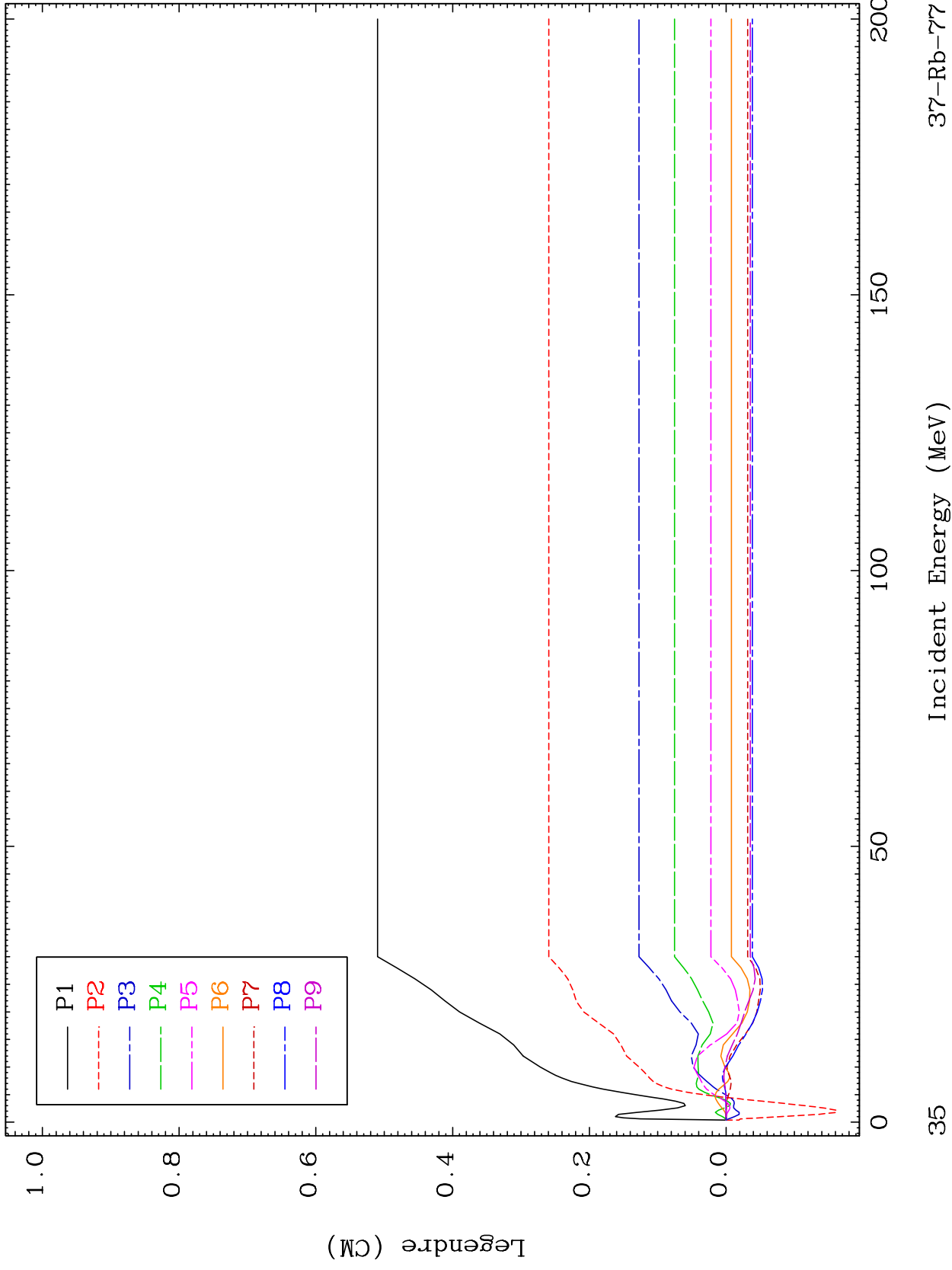
37-Rb-77



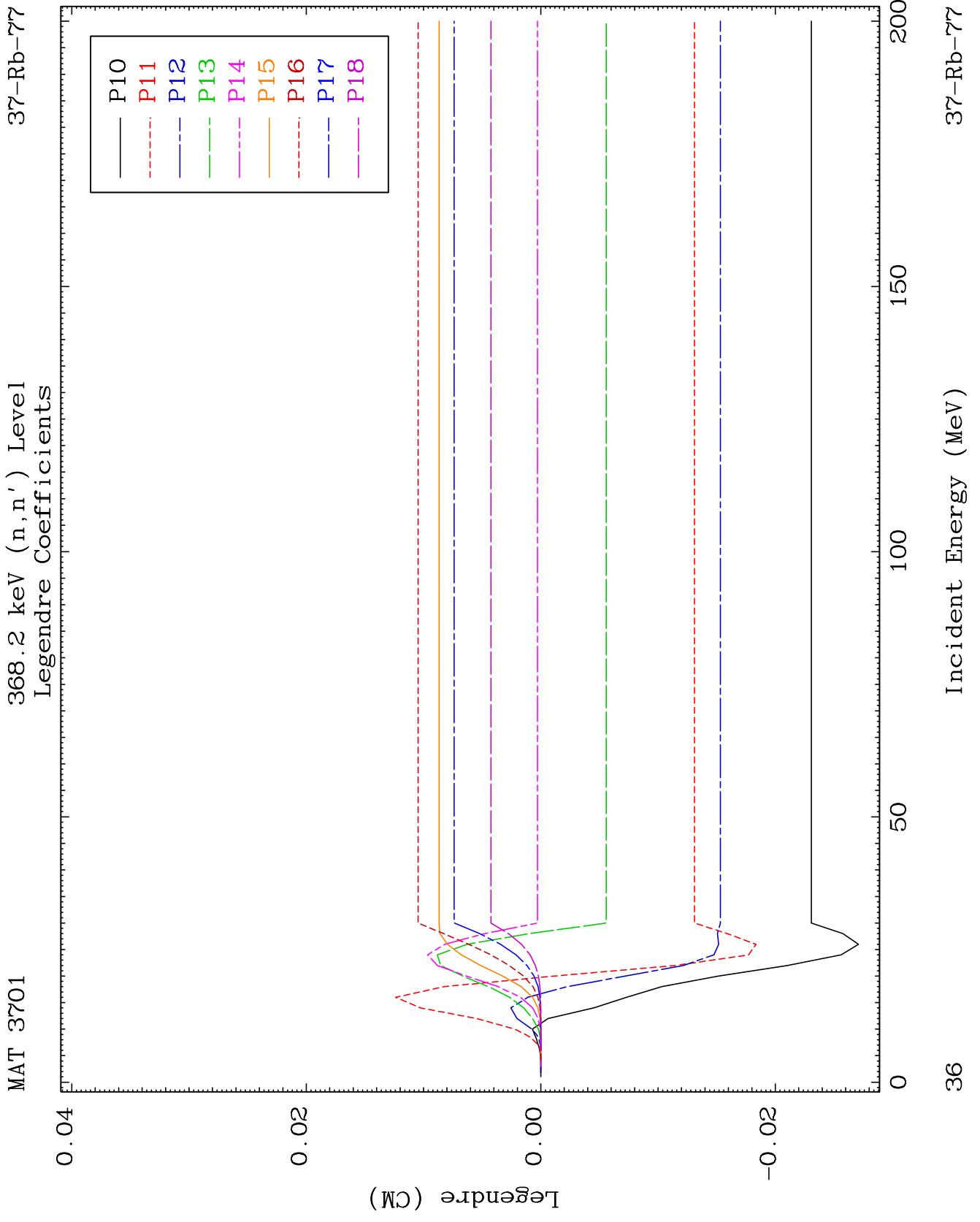
MAT 3701

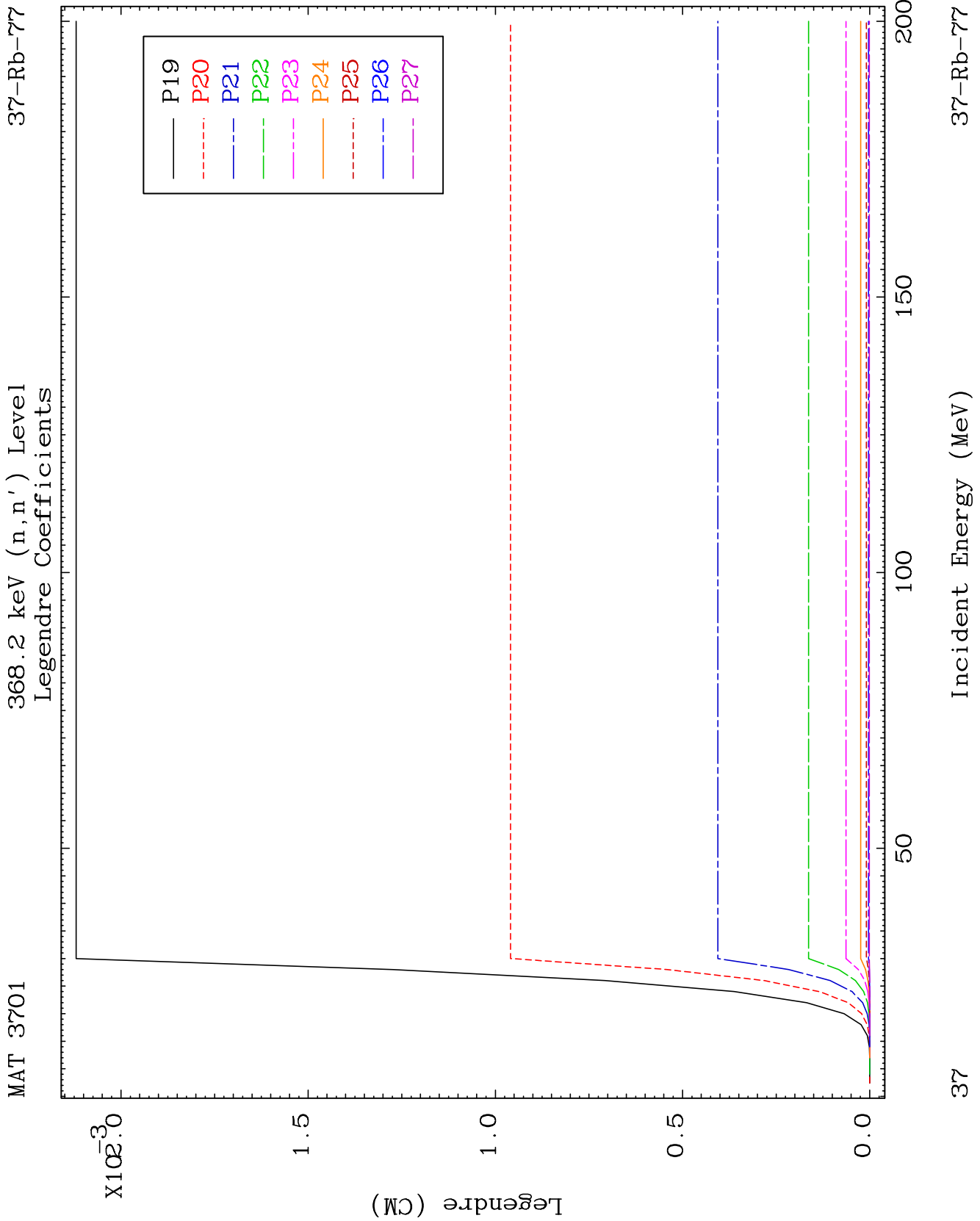
368.2 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



35

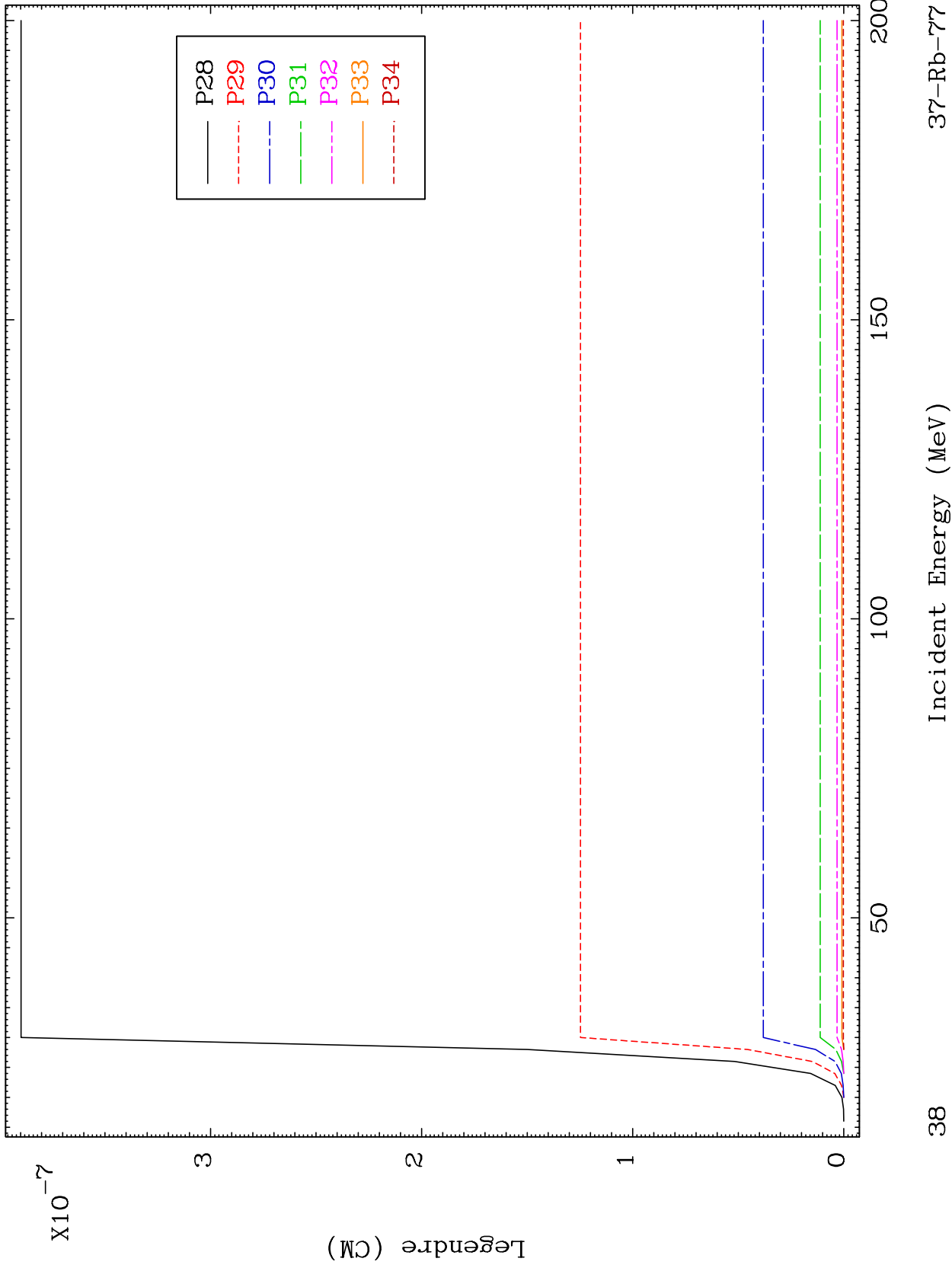




MAT 3701

368.2 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



38

Incident Energy (MeV)

37-Rb-77

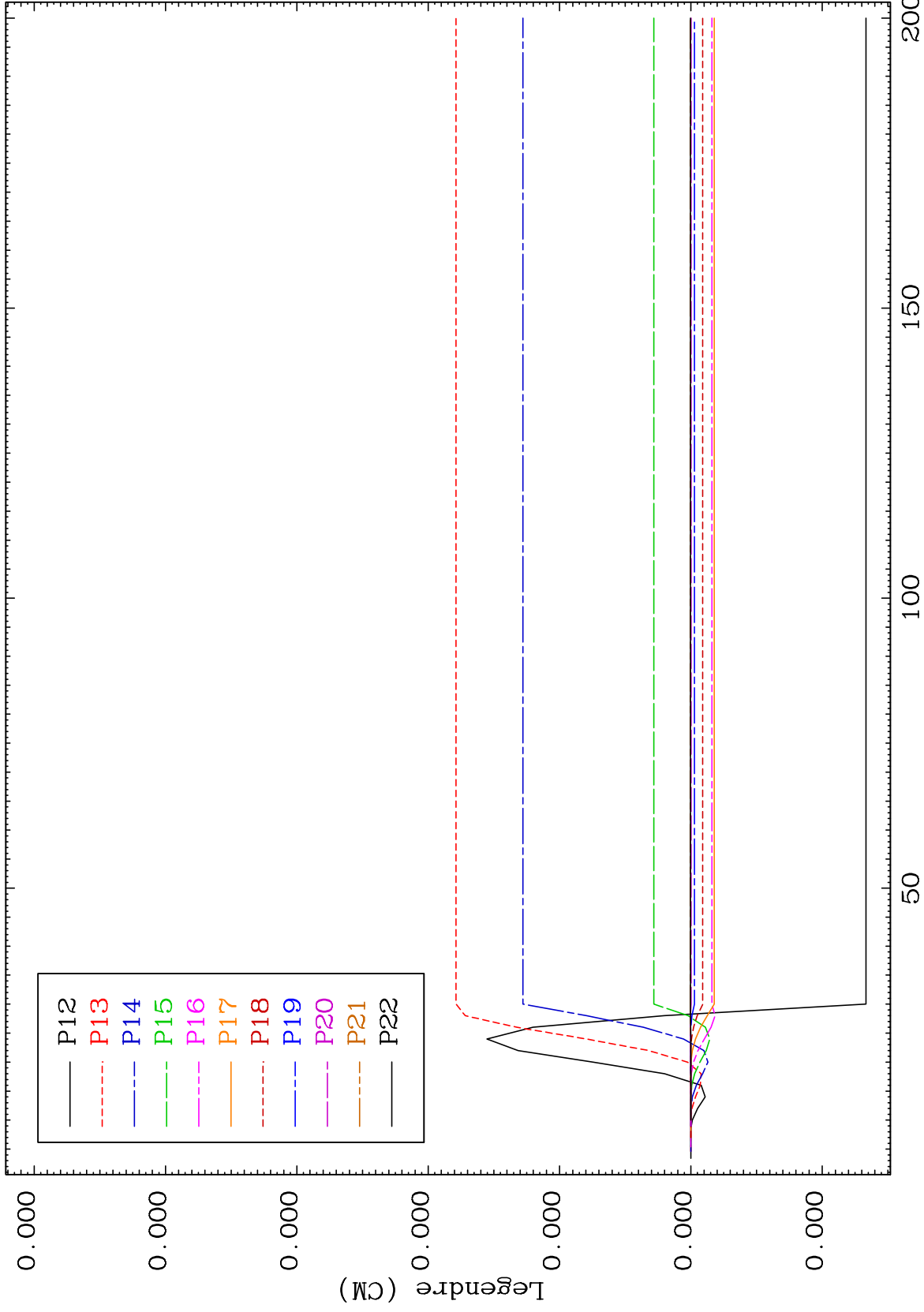




MAT 3701

614.7 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



40

Incident Energy (MeV)

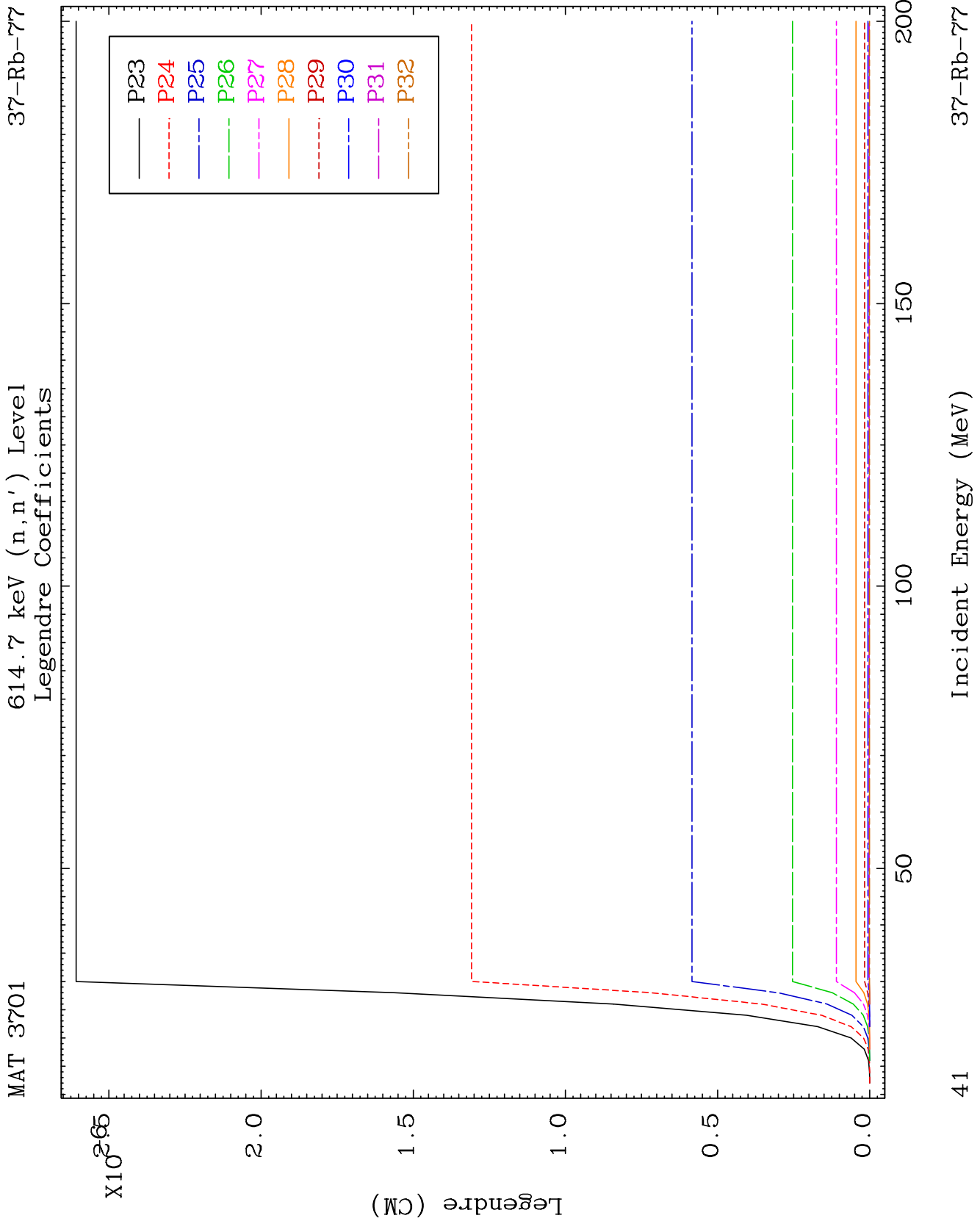
50

100

150

200

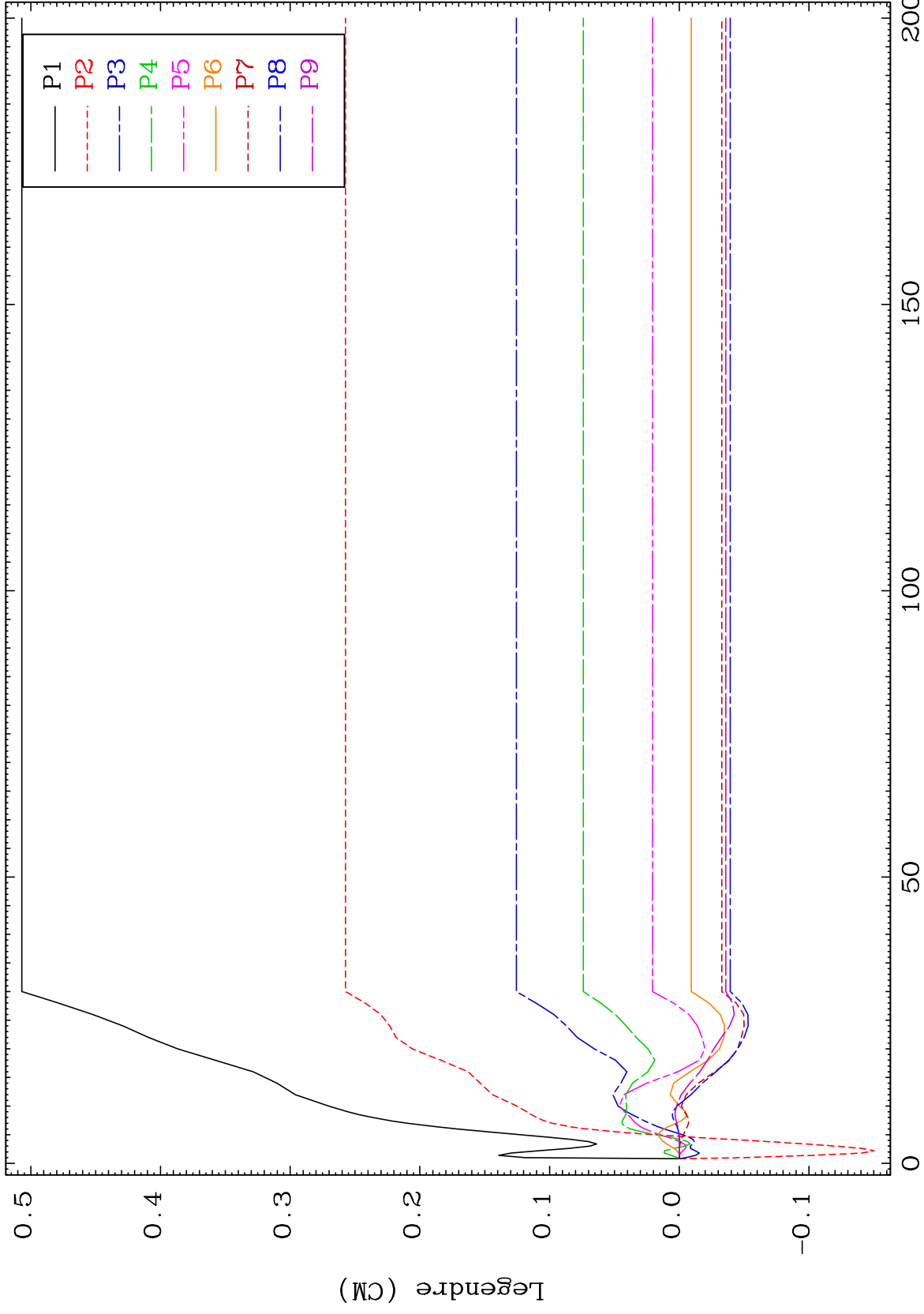
37-Rb-77



MAT 3701

788.0 keV (n,n') Level  
Legendre Coefficients

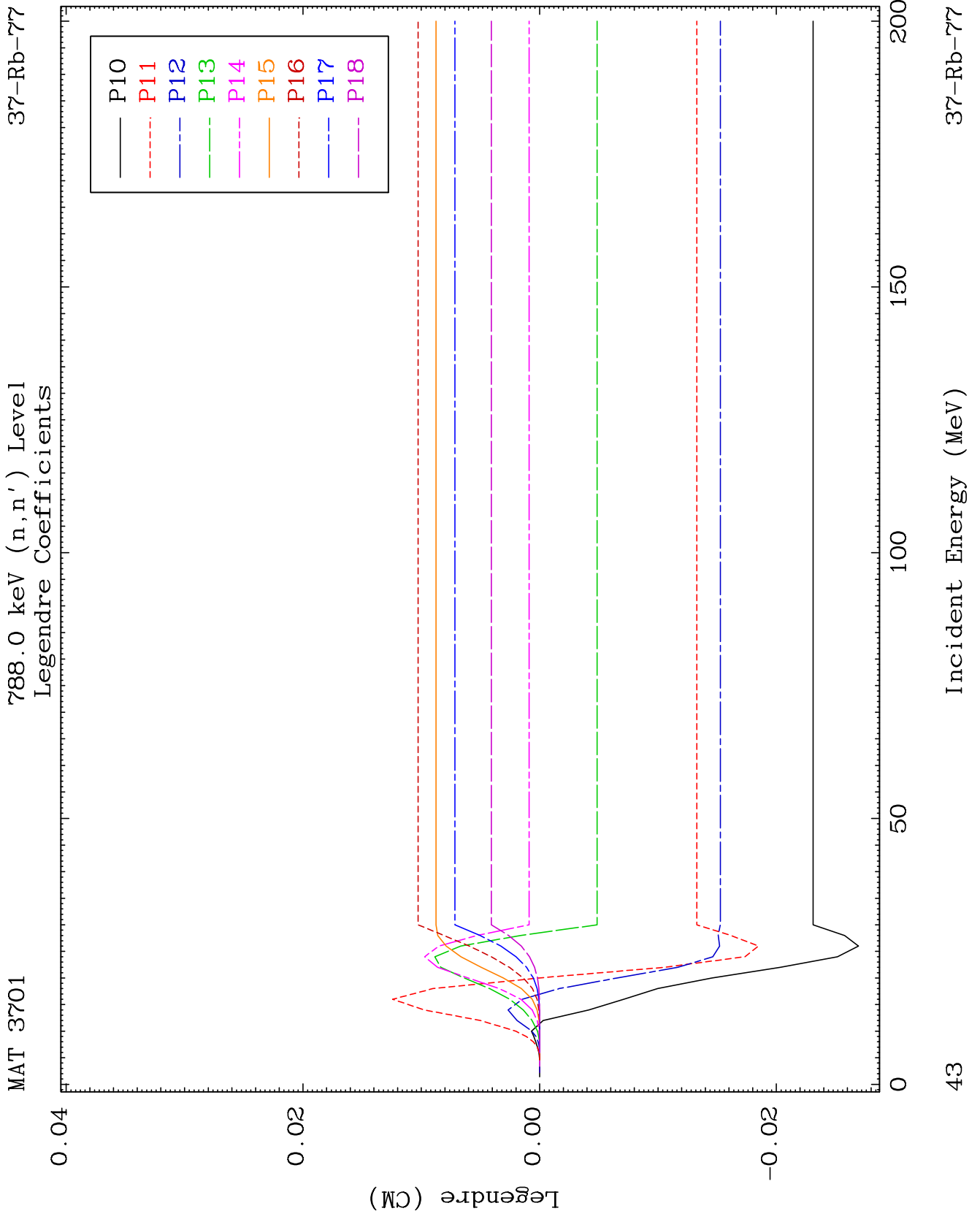
37-Rb-77

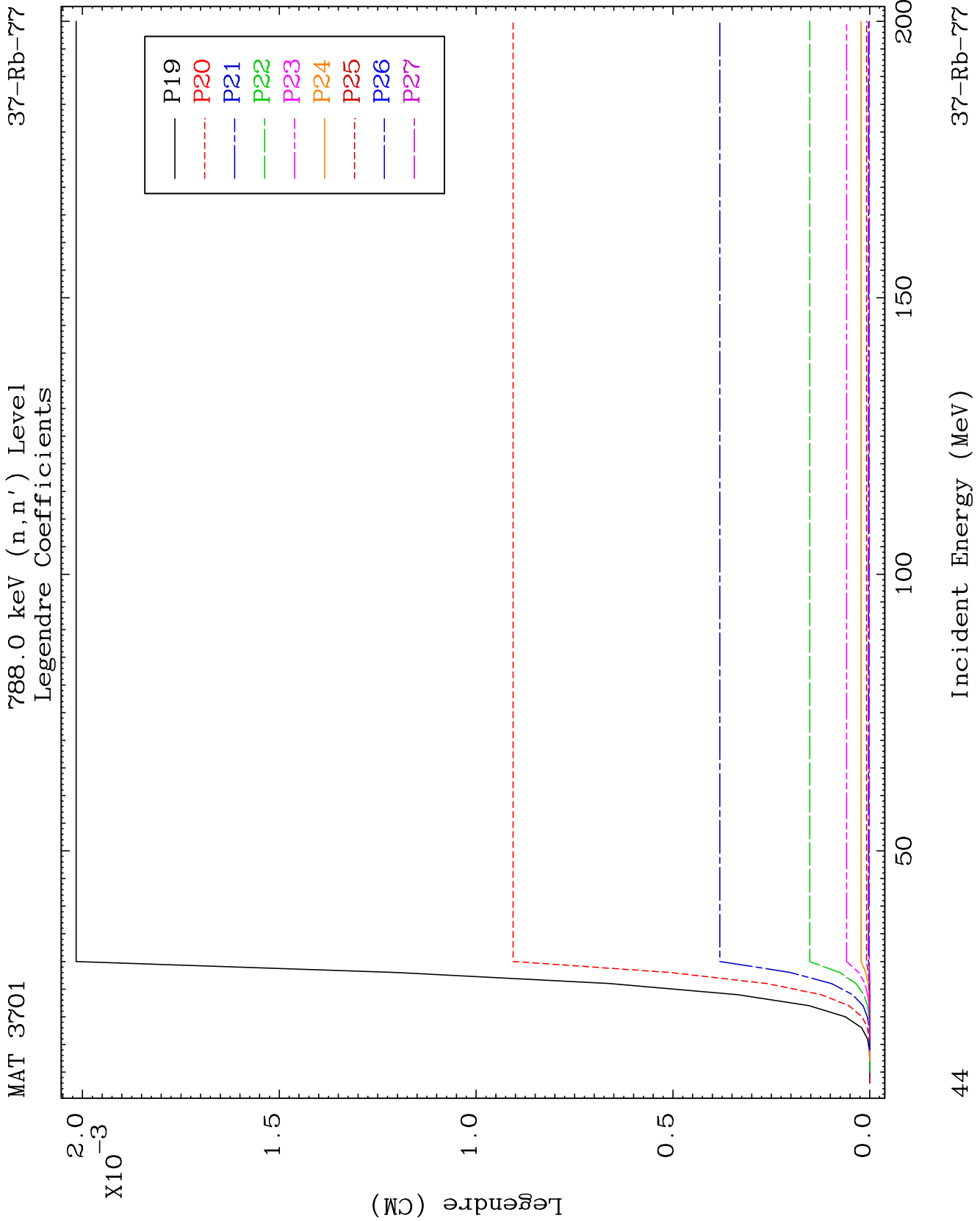


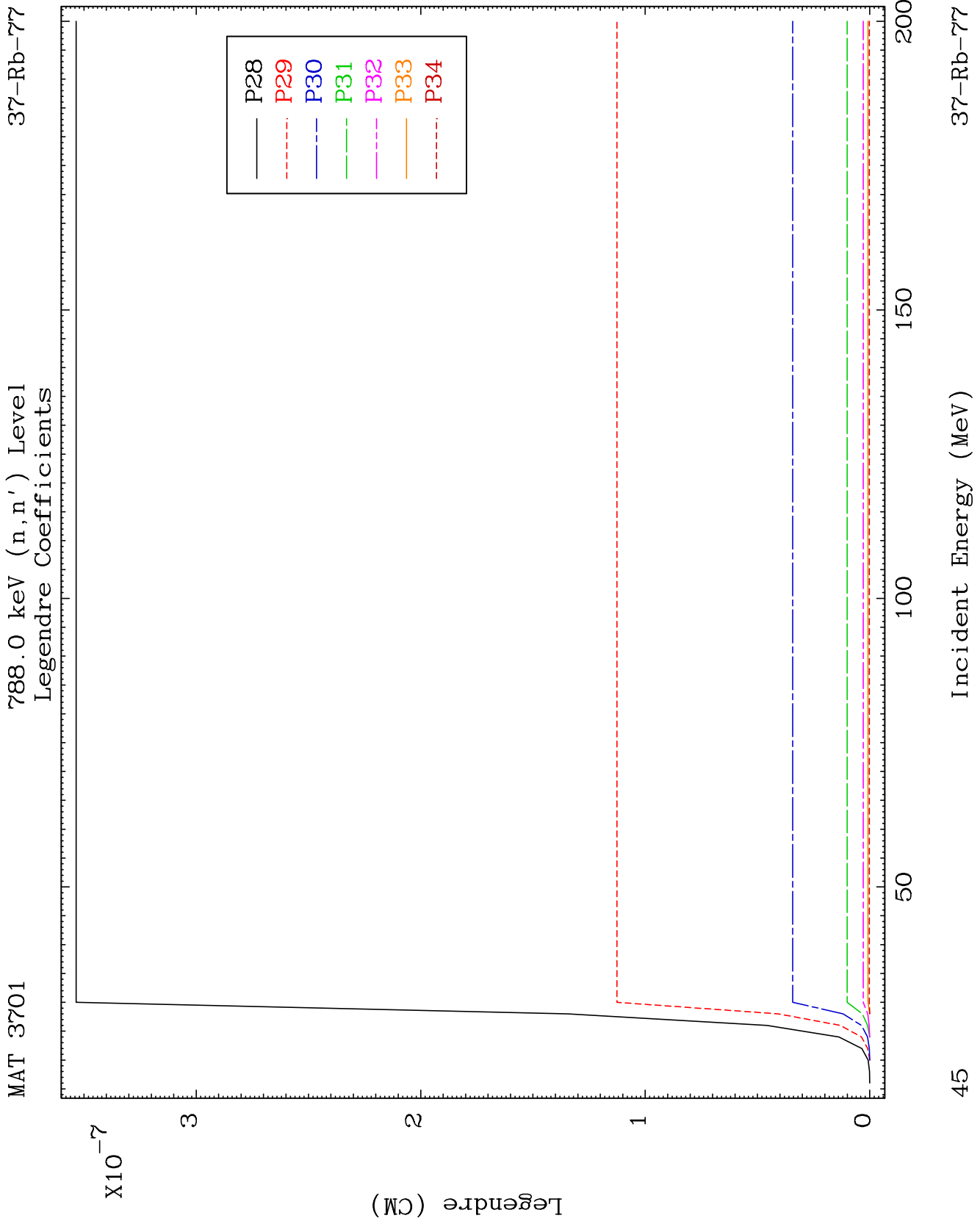
42

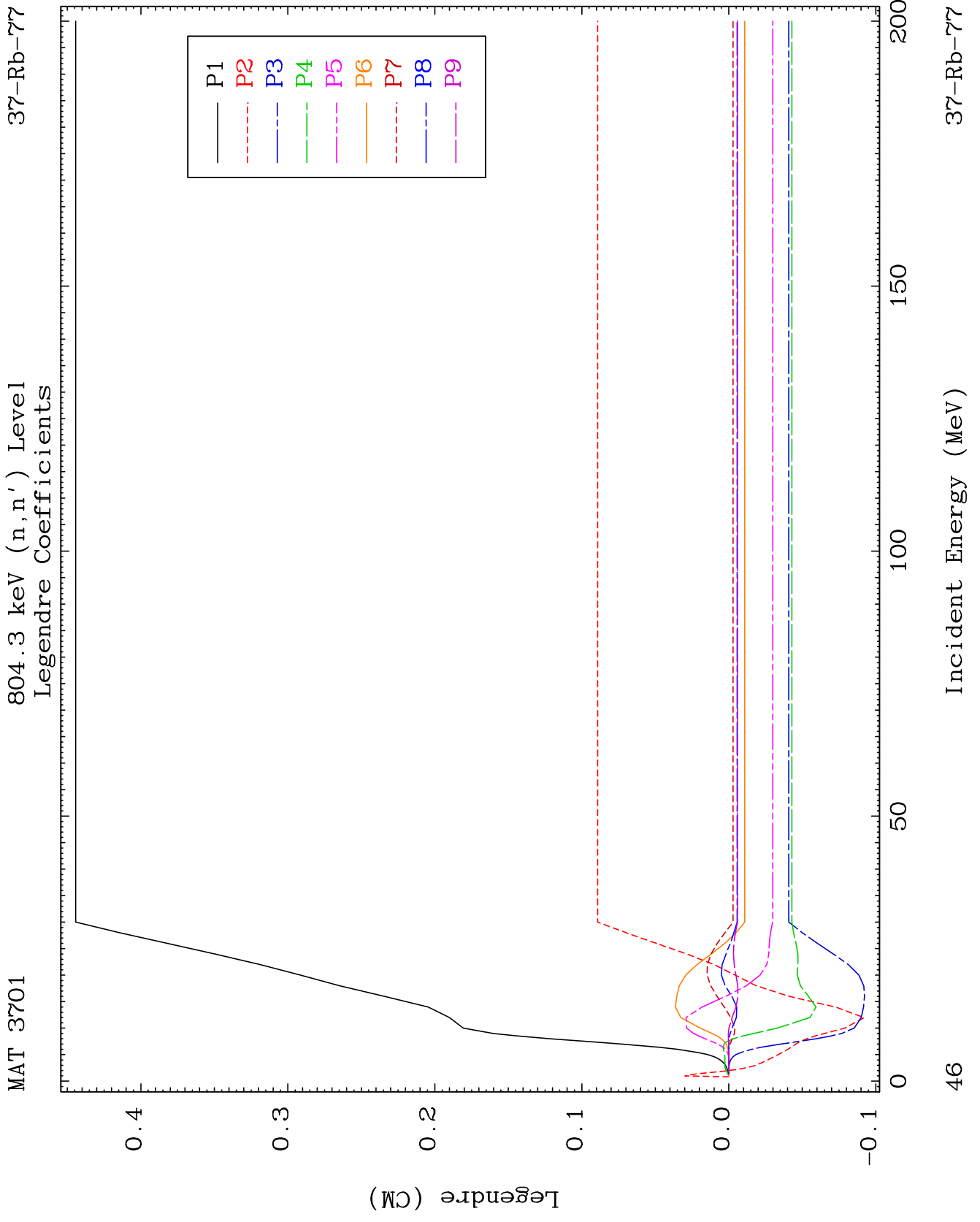
Incident Energy (MeV)

37-Rb-77





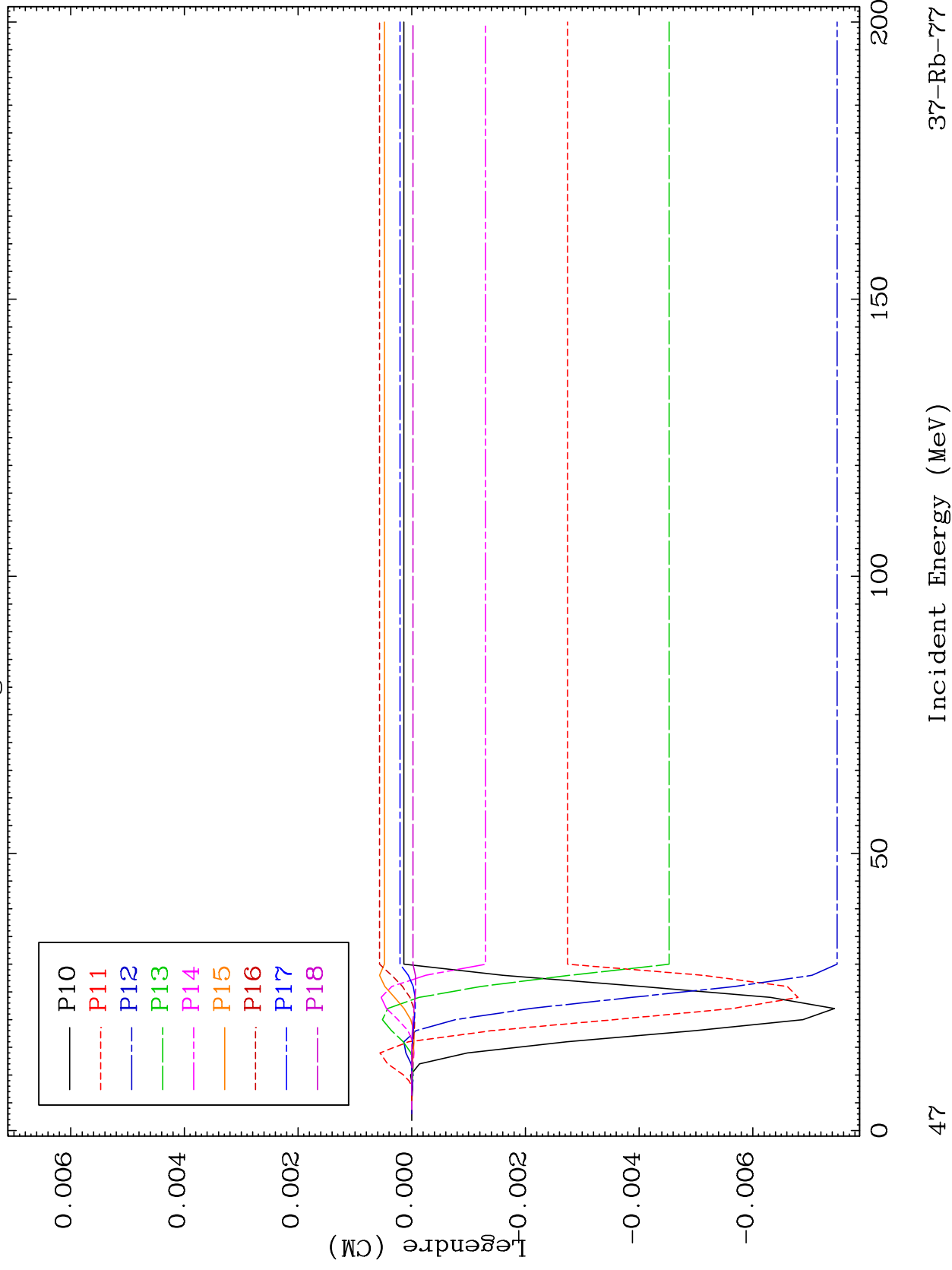




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804.3 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



47

Incident Energy (MeV)

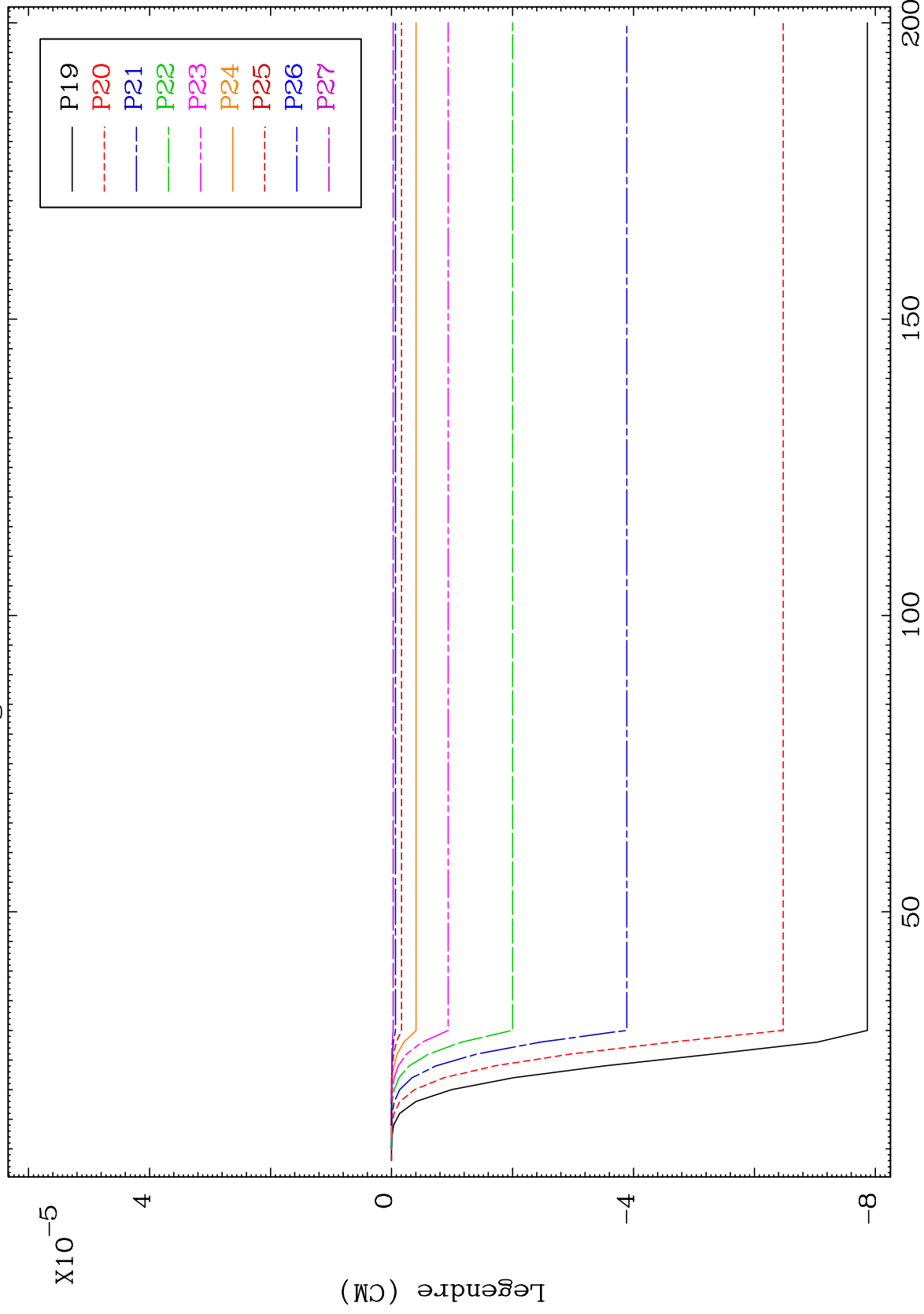
37-Rb-77



MAT 3701

804.3 keV (n,n') Level  
Legendre Coefficients

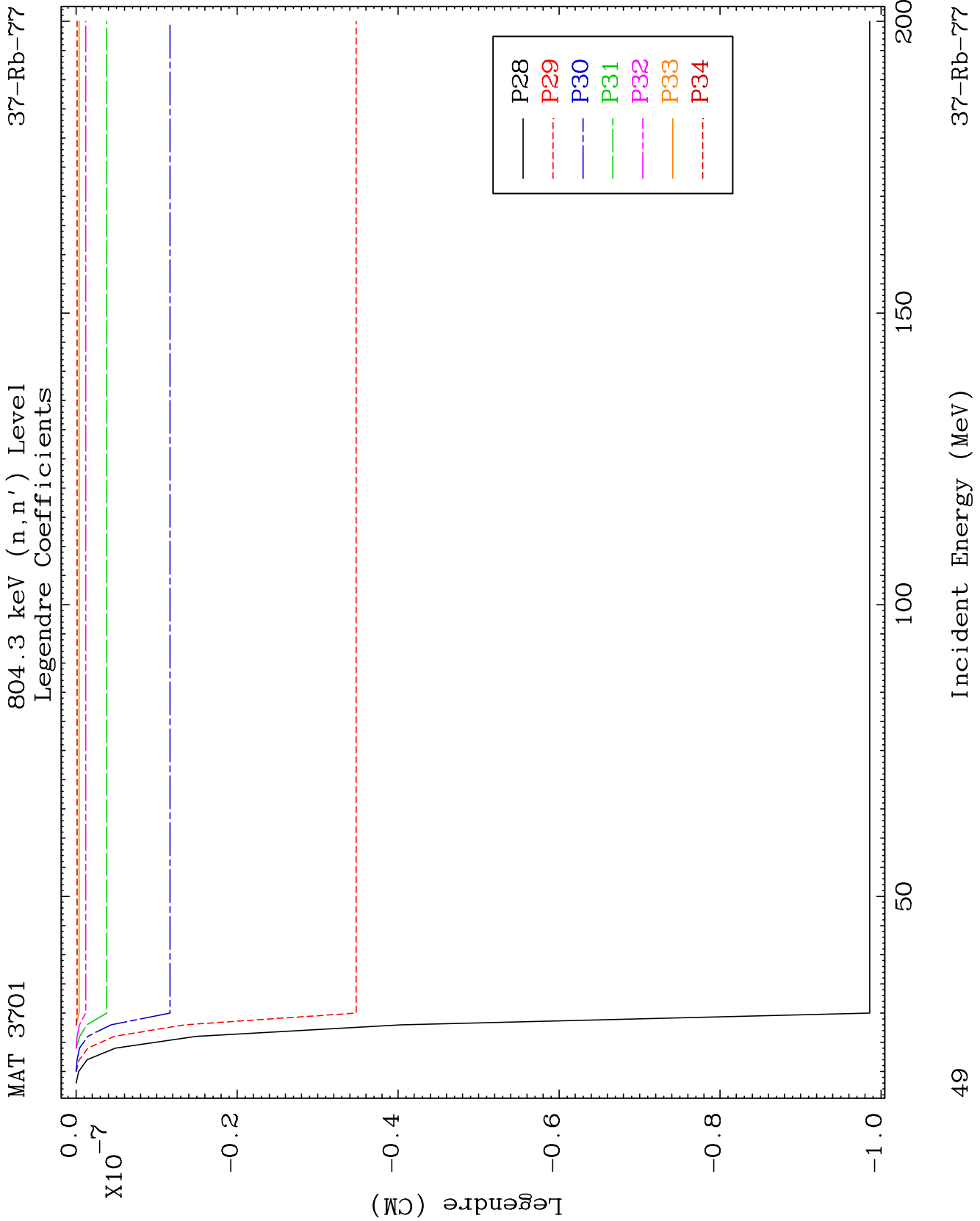
37-Rb-77



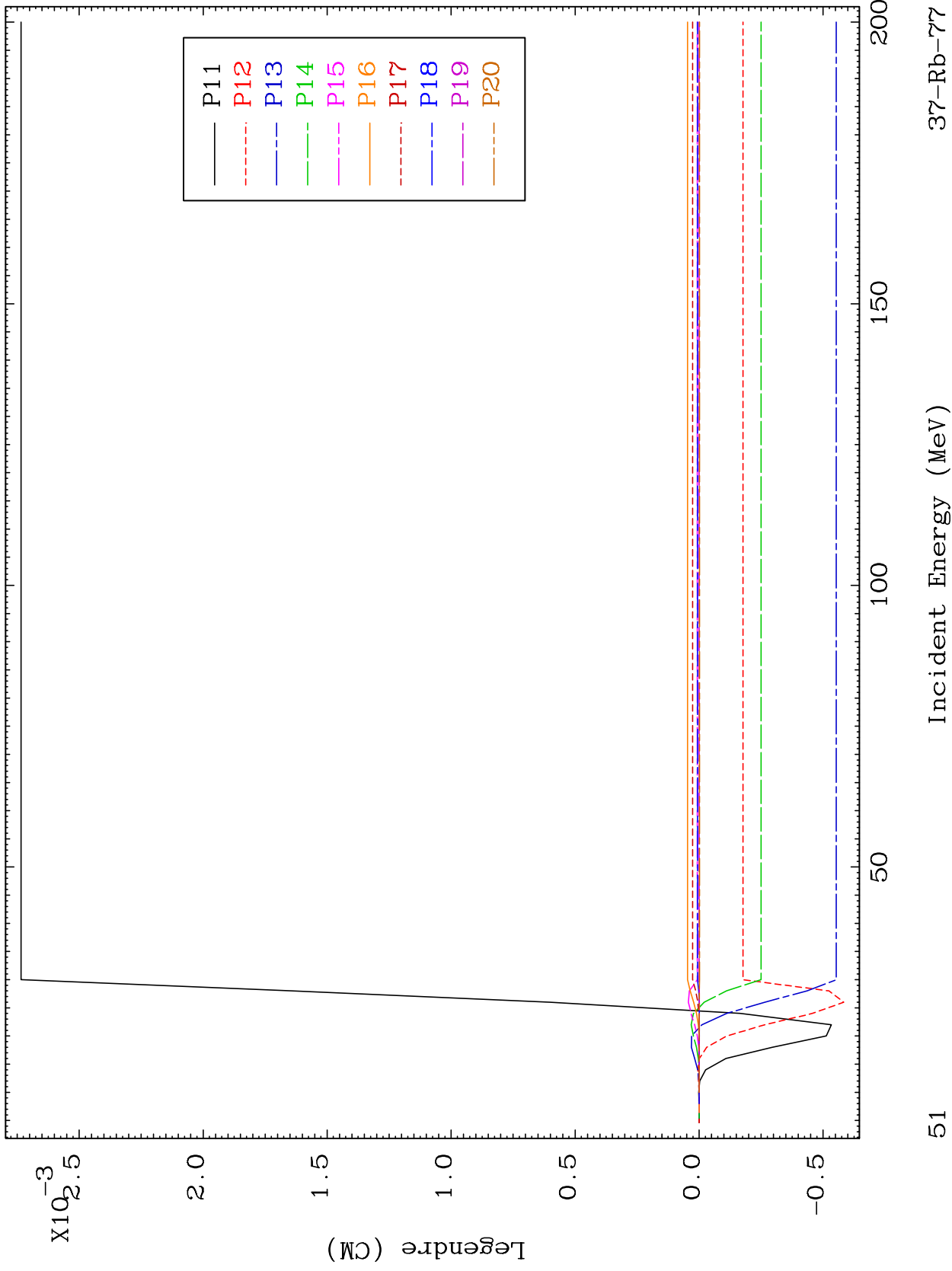
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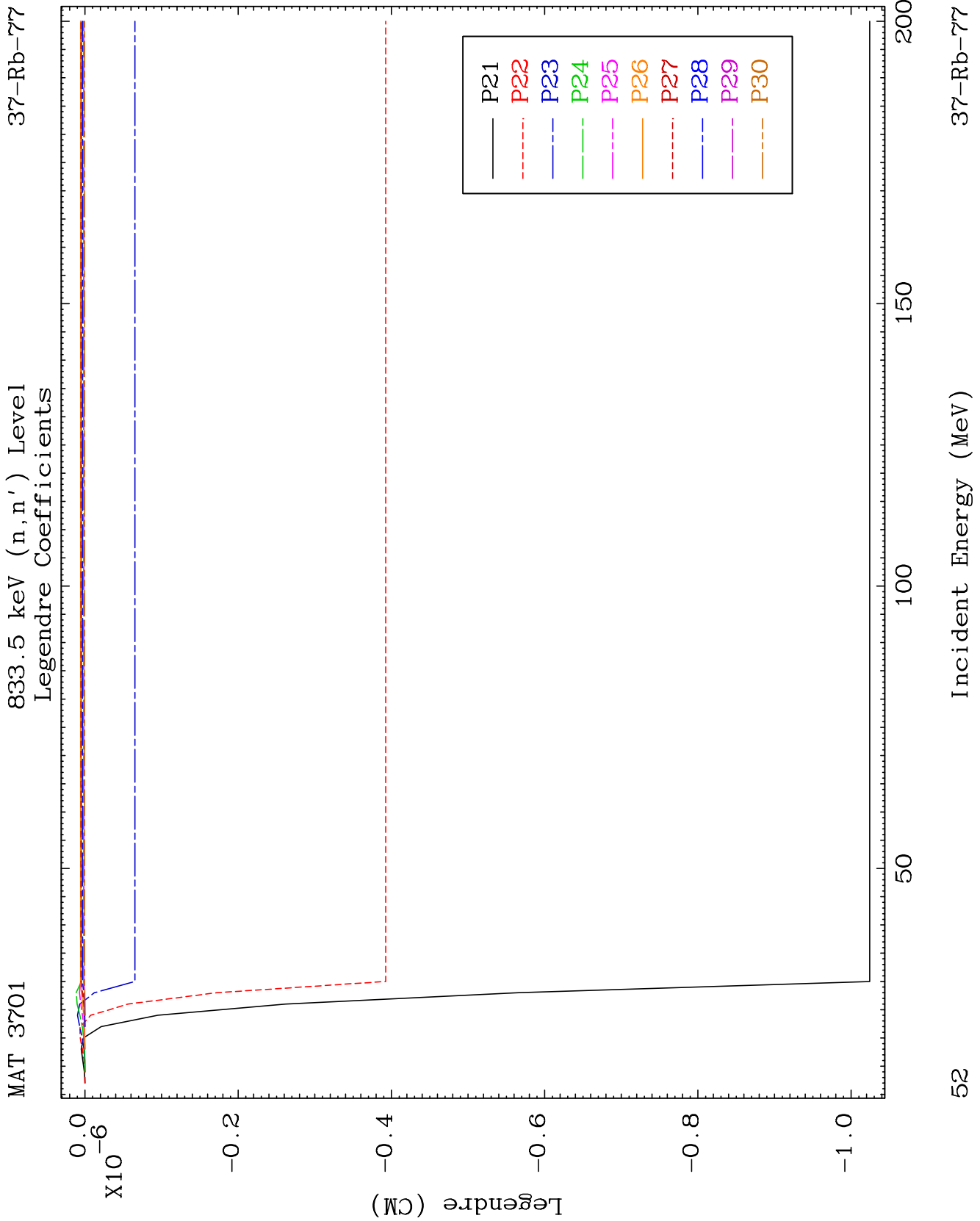
Incident Energy (MeV)

37-Rb-77





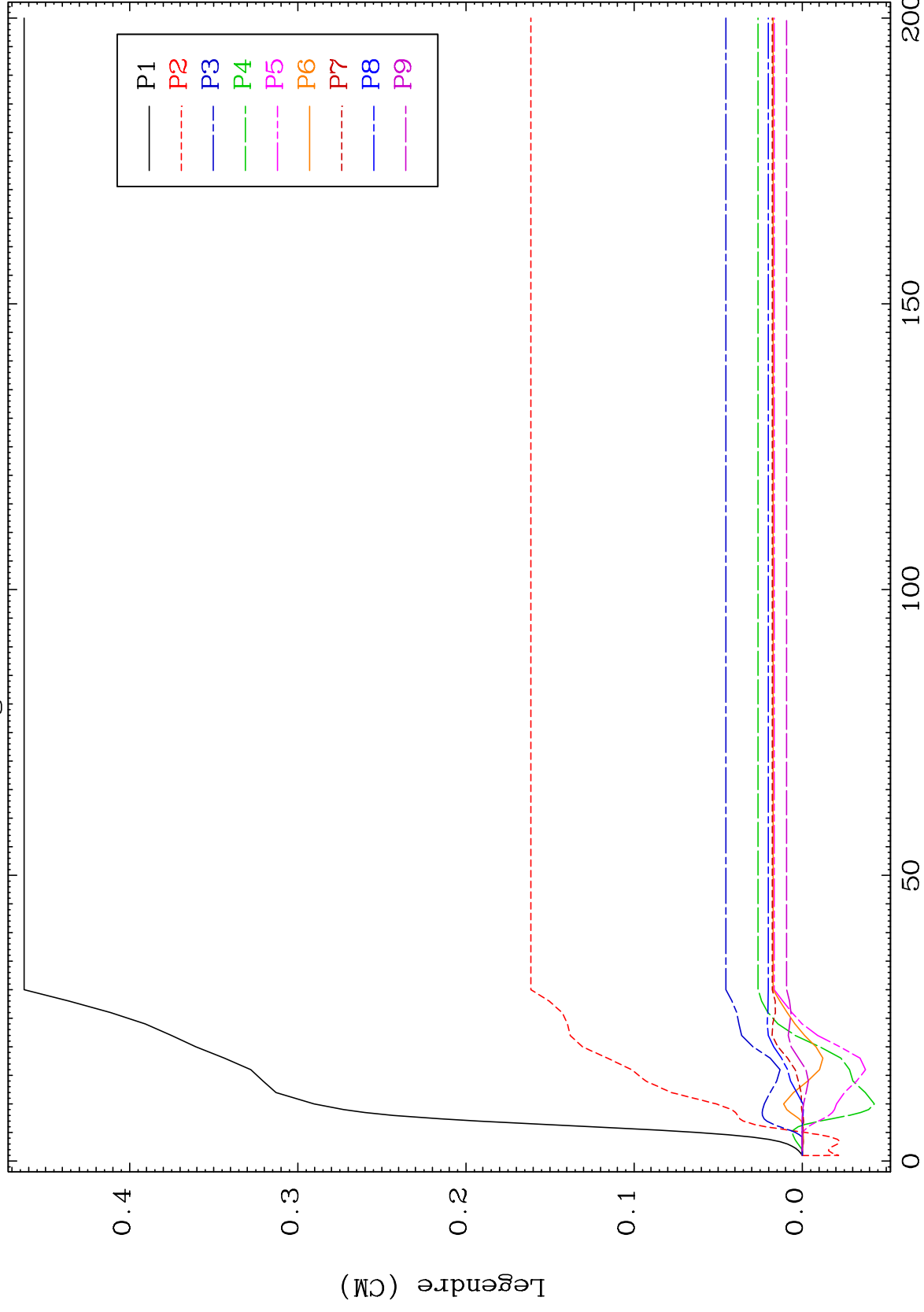




MAT 3701

943.9 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



53

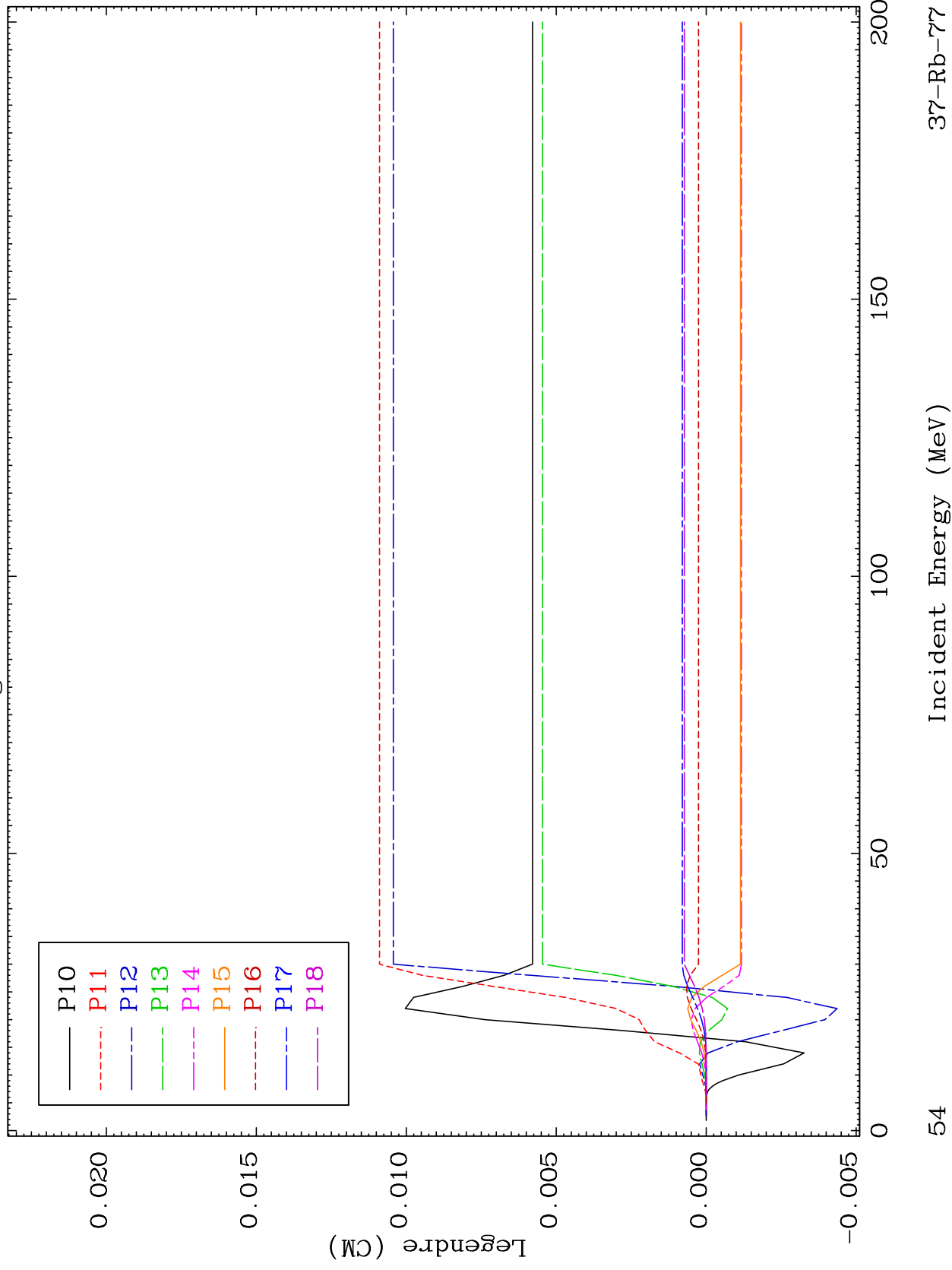
Incident Energy (MeV)

37-Rb-77

MAT 3701

943.9 keV (n,n') Level  
Legendre Coefficients

37-Rb-77



54

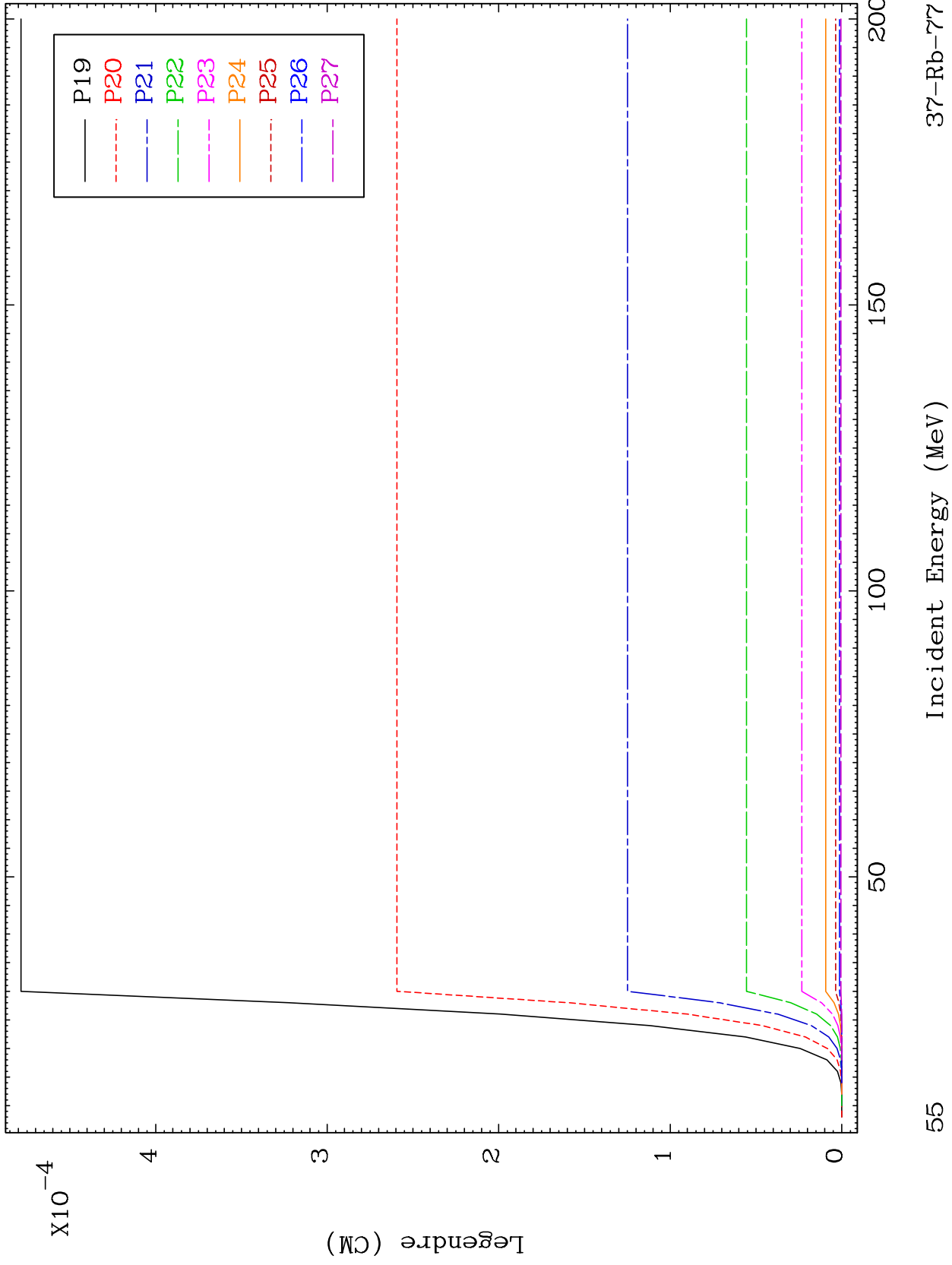
Incident Energy (MeV)

37-Rb-77

MAT 3701

943.9 keV (n,n') Level  
Legendre Coefficients

37-Rb-77

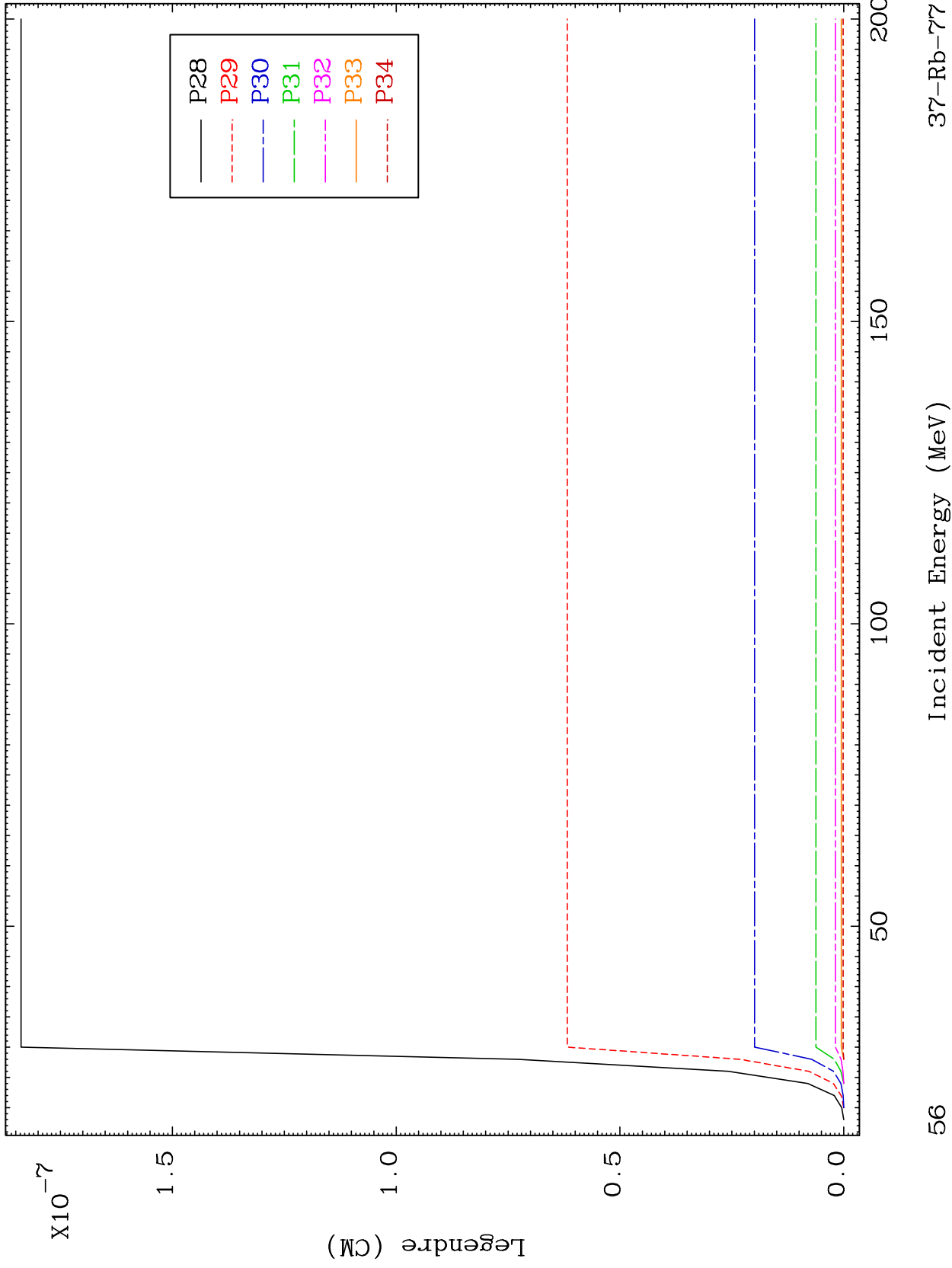


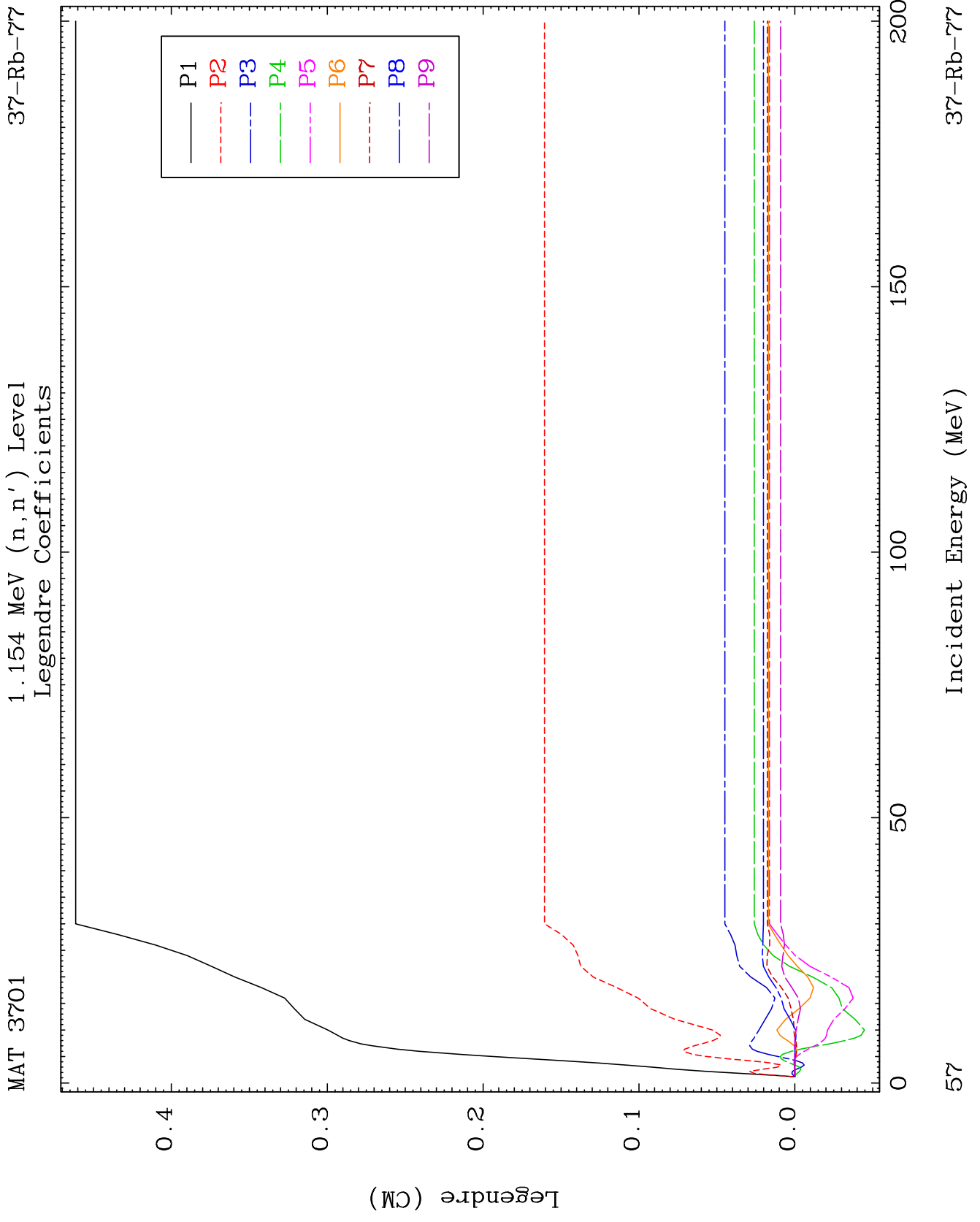
55

Incident Energy (MeV)

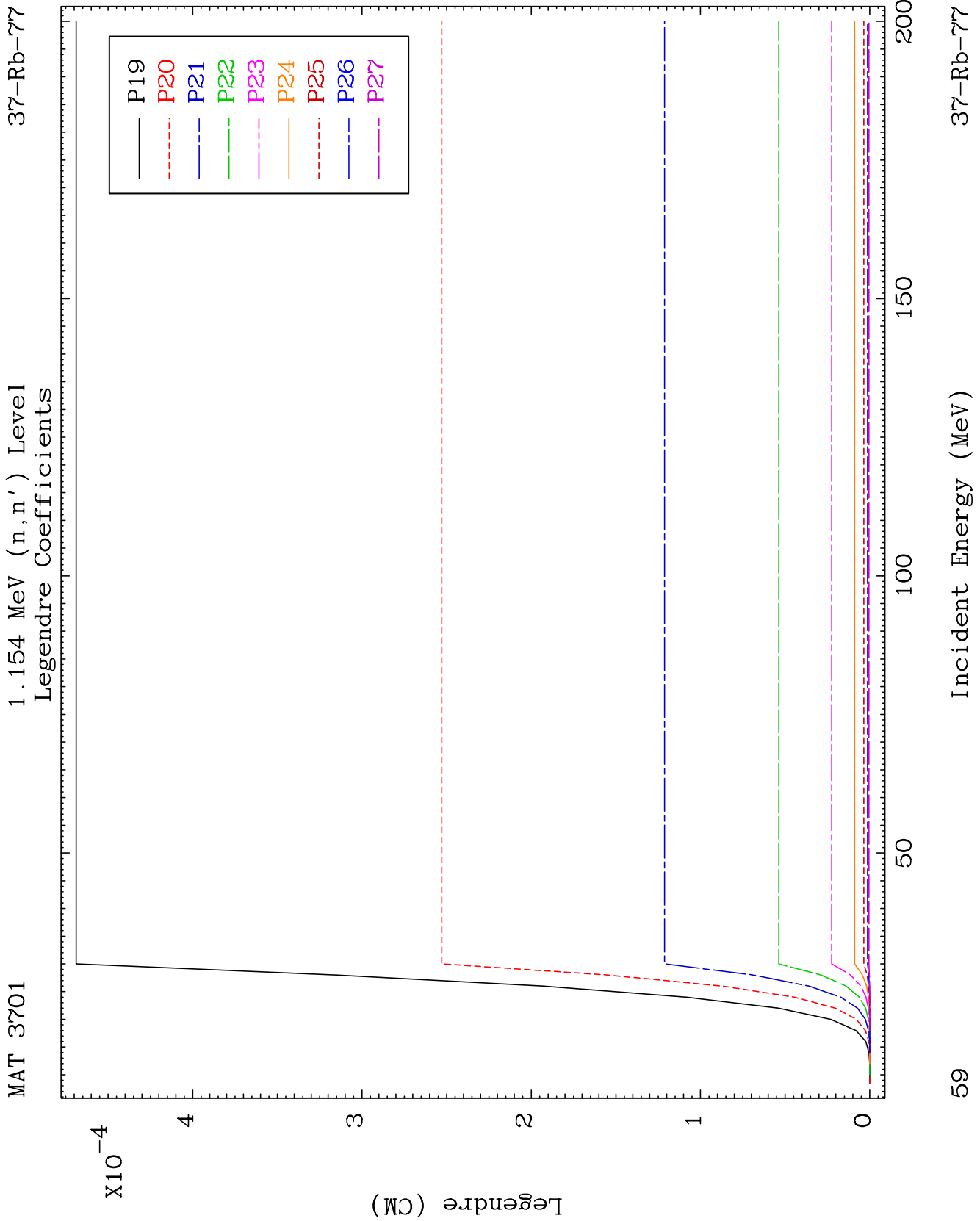
37-Rb-77

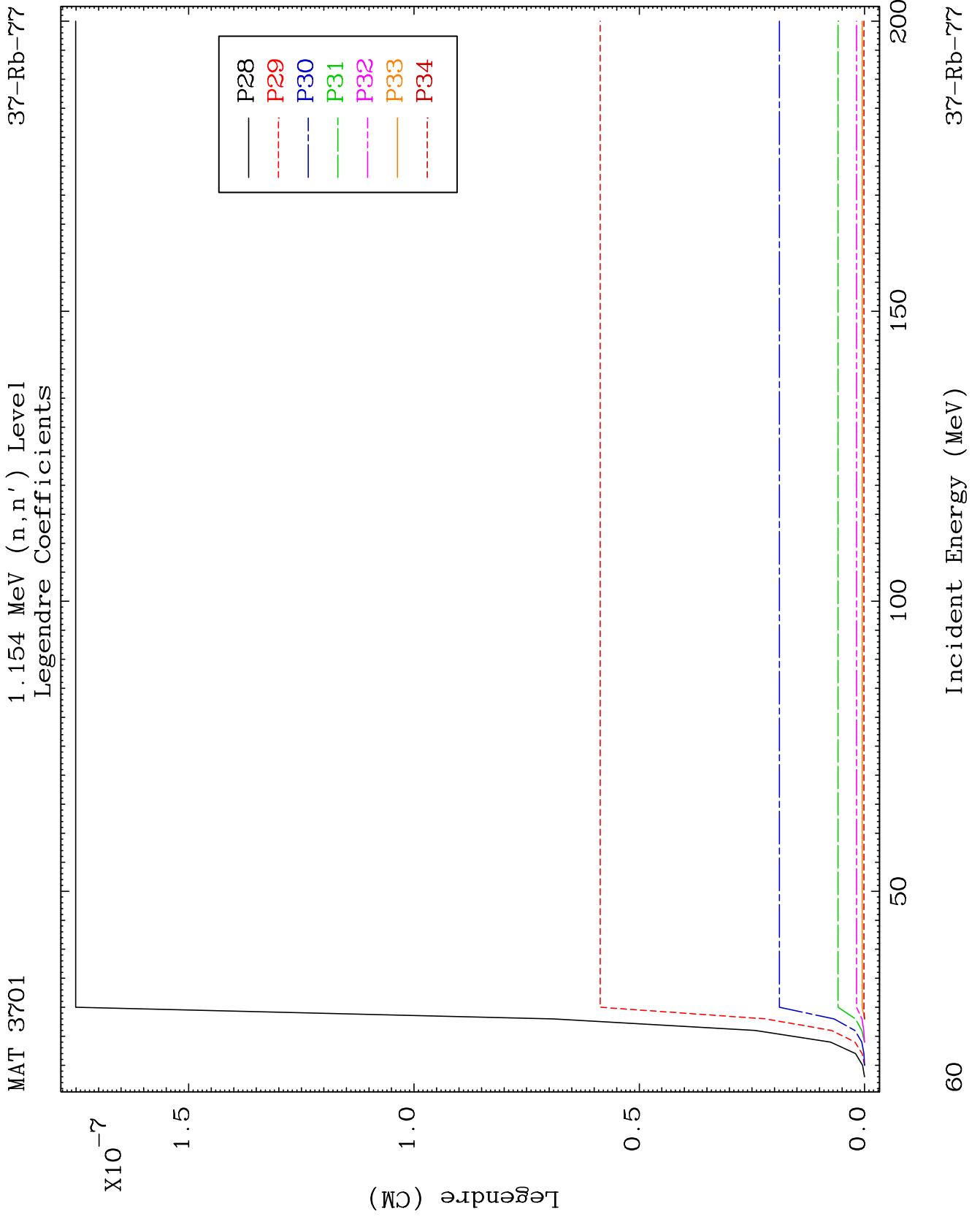










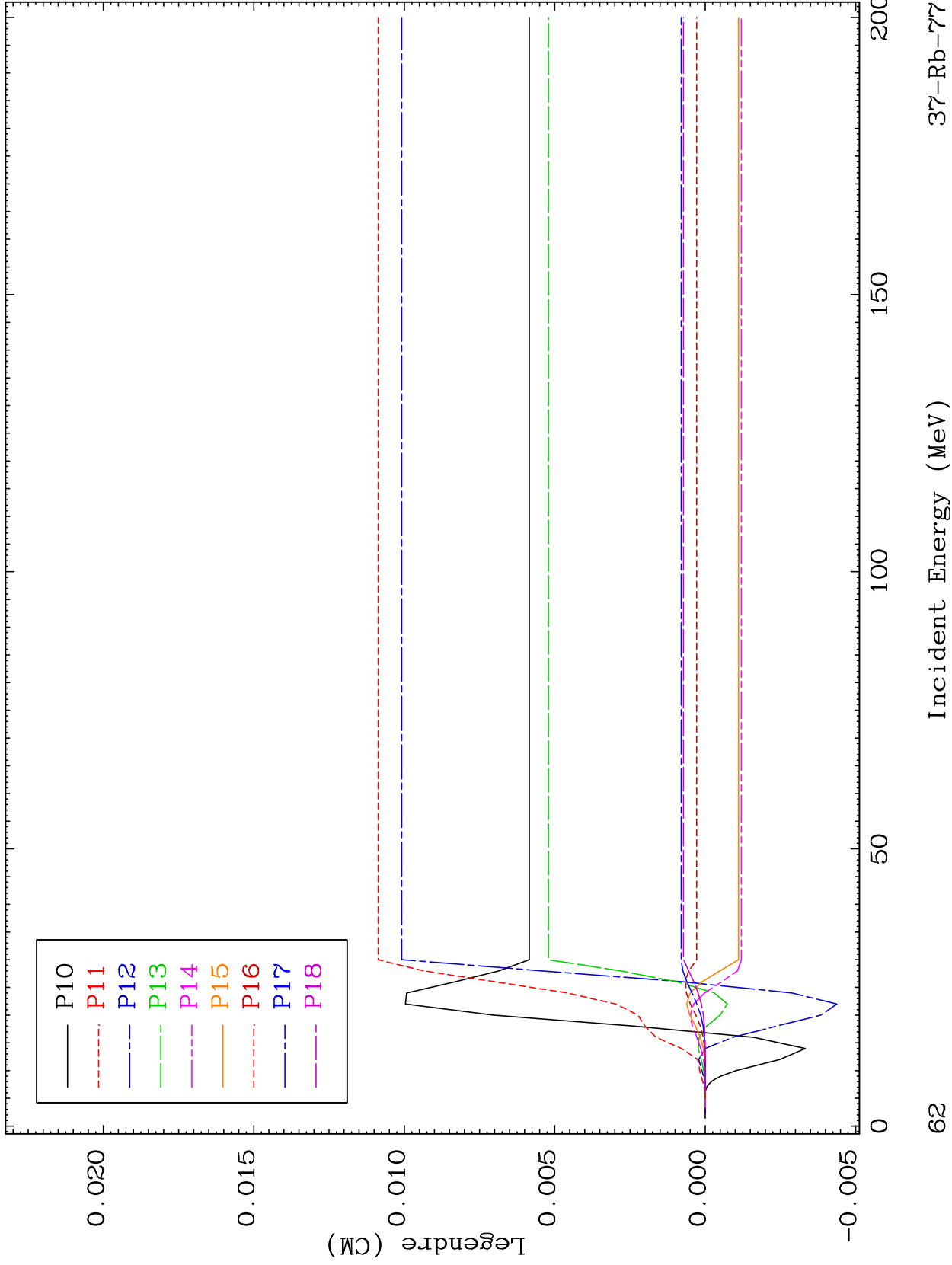




MAT 3701

1.249 MeV (n, n') Level  
Legendre Coefficients

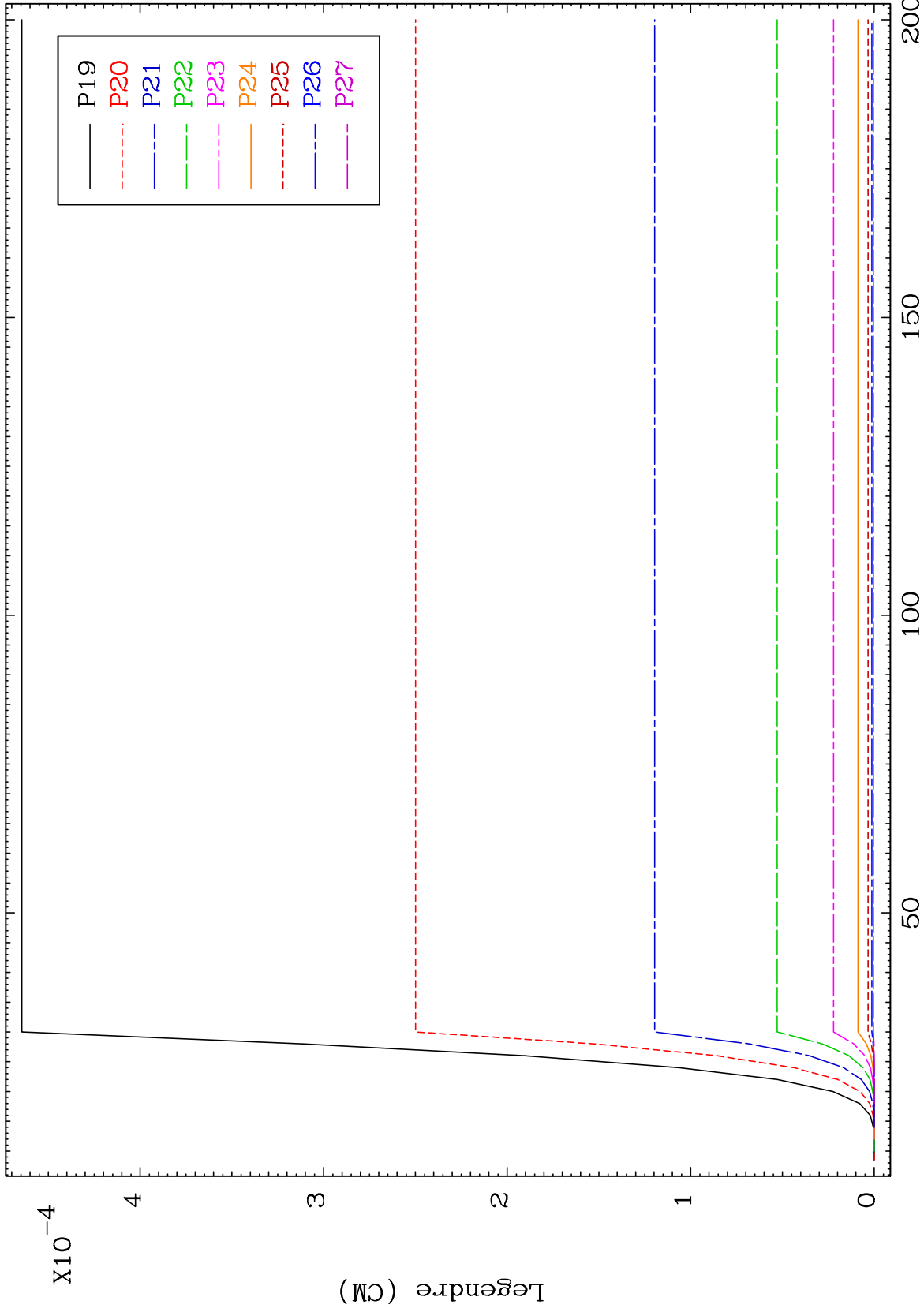
37-Rb-77



62

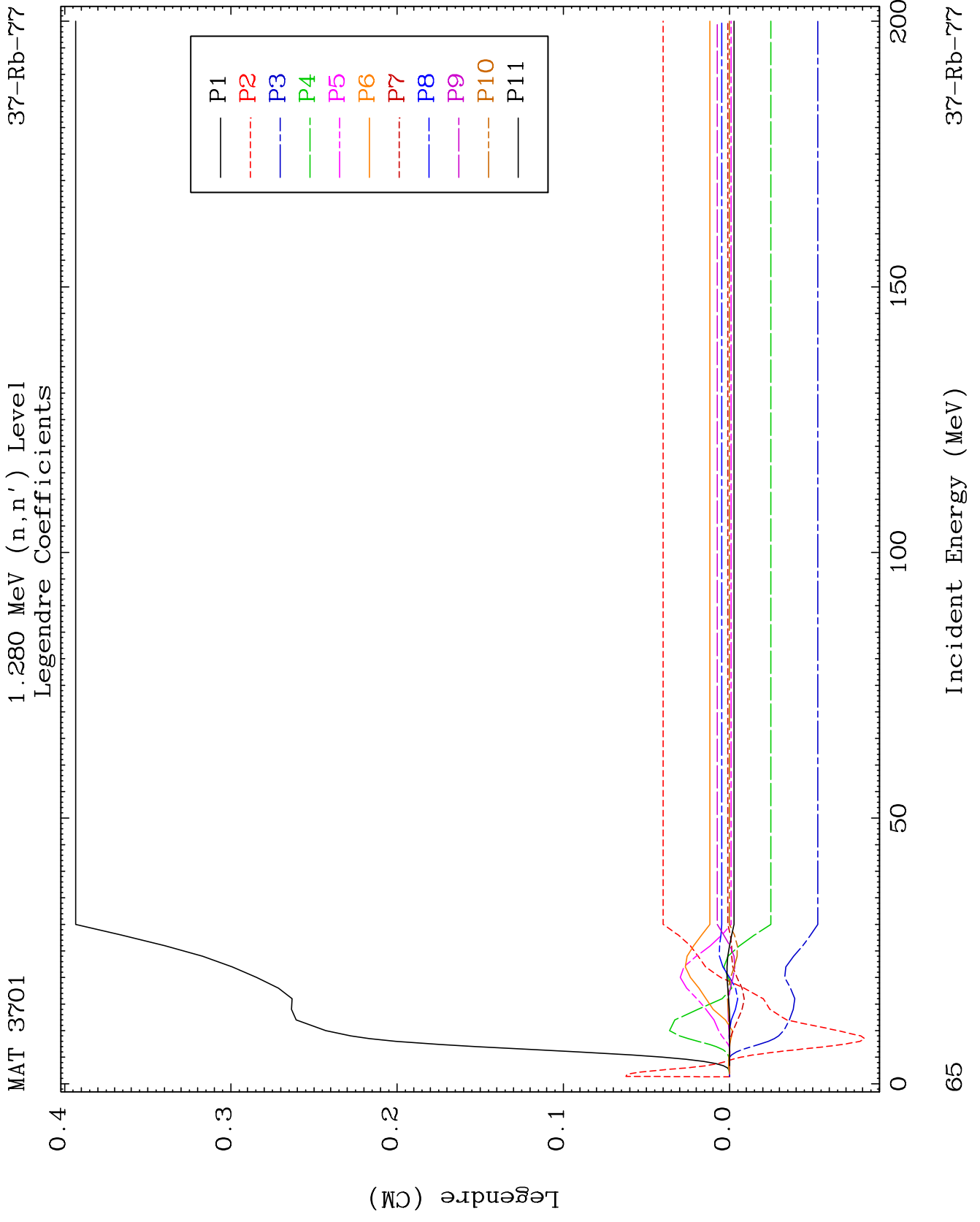
Incident Energy (MeV)

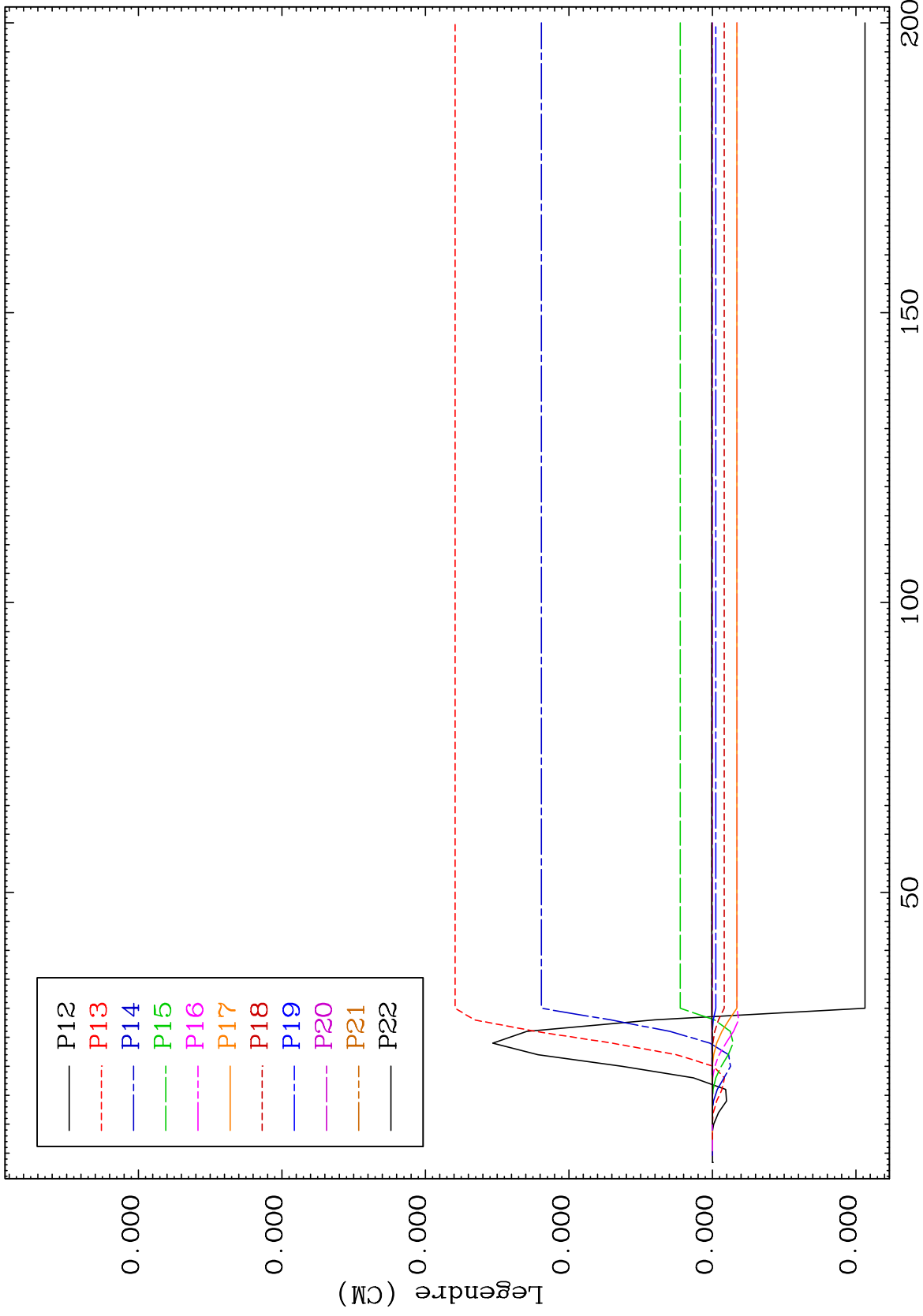
37-Rb-77

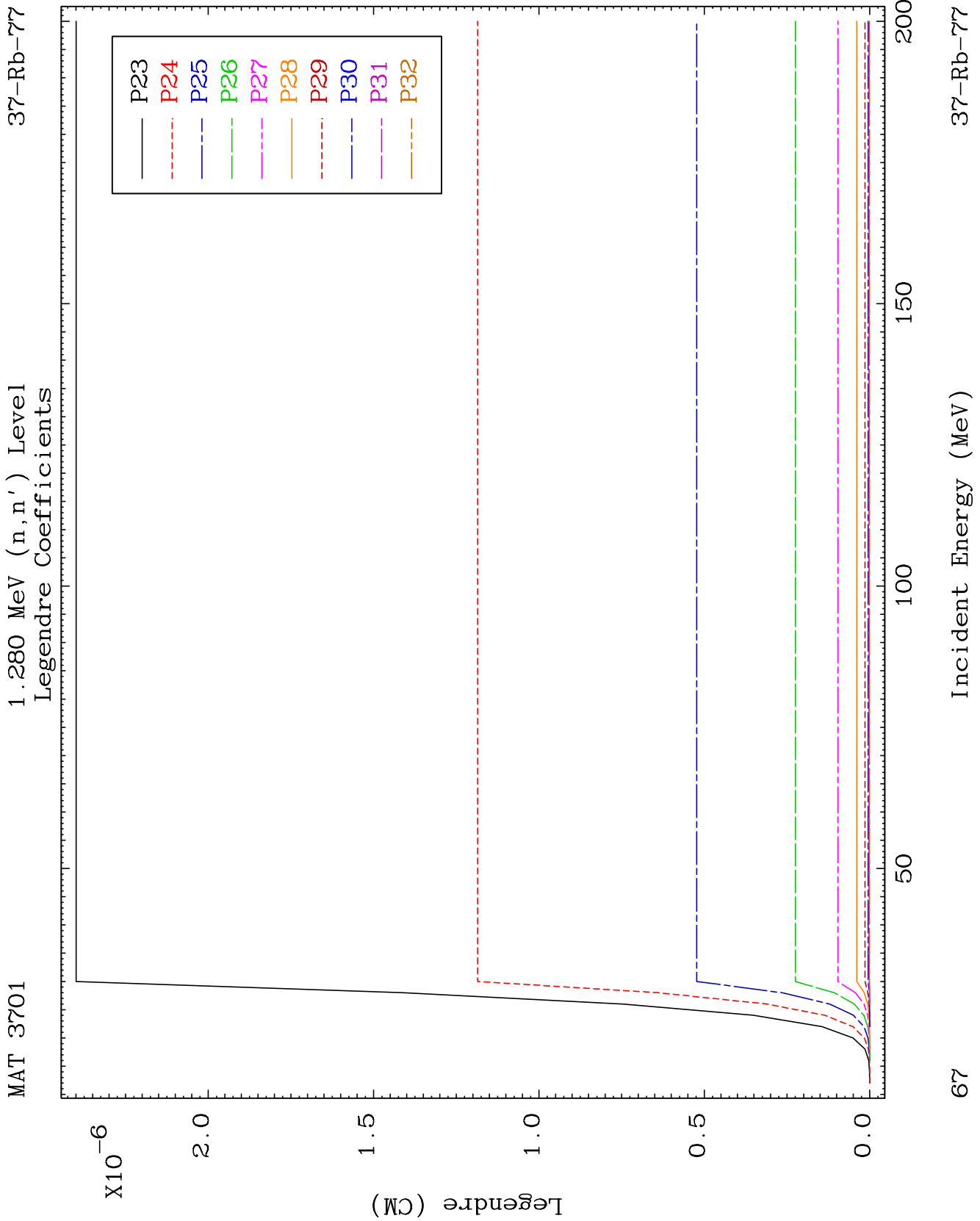












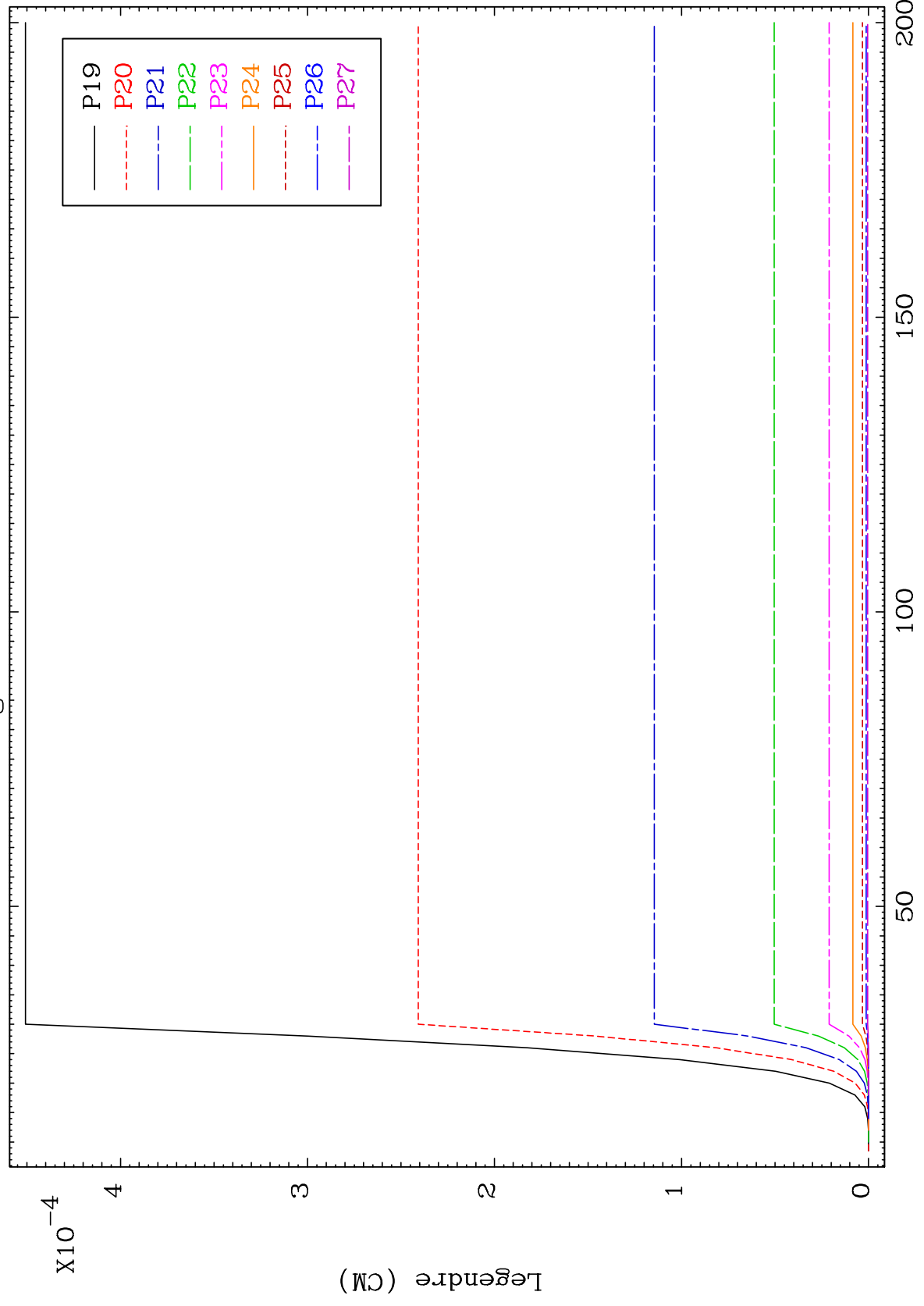




MAT 3701

1.541 MeV (n,n') Level  
Legendre Coefficients

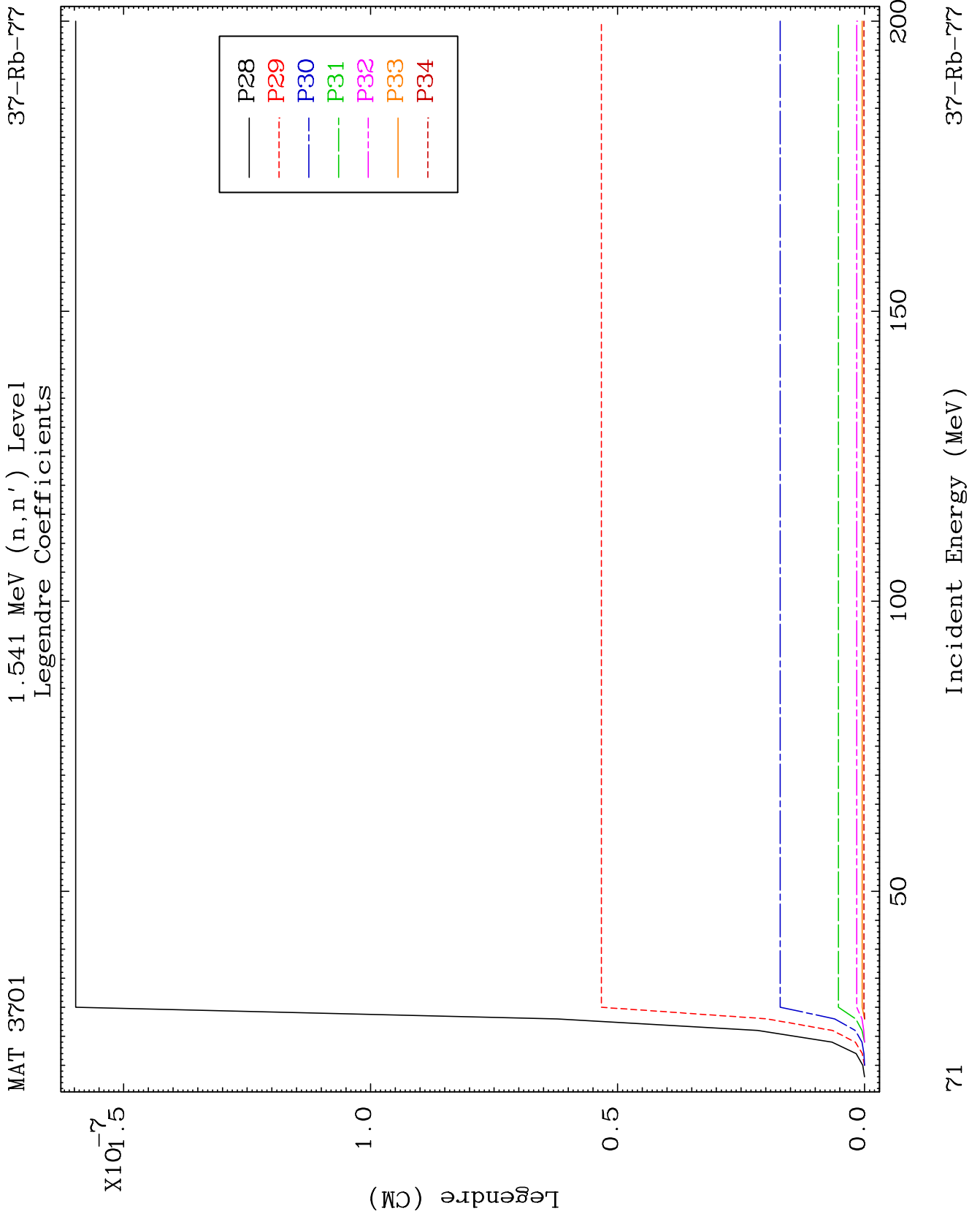
37-Rb-77



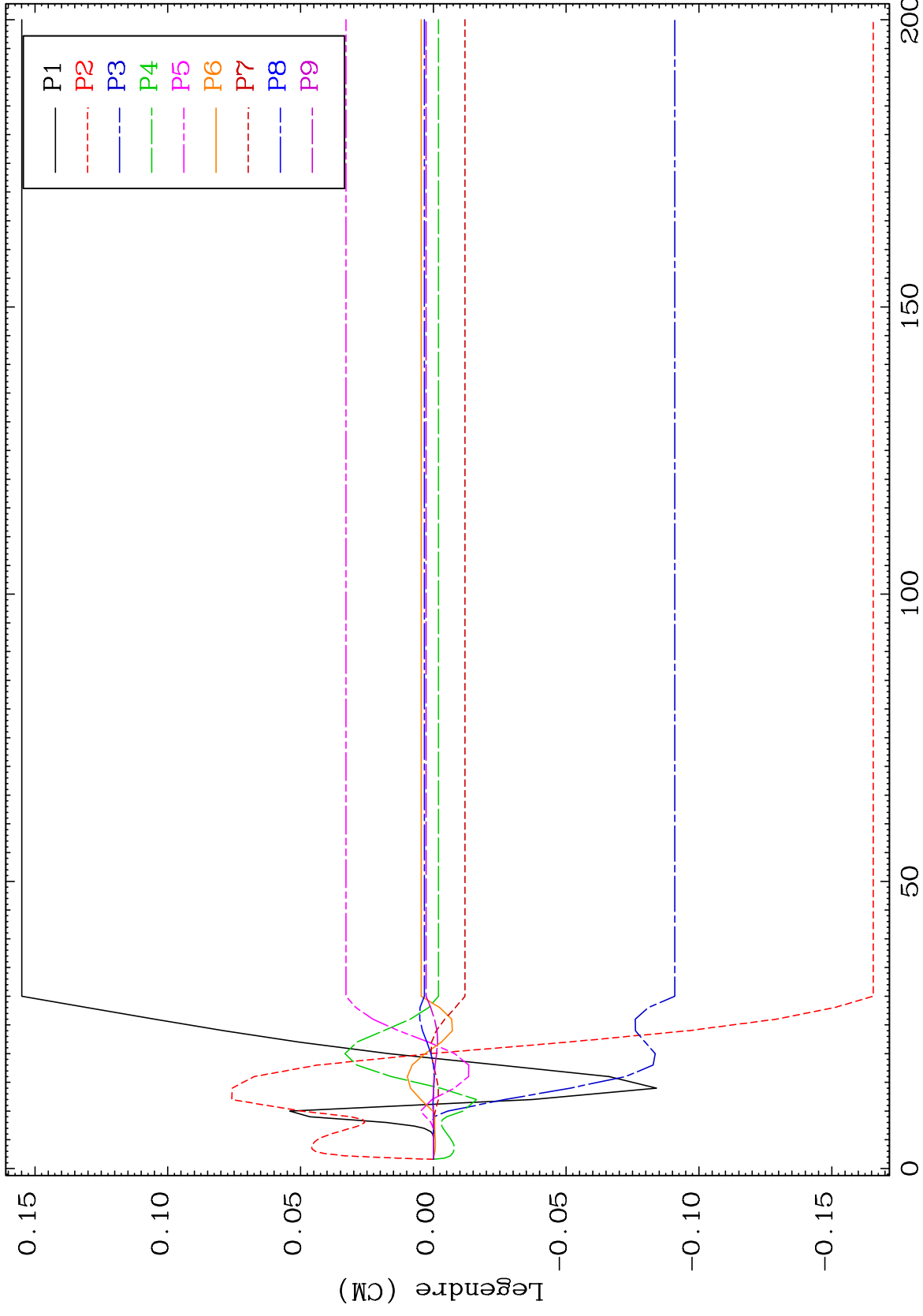
37-Rb-77

Incident Energy (MeV)

70



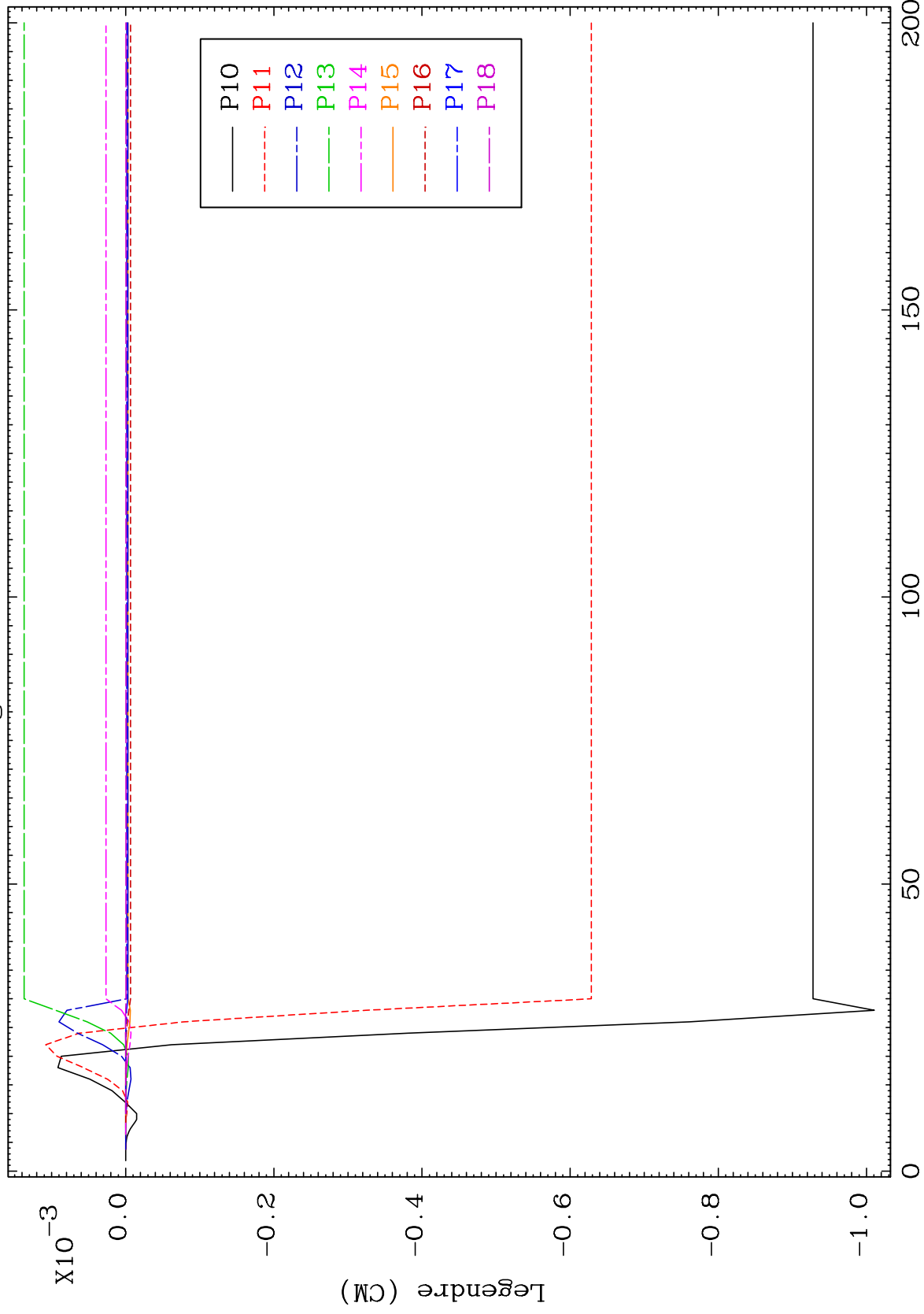




MAT 3701

1.576 MeV (n,n') Level  
Legendre Coefficients

37-Rb-77



73

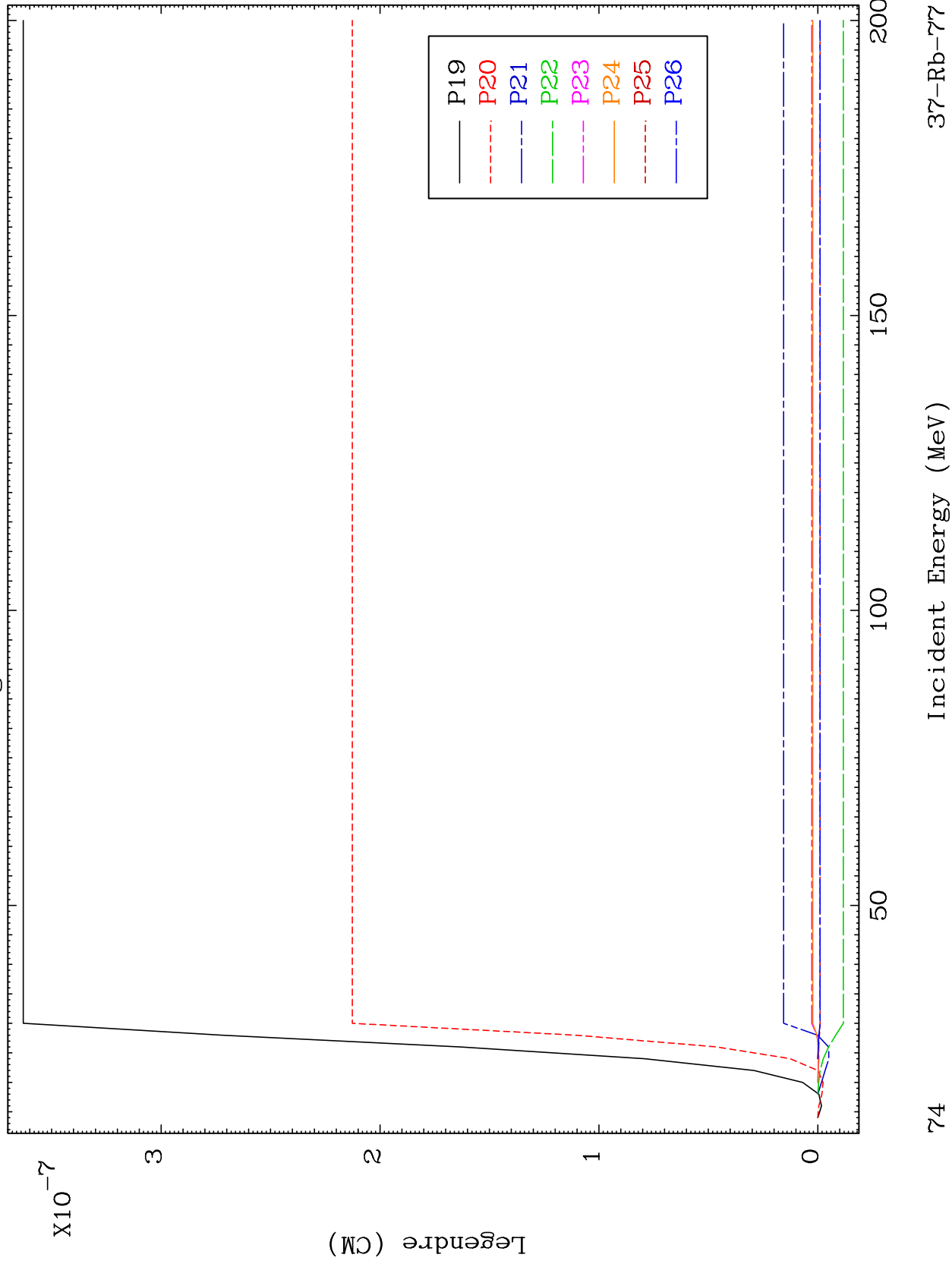
Incident Energy (MeV)

37-Rb-77

MAT 3701

1.576 MeV (n, n') Level  
Legendre Coefficients

37-Rb-77



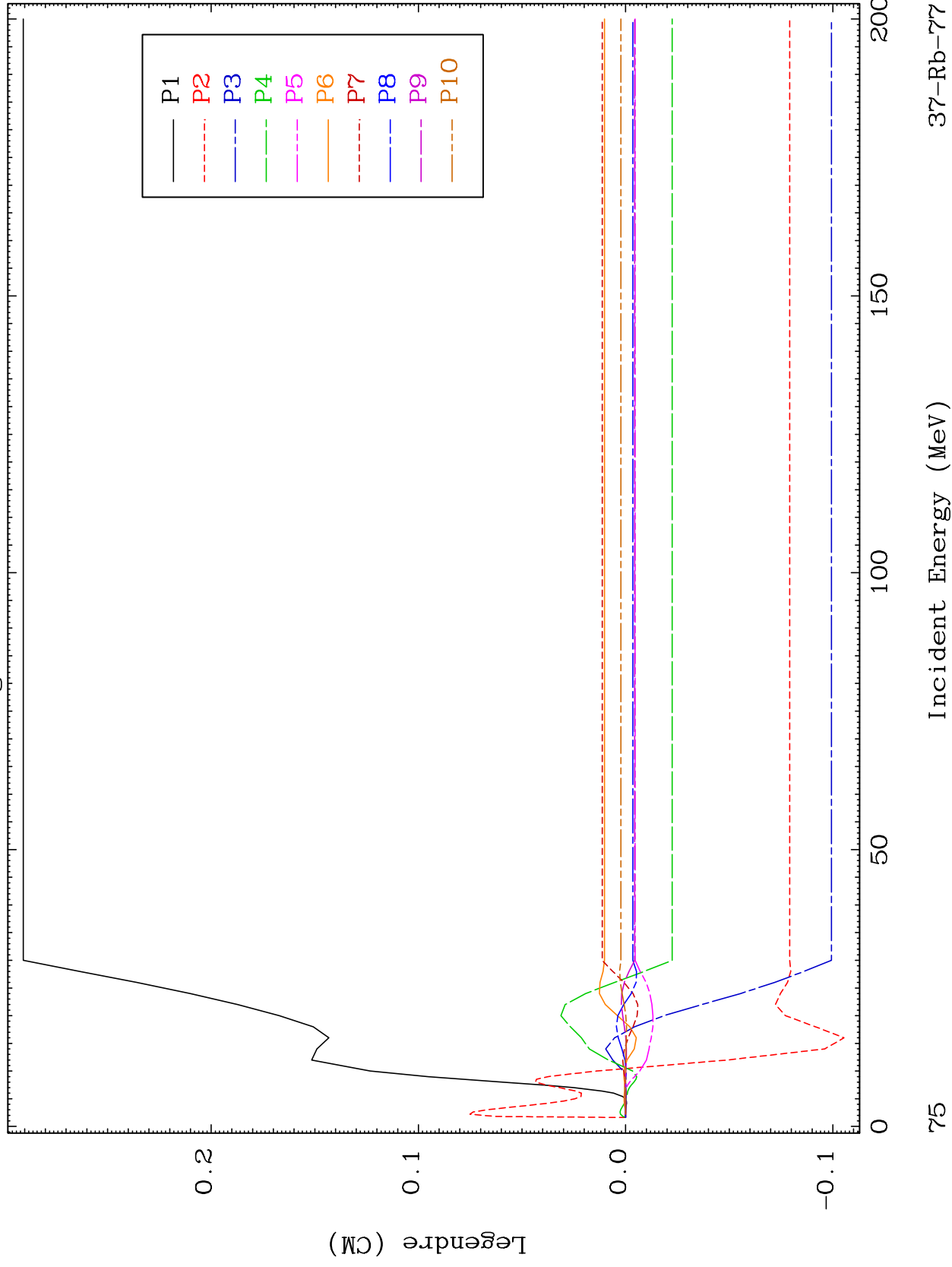
74

37-Rb-77

MAT 3701

1.590 MeV (n,n') Level  
Legendre Coefficients

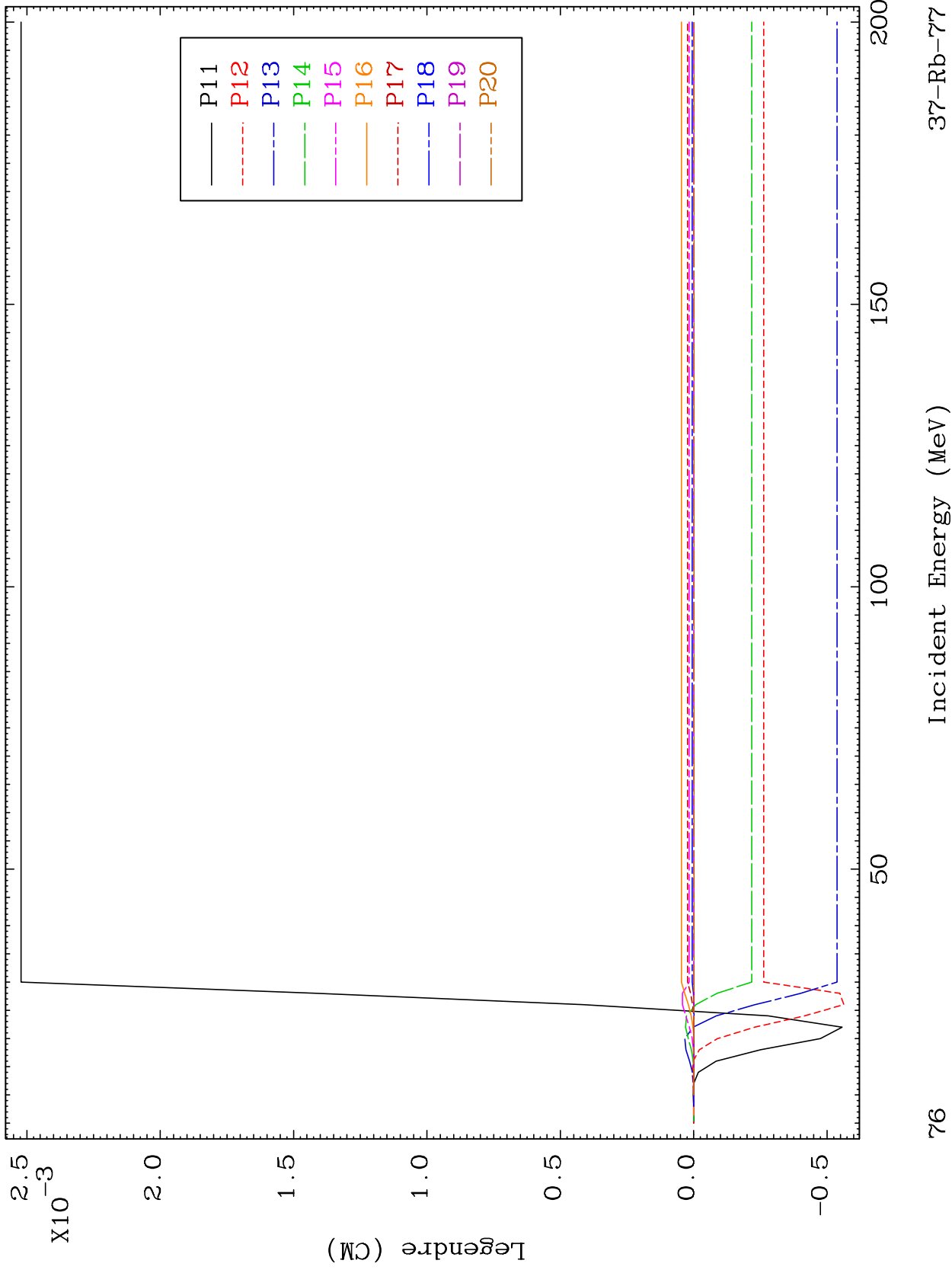
37-Rb-77

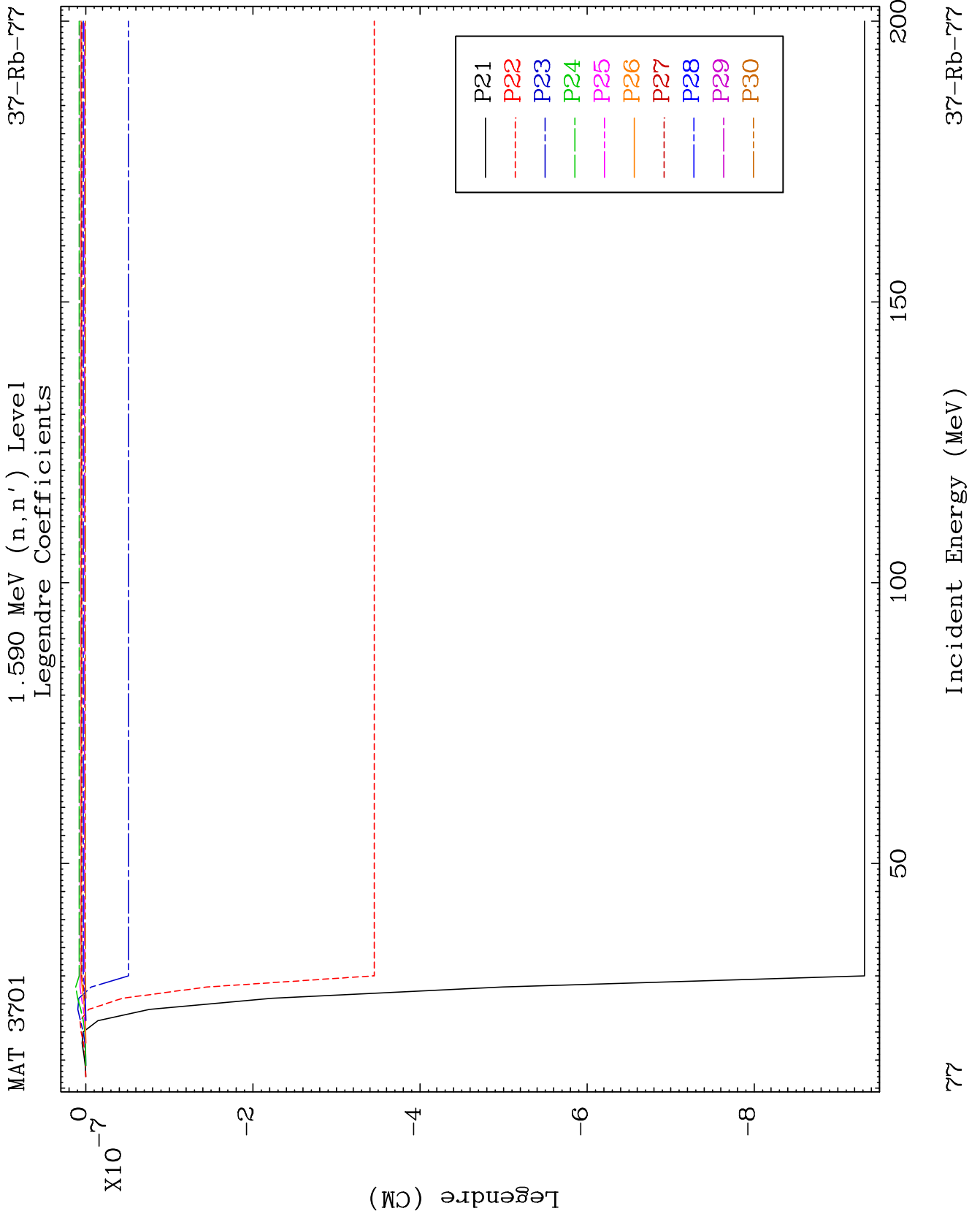


37-Rb-77

Incident Energy (MeV)

75

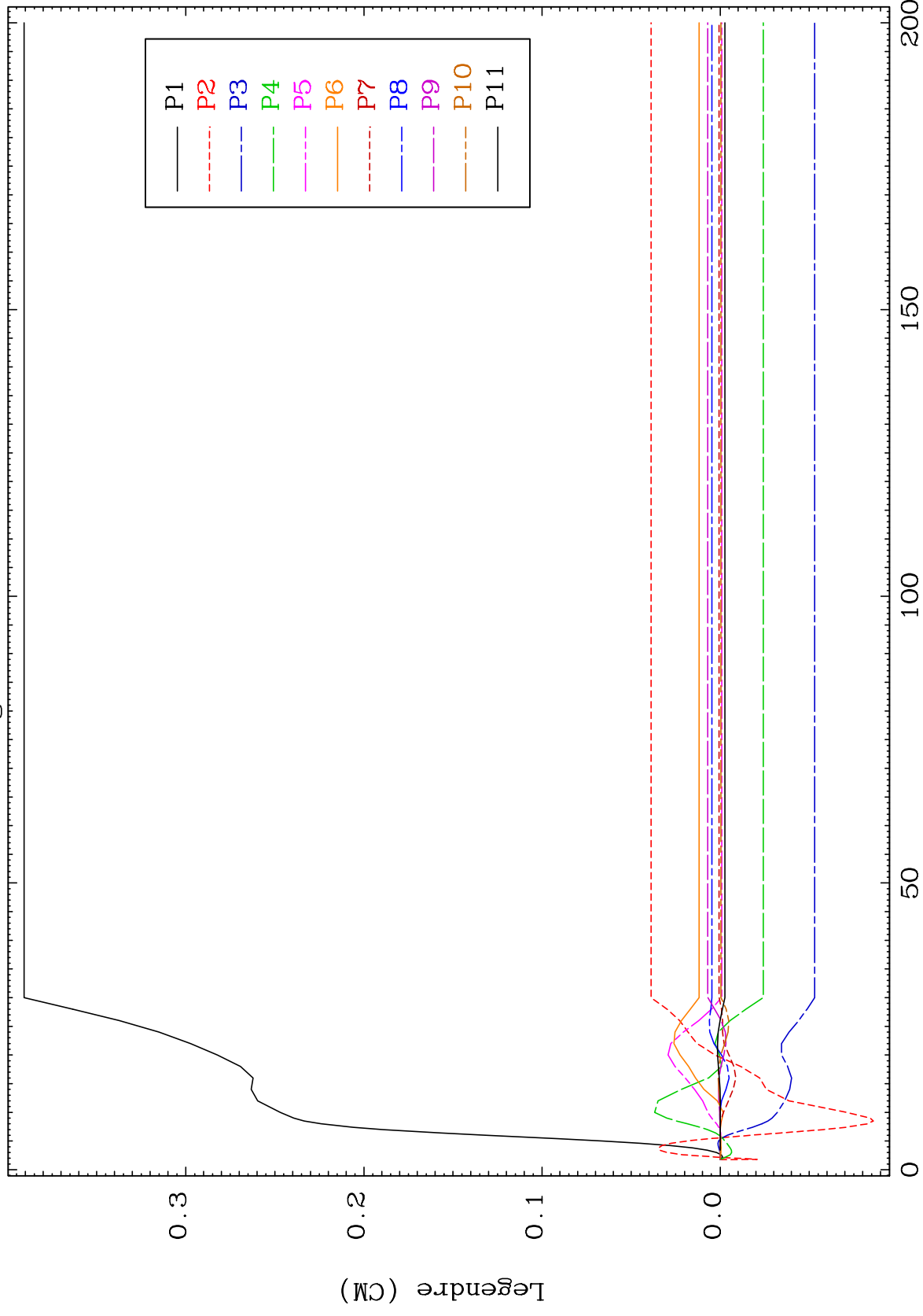




MAT 3701

1.717 MeV (n,n') Level  
Legendre Coefficients

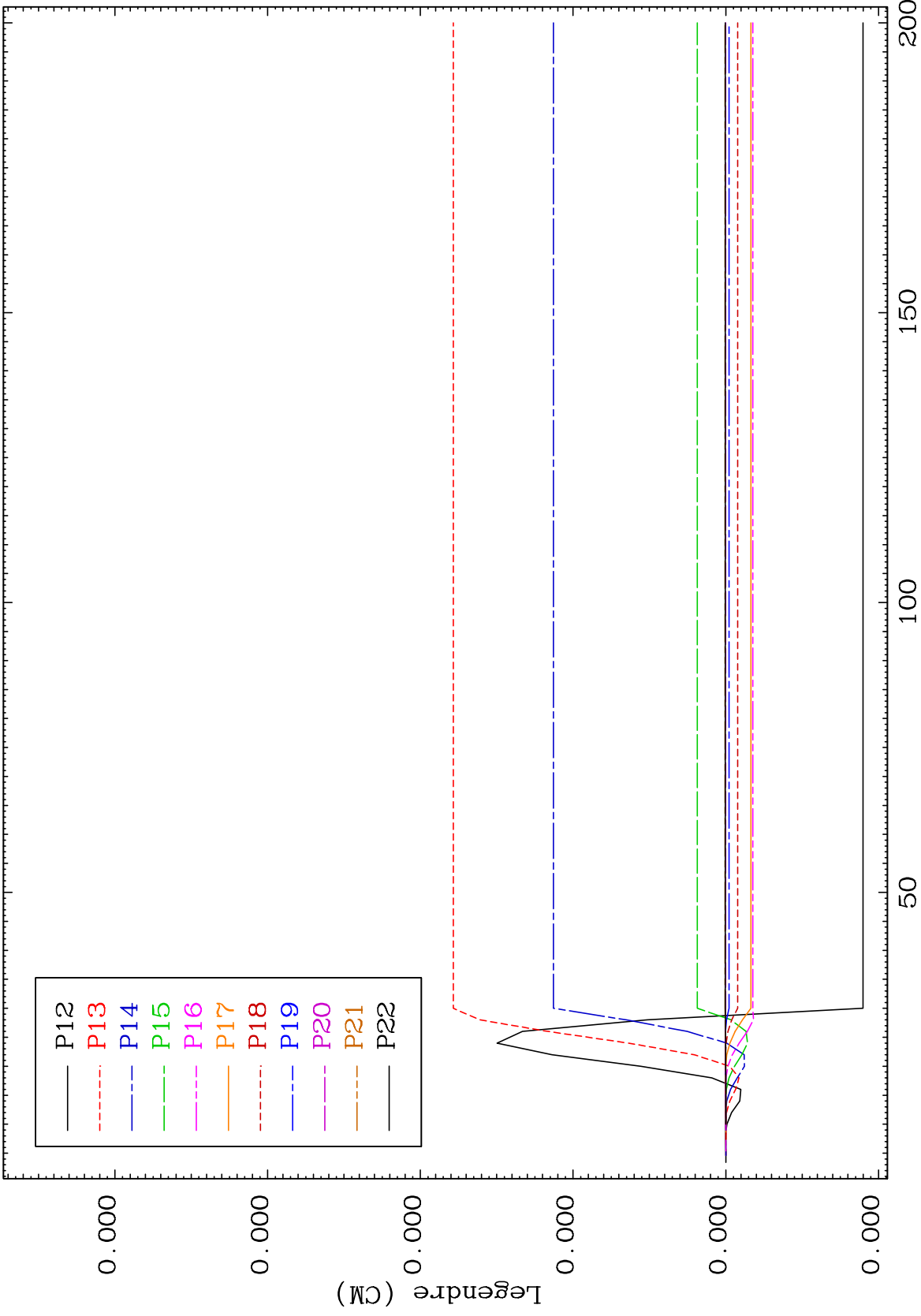
37-Rb-77



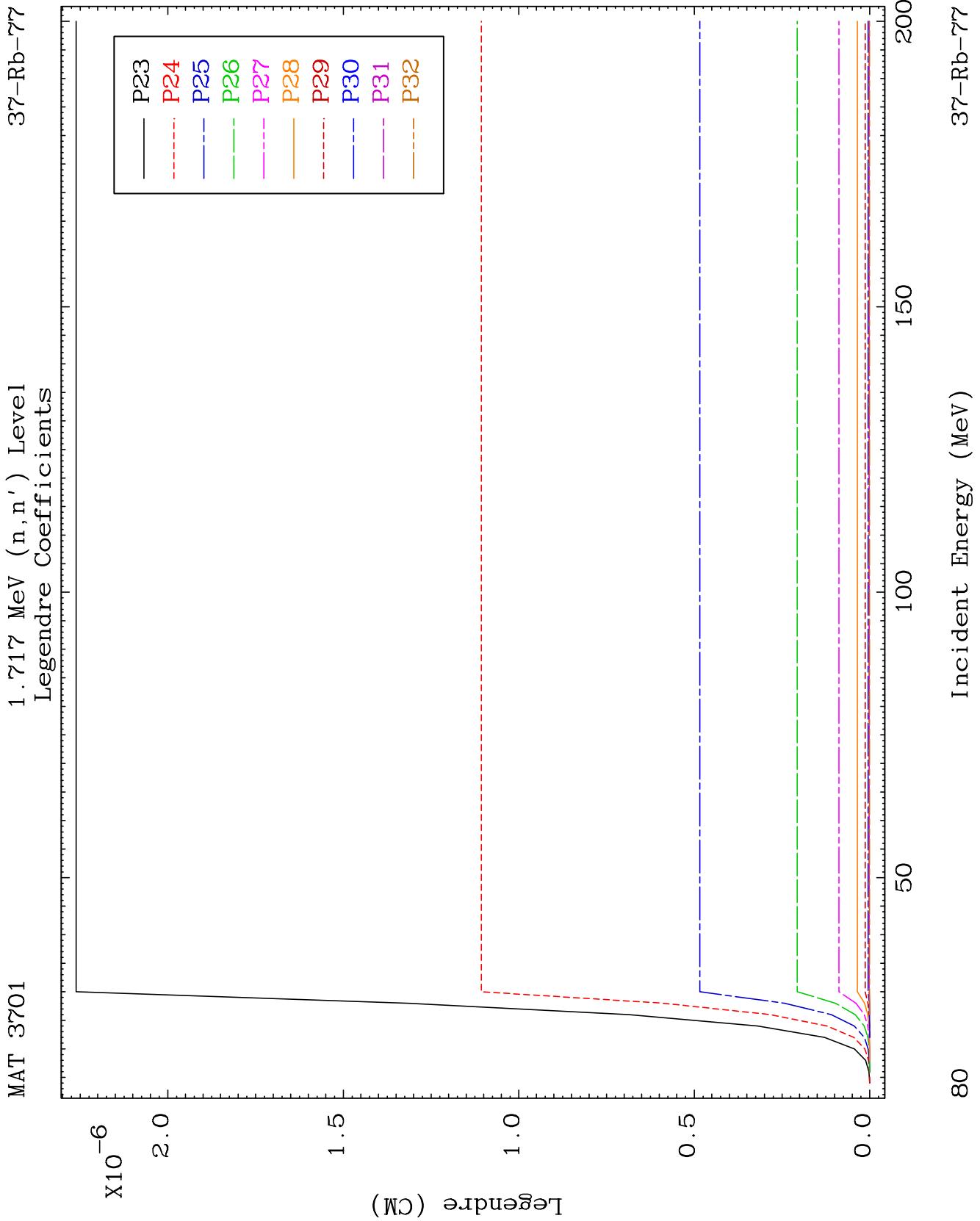
78

Incident Energy (MeV)

37-Rb-77



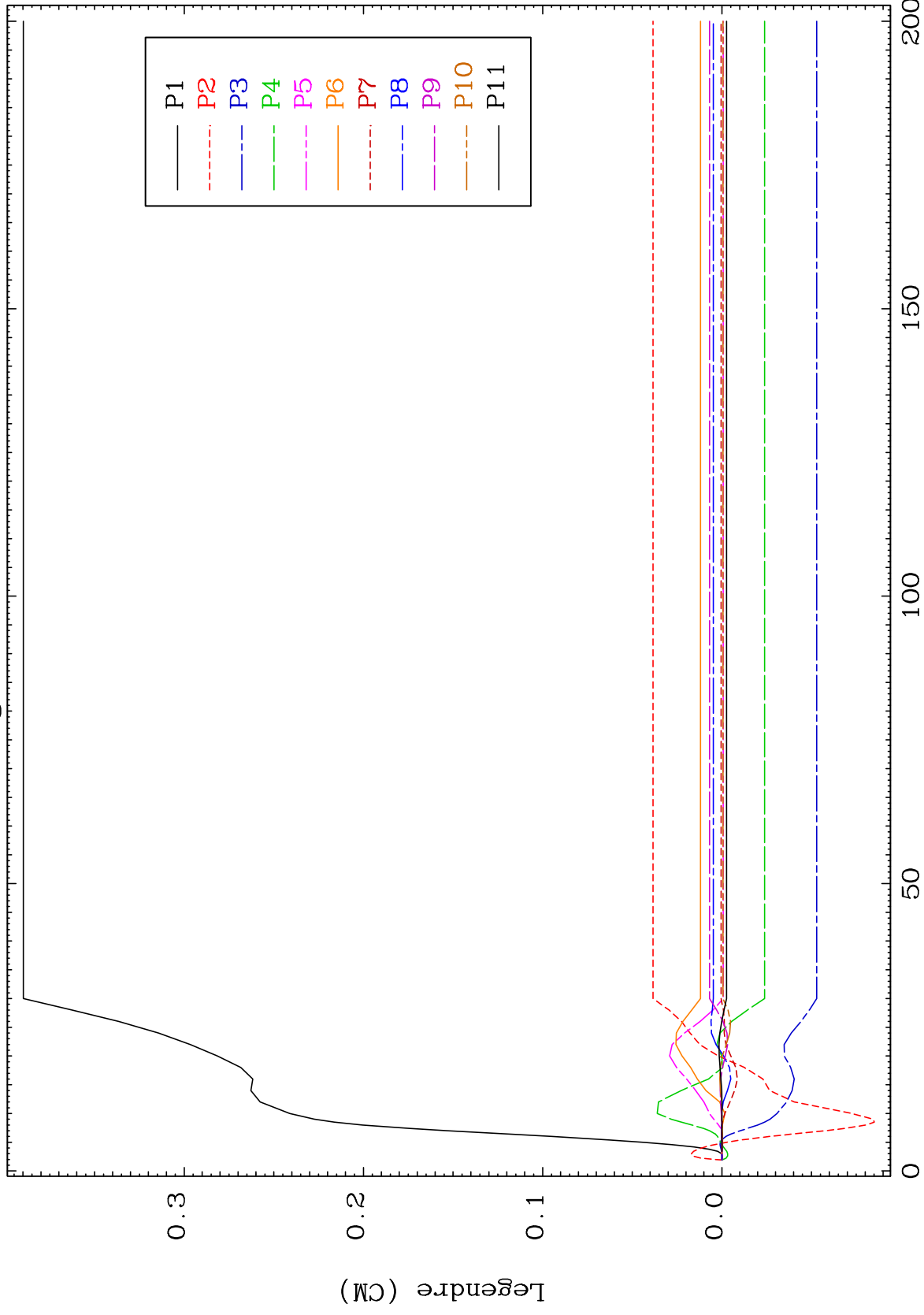




MAT 3701

1.883 MeV (n, n') Level  
Legendre Coefficients

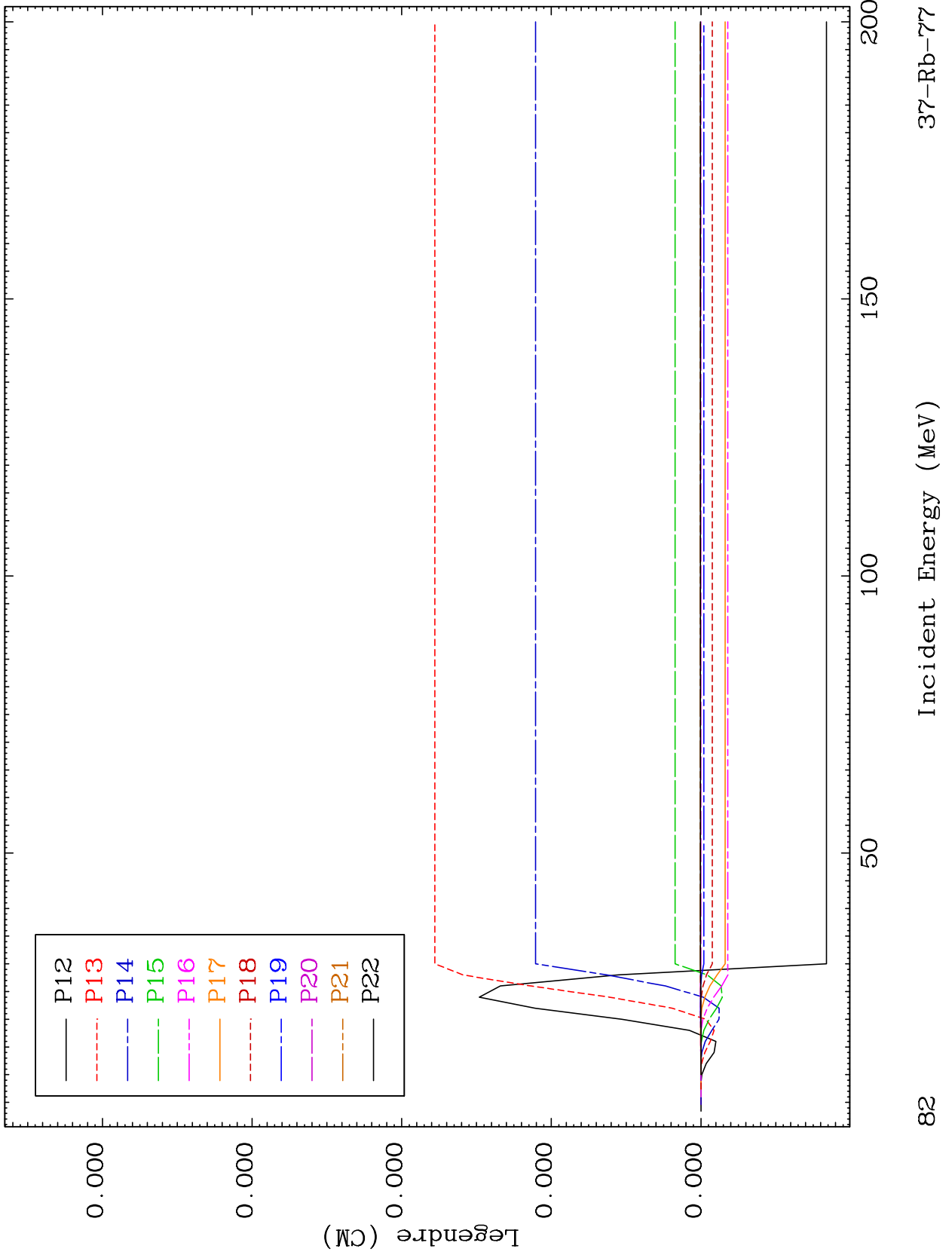
37-Rb-77

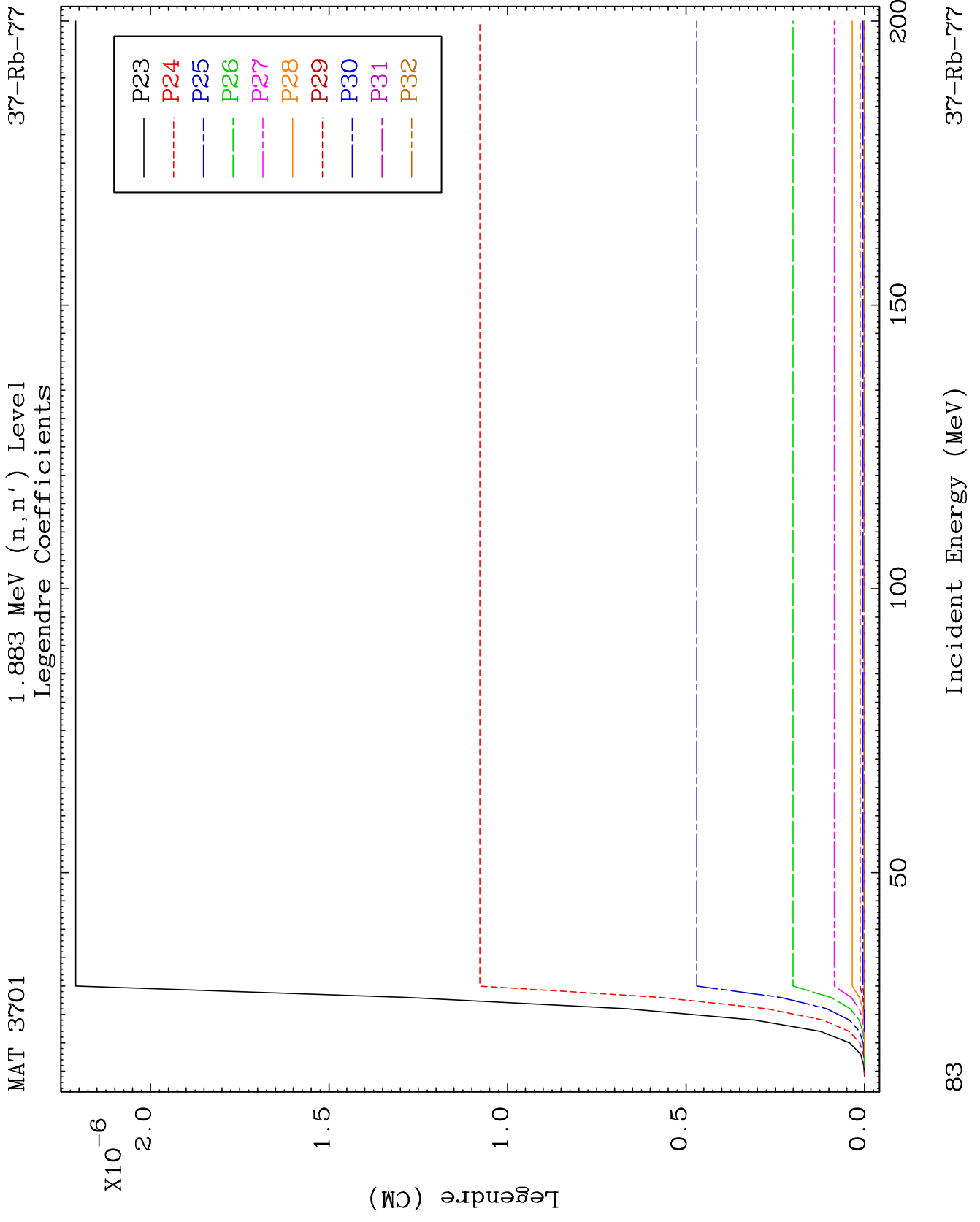


81

Incident Energy (MeV)

37-Rb-77

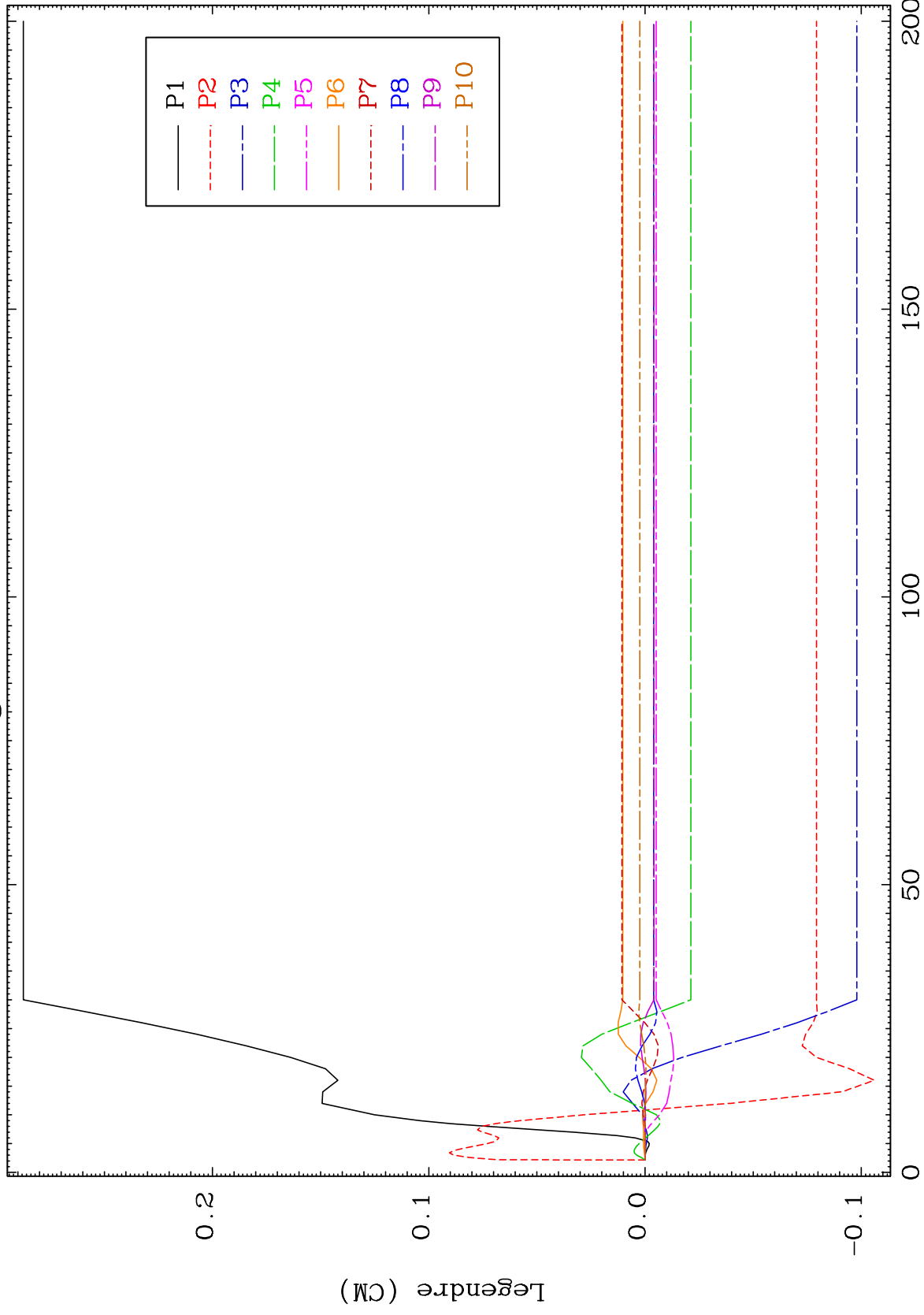




MAT 3701

2.125 MeV (n,n') Level  
Legendre Coefficients

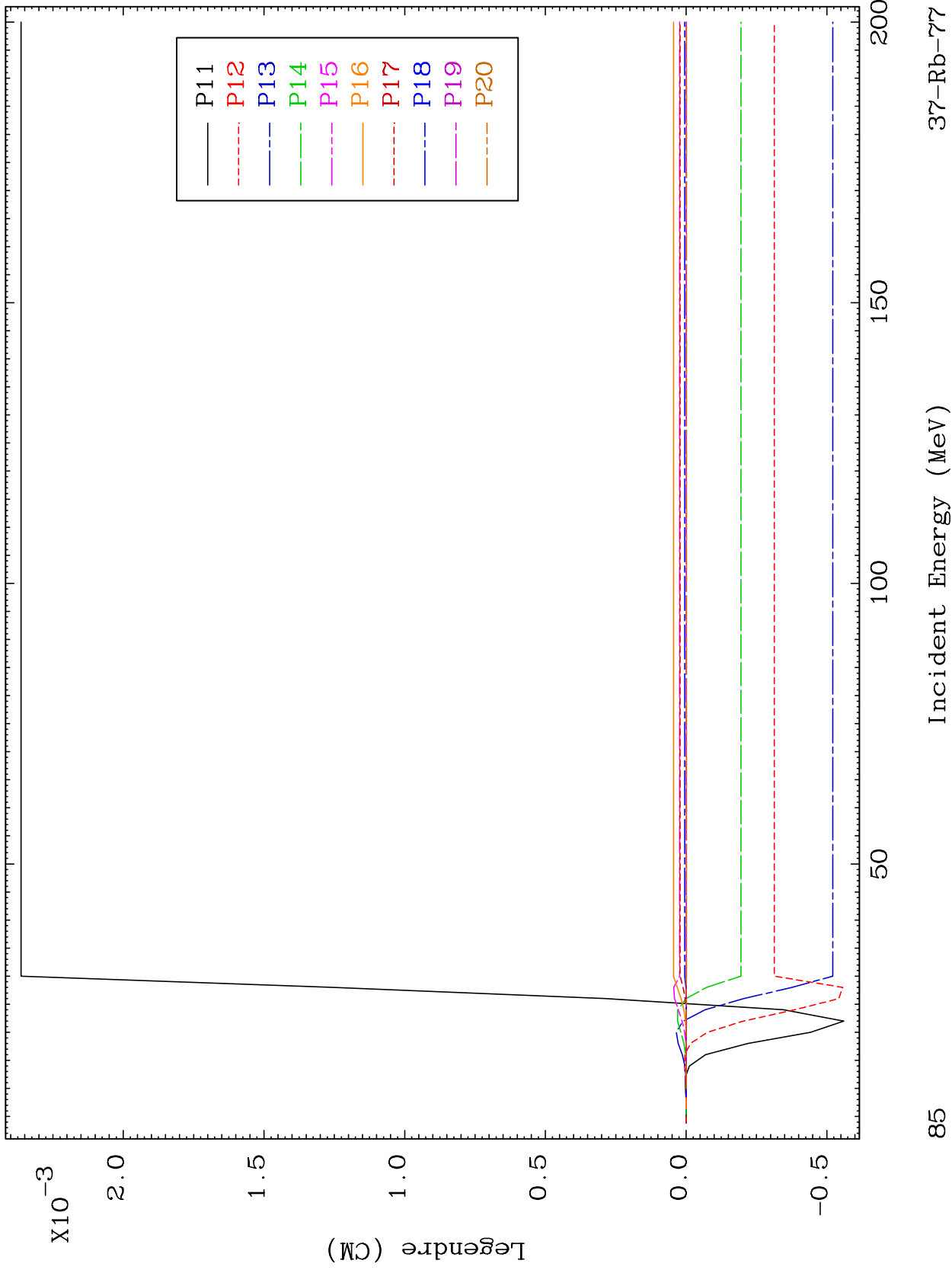
37-Rb-77

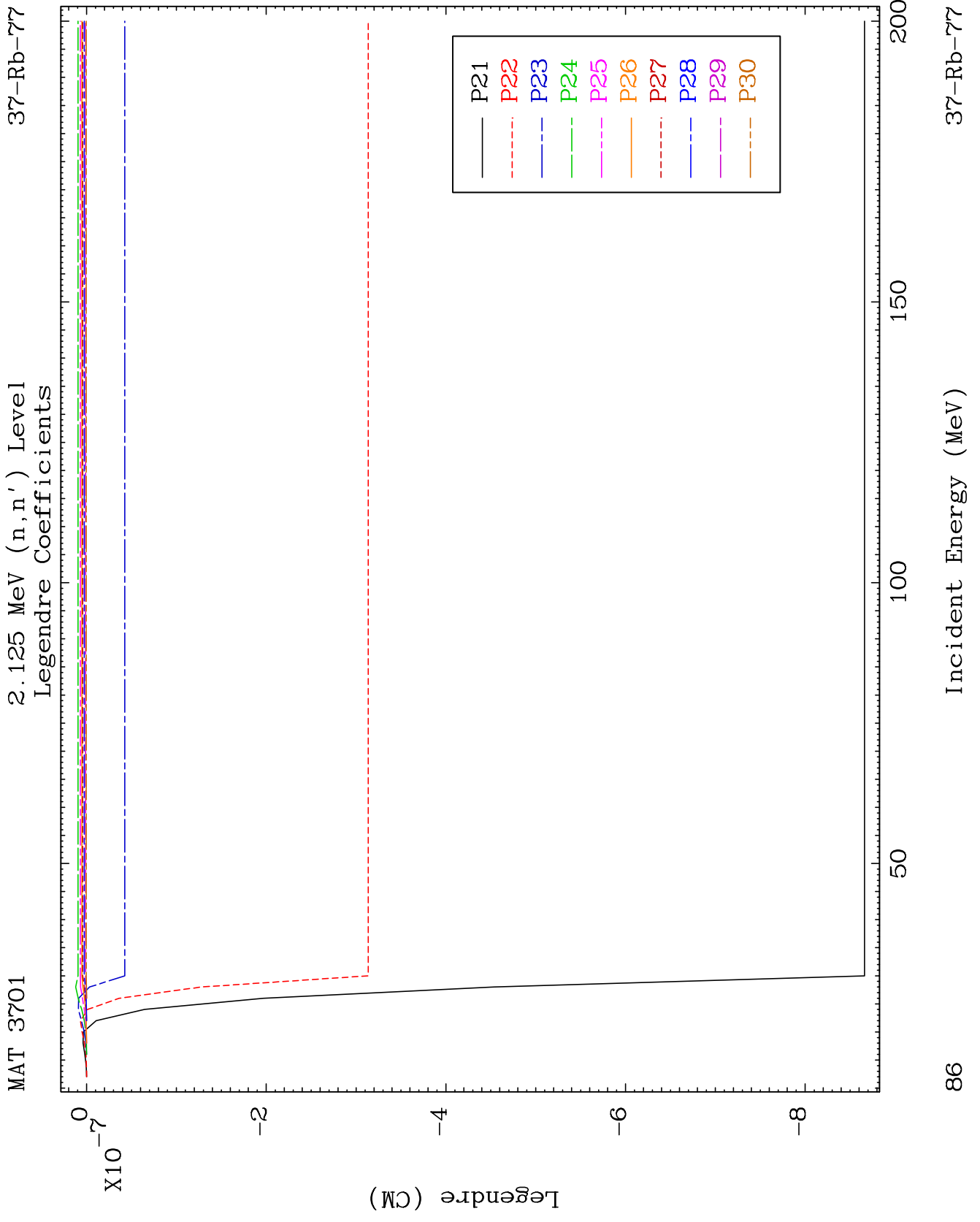


84

Incident Energy (MeV)

37-Rb-77

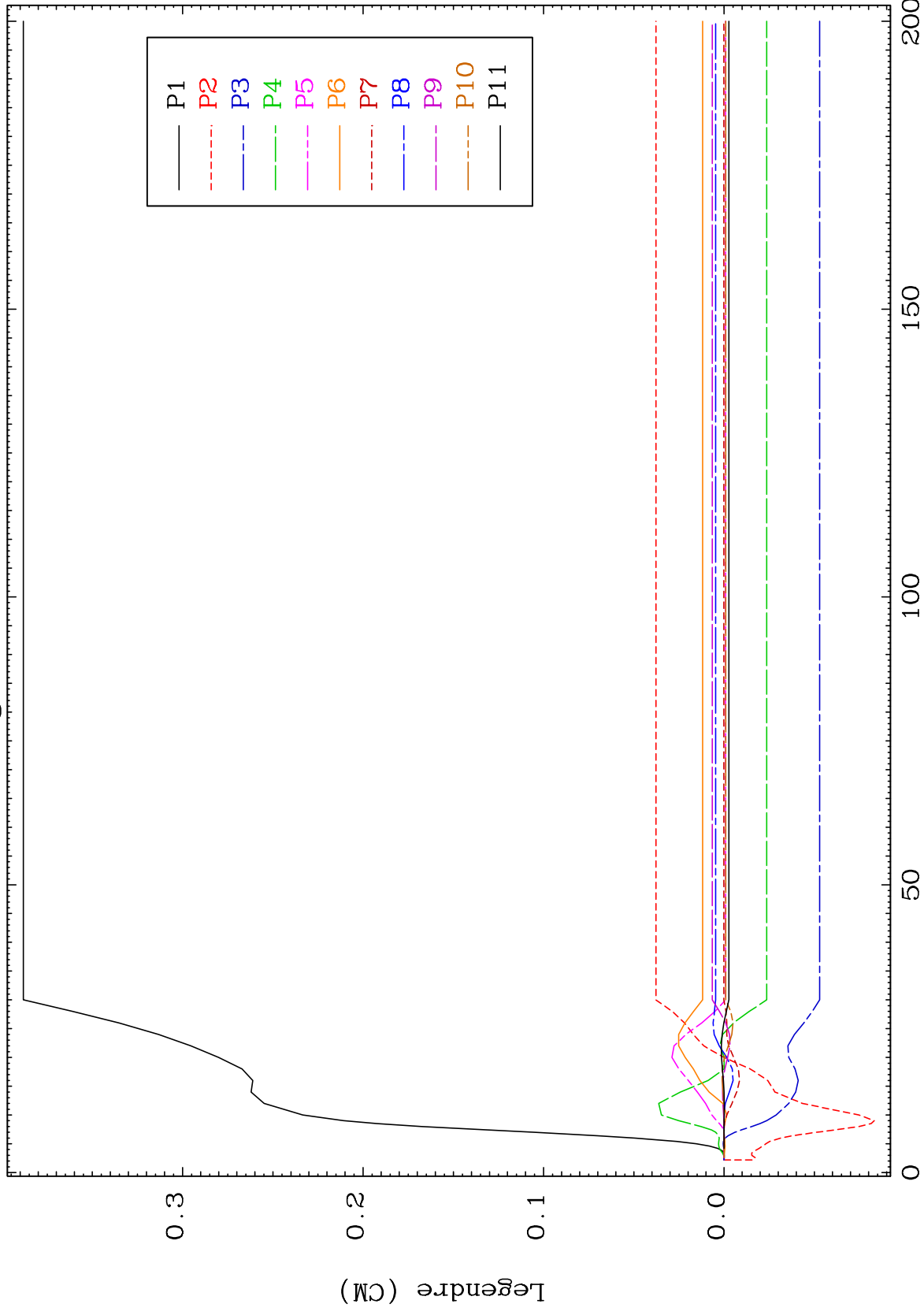




MAT 3701

2.149 MeV (n, n') Level  
Legendre Coefficients

37-Rb-77



87

Incident Energy (MeV)

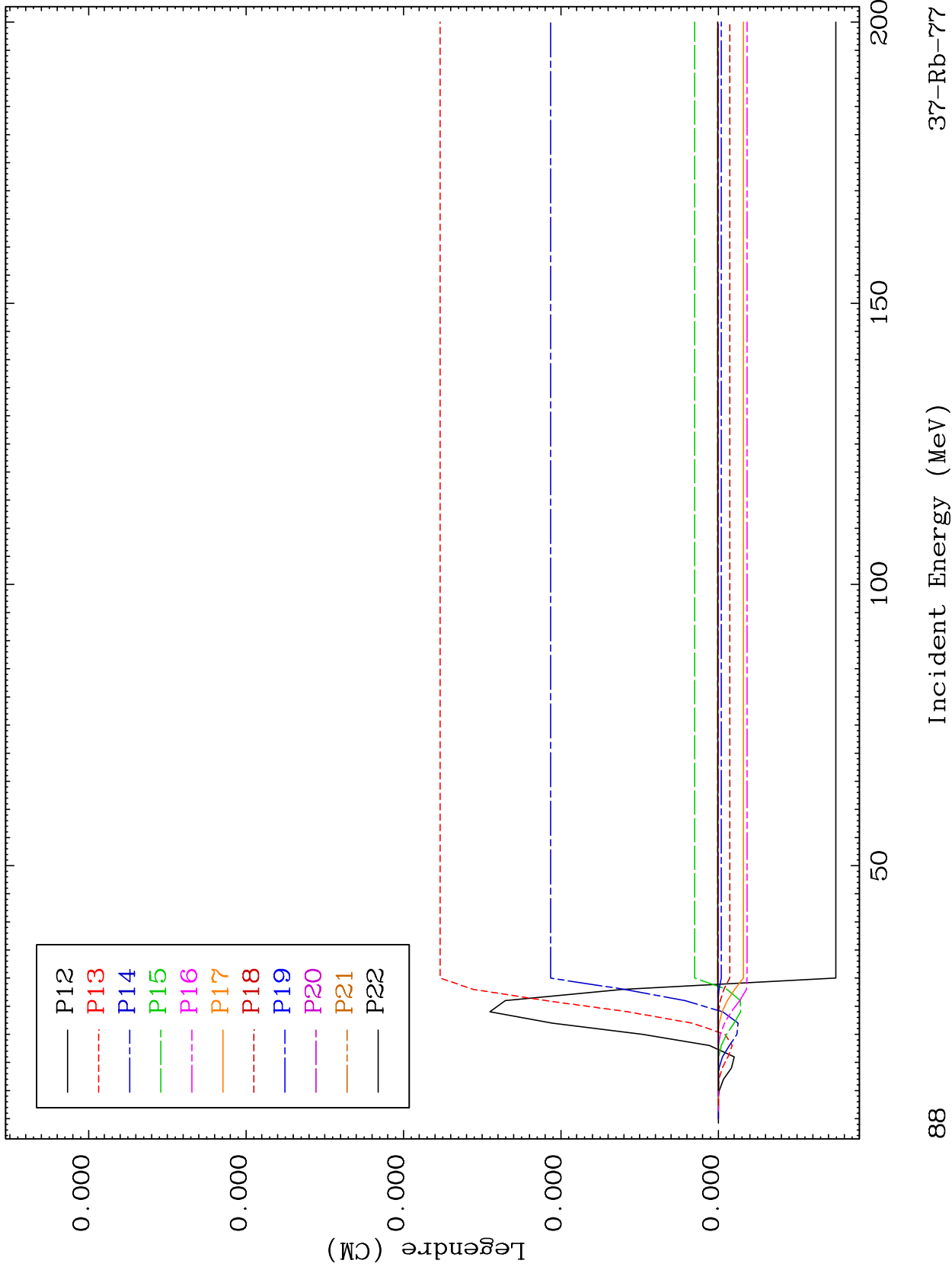
37-Rb-77



MAT 3701

2.149 MeV (n, n') Level  
Legendre Coefficients

37-Rb-77

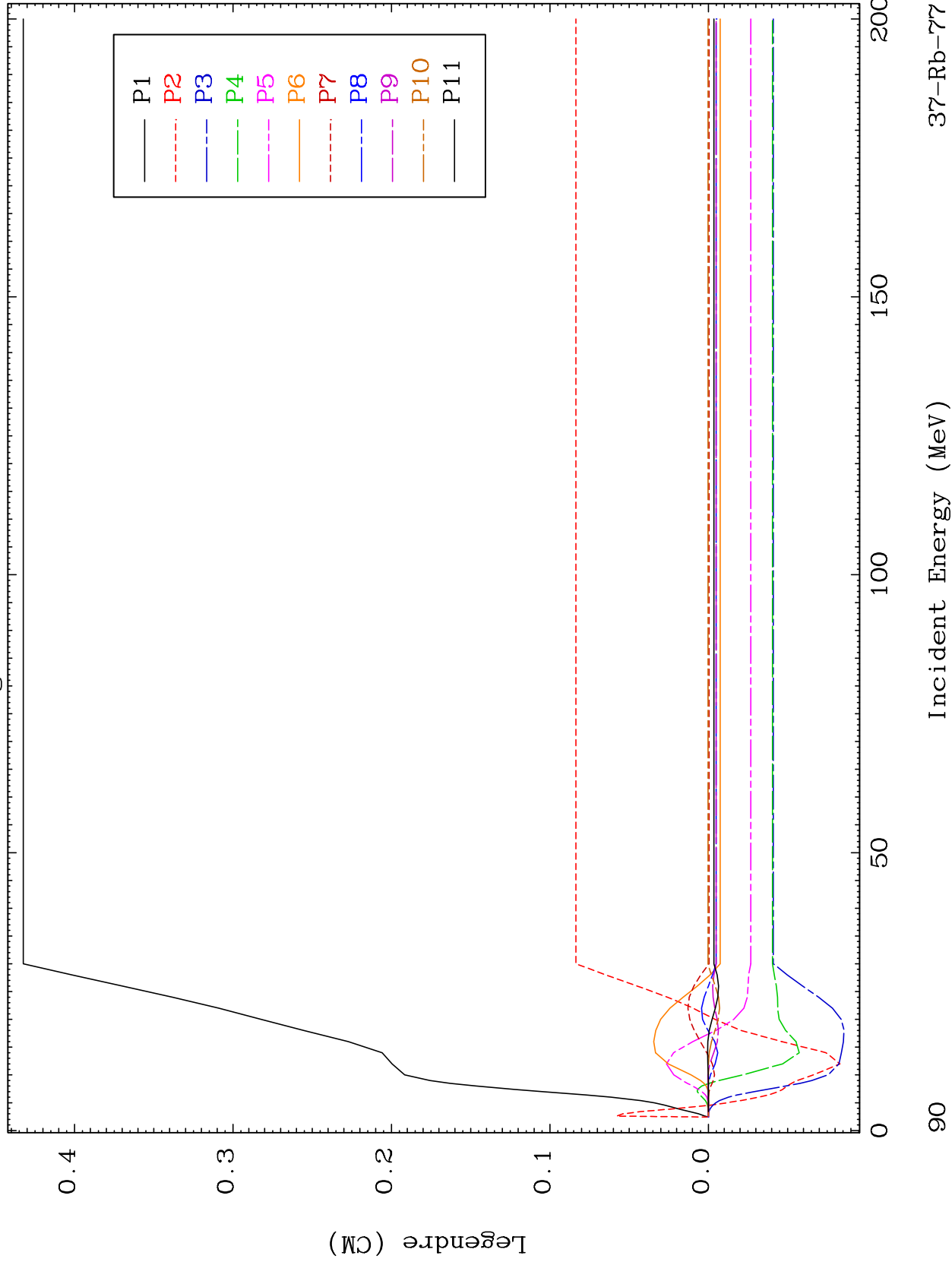




MAT 3701

2.388 MeV (n,n') Level  
Legendre Coefficients

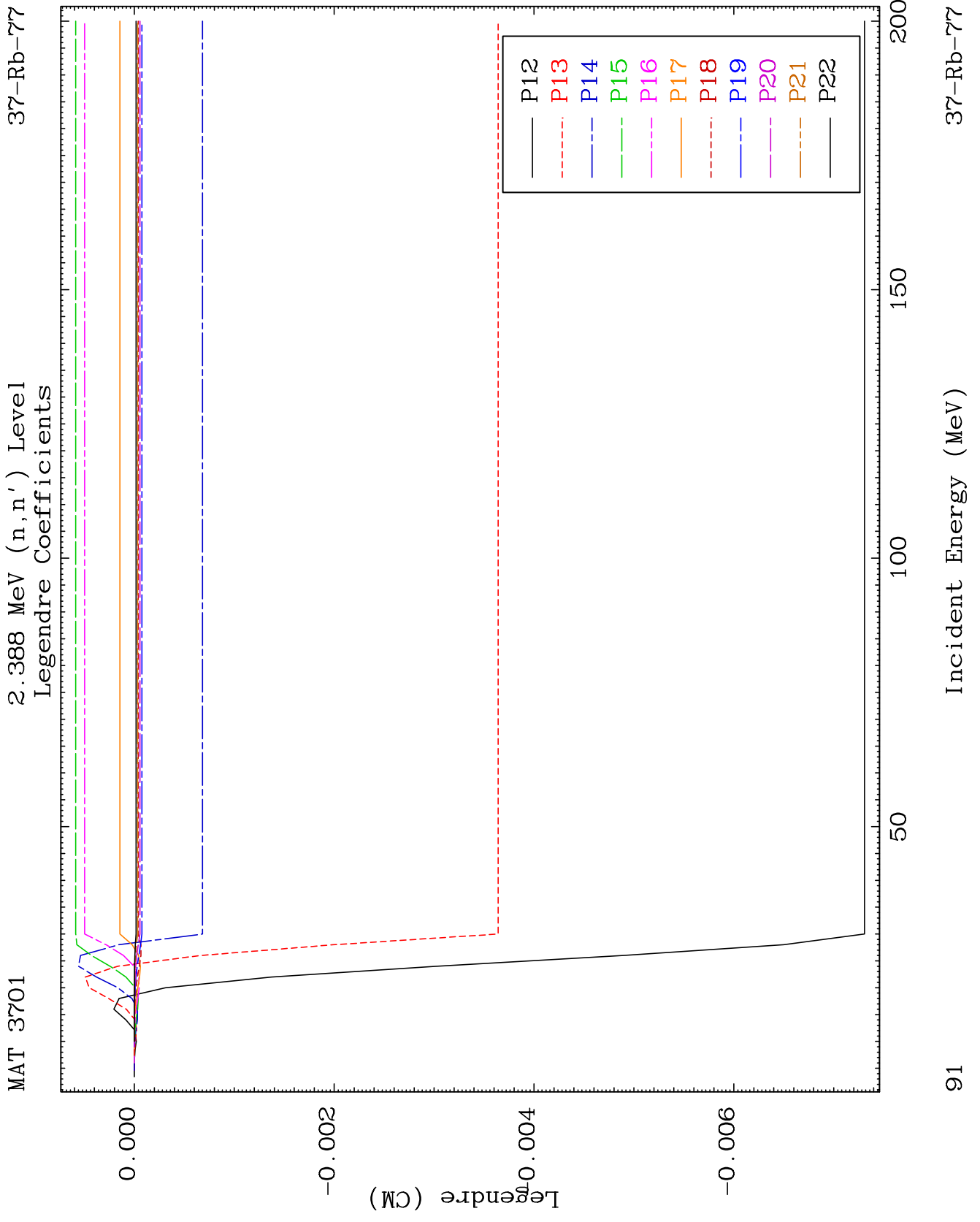
37-Rb-77

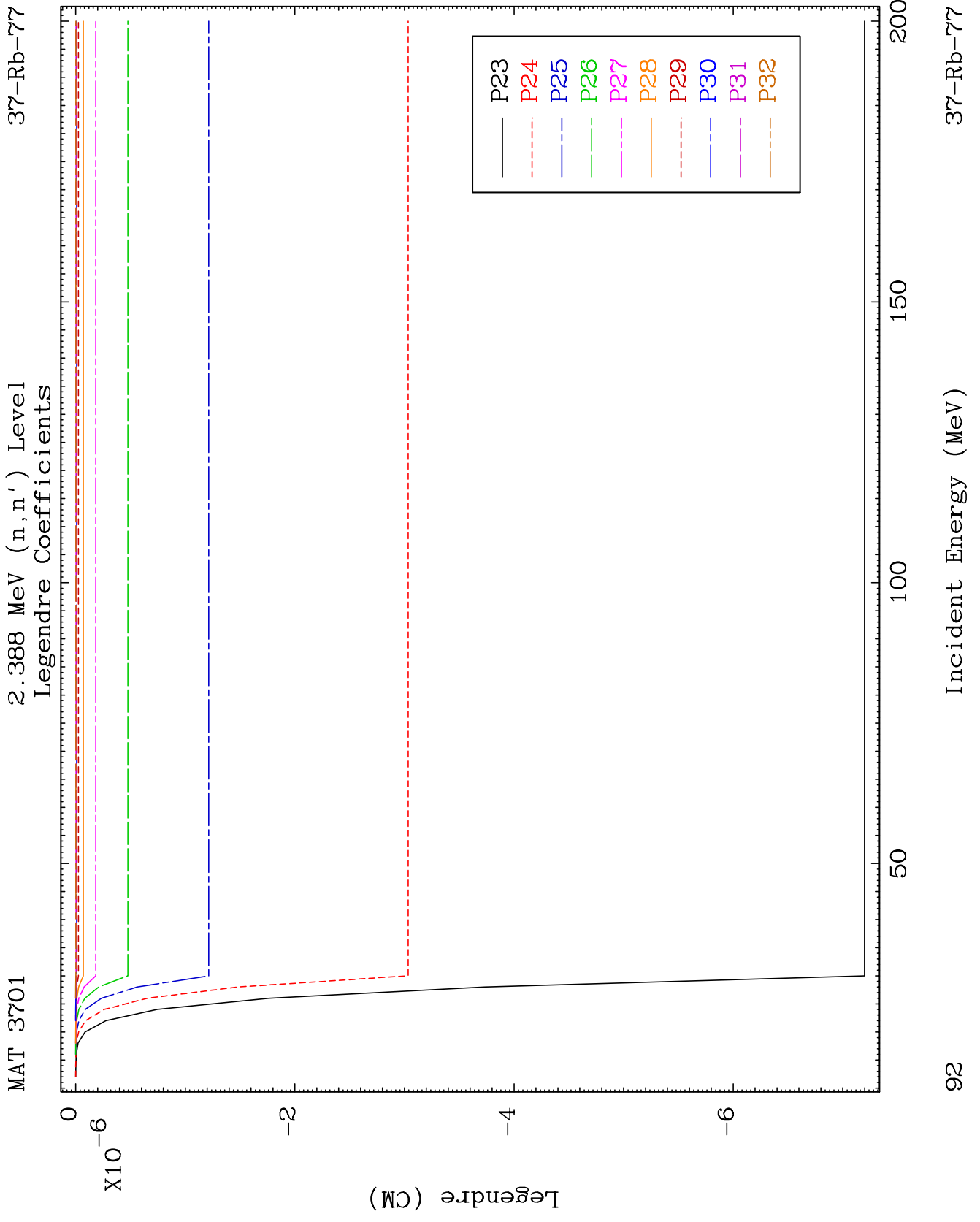


37-Rb-77

Incident Energy (MeV)

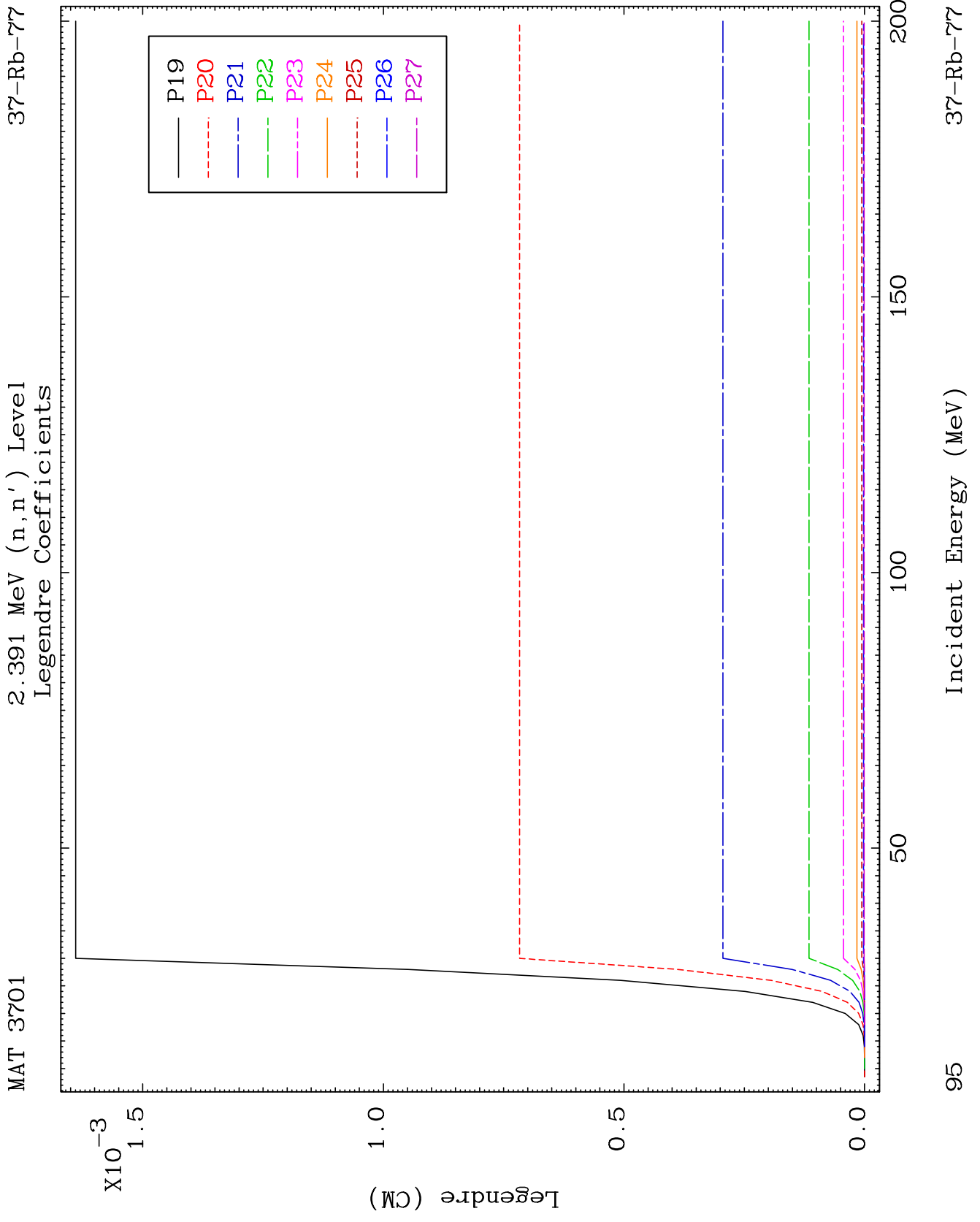
90



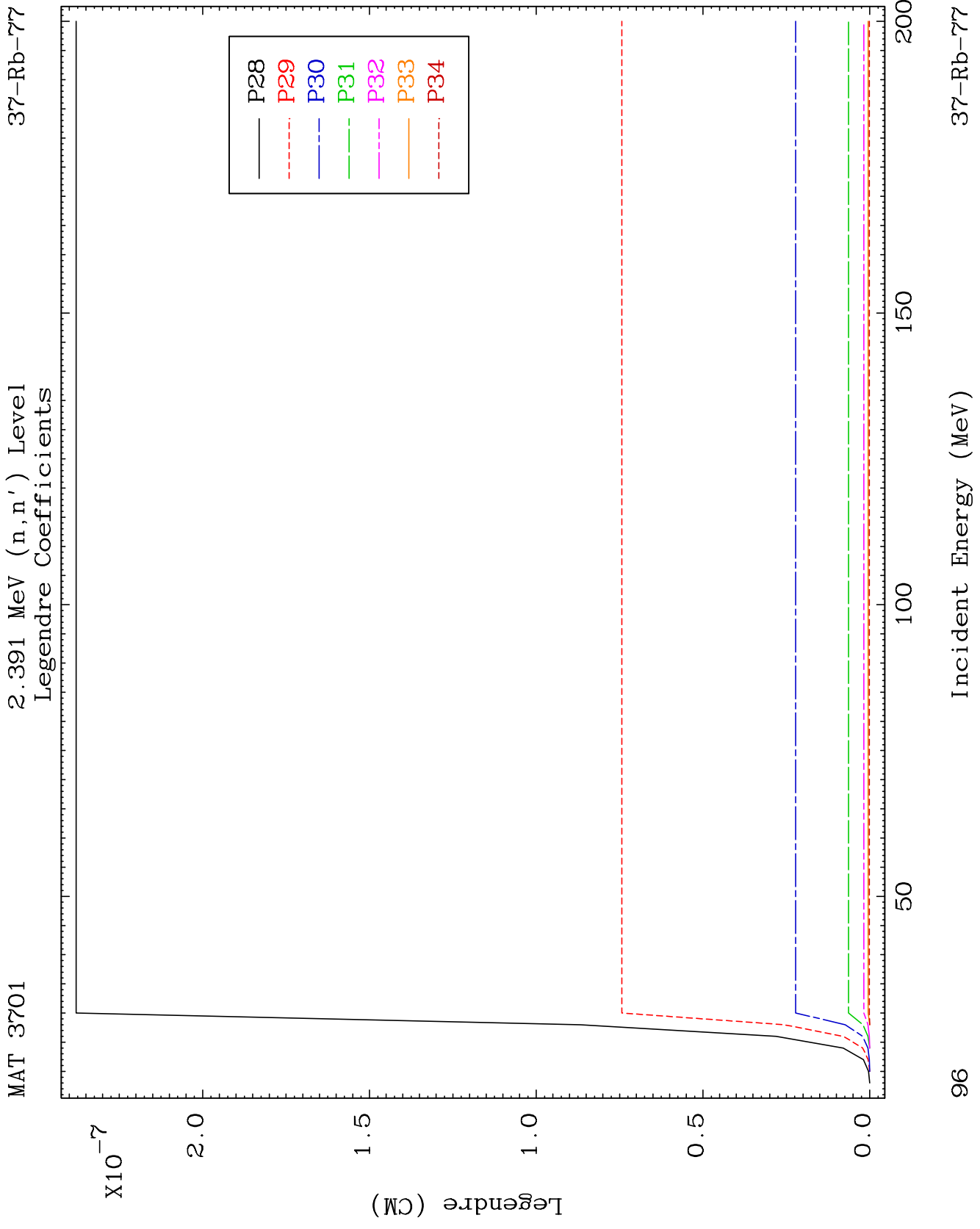










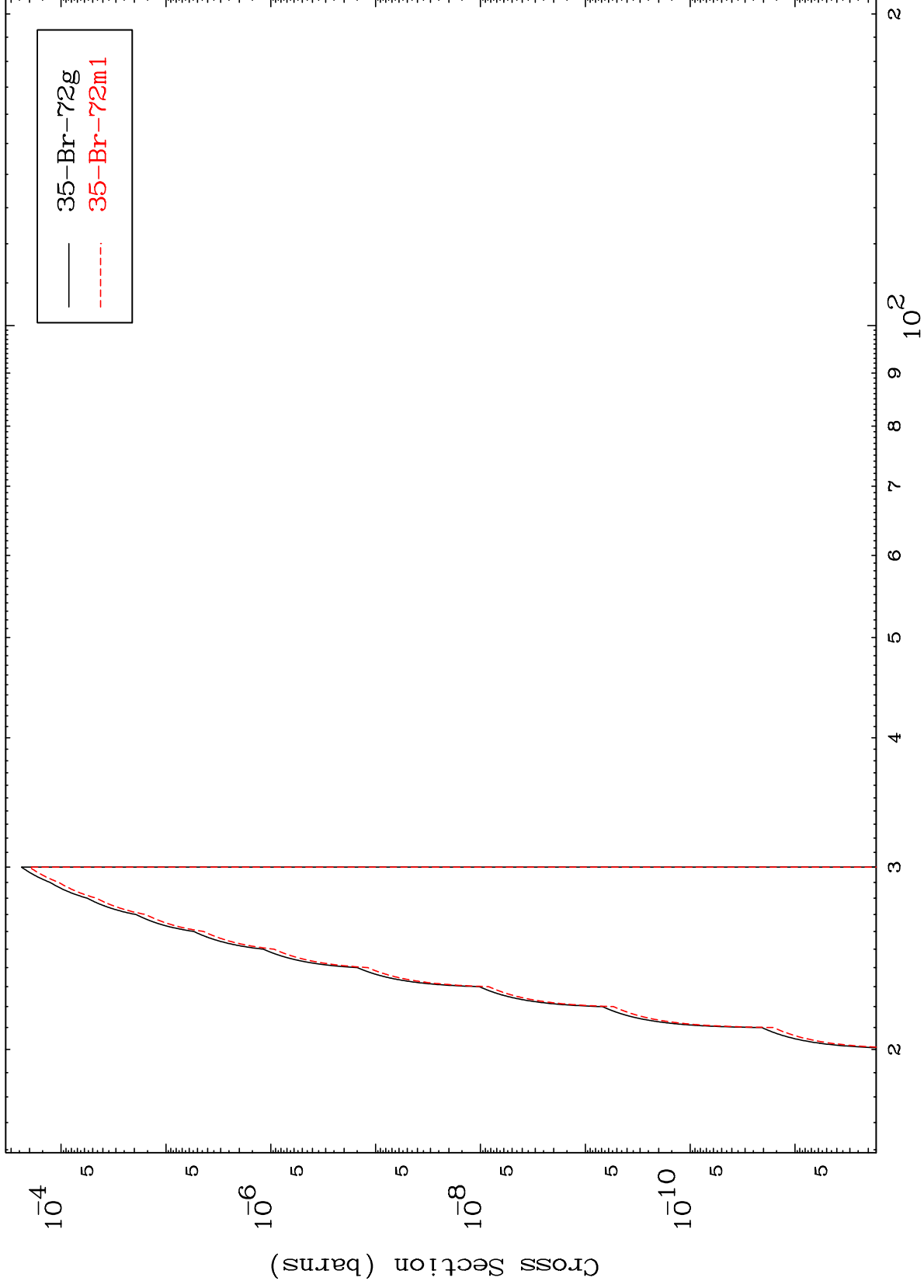


MAT 3701

$(n,2n) \alpha$

37-Rb-77

Radionuclide Production Cross Section



97

Incident Energy (MeV)

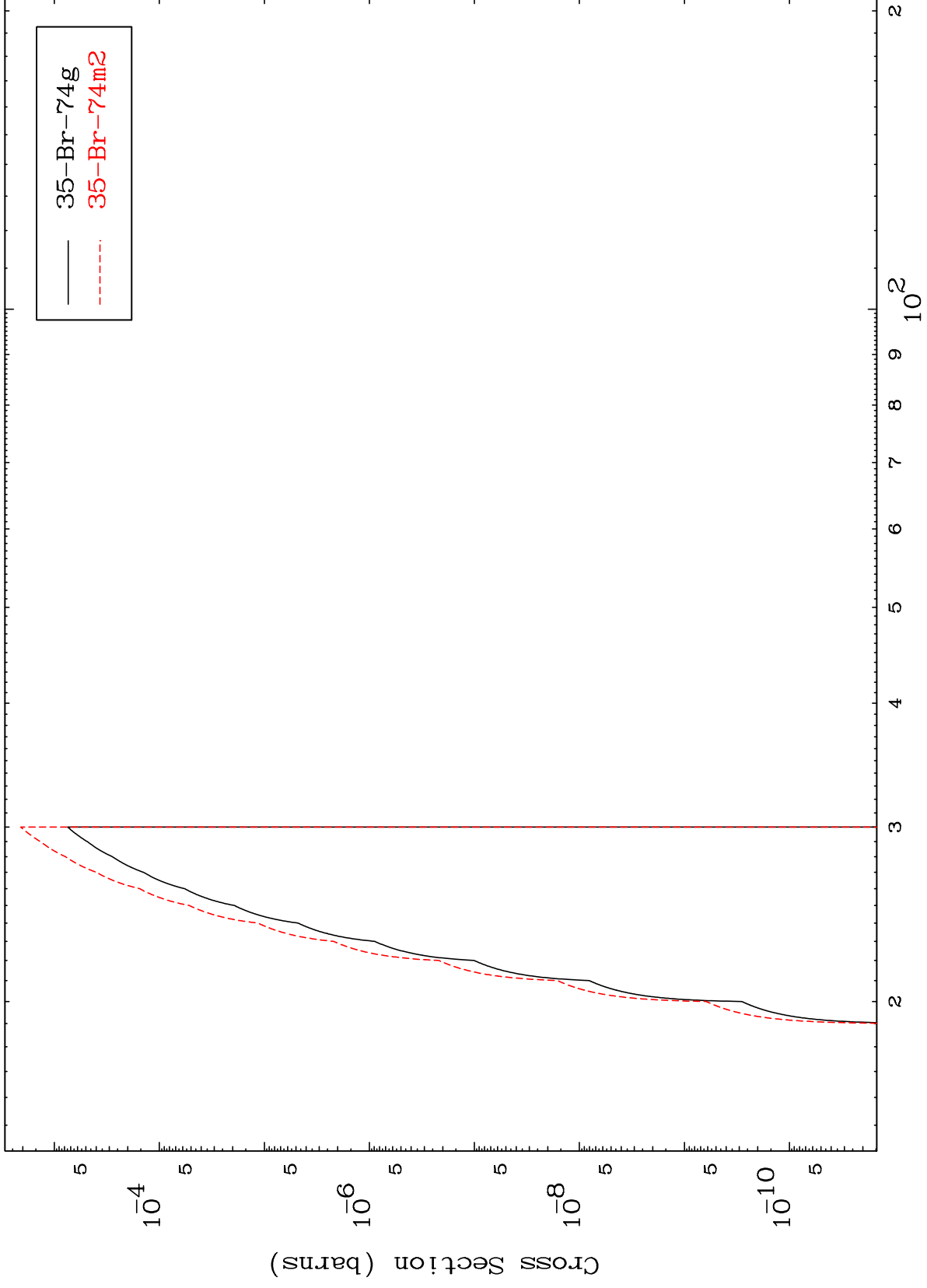
37-Rb-77

MAT 3701

(n,n') He-3

37-Rb-77

Radionuclide Production Cross Section



98

Incident Energy (MeV)

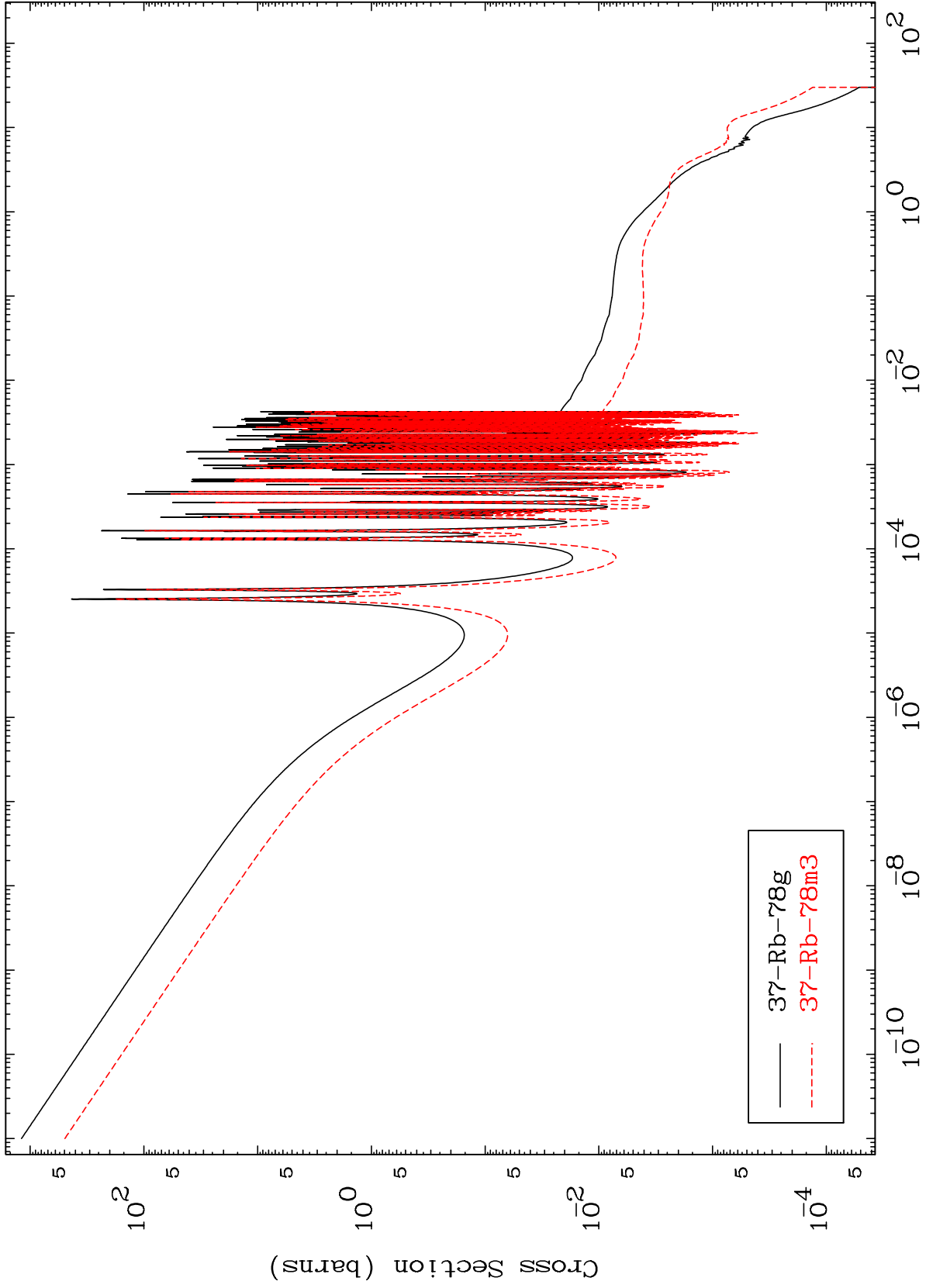
37-Rb-77

MAT 3701

<sup>37</sup>Rb-77

Radionuclide Production Cross Section

(n,γ)



99

Incident Energy (MeV)

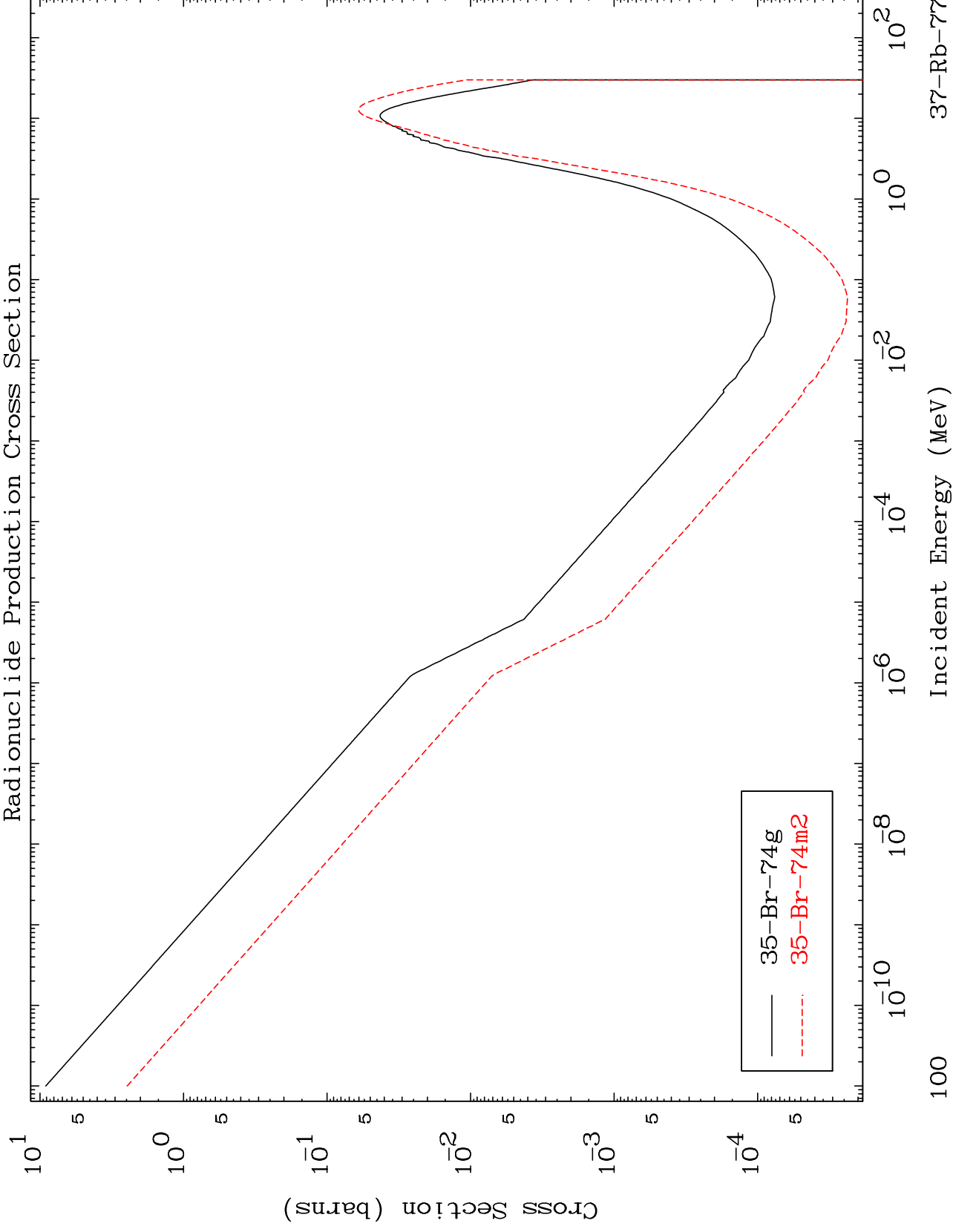
<sup>37</sup>Rb-77

MAT 3701

(n,  $\alpha$ )

37-Rb-77

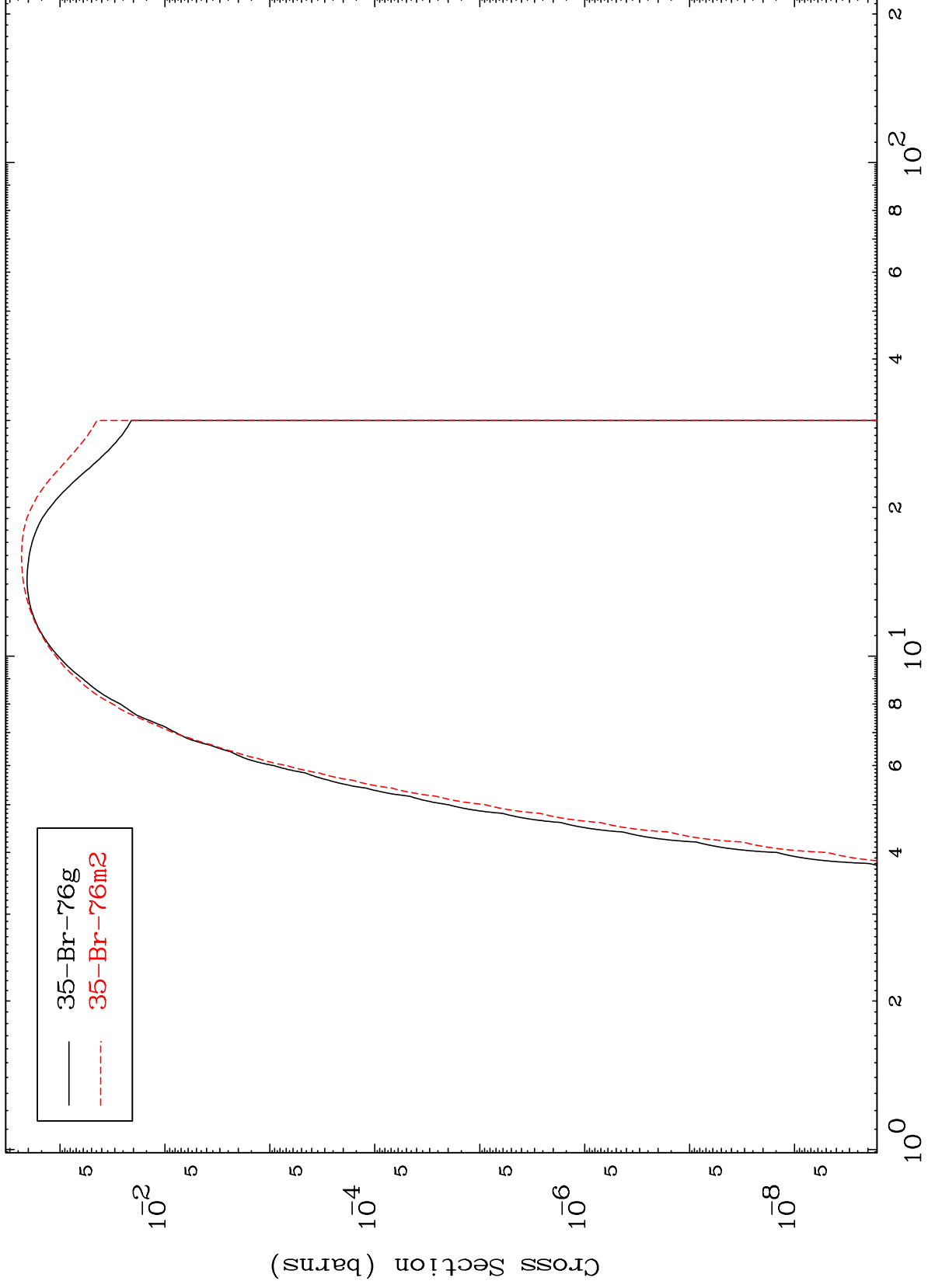
Radionuclide Production Cross Section



MAT 3701

37-Rb-77

Radionuclide Production Cross Section  
(n,2p)



Incident Energy (MeV)

37-Rb-77

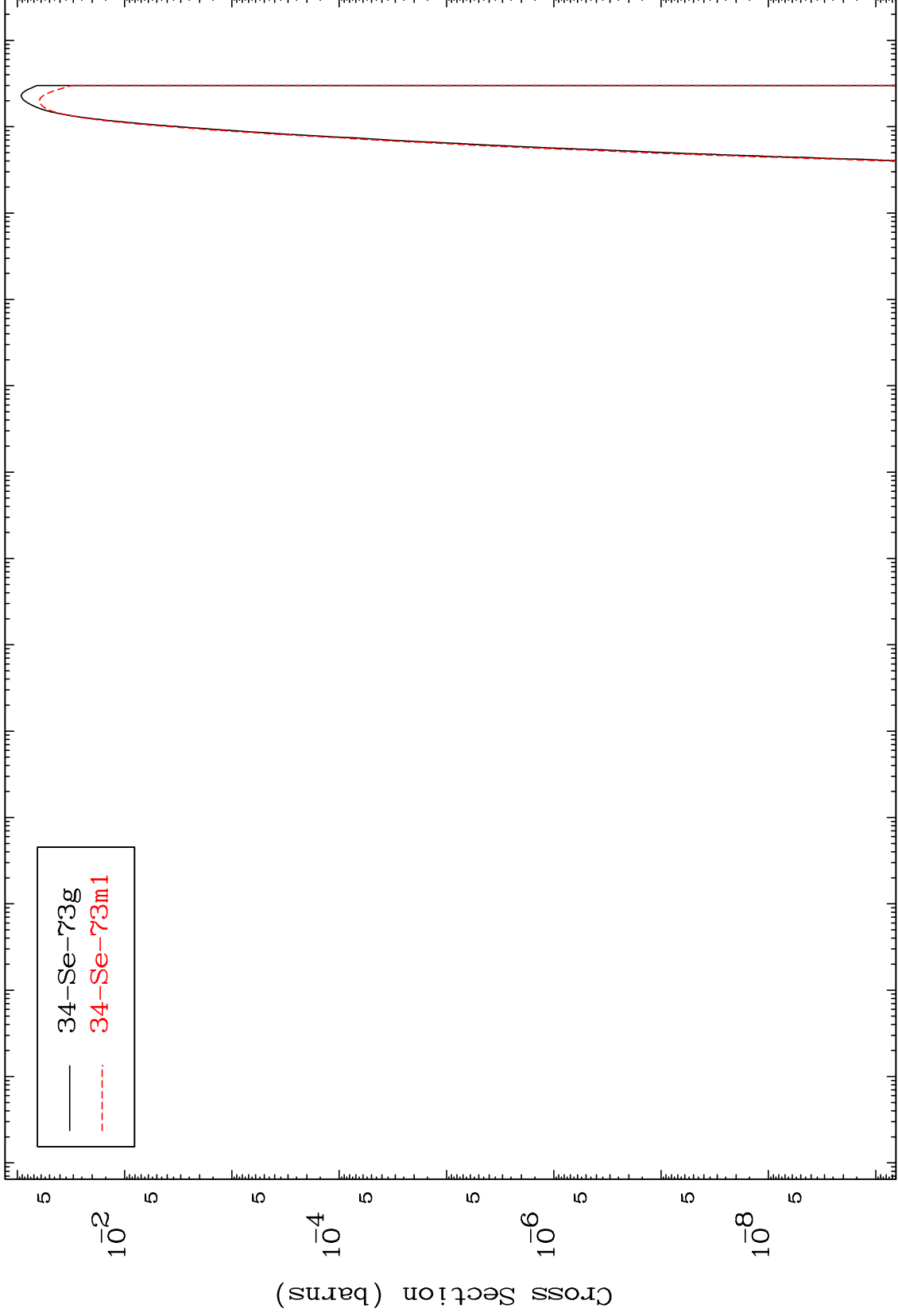
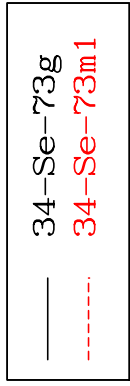
101

MAT 3701

(n,p)  $\alpha$

$^{37}\text{Rb-}77$

Radionuclide Production Cross Section



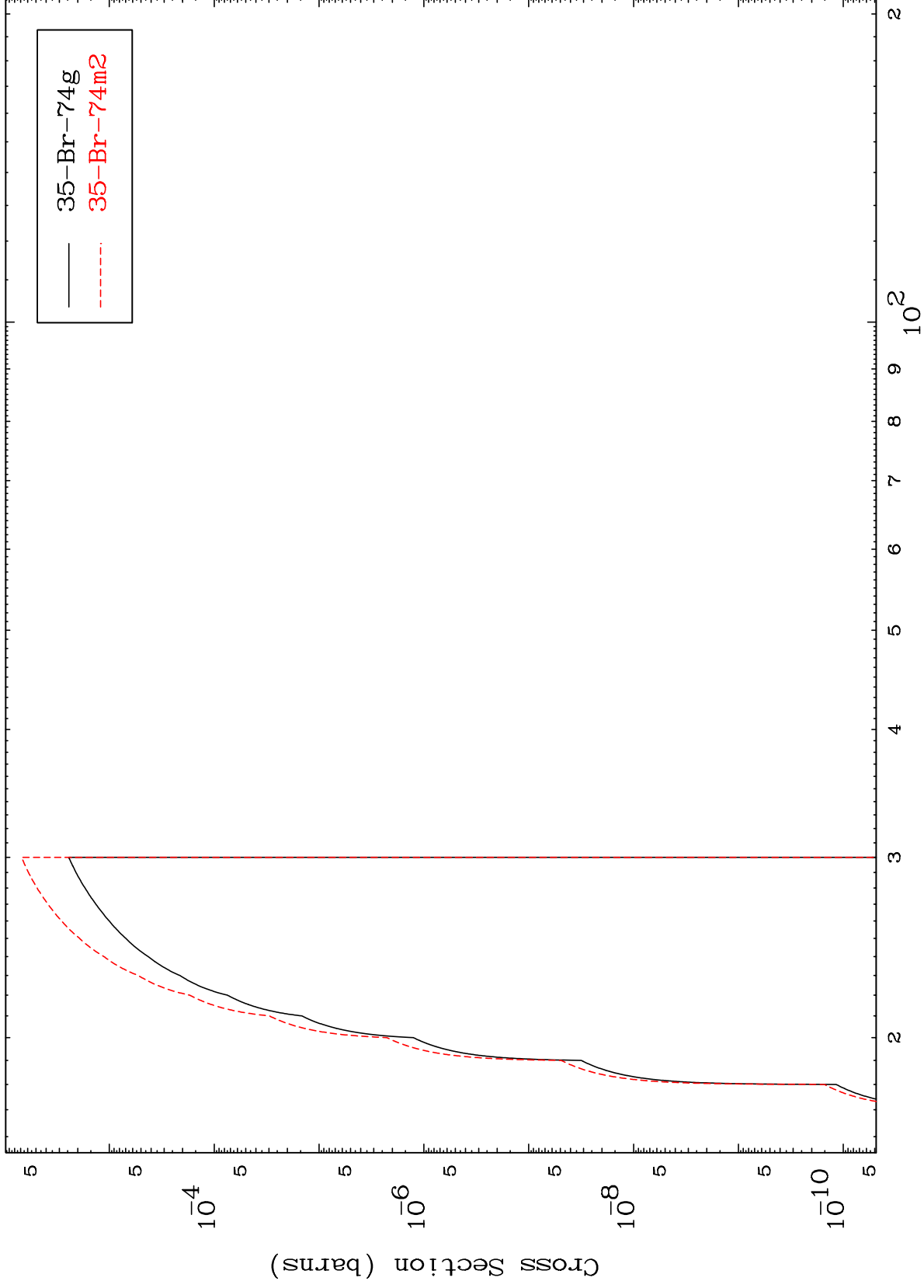
$^{37}\text{Rb-}77$

MAT 3701

(n,p) t

37-Rb-77

Radionuclide Production Cross Section



103

Incident Energy (MeV)

37-Rb-77