

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

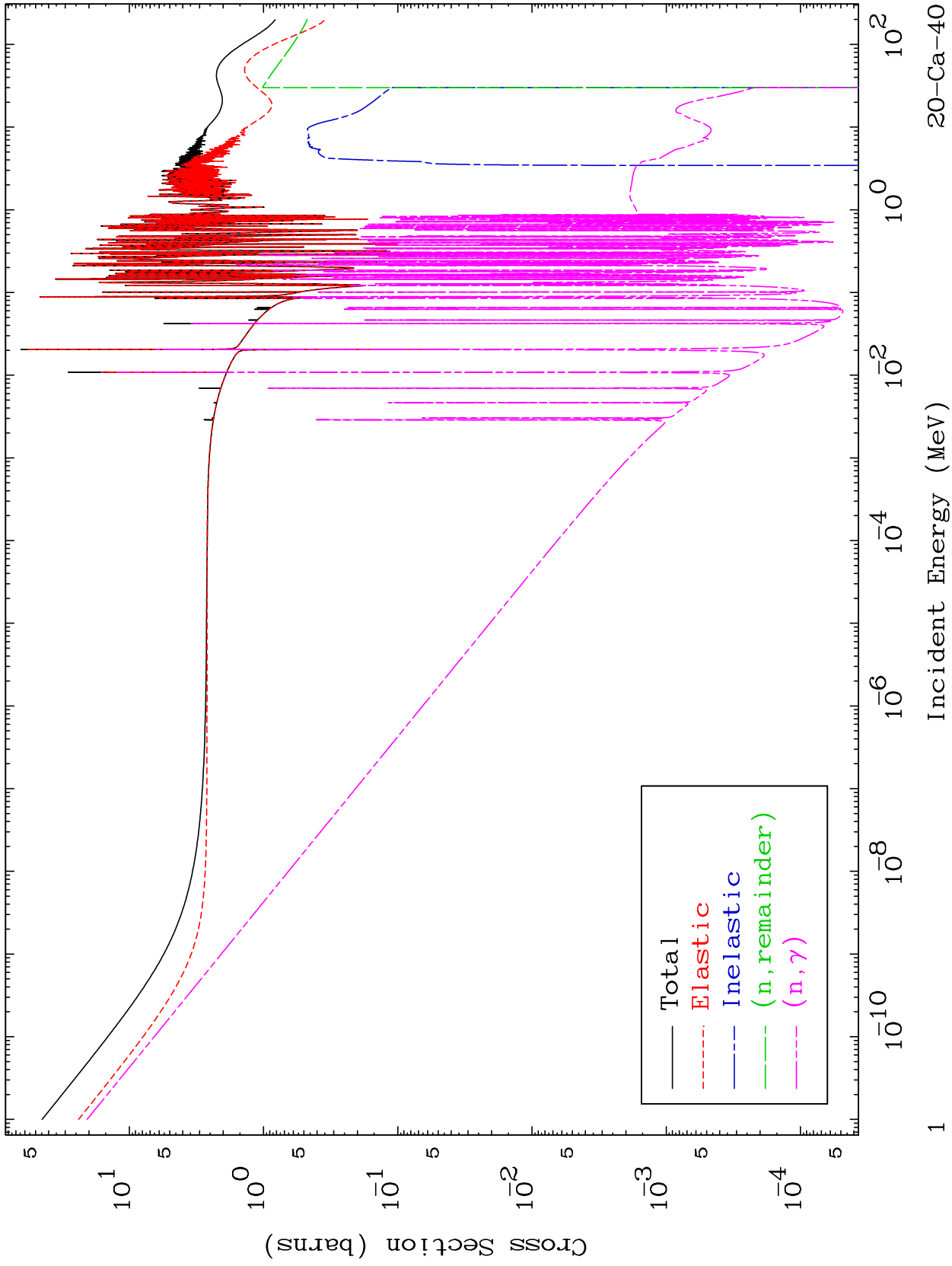
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2025

Major
293 Kelvin Cross Sections

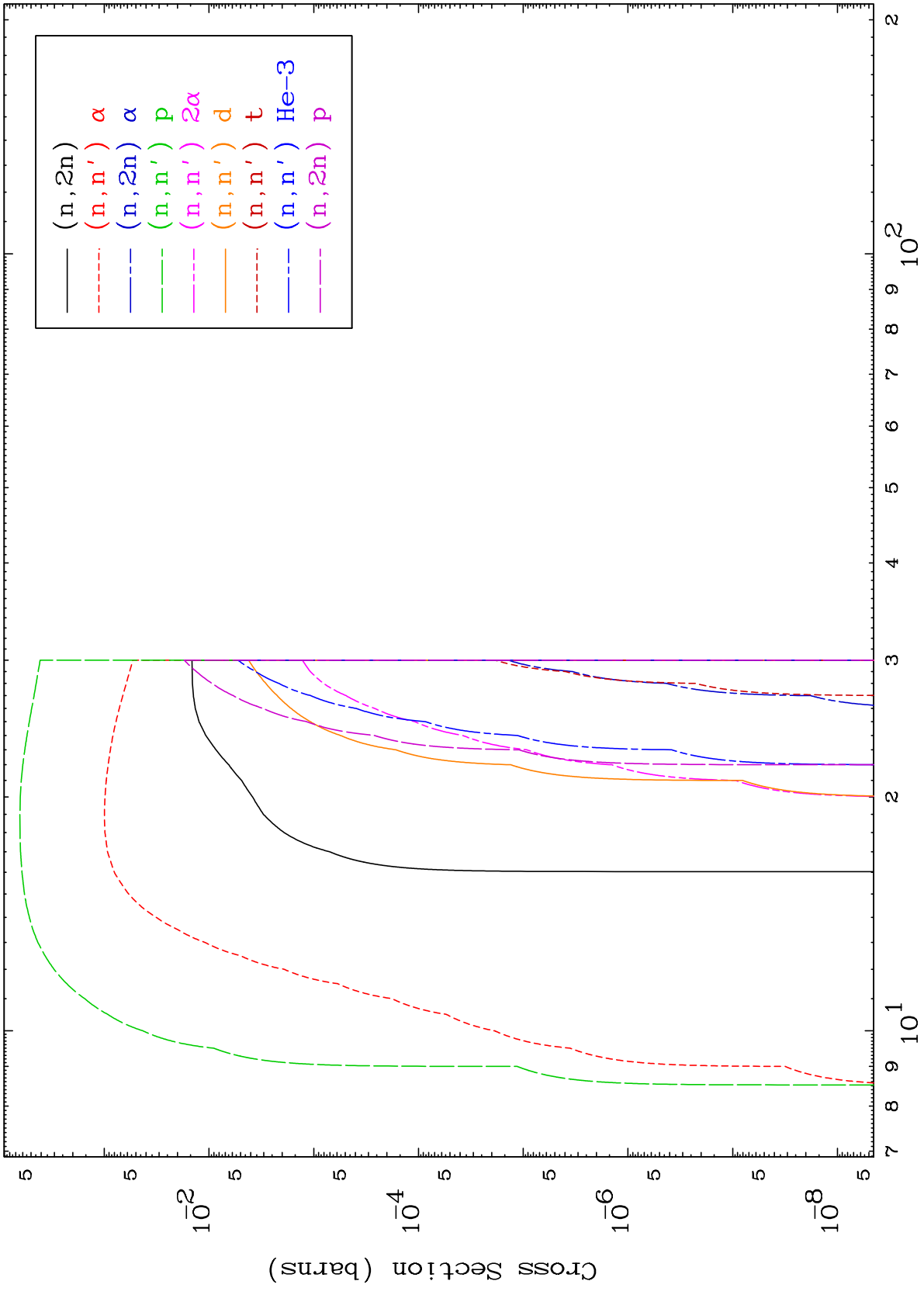
20-Ca-40



MAT 2025

Neutron Production 293 Kelvin Cross Sections

20-Ca-40



2

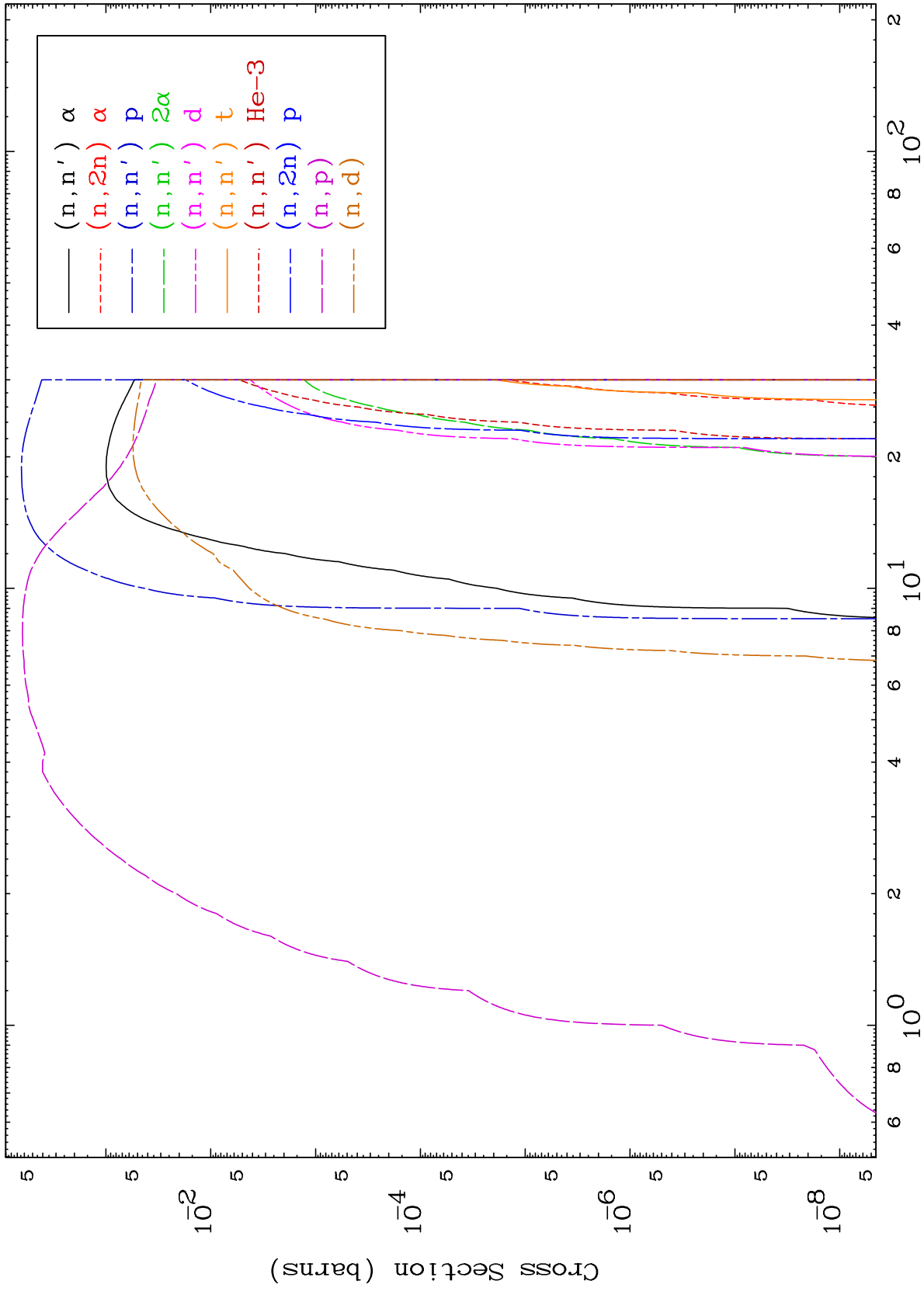
Incident Energy (MeV)

20-Ca-40

MAT 2025

Charged Particle
293 Kelvin Cross Sections

20-Ca-40



3

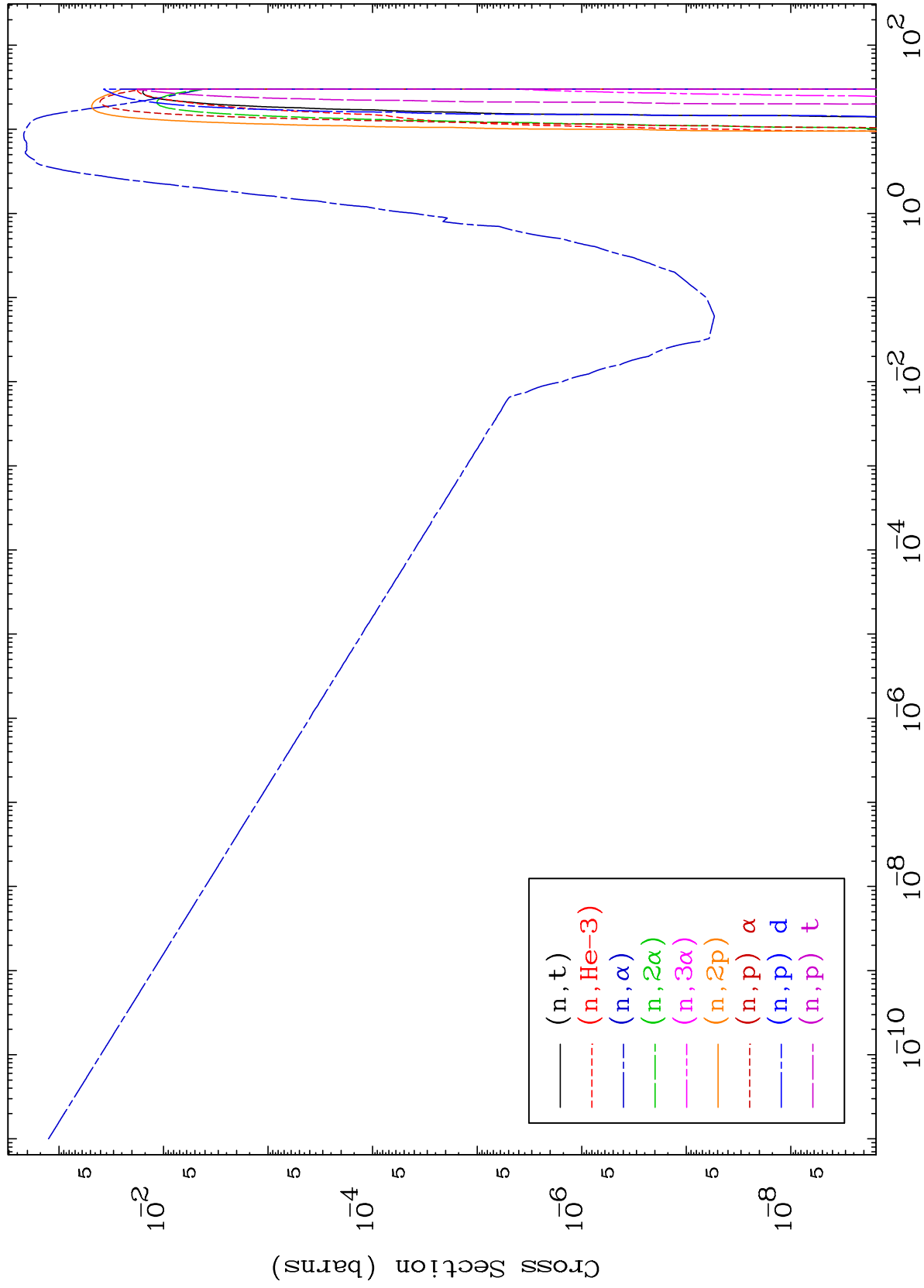
Incident Energy (MeV)

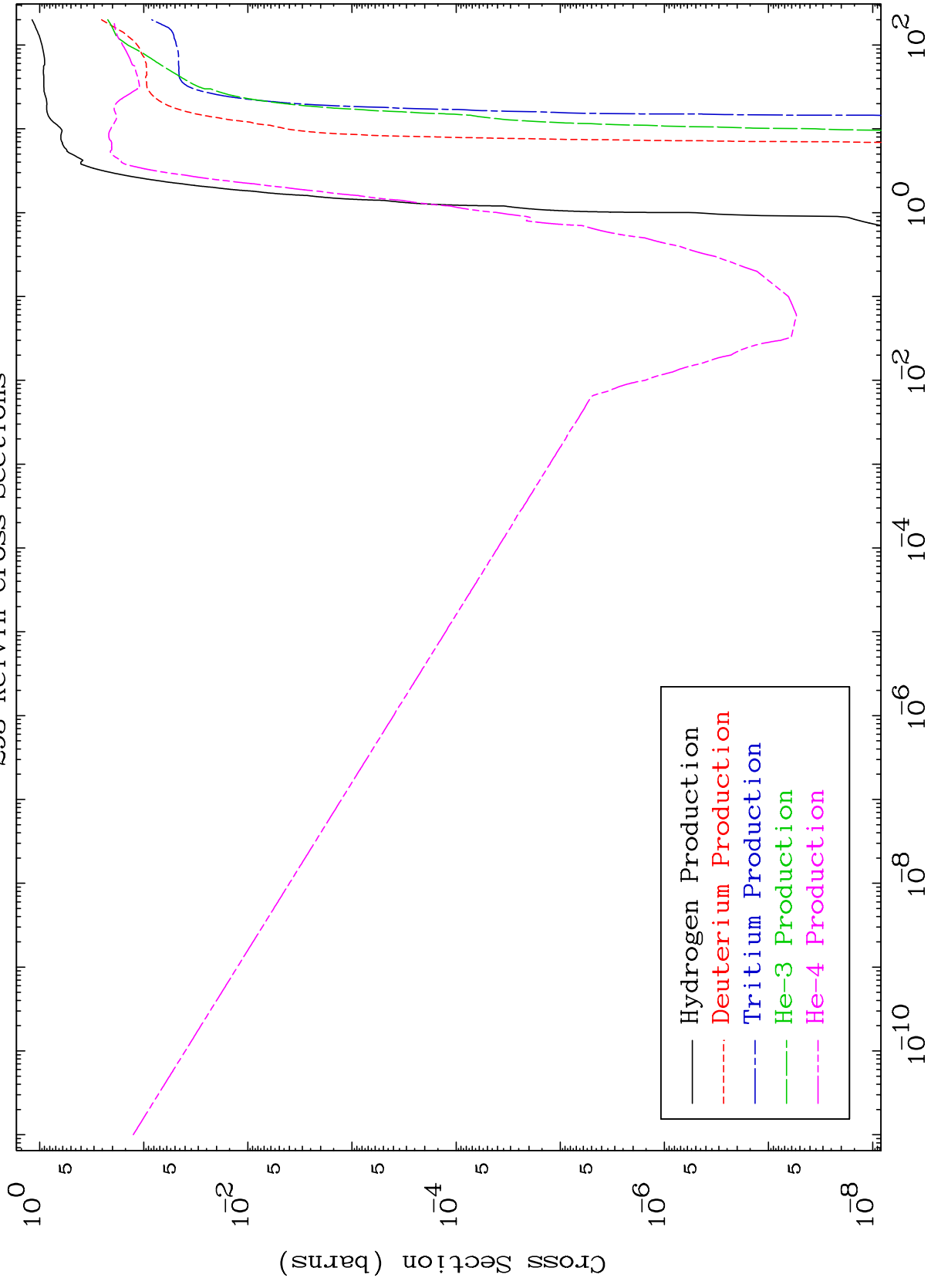
20-Ca-40

MAT 2025

293 Kelvin Cross Sections

20-Ca-40

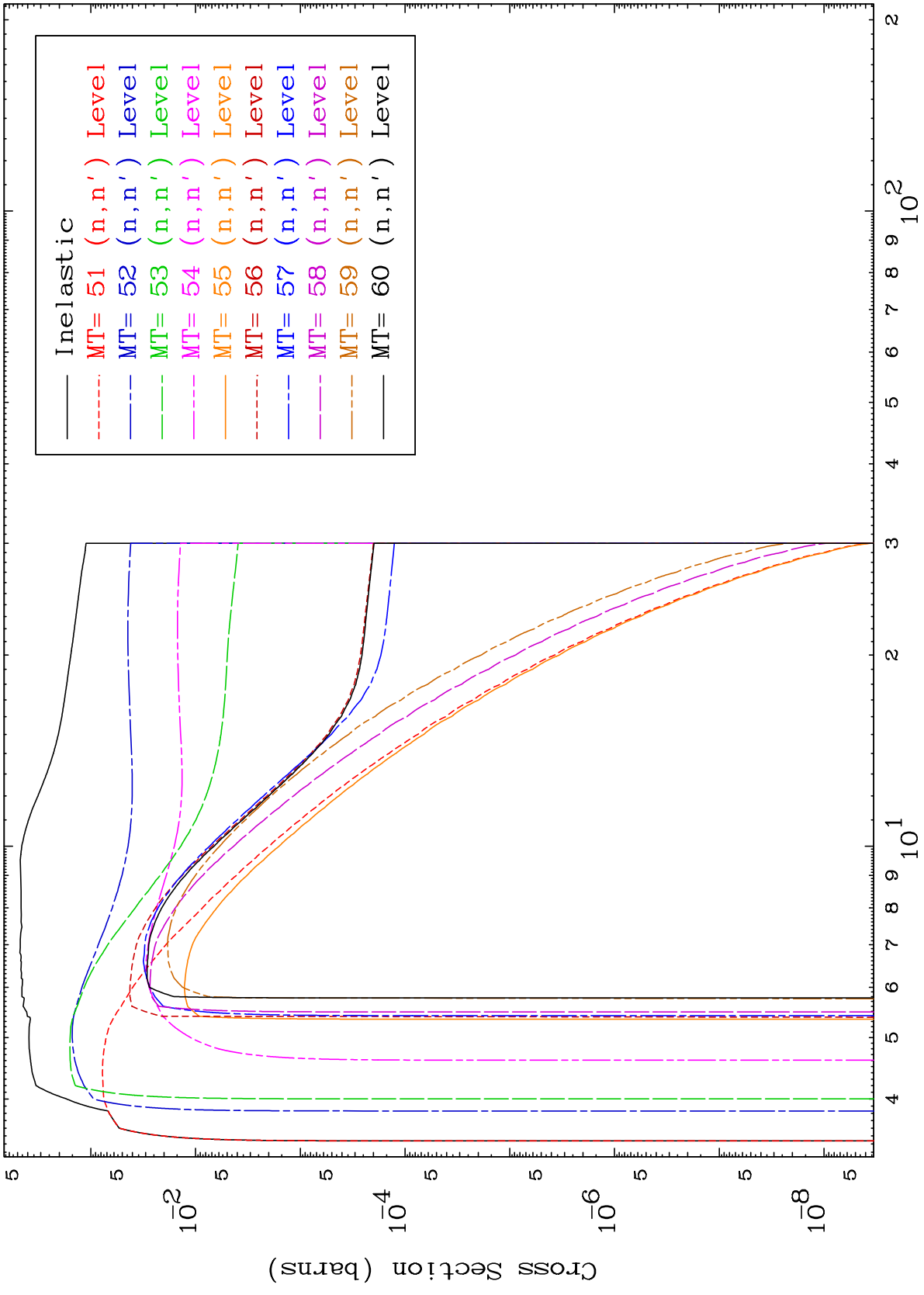




MAT 2025

(n,n') Level
293 Kelvin Cross Sections

20-Ca-40



6

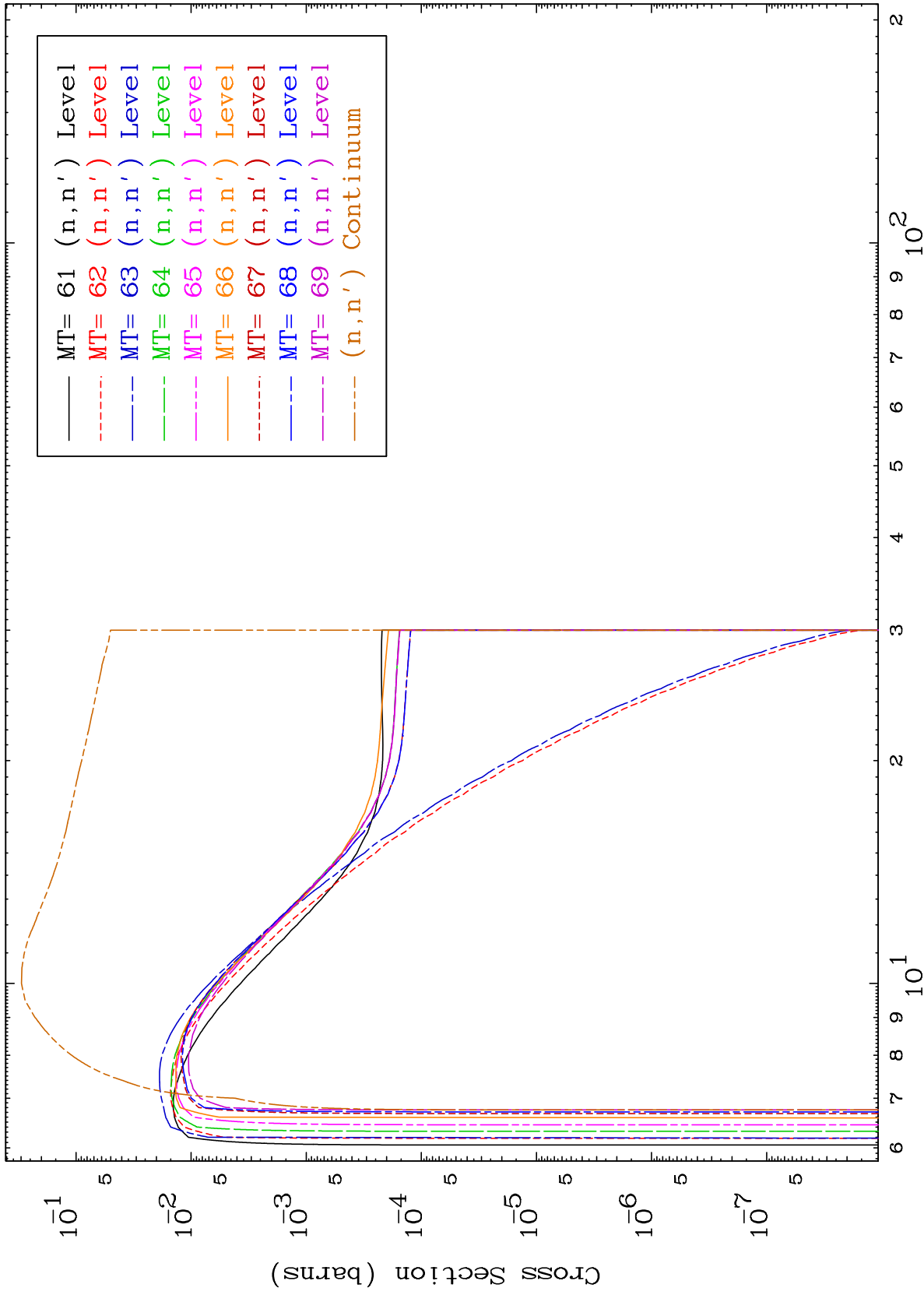
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n, n') Level
293 Kelvin Cross Sections

20-Ca-40



7

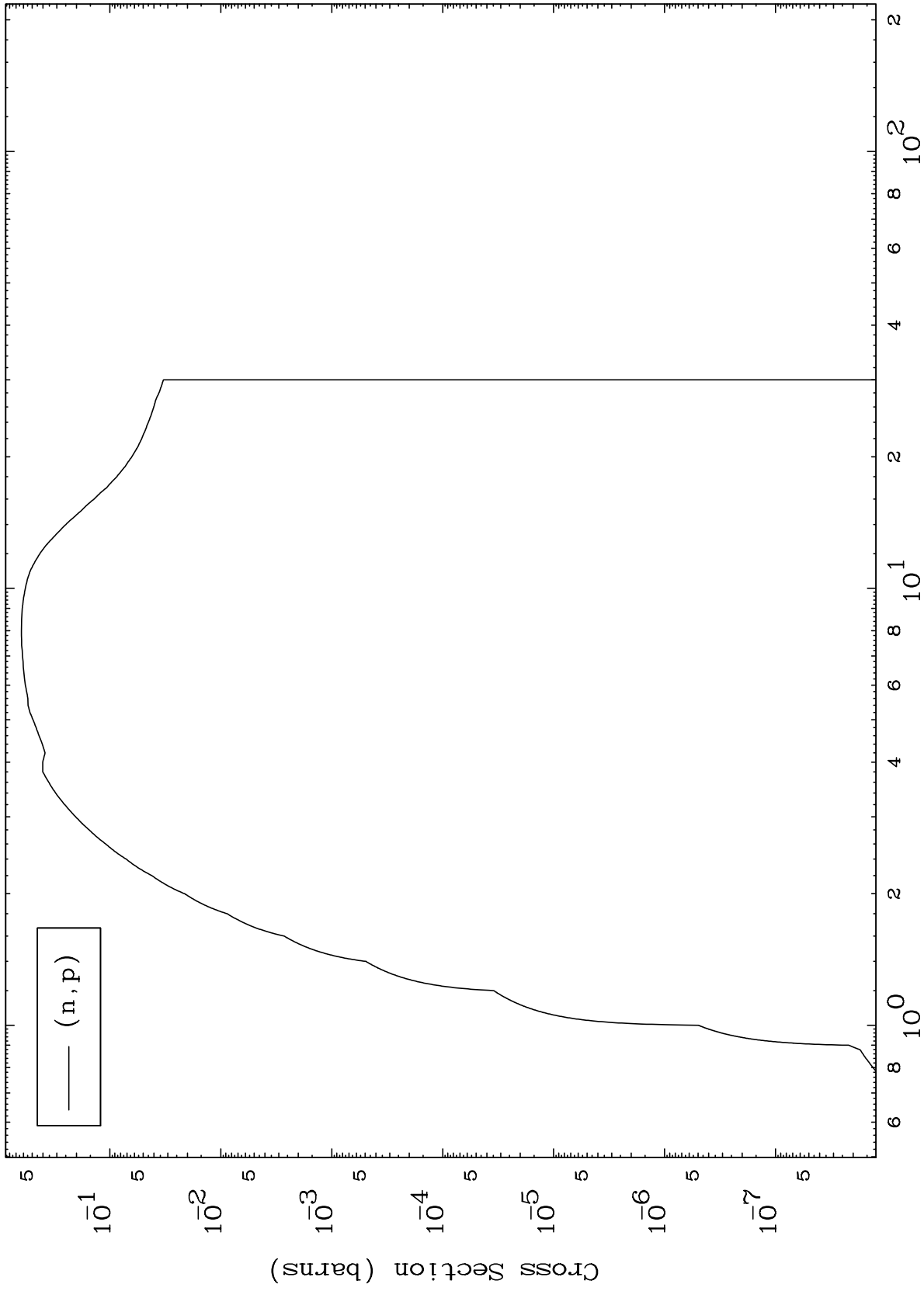
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n,p) Levels
293 Kelvin Cross Sections

20-Ca-40



8

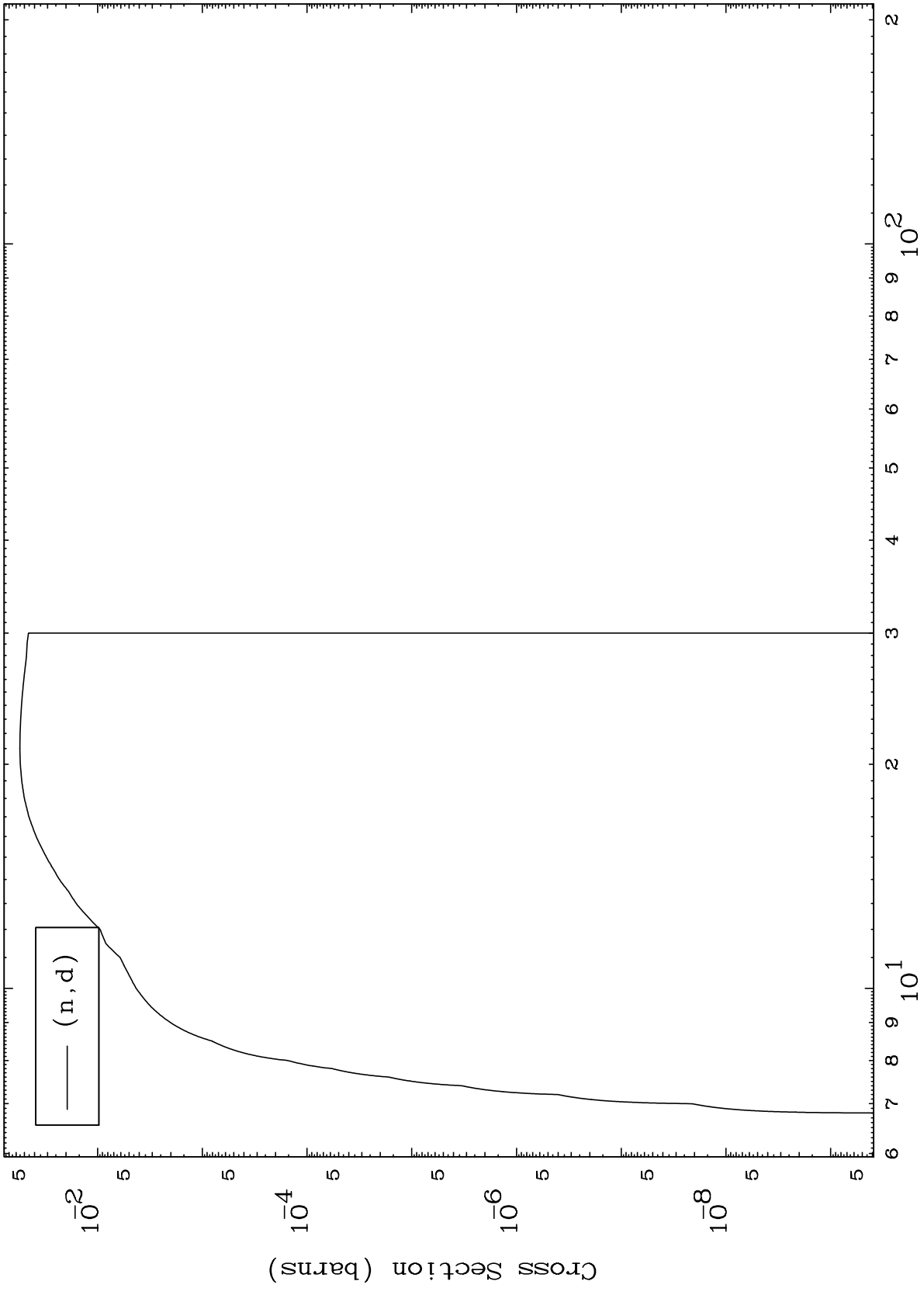
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n,d) Levels
293 Kelvin Cross Sections

20-Ca-40



9

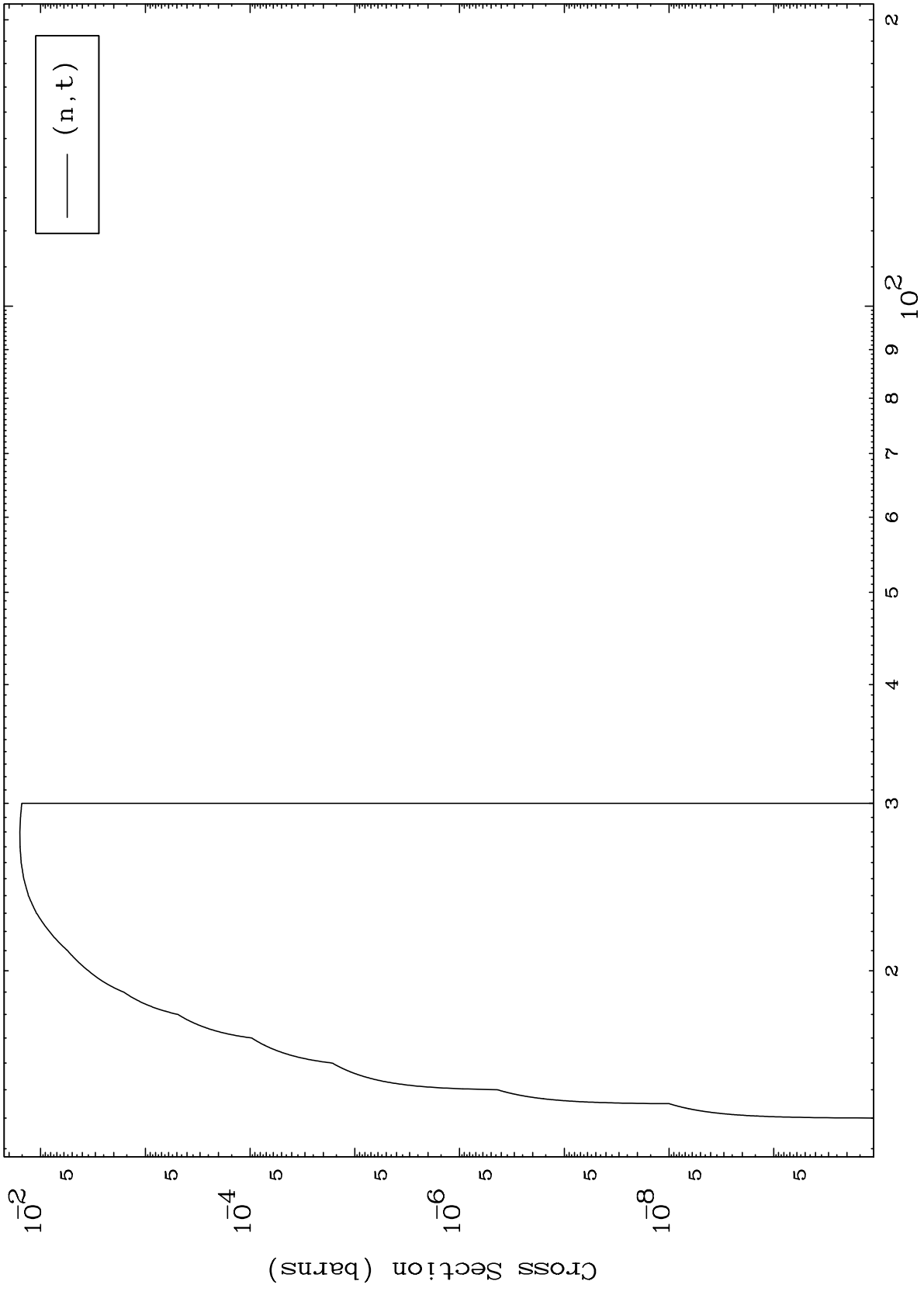
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n,t) Levels
293 Kelvin Cross Sections

20-Ca-40



10

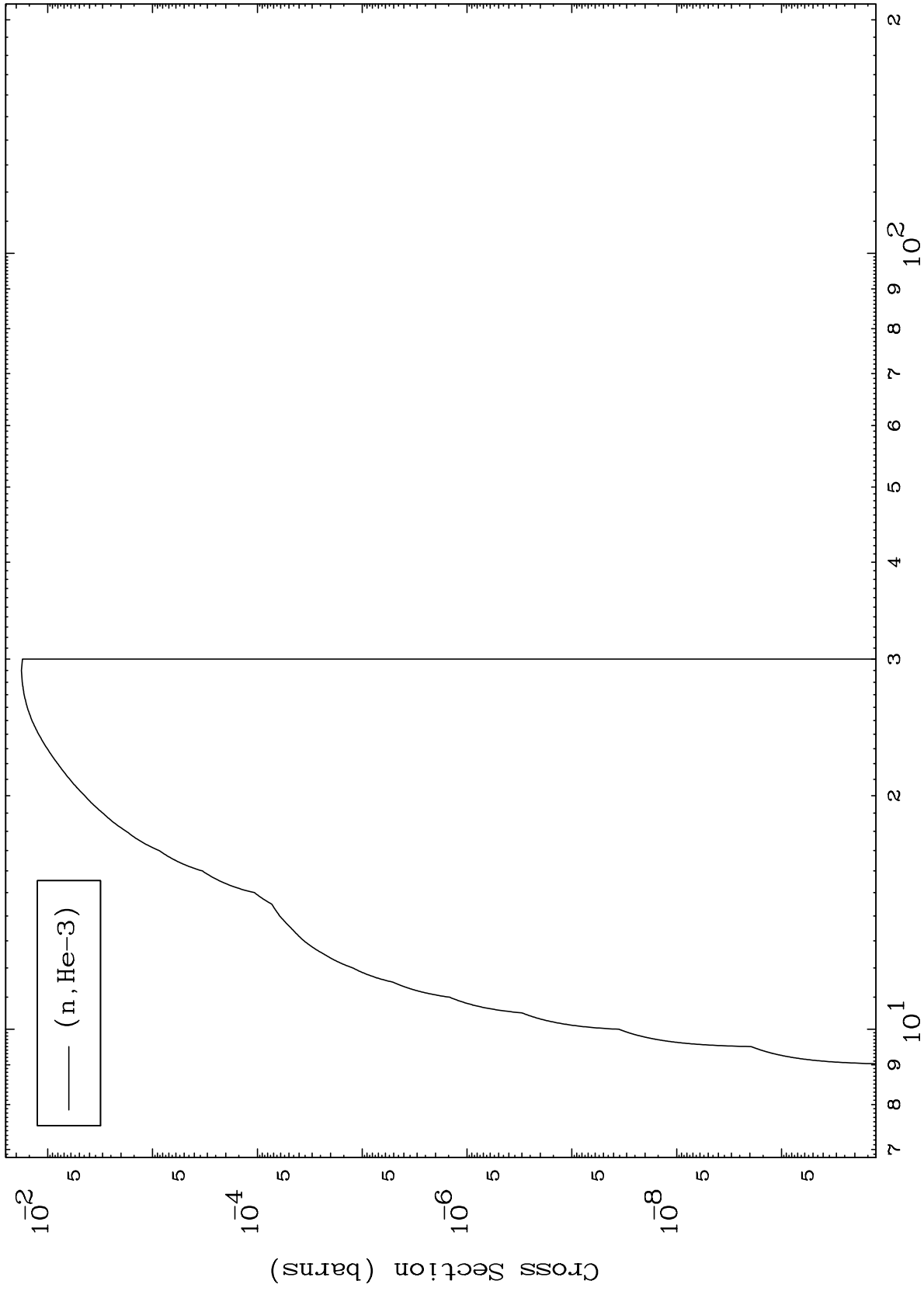
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n,He3) Levels
293 Kelvin Cross Sections

20-Ca-40



11

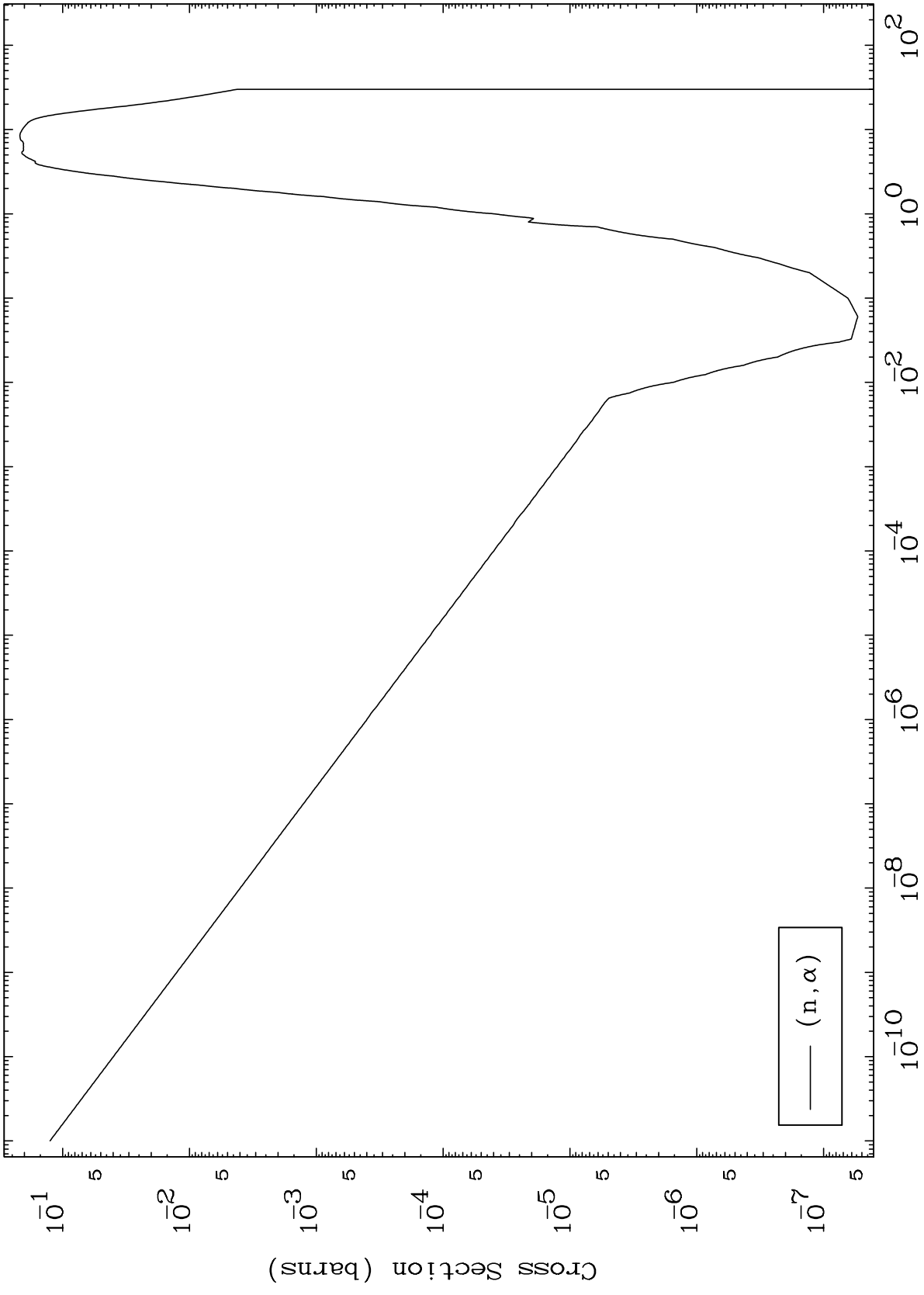
Incident Energy (MeV)

20-Ca-40

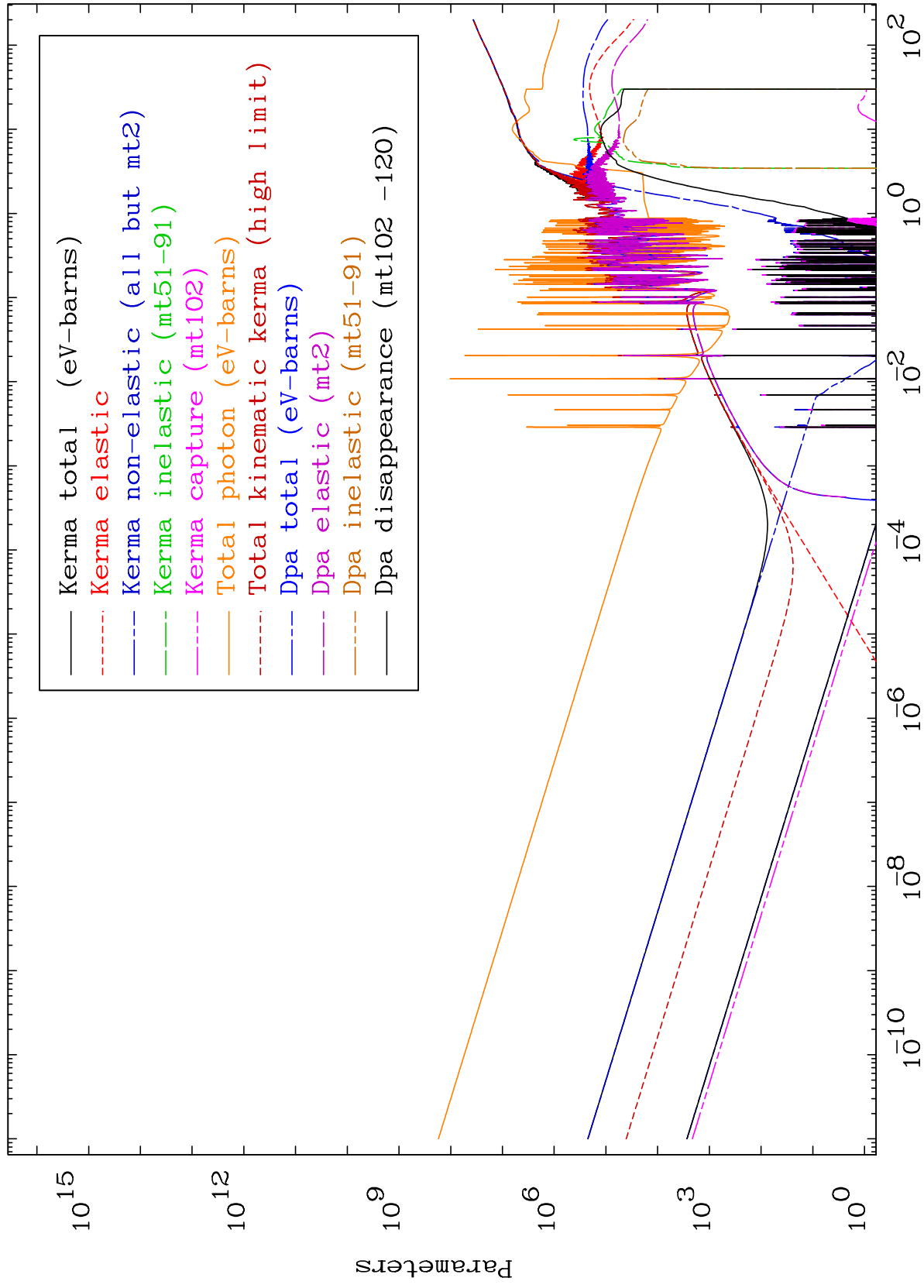
MAT 2025

(n,α) Levels
293 Kelvin Cross Sections

20-Ca-40



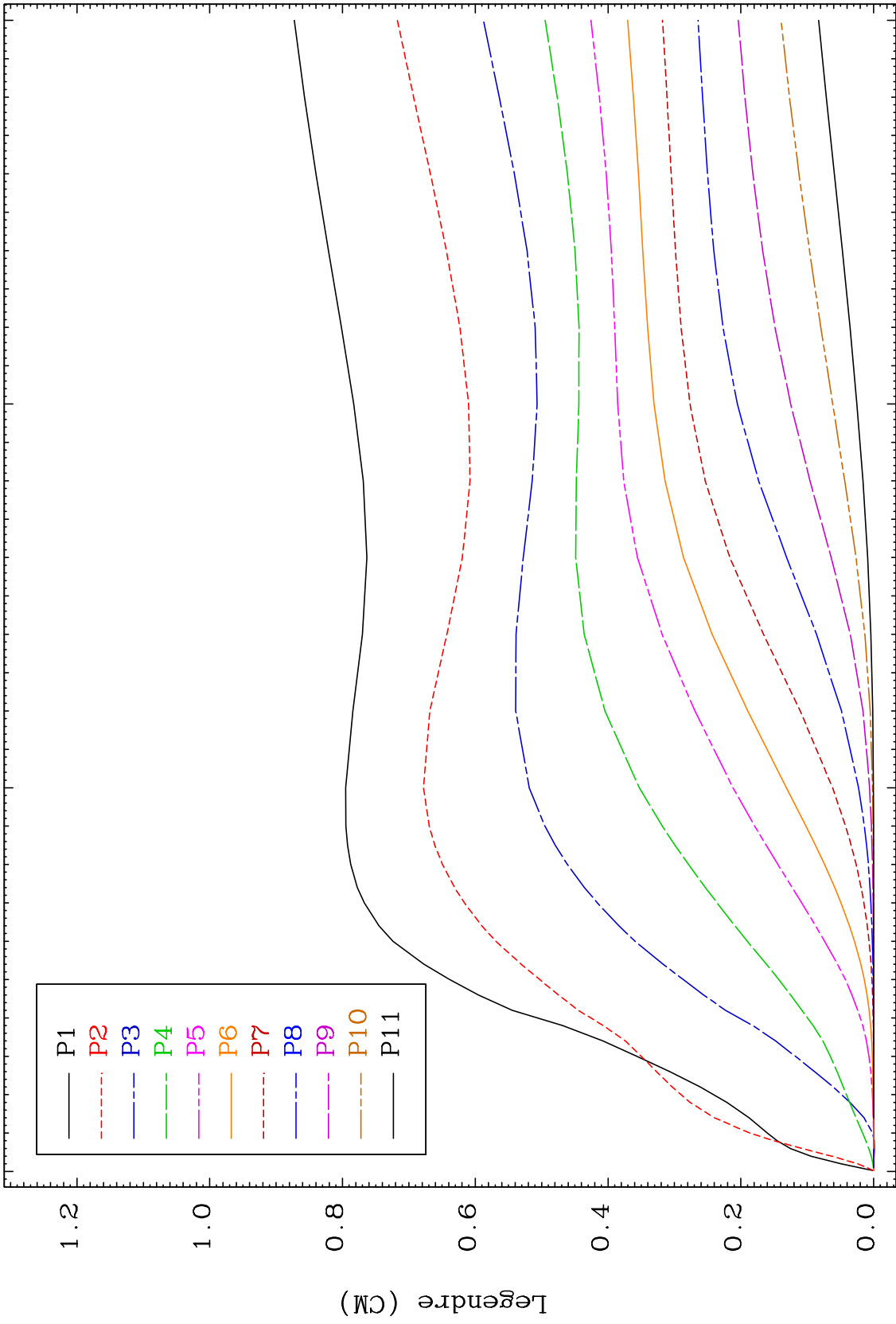
— (n,α)



MAT 2025

Elastic Legendre Coefficients

20-Ca-40



14

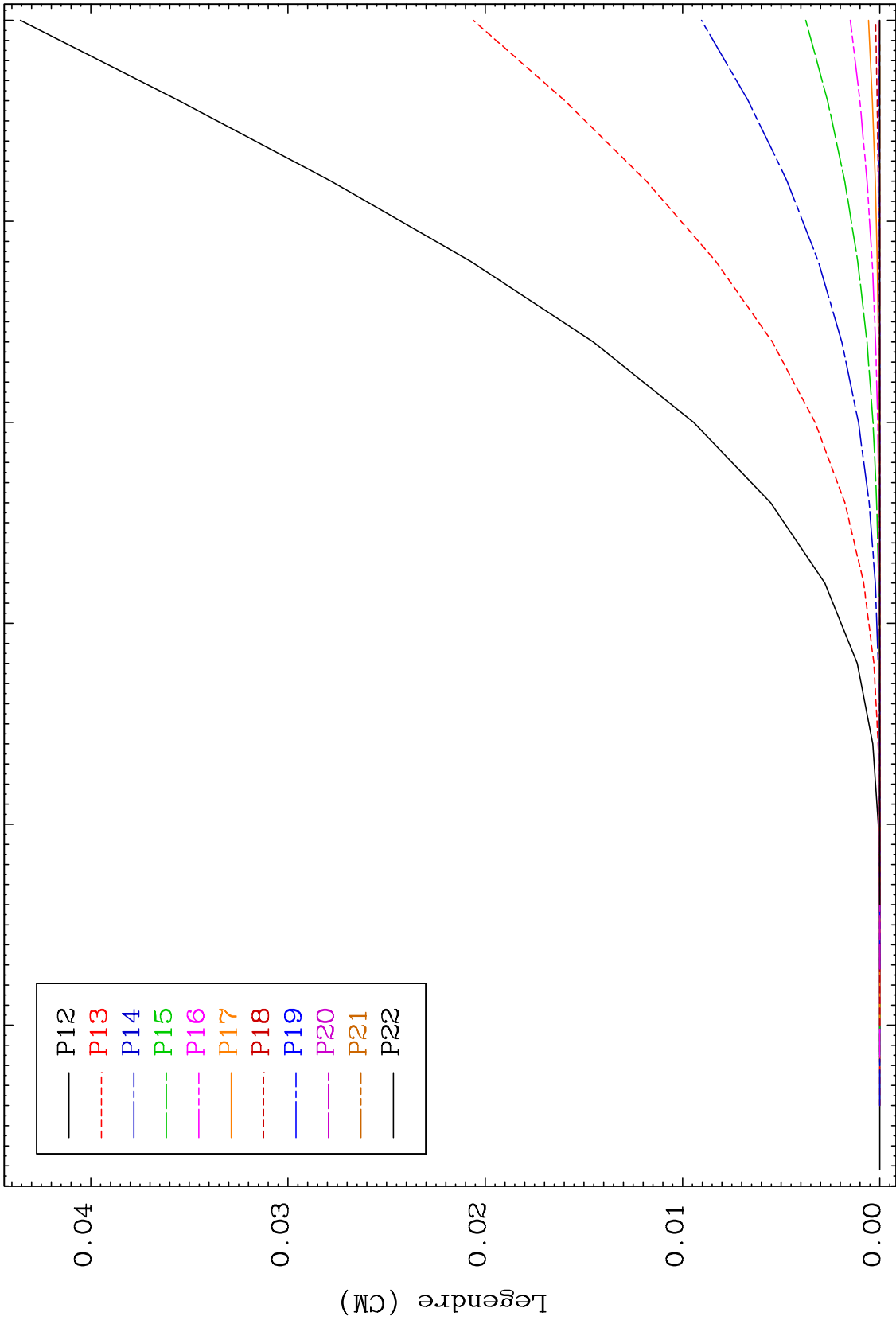
Incident Energy (MeV)

20-Ca-40

MAT 2025

Elastic Legendre Coefficients

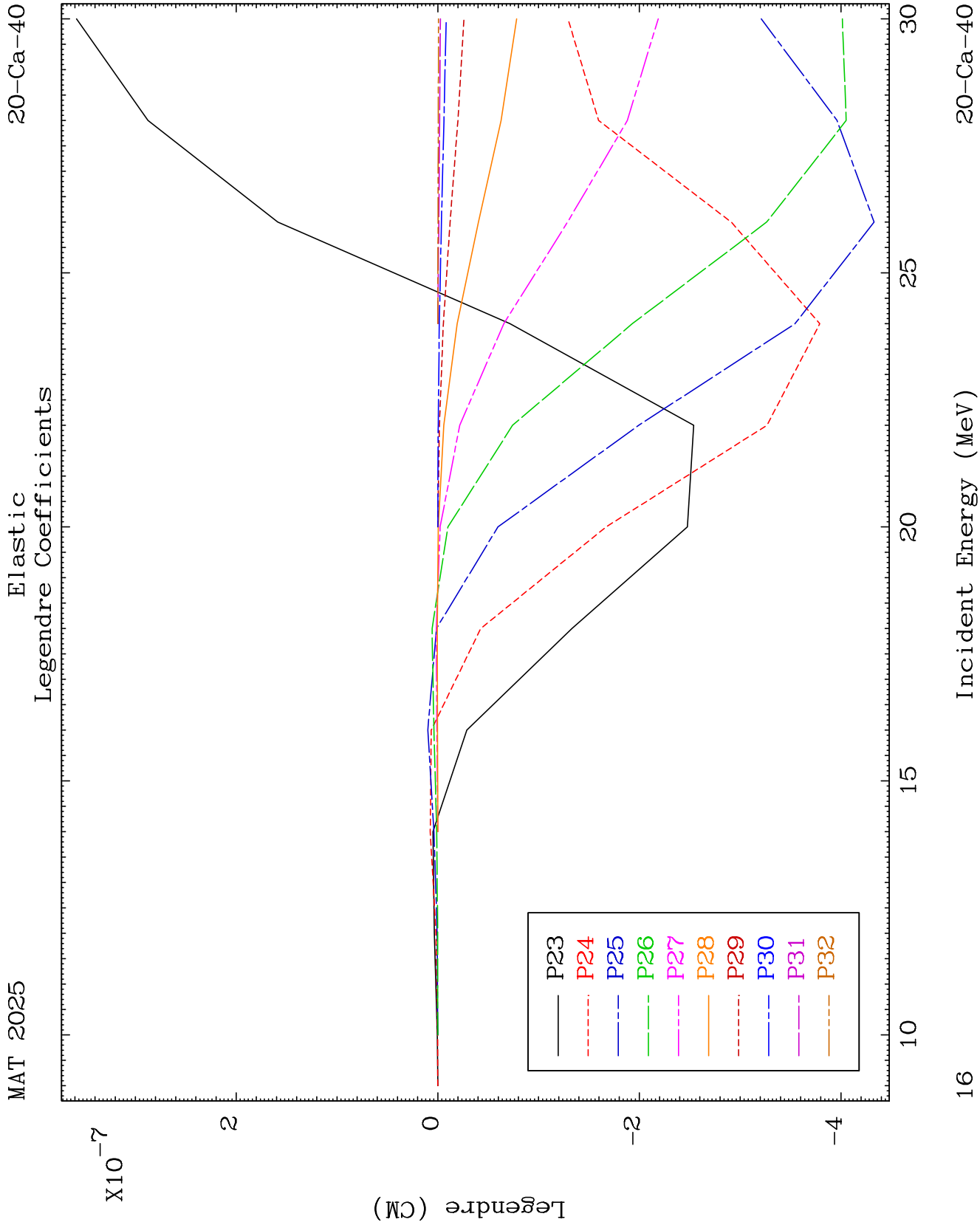
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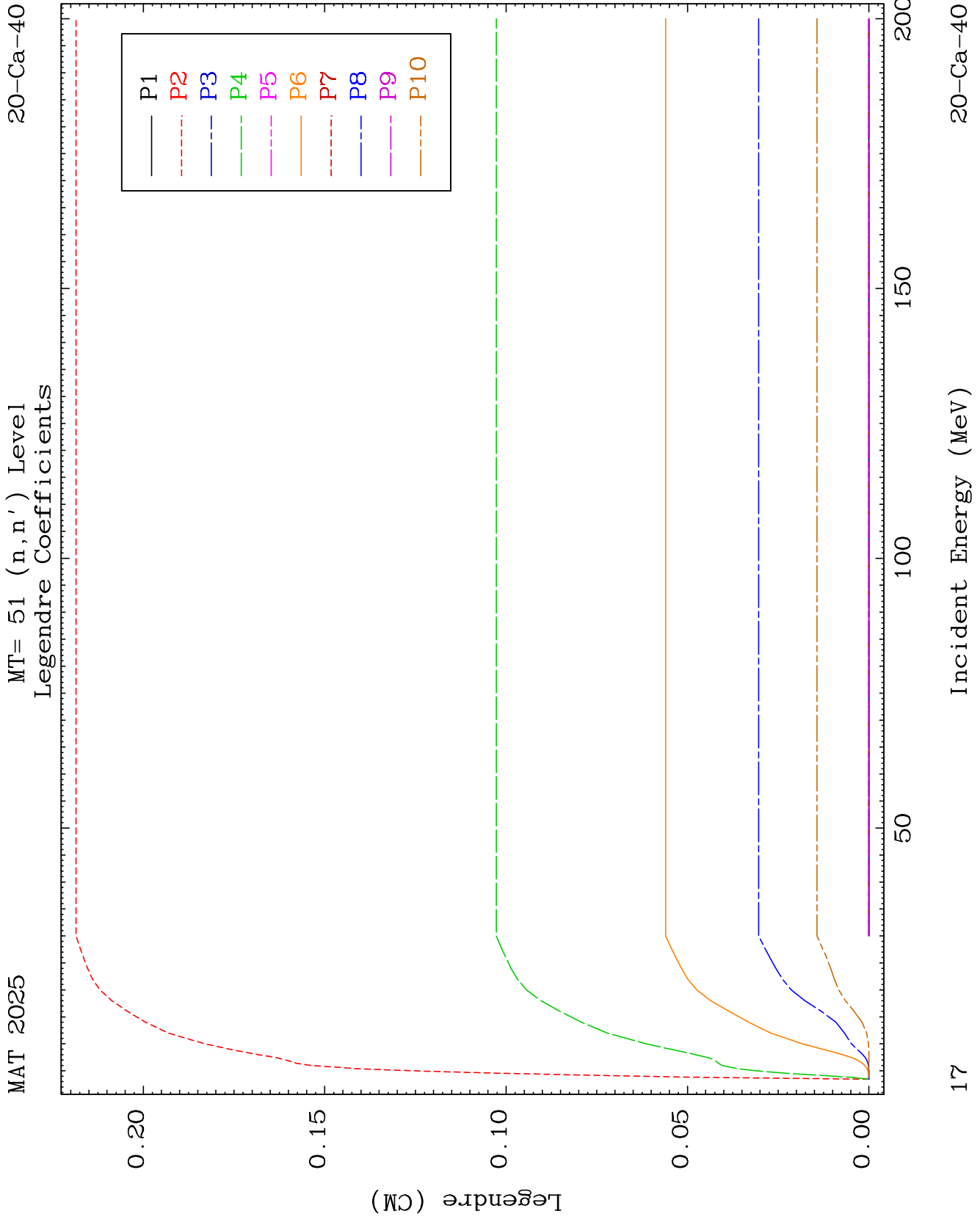


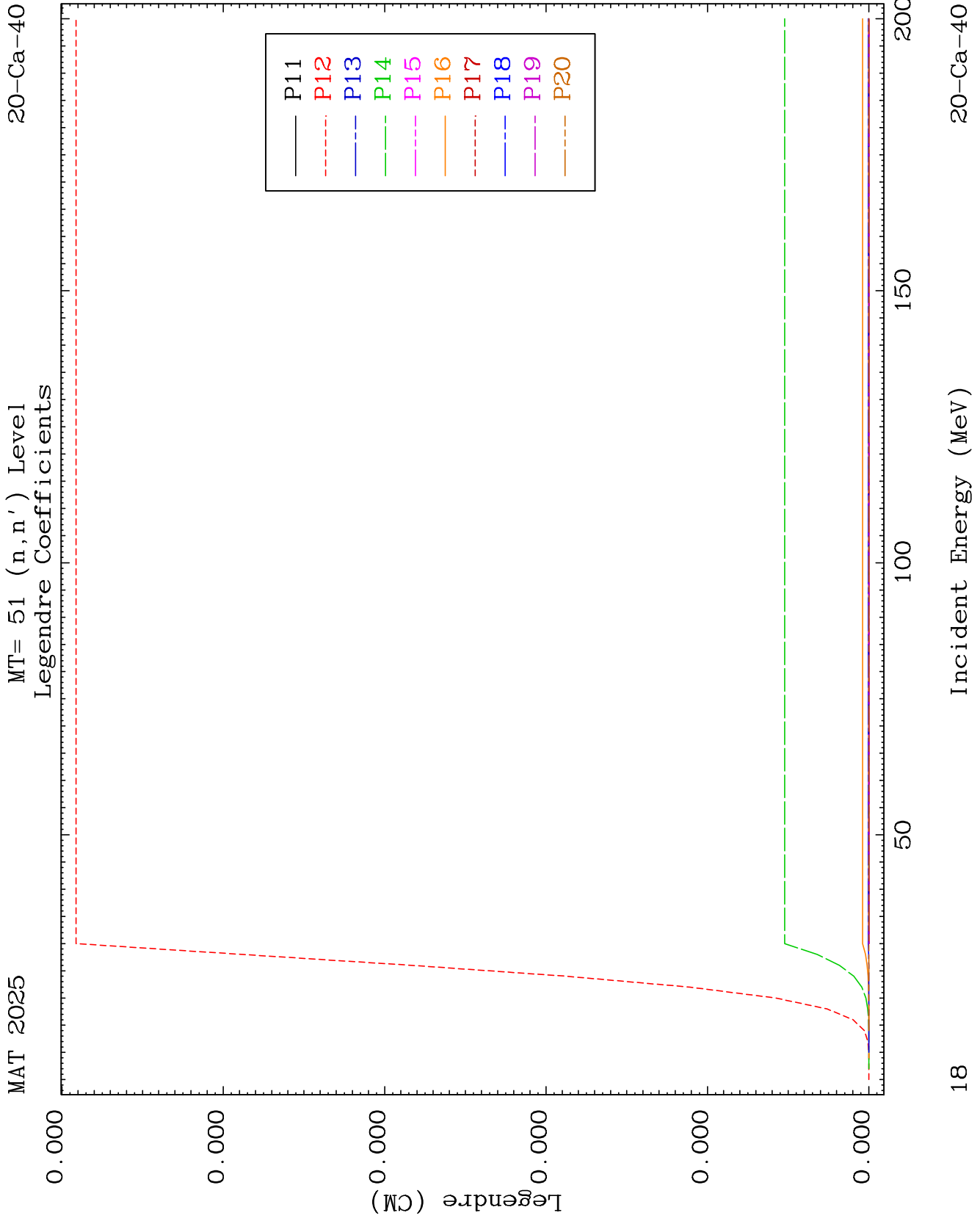
20-Ca-40

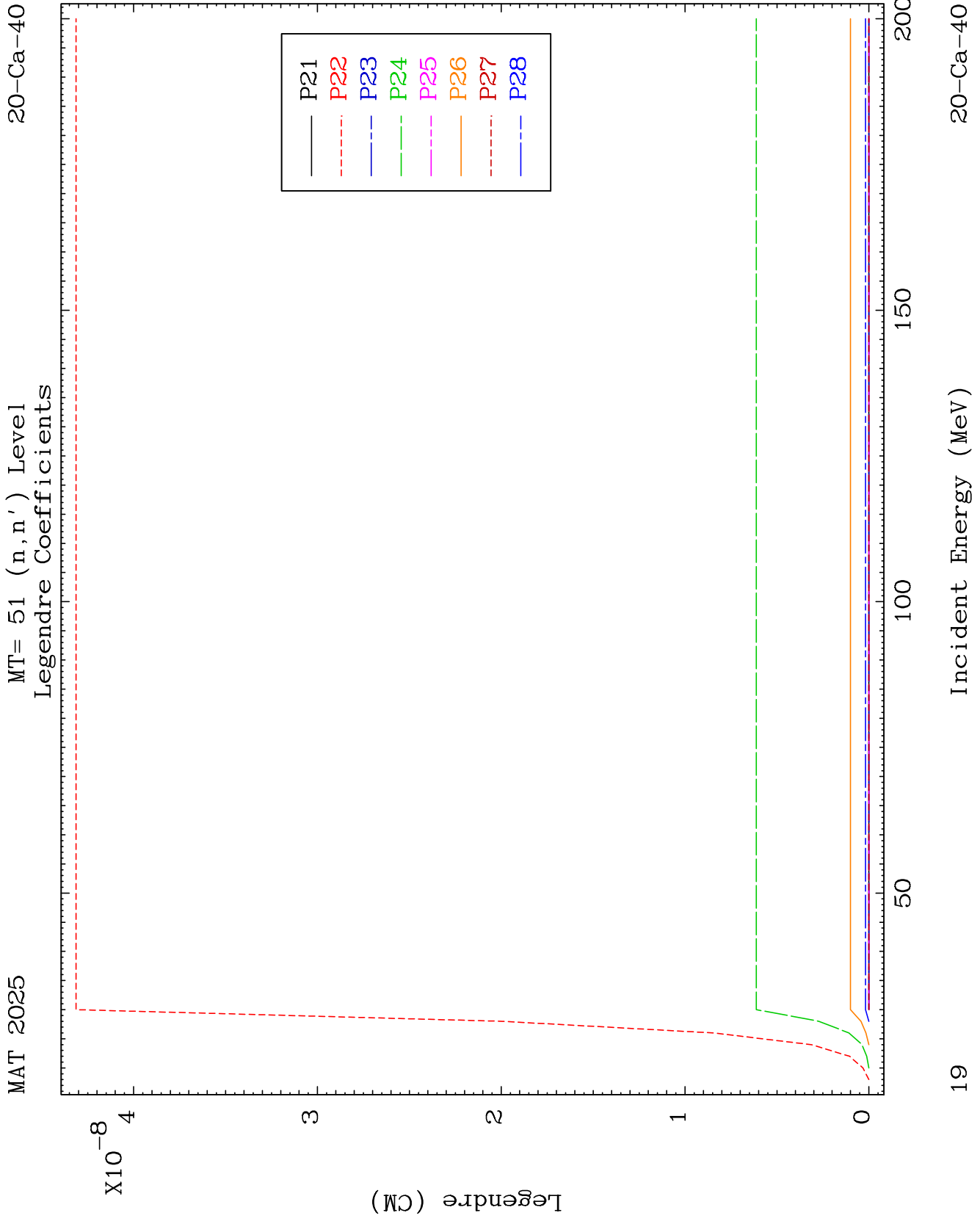
Incident Energy (MeV)

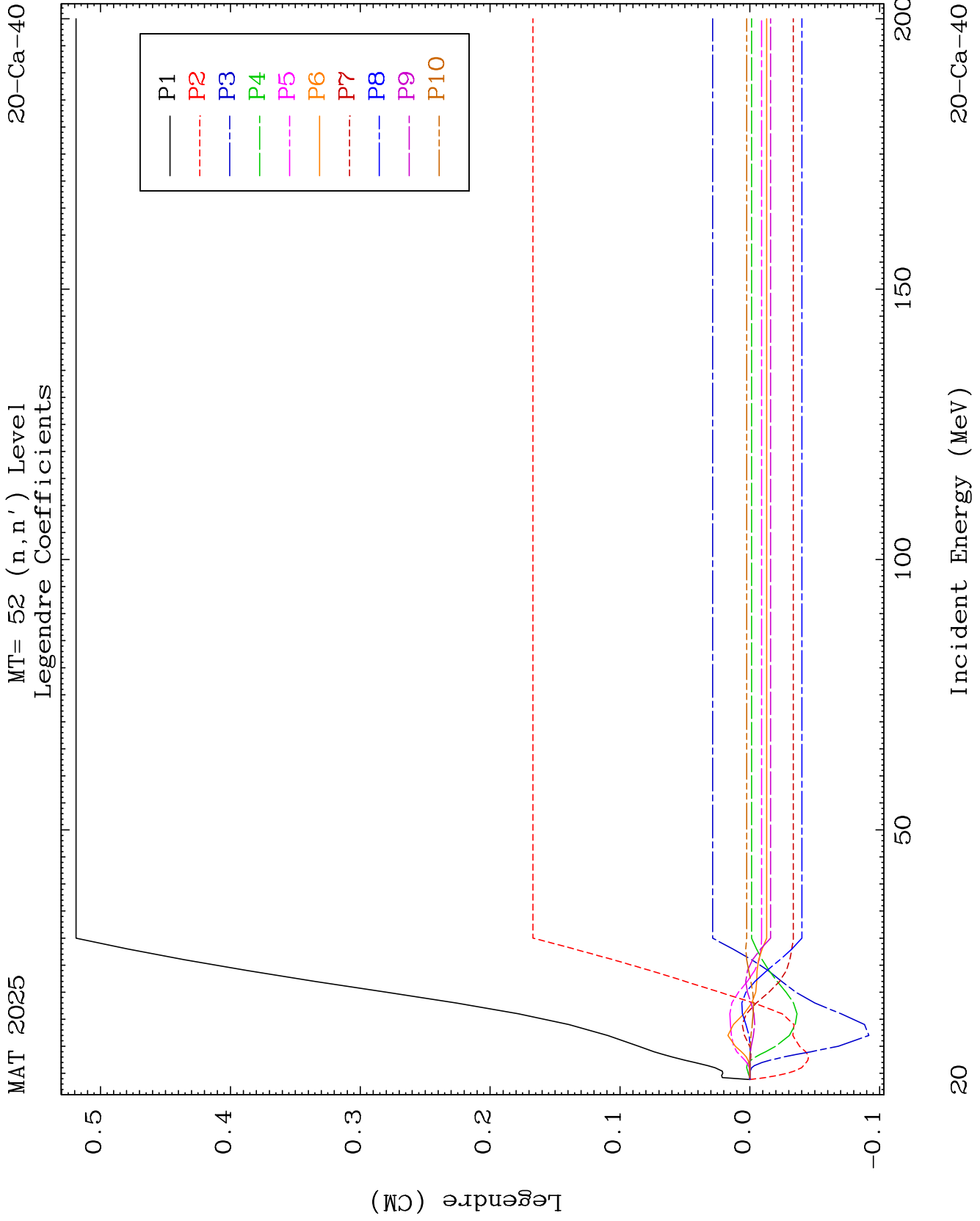
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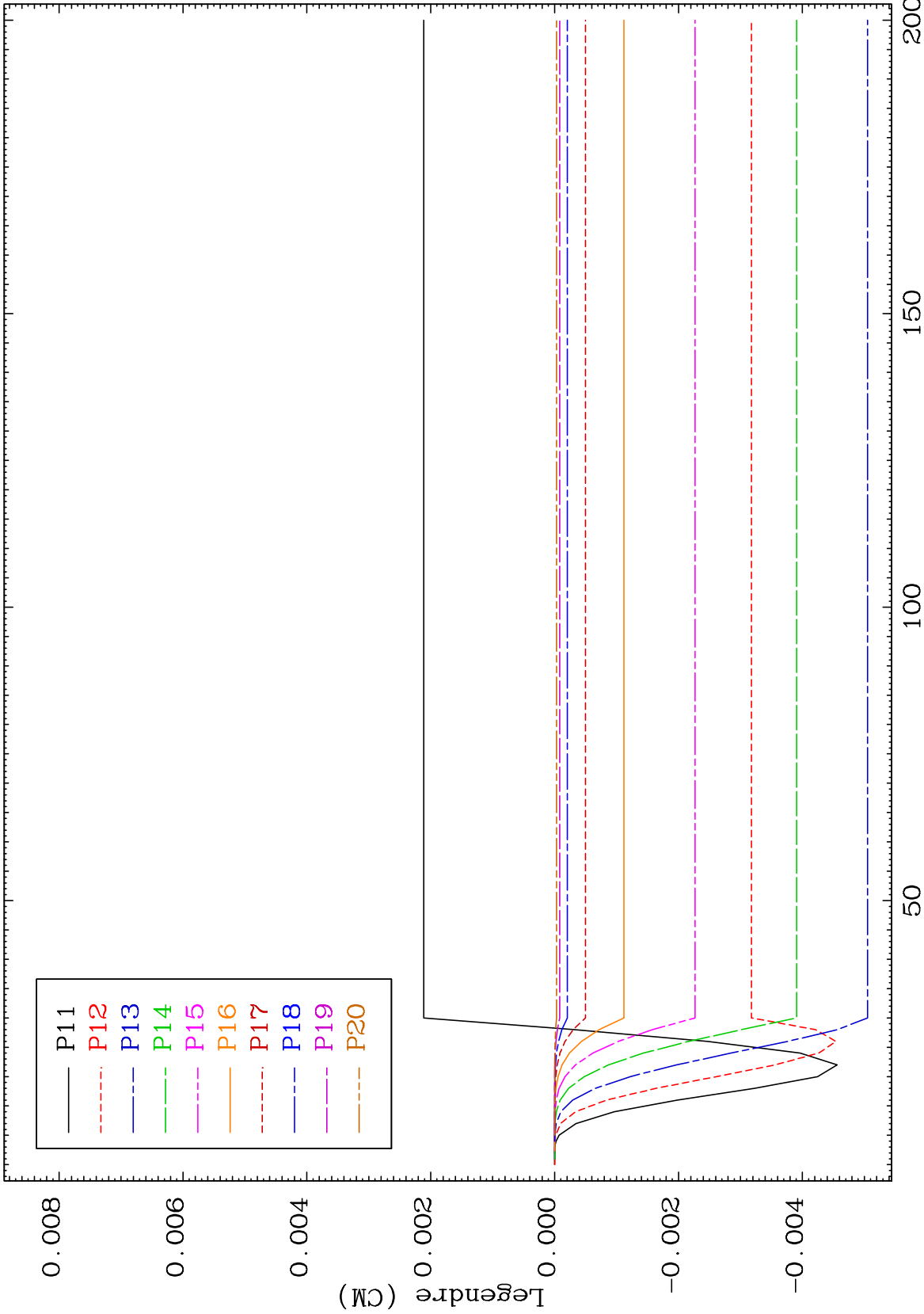


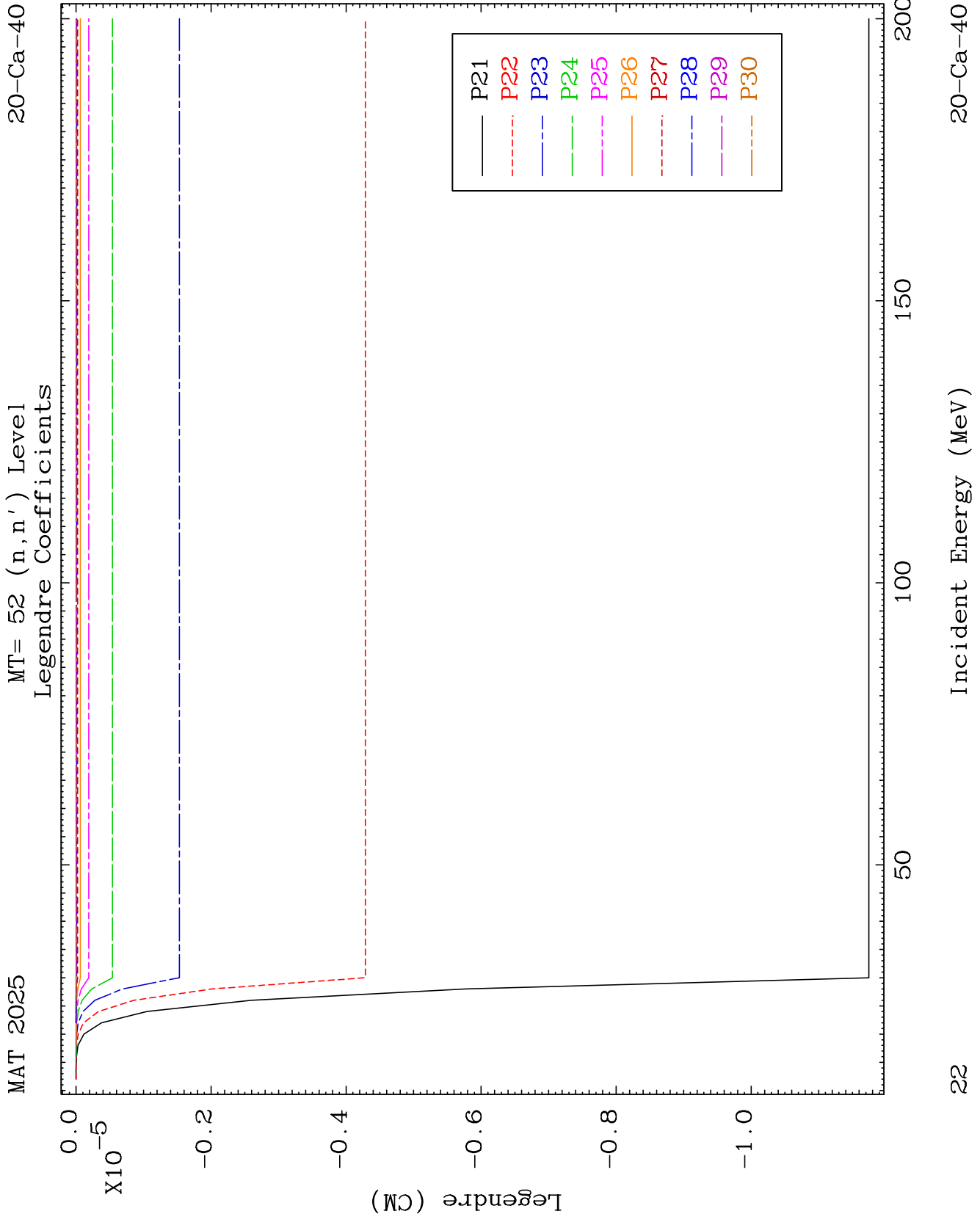


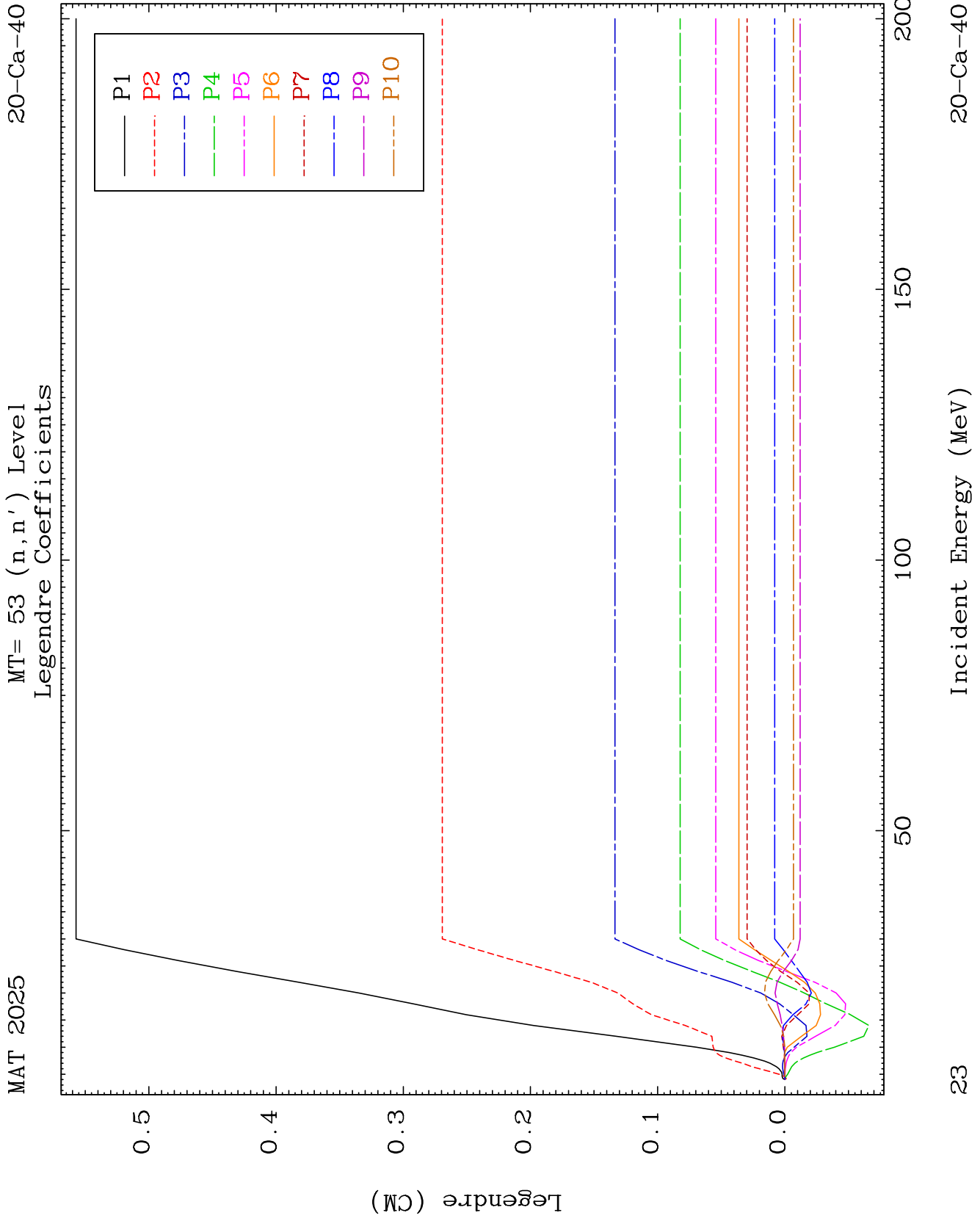
MAT 2025

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

20-Ca-40



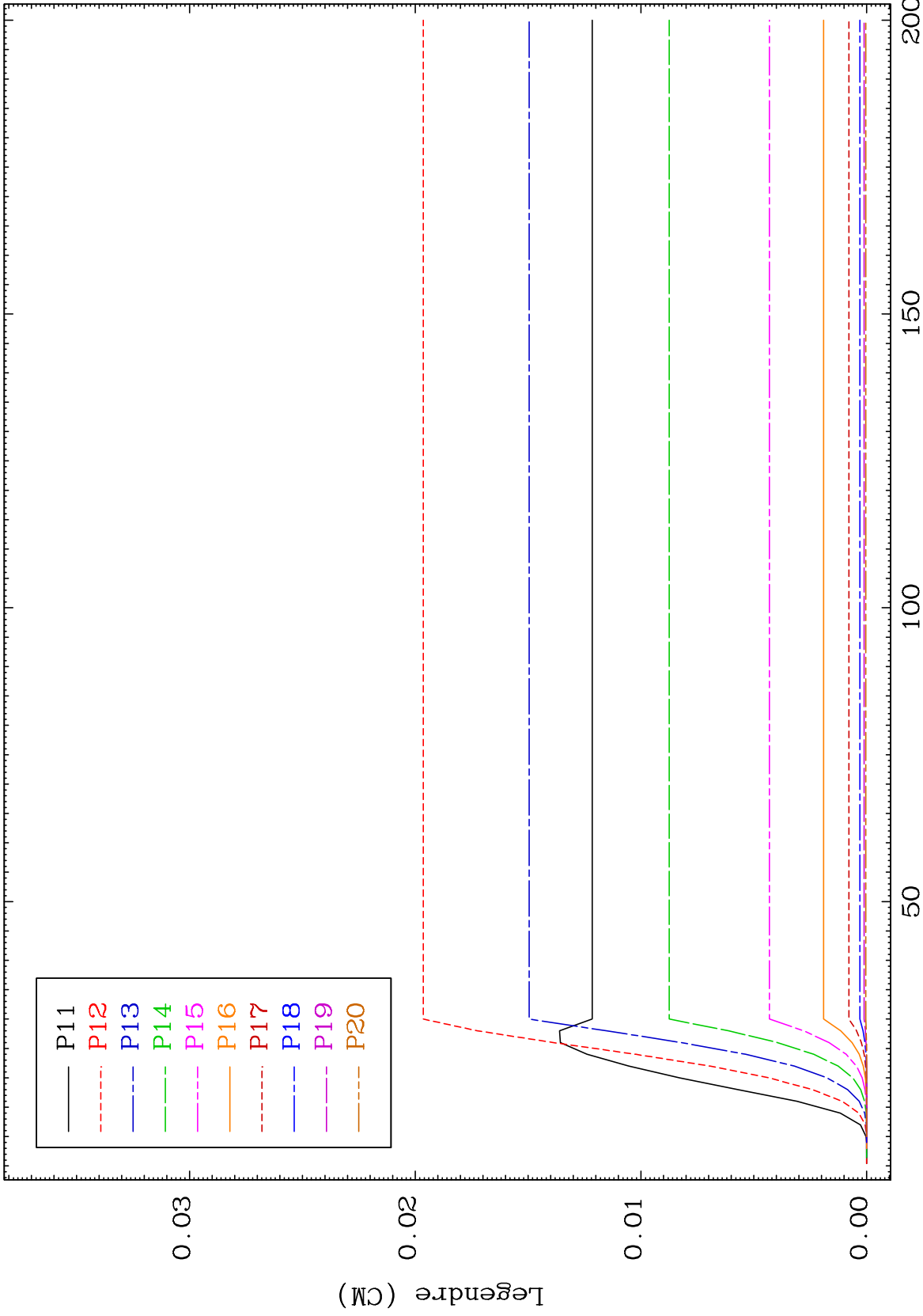




MAT 2025

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

20-Ca-40

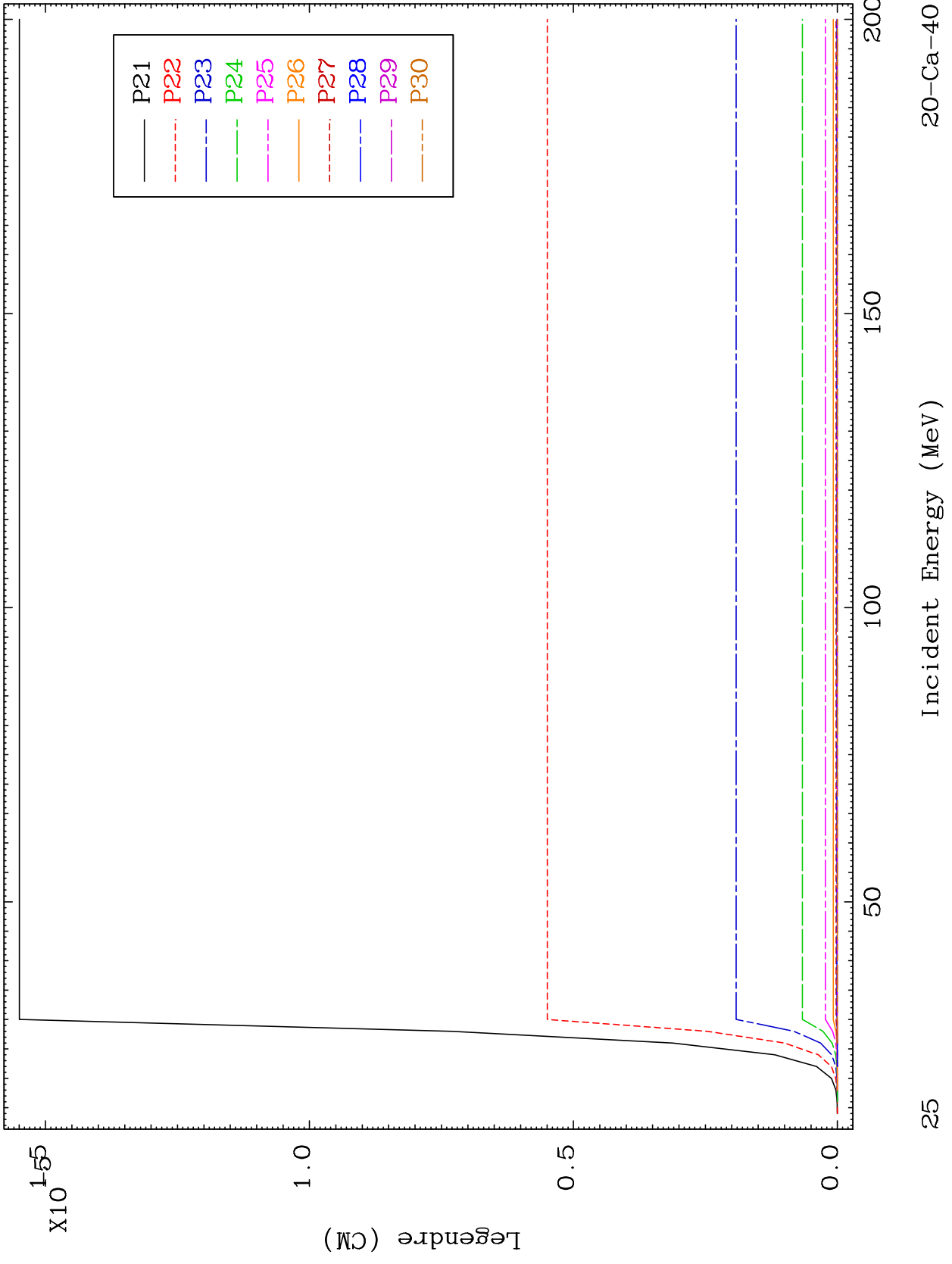


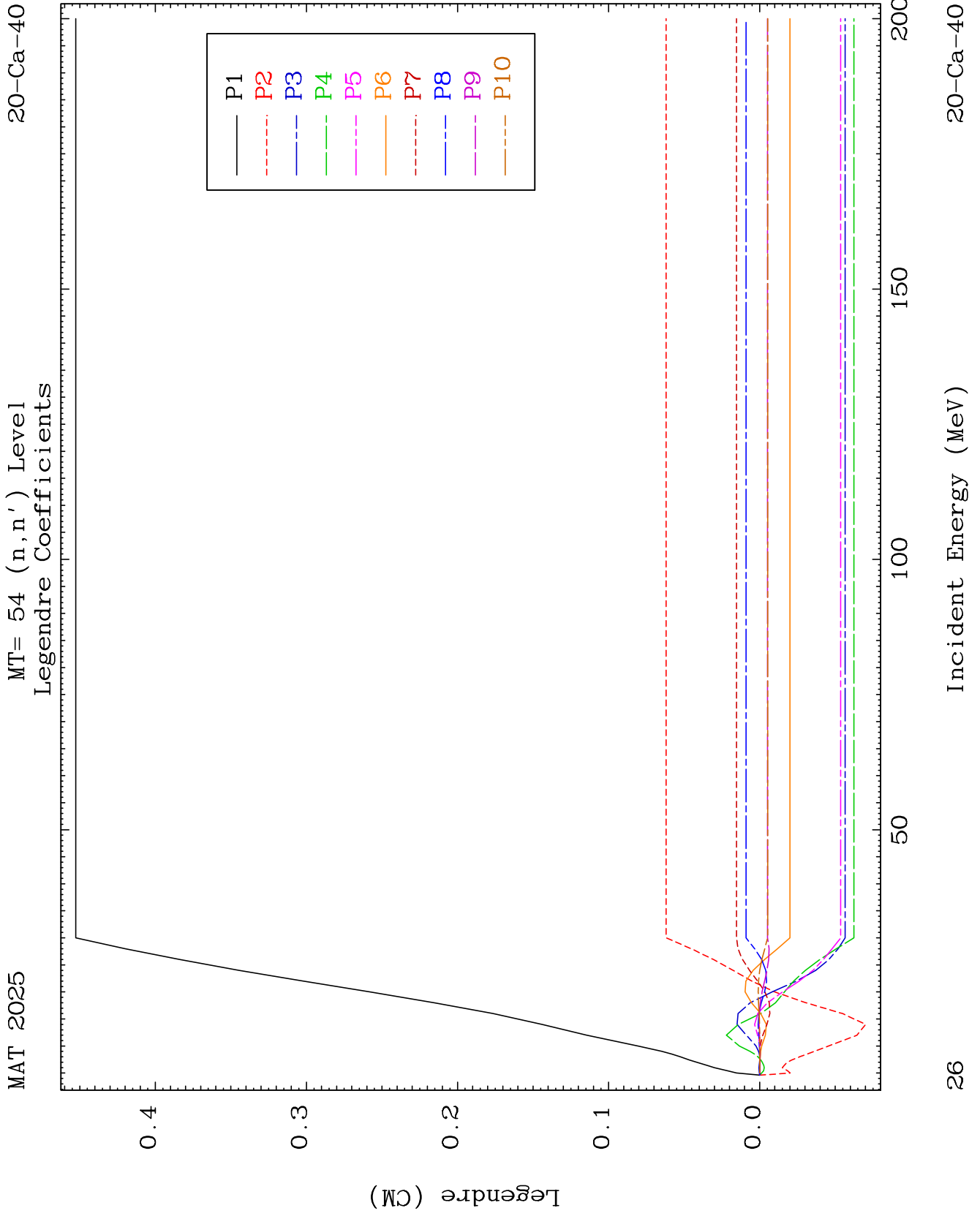
24

Incident Energy (MeV)

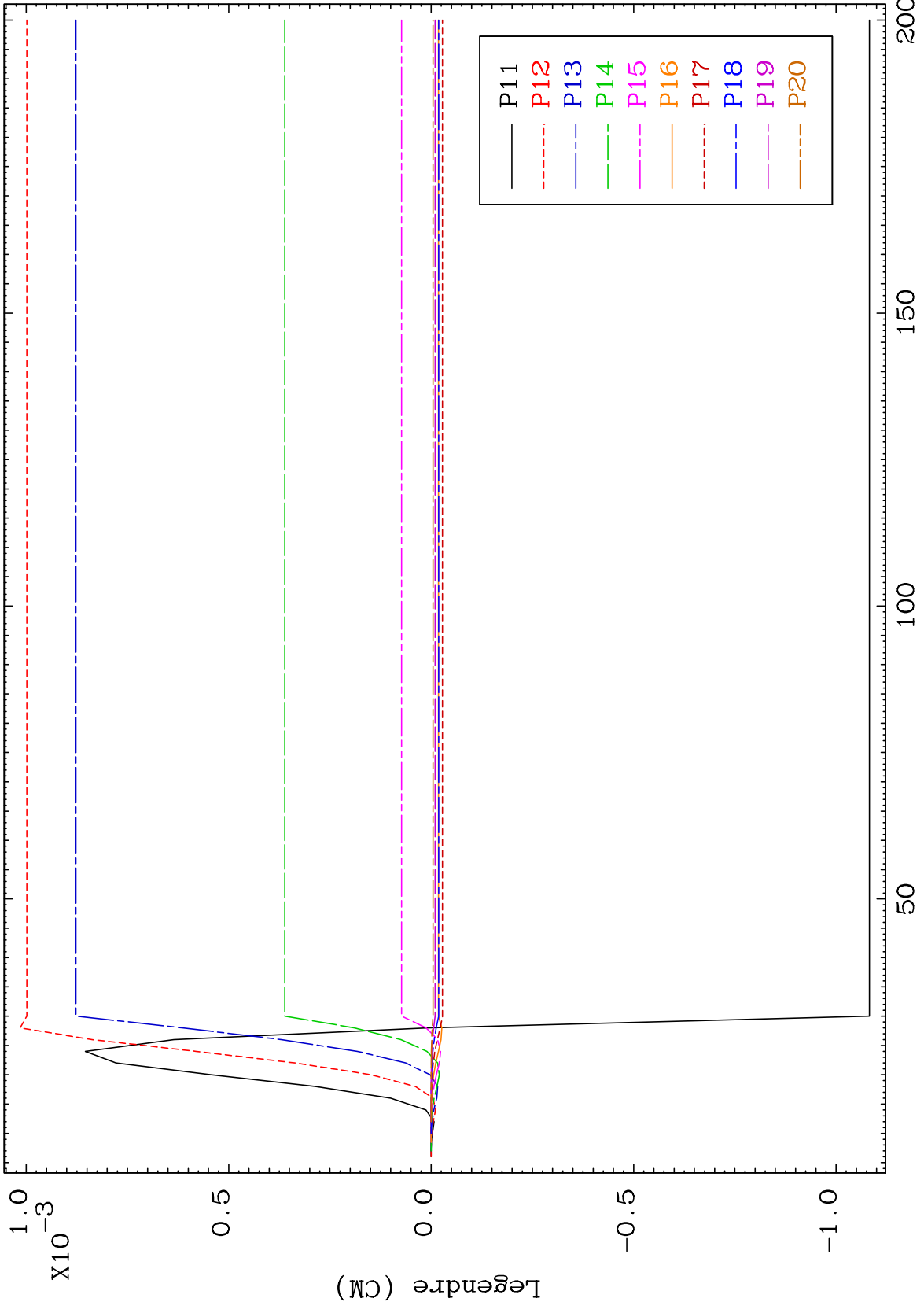
20-Ca-40

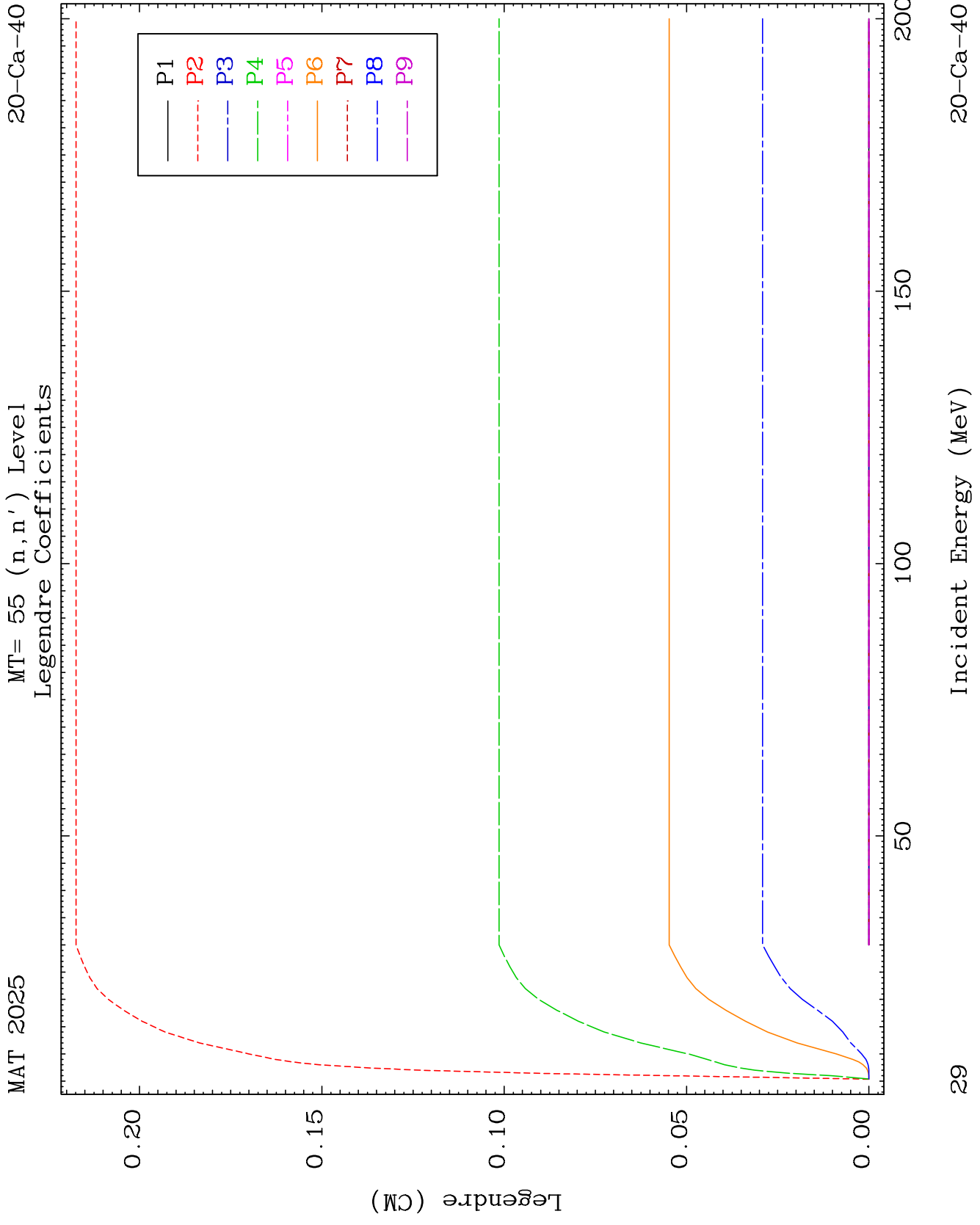
MAT 2025 MT= 53 (n,n') Level Legendre Coefficients 20-Ca-40



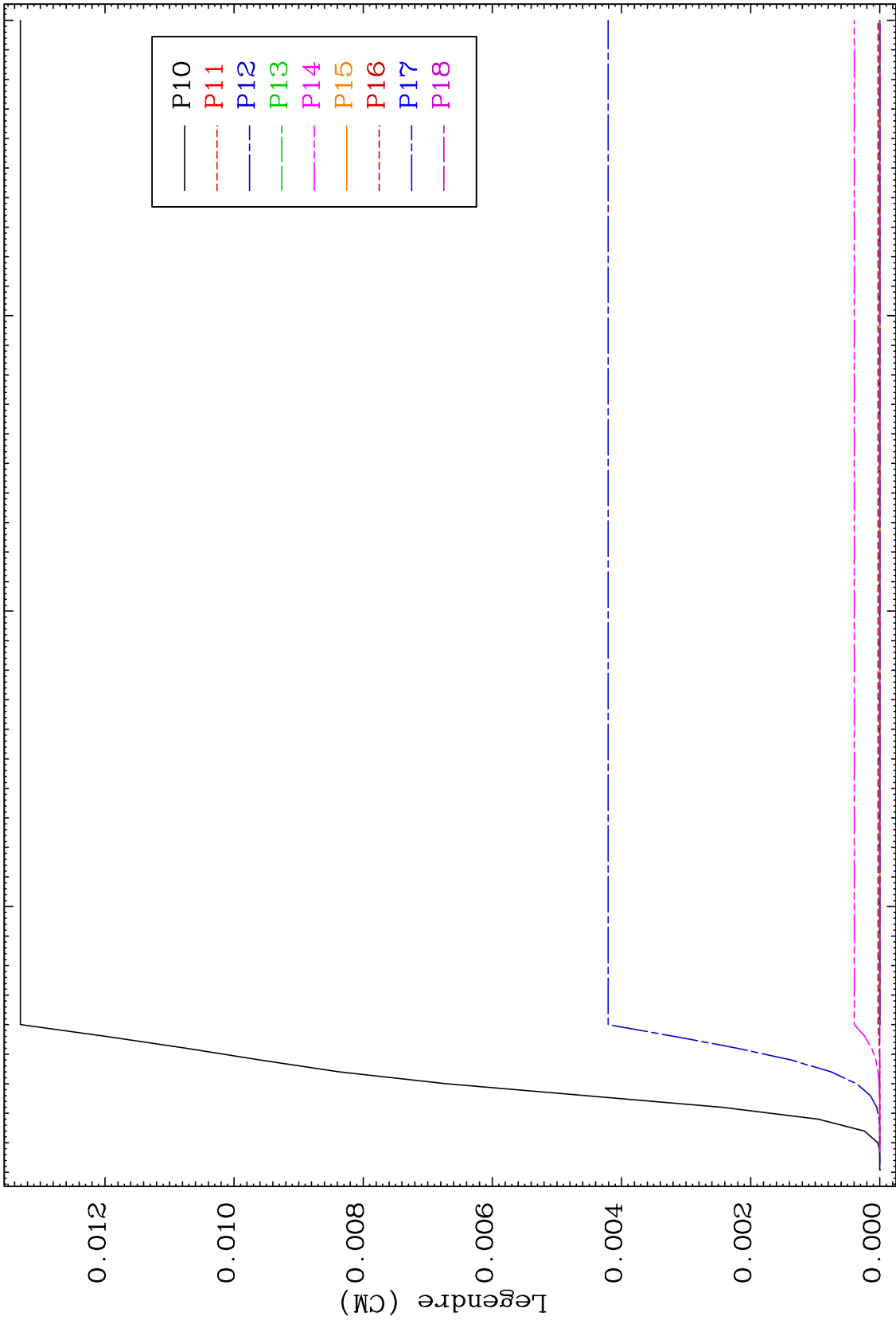


MAT 2025 MT= 54 (n,n') Level Legendre Coefficients 20-Ca-40



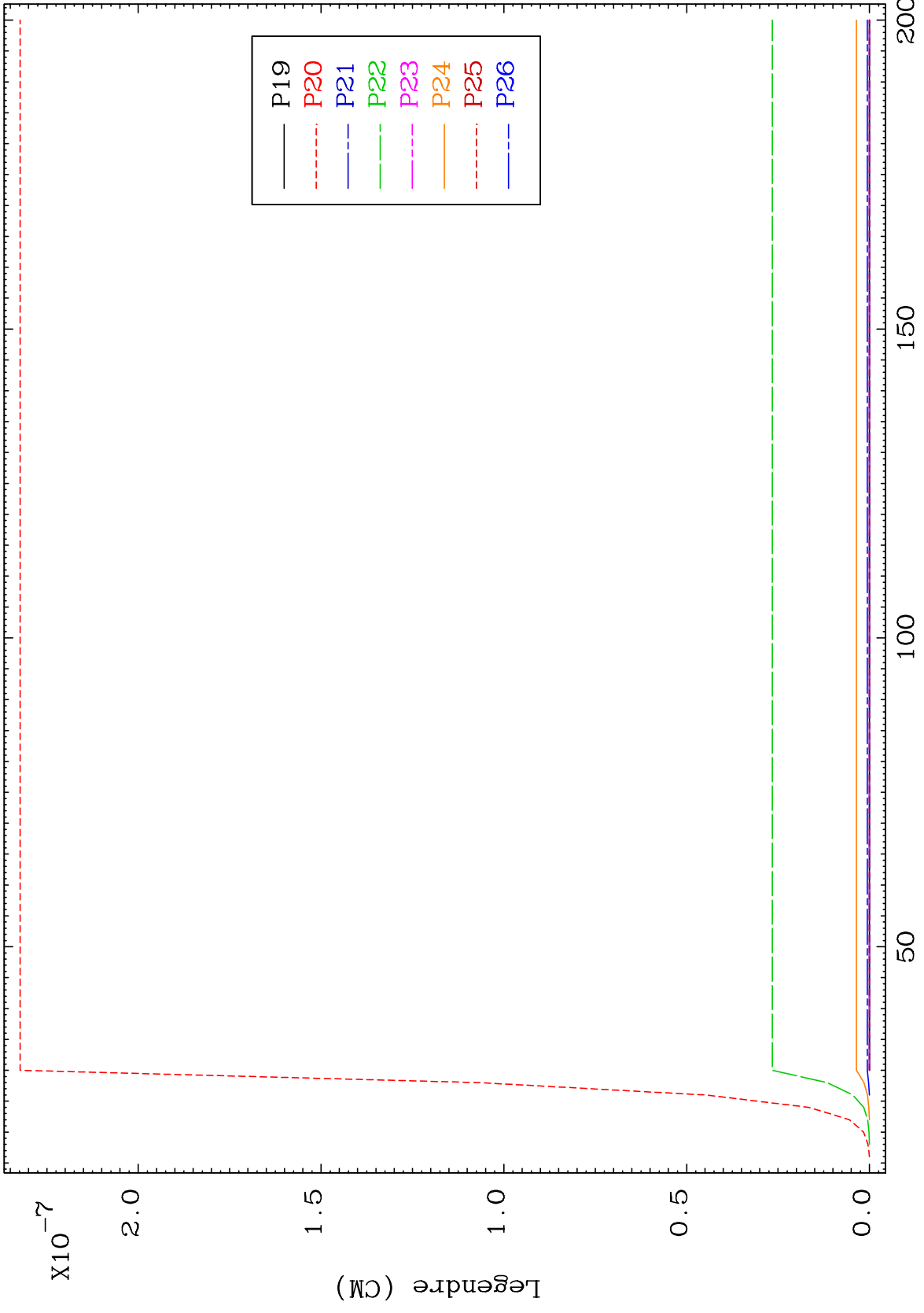


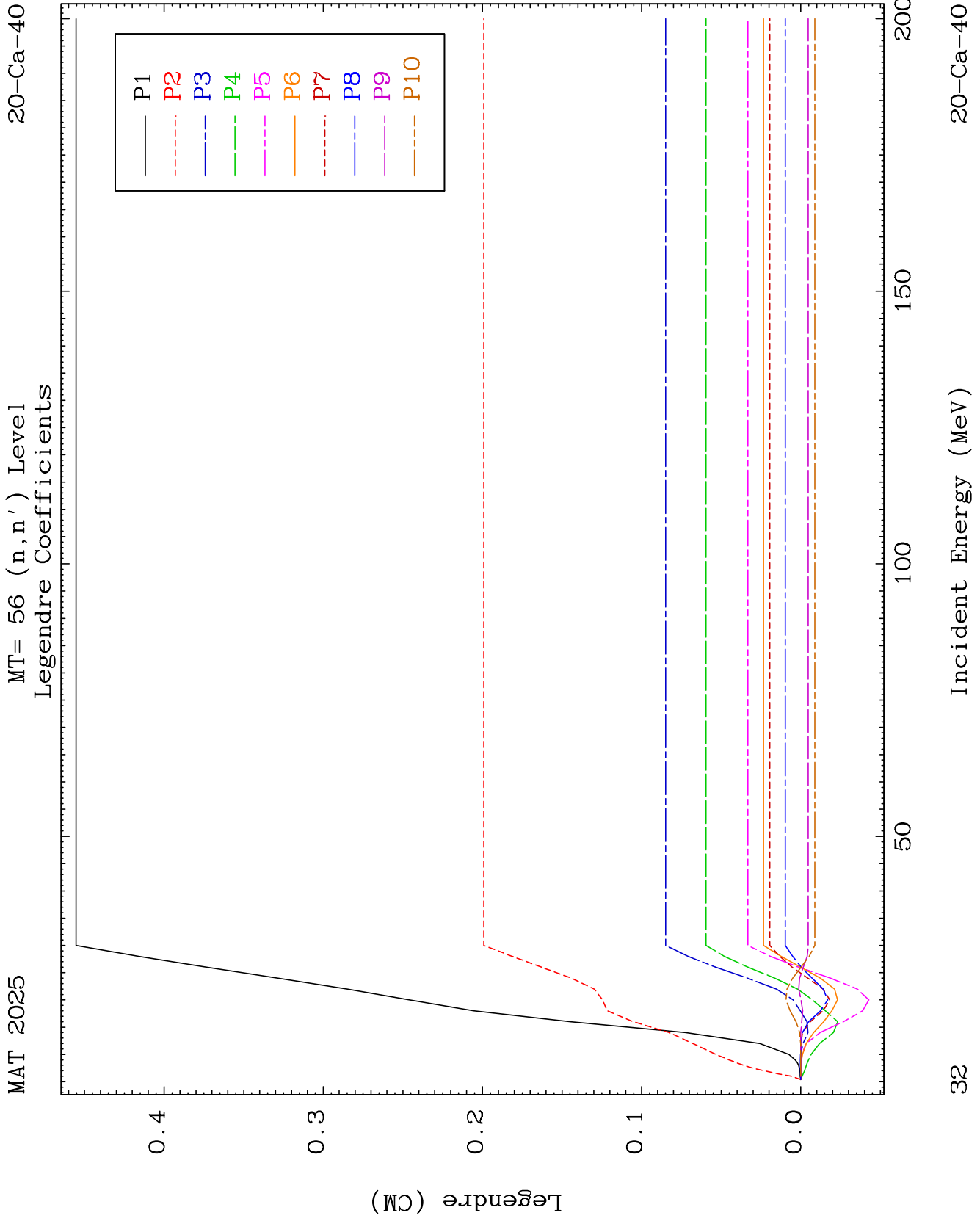
MAT 2025 MT= 55 (n,n') Level Legendre Coefficients 20-Ca-40



Legendre (CM) Incident Energy (MeV) 20-Ca-40

MAT 2025 MT= 55 (n,n') Level Legendre Coefficients 20-Ca-40

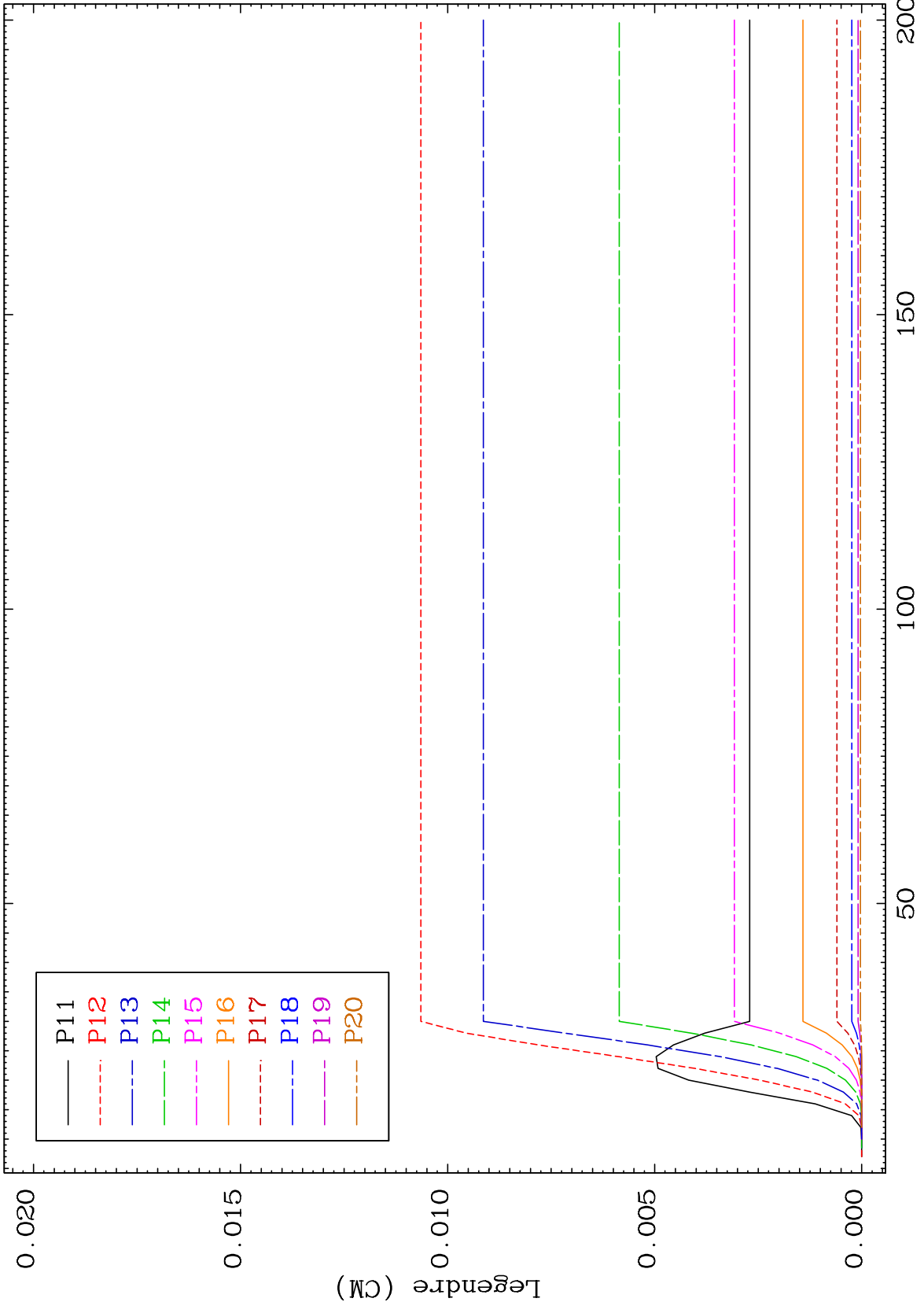




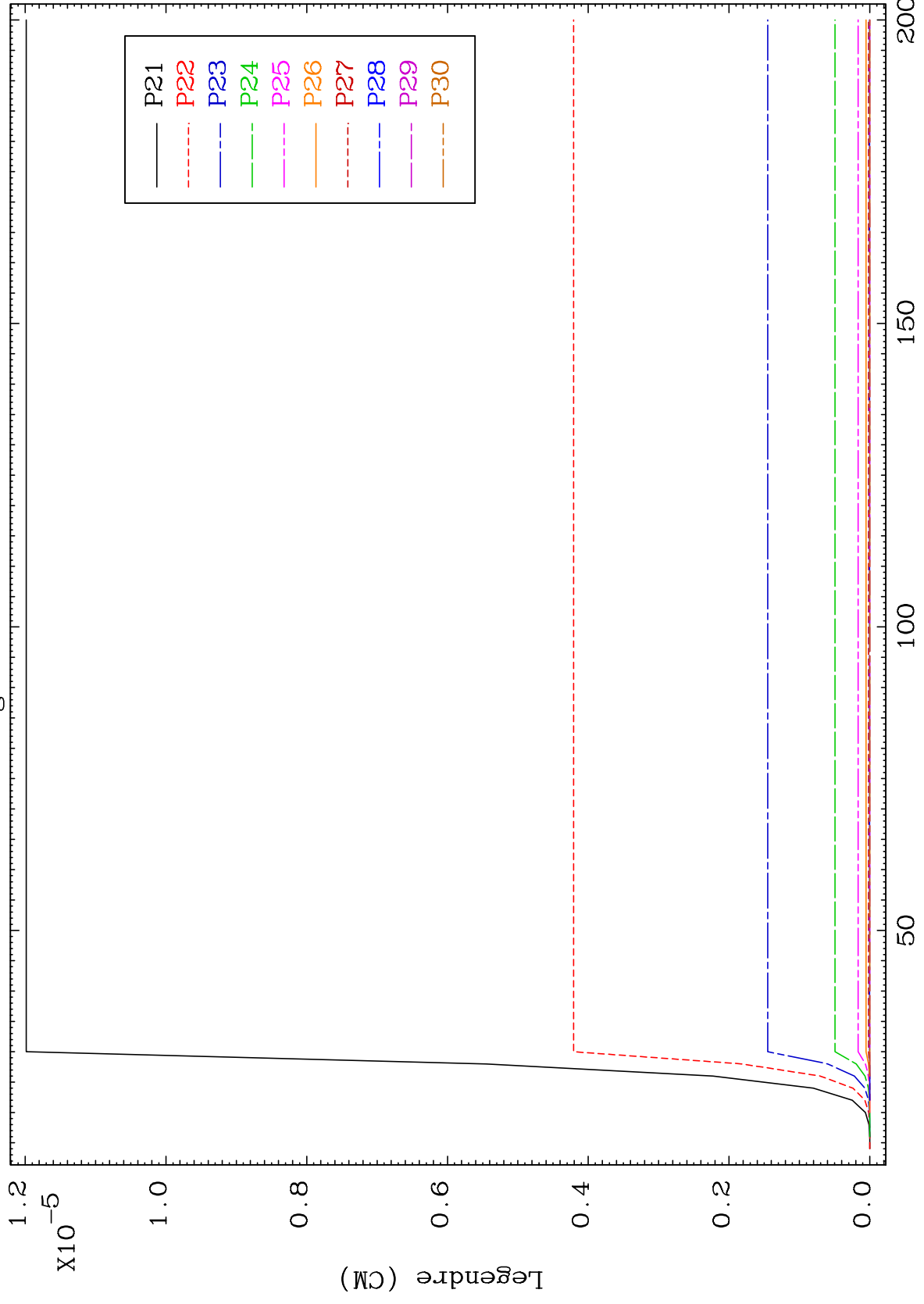
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20-Ca-40

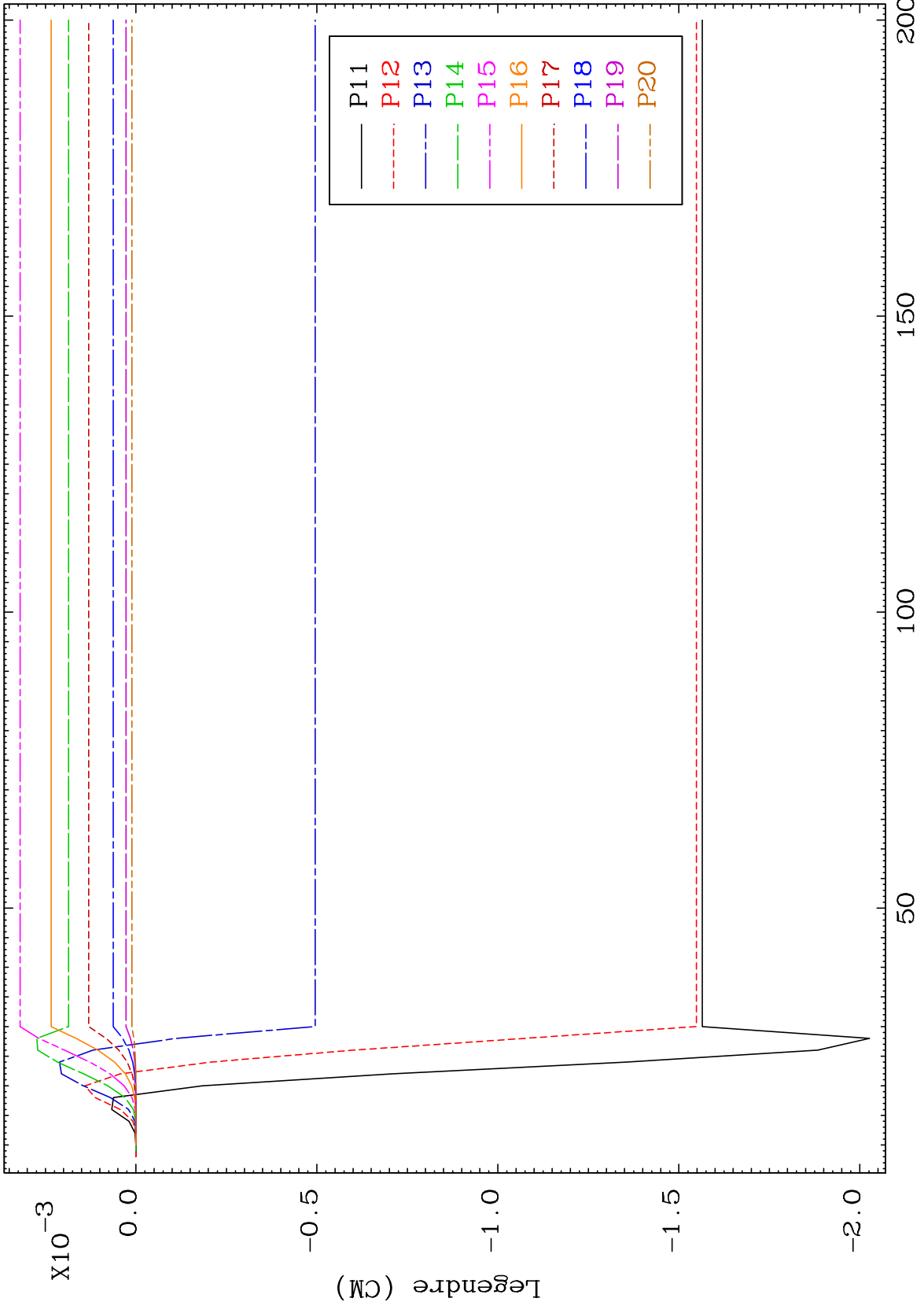
20-Ca-40



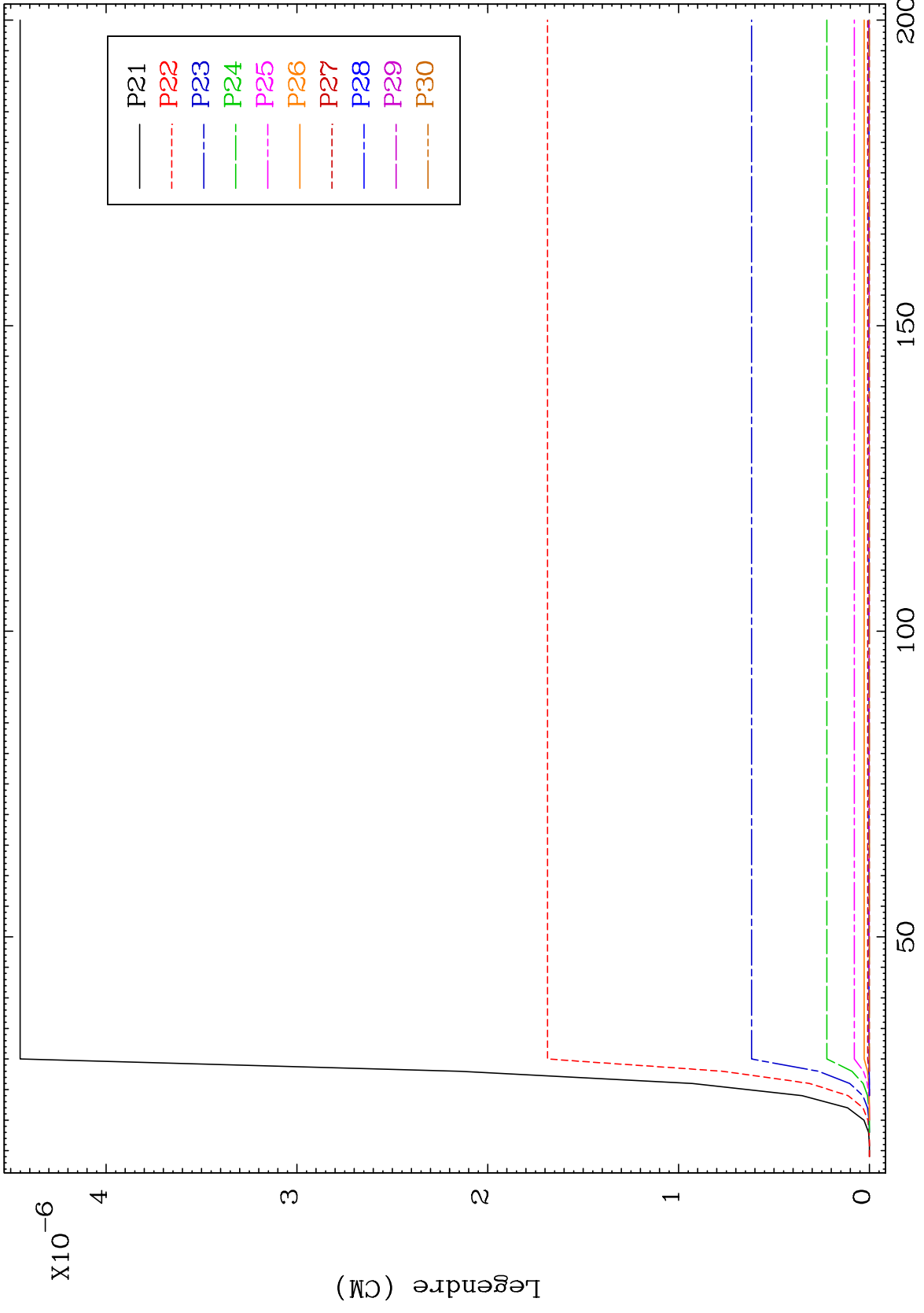
MAT 2025 MT= 56 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025 MT= 57 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025 MT= 57 (n,n') Level Legendre Coefficients 20-Ca-40

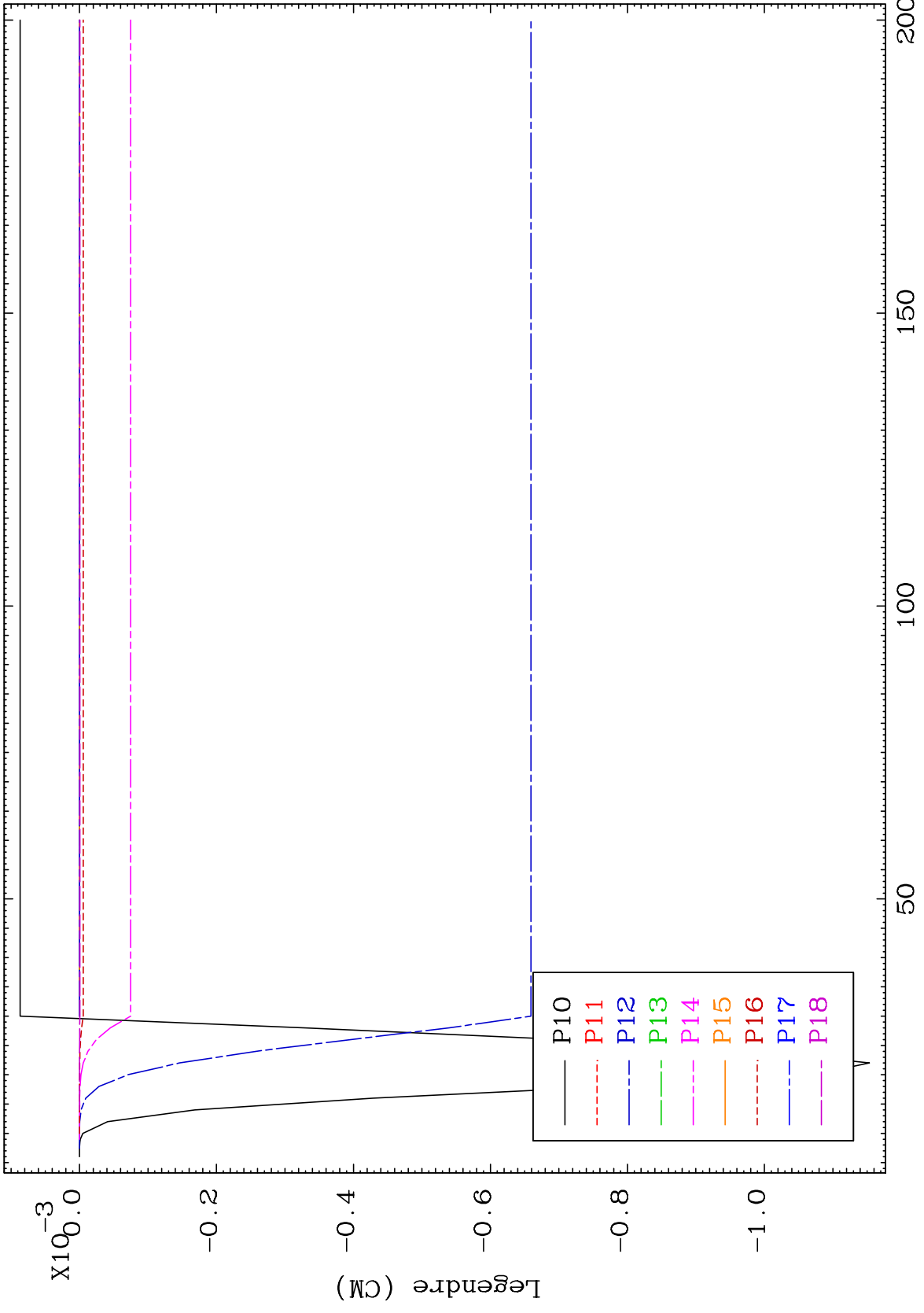


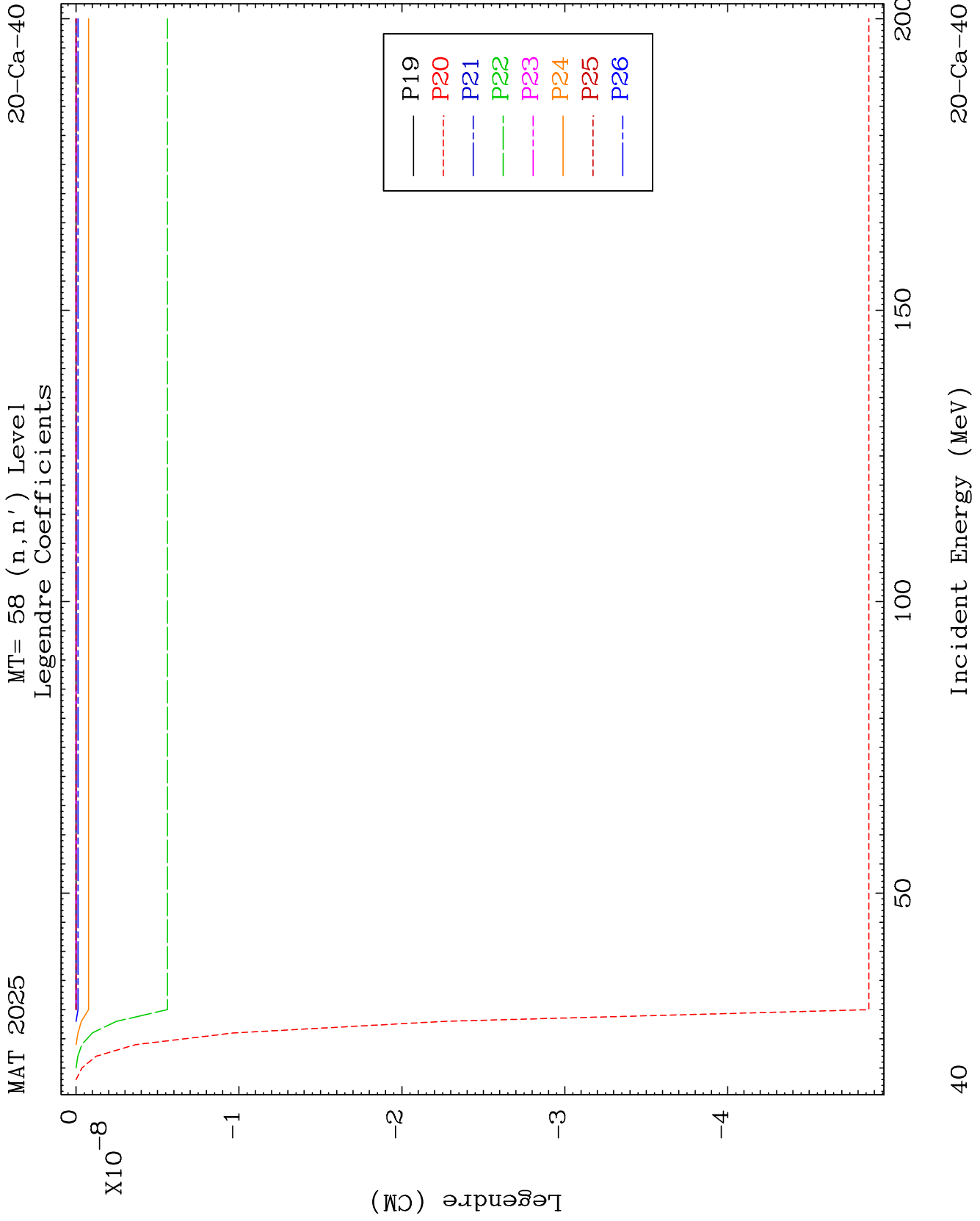
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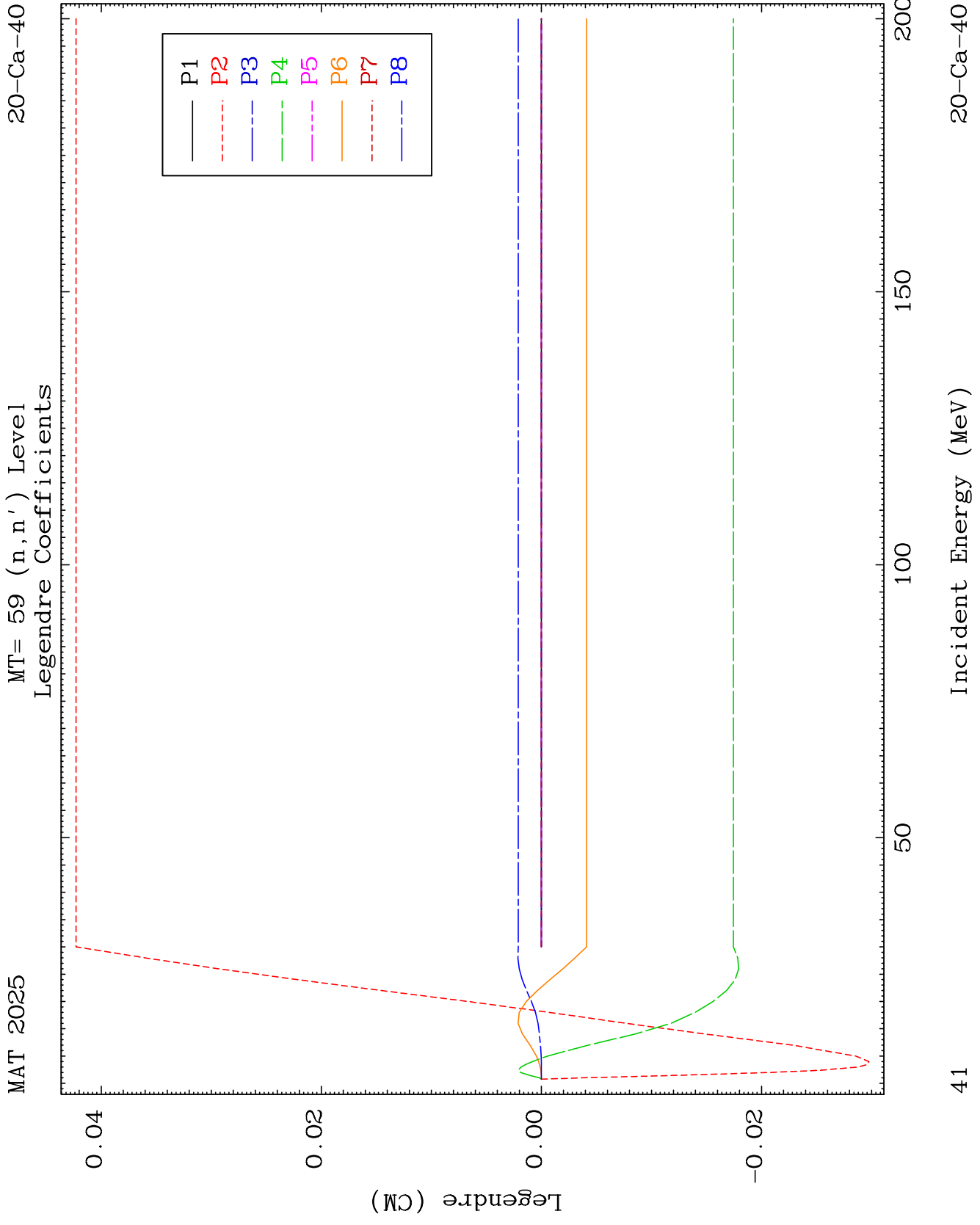
Incident Energy (MeV)

20-Ca-40

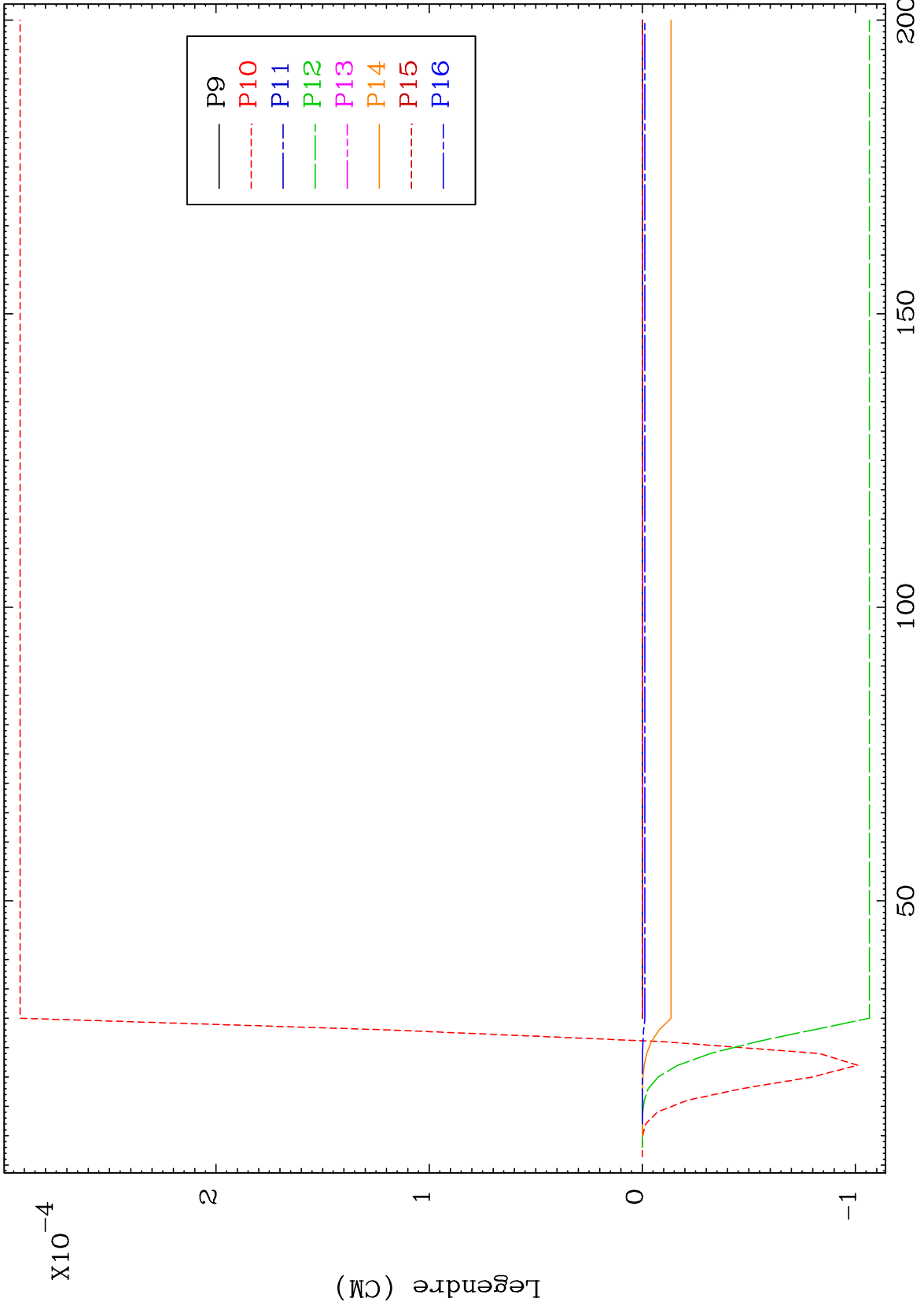
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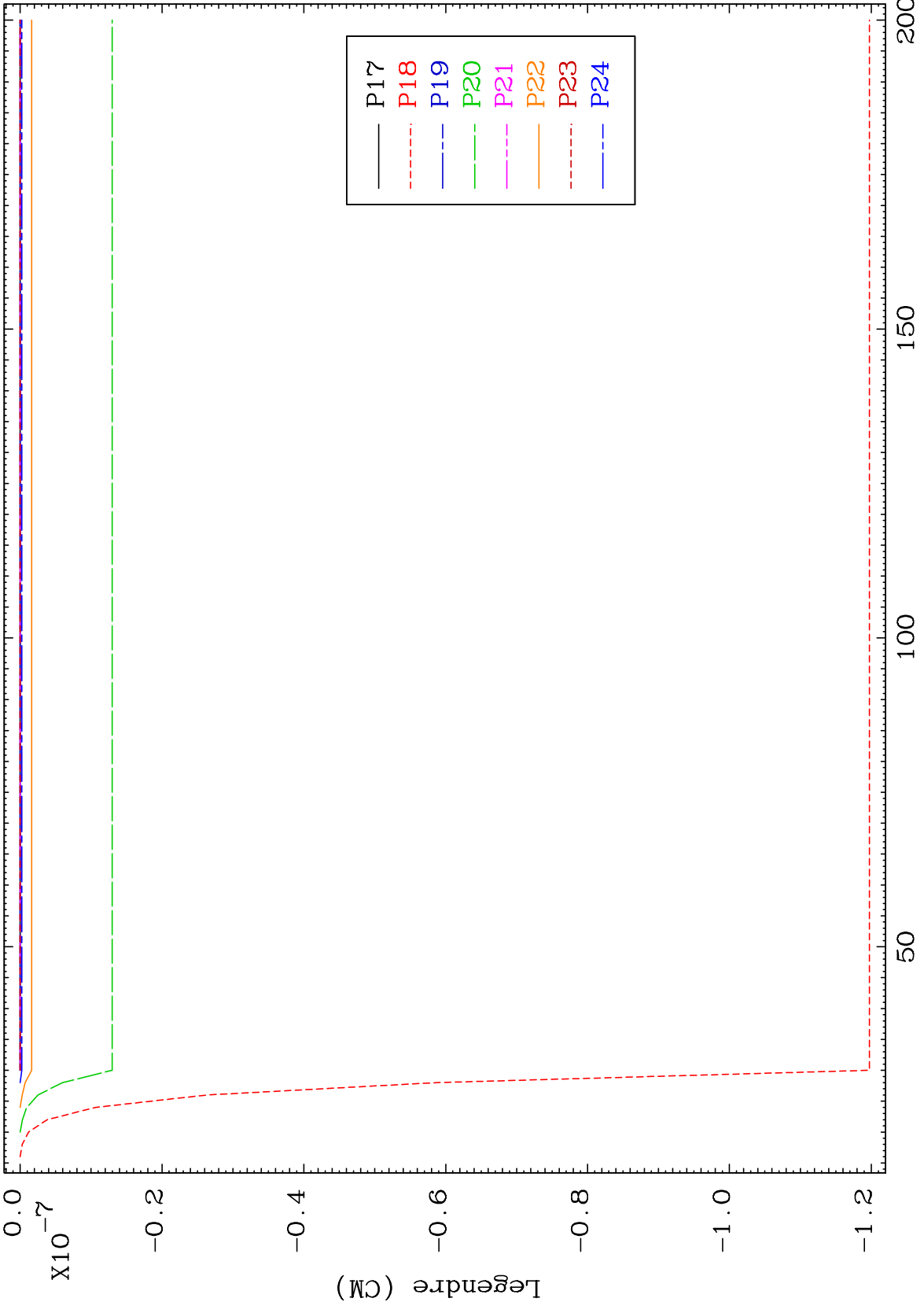


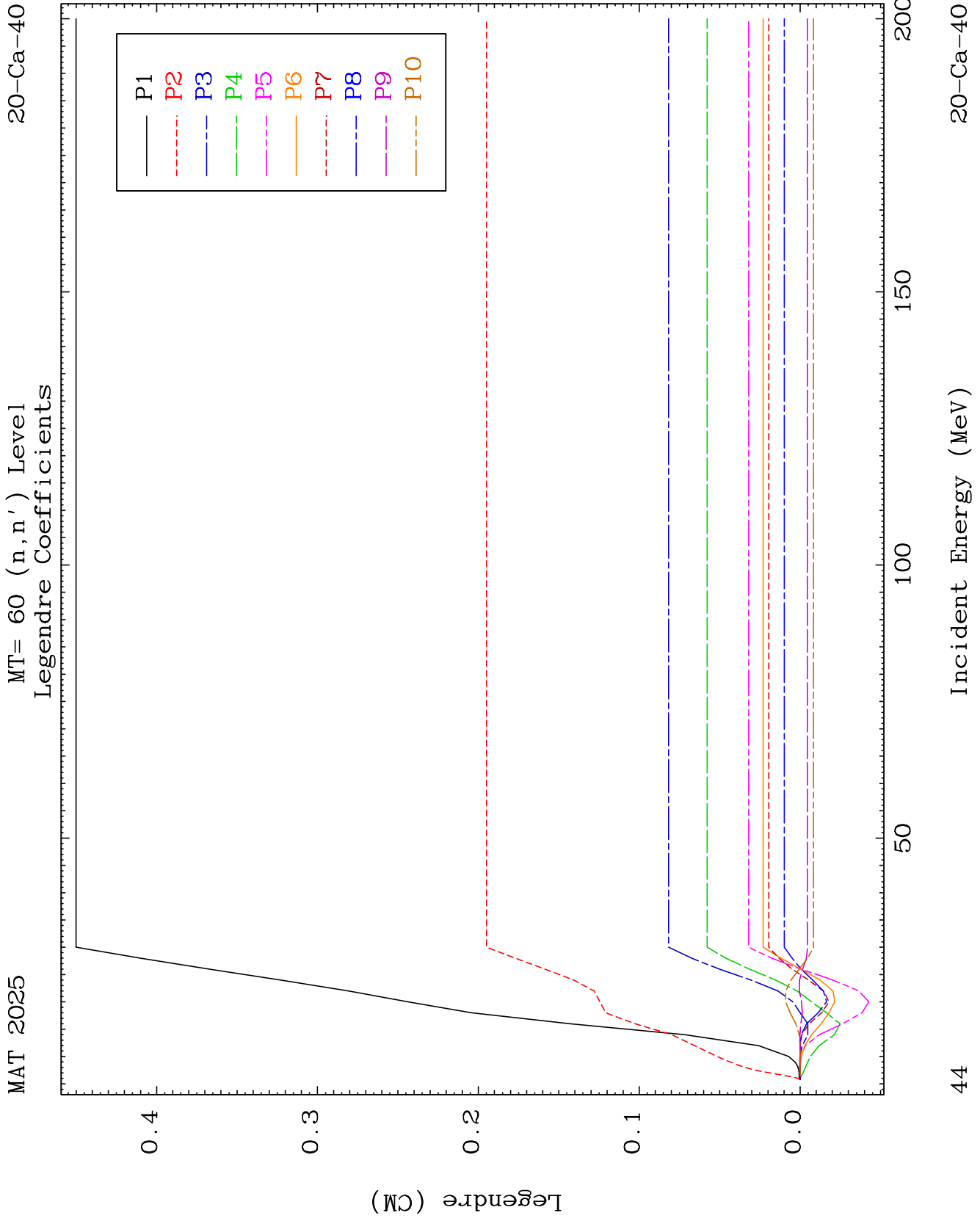


MAT 2025 MT= 59 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025 MT= 59 (n,n') Level Legendre Coefficients 20-Ca-40





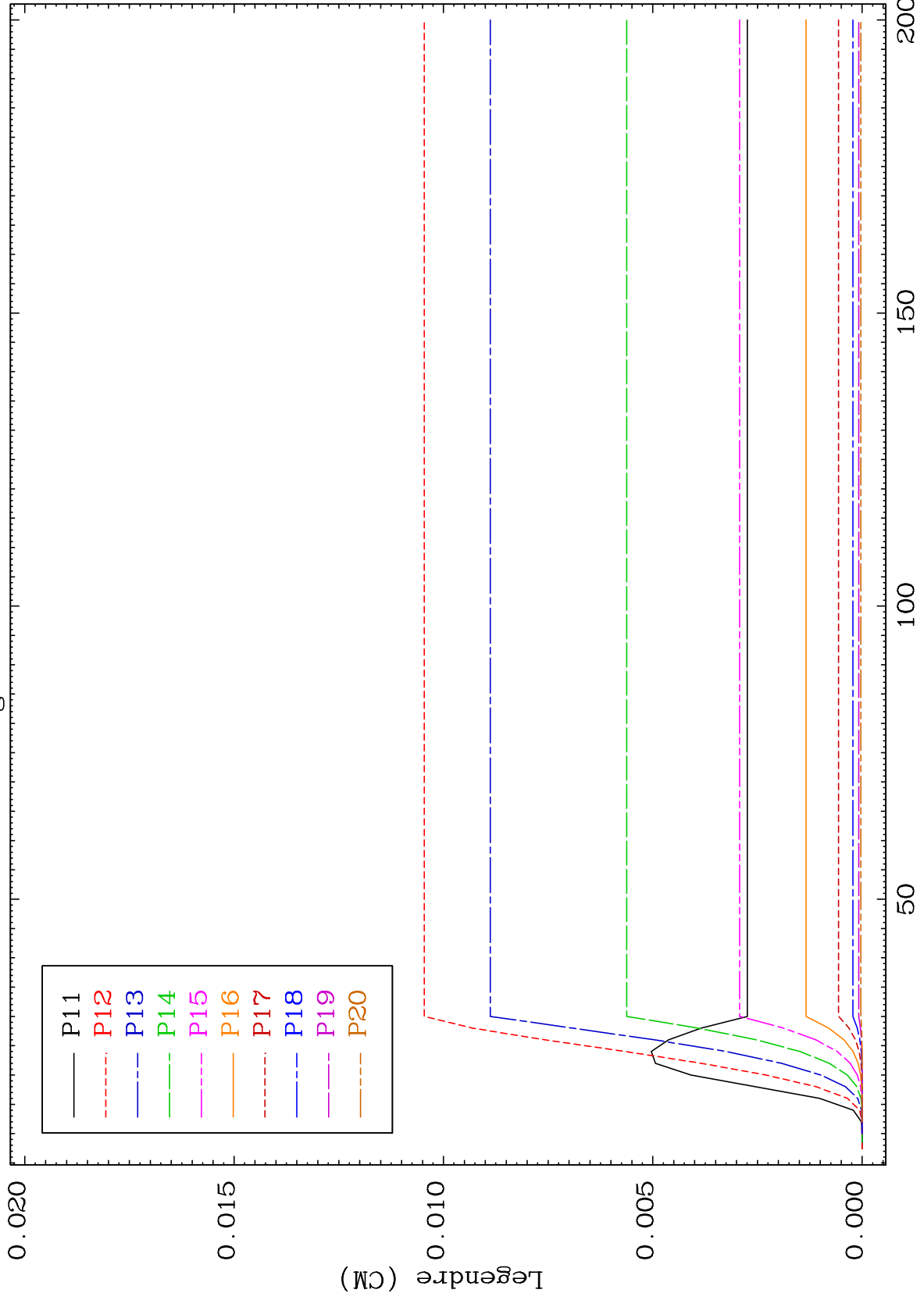
MAT 2025 MT= 60 (n,n') Level Legendre Coefficients

20-Ca-40

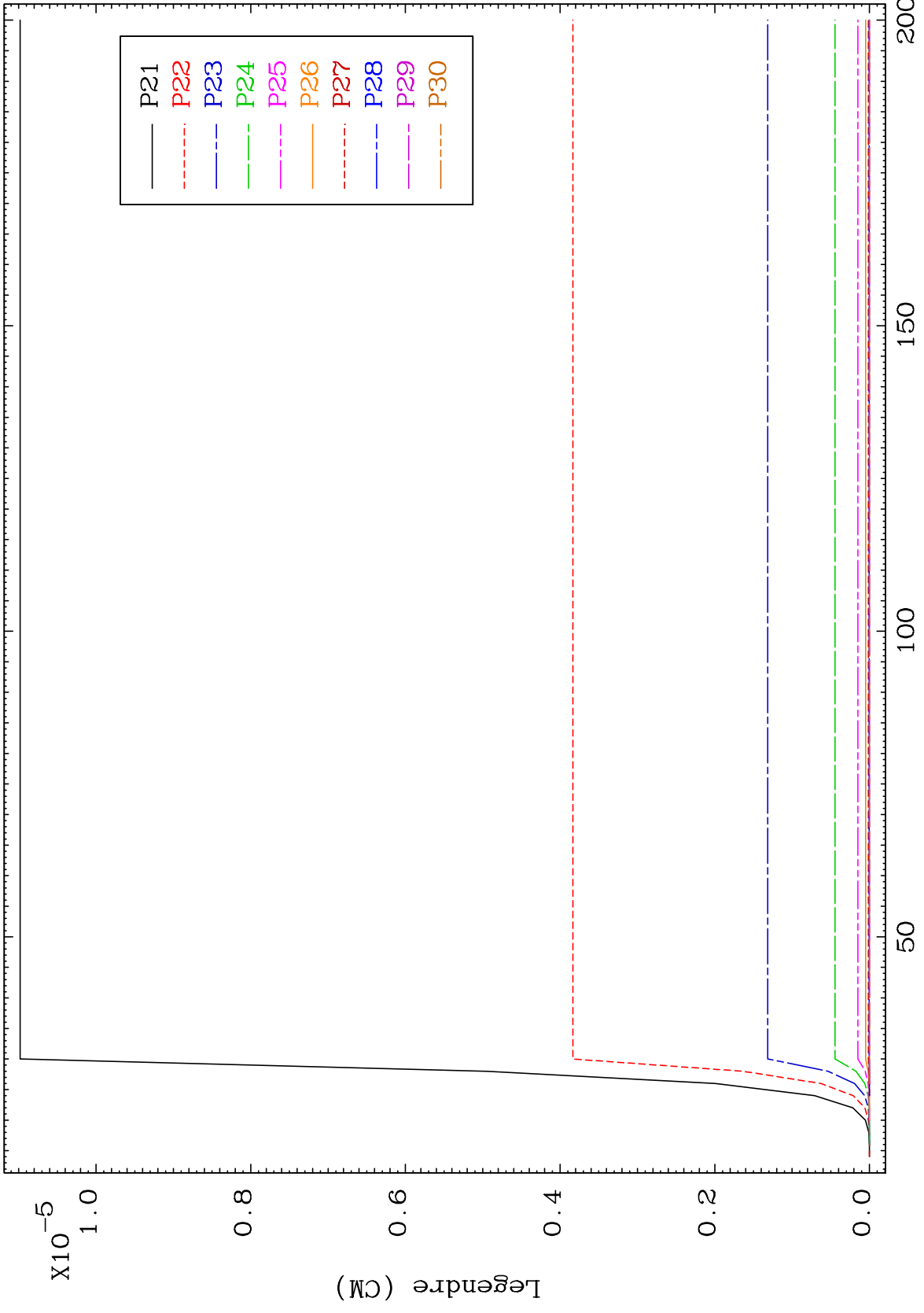
20-Ca-40

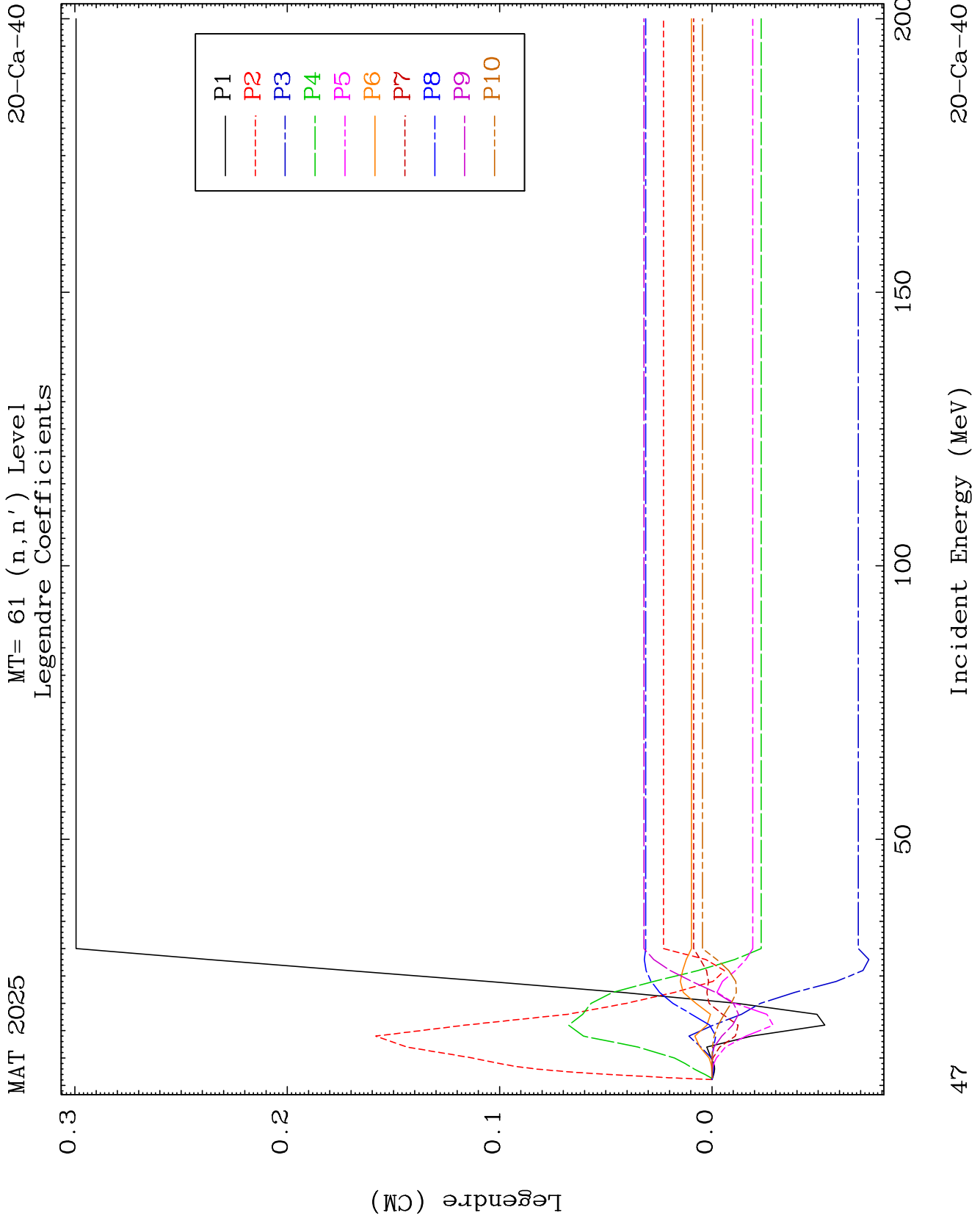
Incident Energy (MeV)

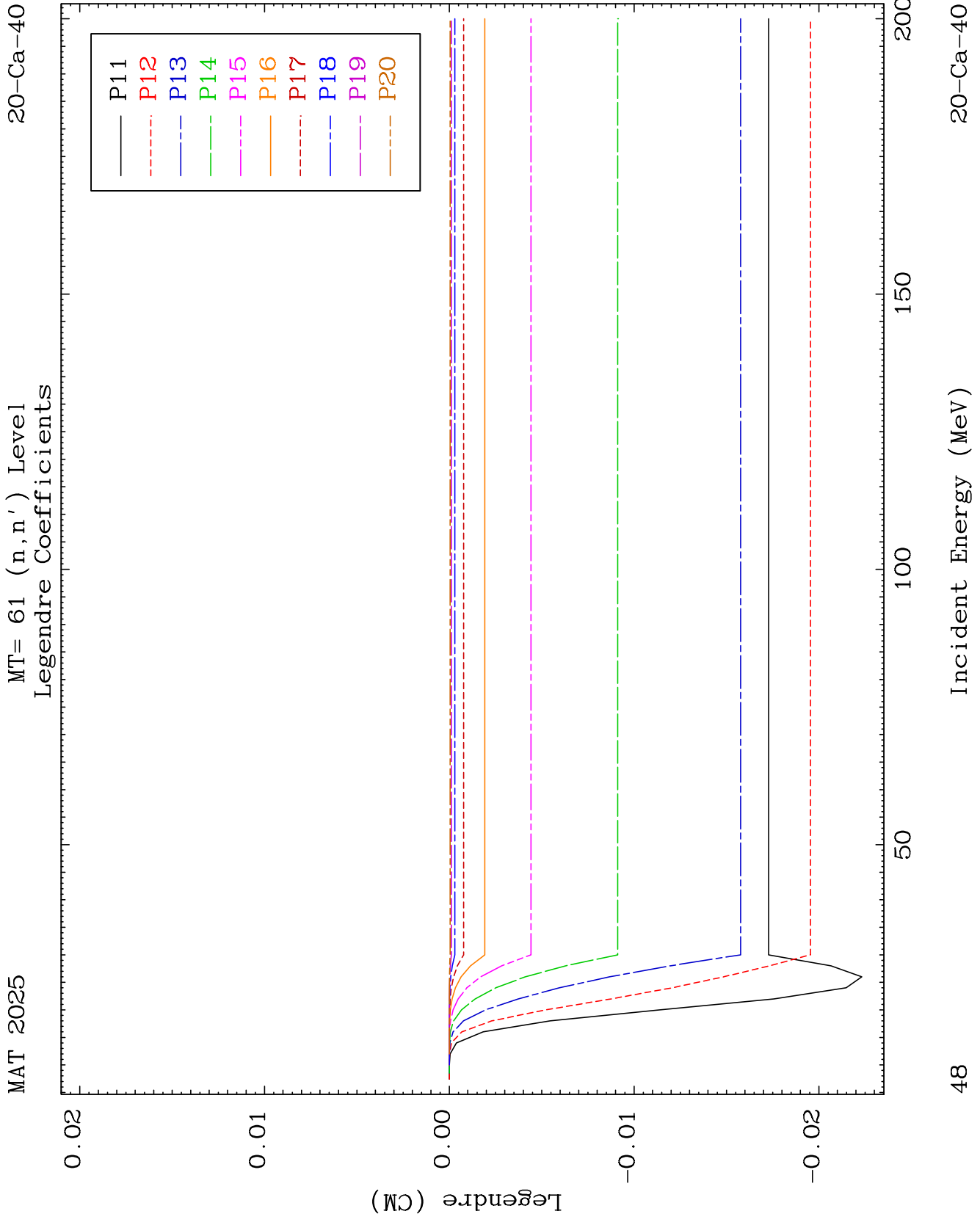
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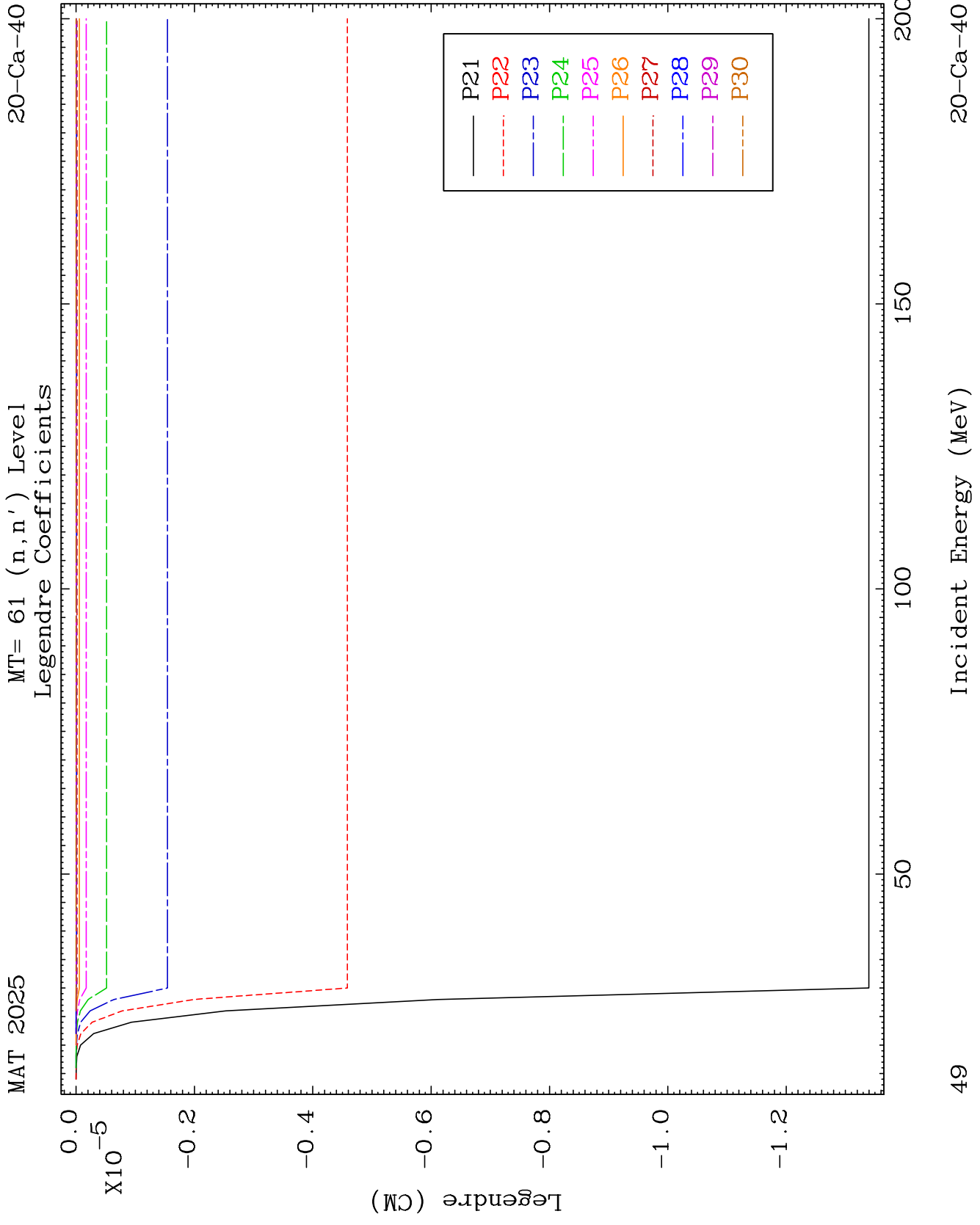


MAT 2025 MT= 60 (n,n') Level Legendre Coefficients 20-Ca-40

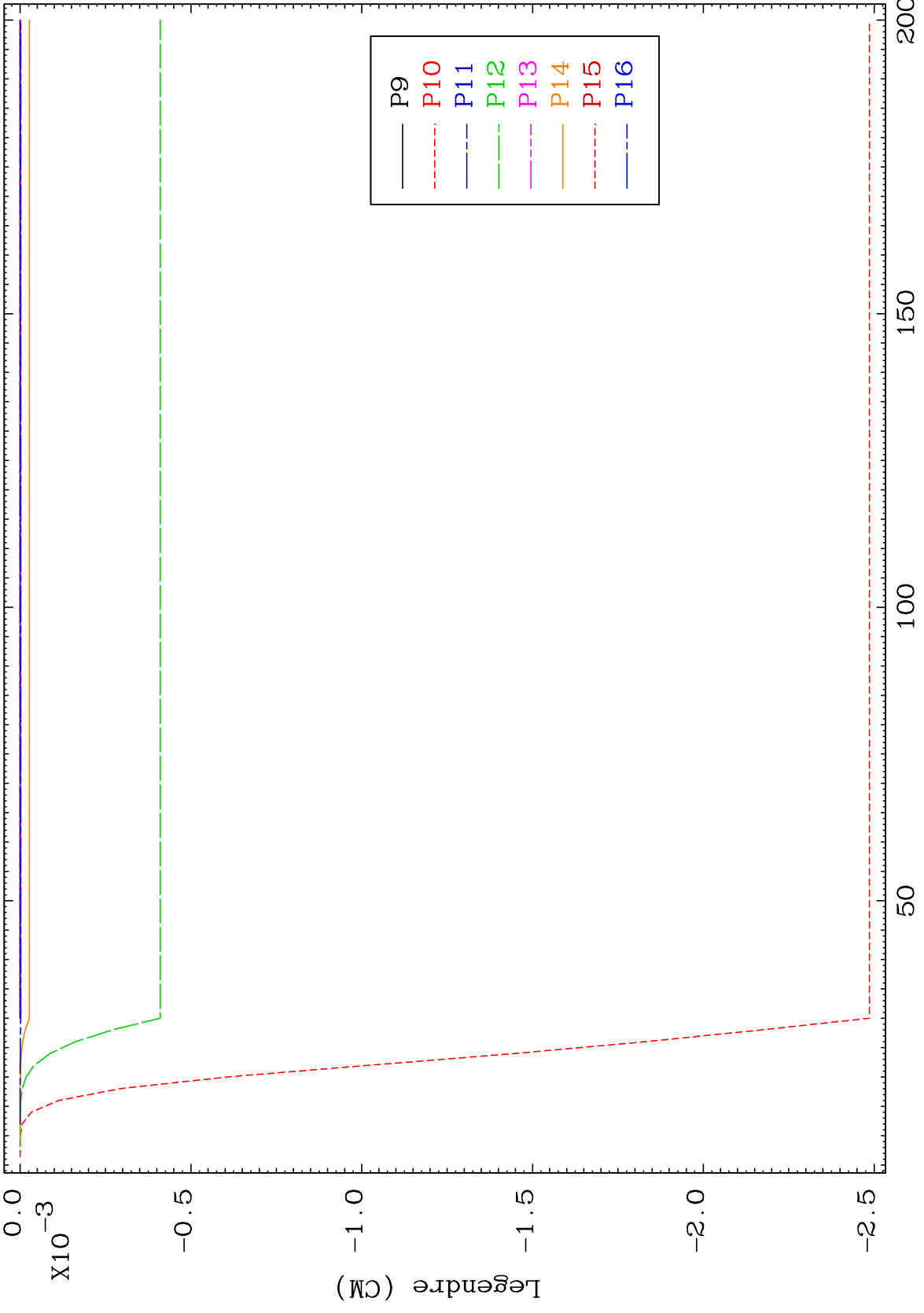




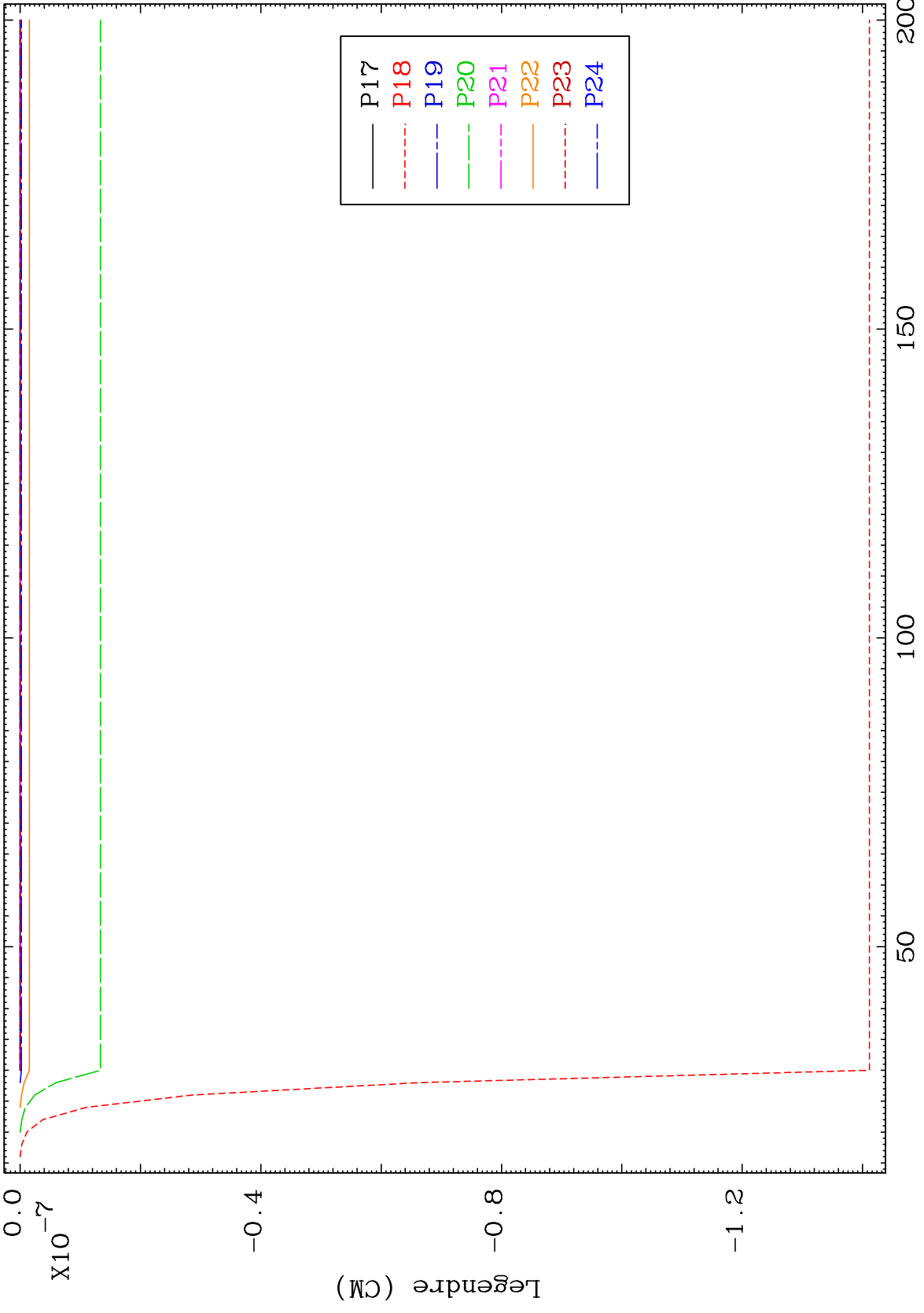




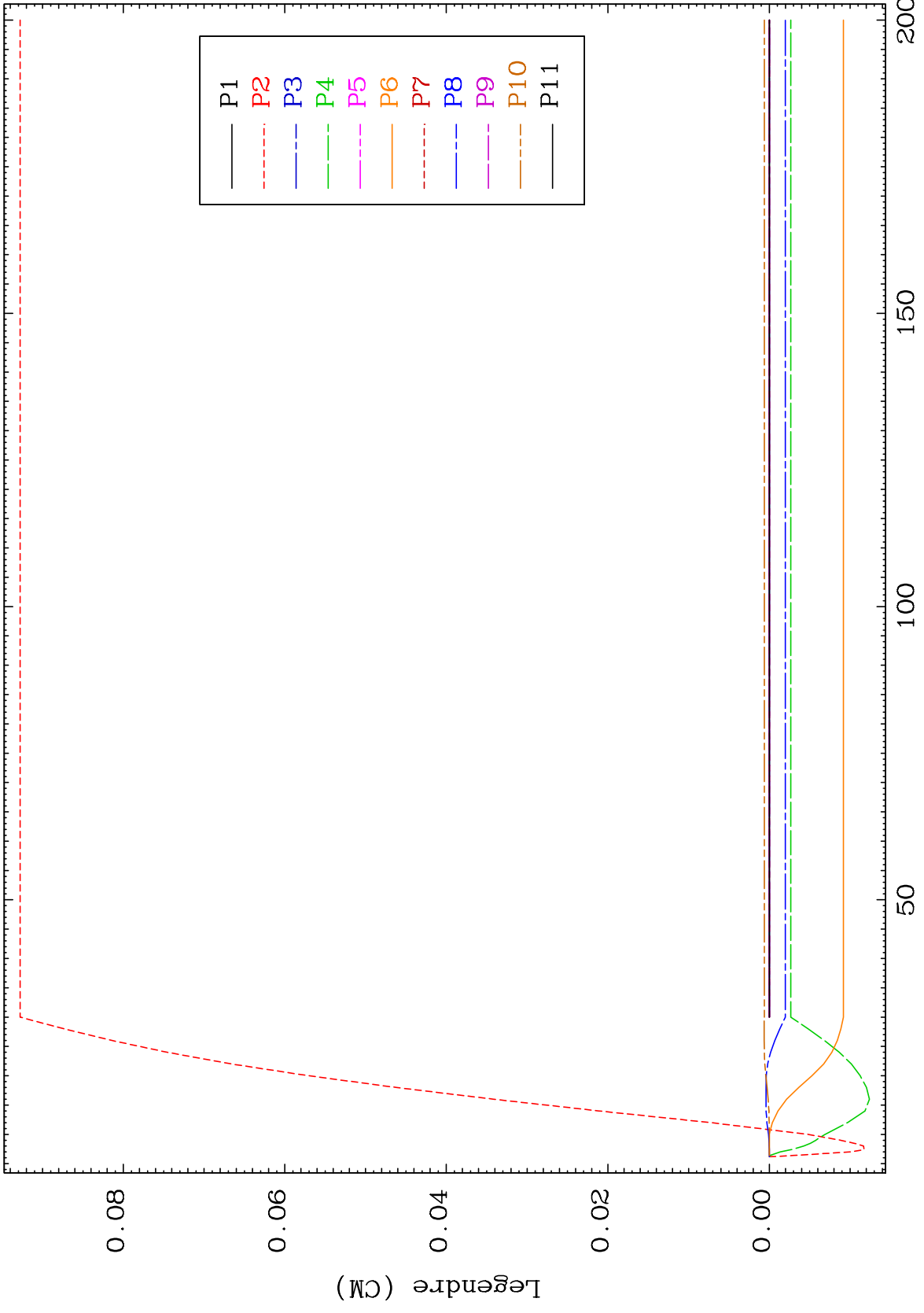
MAT 2025 MT= 62 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025 MT= 62 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025 MT= 63 (n,n') Level Legendre Coefficients 20-Ca-40

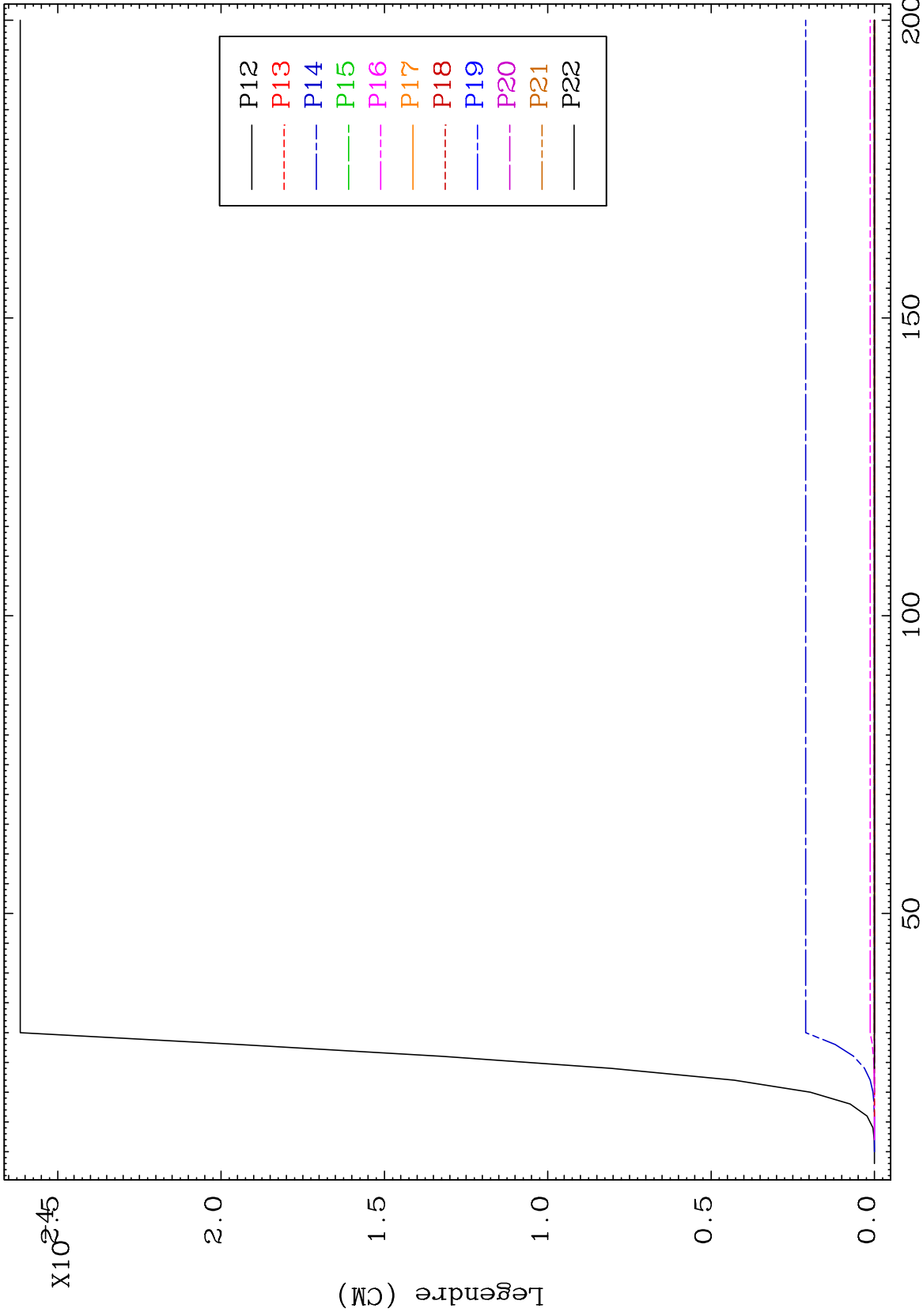


53 Incident Energy (MeV) 20-Ca-40

MAT 2025

MT= 63 (n,n') Level
Legendre Coefficients

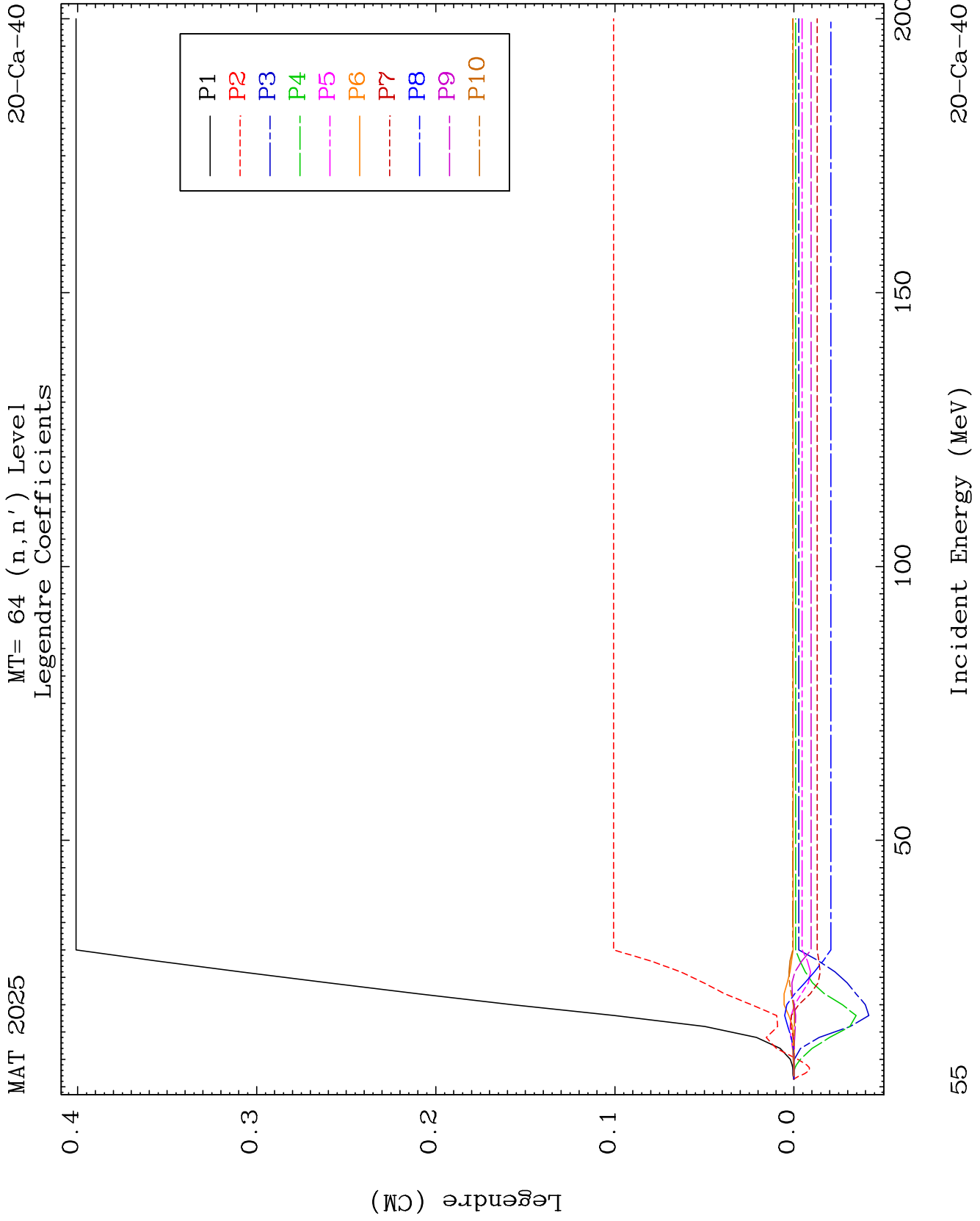
20-Ca-40



54

Incident Energy (MeV)

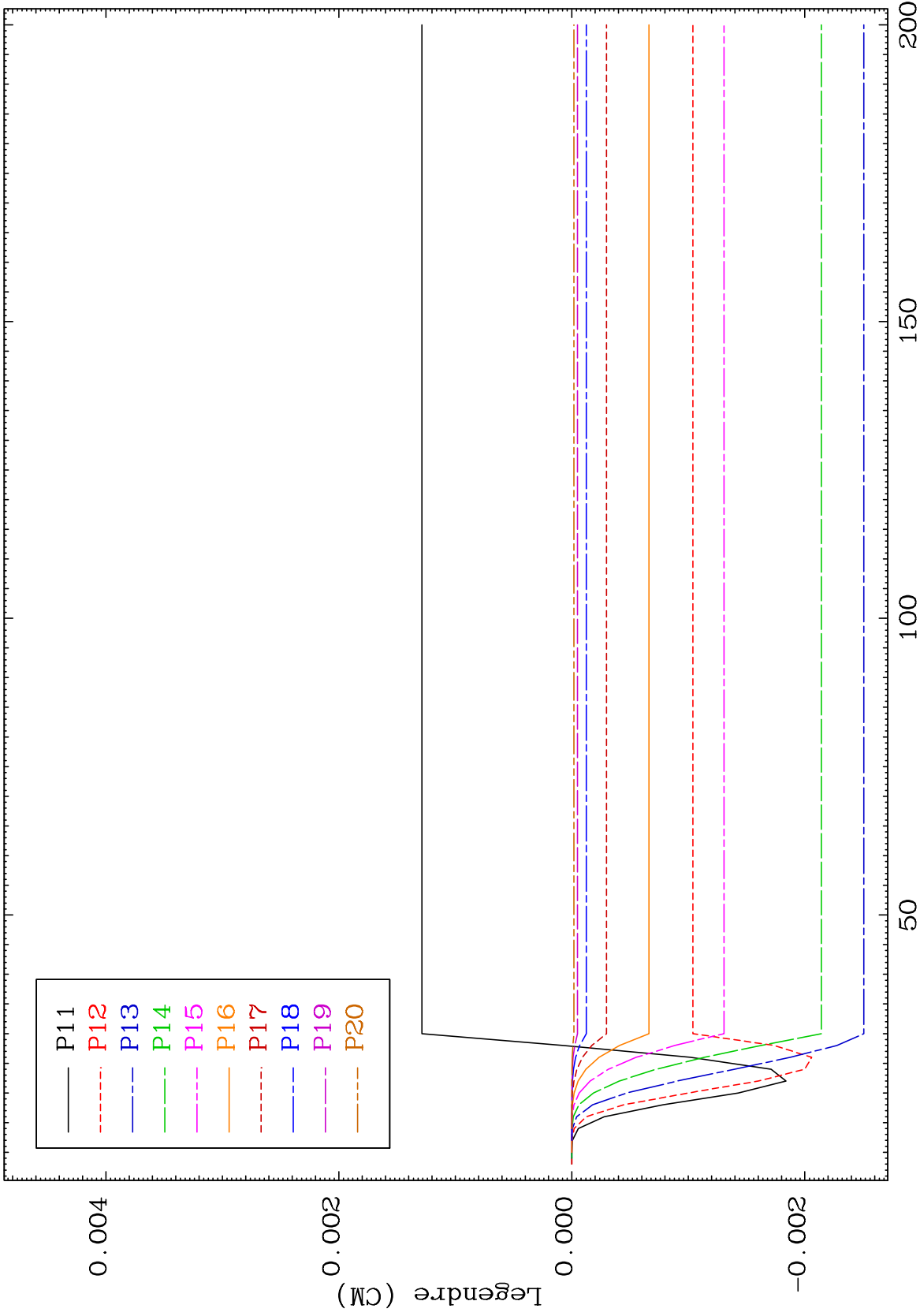
20-Ca-40

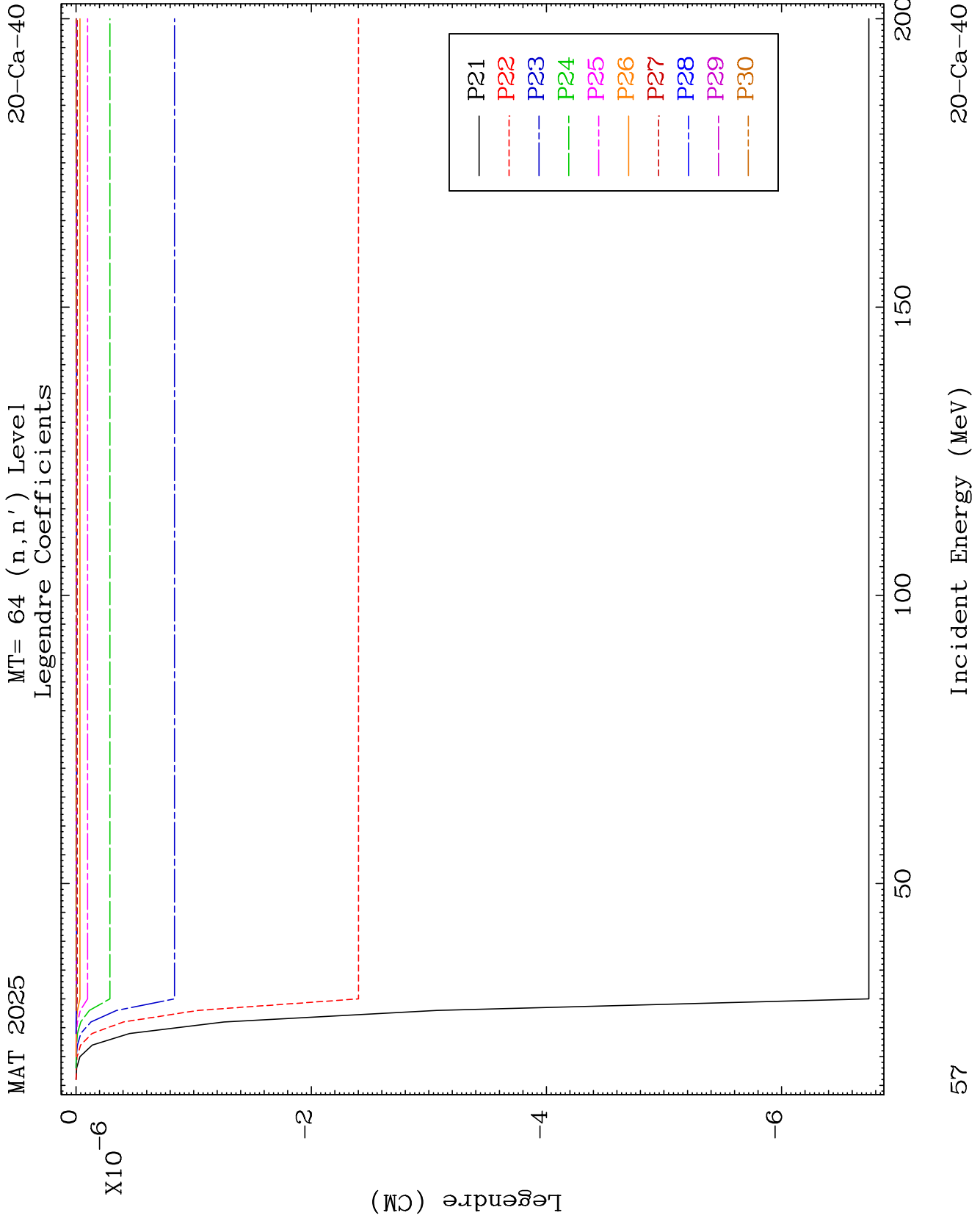


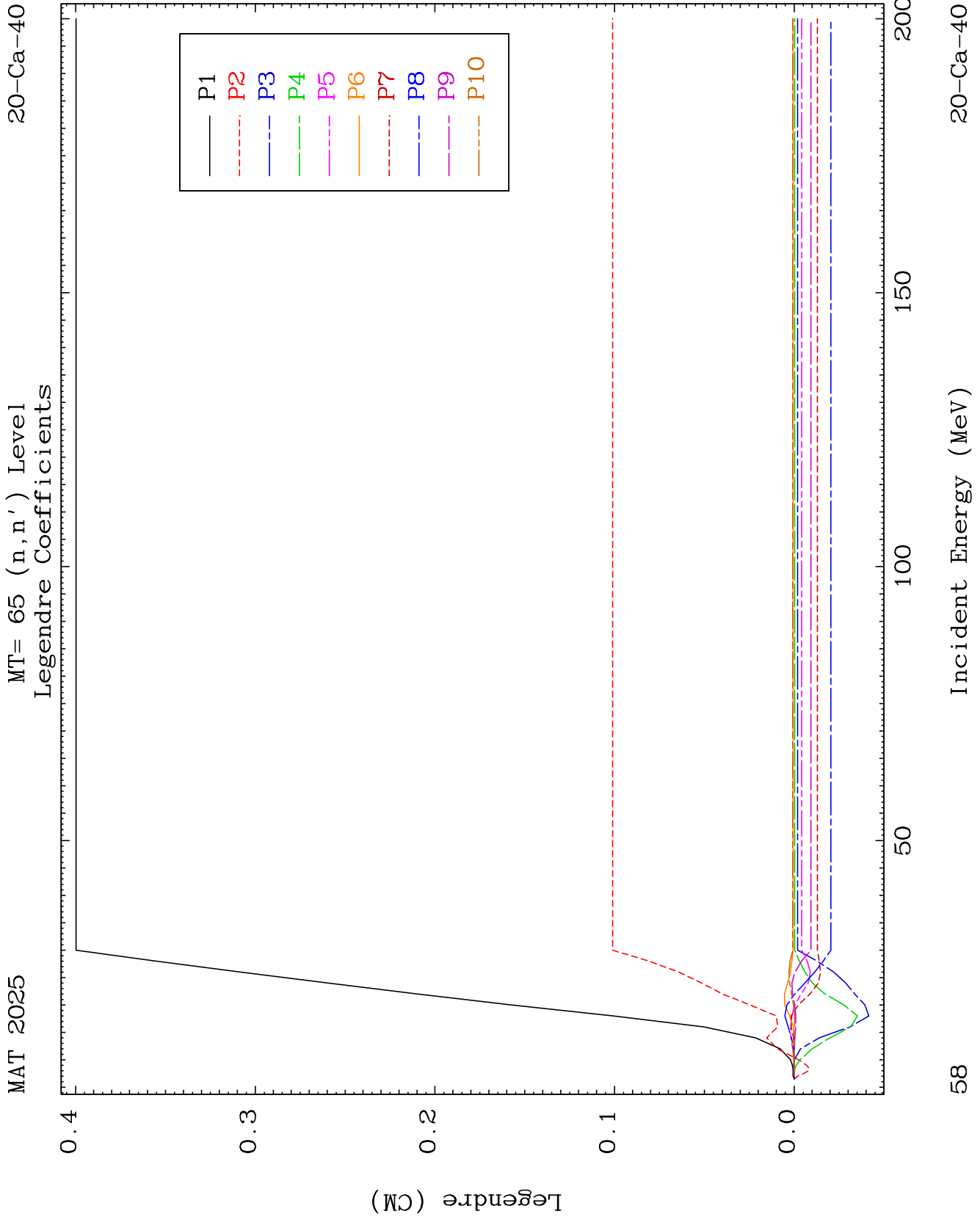
MAT 2025

MT= 64 (n,n') Level
Legendre Coefficients

20-Ca-40



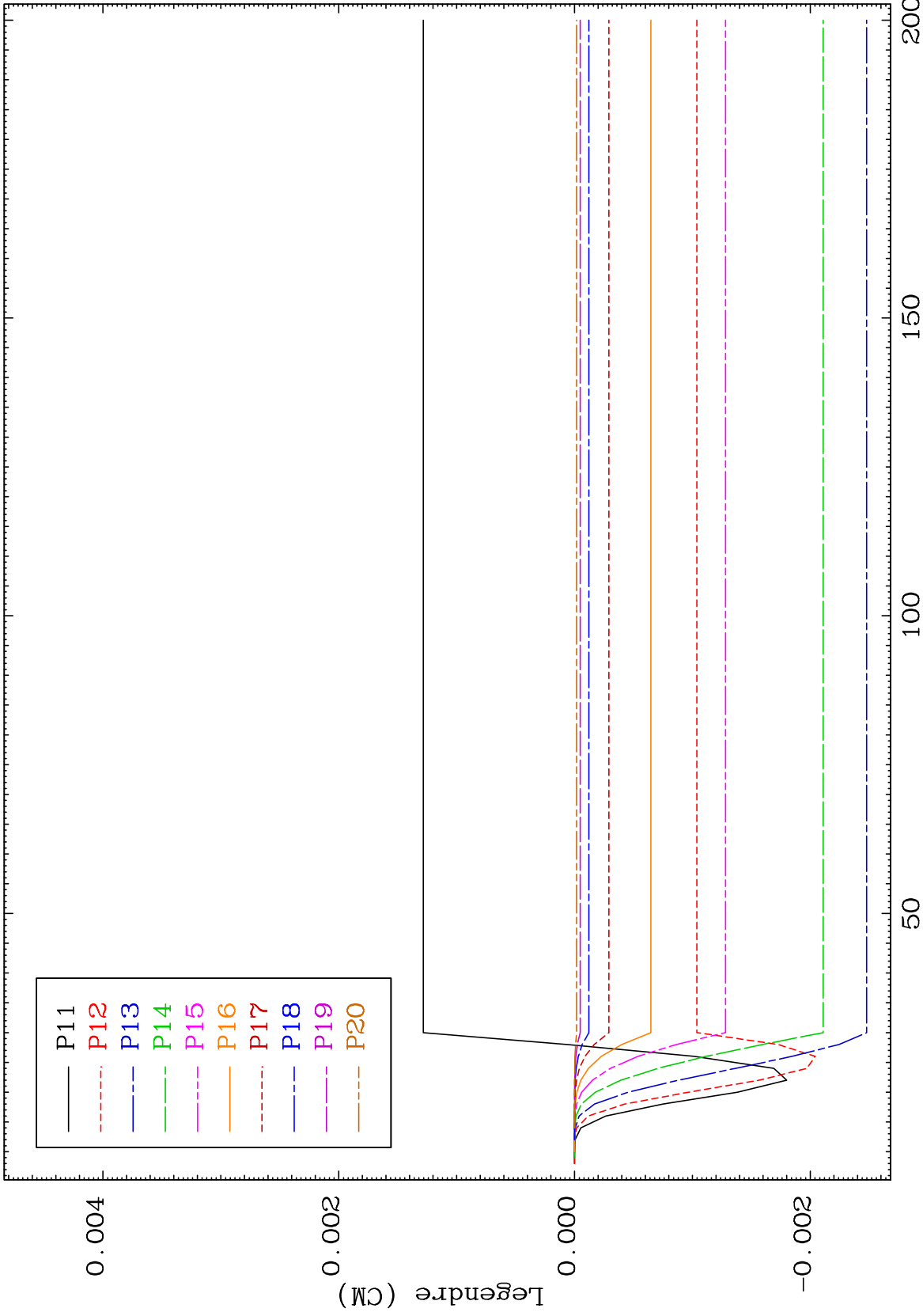




MAT 2025

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Legendre Coefficients

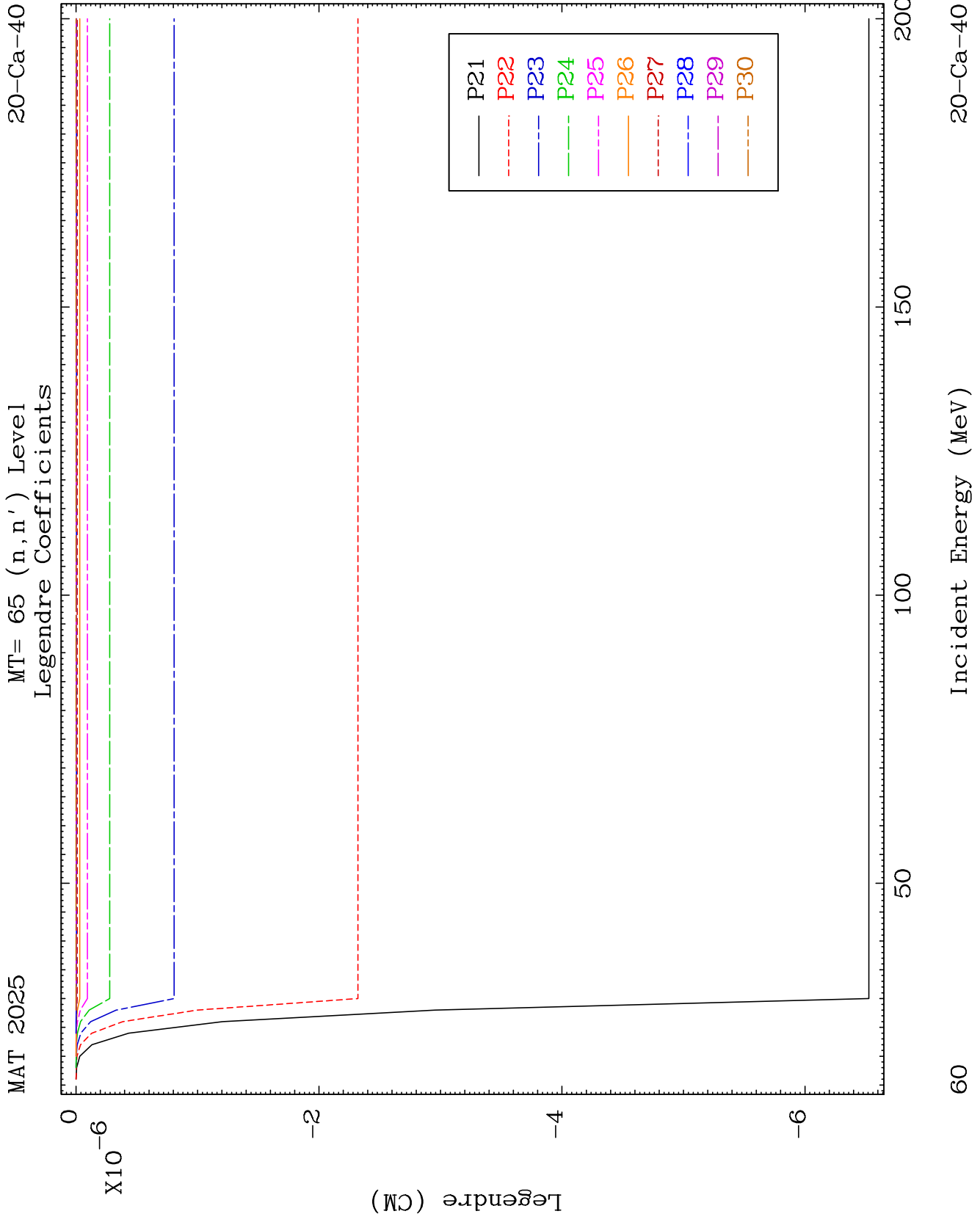
20-Ca-40



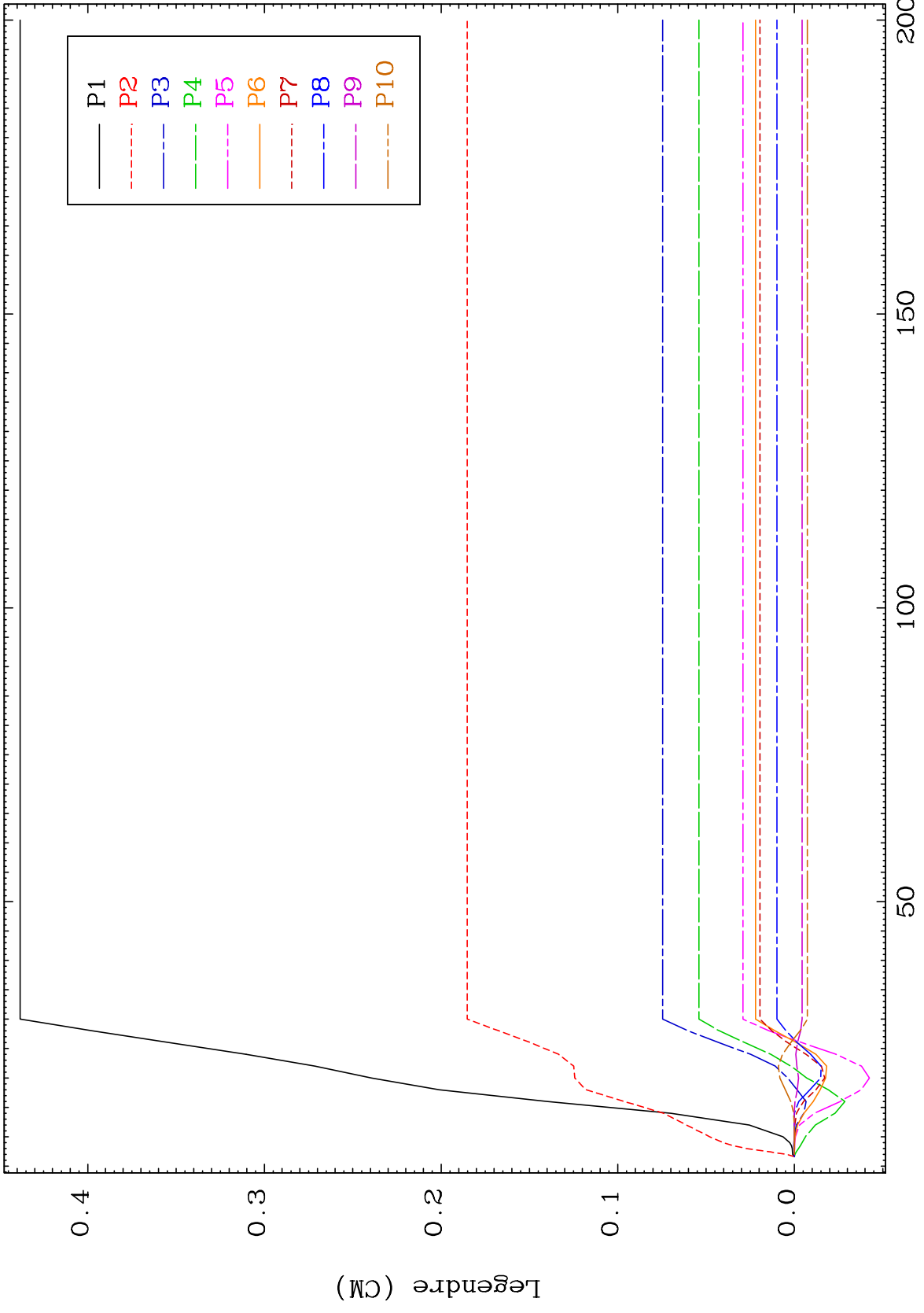
59

Incident Energy (MeV)

20-Ca-40



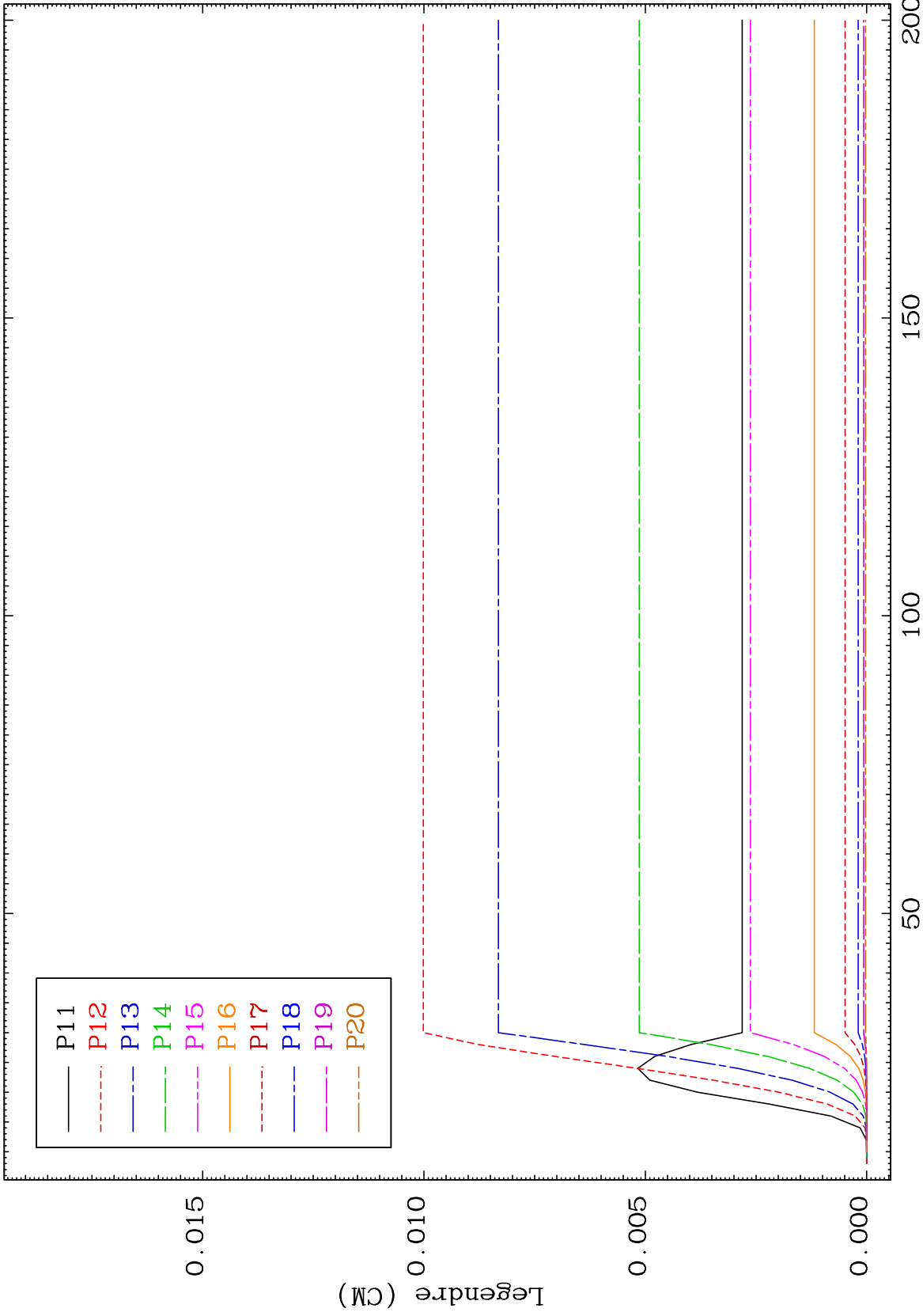
MAT 2025 MT= 66 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025

MT= 66 (n,n') Level
Legendre Coefficients

20-Ca-40



62

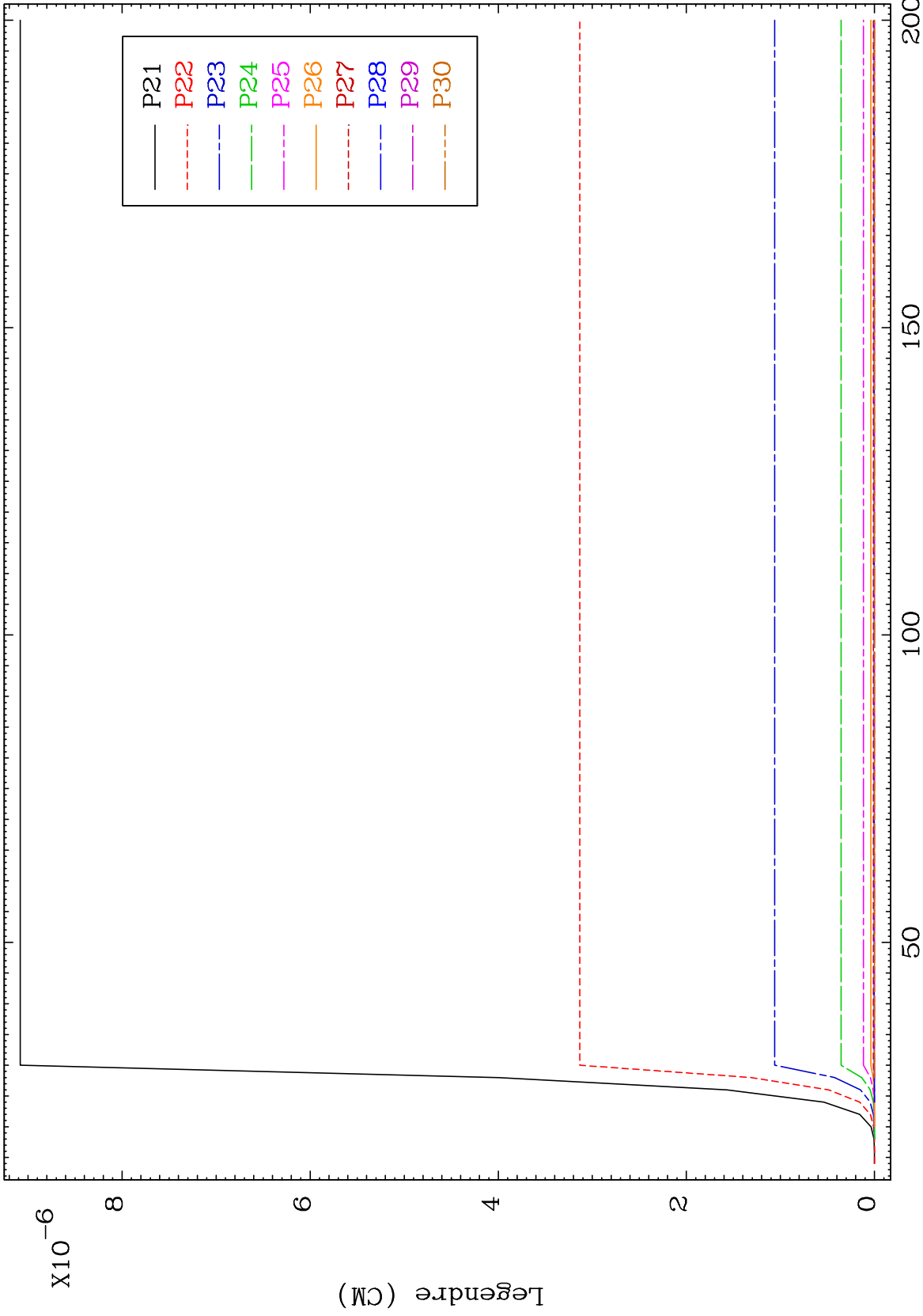
Incident Energy (MeV)

20-Ca-40

MAT 2025

MT= 66 (n,n') Level
Legendre Coefficients

20-Ca-40

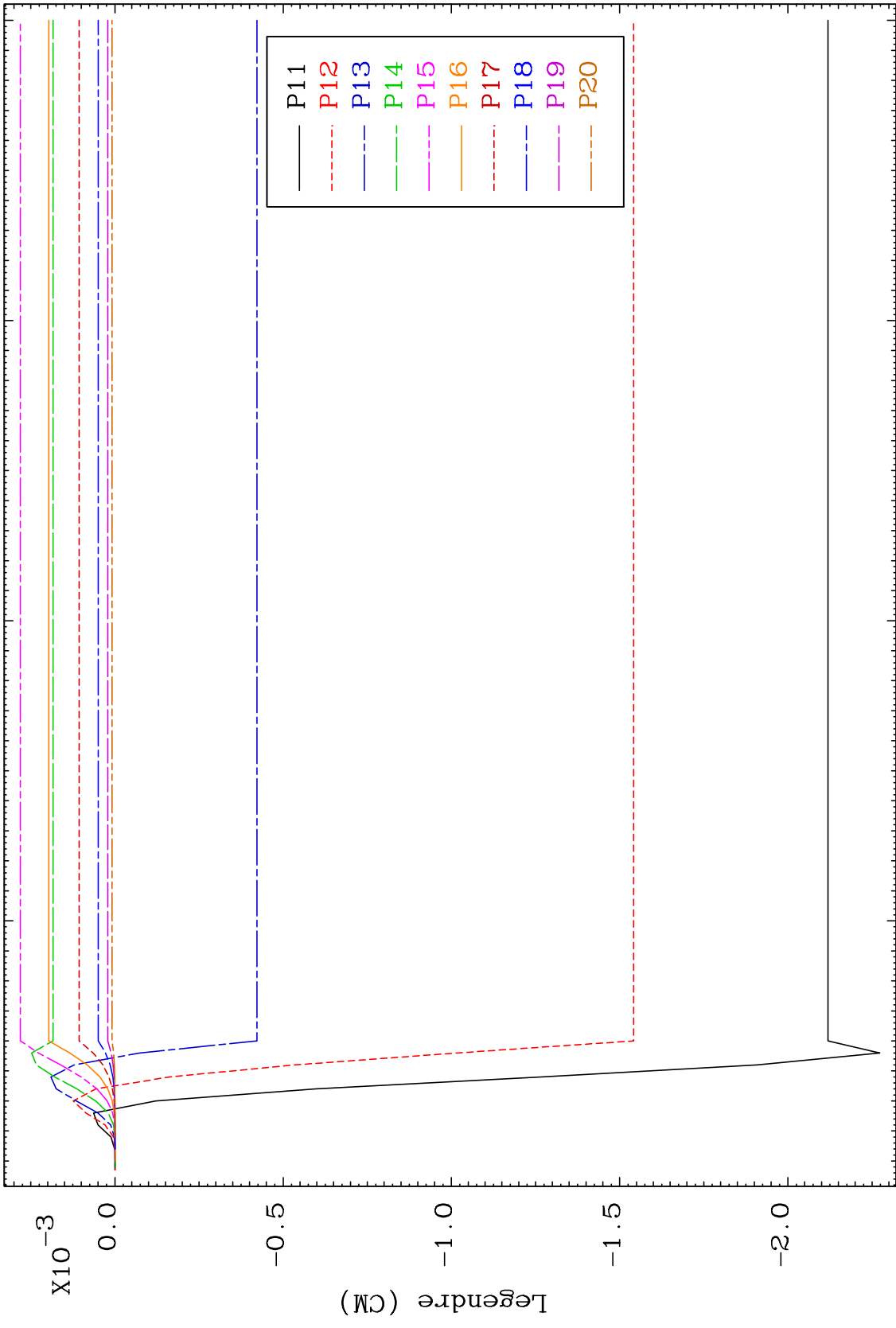


63

Incident Energy (MeV)

20-Ca-40

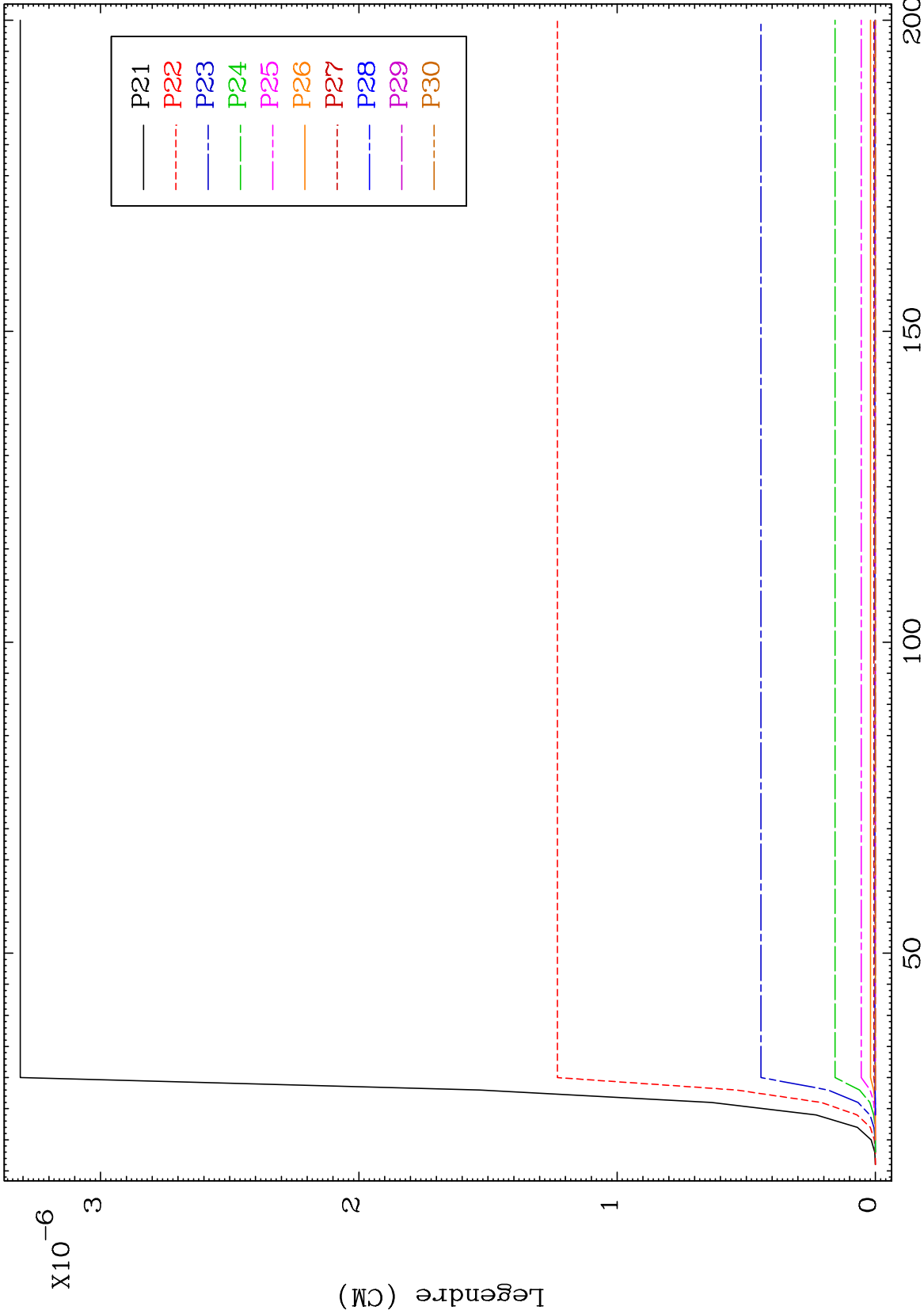
MAT 2025 MT= 67 (n,n') Level Legendre Coefficients 20-Ca-40



MAT 2025

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

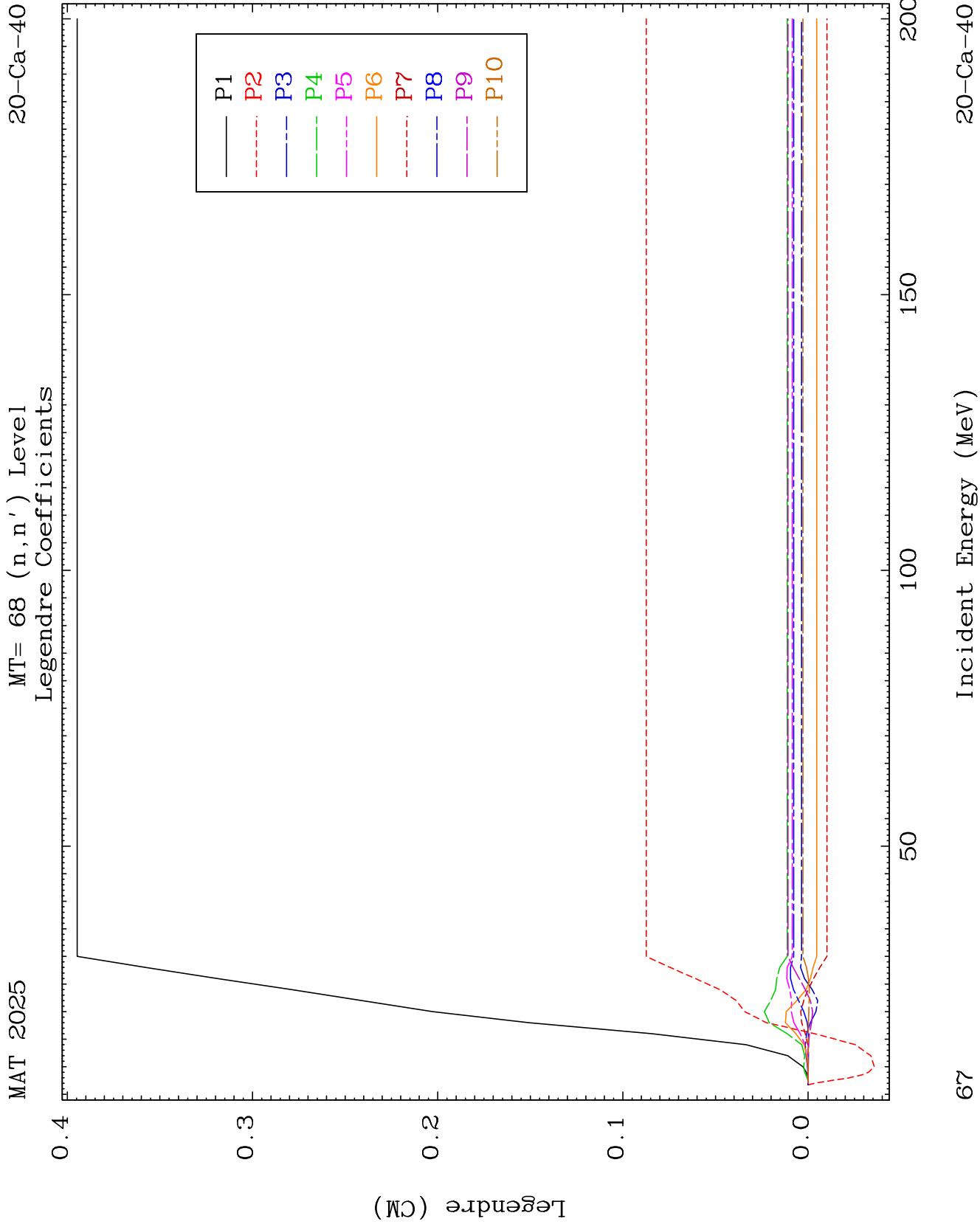
20-Ca-40

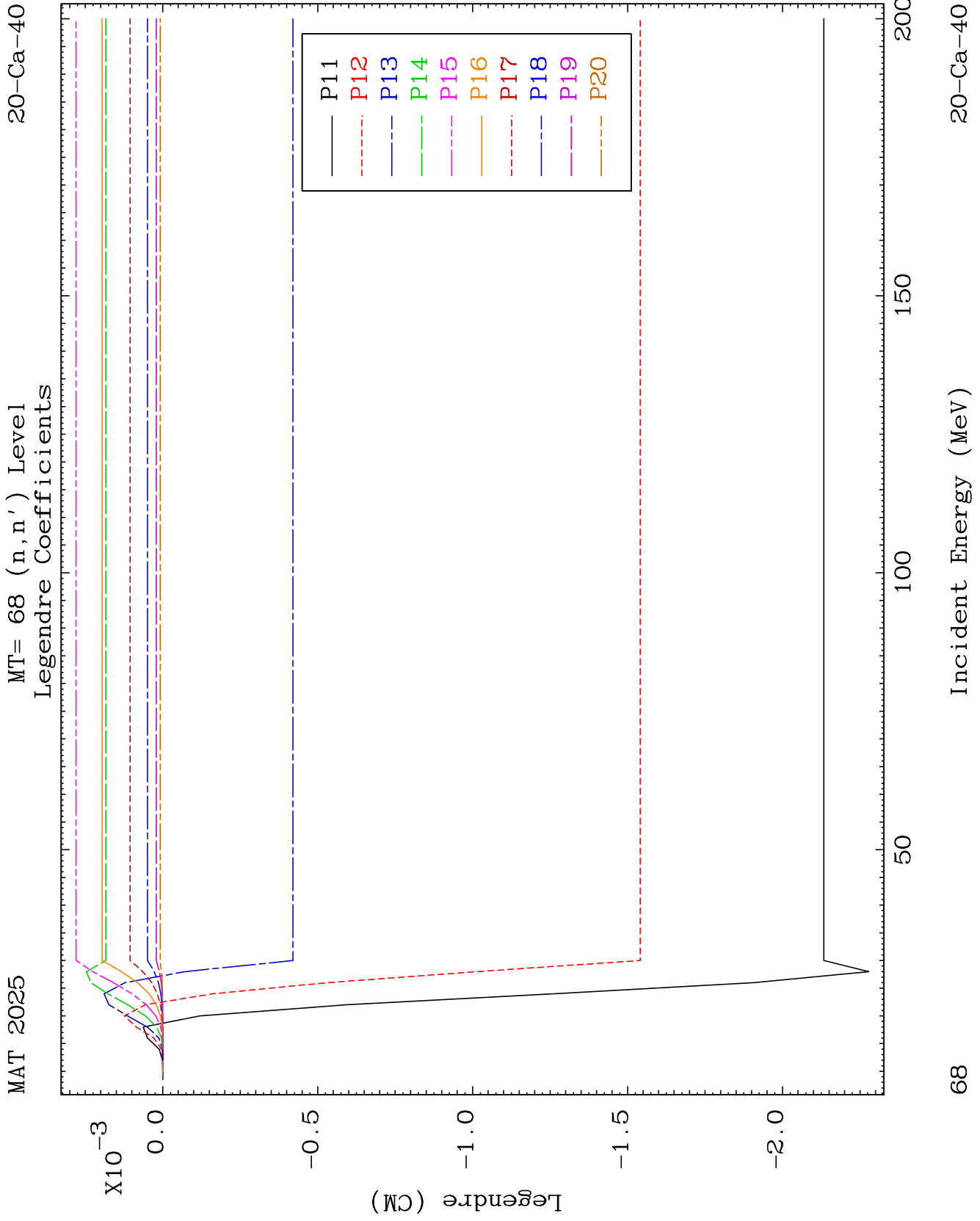


66

Incident Energy (MeV)

20-Ca-40

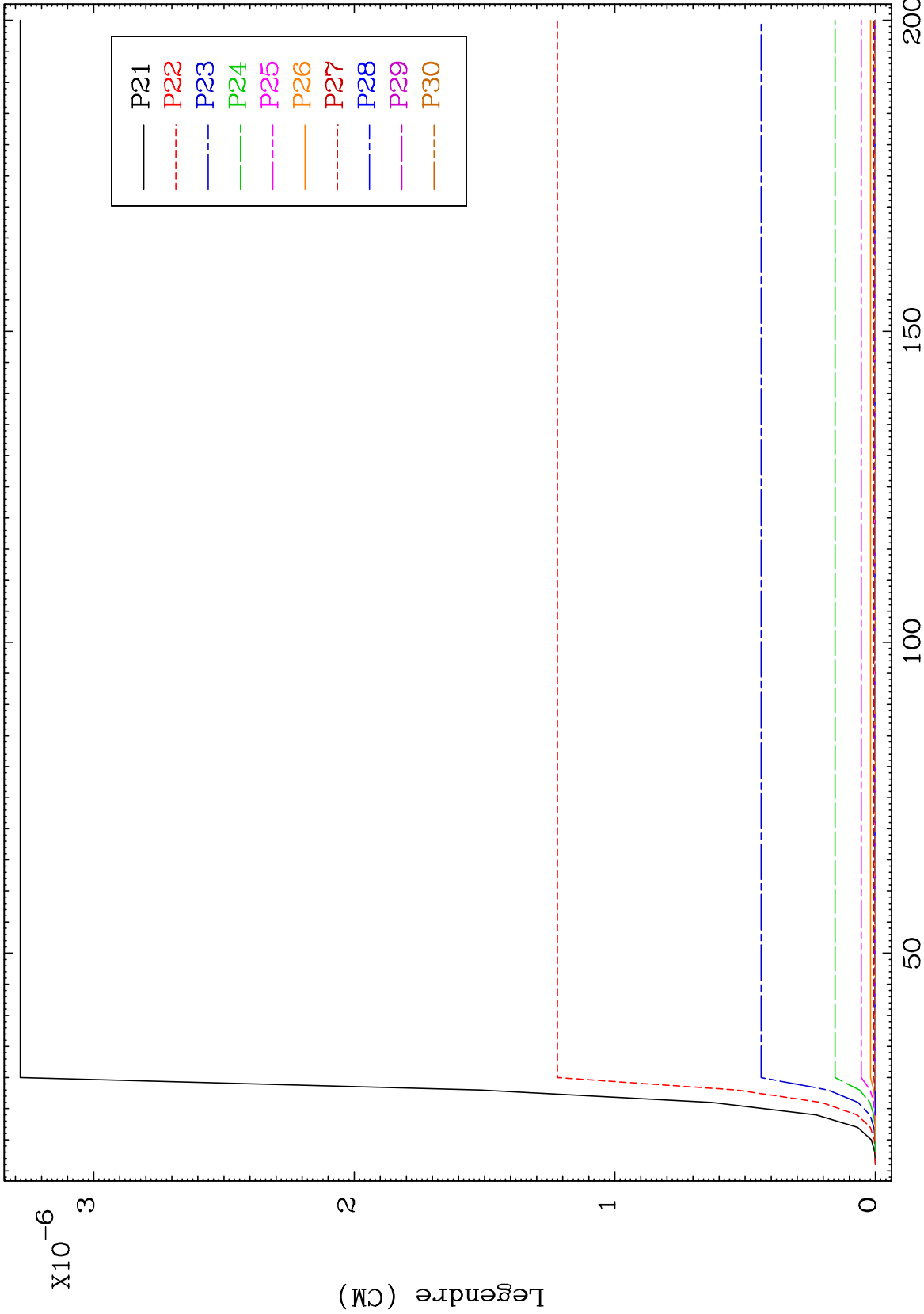




MAT 2025

MT= 68 (n,n') Level
Legendre Coefficients

20-Ca-40



69

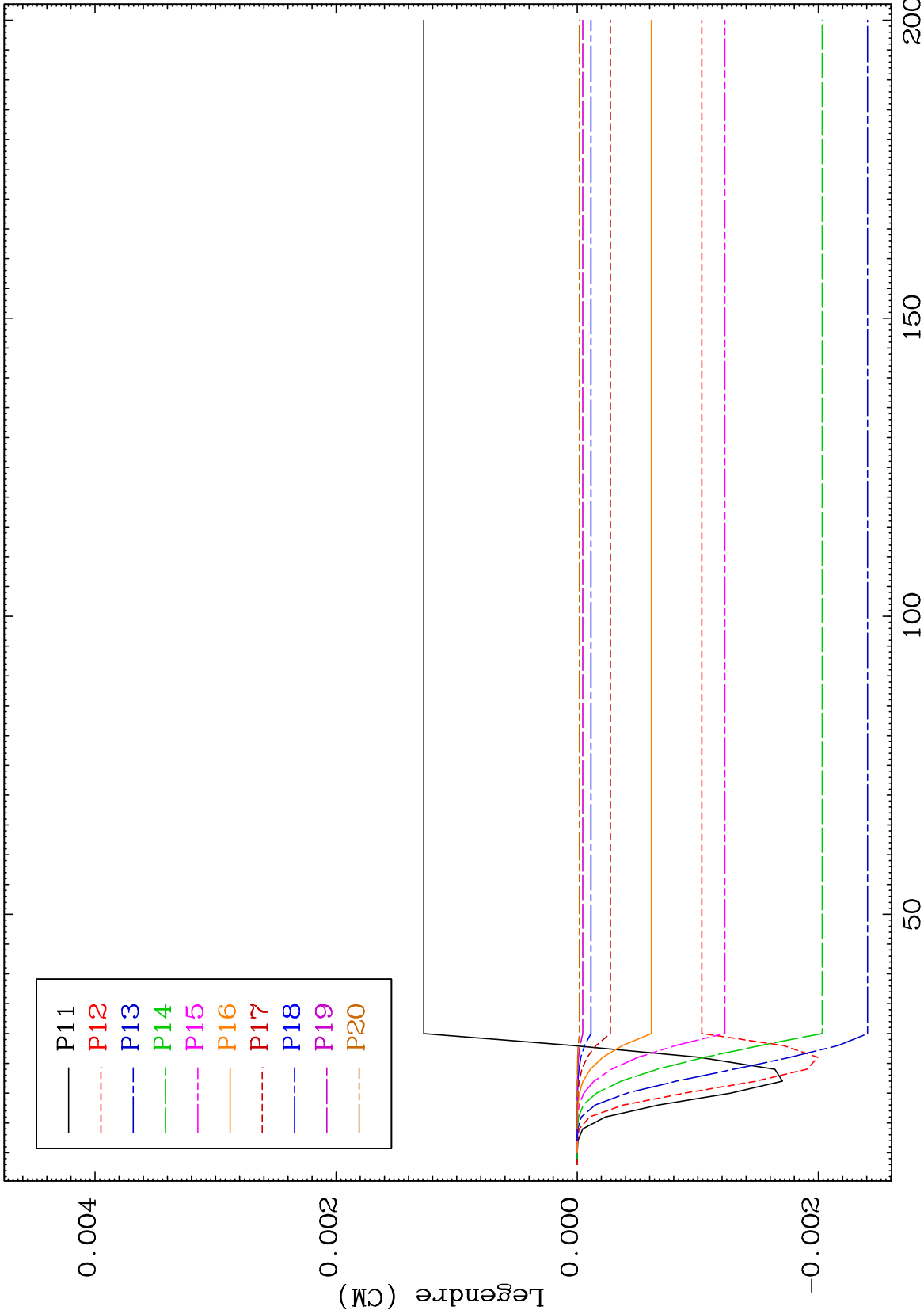
Incident Energy (MeV)

20-Ca-40

MAT 2025

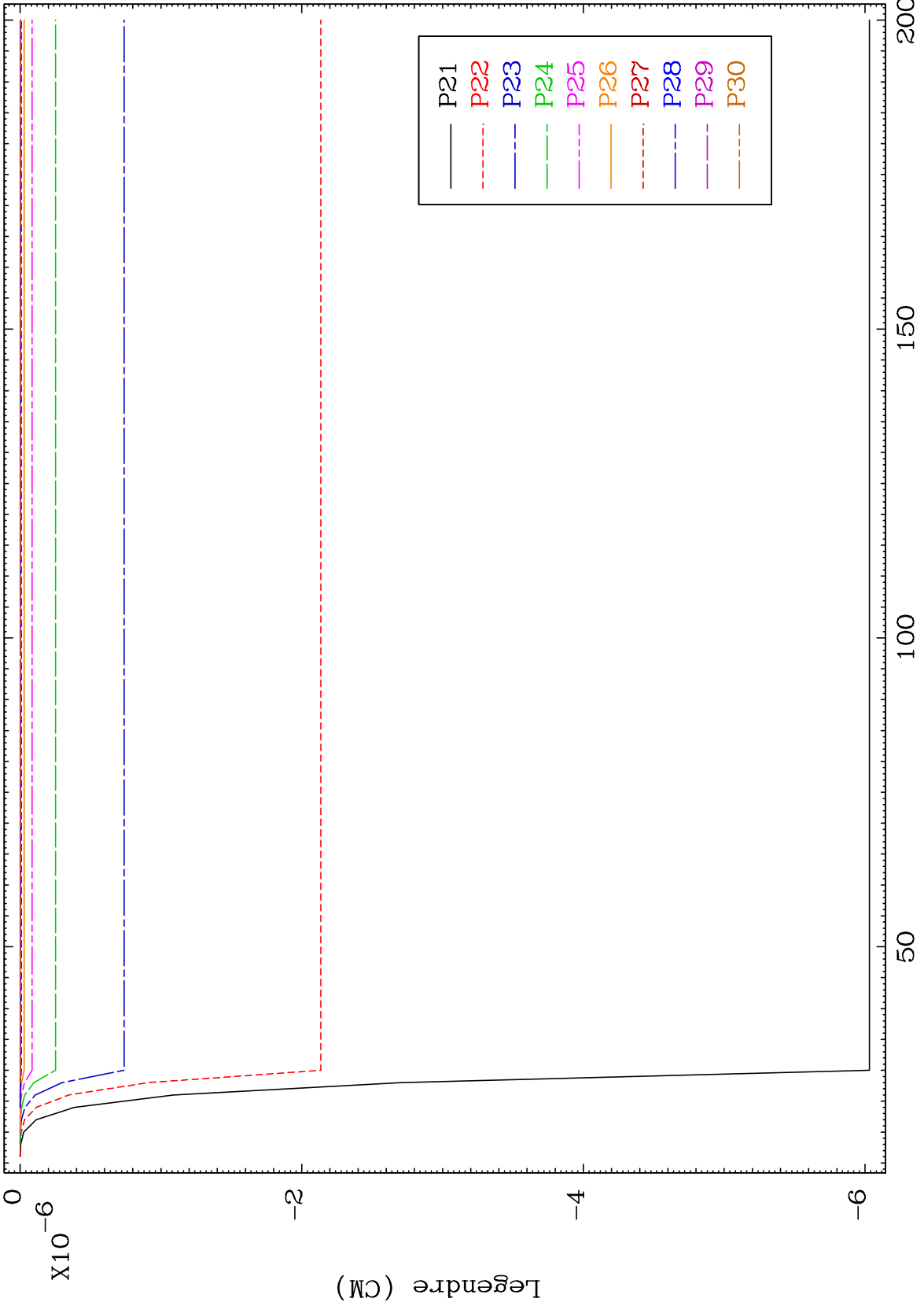
MT= 69 (n,n') Level
Legendre Coefficients

20-Ca-40



20-Ca-40

MAT 2025 MT= 69 (n,n') Level Legendre Coefficients 20-Ca-40

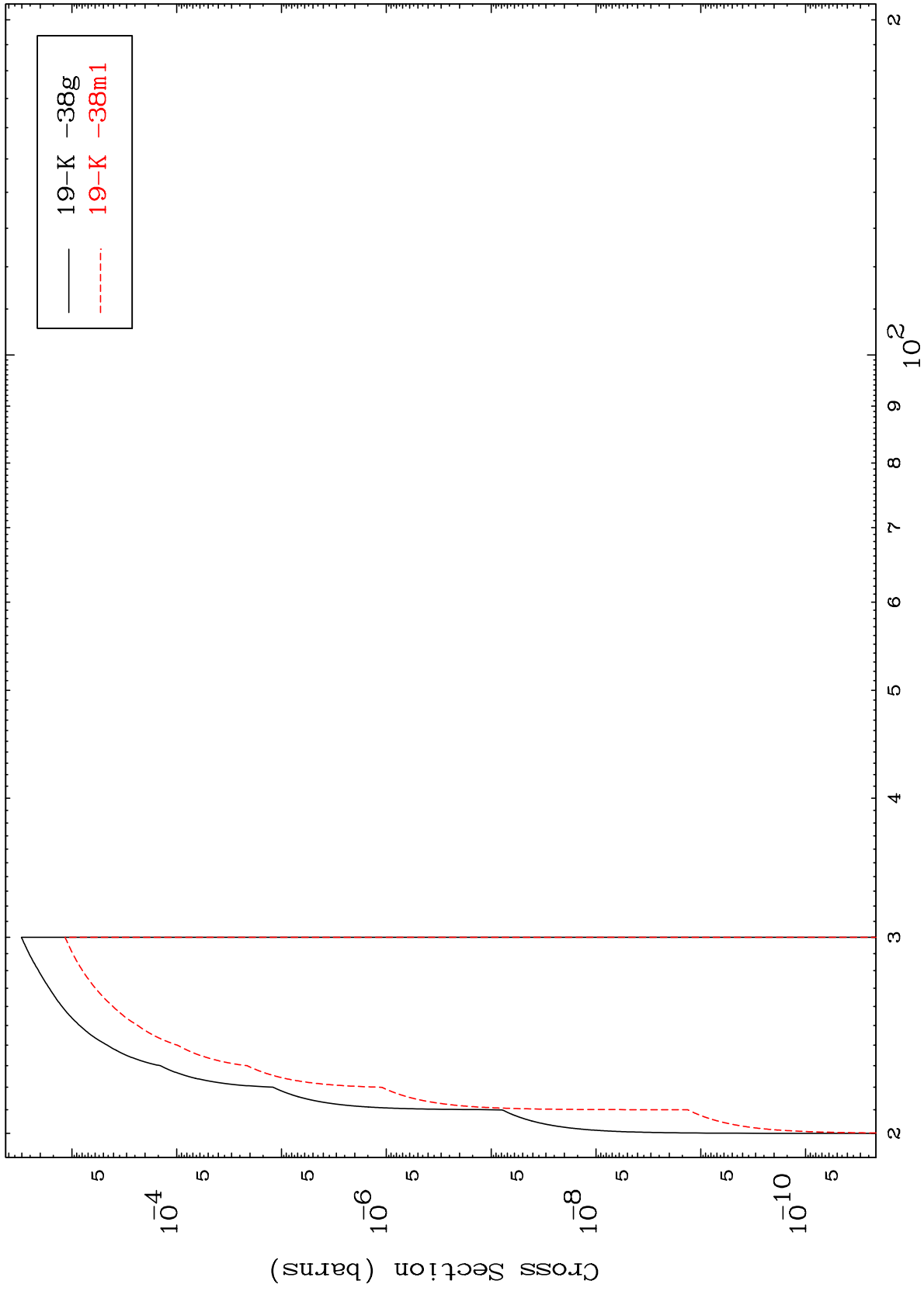


MAT 2025

(n,n') d

20-Ca-40

Radionuclide Production Cross Section



73

Incident Energy (MeV)

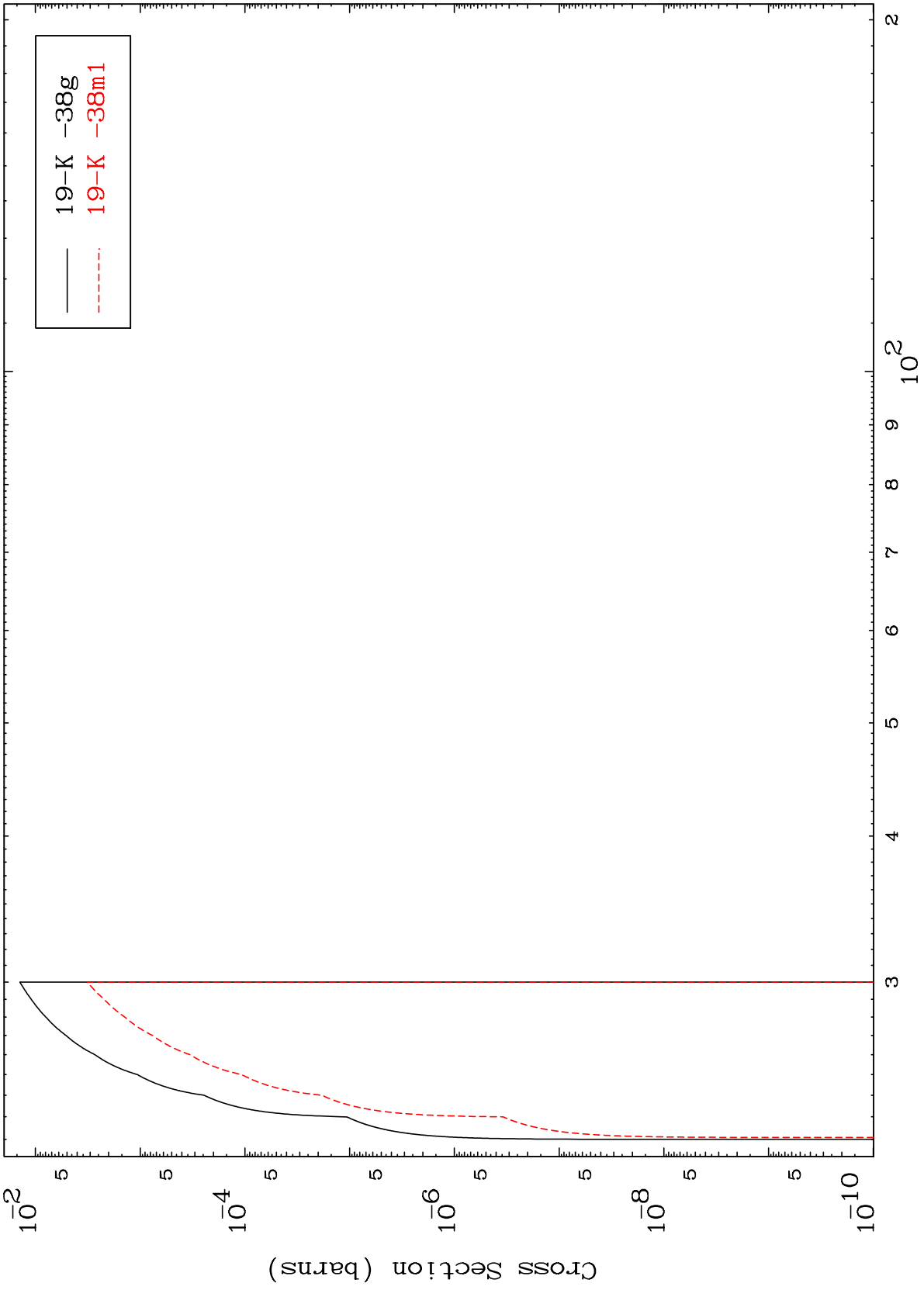
20-Ca-40

MAT 2025

(n,2n) p

20-Ca-40

Radionuclide Production Cross Section



19-K -38g
19-K -38m1

74

Incident Energy (MeV)

20-Ca-40

