

Program EVALPLOT  
(Version 2015-2)

by

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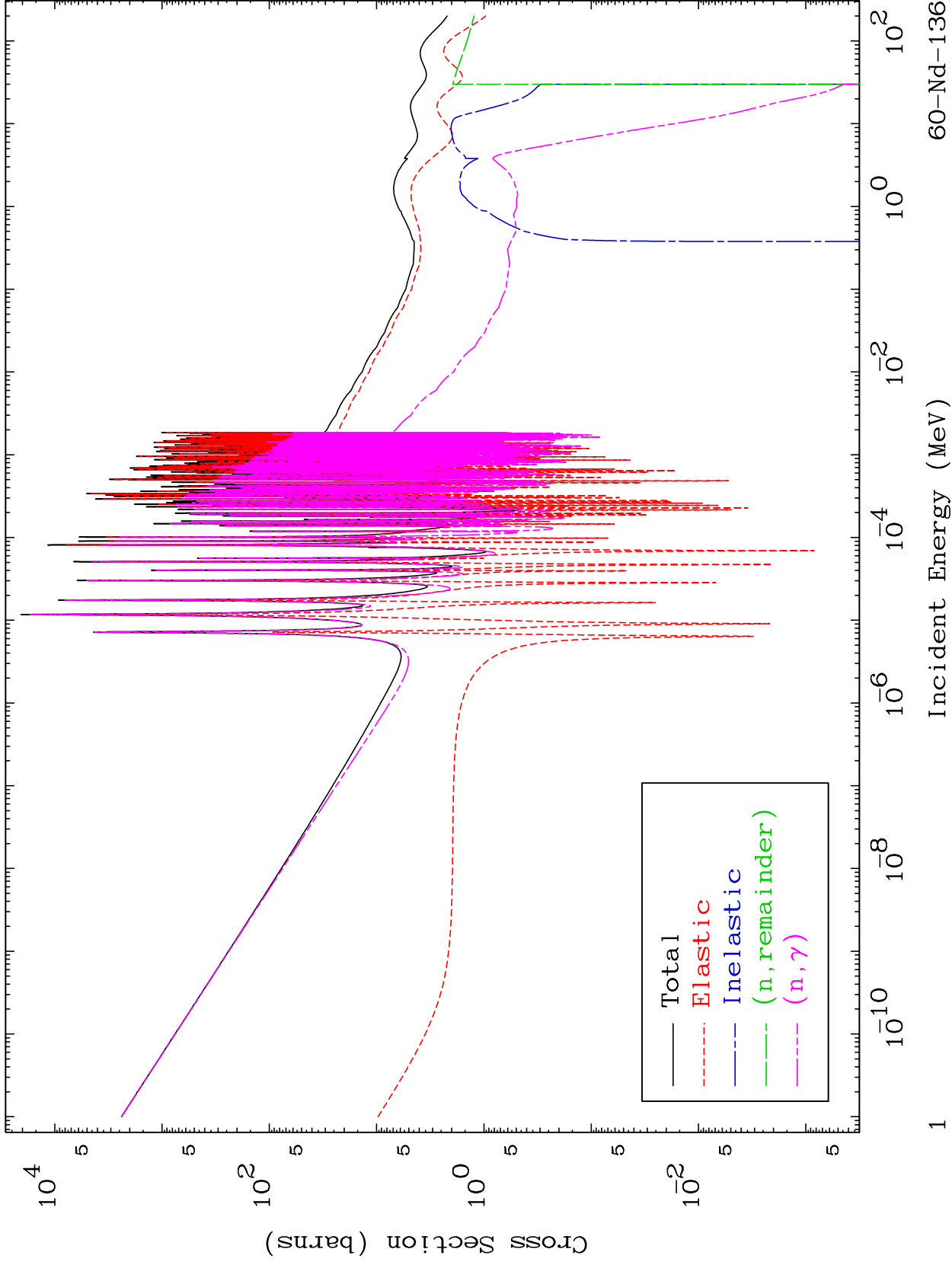
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6007

Major  
293 Kelvin Cross Sections

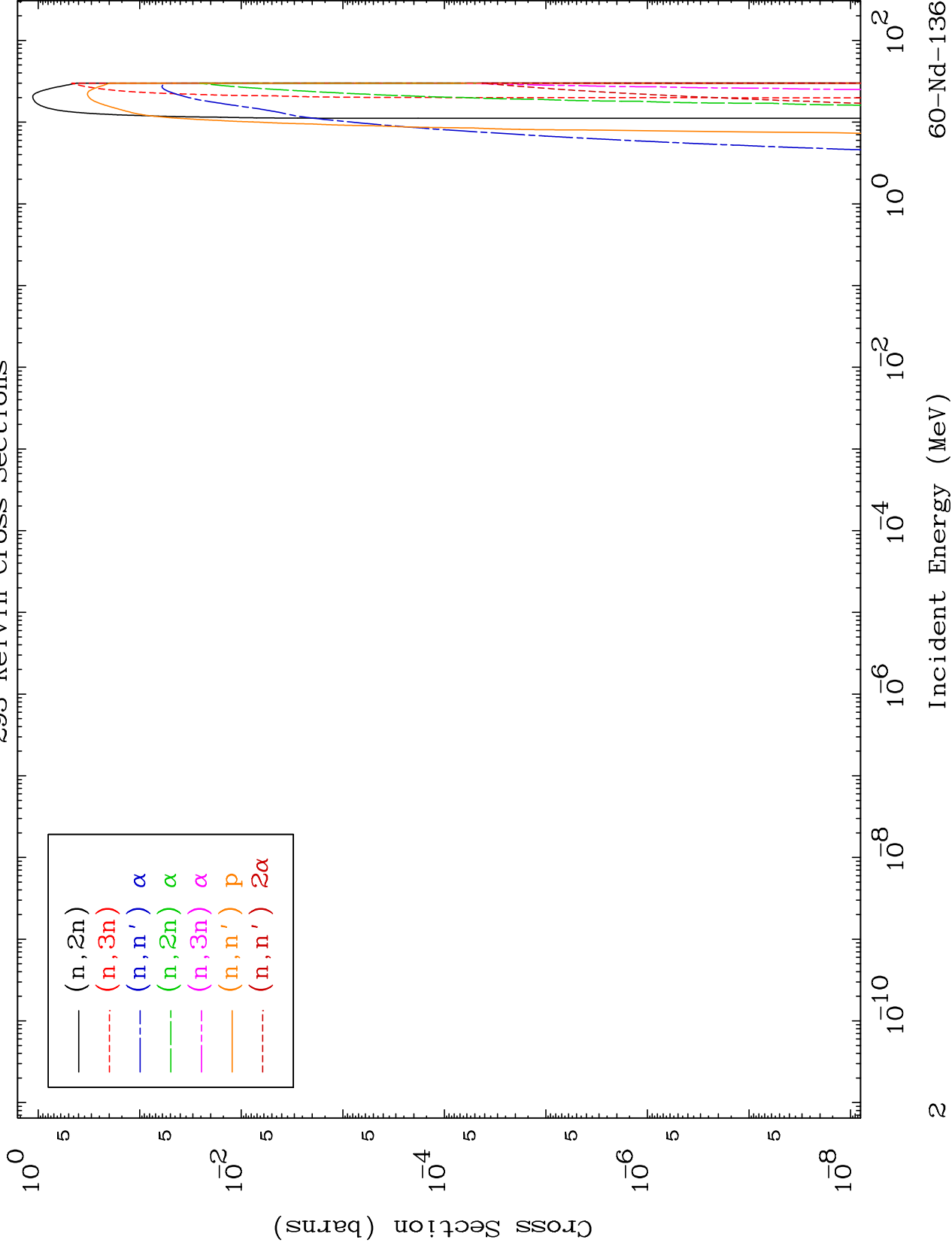
60-Nd-136



MAT 6007

Neutron Production  
293 Kelvin Cross Sections

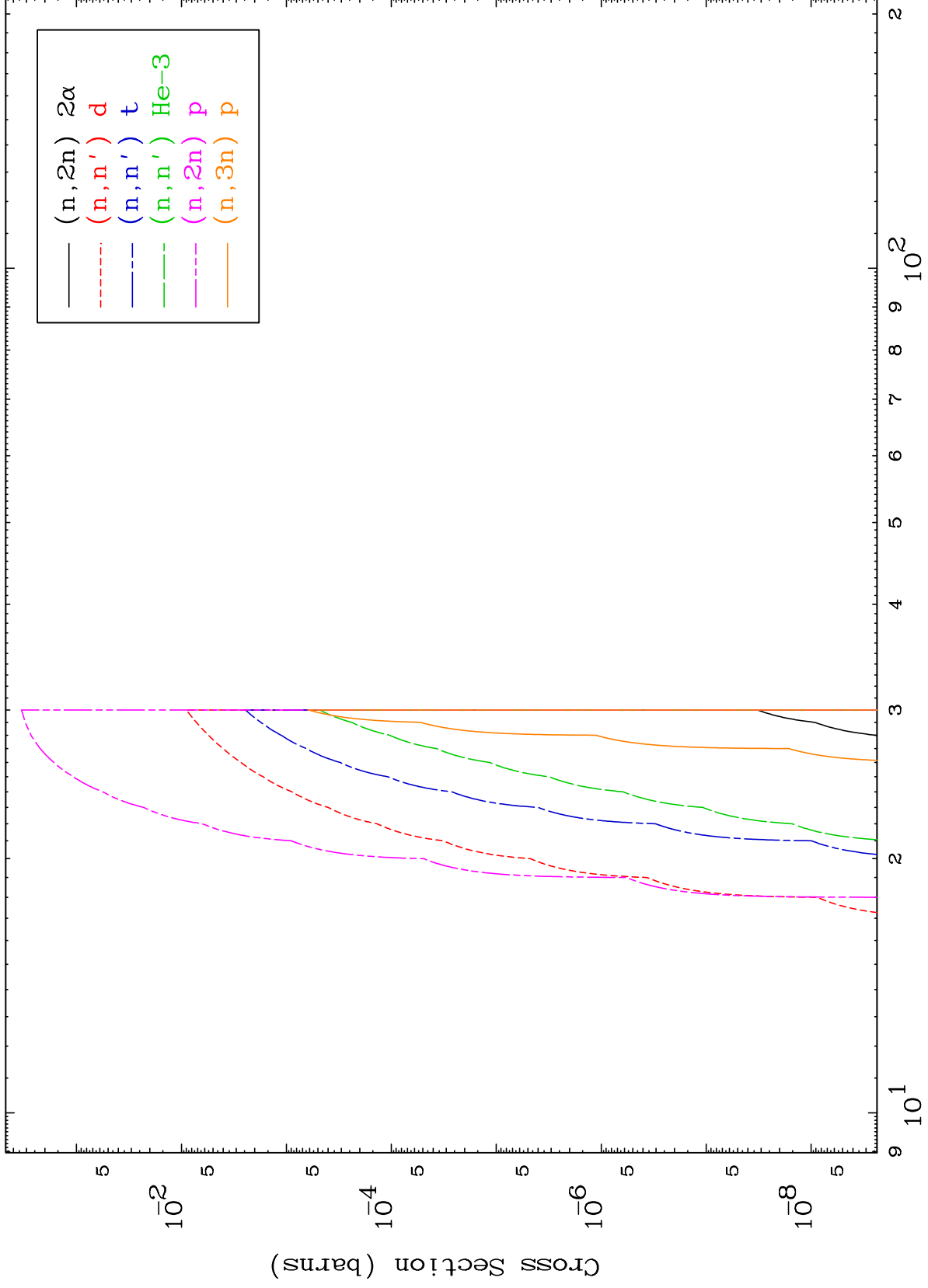
60-Nd-136



MAT 6007

Neutron Production  
293 Kelvin Cross Sections

60-Nd-136



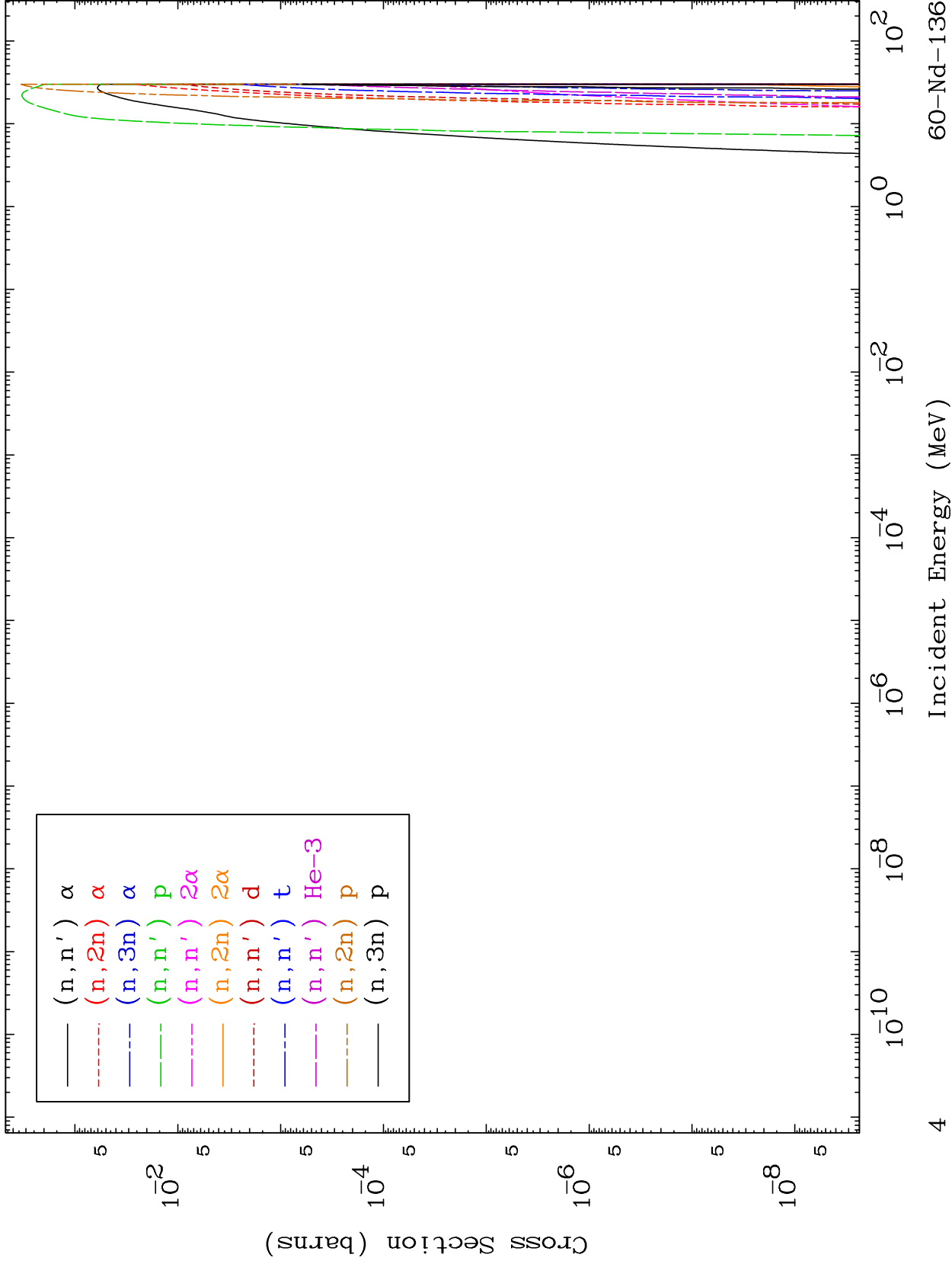
Incident Energy (MeV)

60-Nd-136

MAT 6007

Charged Particle  
293 Kelvin Cross Sections

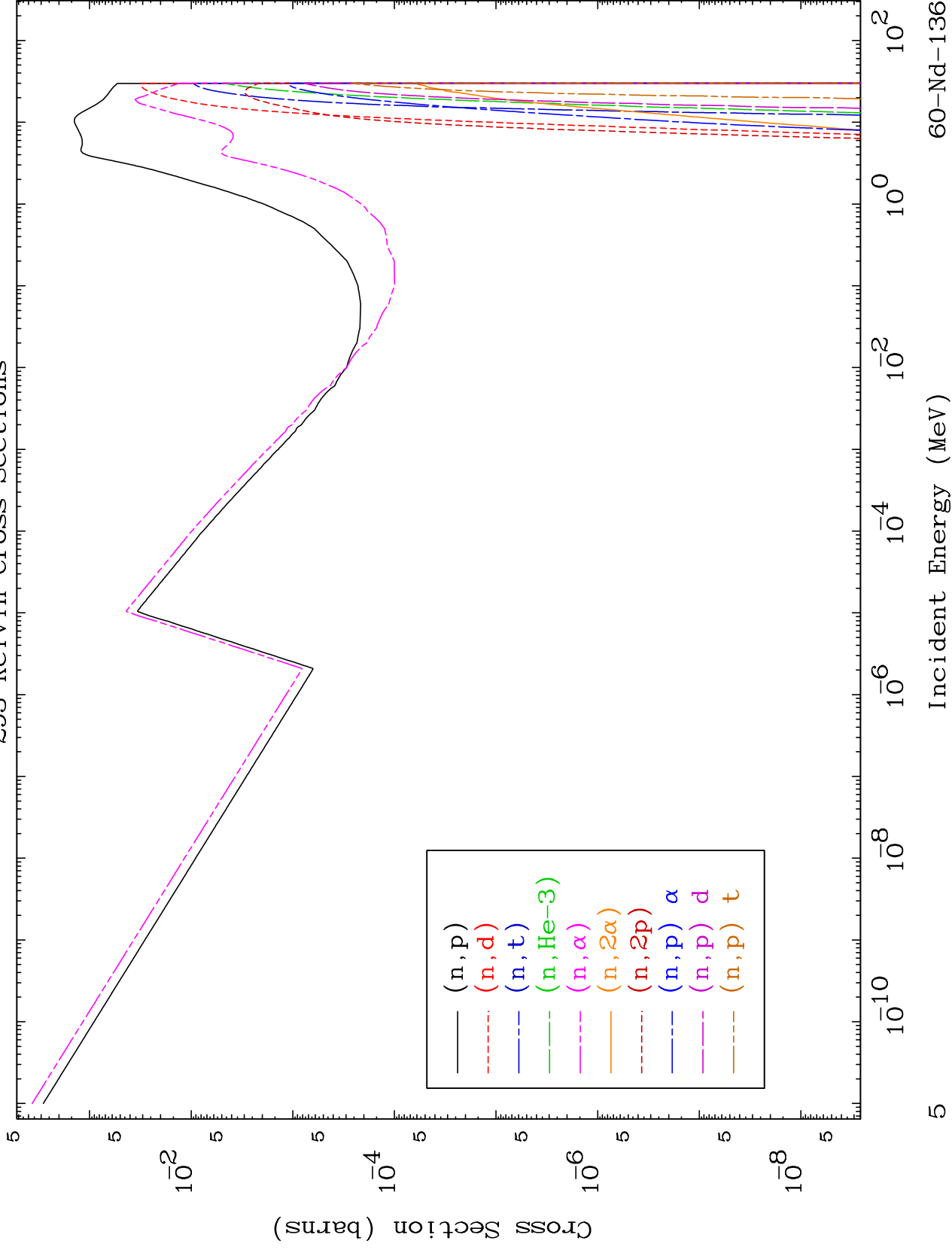
60-Nd-136



MAT 6007

Charged Particle  
293 Kelvin Cross Sections

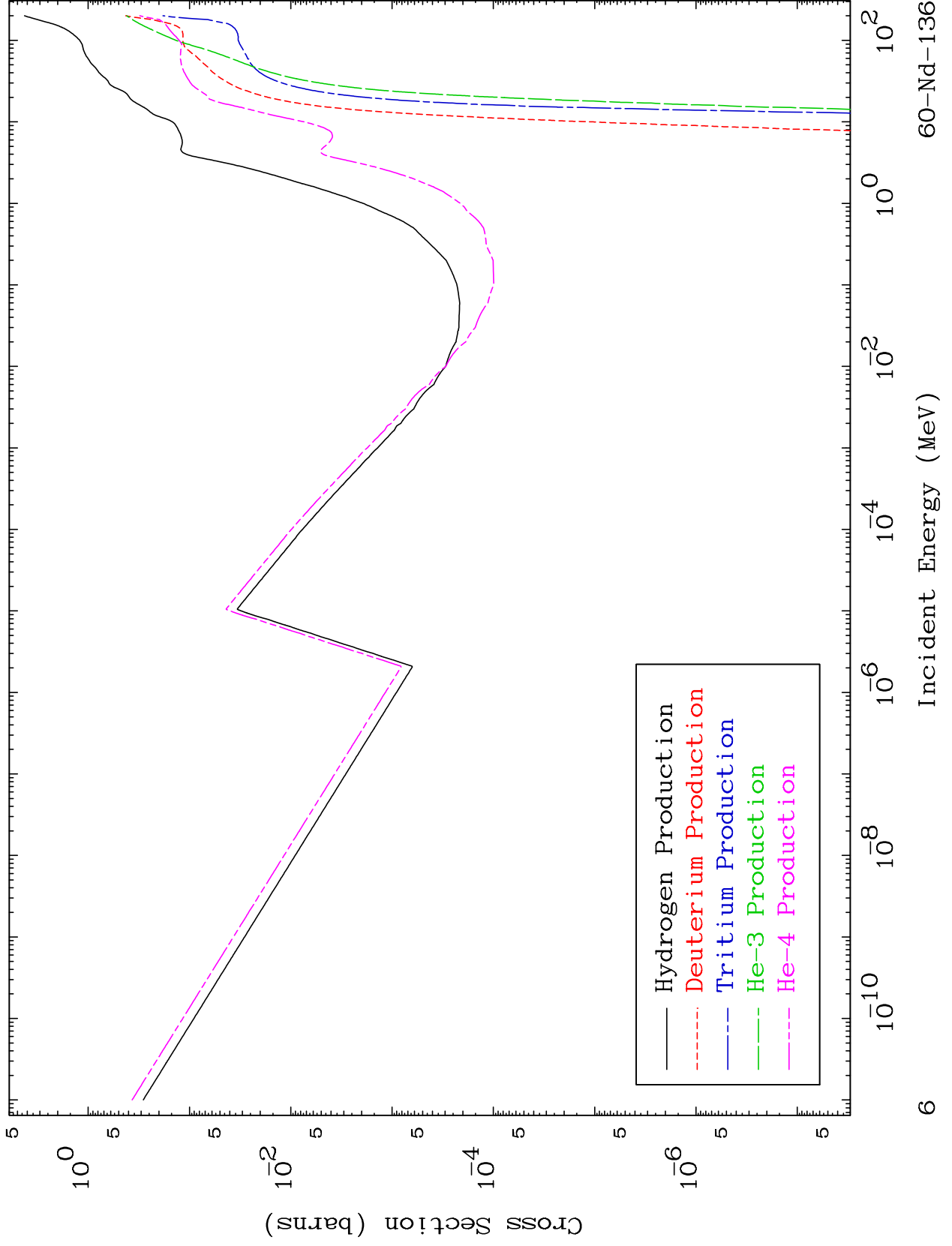
60-Nd-136



MAT 6007

Particle Production  
293 Kelvin Cross Sections

60-Nd-136

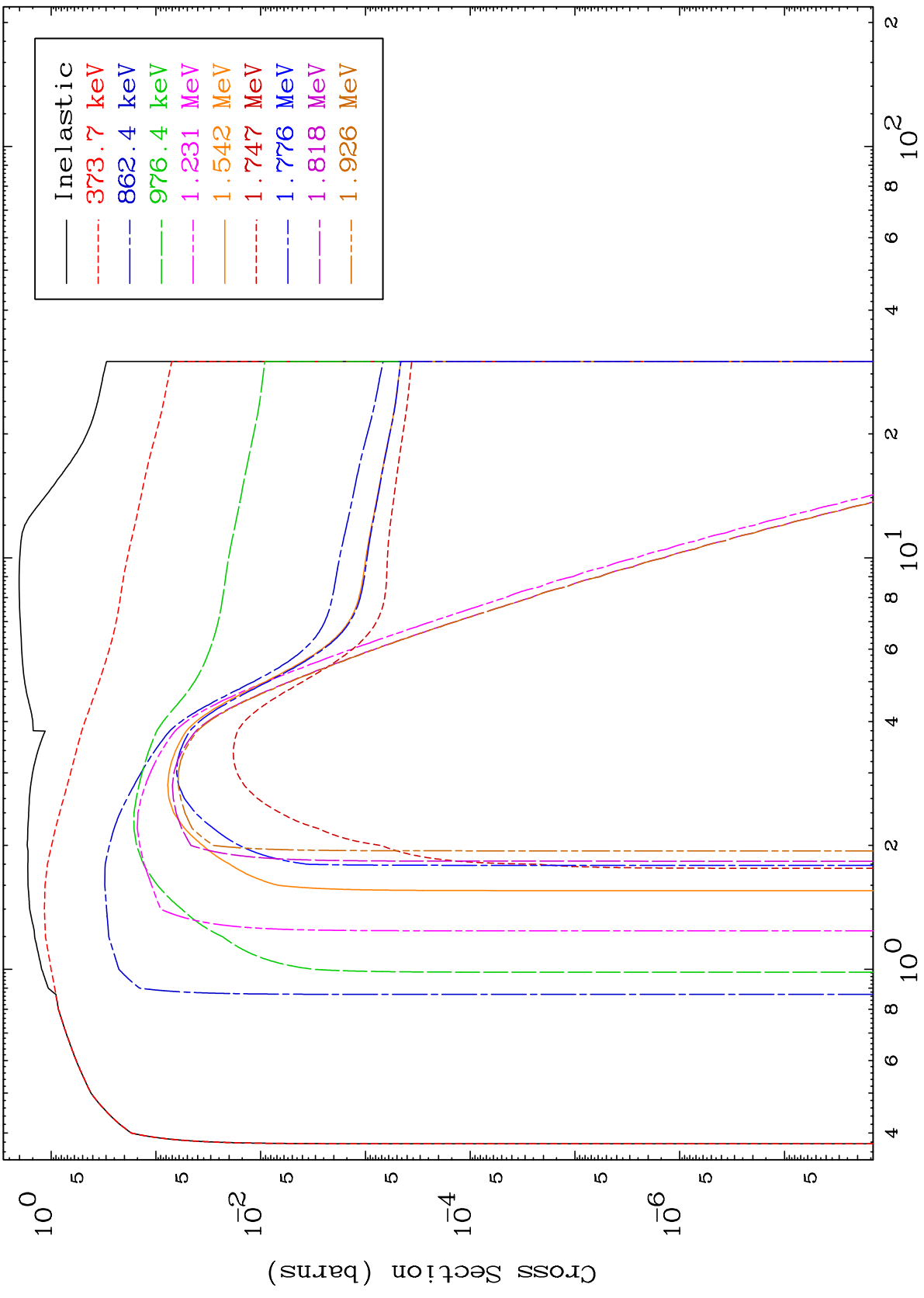


MAT 6007

(n,n') Level

60-Nd-136

293 Kelvin Cross Sections



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Incident Energy (MeV)

60-Nd-136

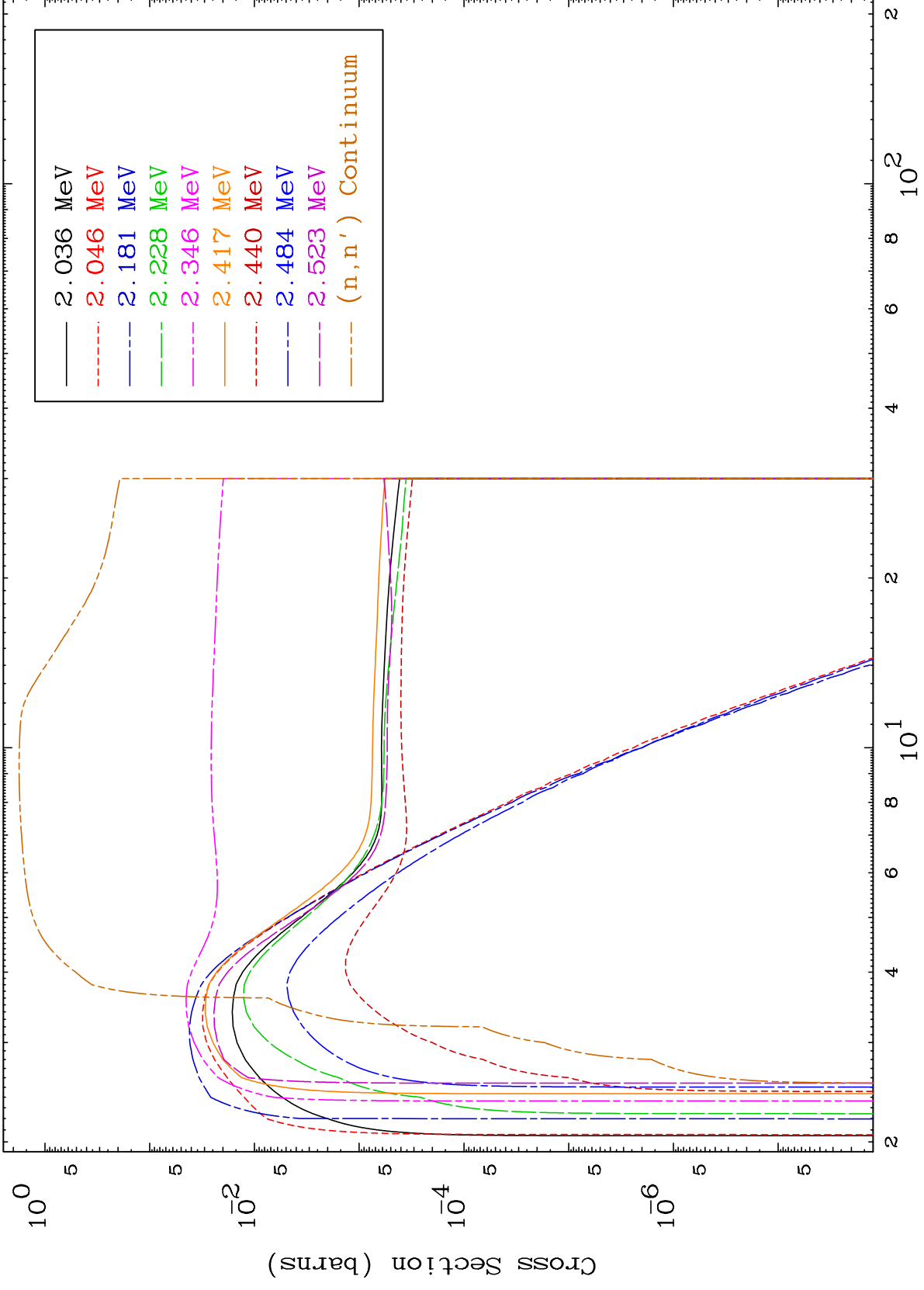


MAT 6007

(n,n') Level

60-Nd-136

293 Kelvin Cross Sections



8

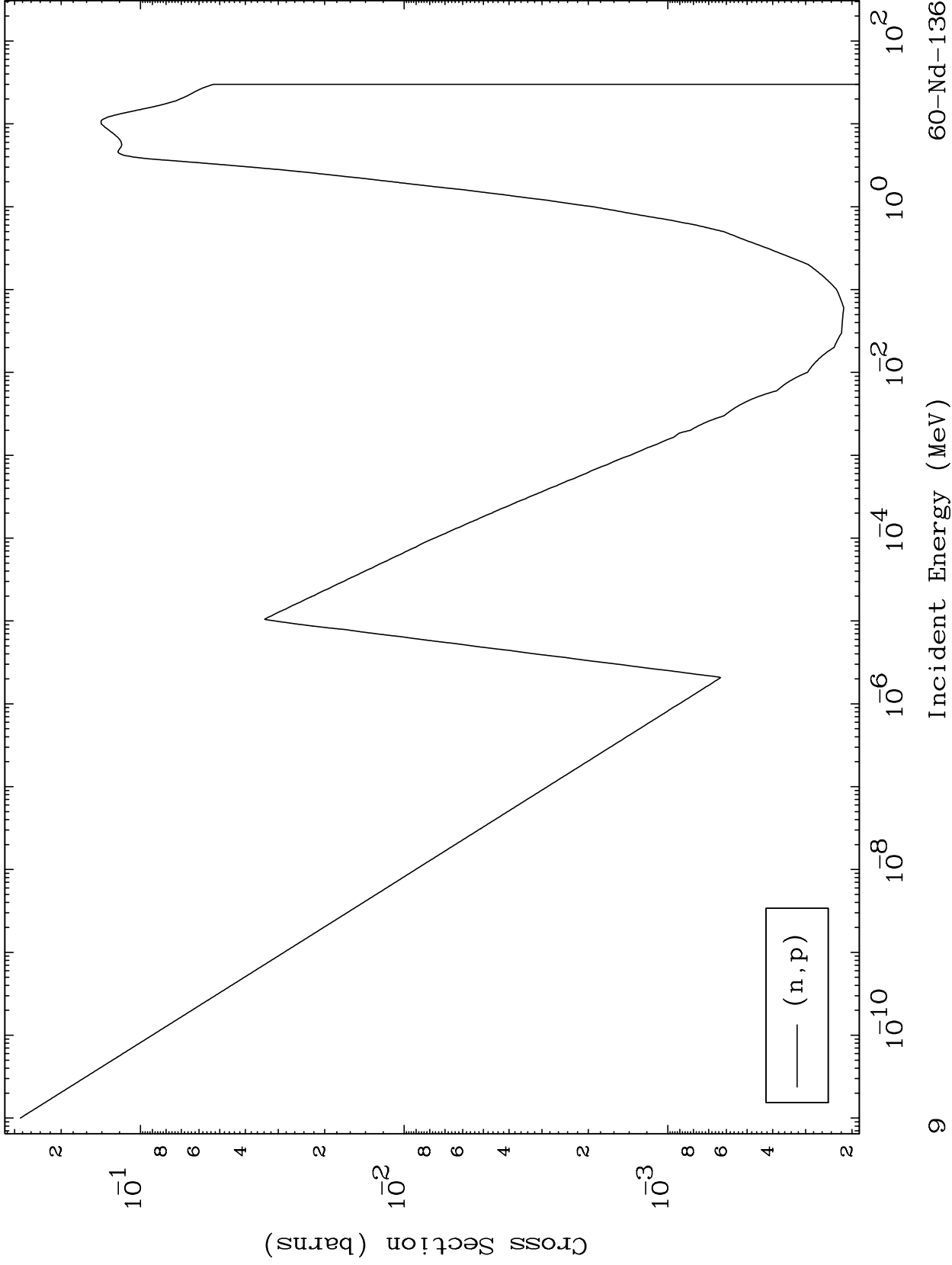
Incident Energy (MeV)

60-Nd-136

MAT 6007

(n,p) Levels  
293 Kelvin Cross Sections

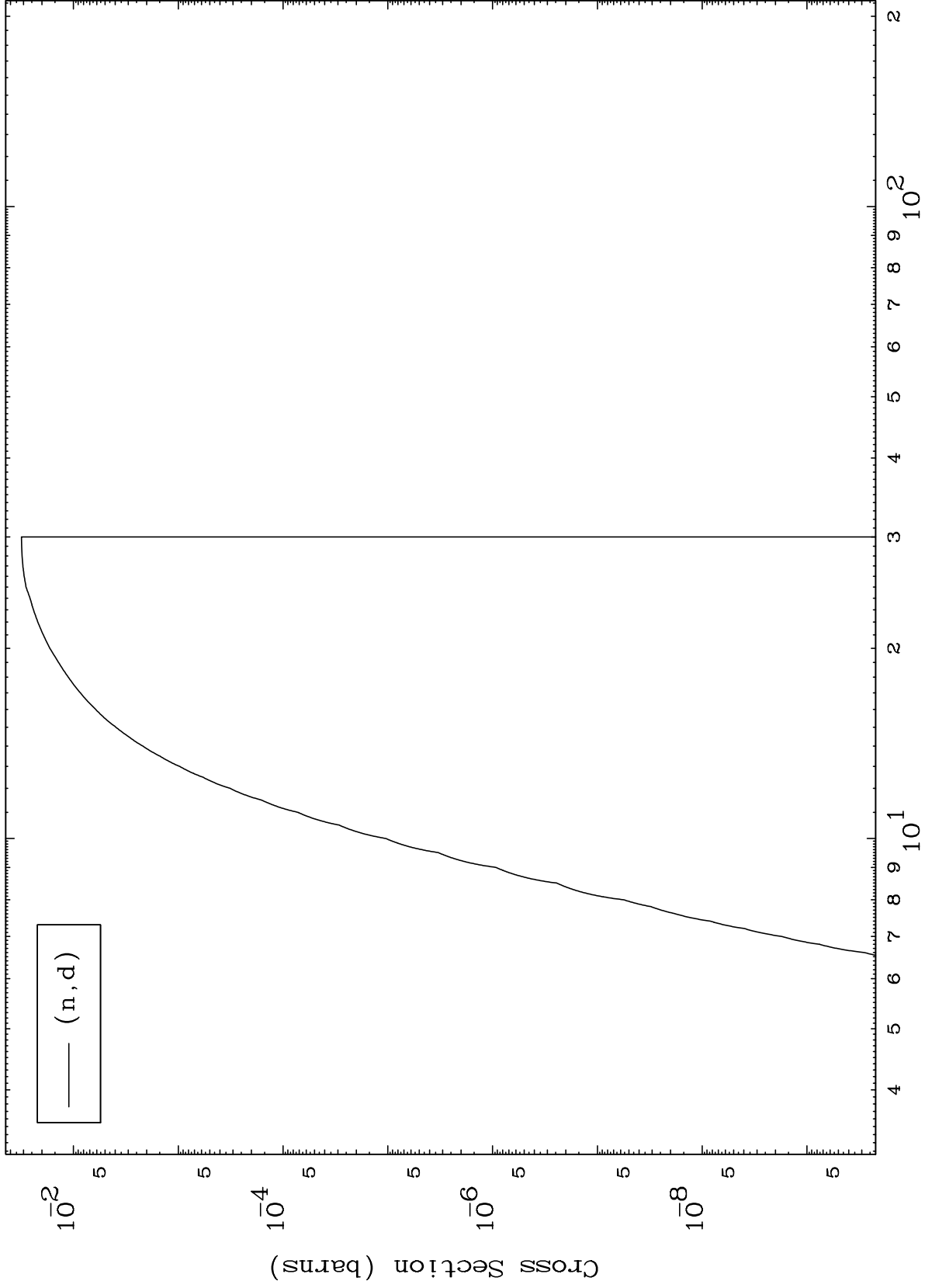
60-Nd-136



MAT 6007

(n,d) Levels  
293 Kelvin Cross Sections

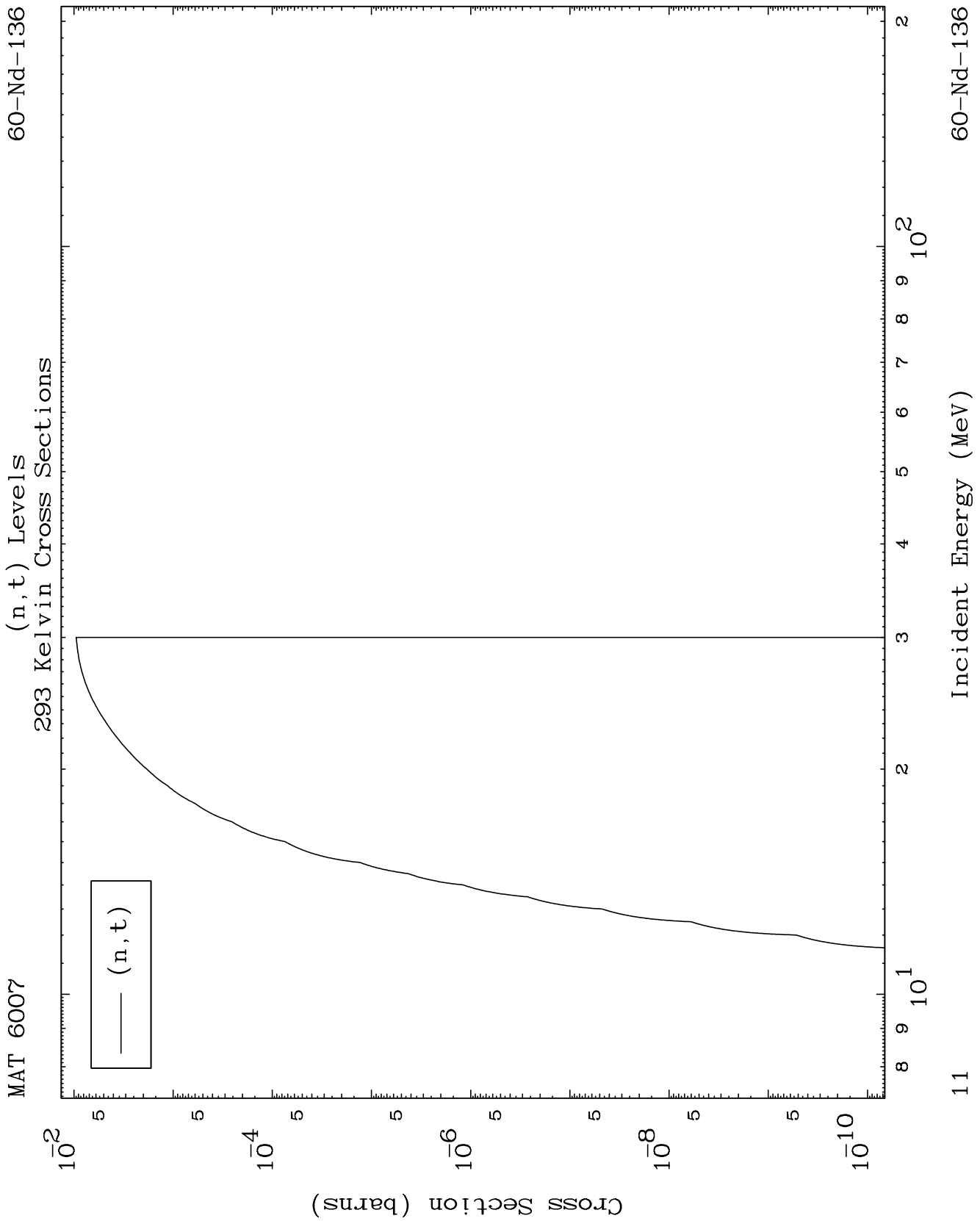
60-Nd-136



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Incident Energy (MeV)

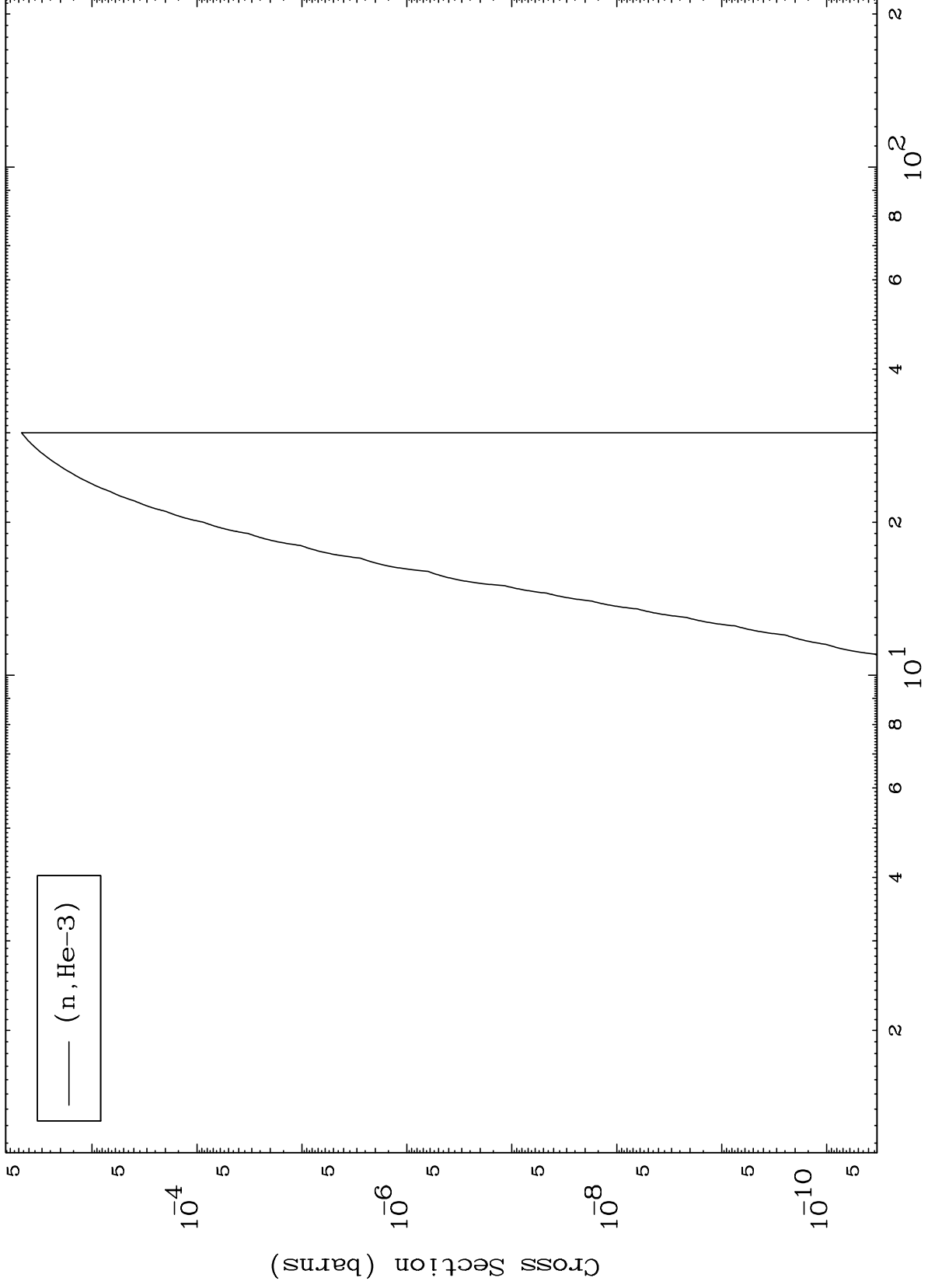
60-Nd-136



MAT 6007

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-136



12

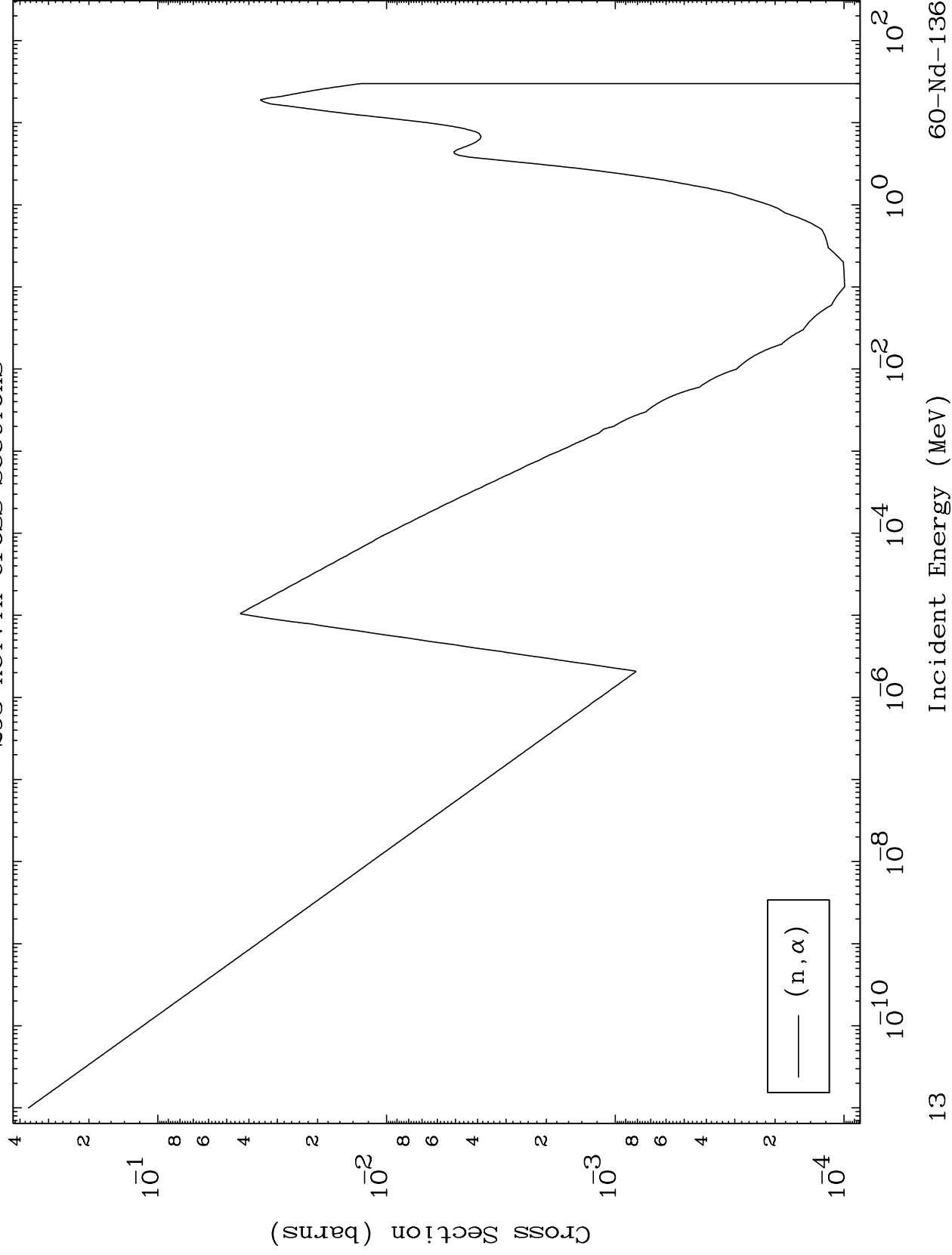
Incident Energy (MeV)

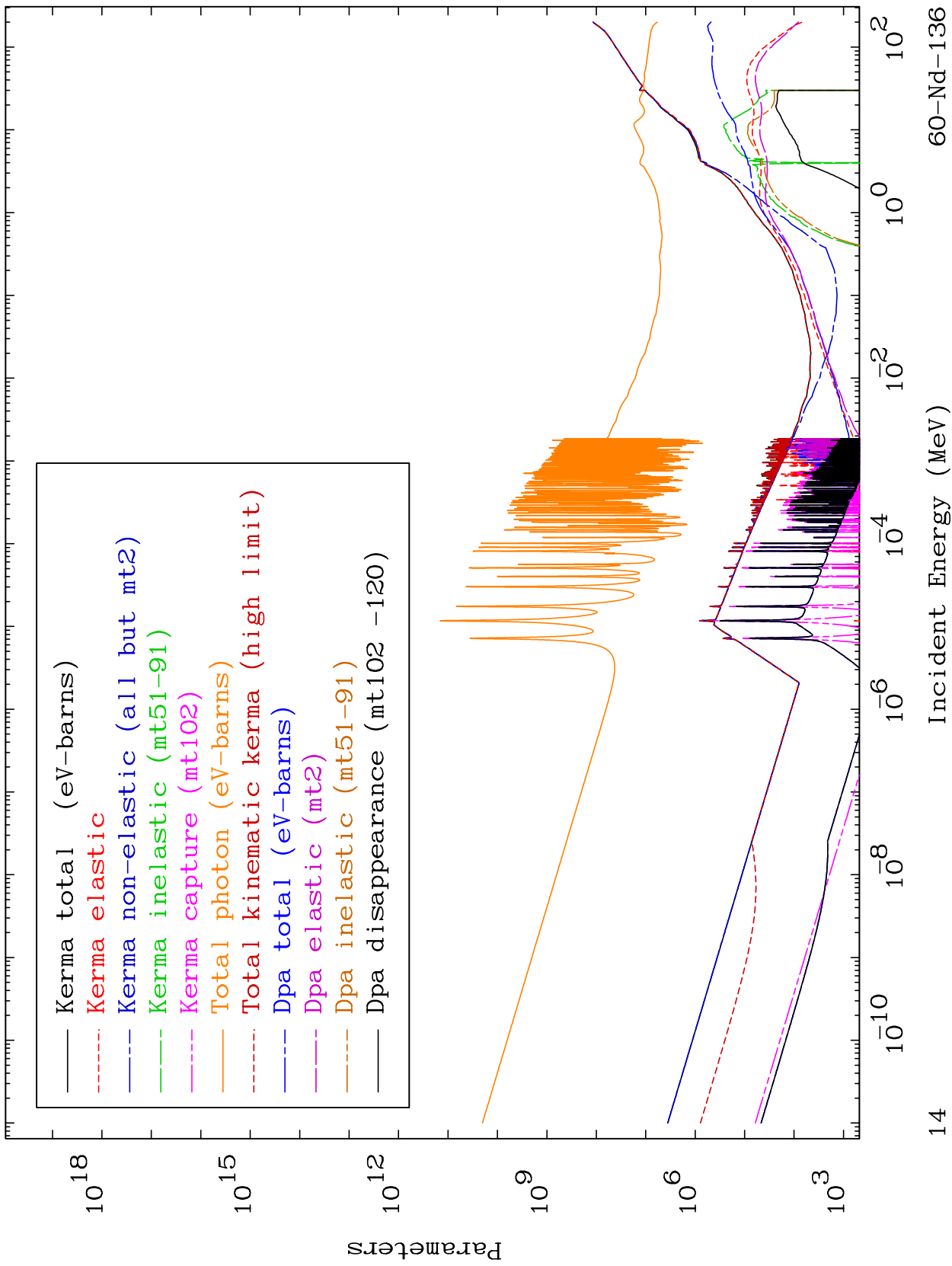
60-Nd-136

MAT 6007

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

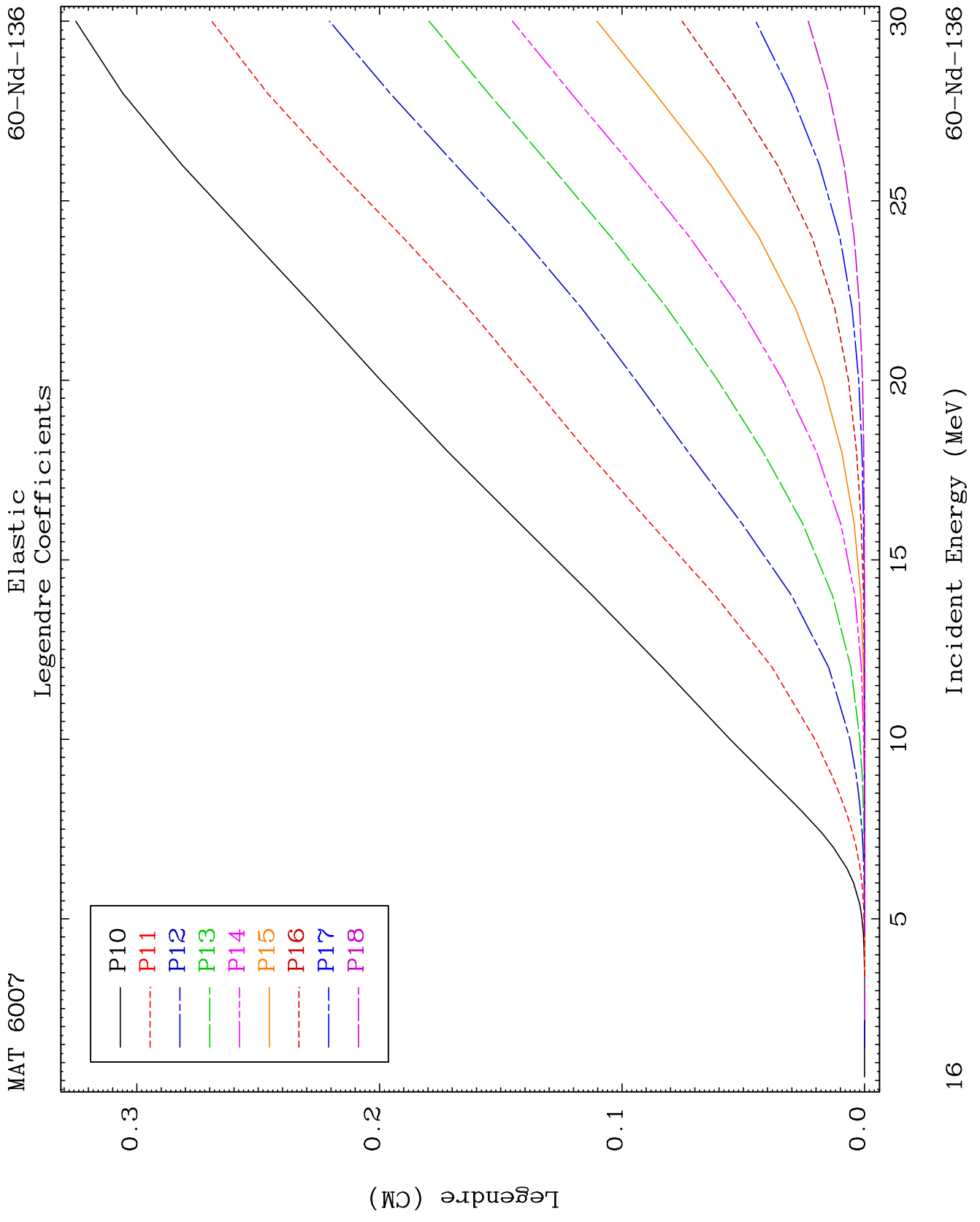
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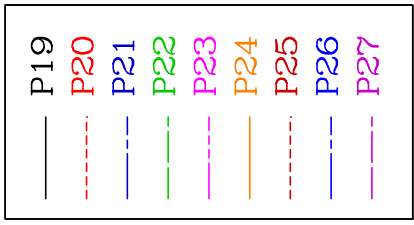
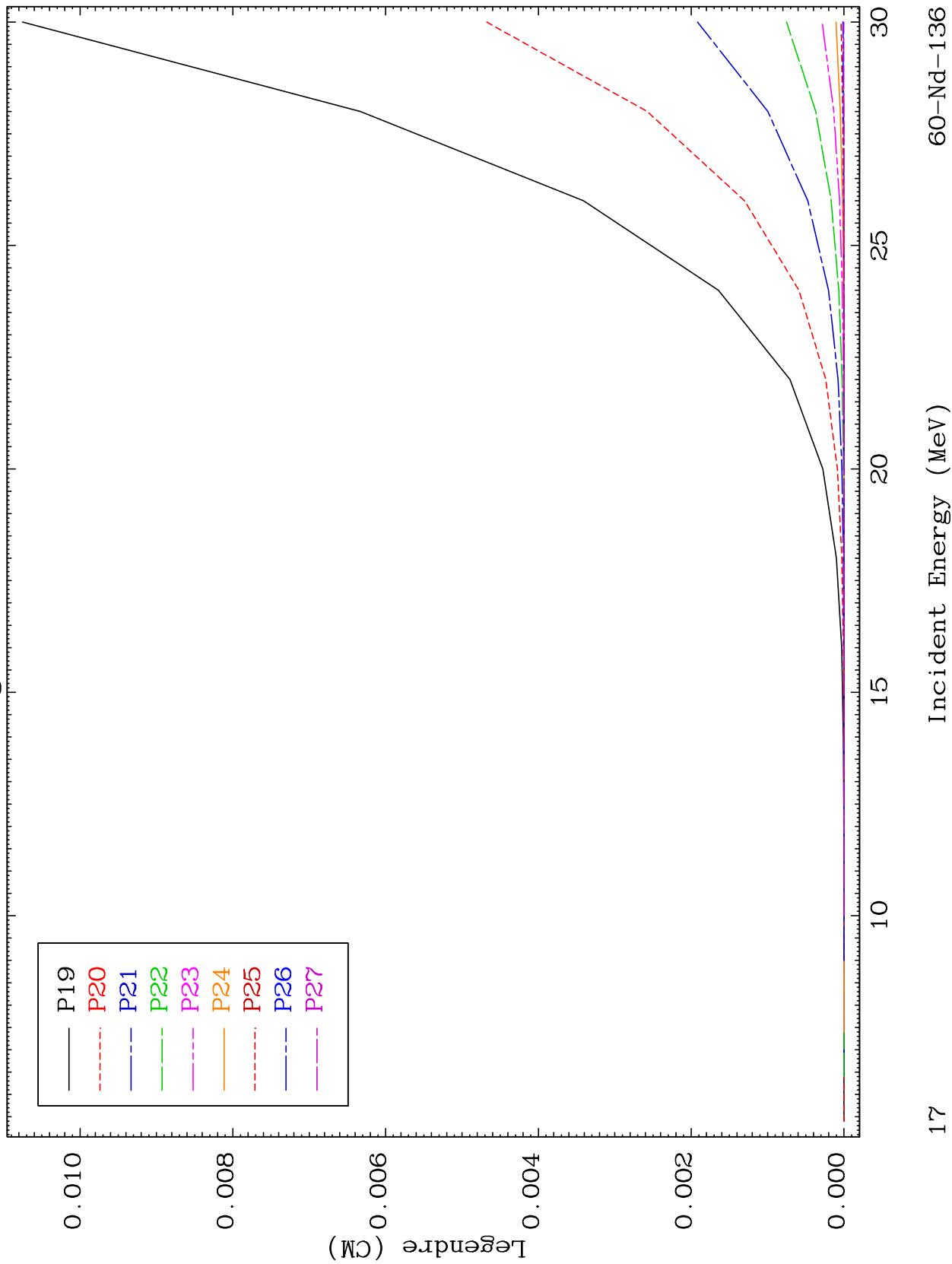




MAT 6007

### Elastic Legendre Coefficients

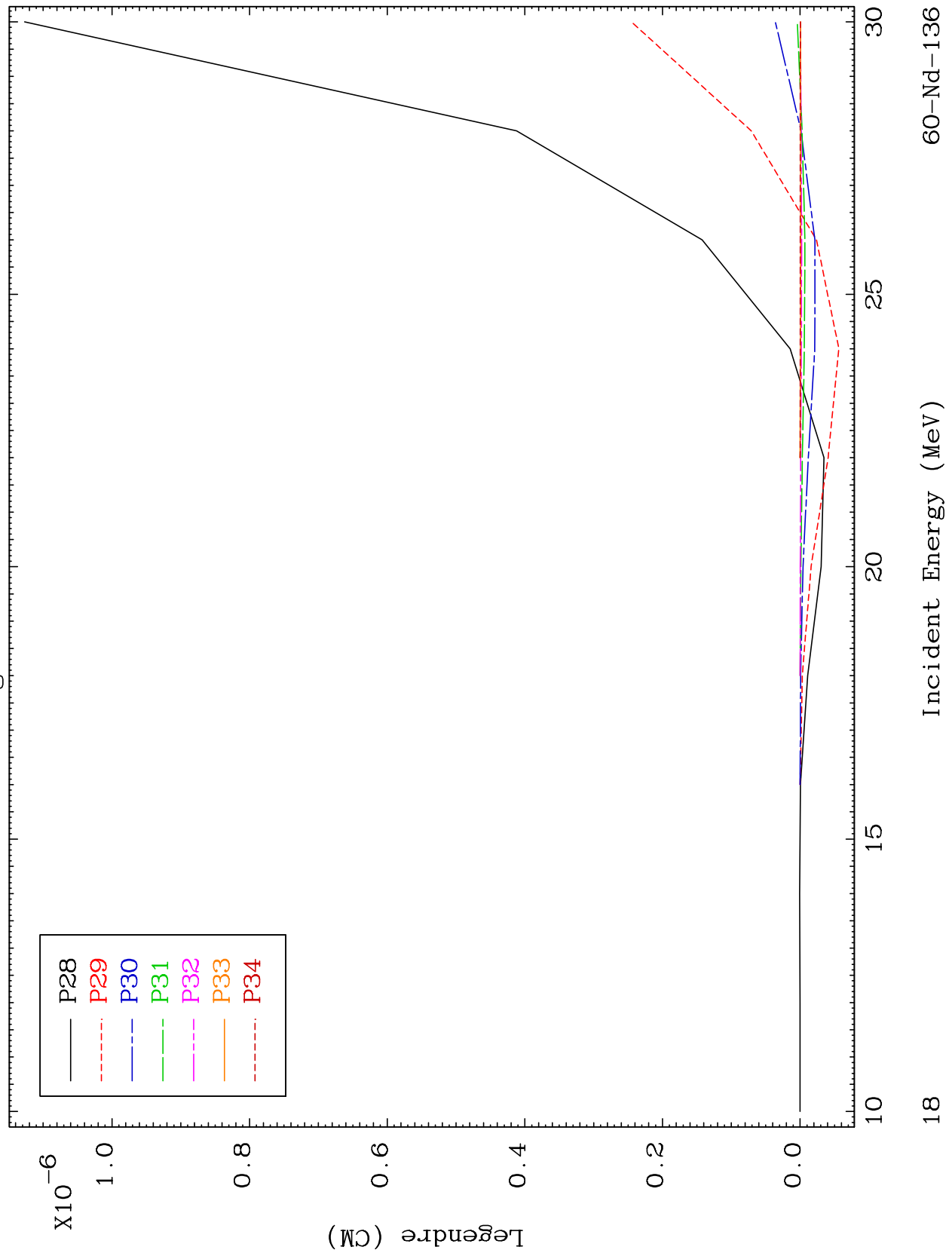
<sup>60</sup>Nd-136



MAT 6007

Elastic Legendre Coefficients

60-Nd-136



60-Nd-136

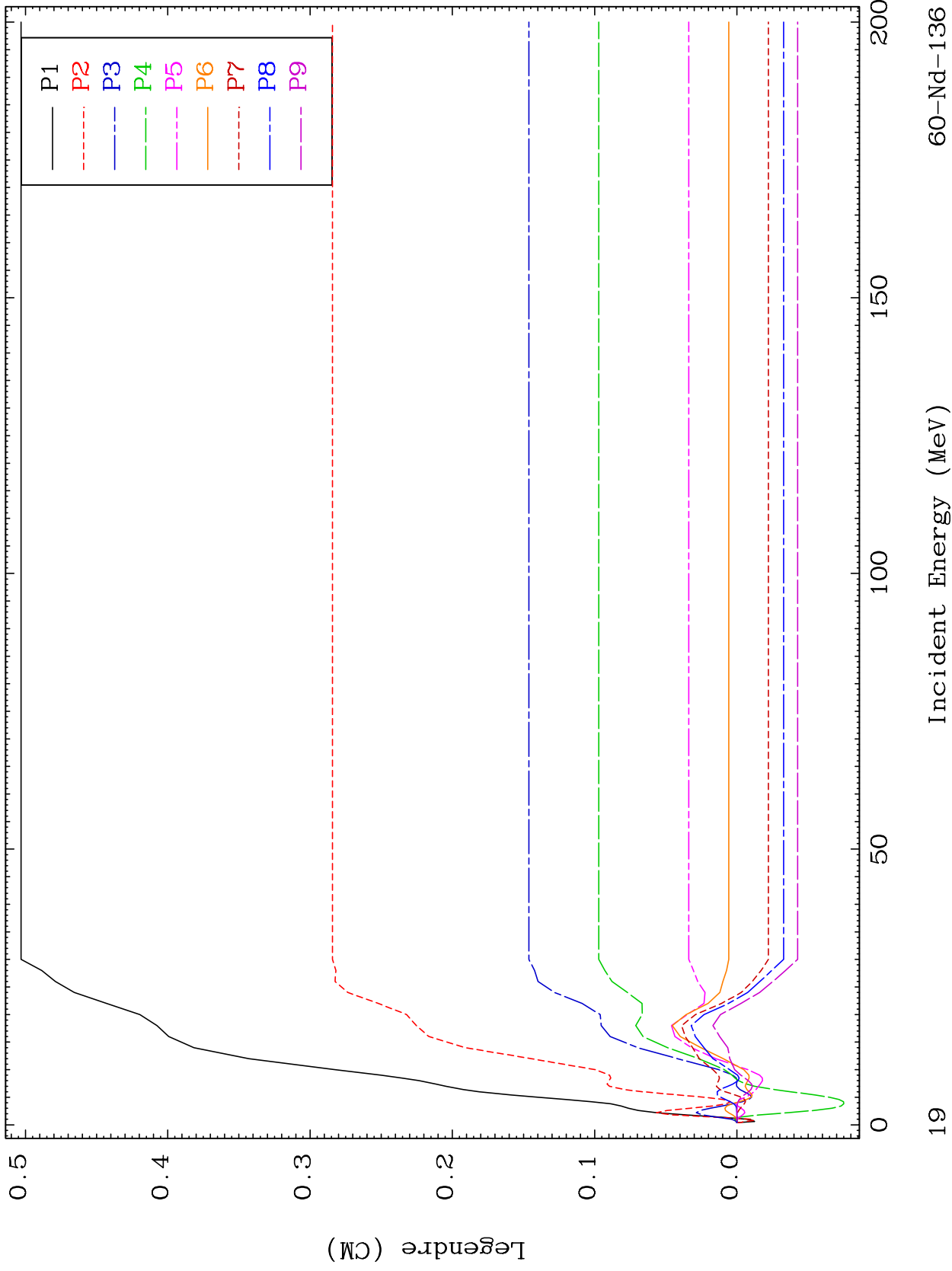
Incident Energy (MeV)

18

MAT 6007

373.7 keV (n,n') Level  
Legendre Coefficients

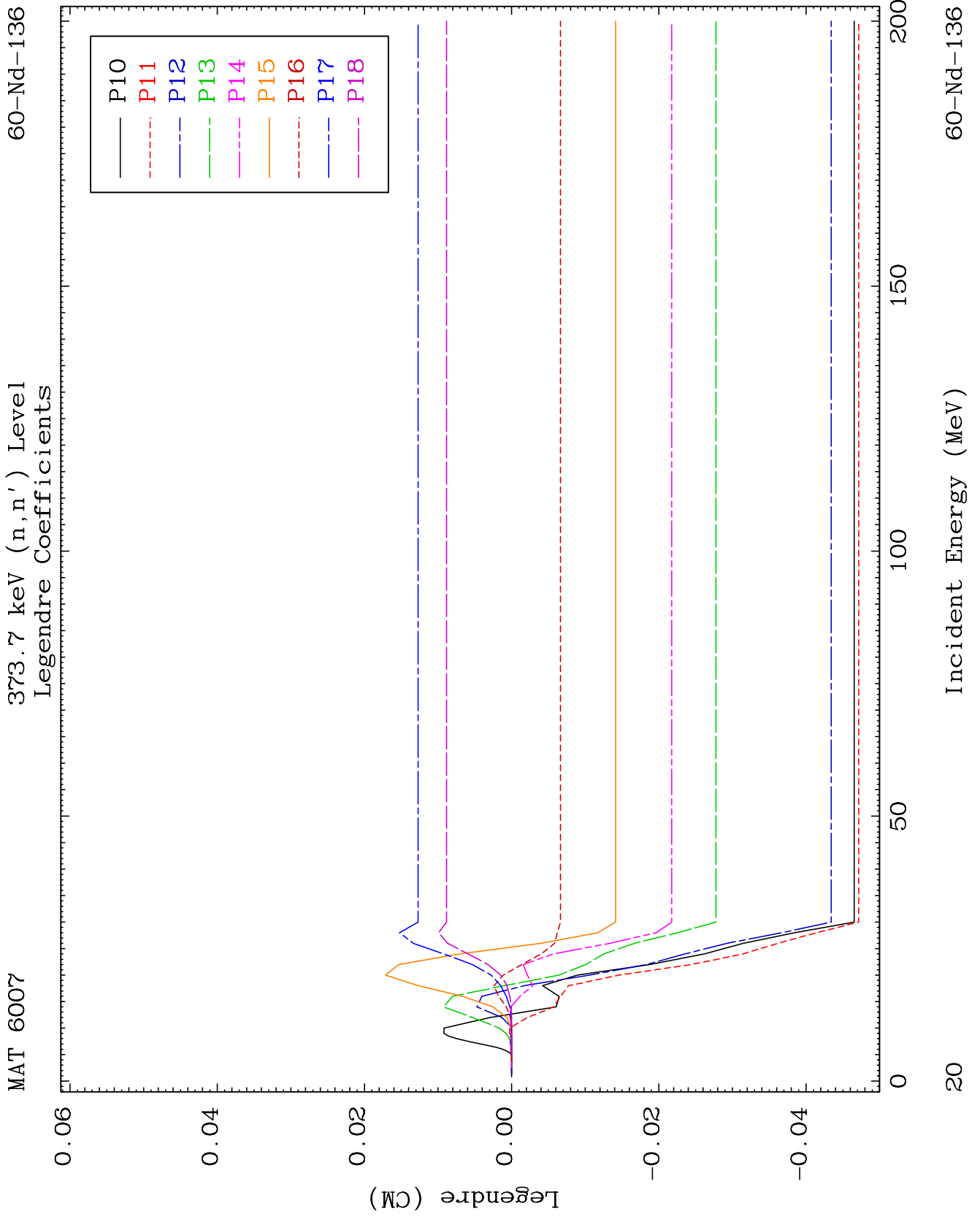
60-Nd-136



19

Incident Energy (MeV)

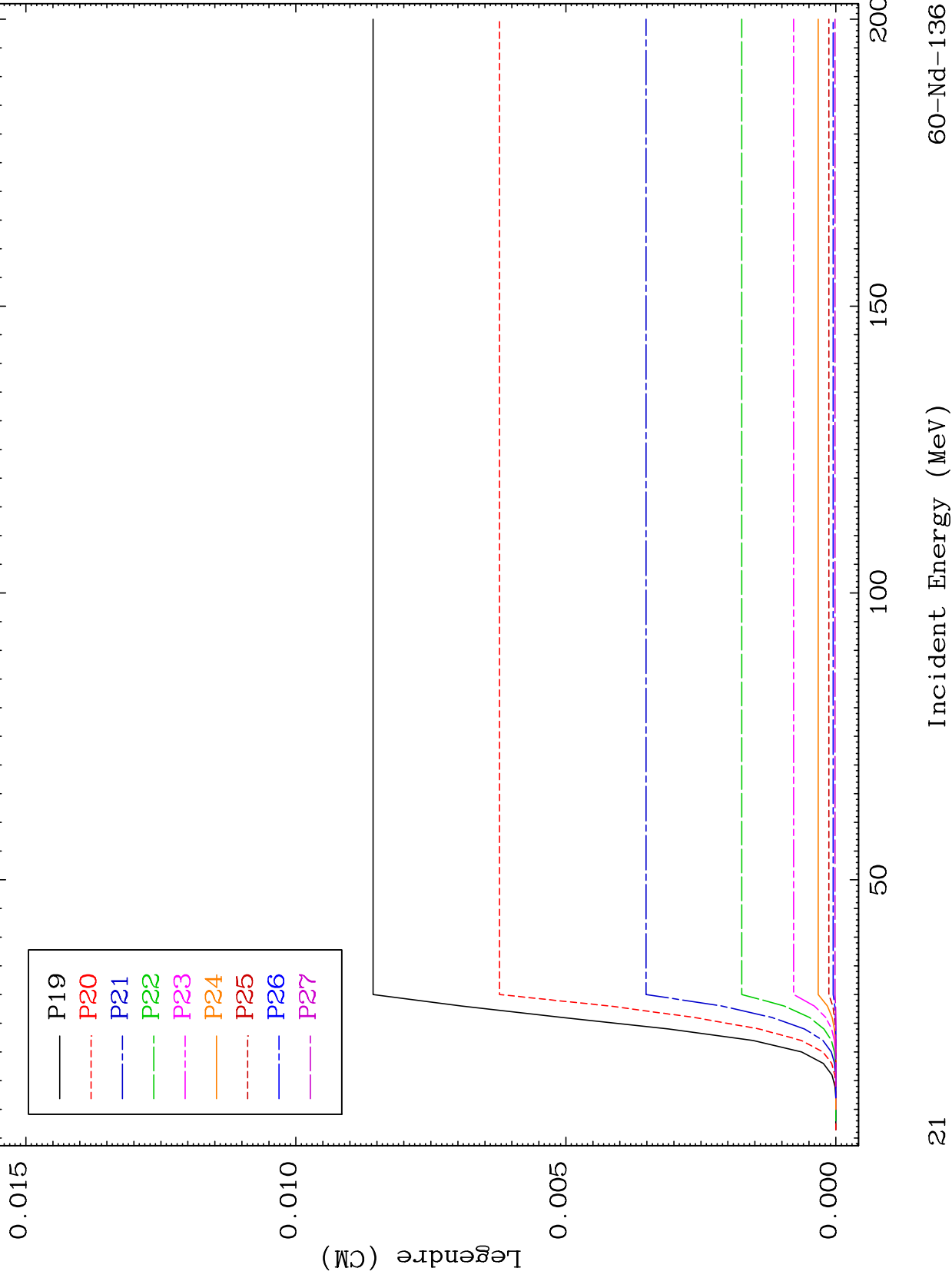
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MAT 6007

373.7 keV (n,n') Level  
Legendre Coefficients

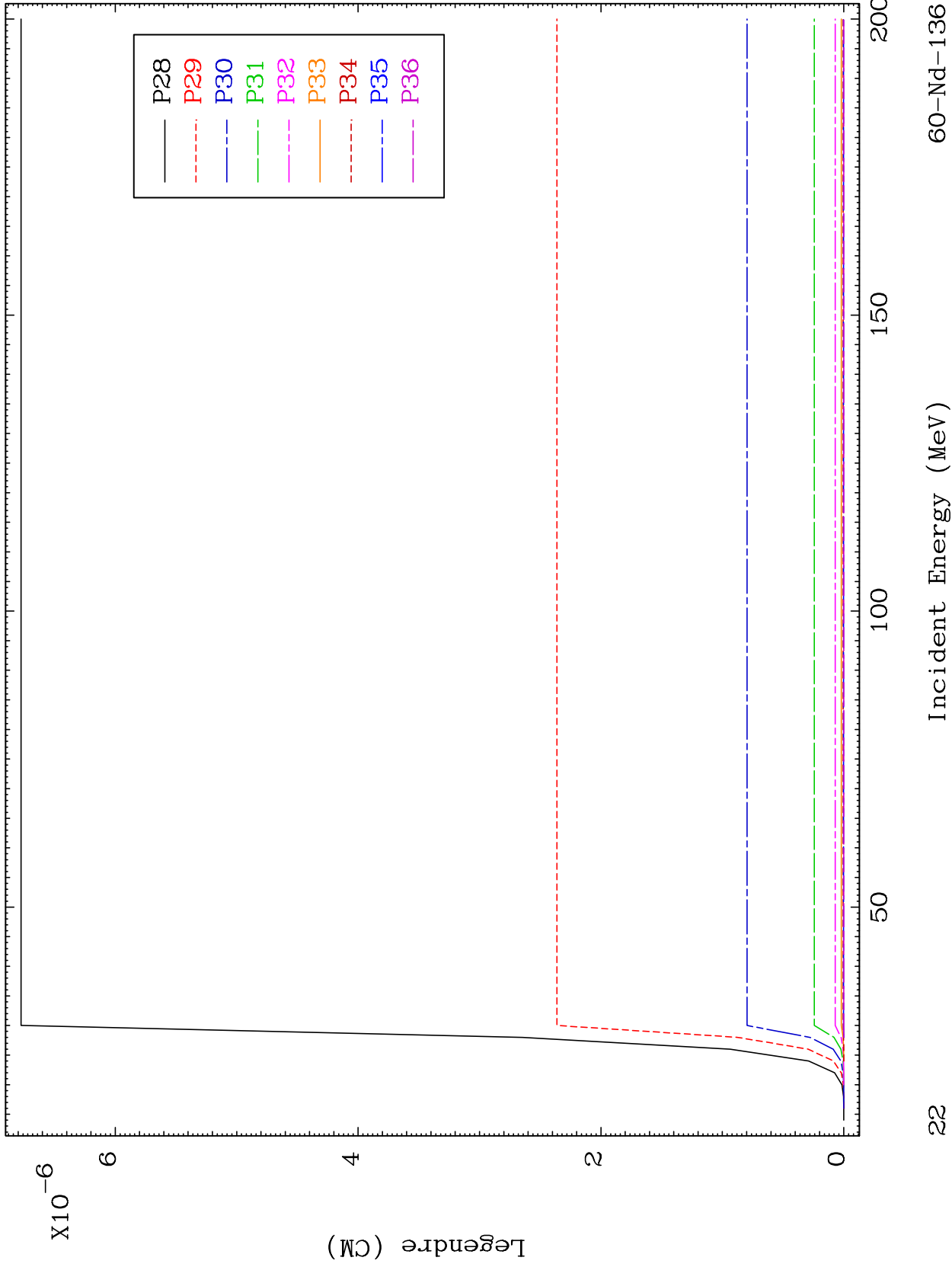
60-Nd-136



MAT 6007

373.7 keV (n,n') Level  
Legendre Coefficients

60-Nd-136



22

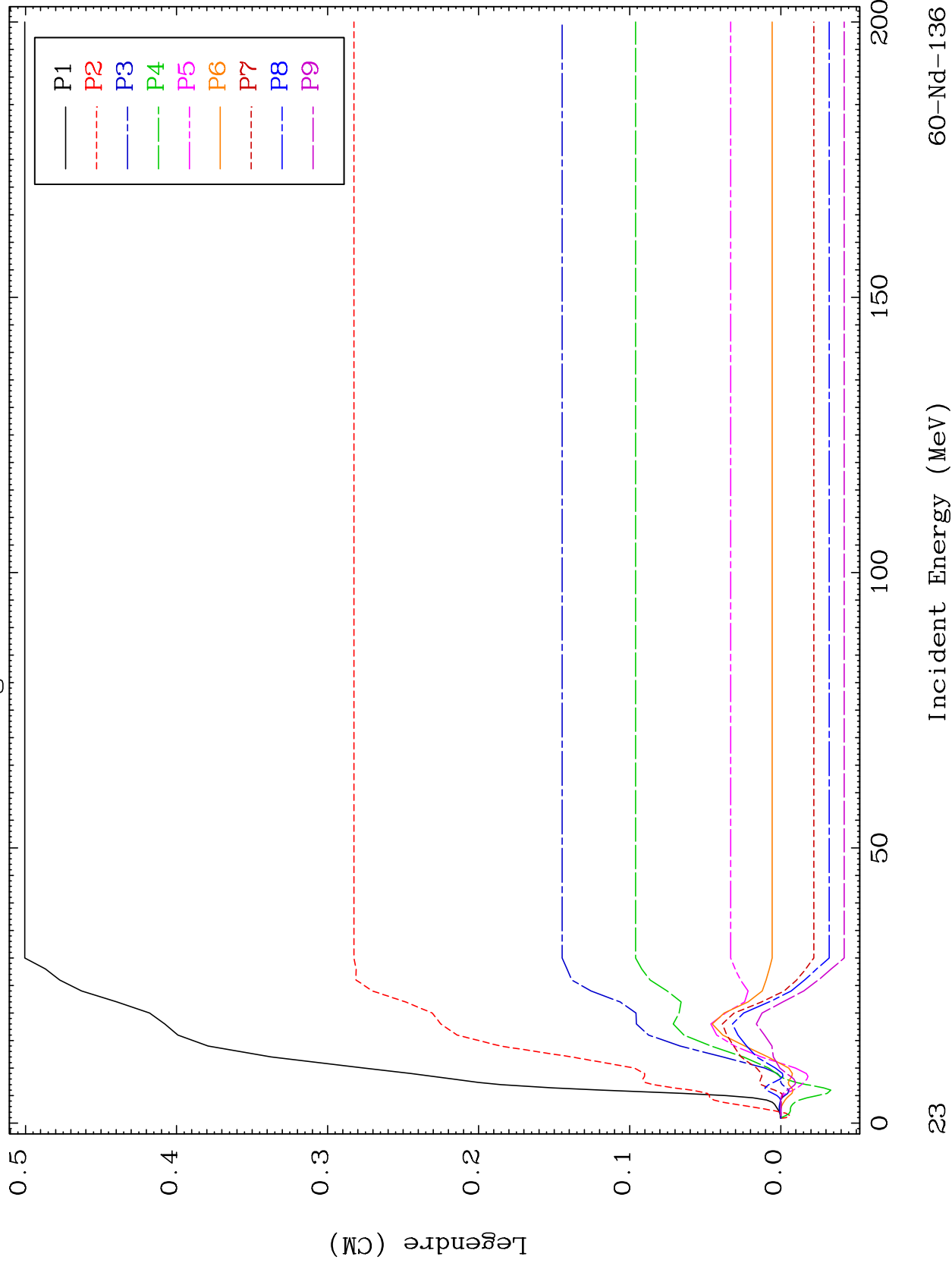
Incident Energy (MeV)

60-Nd-136

MAT 6007

862.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-136

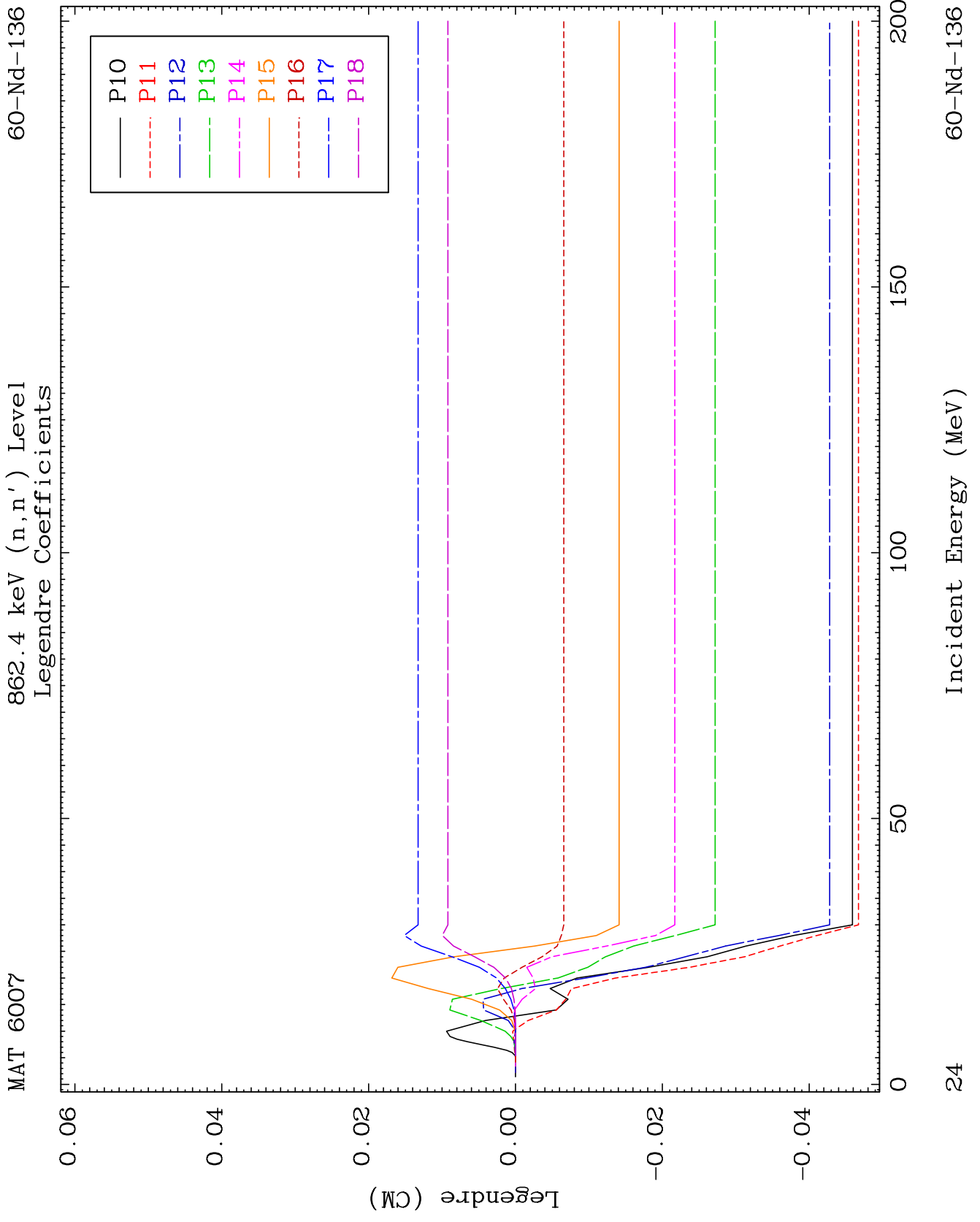


60-Nd-136

Incident Energy (MeV)

23

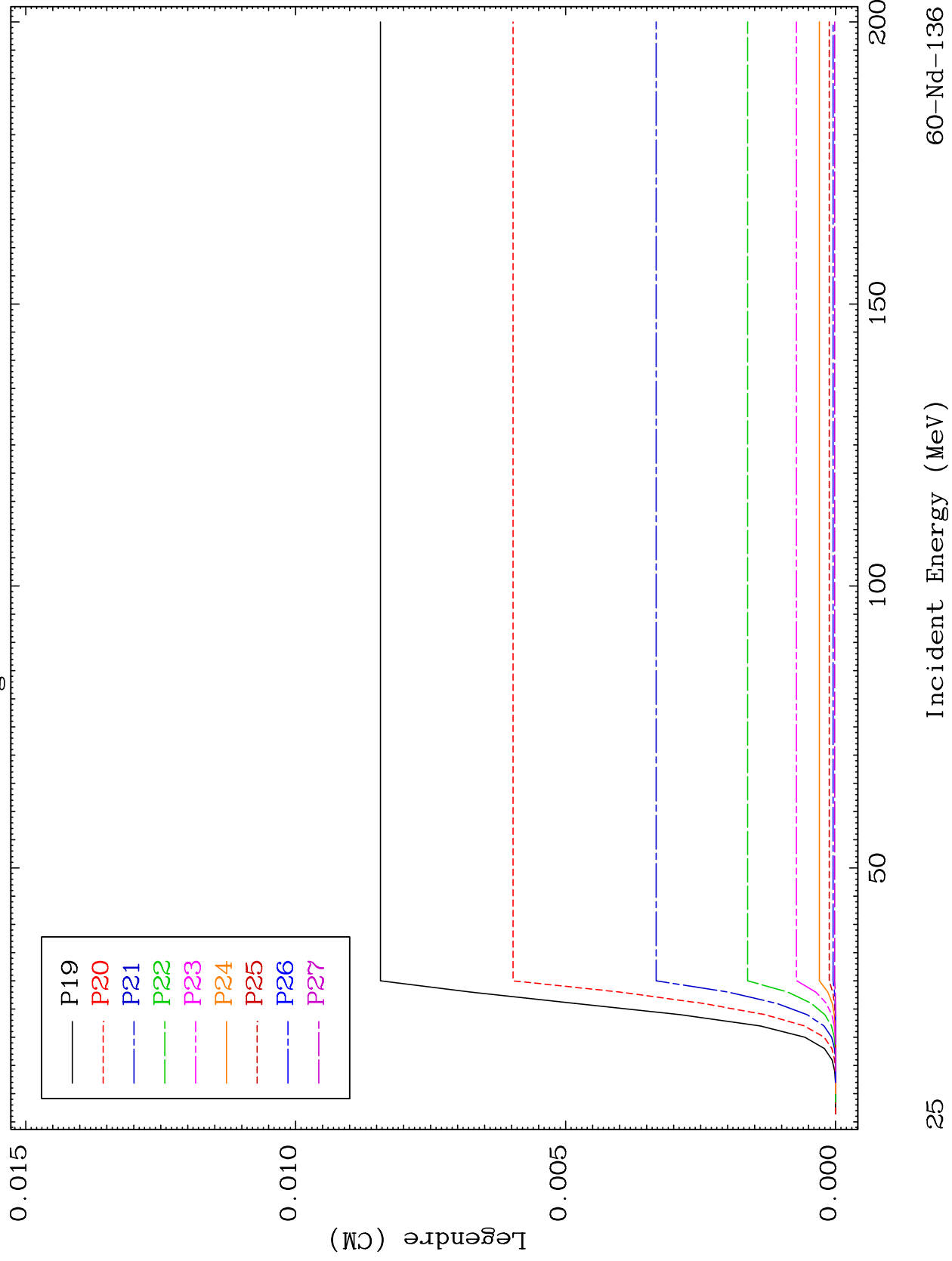




MAT 6007

862.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-136



25

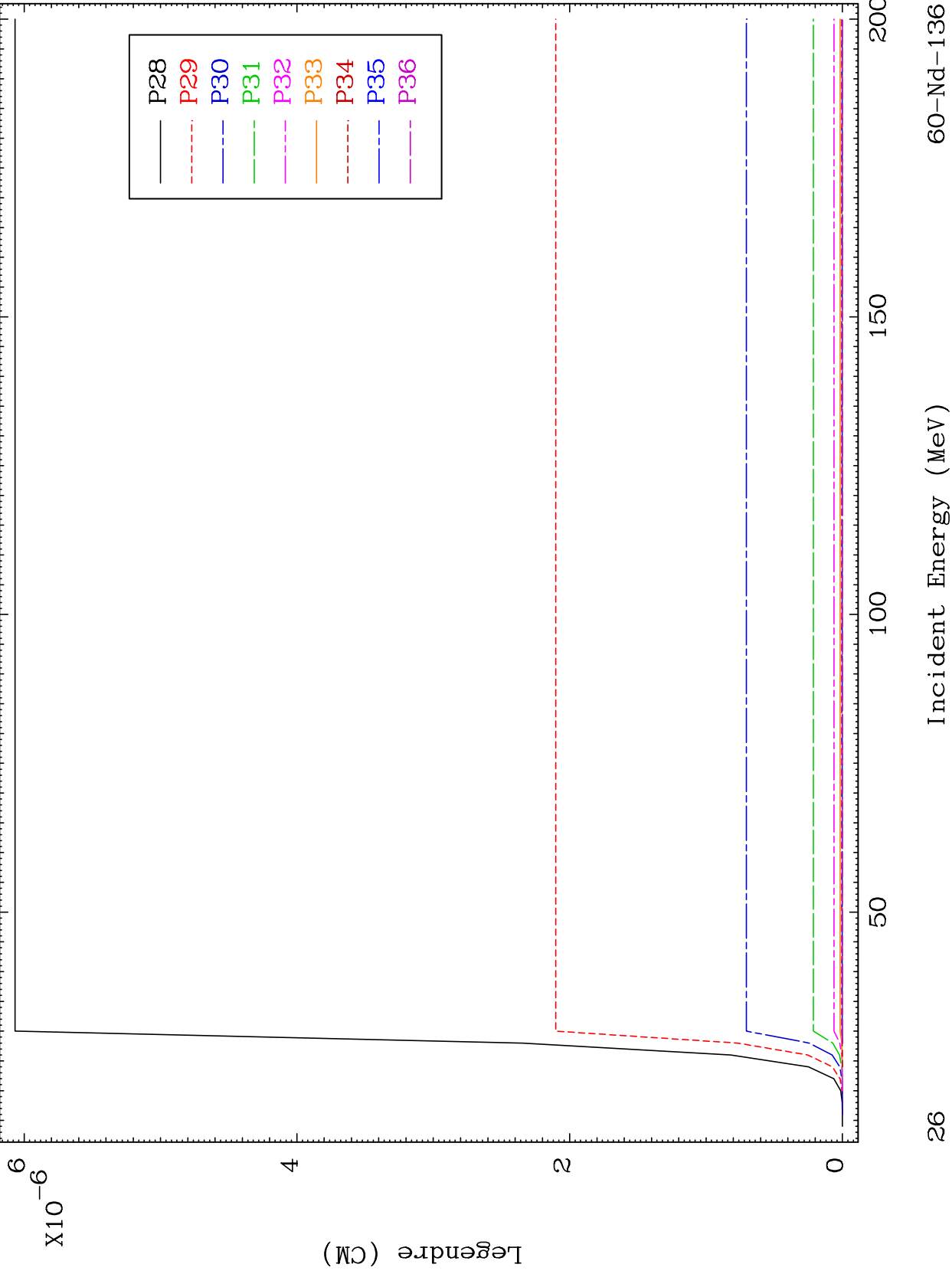
Incident Energy (MeV)

60-Nd-136

MAT 6007

862.4 keV (n,n') Level  
Legendre Coefficients

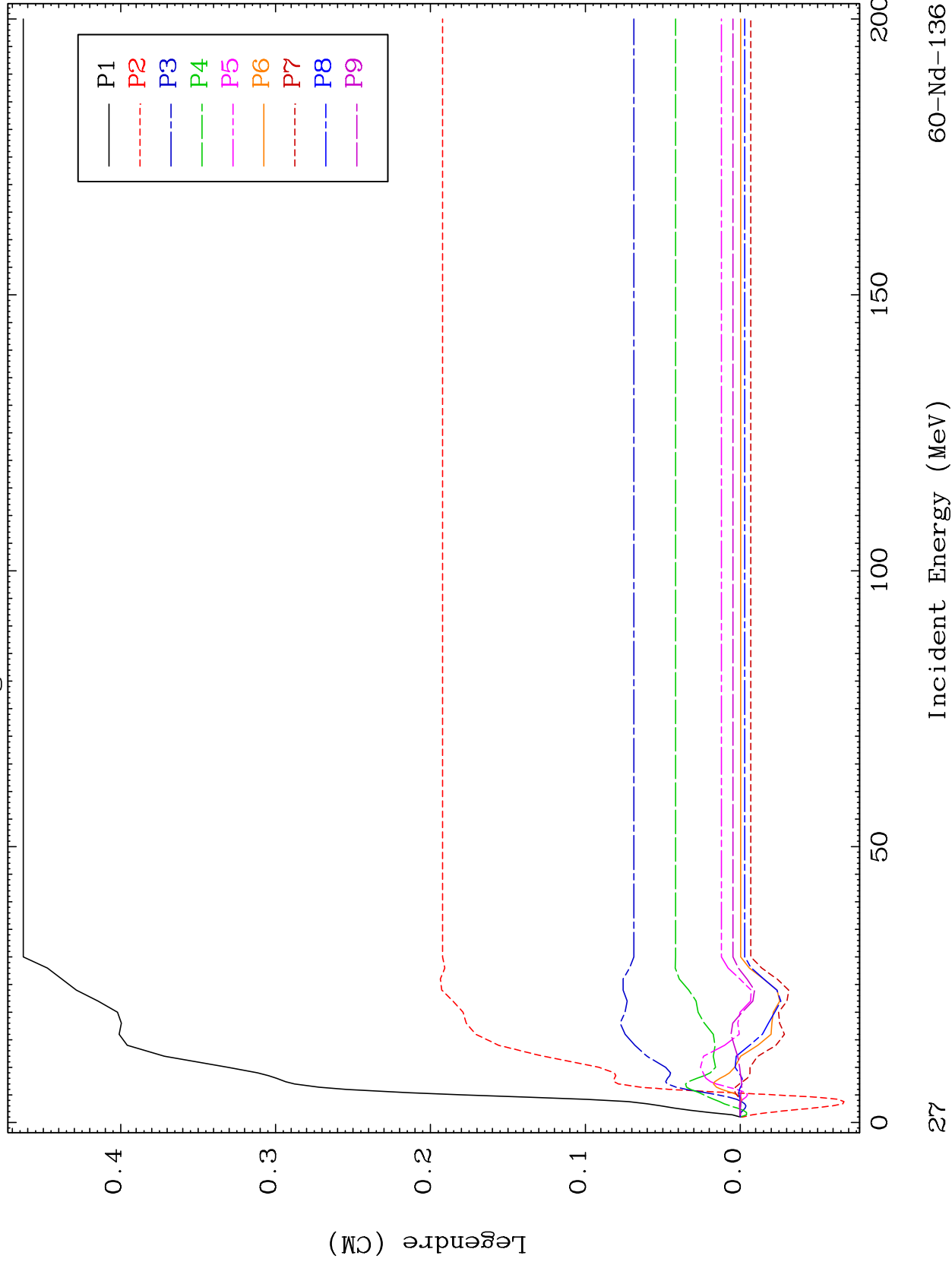
60-Nd-136



MAT 6007

976.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-136



60-Nd-136

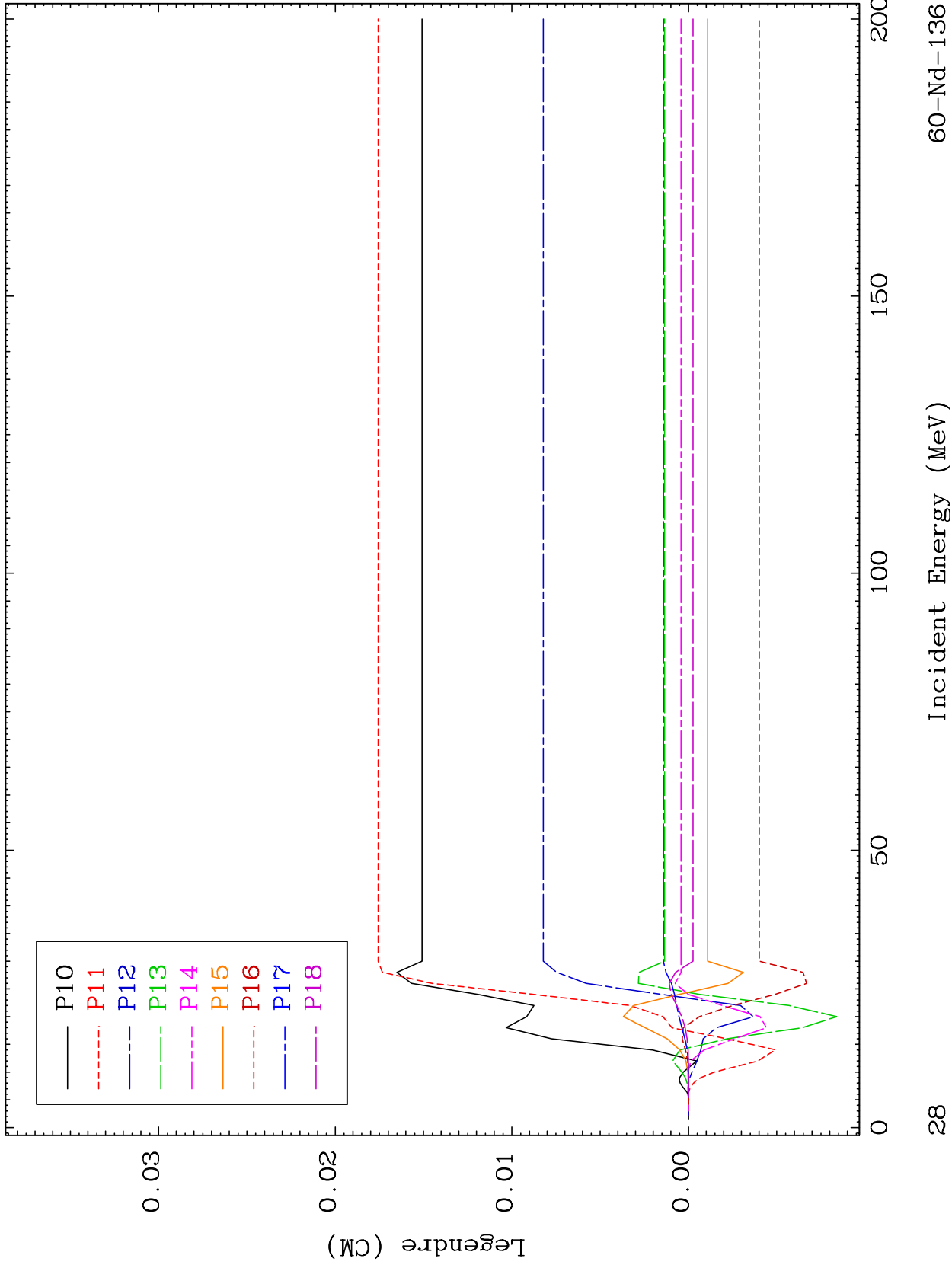
Incident Energy (MeV)

27

MAT 6007

976.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-136



60-Nd-136

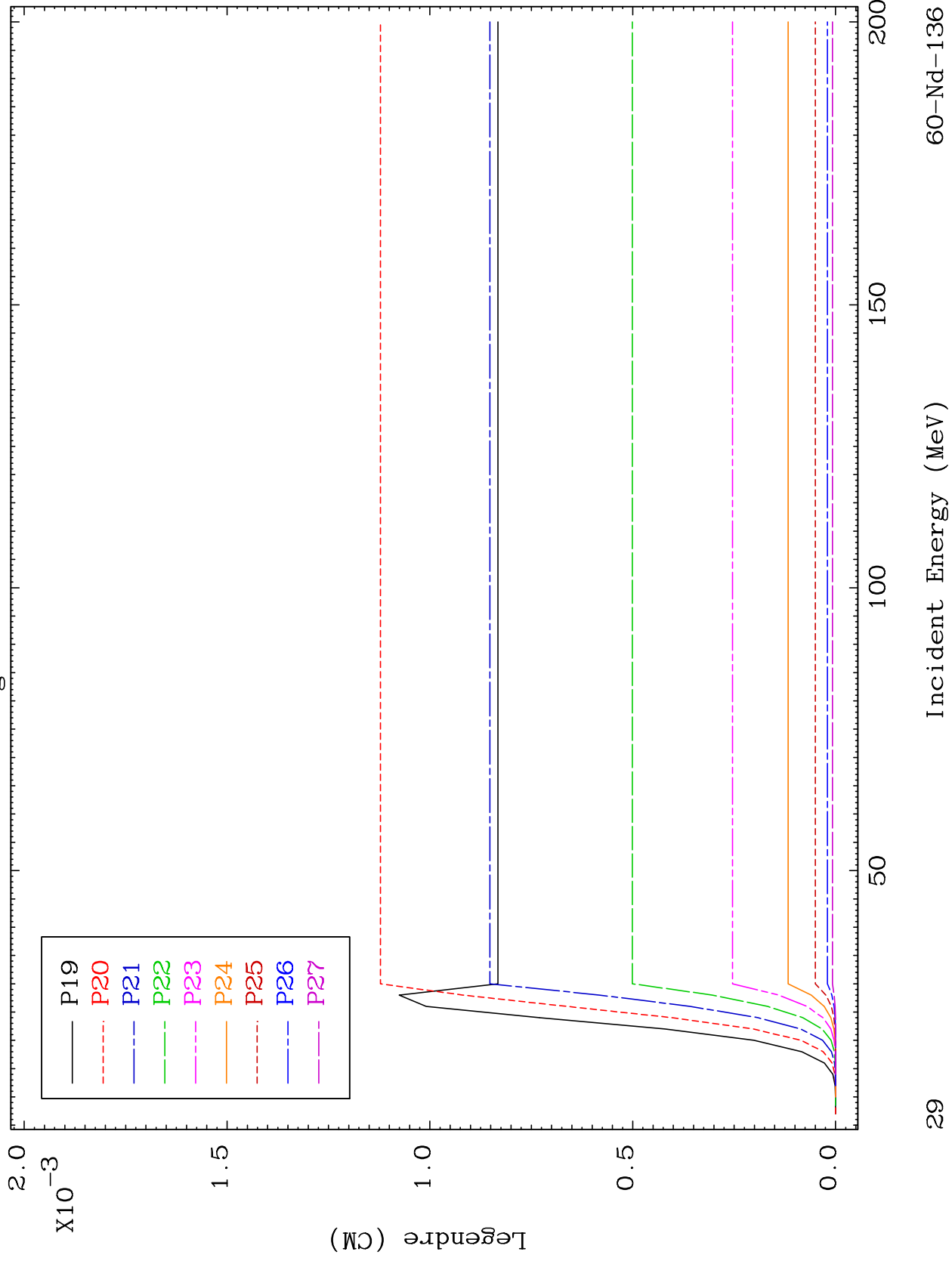
Incident Energy (MeV)

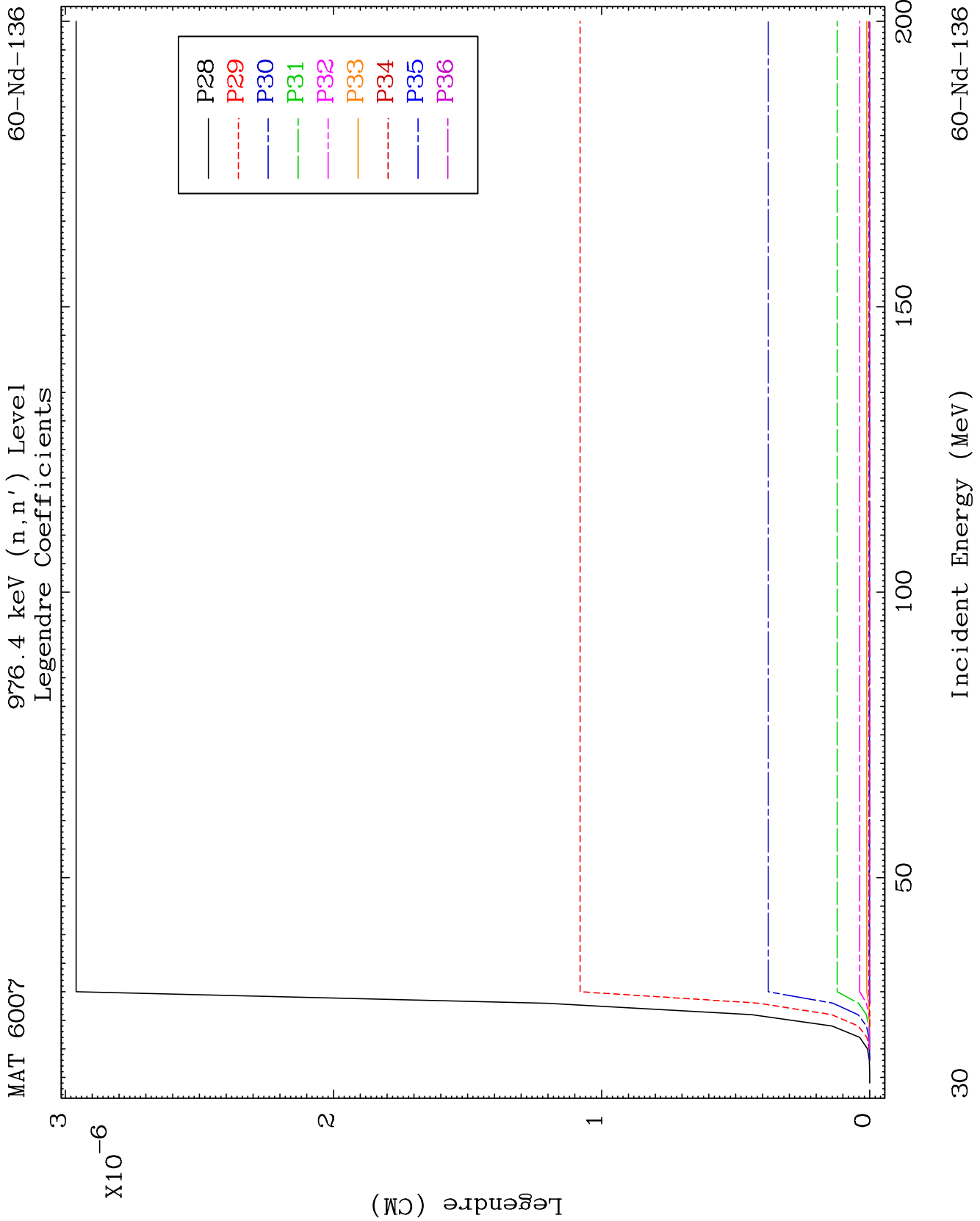
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MAT 6007

976.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-136





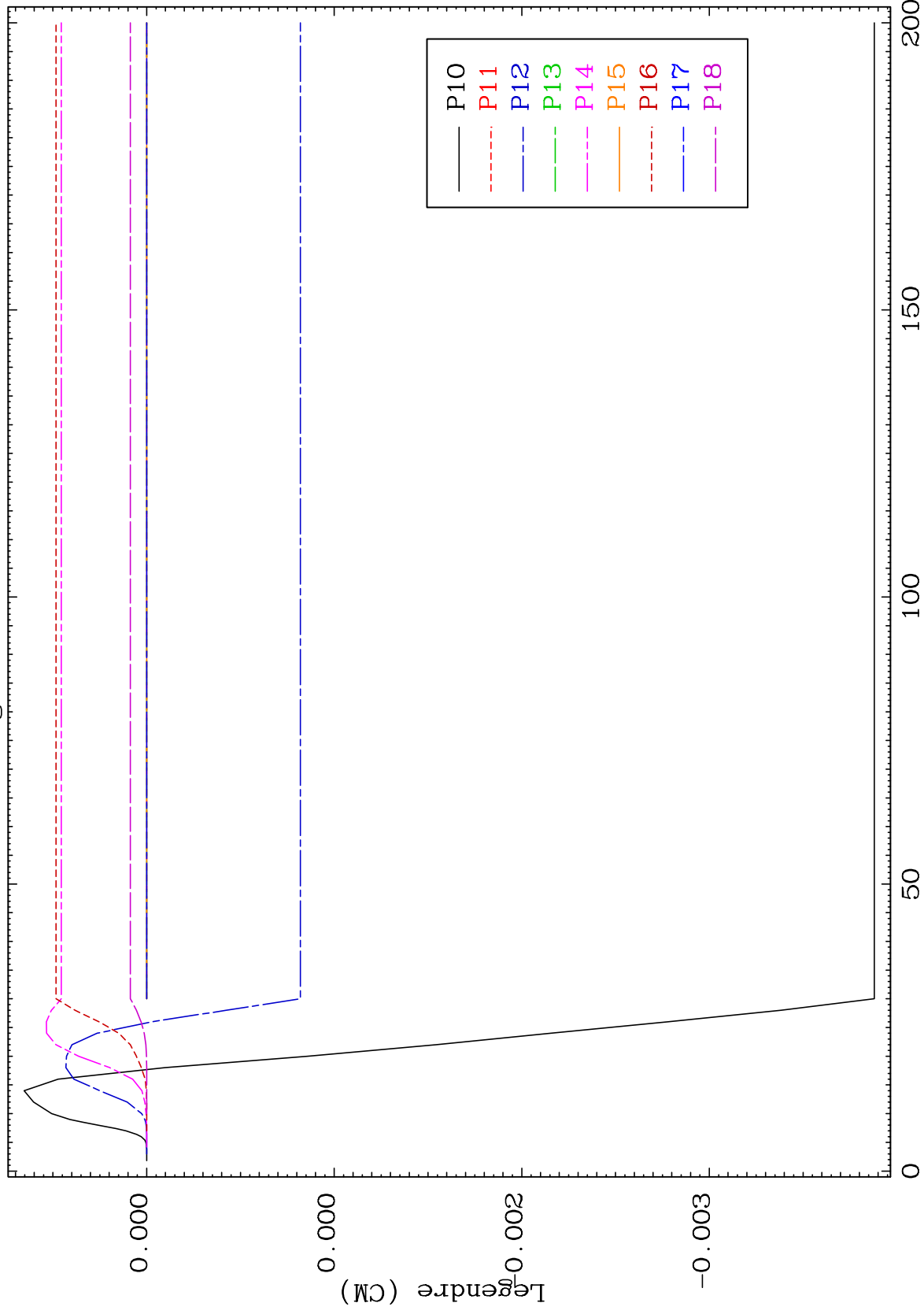




MAT 6007

1.231 MeV (n,n') Level  
Legendre Coefficients

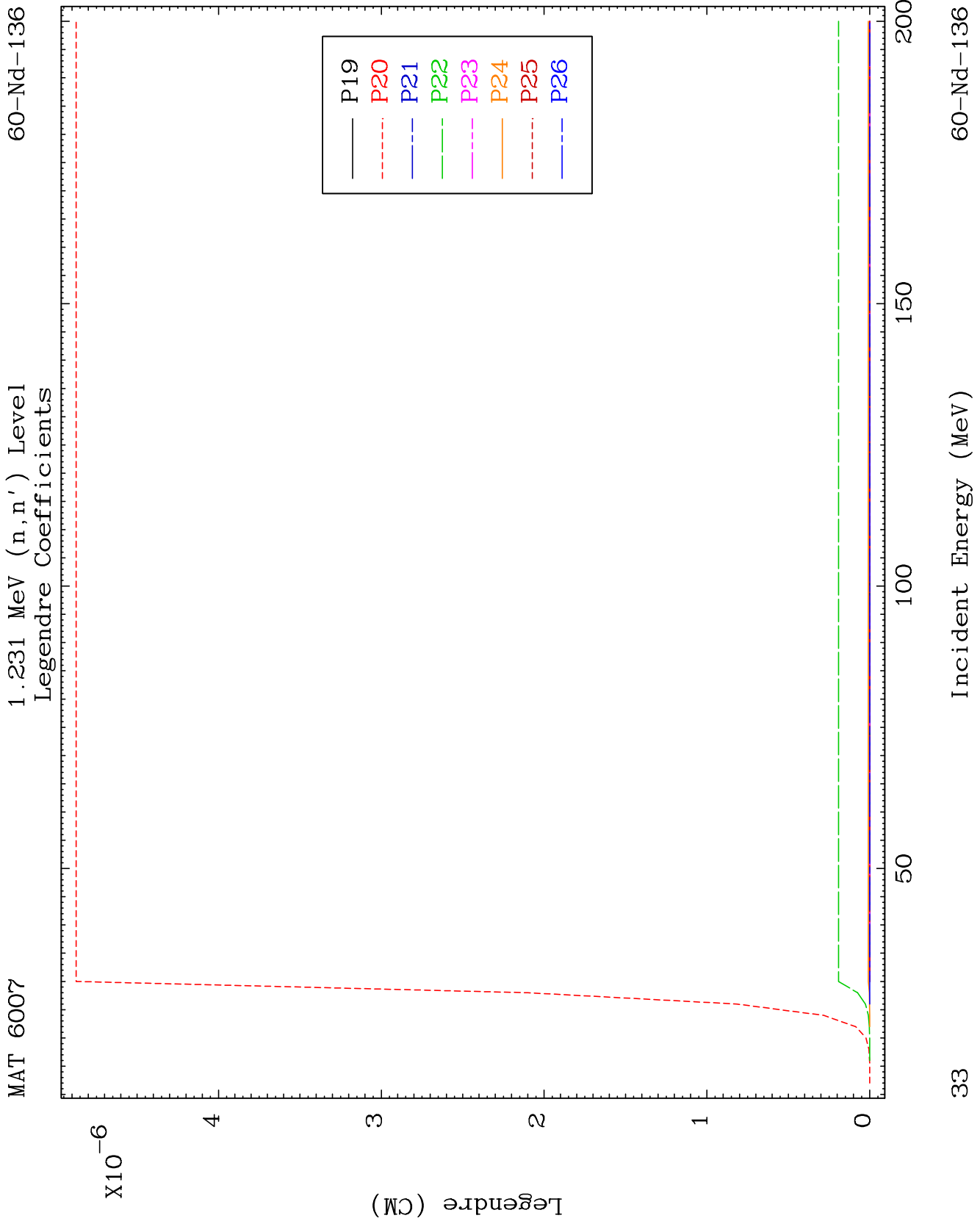
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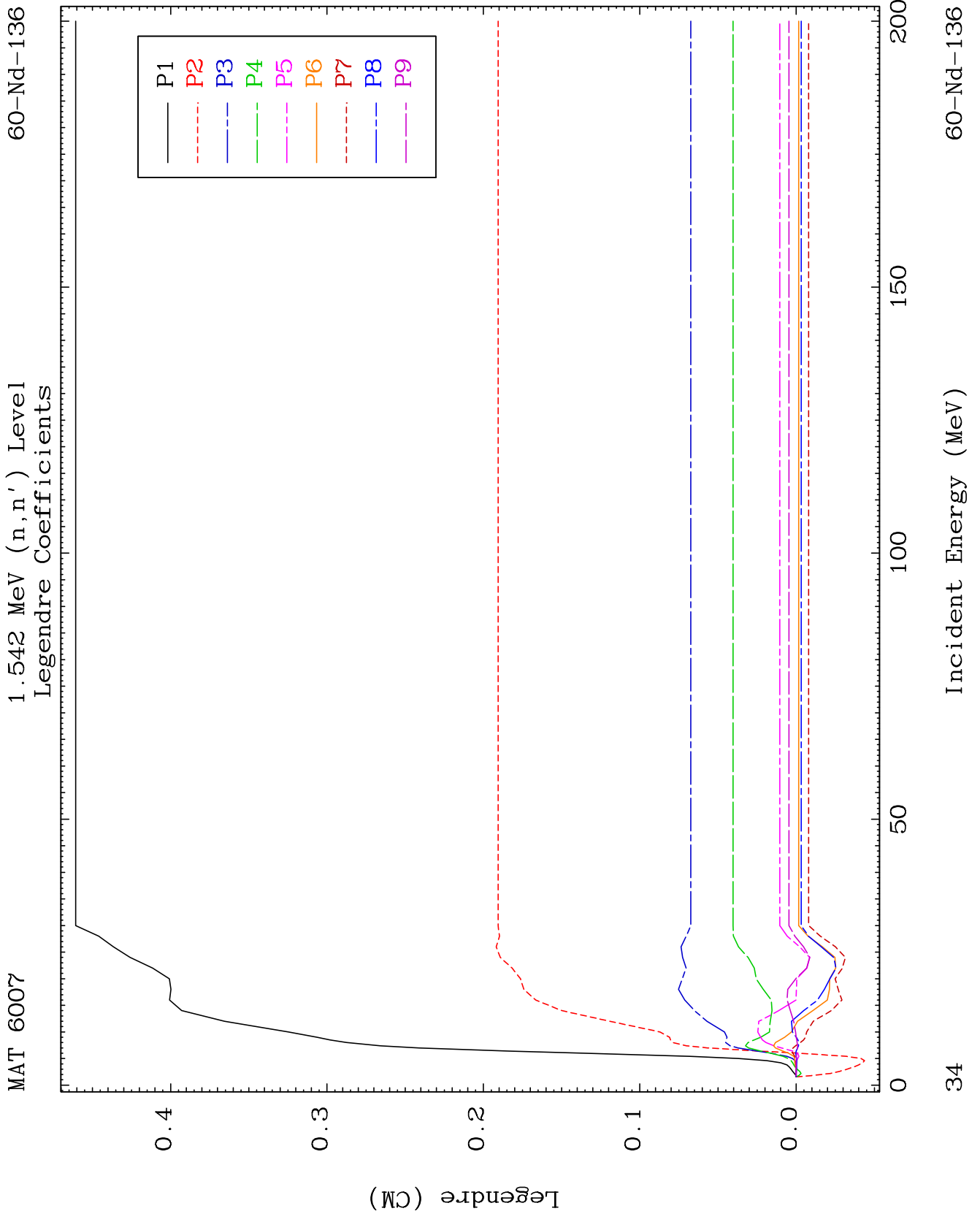


32

Incident Energy (MeV)

60-Nd-136

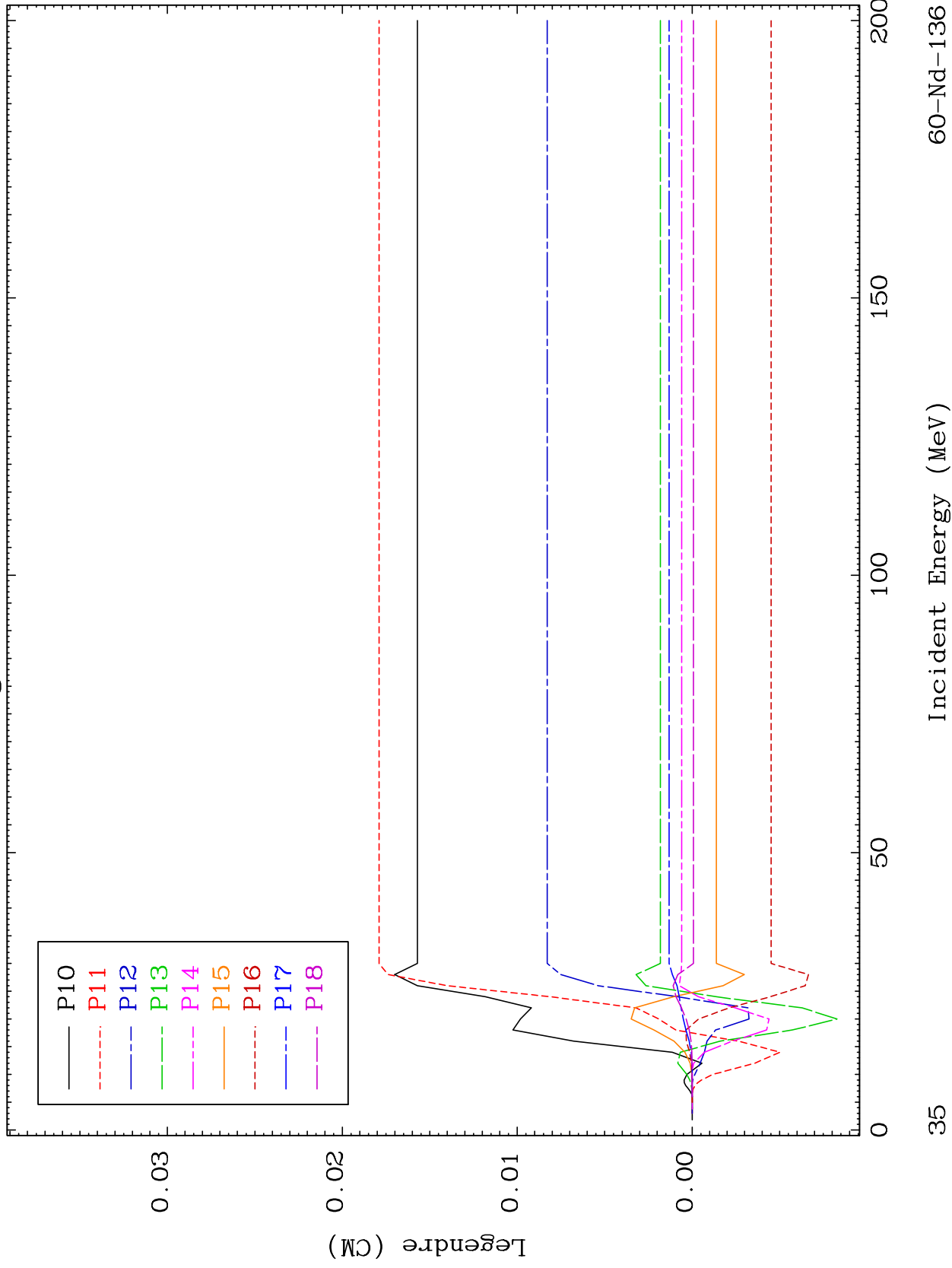




MAT 6007

1.542 MeV (n, n') Level  
Legendre Coefficients

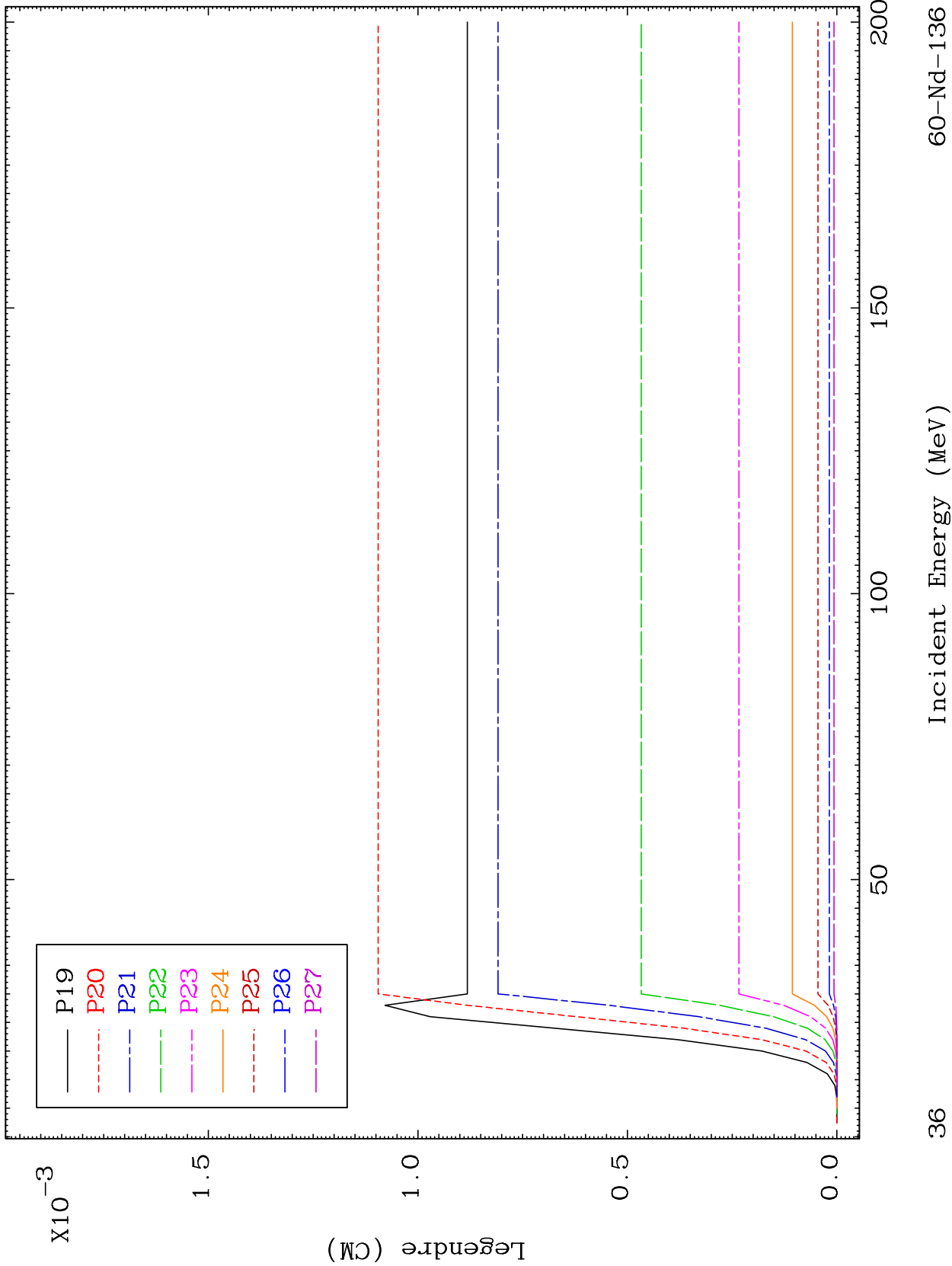
60-Nd-136



60-Nd-136

Incident Energy (MeV)

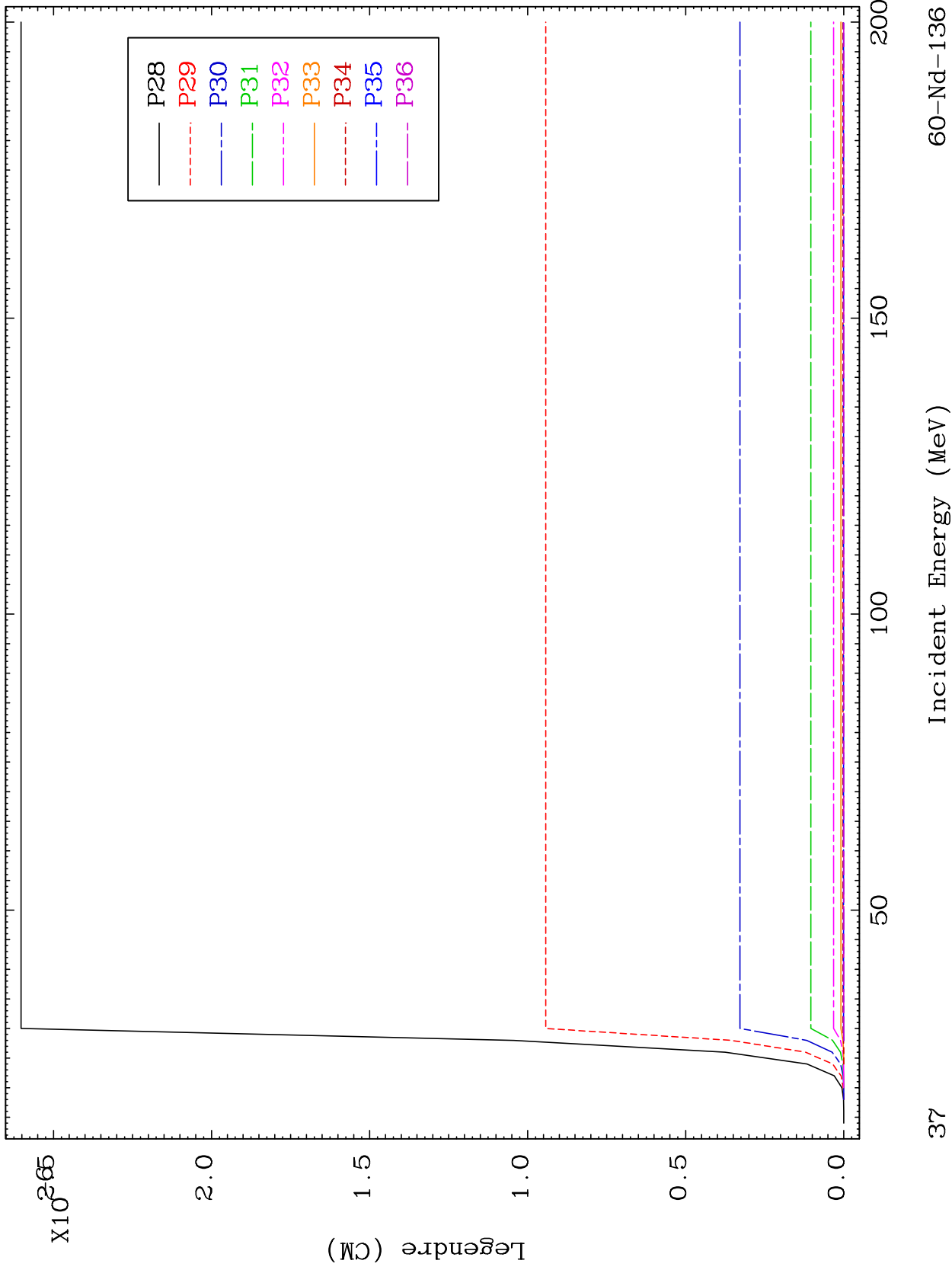
35



MAT 6007

1.542 MeV (n, n') Level  
Legendre Coefficients

60-Nd-136



37

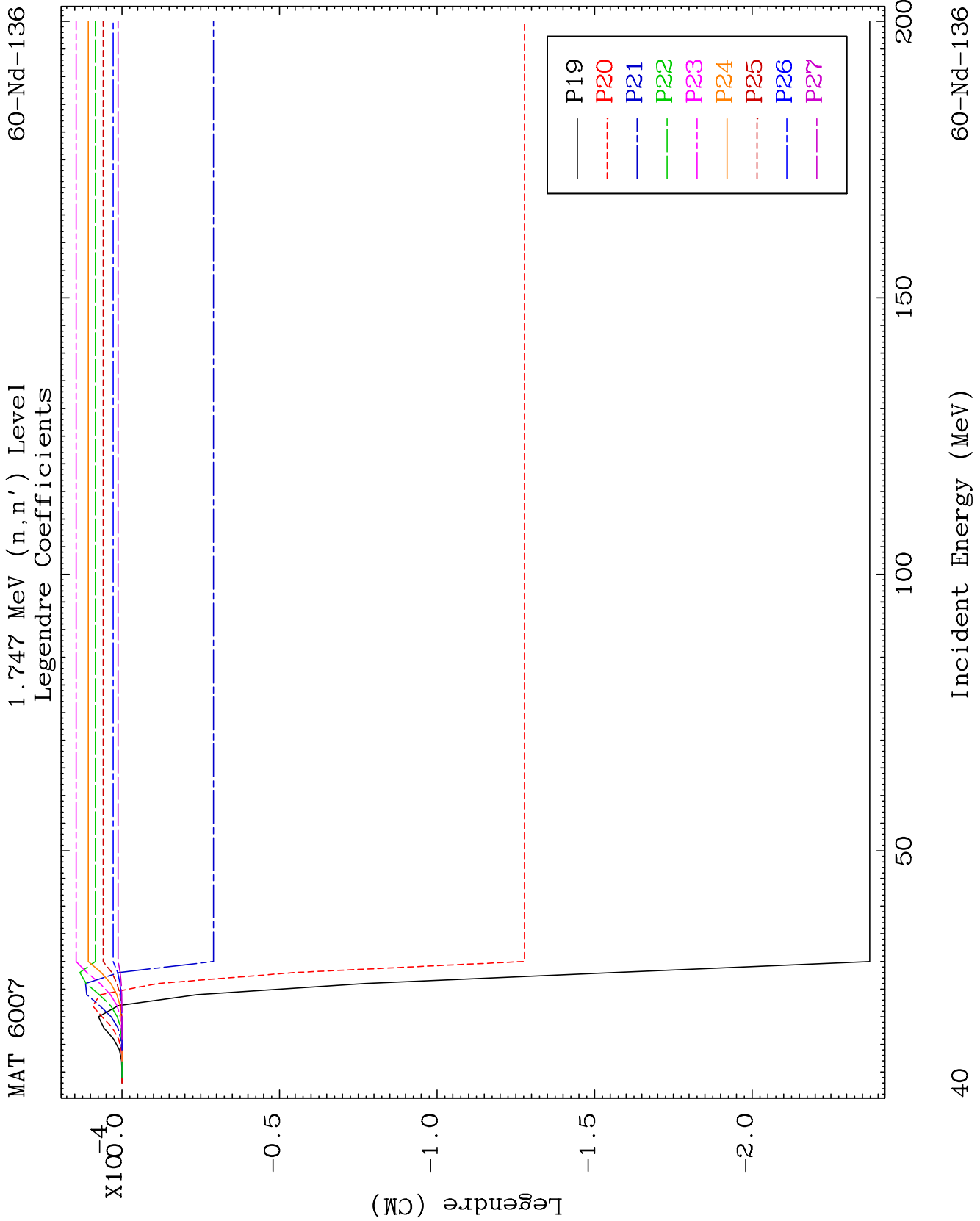
Incident Energy (MeV)

60-Nd-136





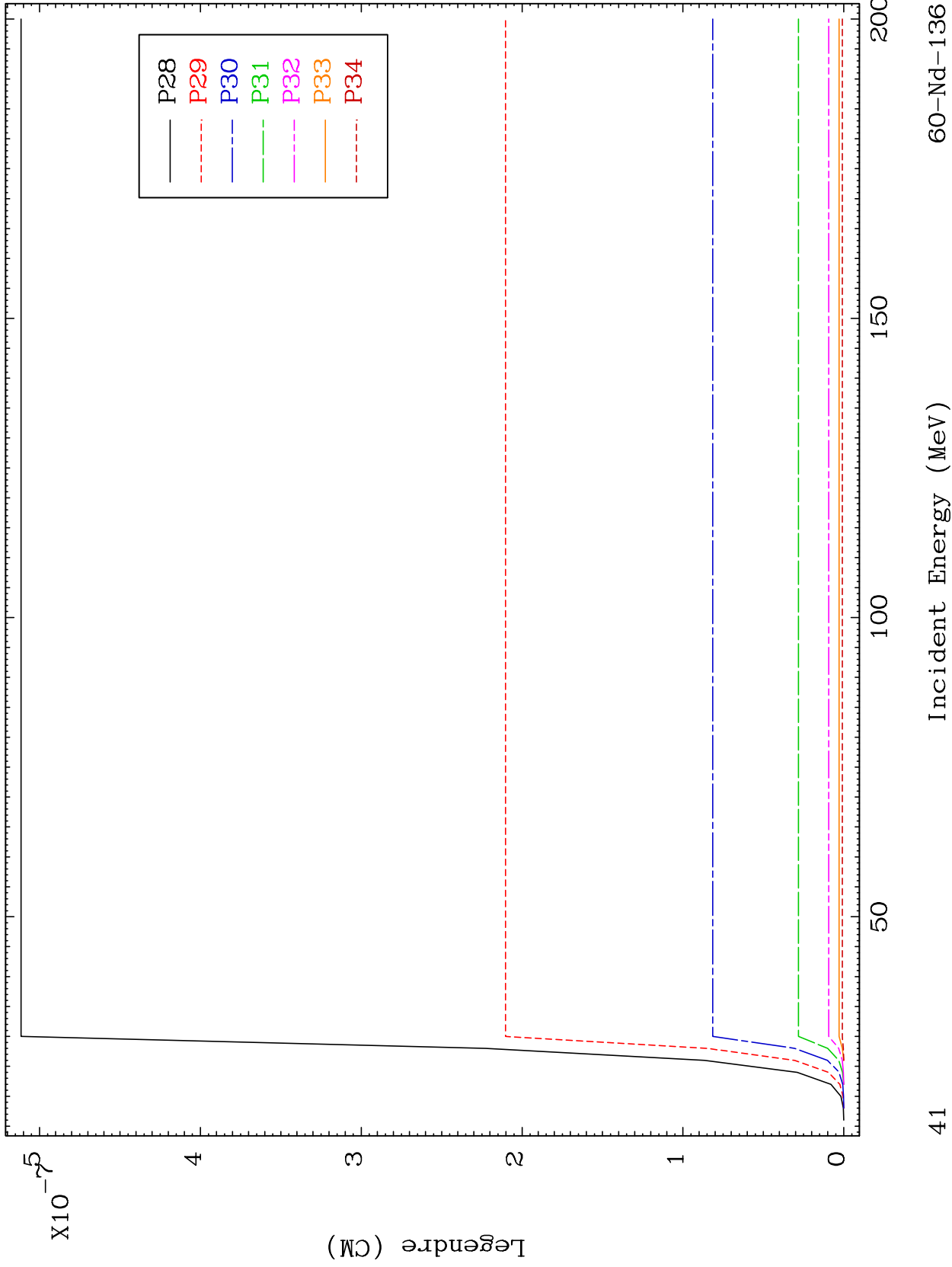




MAT 6007

1.747 MeV (n,n') Level  
Legendre Coefficients

60-Nd-136



41

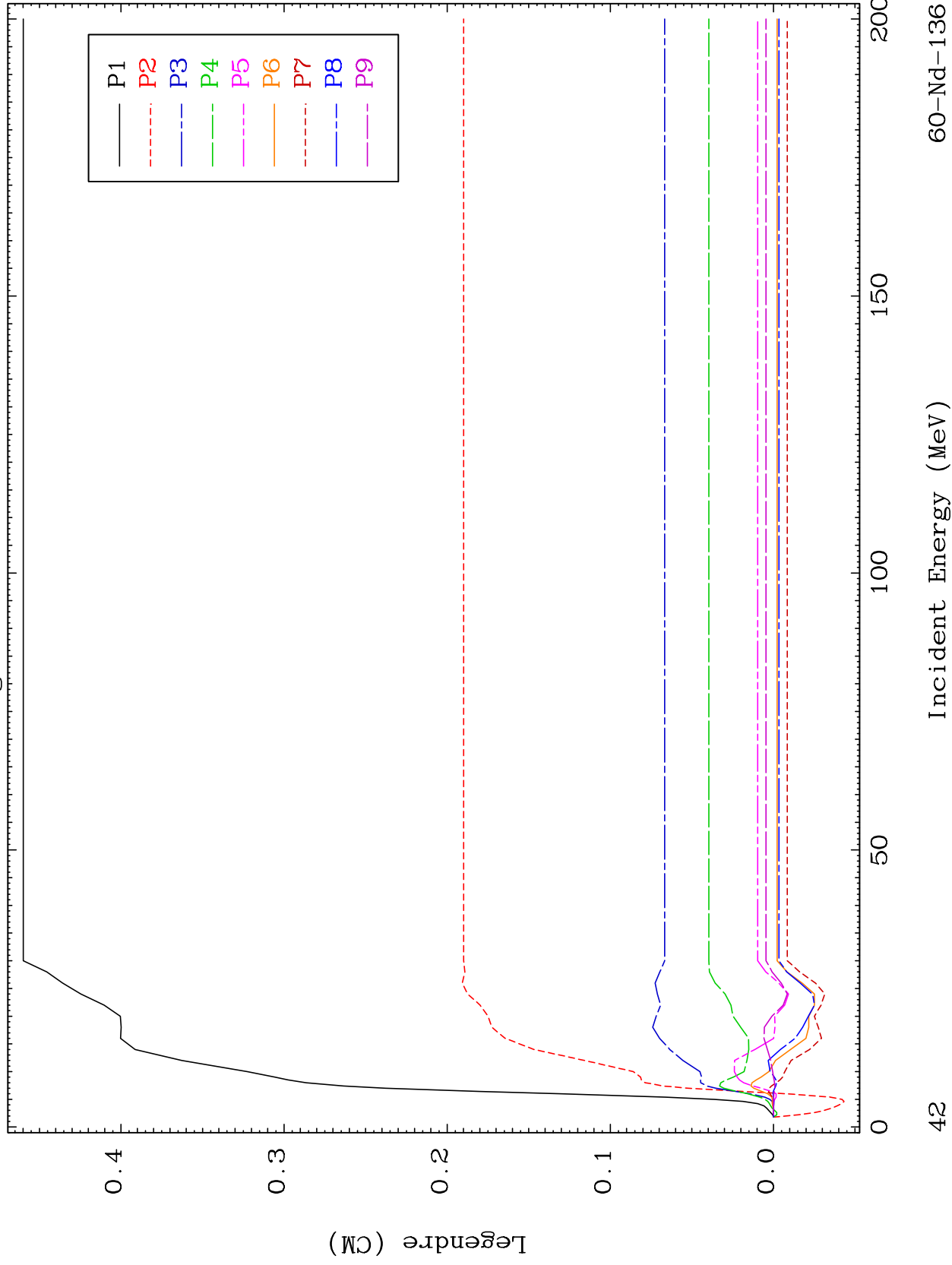
Incident Energy (MeV)

60-Nd-136

MAT 6007

1.776 MeV (n,n') Level  
Legendre Coefficients

60-Nd-136



60-Nd-136

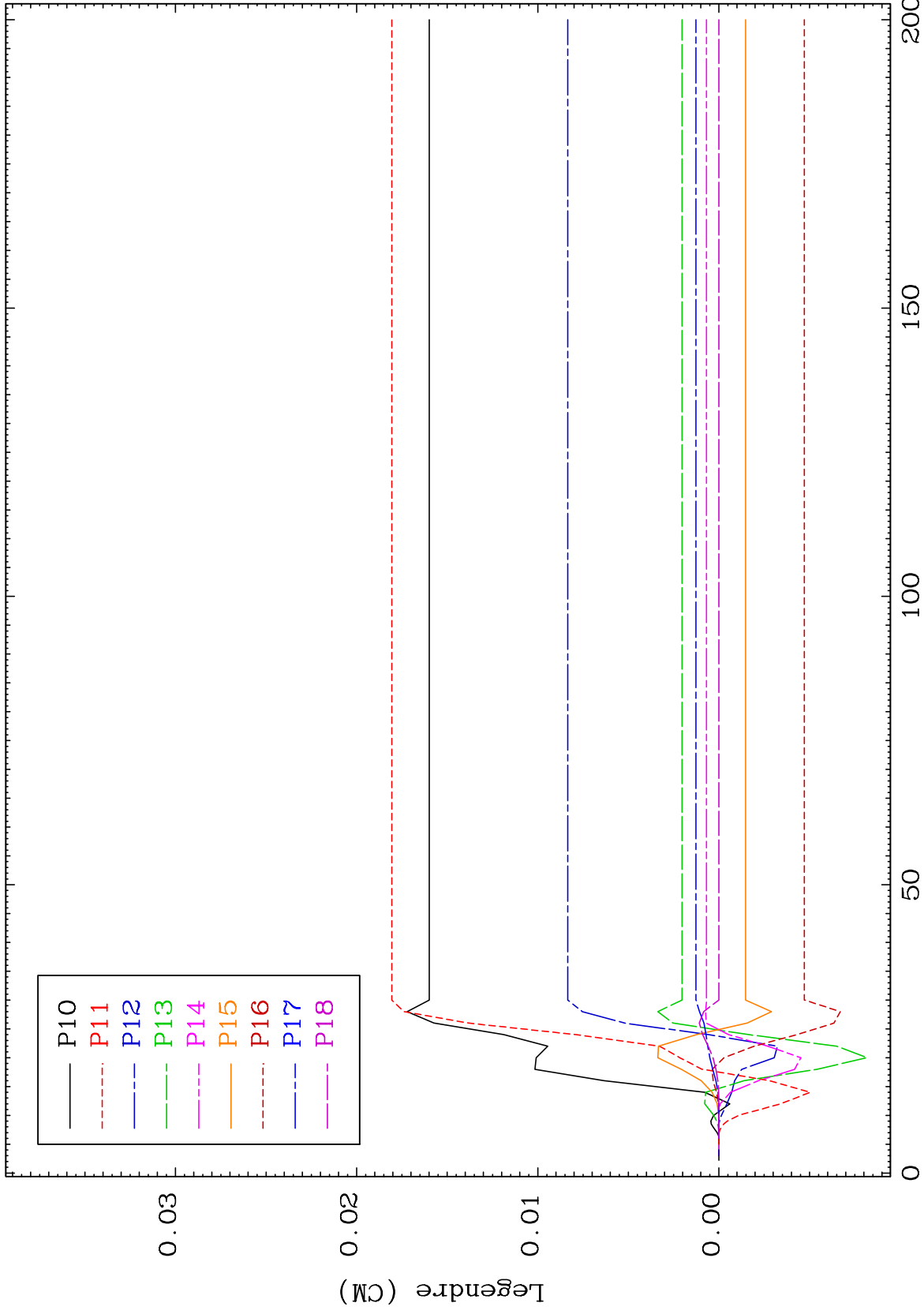
Incident Energy (MeV)

42

MAT 6007

1.776 MeV (n, n') Level  
Legendre Coefficients

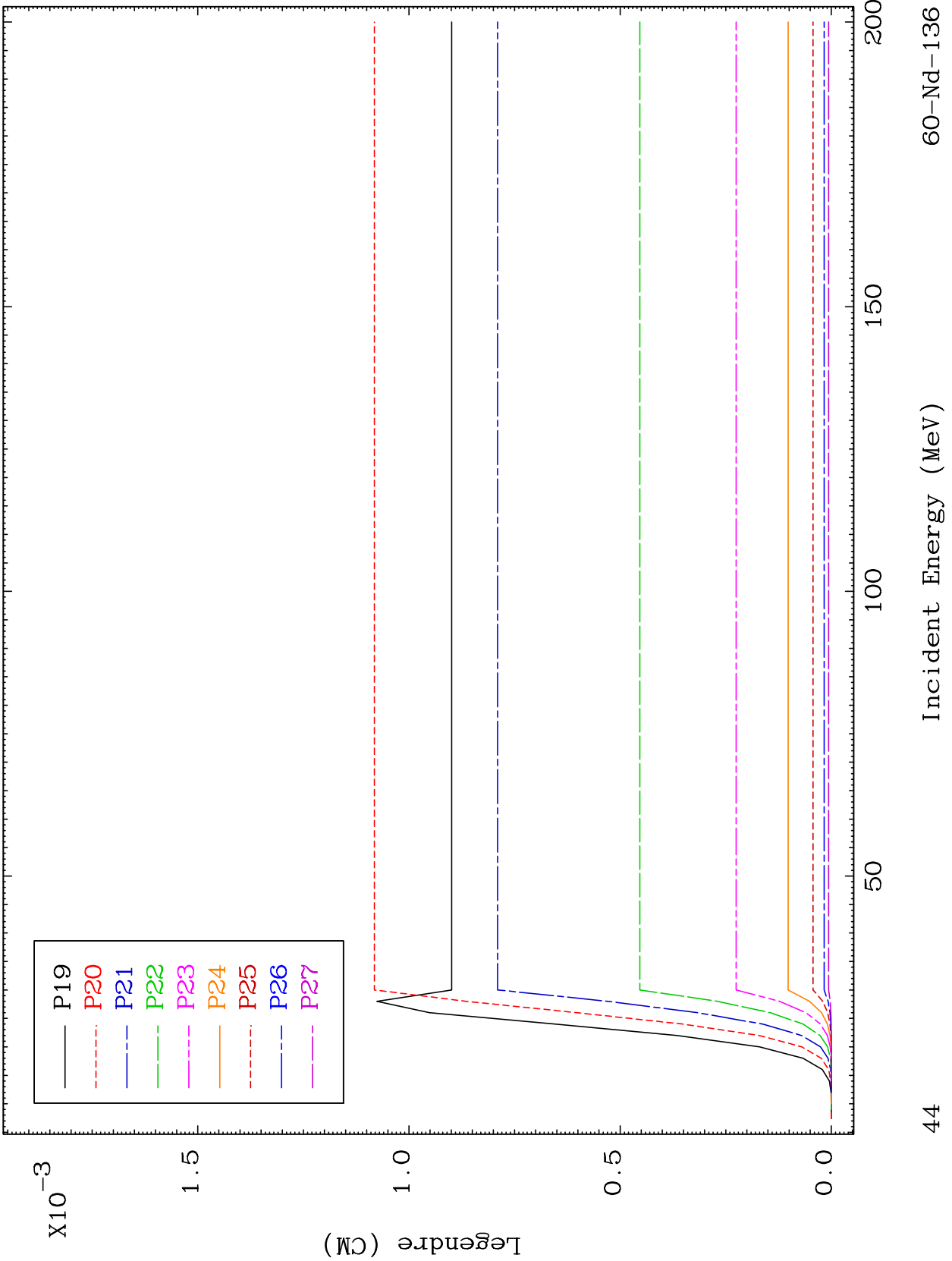
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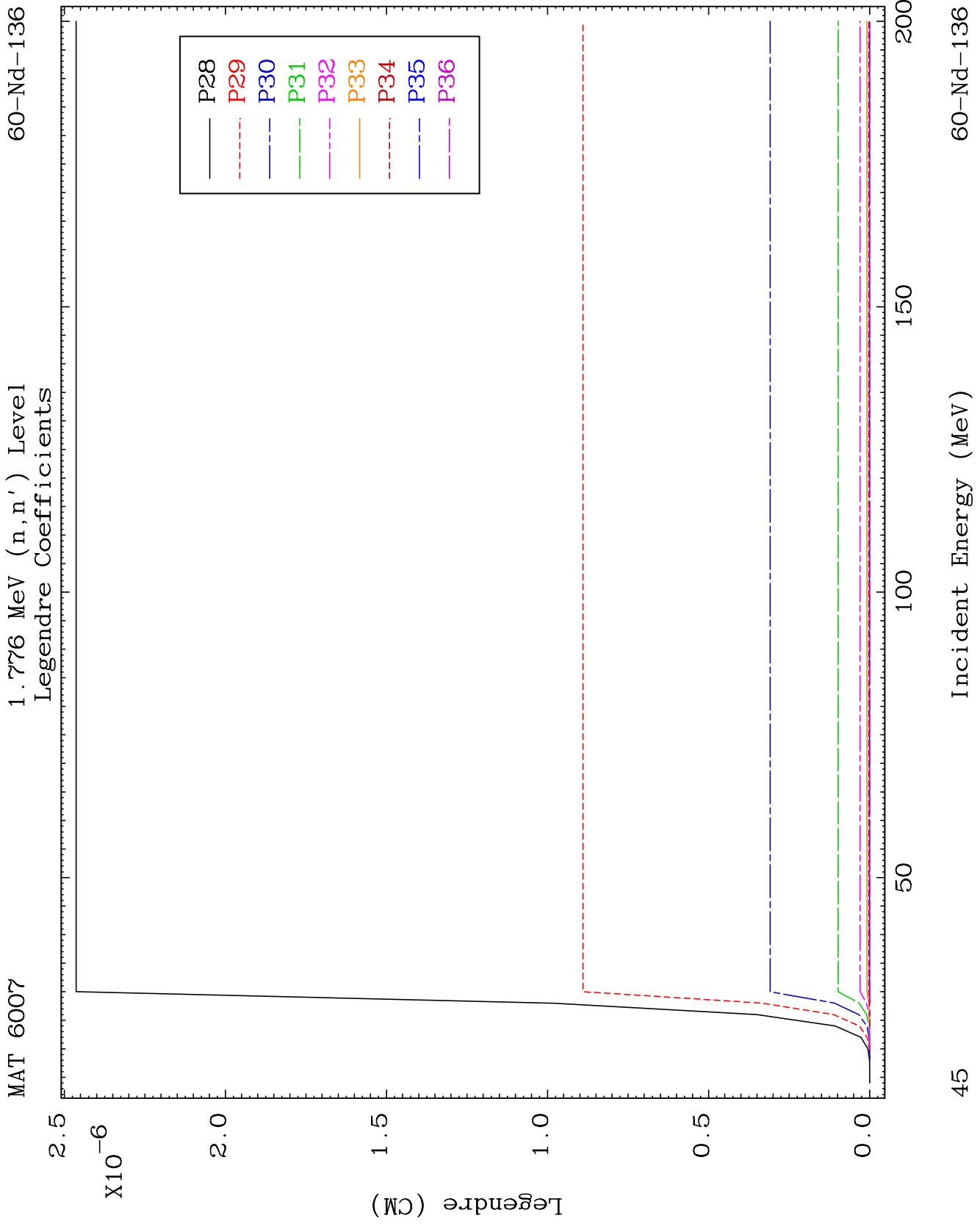


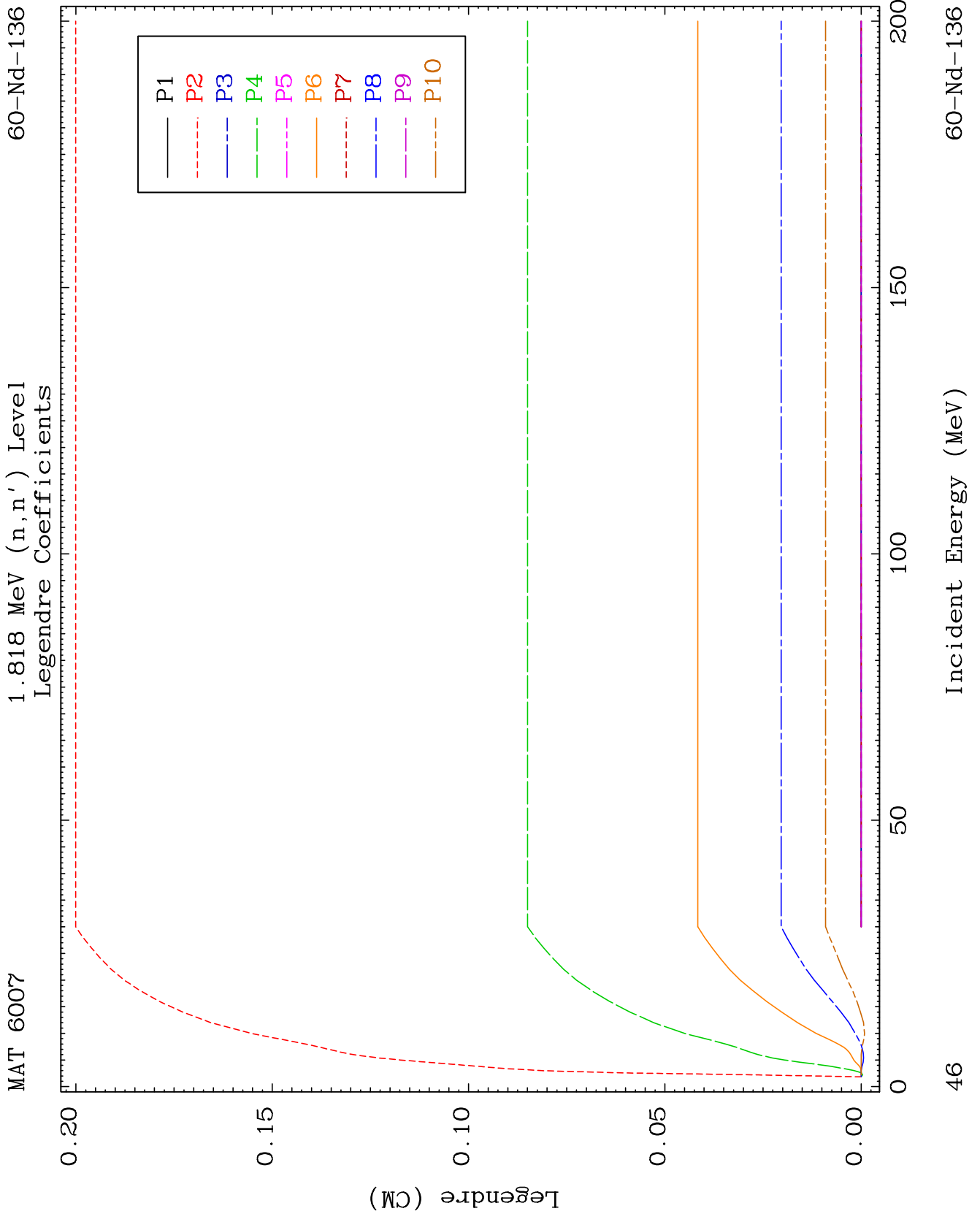
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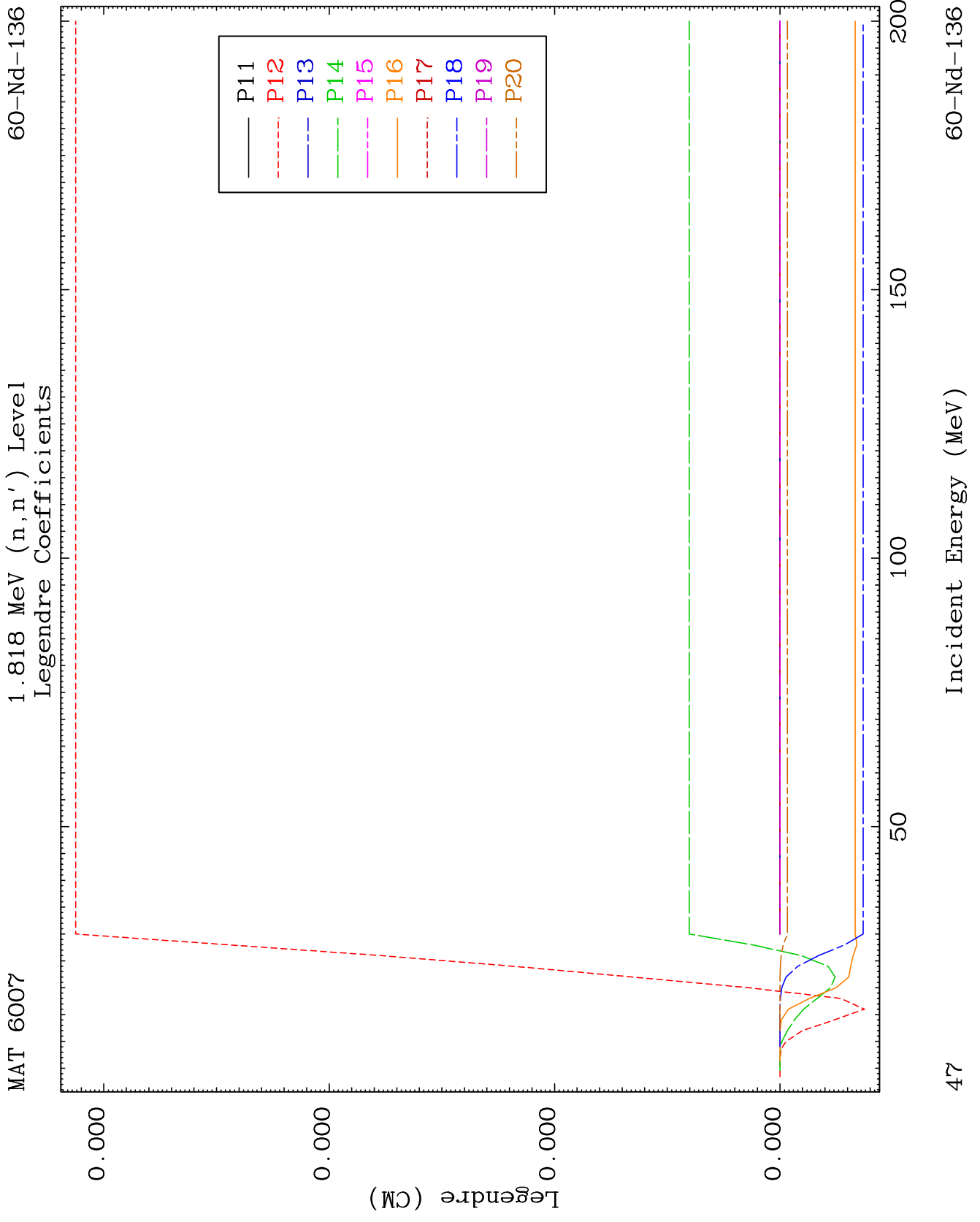
Incident Energy (MeV)

43

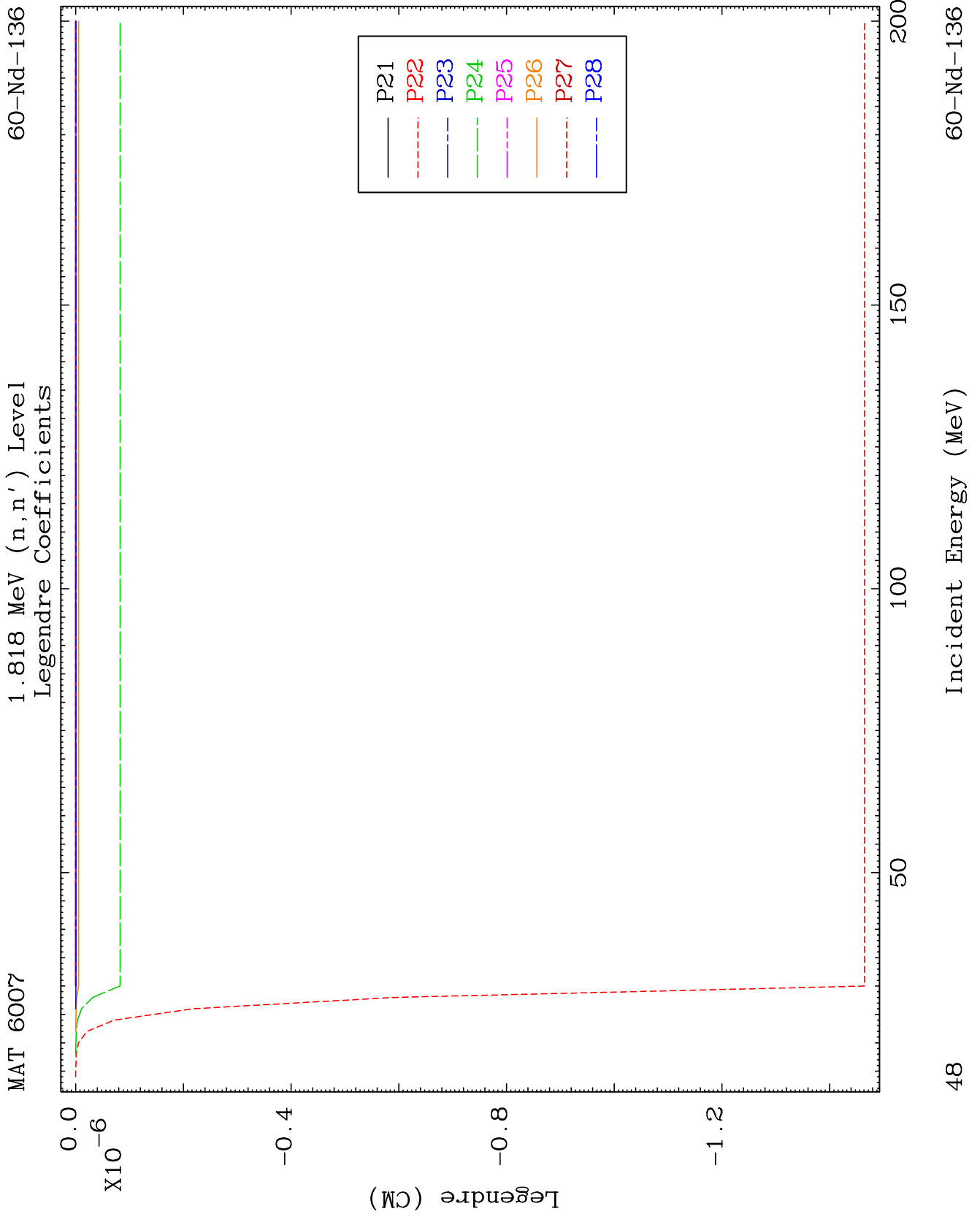


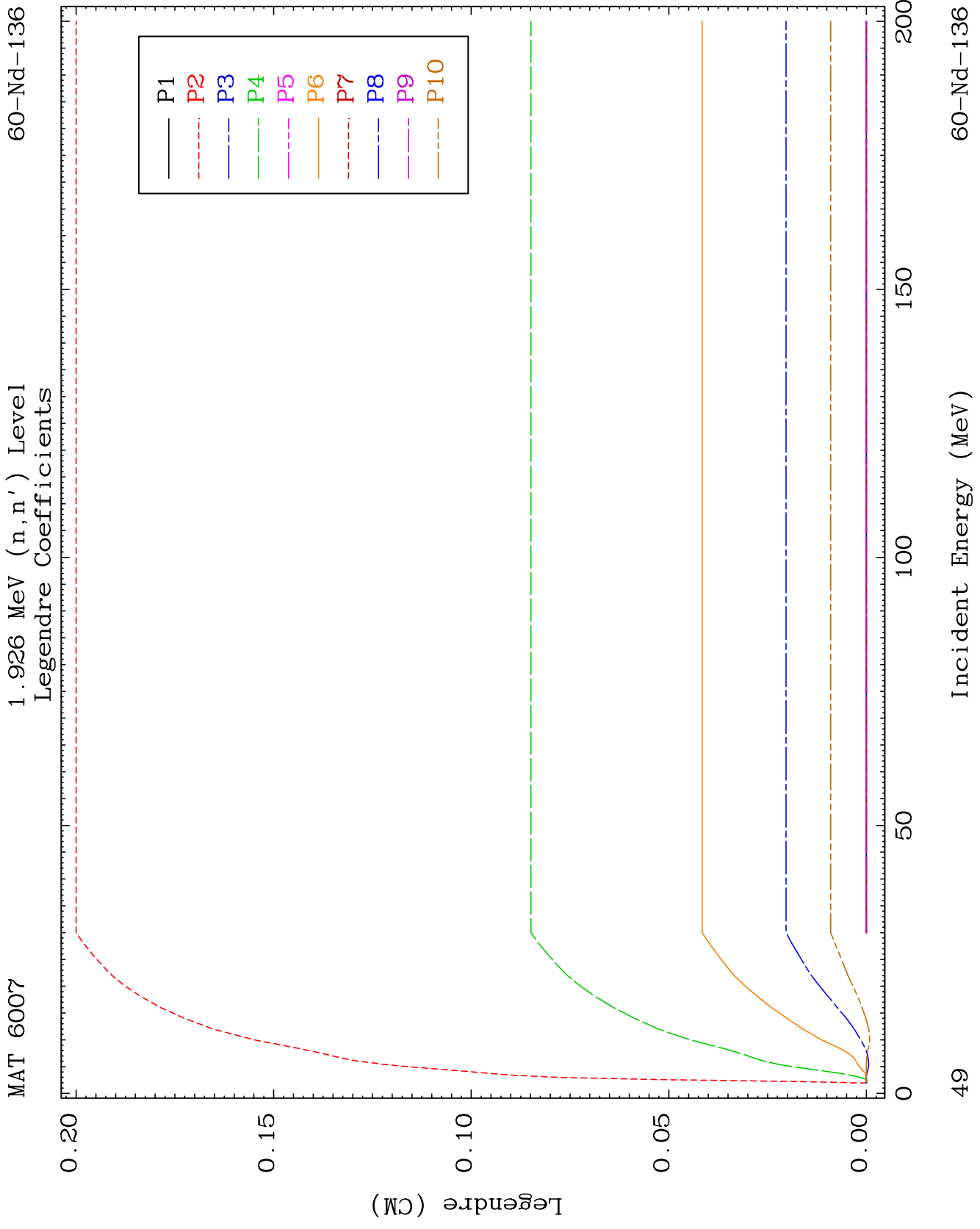


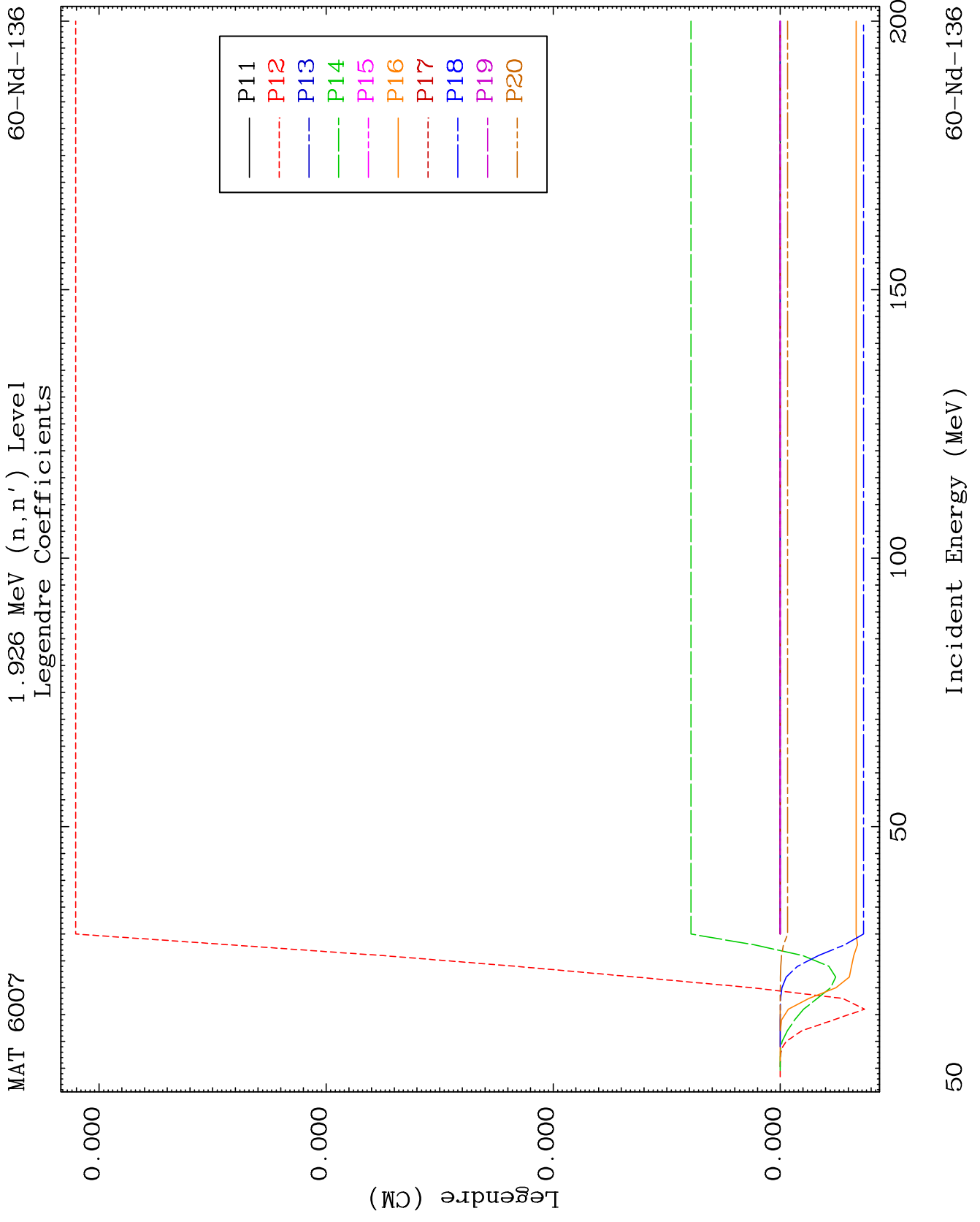


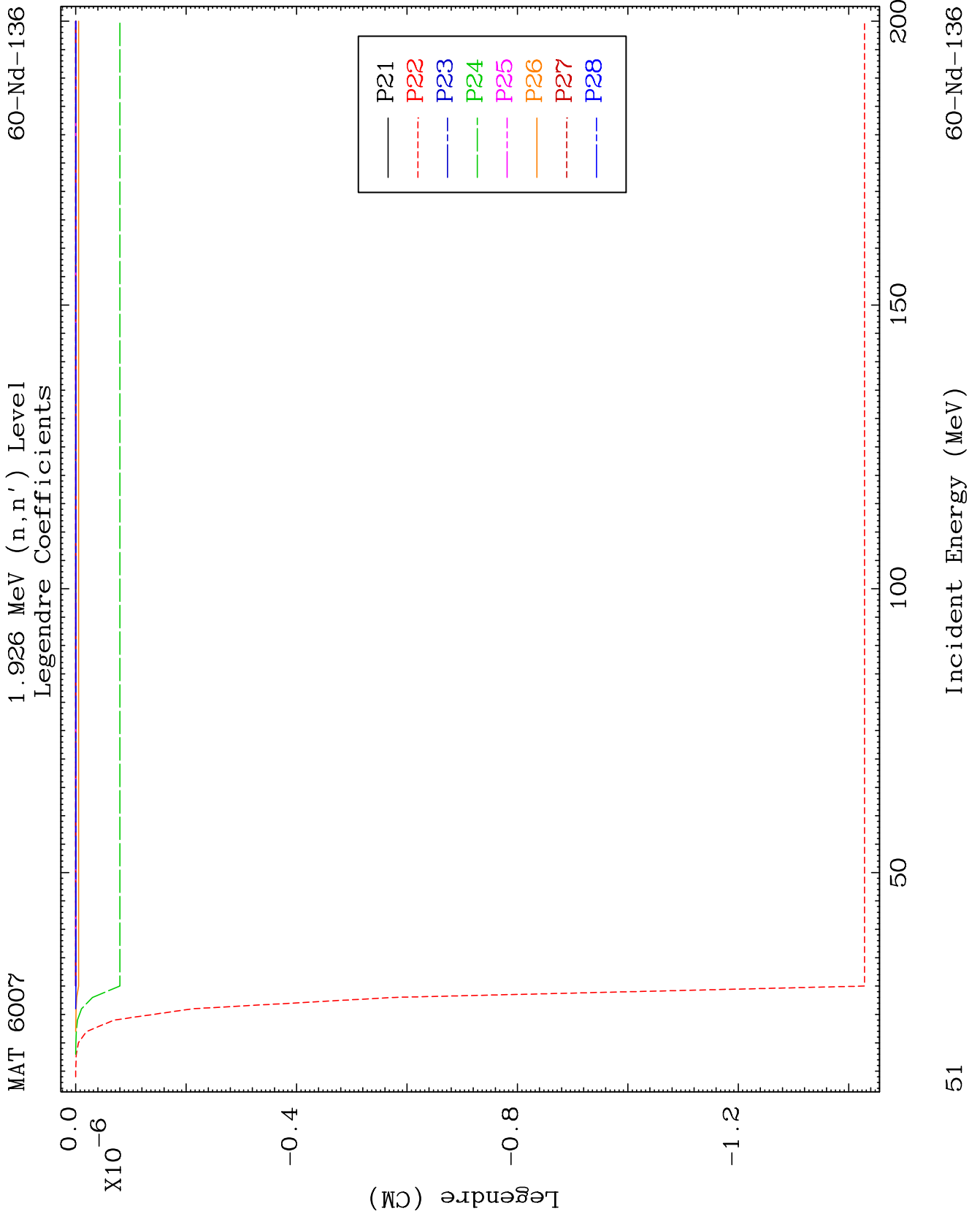


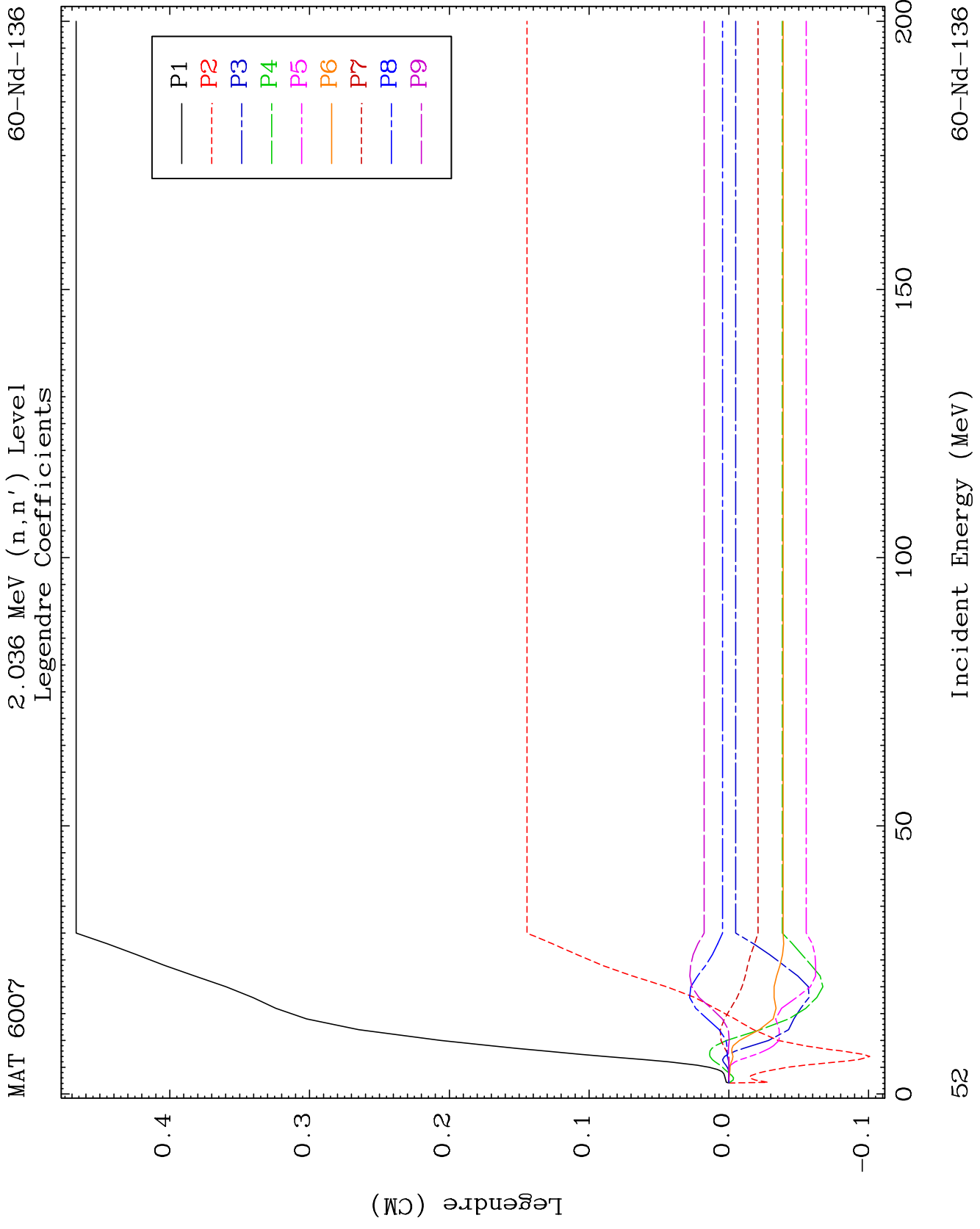


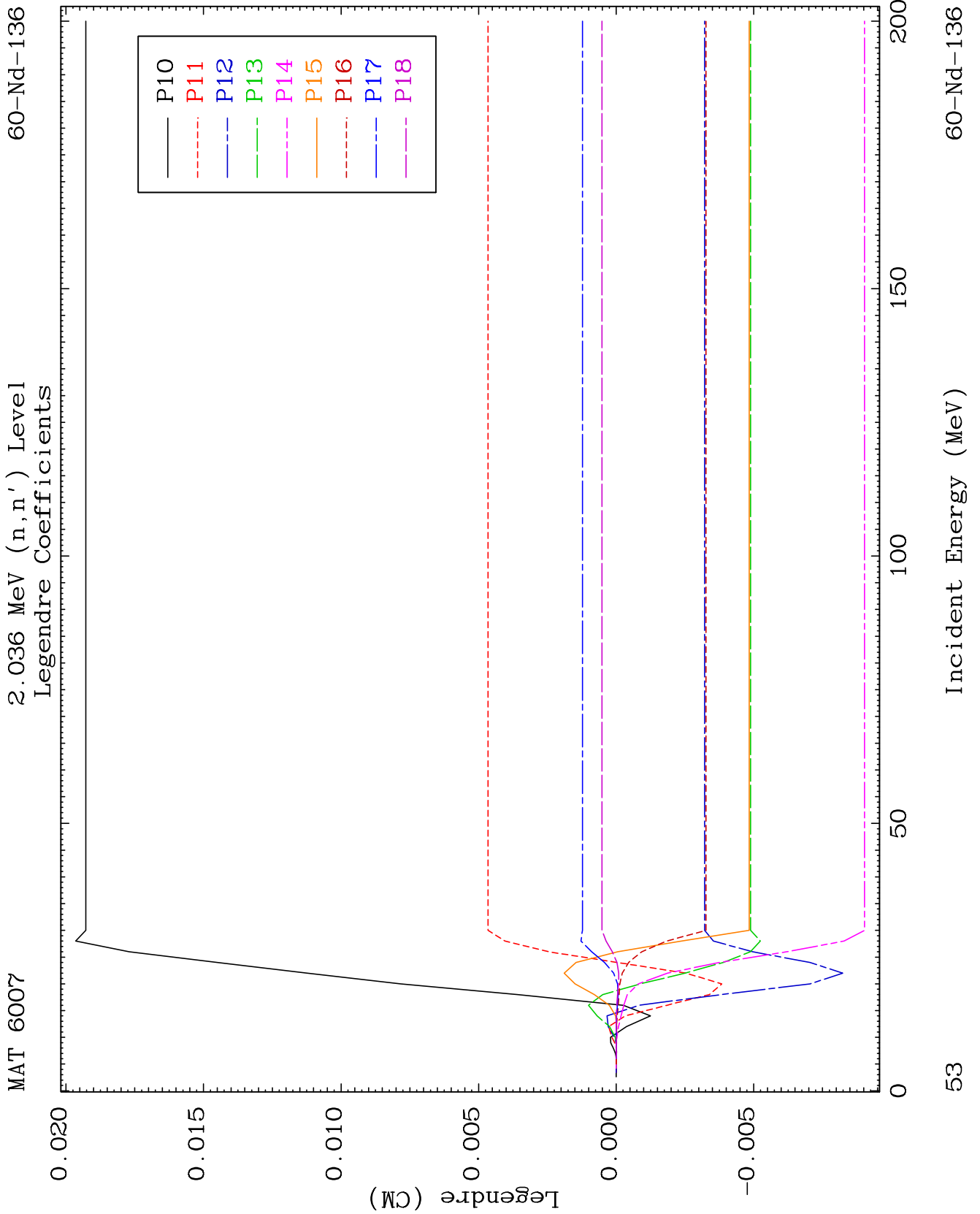


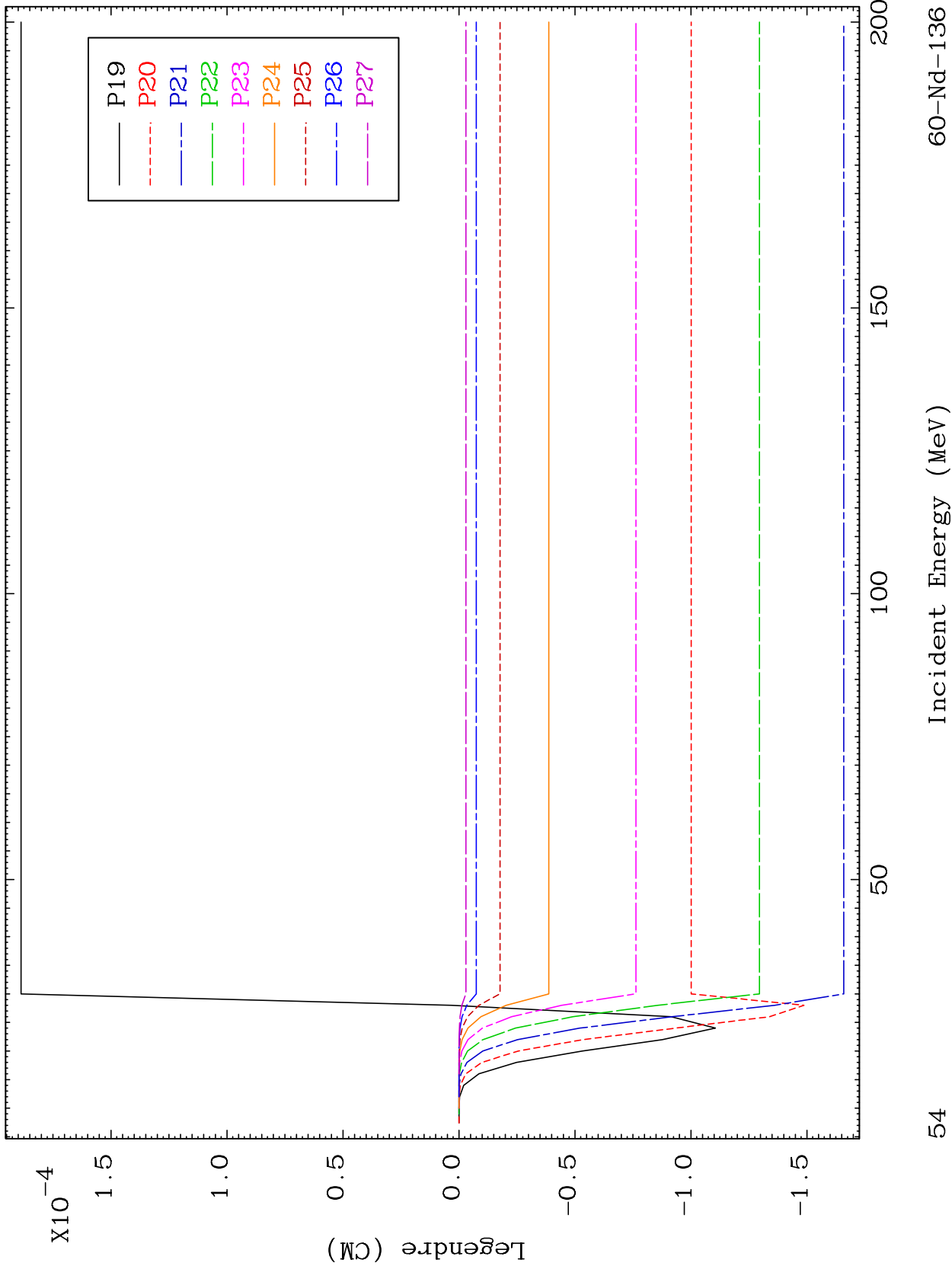


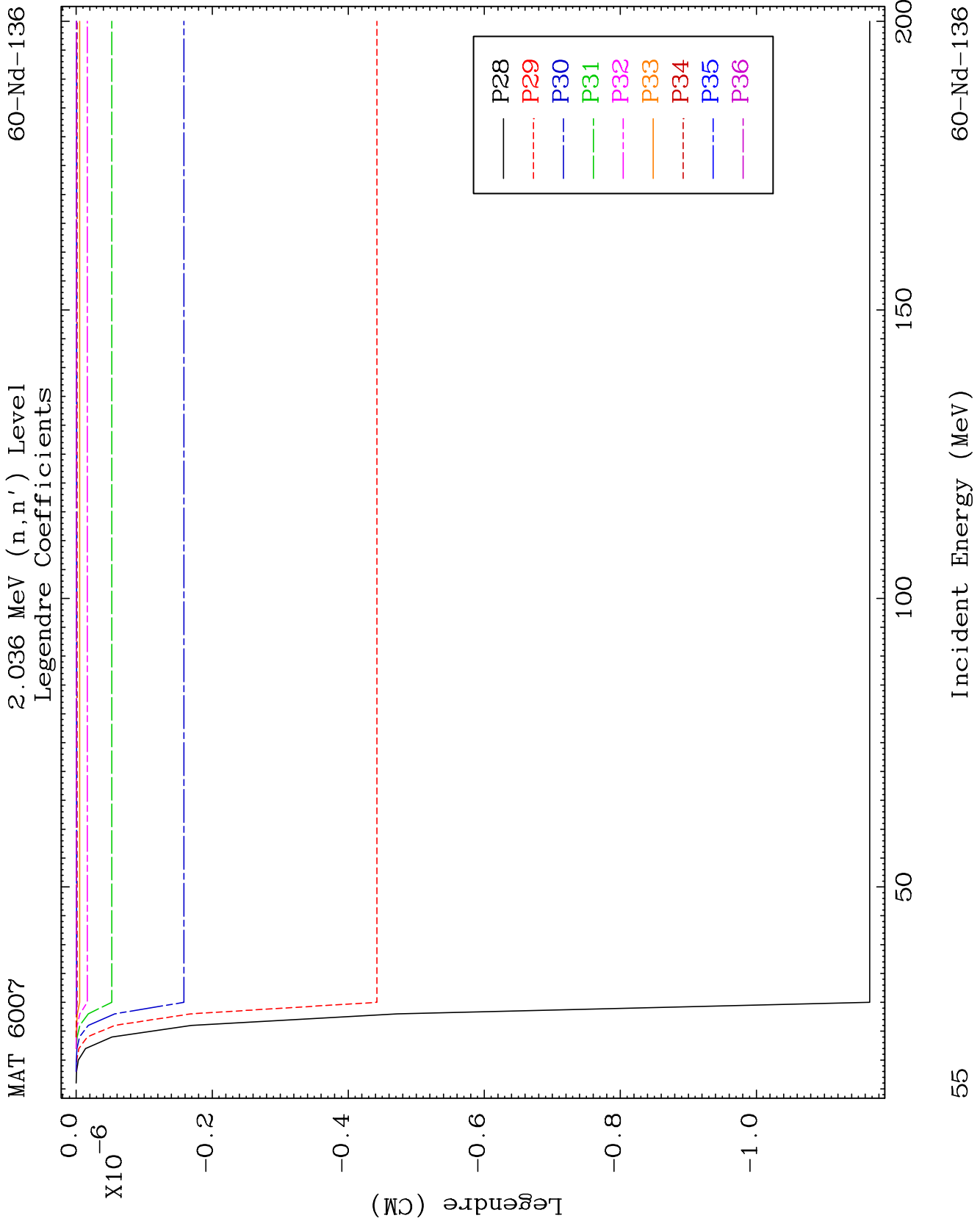




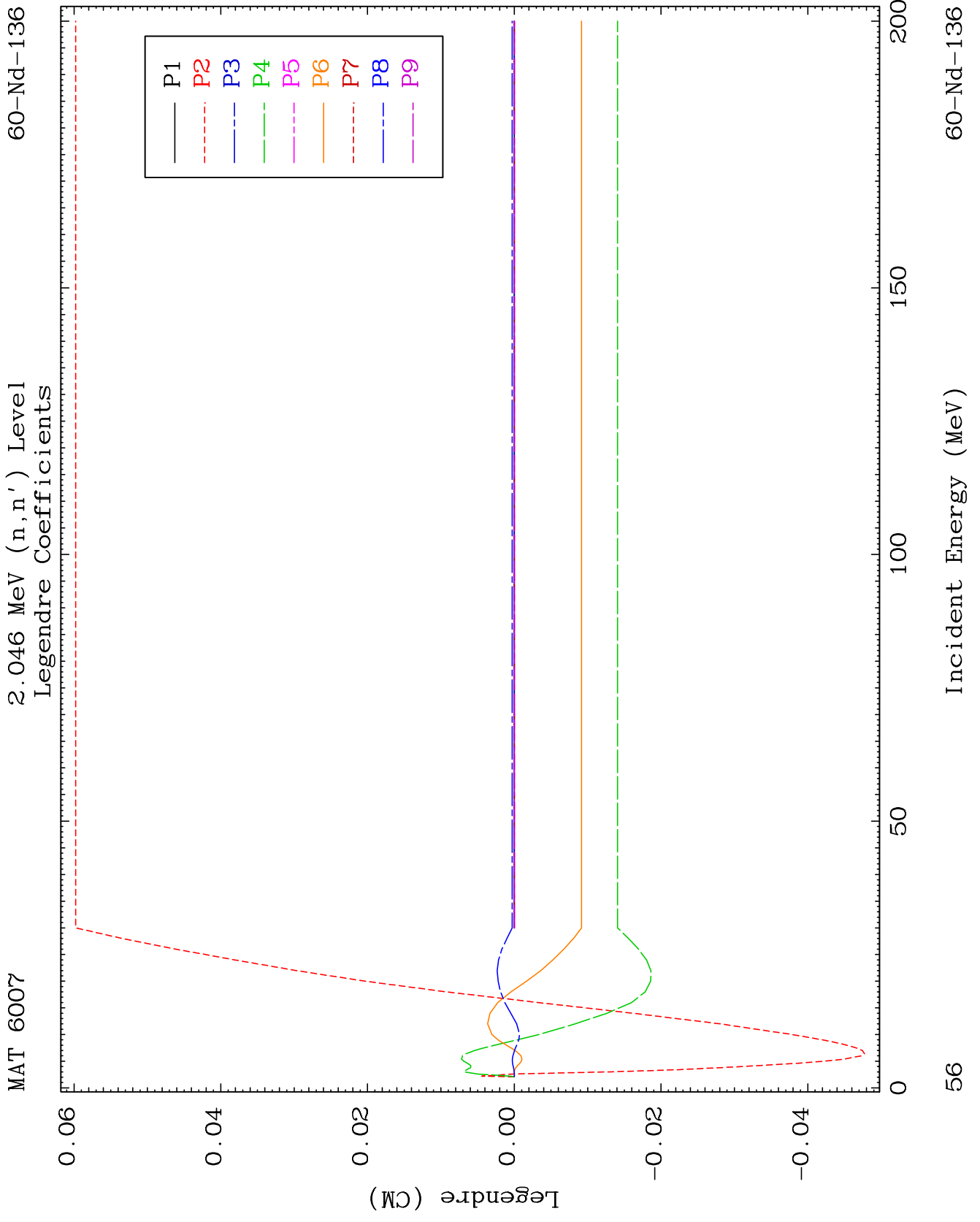


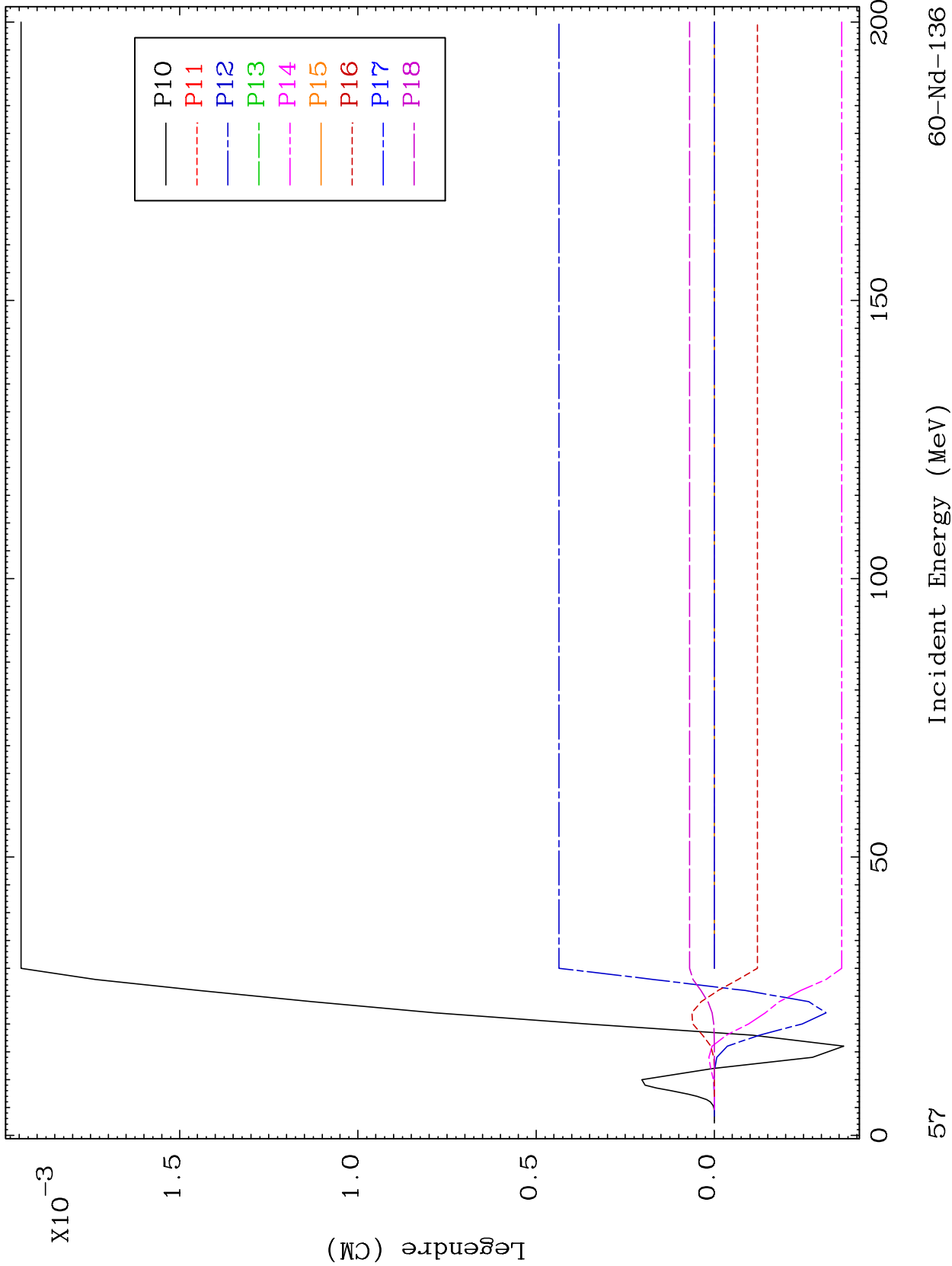


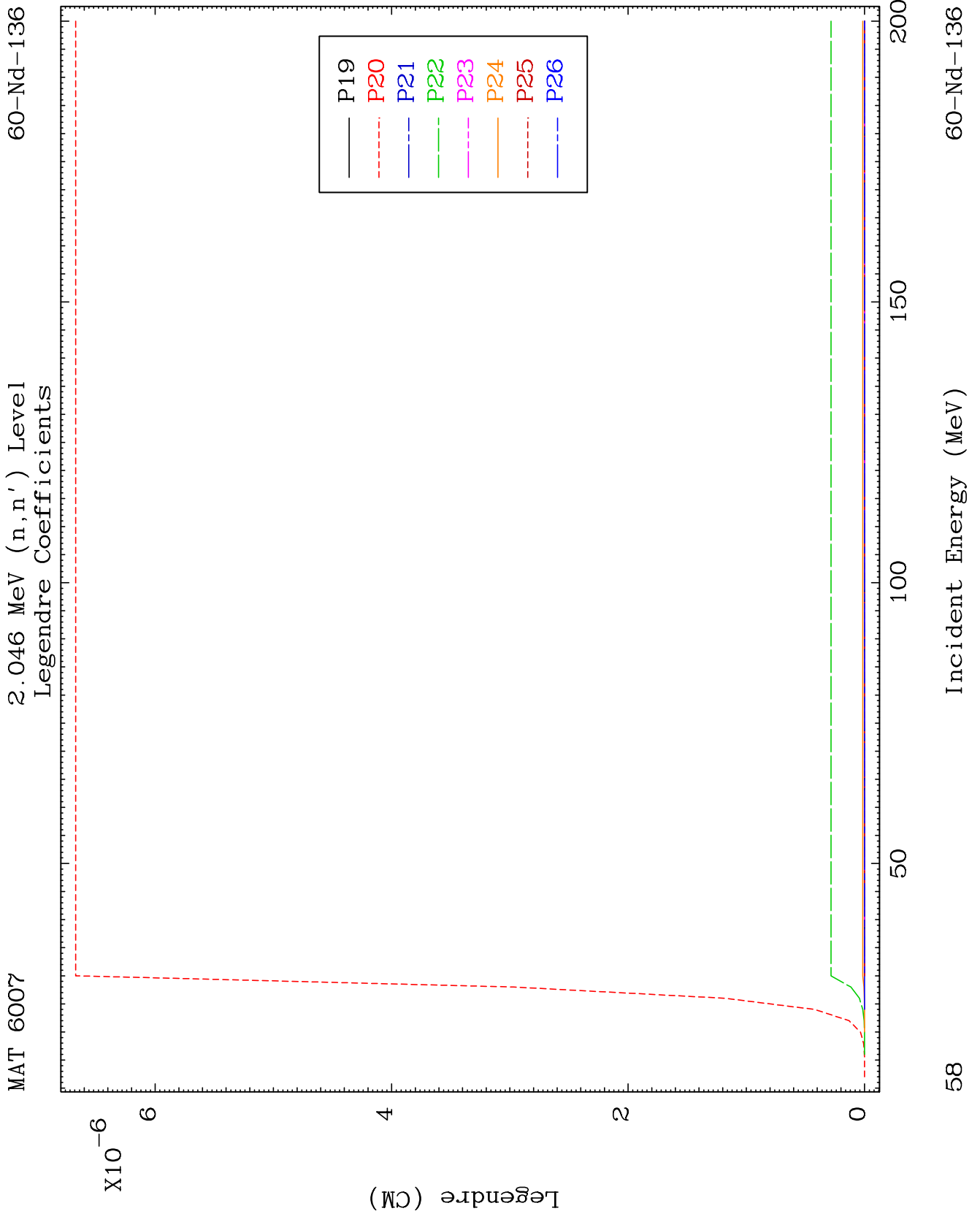










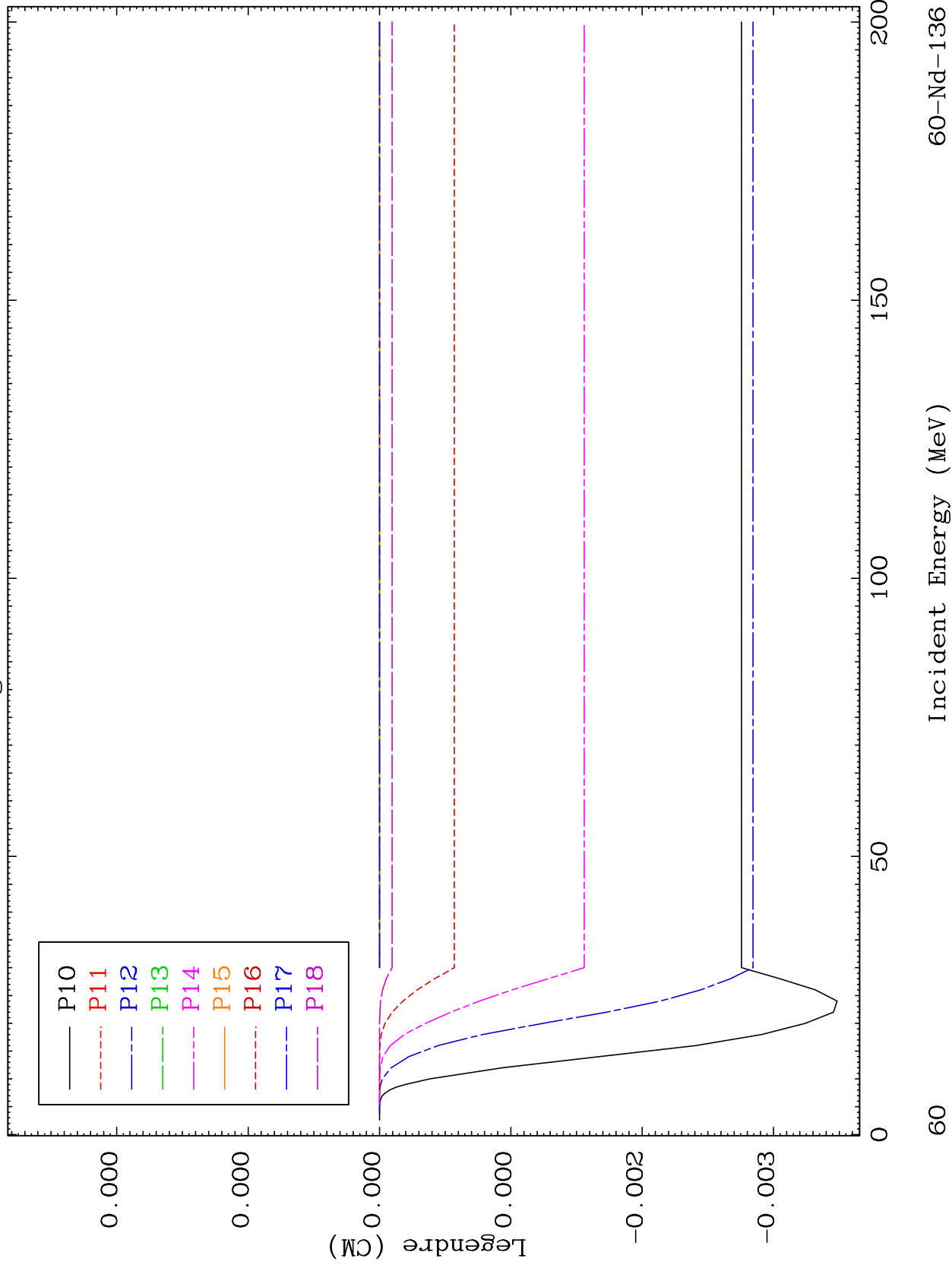


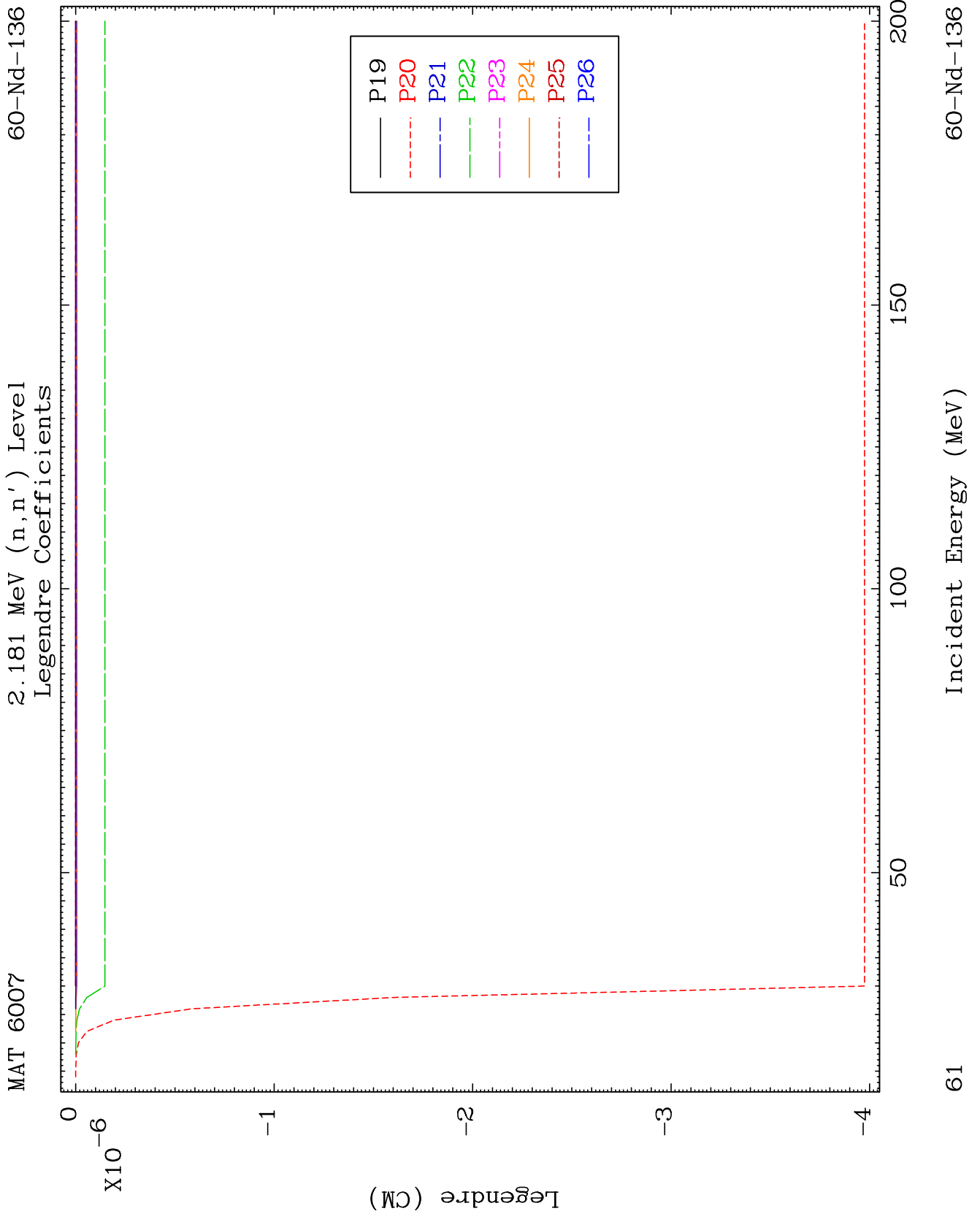


MAT 6007

2.181 MeV (n,n') Level  
Legendre Coefficients

60-Nd-136



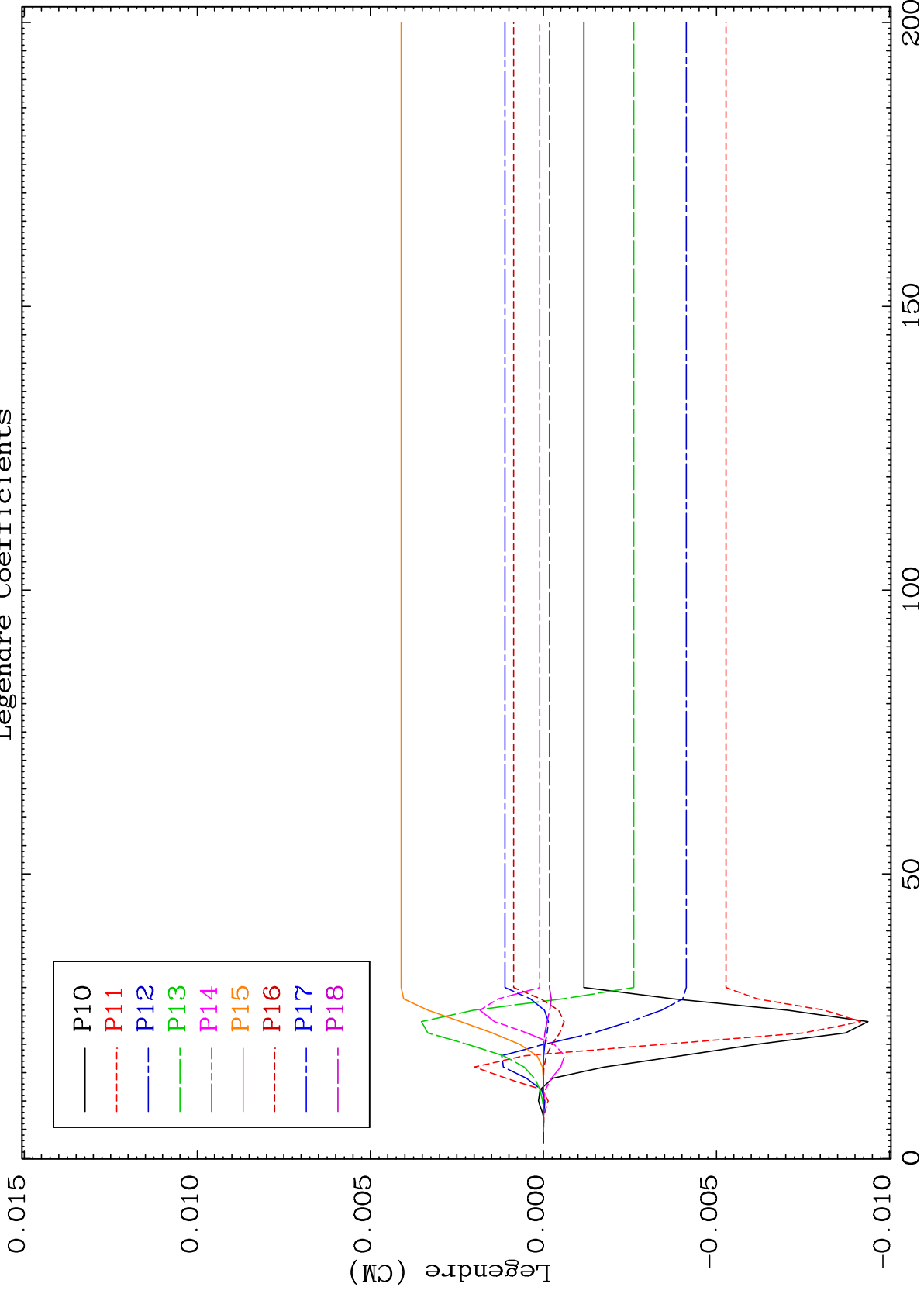




MAT 6007

2.228 MeV (n, n') Level  
Legendre Coefficients

60-Nd-136

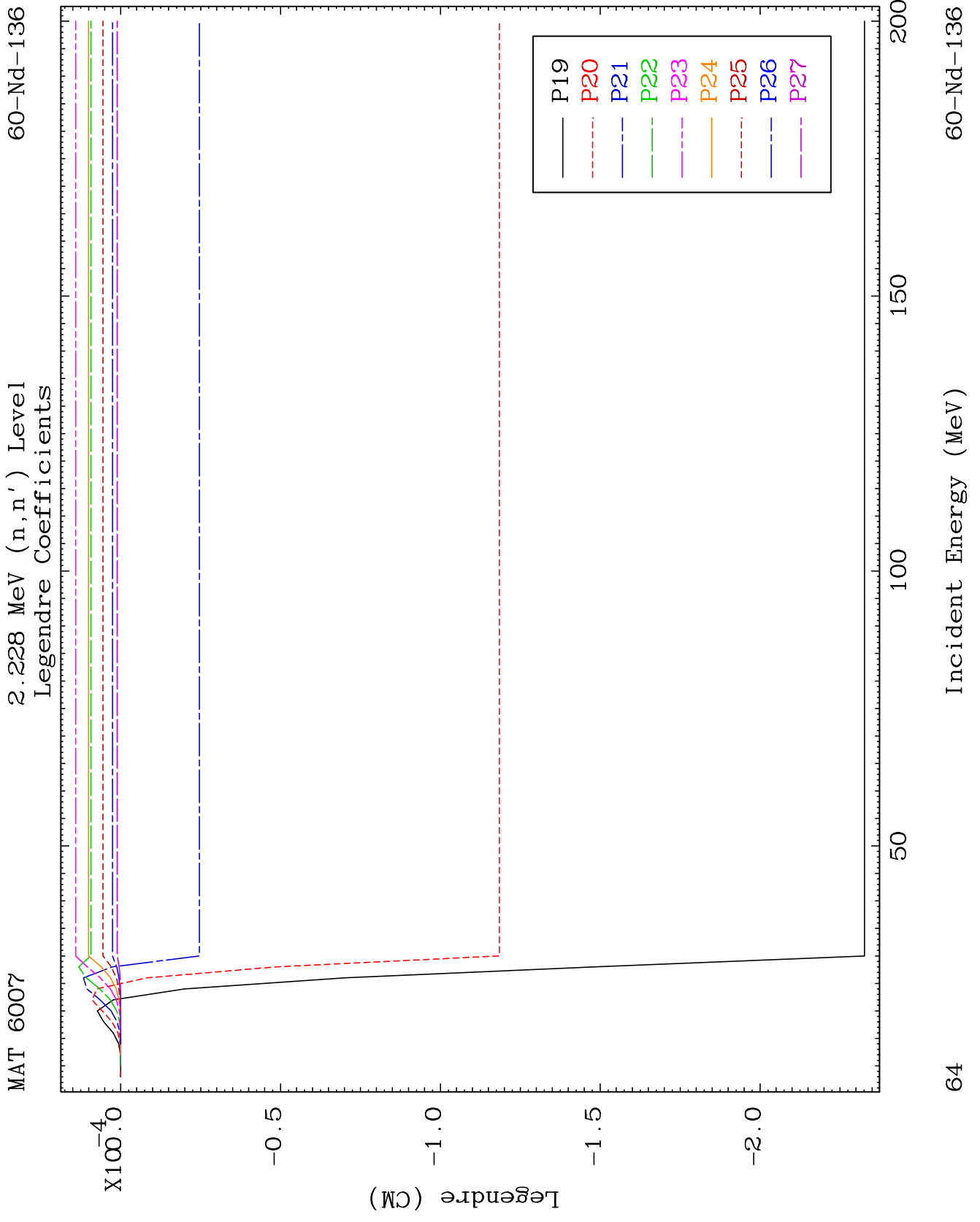


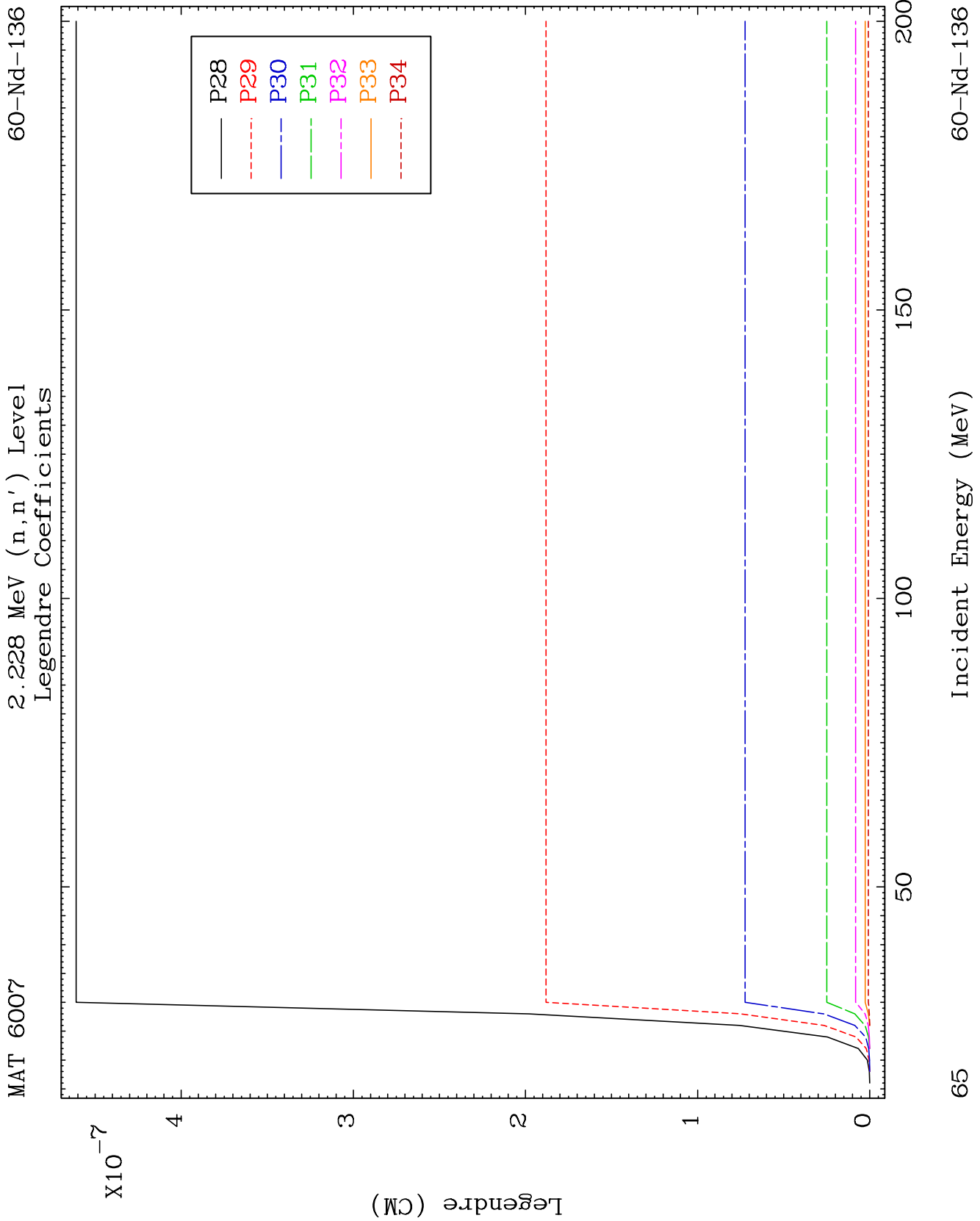
63

Incident Energy (MeV)

60-Nd-136





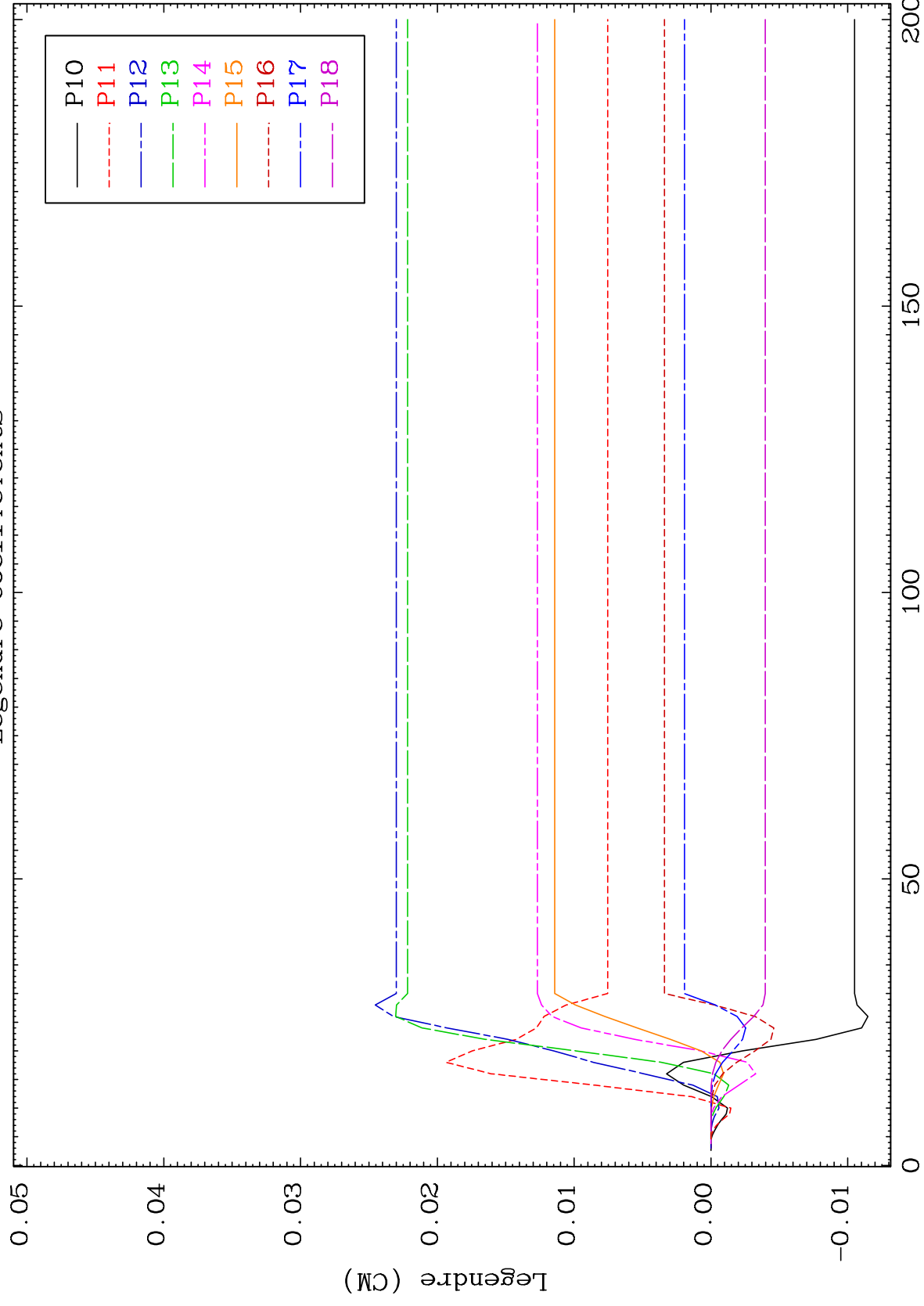




MAT 6007

2.346 MeV (n,n') Level  
Legendre Coefficients

60-Nd-136



67

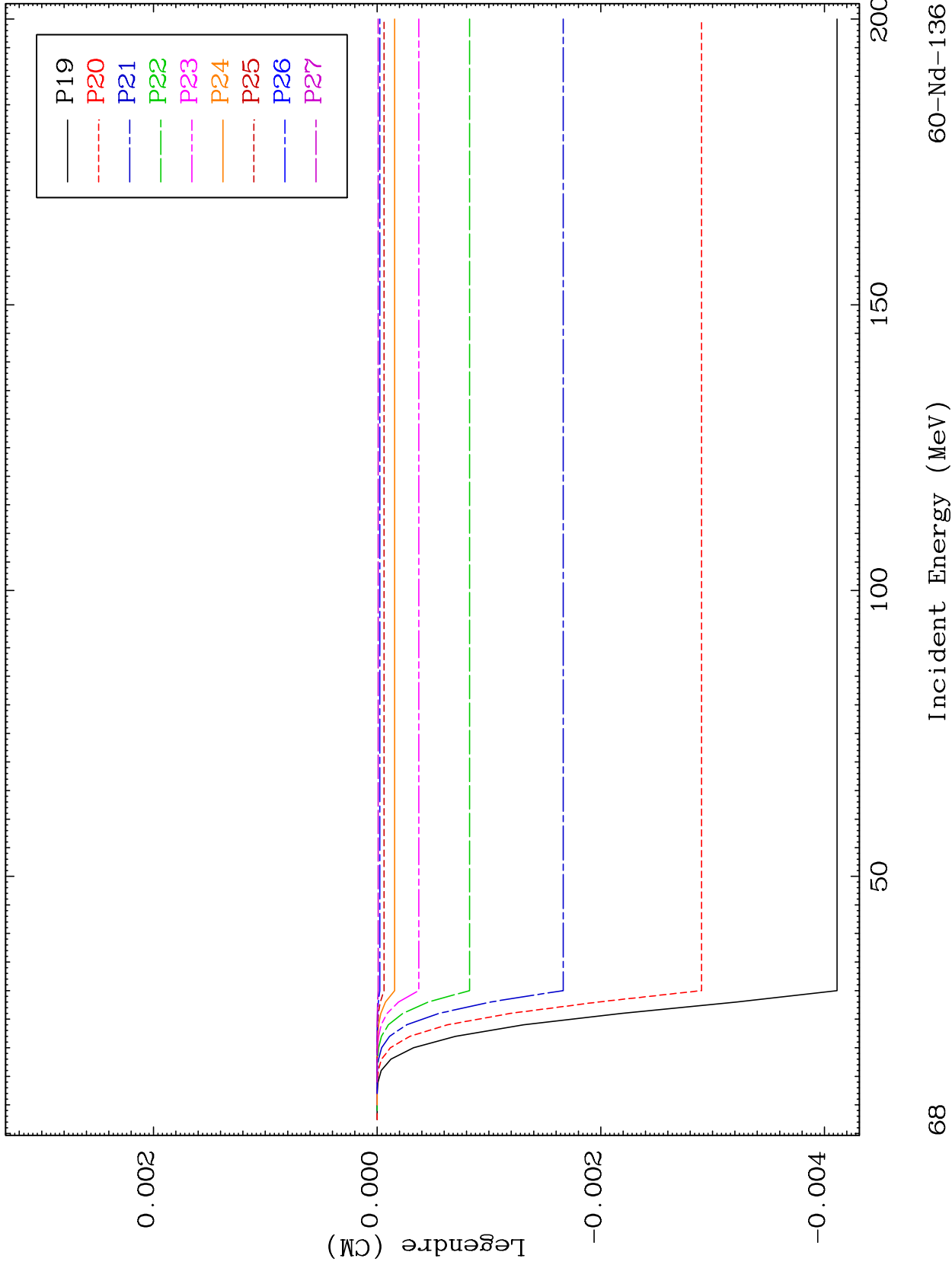
Incident Energy (MeV)

60-Nd-136

MAT 6007

2.346 MeV (n,n') Level  
Legendre Coefficients

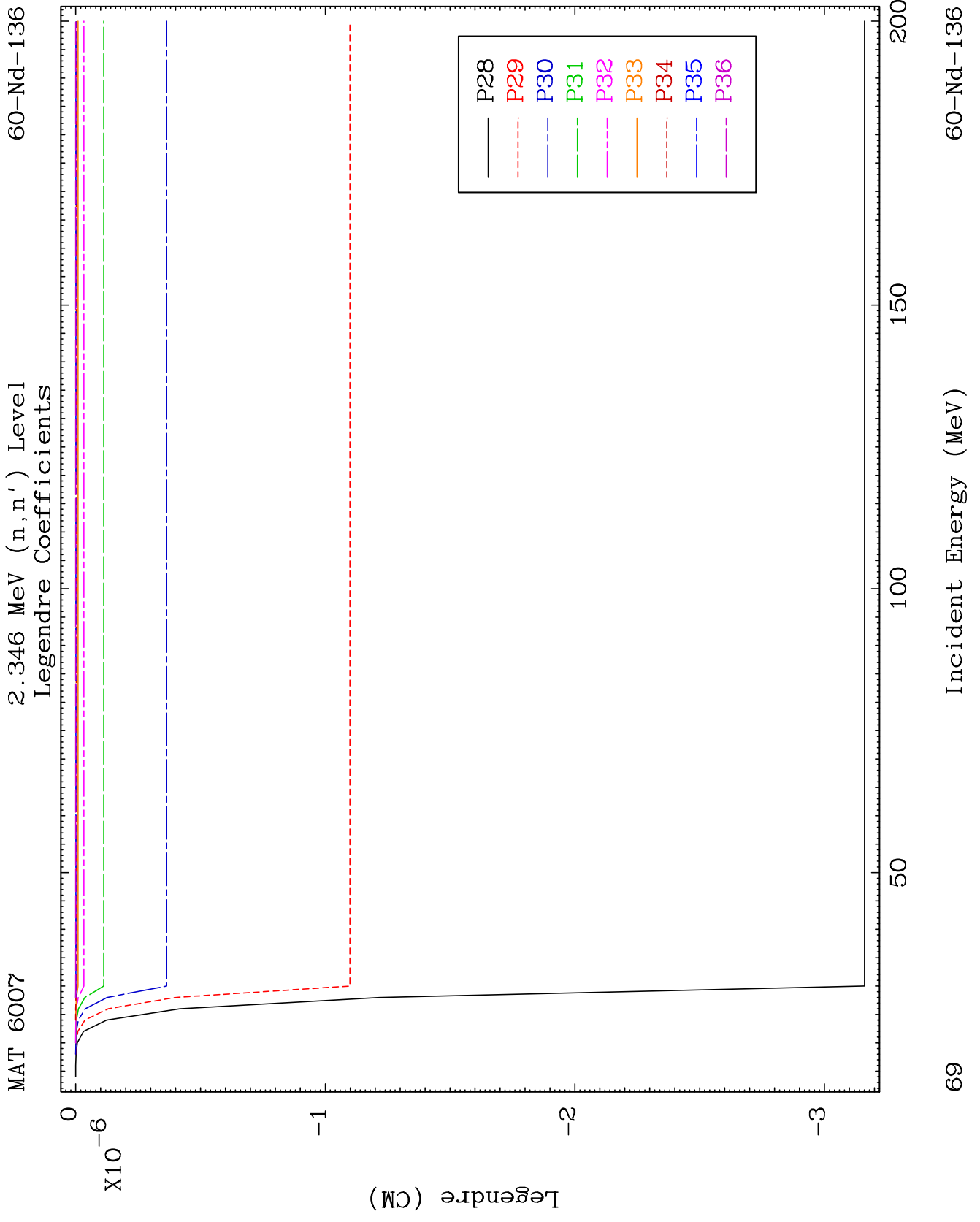
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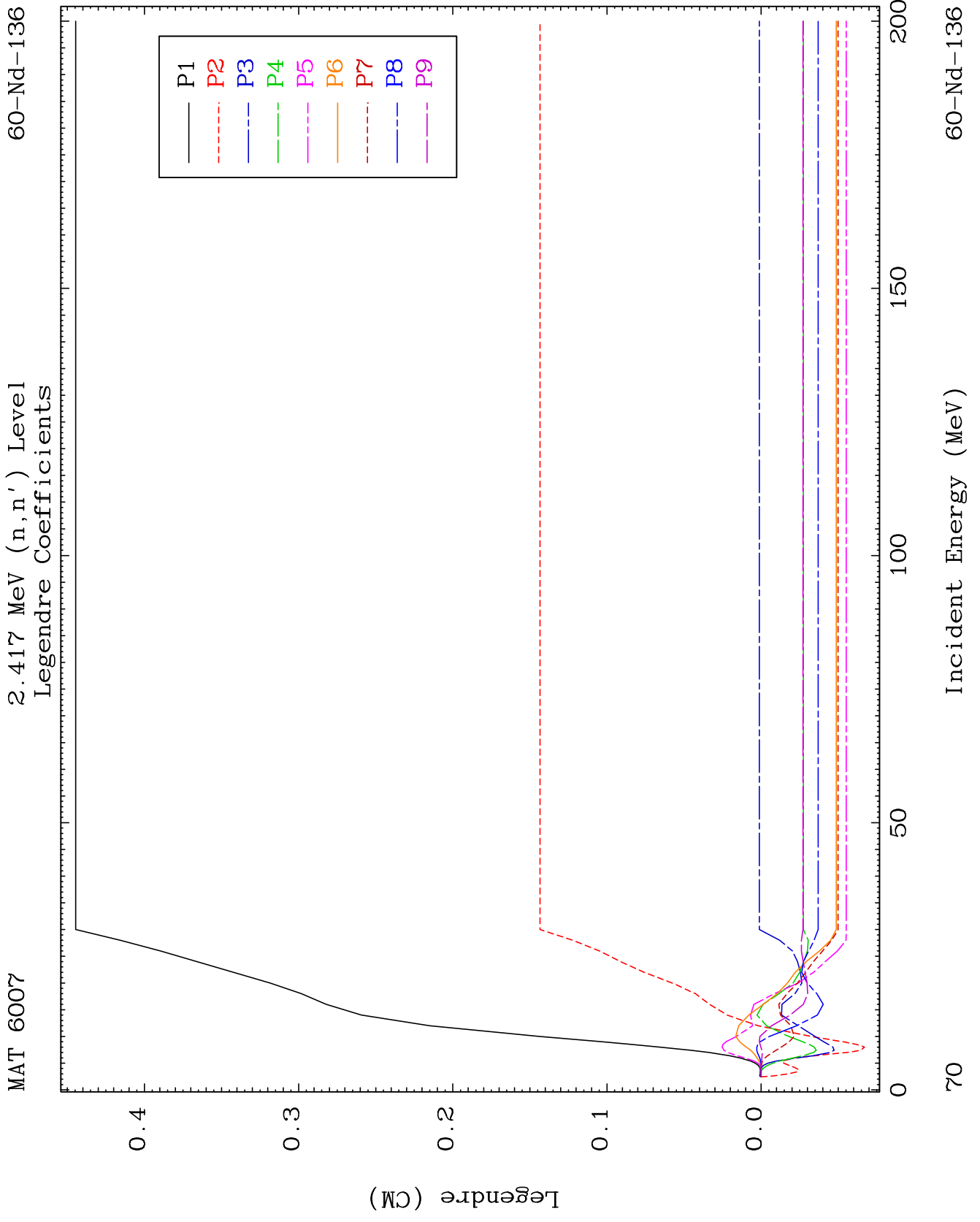


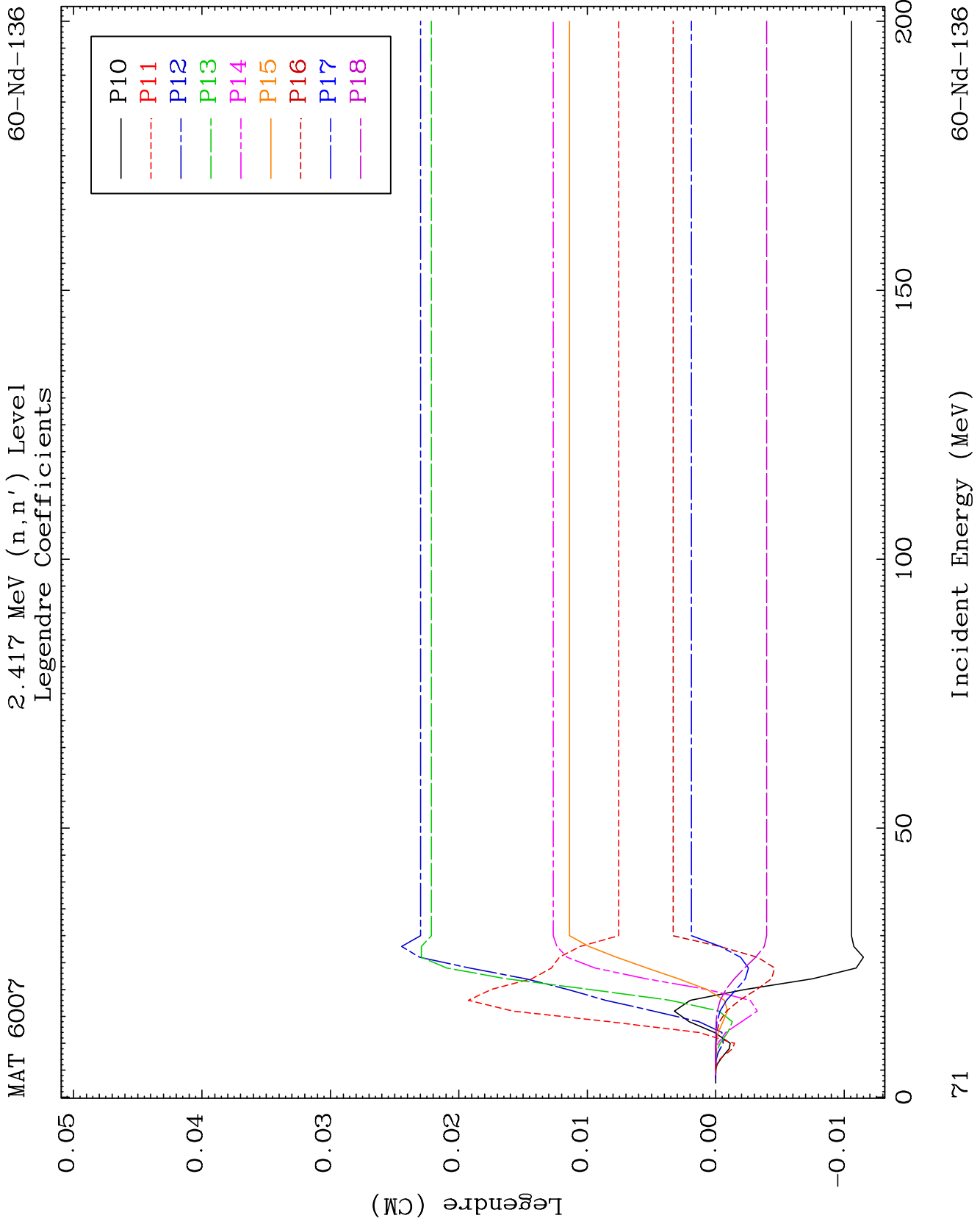
68

Incident Energy (MeV)

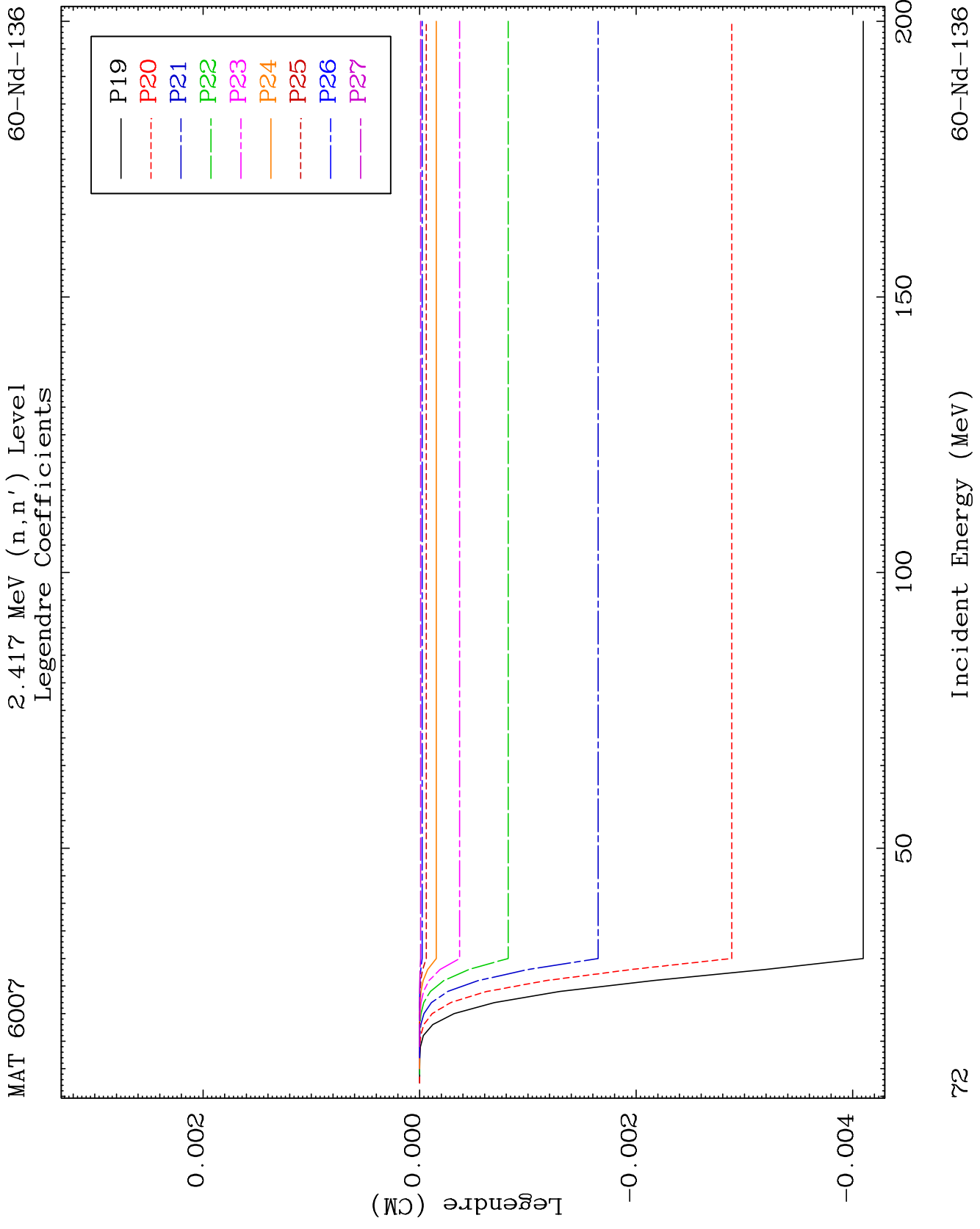
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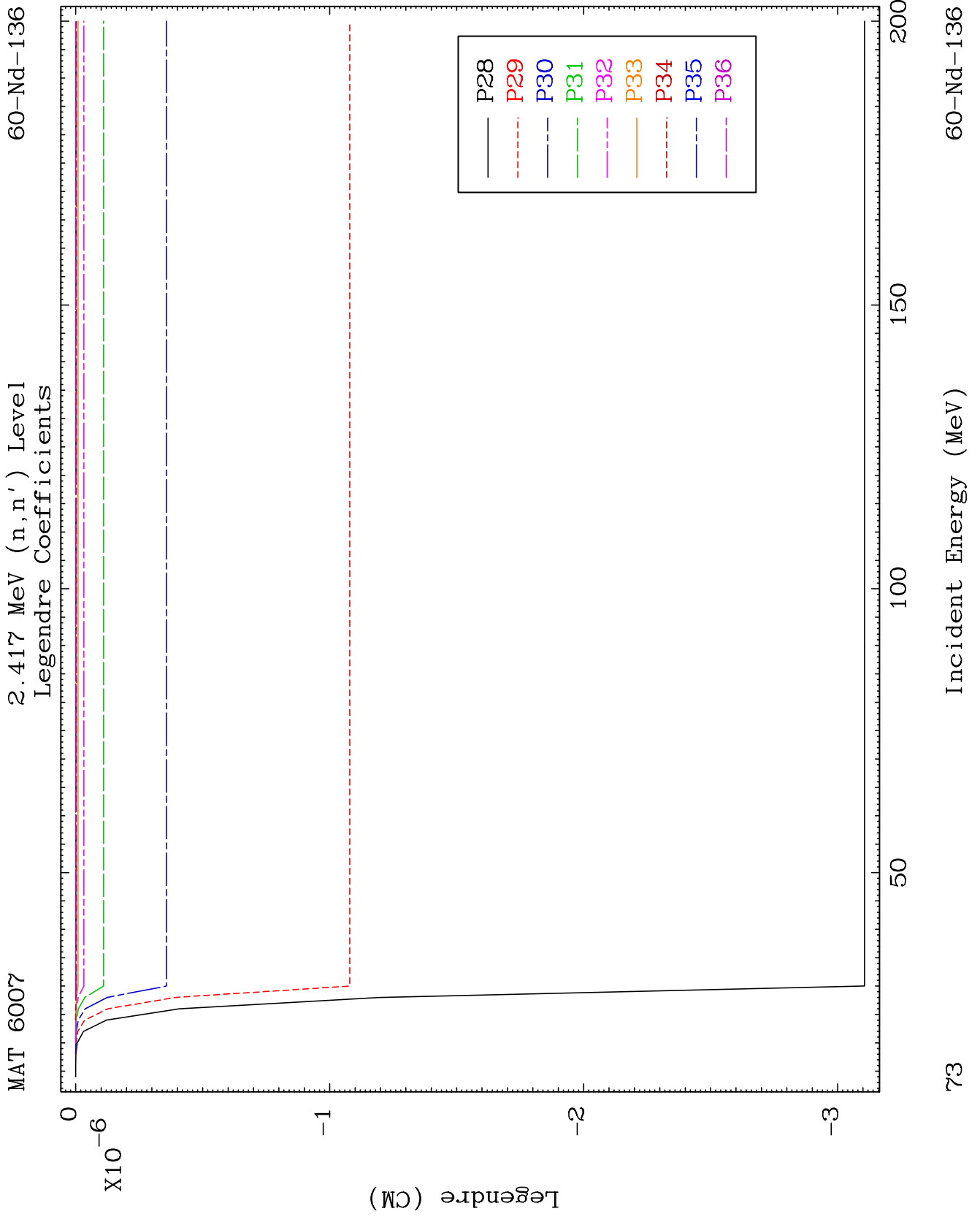


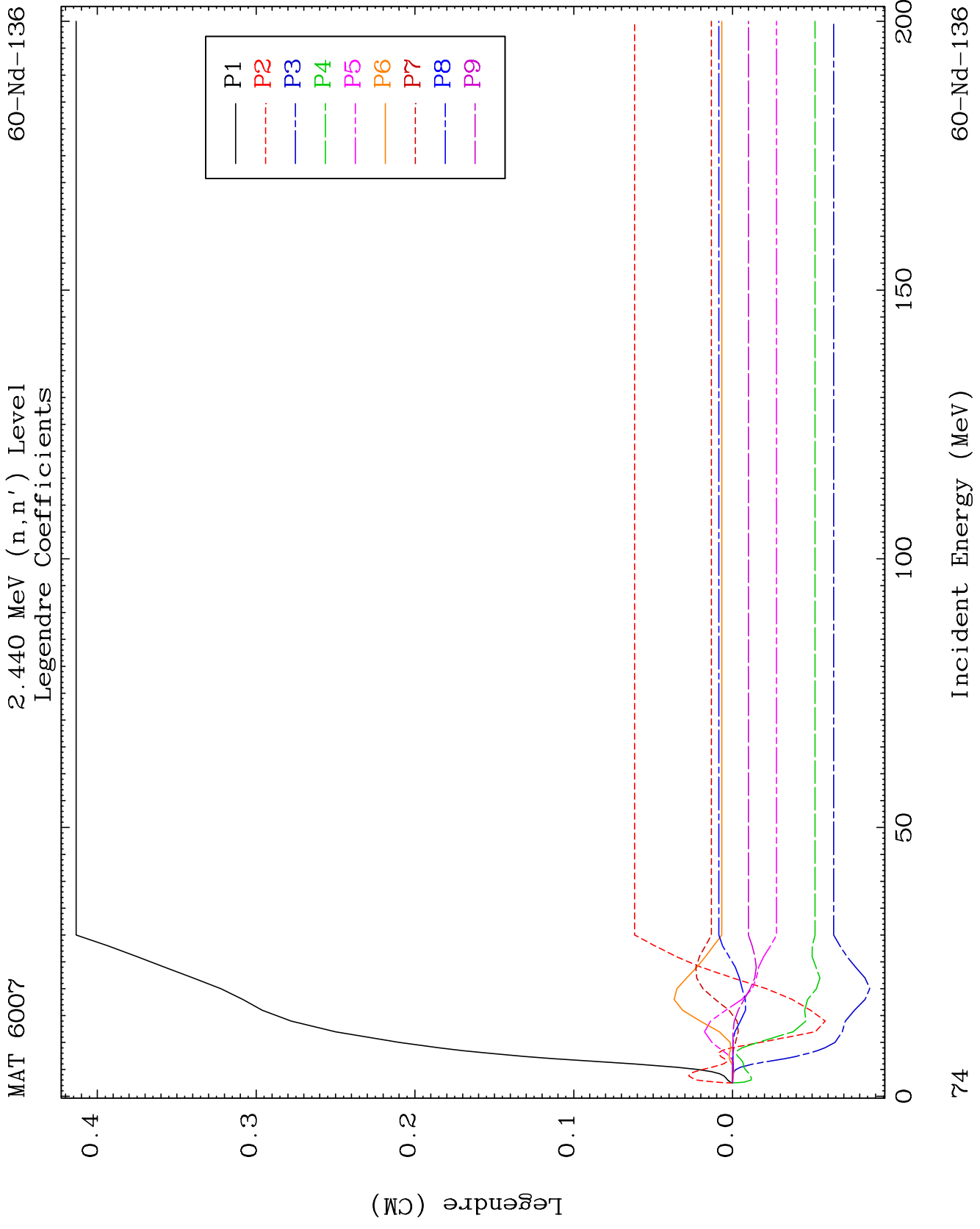


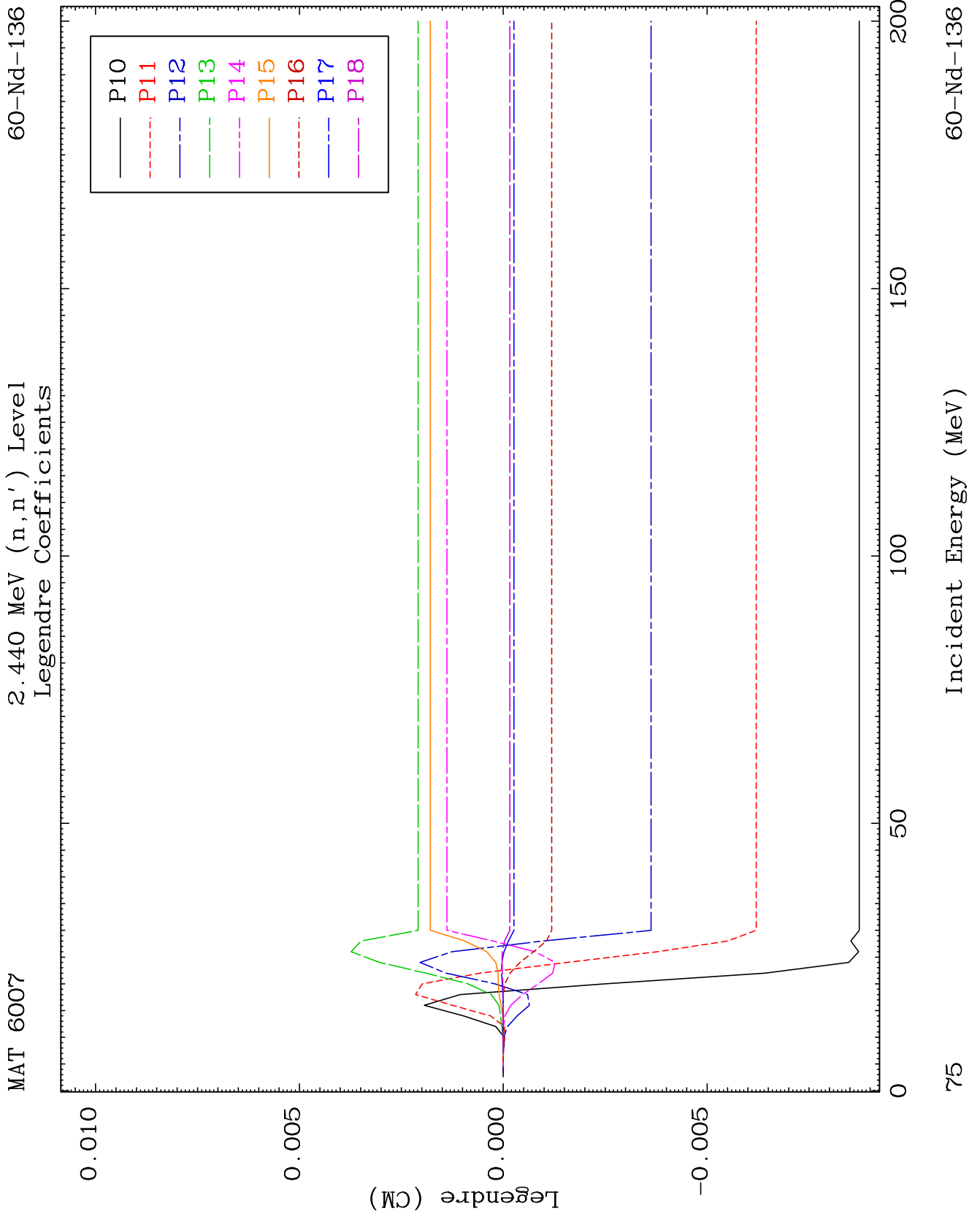


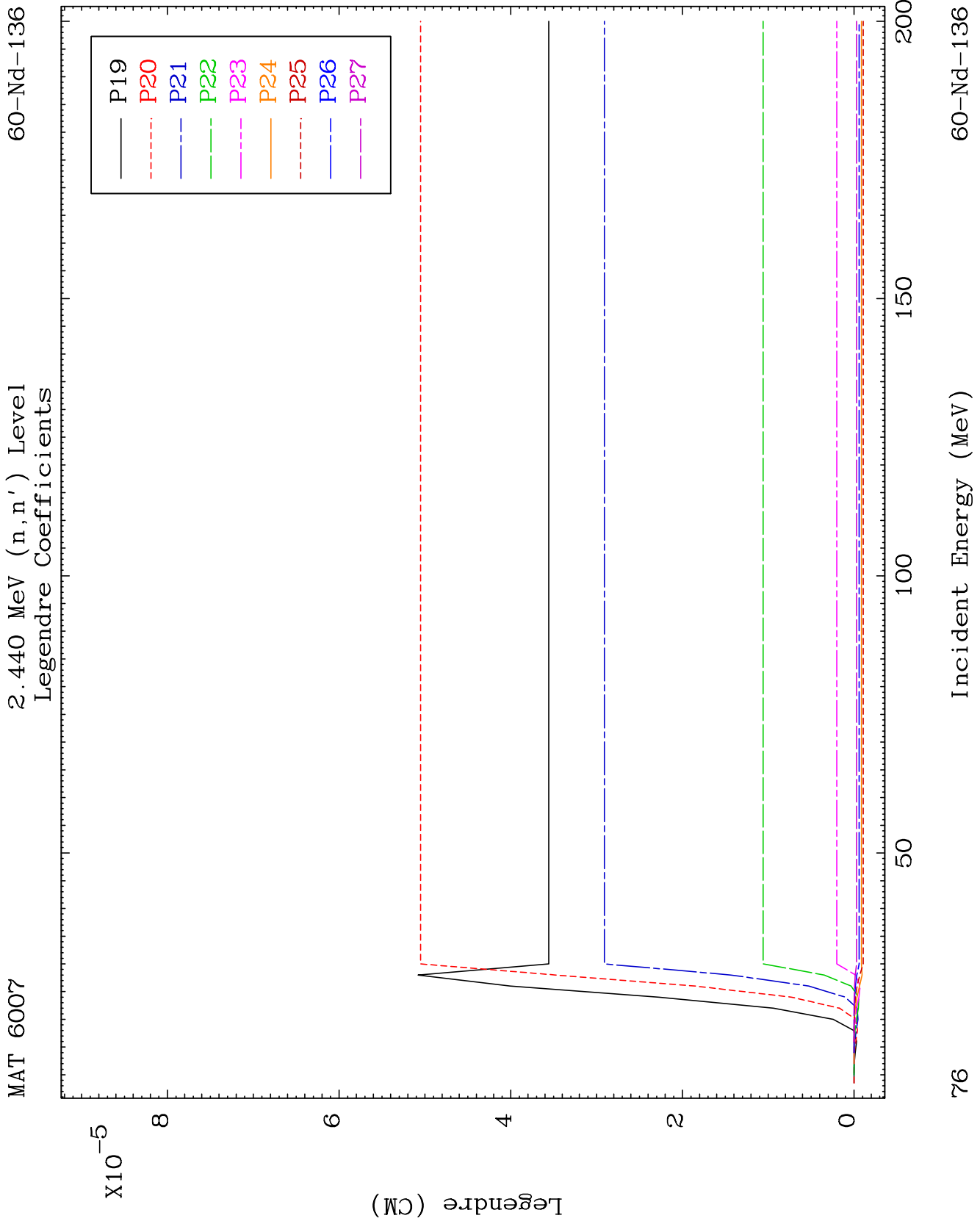


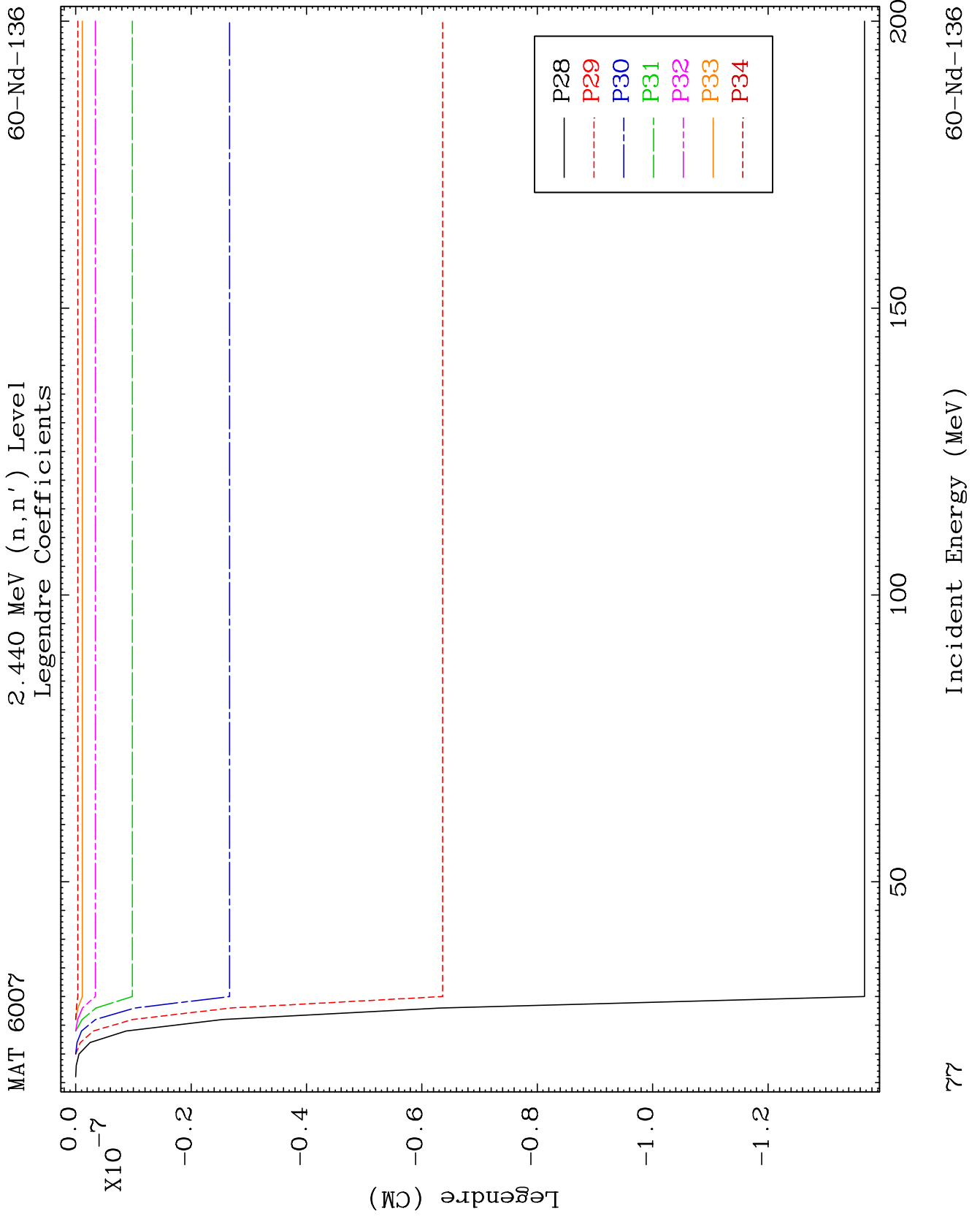








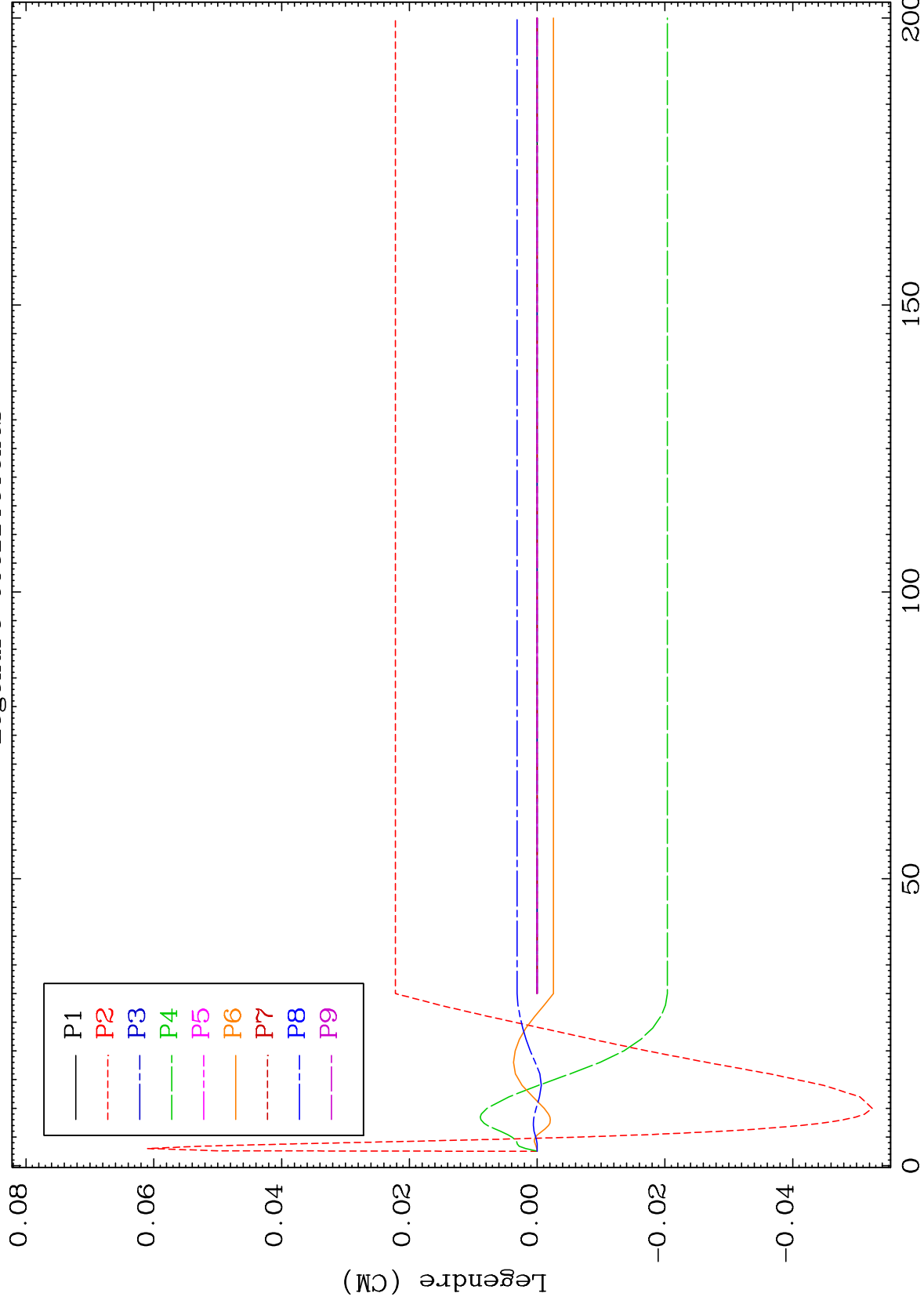




MAT 6007

2.484 MeV (n,n') Level  
Legendre Coefficients

60-Nd-136



78

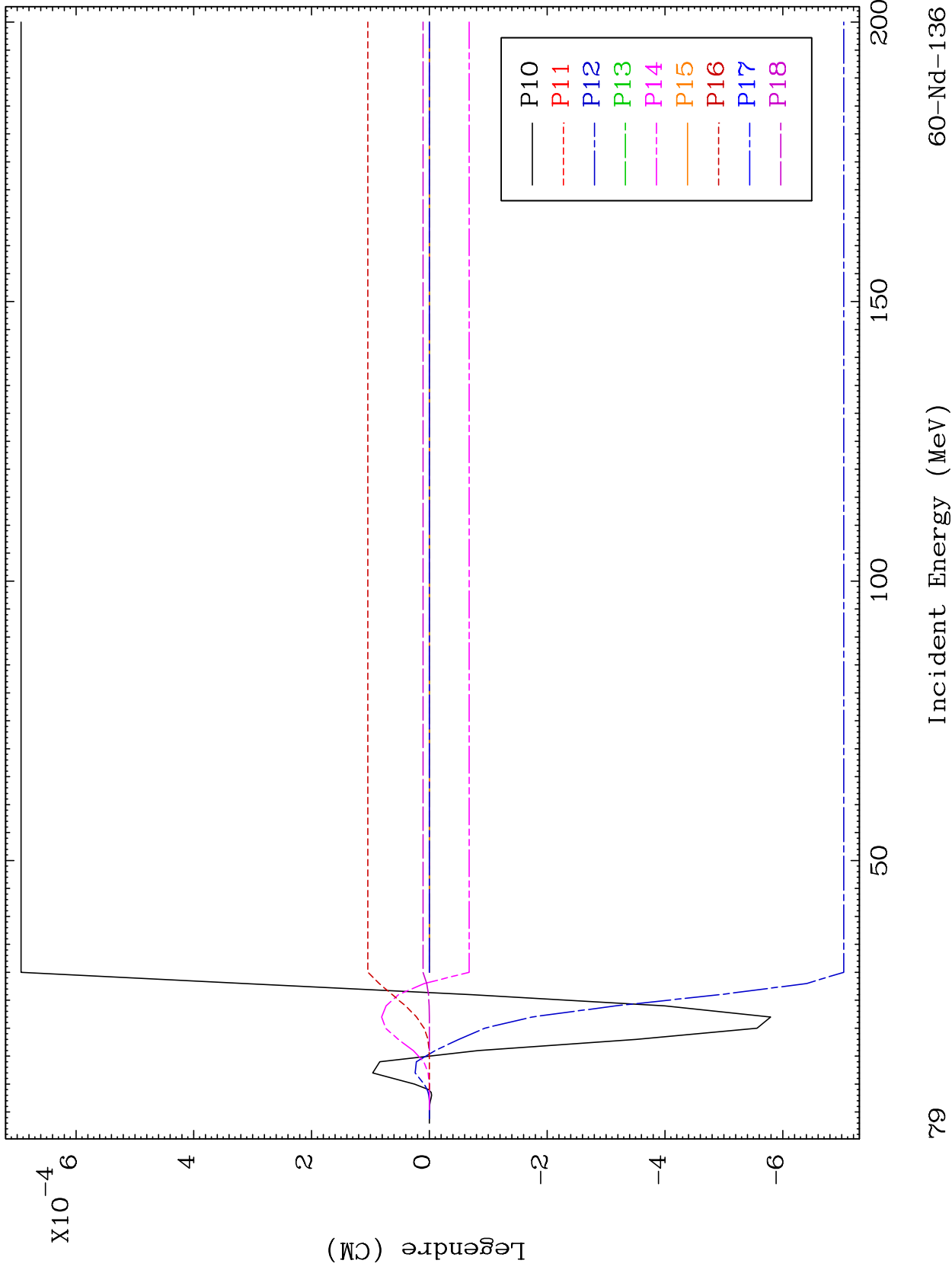
Incident Energy (MeV)

60-Nd-136

MAT 6007

2.484 MeV (n,n') Level  
Legendre Coefficients

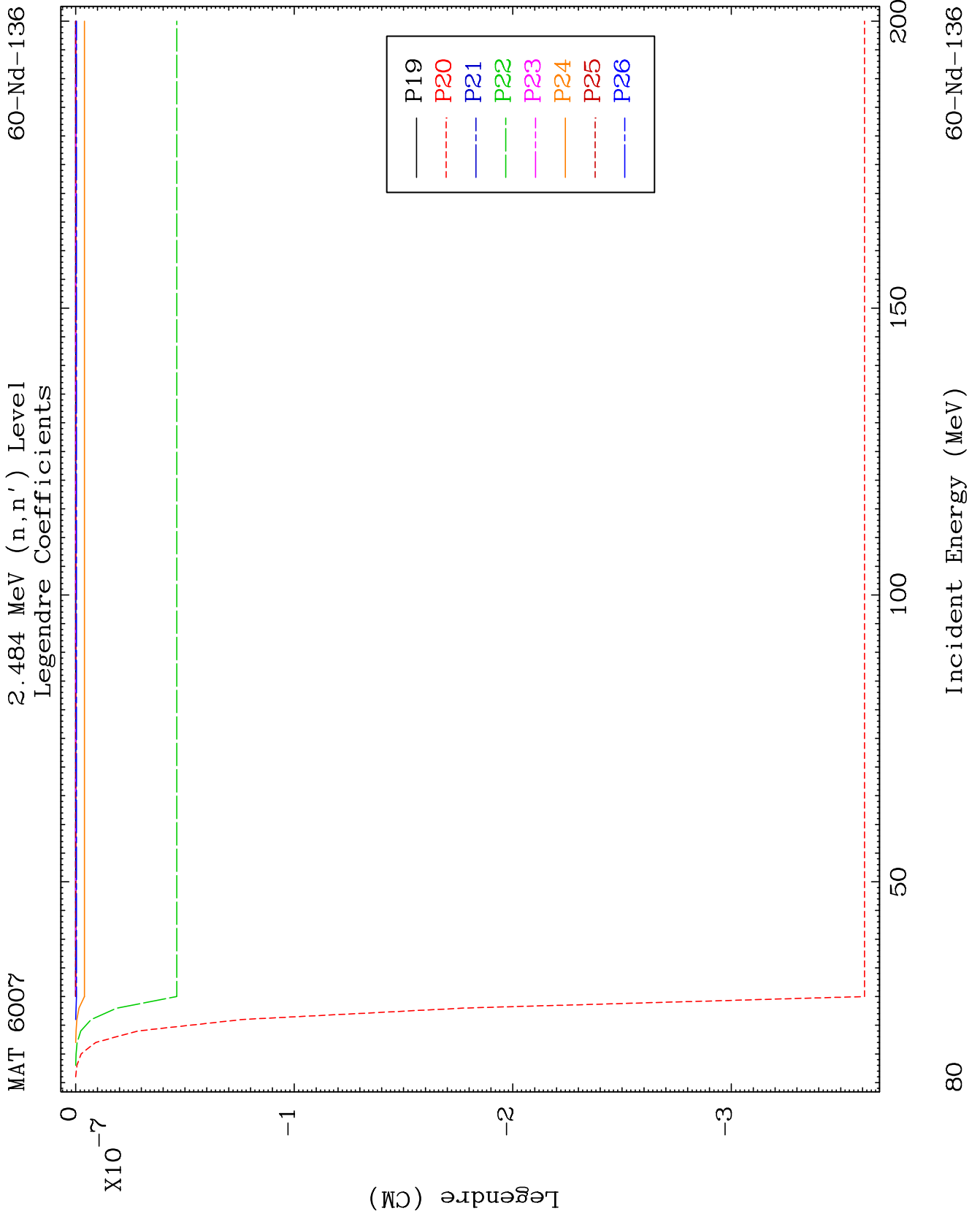
60-Nd-136



60-Nd-136

Incident Energy (MeV)

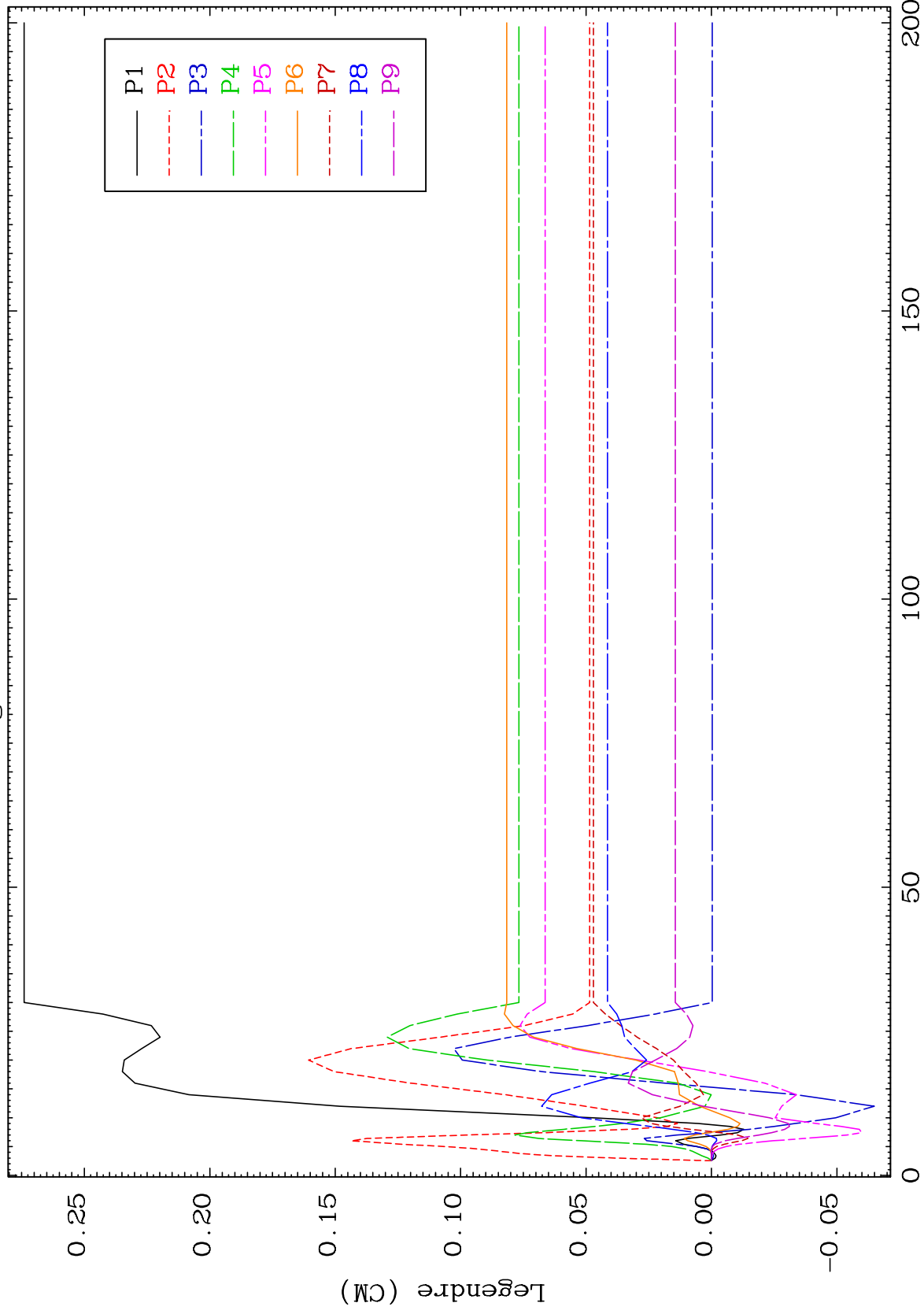




MAT 6007

2.523 MeV (n, n') Level  
Legendre Coefficients

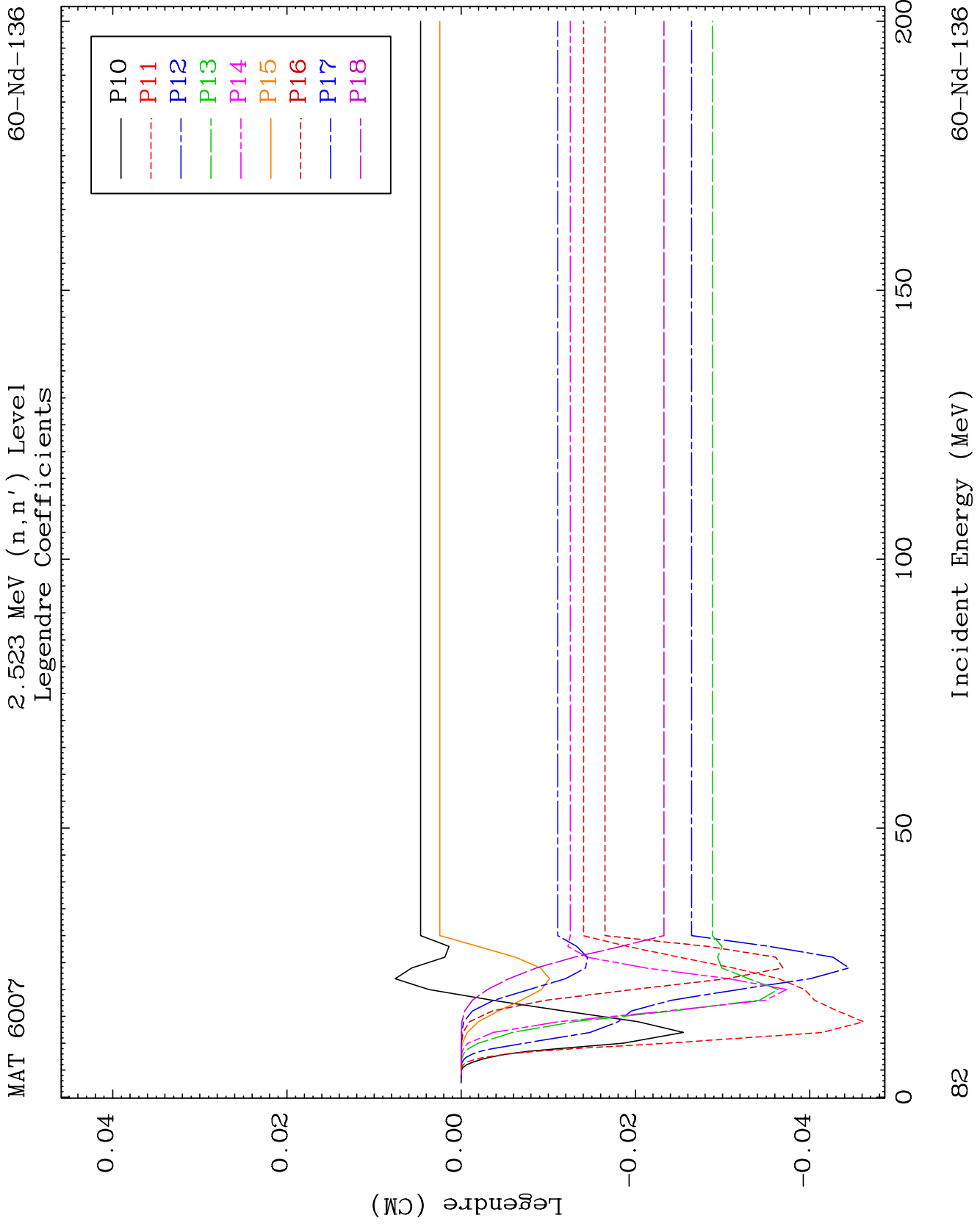
60-Nd-136

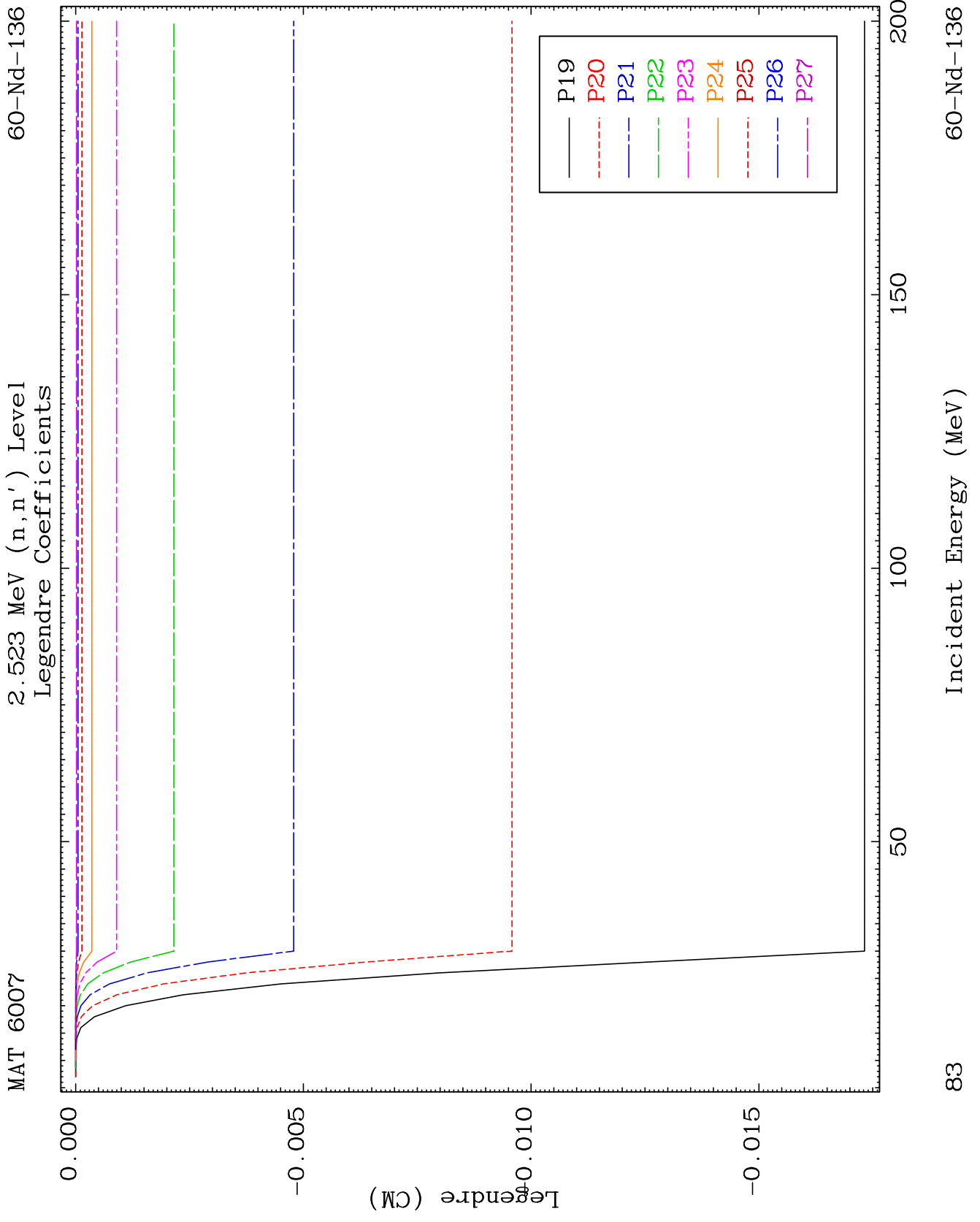


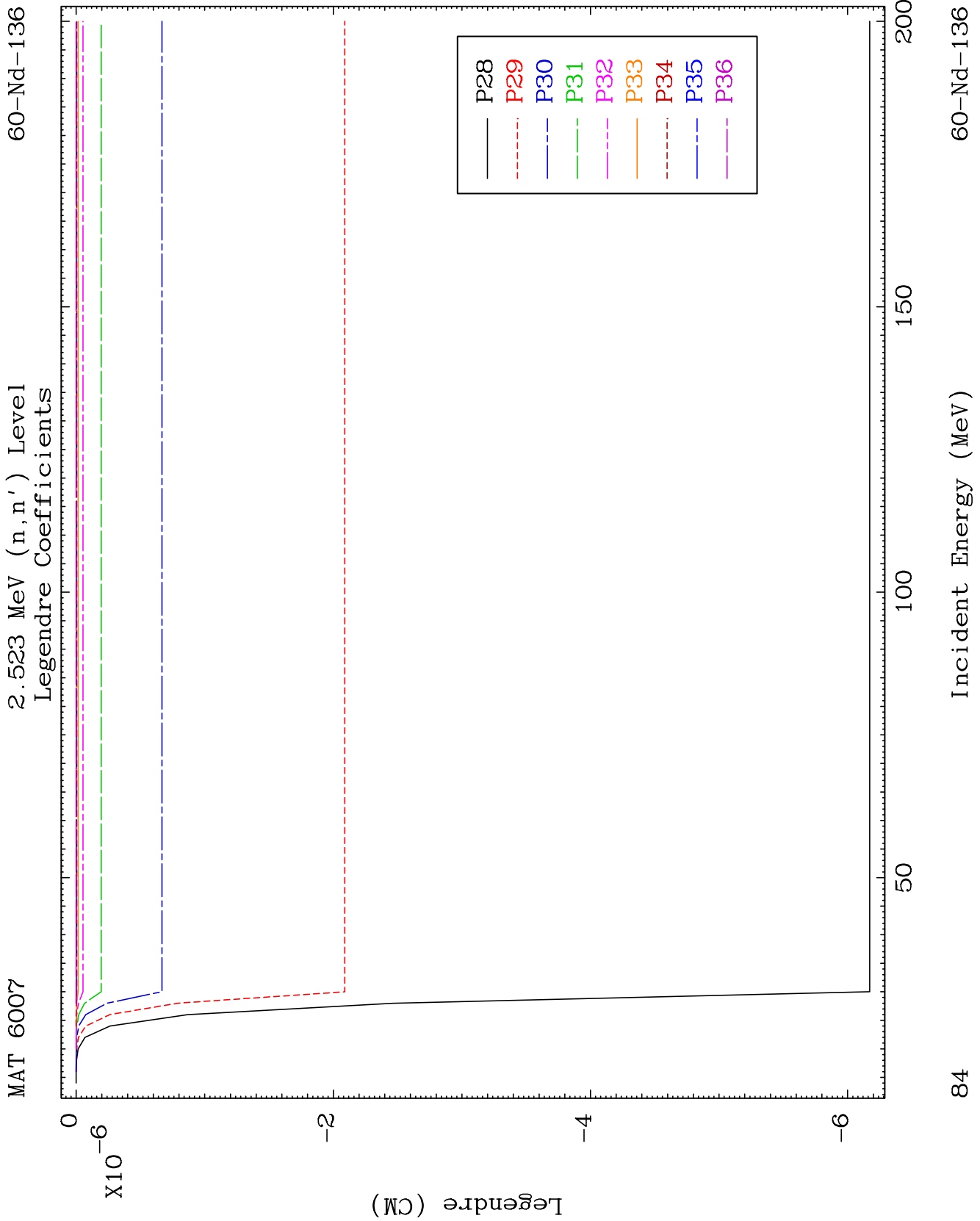
81

Incident Energy (MeV)

60-Nd-136





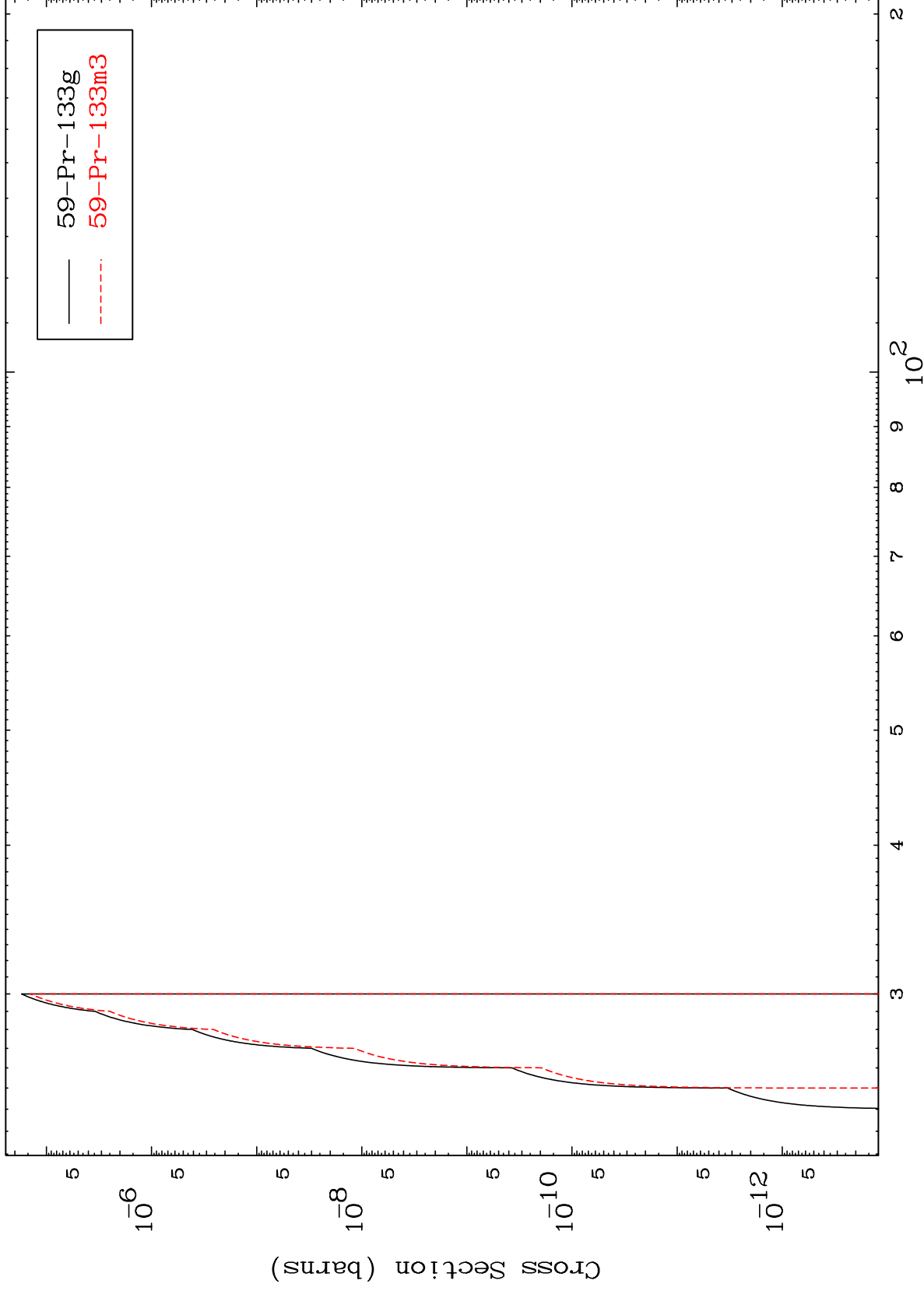


MAT 6007

(n,2n) d

60-Nd-136

Radionuclide Production Cross Section



85

Incident Energy (MeV)

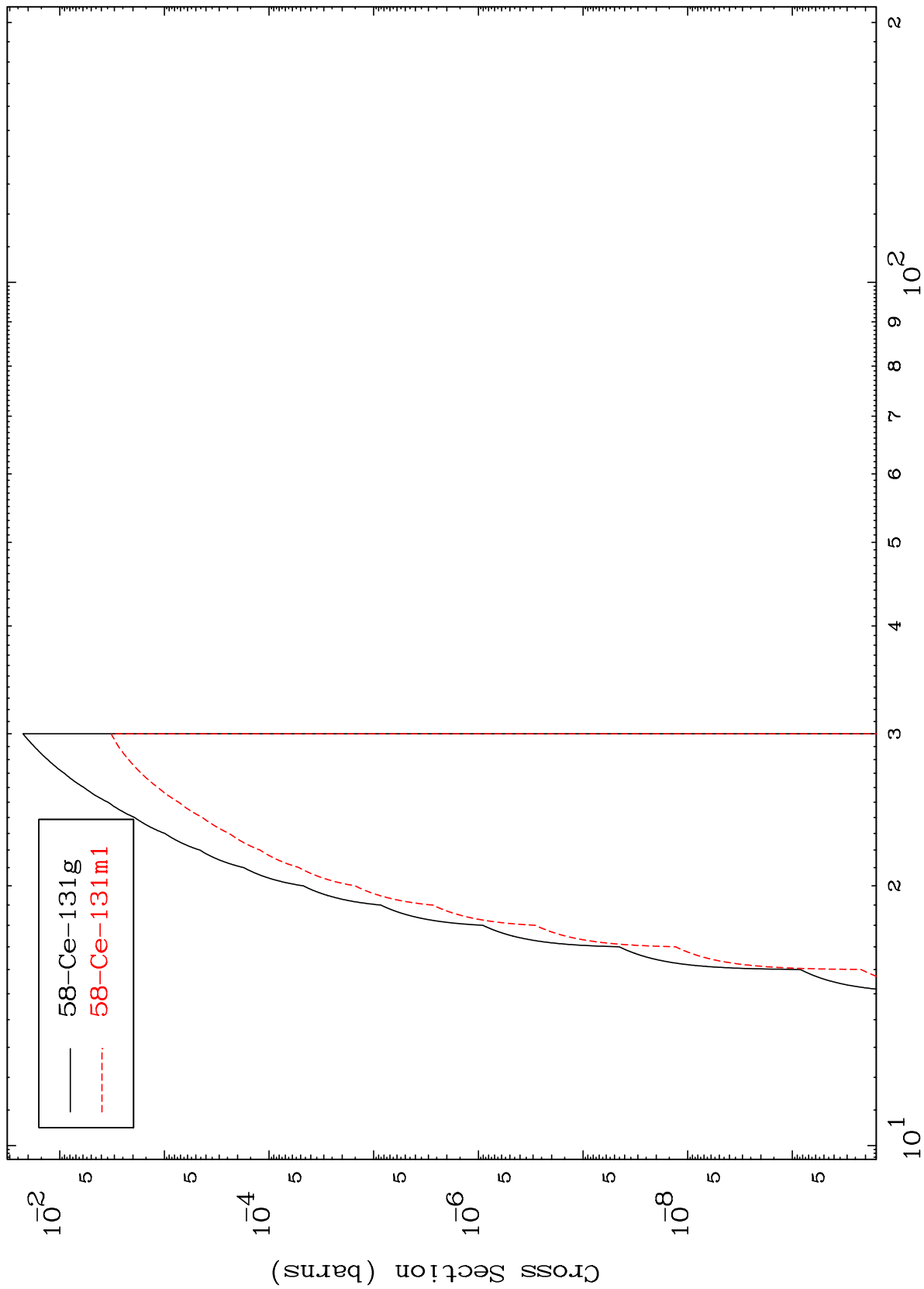
60-Nd-136

MAT 6007

(n,2n)  $\alpha$

60-Nd-136

Radionuclide Production Cross Section



86

Incident Energy (MeV)

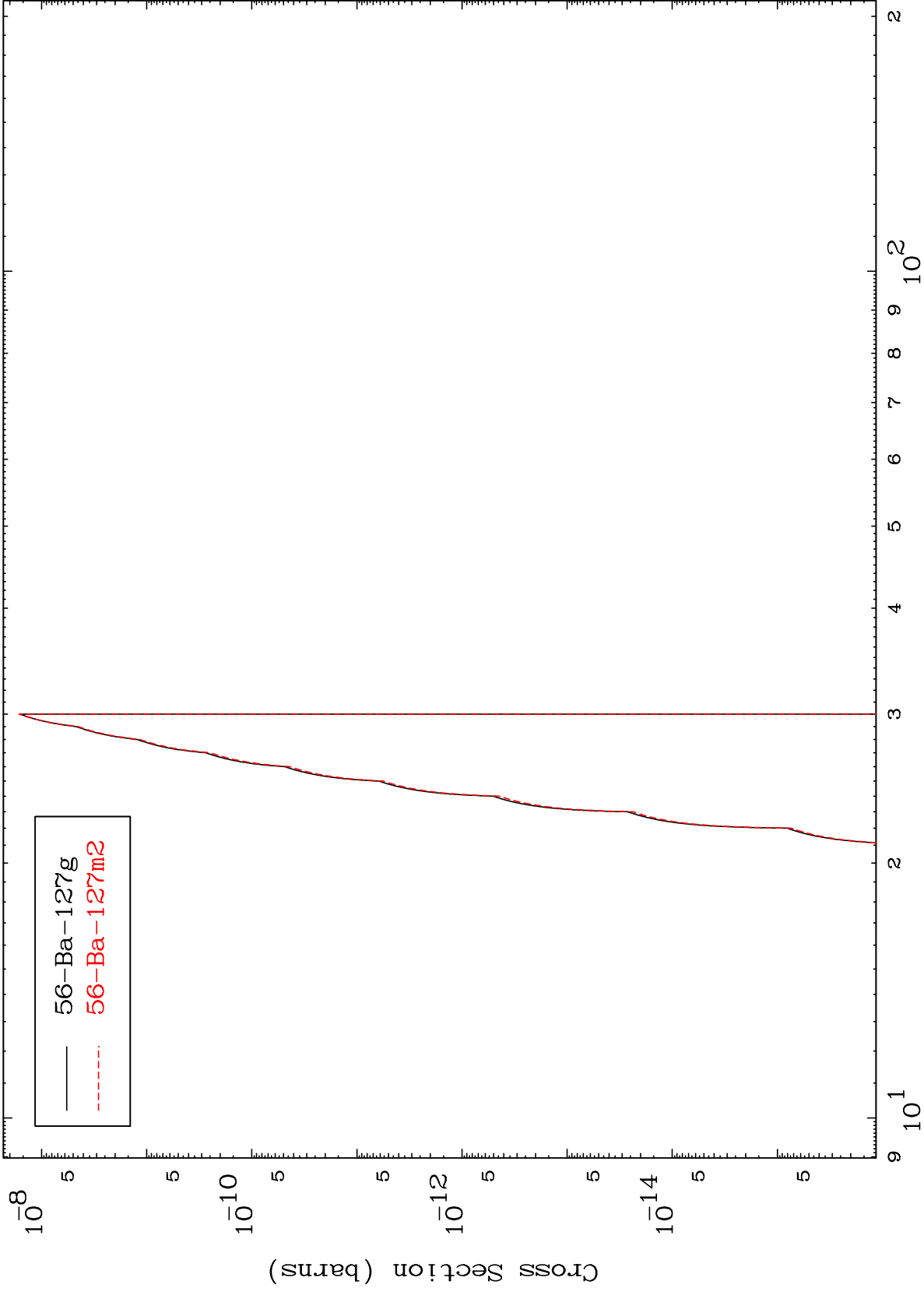
60-Nd-136

MAT 6007

(n,2n) 2α

60-Nd-136

Radionuclide Production Cross Section



87

Incident Energy (MeV)

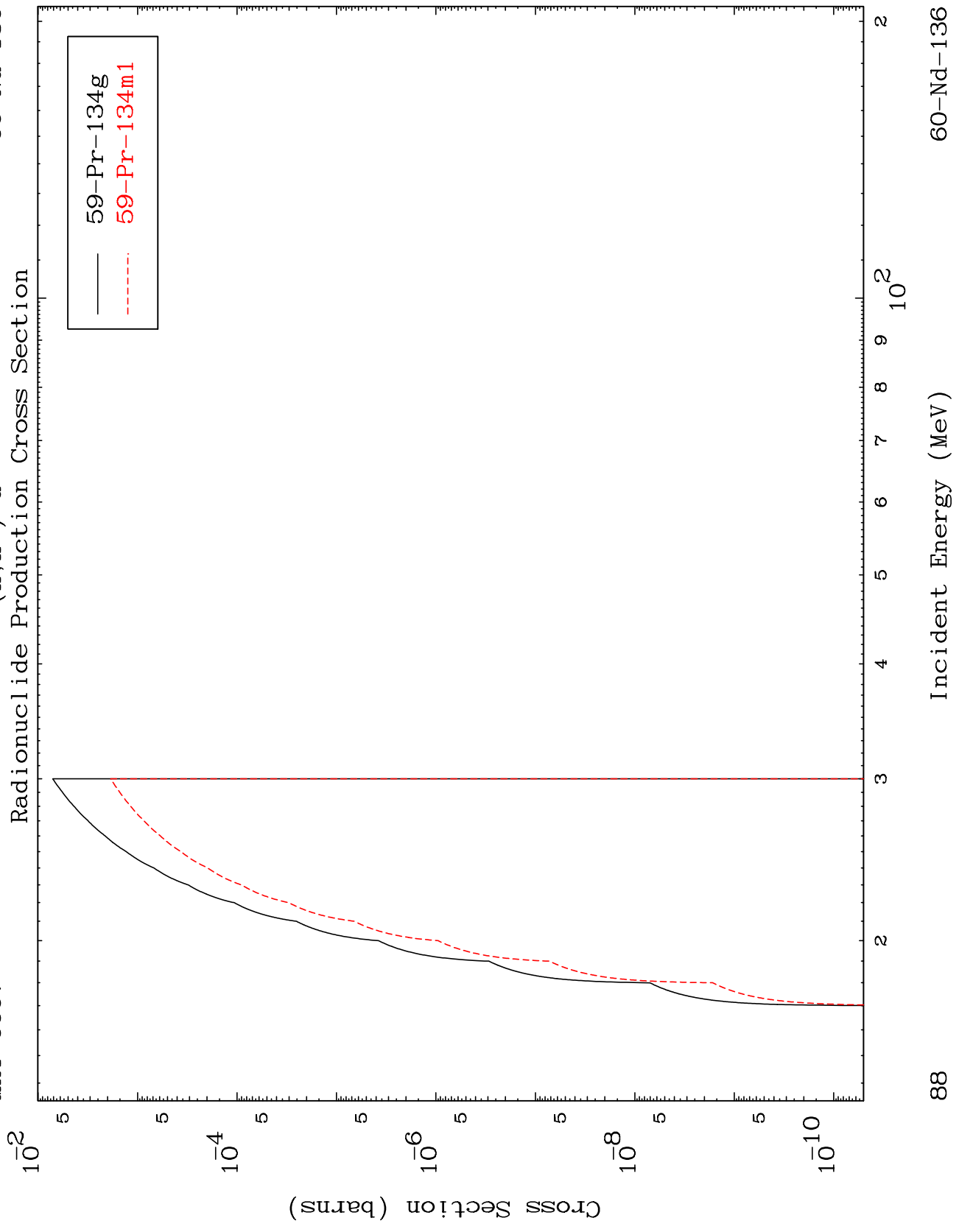
60-Nd-136



MAT 6007

(n,n') d

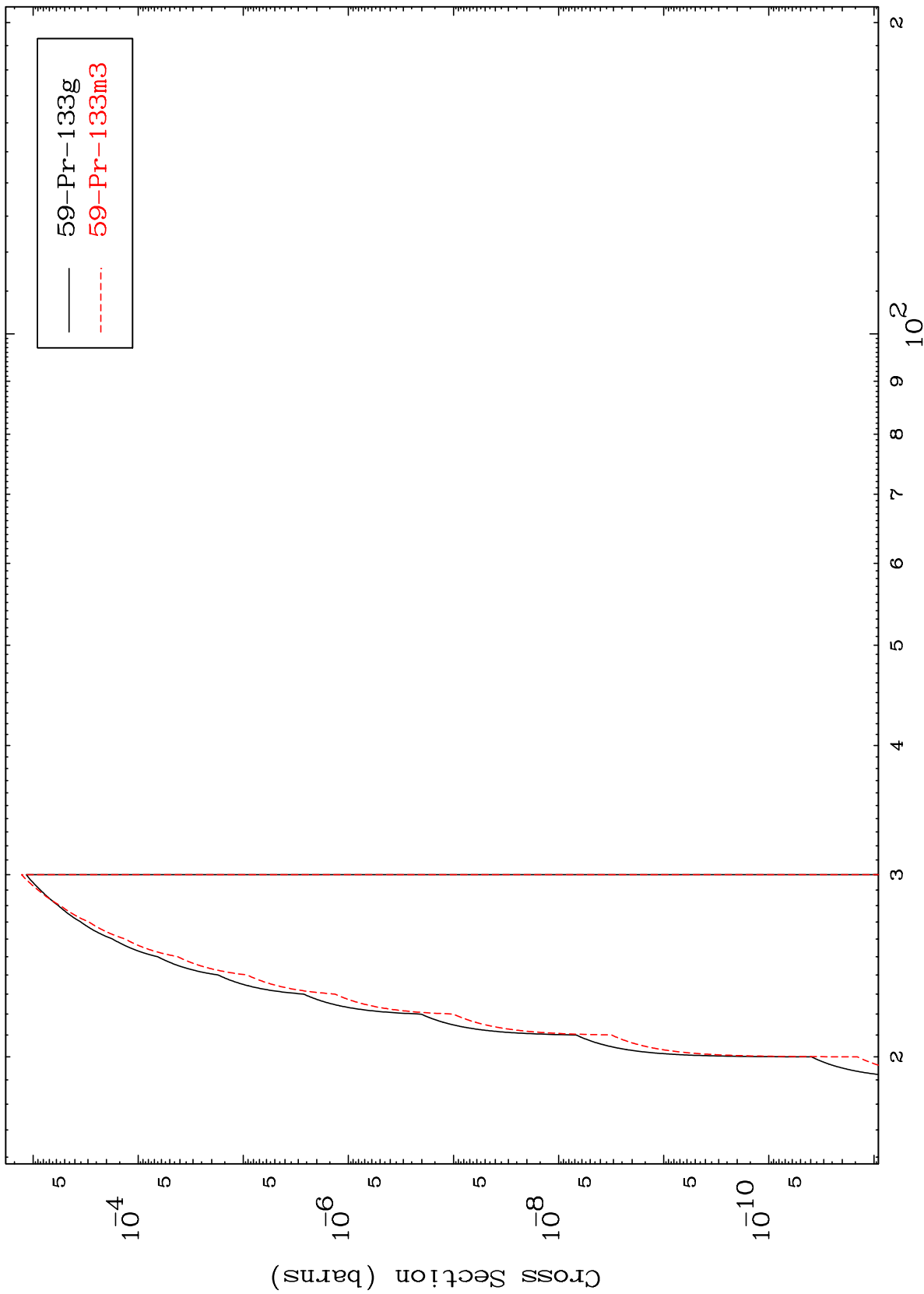
60-Nd-136



88

60-Nd-136

Radionuclide Production Cross Section

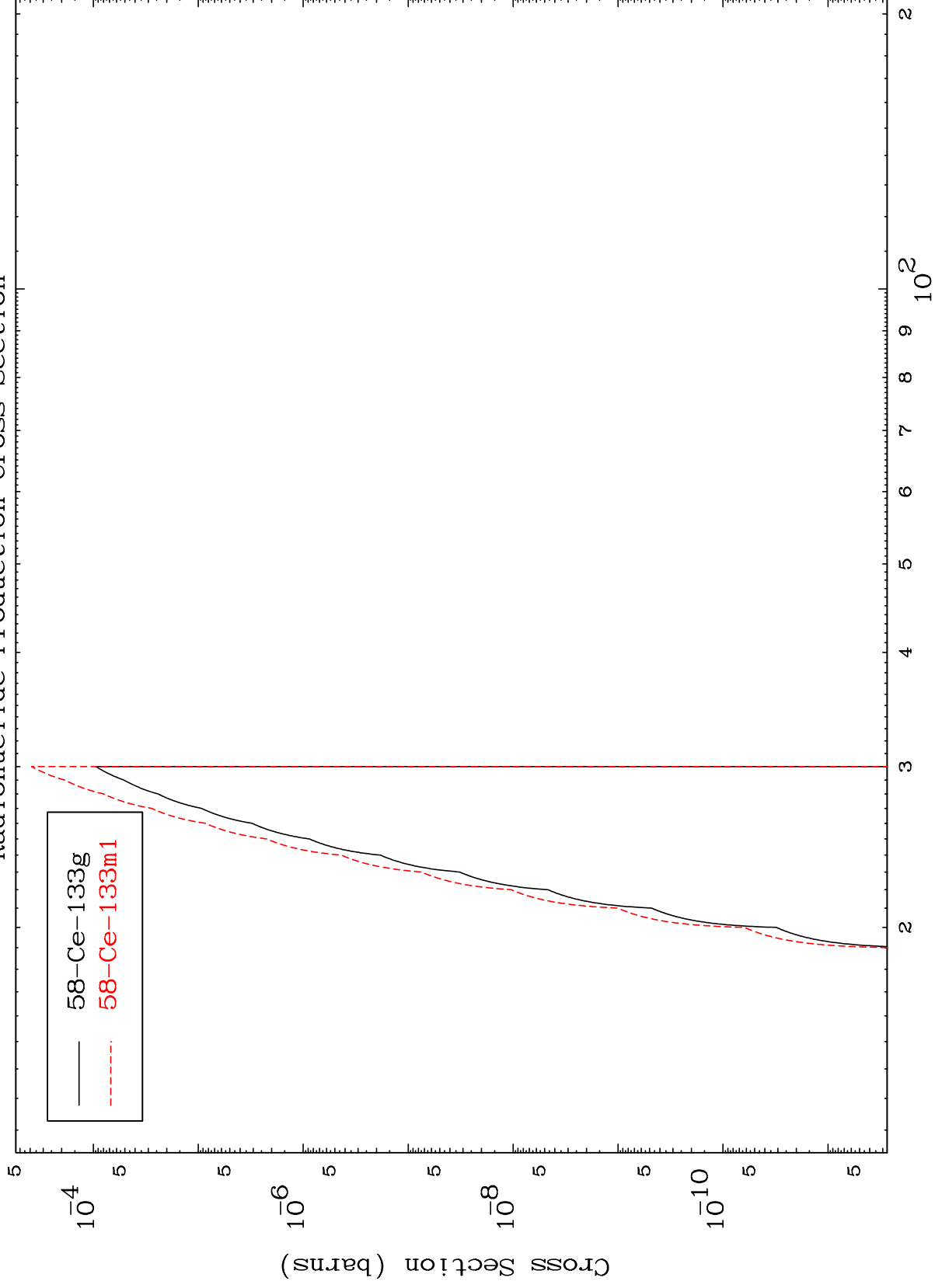


MAT 6007

(n,n') He-3

60-Nd-136

Radionuclide Production Cross Section

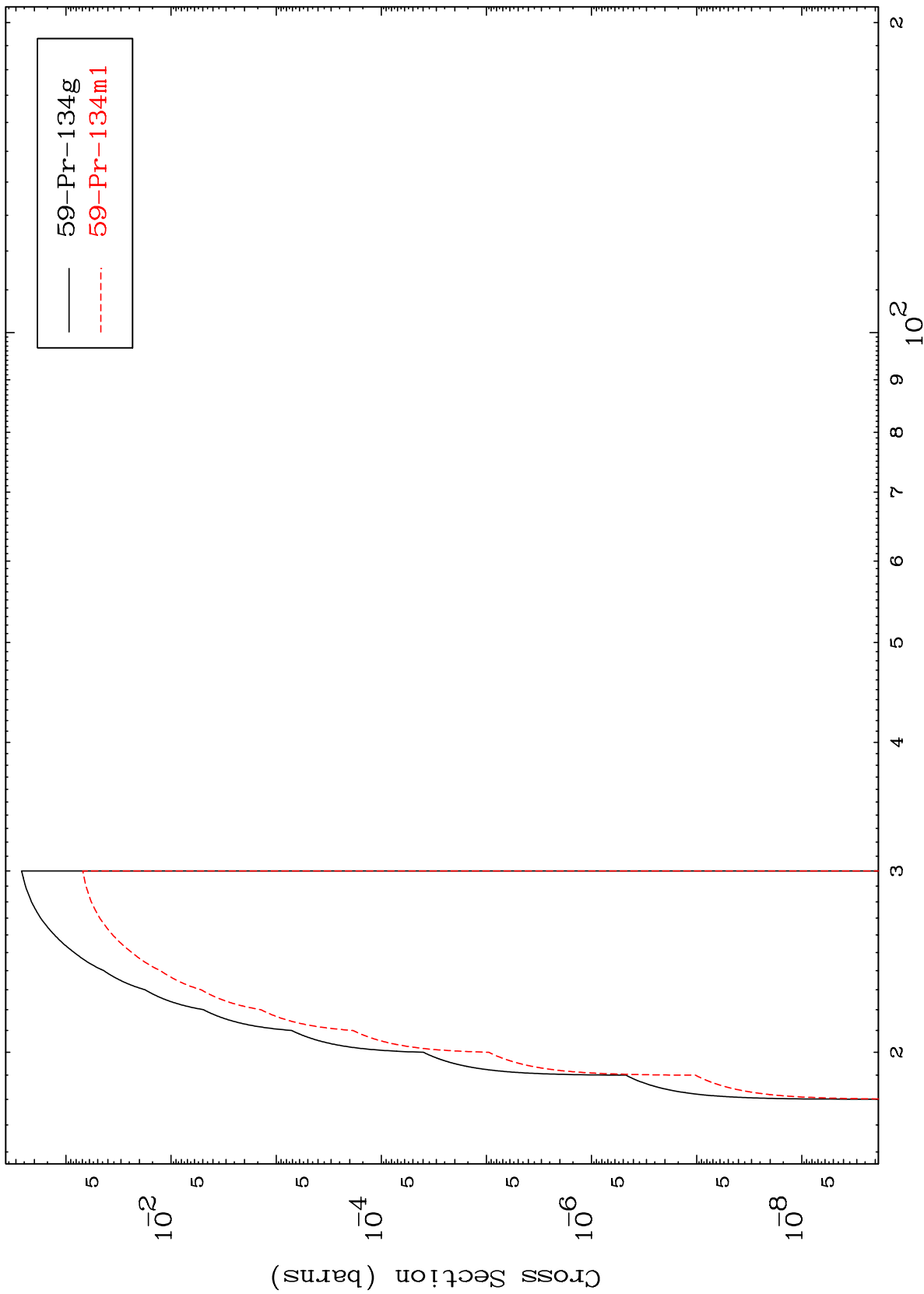


90

Incident Energy (MeV)

60-Nd-136

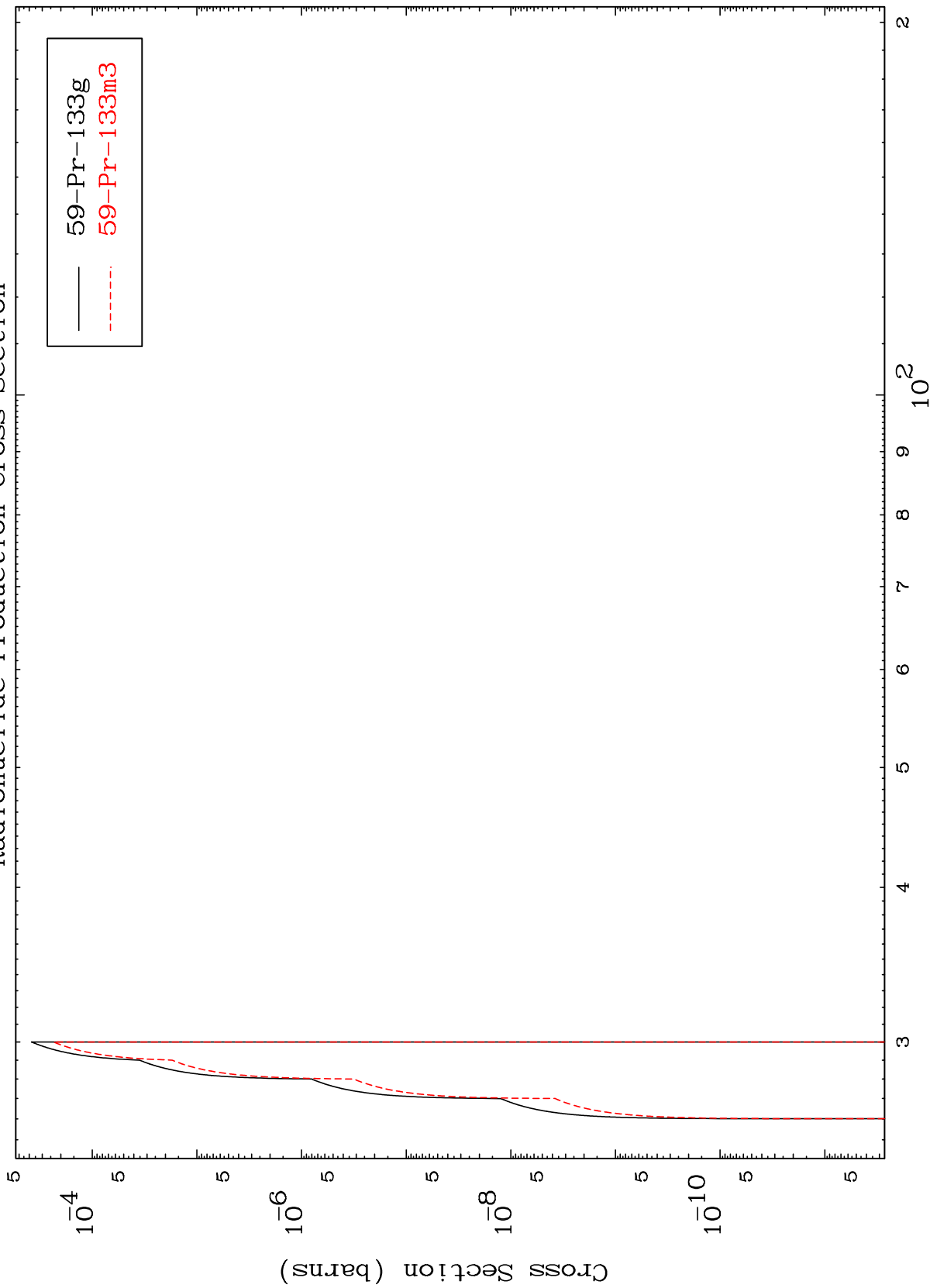
Radionuclide Production Cross Section



MAT 6007

60-Nd-136

(n,3n) p  
Radionuclide Production Cross Section



59-Pr-133g  
59-Pr-133m3

92

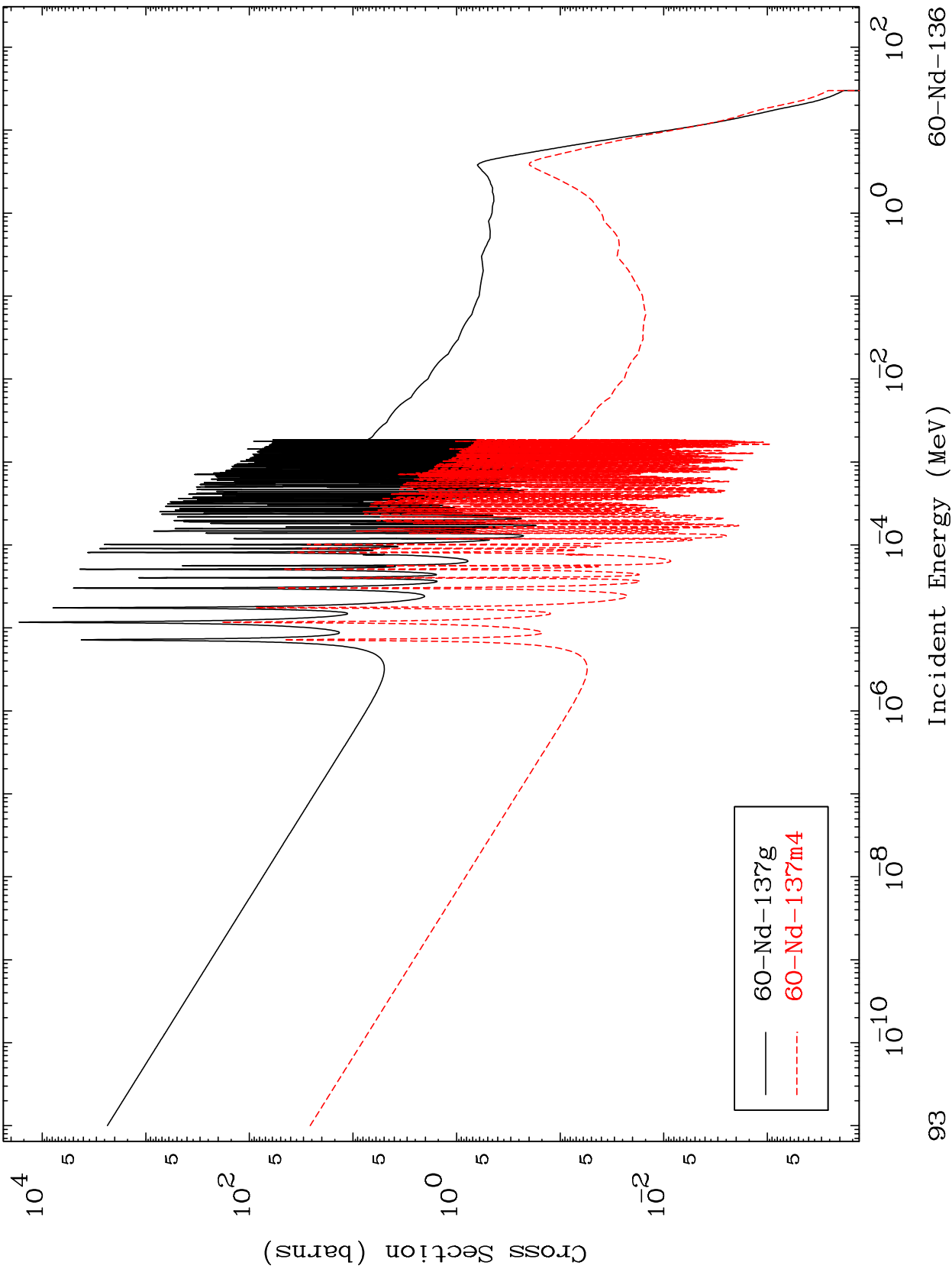
60-Nd-136

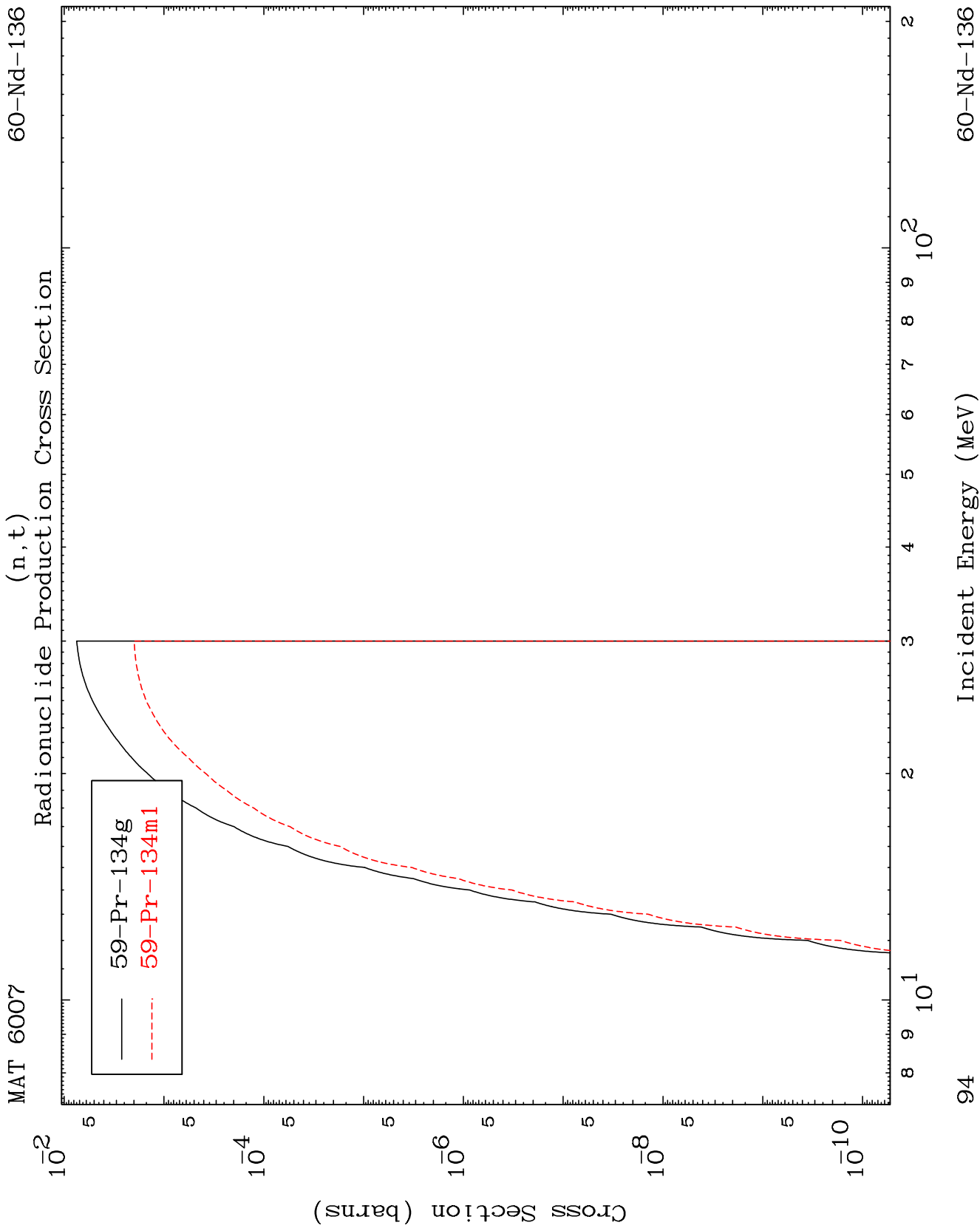
Incident Energy (MeV)

MAT 6007

60-Nd-136

Radionuclide Production Cross Section  
(n,  $\gamma$ )

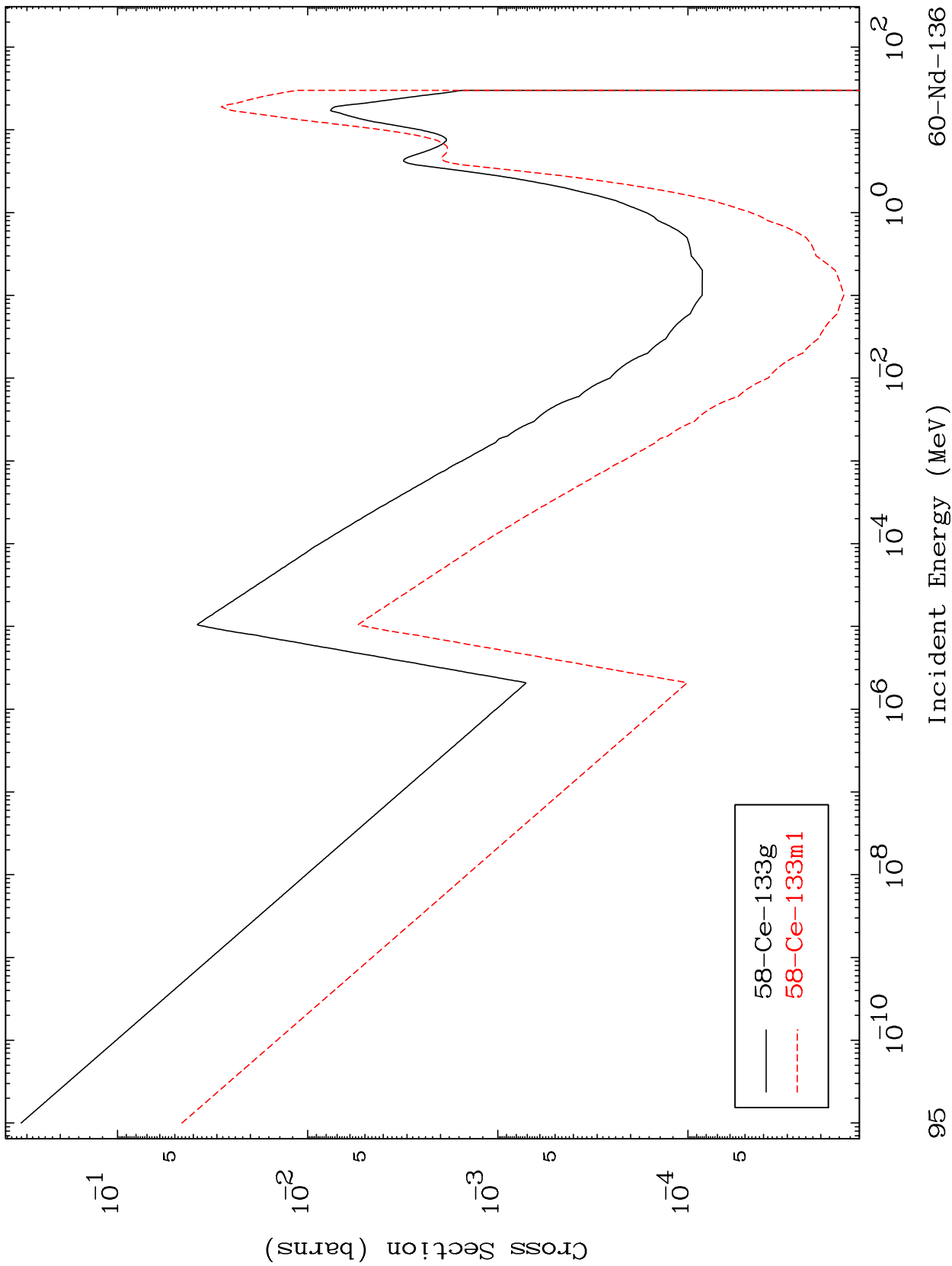




MAT 6007

60-Nd-136

$(n, \alpha)$   
Radionuclide Production Cross Section



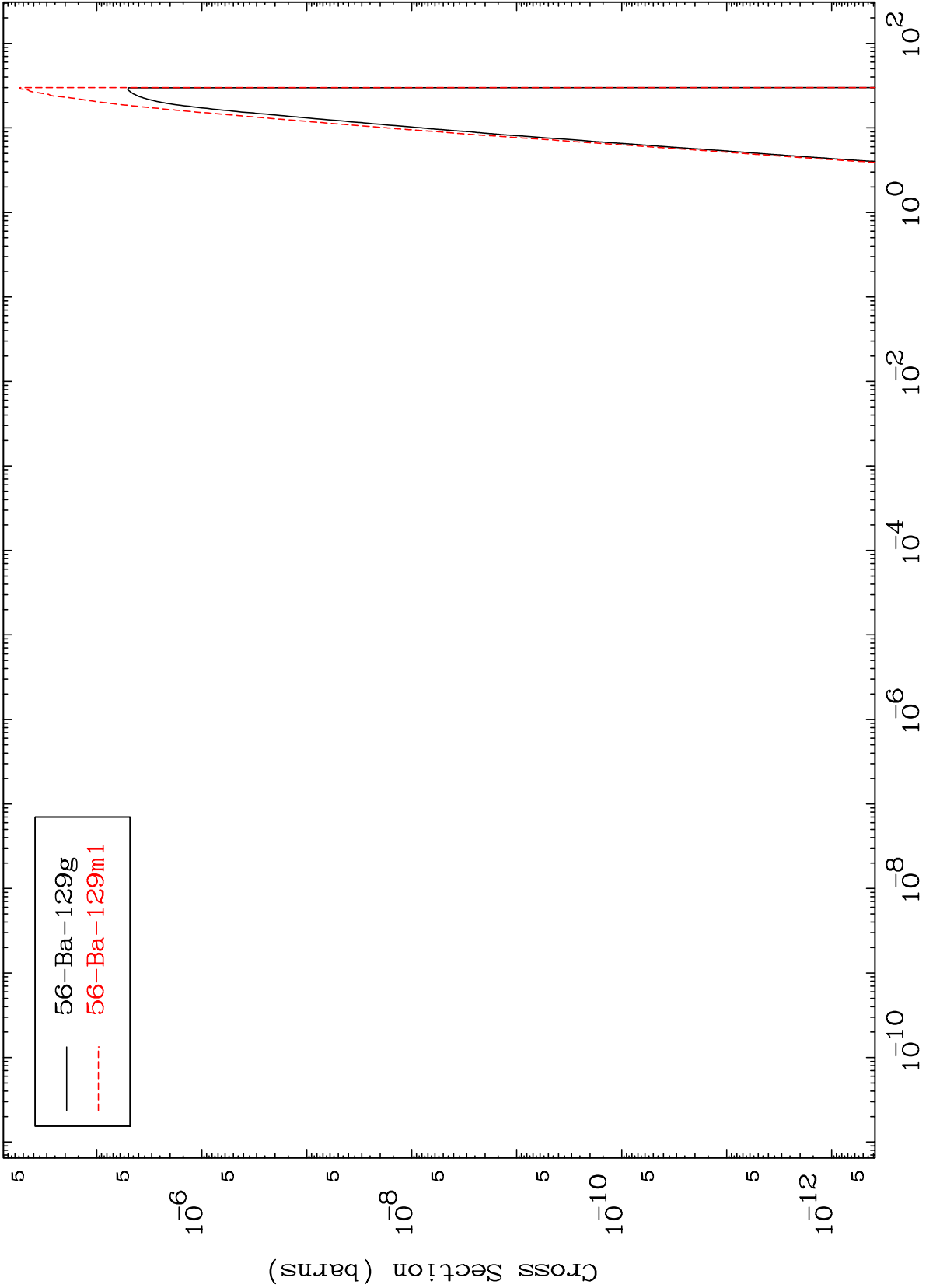


MAT 6007

(n,2α)

60-Nd-136

Radionuclide Production Cross Section



56-Ba-129g  
56-Ba-129m1

96

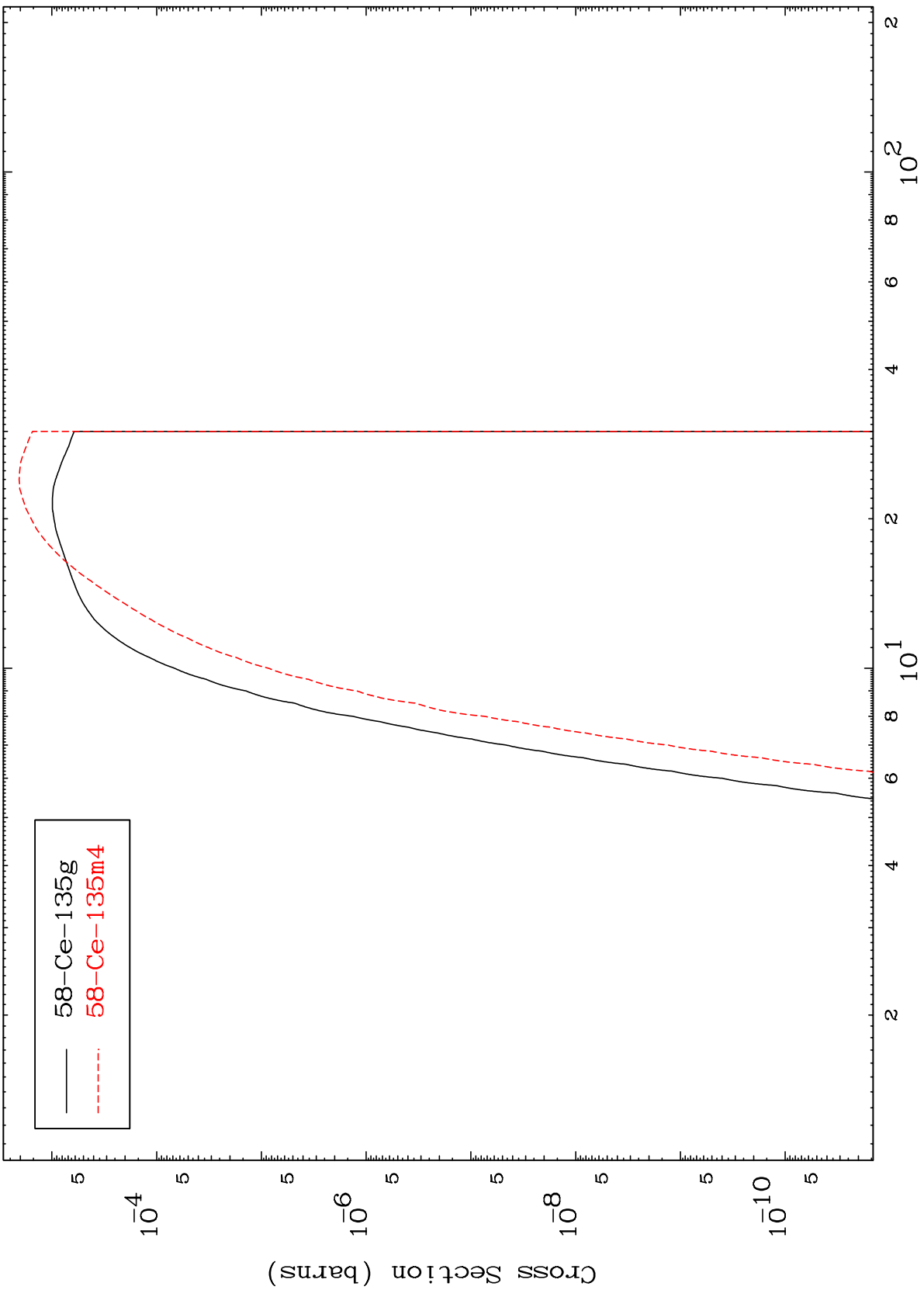
Incident Energy (MeV)

60-Nd-136

MAT 6007

60-Nd-136

(n,2p)  
Radionuclide Production Cross Section

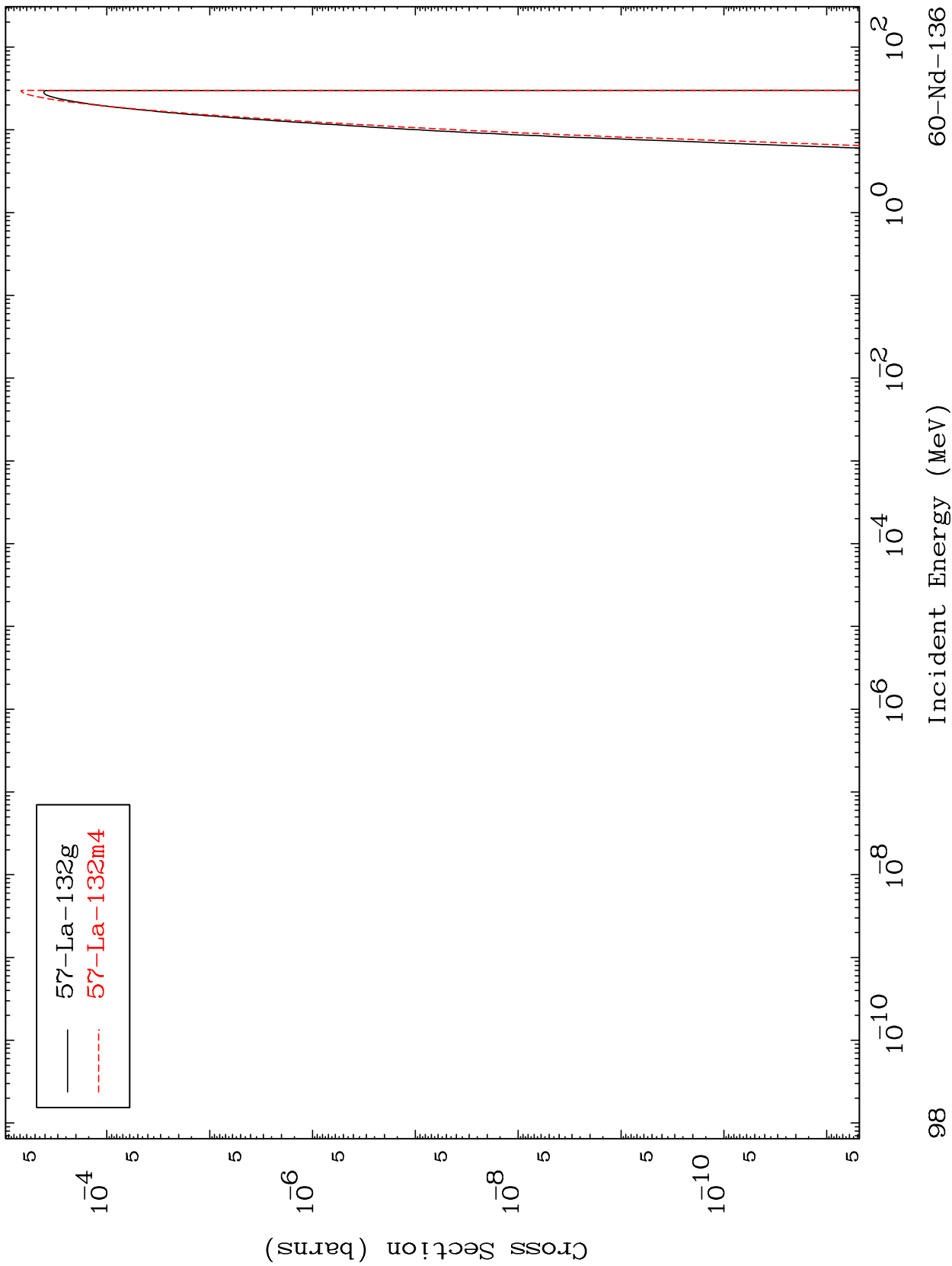


MAT 6007

(n,p)  $\alpha$

60-Nd-136

Radionuclide Production Cross Section

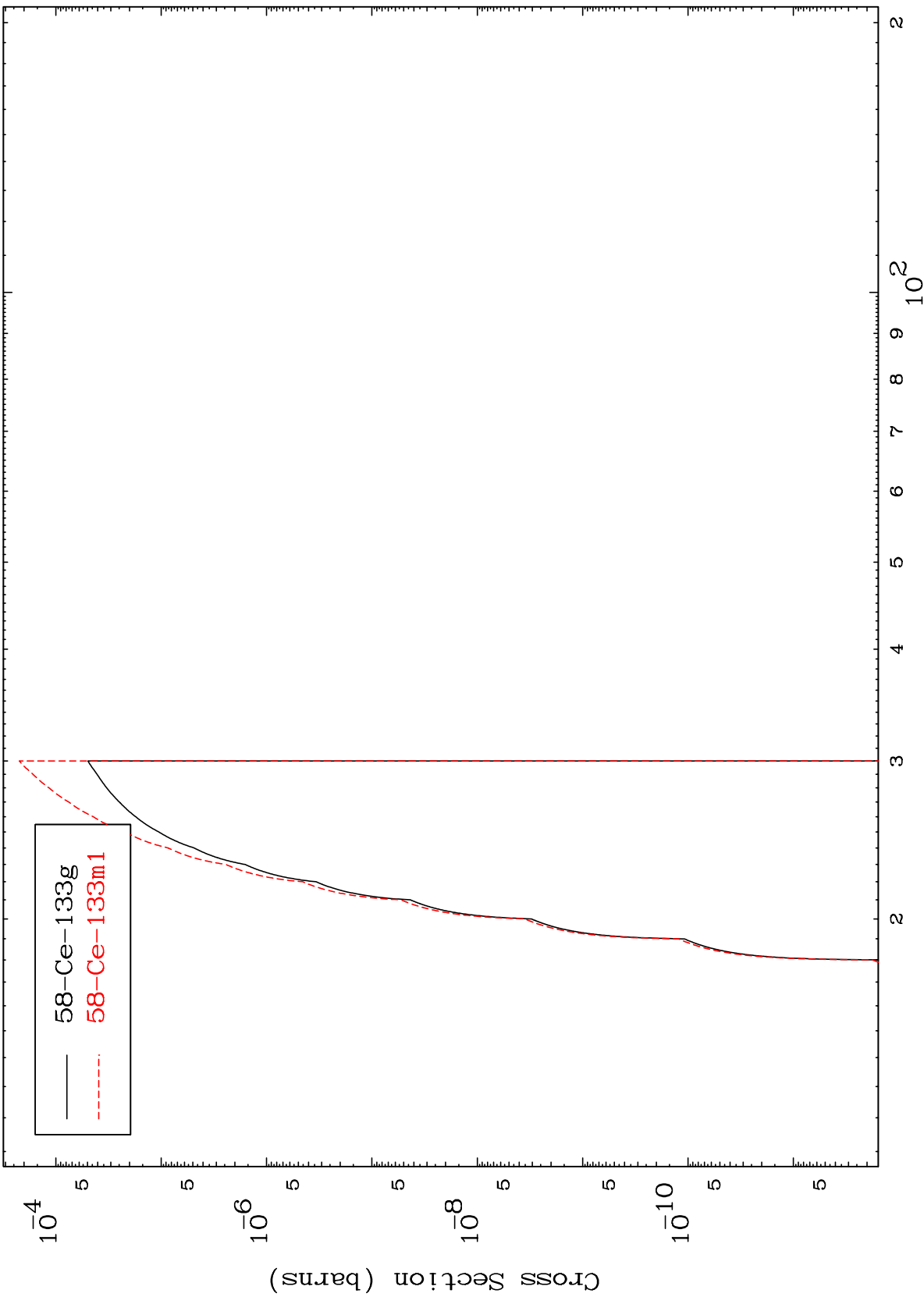


MAT 6007

(n,p) t

60-Nd-136

Radionuclide Production Cross Section



58-Ce-133g  
58-Ce-133m1