

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

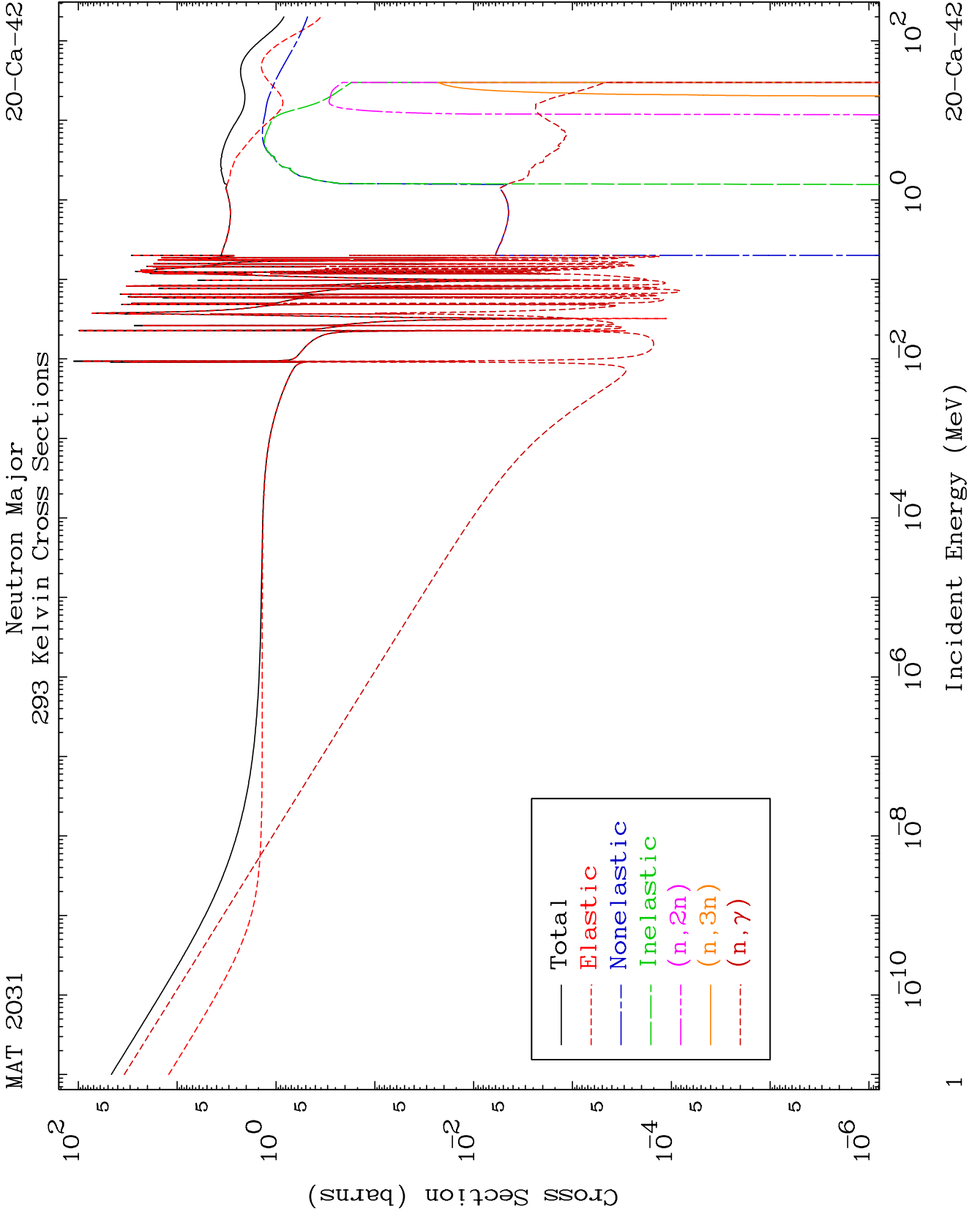
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E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

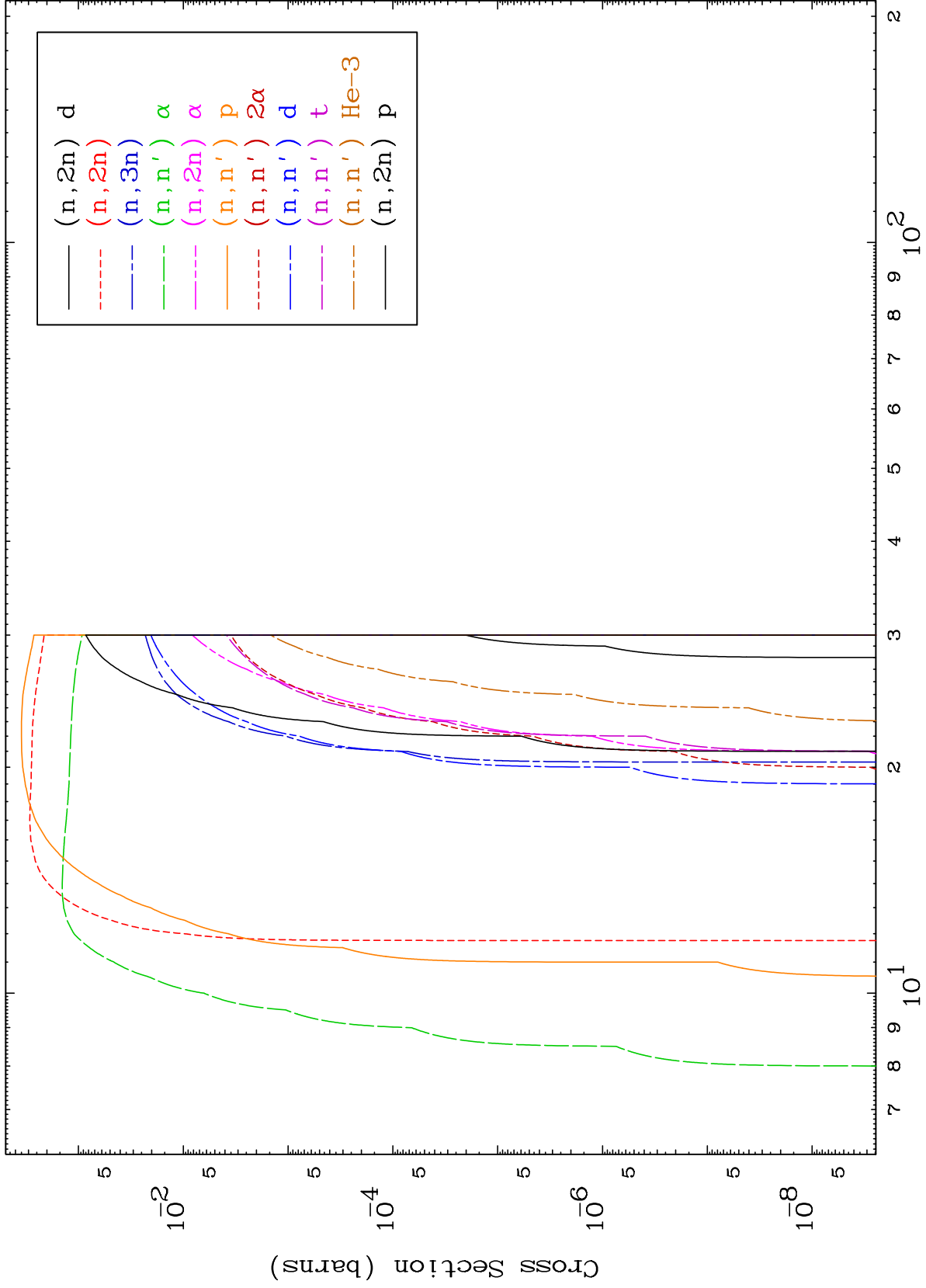
Press Mouse Button to Start



MAT 2031

Neutron Absorption
293 Kelvin Cross Sections

20-Ca-42



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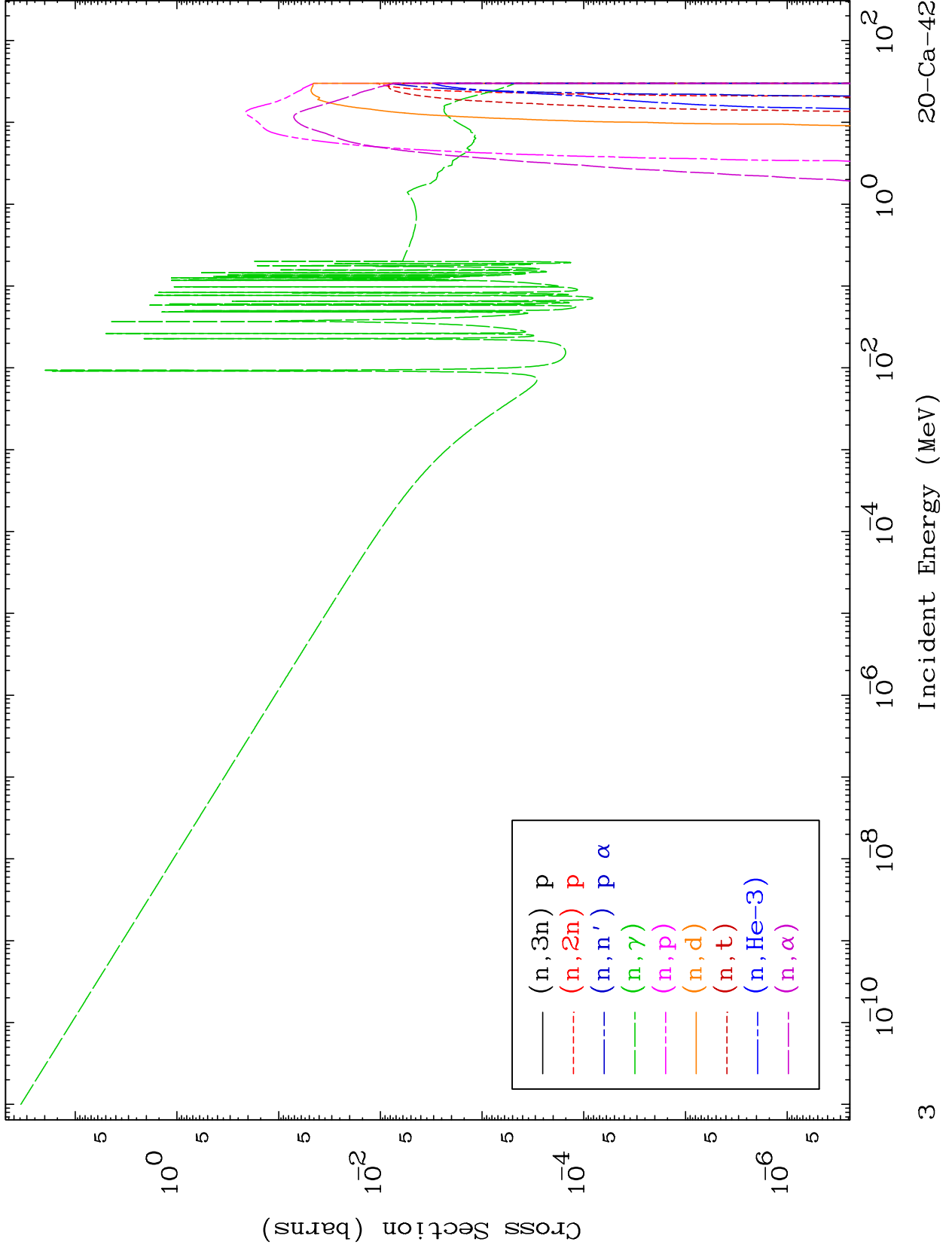
Incident Energy (MeV)

20-Ca-42

MAT 2031

Neutron Absorption
293 Kelvin Cross Sections

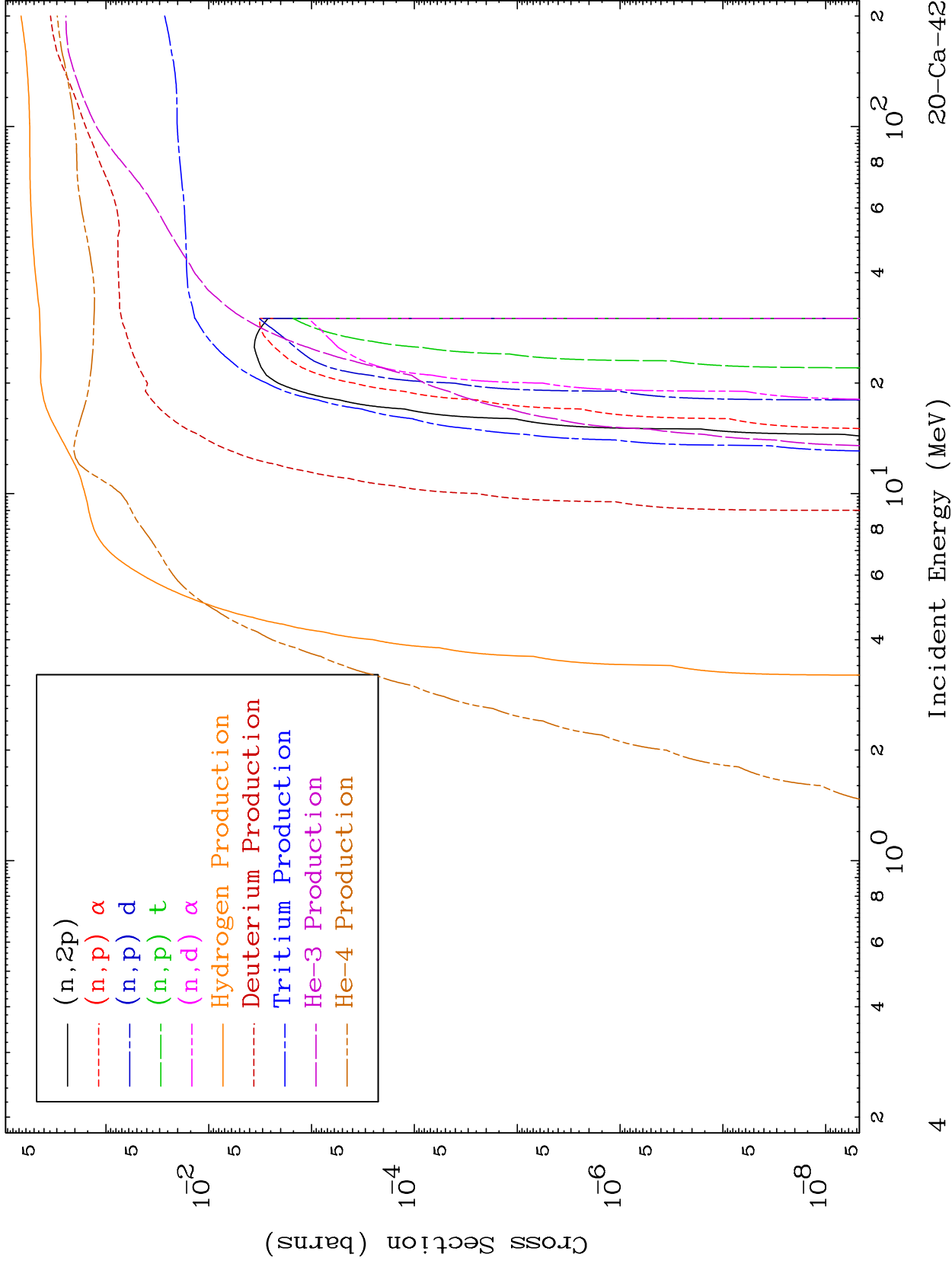
20-Ca-42



MAT 2031

Neutron Absorption
293 Kelvin Cross Sections

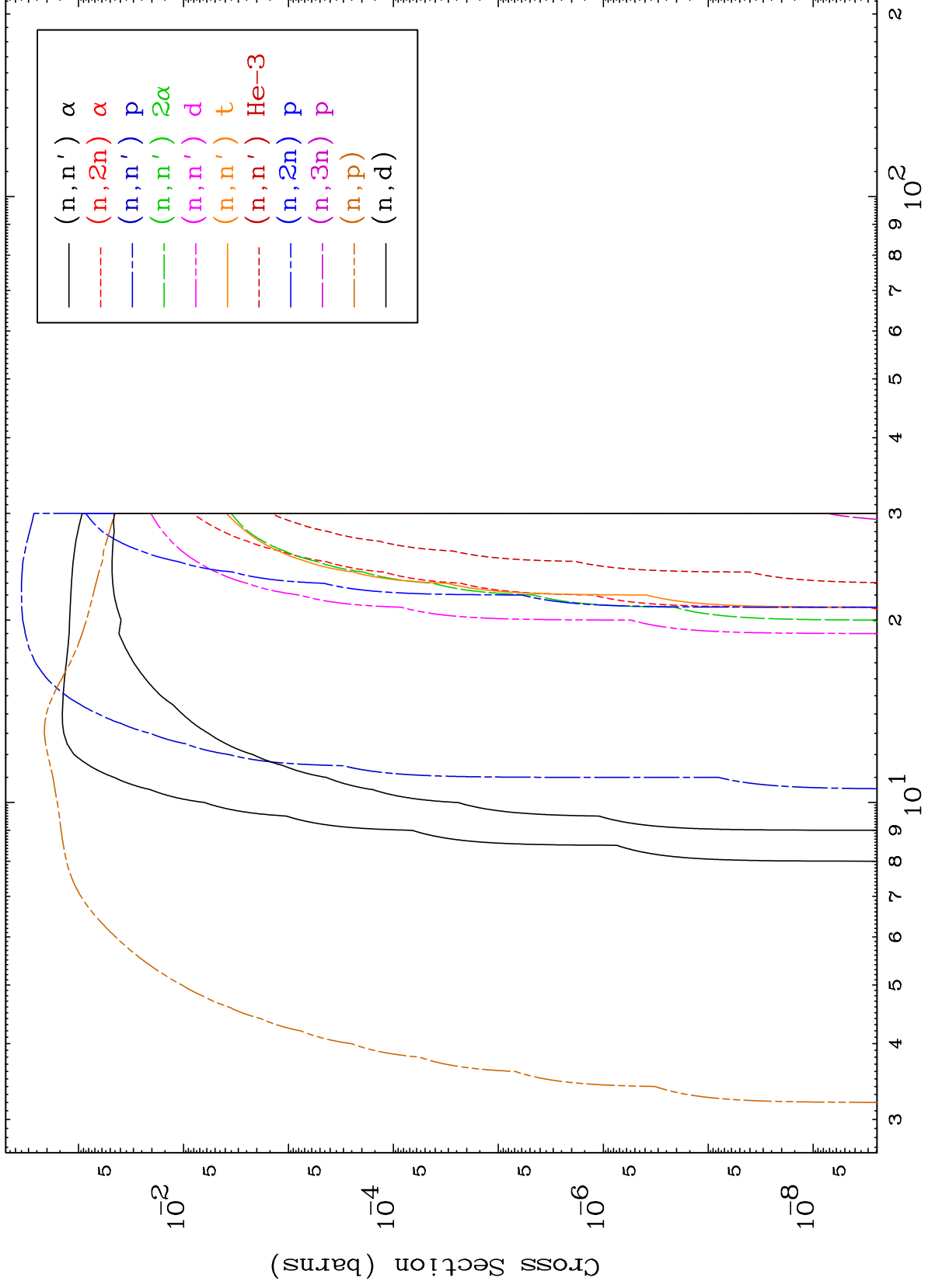
20-Ca-42



MAT 2031

Charged Particle
293 Kelvin Cross Sections

20-Ca-42



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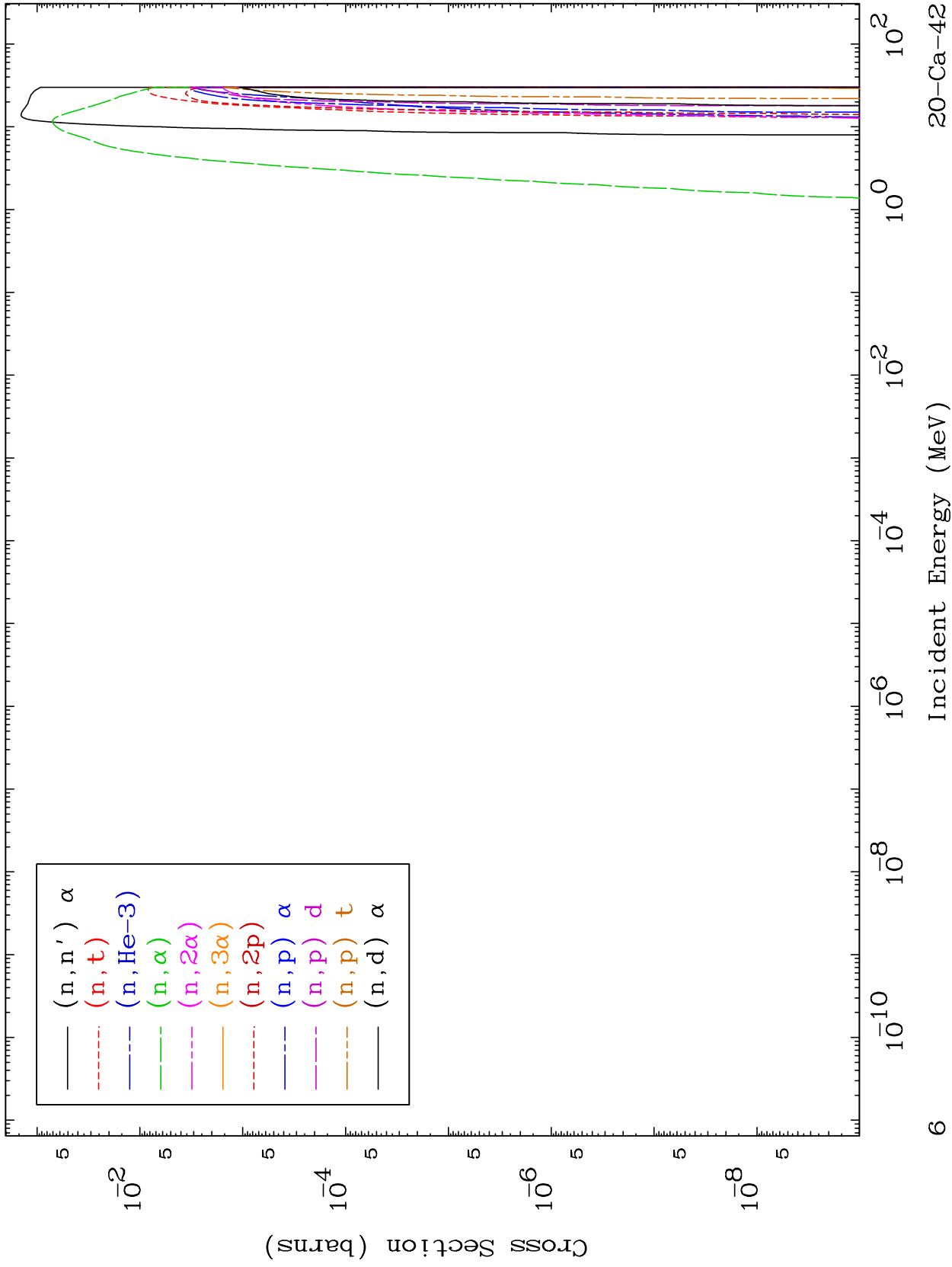
Incident Energy (MeV)

20-Ca-42

MAT 2031

Charged Particle
293 Kelvin Cross Sections

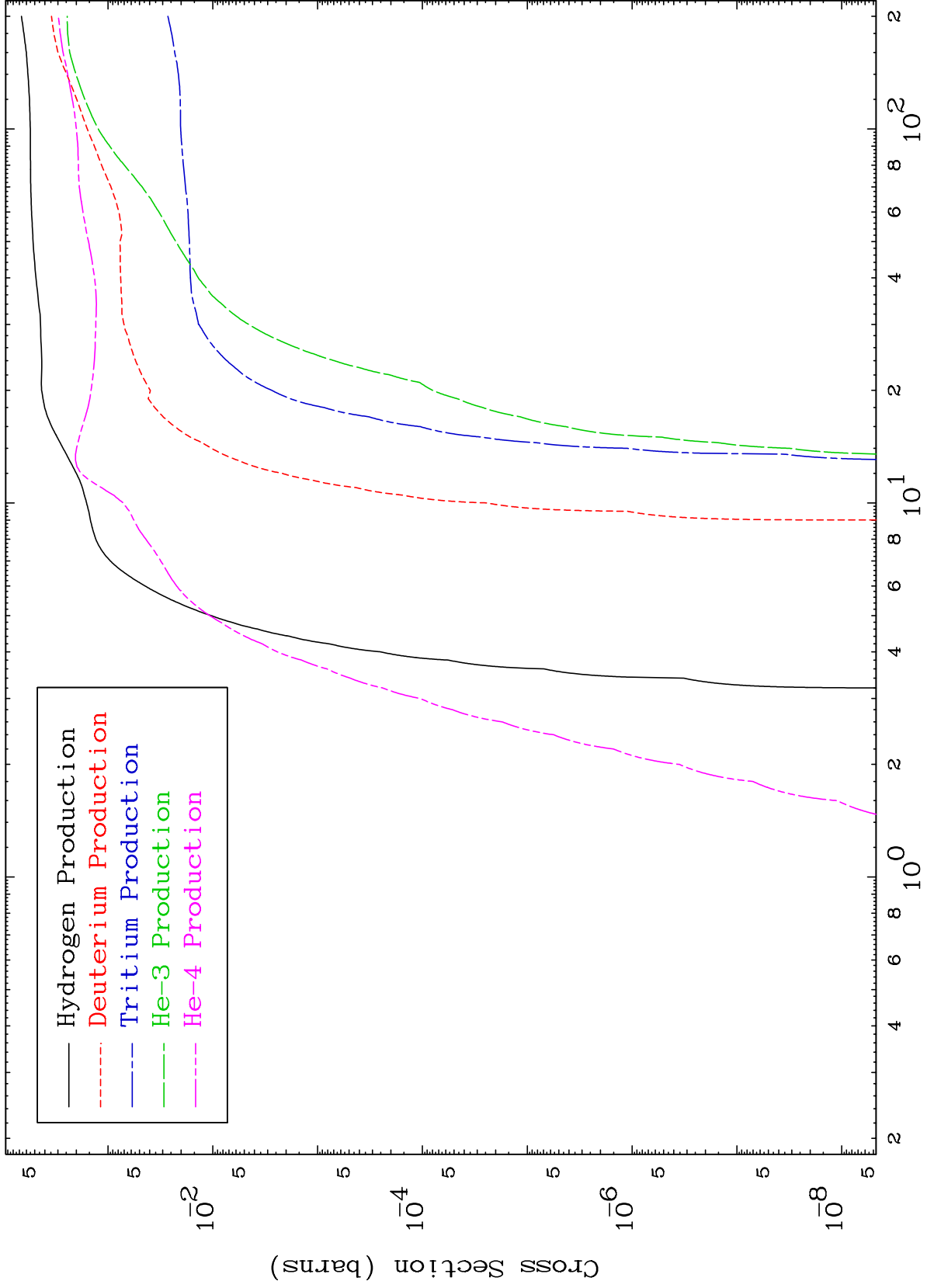
20-Ca-42



MAT 2031

Particle Production
293 Kelvin Cross Sections

20-Ca-42

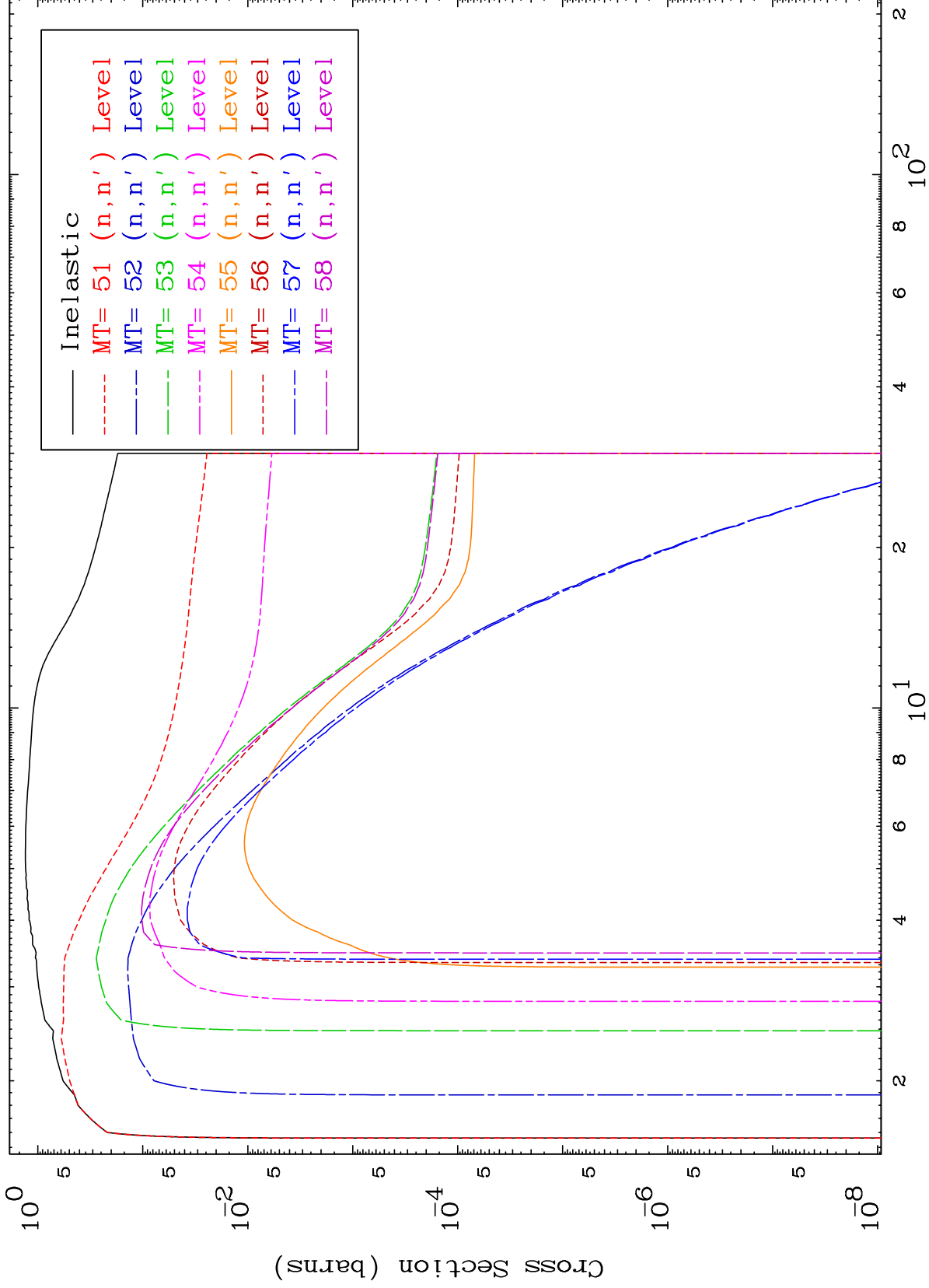


MAT 2031

(n,n') Levels

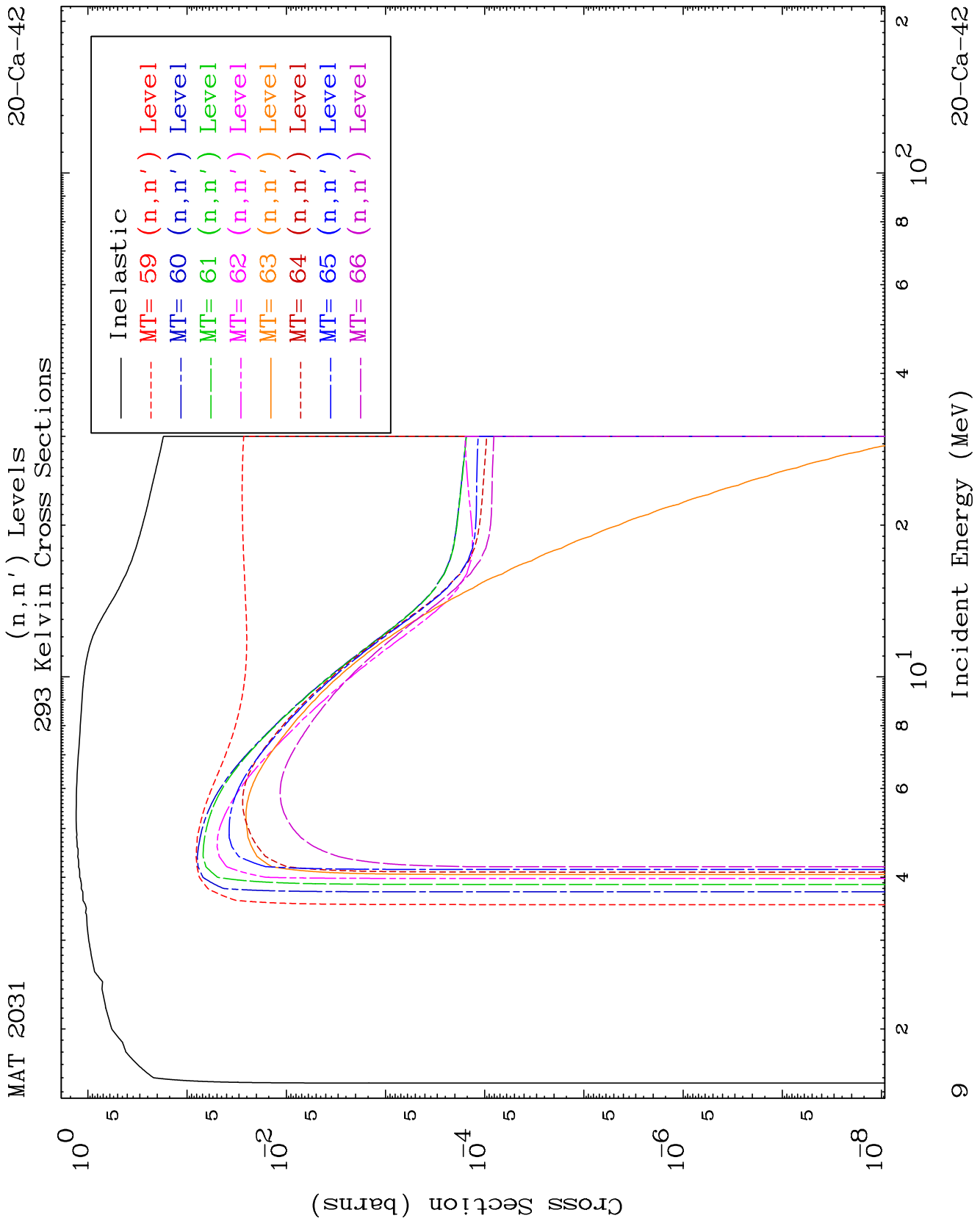
20-Ca-42

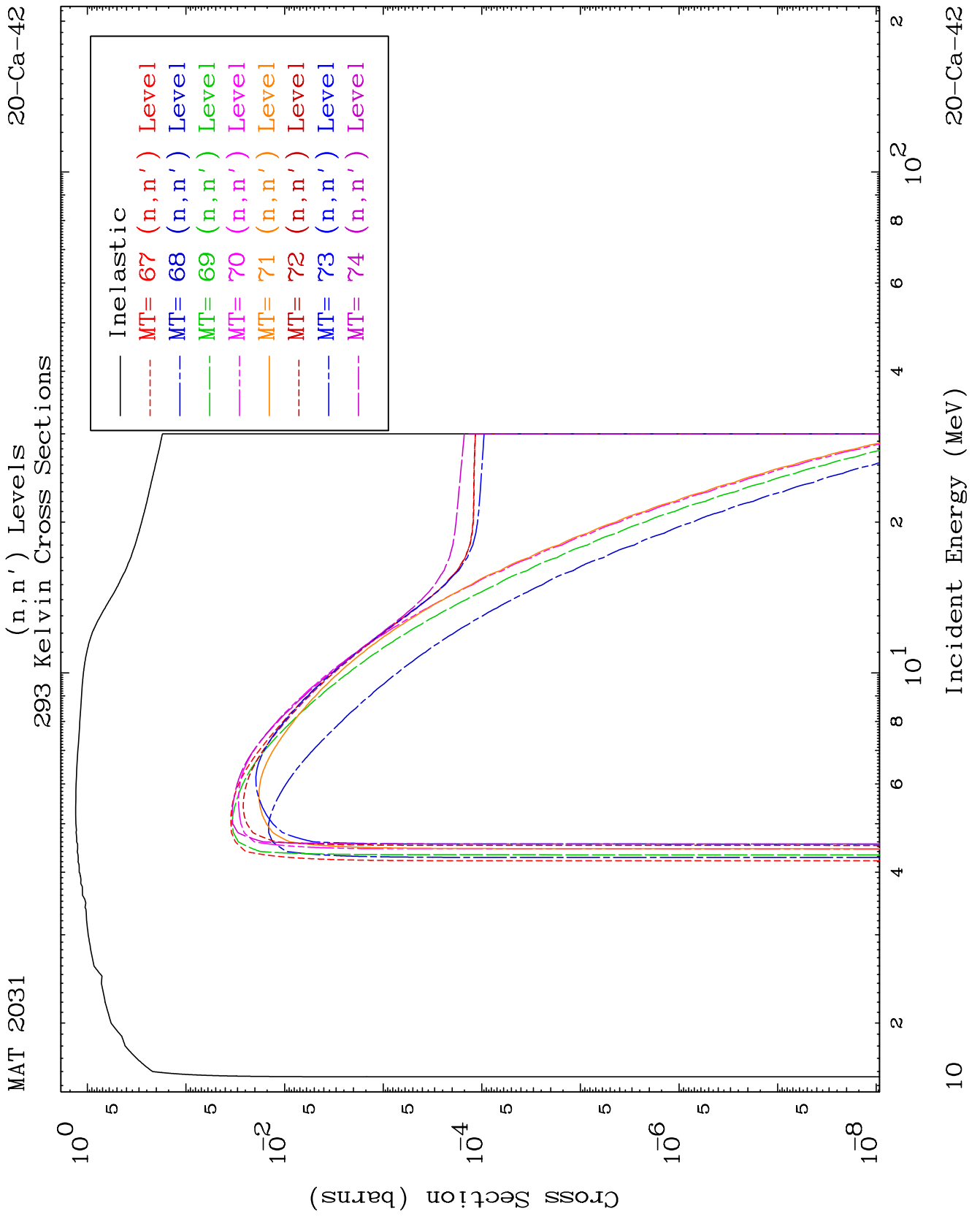
293 Kelvin Cross Sections

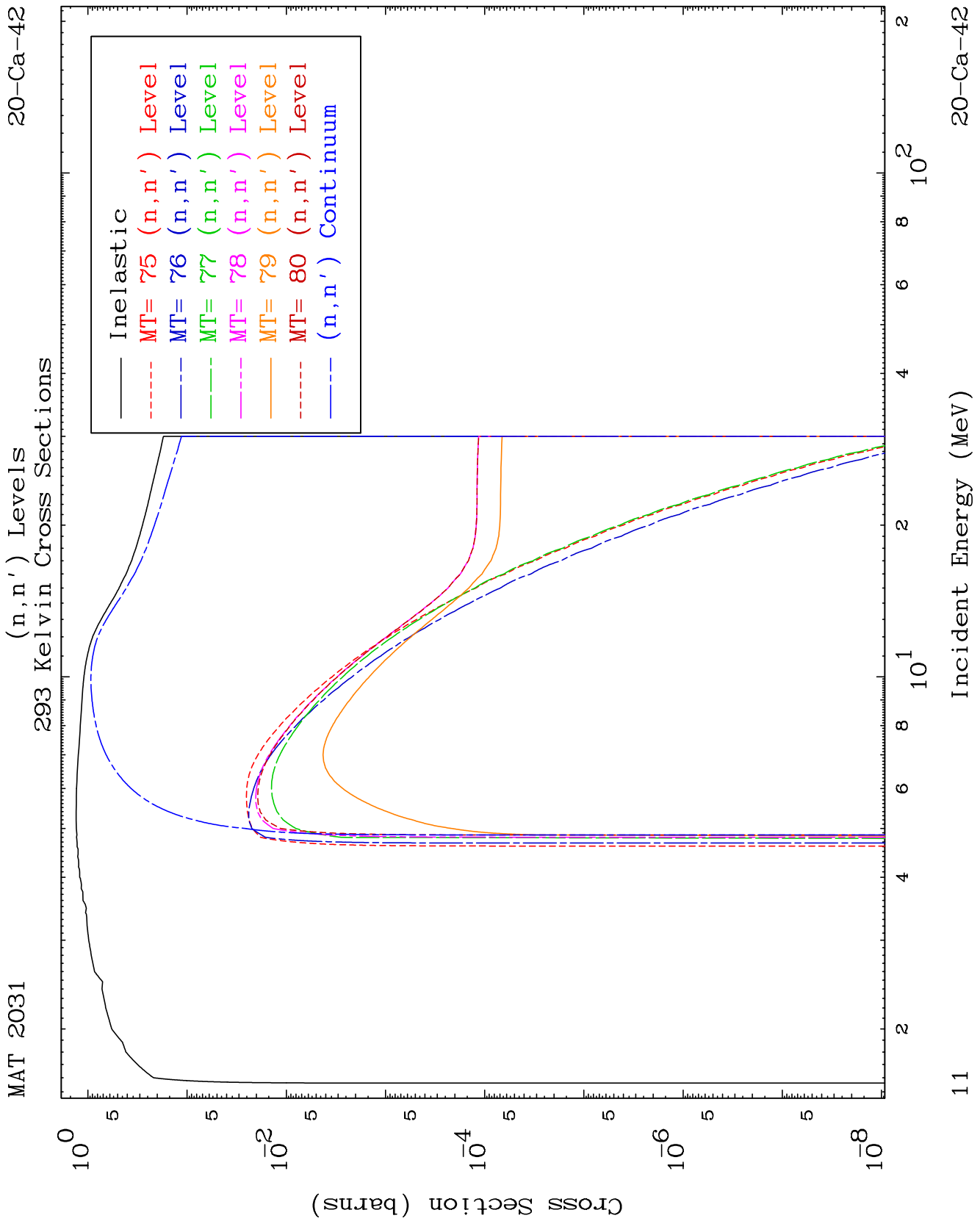


Incident Energy (MeV)

20-Ca-42



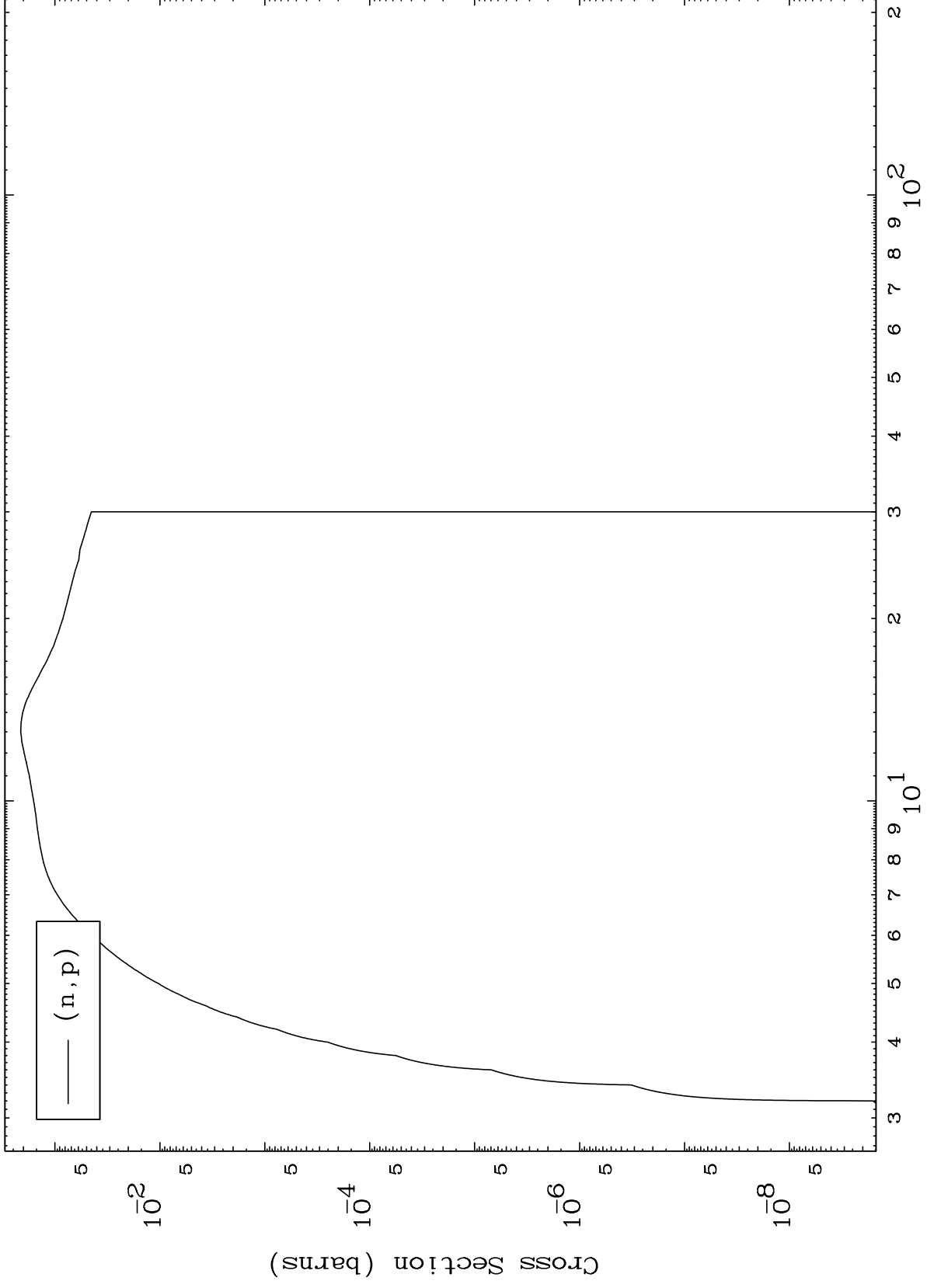




MAT 2031

(n,p) Levels
293 Kelvin Cross Sections

20-Ca-42



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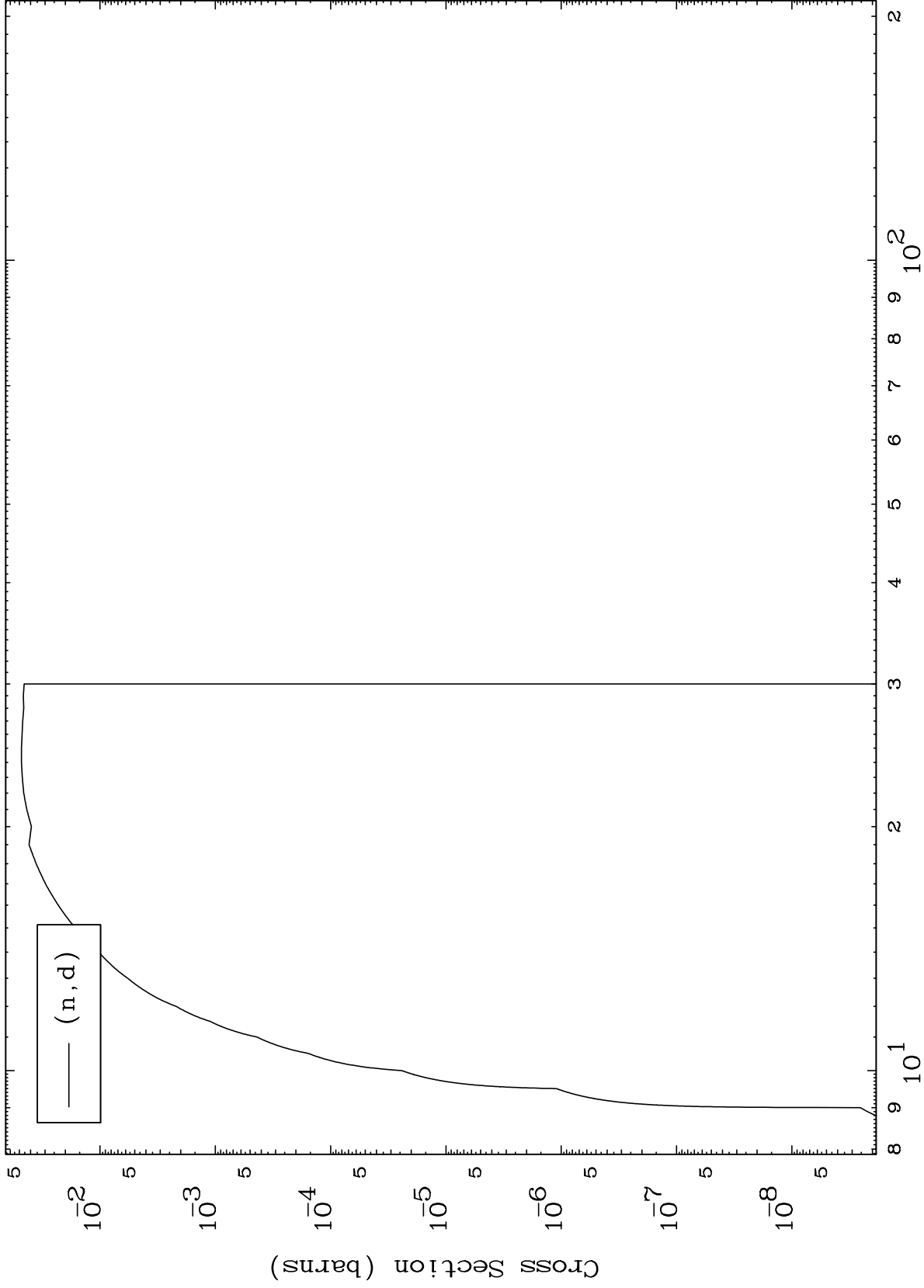
Incident Energy (MeV)

20-Ca-42

MAT 2031

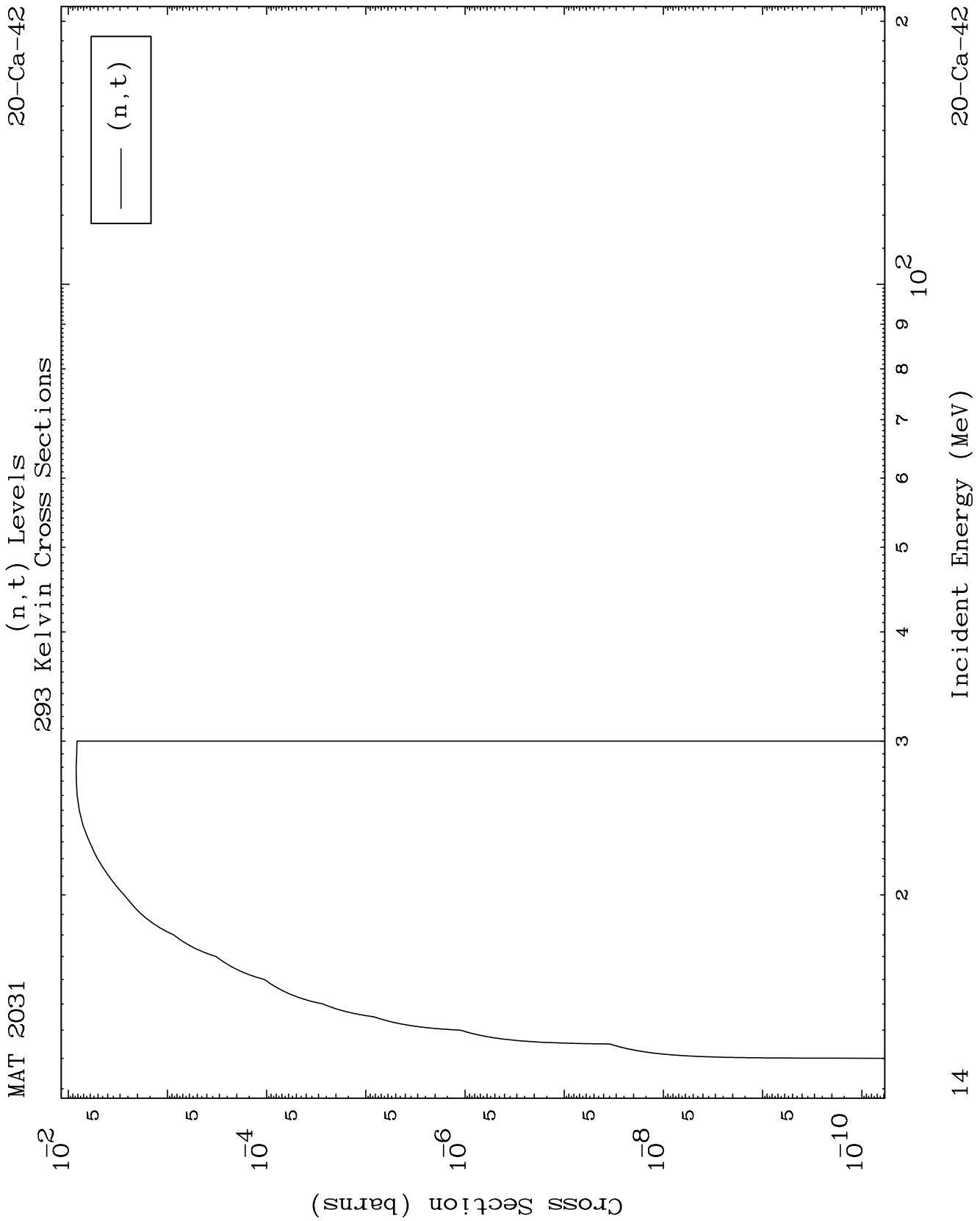
(n,d) Levels
293 Kelvin Cross Sections

20-Ca-42



Incident Energy (MeV)

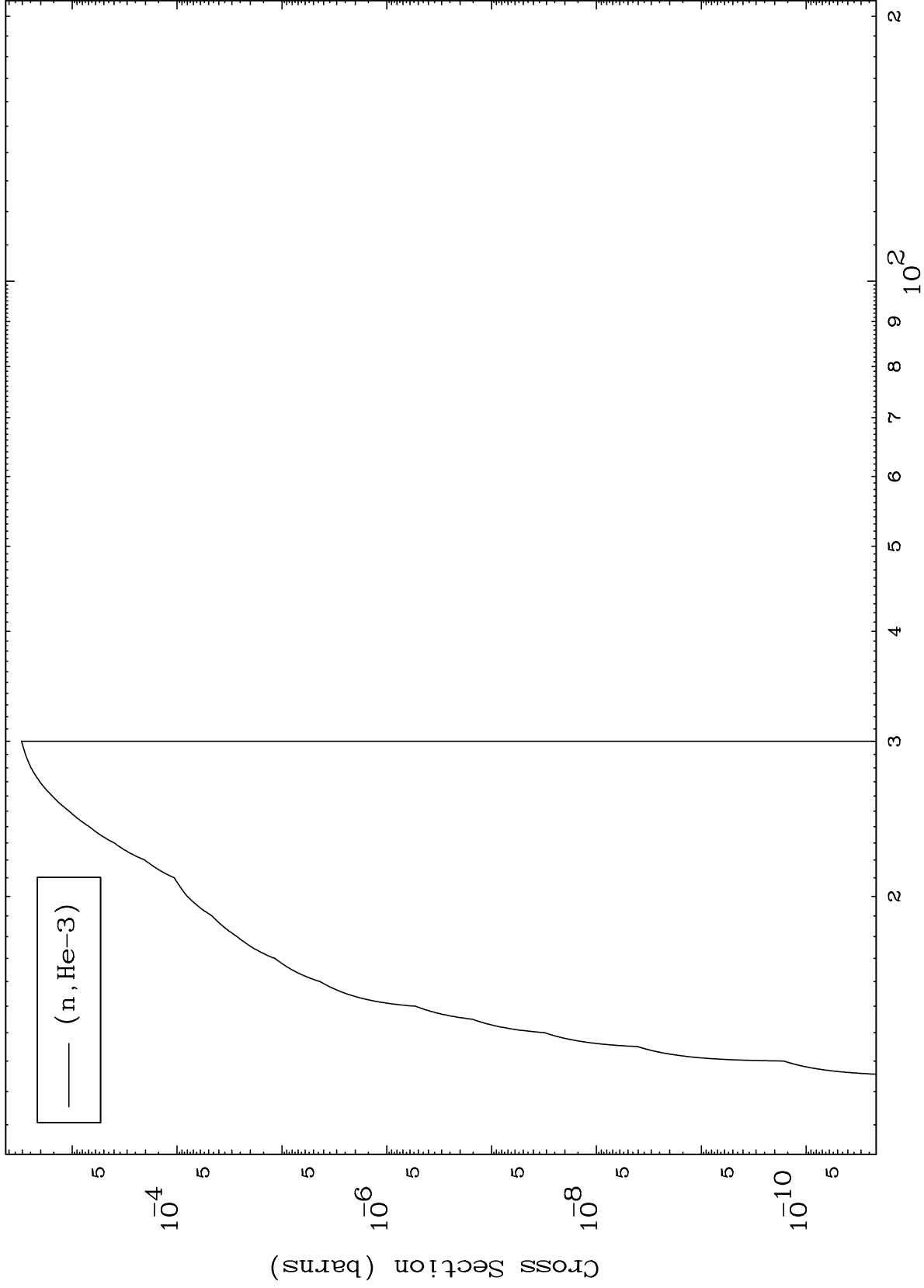
20-Ca-42



MAT 2031

(n,He3) Levels
293 Kelvin Cross Sections

20-Ca-42



15

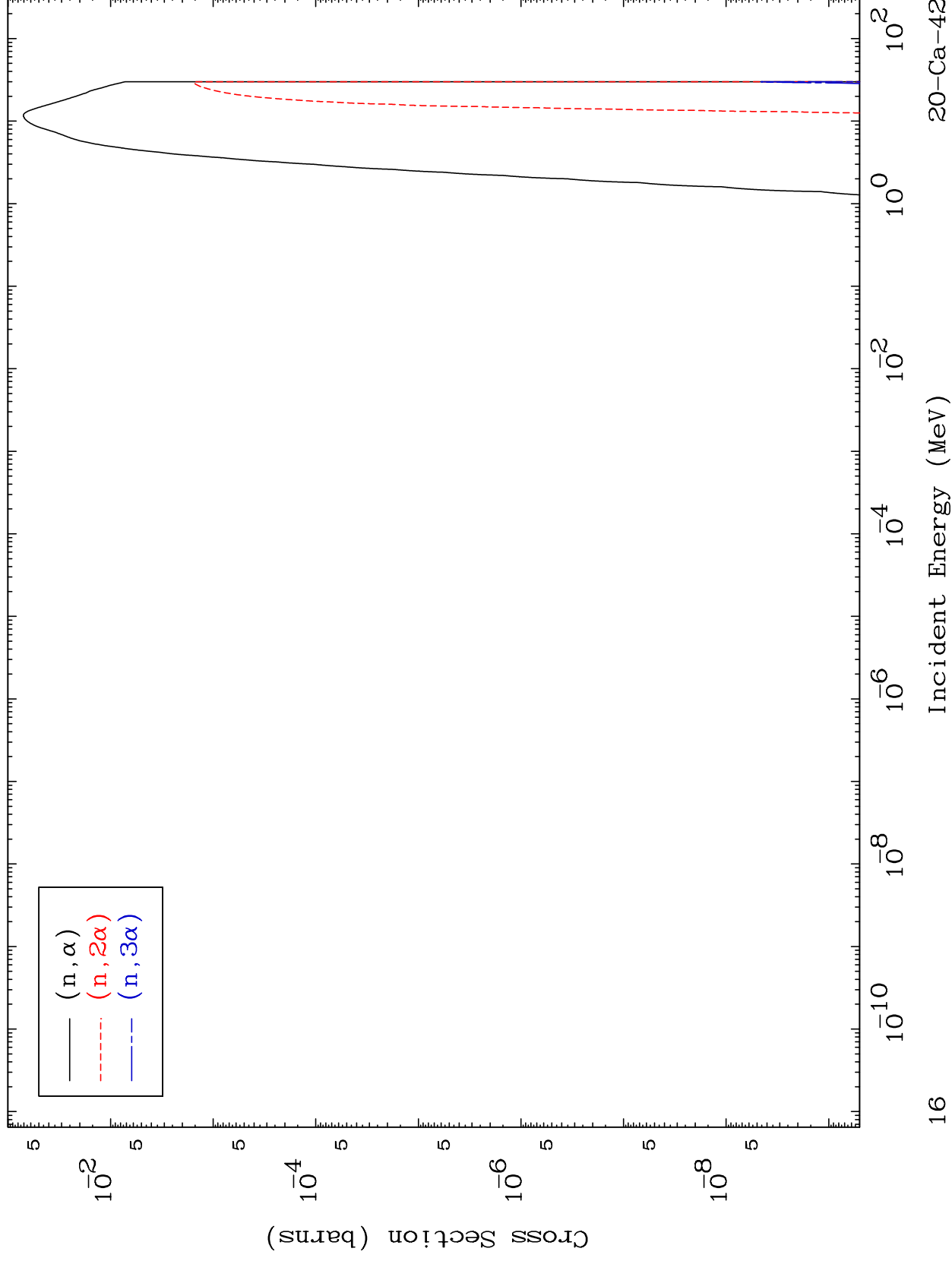
Incident Energy (MeV)

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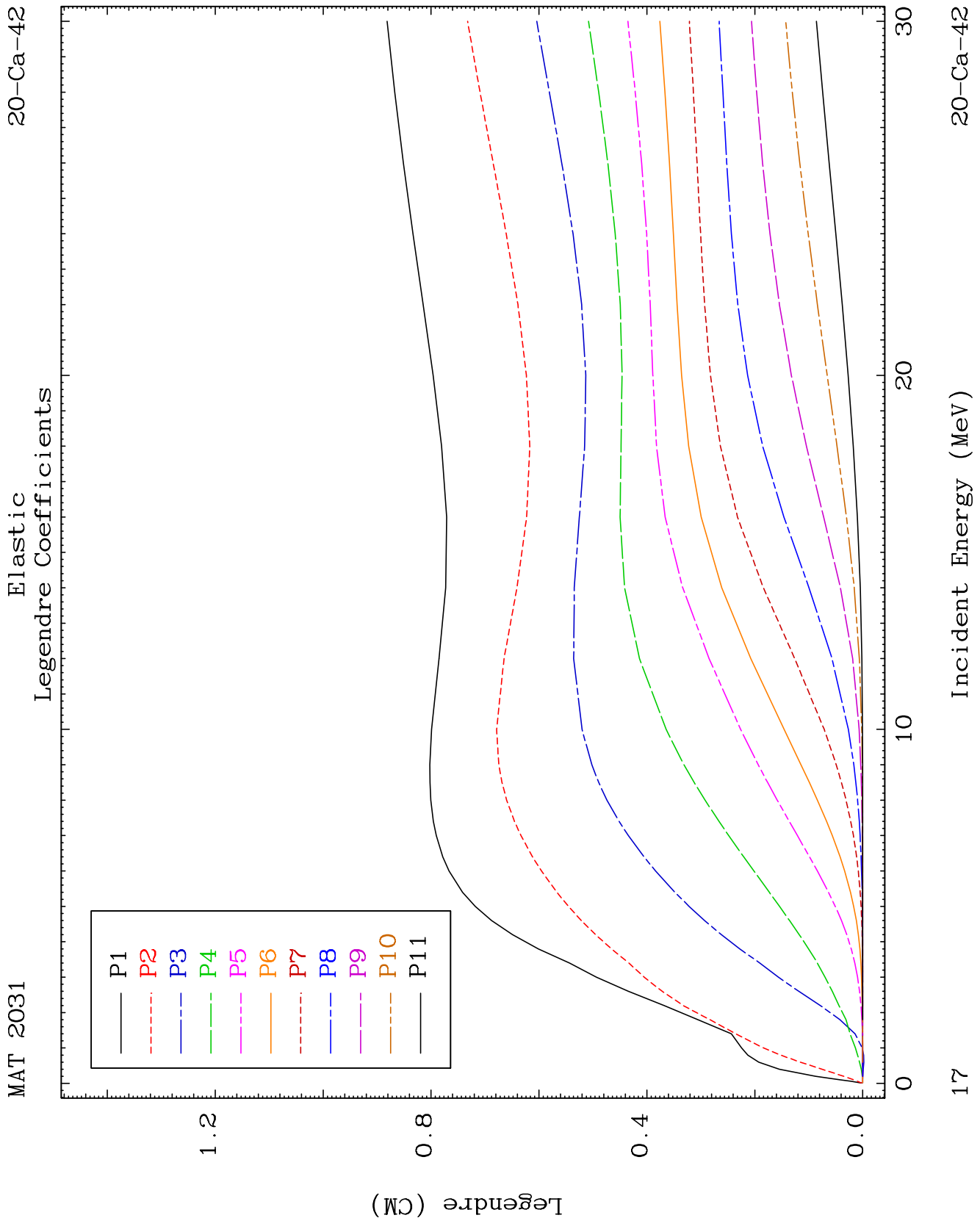
MAT 2031

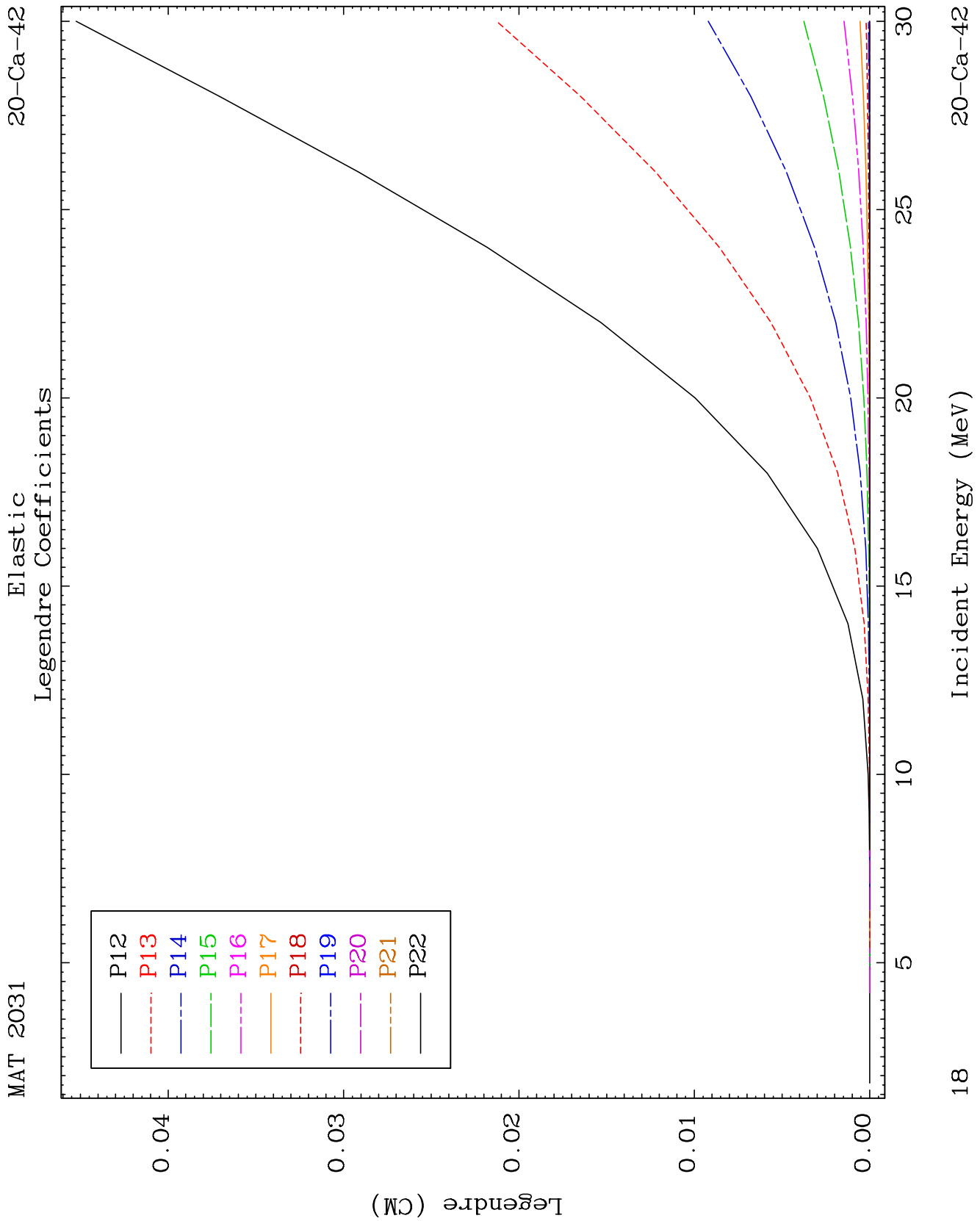
(n, α) Levels
293 Kelvin Cross Sections

20-Ca-42



16





MAT 2031

20-Ca-42

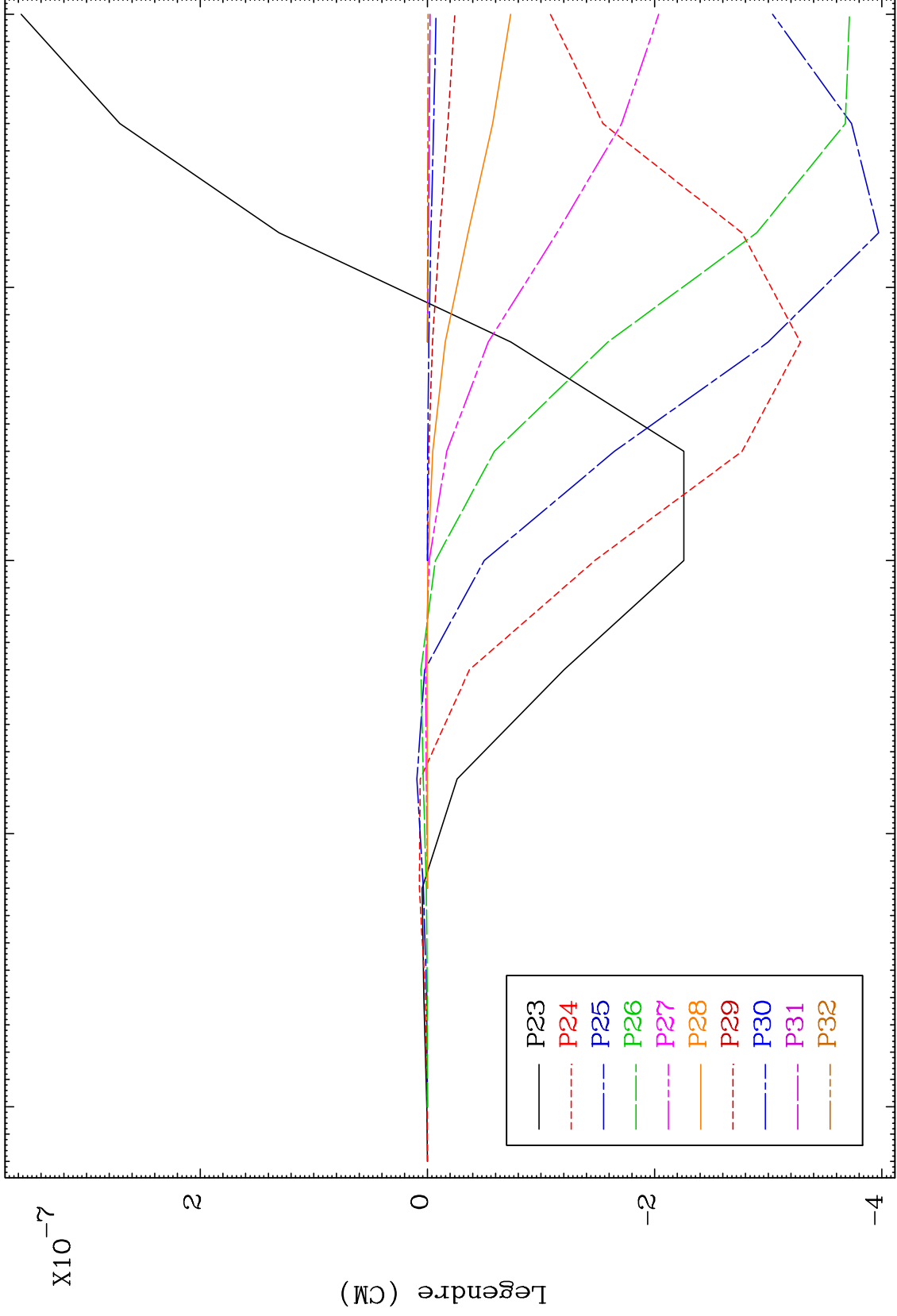
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20-Ca-42

MAT 2031

Elastic Legendre Coefficients

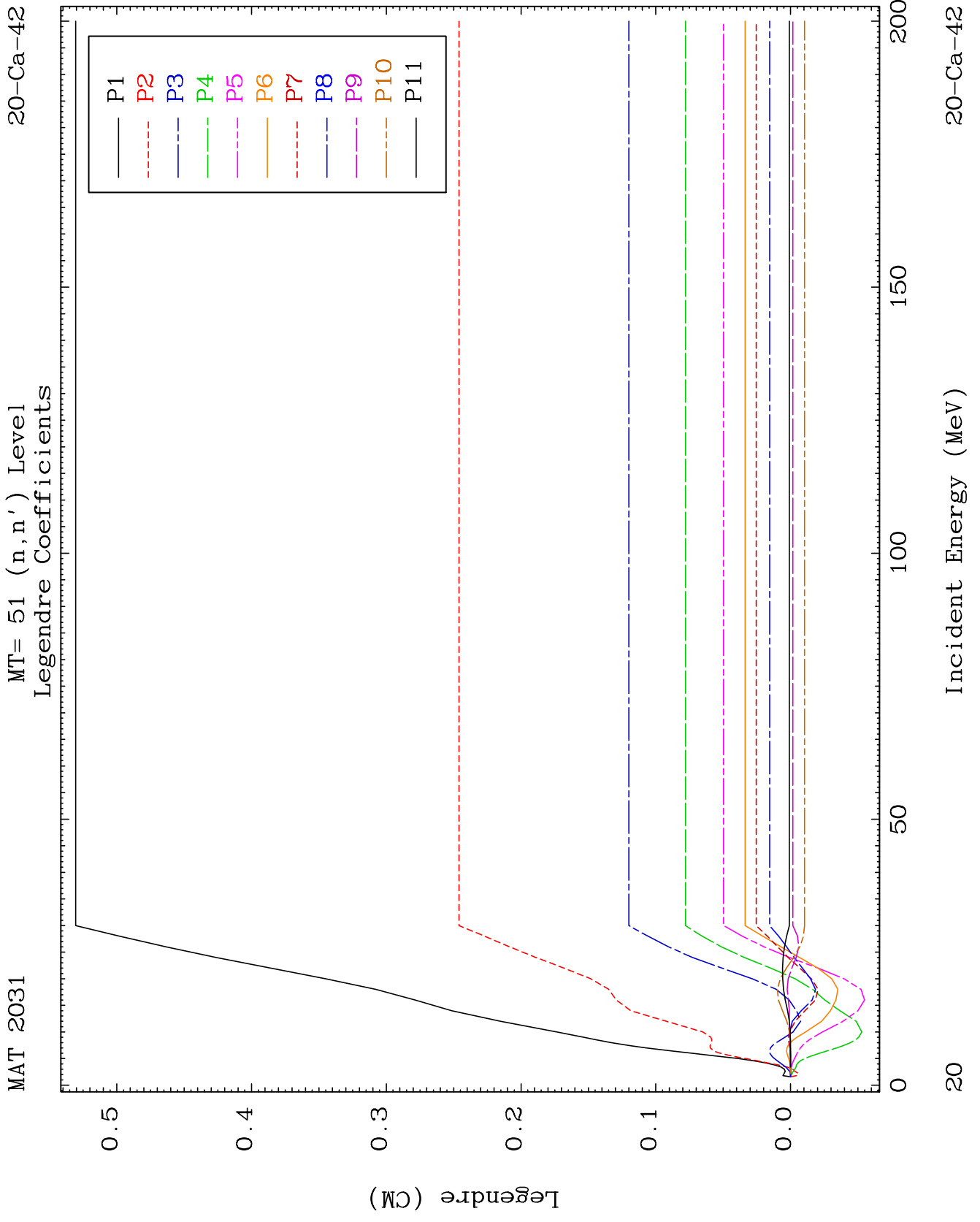
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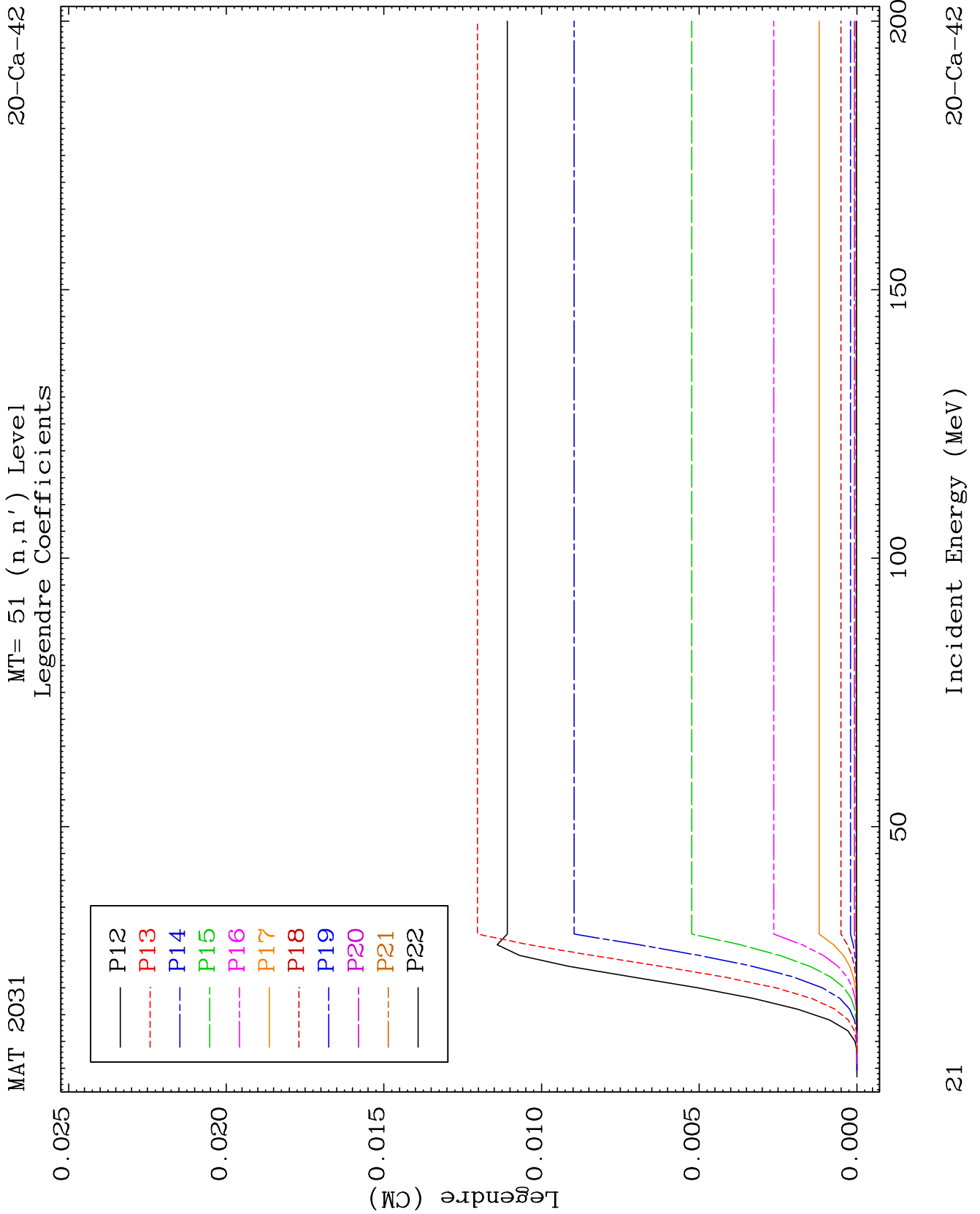


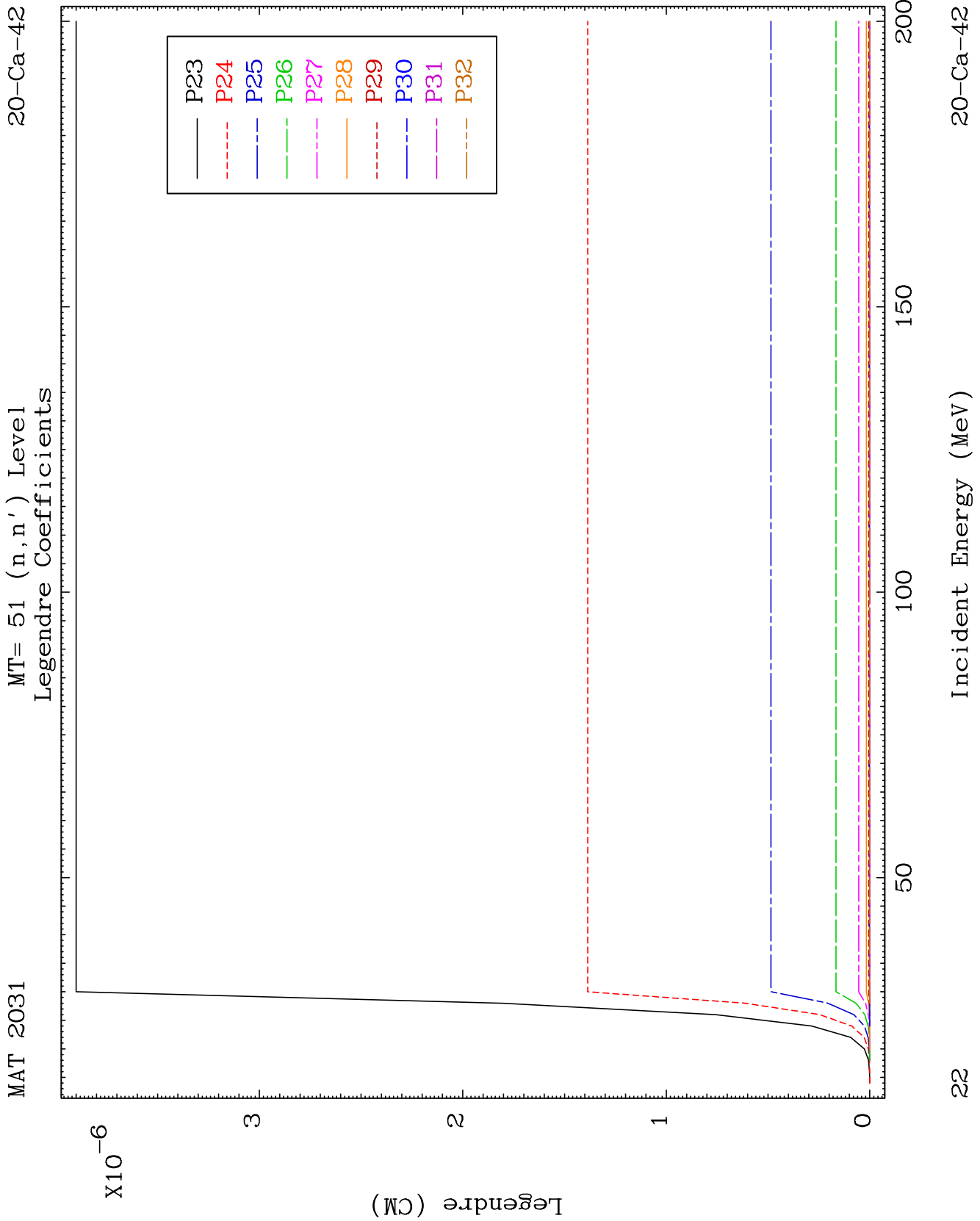
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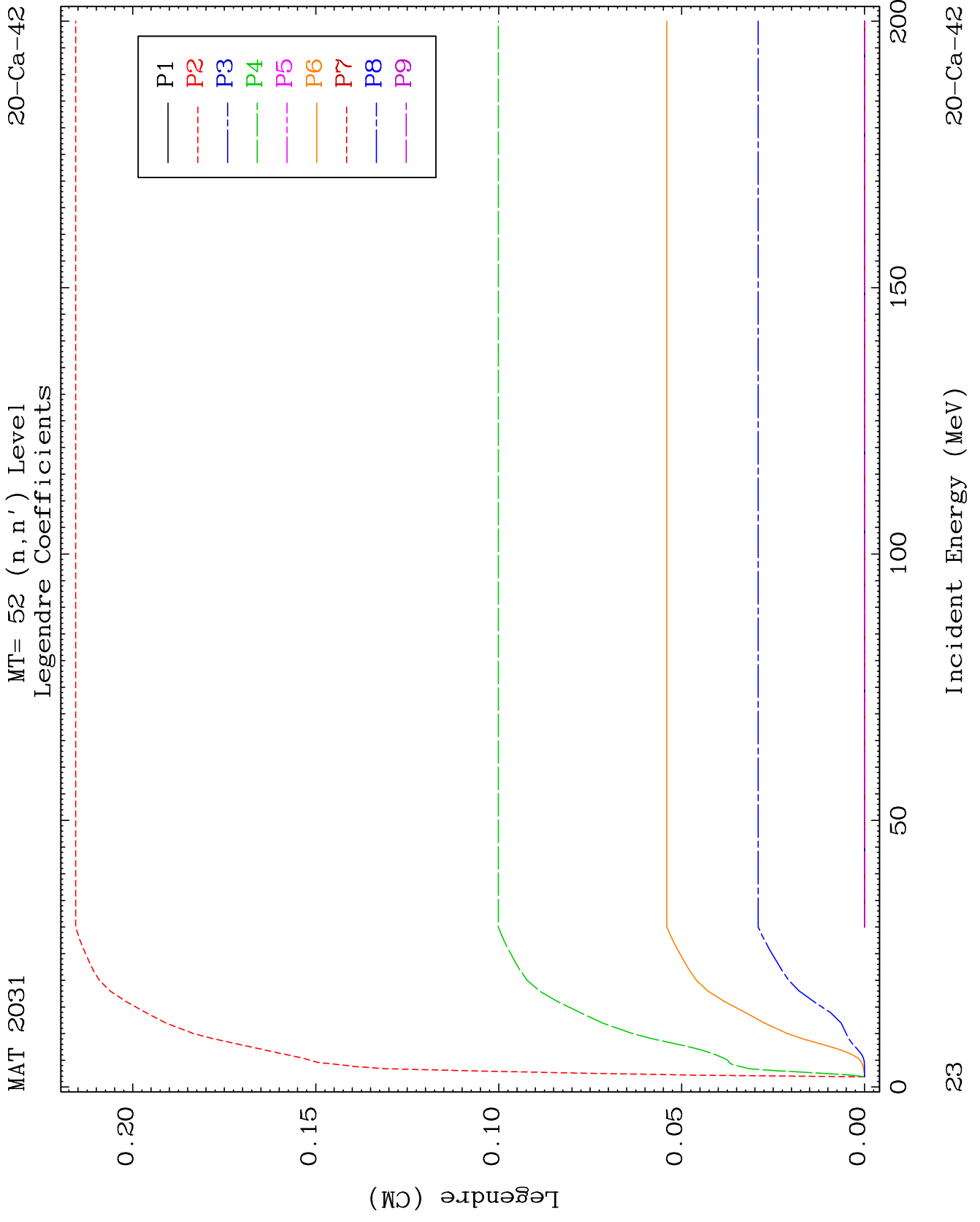
Incident Energy (MeV)

20-Ca-42





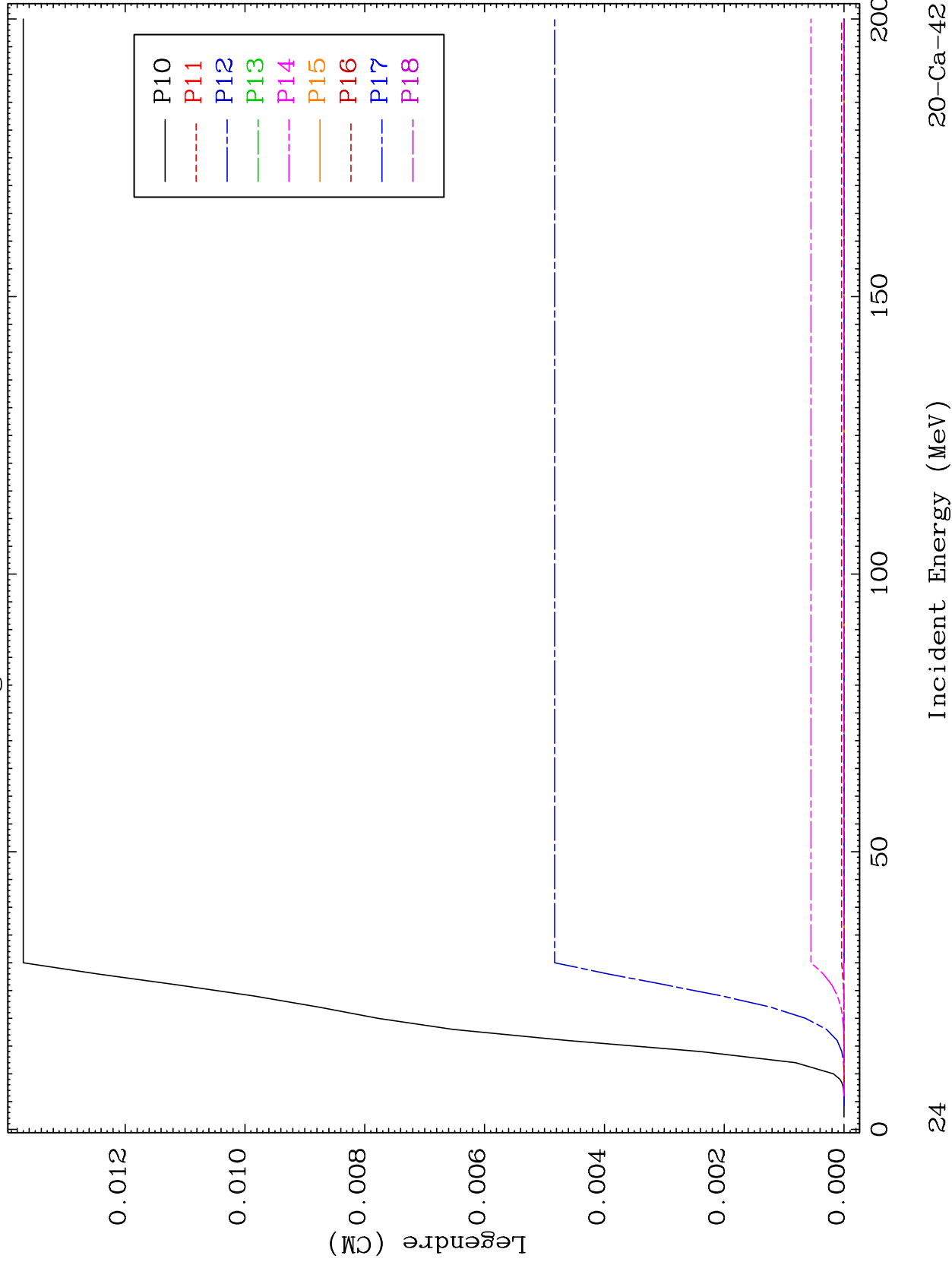




MAT 2031

MT= 52 (n,n') Level
Legendre Coefficients

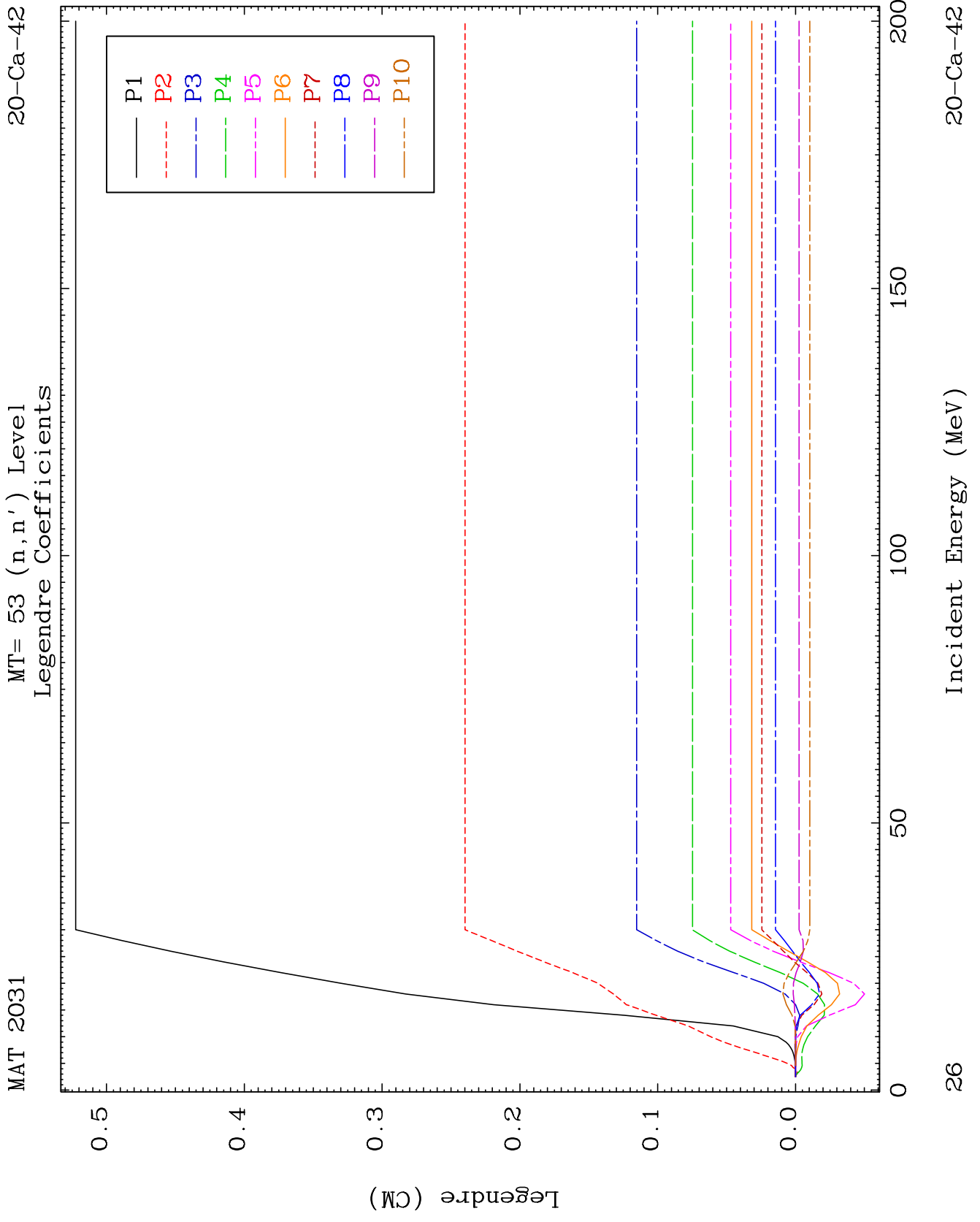
20-Ca-42



24

Incident Energy (MeV)

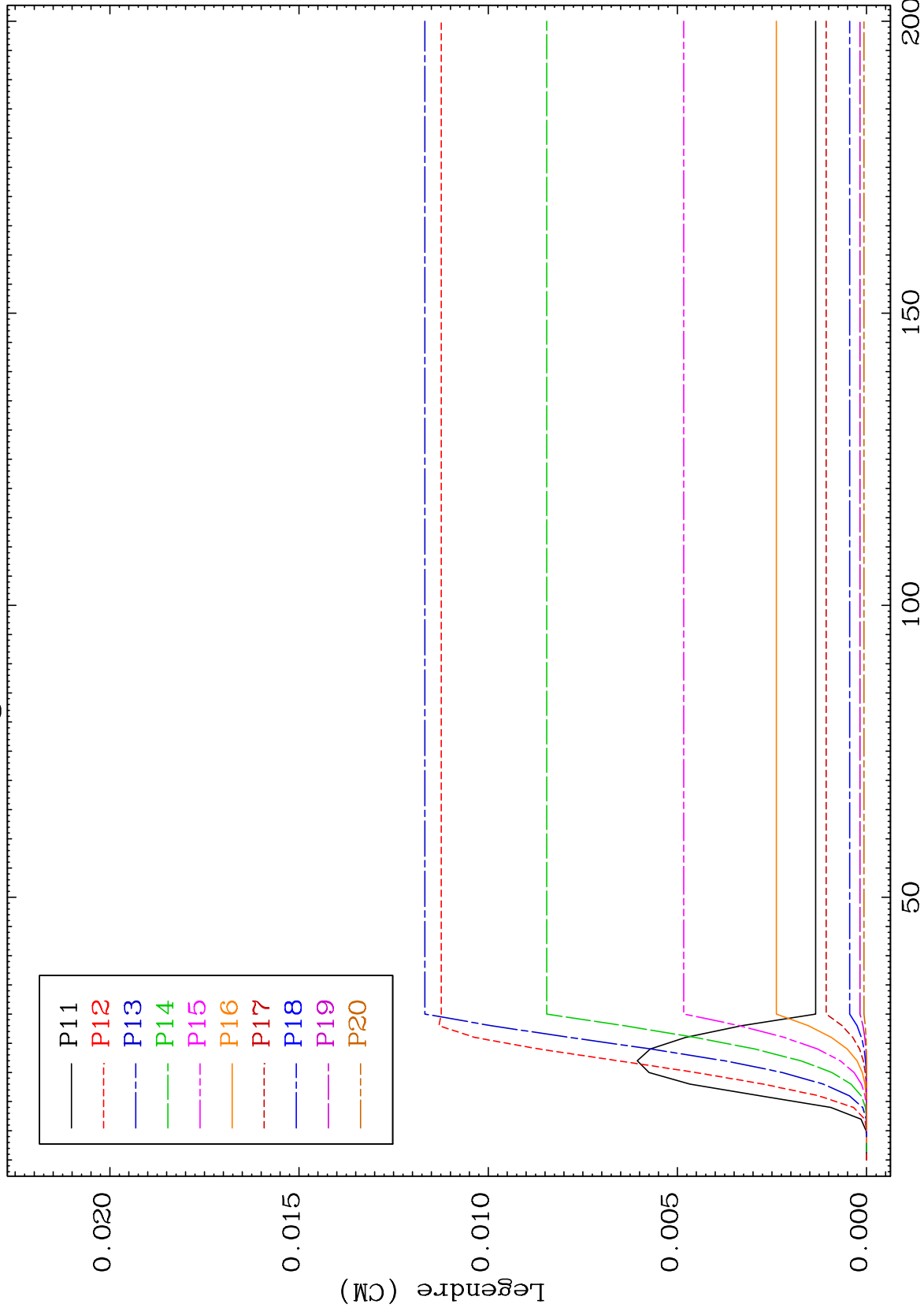
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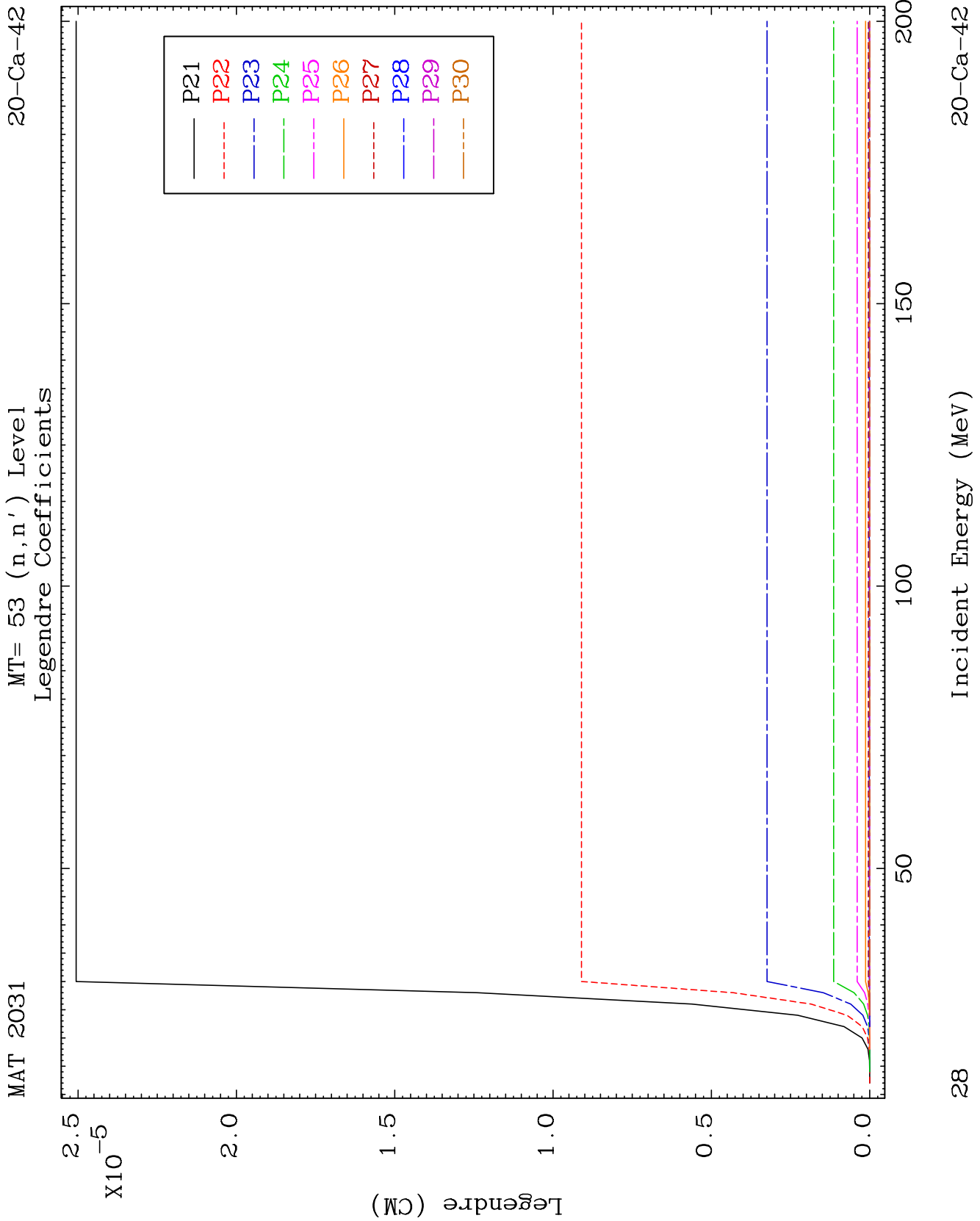


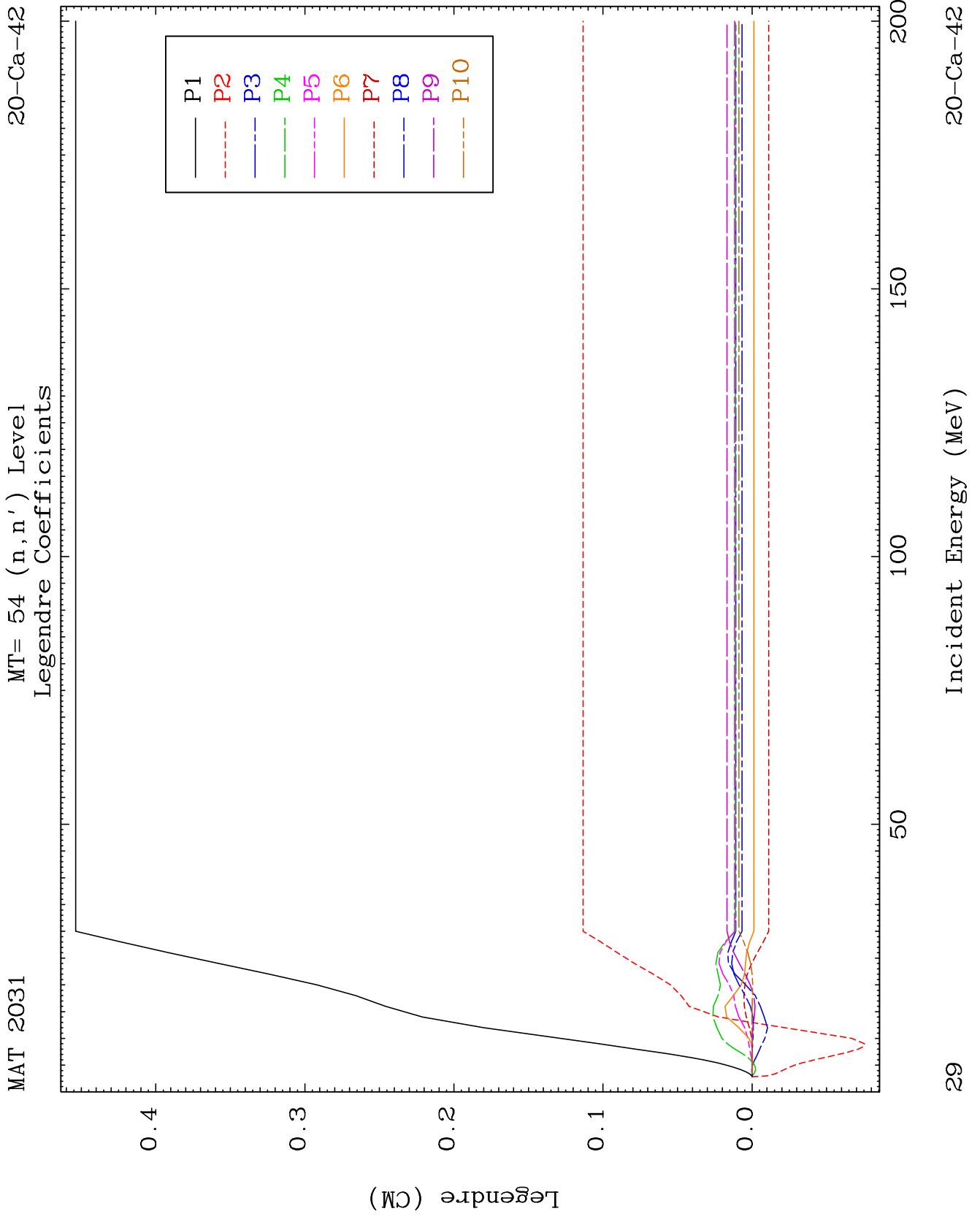
MAT 2031

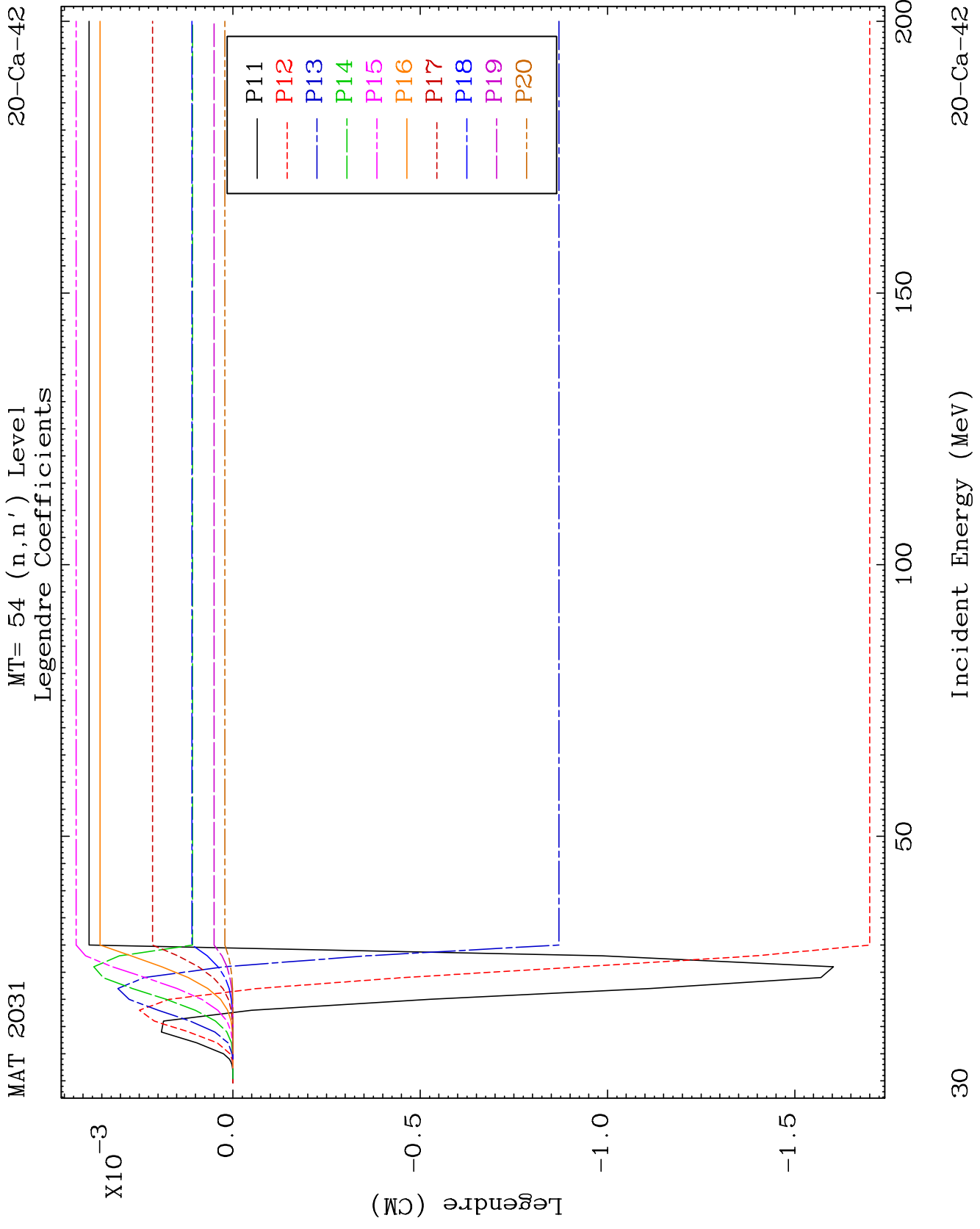
MT= 53 (n,n') Level
Legendre Coefficients

20-Ca-42





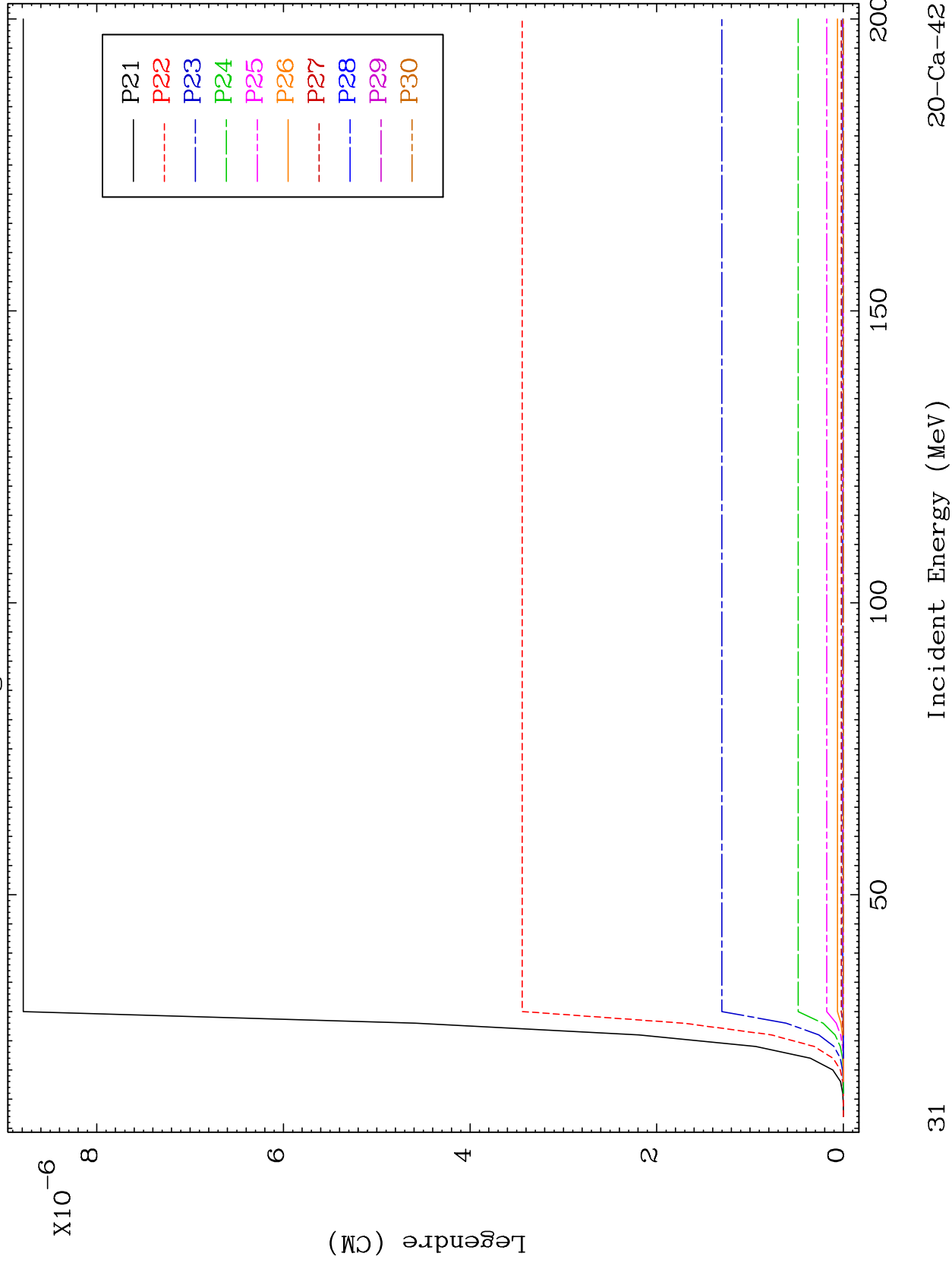


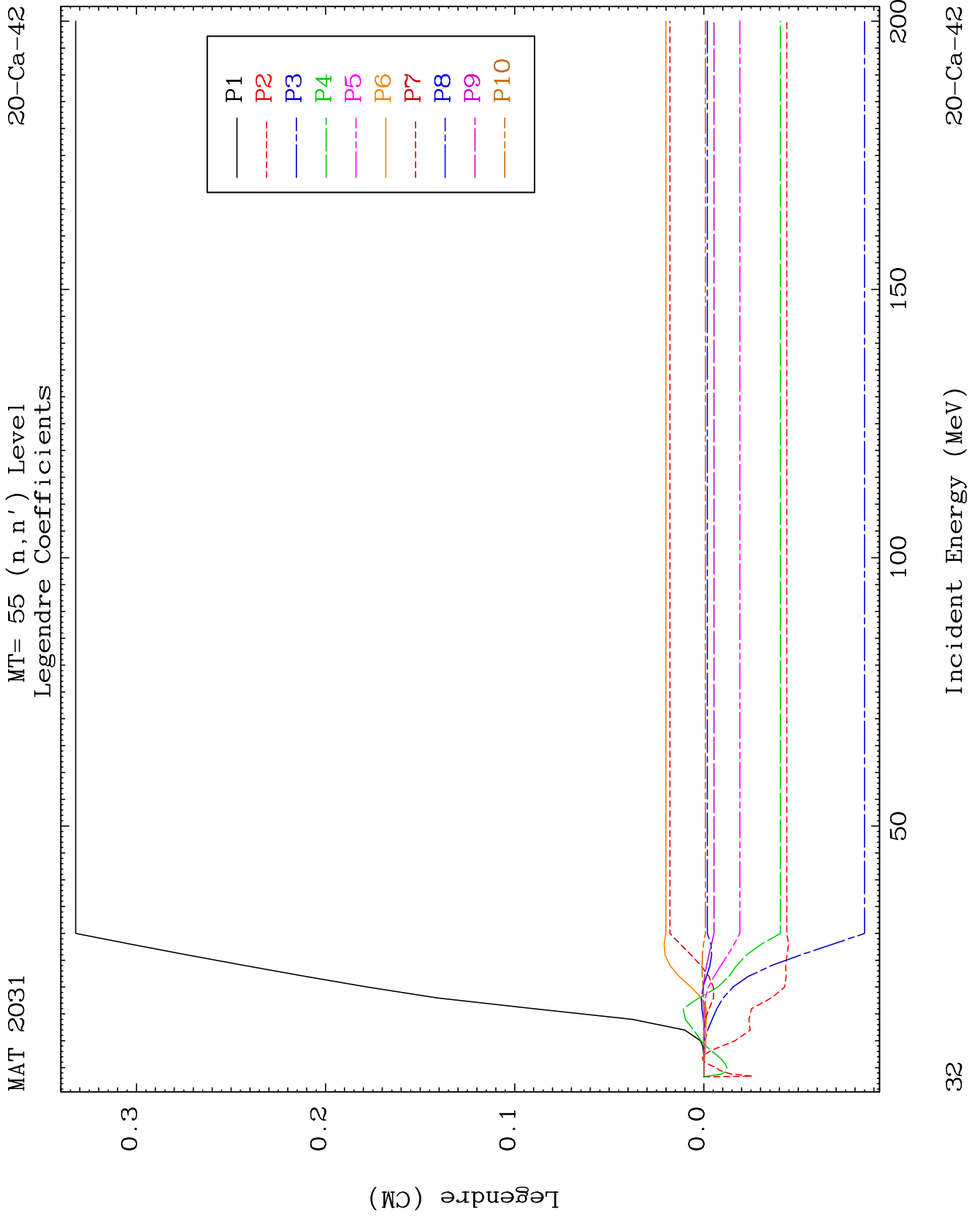


MAT 2031

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

20-Ca-42

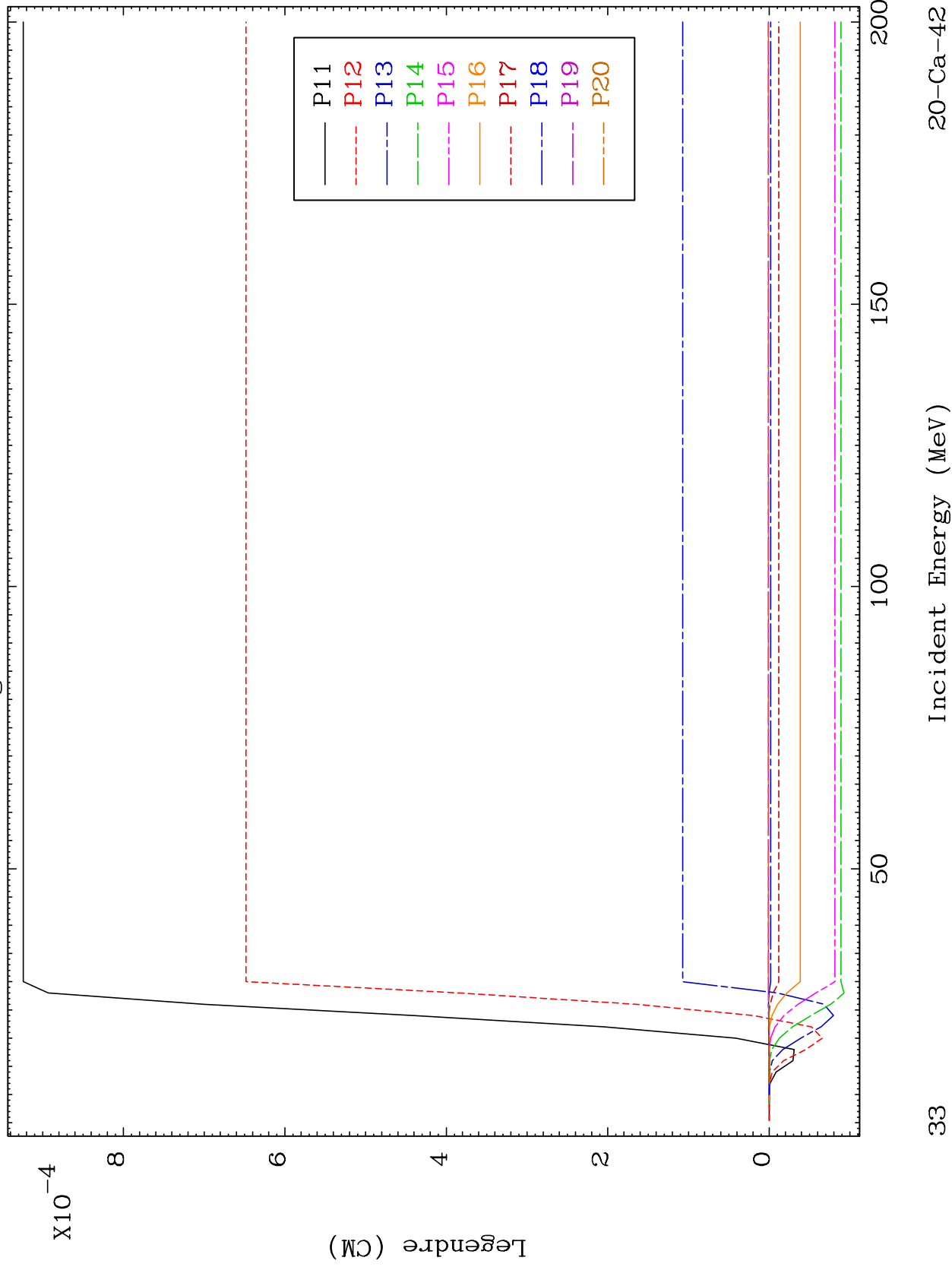




MAT 2031

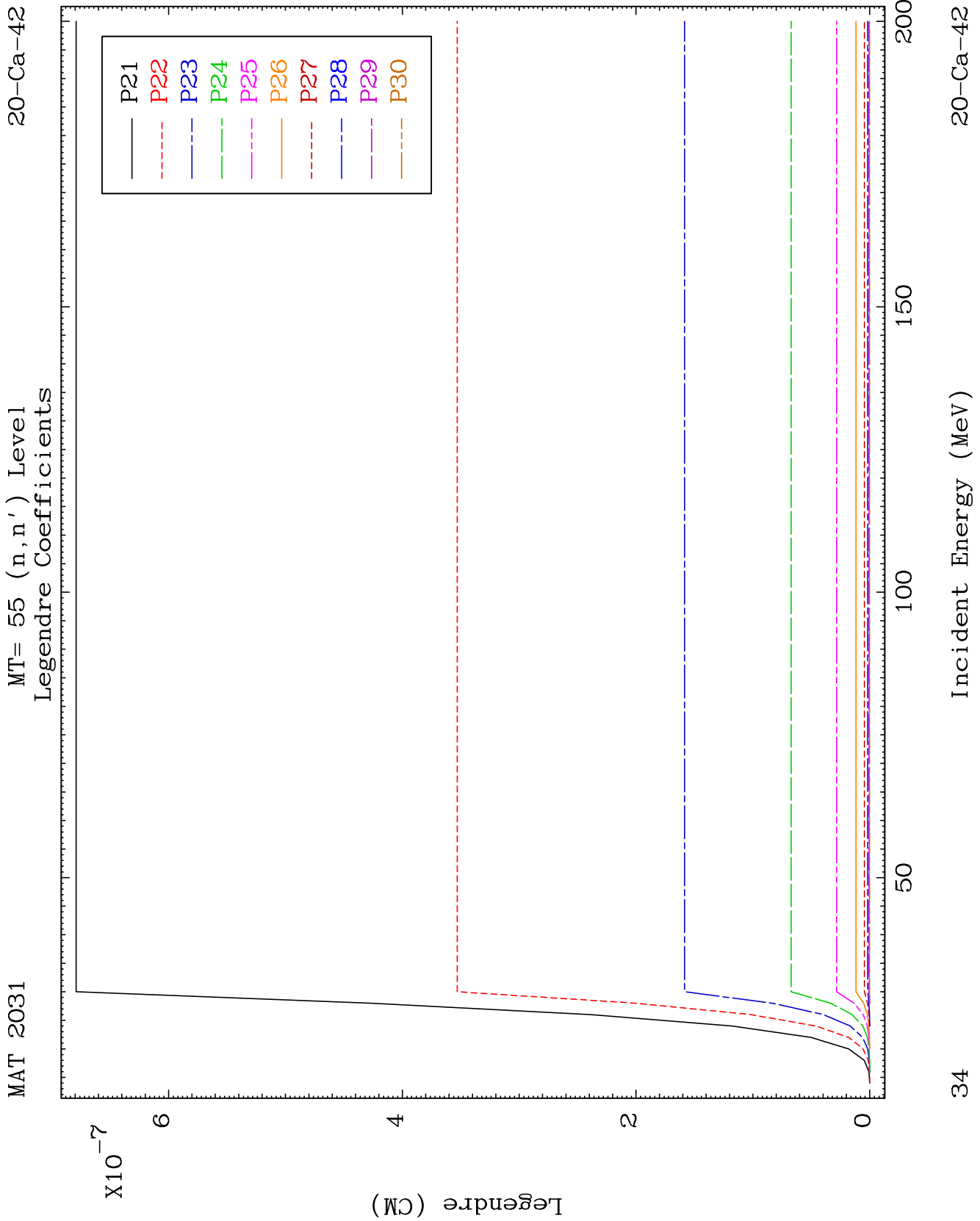
MT= 55 (n,n') Level
Legendre Coefficients

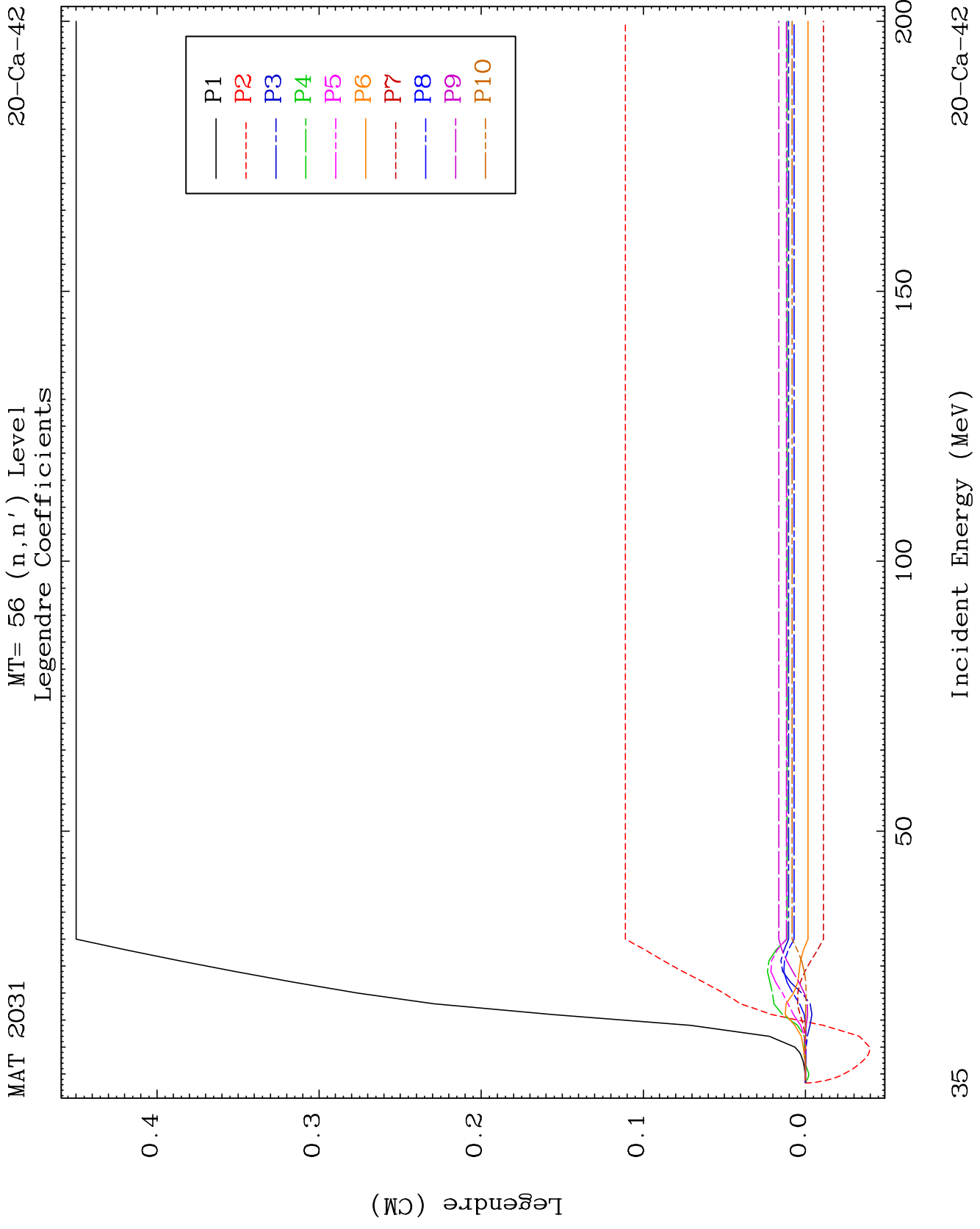
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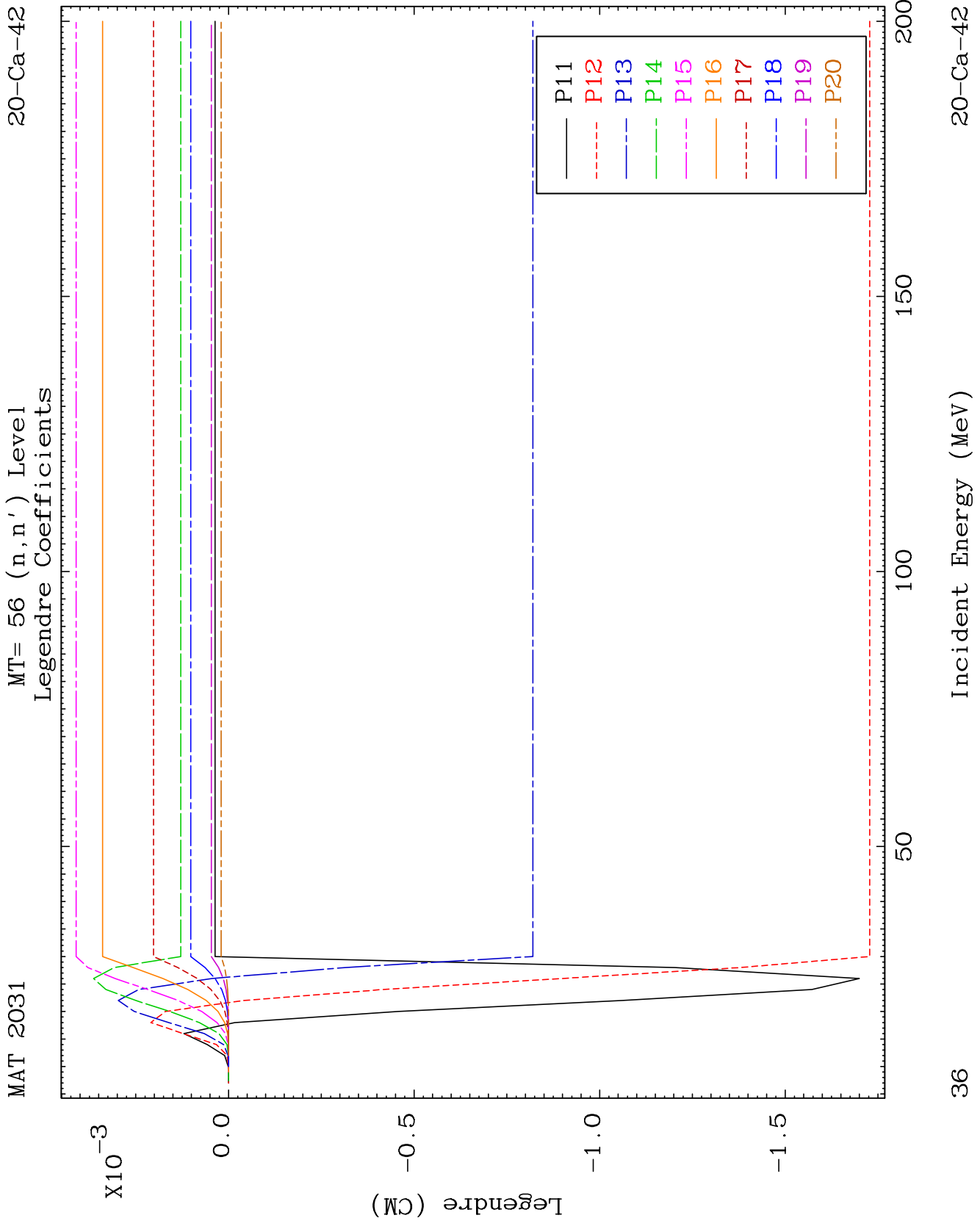


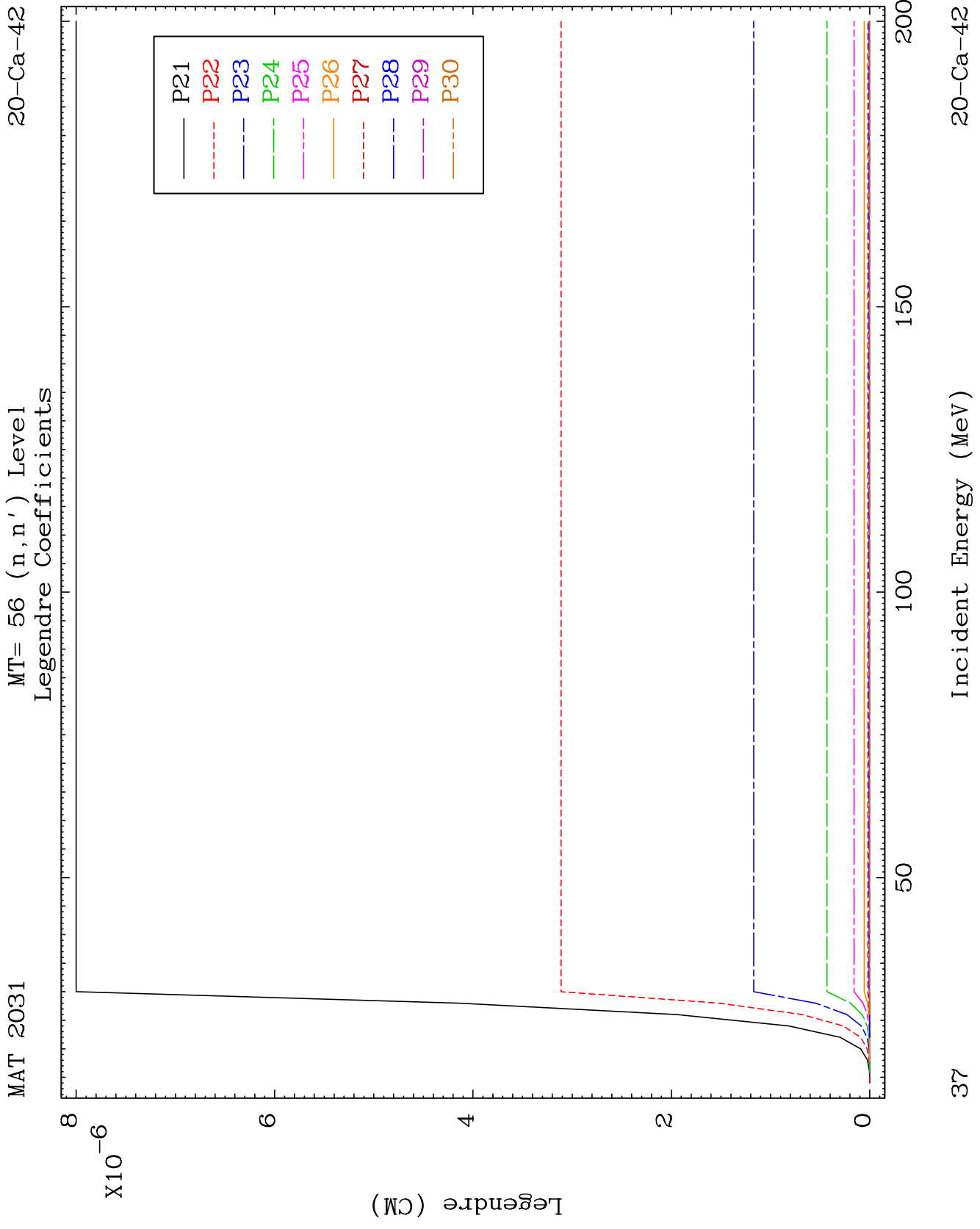
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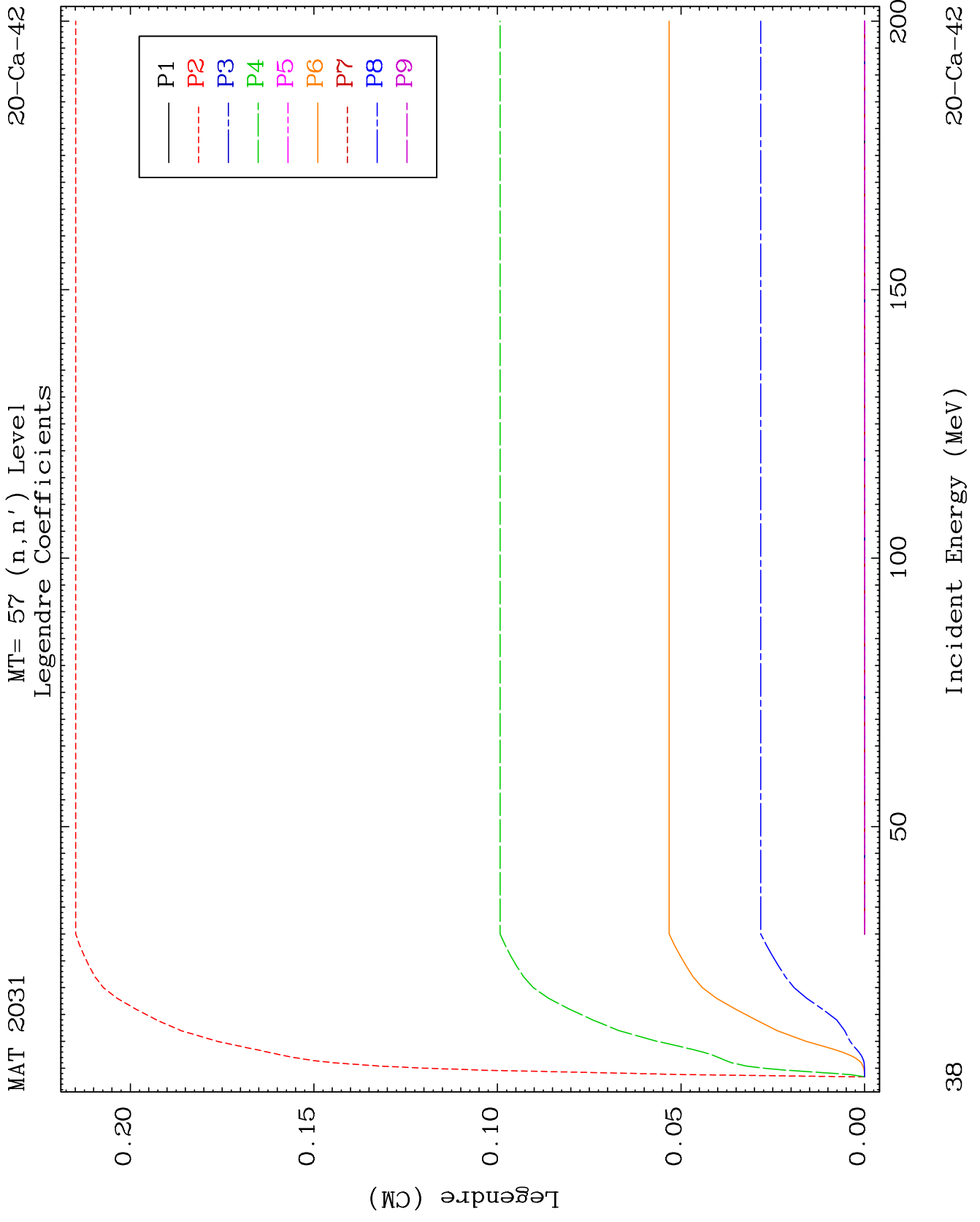
20-Ca-42







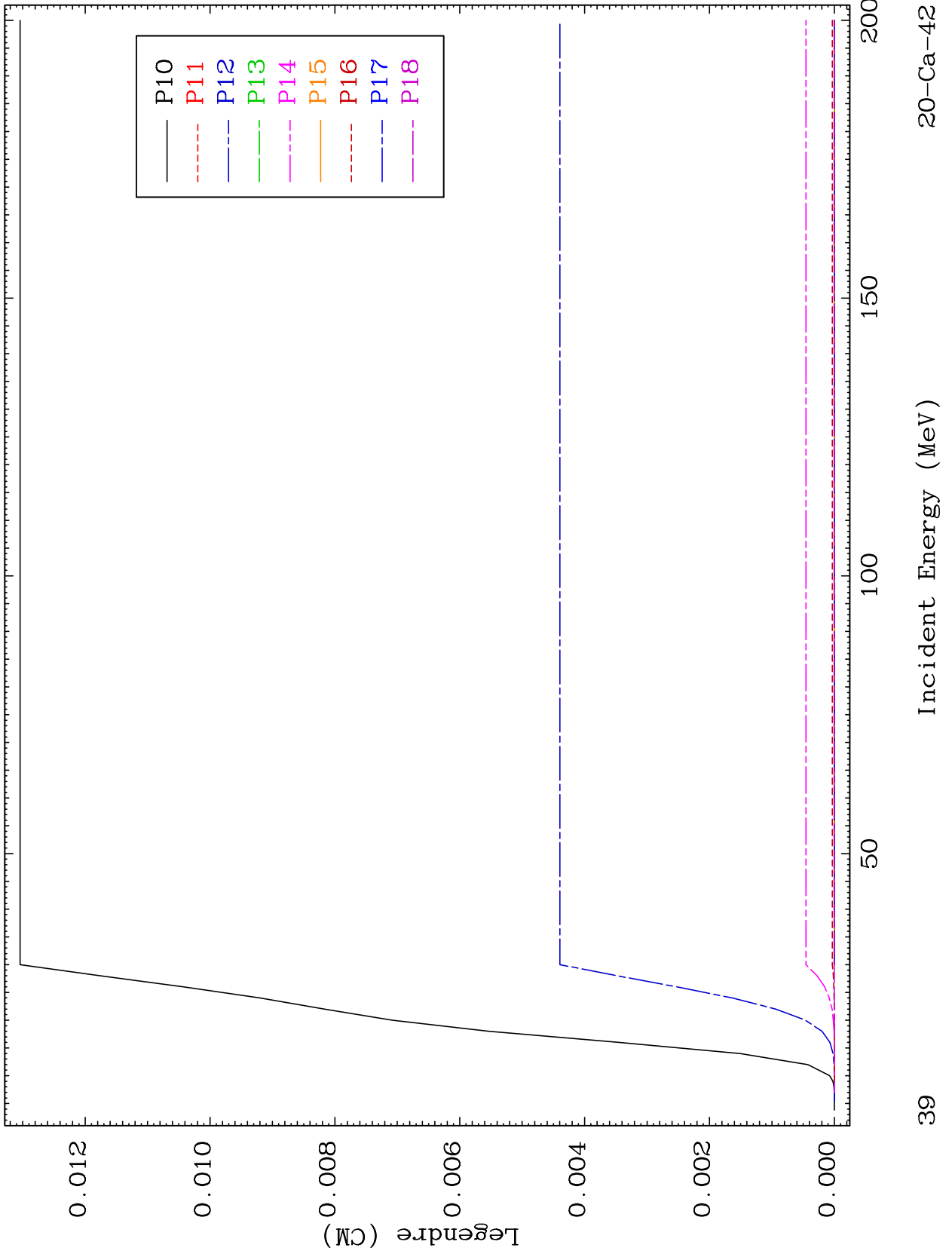




MAT 2031

MT= 57 (n,n') Level
Legendre Coefficients

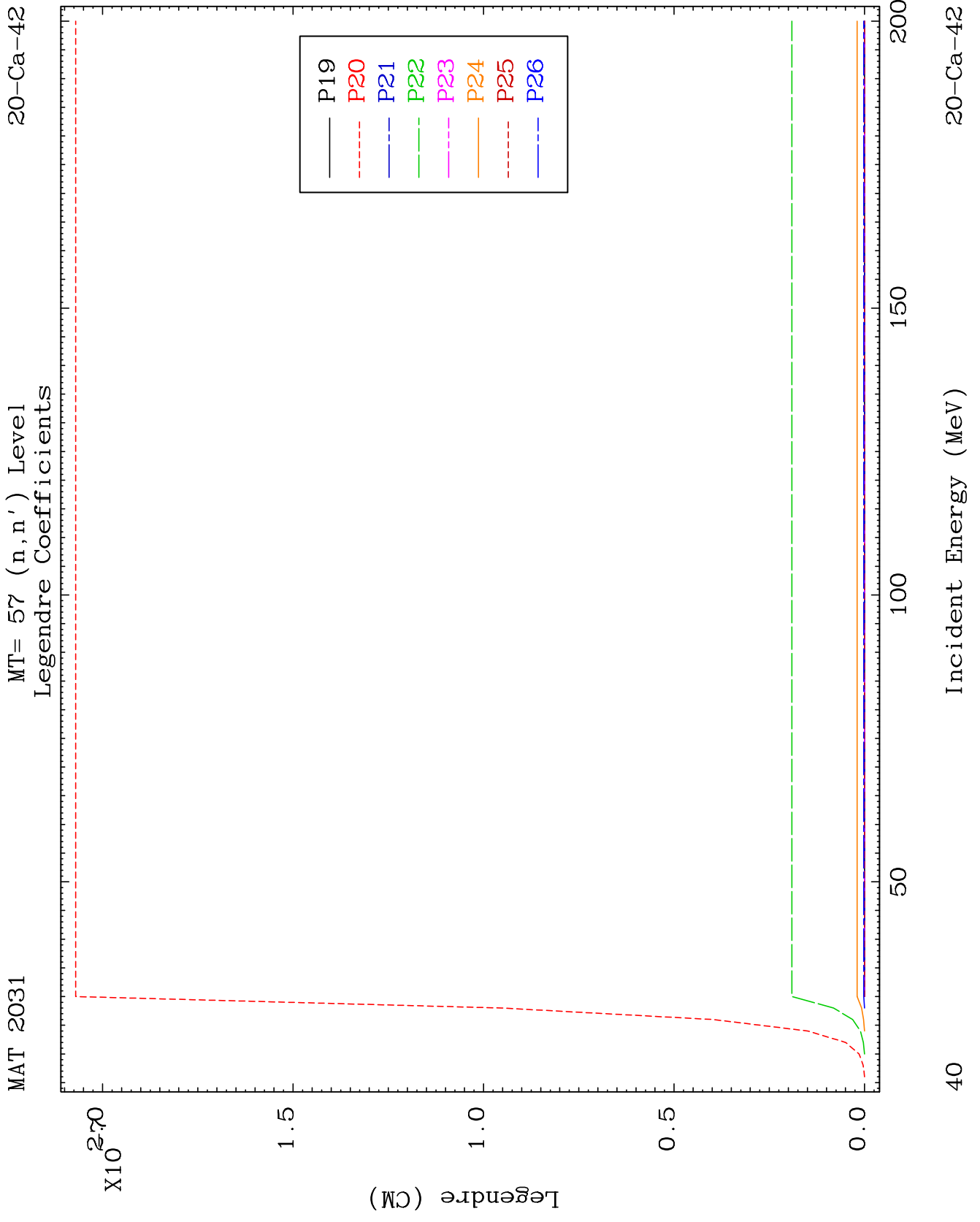
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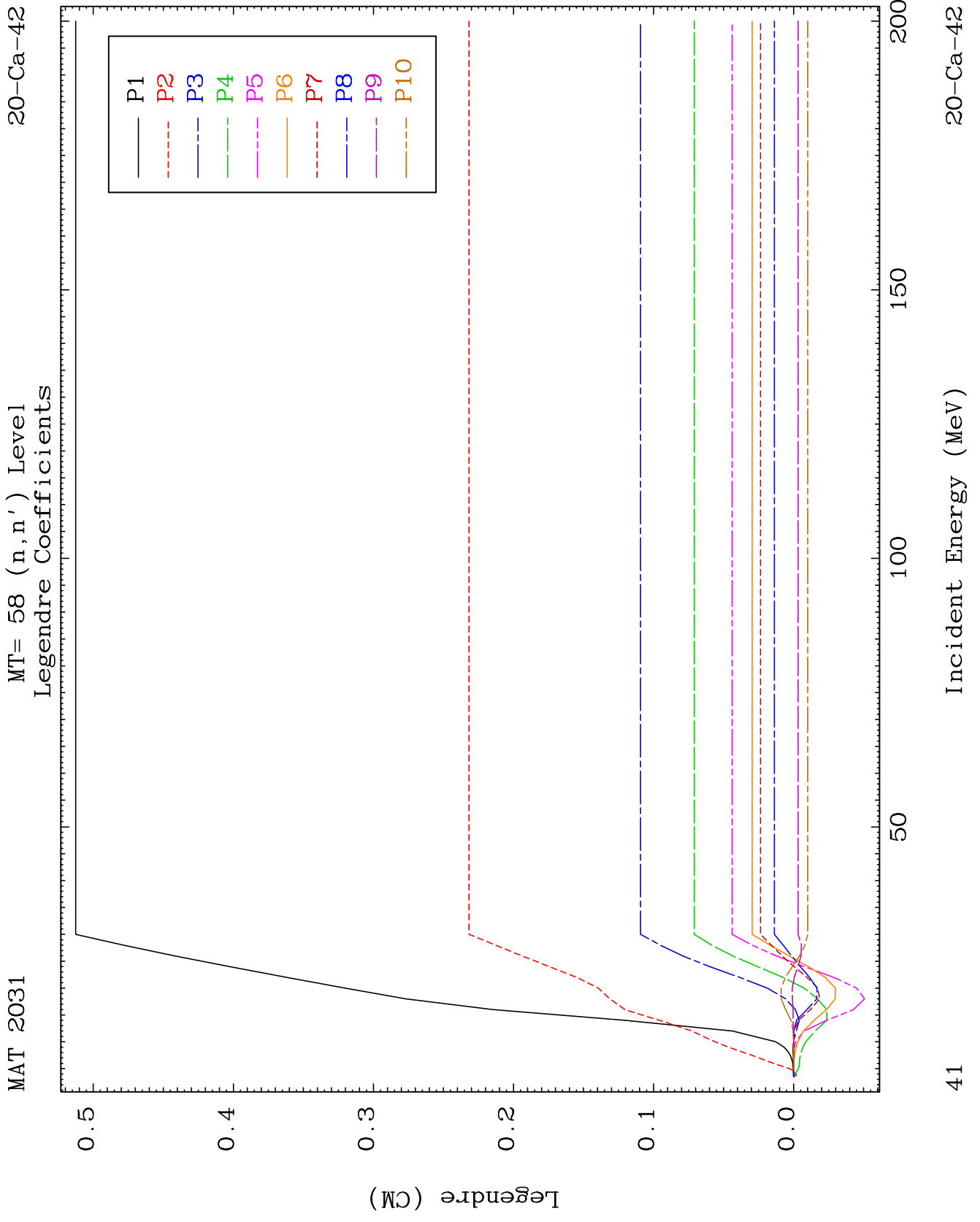


39

Incident Energy (MeV)

20-Ca-42

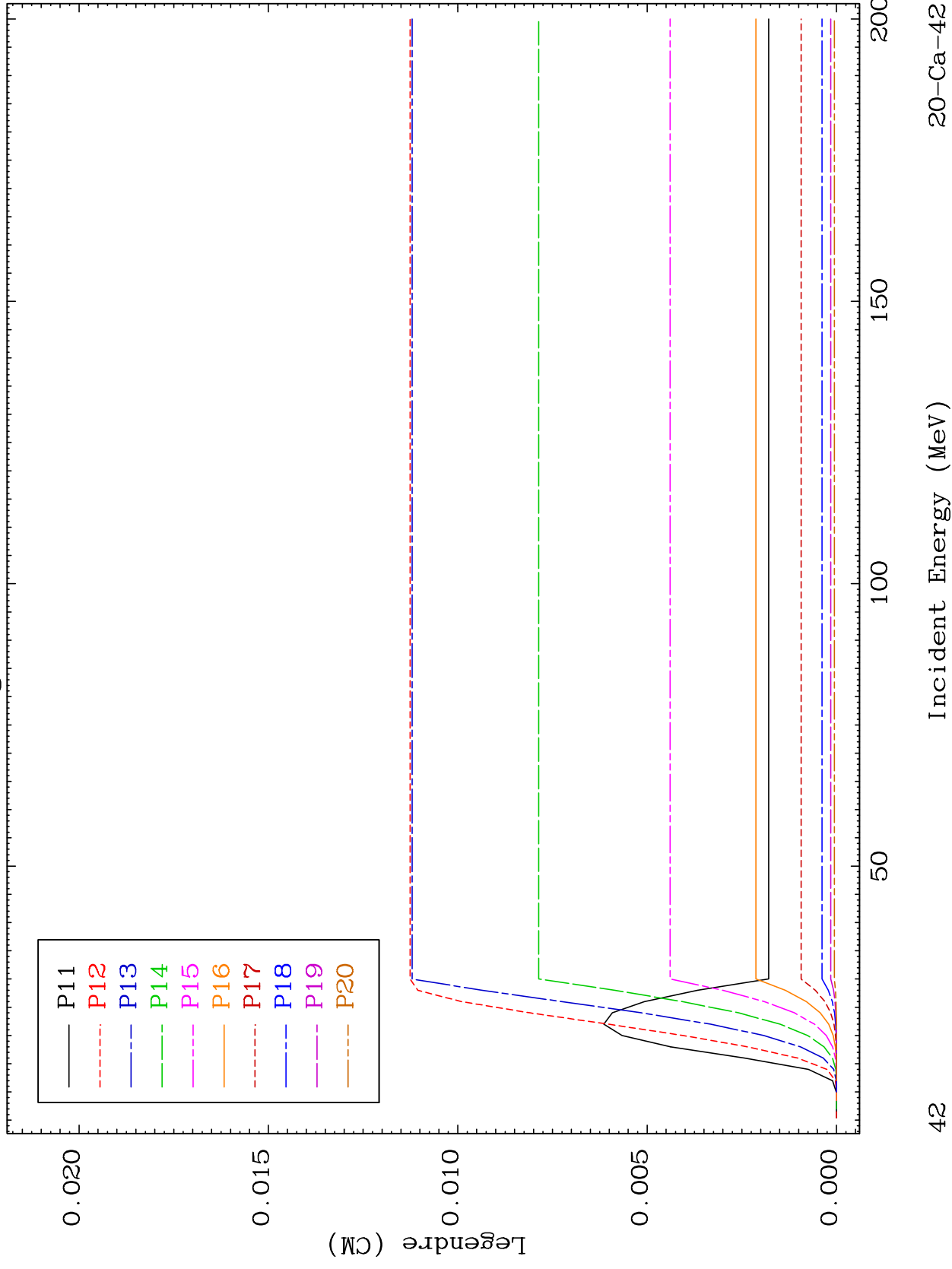




MAT 2031

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

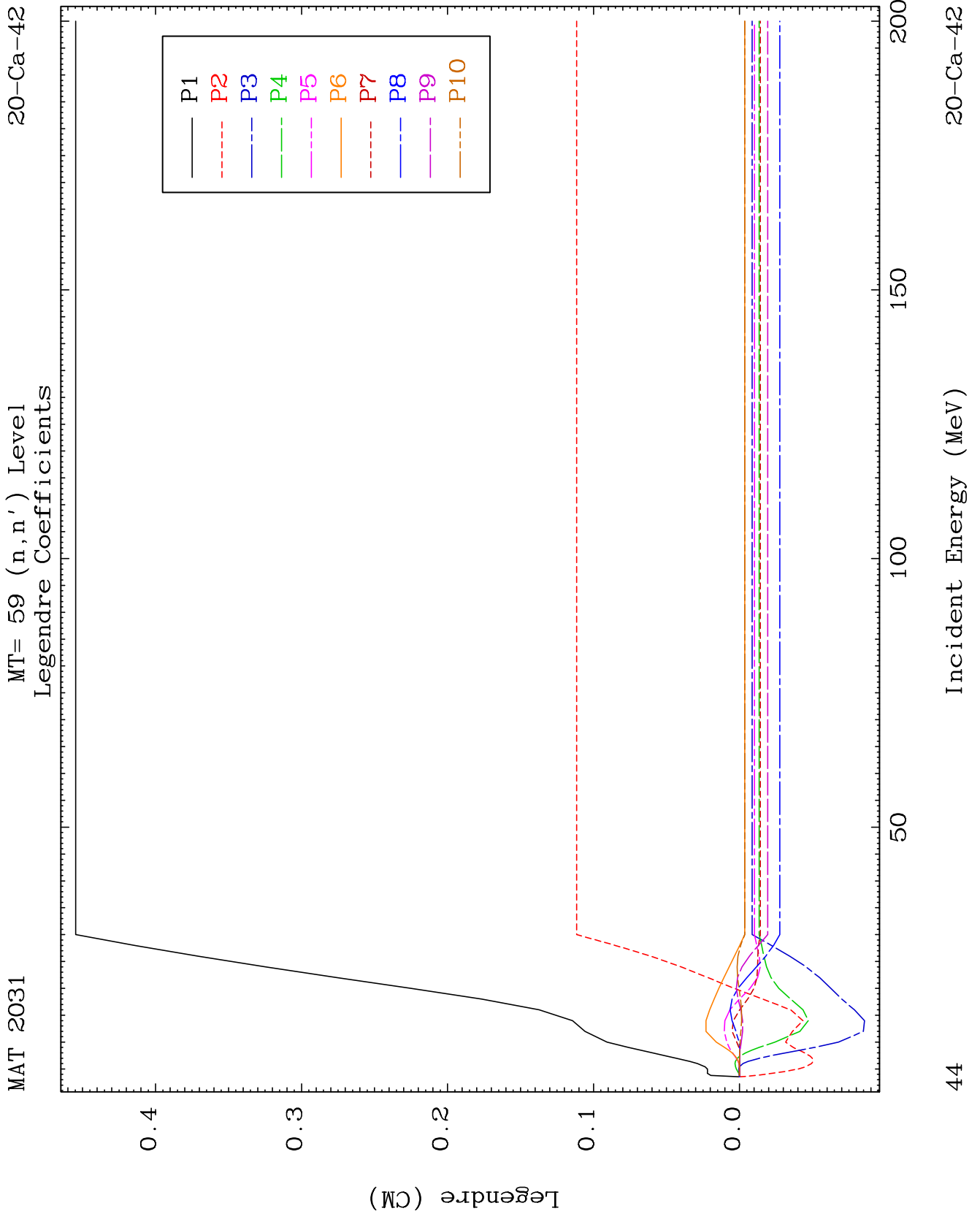
20-Ca-42



42

Incident Energy (MeV)

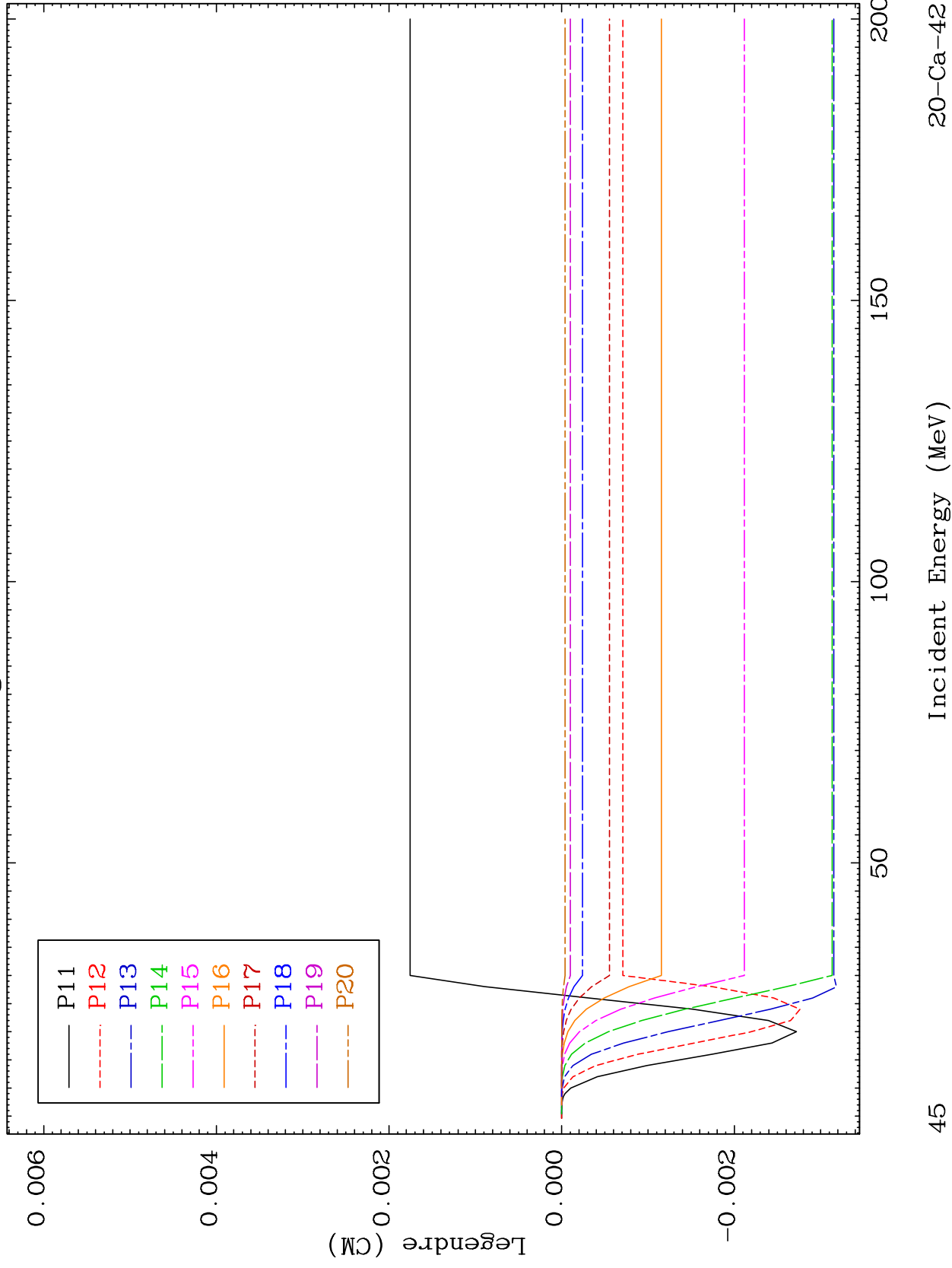
20-Ca-42



MAT 2031

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

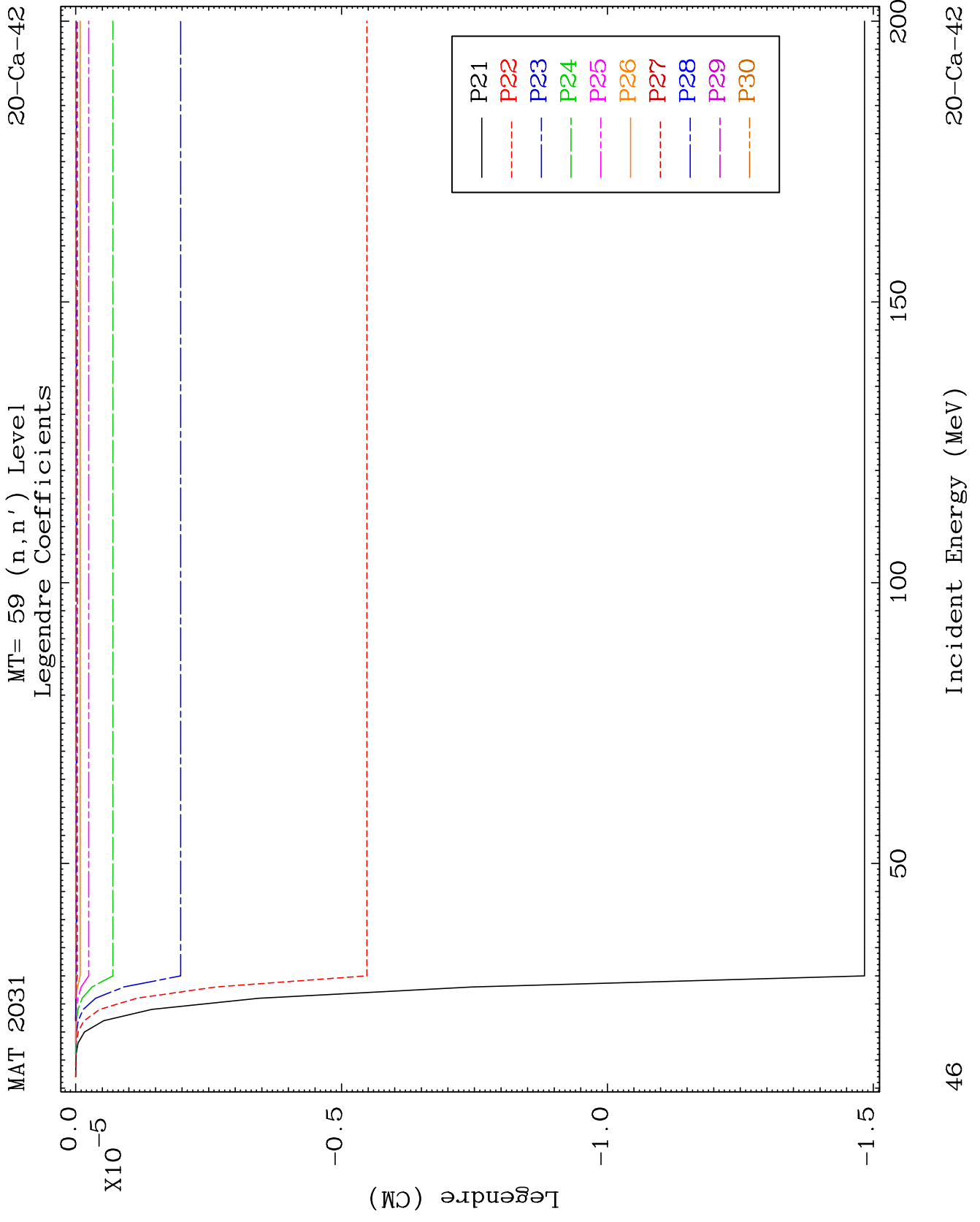
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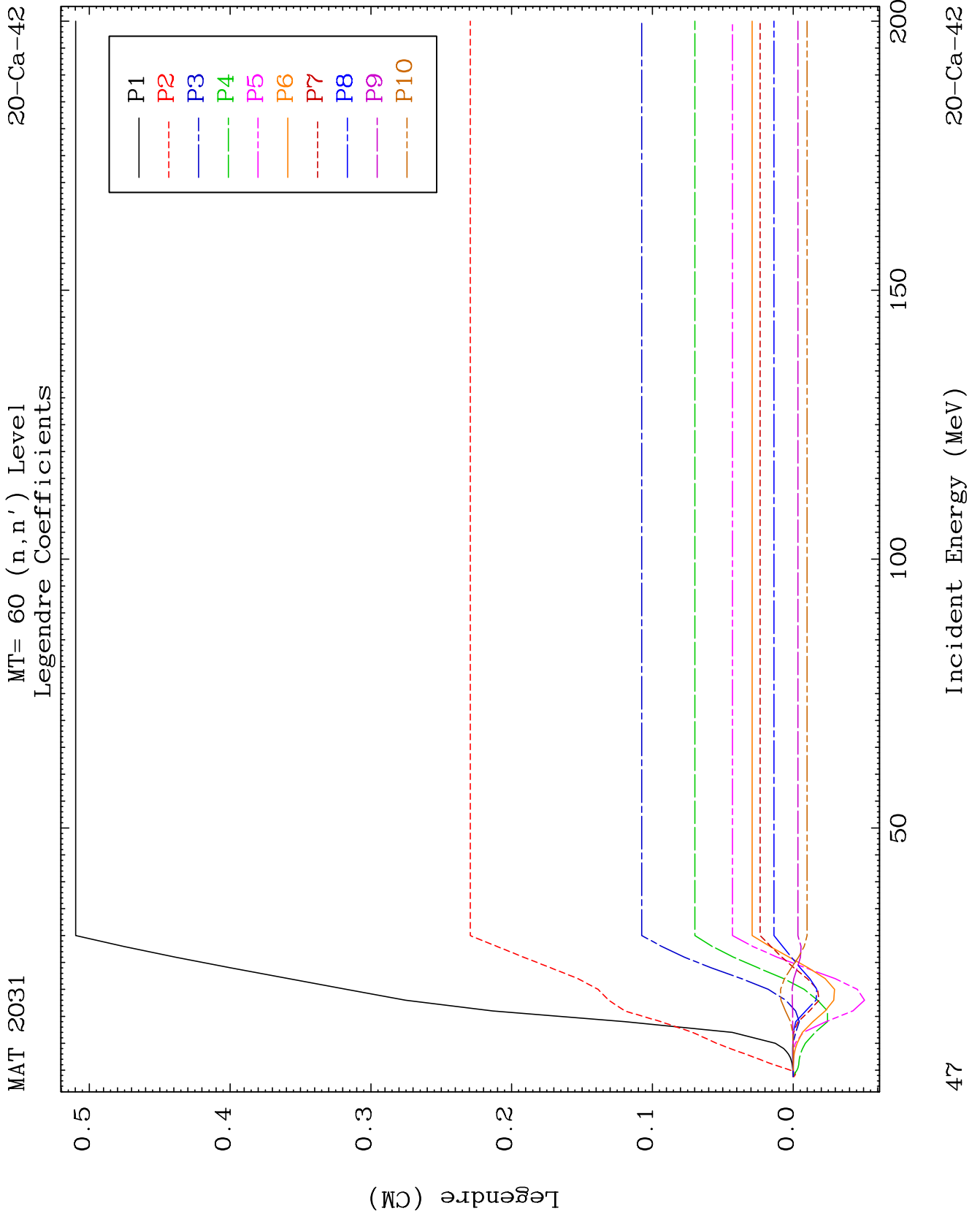


45

Incident Energy (MeV)

20-Ca-42

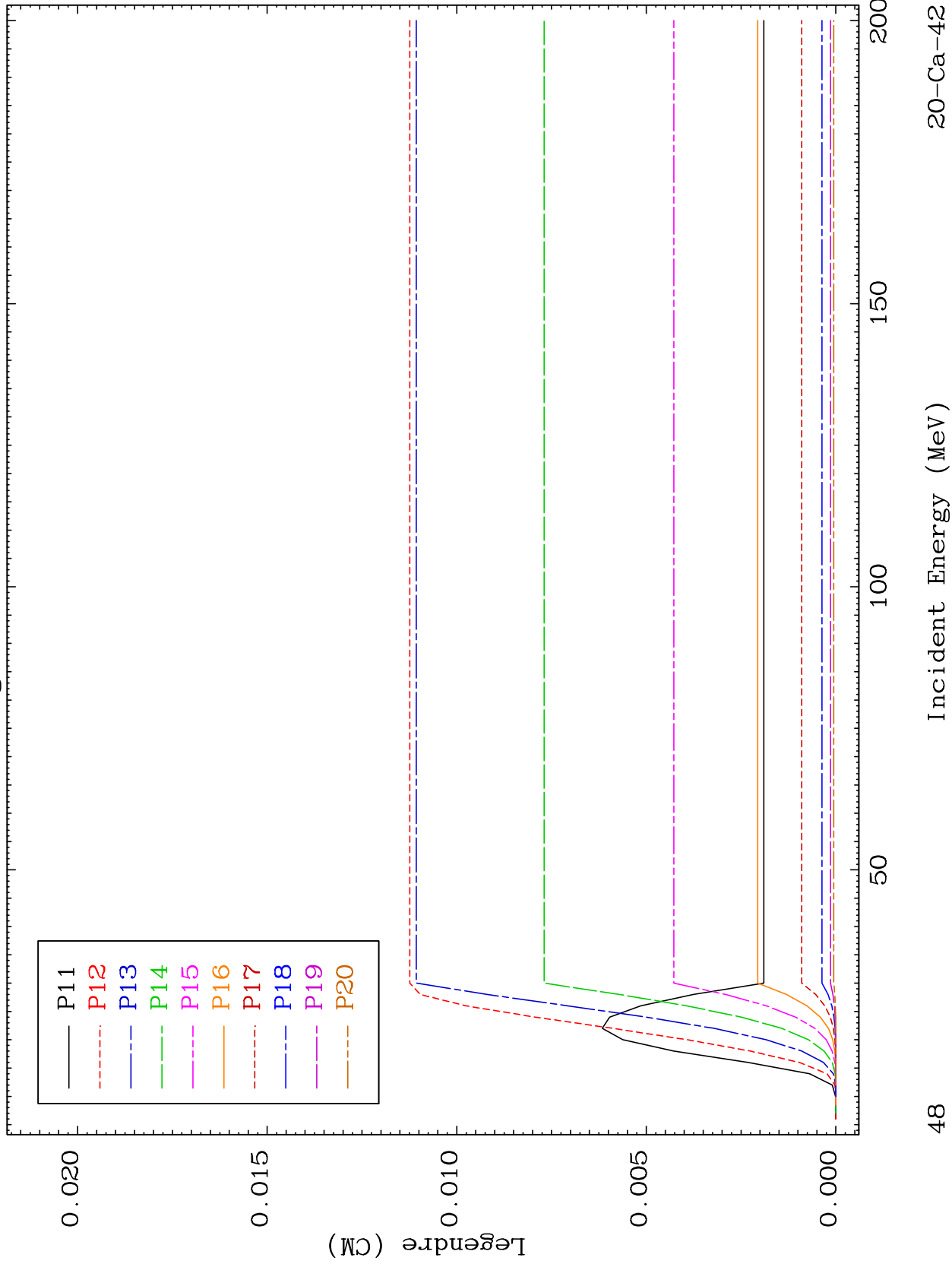




MAT 2031

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

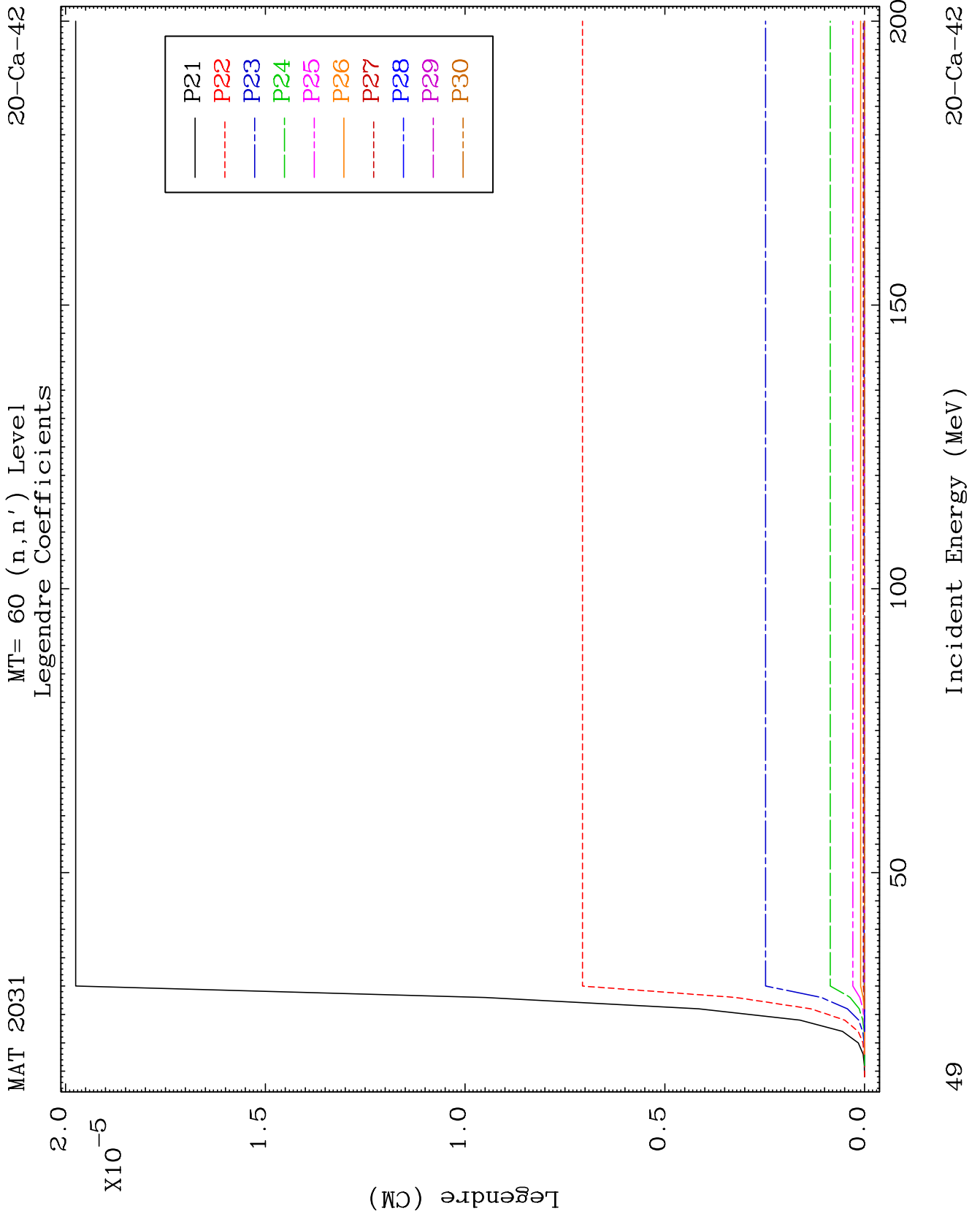
20-Ca-42

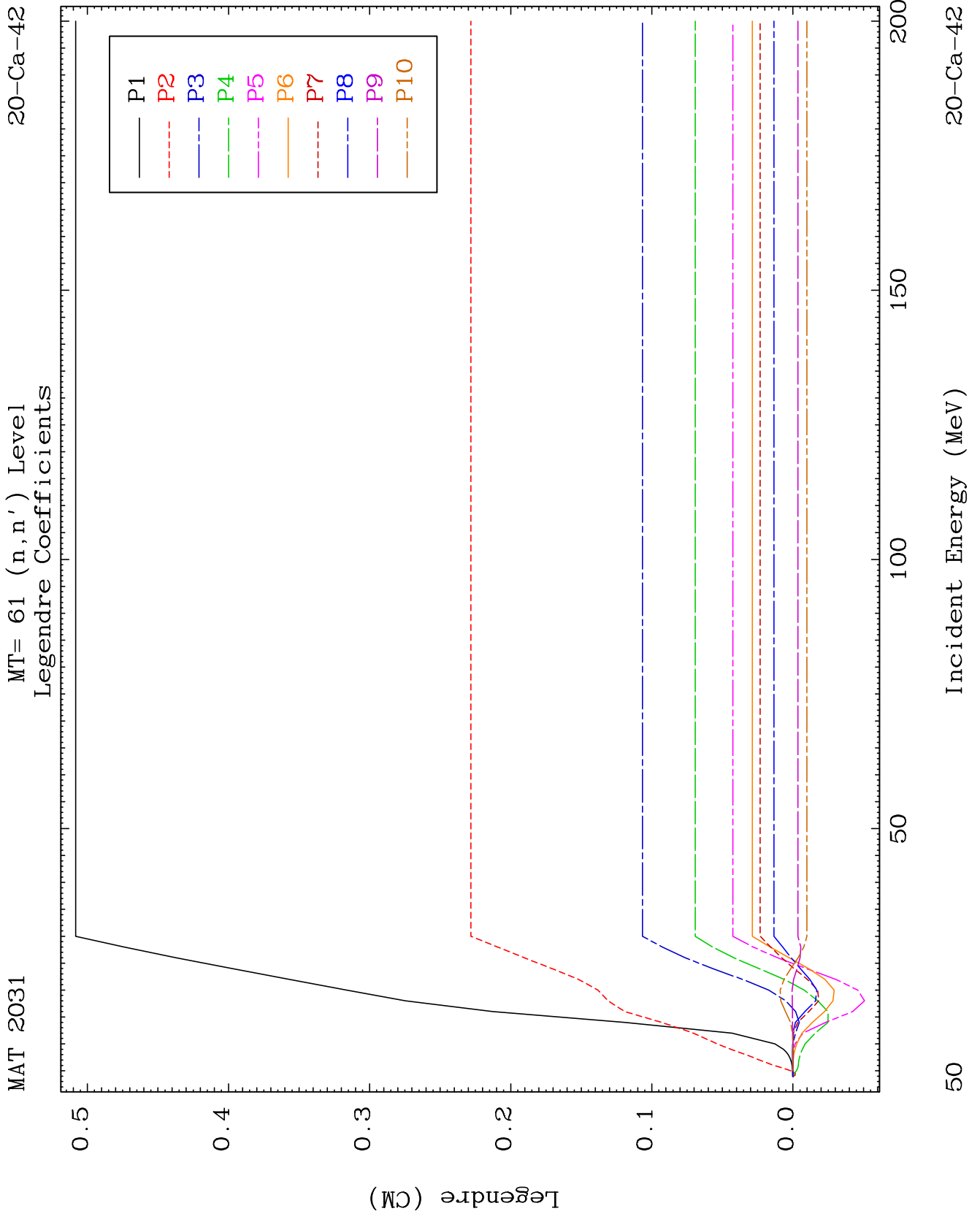


48

Incident Energy (MeV)

20-Ca-42

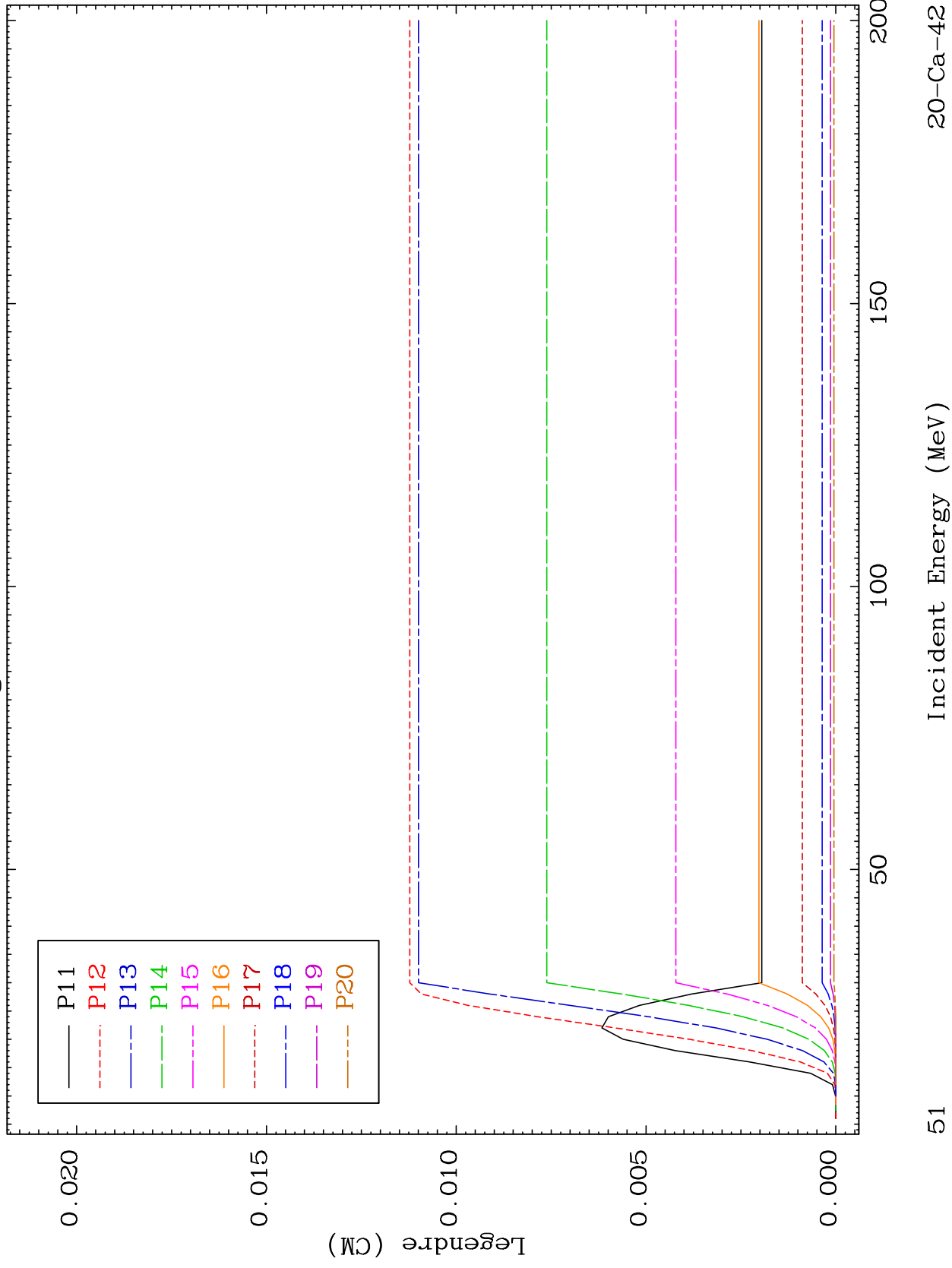




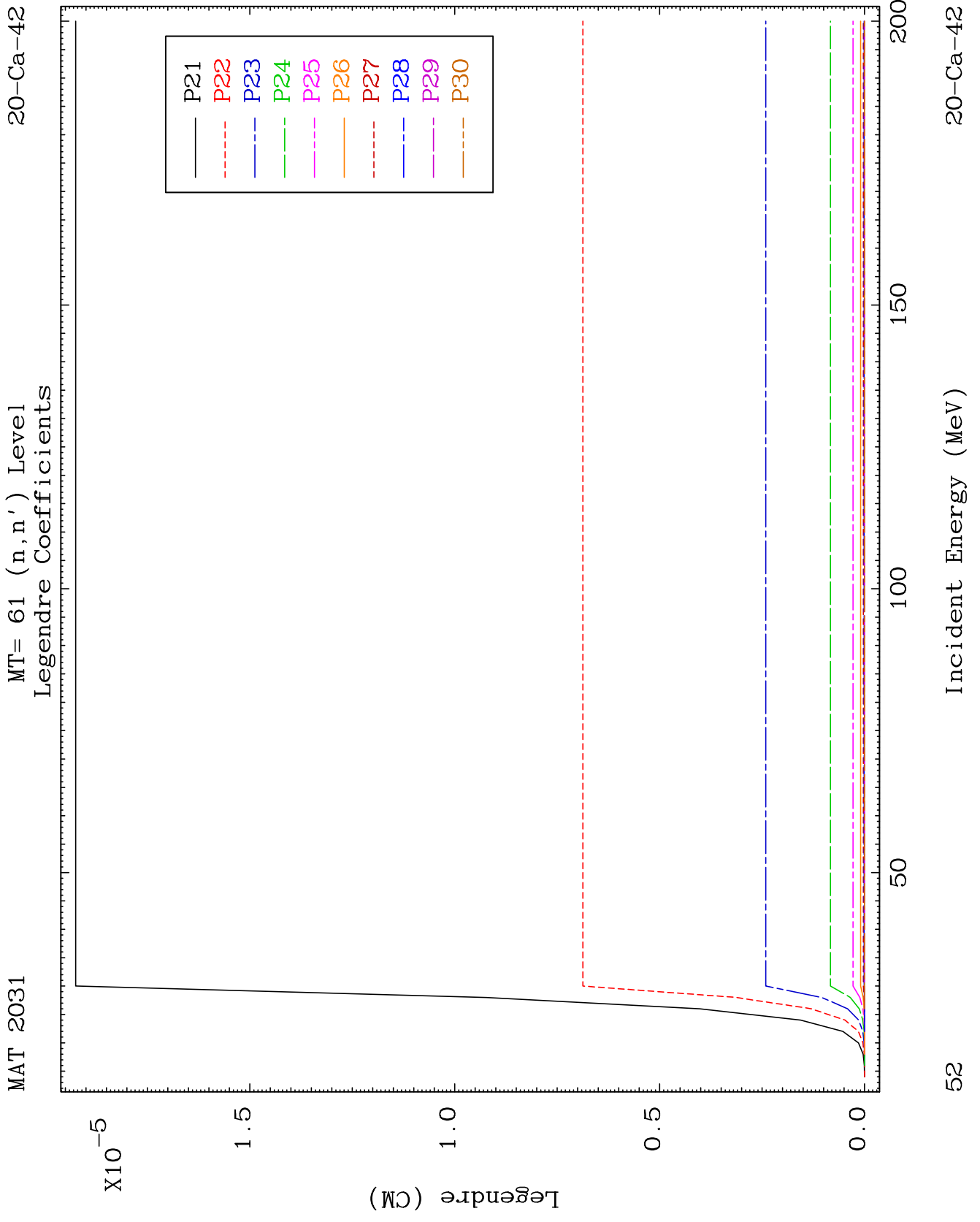
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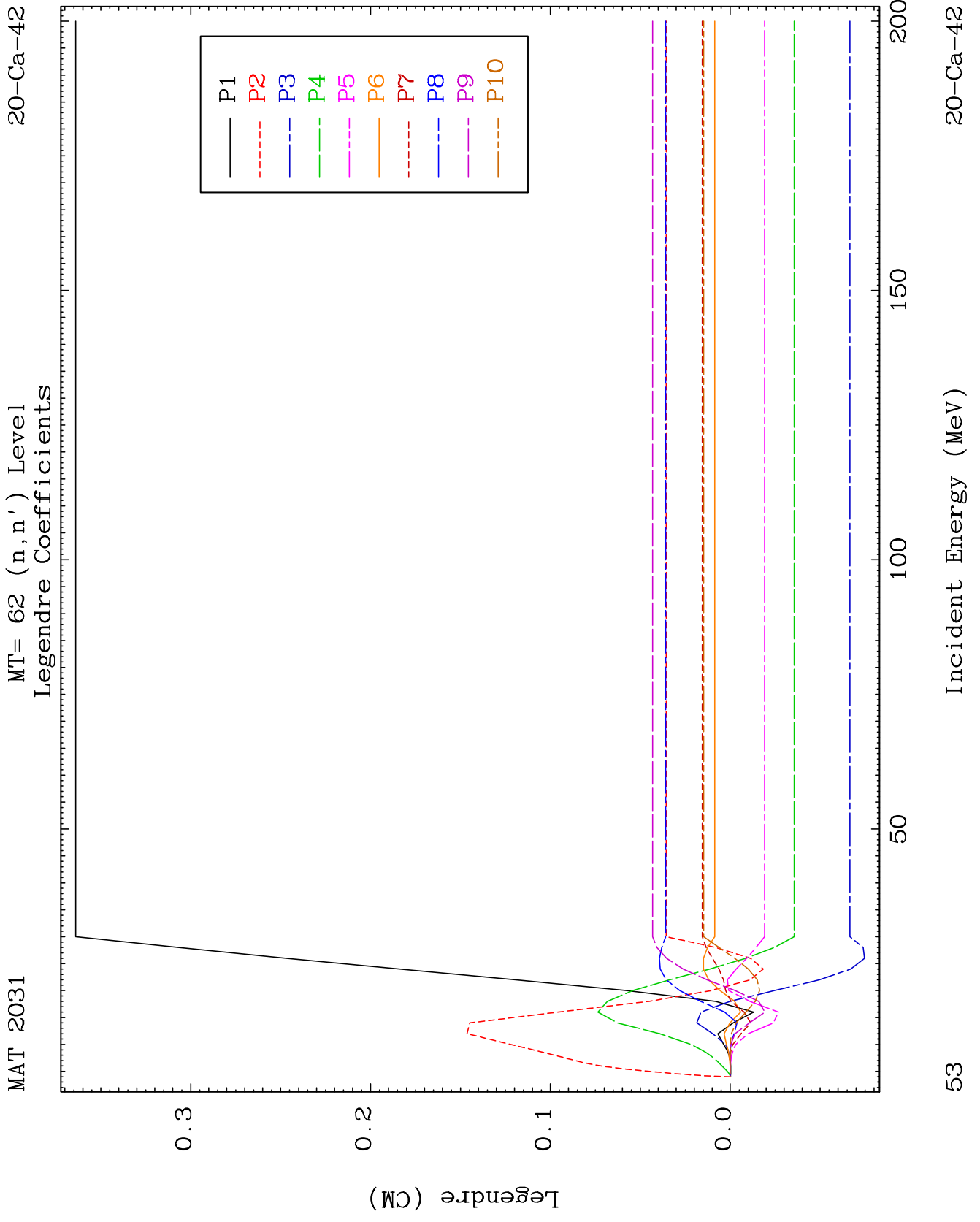
MT= 61 (n,n') Level
Legendre Coefficients

20-Ca-42



51

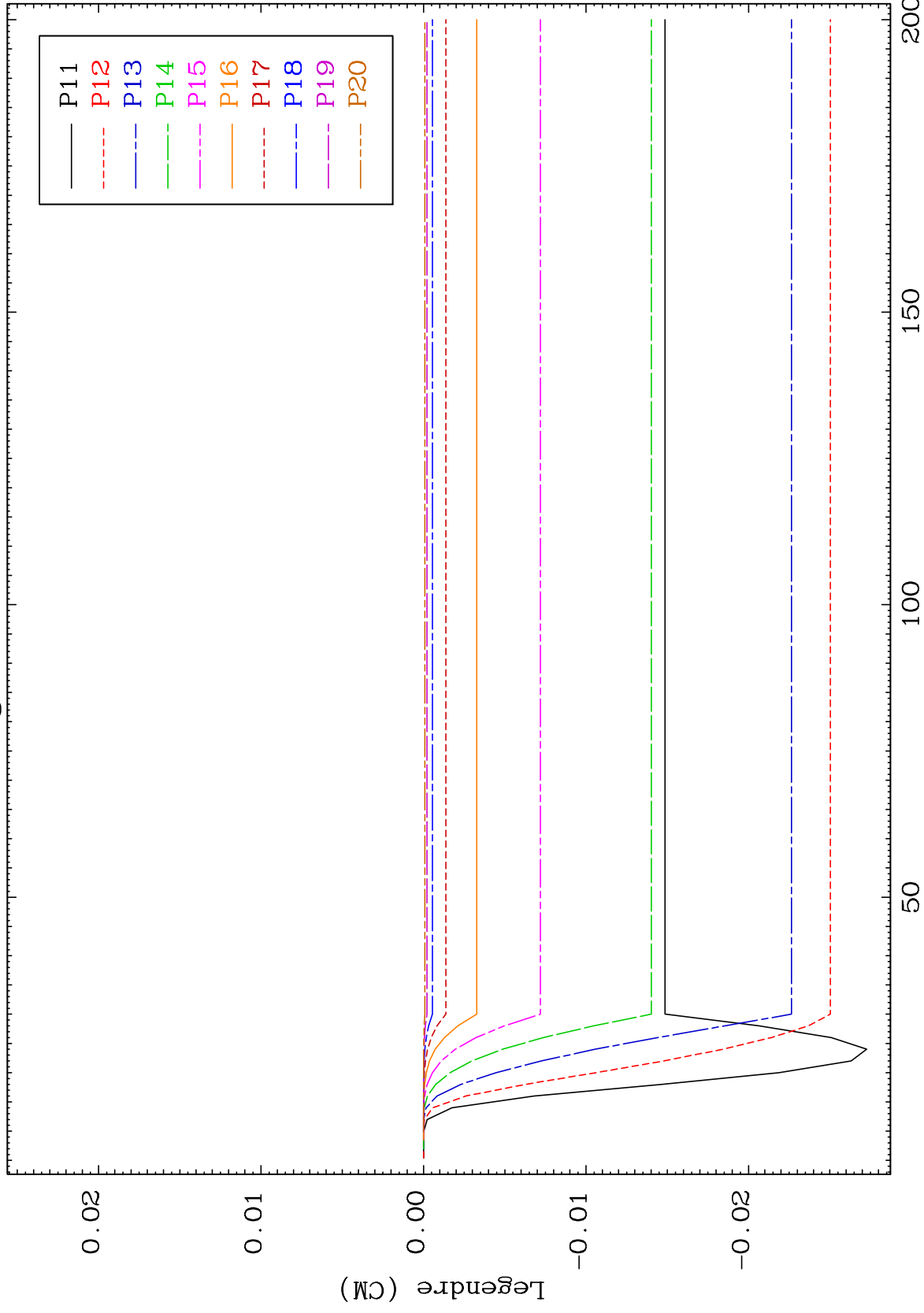




MAT 2031

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

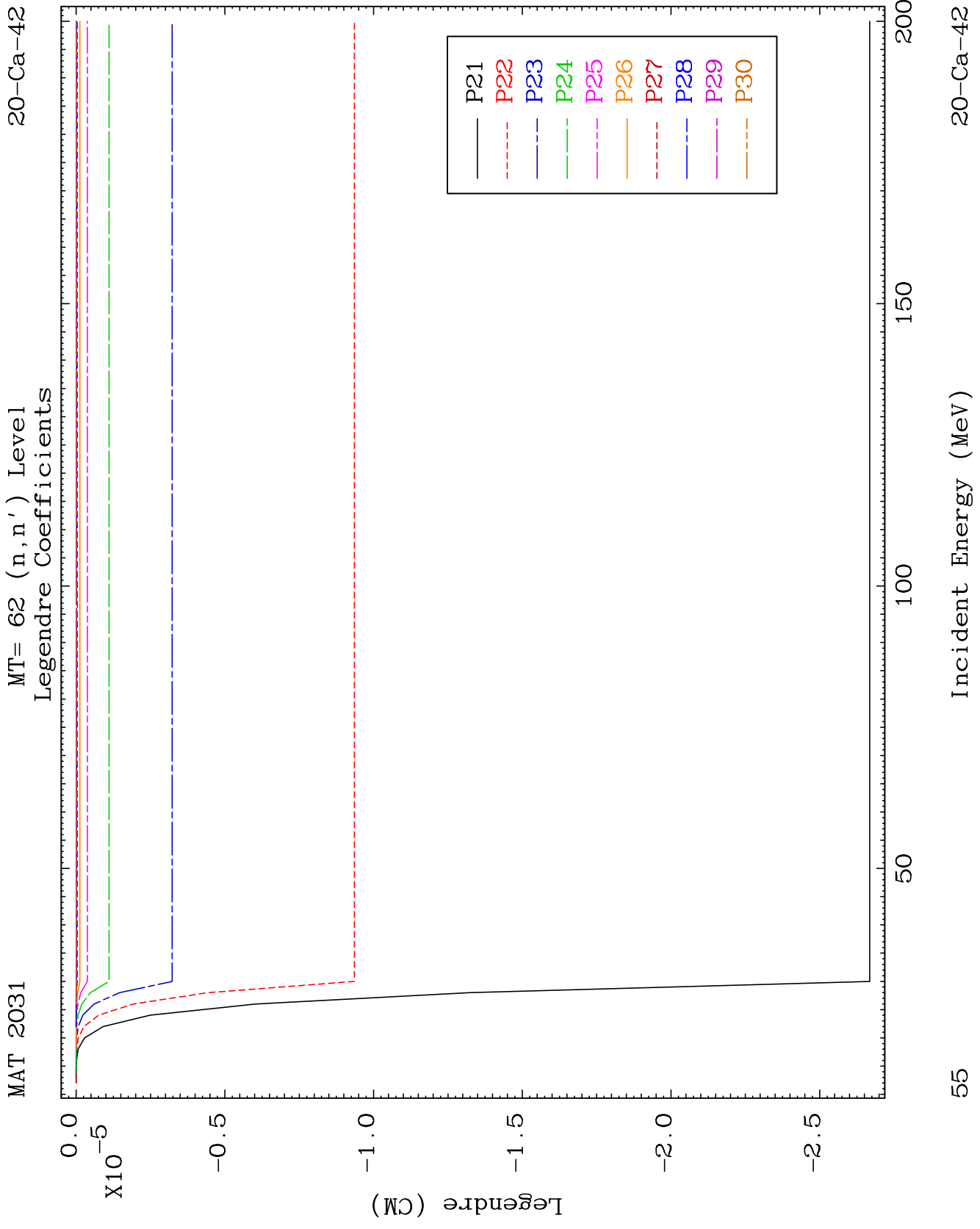
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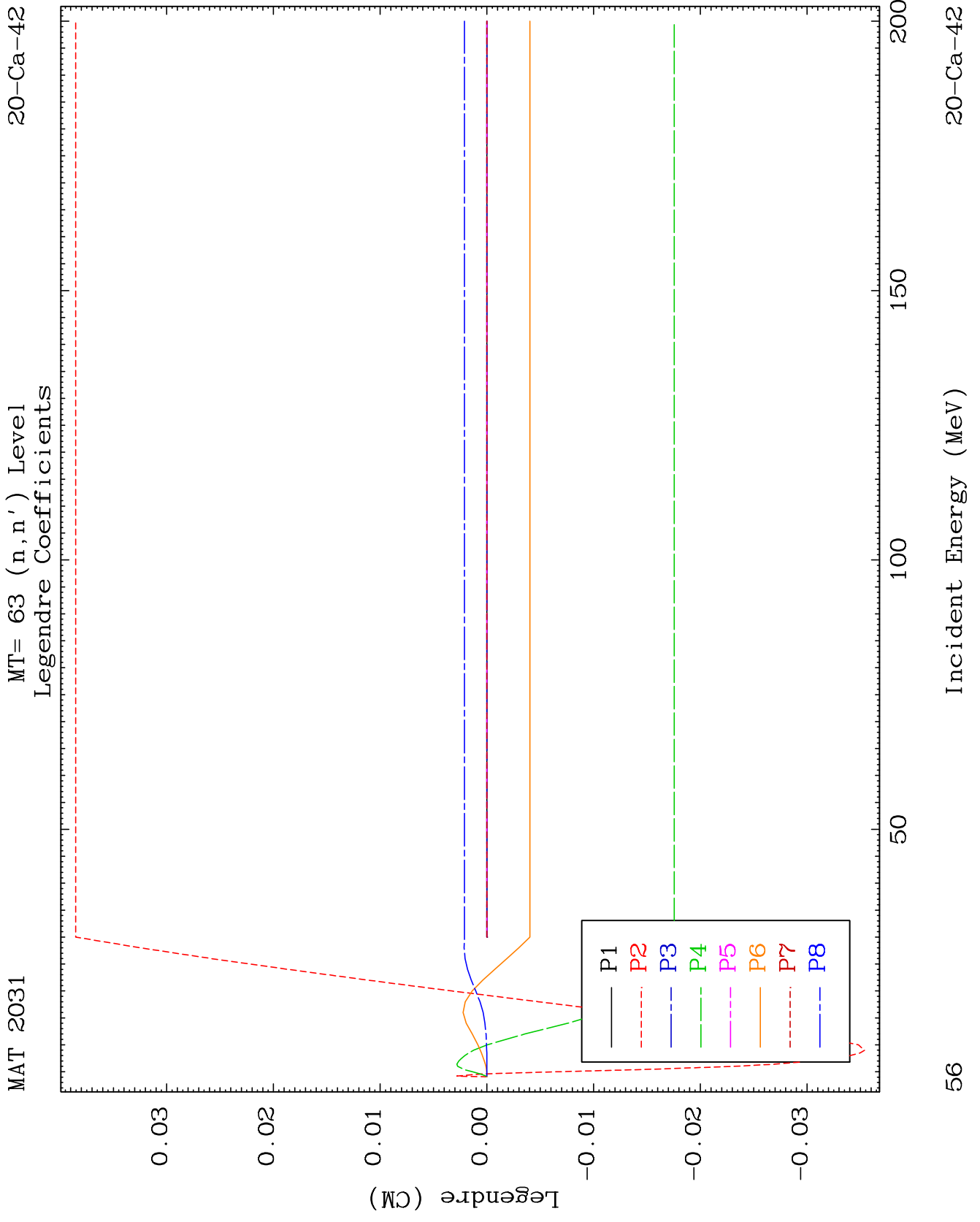


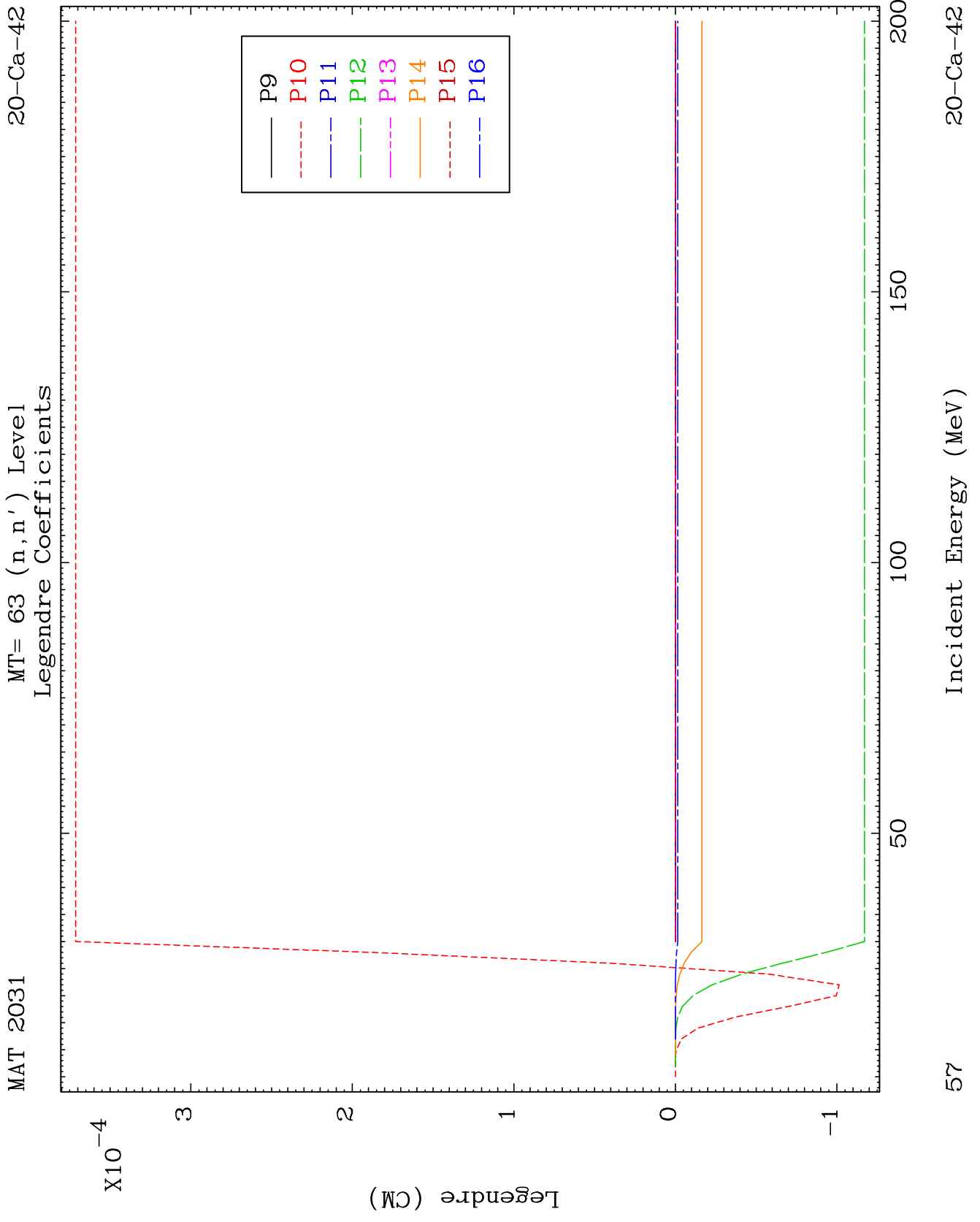
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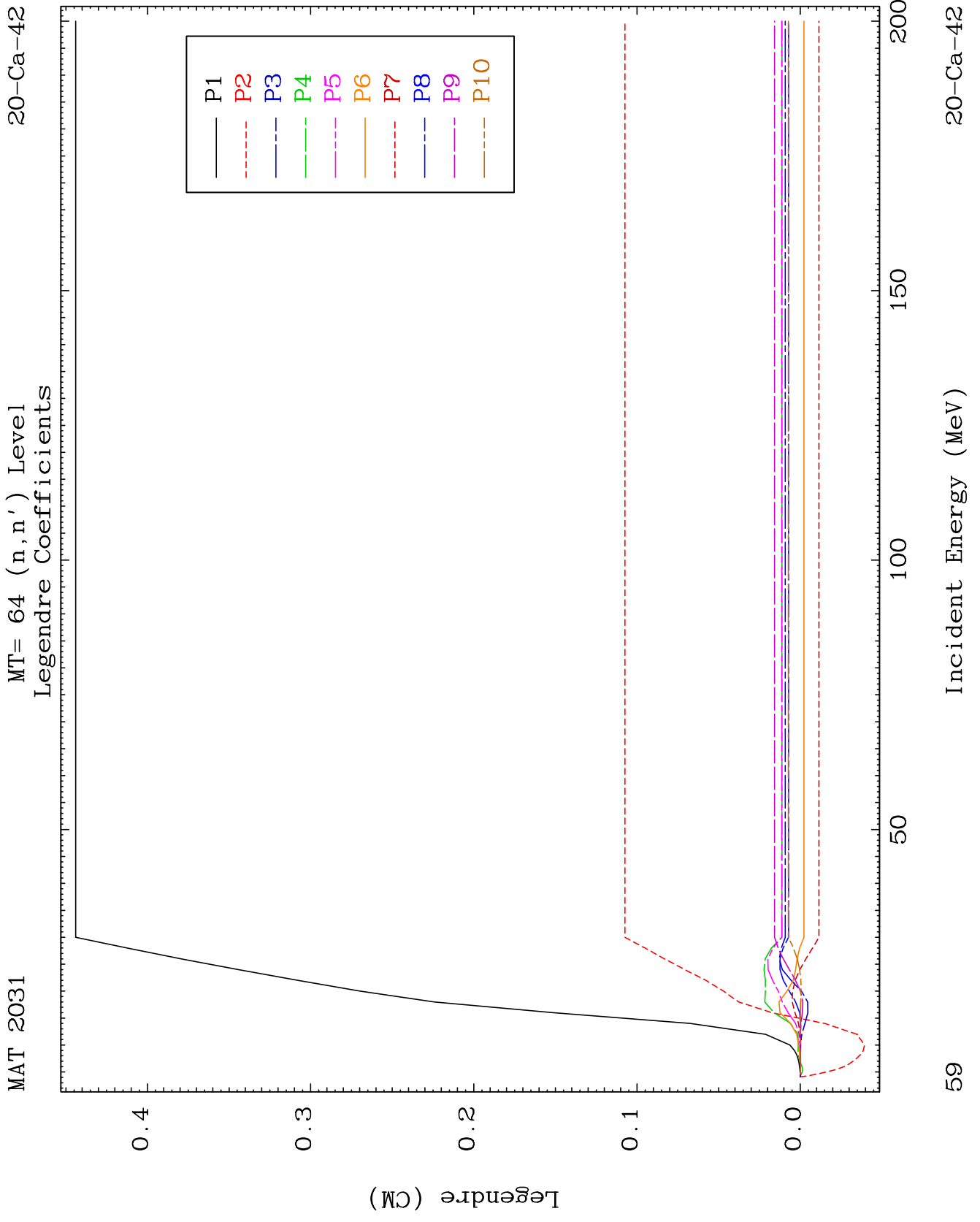
Incident Energy (MeV)

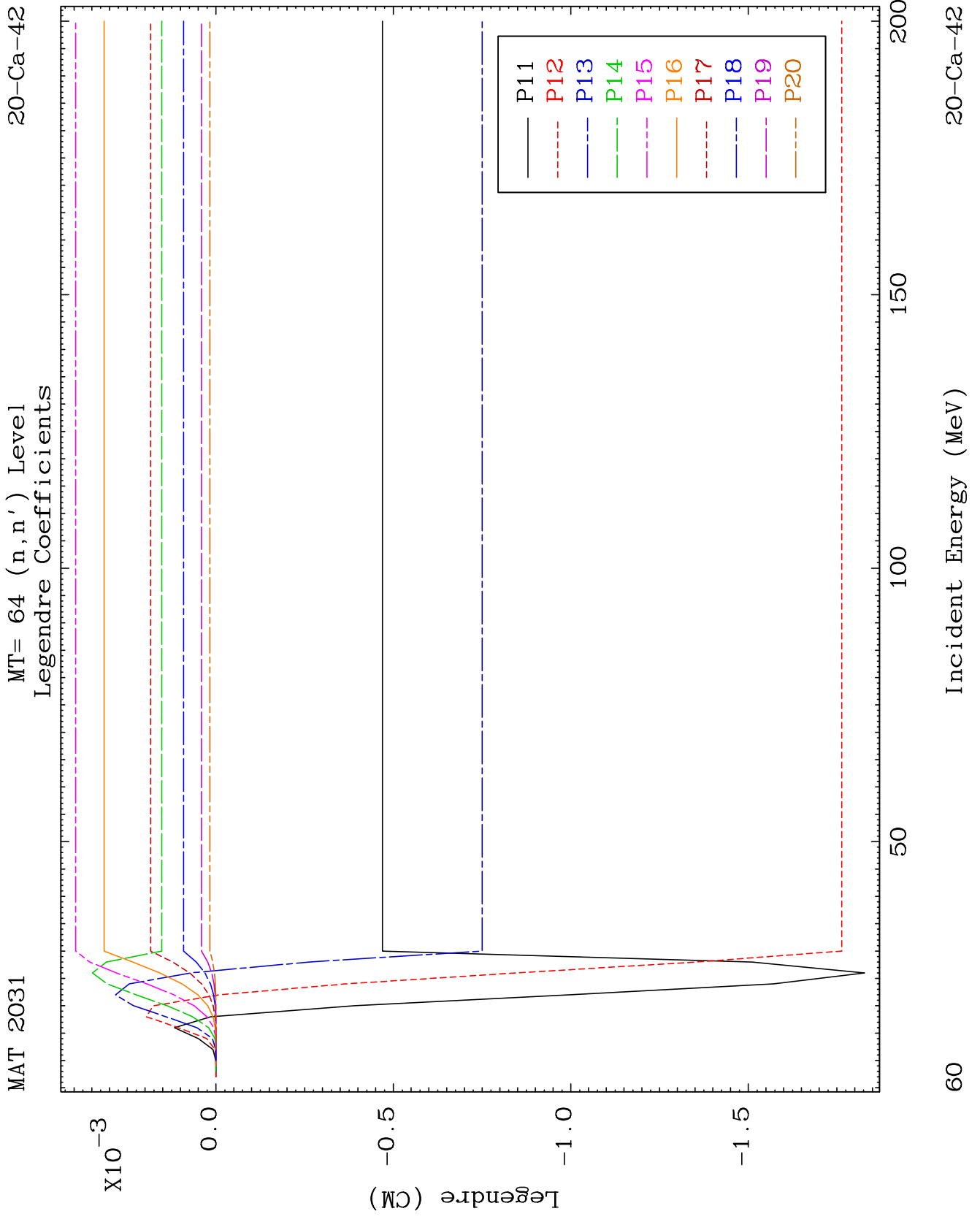
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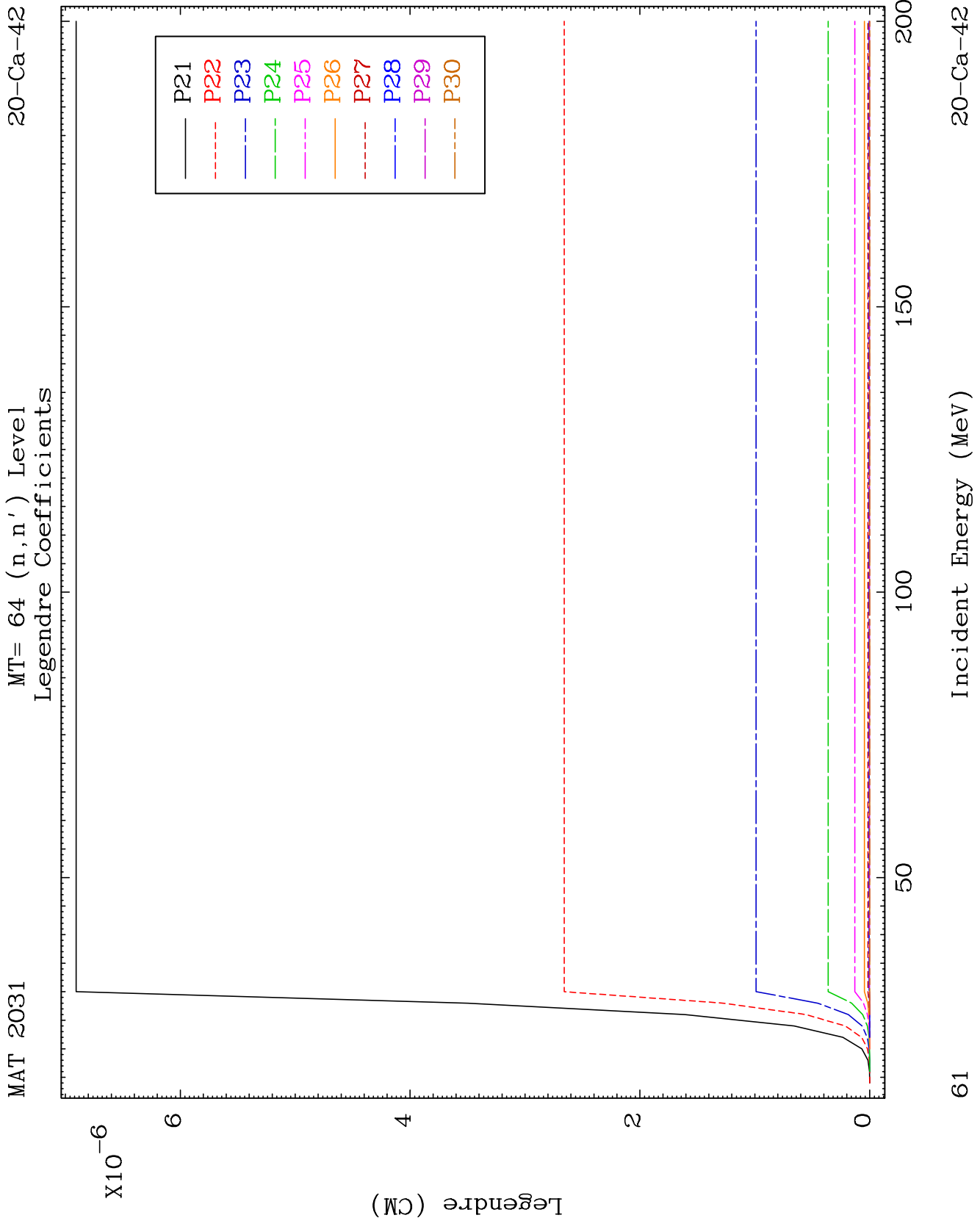


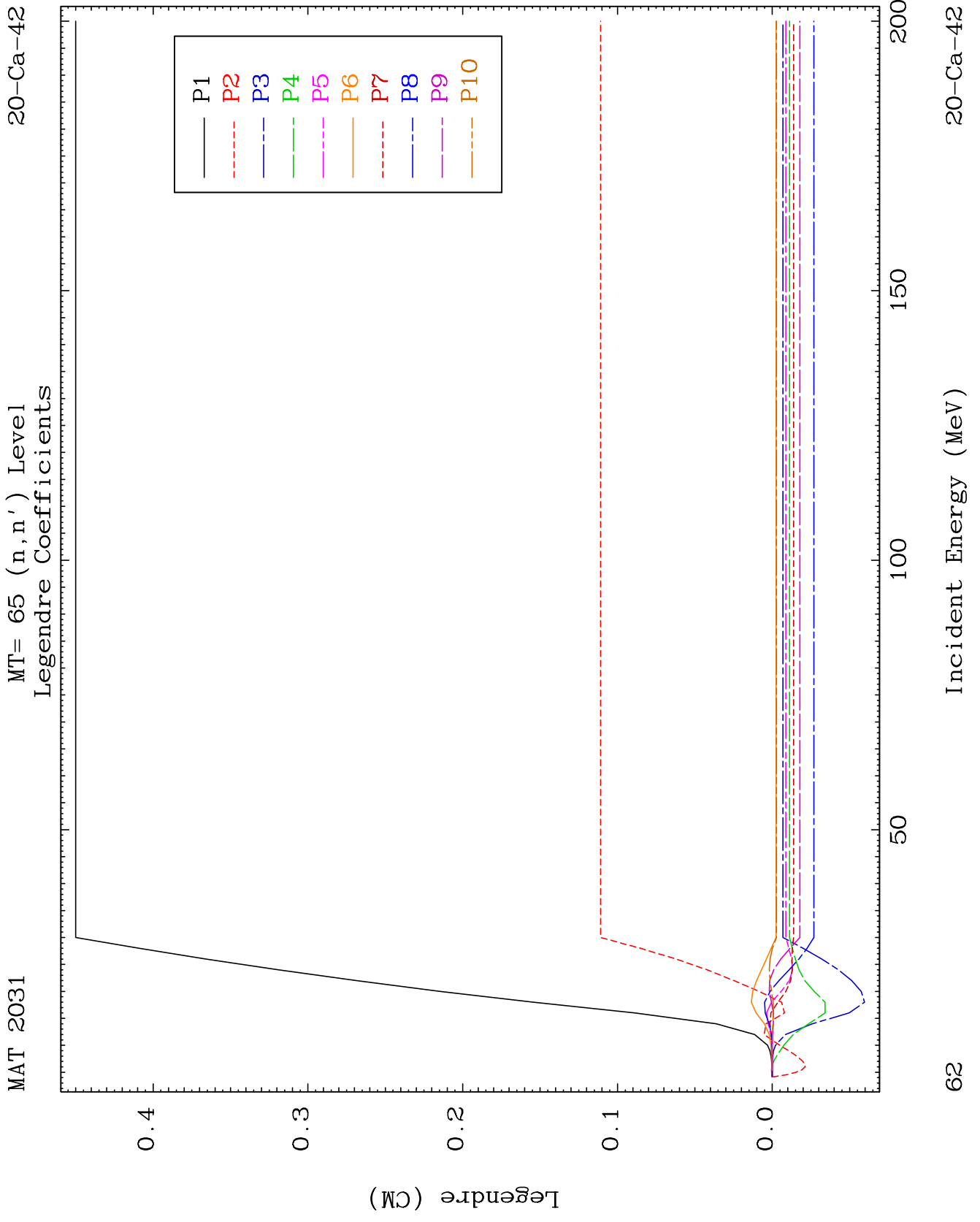








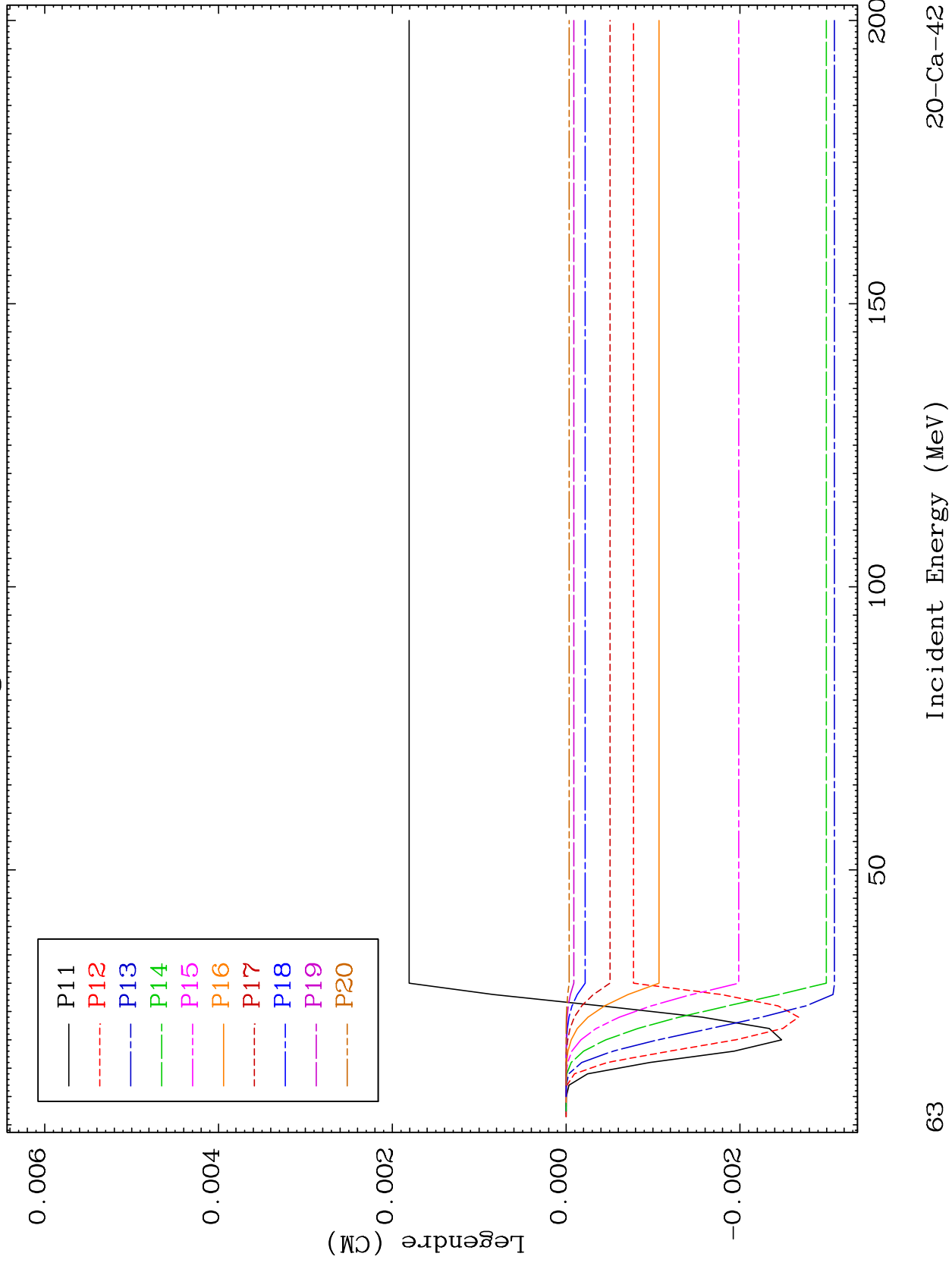


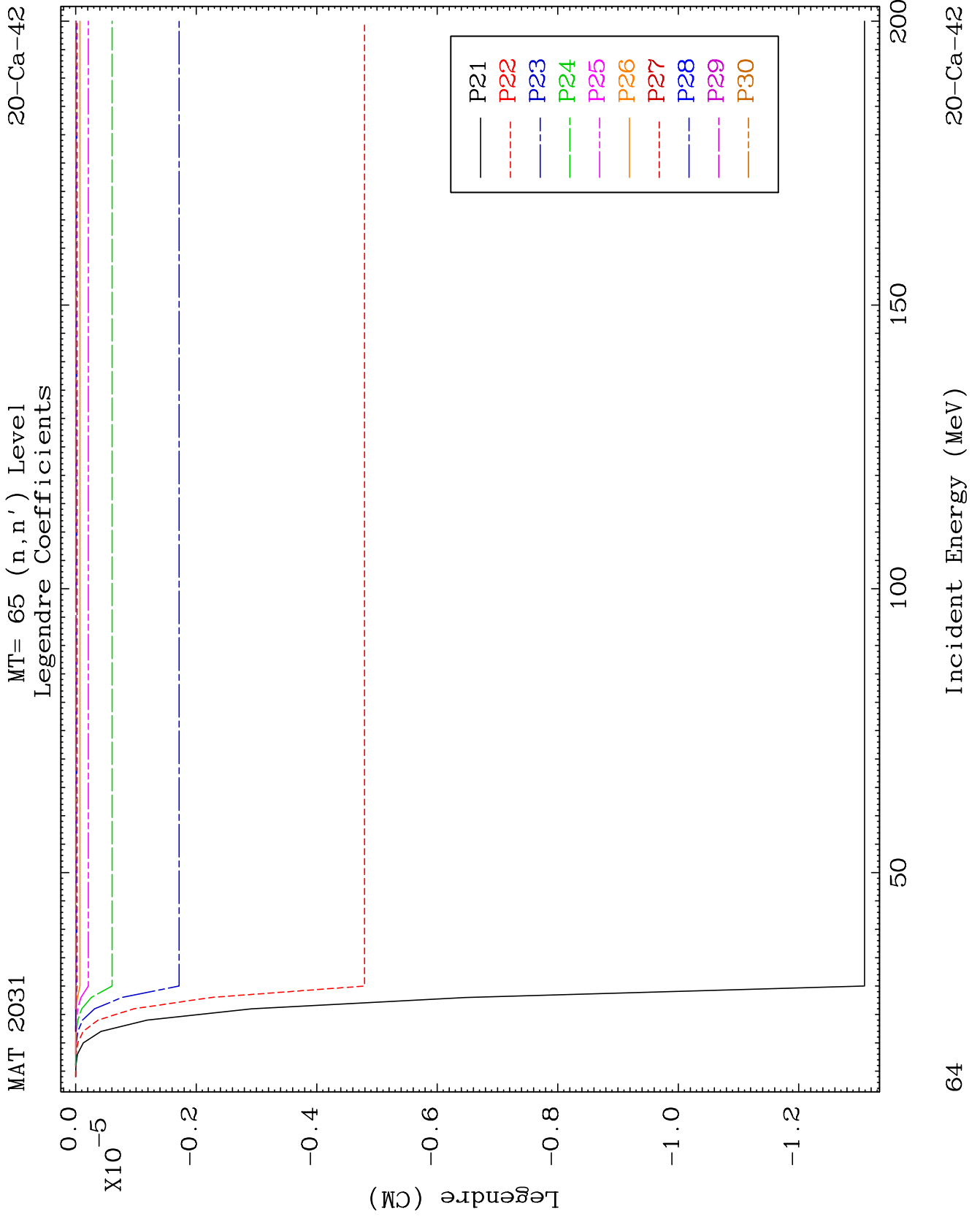


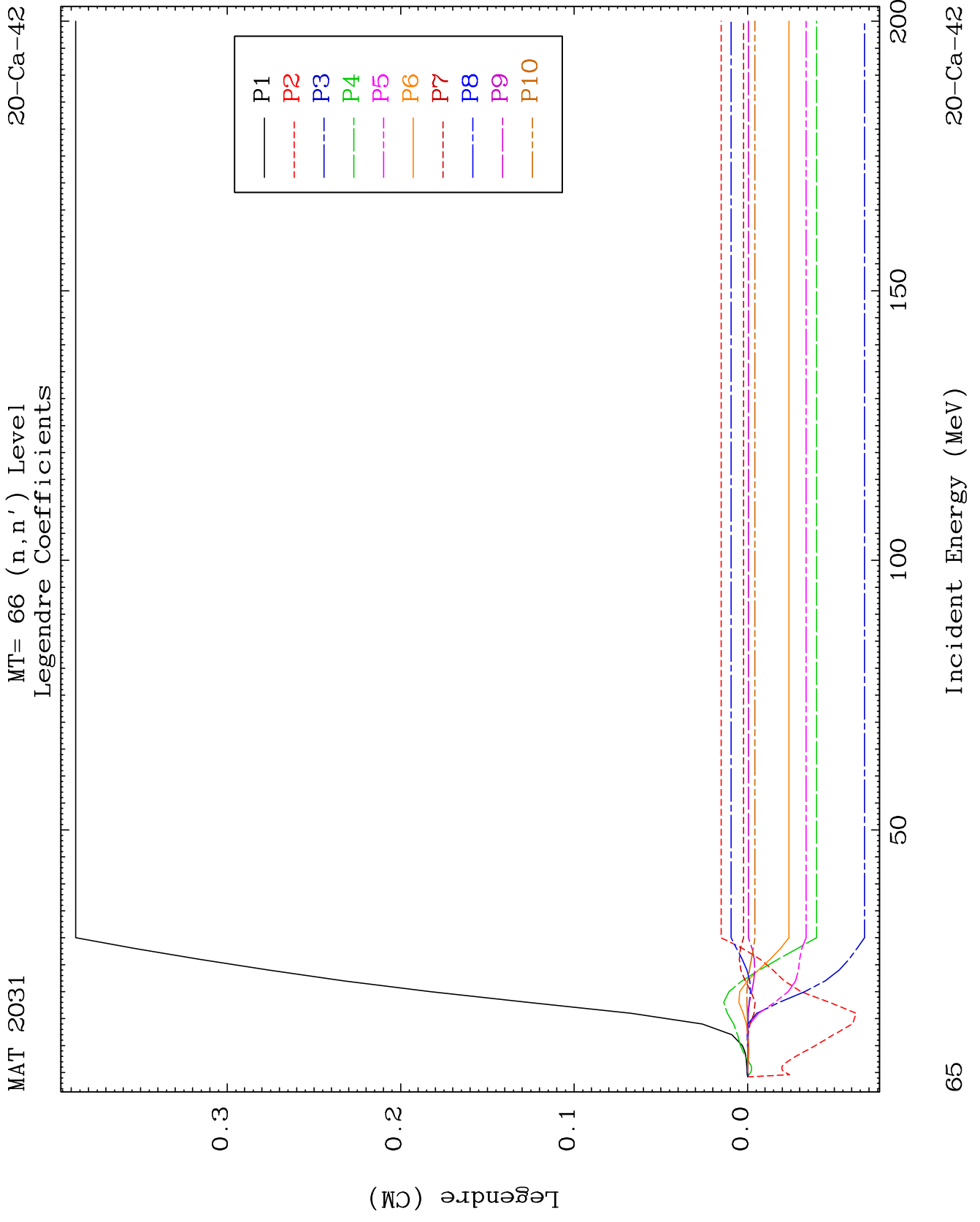
MAT 2031

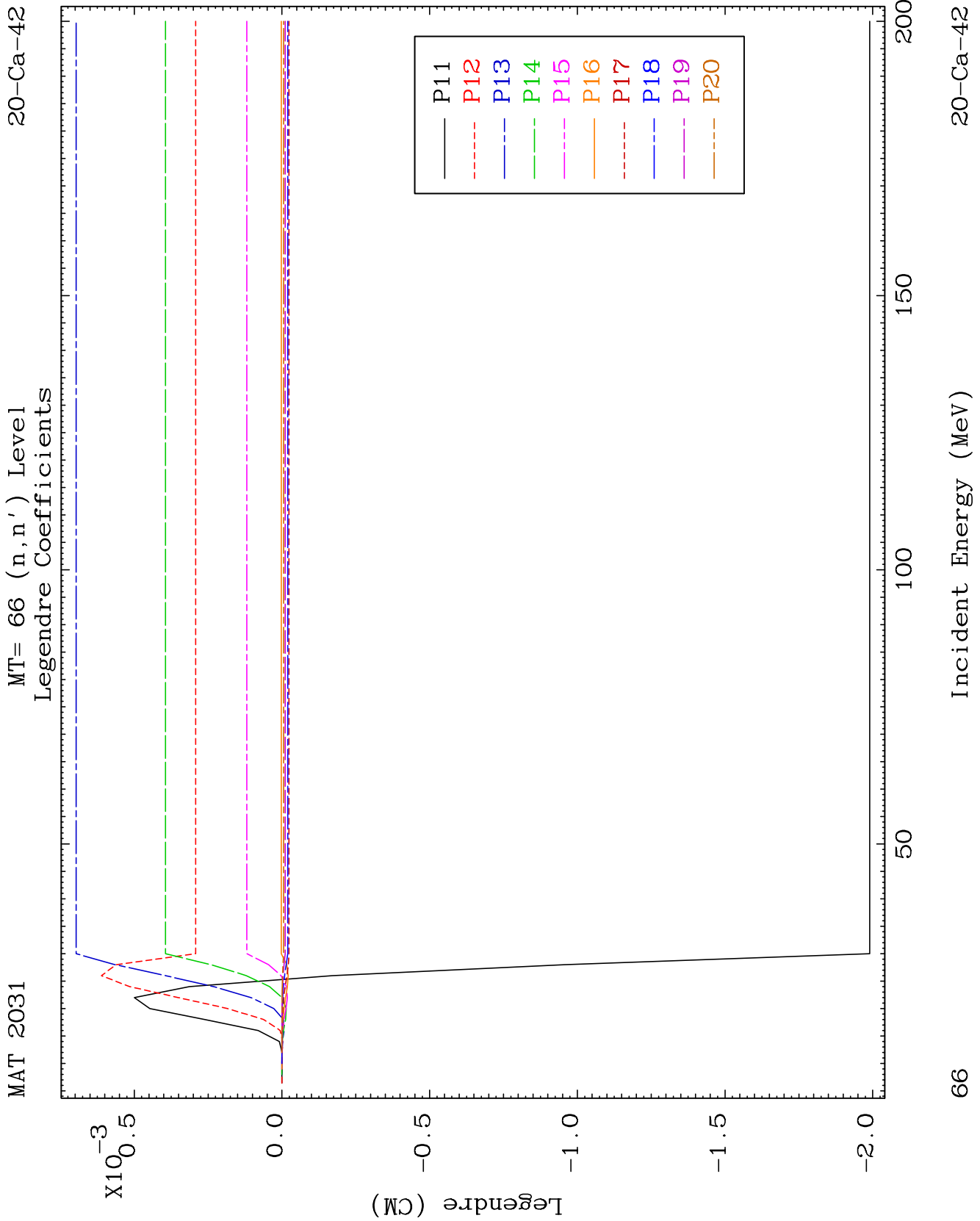
MT= 65 (n,n') Level
Legendre Coefficients

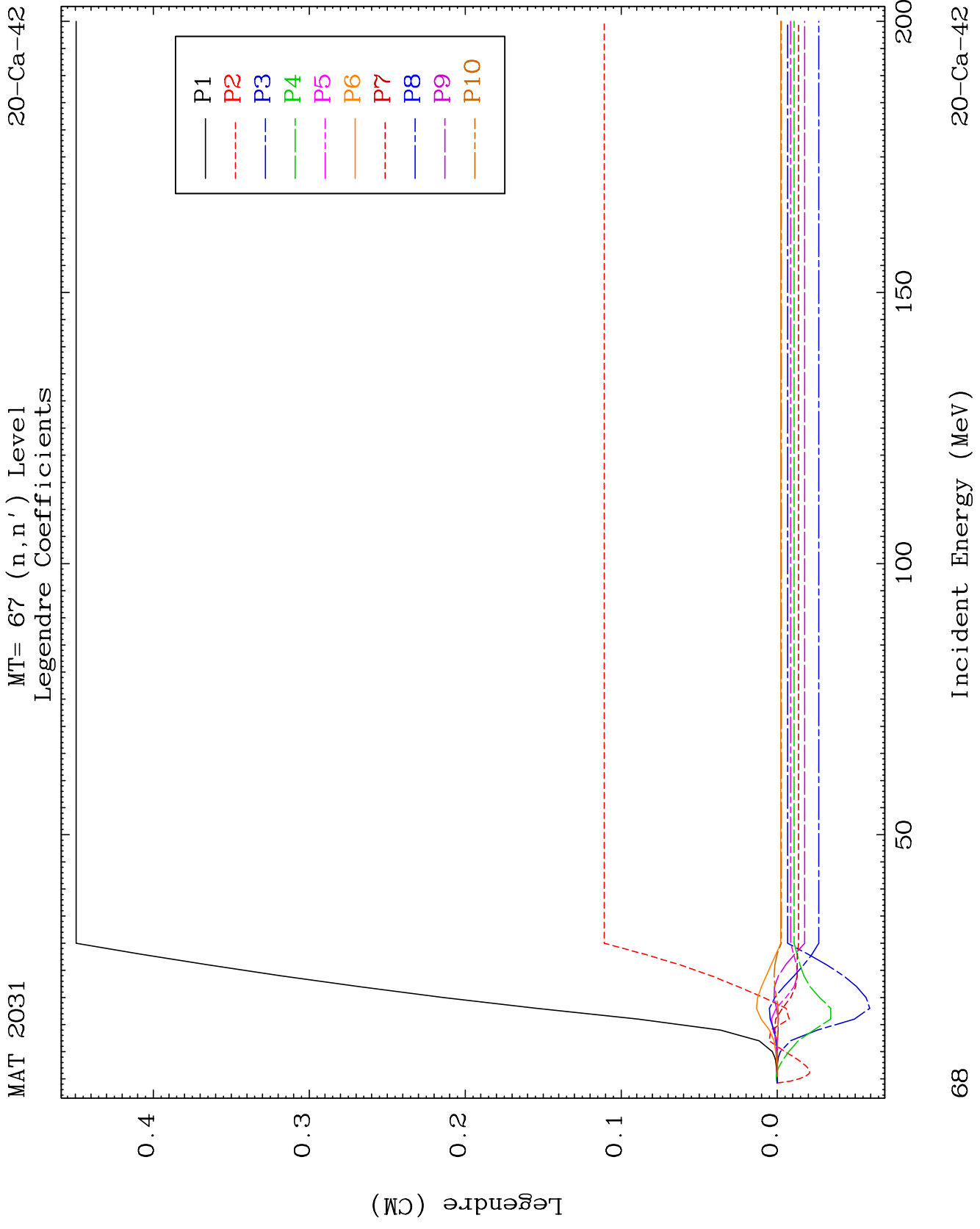
20-Ca-42







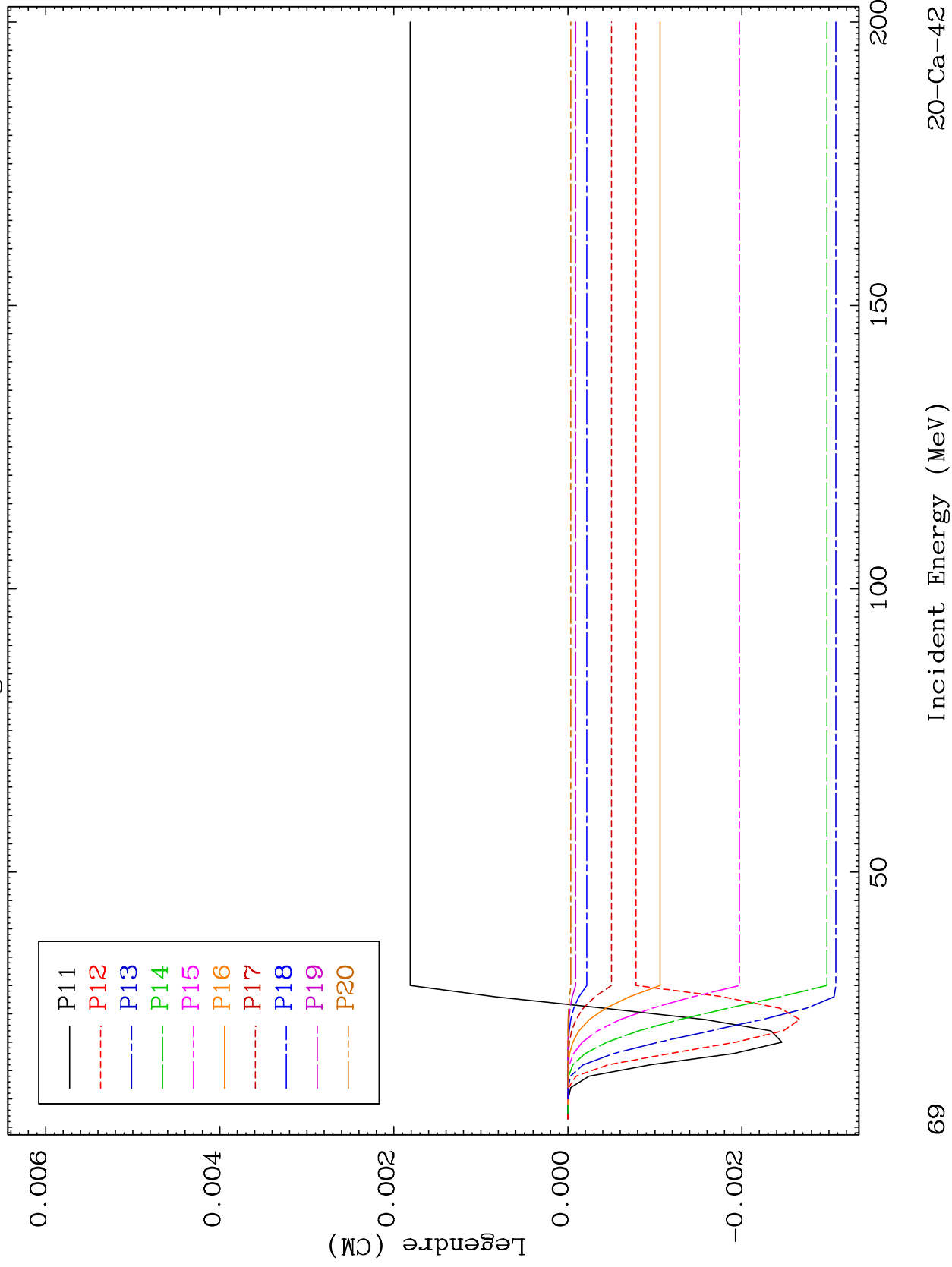


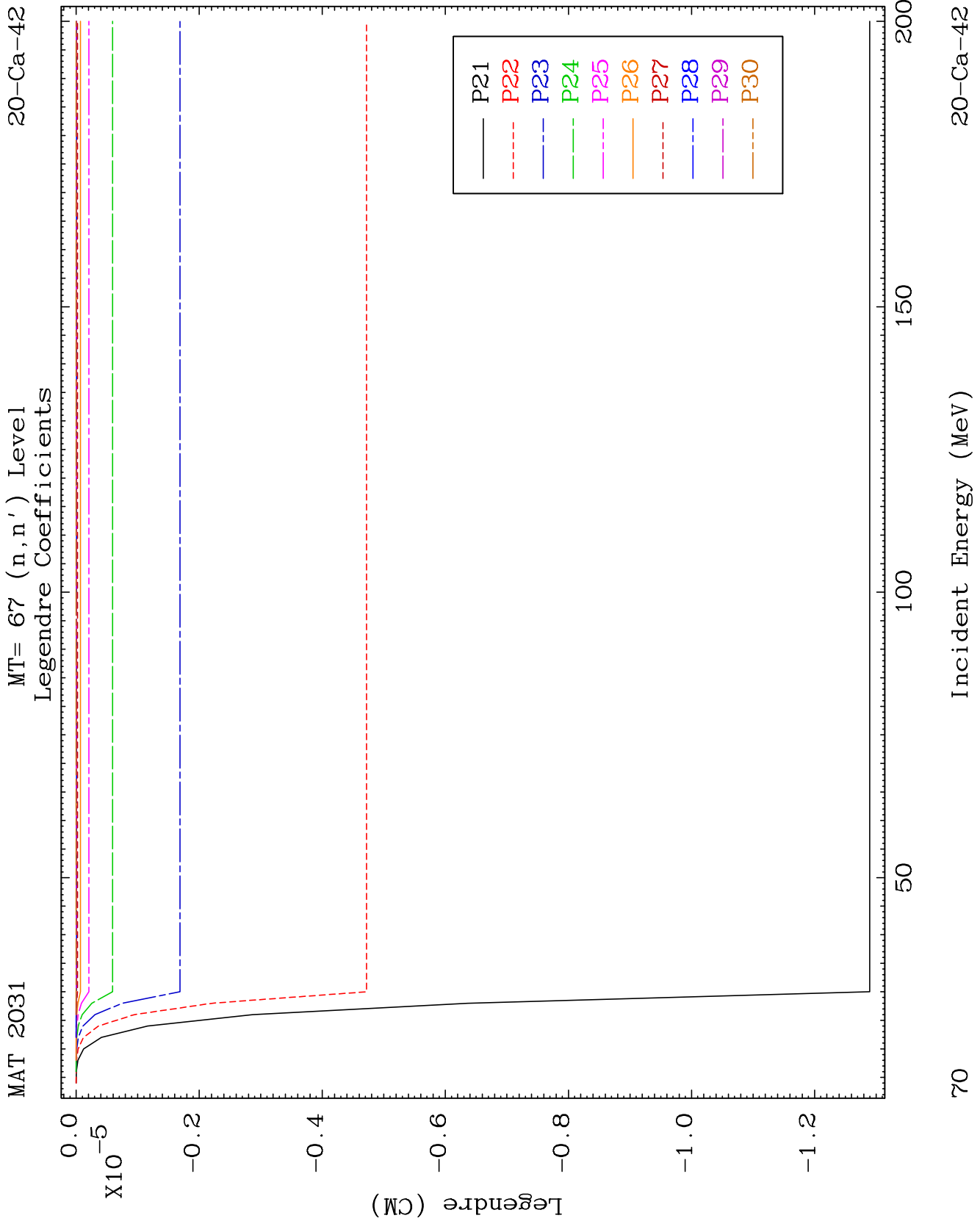


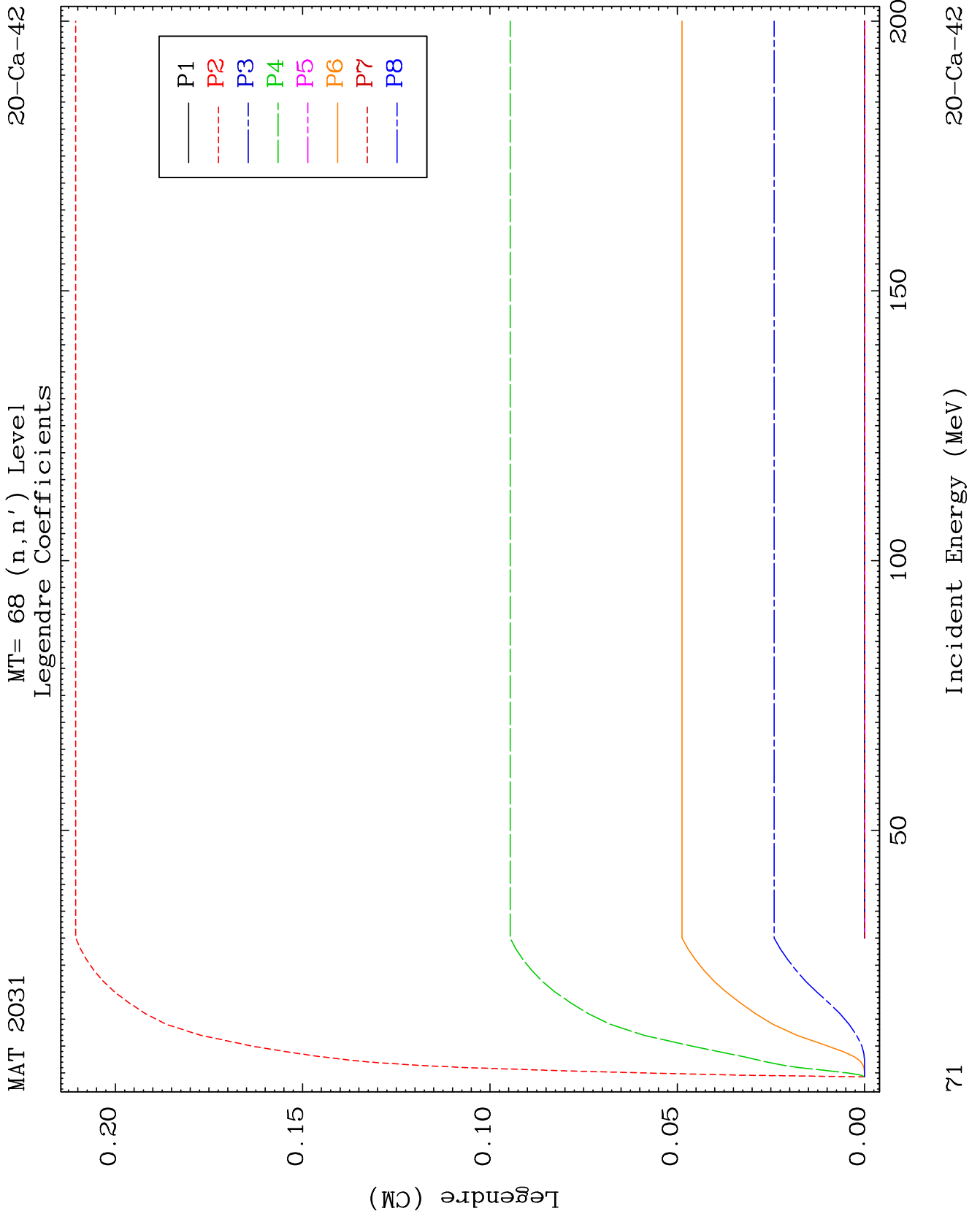
MAT 2031

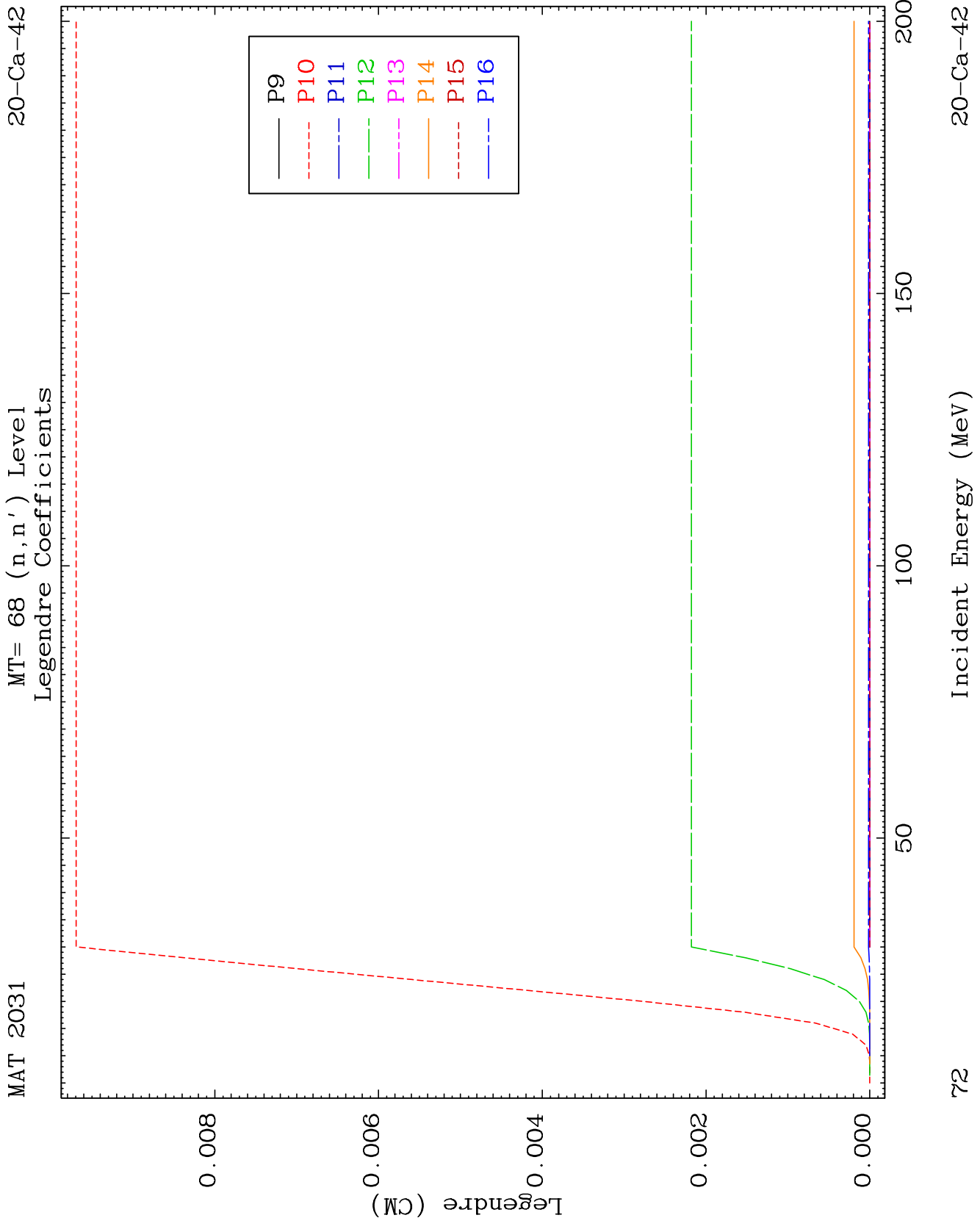
MT= 67 (n,n') Level
Legendre Coefficients

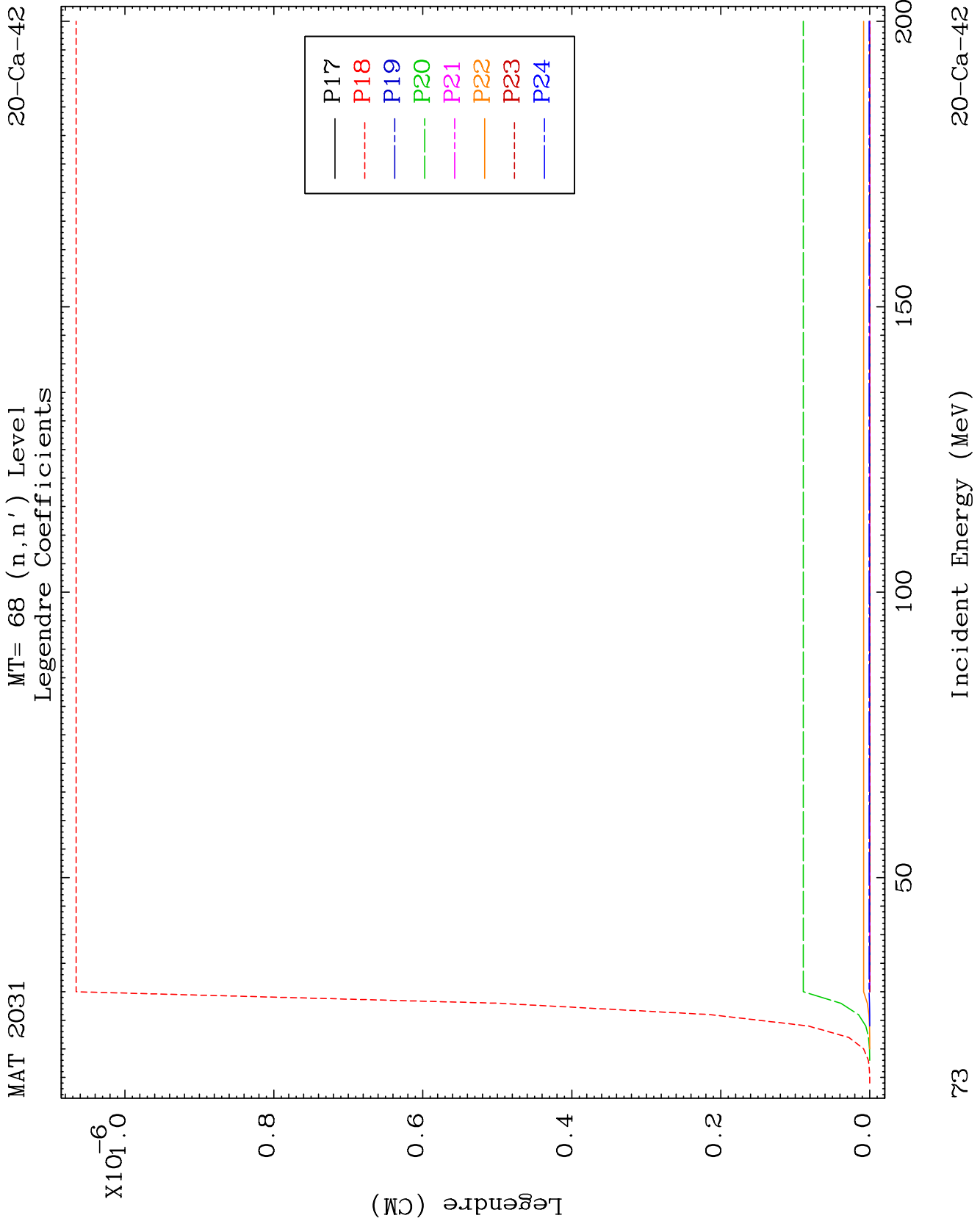
20-Ca-42

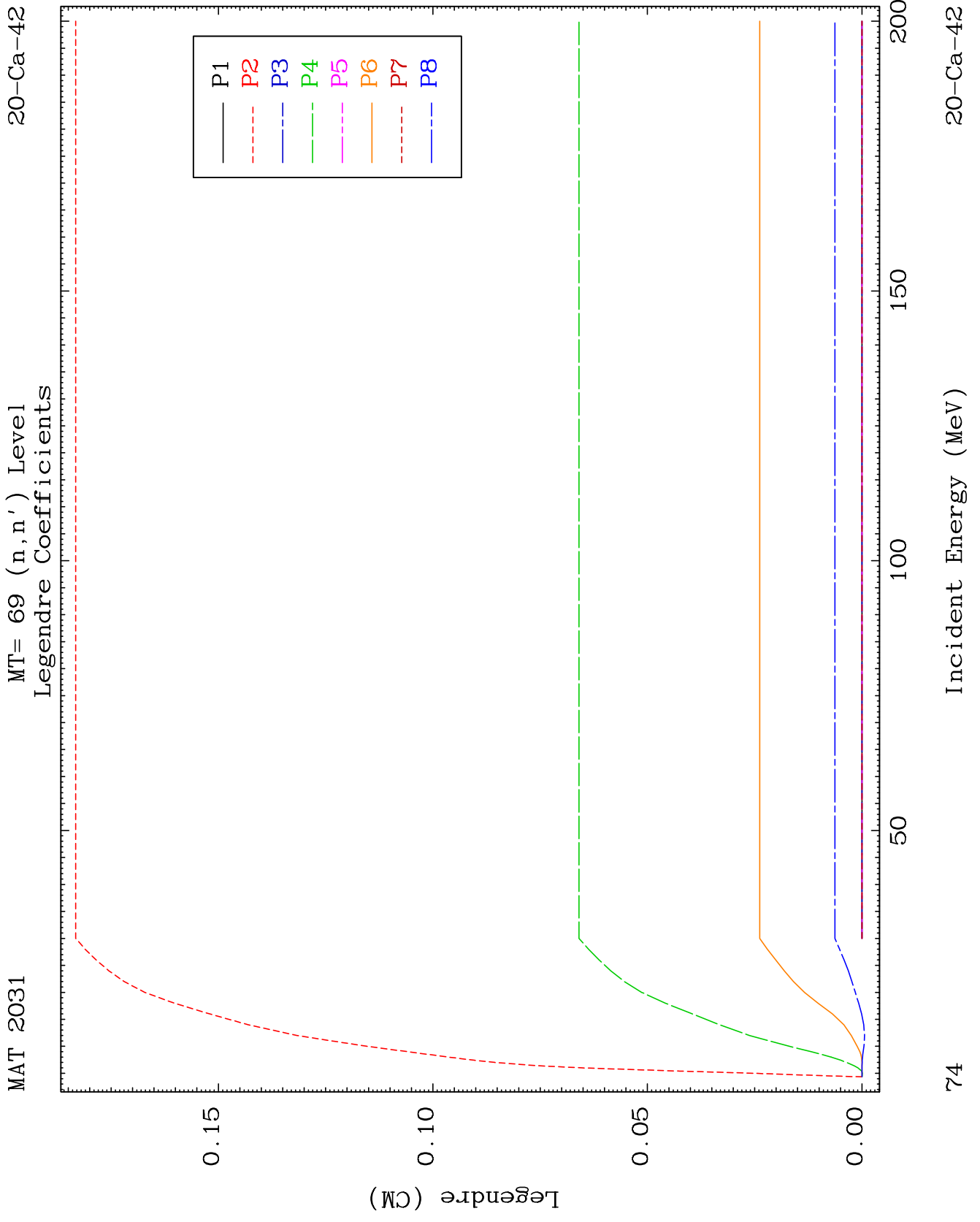








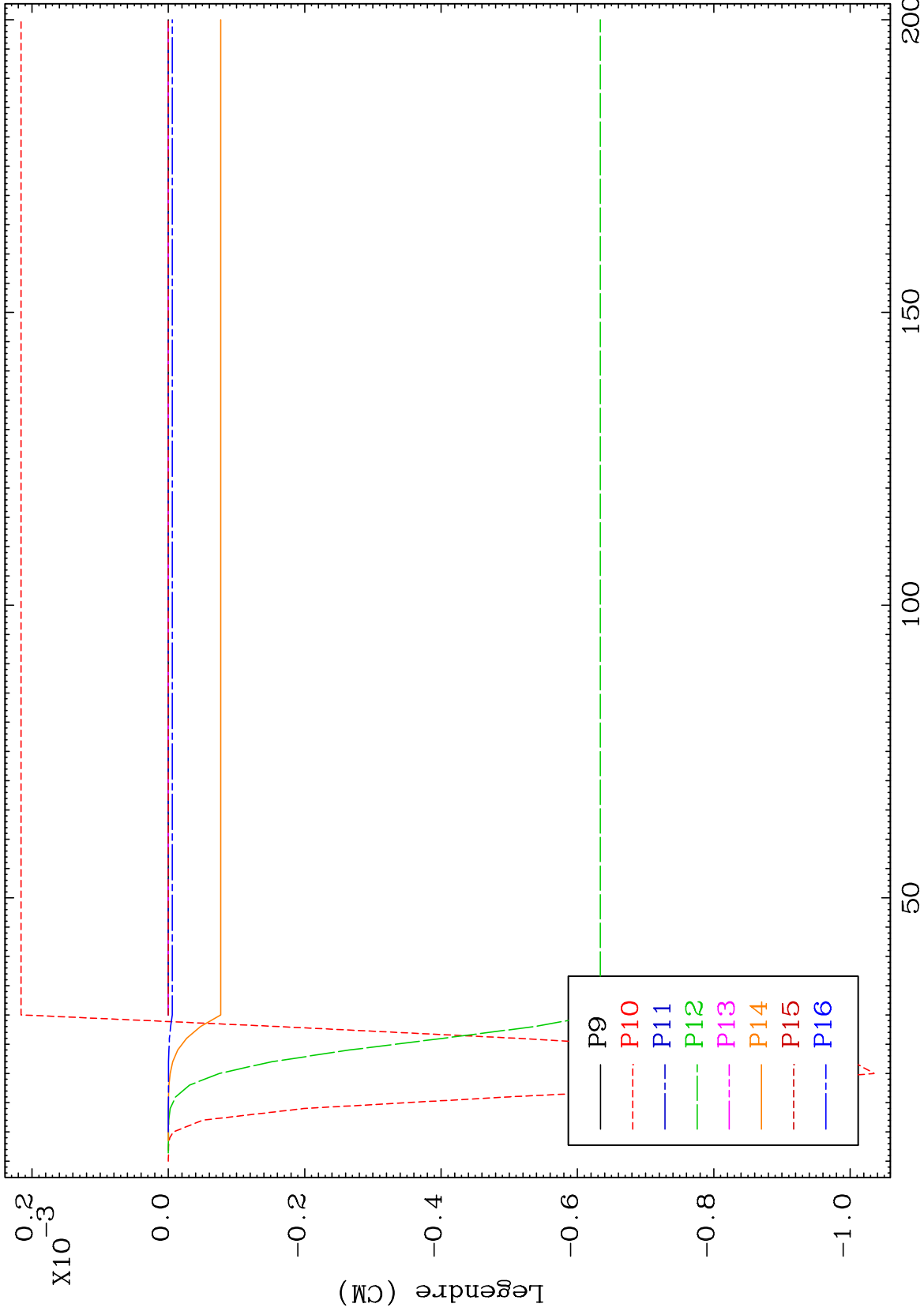




MAT 2031

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

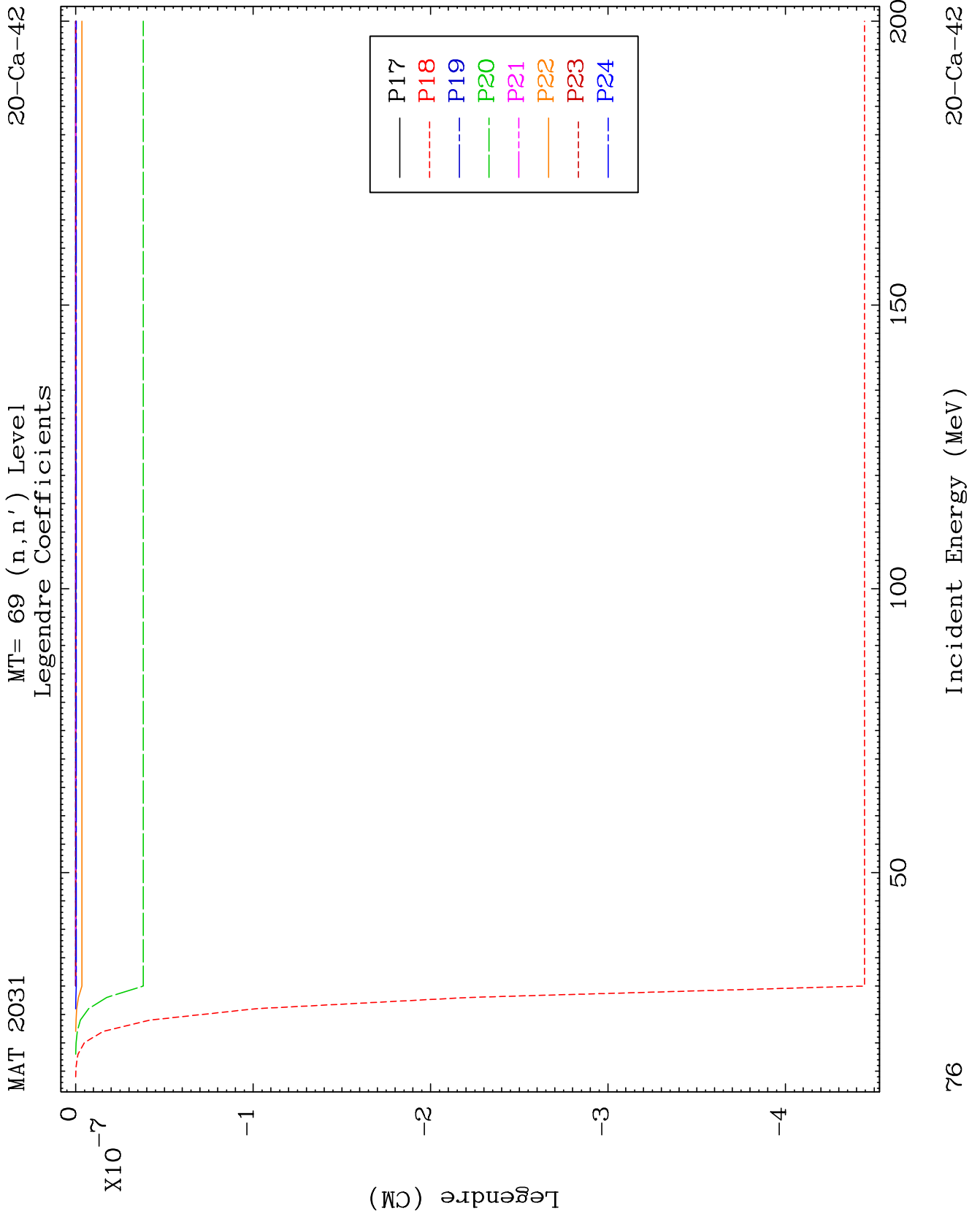
20-Ca-42

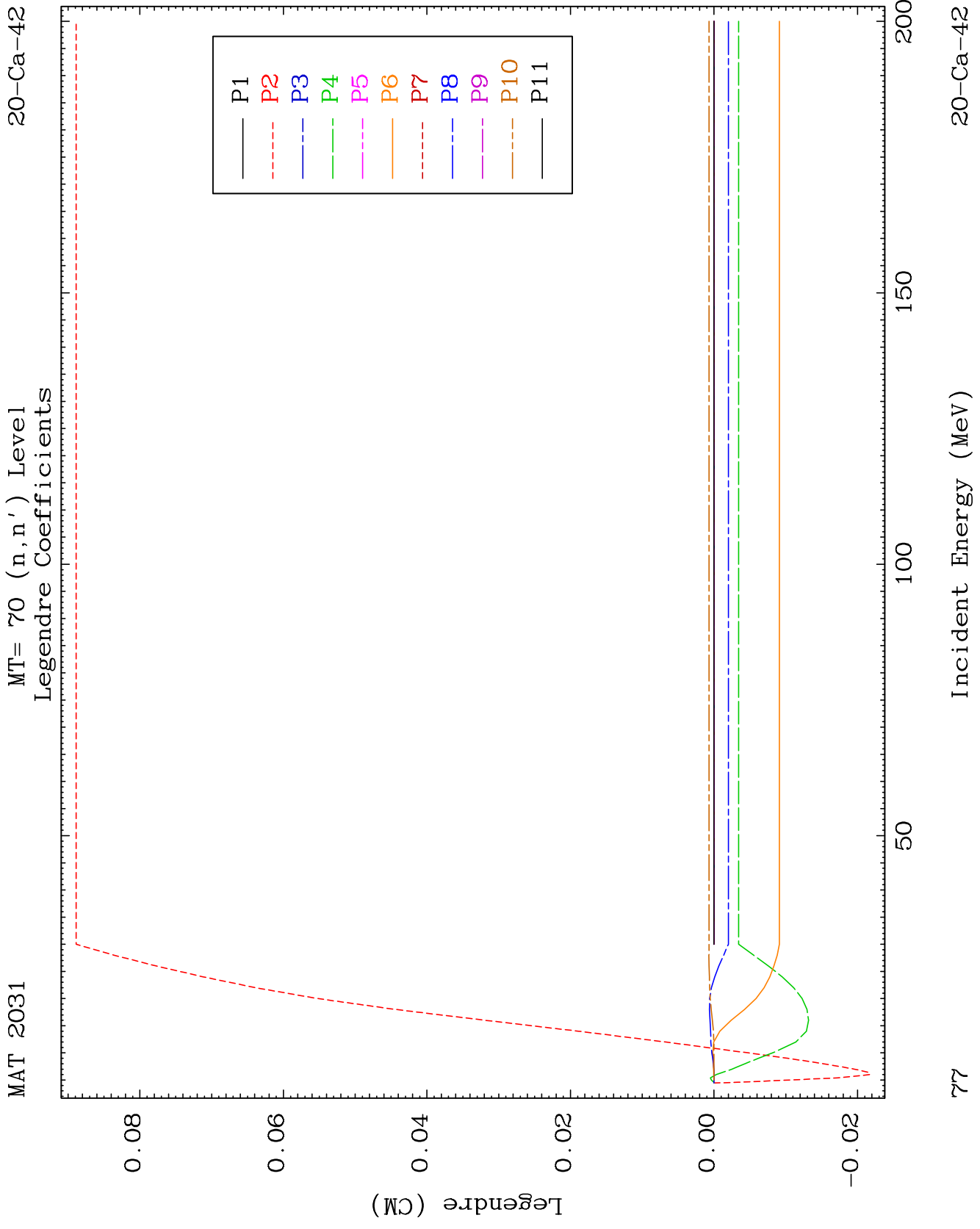


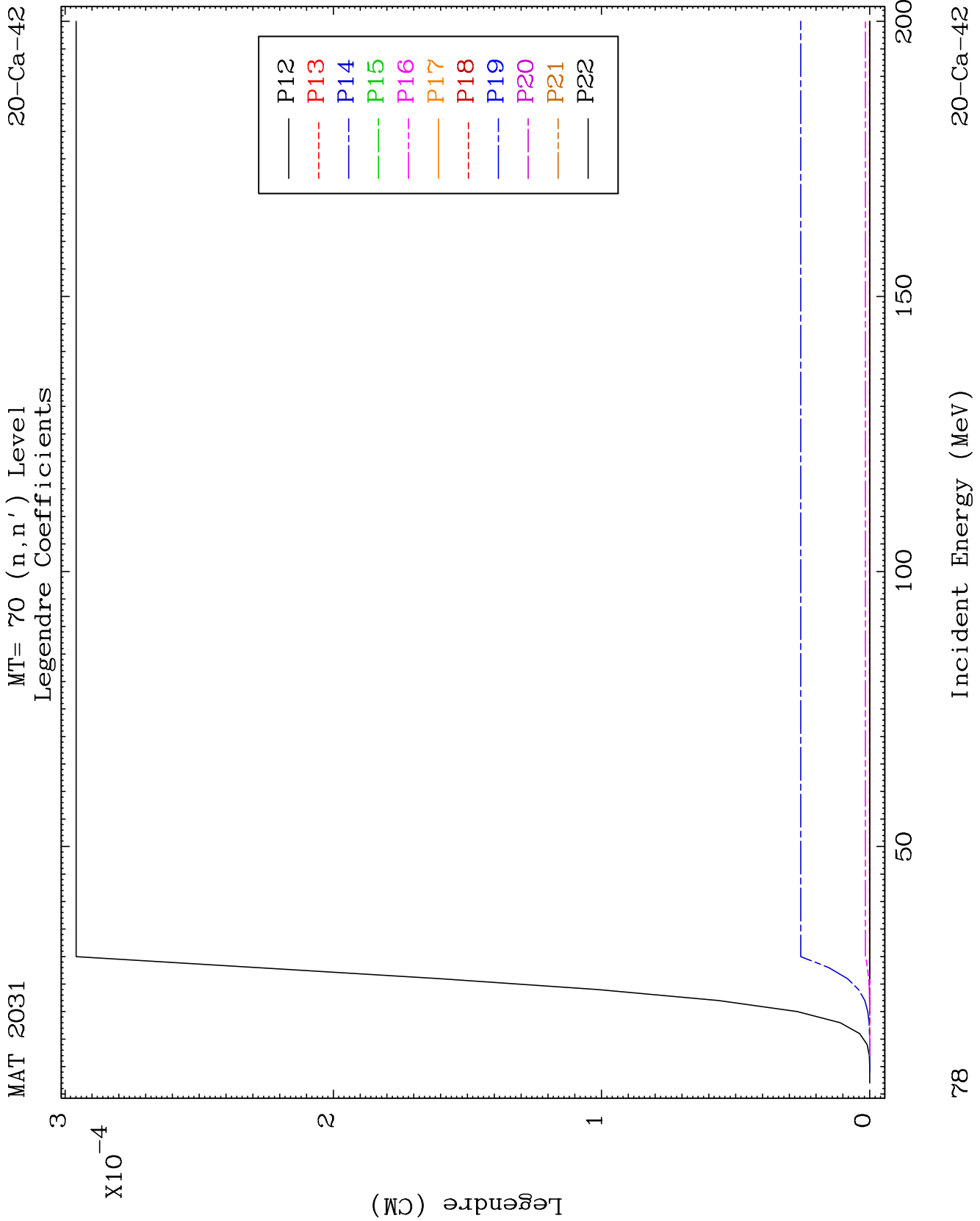
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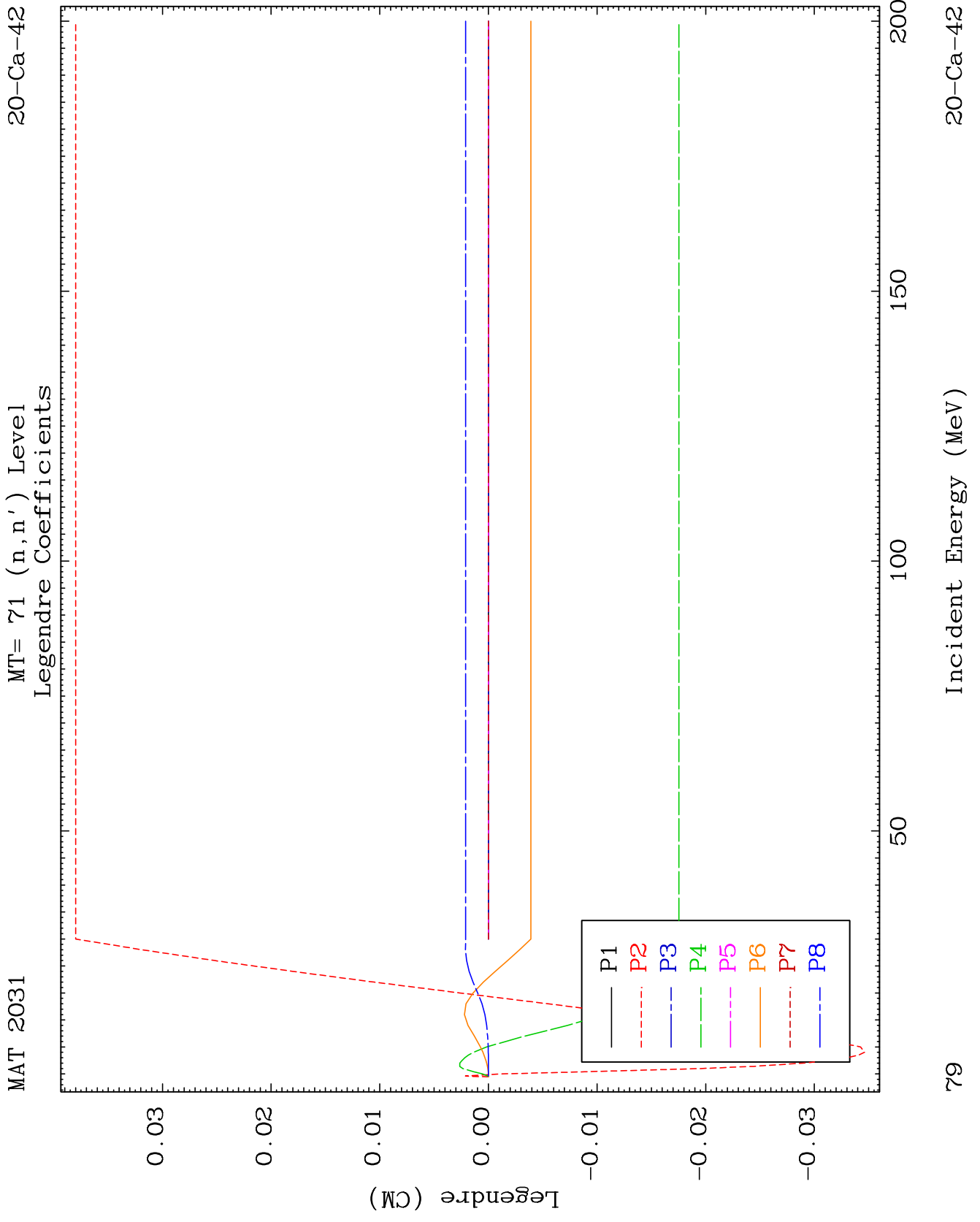
Incident Energy (MeV)

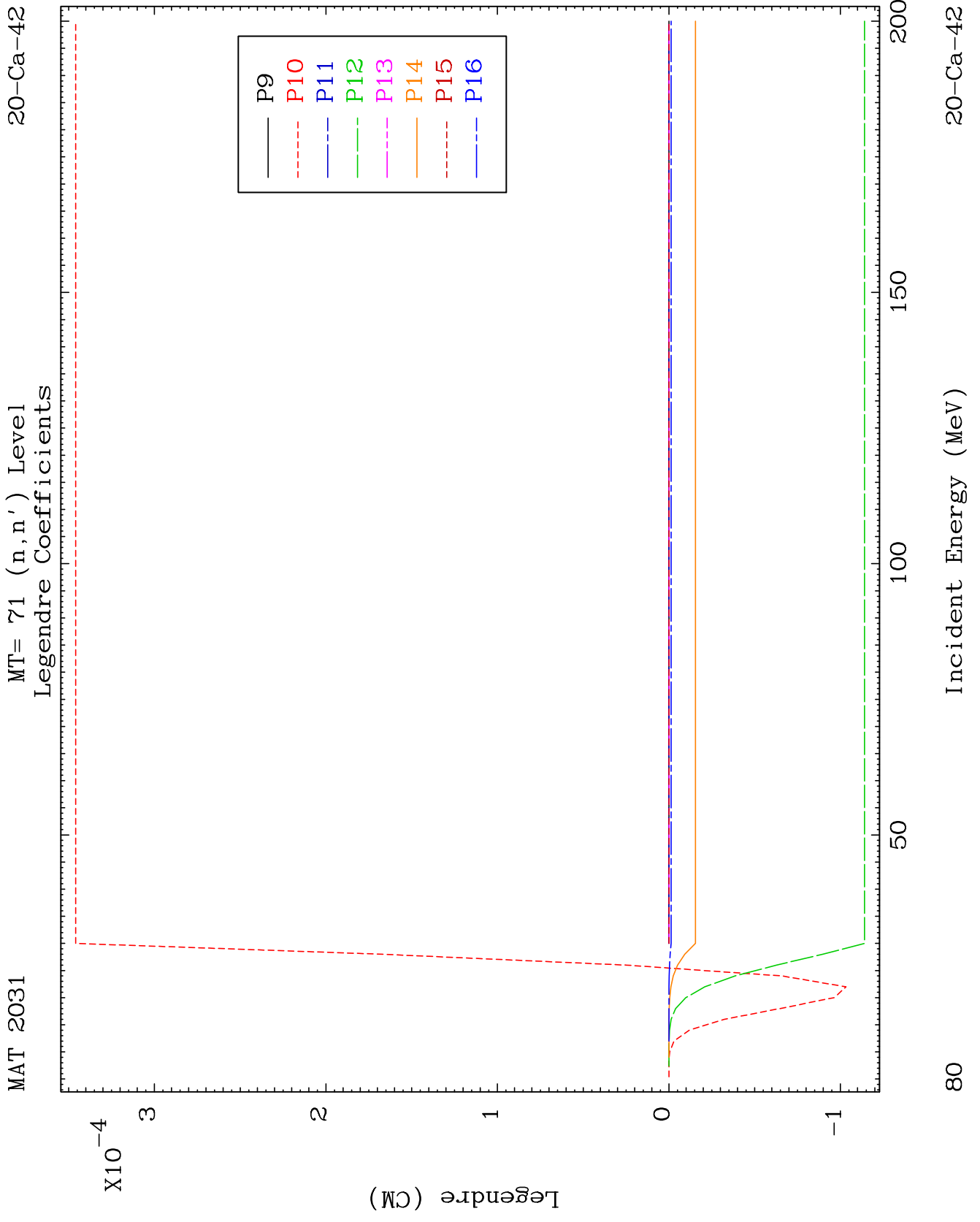
20-Ca-42

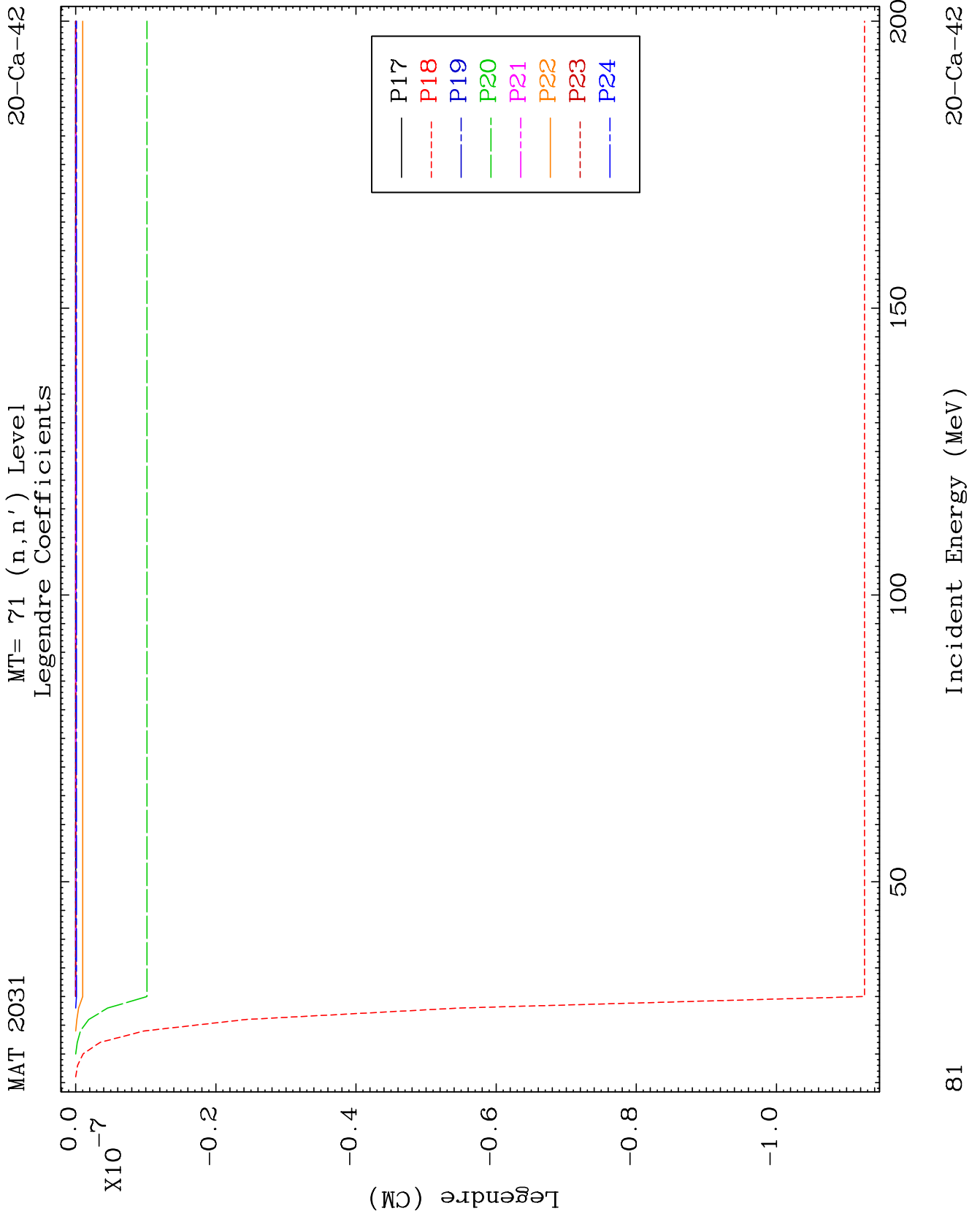


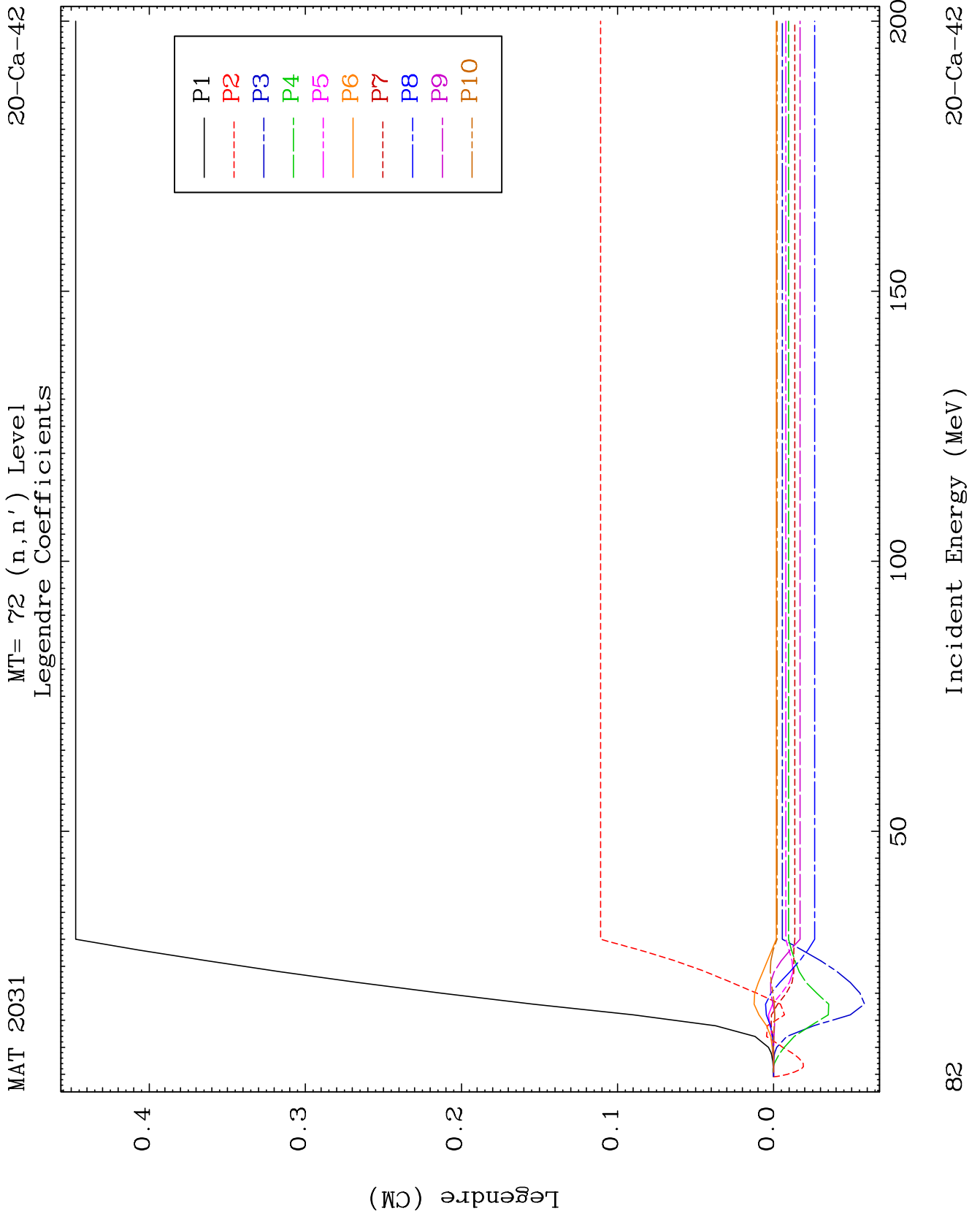








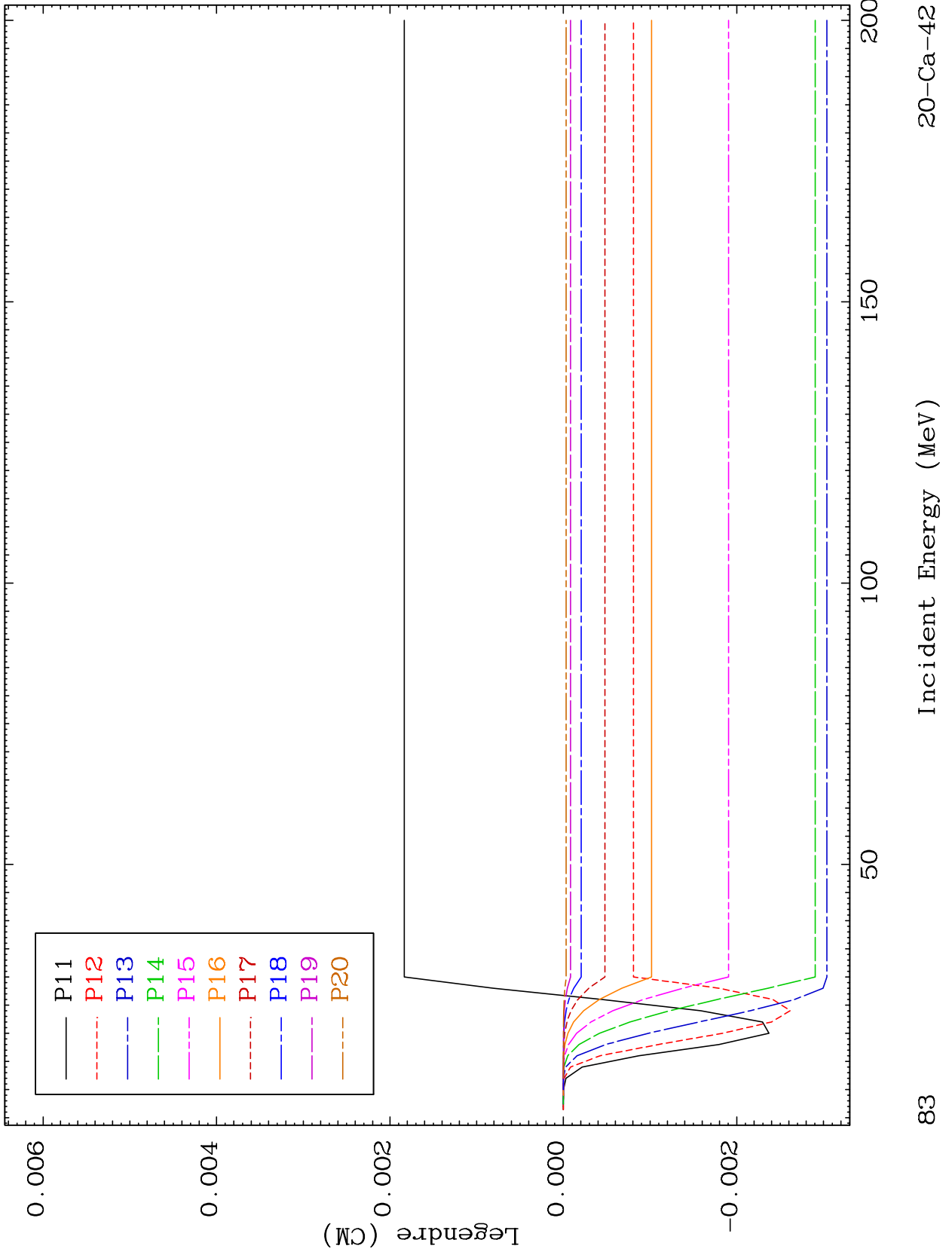


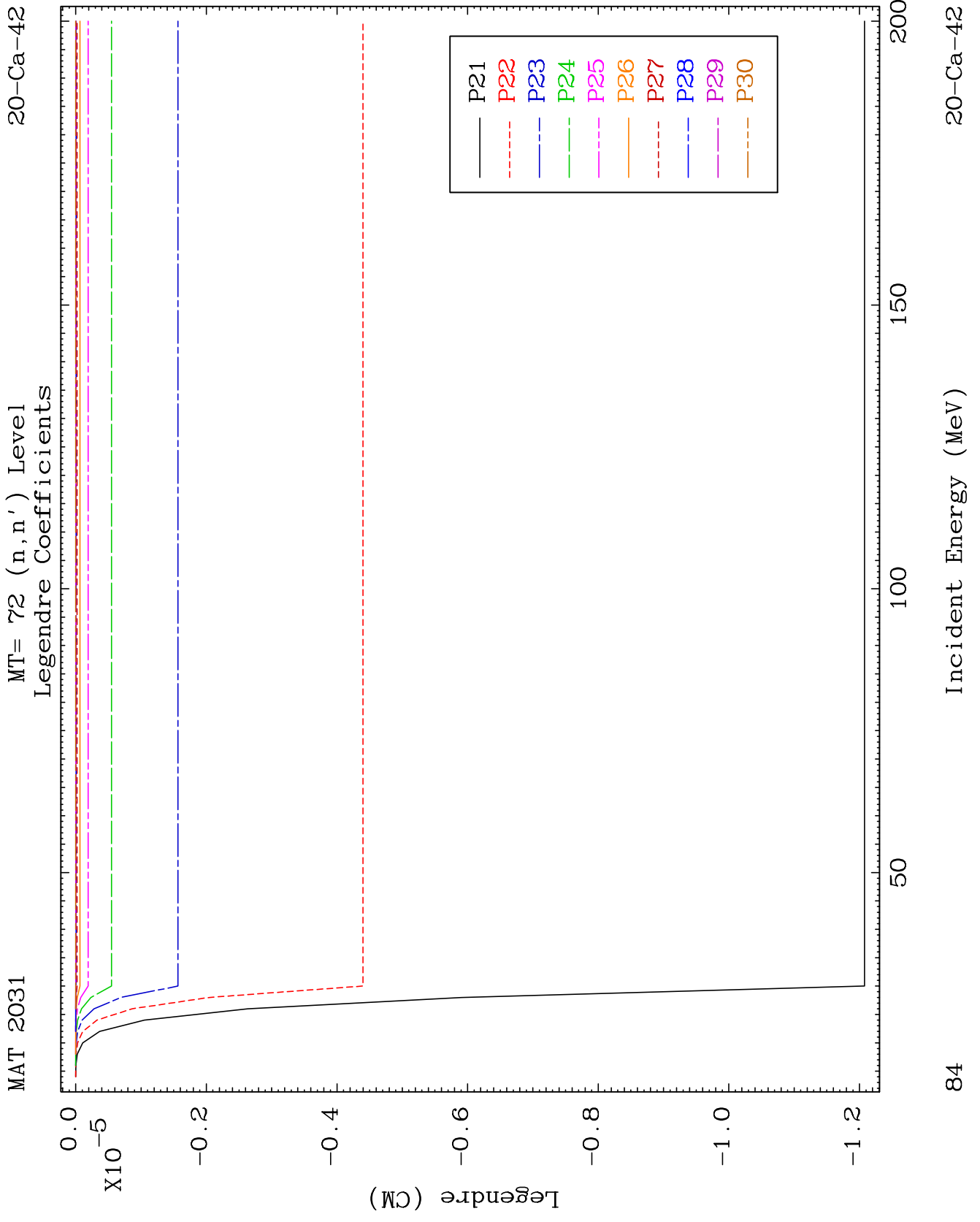


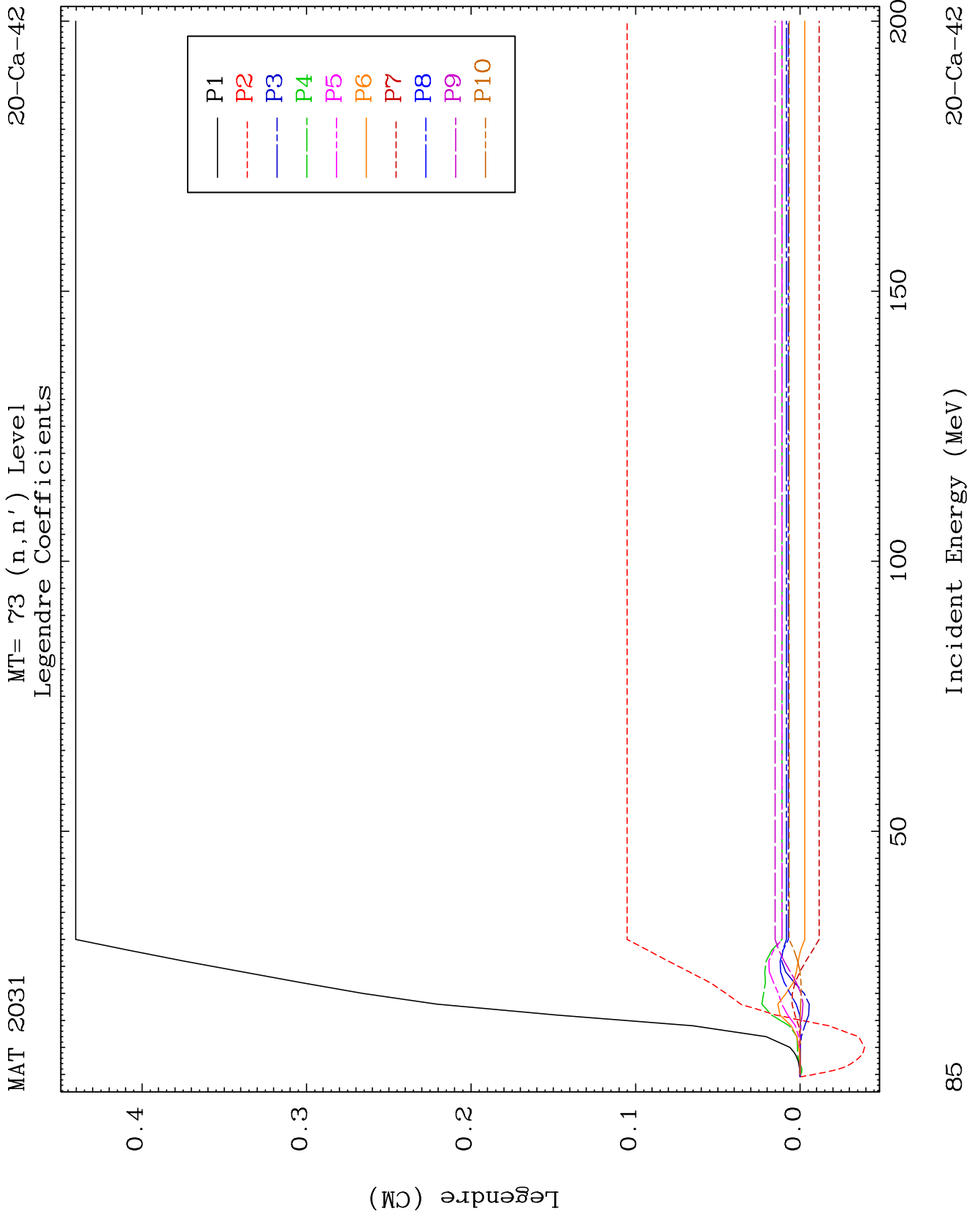
MAT 2031

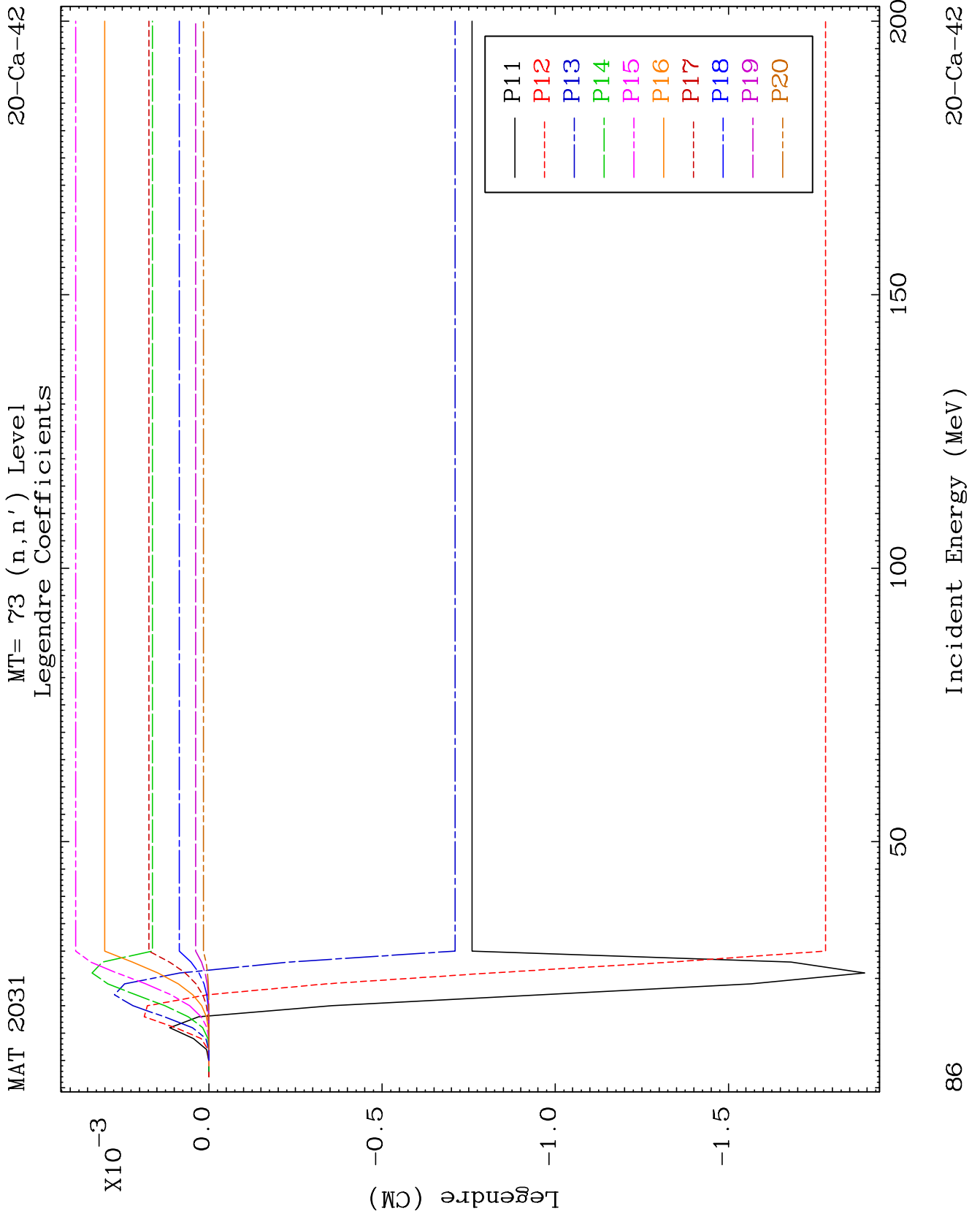
MT= 72 (n,n') Level
Legendre Coefficients

20-Ca-42





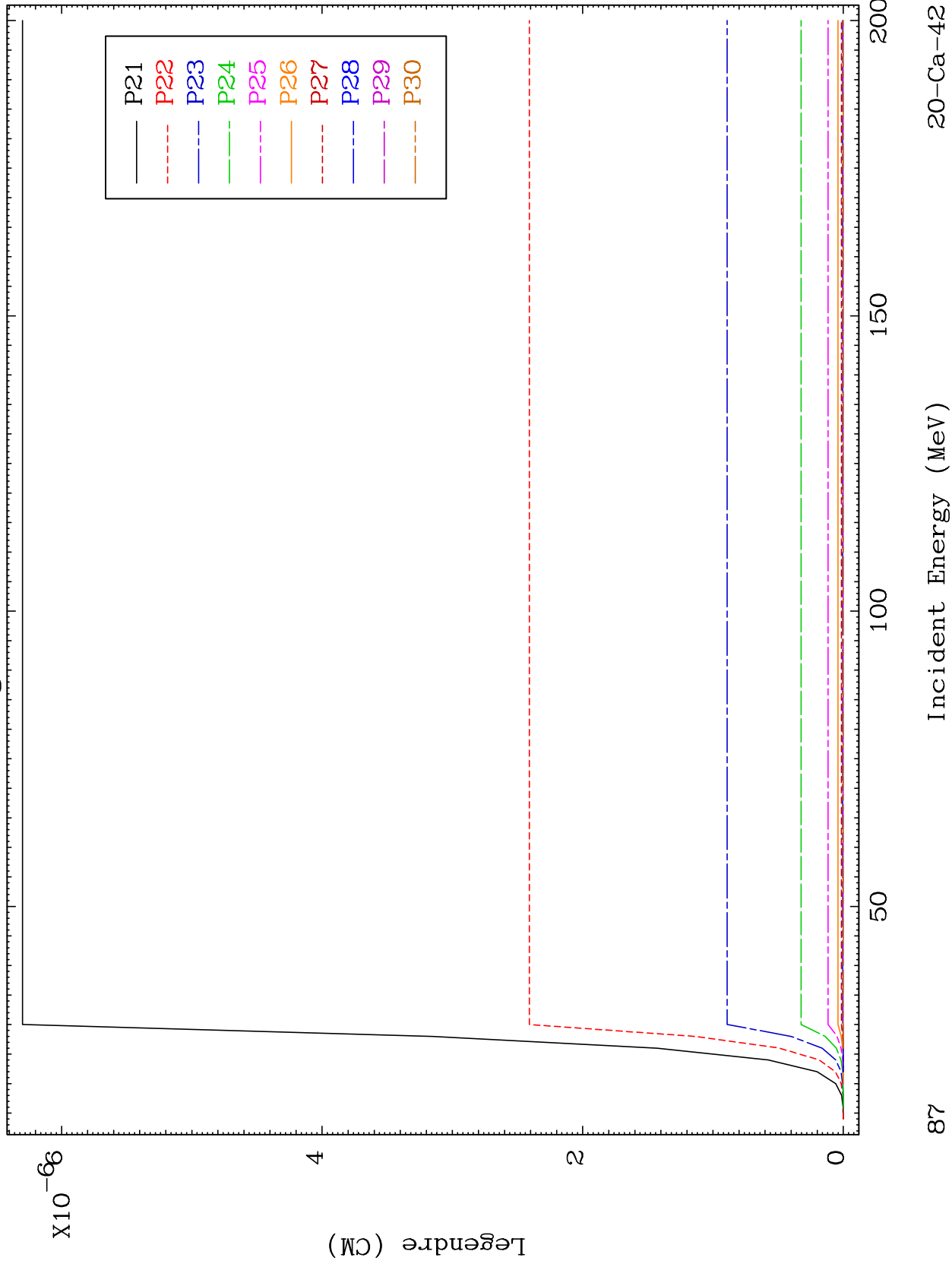




MAT 2031

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

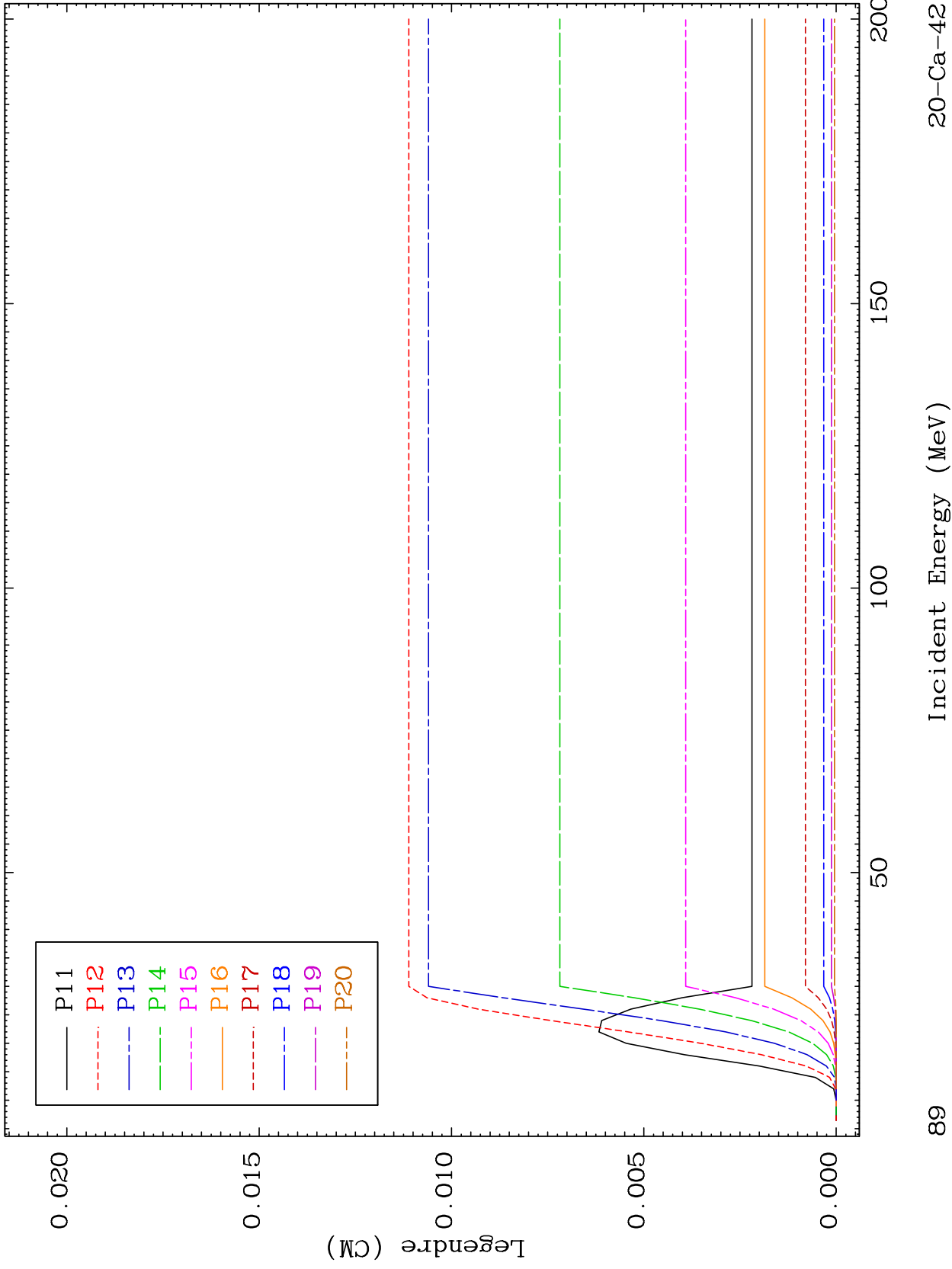
20-Ca-42

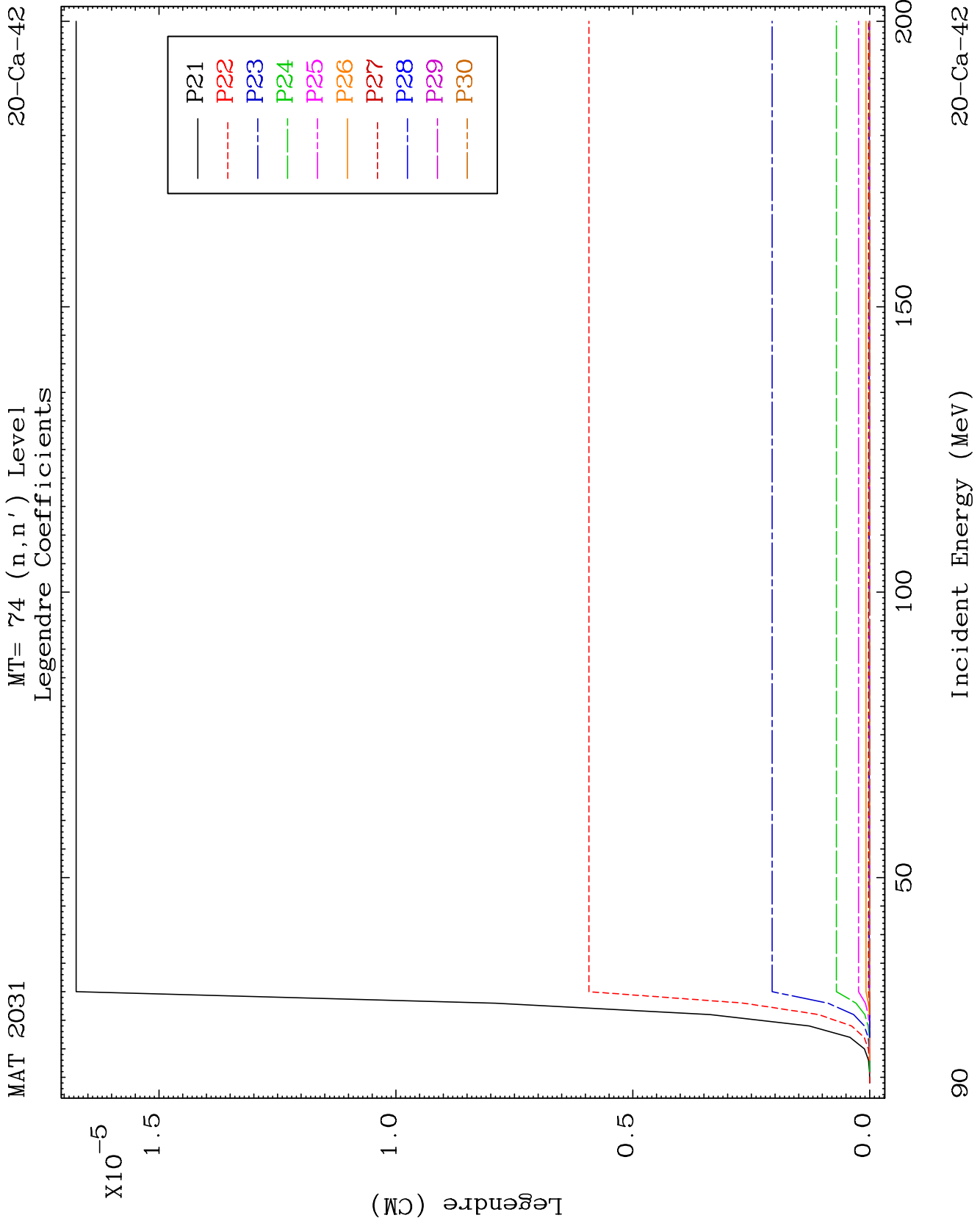


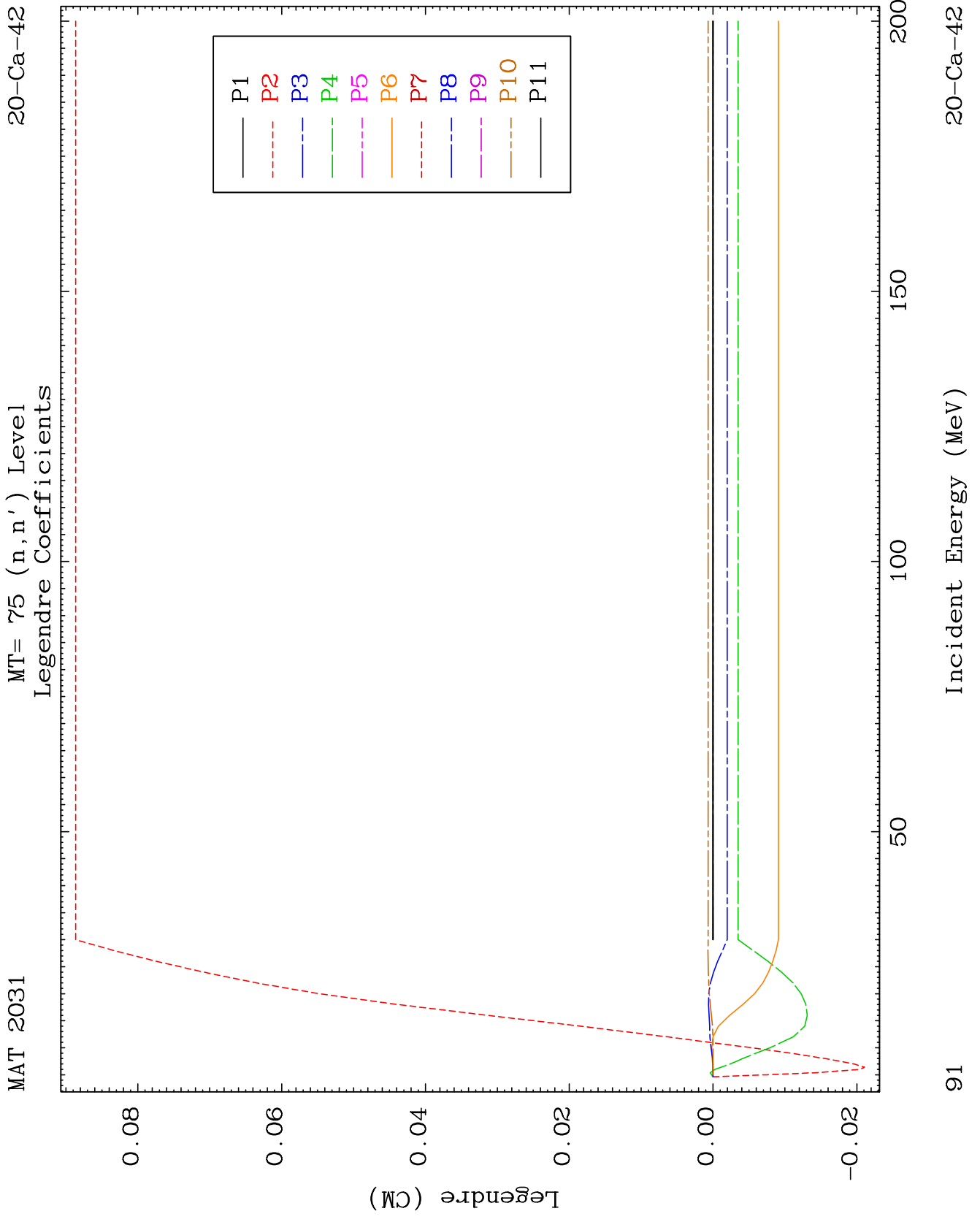
MAT 2031

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

20-Ca-42



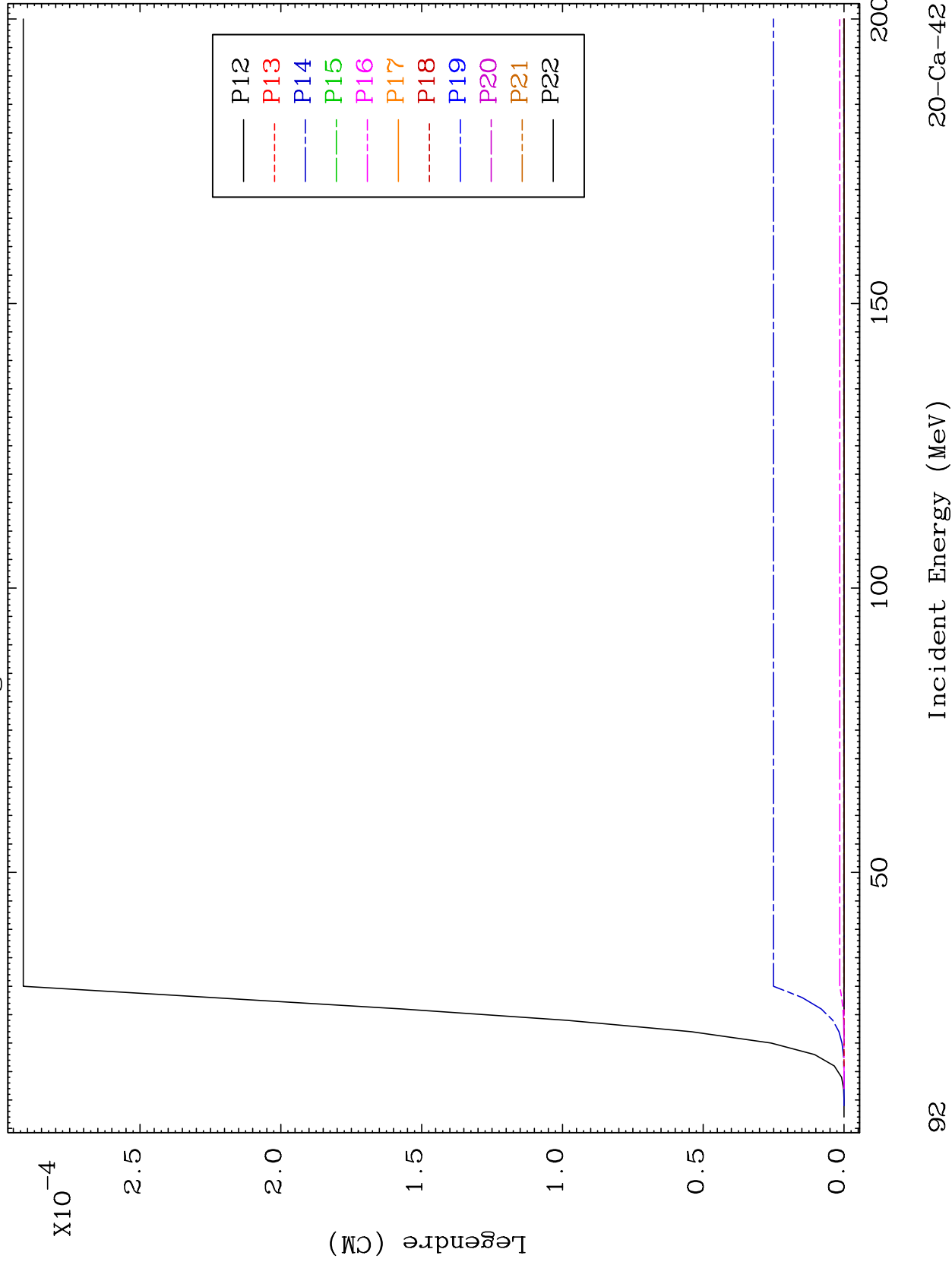




MAT 2031

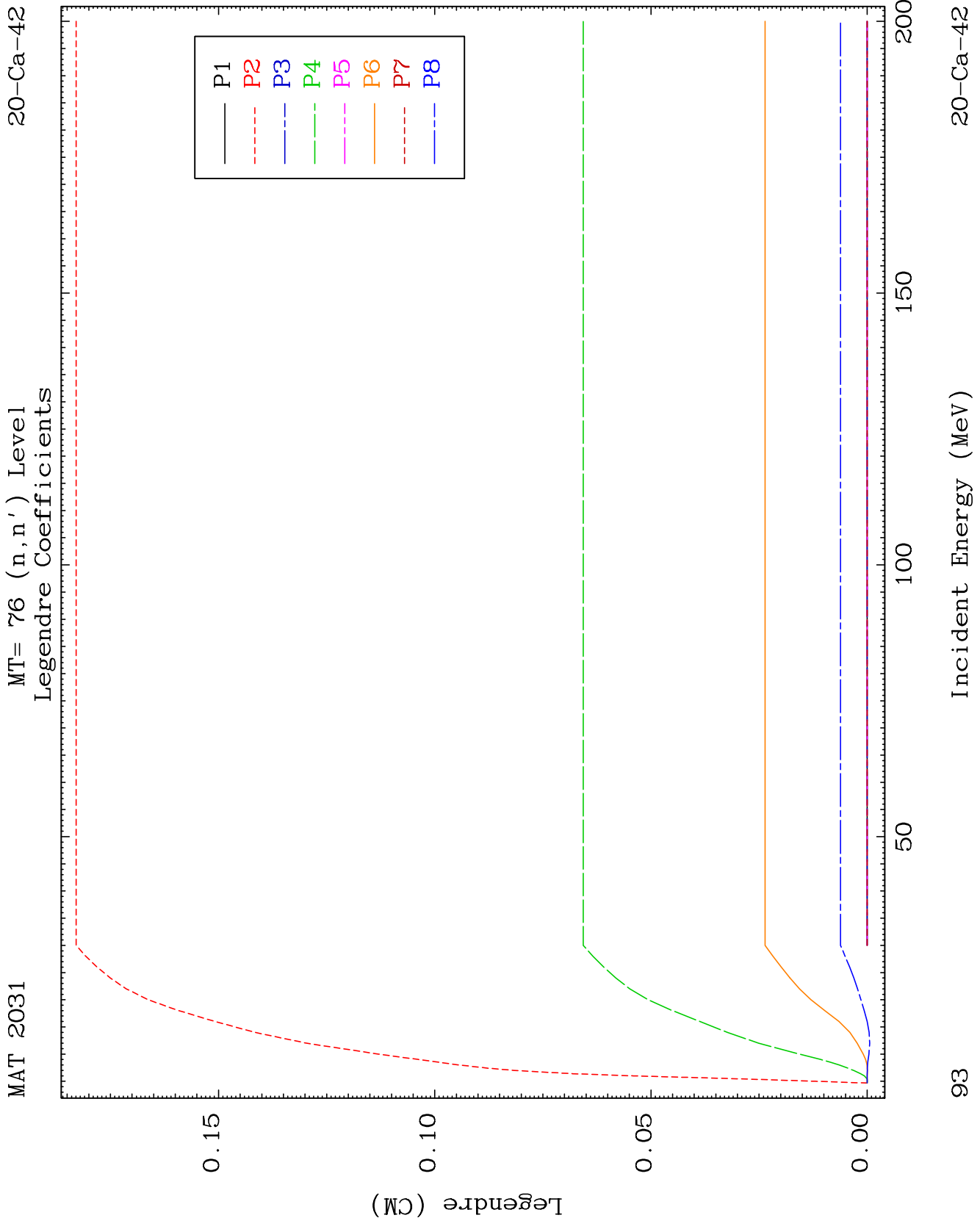
MT= 75 (n,n') Level
Legendre Coefficients

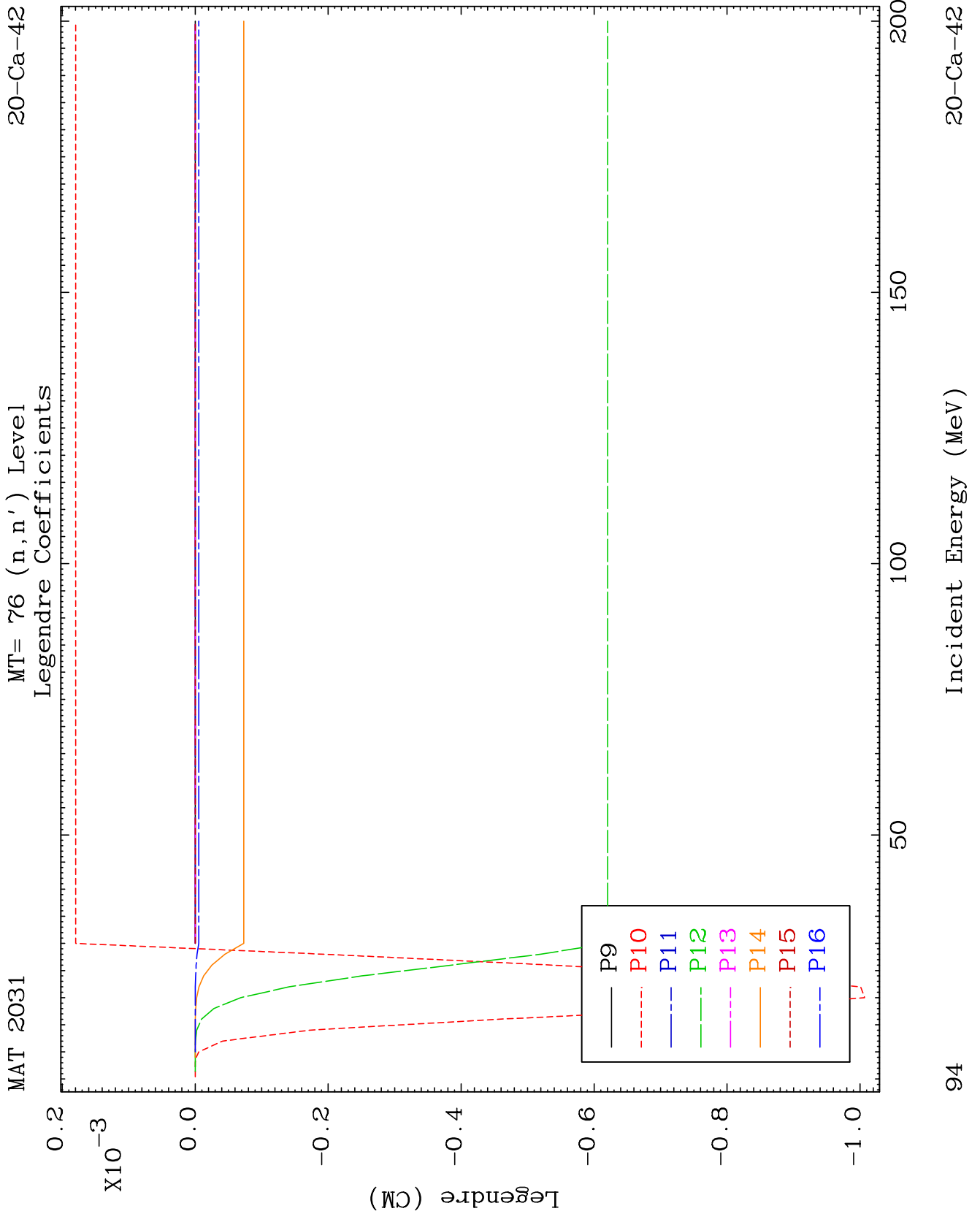
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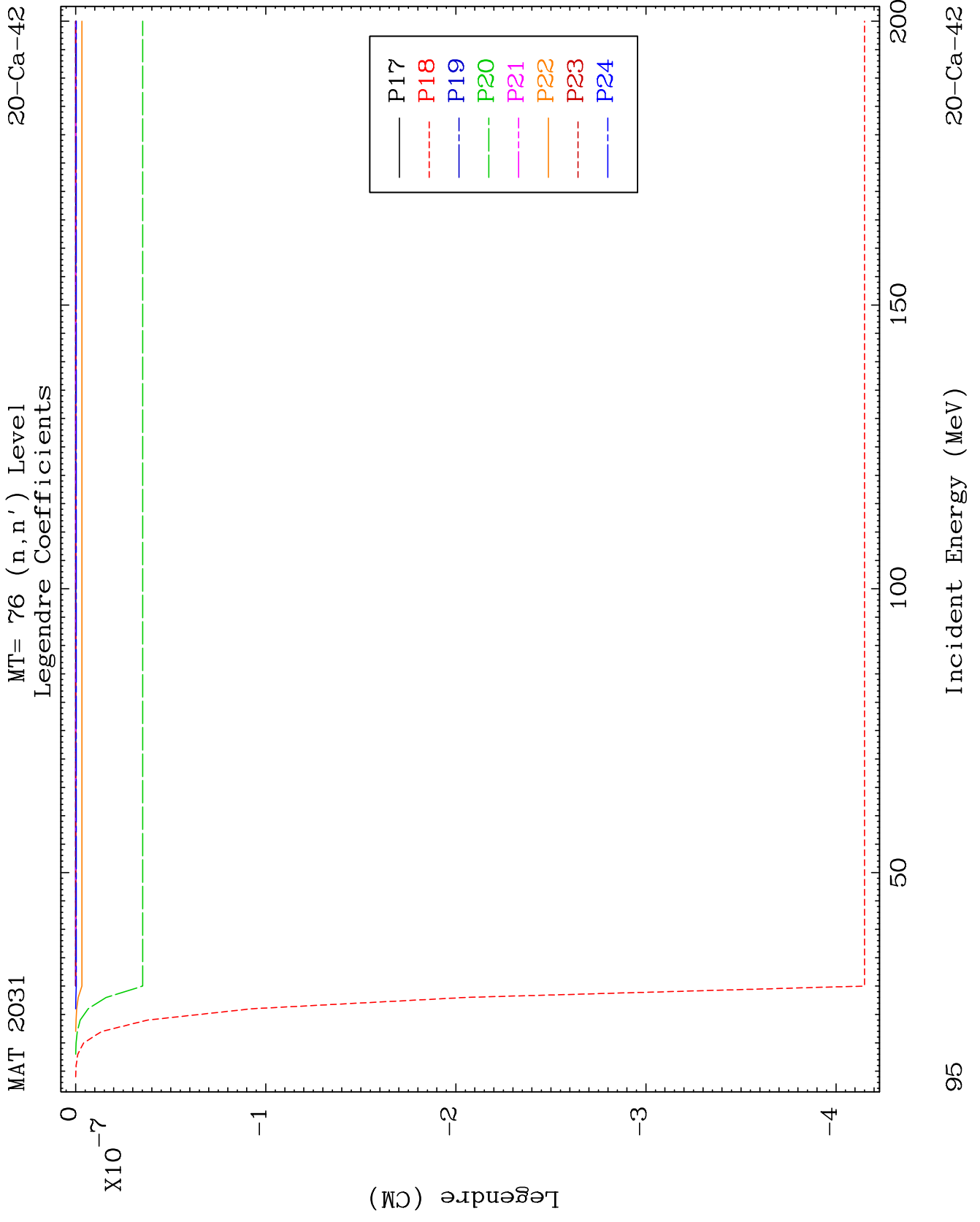


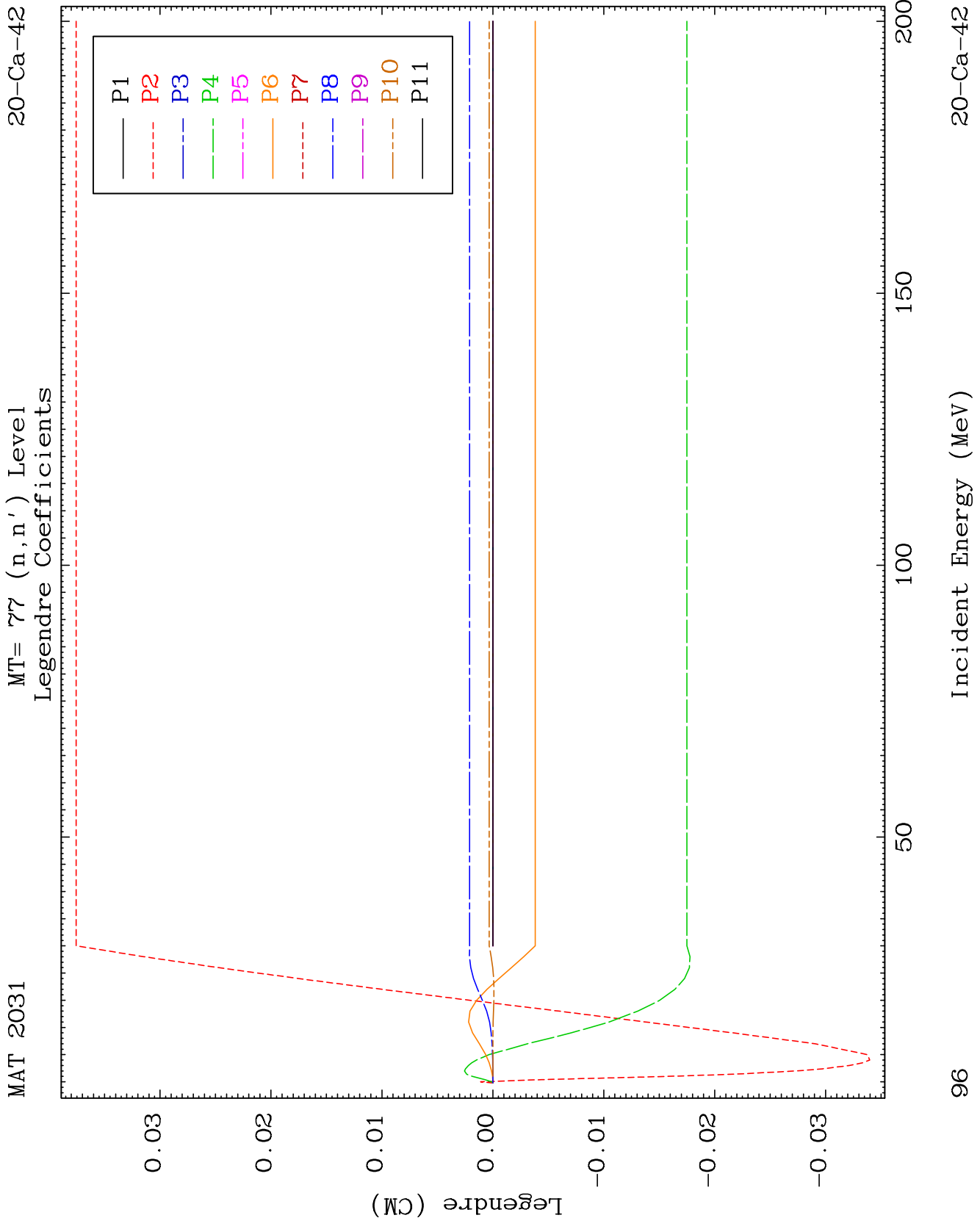
92

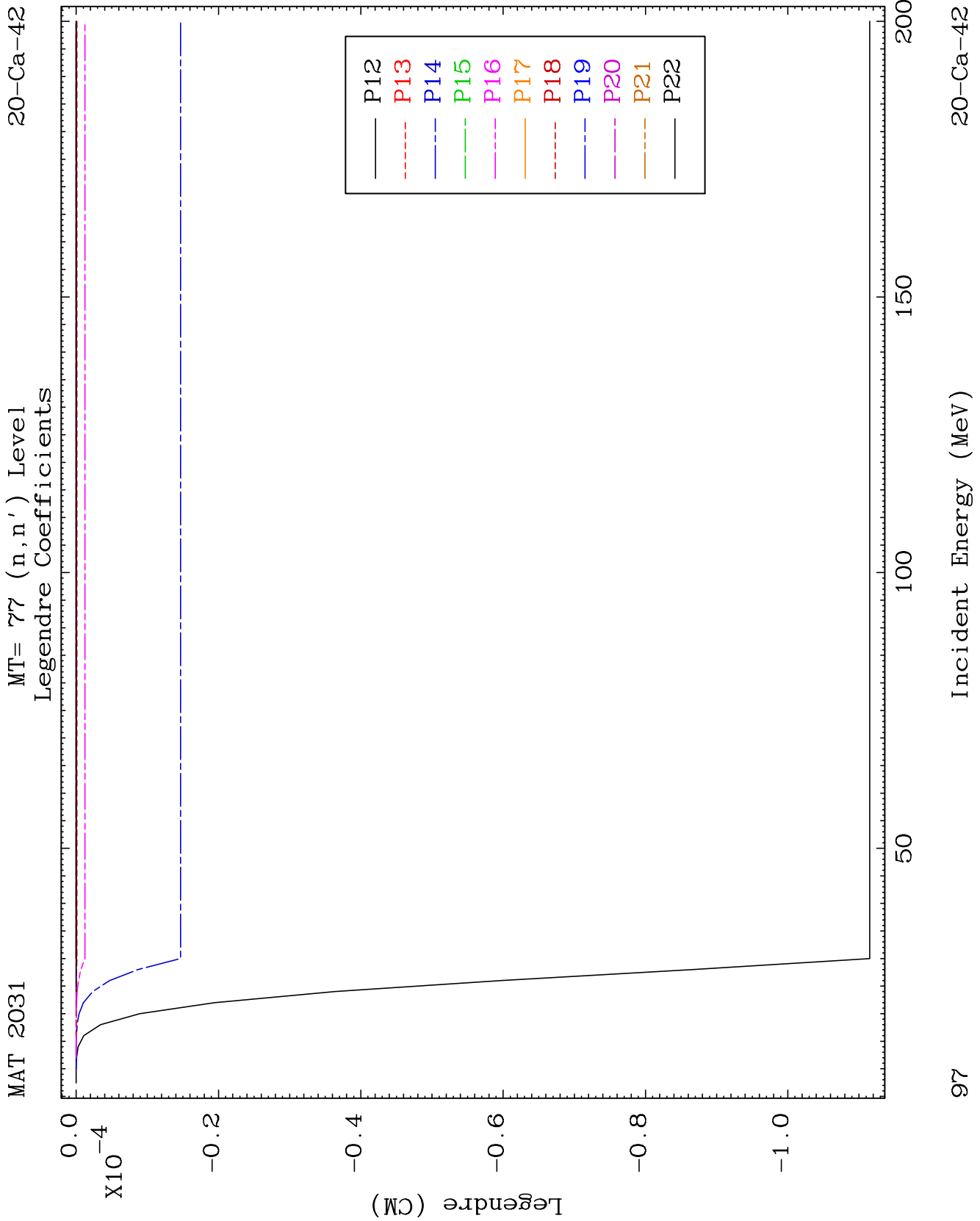
20-Ca-42







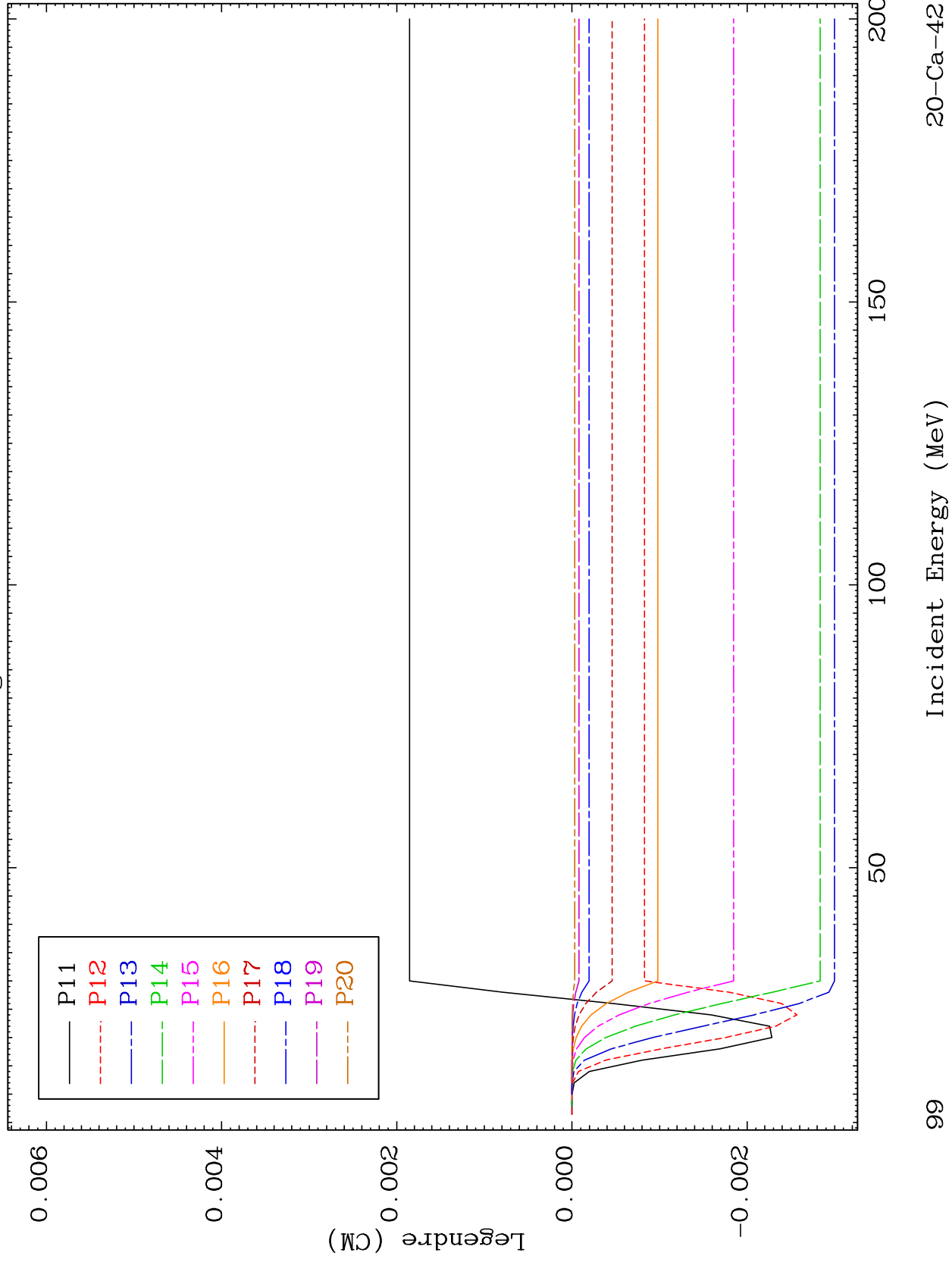


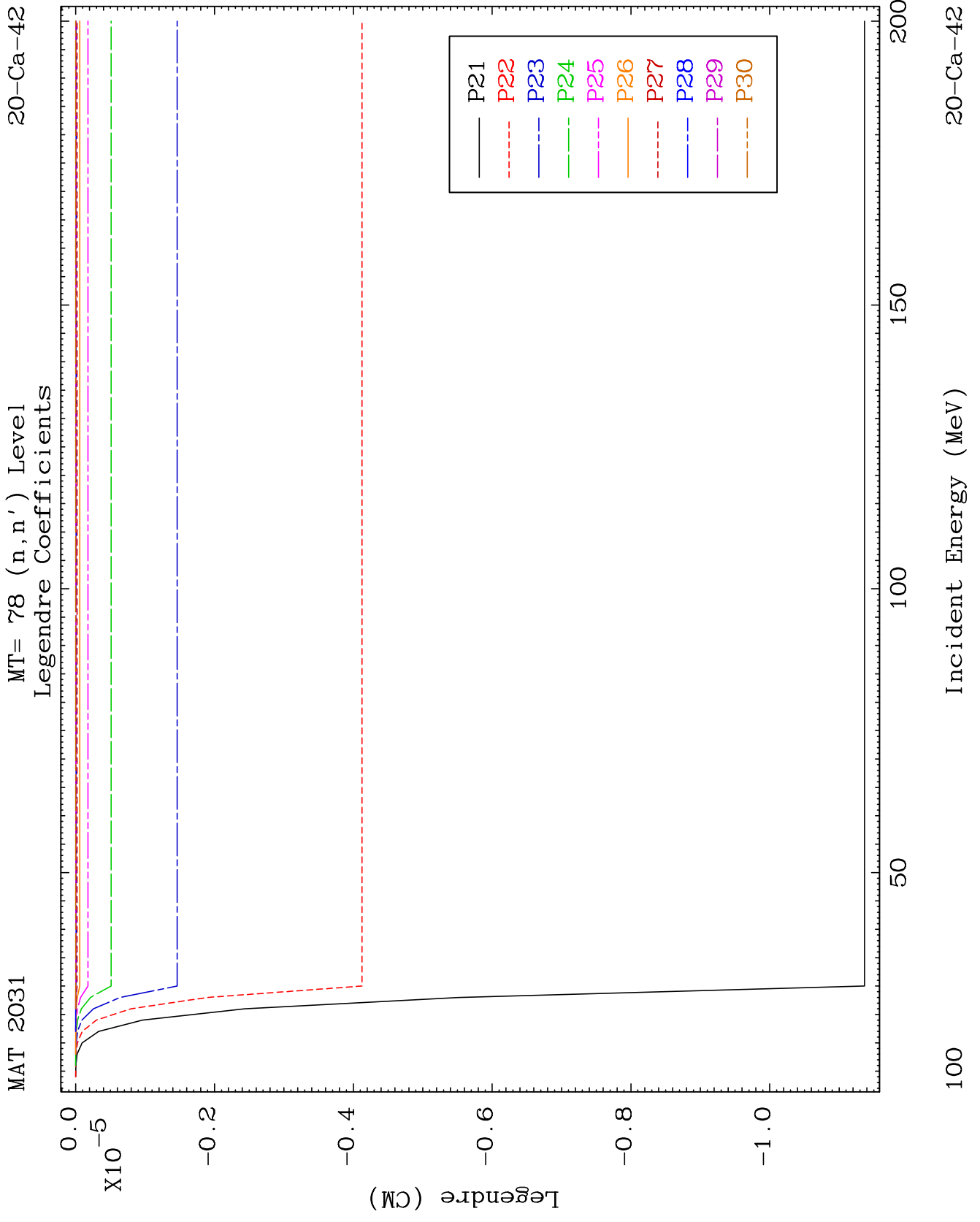


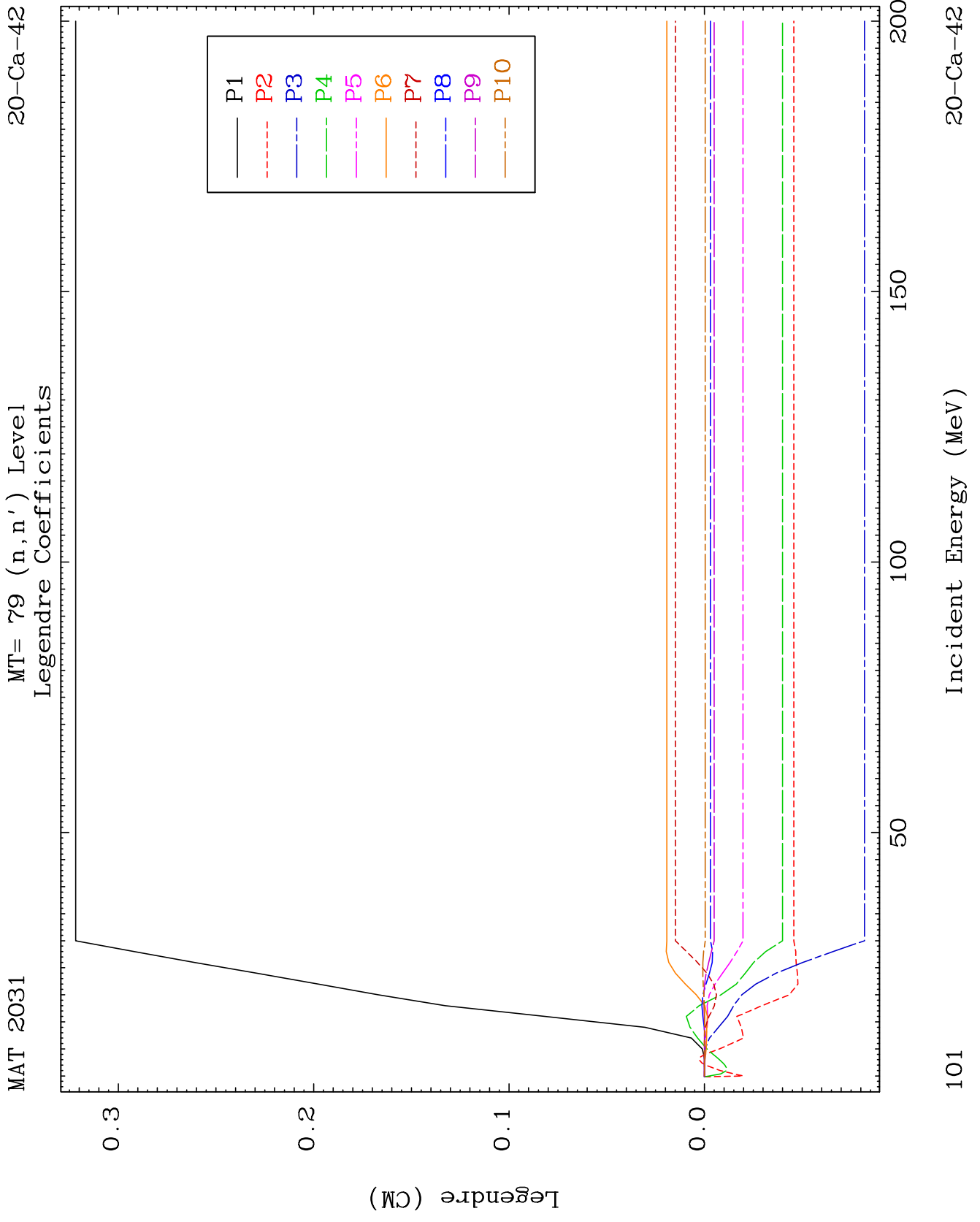
MAT 2031

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

20-Ca-42



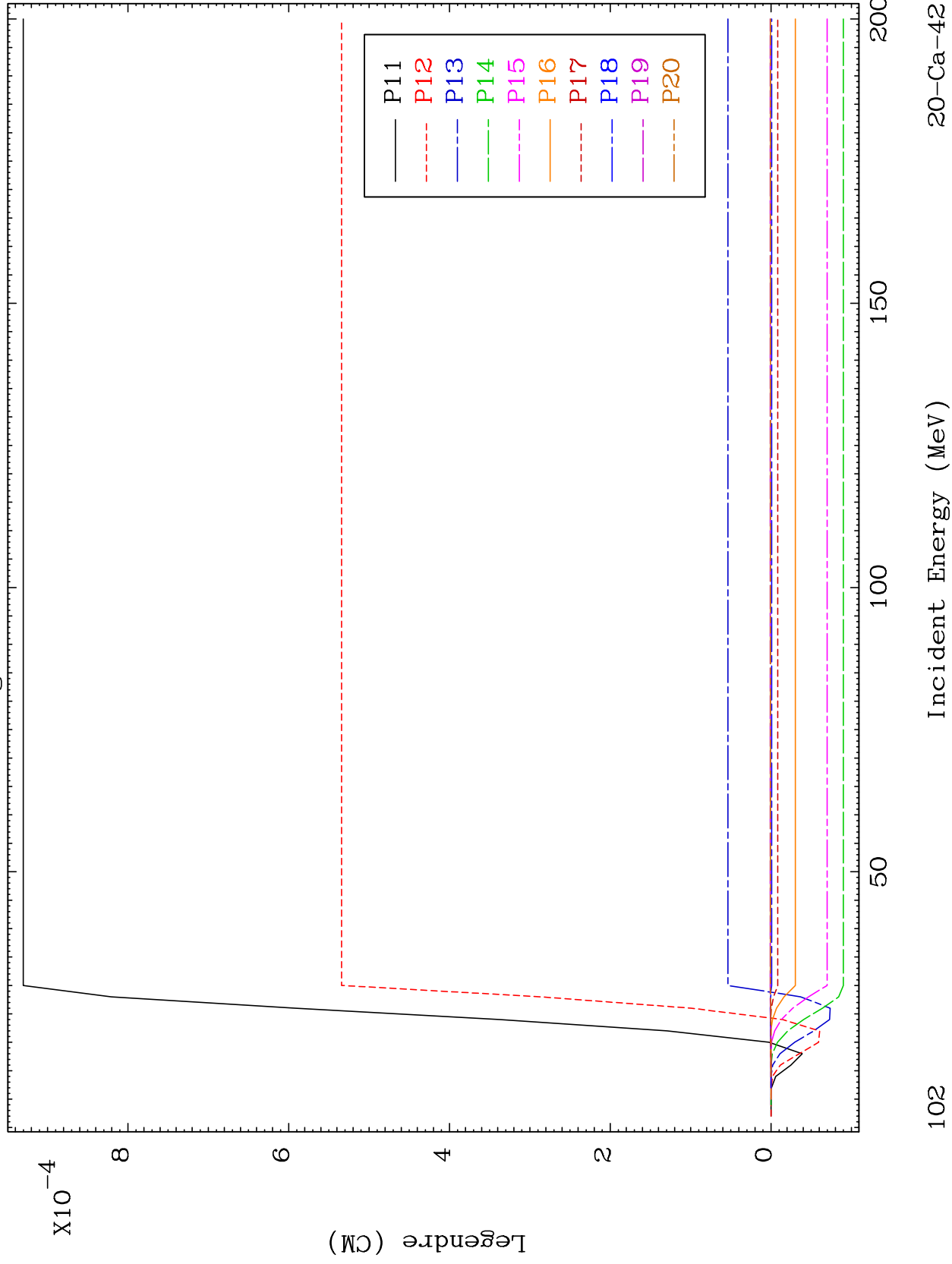




MAT 2031

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

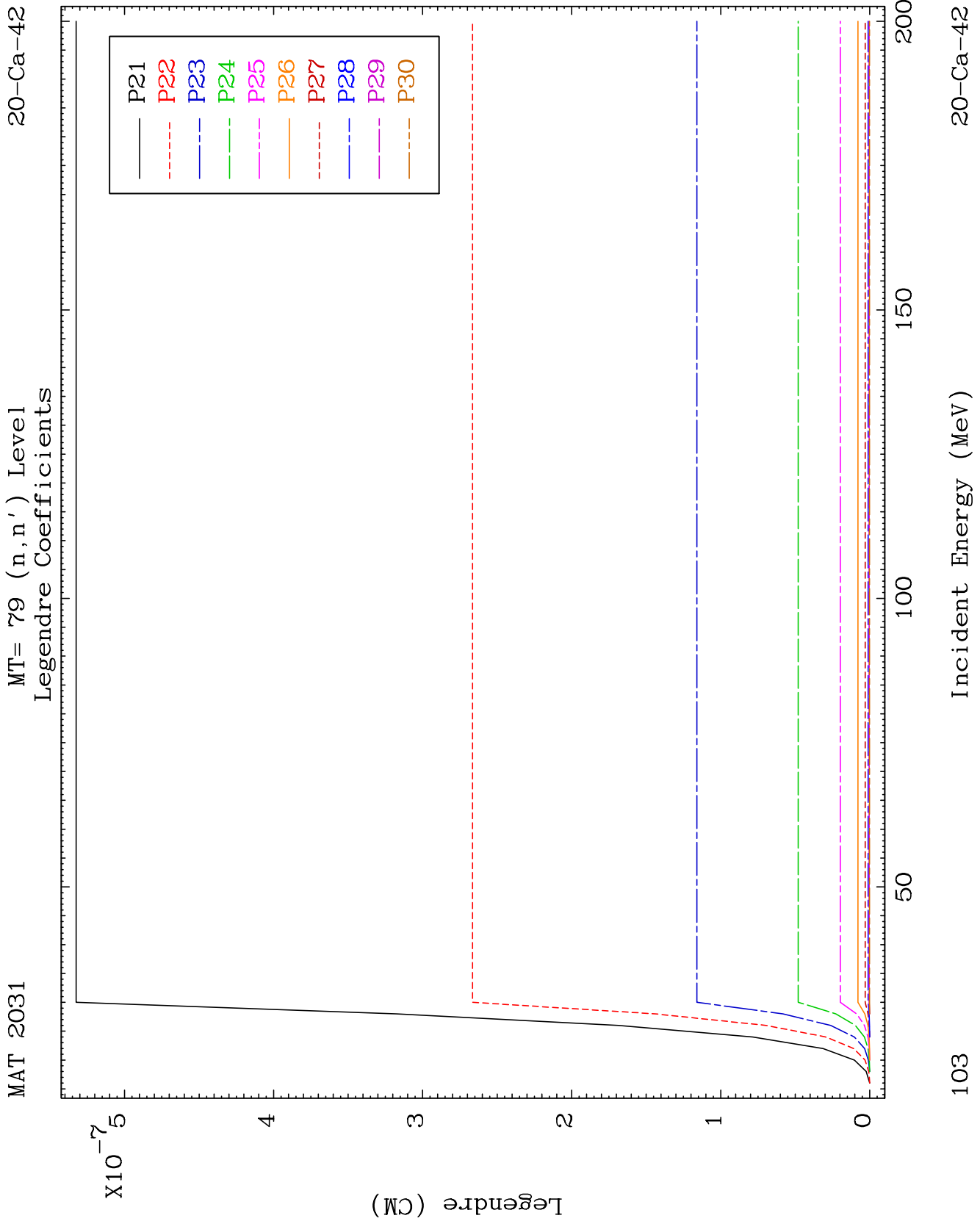
20-Ca-42

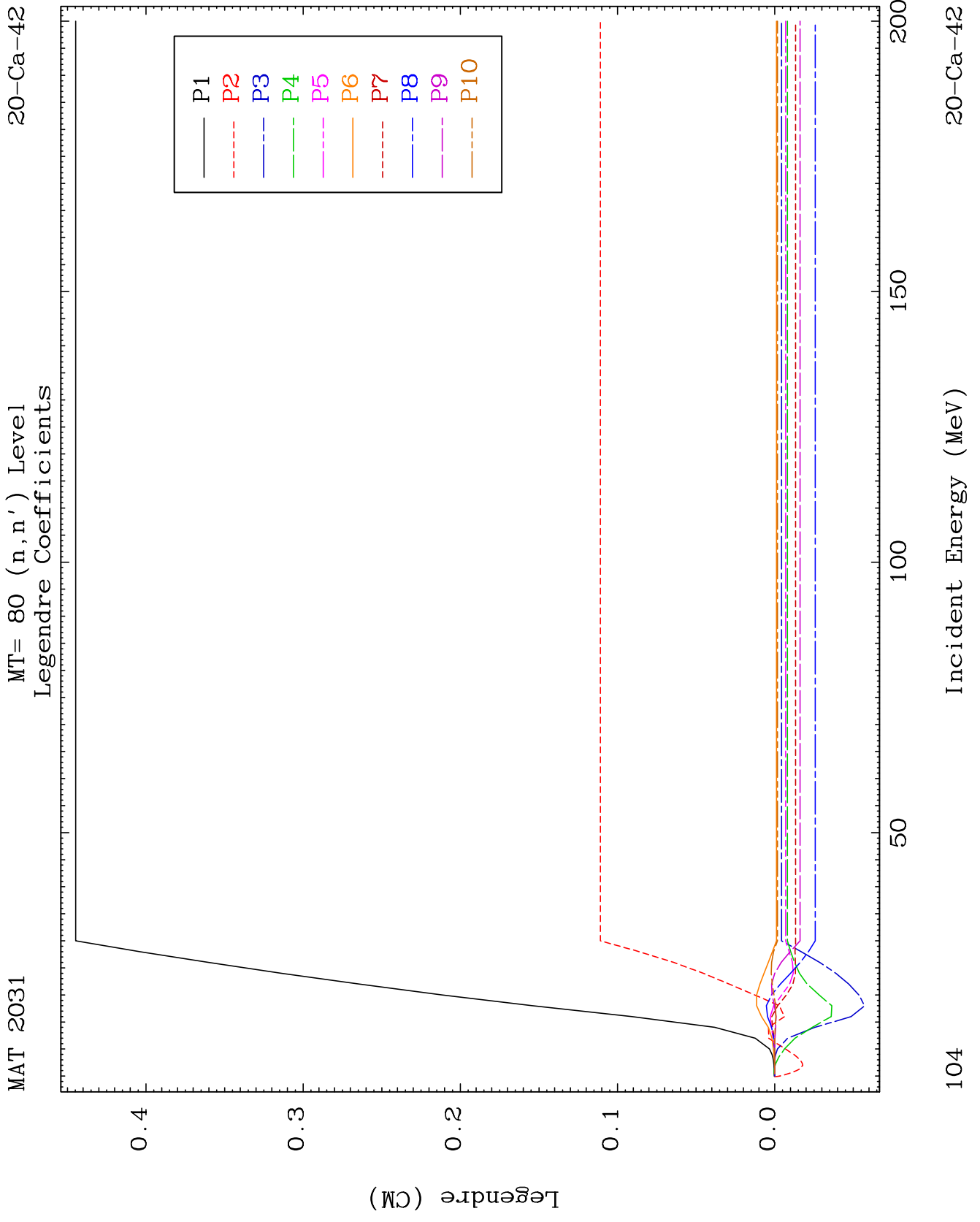


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Incident Energy (MeV)

20-Ca-42

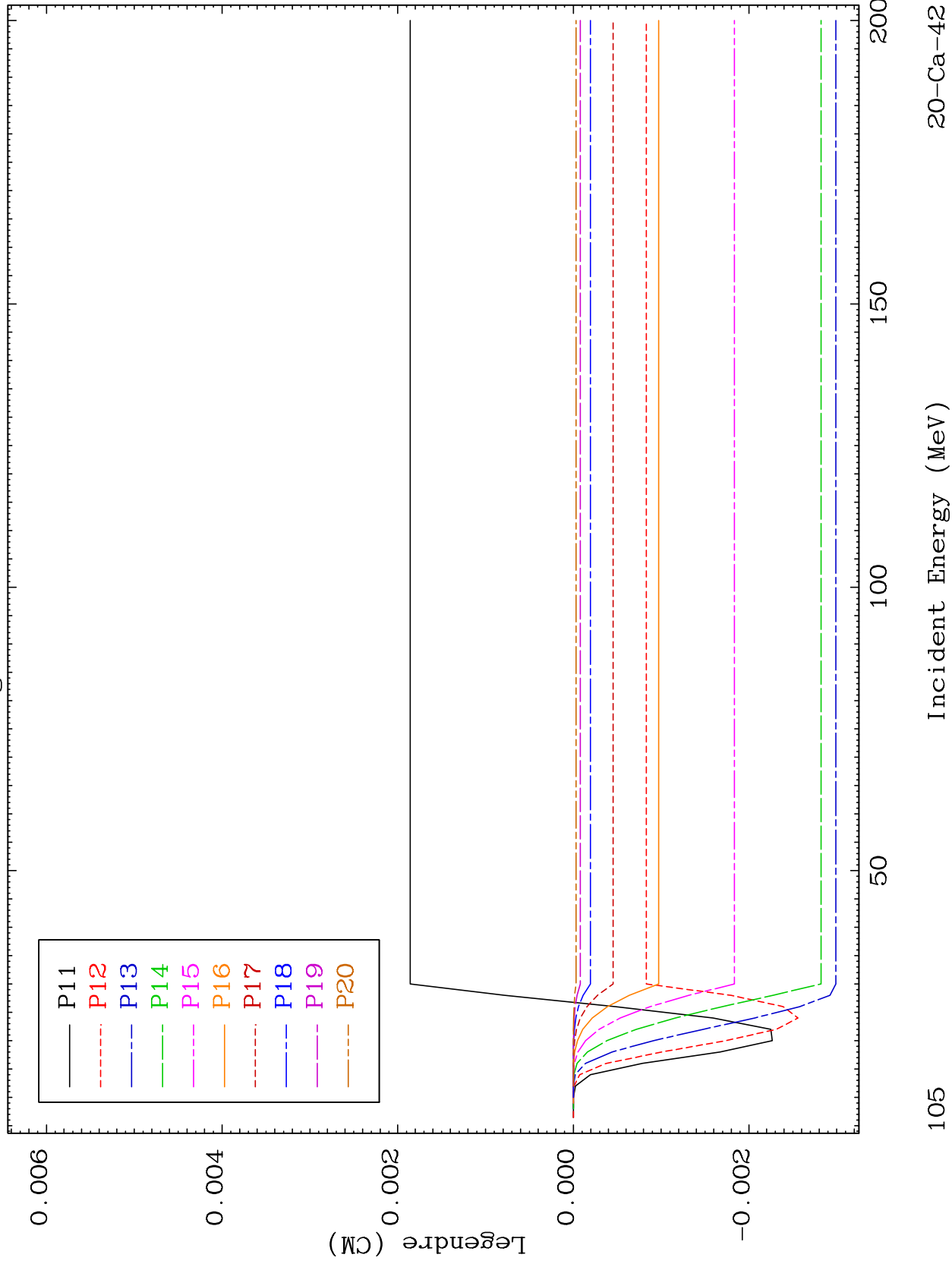




MAT 2031

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

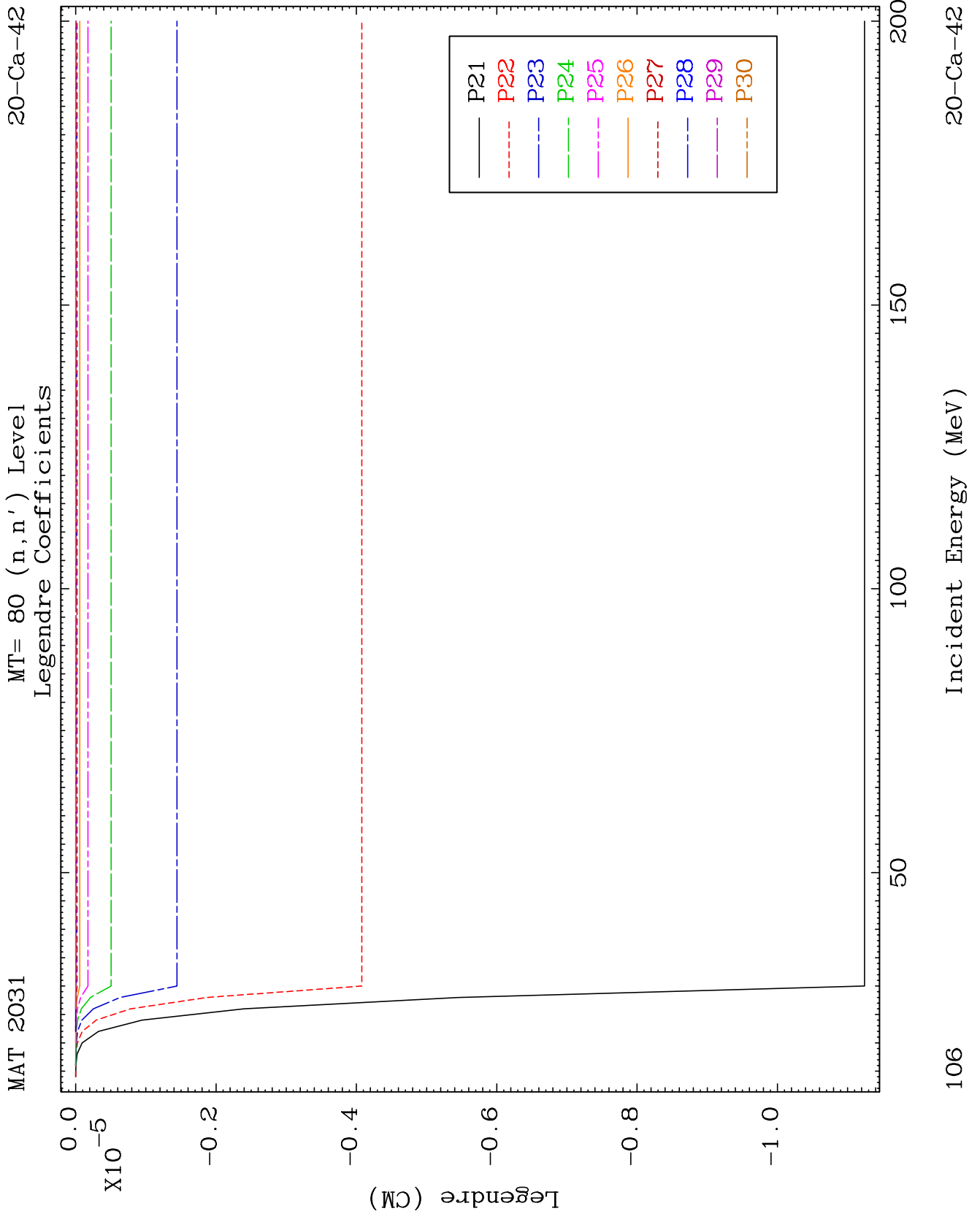
20-Ca-42



105

Incident Energy (MeV)

20-Ca-42

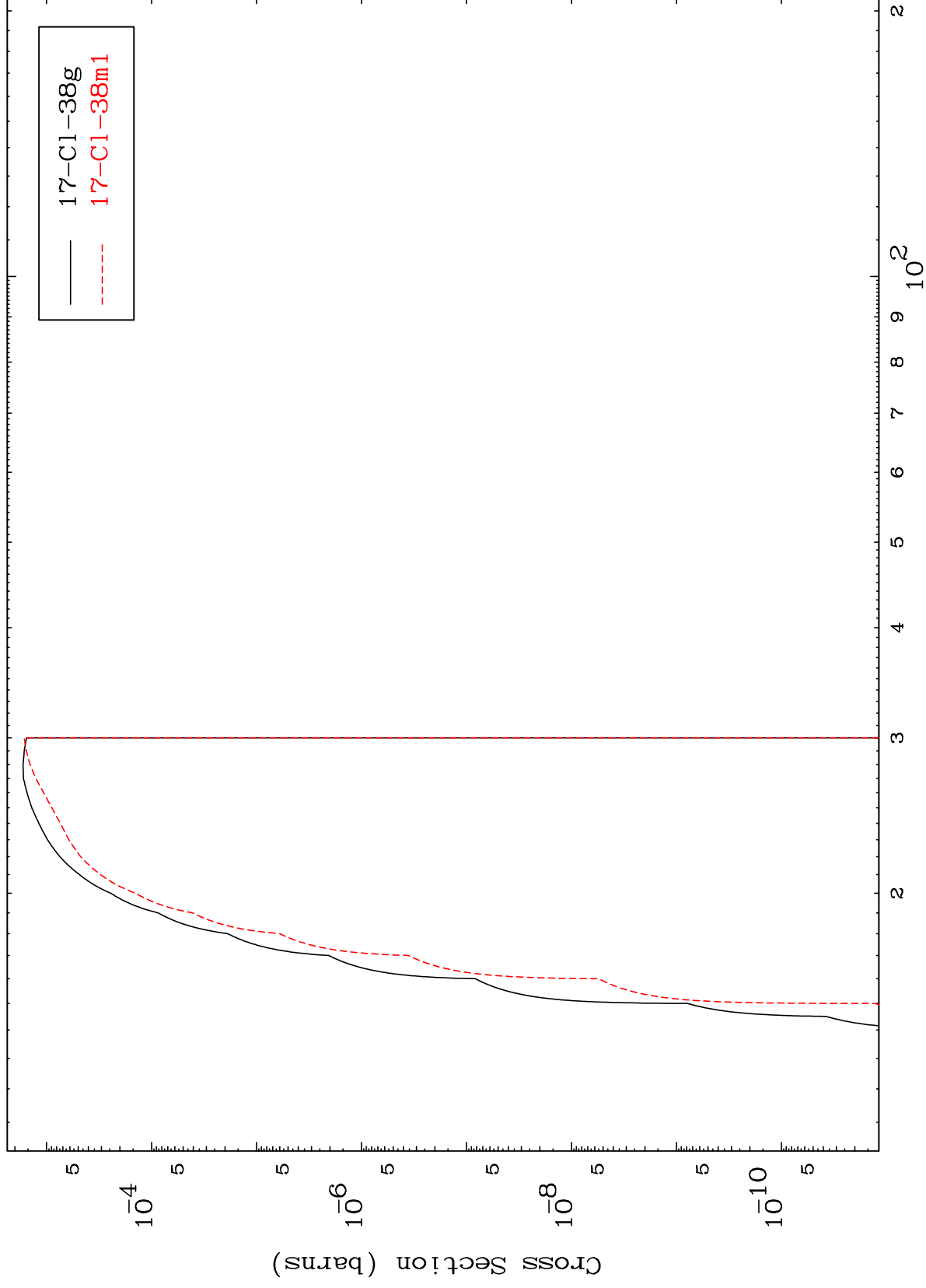


MAT 2031

(n,p) α

20-Ca-42

Radionuclide Production Cross Section



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Incident Energy (MeV)

20-Ca-42