

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

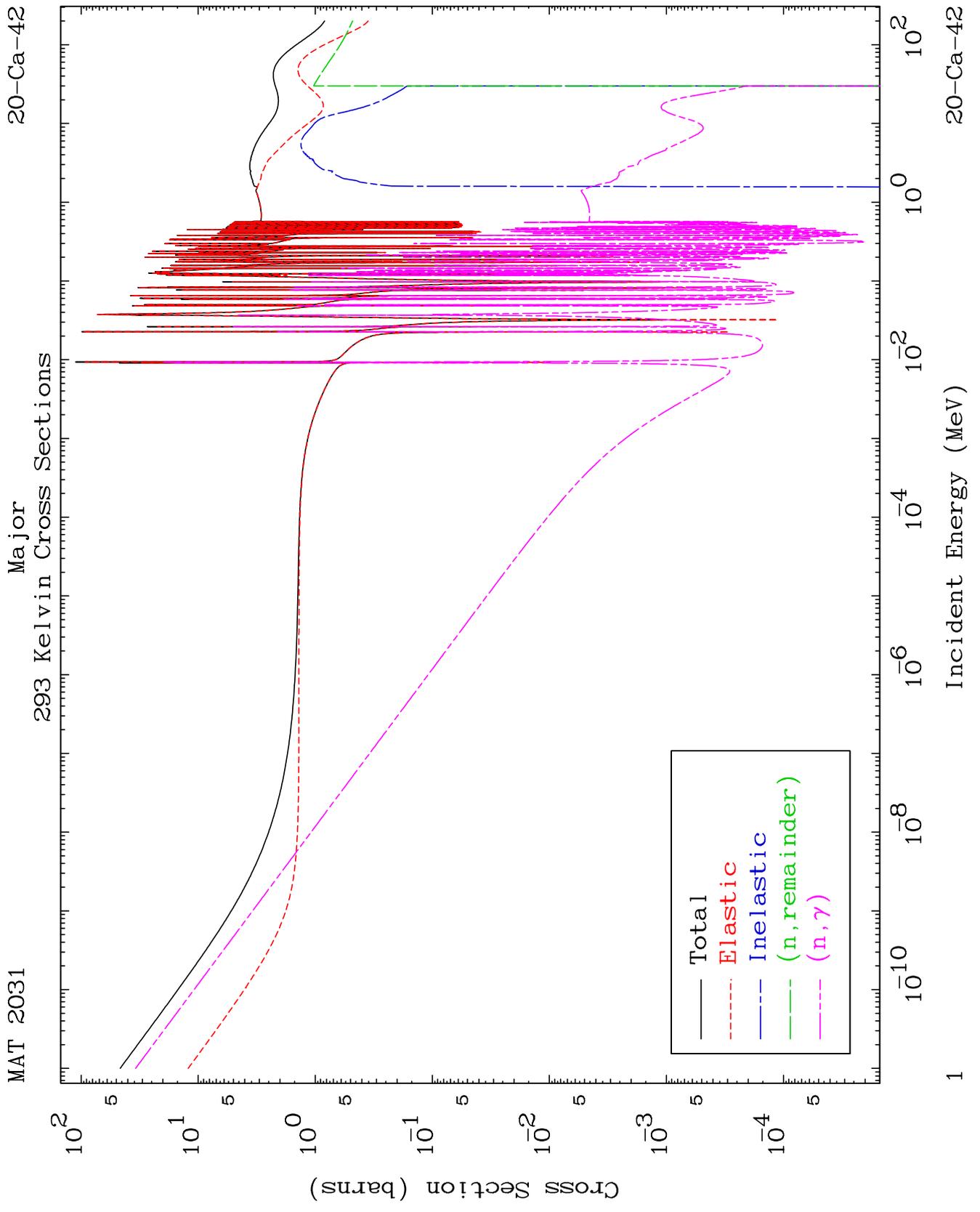
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

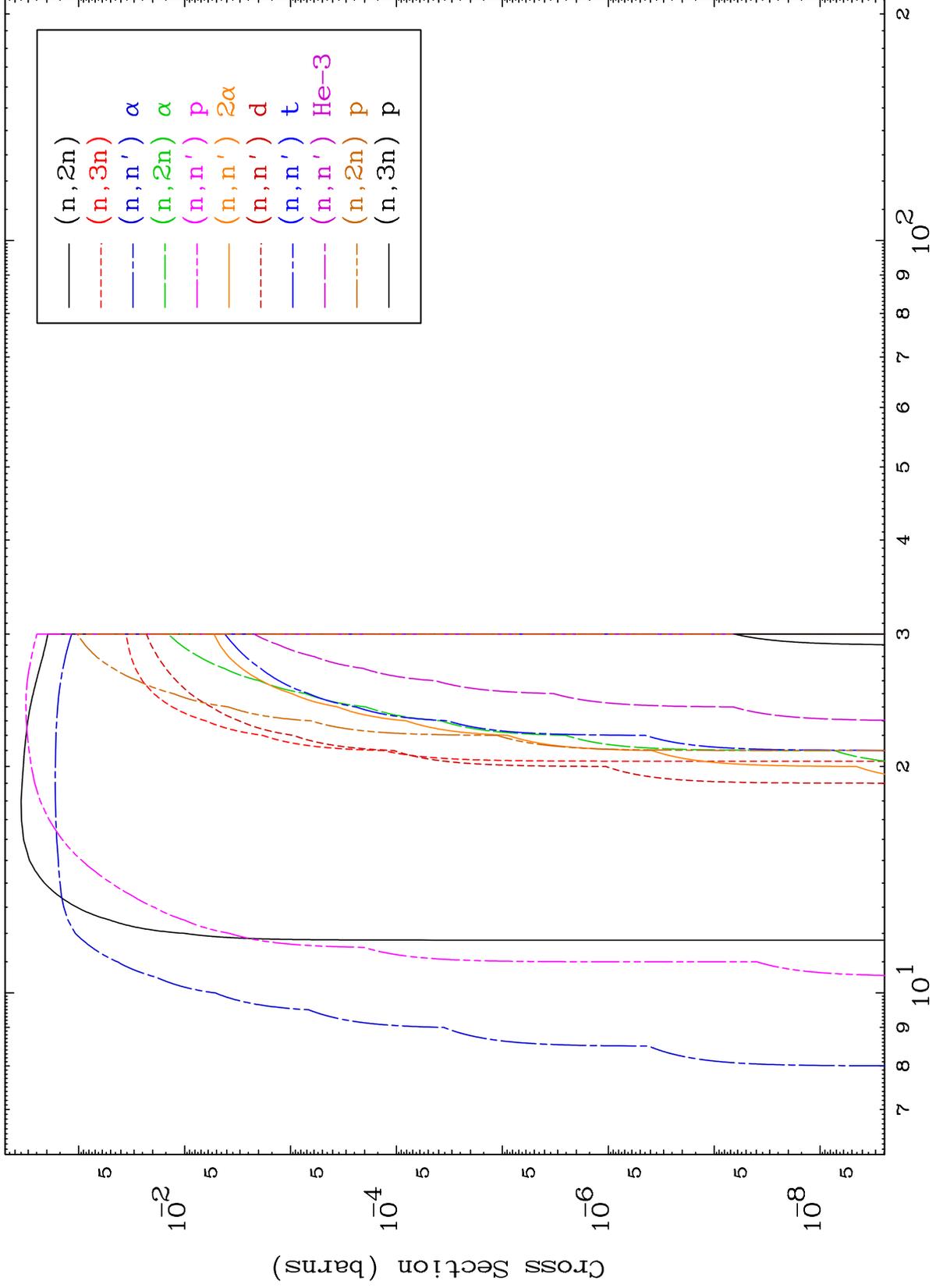
Press Mouse Button to Start



MAT 2031

Neutron Production  
293 Kelvin Cross Sections

20-Ca-42



2

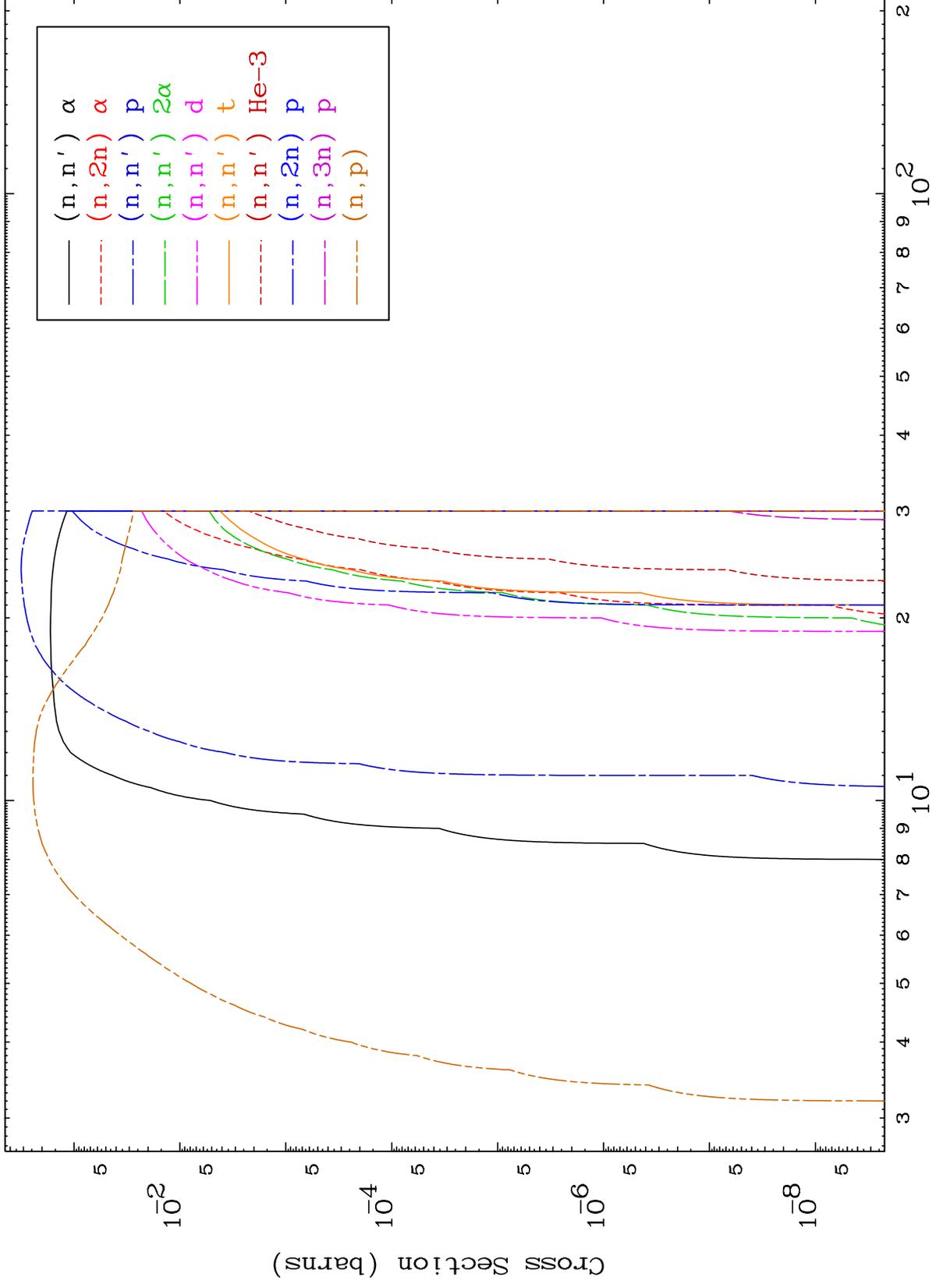
Incident Energy (MeV)

20-Ca-42

MAT 2031

Charged Particle  
293 Kelvin Cross Sections

20-Ca-42



3

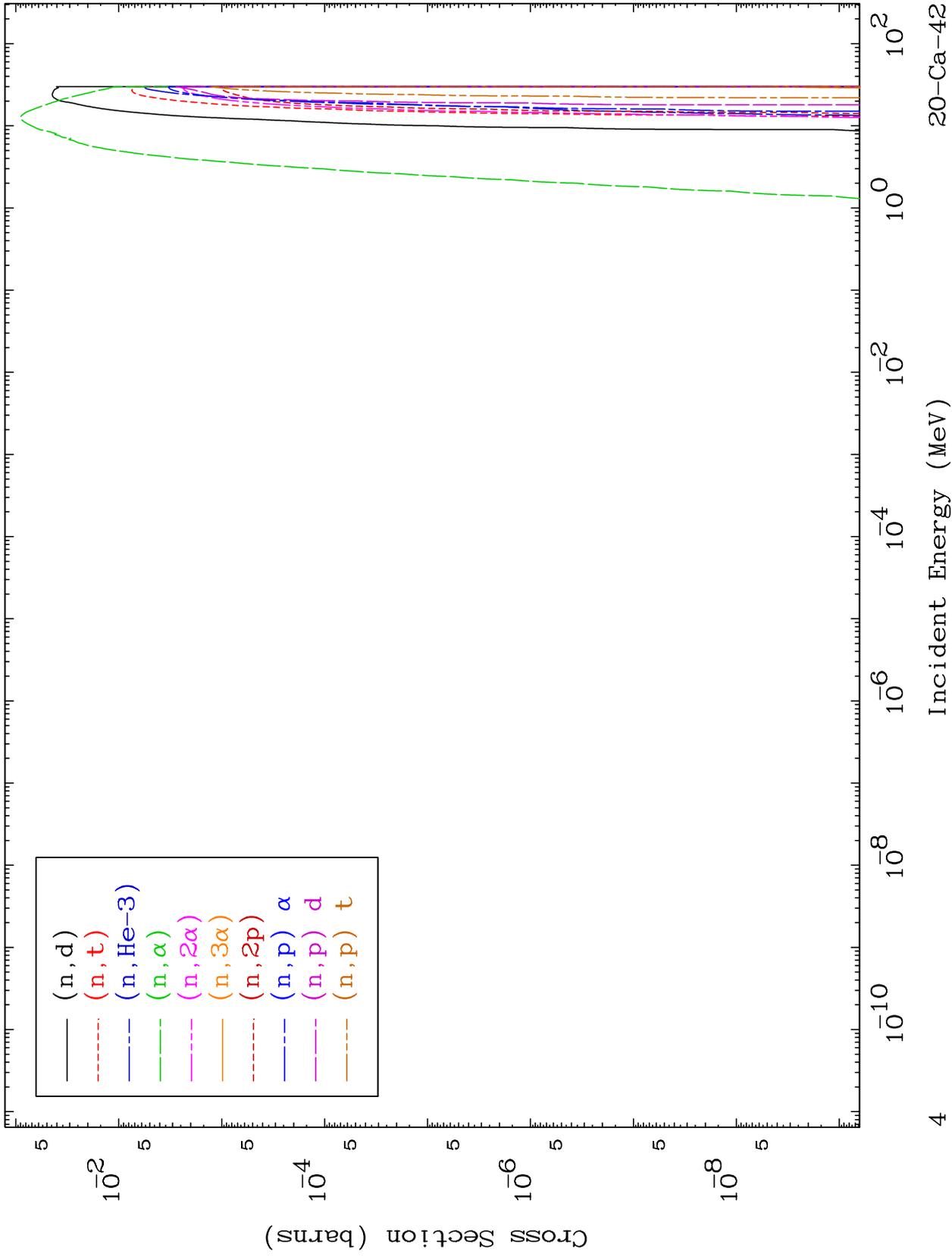
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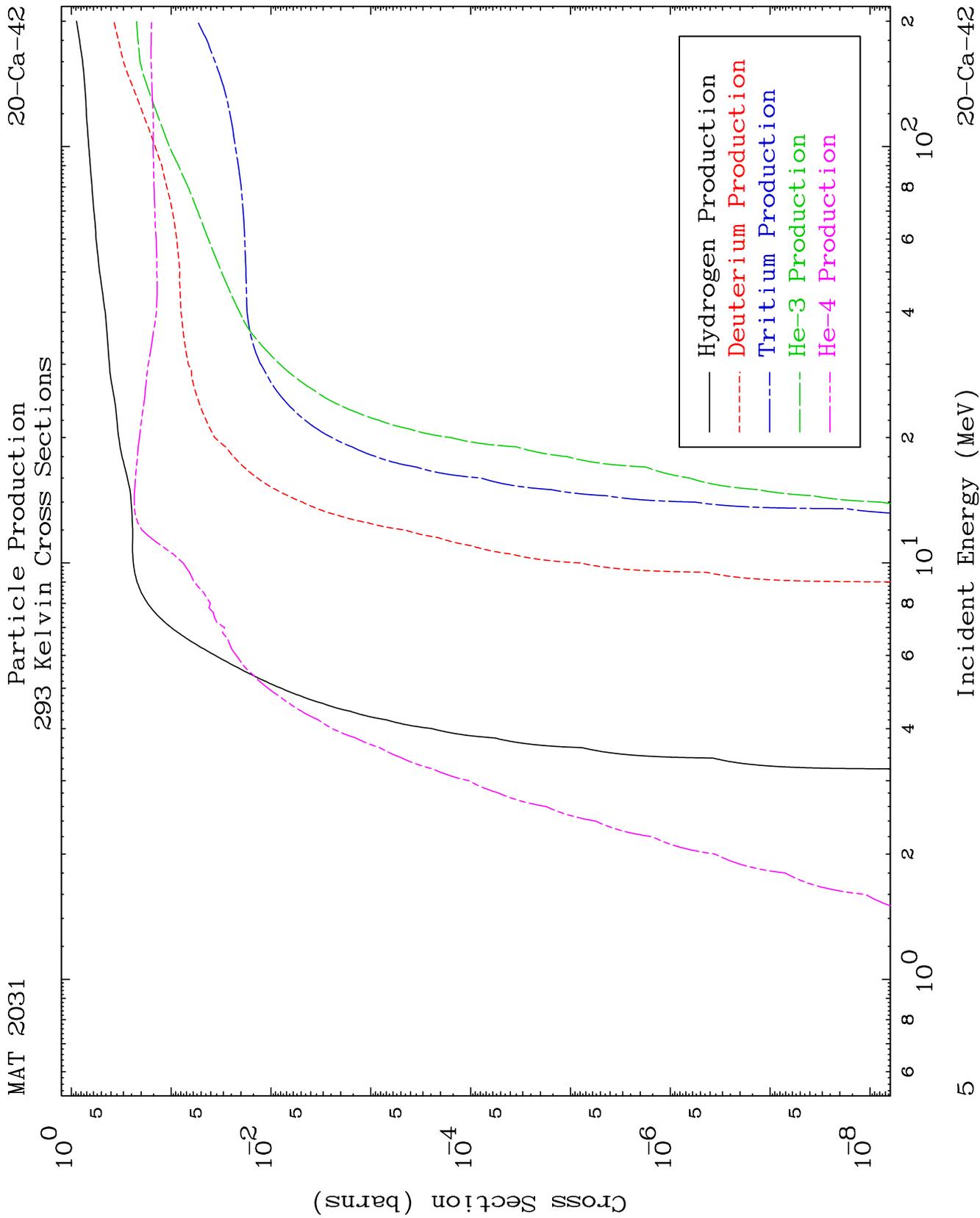
20-Ca-42

MAT 2031

Charged Particle  
293 Kelvin Cross Sections

20-Ca-42



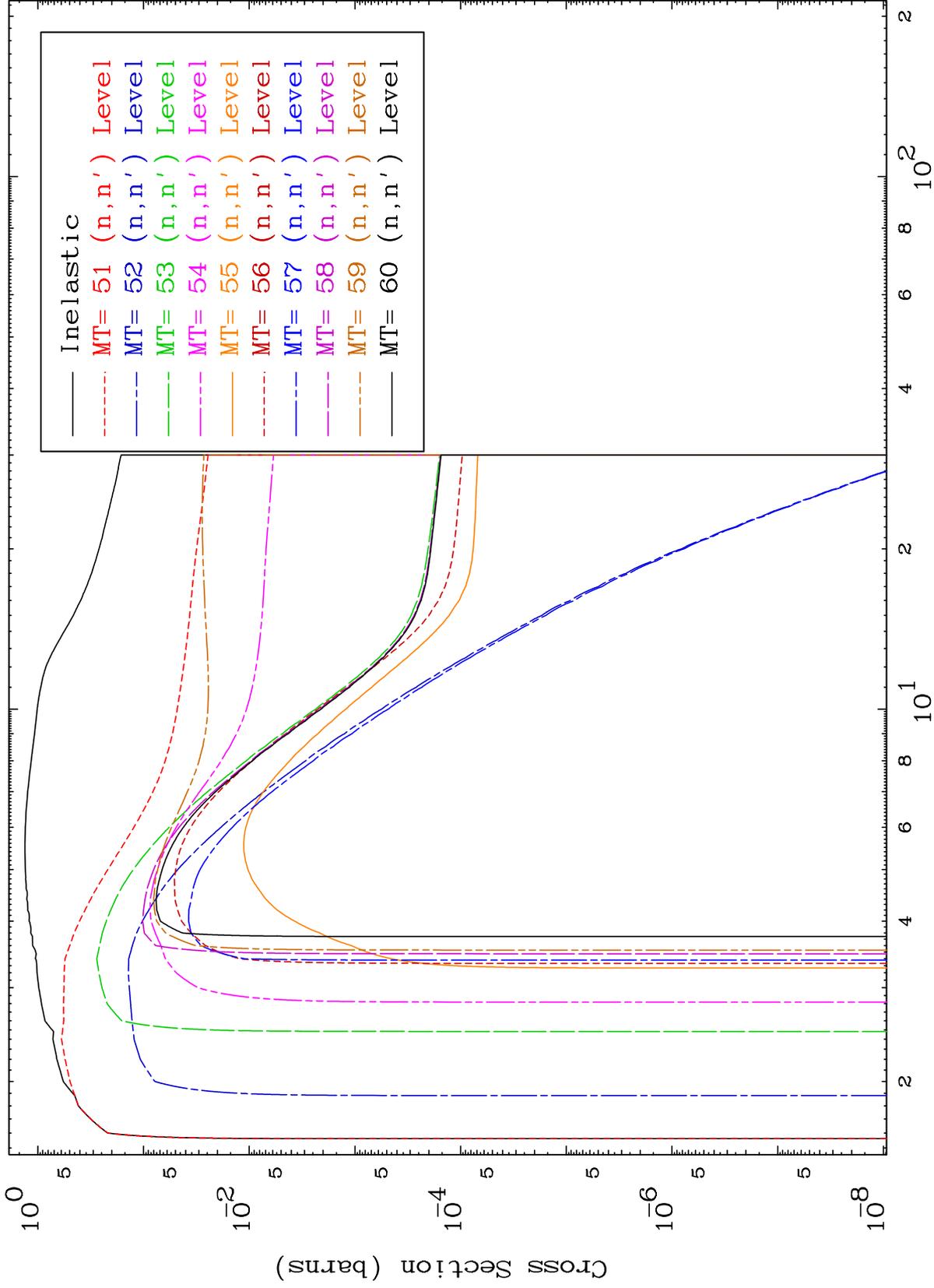


MAT 2031

(n,n') Level

20-Ca-42

293 Kelvin Cross Sections



Incident Energy (MeV)

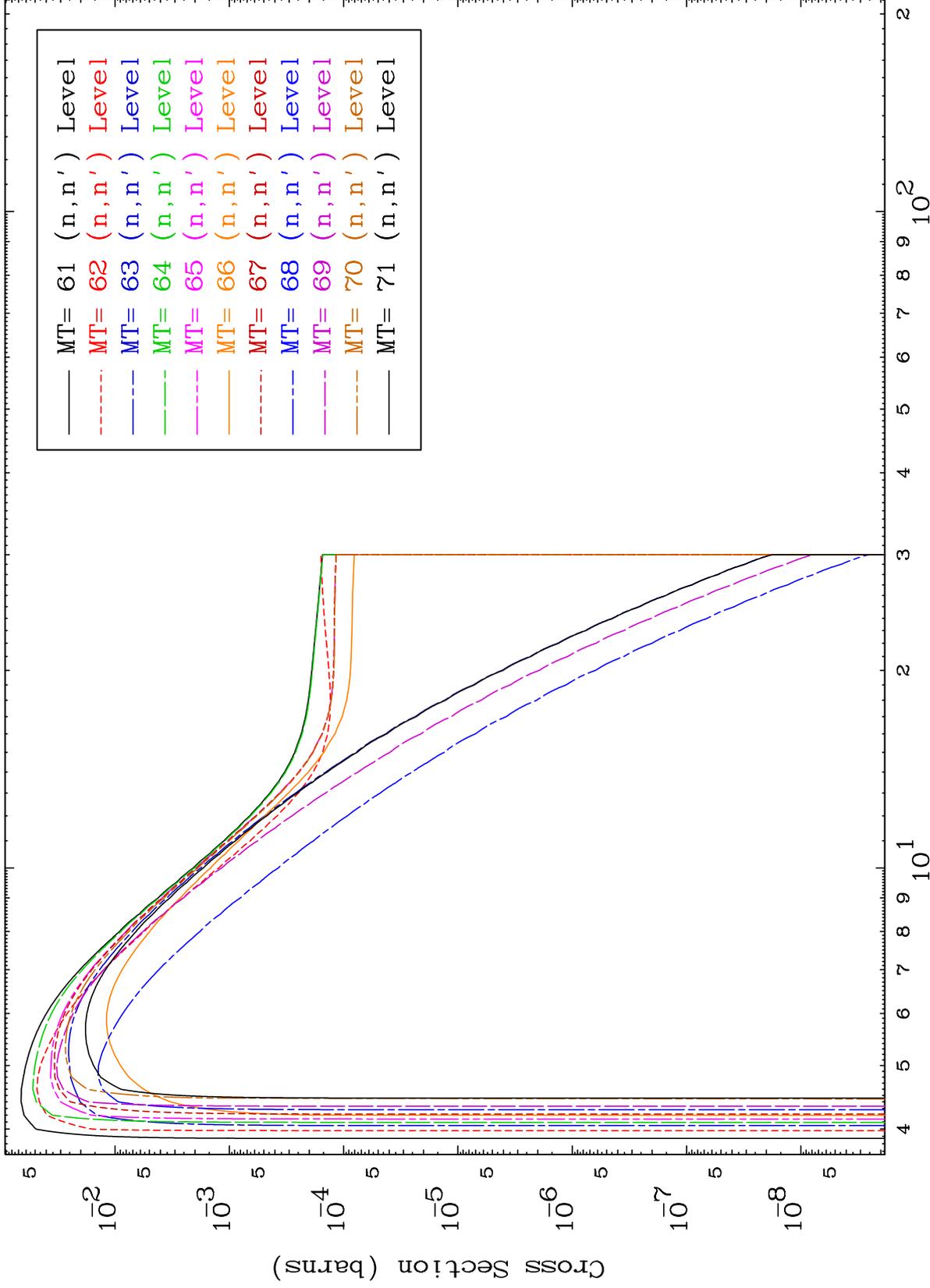
20-Ca-42

MAT 2031

(n,n') Level

20-Ca-42

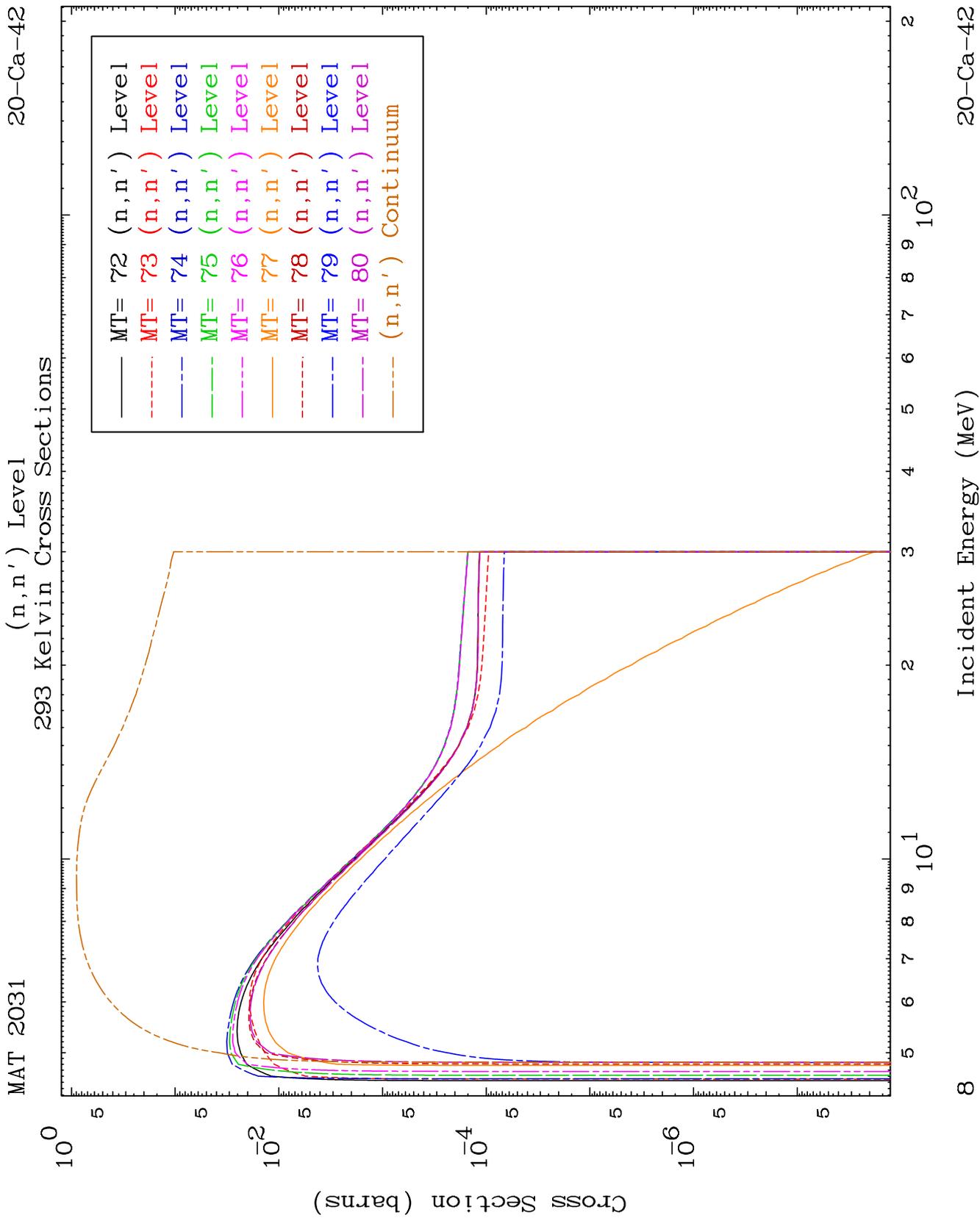
293 Kelvin Cross Sections



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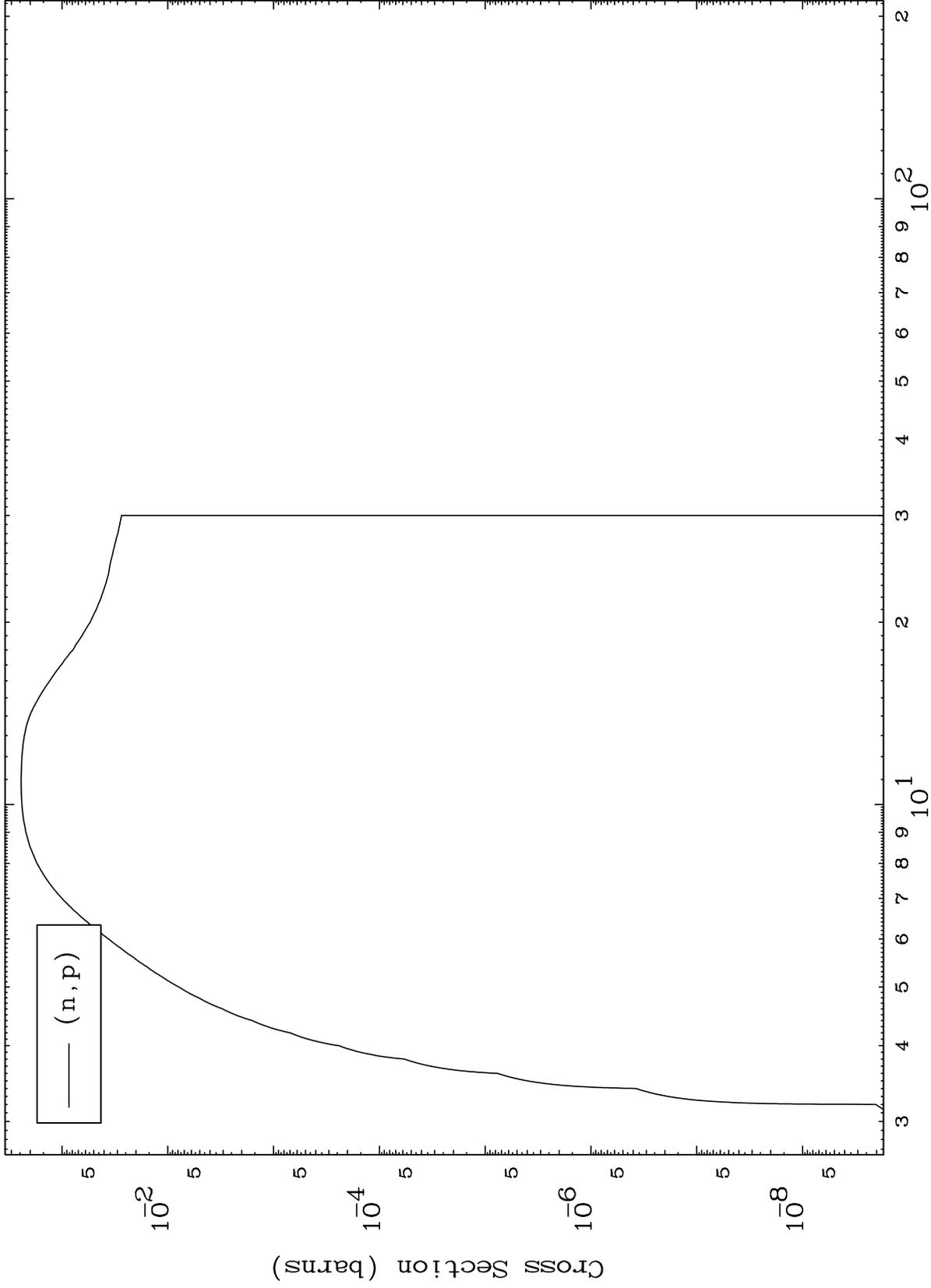
20-Ca-42



MAT 2031

(n,p) Levels  
293 Kelvin Cross Sections

20-Ca-42



9

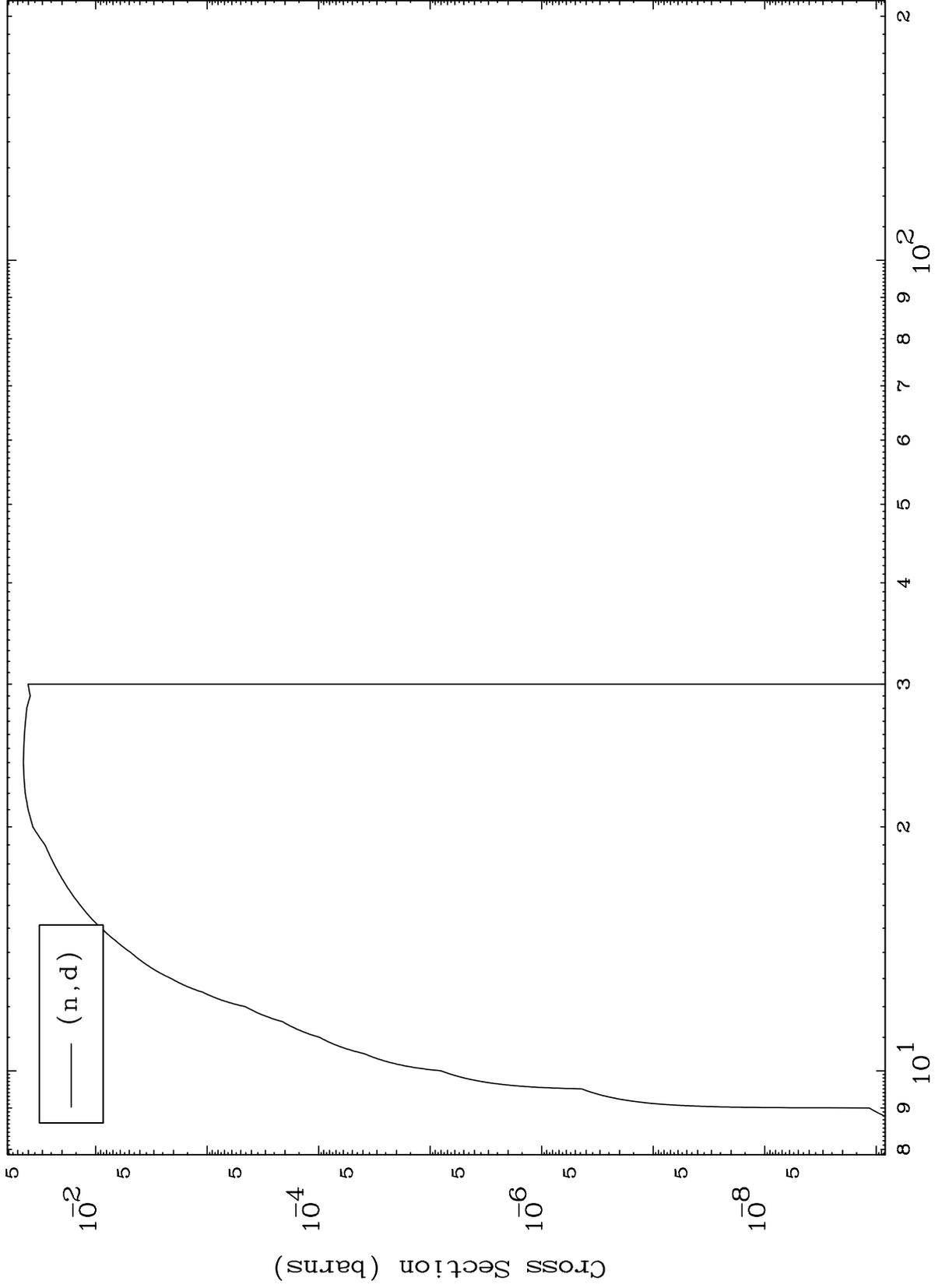
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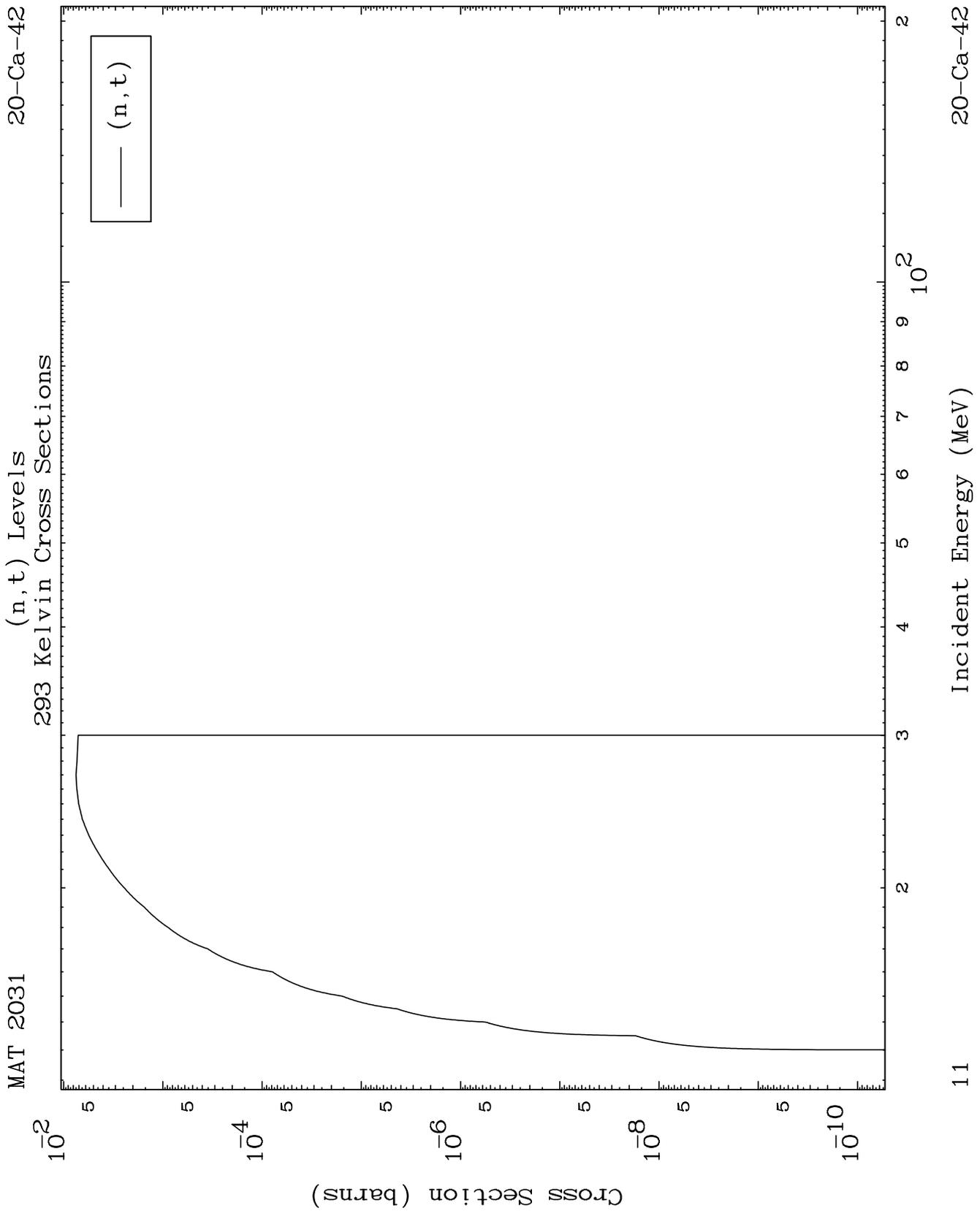
MAT 2031

(n,d) Levels  
293 Kelvin Cross Sections

20-Ca-42



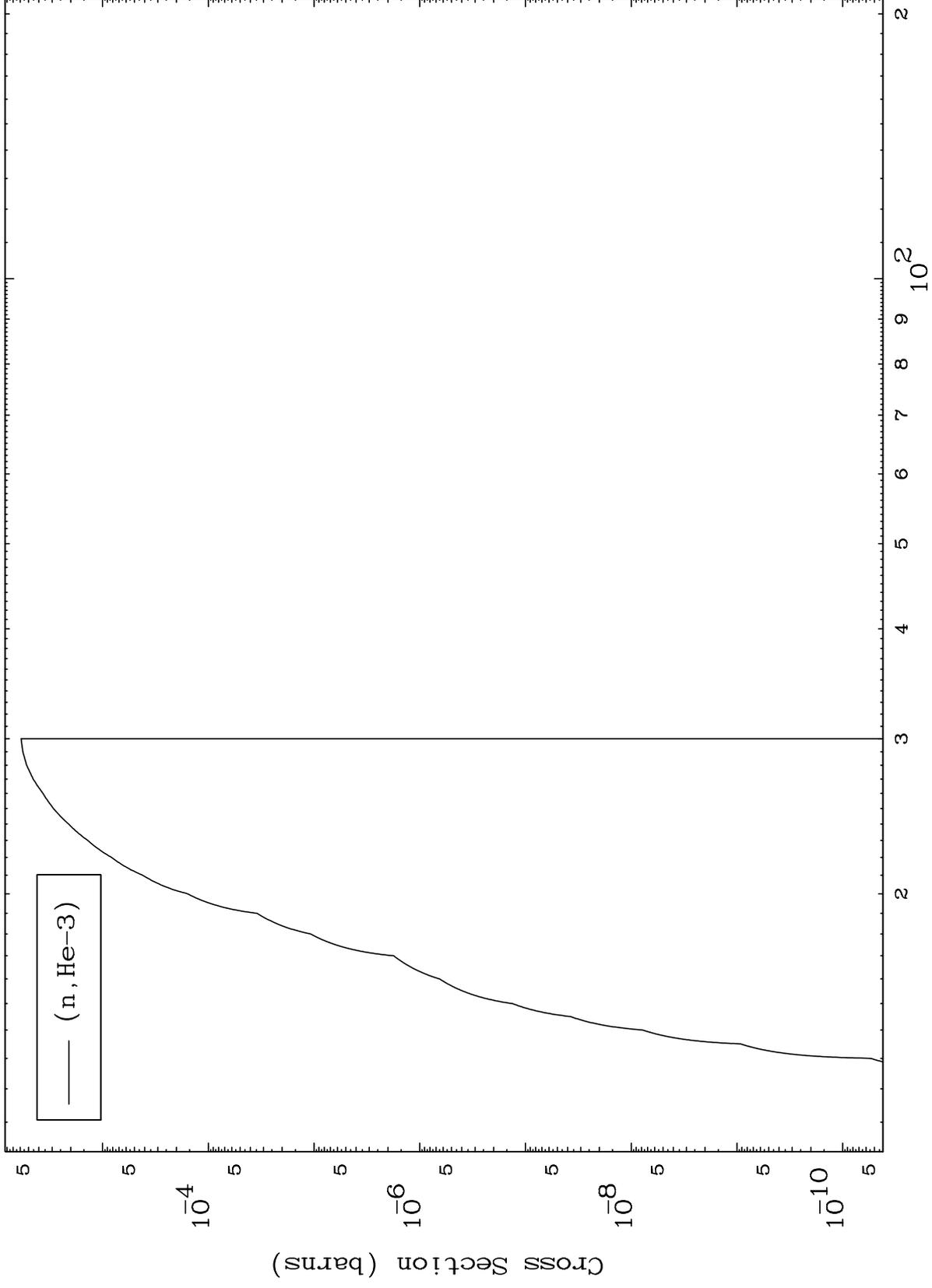
20-Ca-42



MAT 2031

(n,He3) Levels  
293 Kelvin Cross Sections

20-Ca-42



12

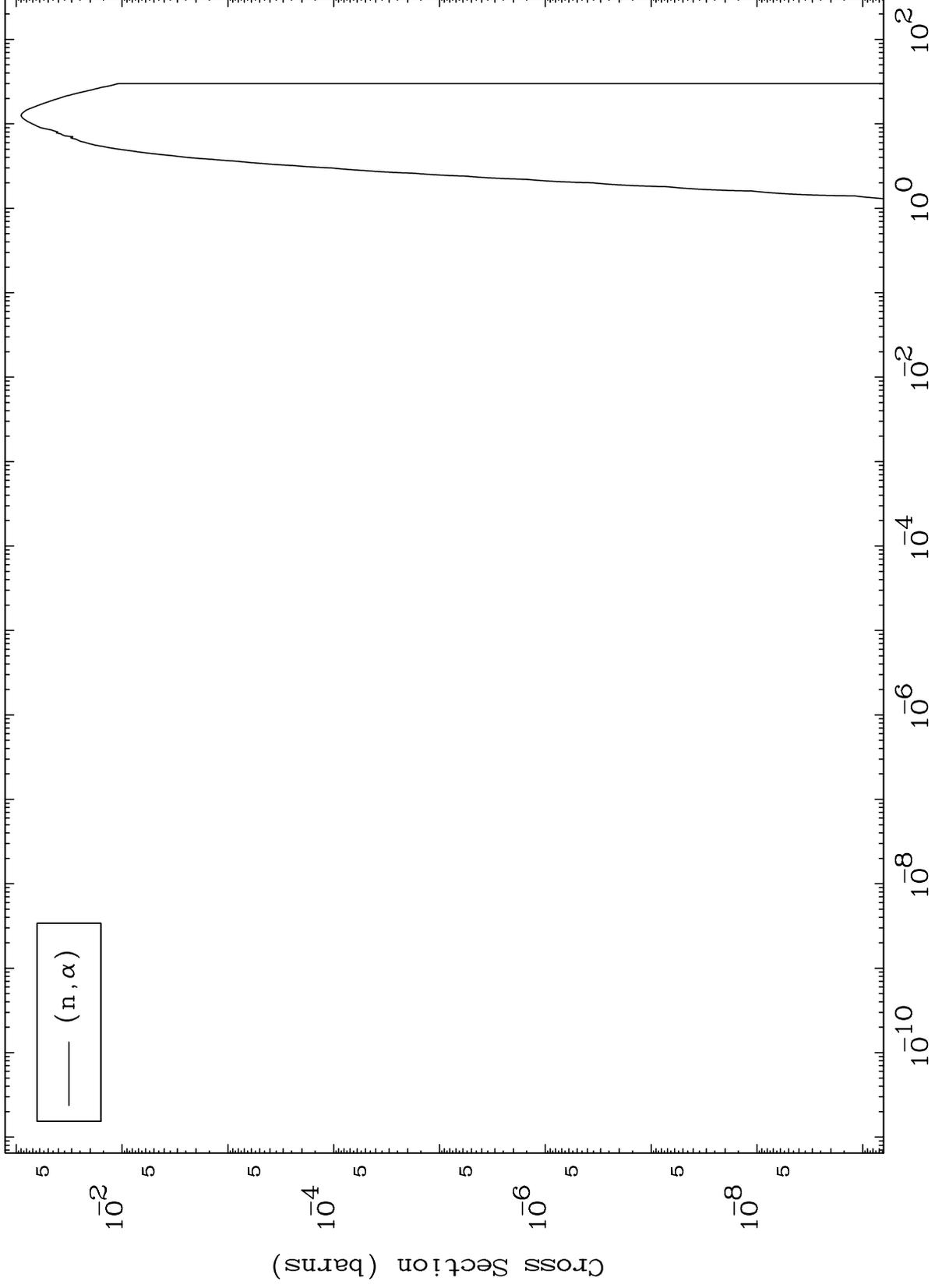
Incident Energy (MeV)

20-Ca-42

MAT 2031

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

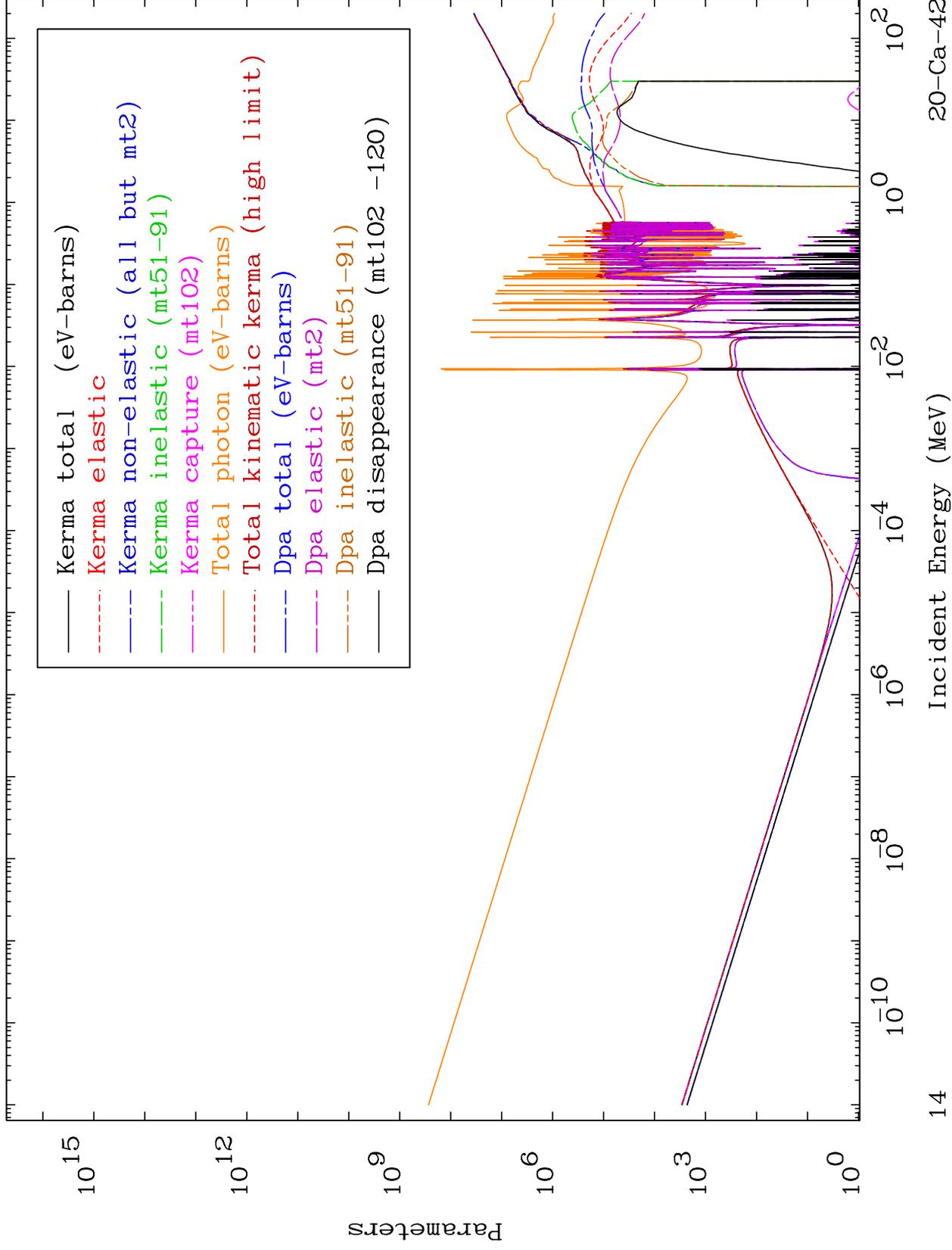
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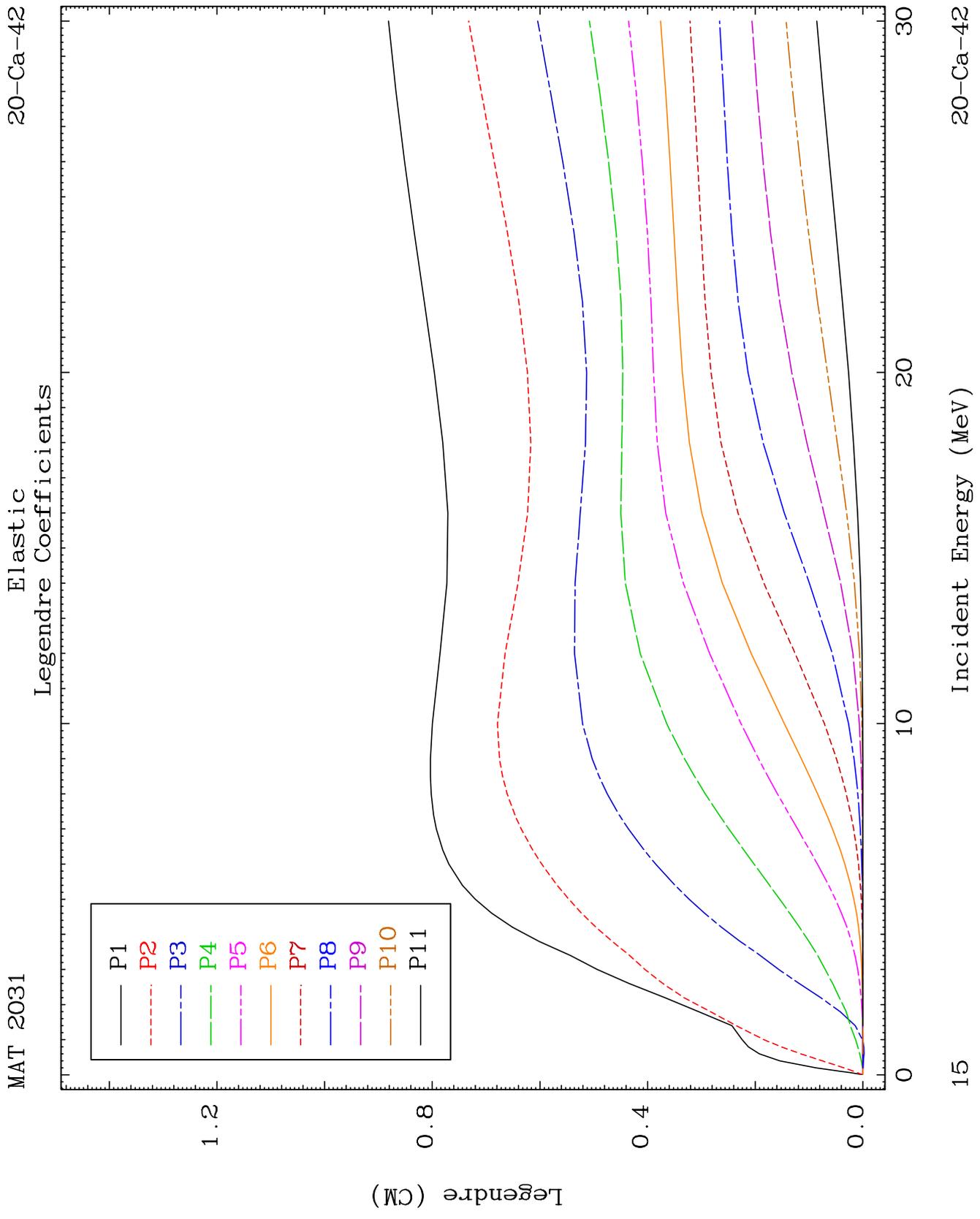


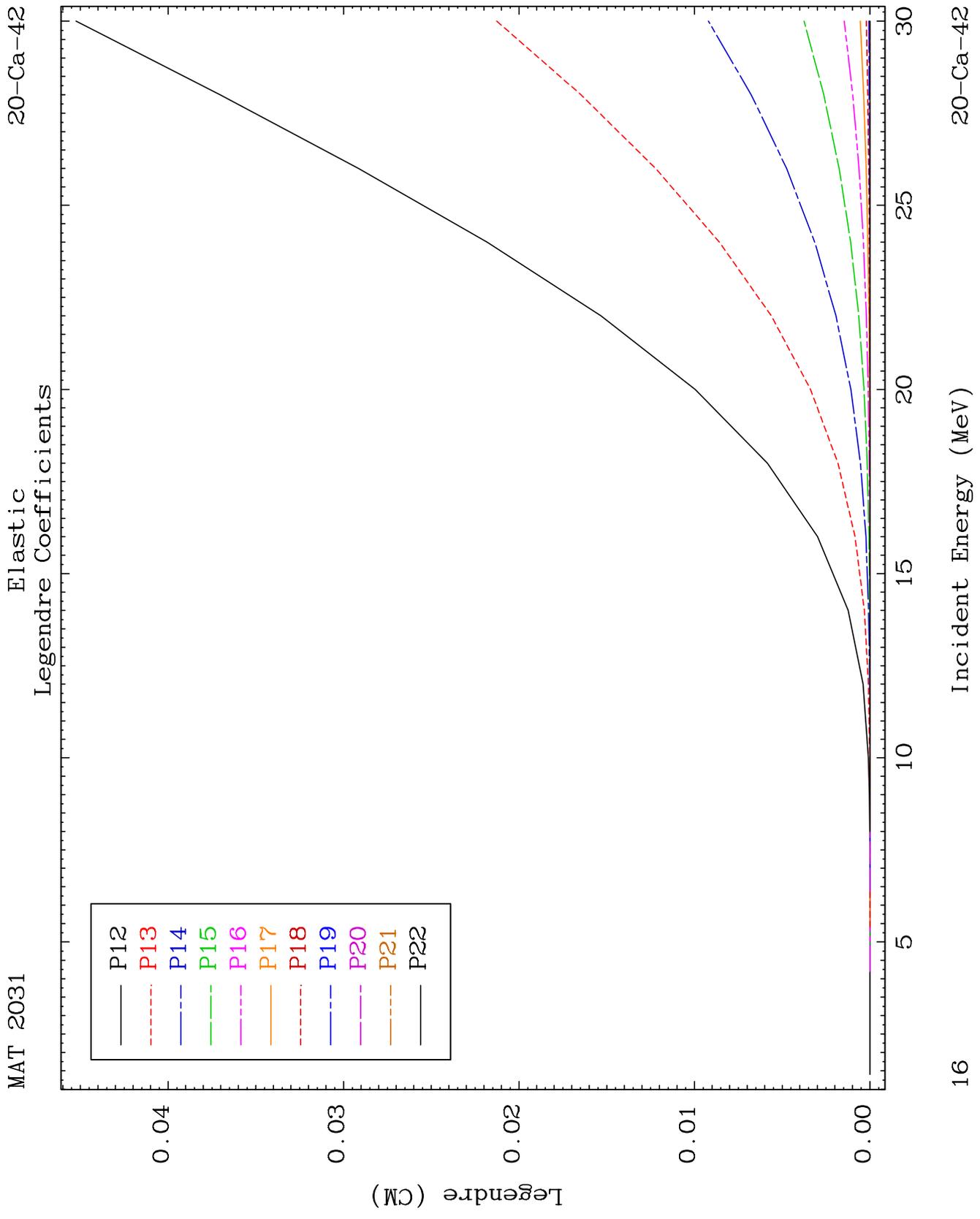
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Incident Energy (MeV)

20-Ca-42



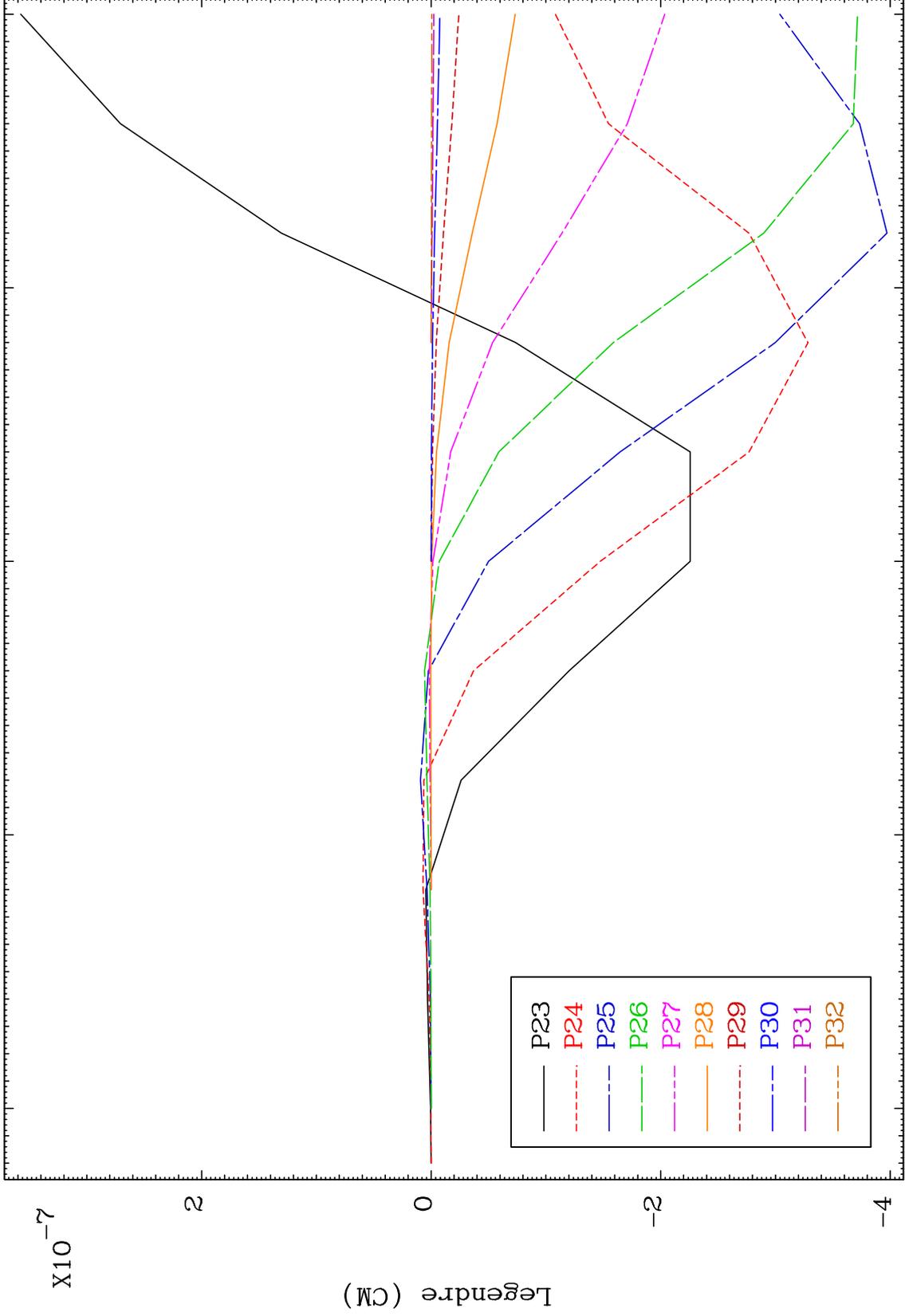




MAT 2031

Elastic Legendre Coefficients

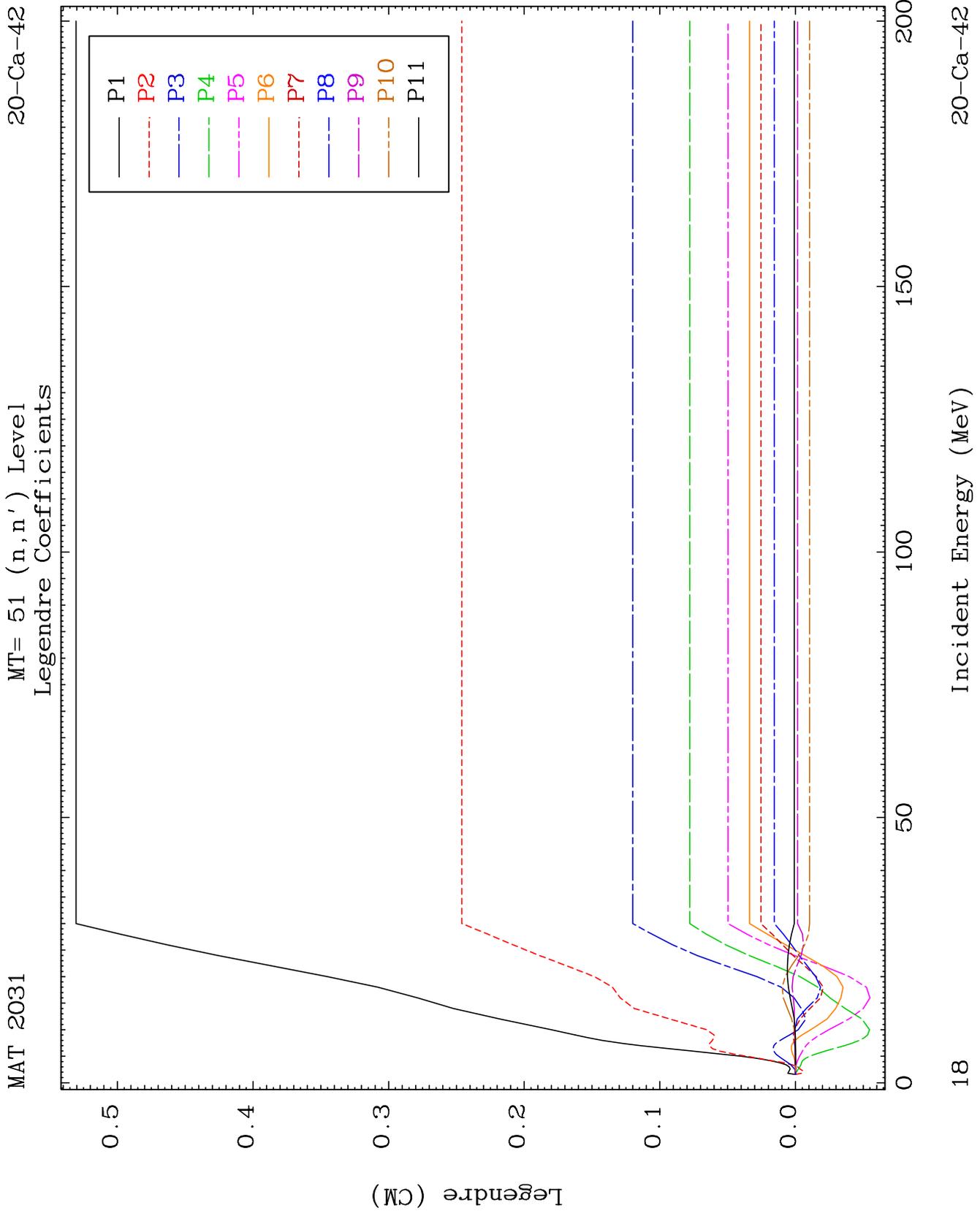
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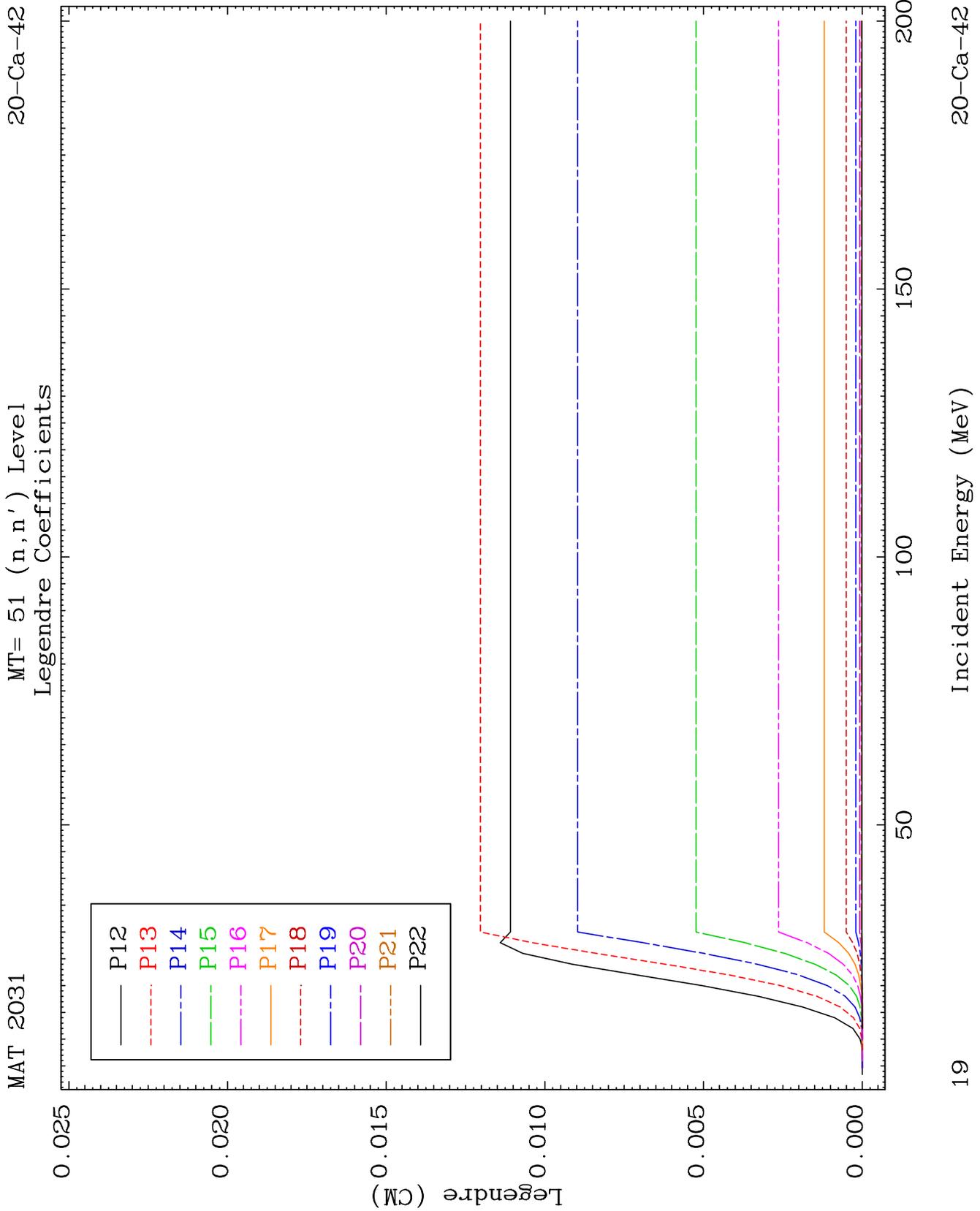


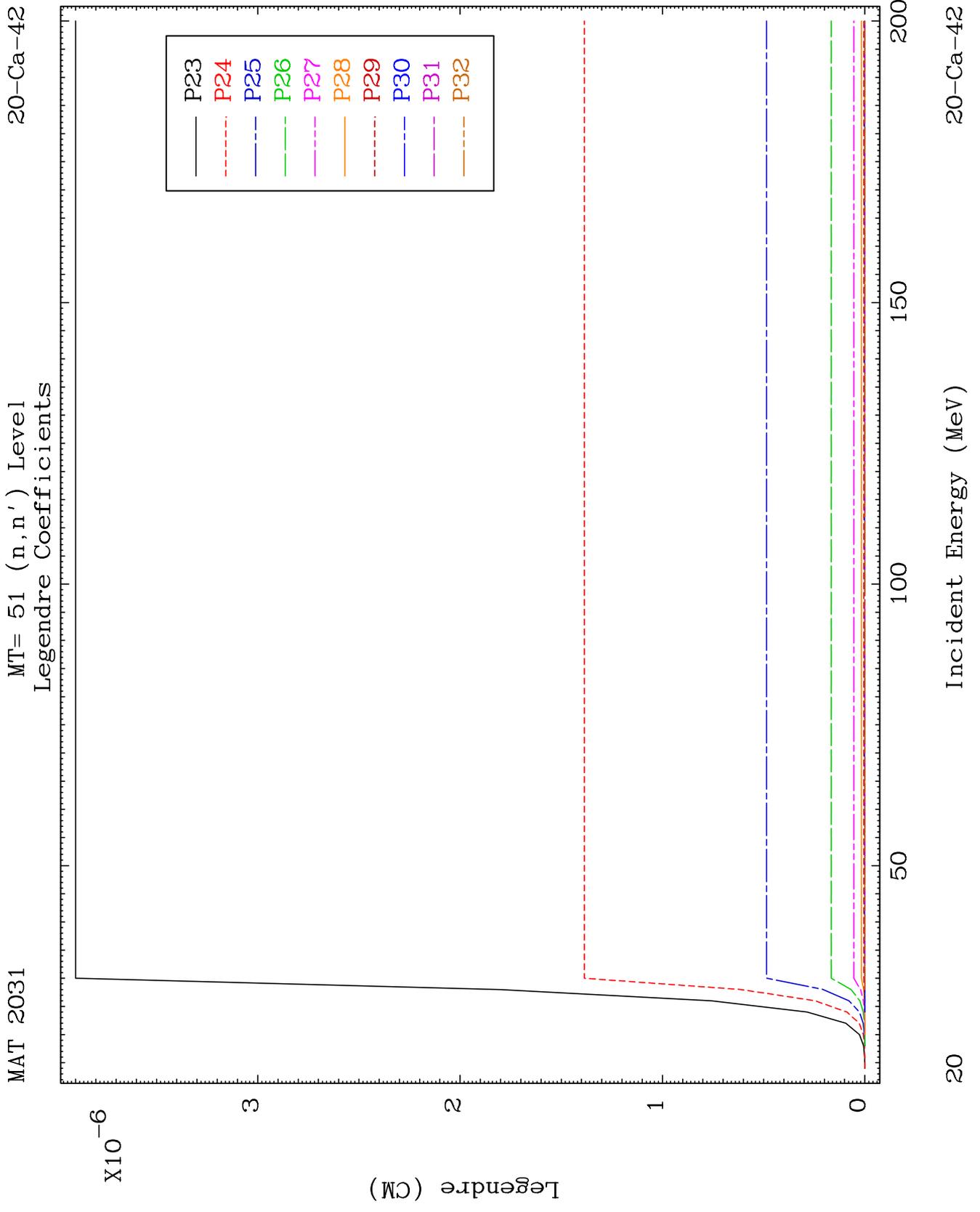
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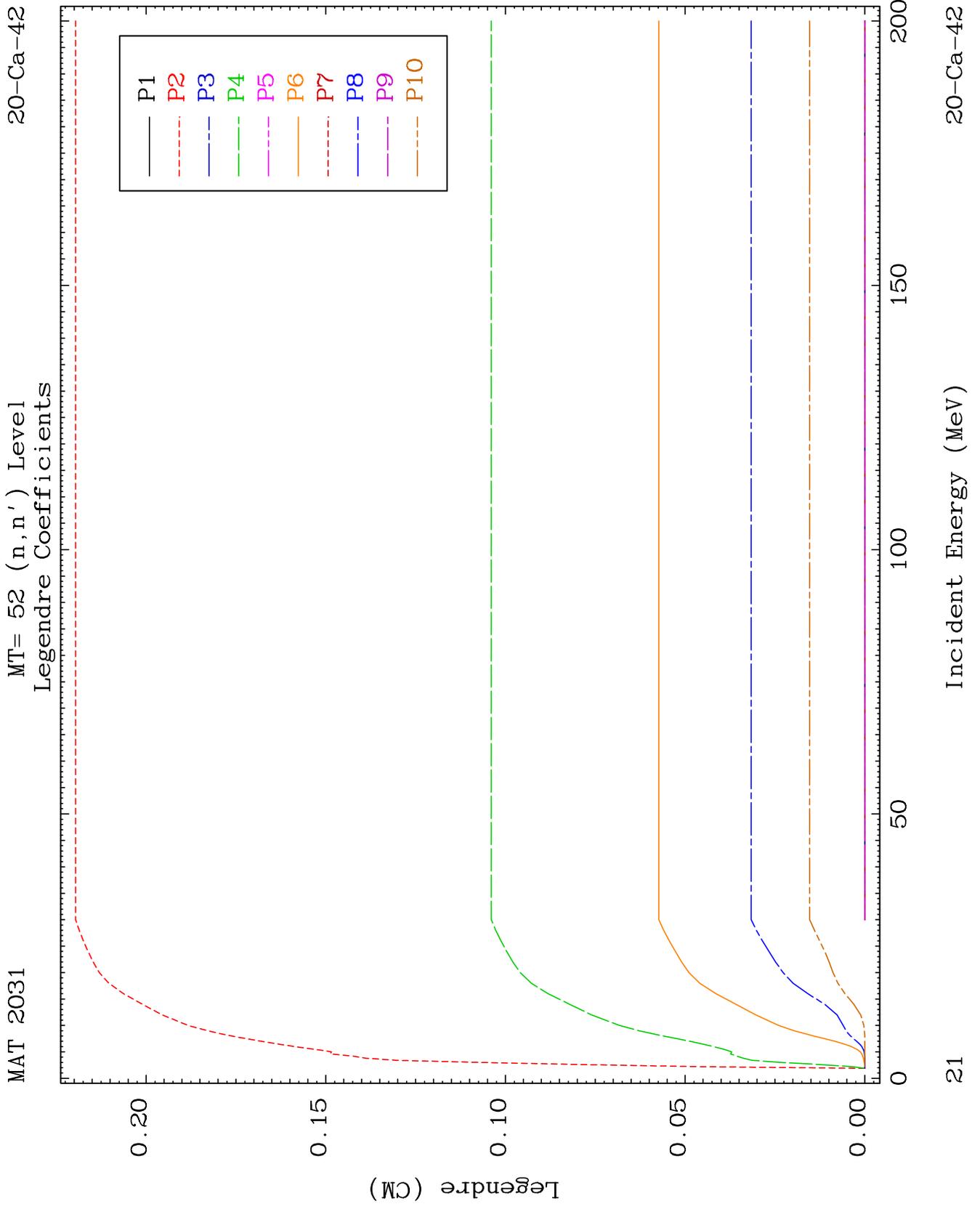
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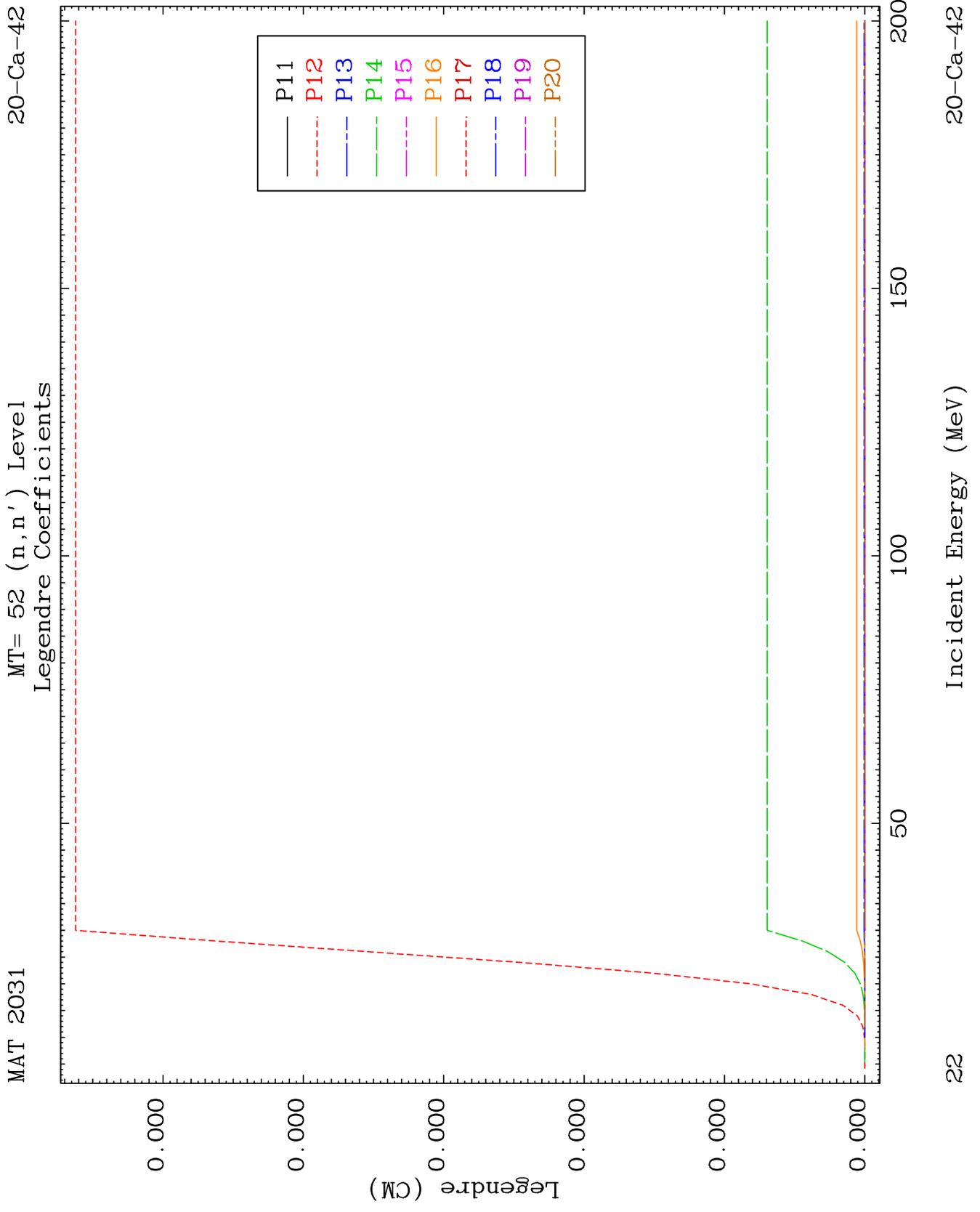
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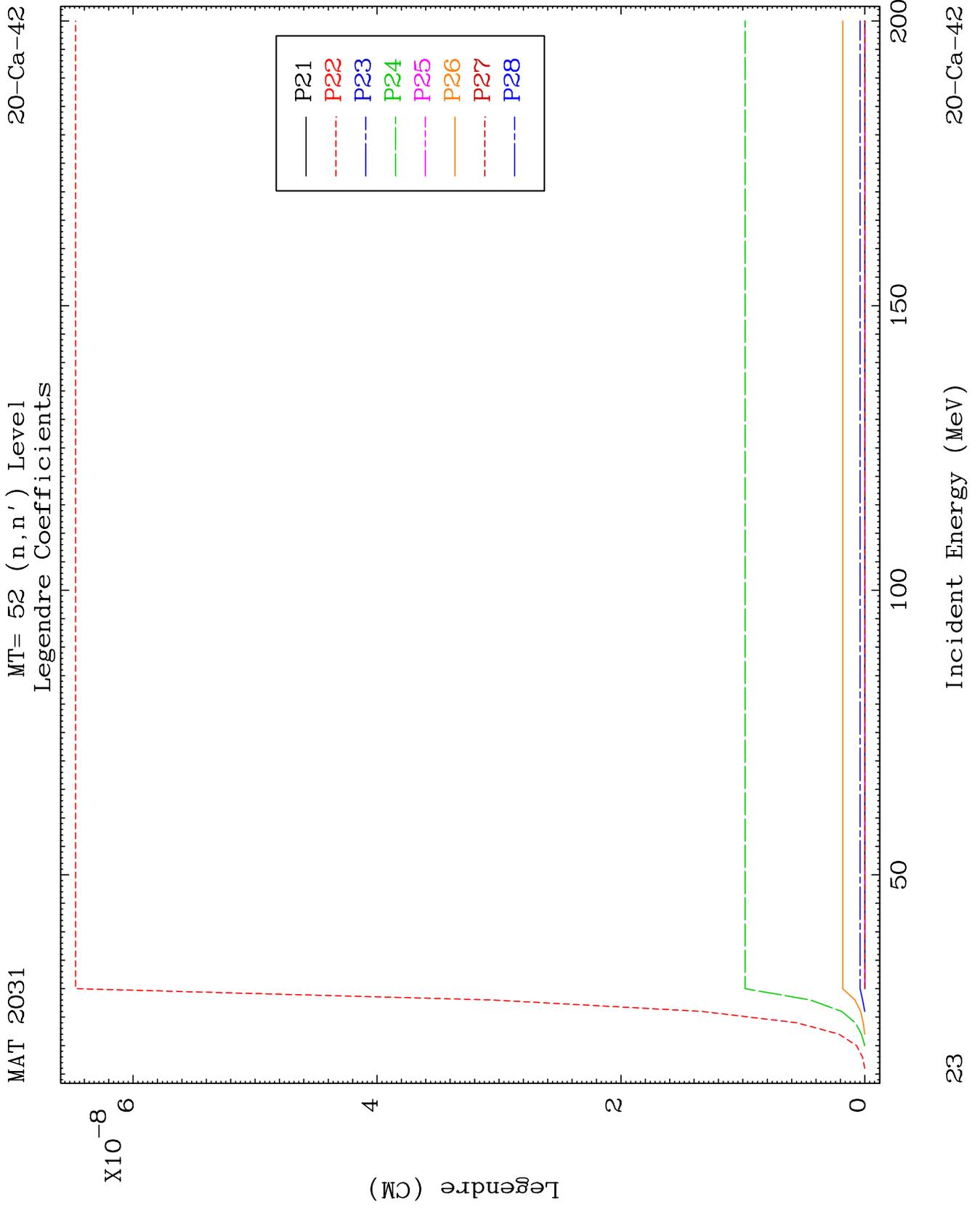


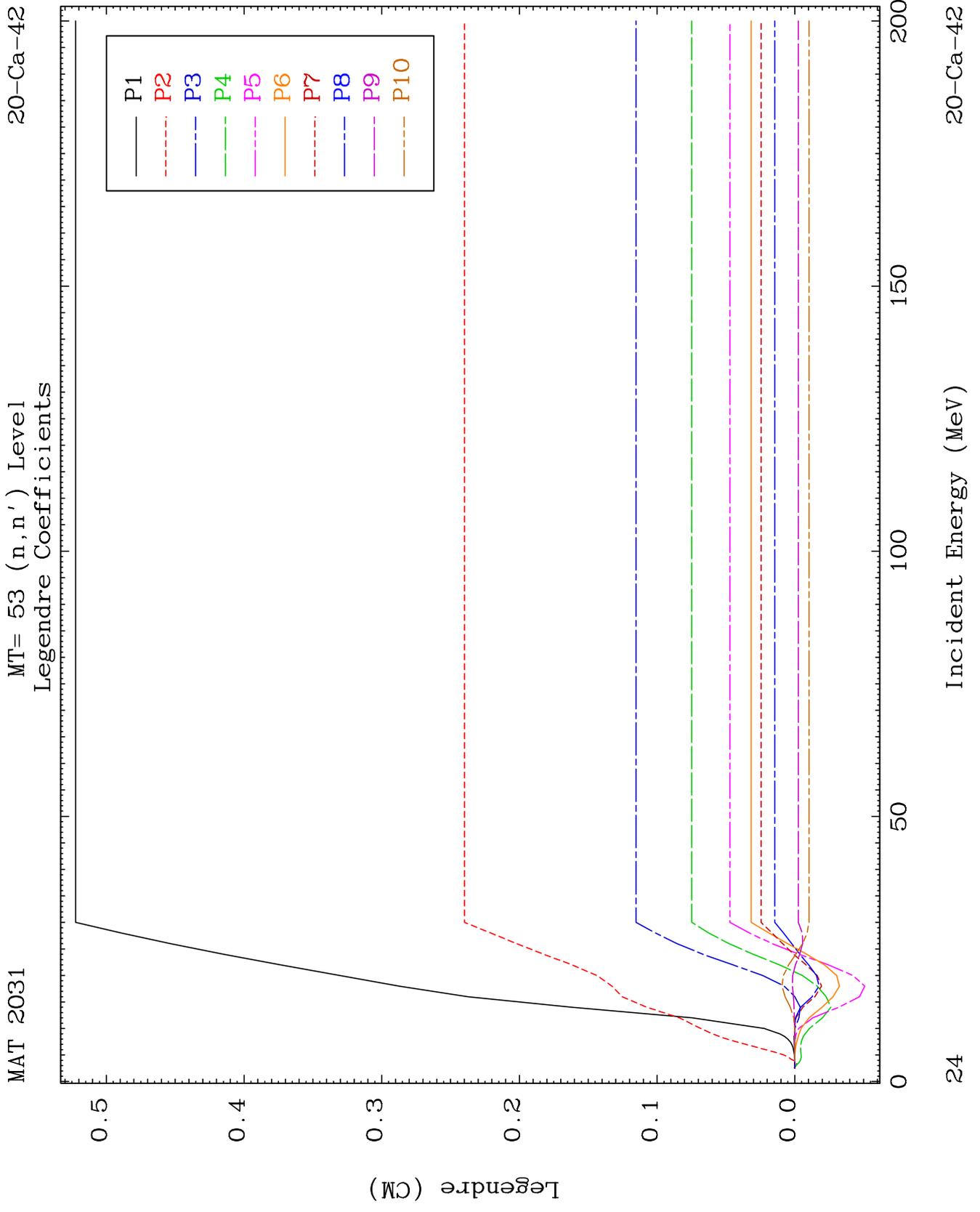




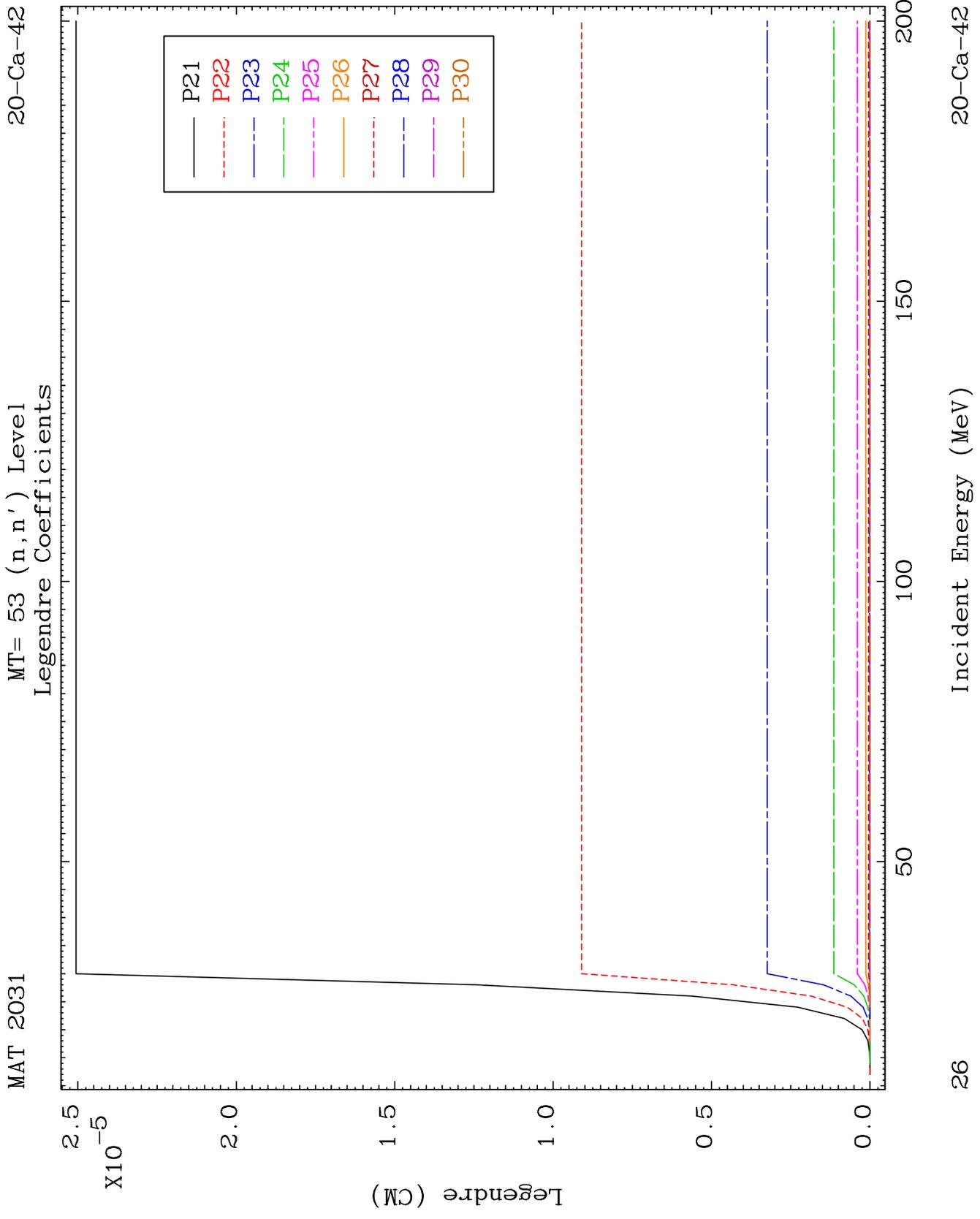








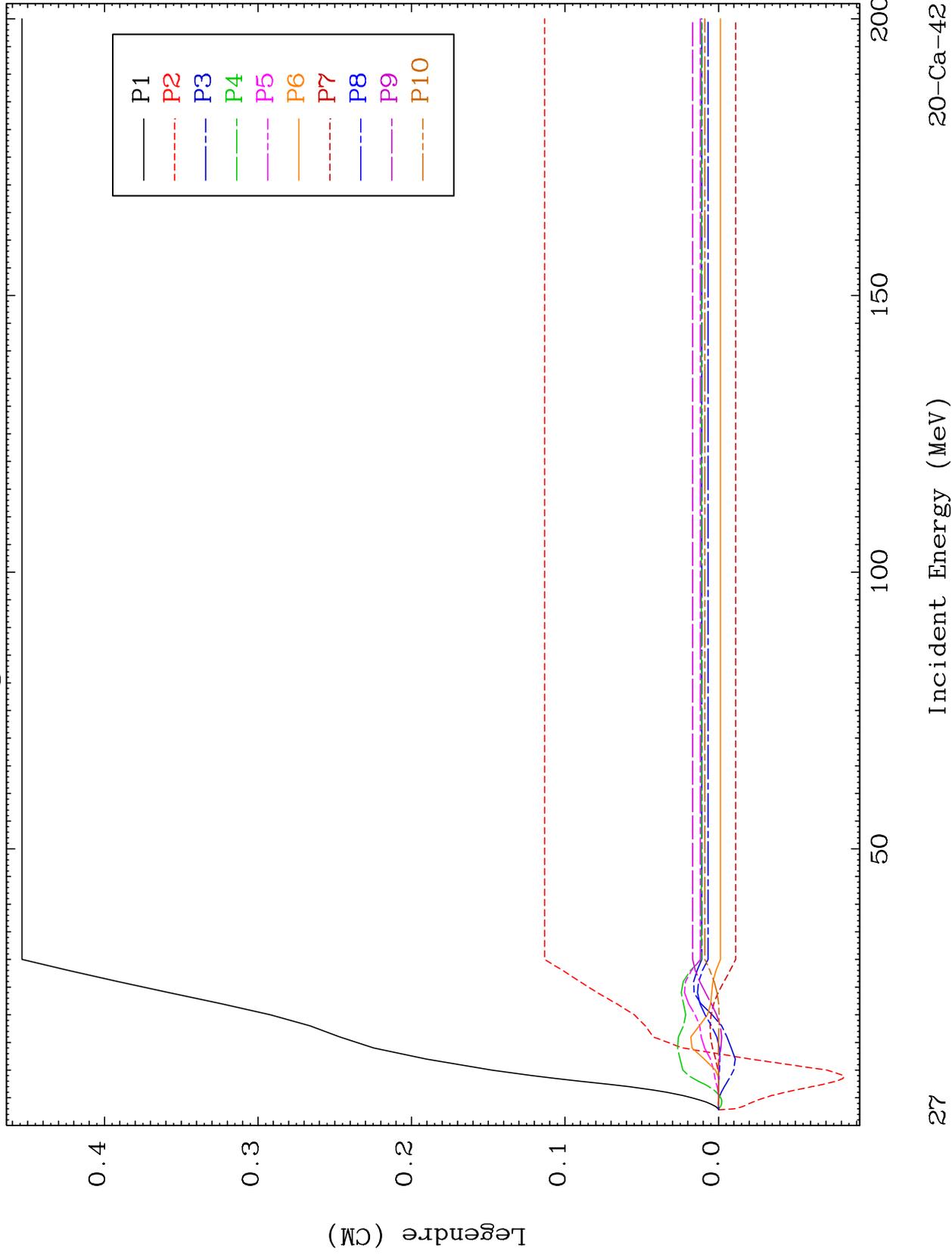




MAT 2031

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

20-Ca-42



27

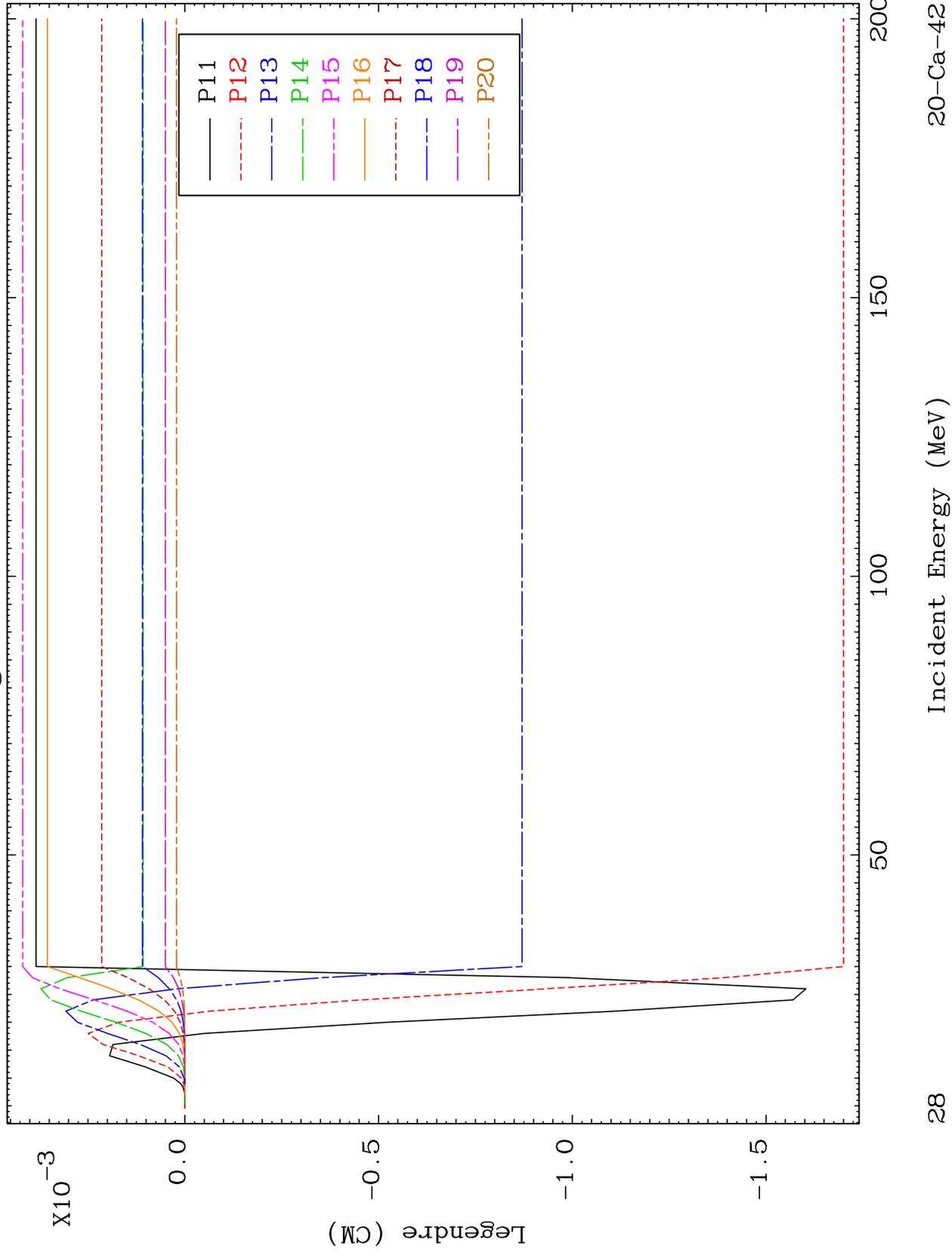
Incident Energy (MeV)

20-Ca-42

MAT 2031

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

20-Ca-42



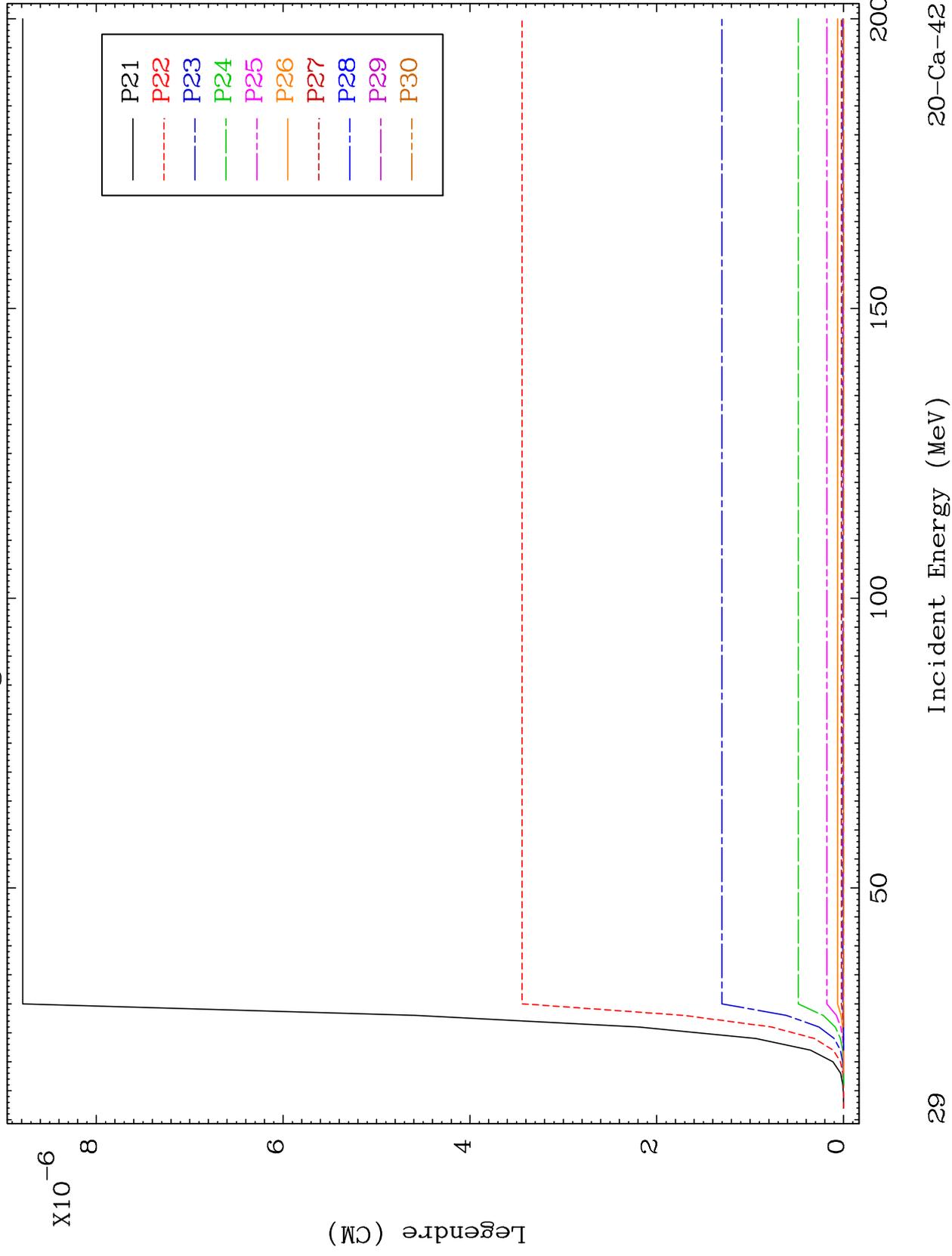
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20-Ca-42

MAT 2031

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

20-Ca-42



29

Incident Energy (MeV)

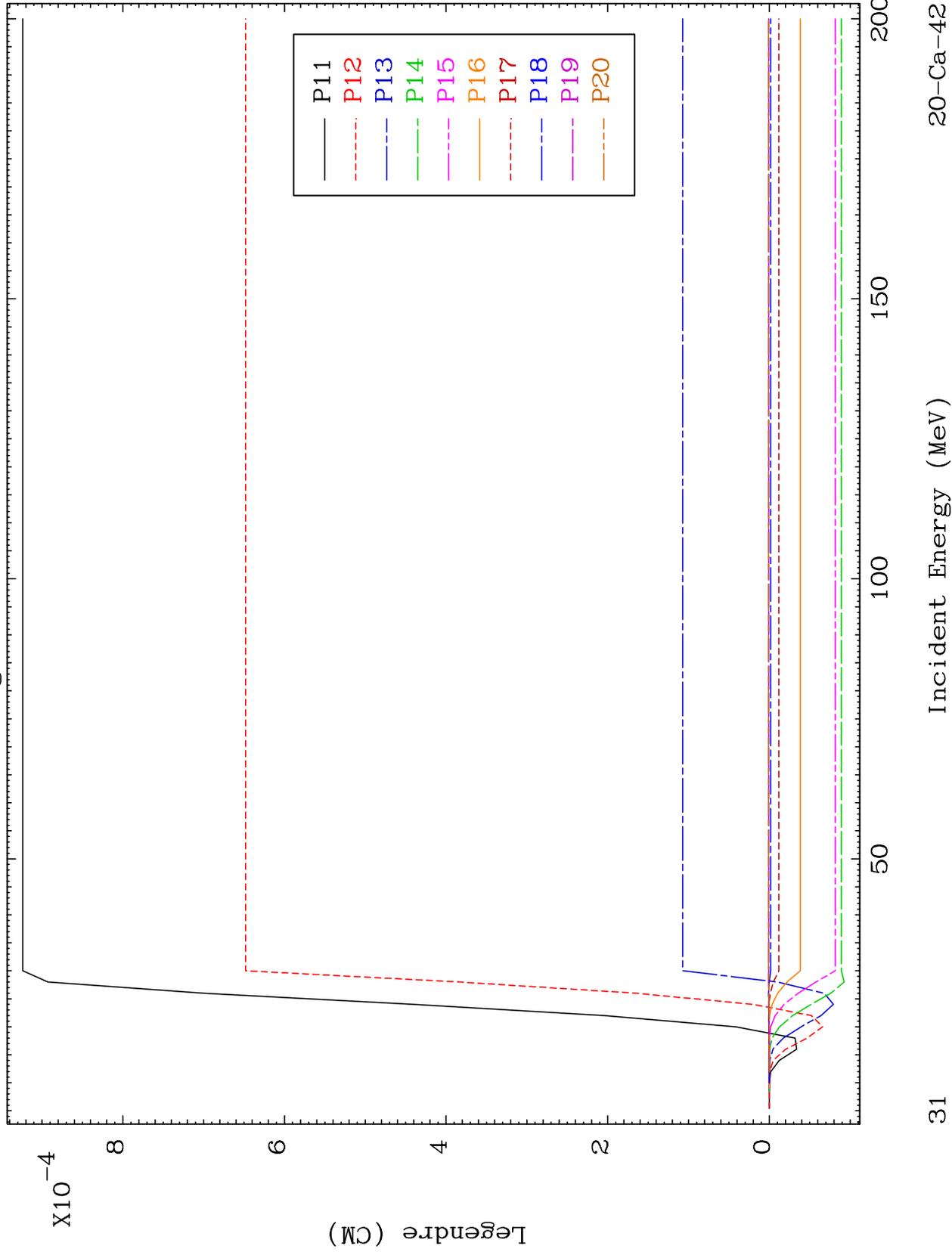
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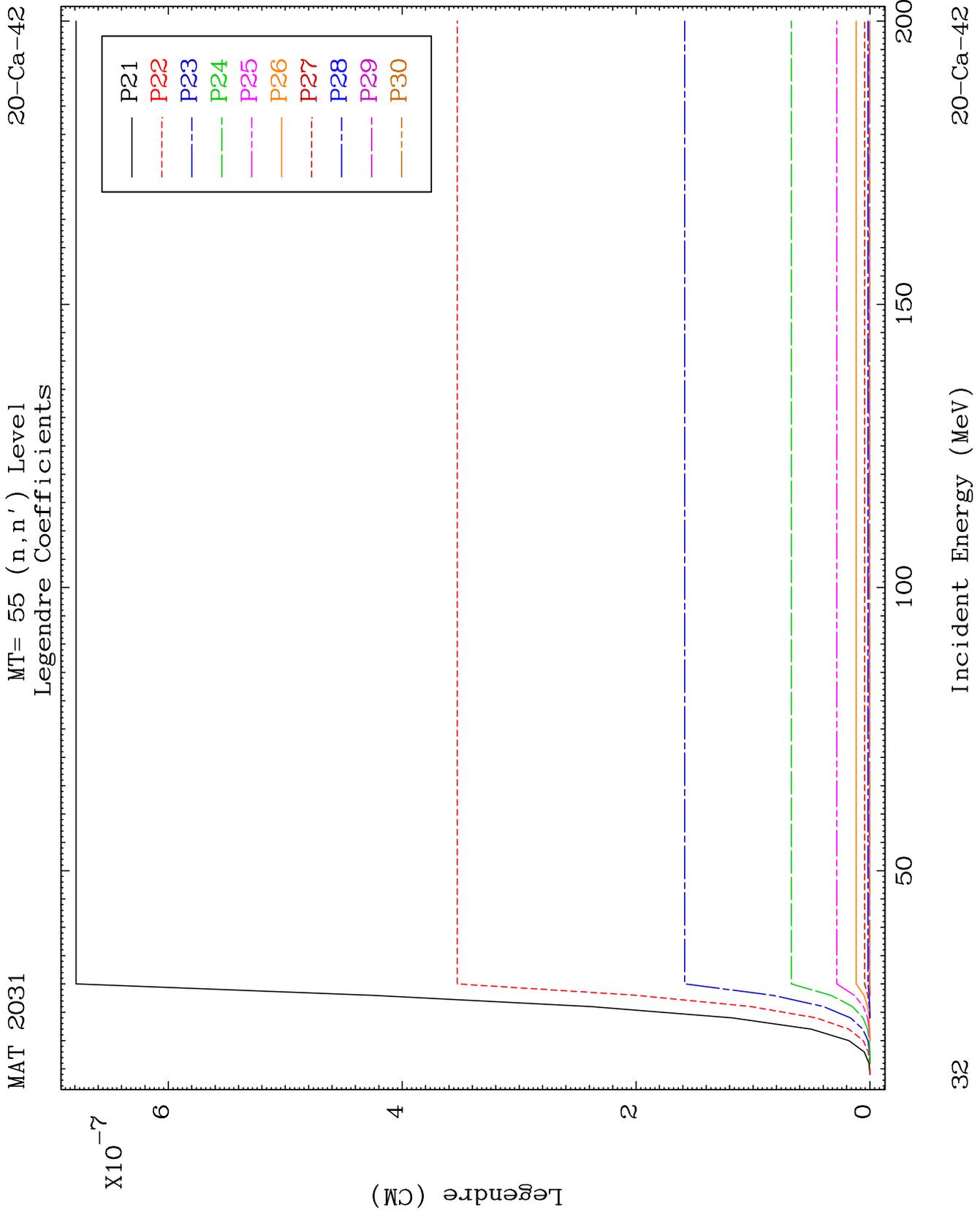


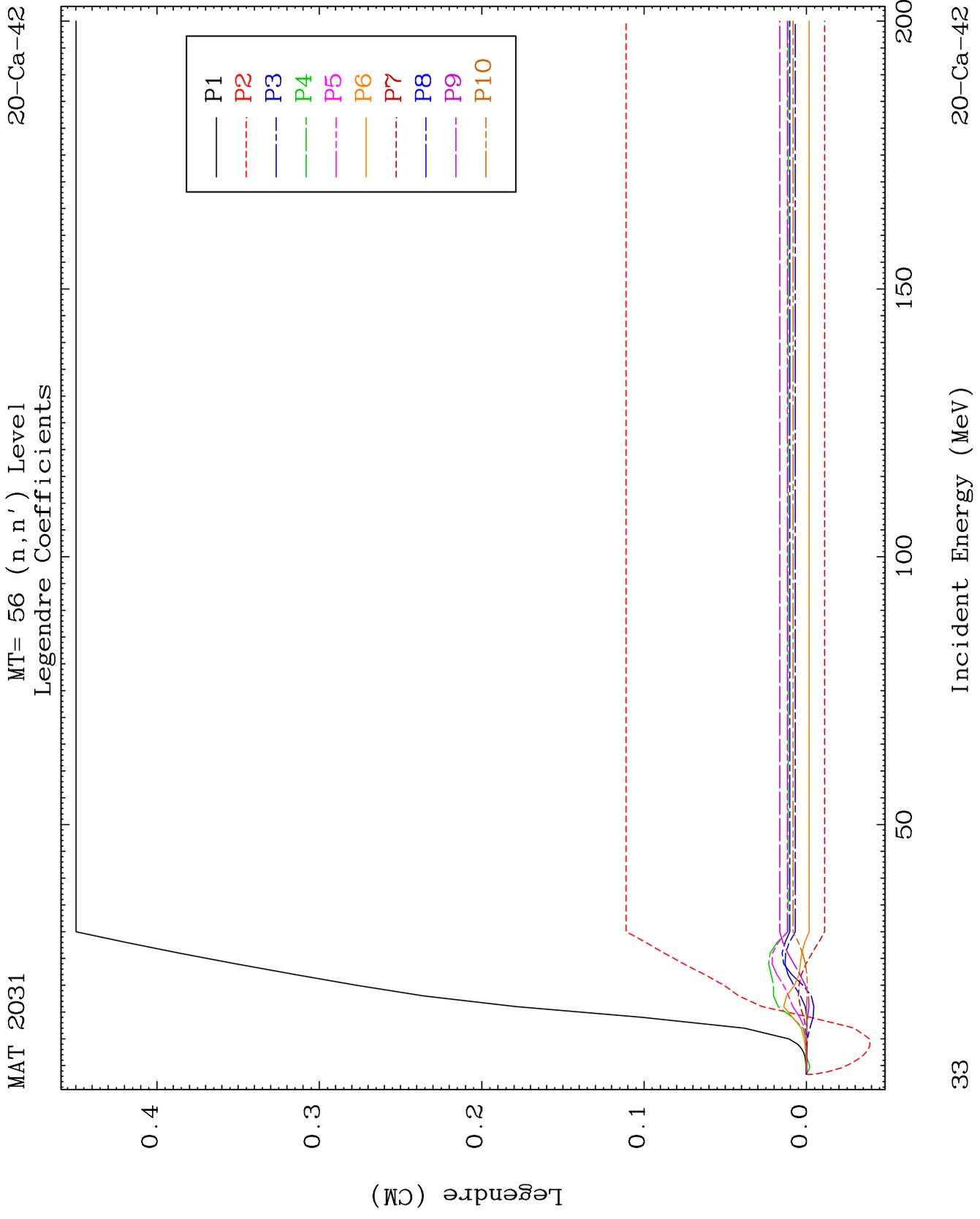
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MT= 55 (n,n') Level  
Legendre Coefficients

20-Ca-42



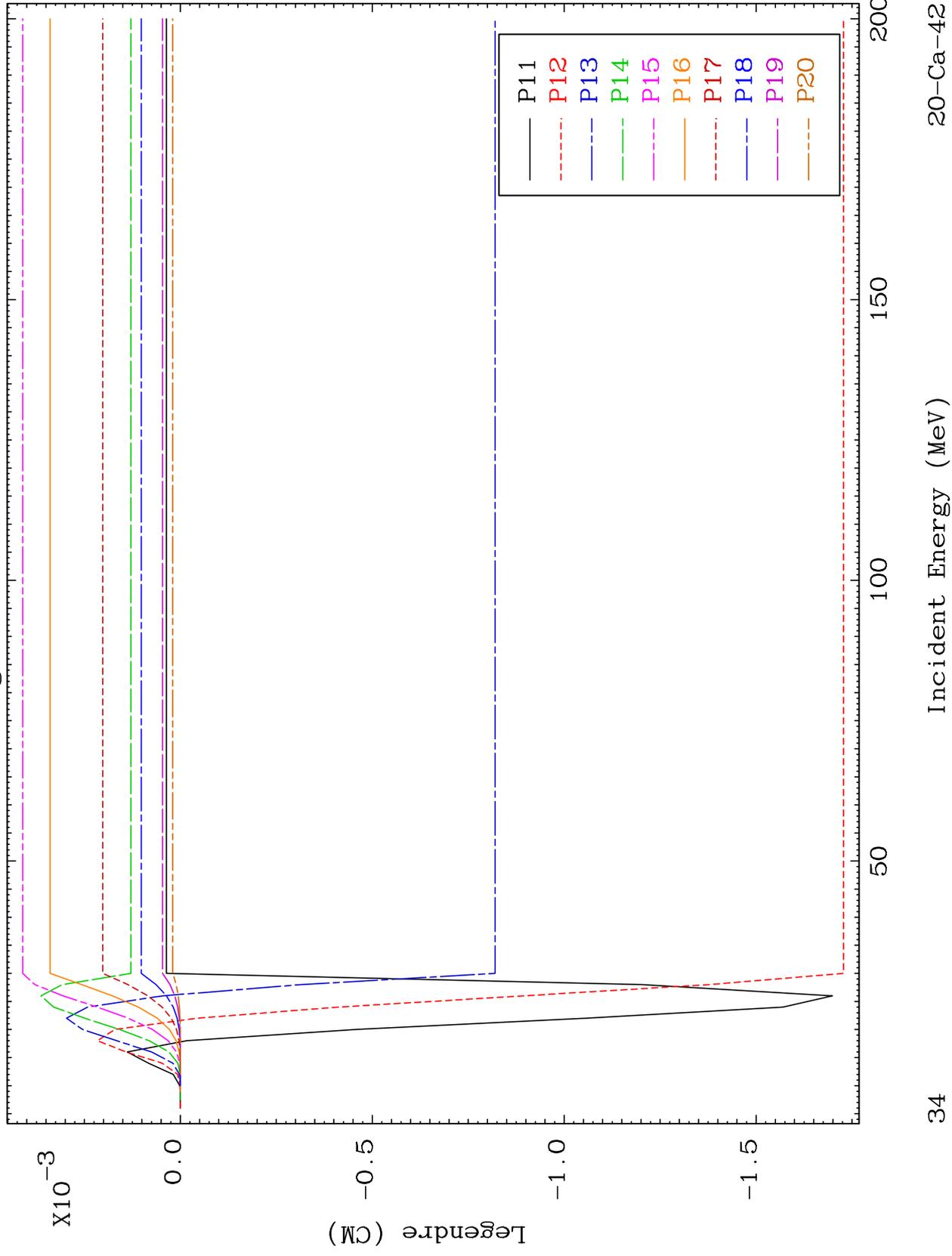




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Legendre Coefficients

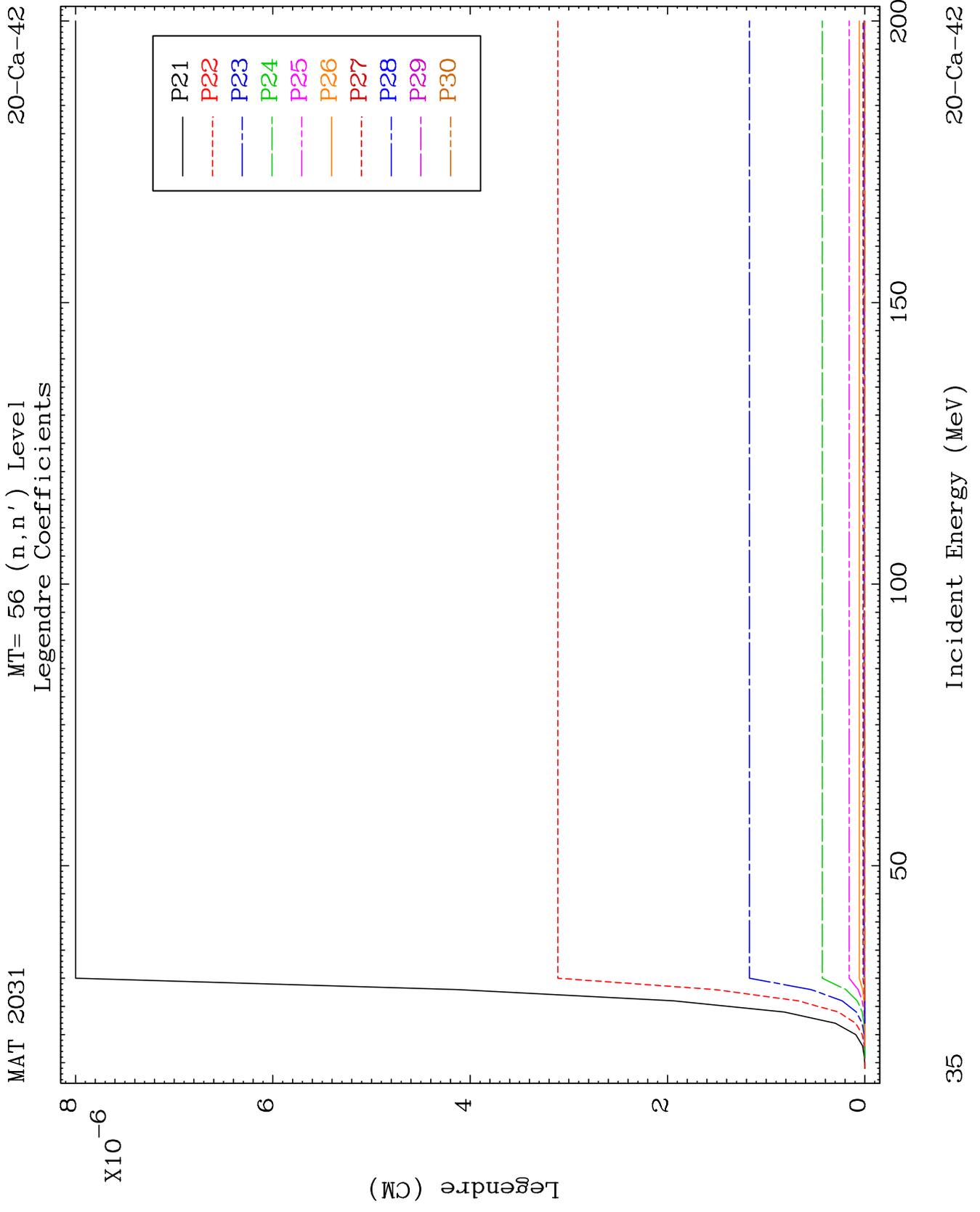
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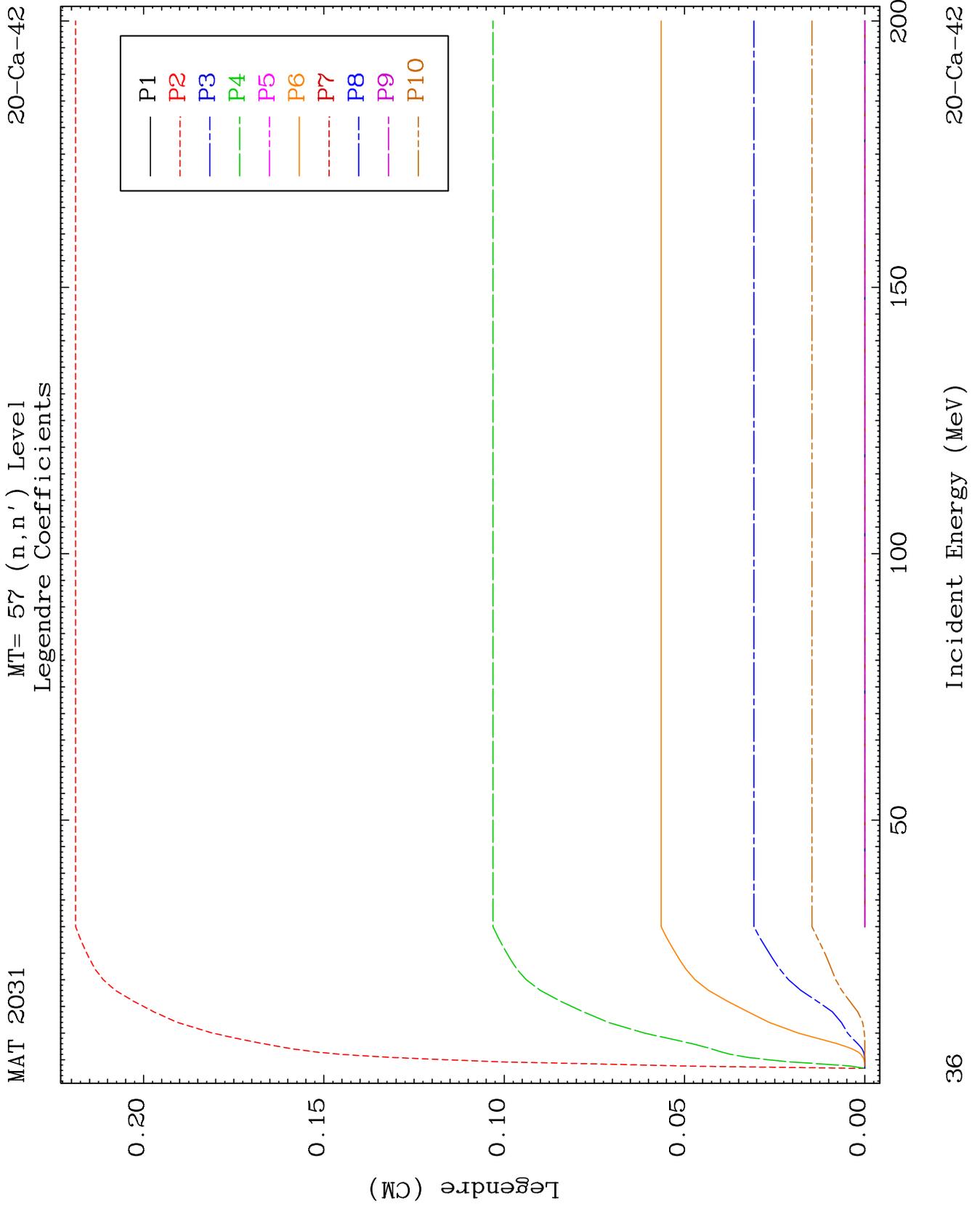


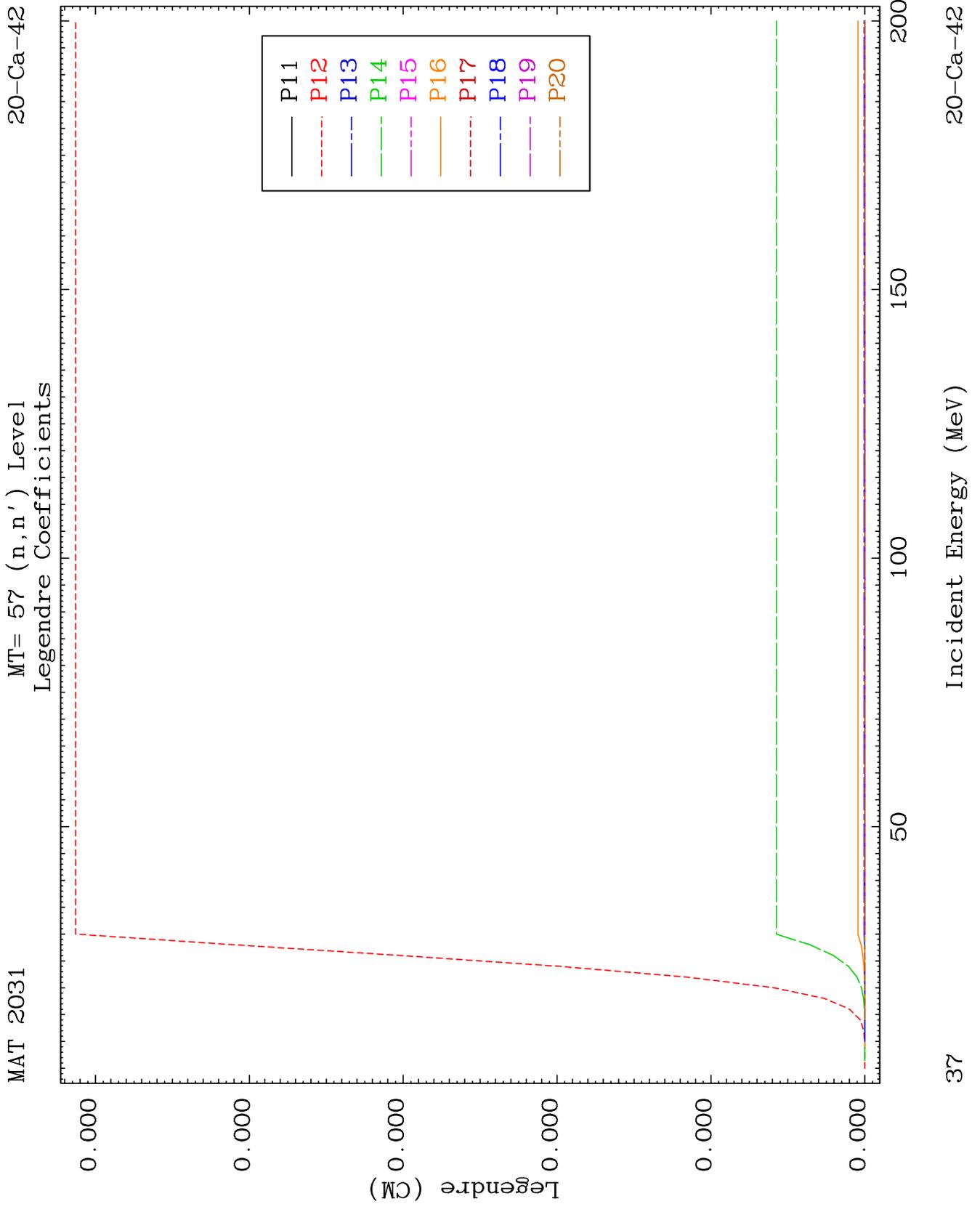
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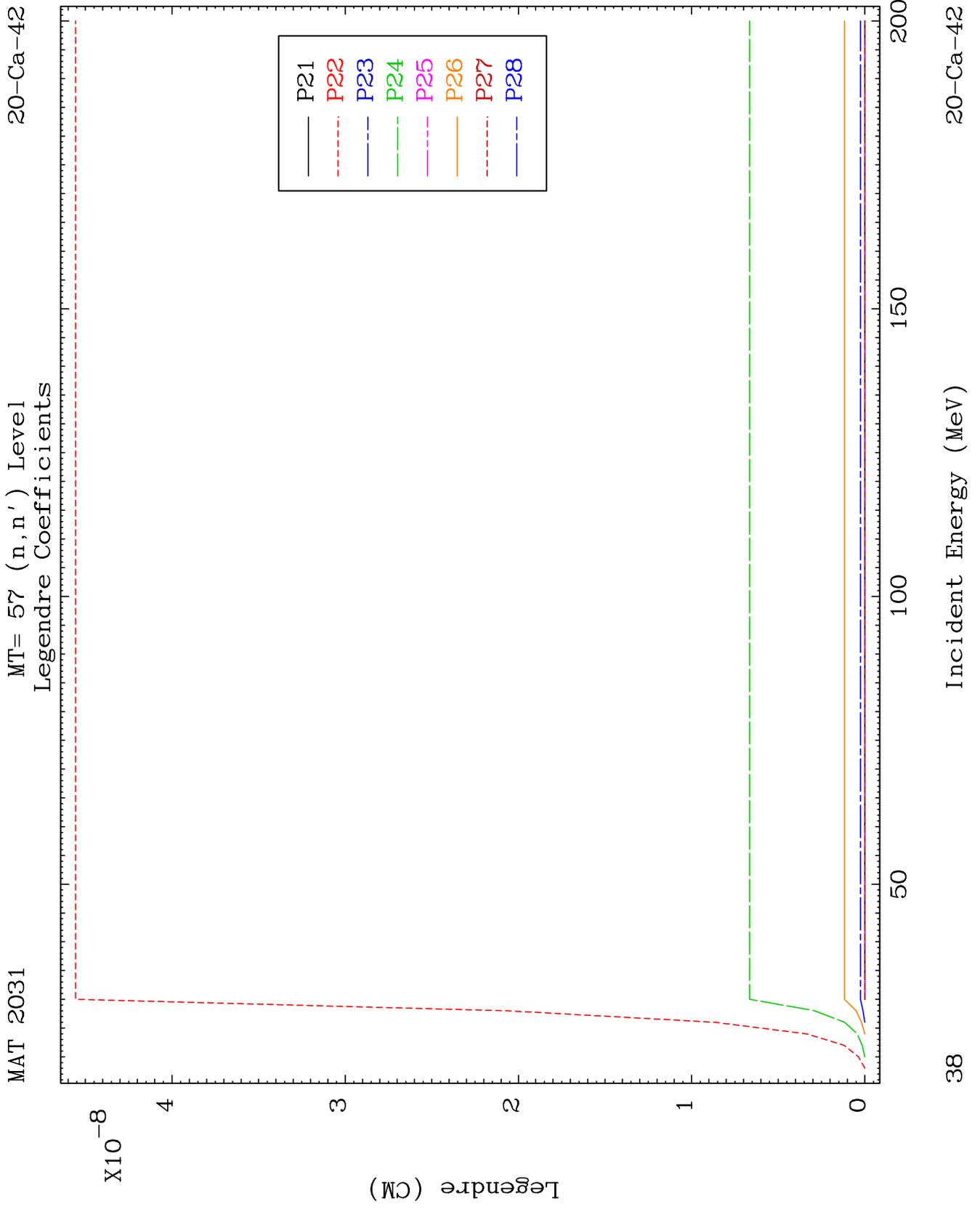
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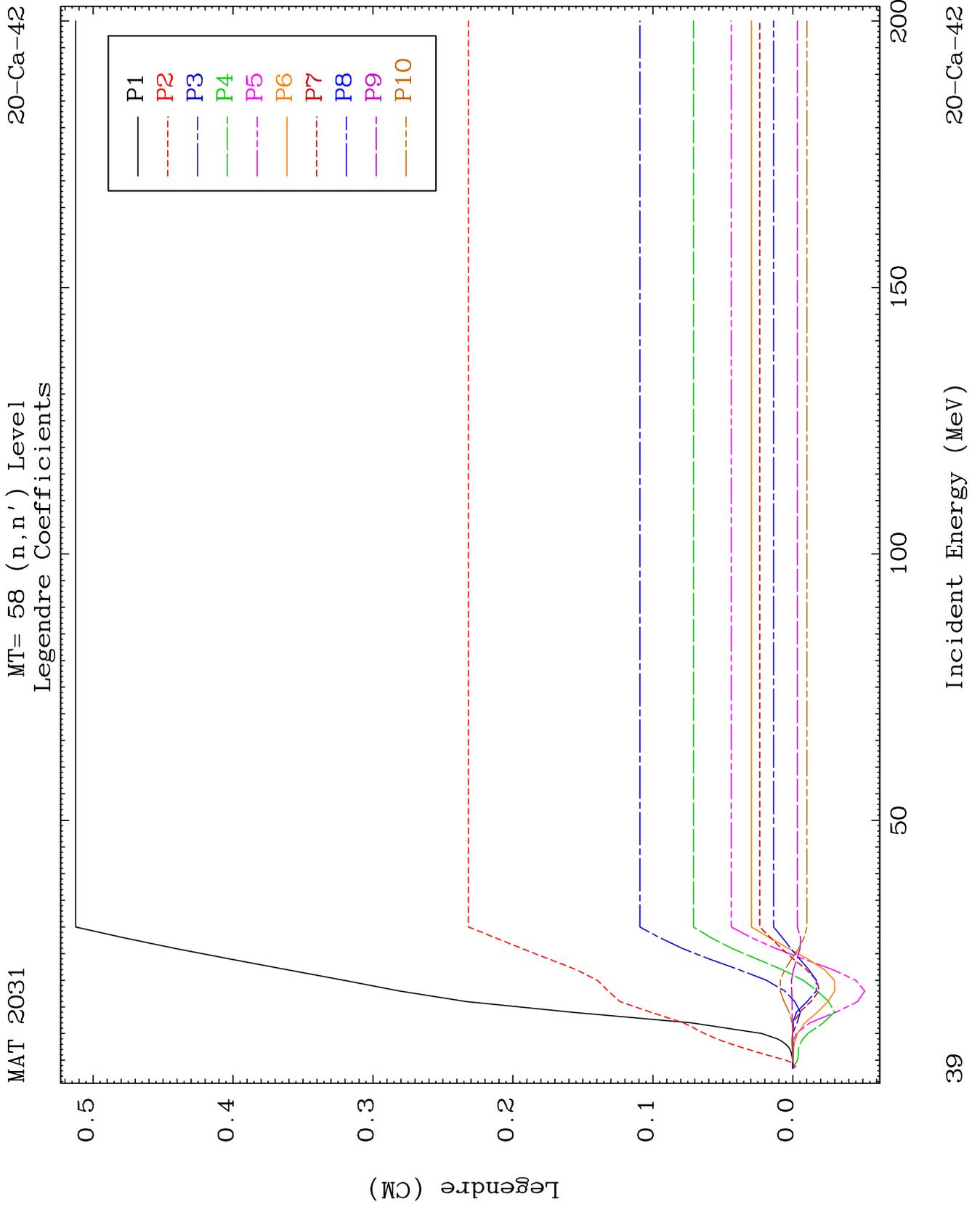
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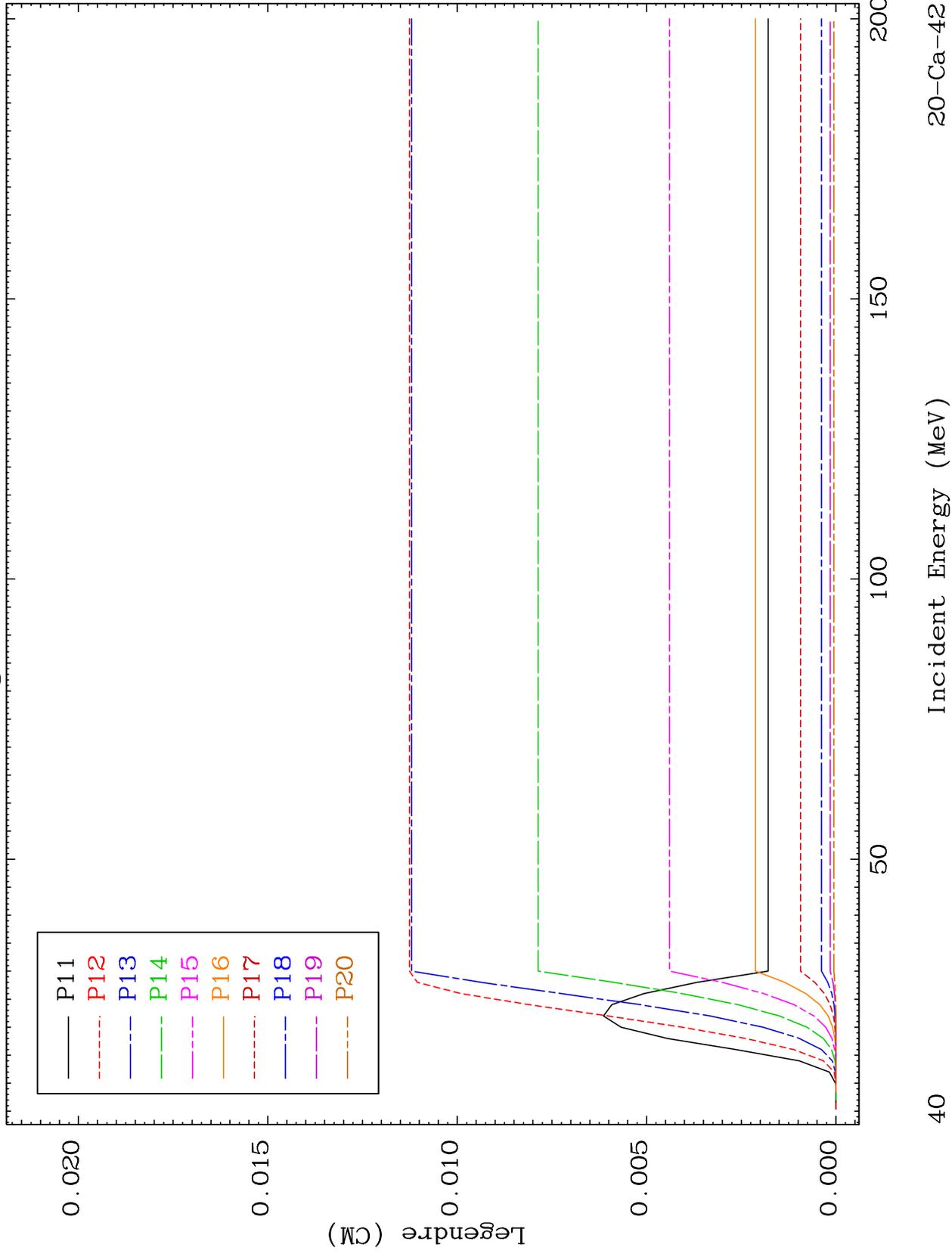




MAT 2031

MT= 58 (n,n') Level  
Legendre Coefficients

20-Ca-42



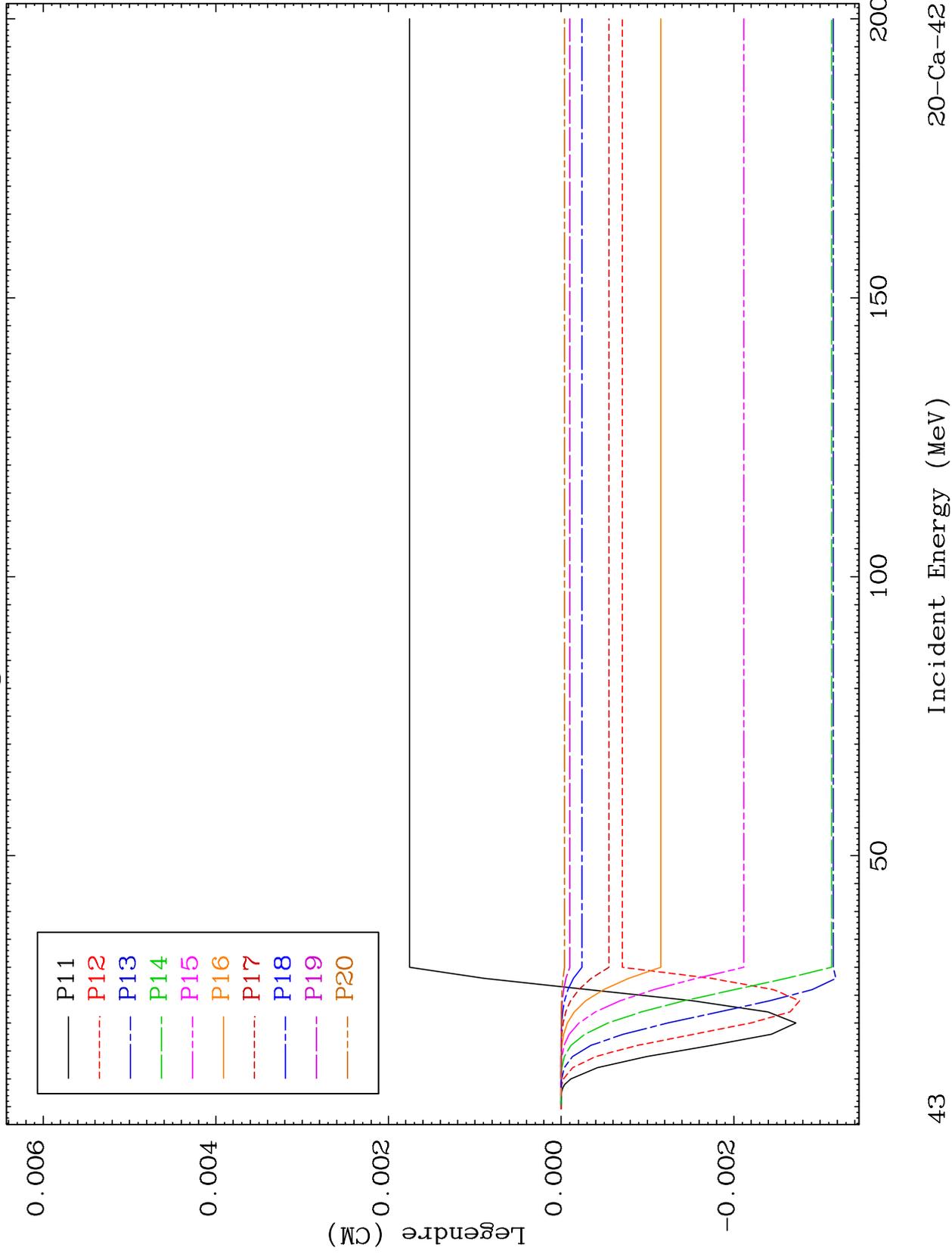




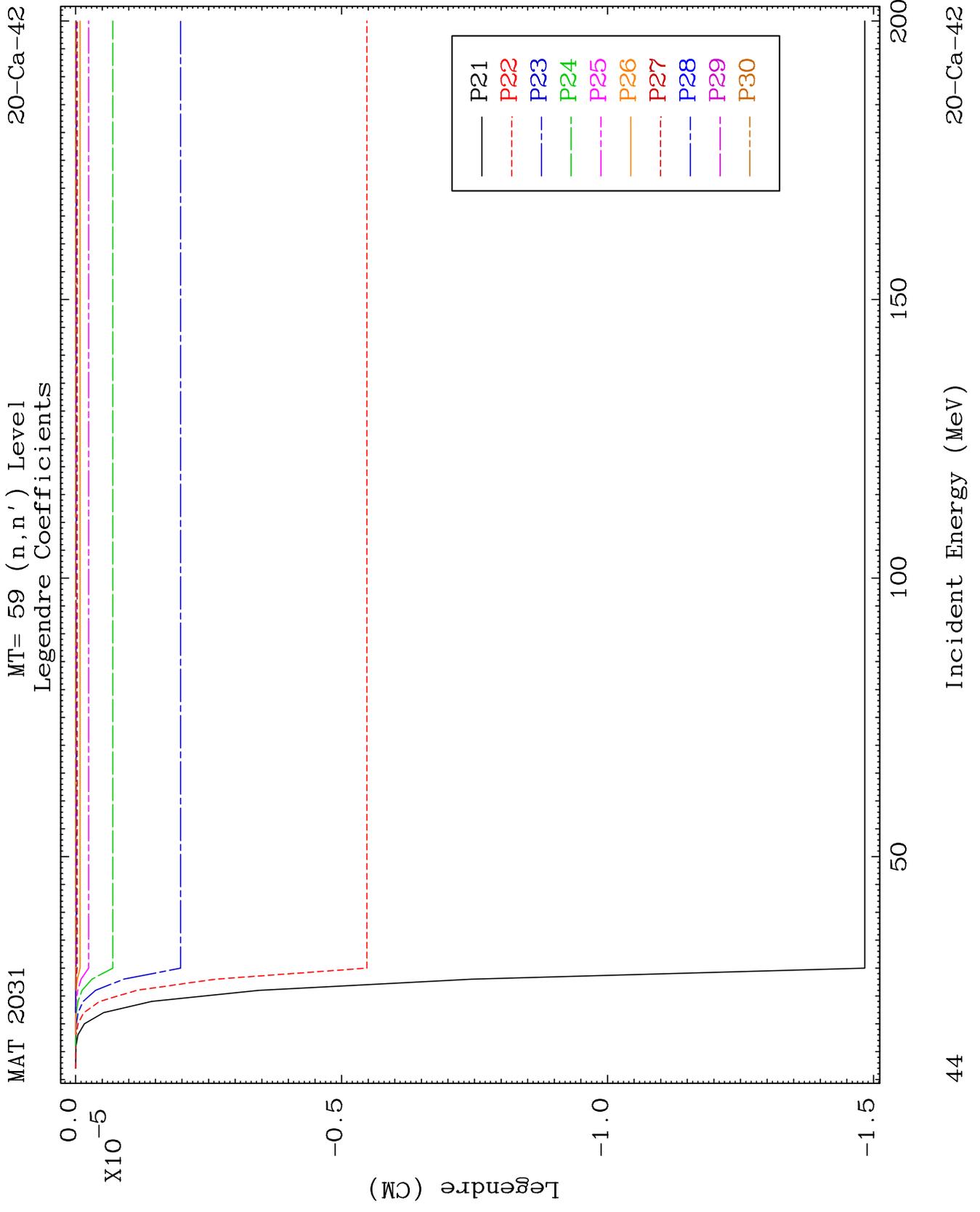
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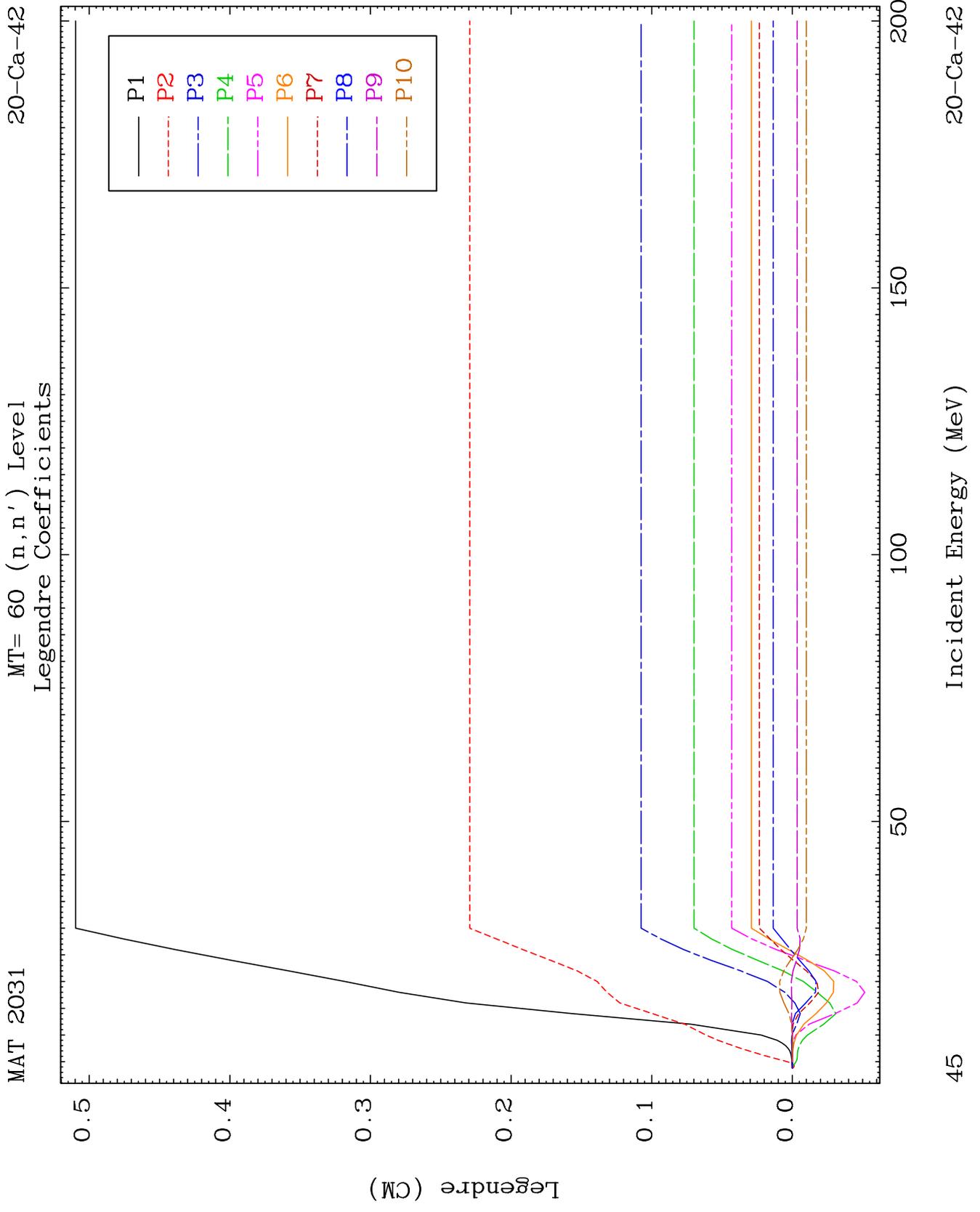
MT= 59 (n,n') Level  
Legendre Coefficients

20-Ca-42



43

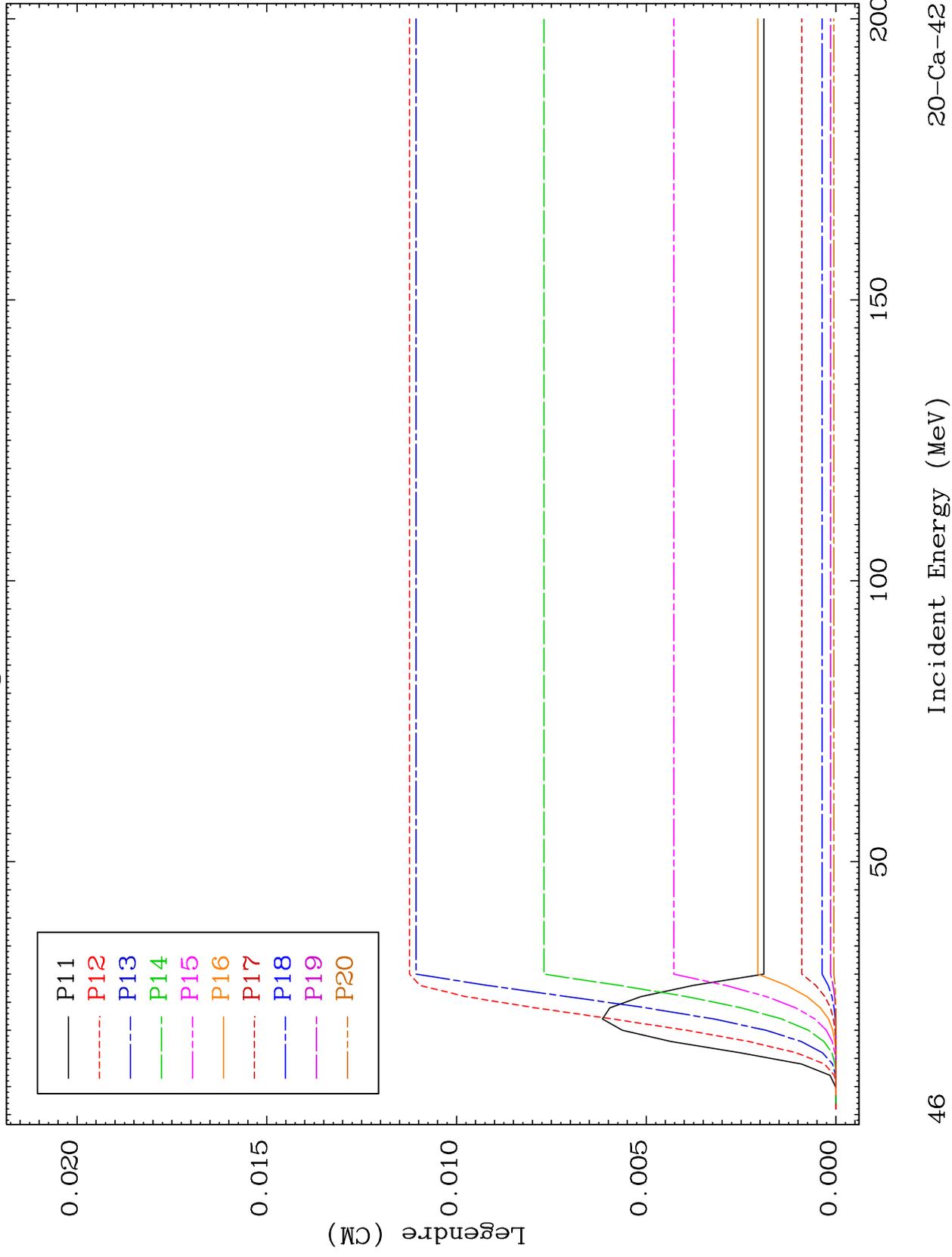




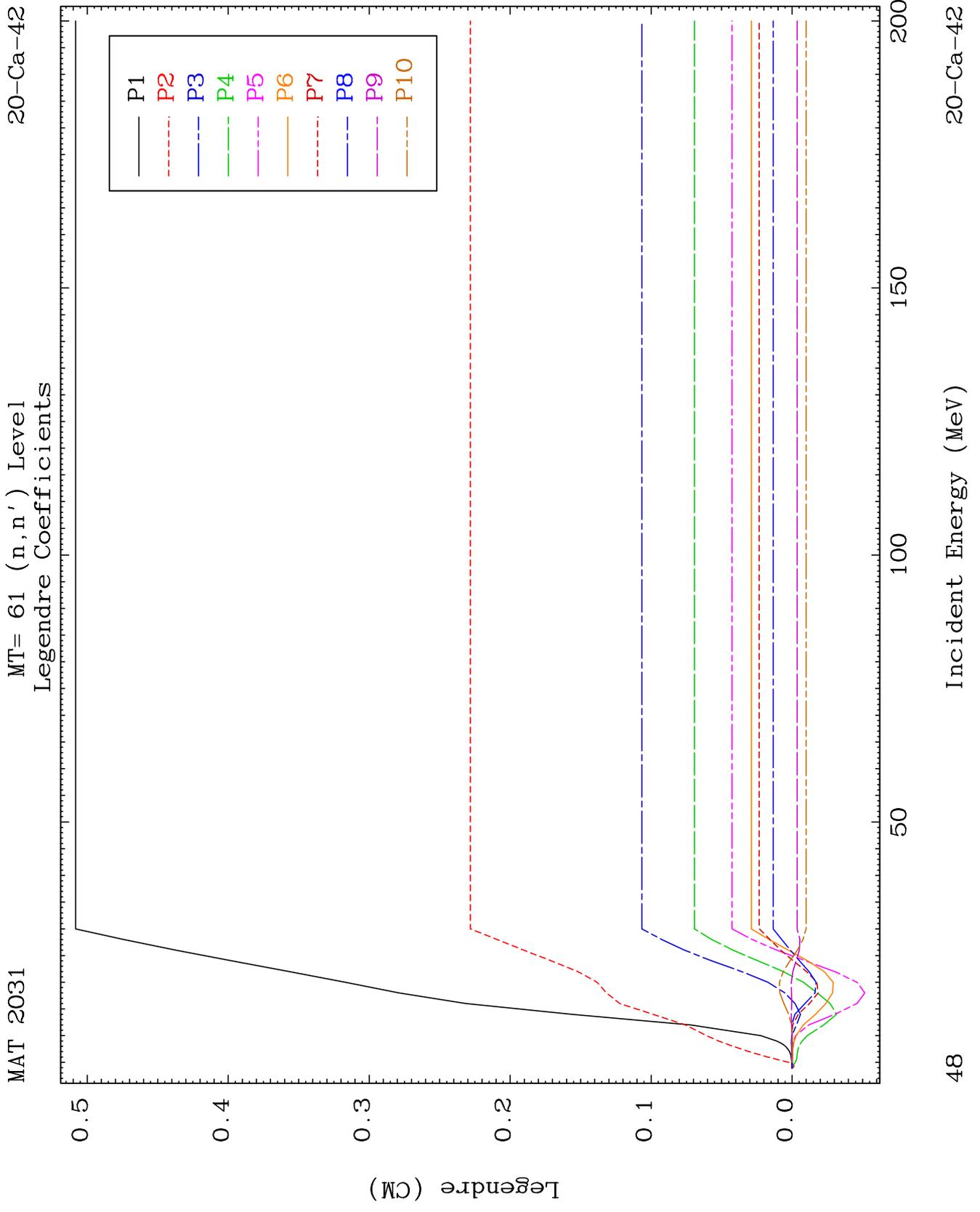
MAT 2031

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

20-Ca-42



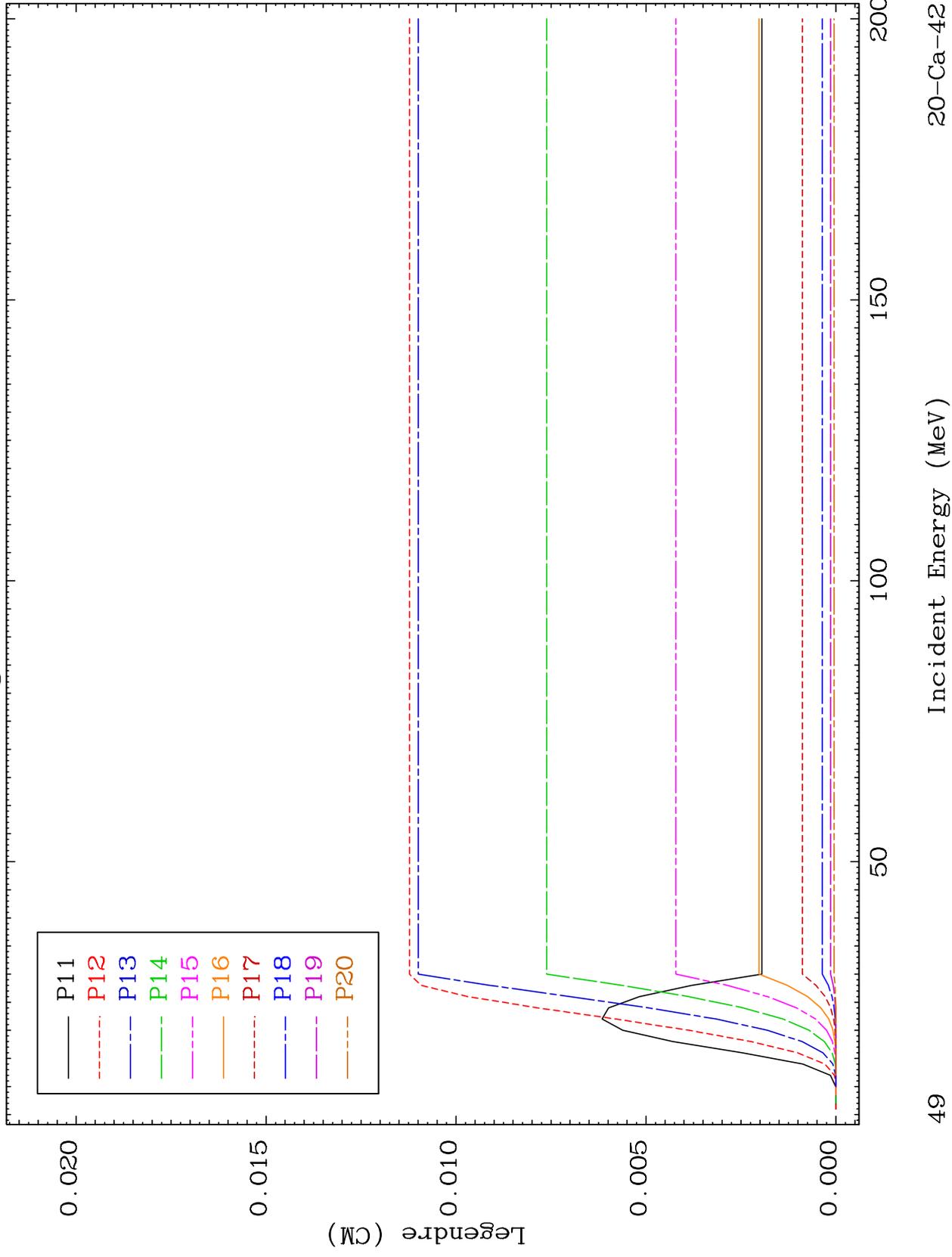




MAT 2031

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Legendre Coefficients

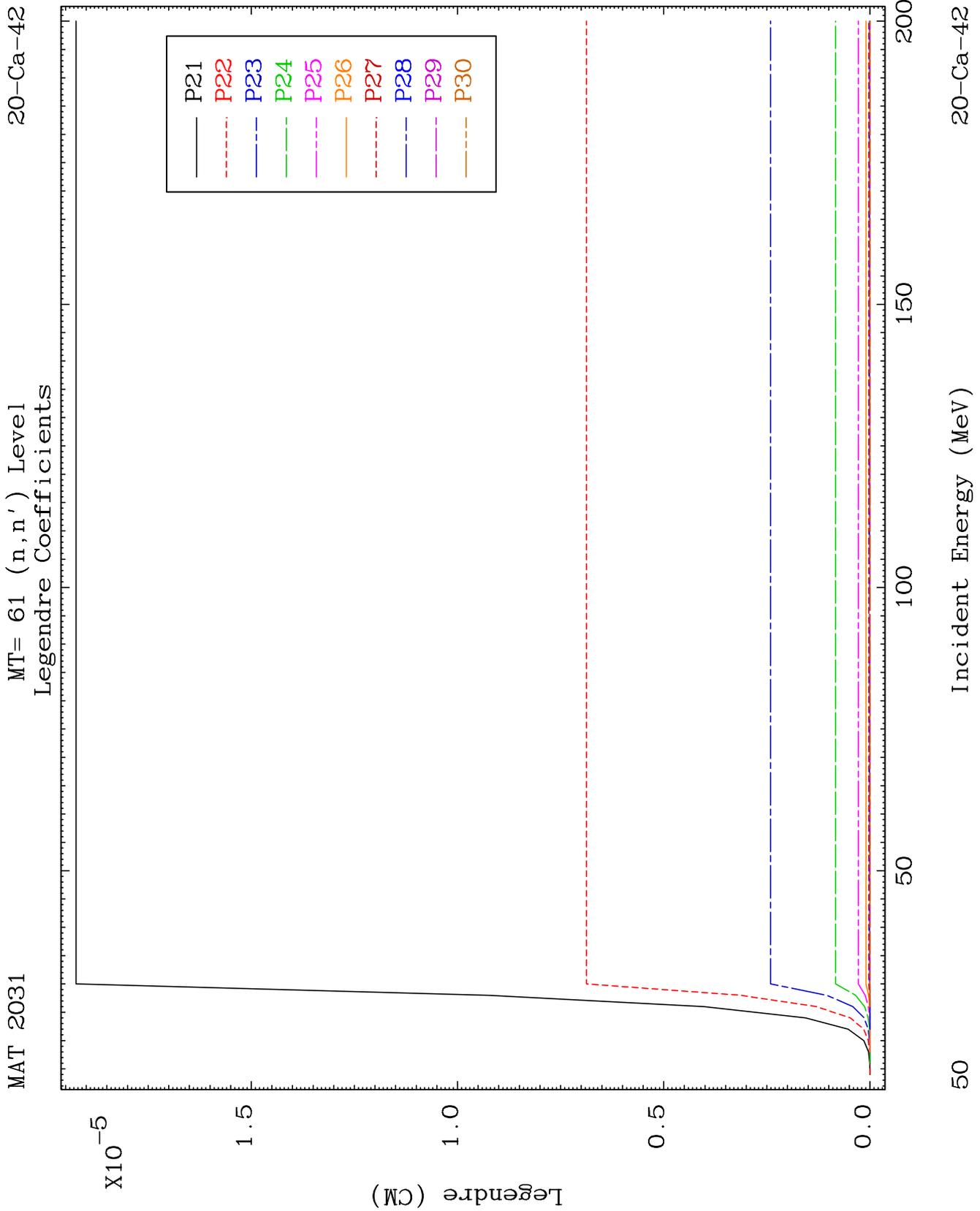
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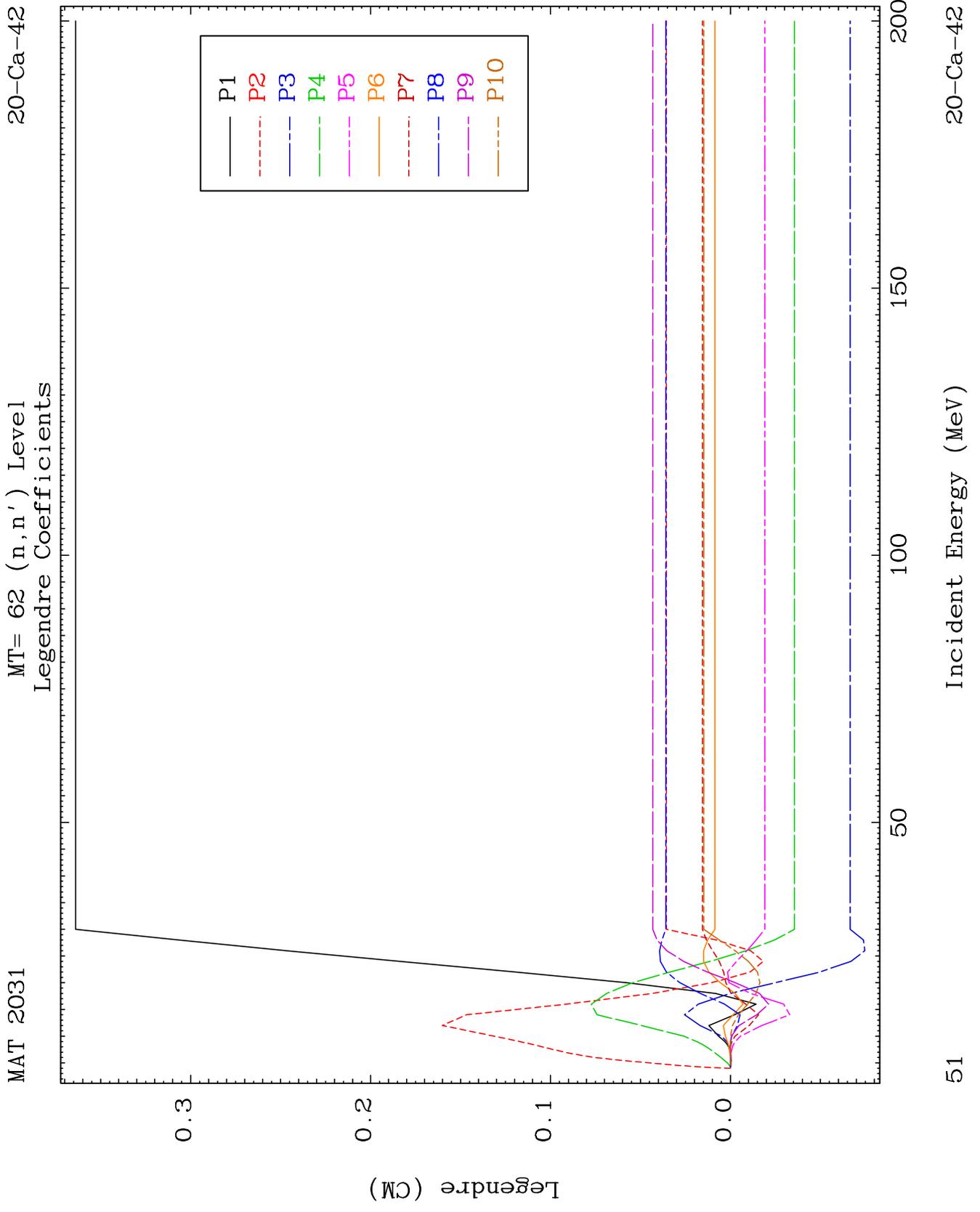


49

Incident Energy (MeV)

20-Ca-42

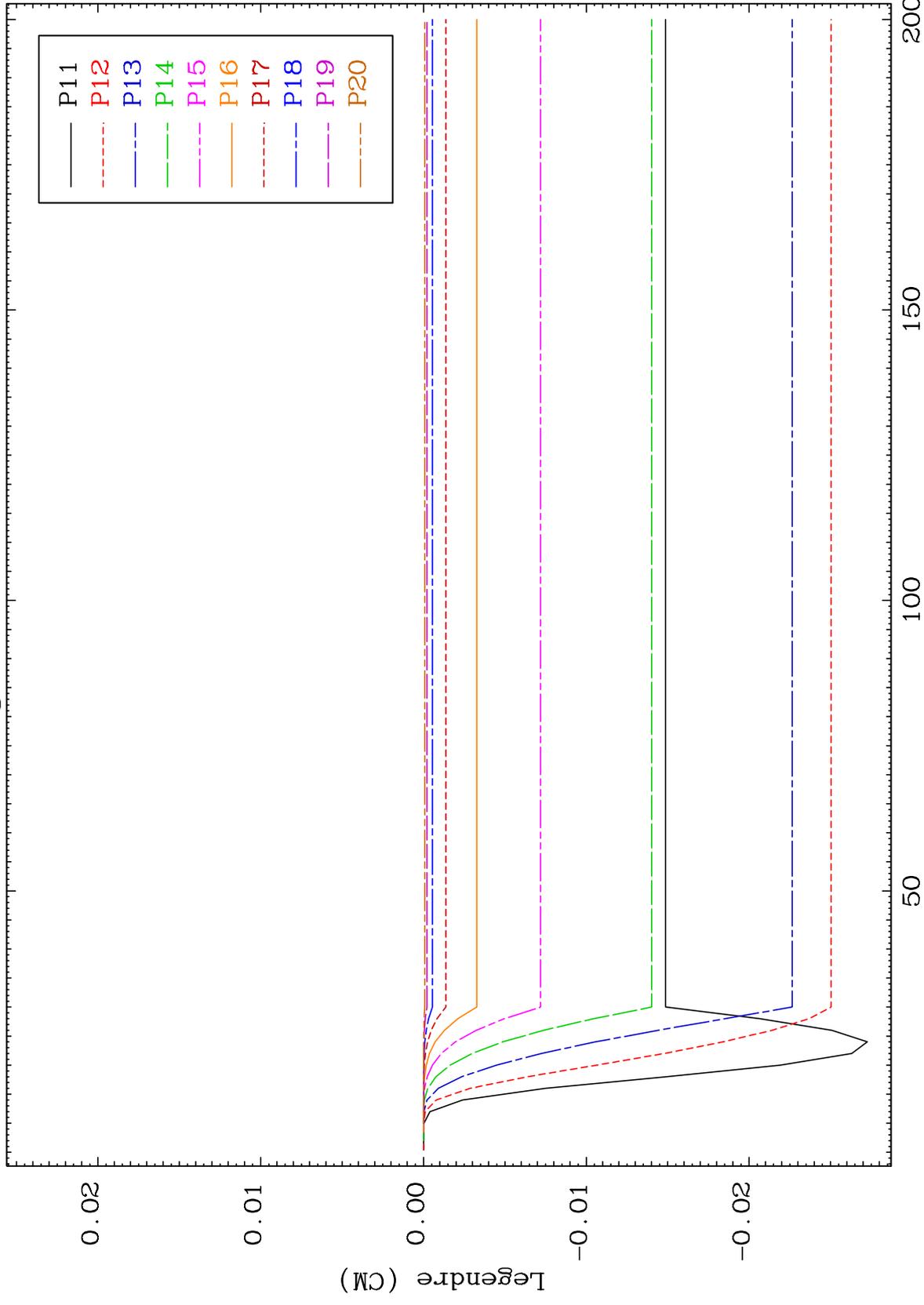




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Legendre Coefficients

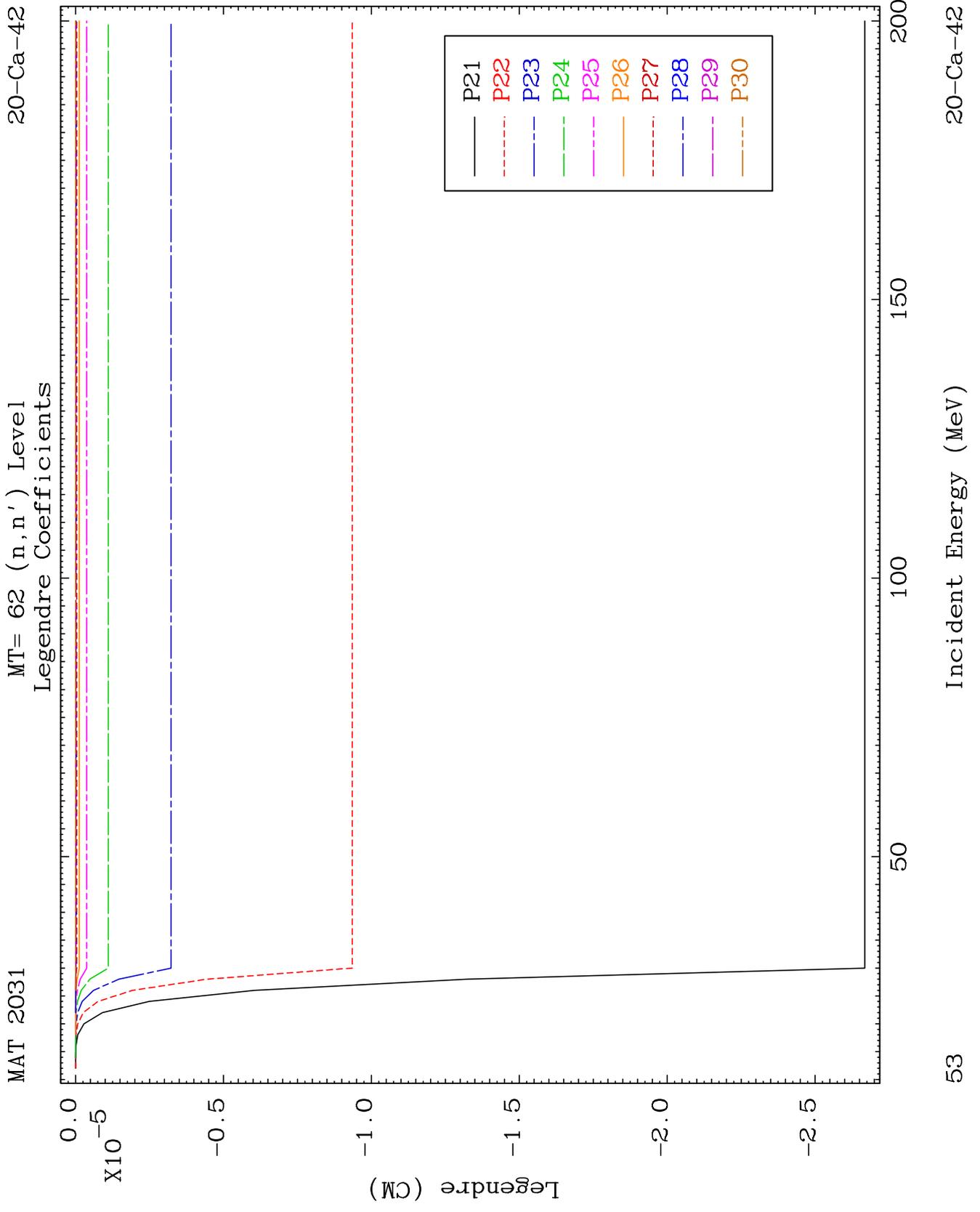
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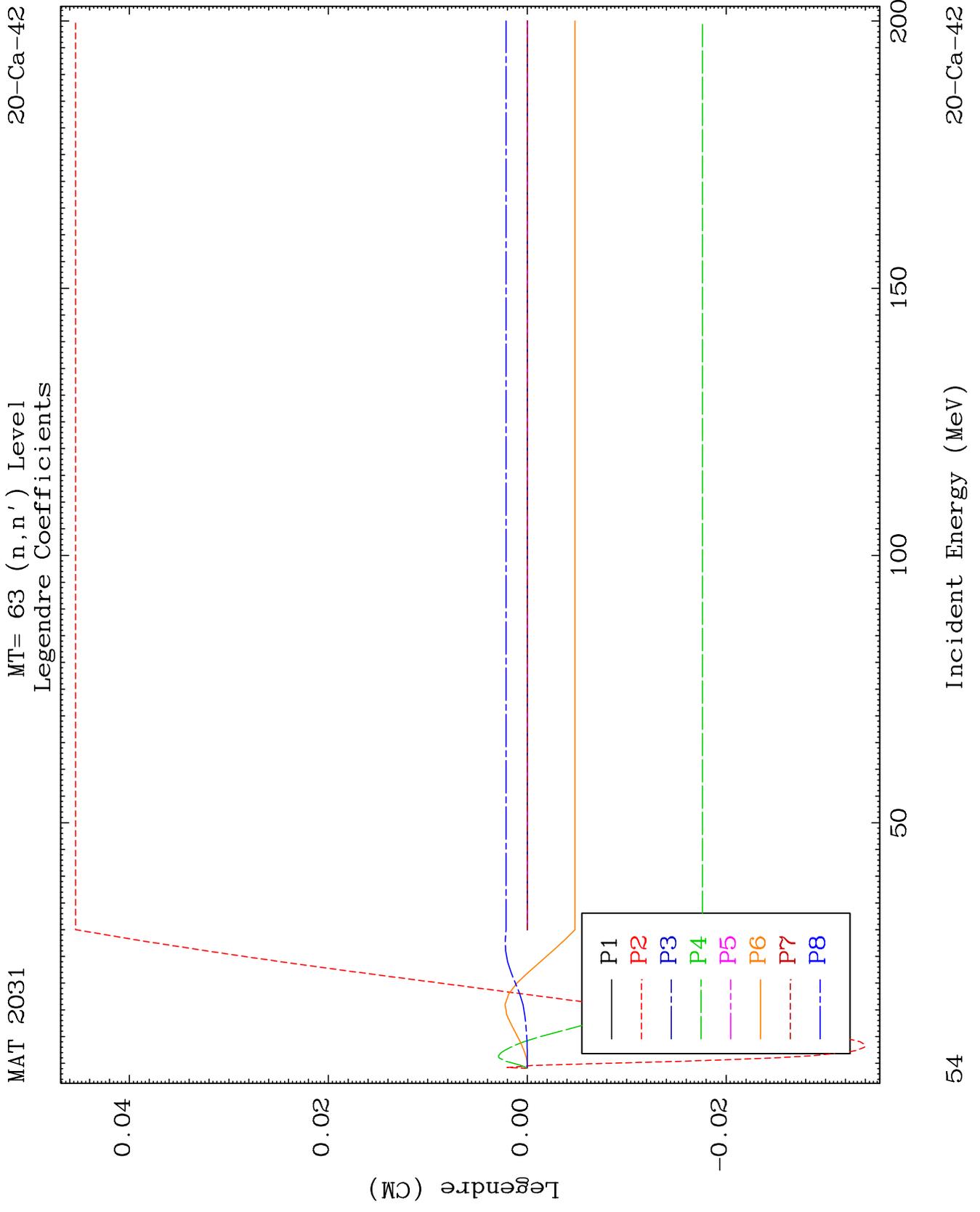


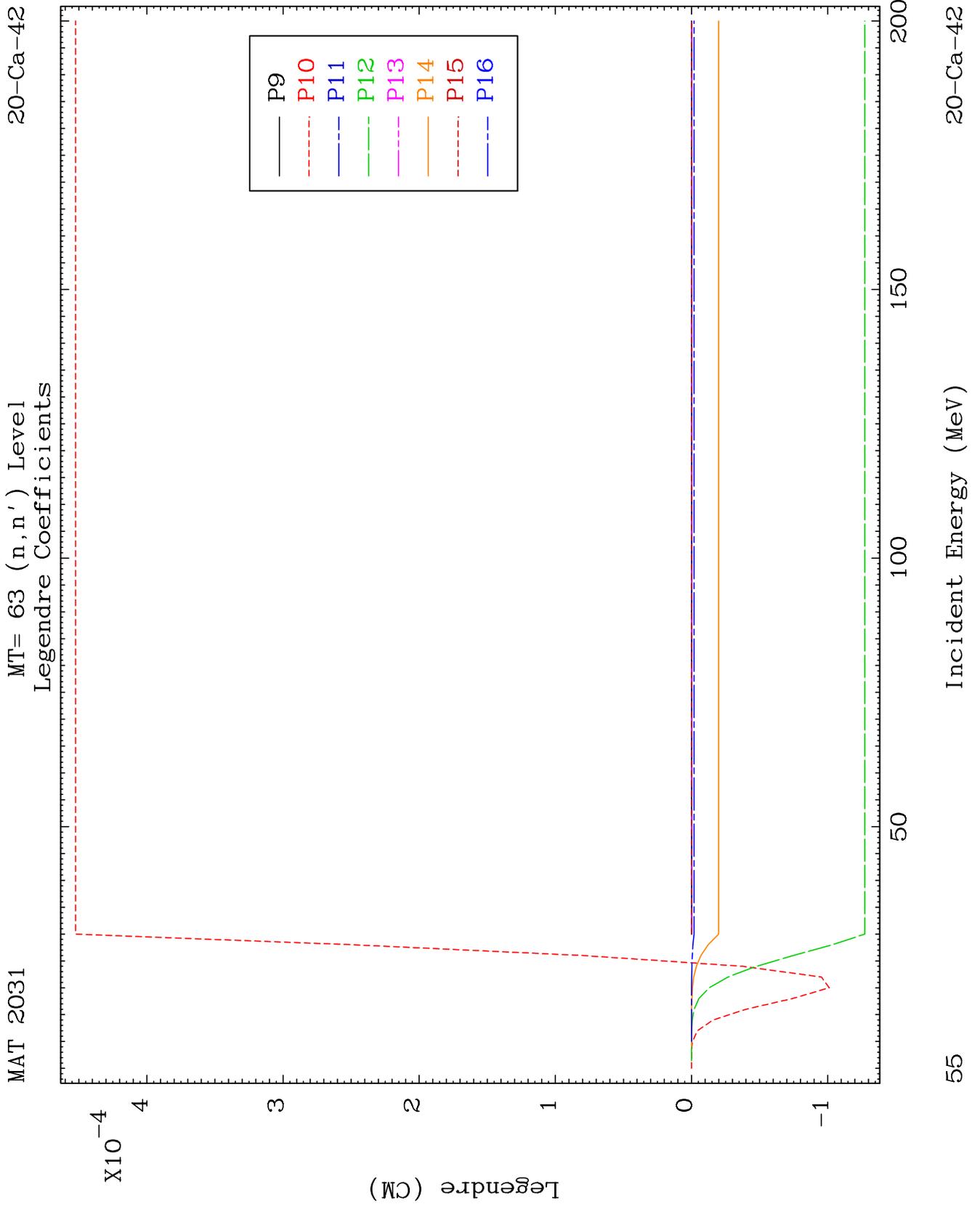
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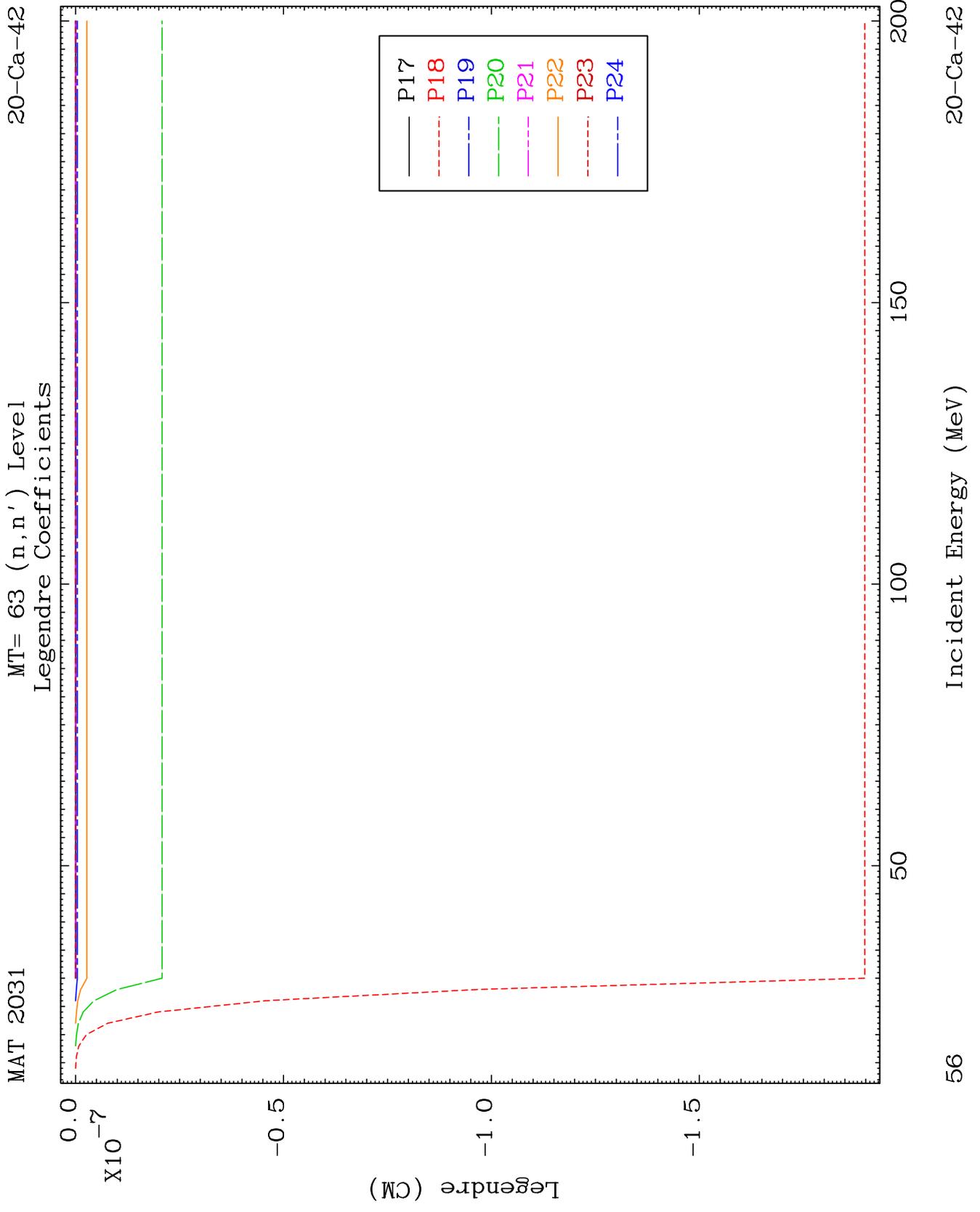
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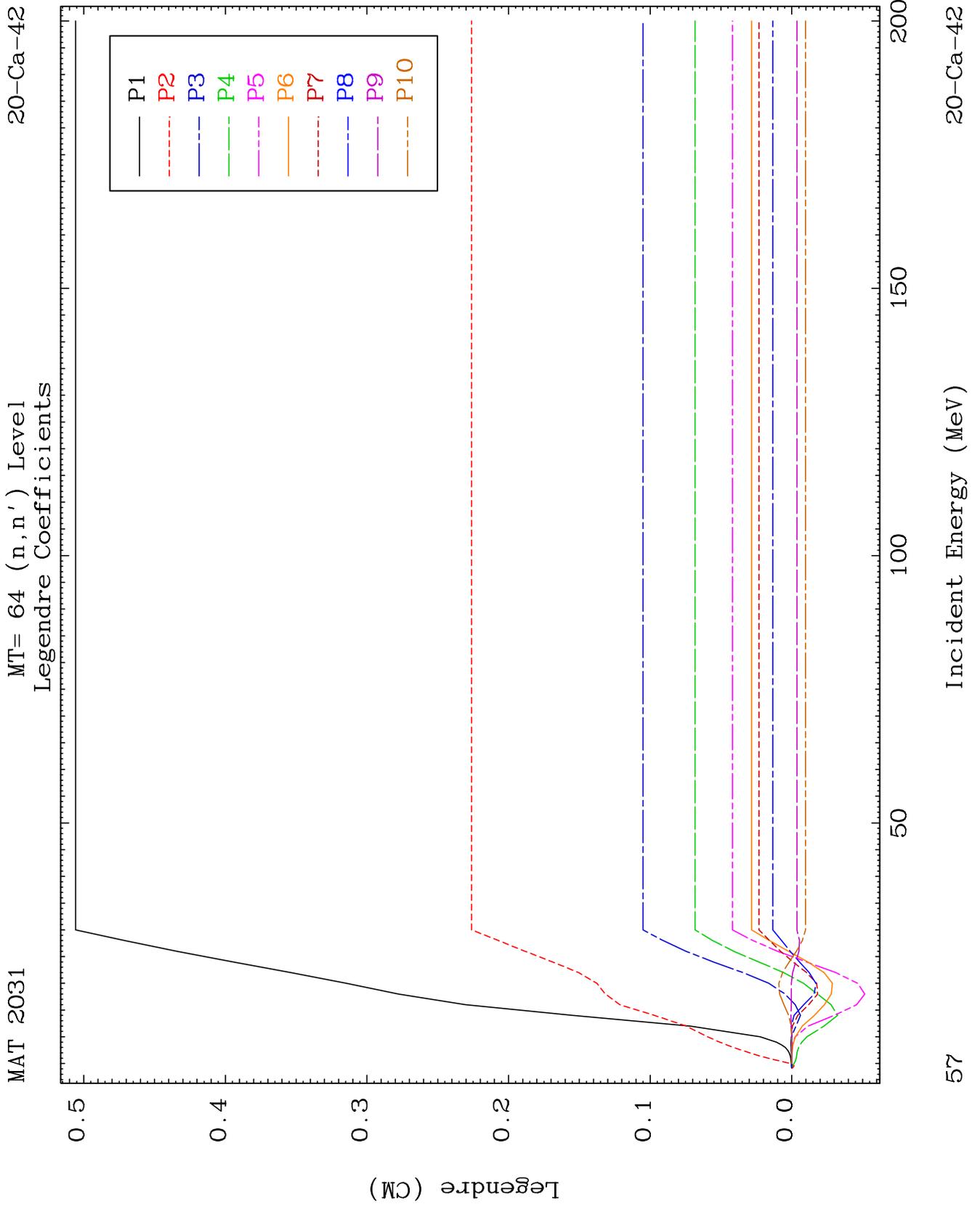
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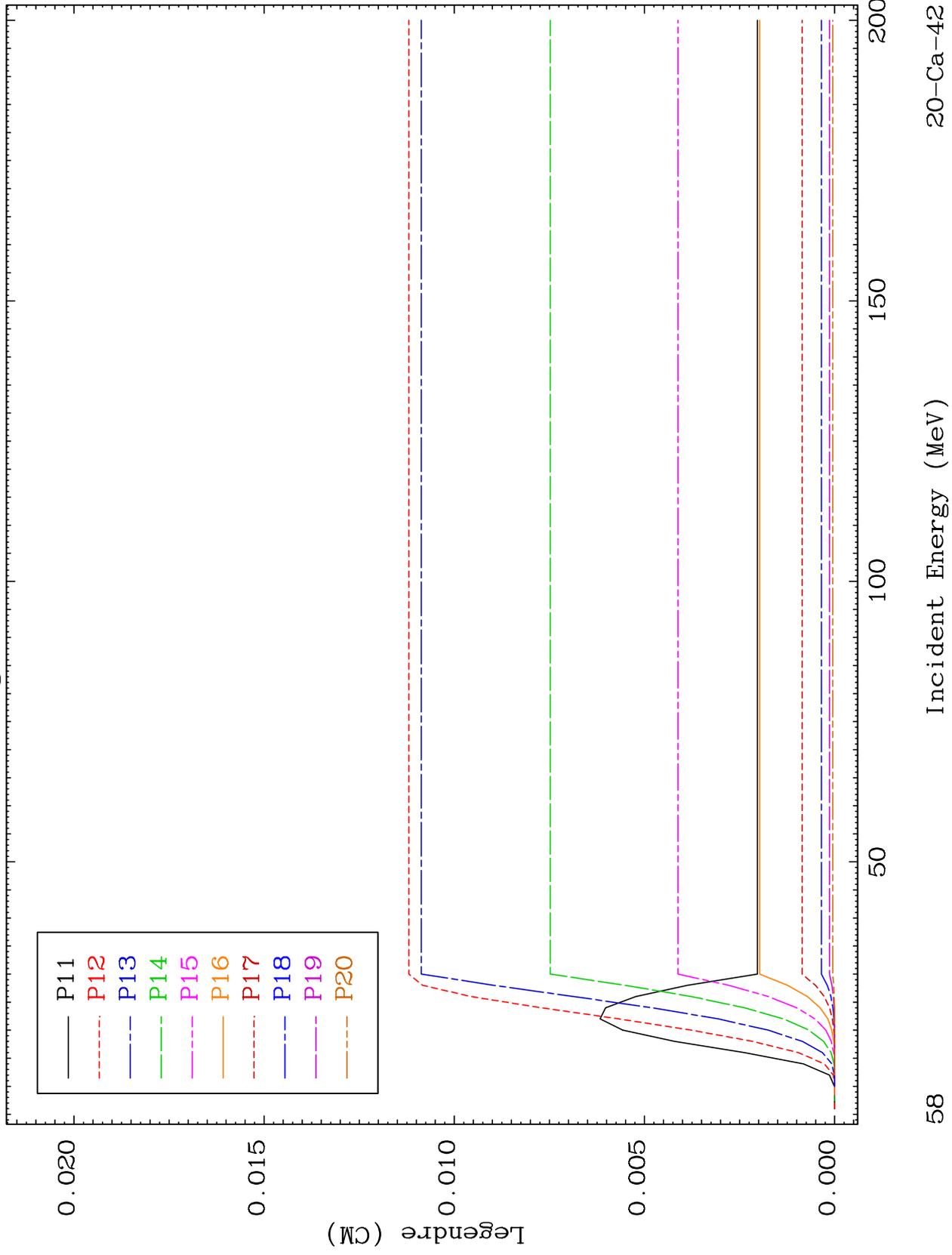




MAT 2031

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Legendre Coefficients

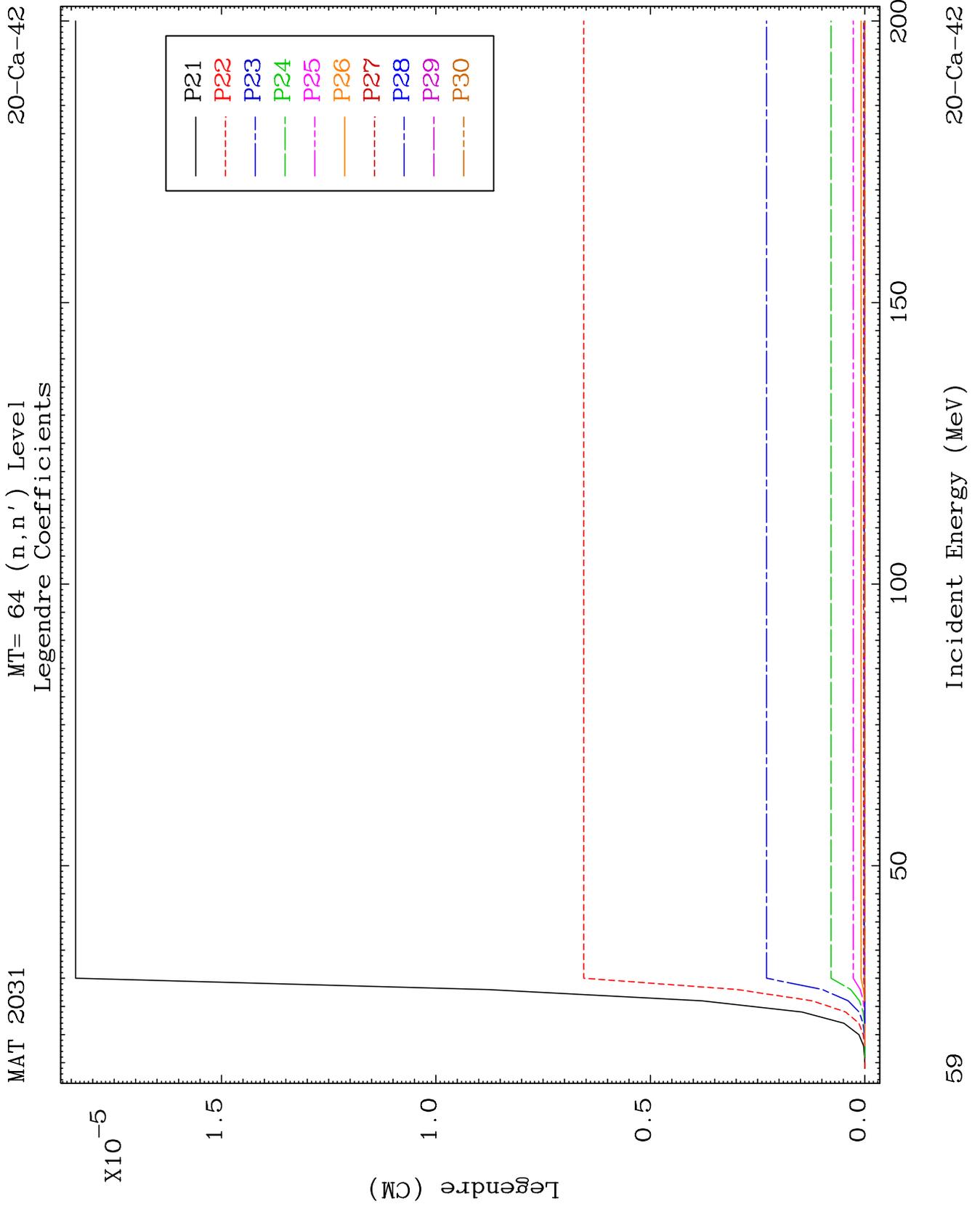
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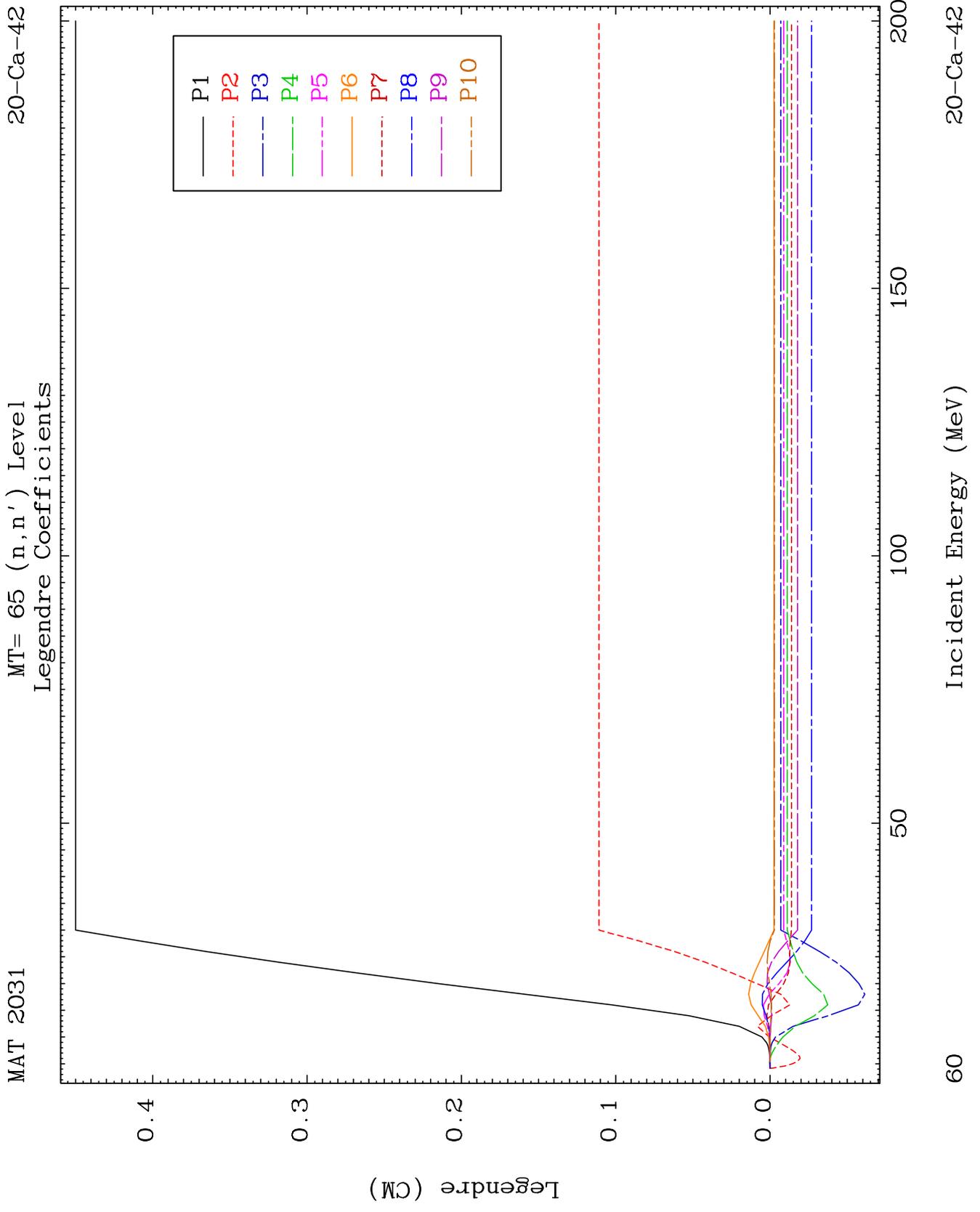


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Incident Energy (MeV)

20-Ca-42

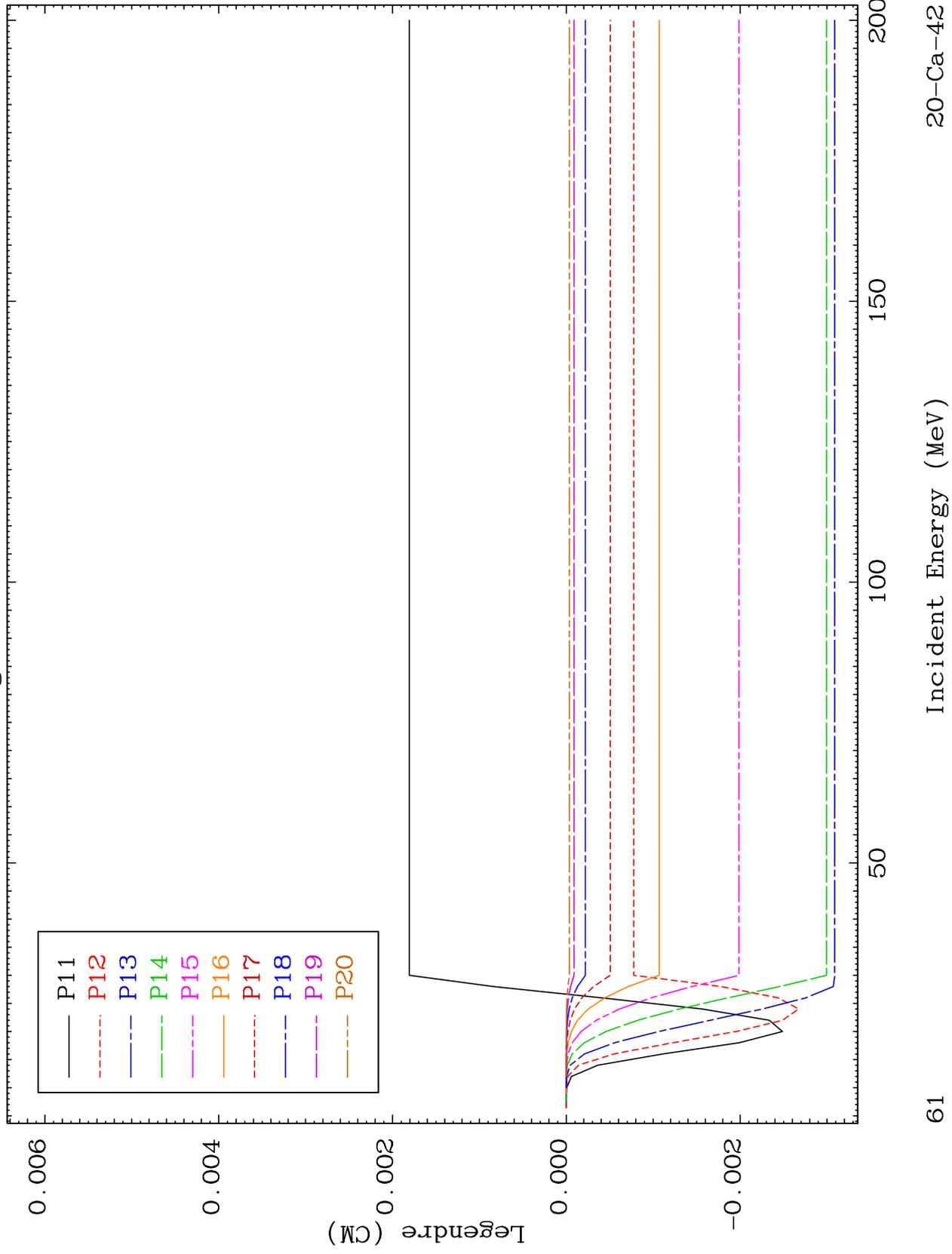


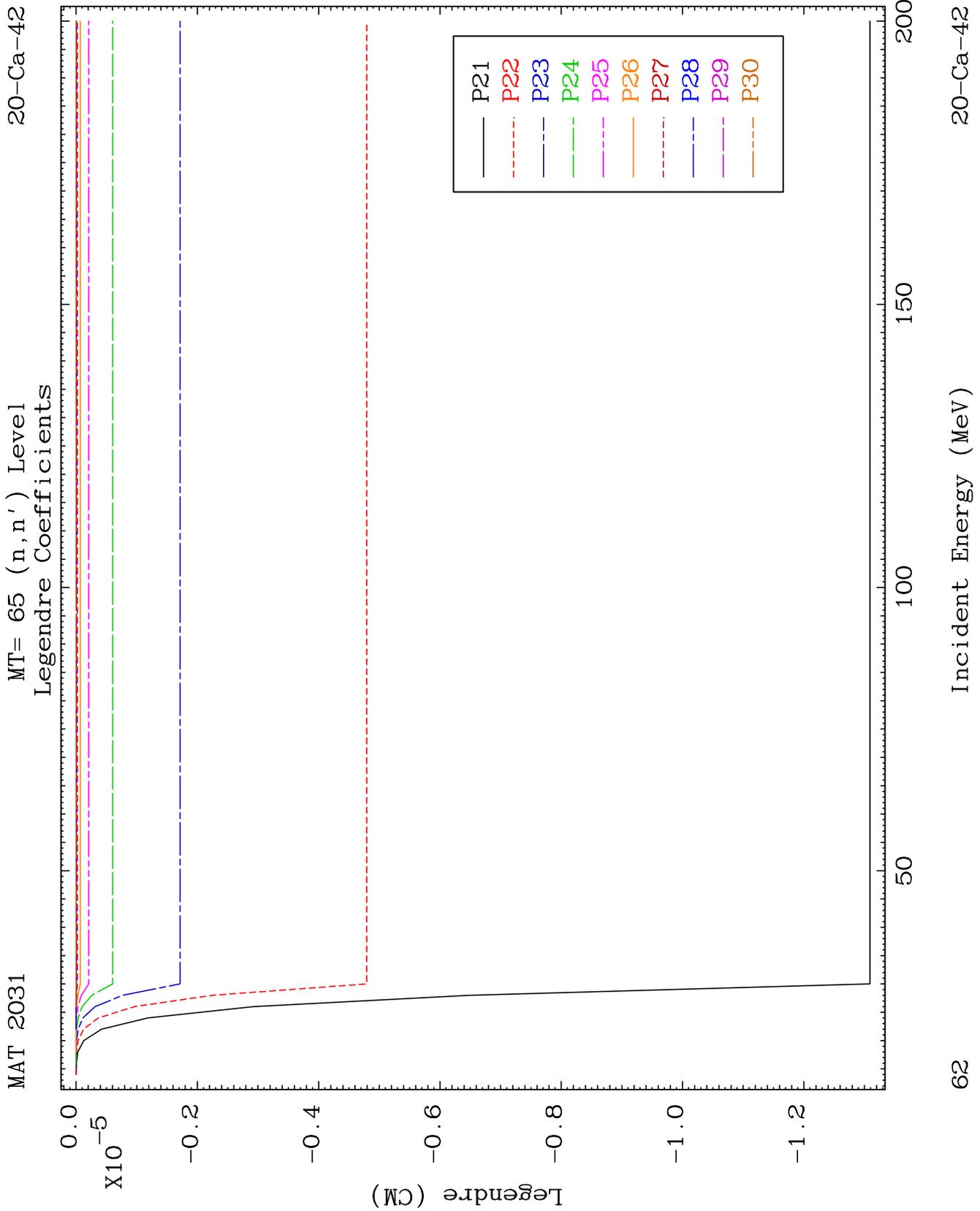


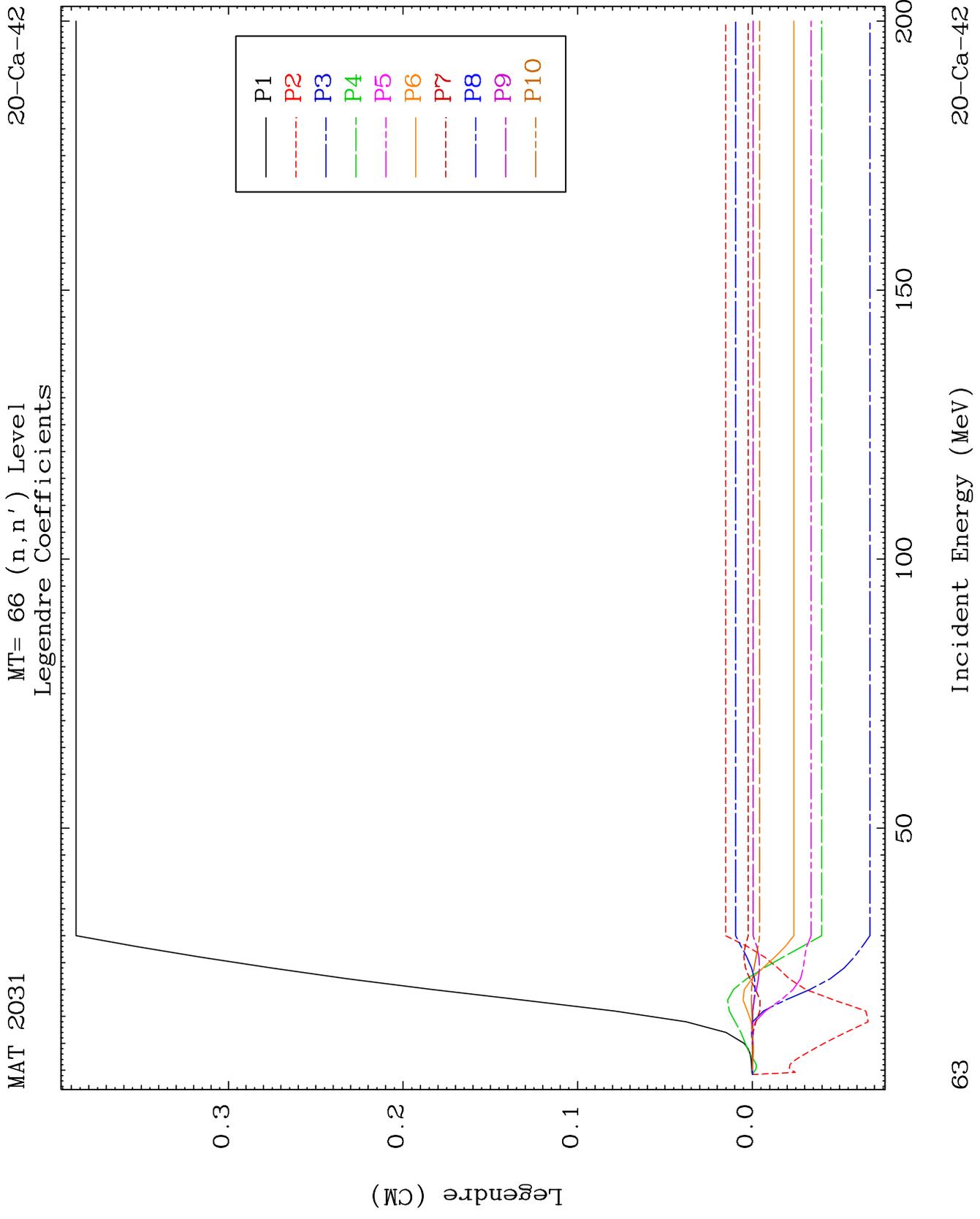
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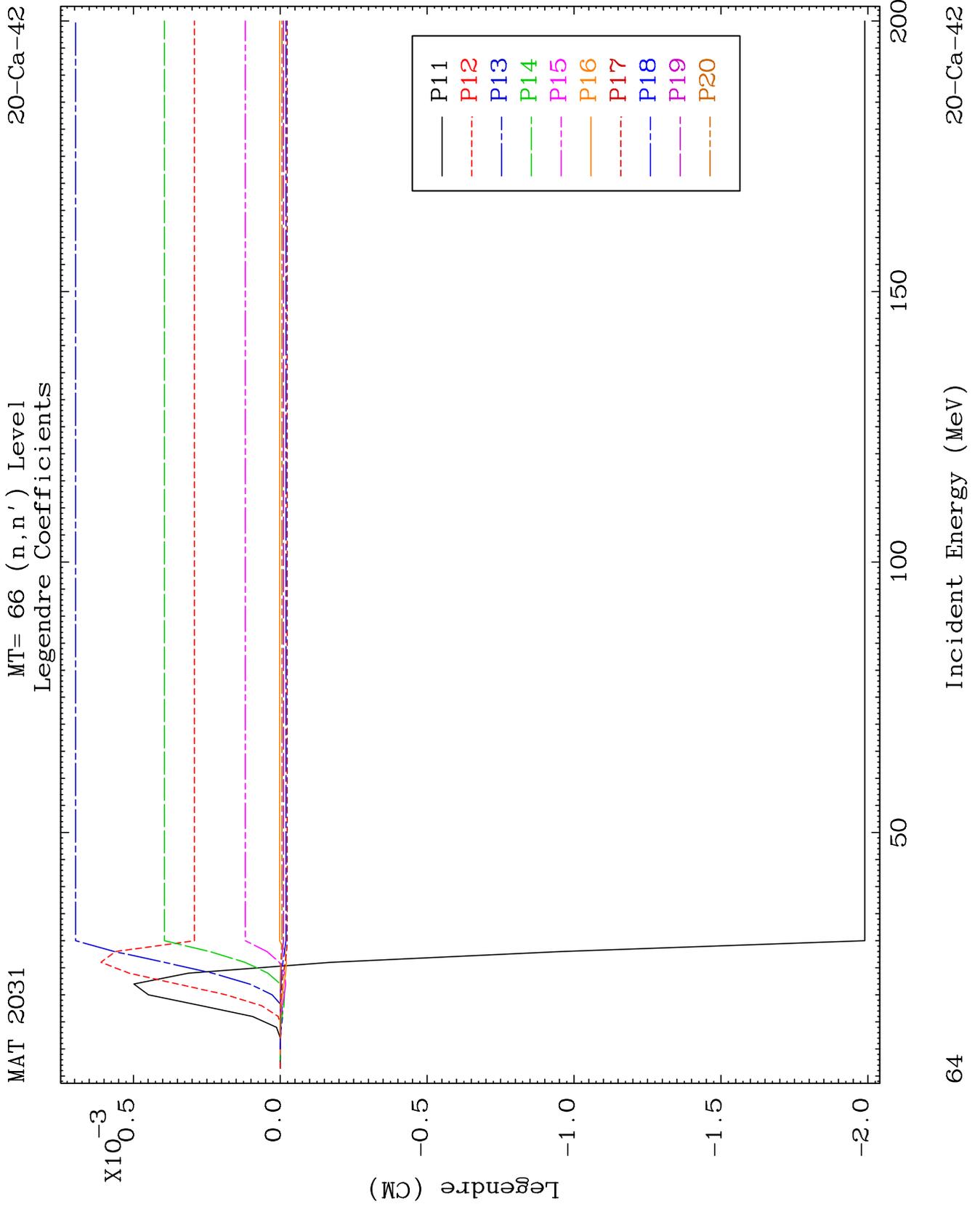
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Legendre Coefficients

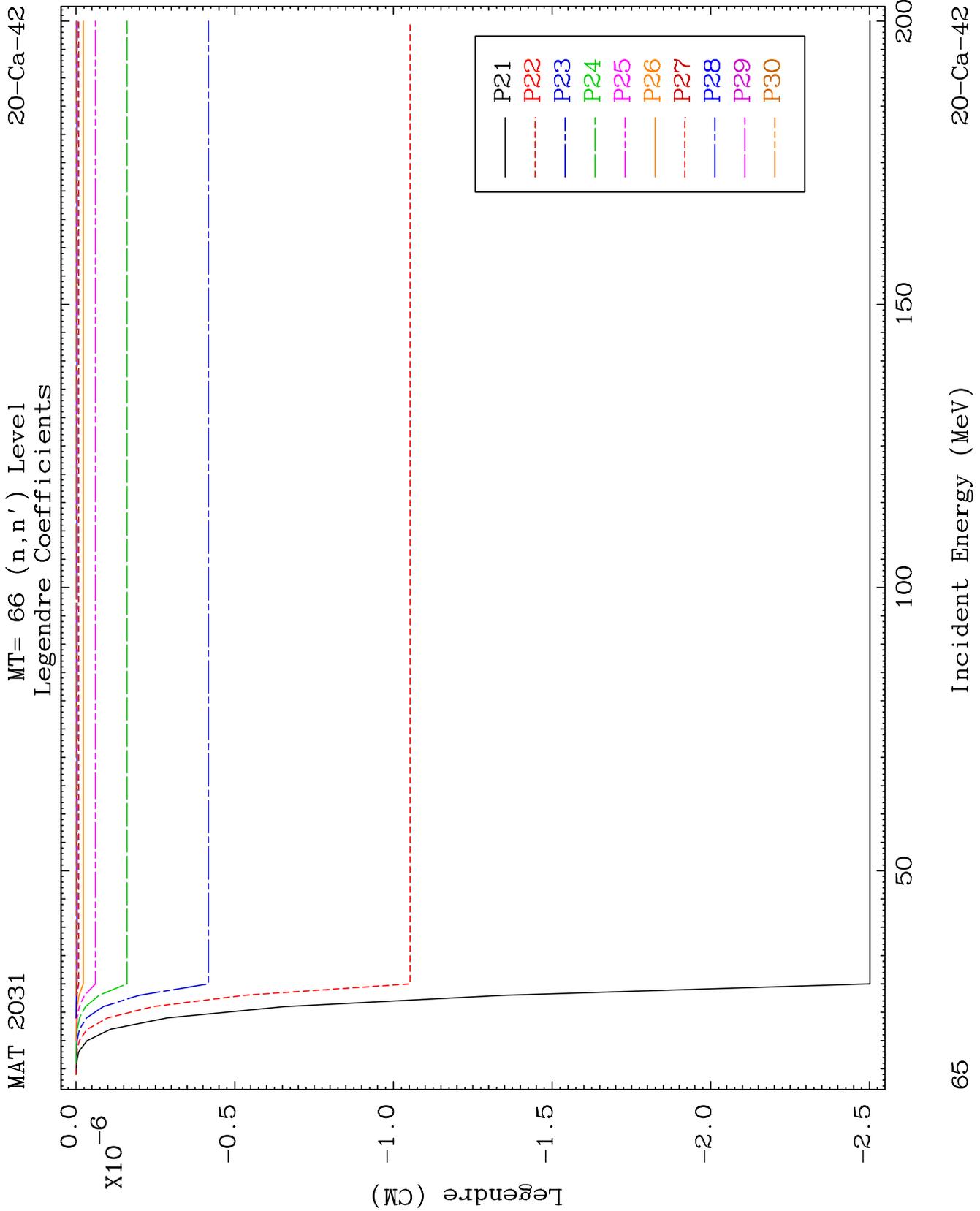
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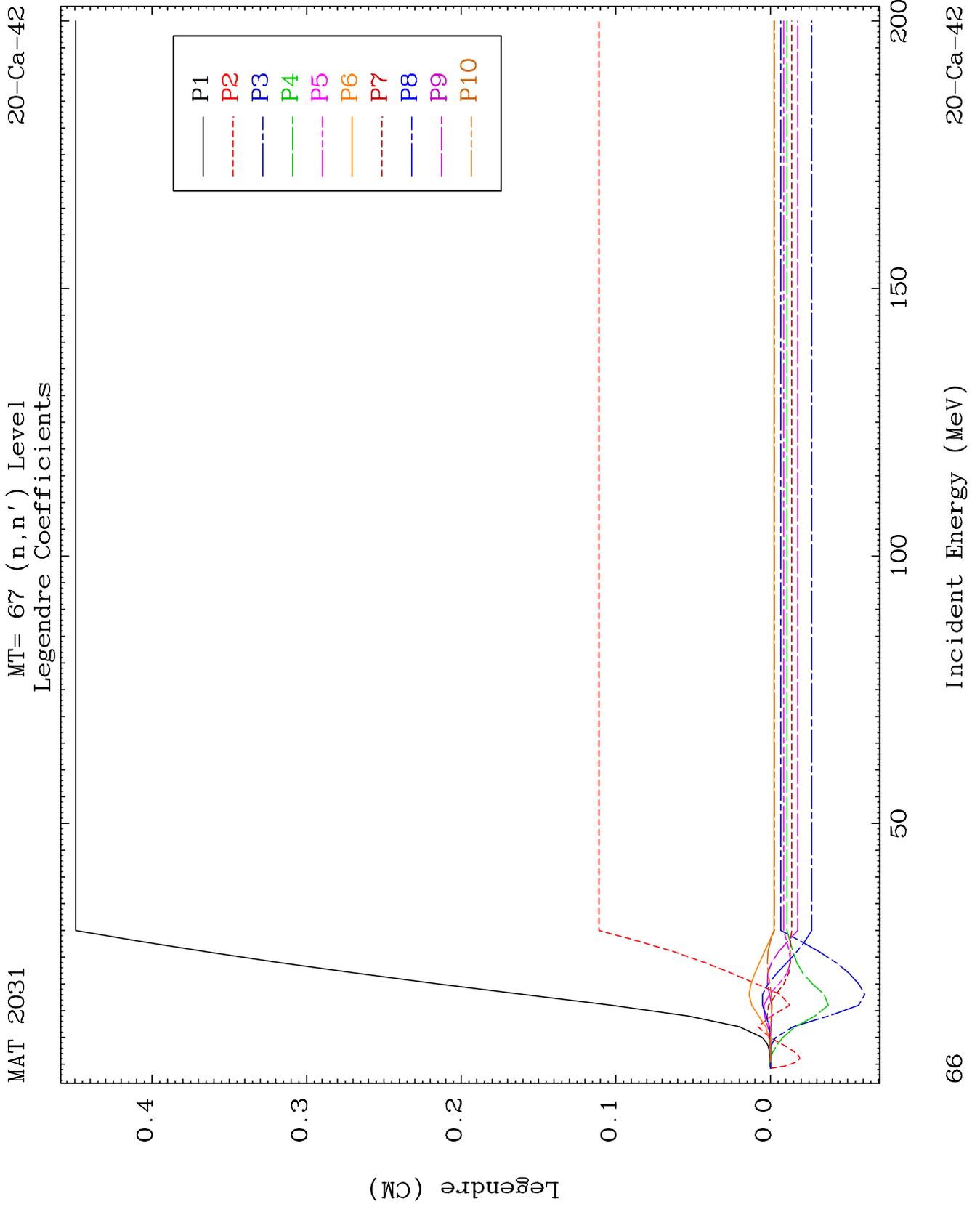








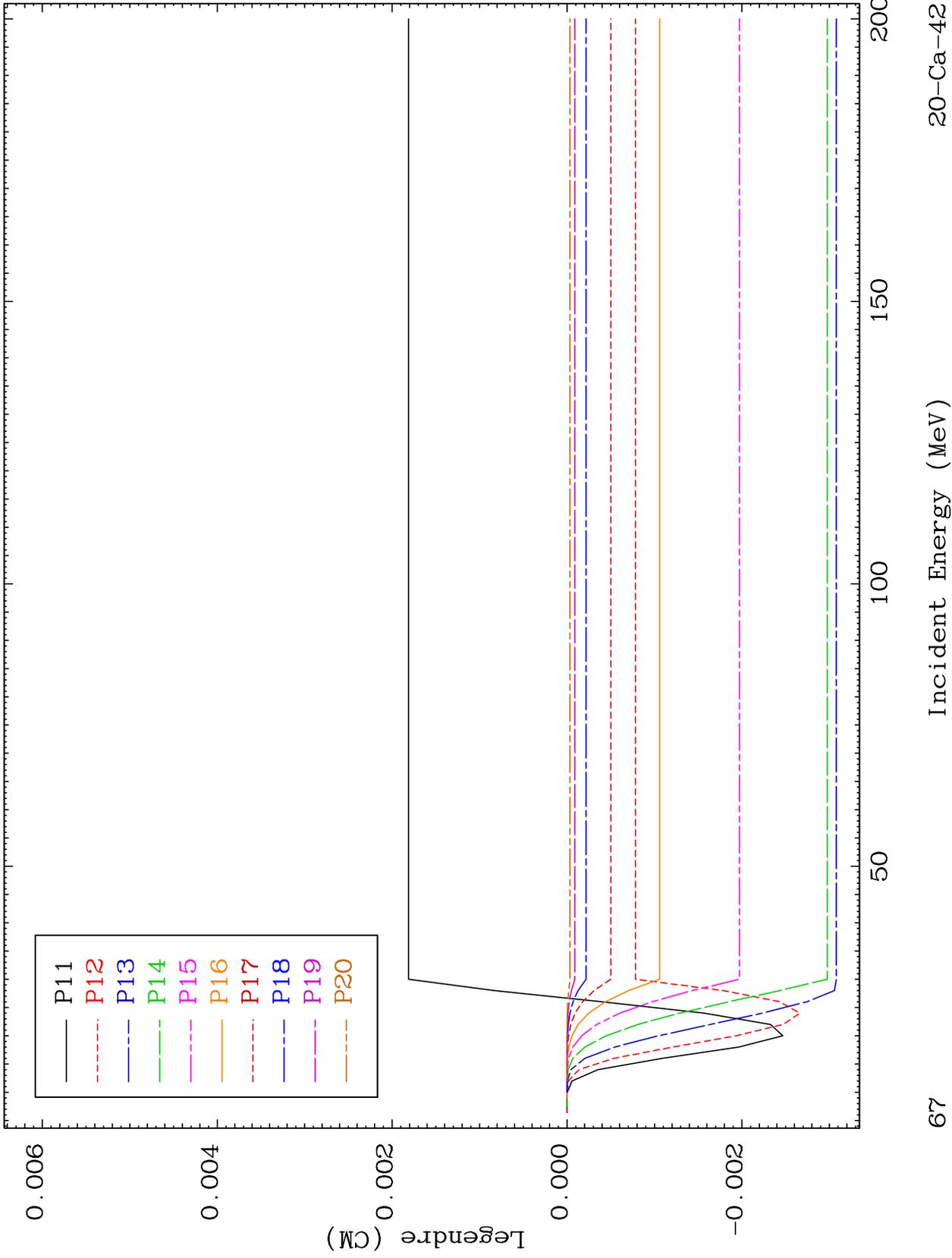




MAT 2031

MT= 67 (n,n') Level  
Legendre Coefficients

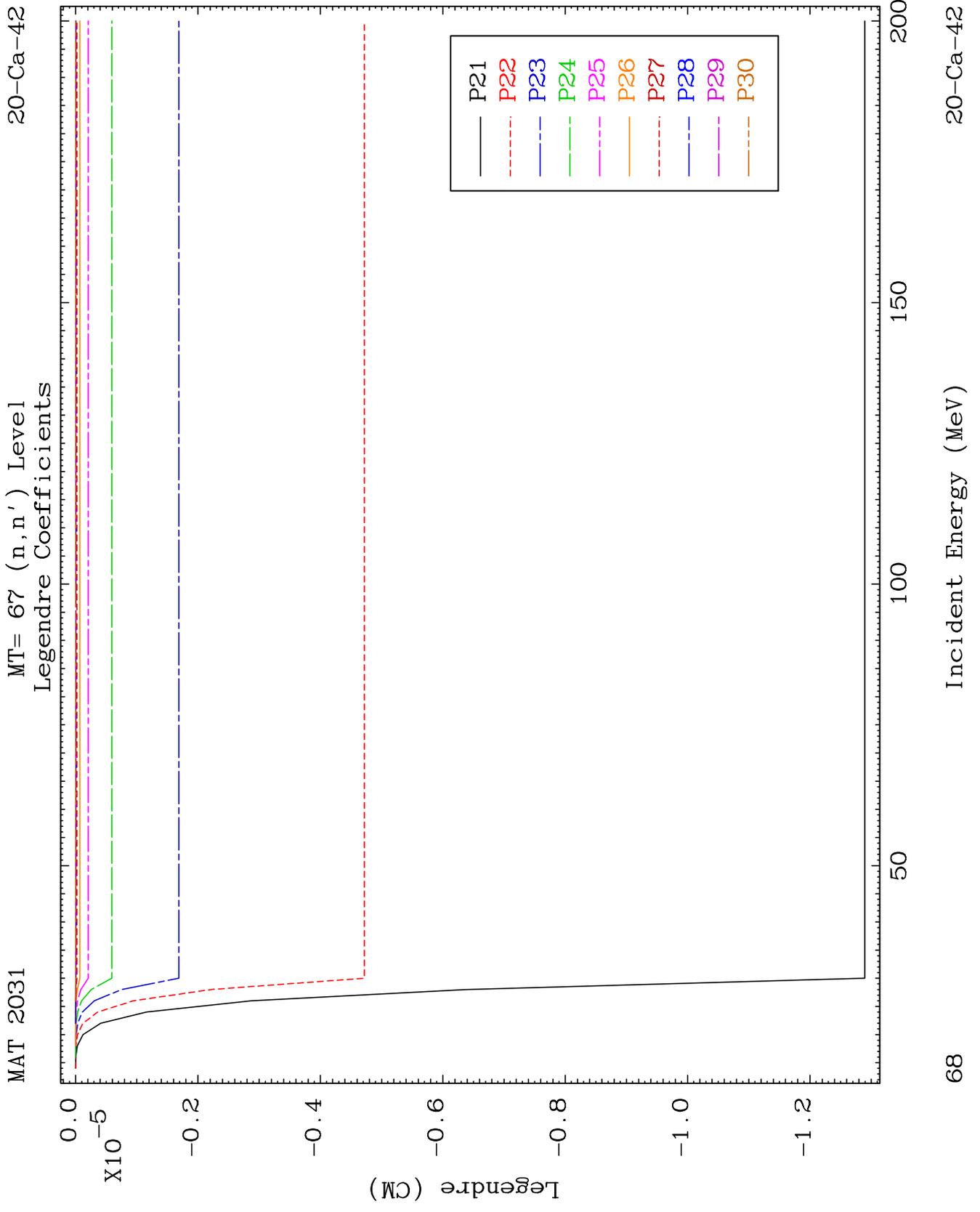
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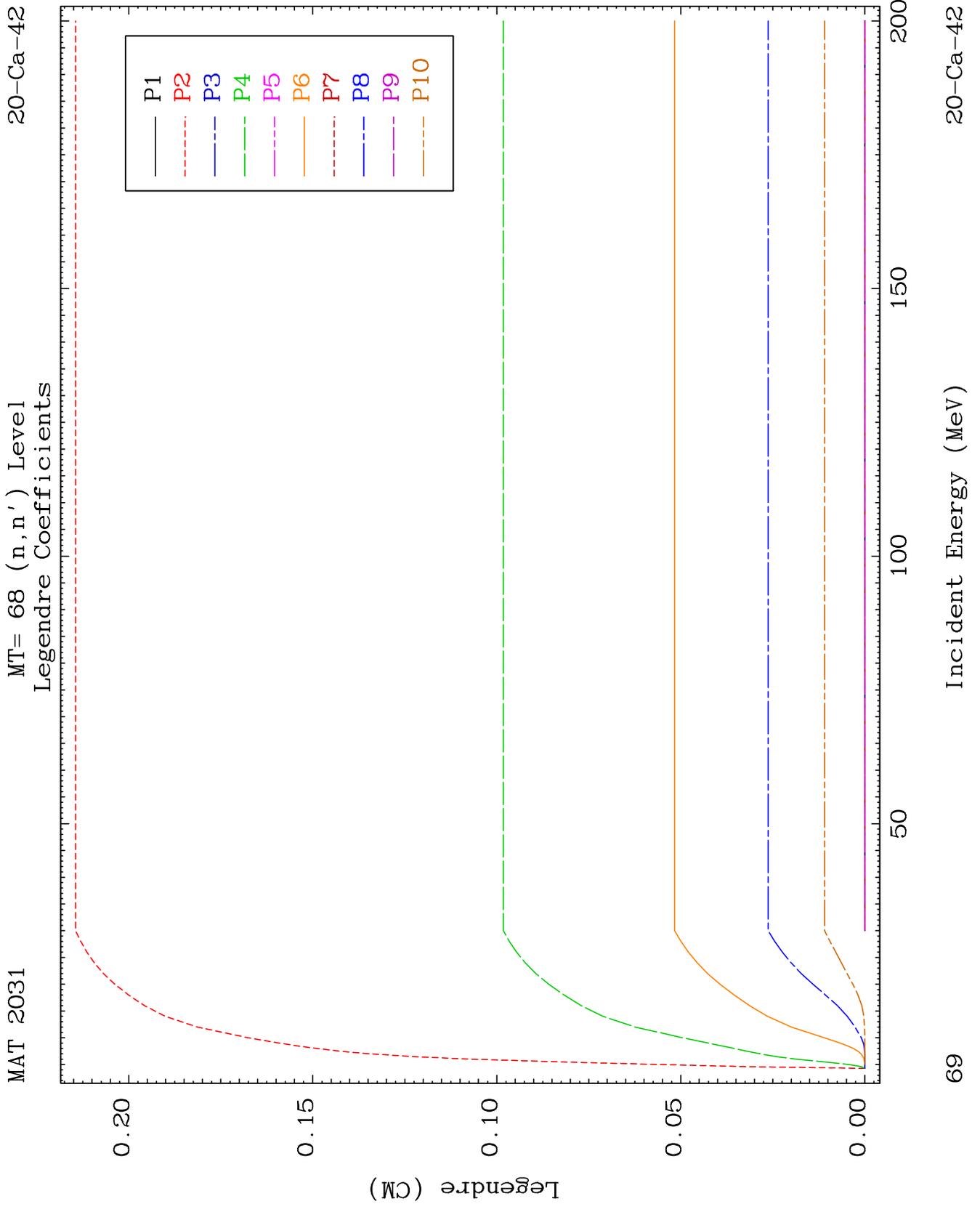


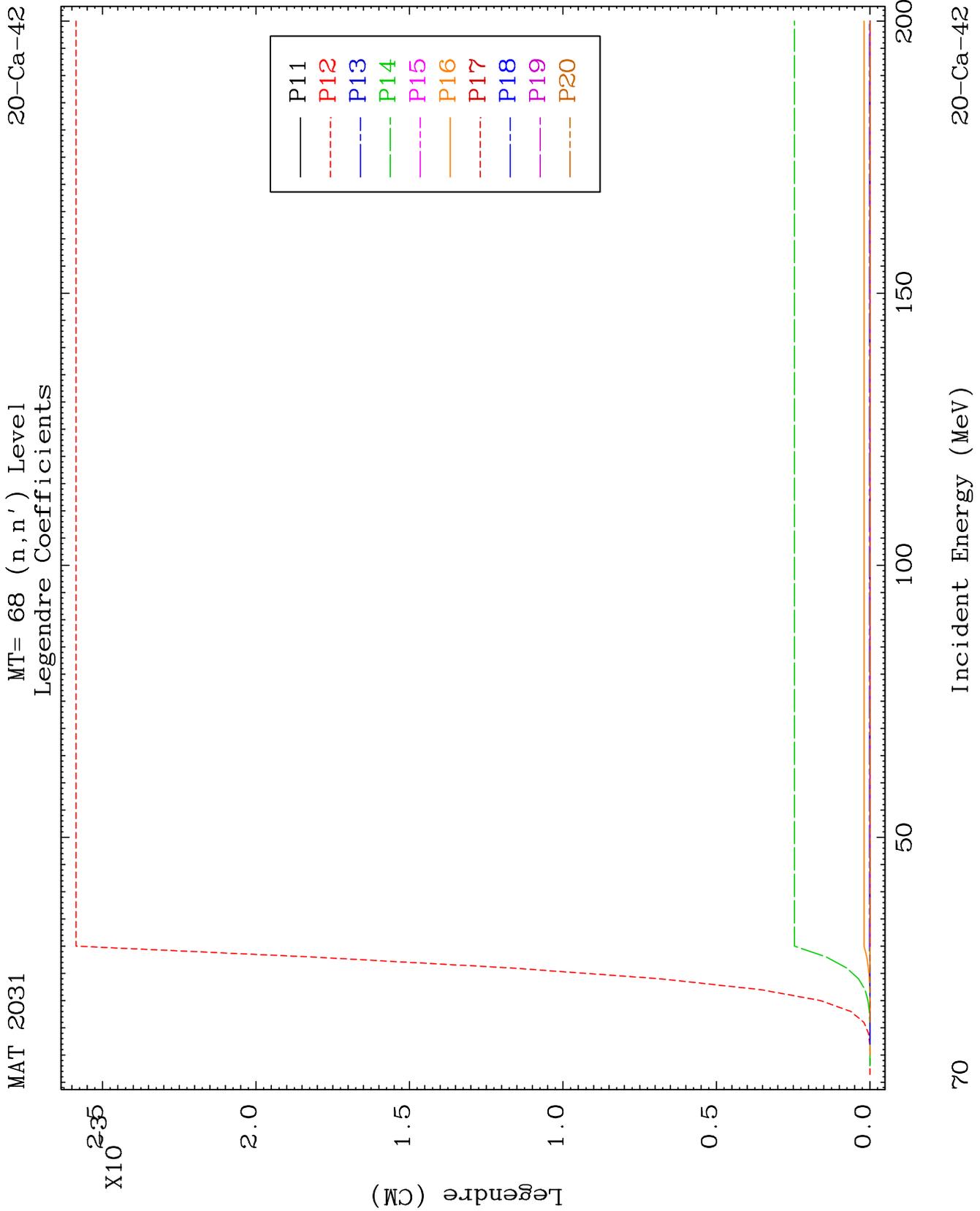
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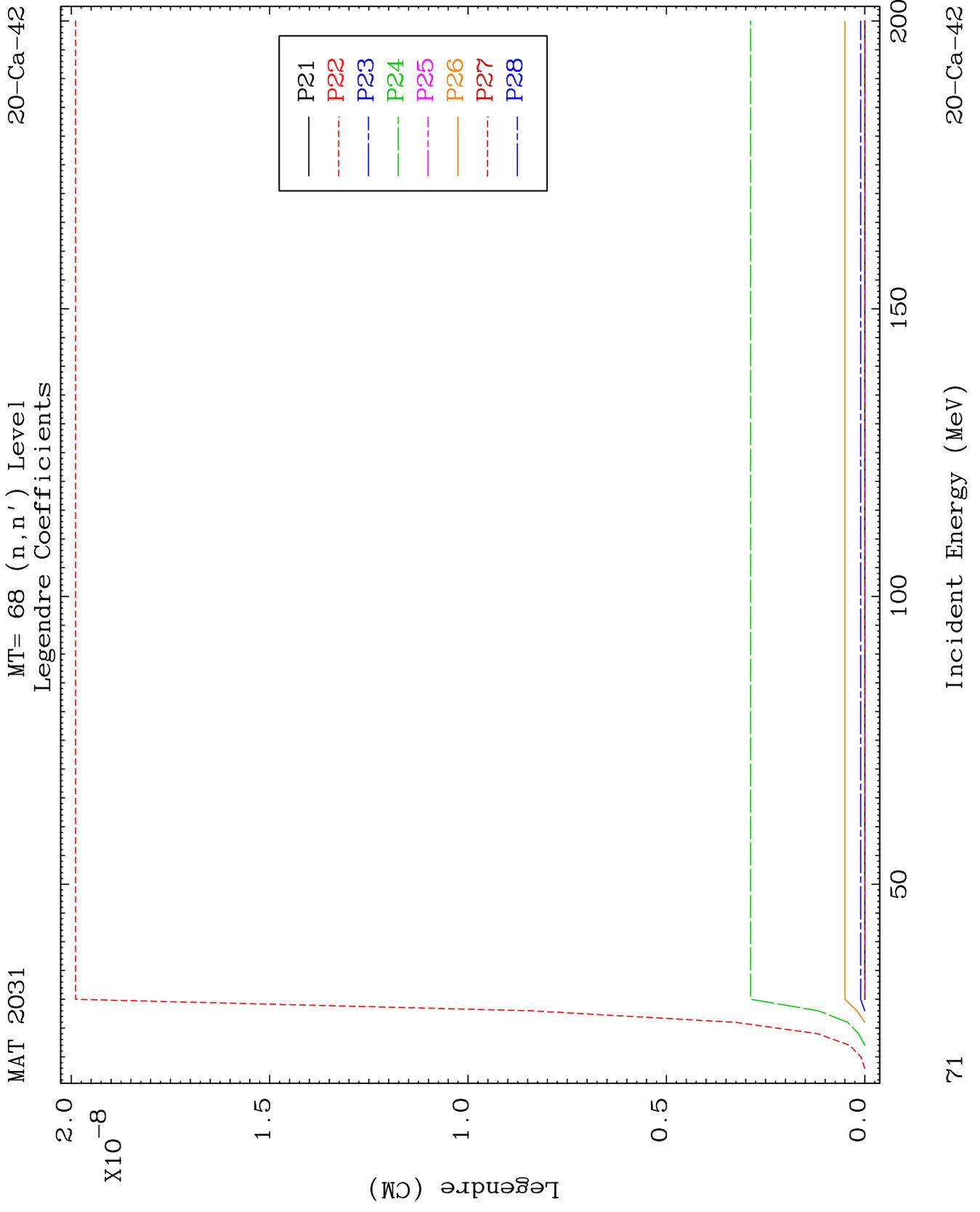
Incident Energy (MeV)

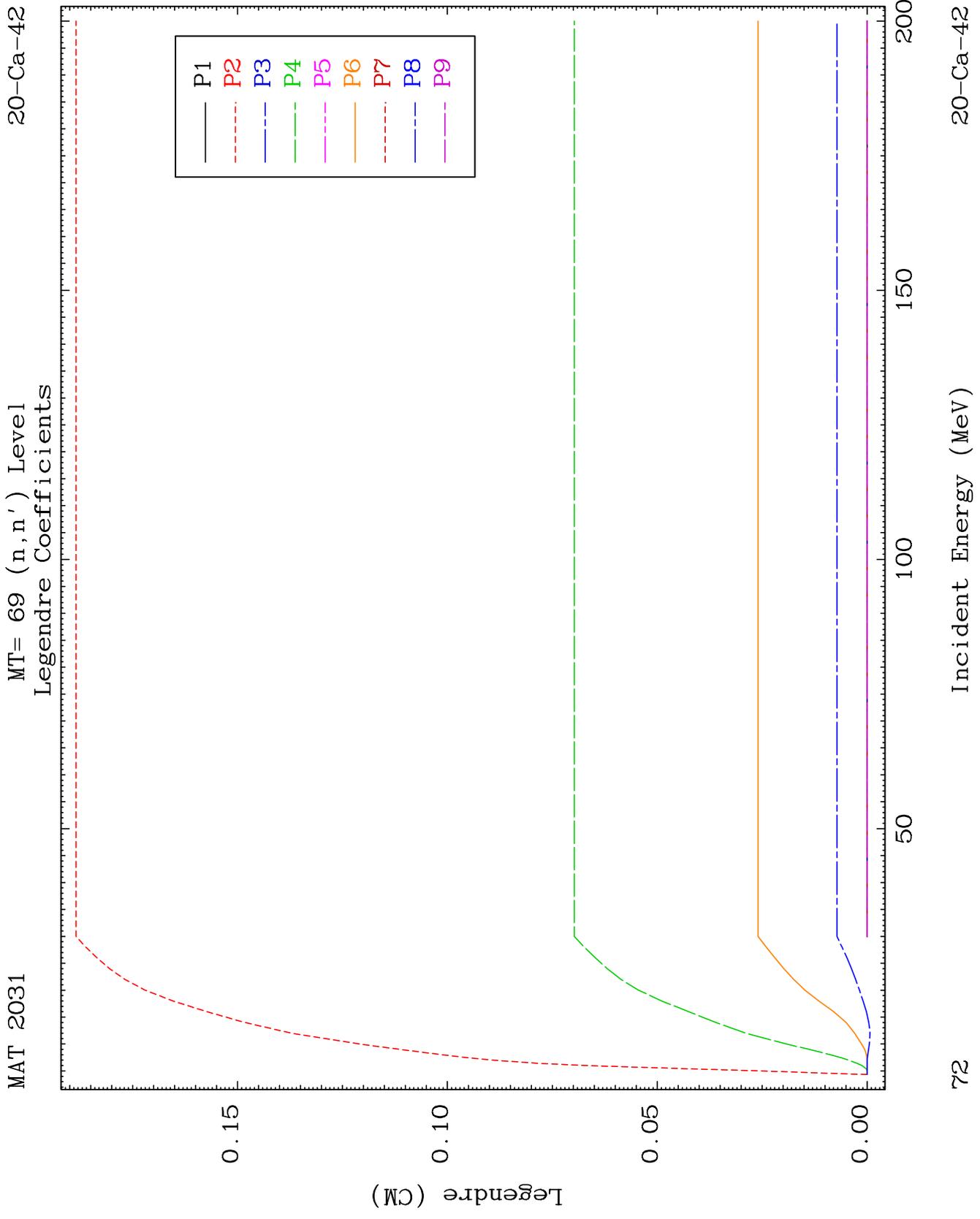
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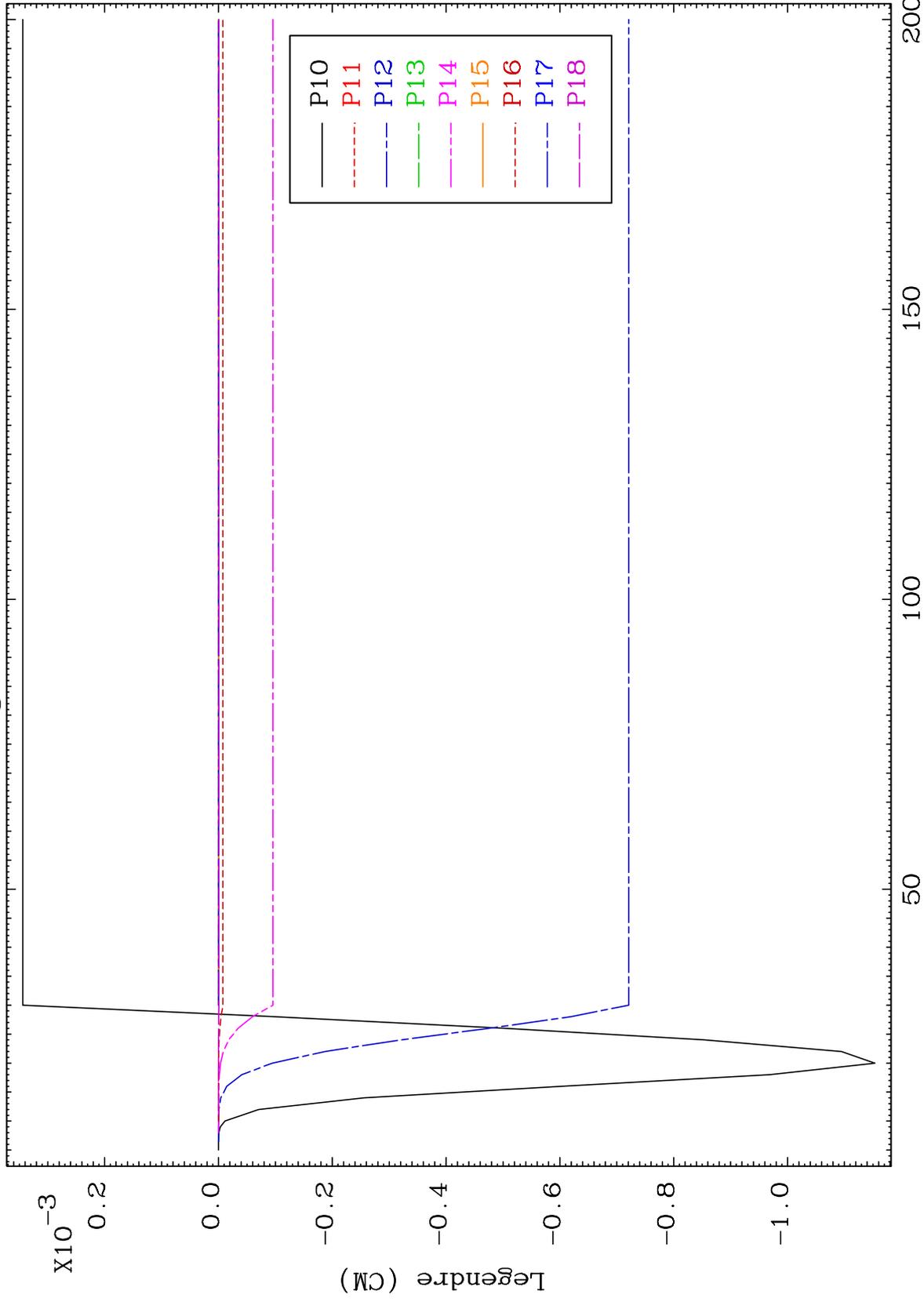




MAT 2031

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

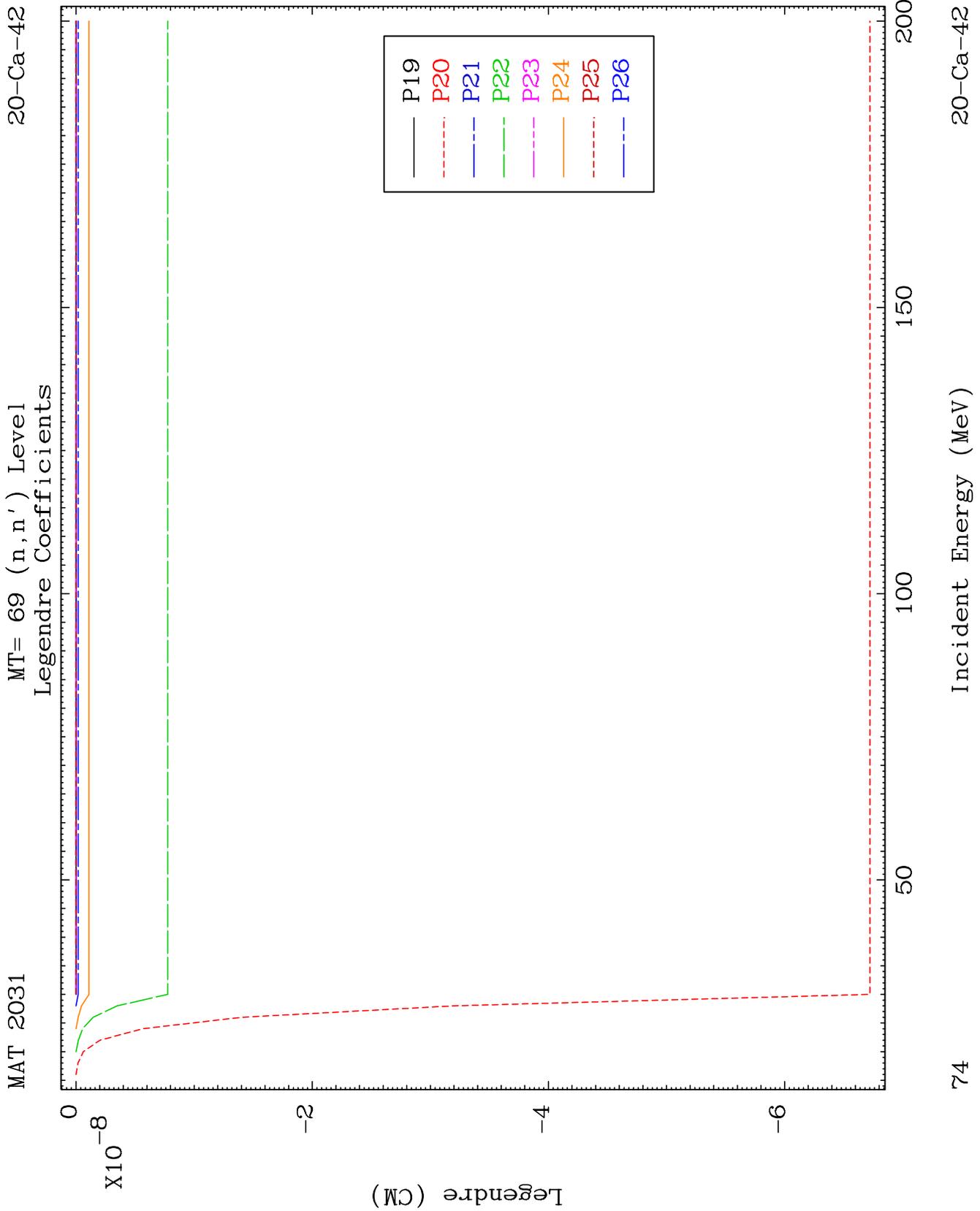
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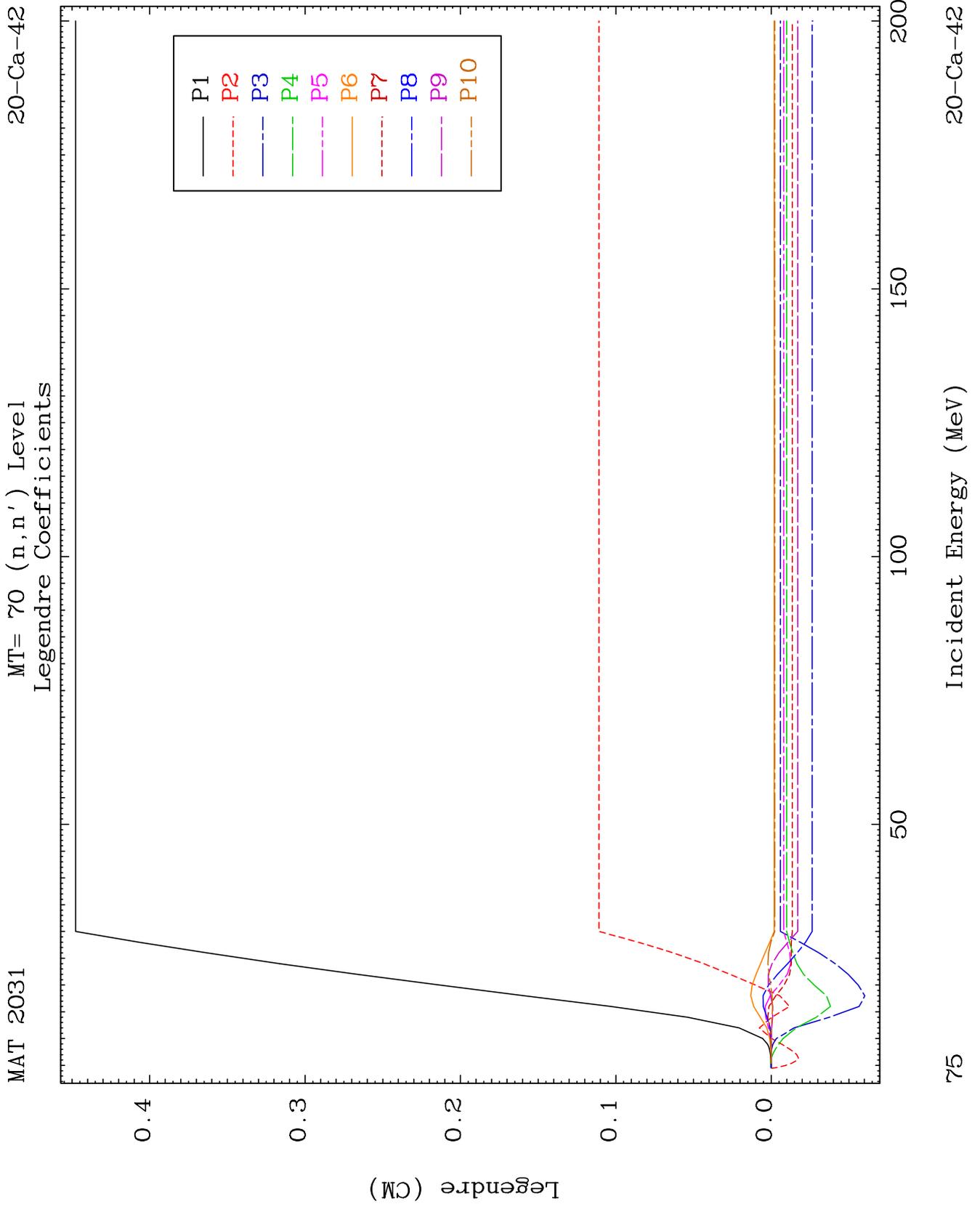


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Incident Energy (MeV)

20-Ca-42

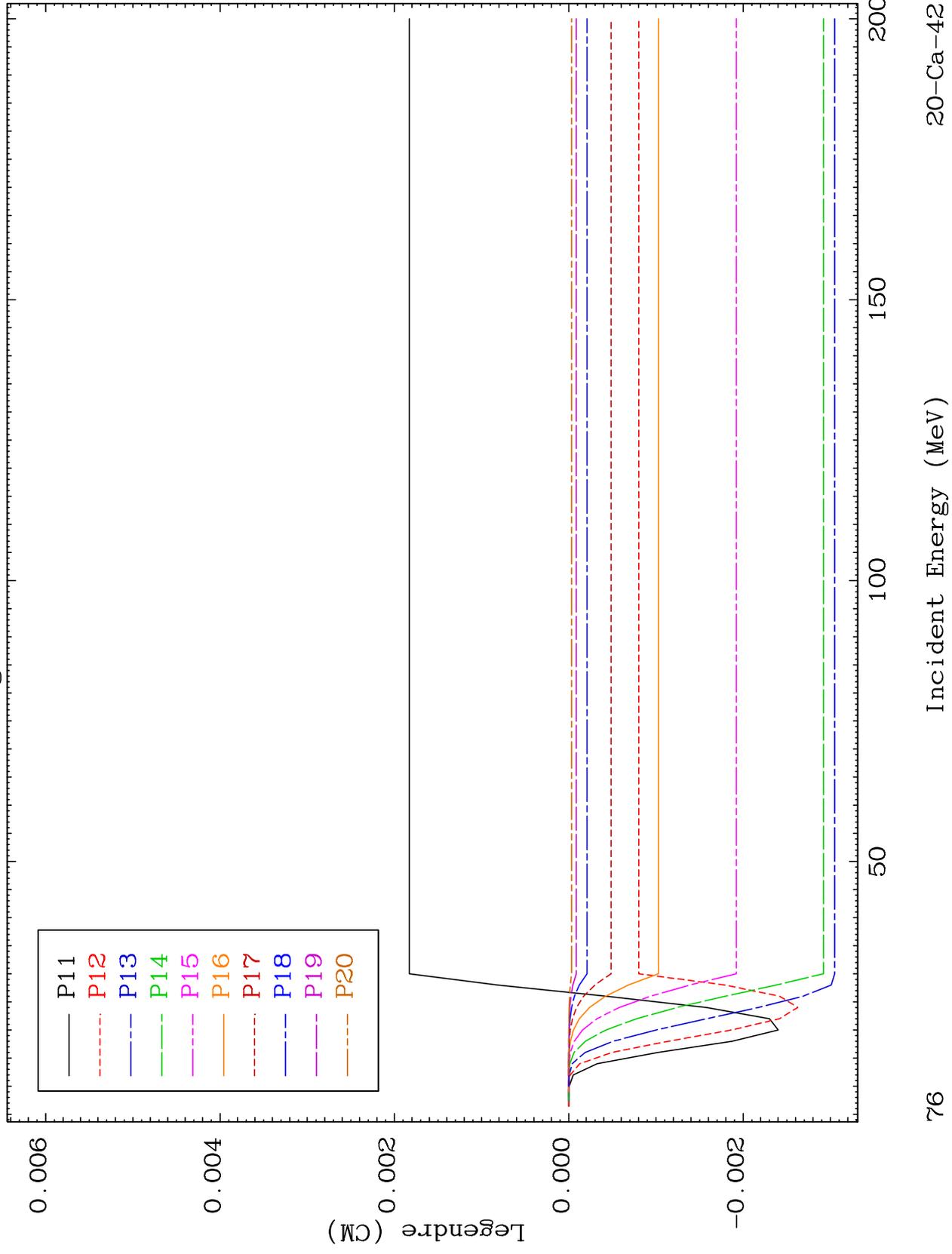




MAT 2031

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

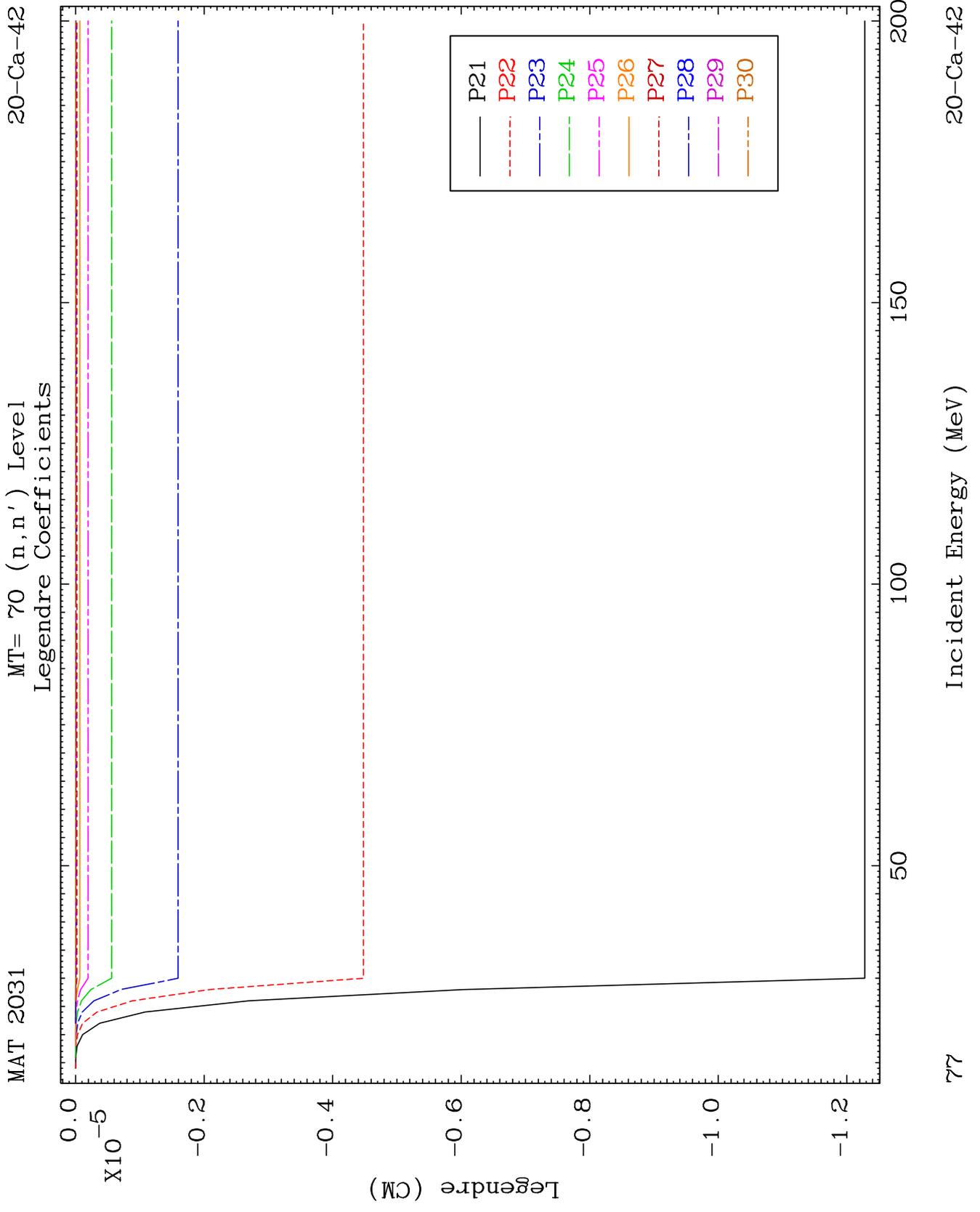
20-Ca-42

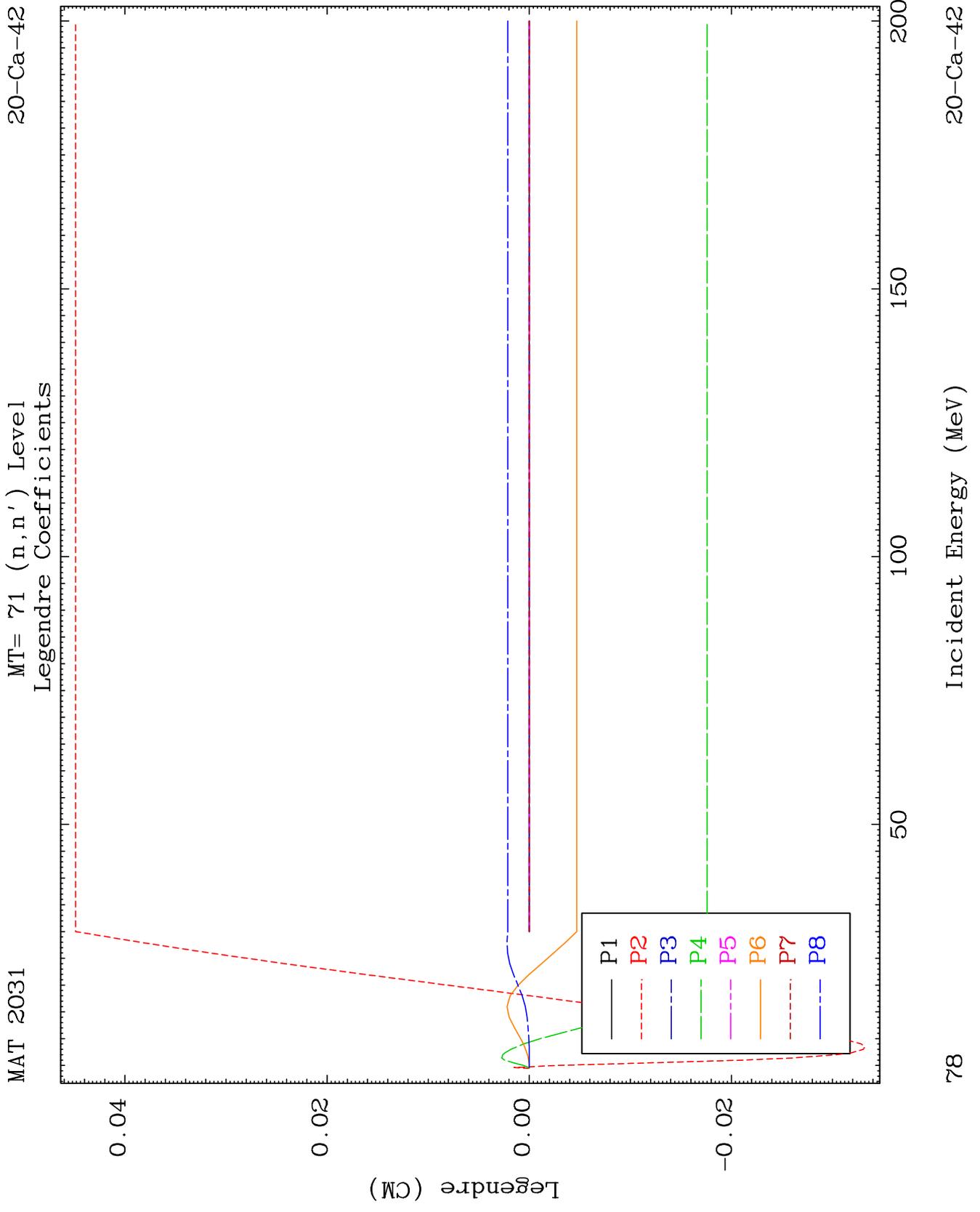


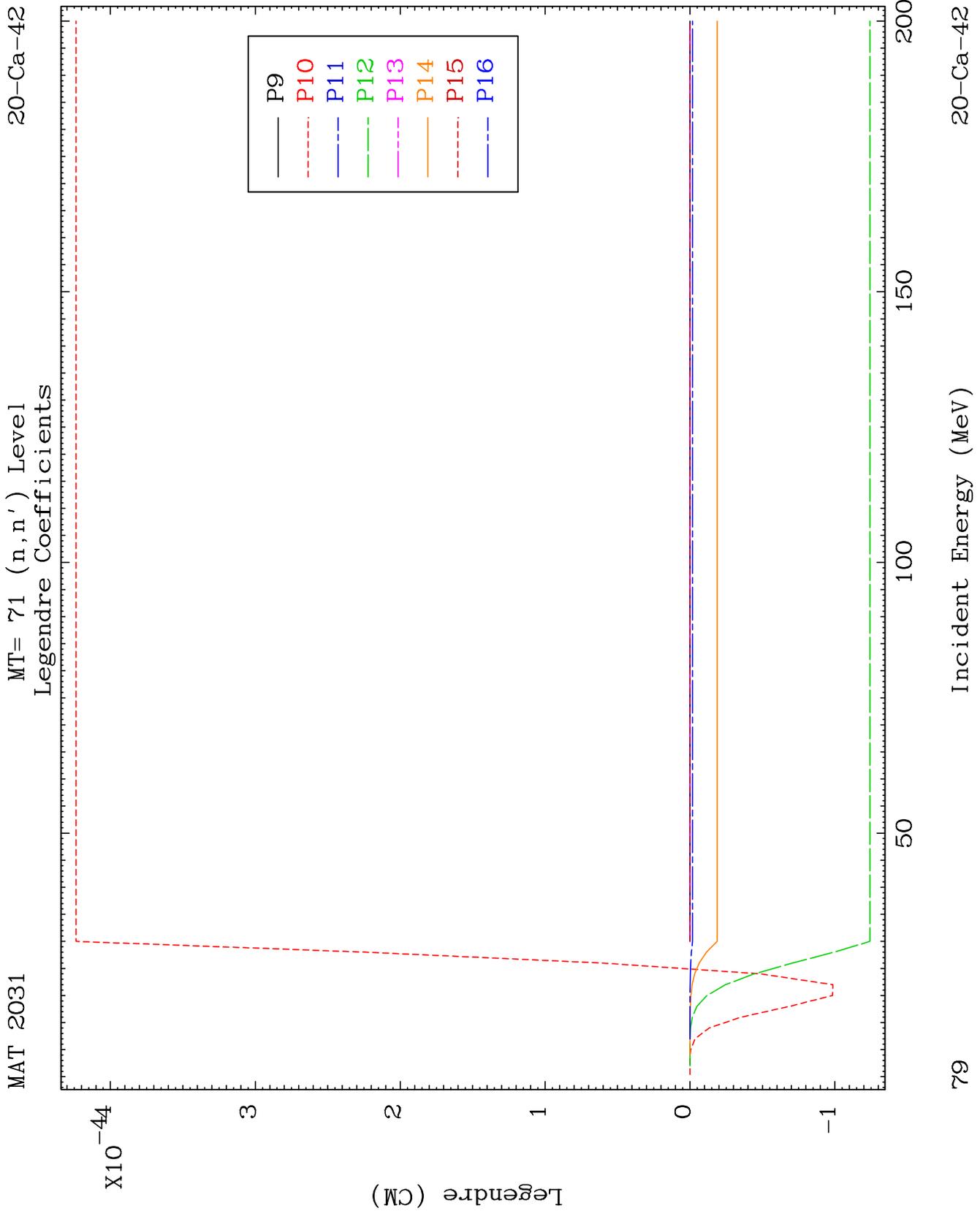
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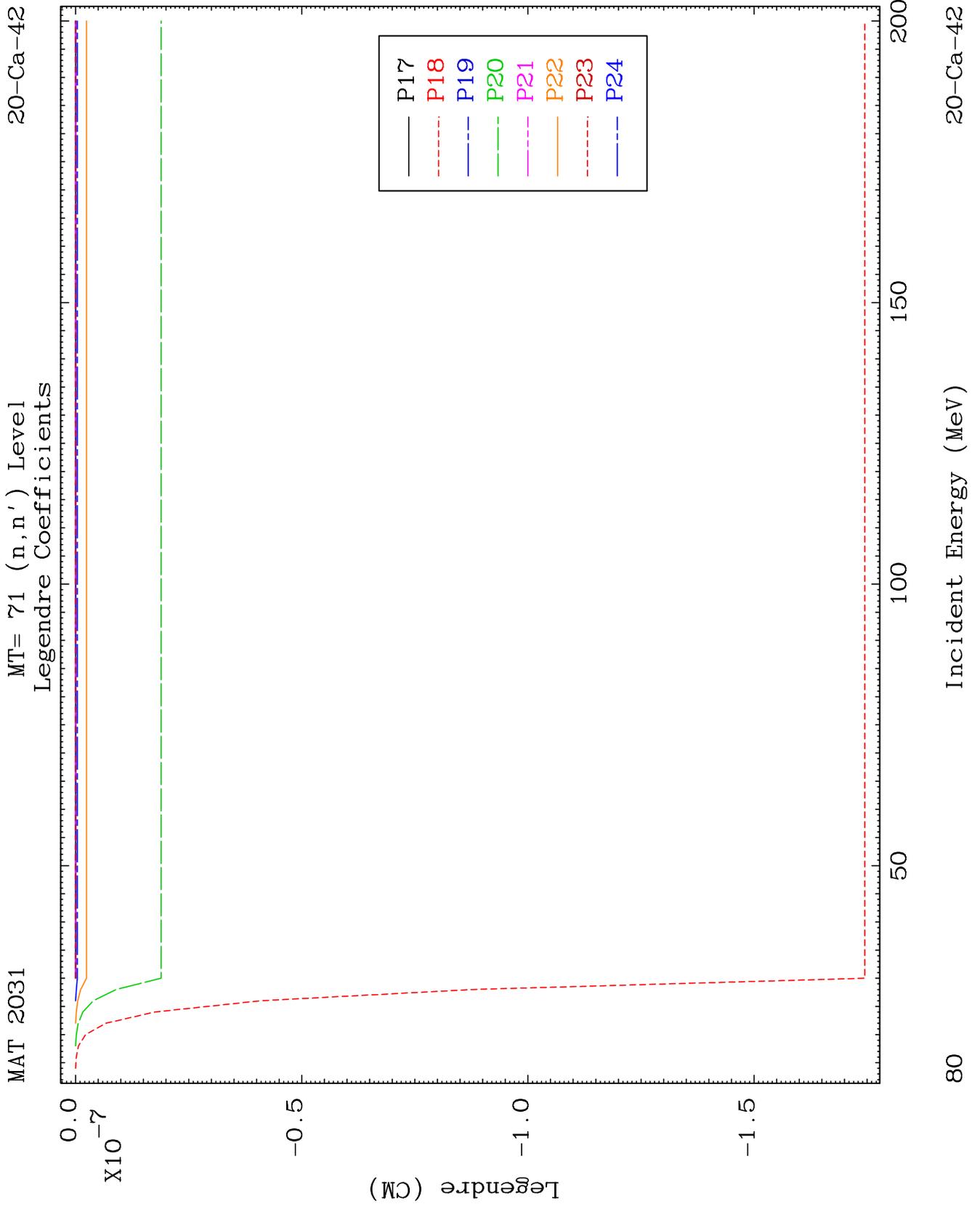
Incident Energy (MeV)

20-Ca-42







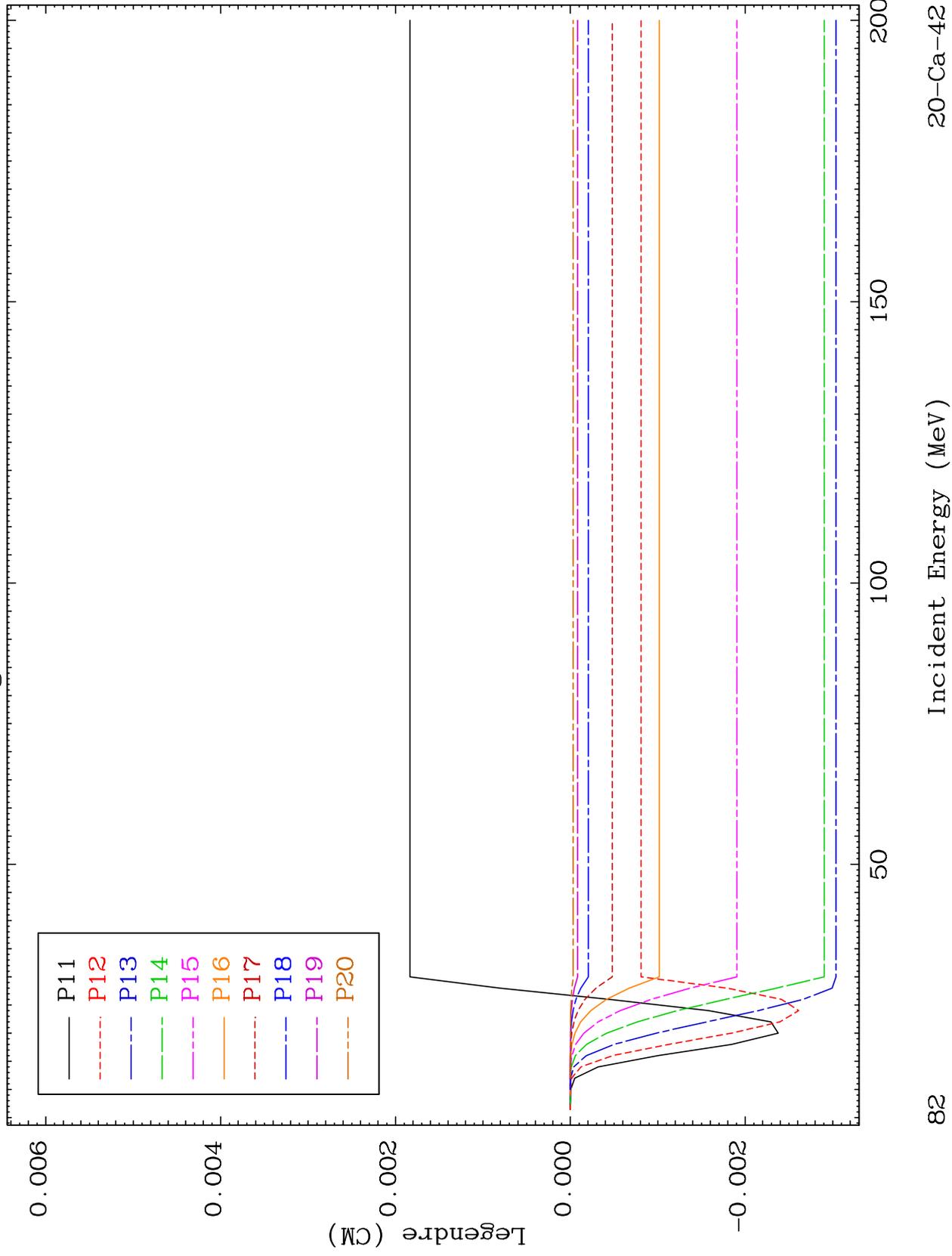


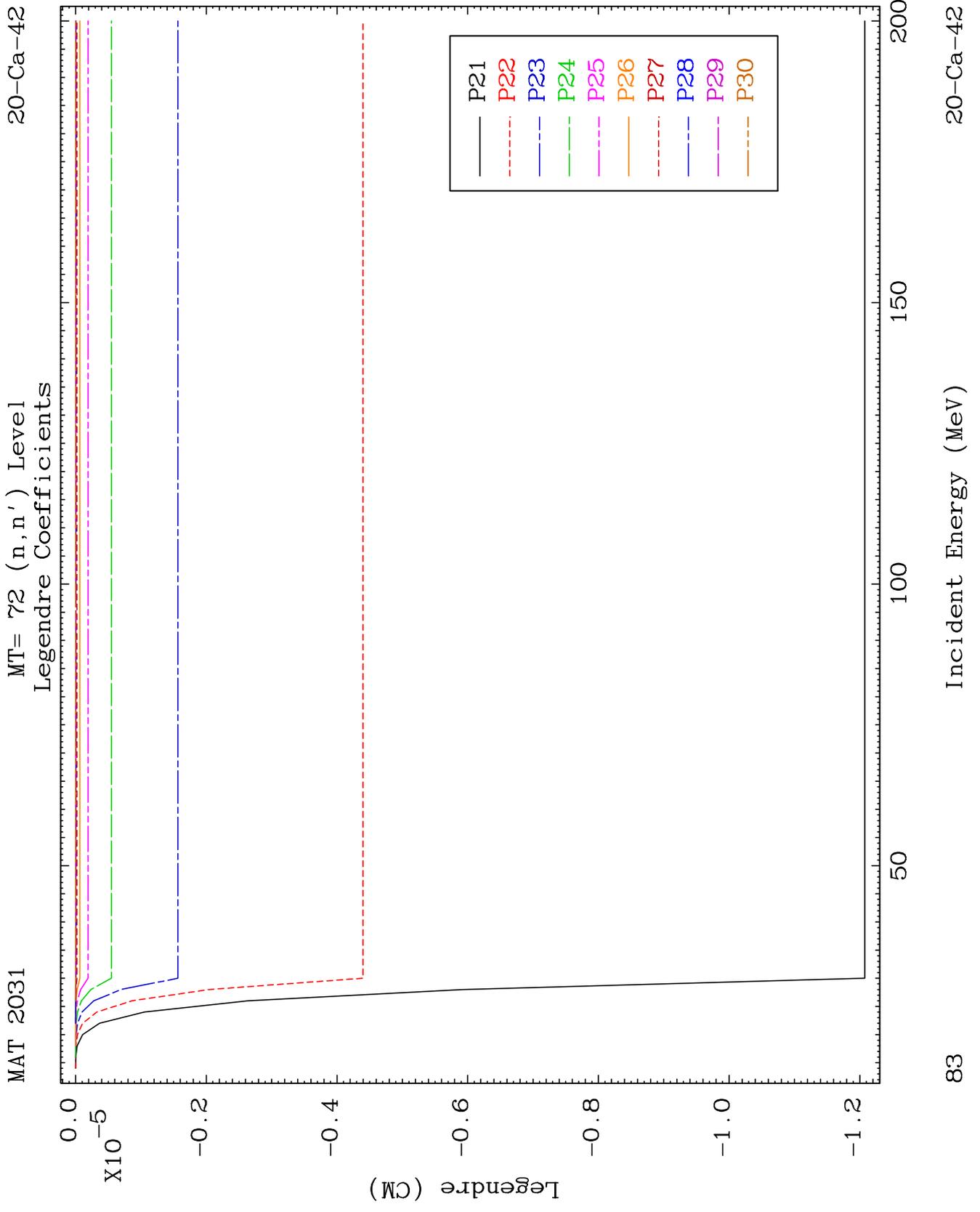


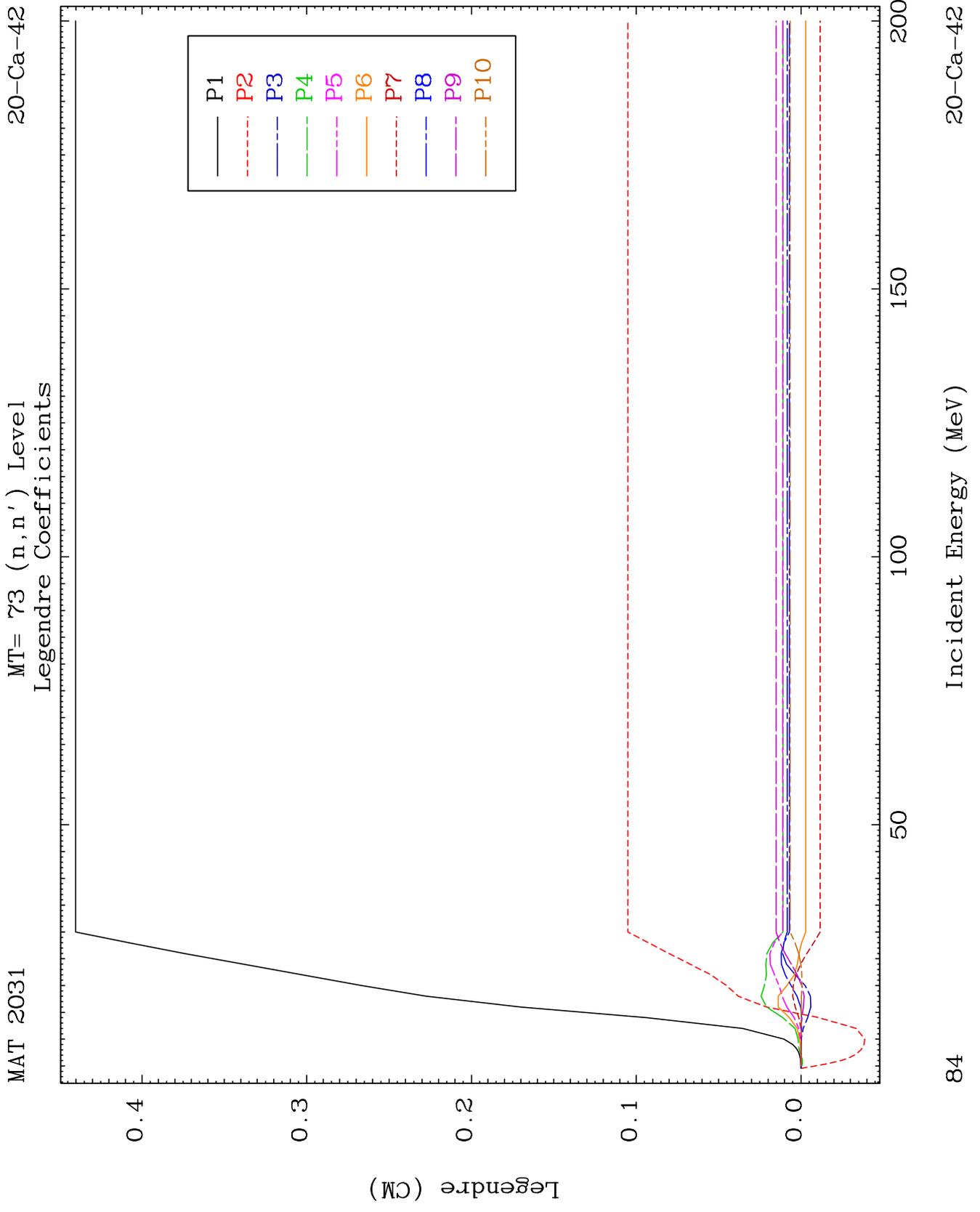
MAT 2031

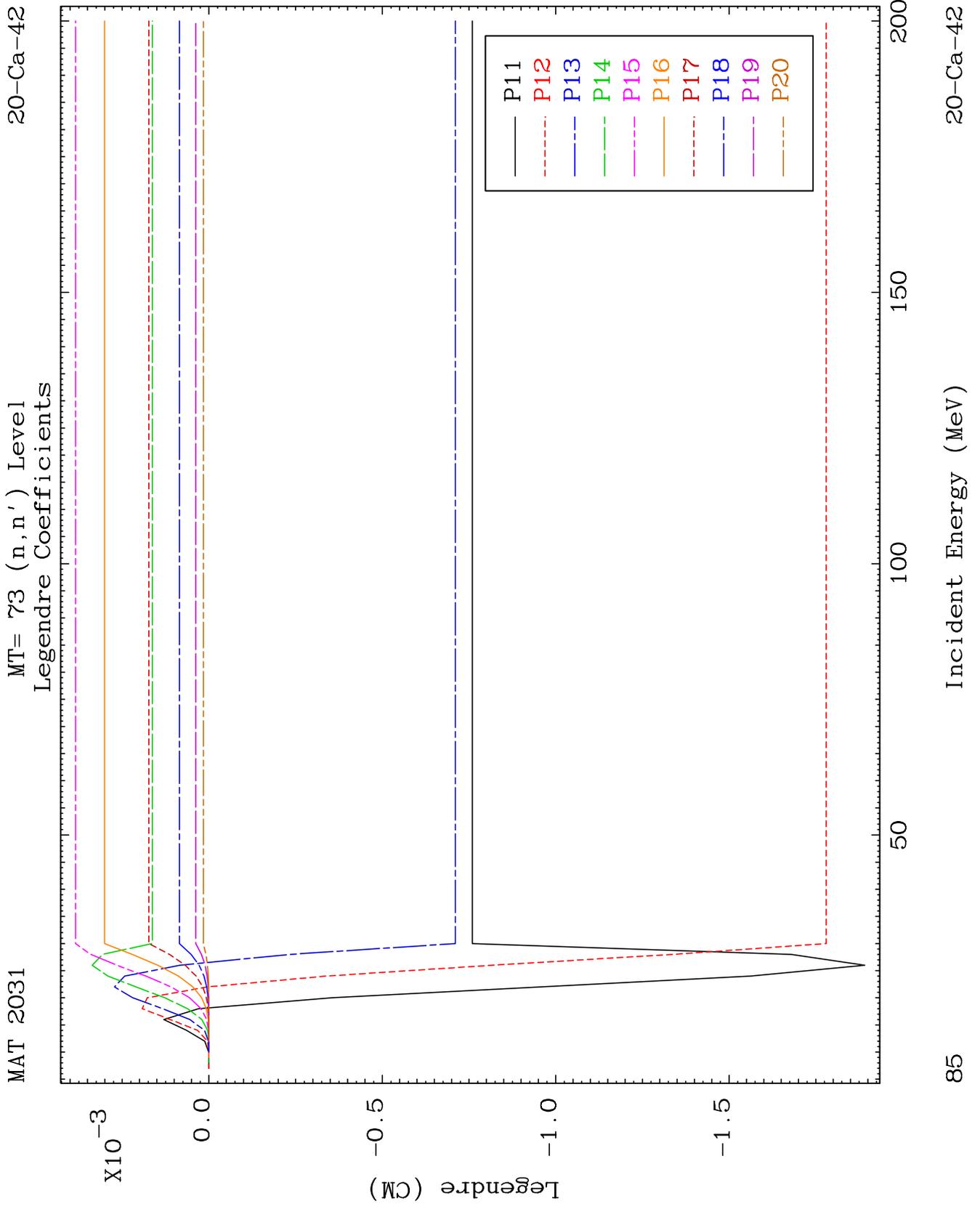
MT= 72 (n,n') Level  
Legendre Coefficients

20-Ca-42





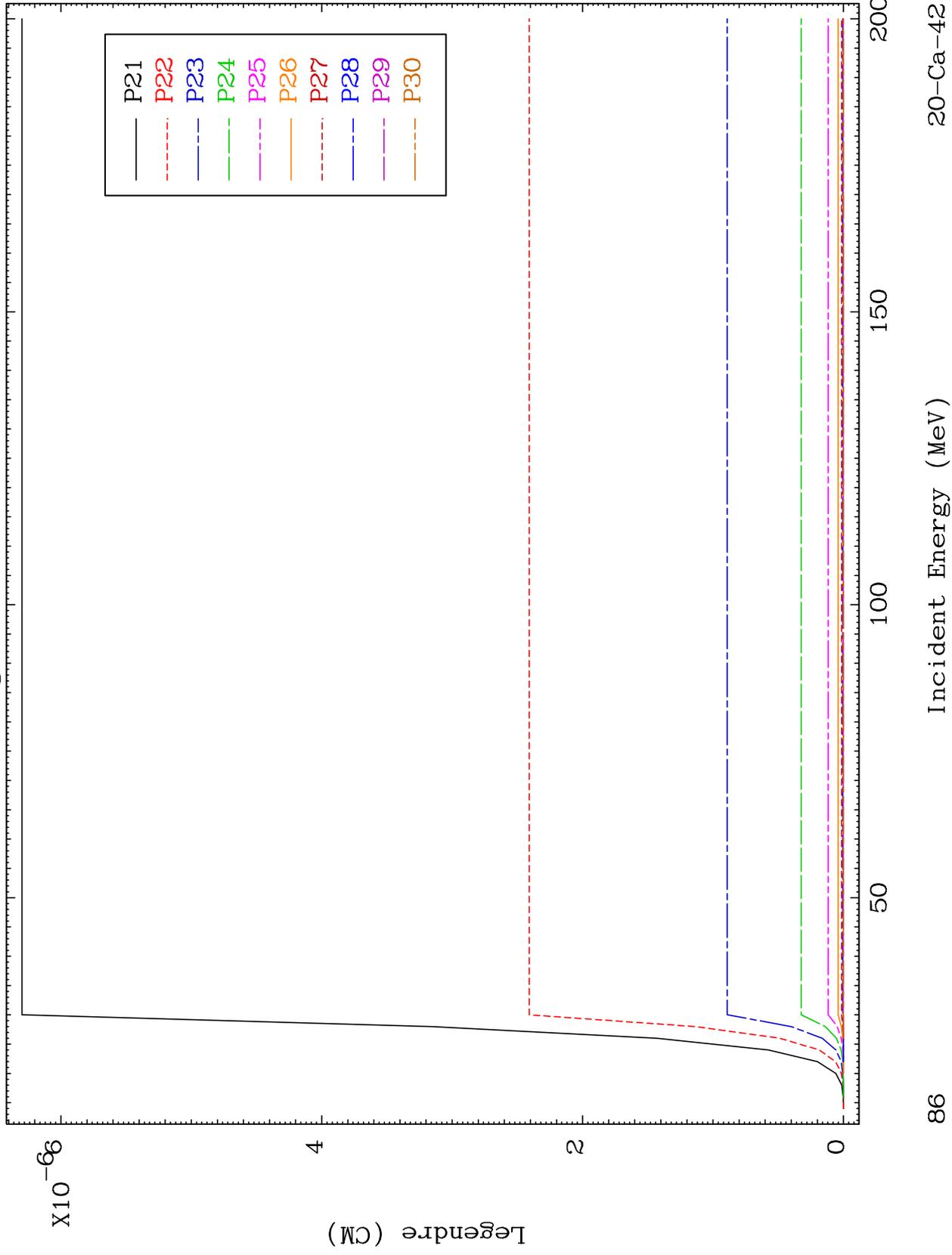




MAT 2031

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

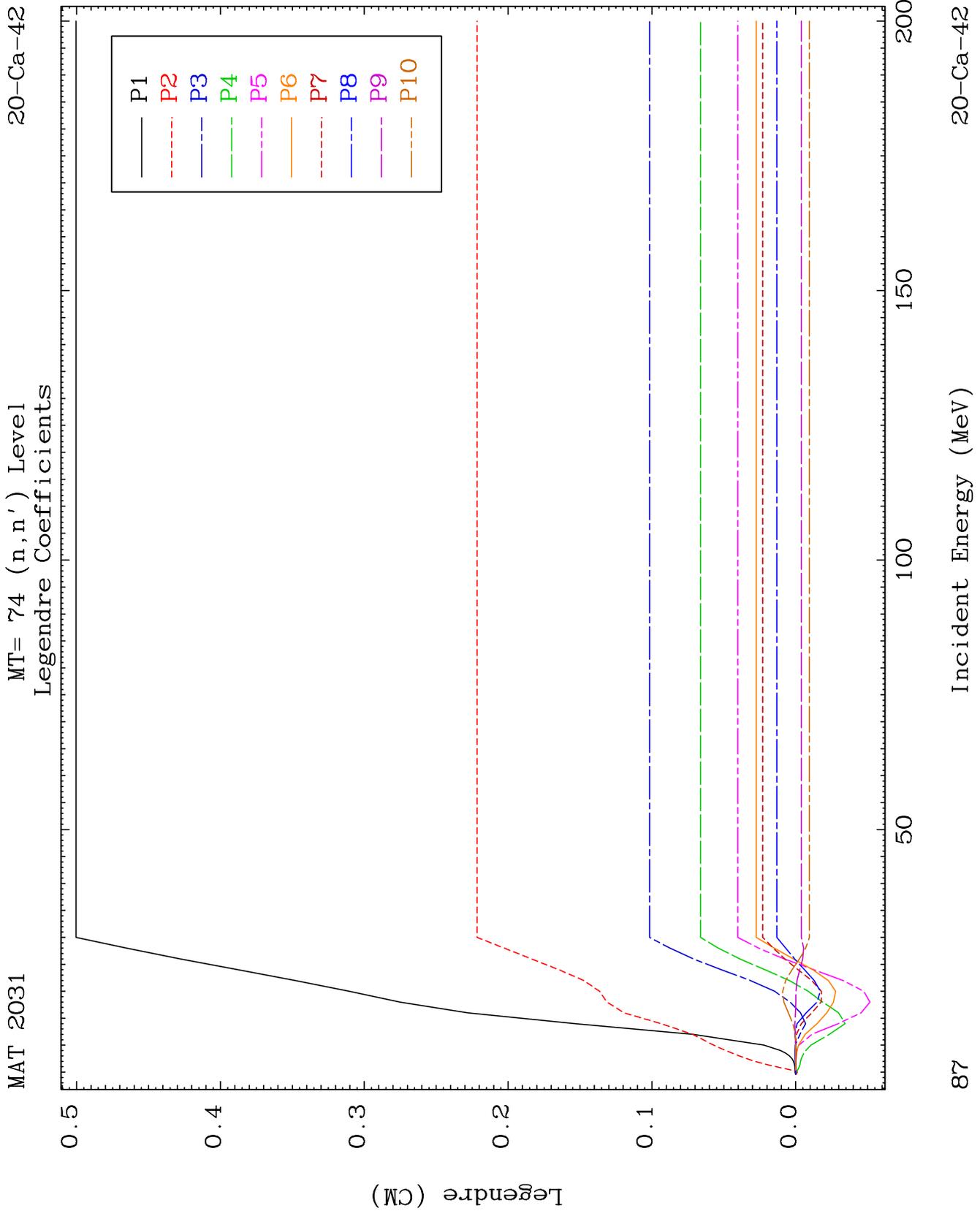
20-Ca-42



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Incident Energy (MeV)

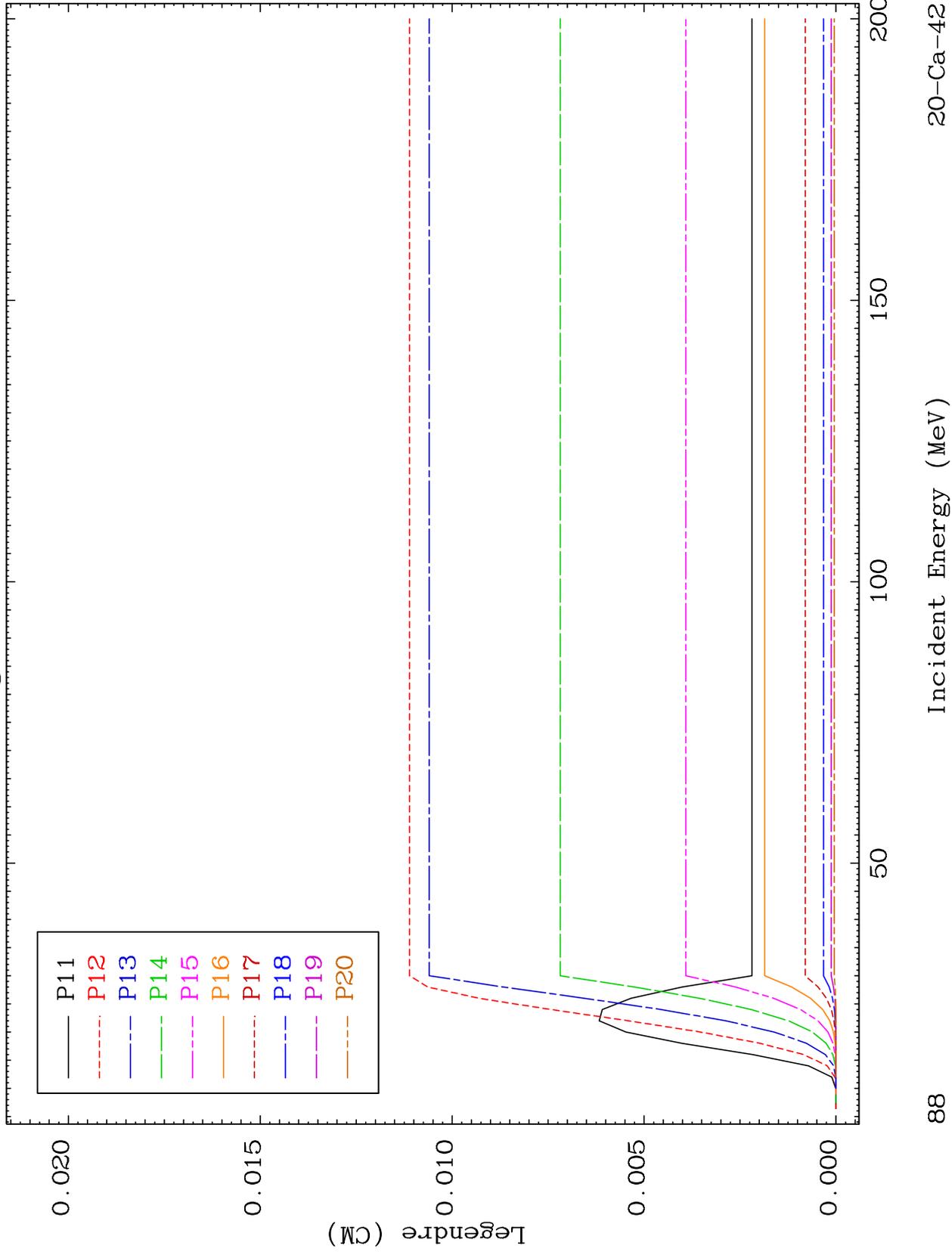
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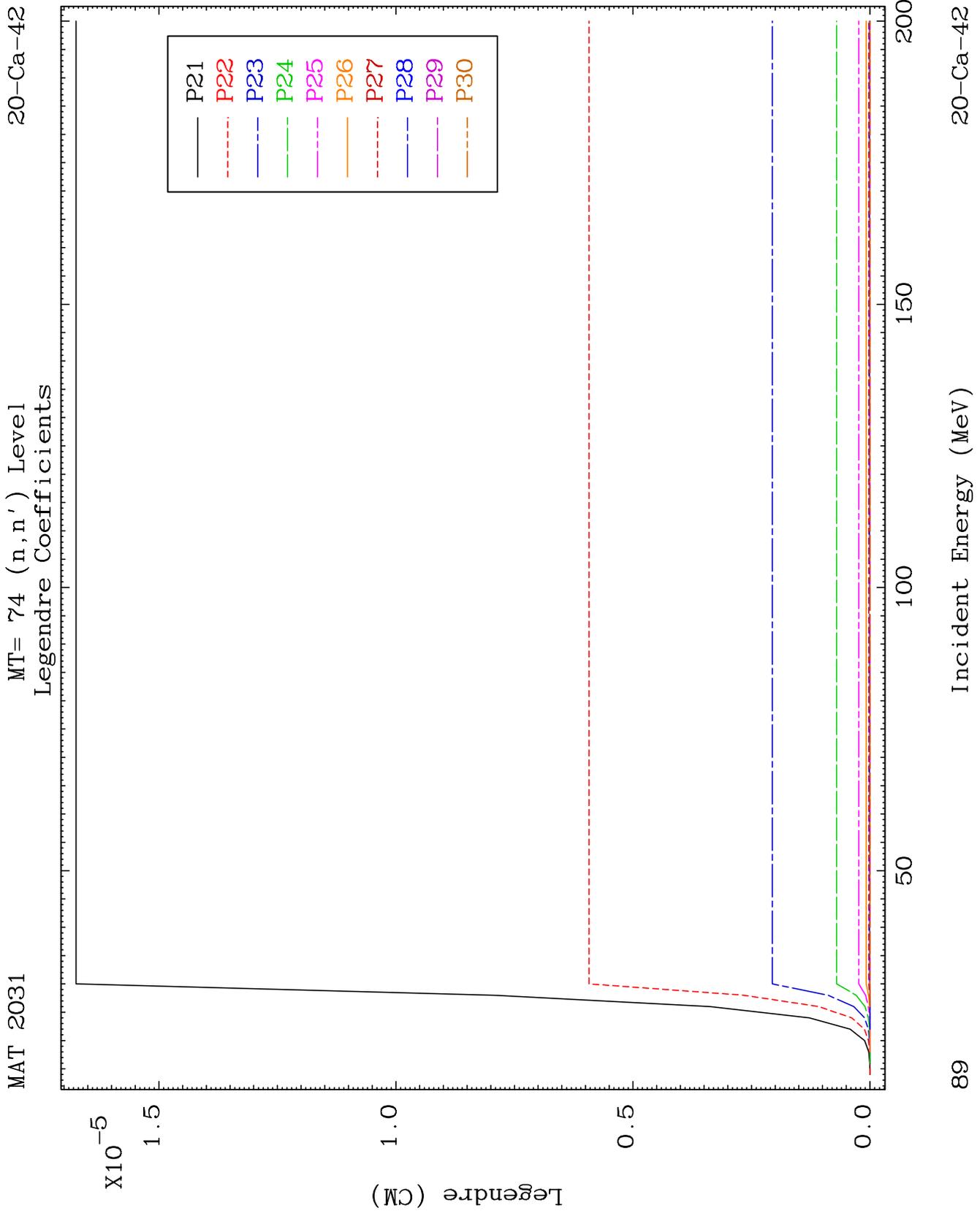


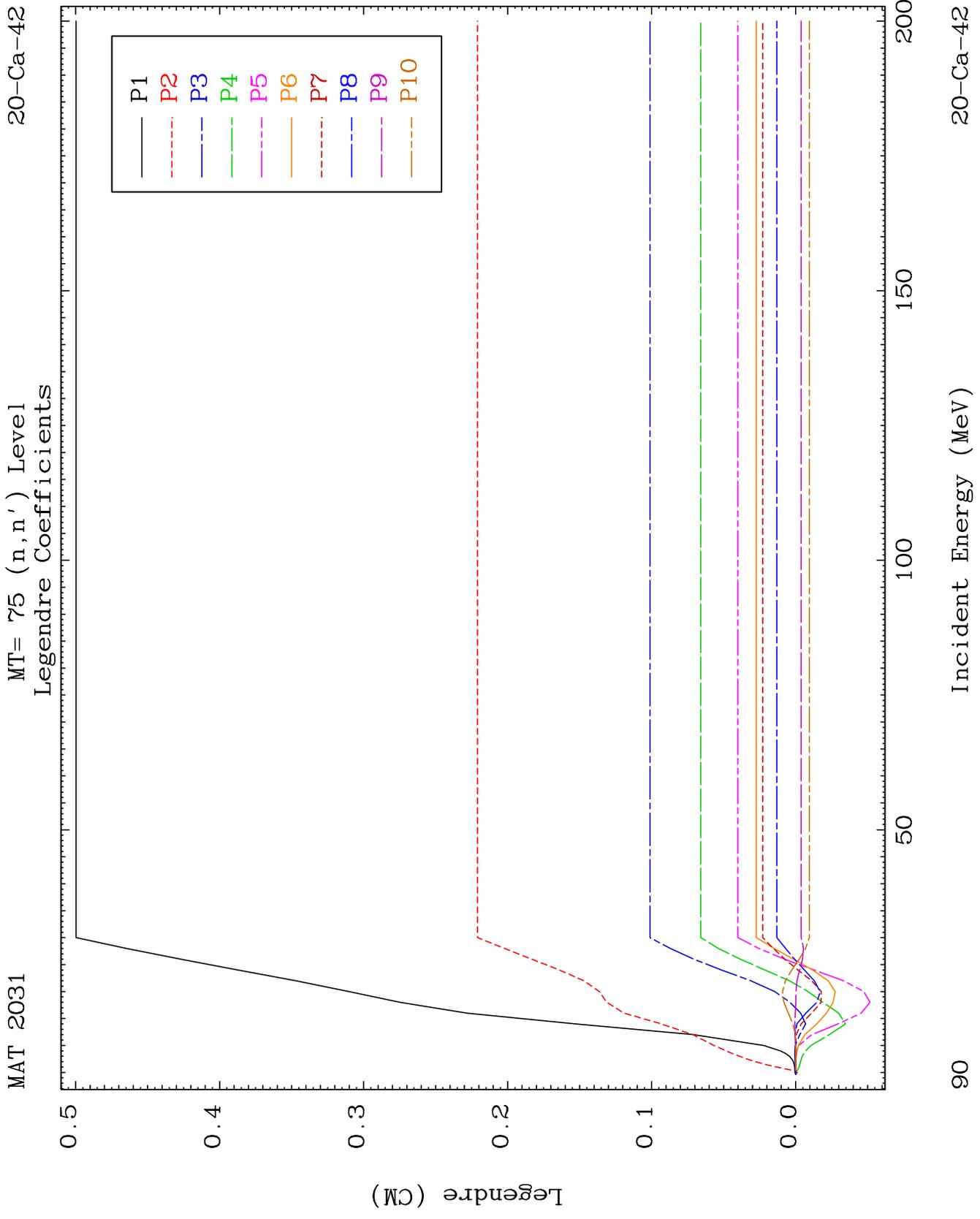
MAT 2031

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

20-Ca-42



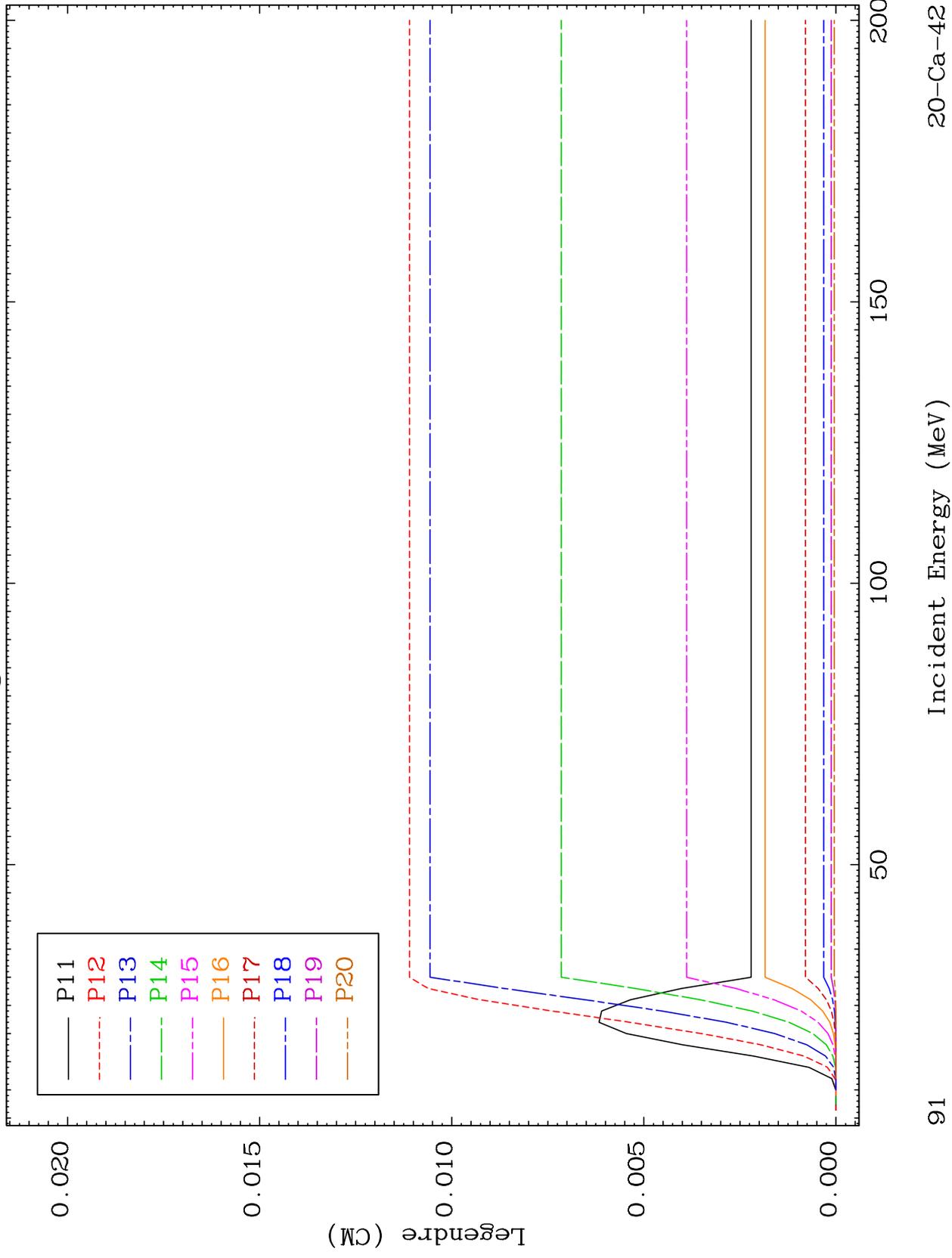


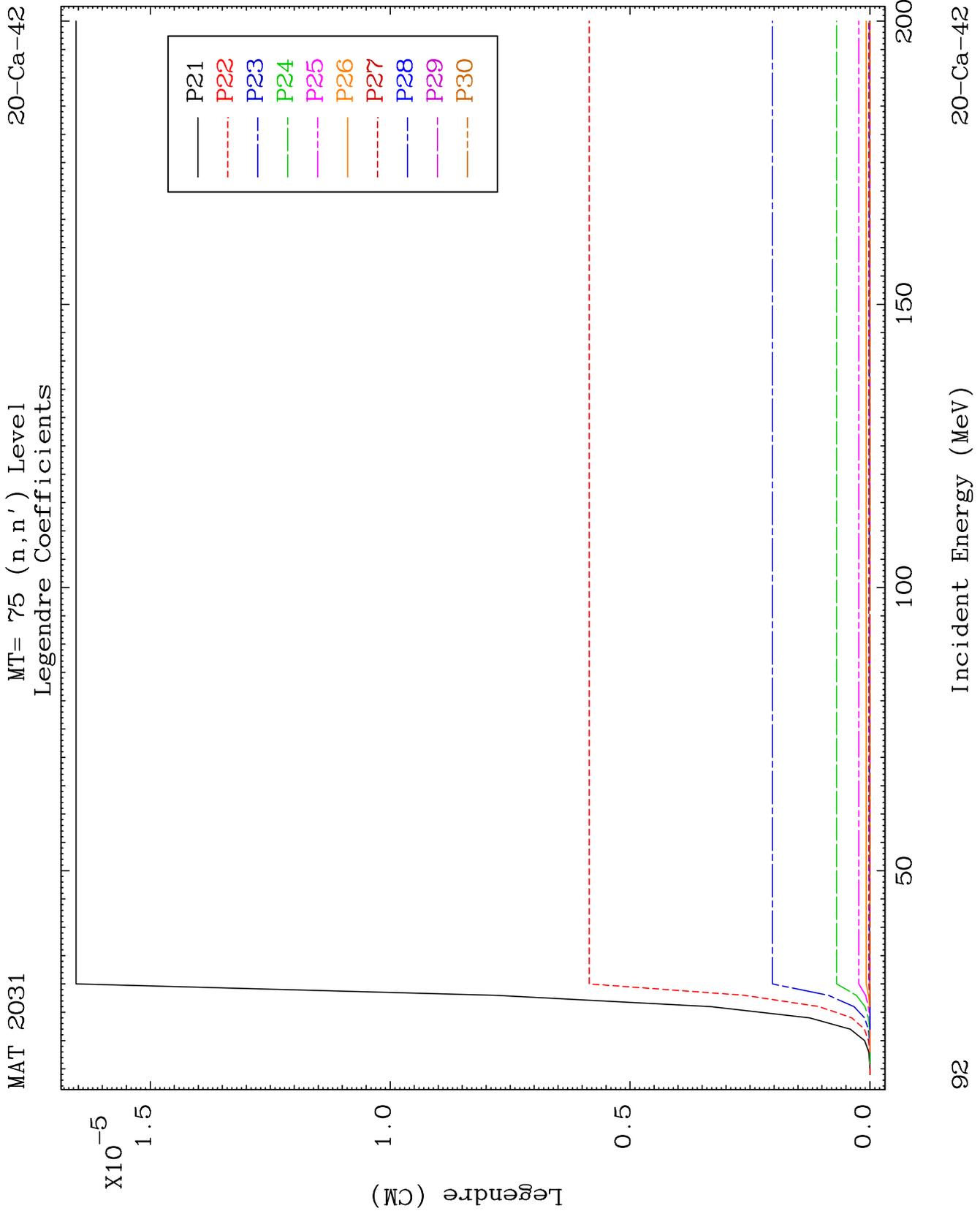


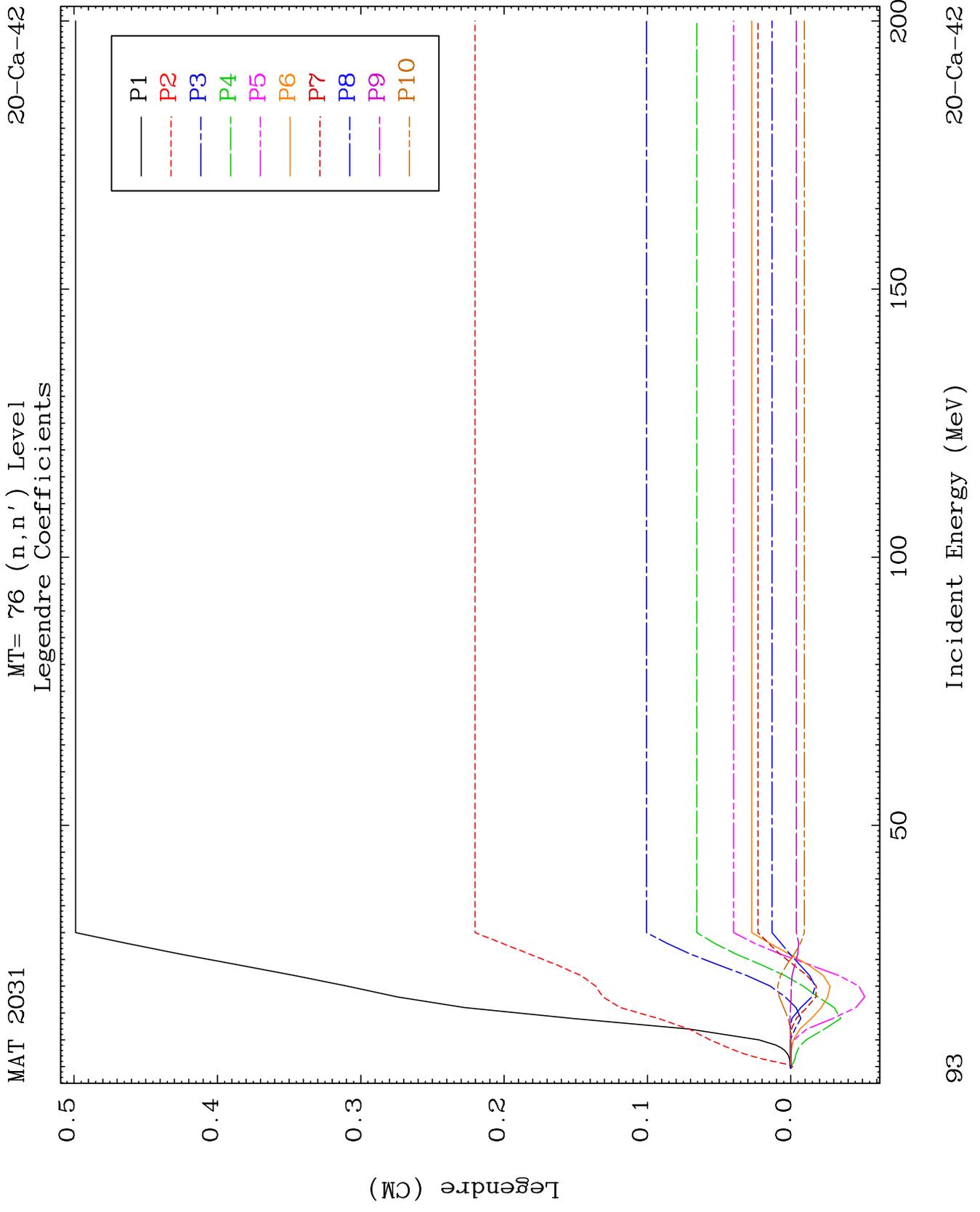
MAT 2031

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

20-Ca-42



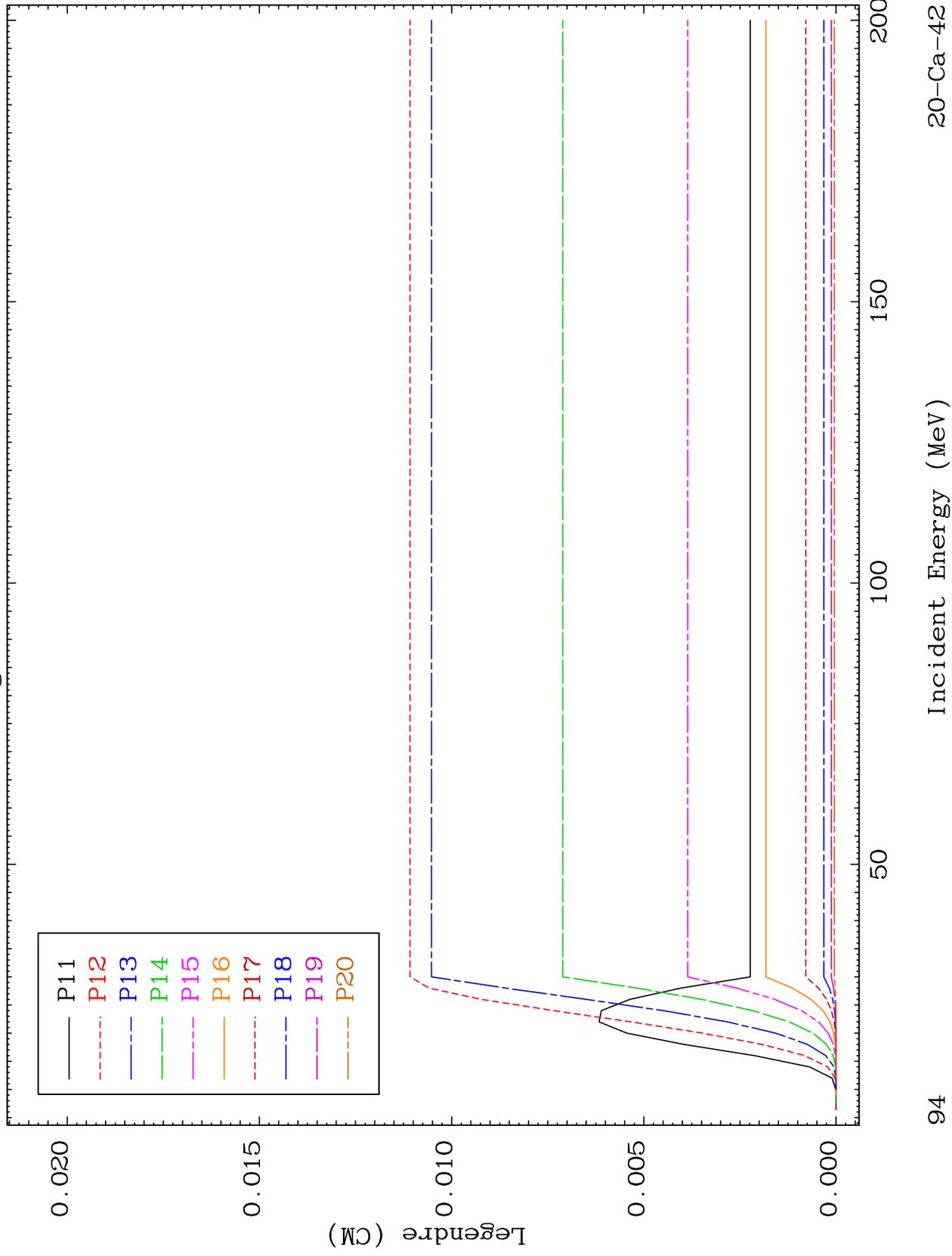


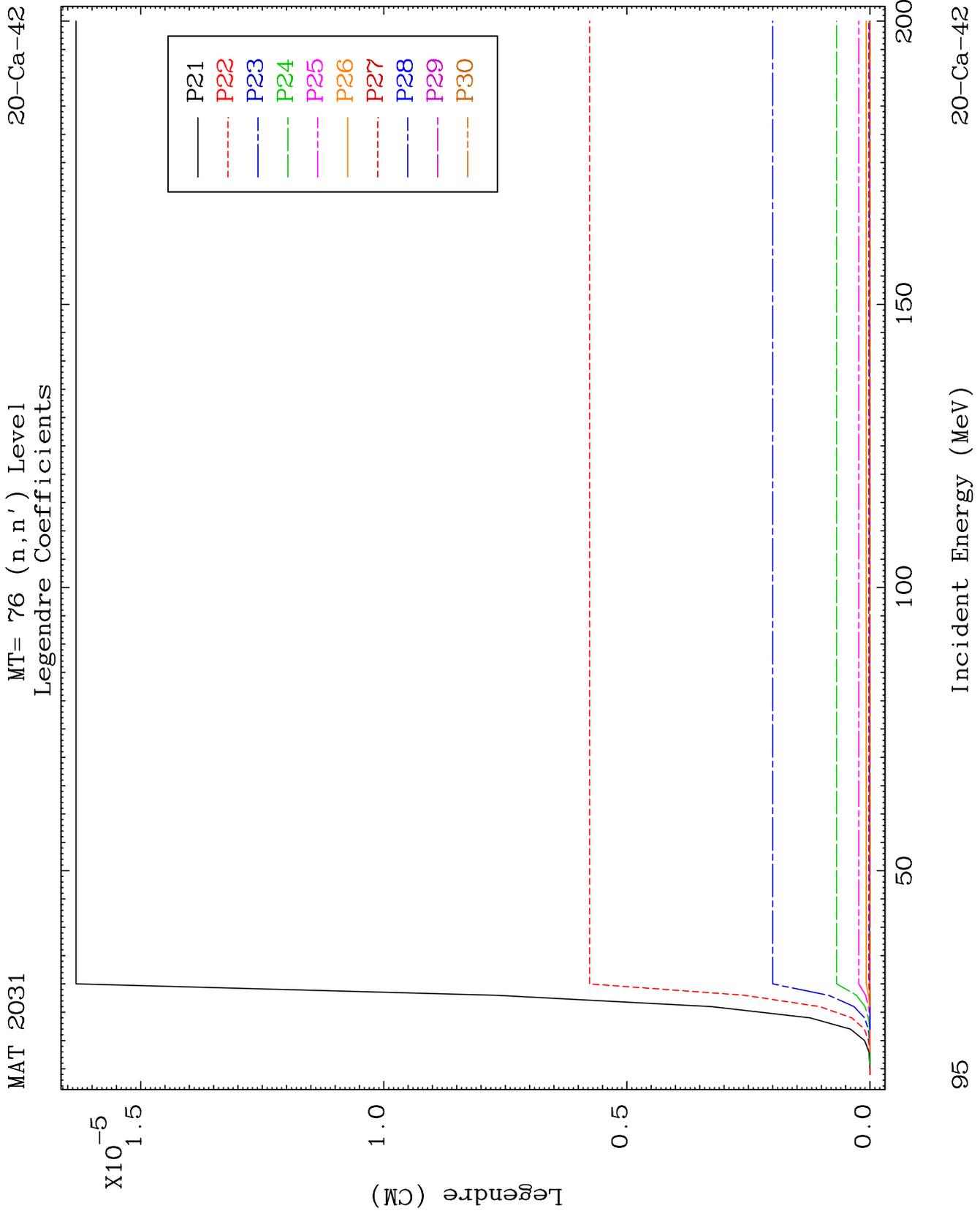


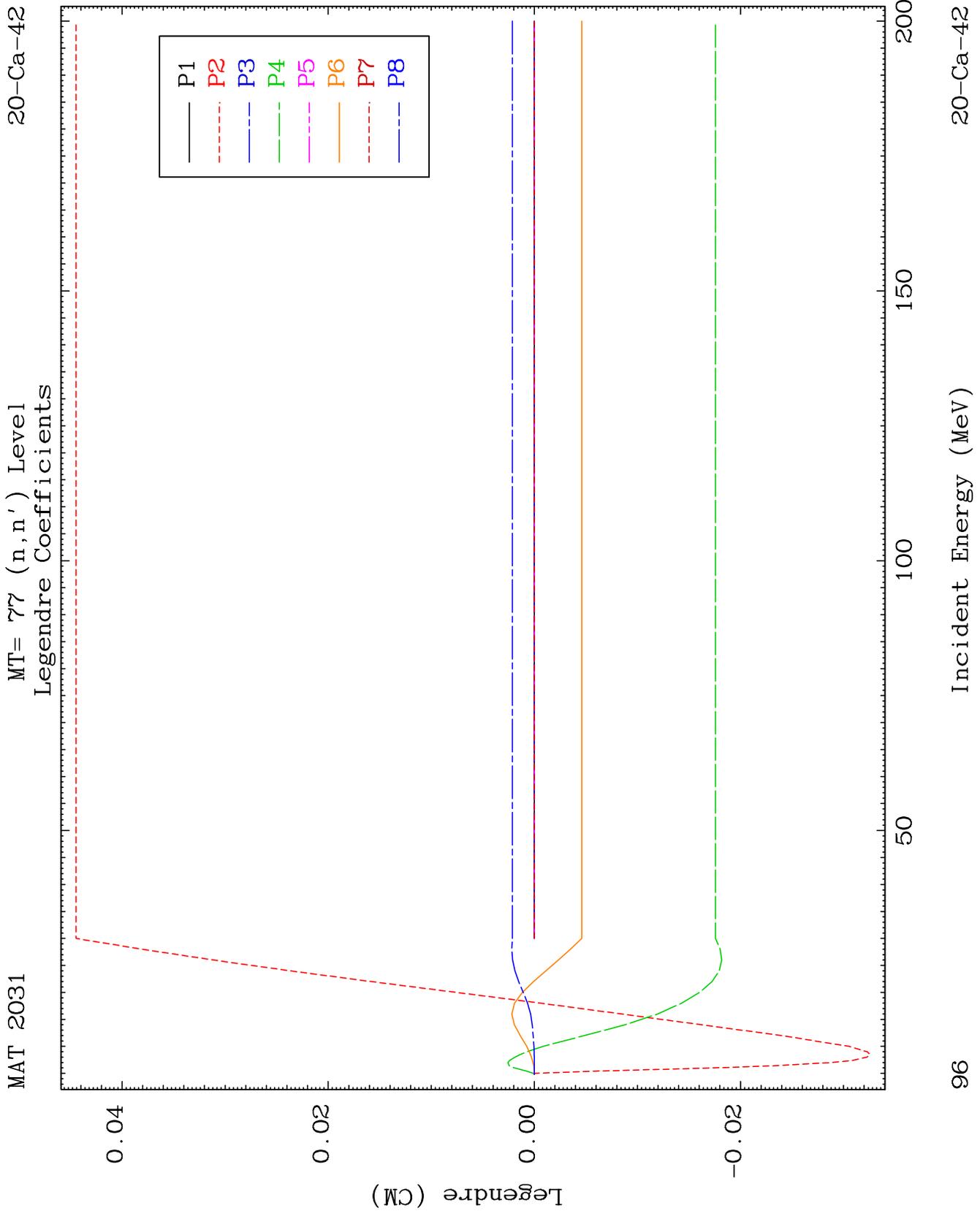
MAT 2031

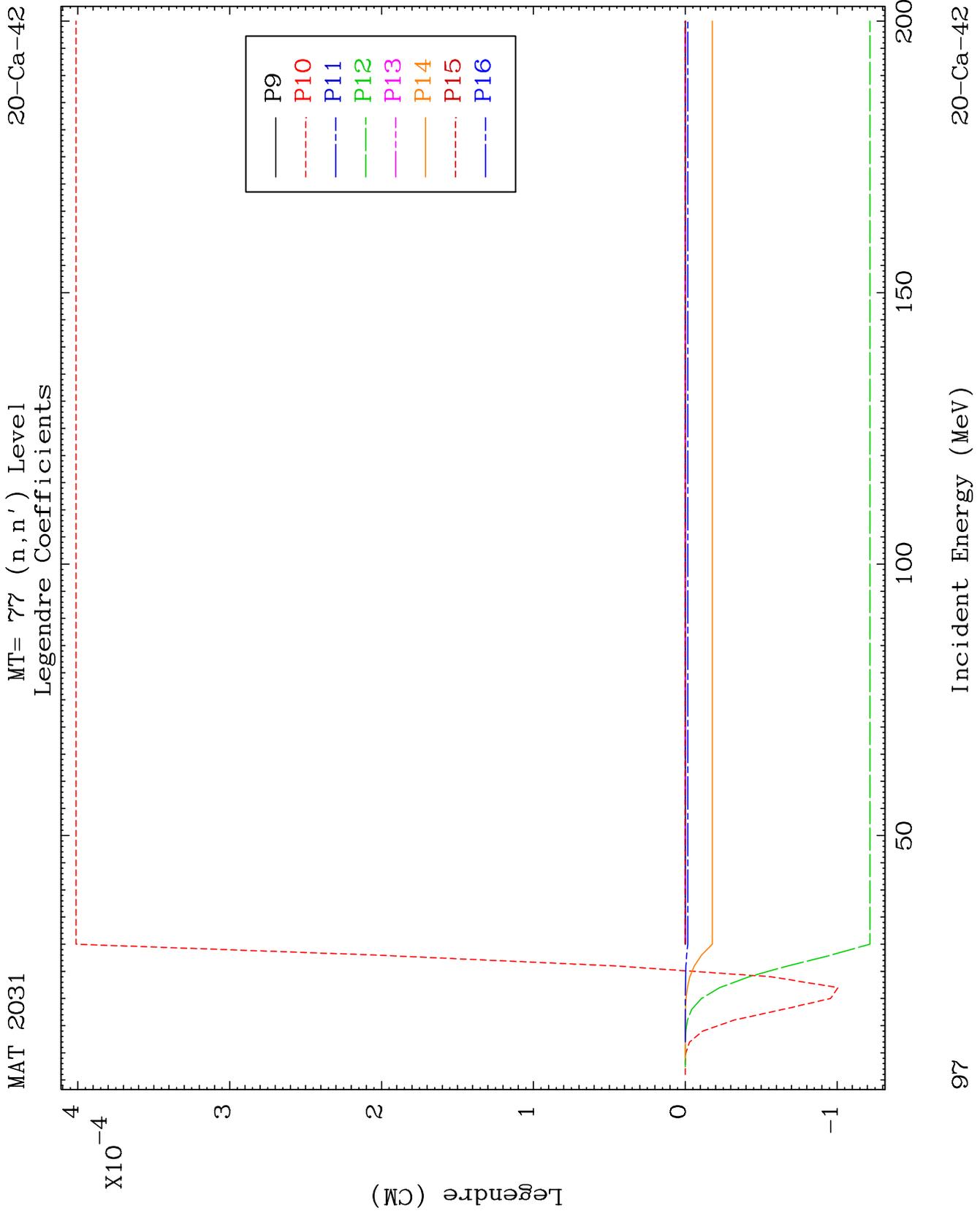
MT= 76 (n,n') Level  
Legendre Coefficients

20-Ca-42









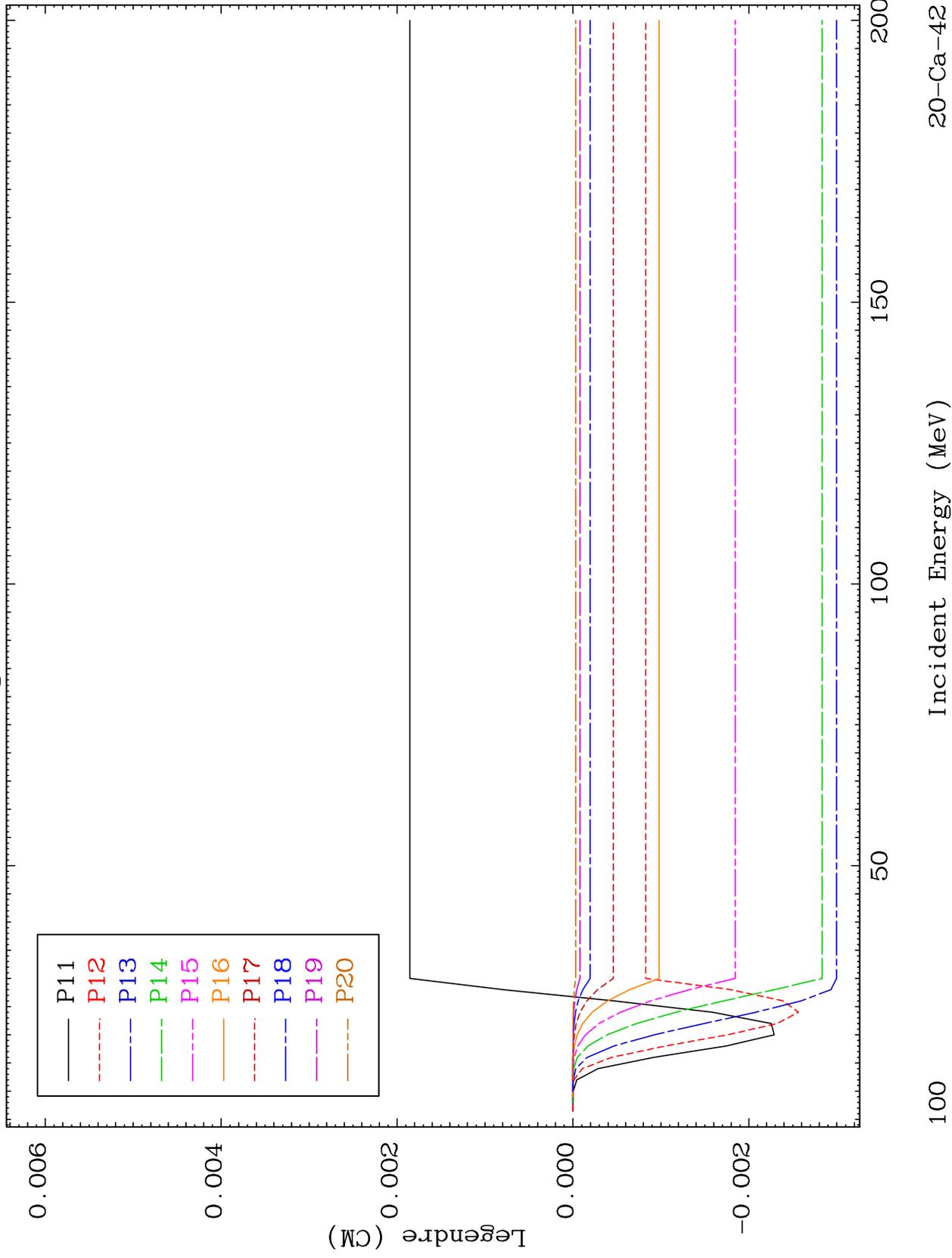


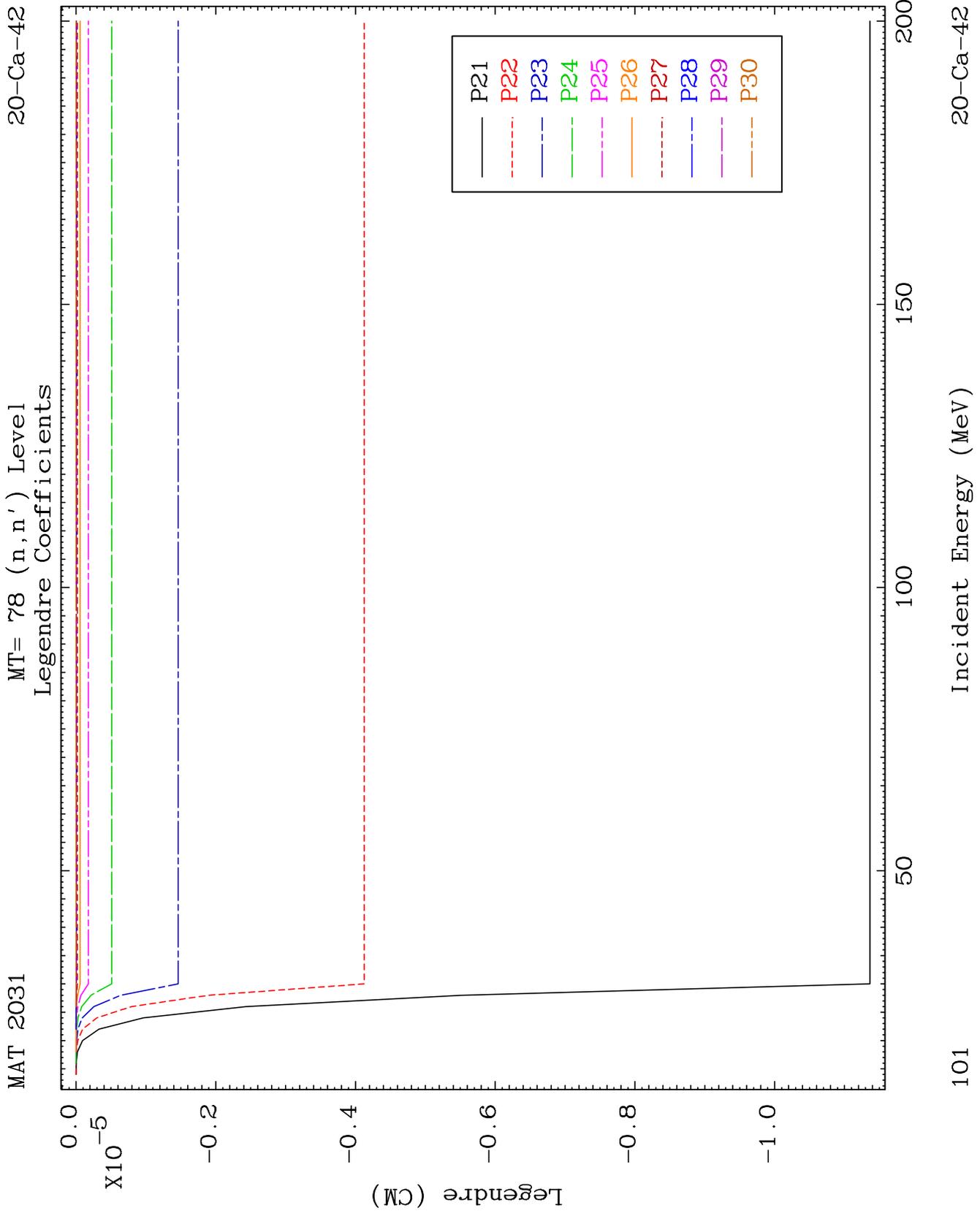


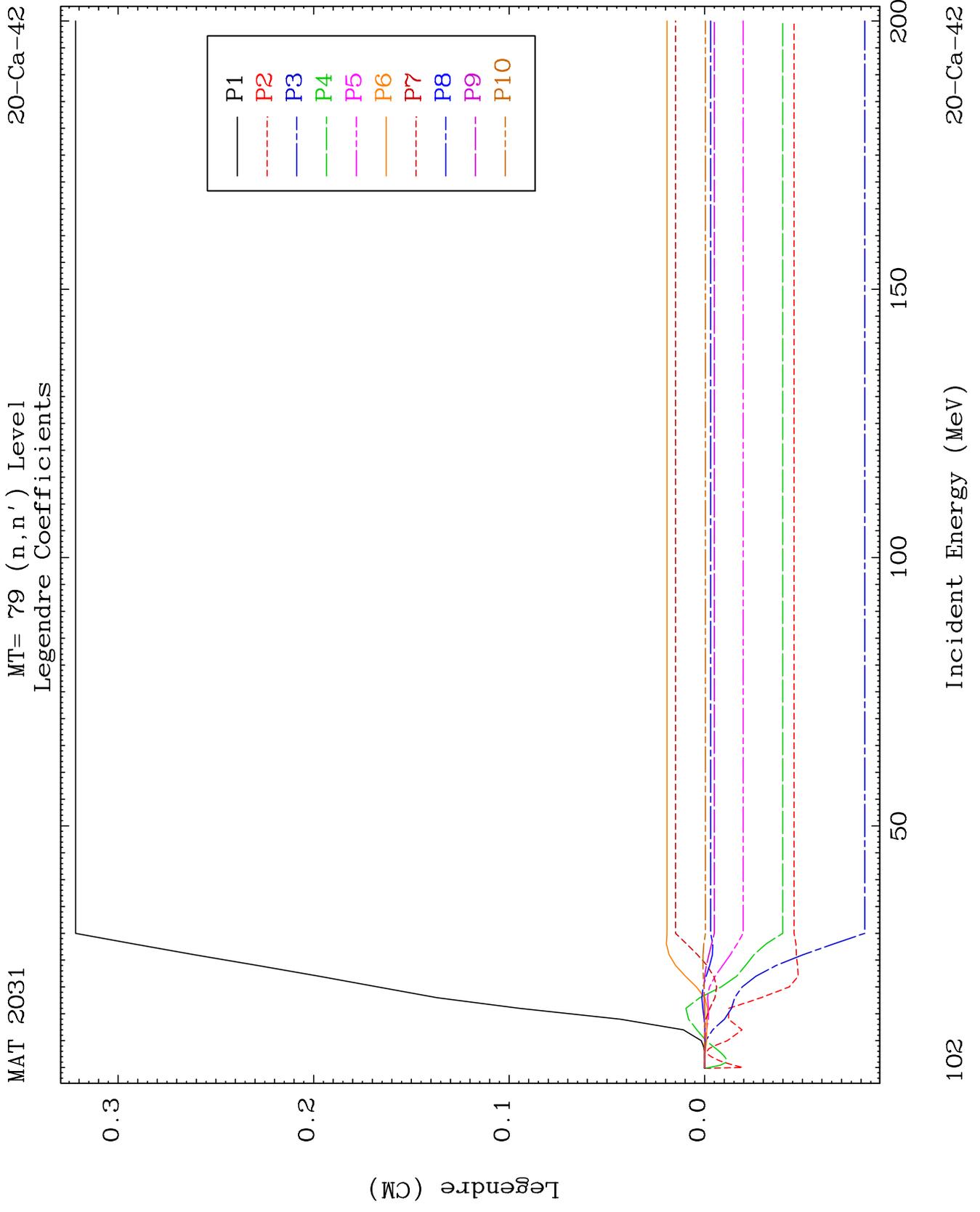
MAT 2031

MT= 78 (n,n') Level  
Legendre Coefficients

20-Ca-42



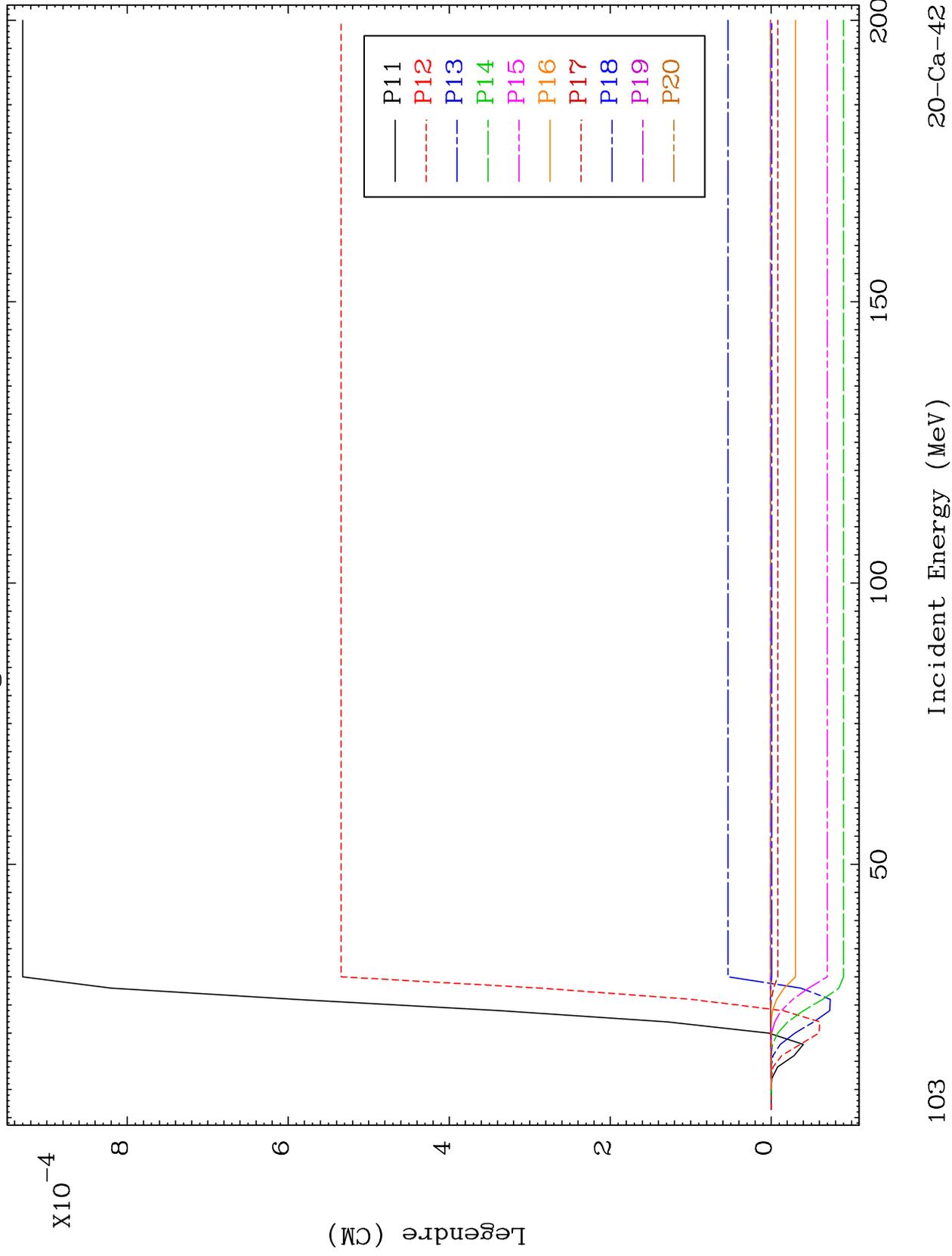


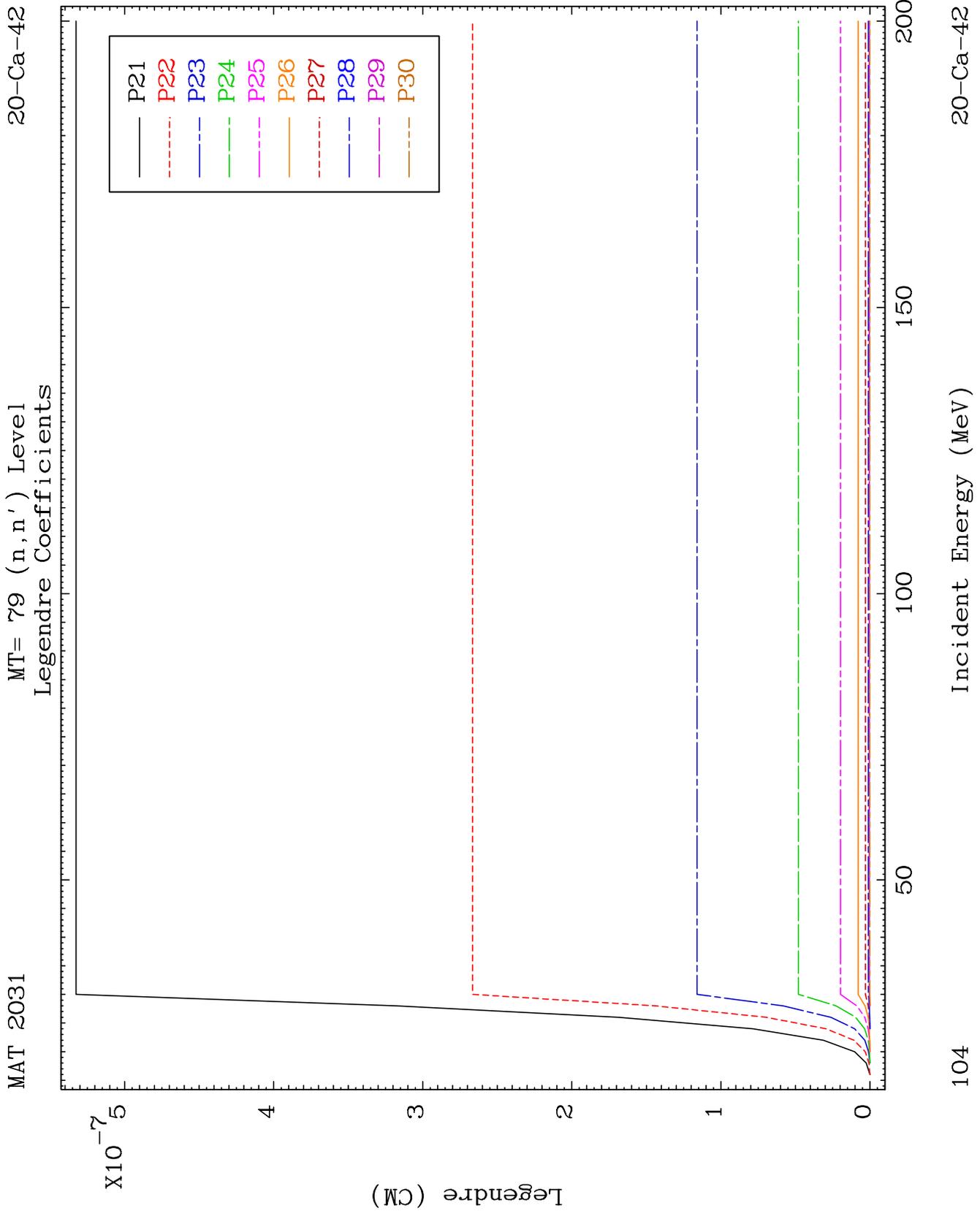


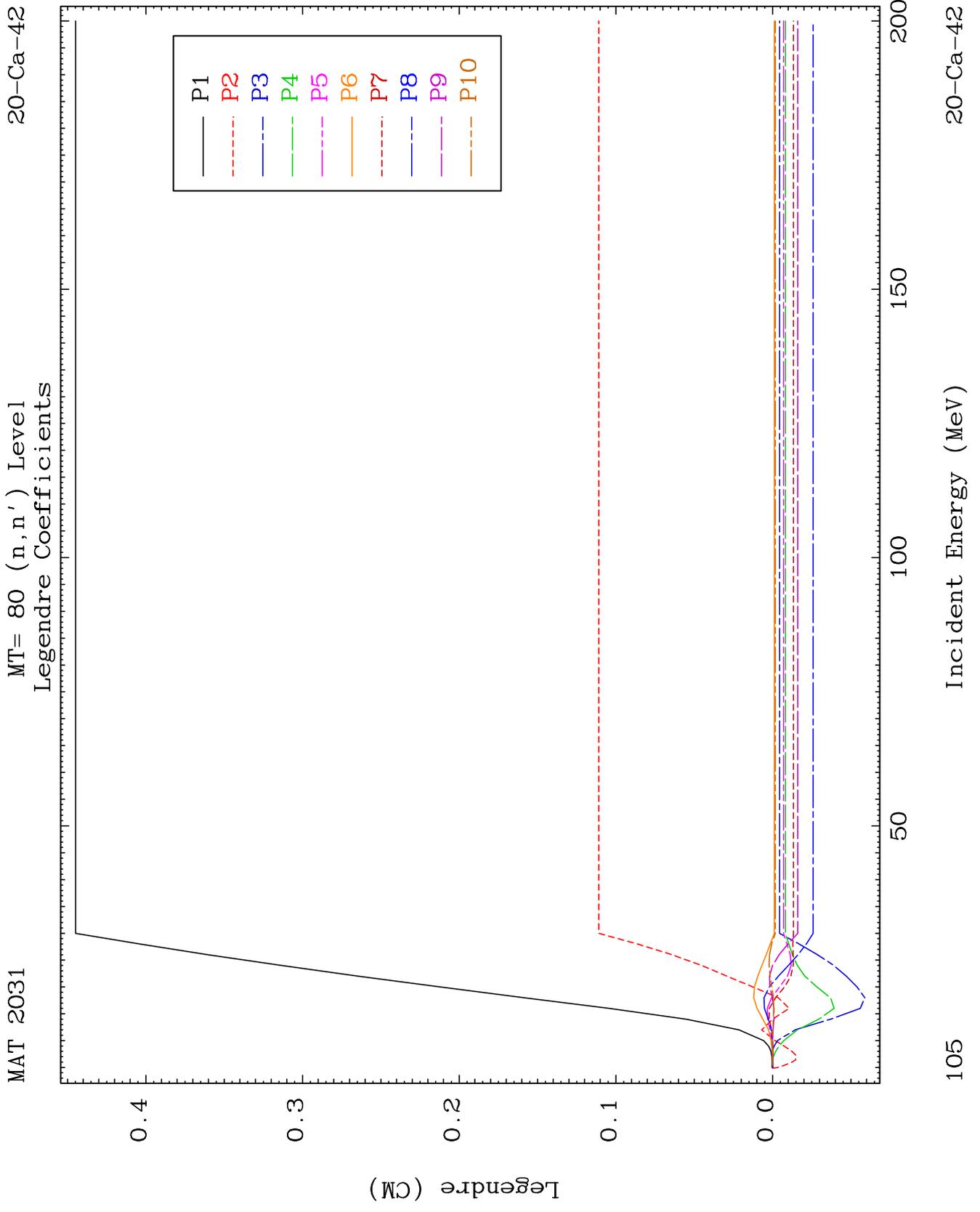
MAT 2031

MT= 79 (n,n') Level  
Legendre Coefficients

20-Ca-42



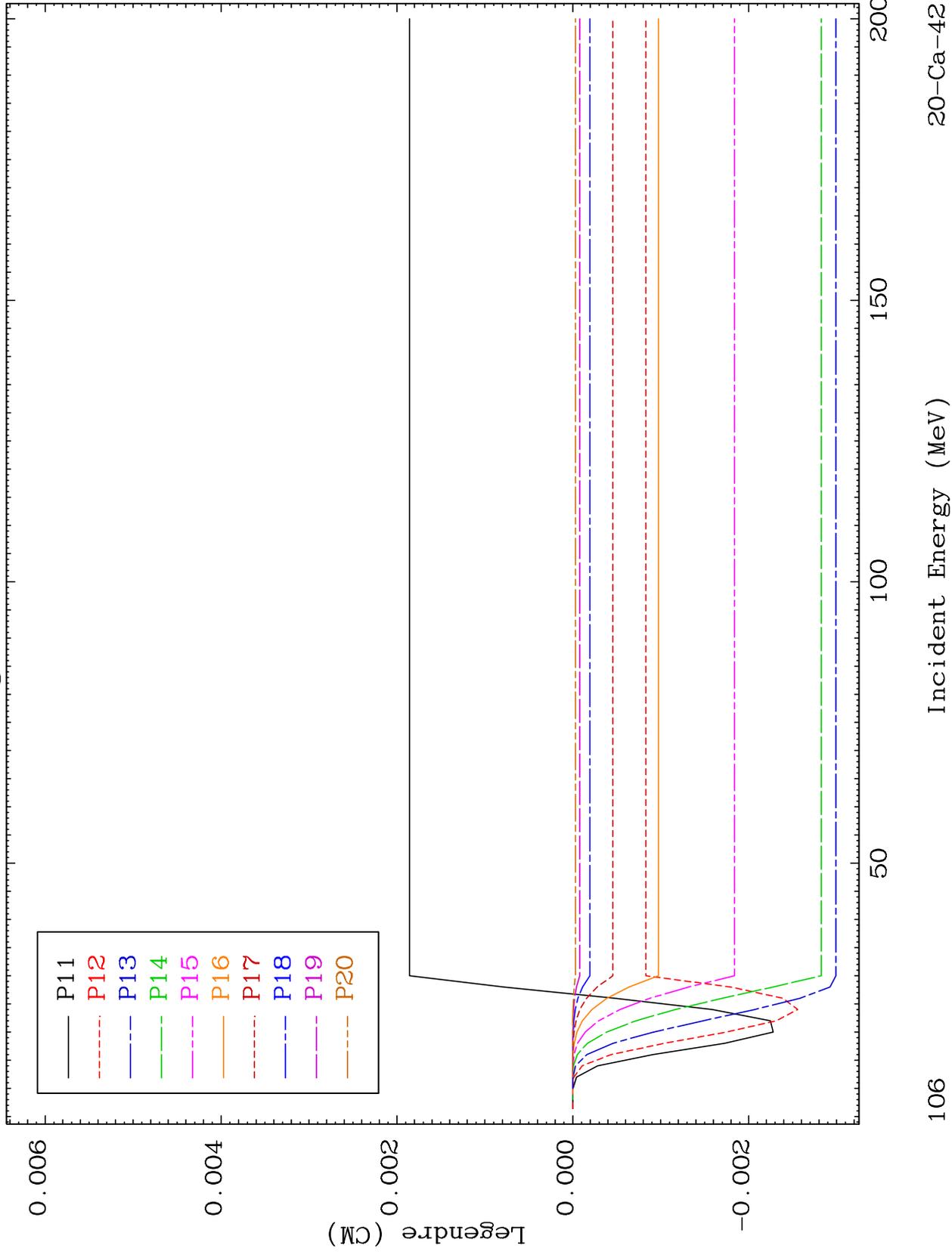




MAT 2031

MT= 80 (n,n') Level  
Legendre Coefficients

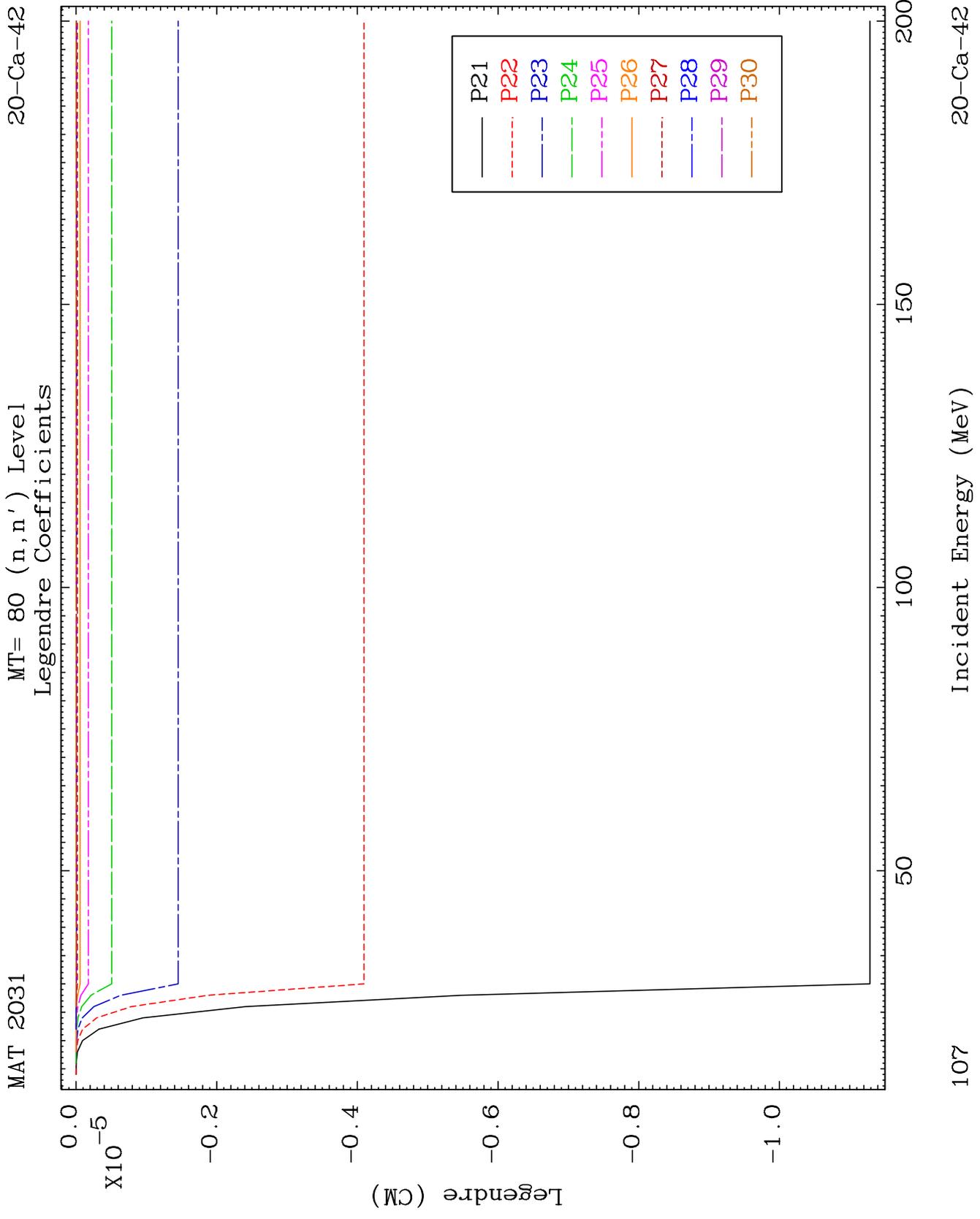
20-Ca-42



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Incident Energy (MeV)

20-Ca-42



Radionuclide Production Cross Section

