

Program EVALPLOT
(Version 2015-2)

by

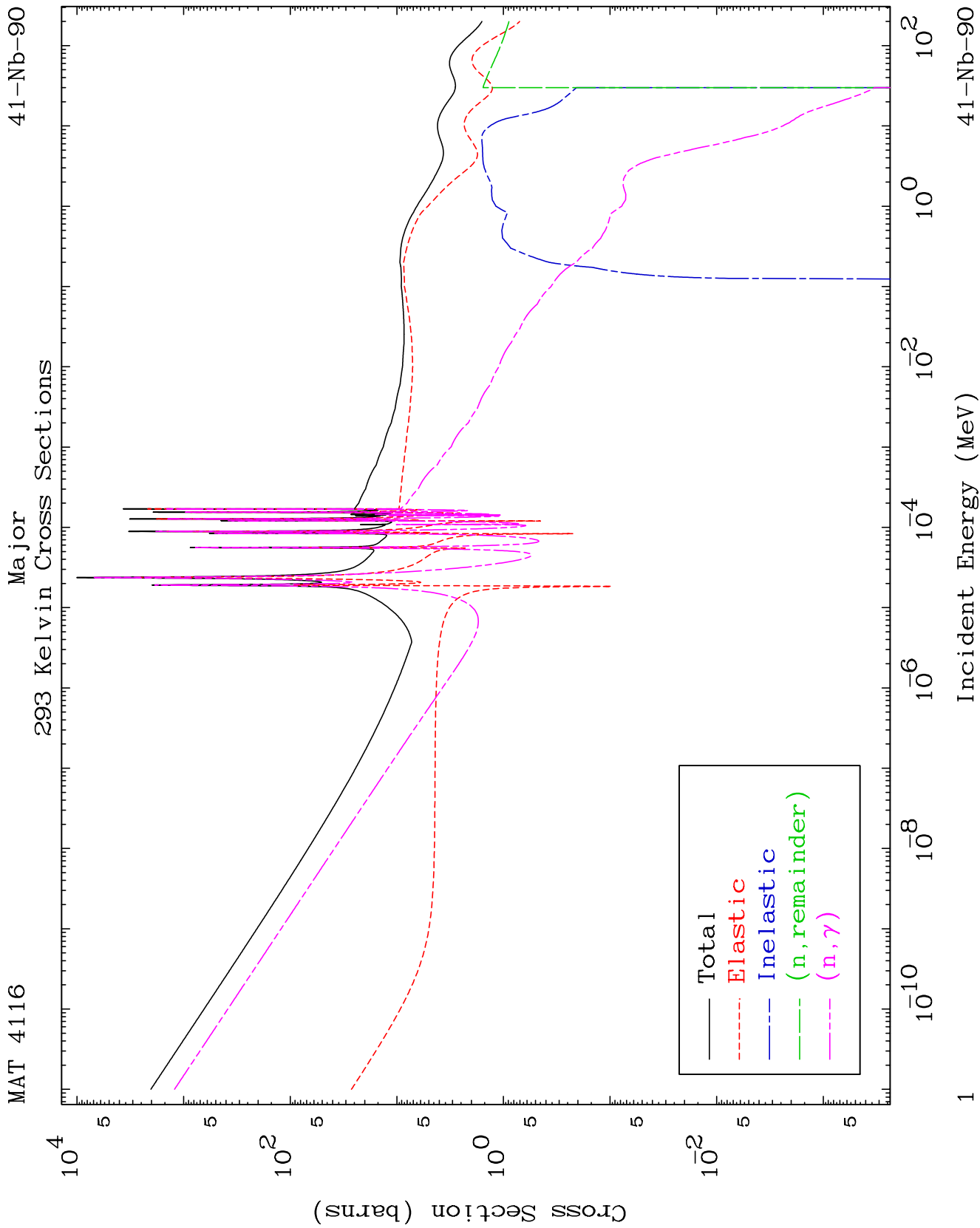
Dermott E. Cullen
(Present Contact Information)

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

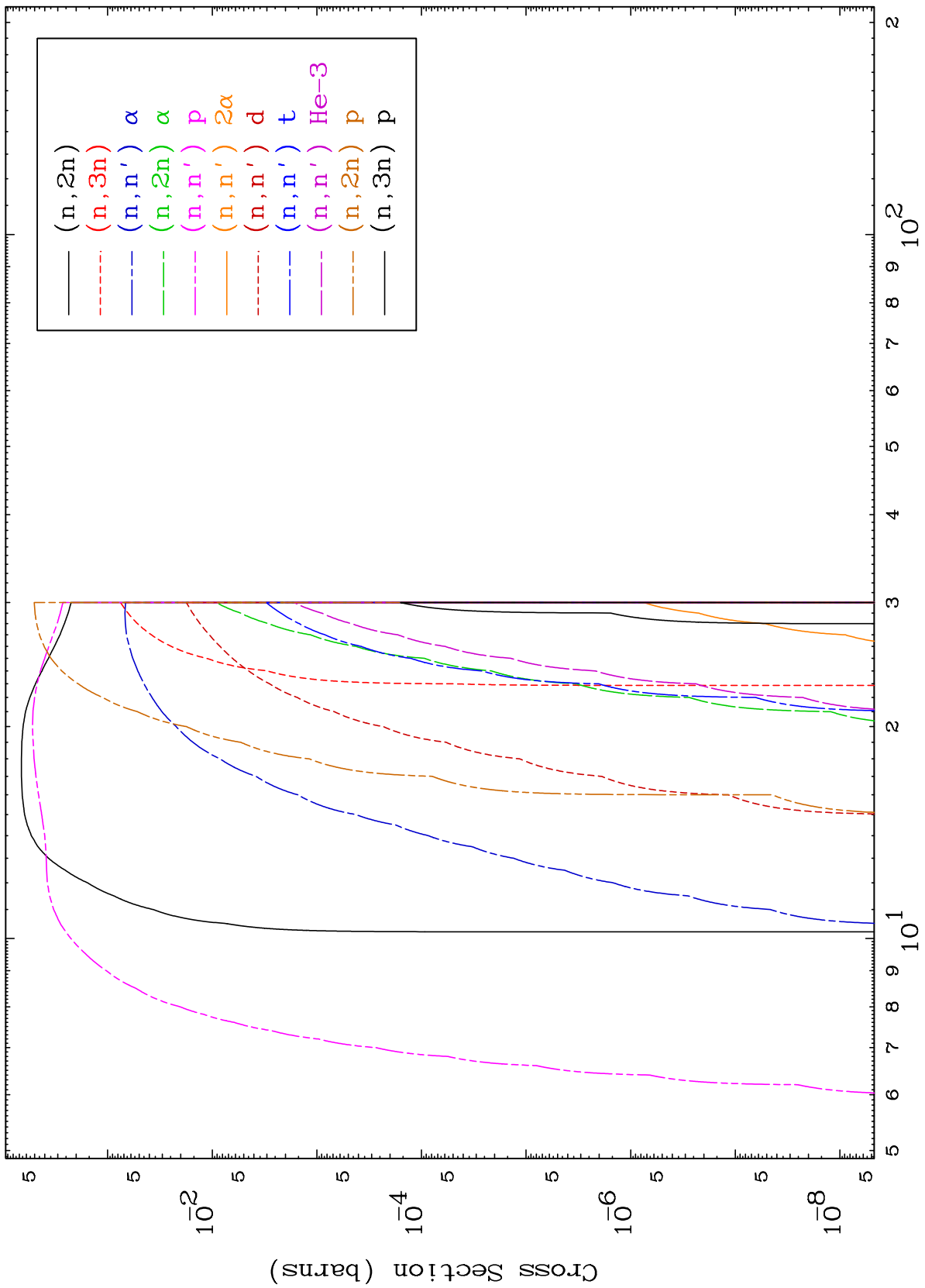
Tele: 925-443-1911

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

Press Mouse Button to Start



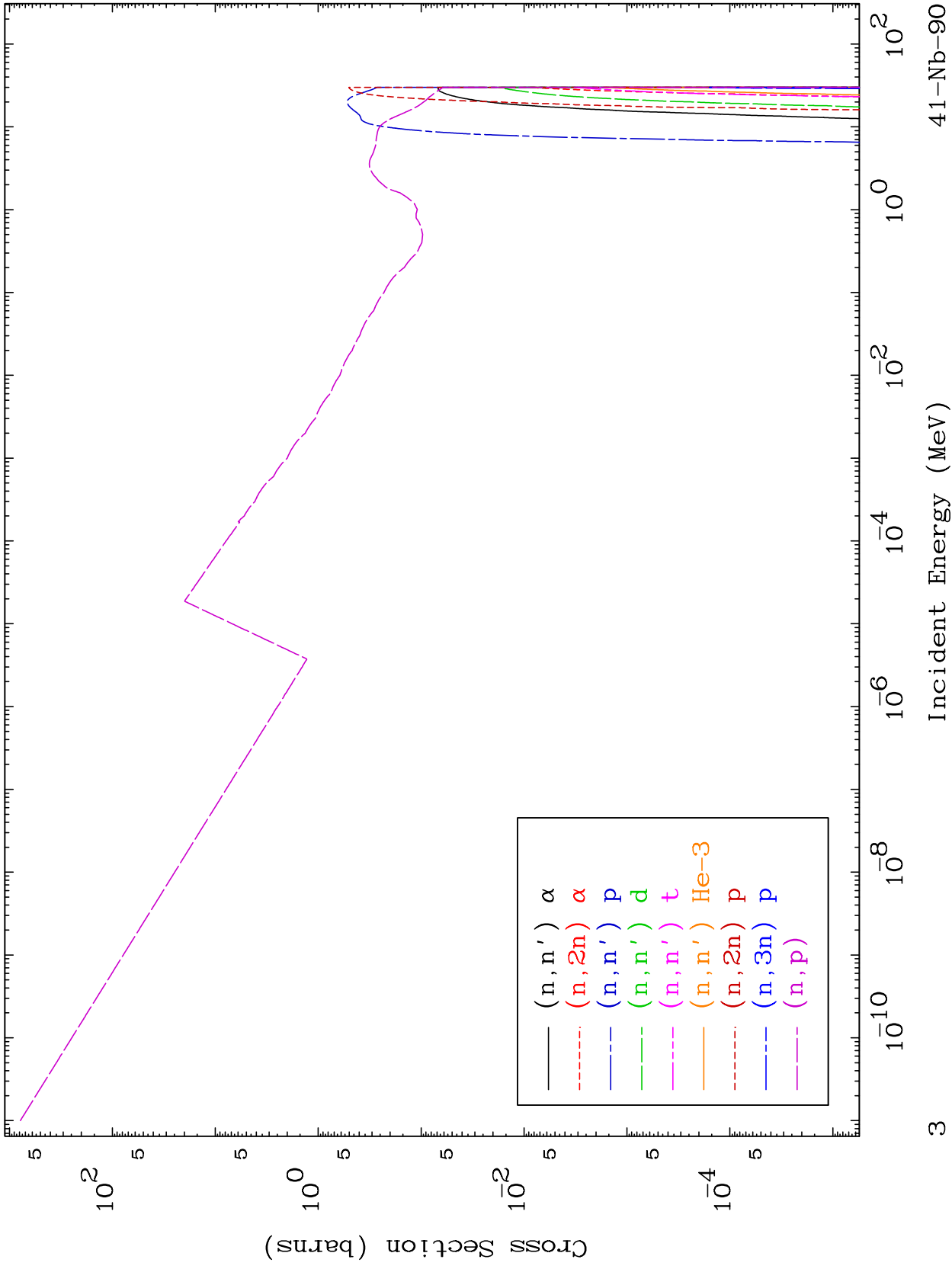
Neutron Production
293 Kelvin Cross Sections



MAT 4116

Charged Particle
293 Kelvin Cross Sections

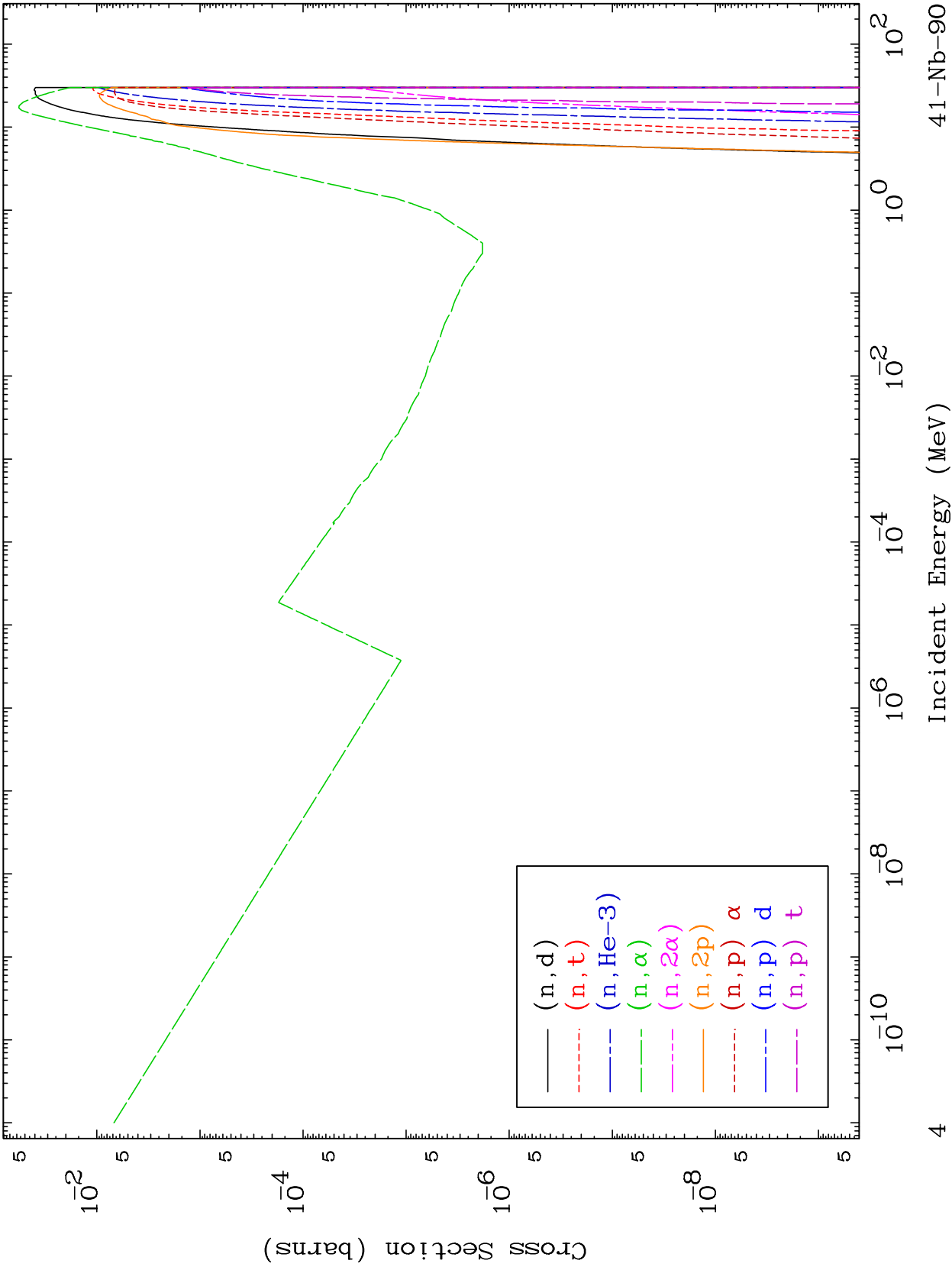
41-Nb-90



MAT 4116

Charged Particle
293 Kelvin Cross Sections

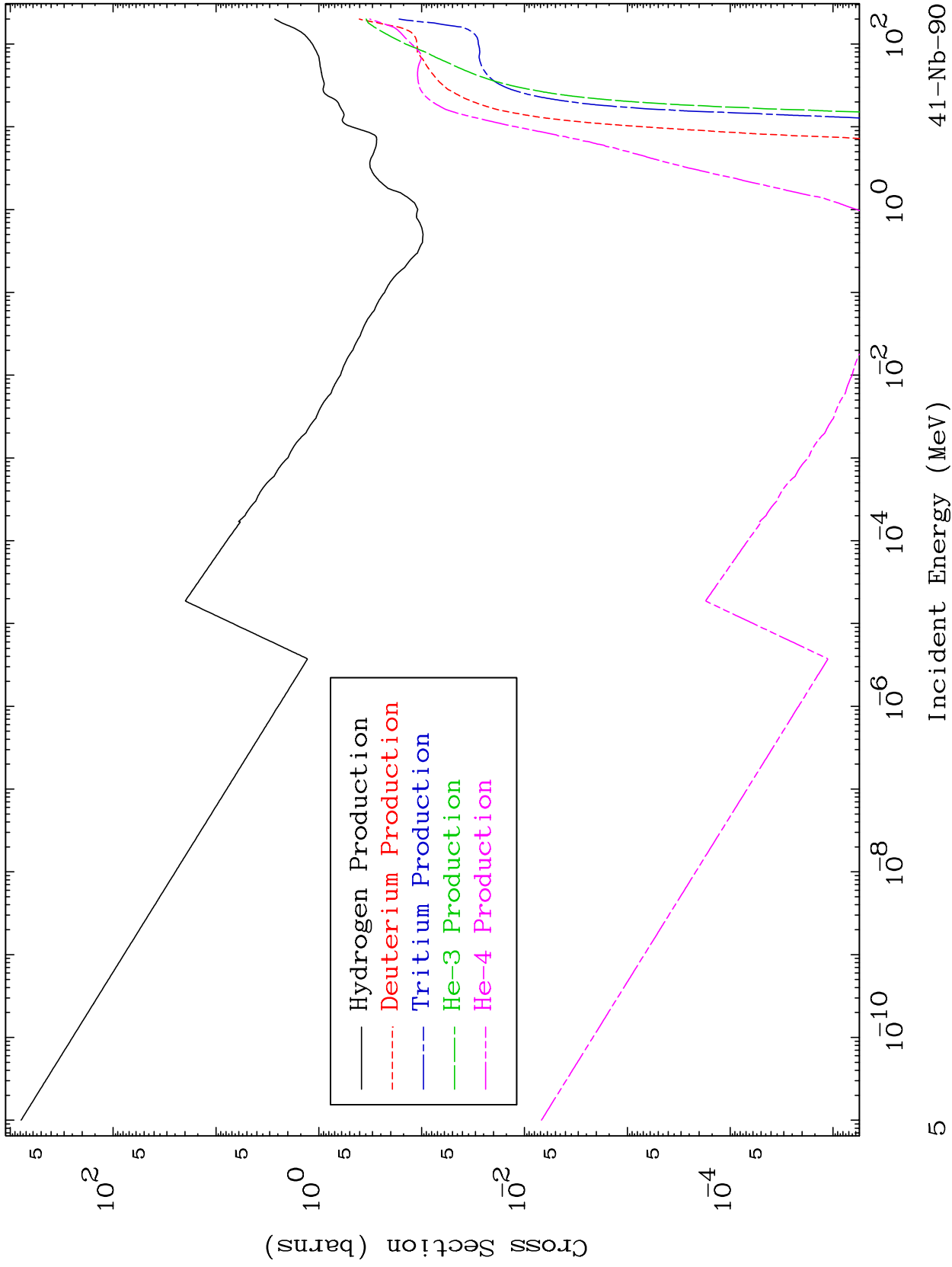
41-Nb-90



MAT 4116

Particle Production
293 Kelvin Cross Sections

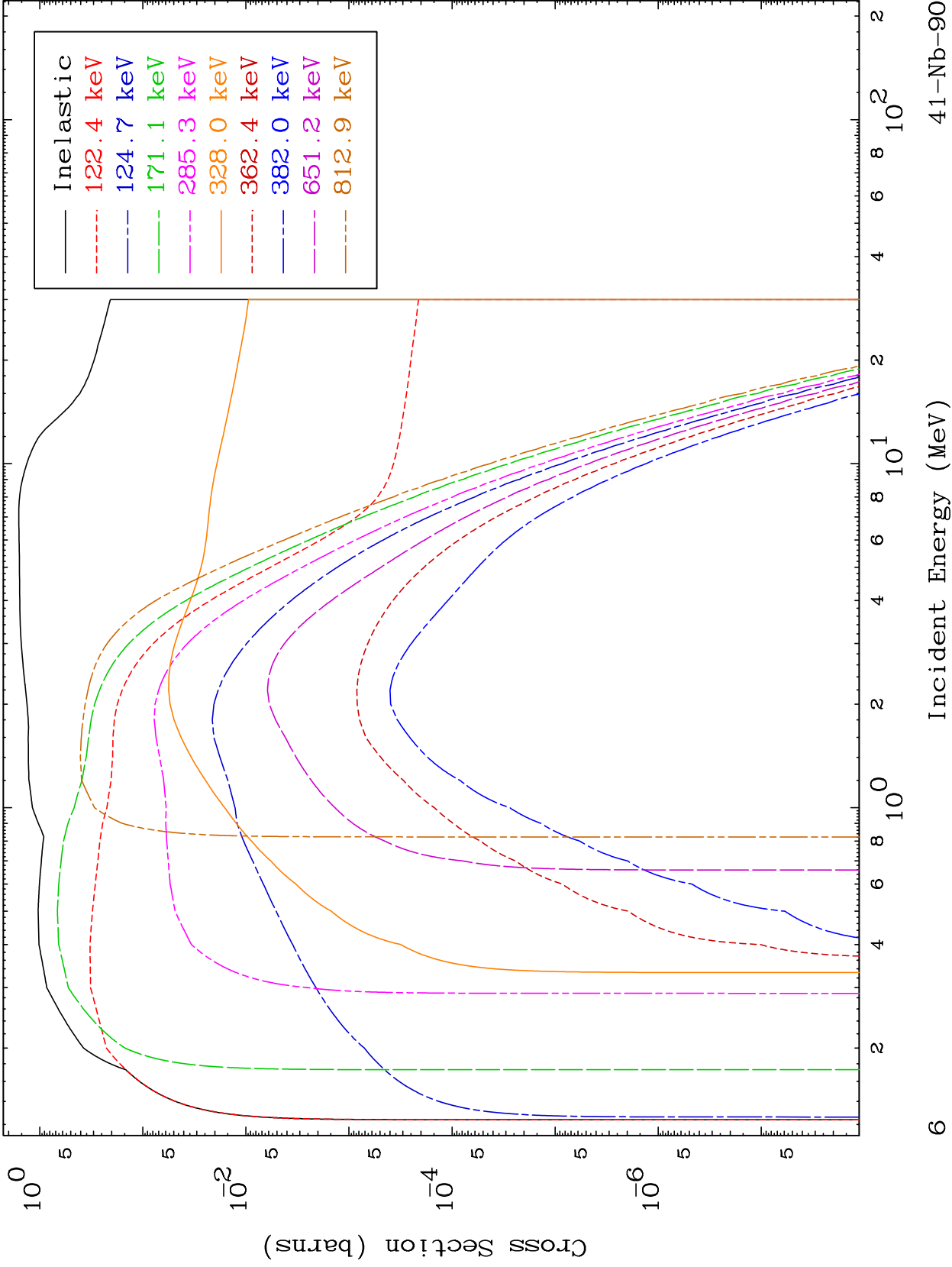
41-Nb-90



MAT 4116

(n,n') Level
293 Kelvin Cross Sections

41-Nb-90

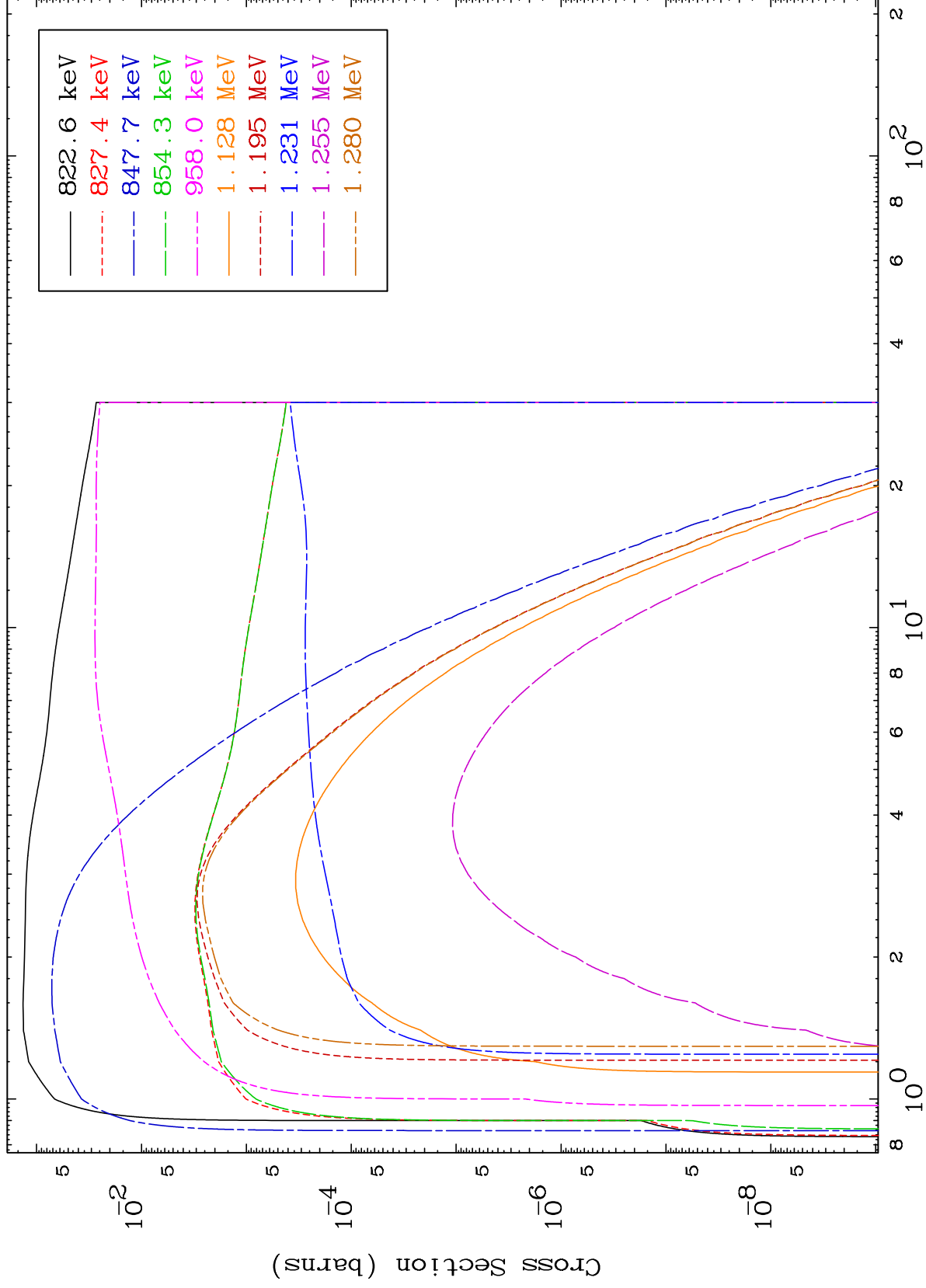


MAT 4116

(n,n') Level

41-Nb-90

293 Kelvin Cross Sections



Incident Energy (MeV)

41-Nb-90

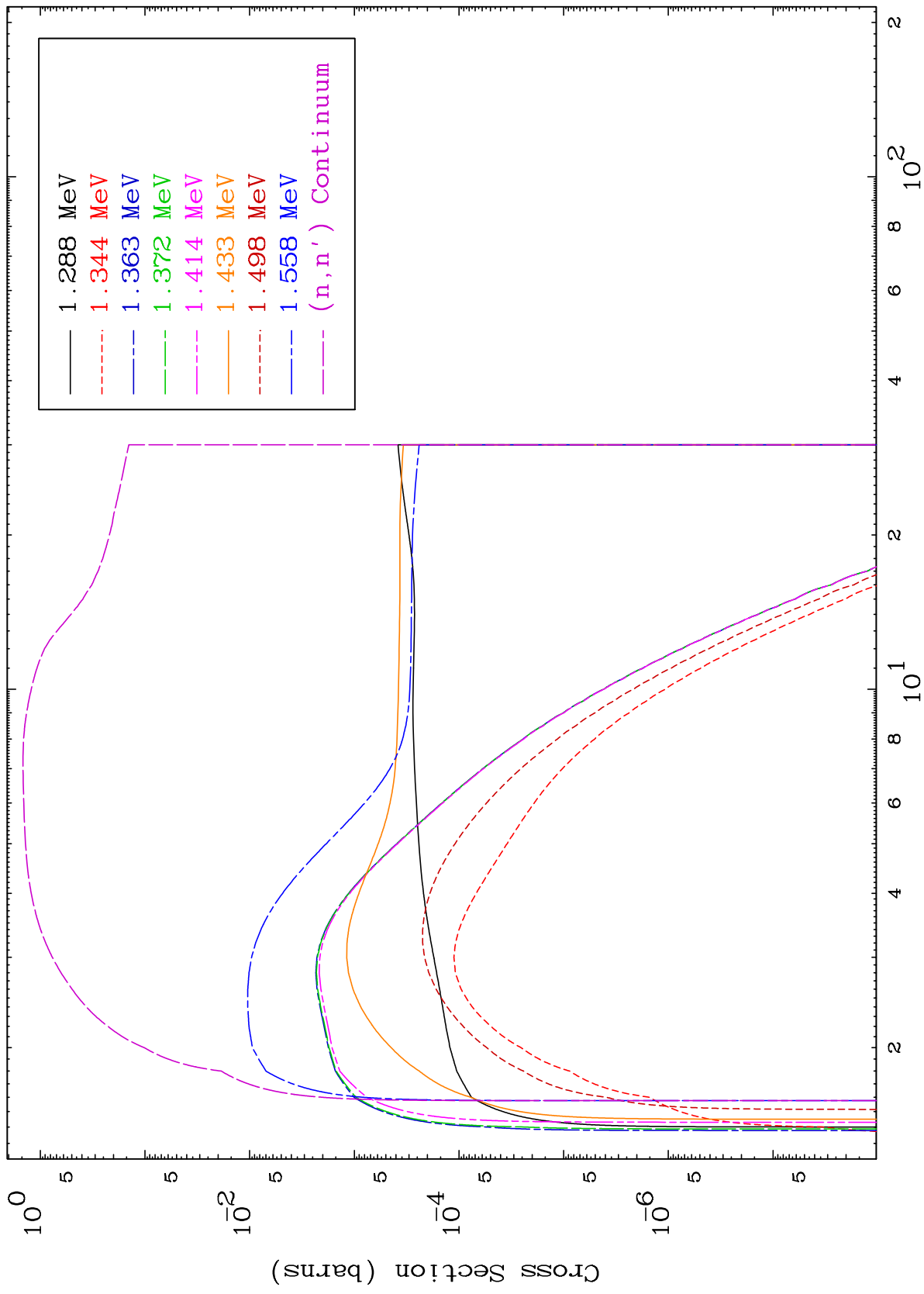
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MAT 4116

(n,n') Level

41-Nb-90

293 Kelvin Cross Sections



8

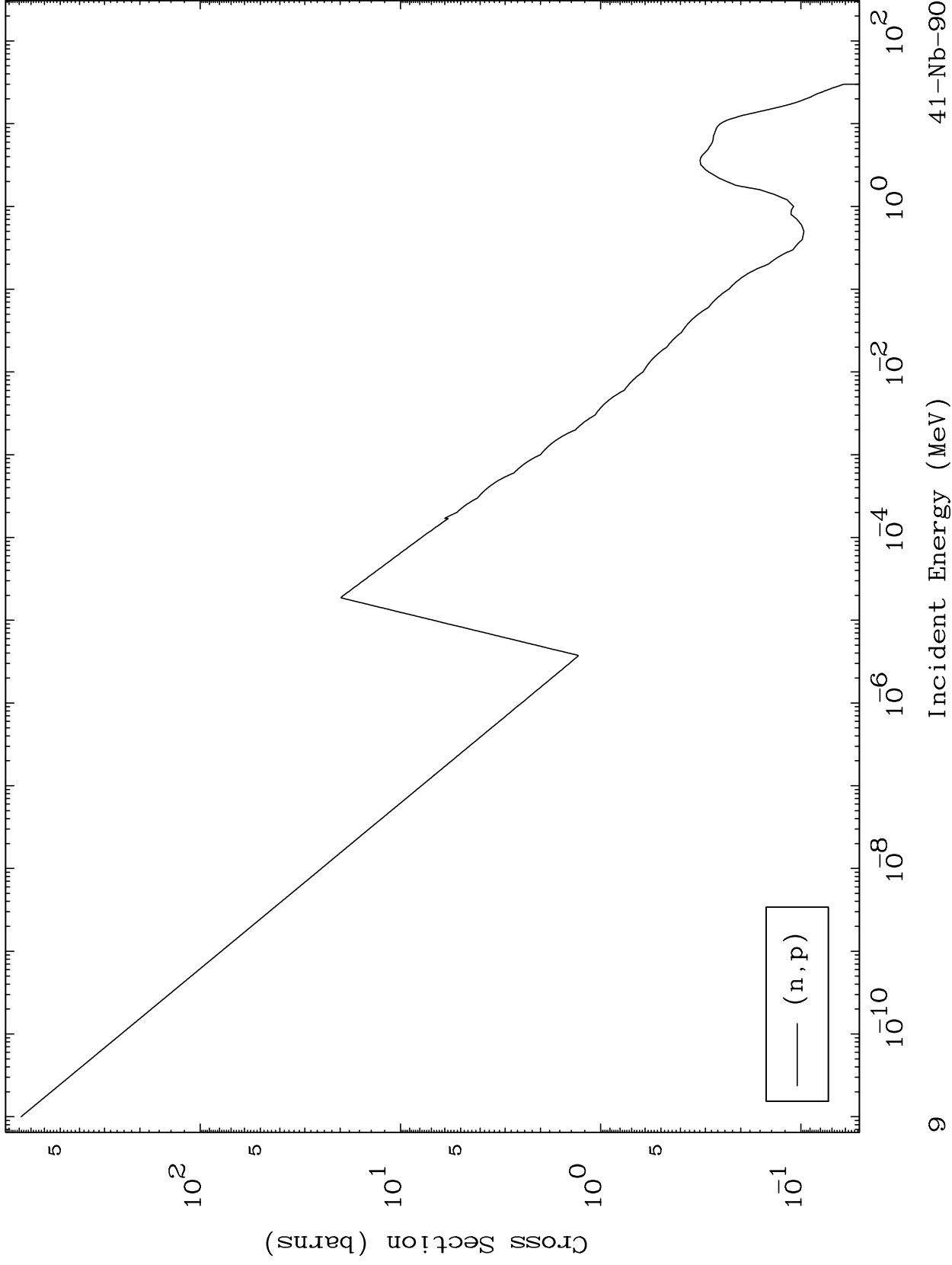
Incident Energy (MeV)

41-Nb-90

MAT 4116

(n,p) Levels
293 Kelvin Cross Sections

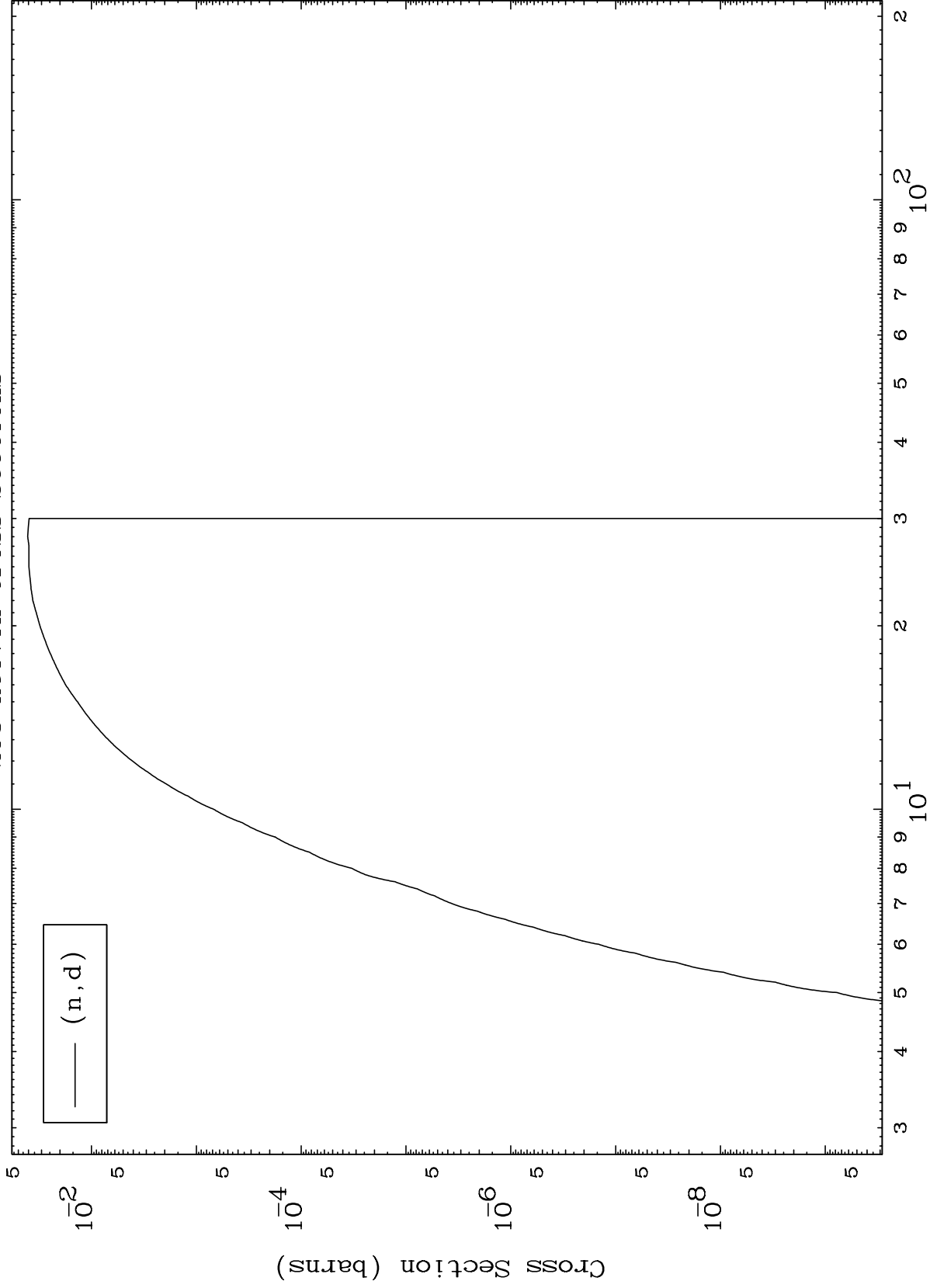
41-Nb-90



MAT 4116

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-90



10

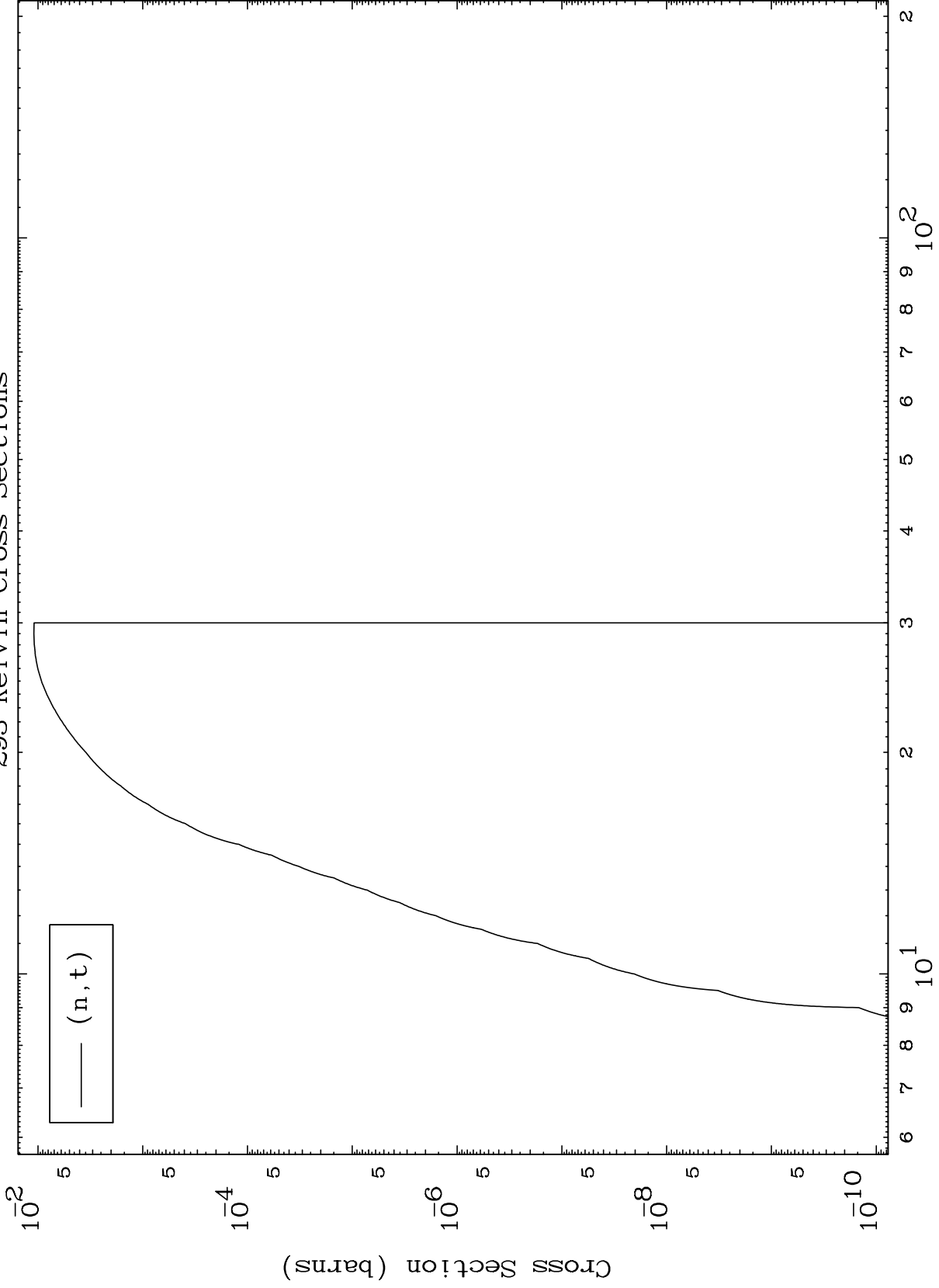
Incident Energy (MeV)

41-Nb-90

MAT 4116

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-90



11

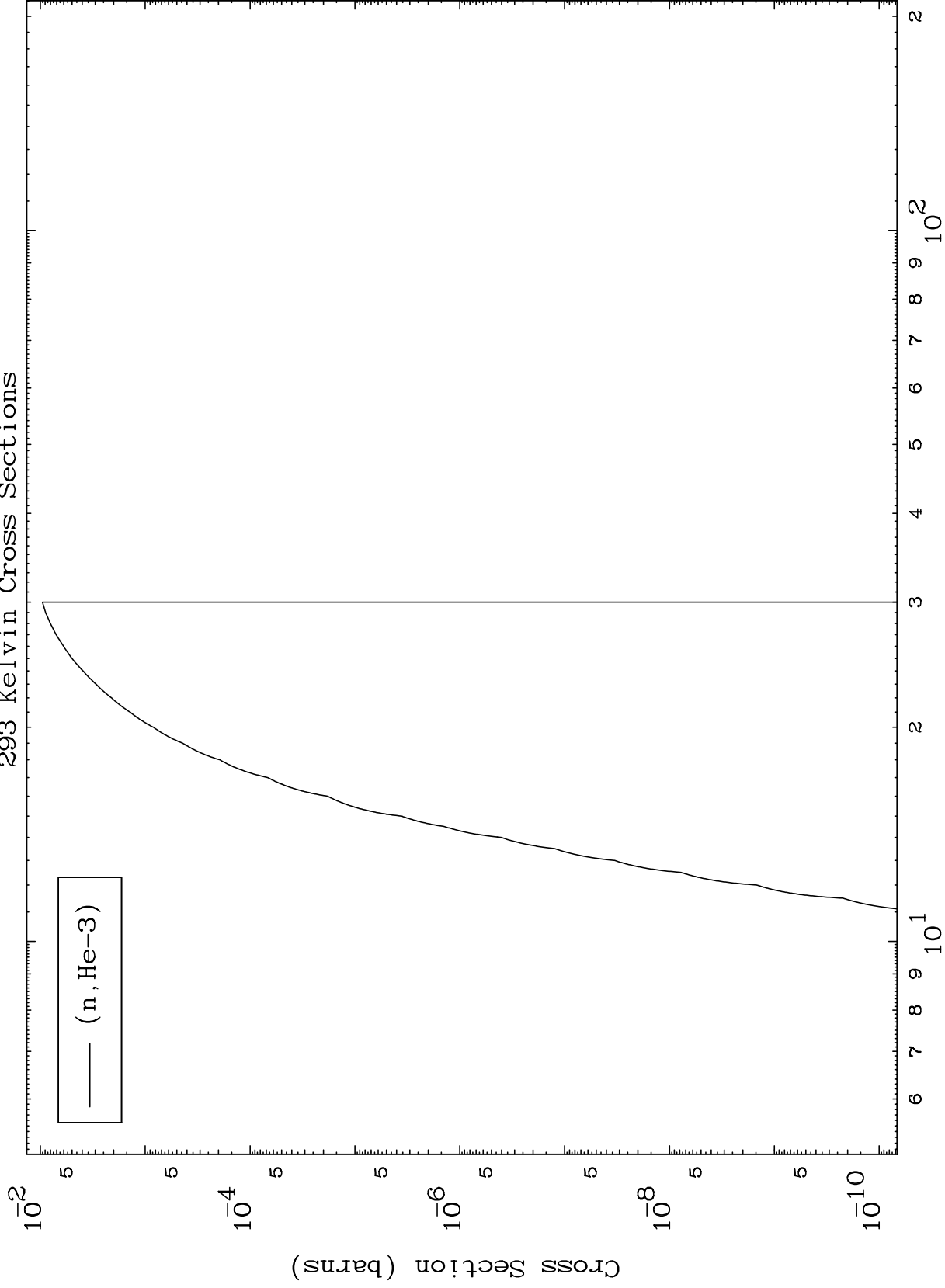
Incident Energy (MeV)

41-Nb-90

MAT 4116

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-90



12

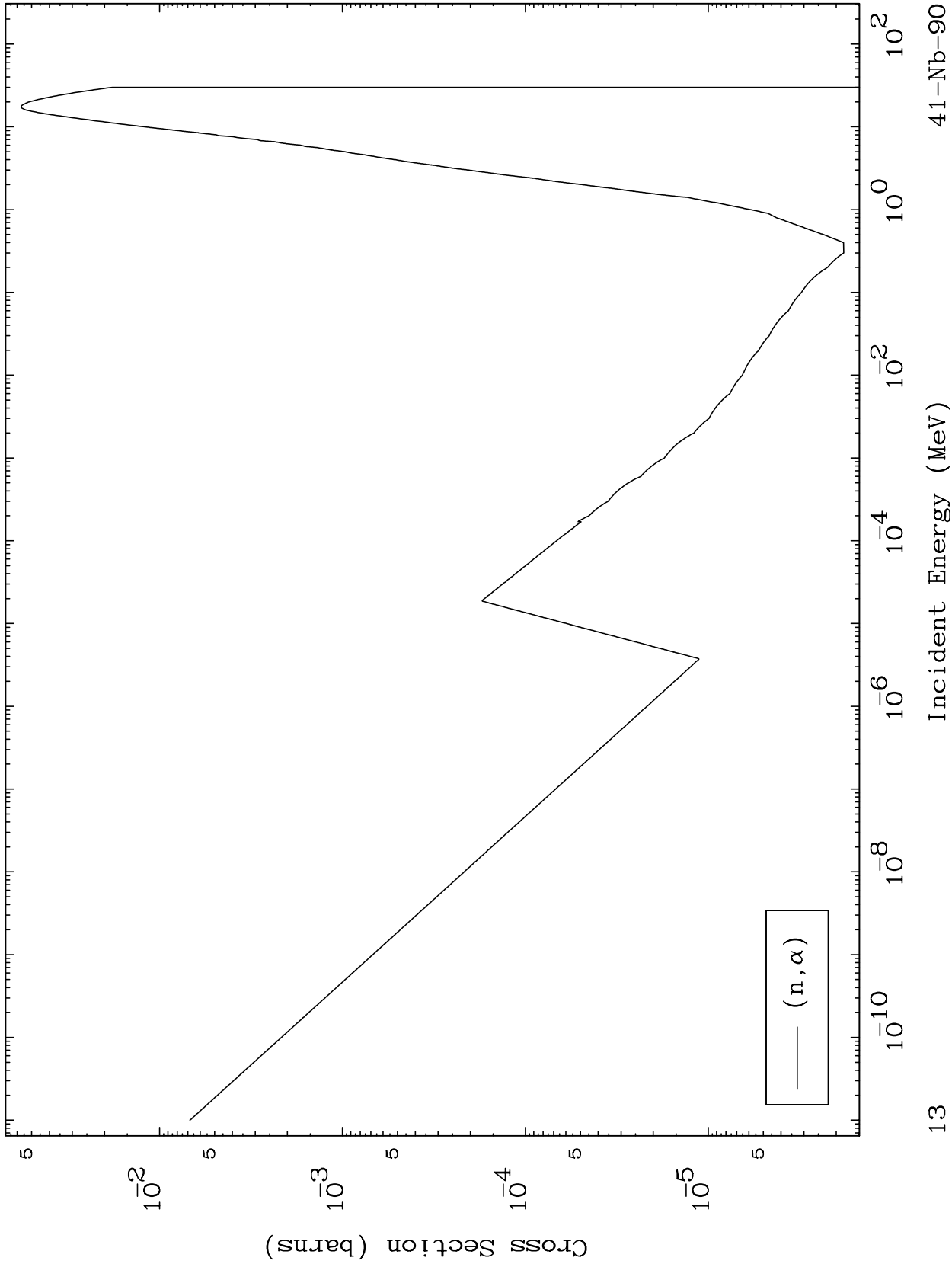
Incident Energy (MeV)

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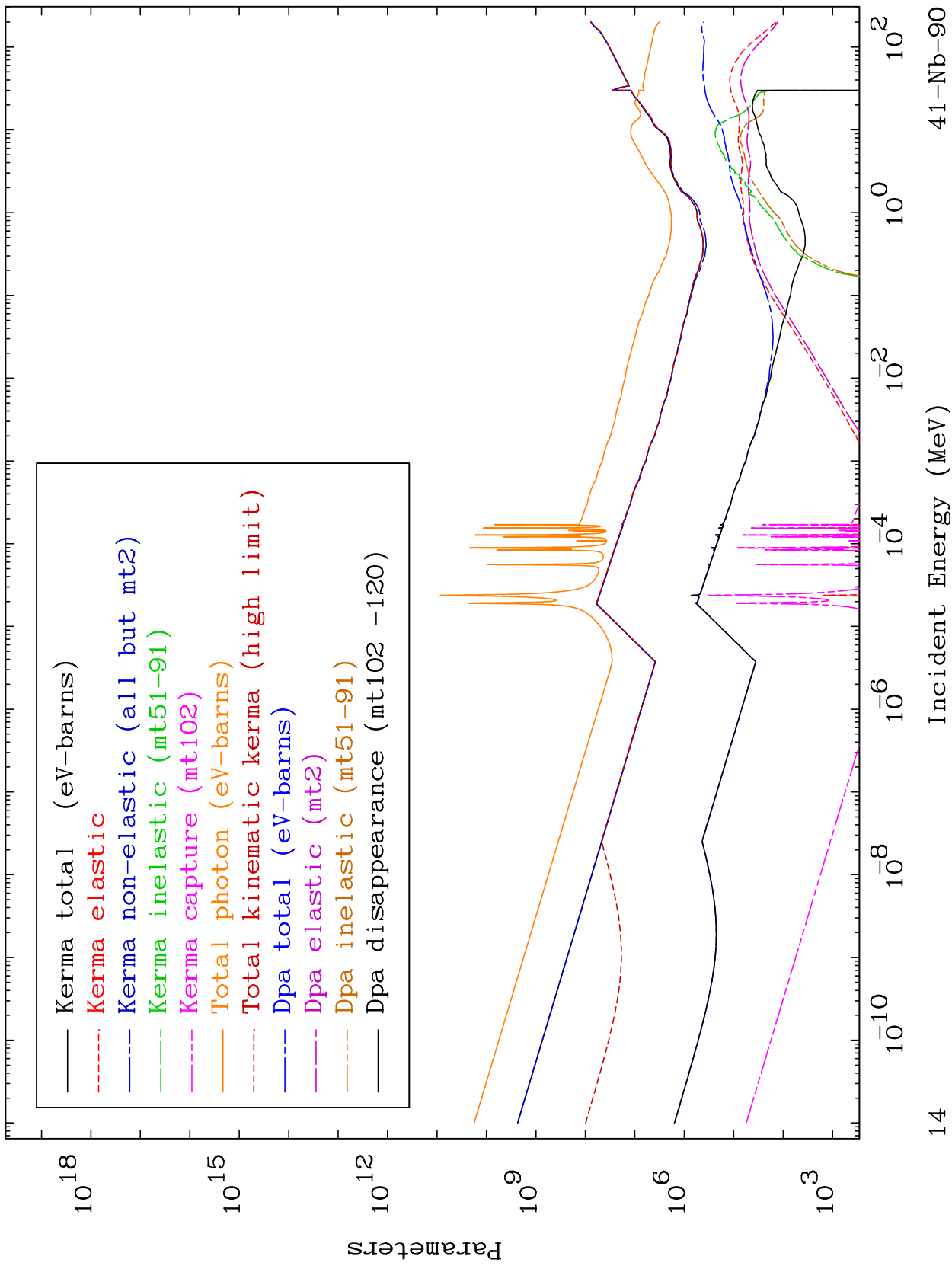
MAT 4116

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-90



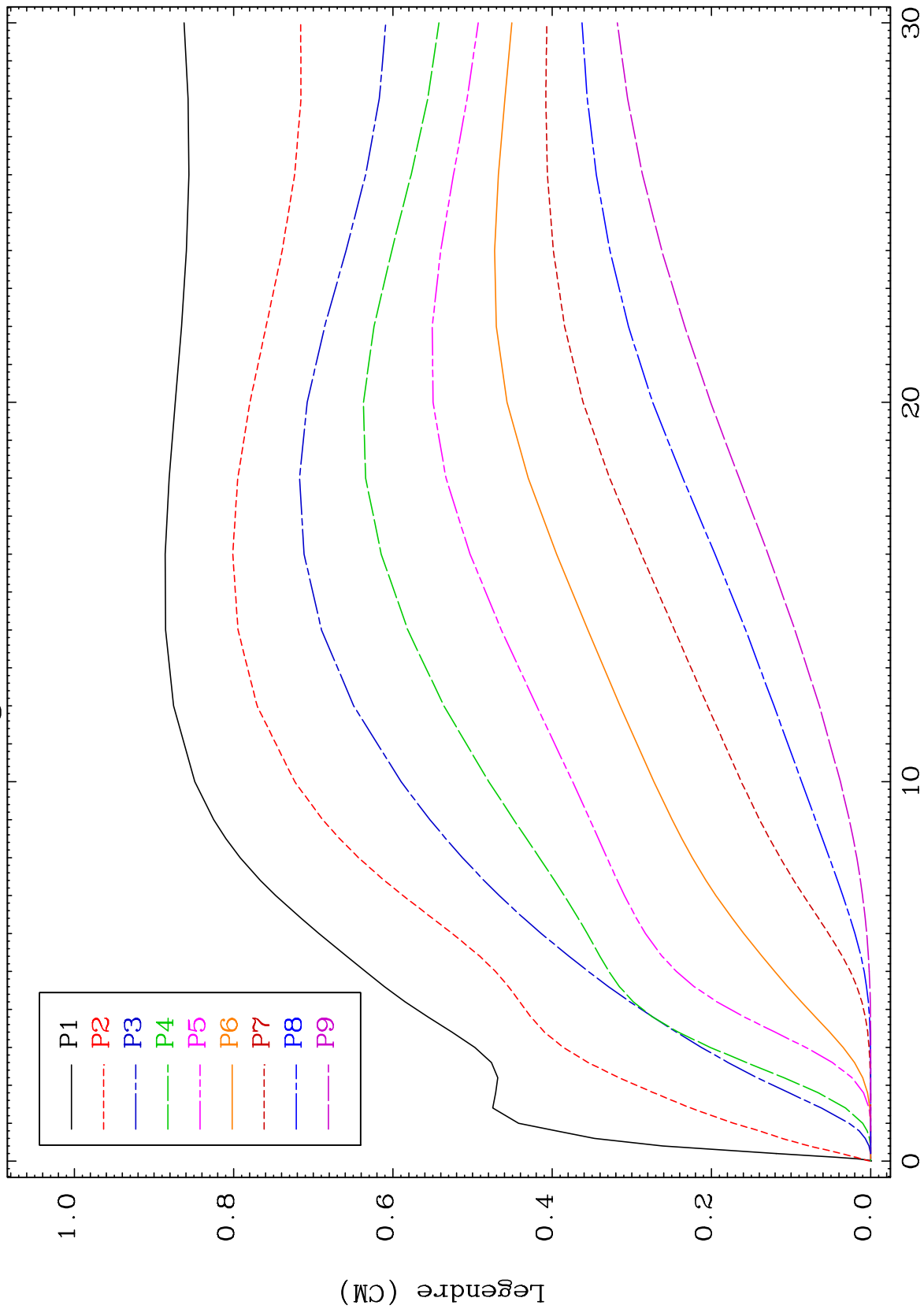
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Elastic Legendre Coefficients

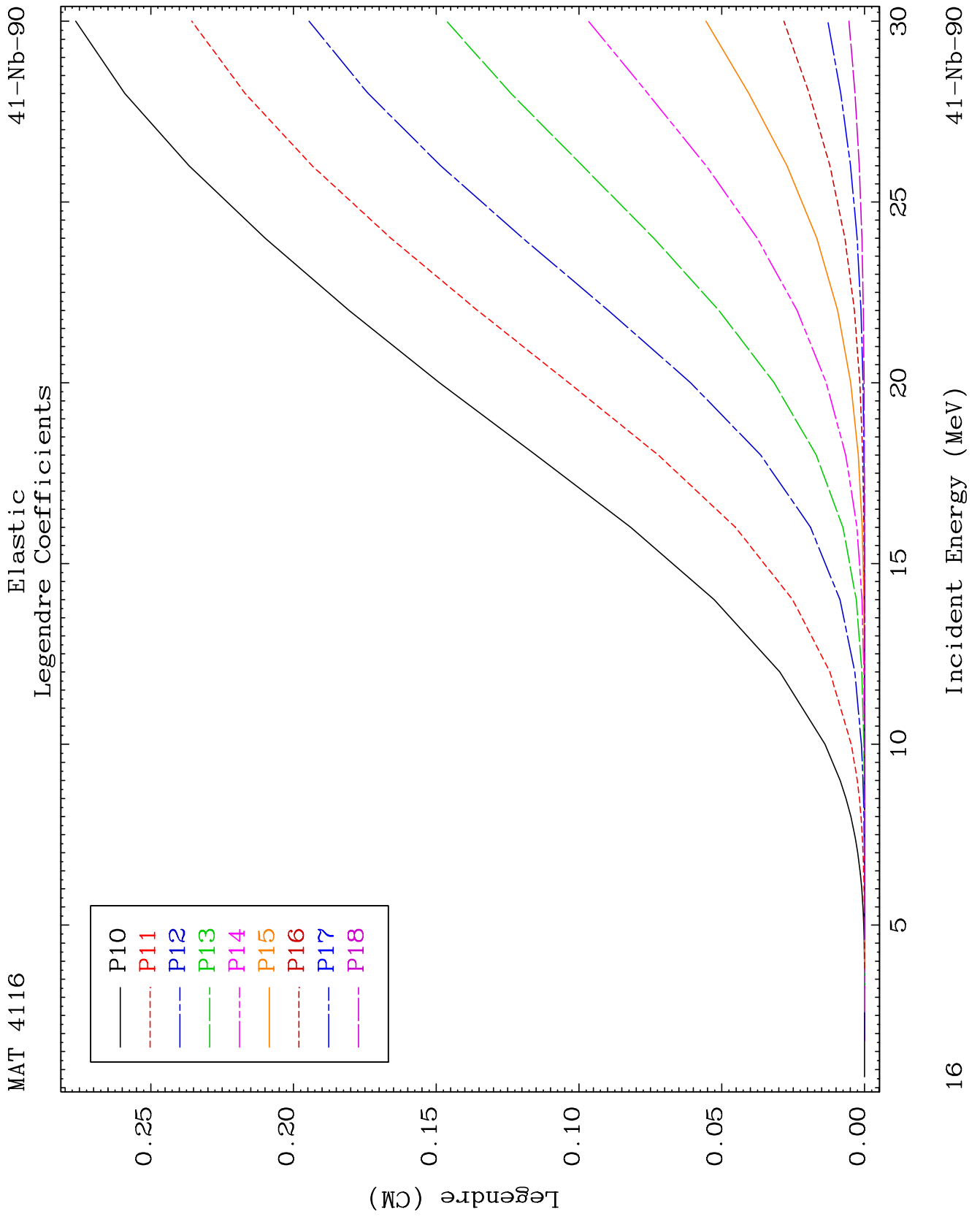
41-Nb-90



15

Incident Energy (MeV)

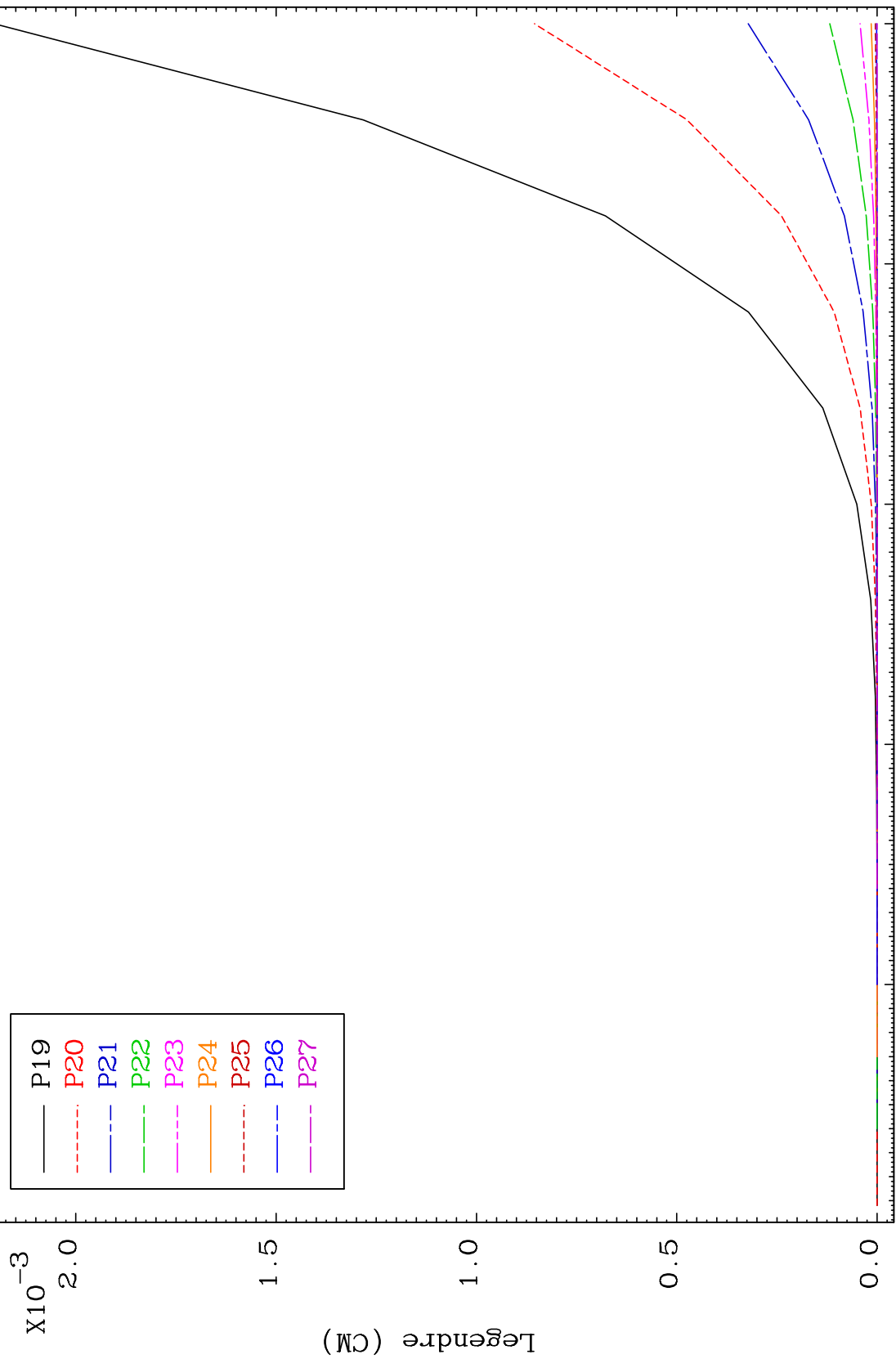
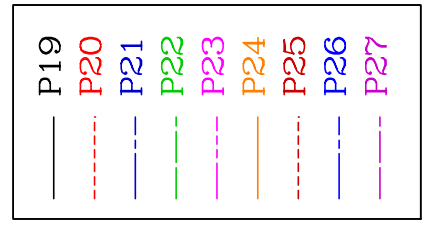
41-Nb-90



MAT 4116

Elastic
Legendre Coefficients

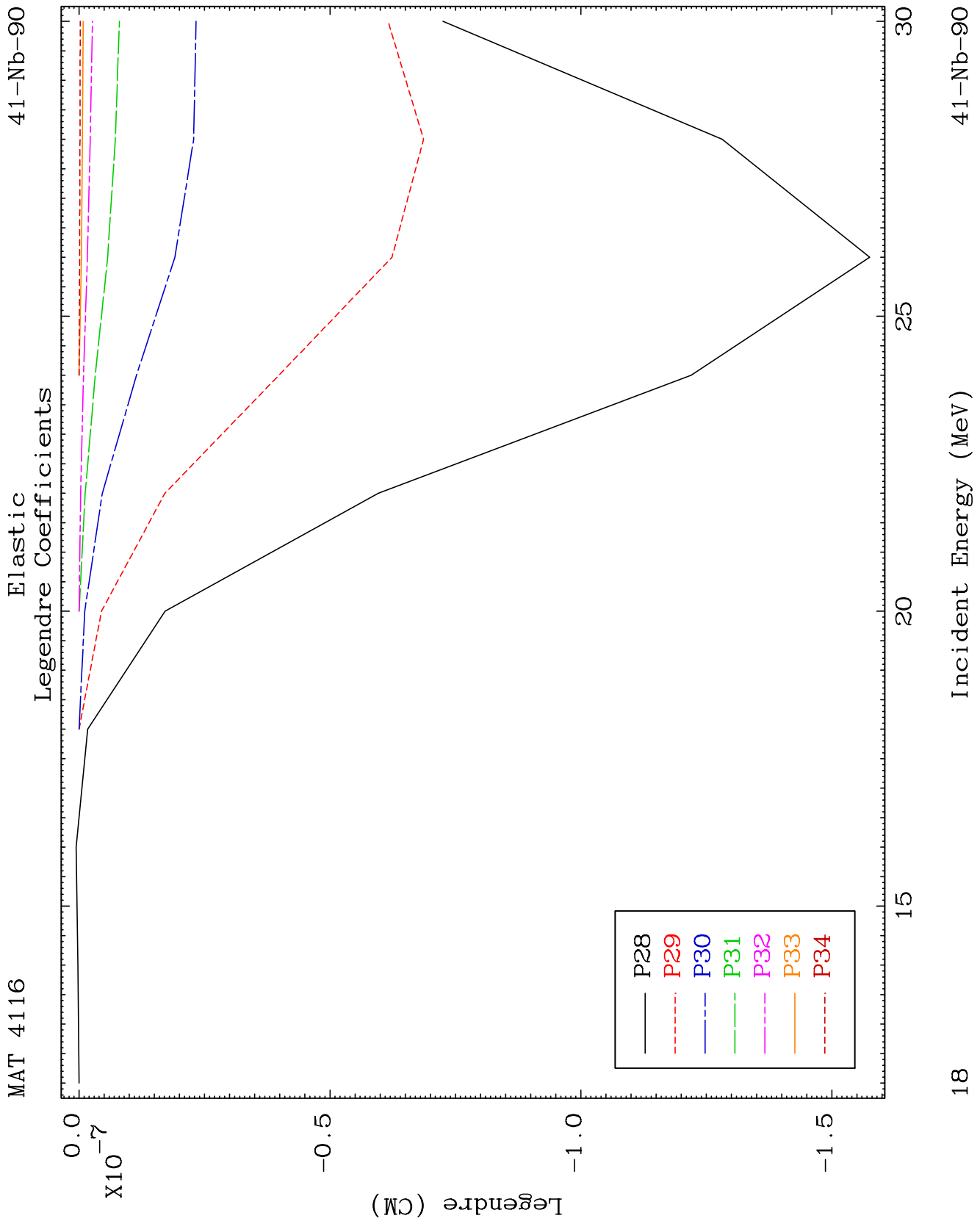
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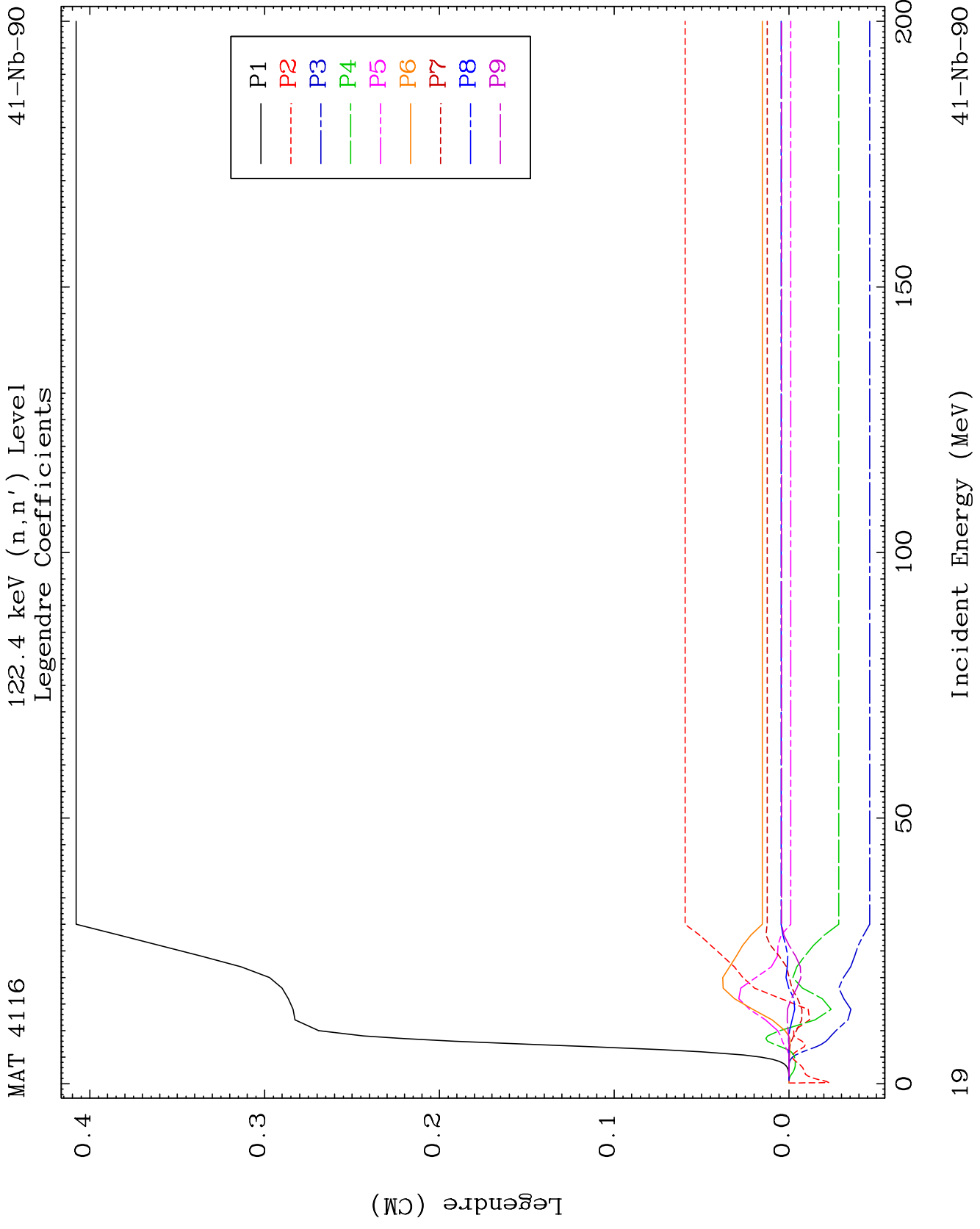


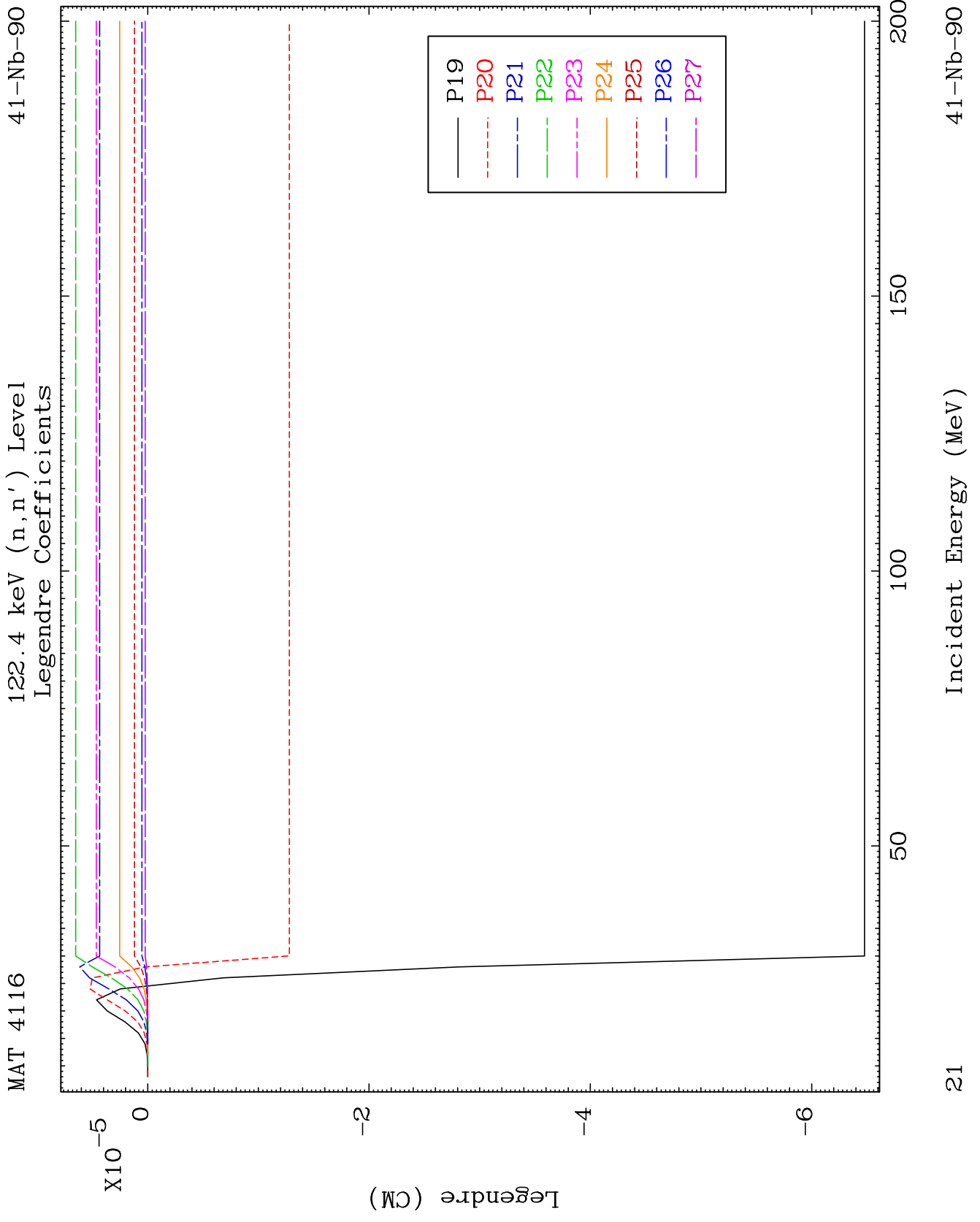
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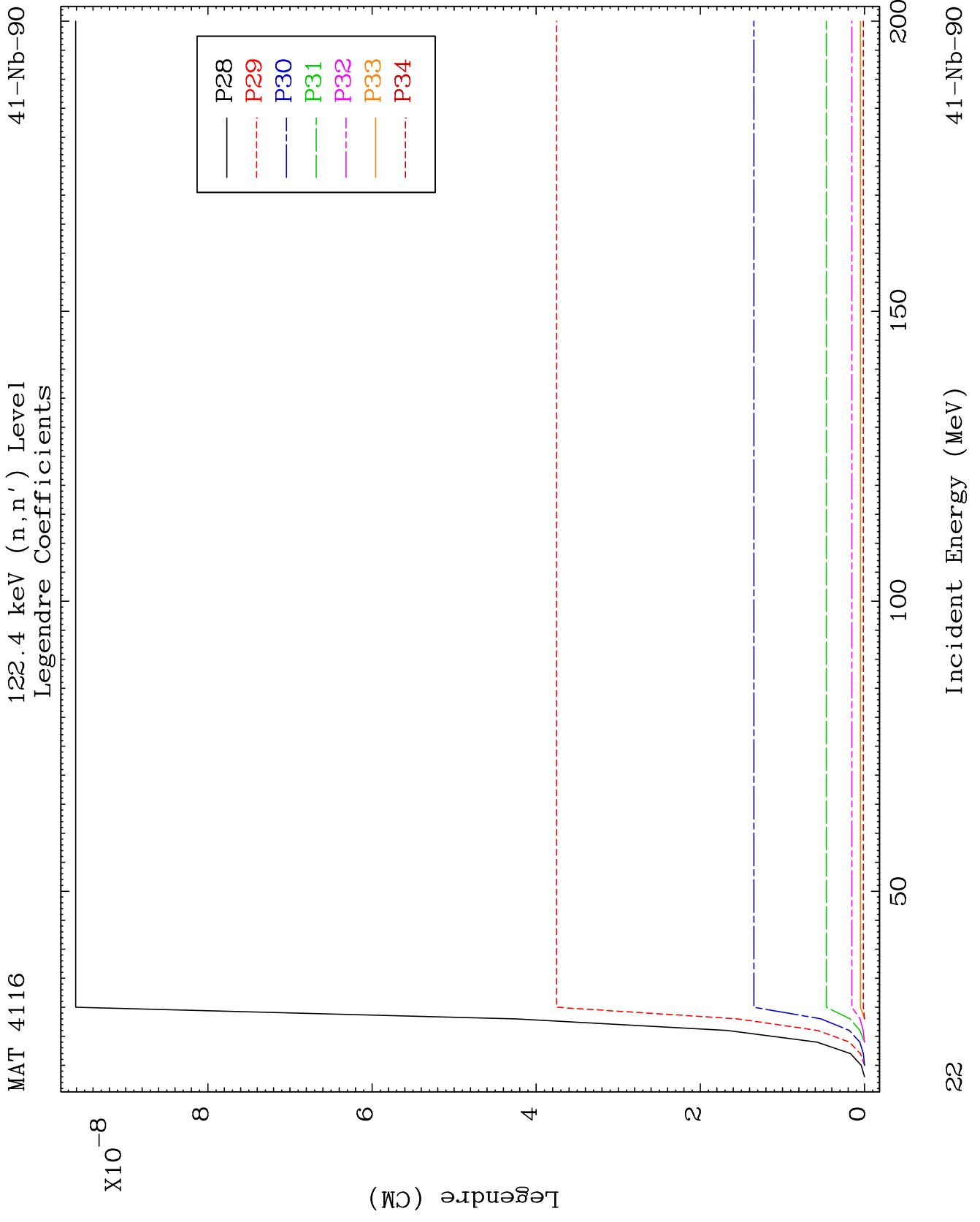
Incident Energy (MeV)

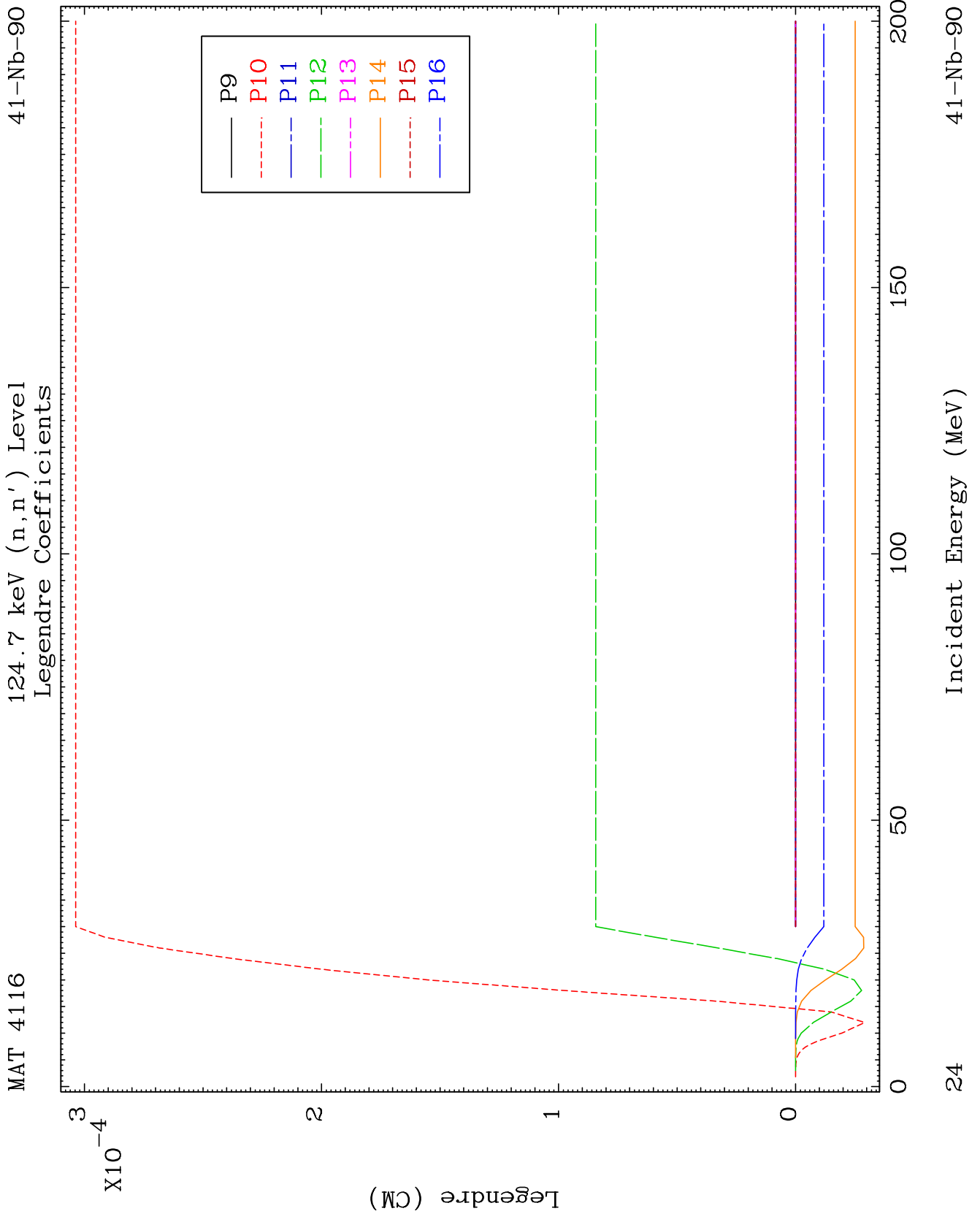
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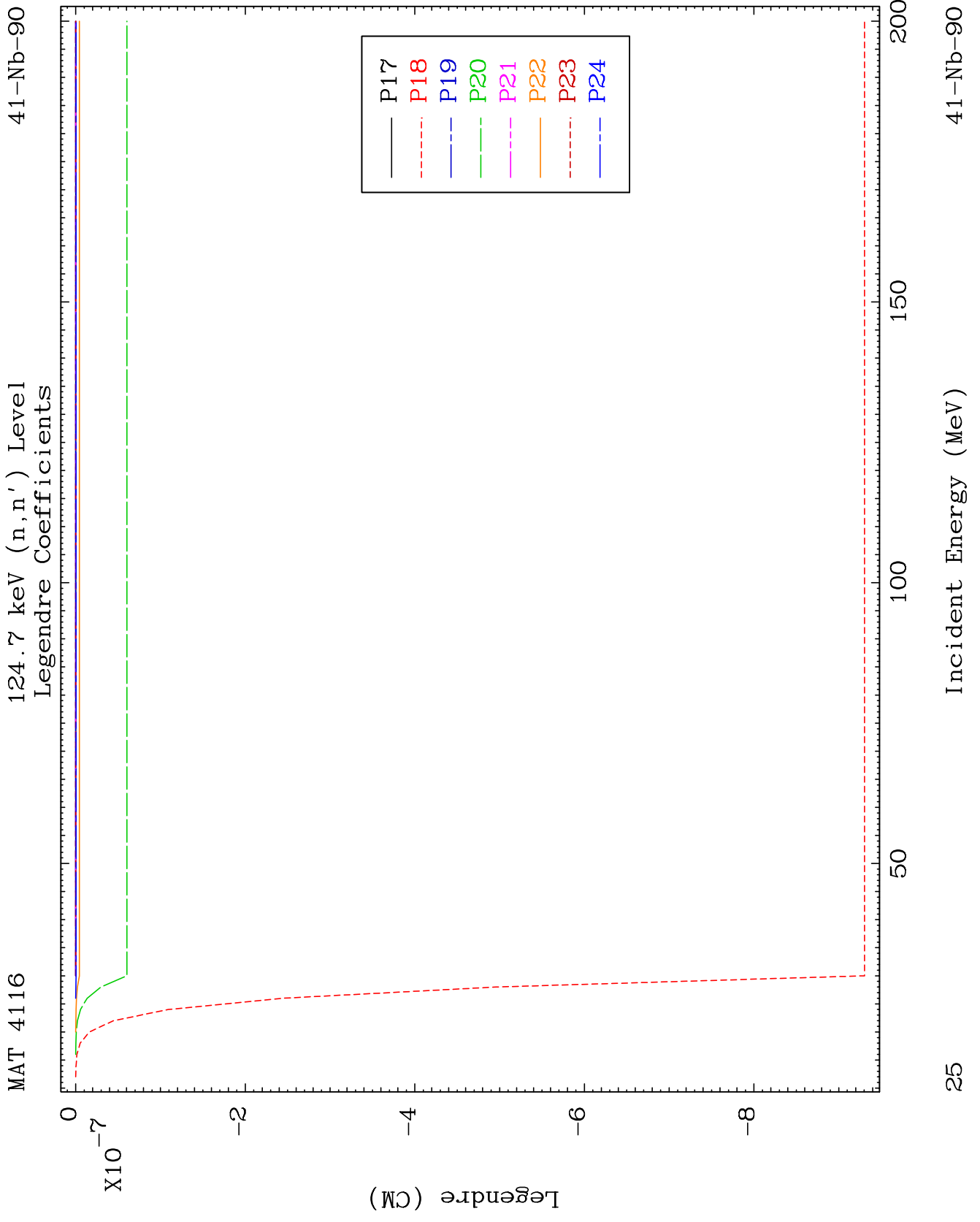


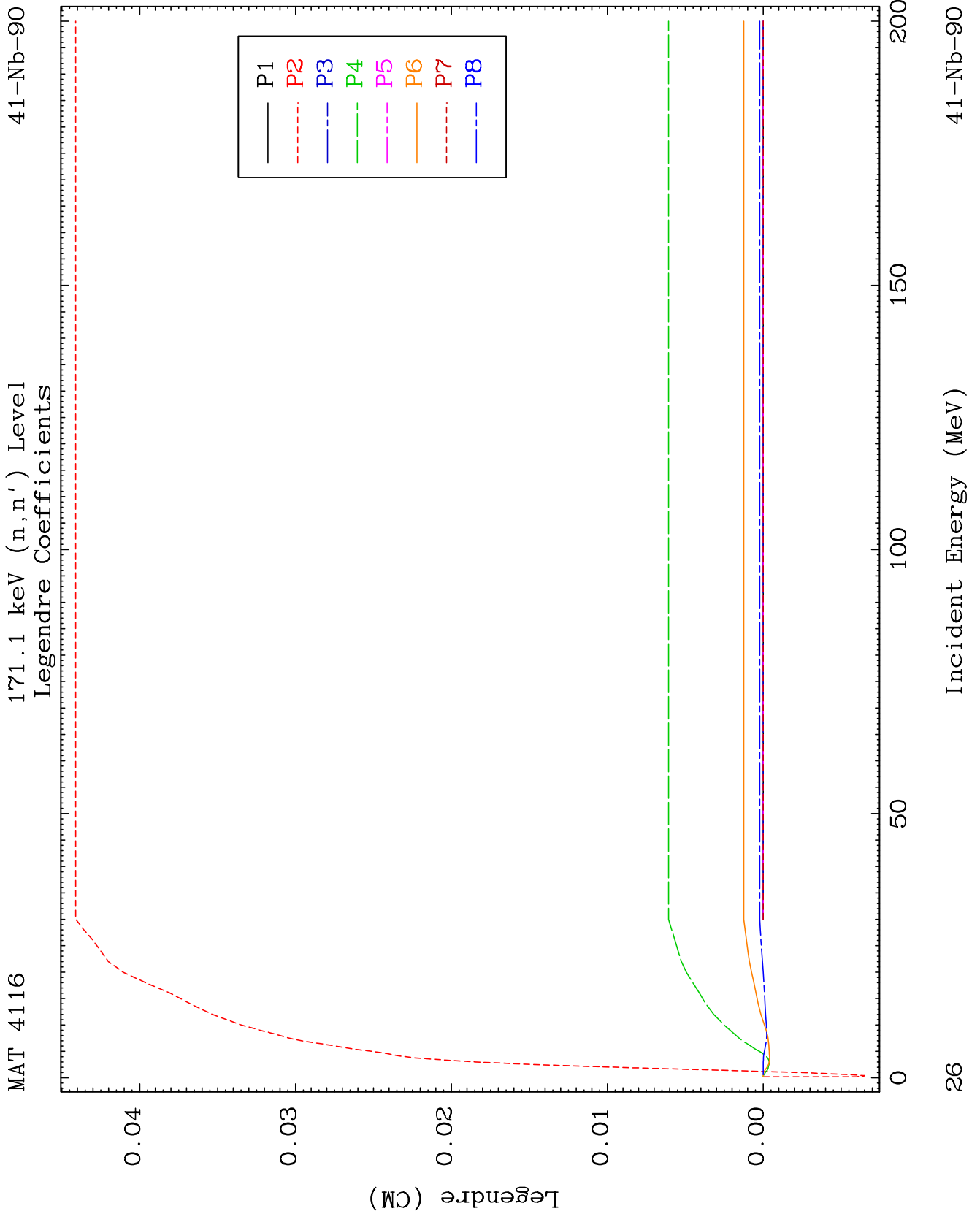


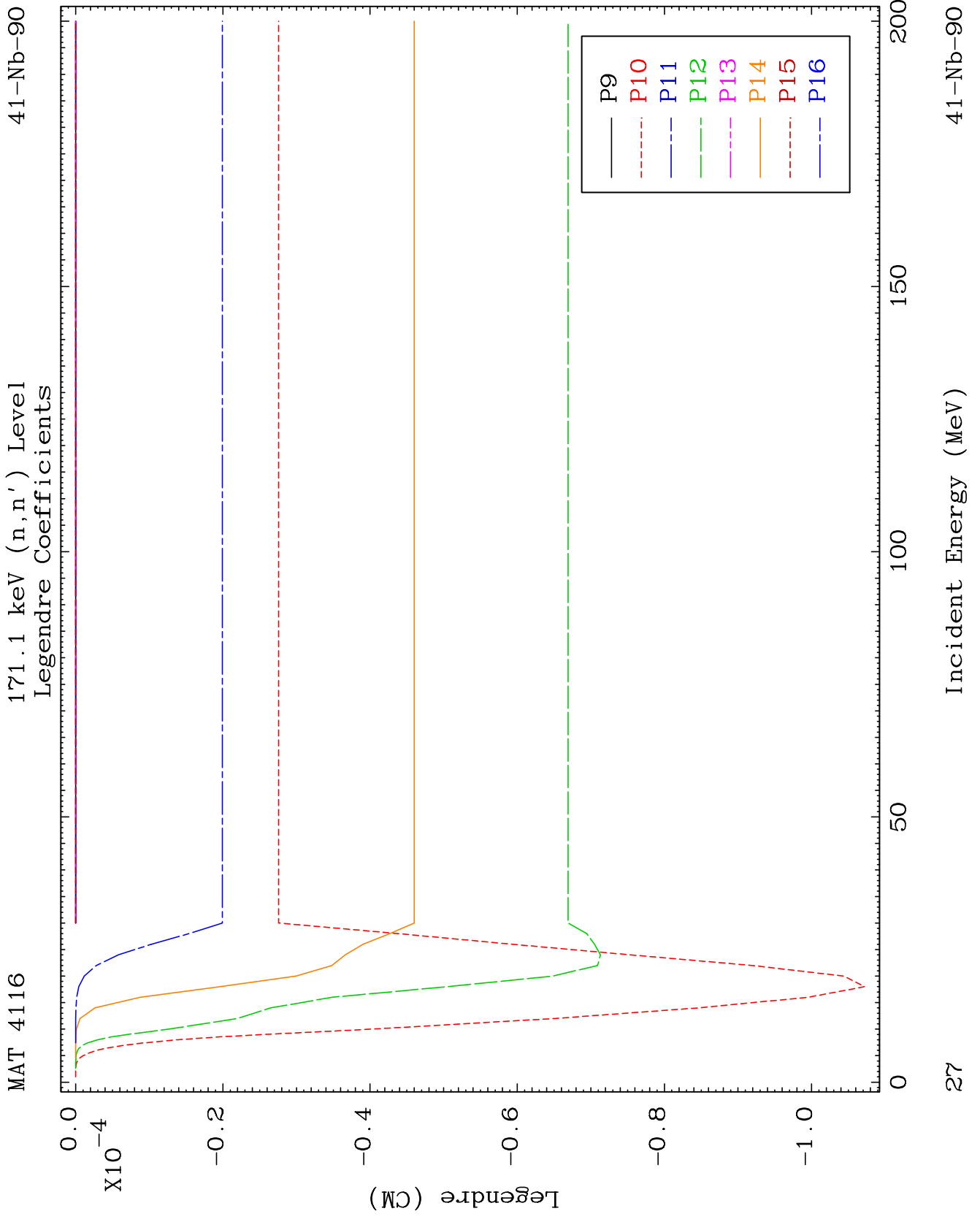


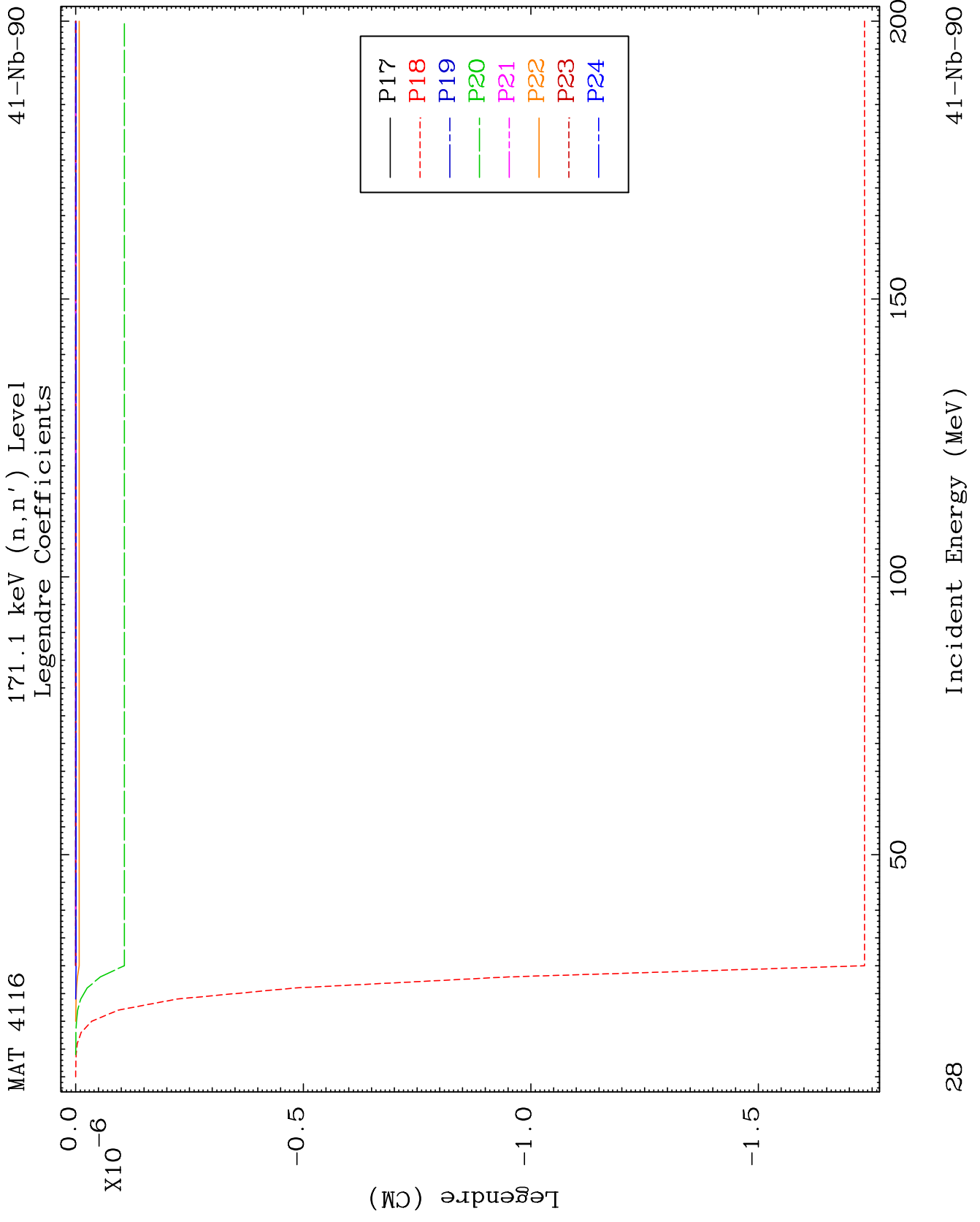








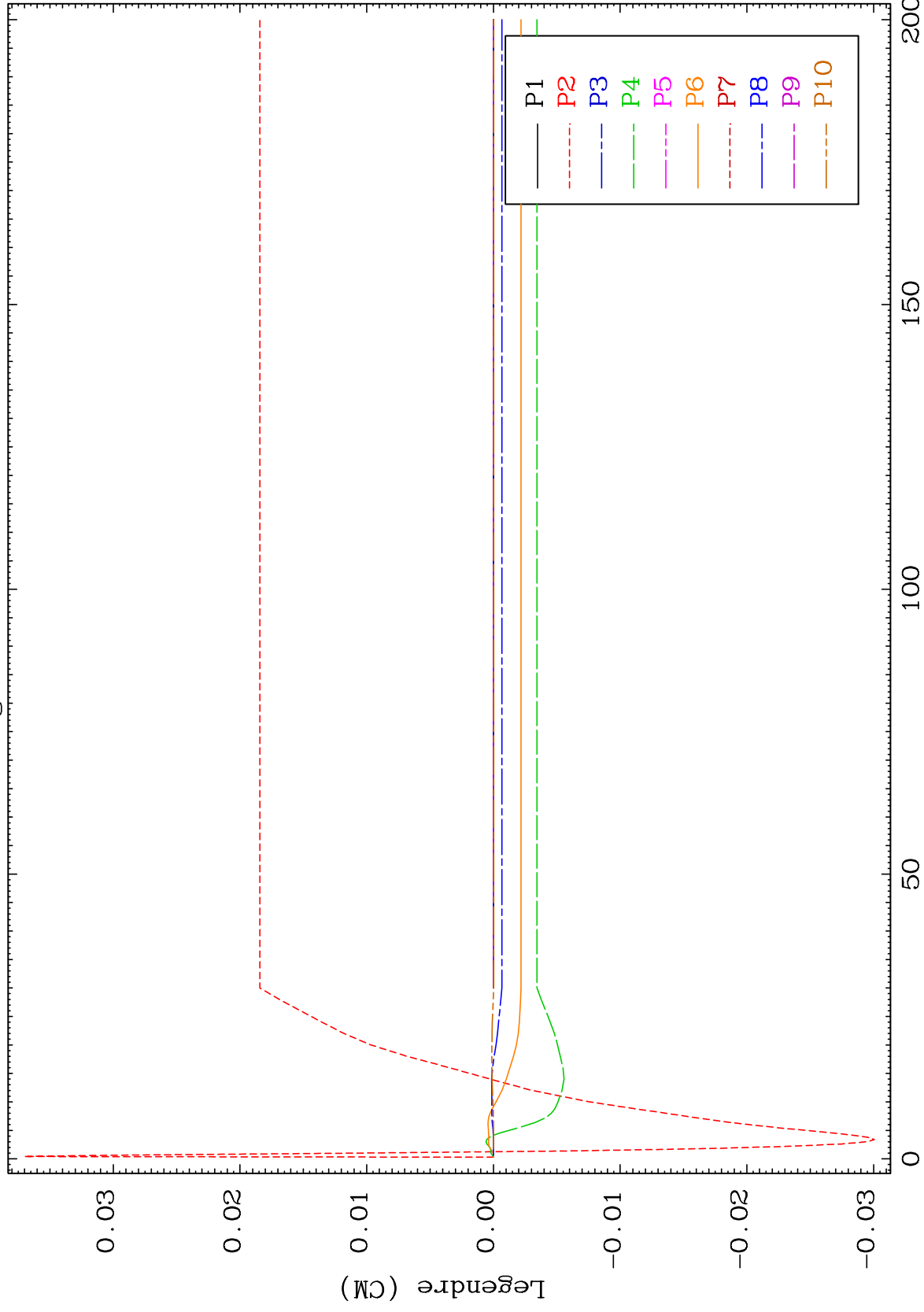




MAT 4116

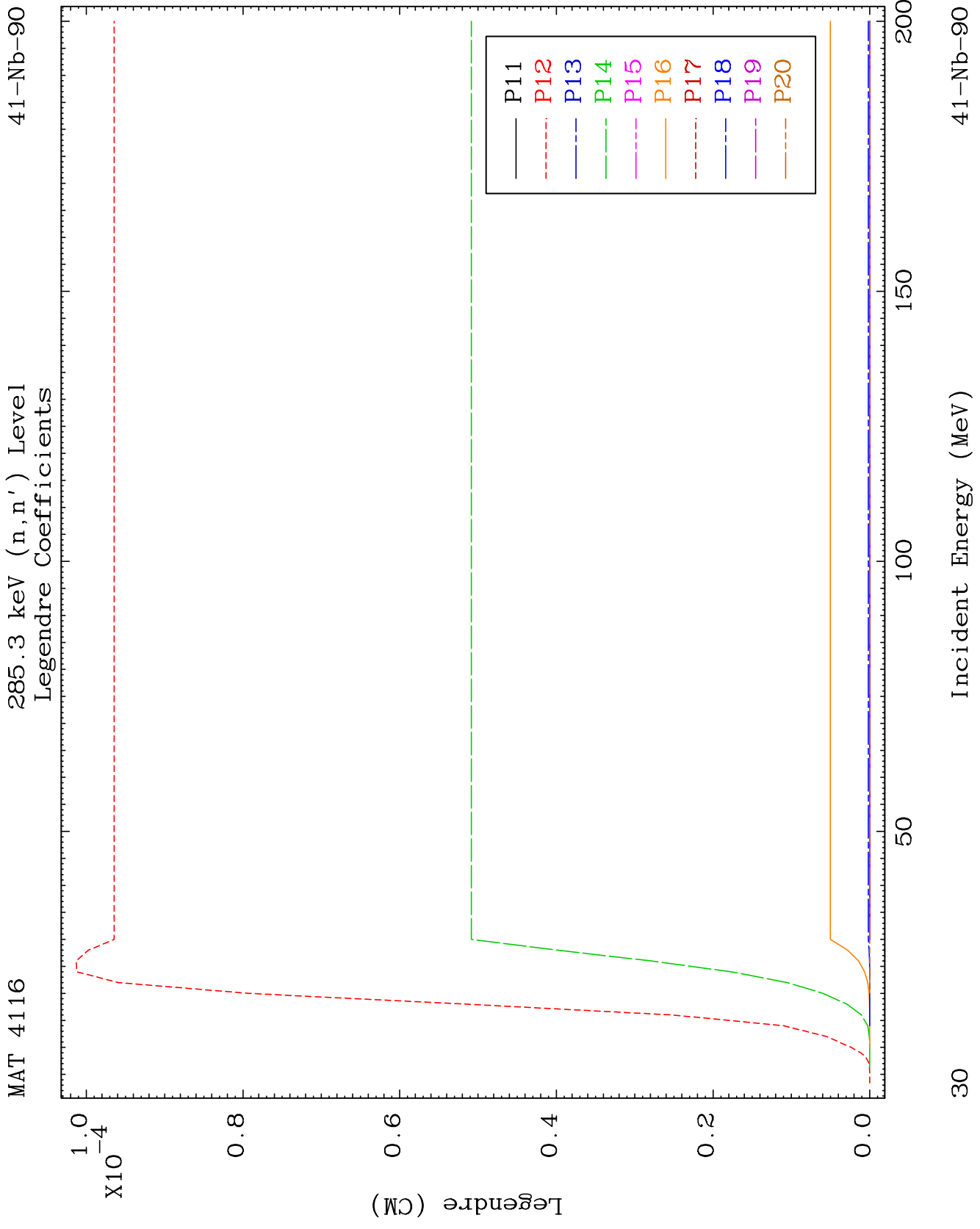
285.3 keV (n,n') Level
Legendre Coefficients

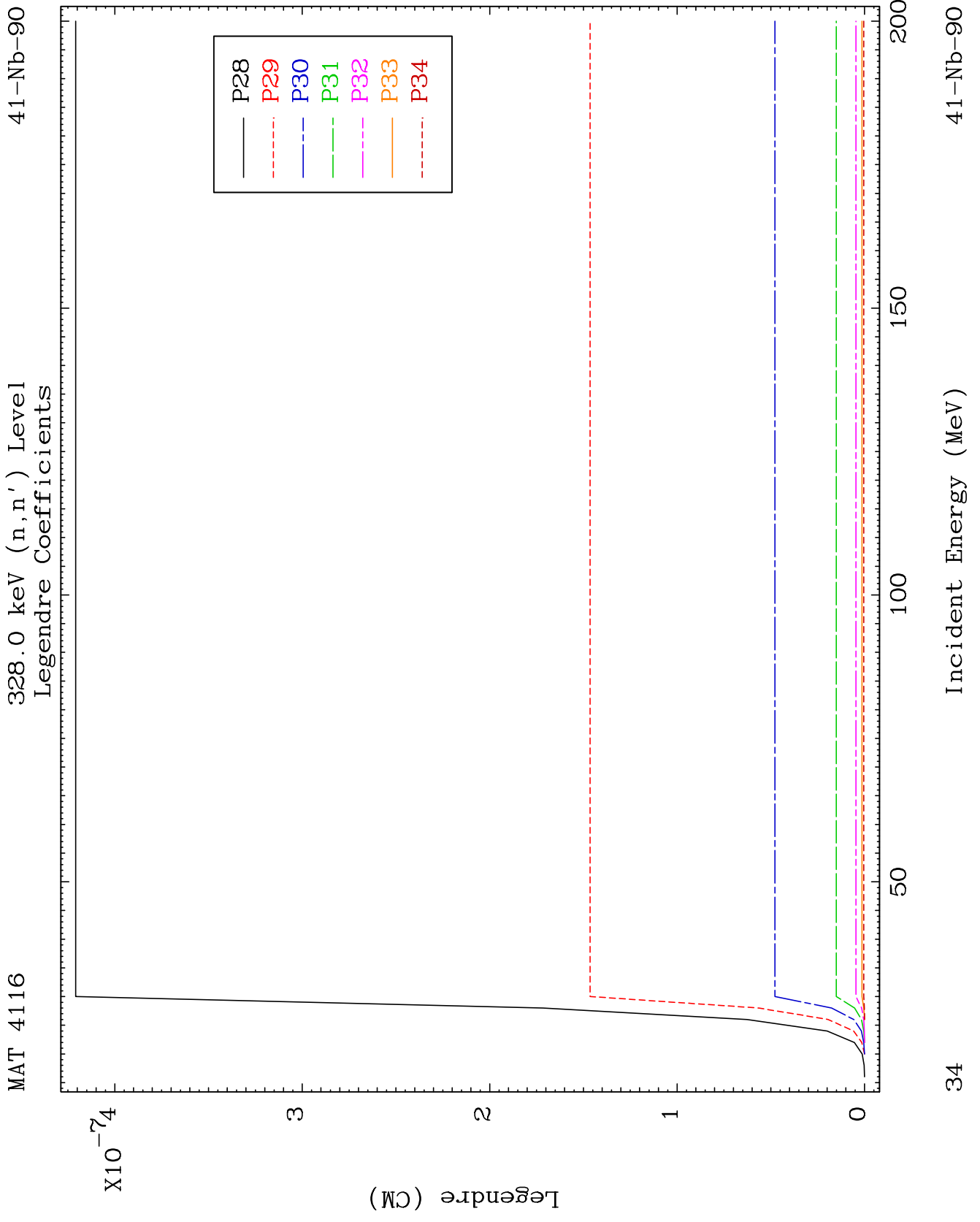
41-Nb-90



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41-Nb-90

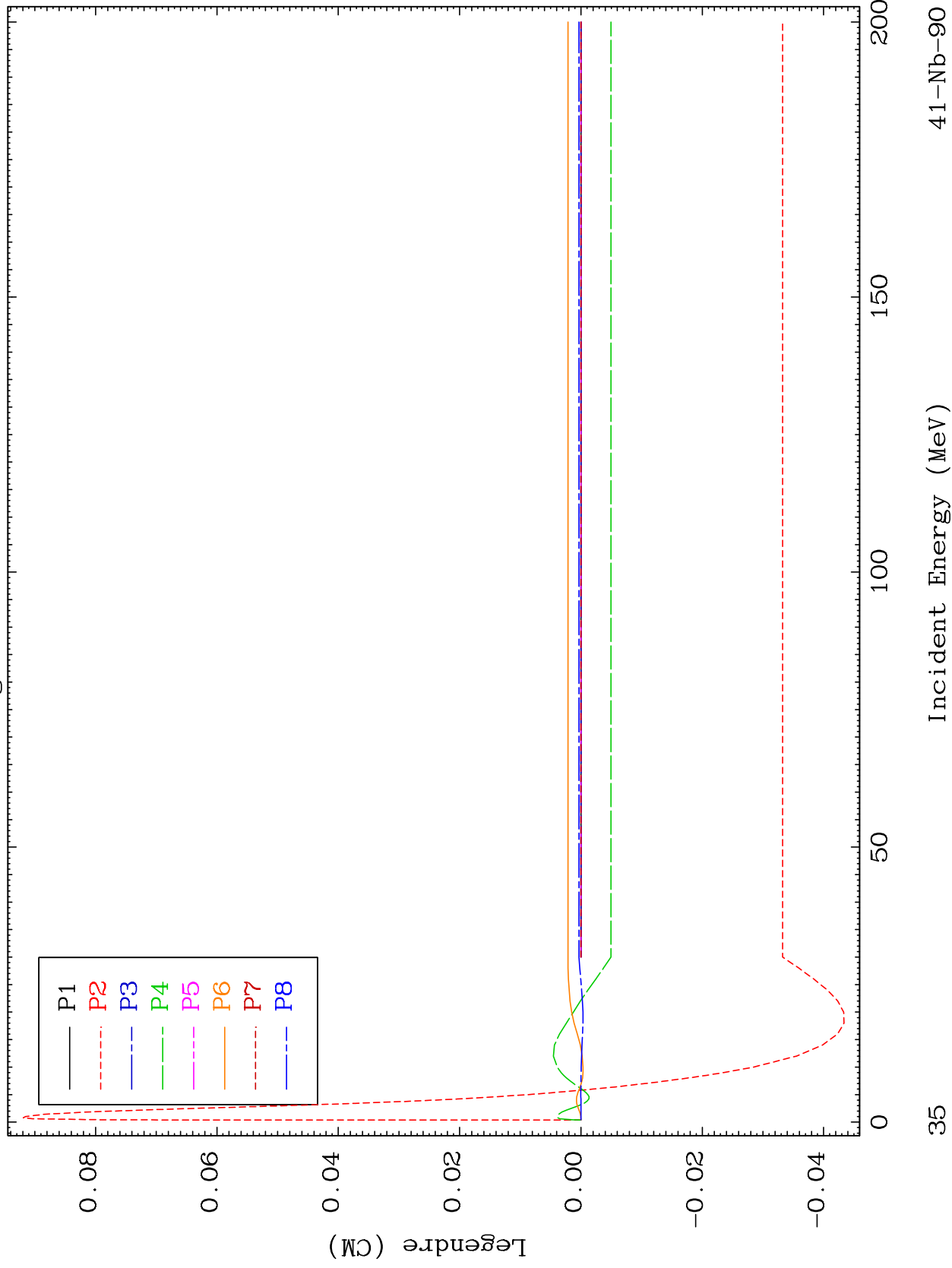


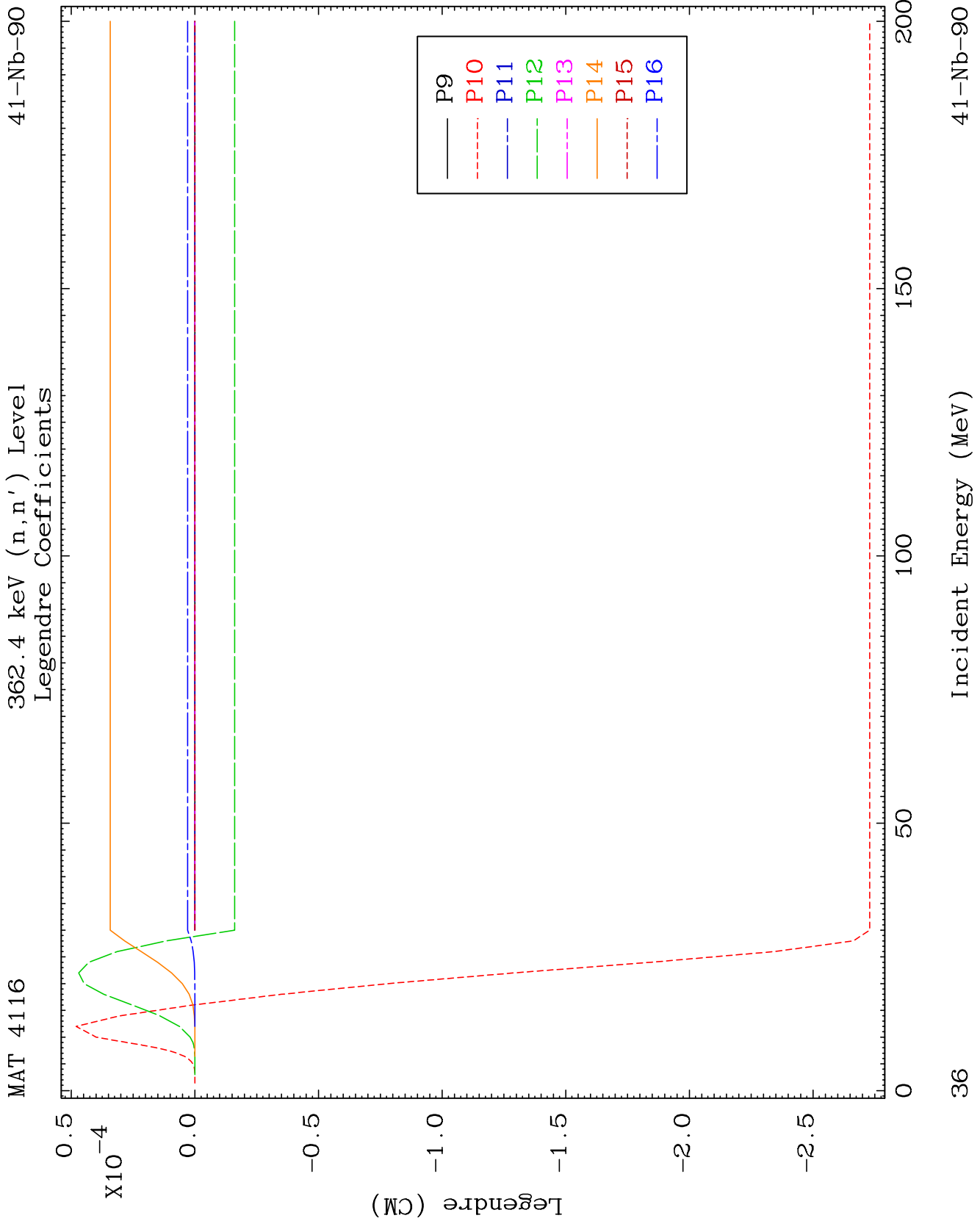


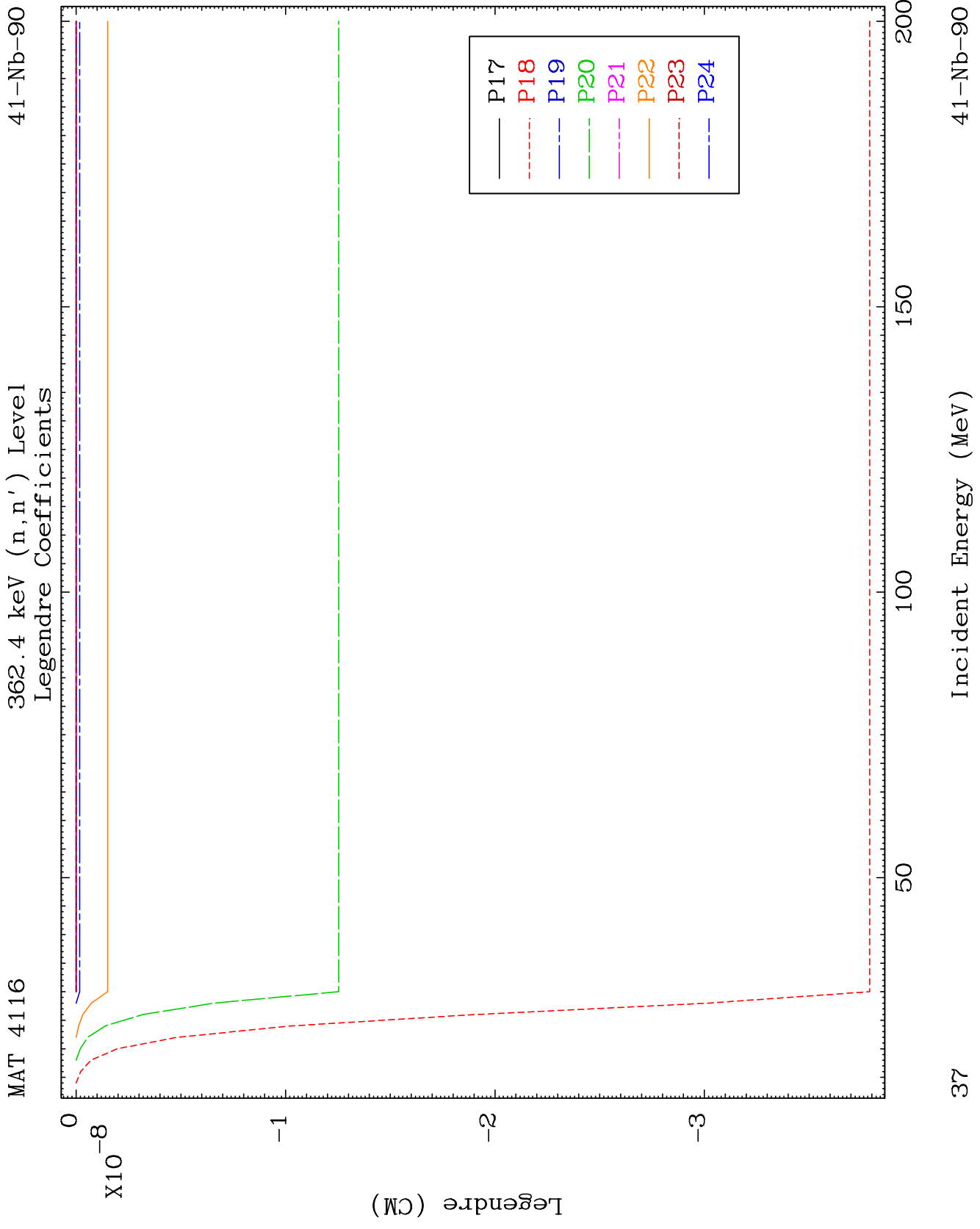
MAT 4116

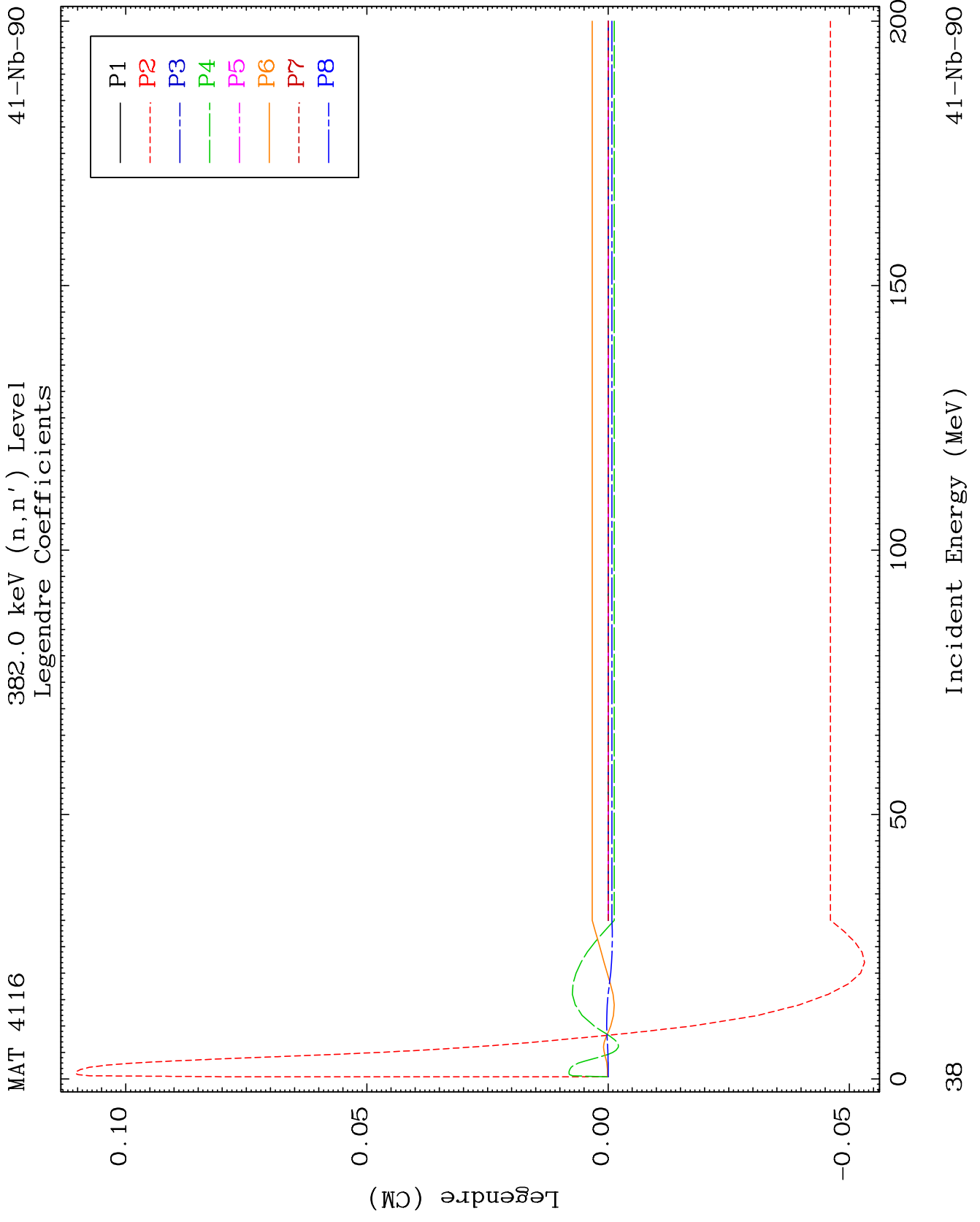
362.4 keV (n,n') Level
Legendre Coefficients

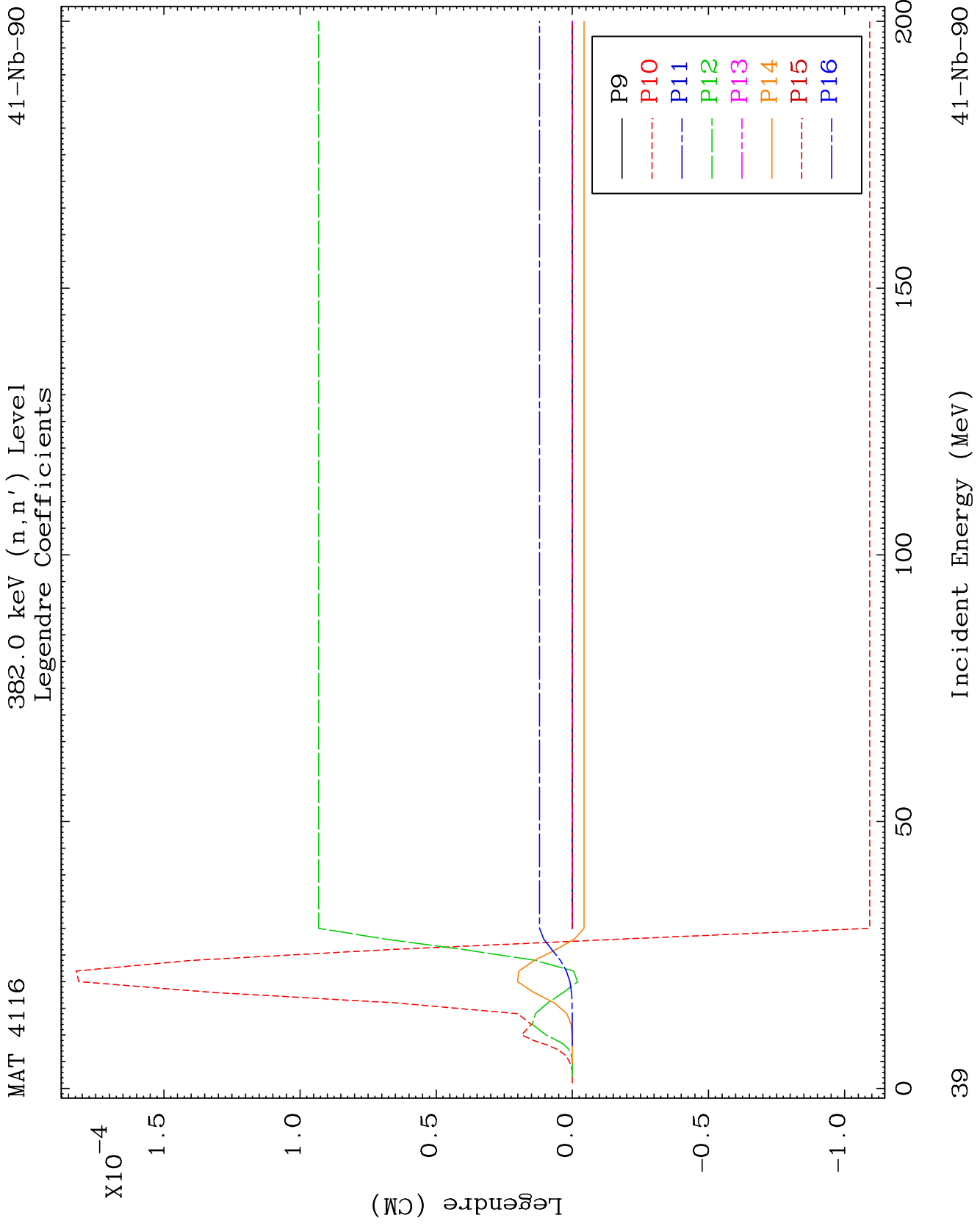
41-Nb-90







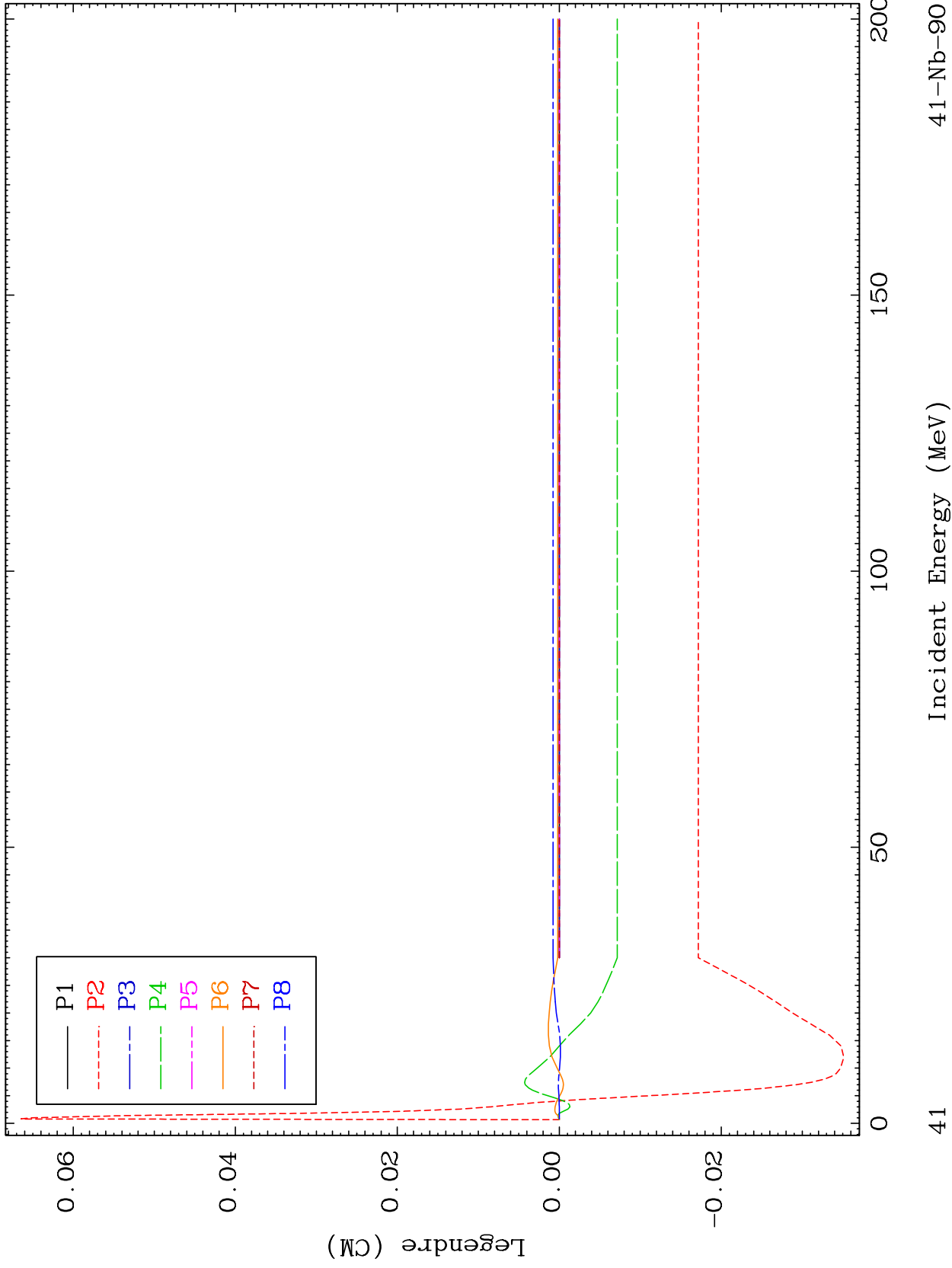


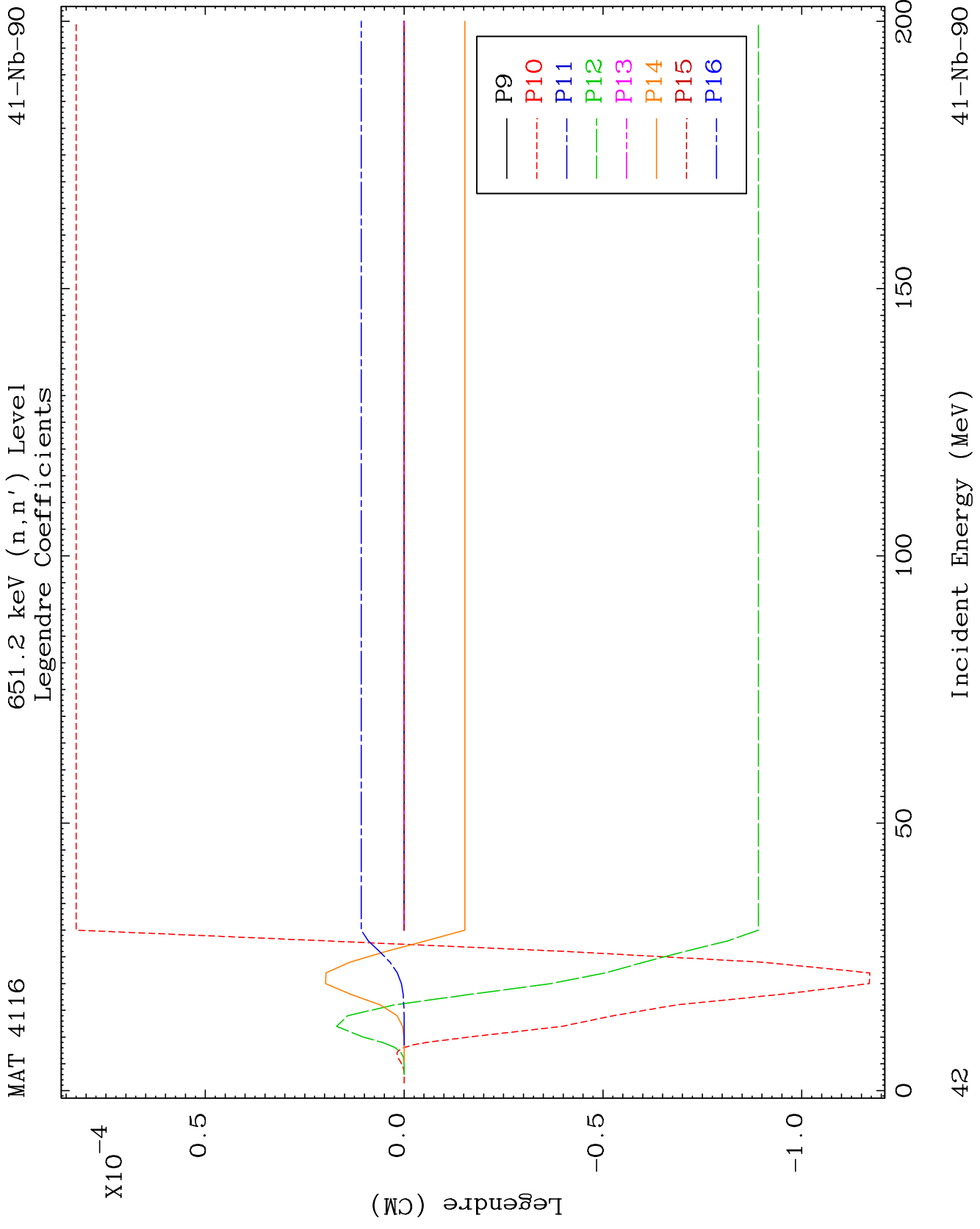


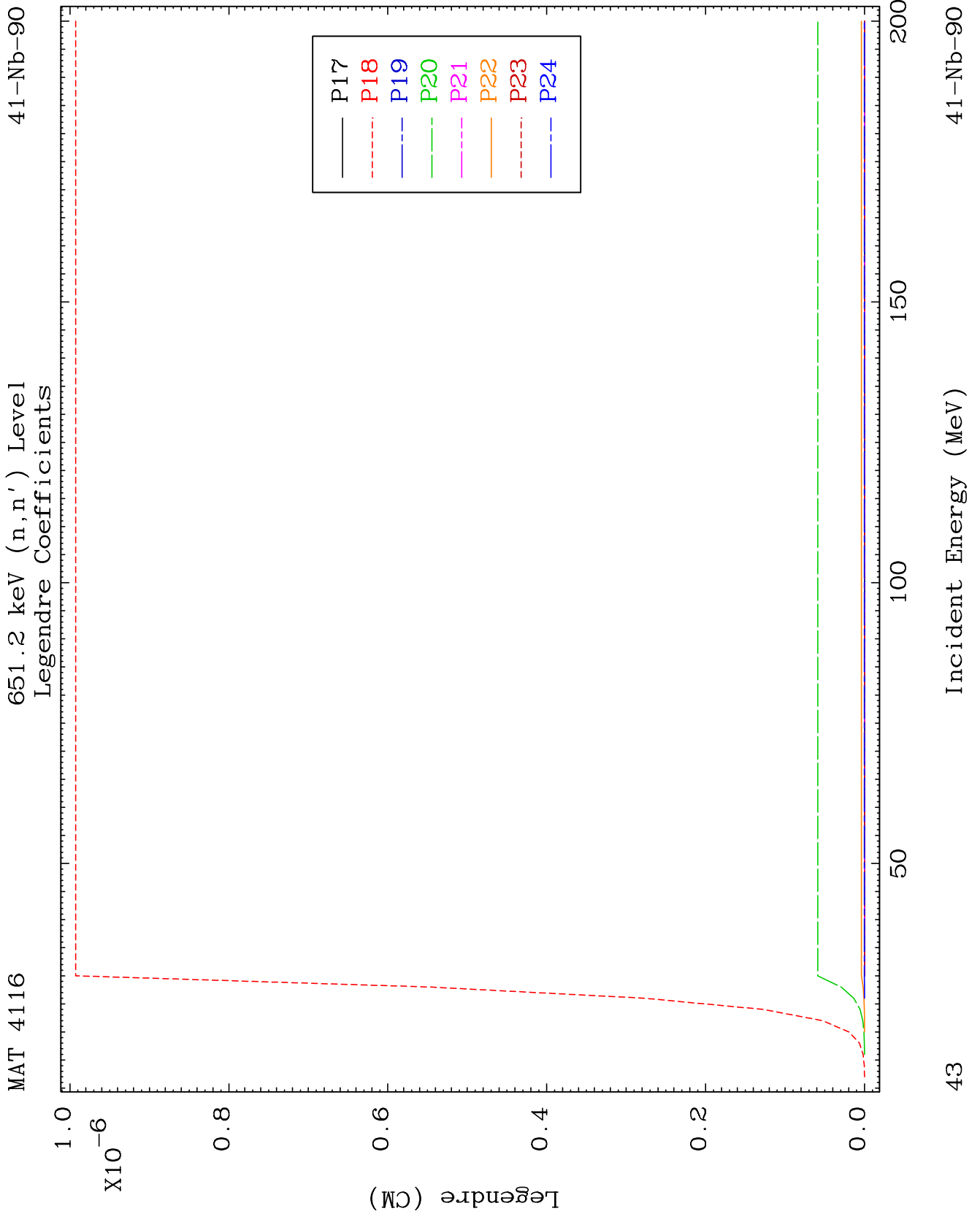
MAT 4116

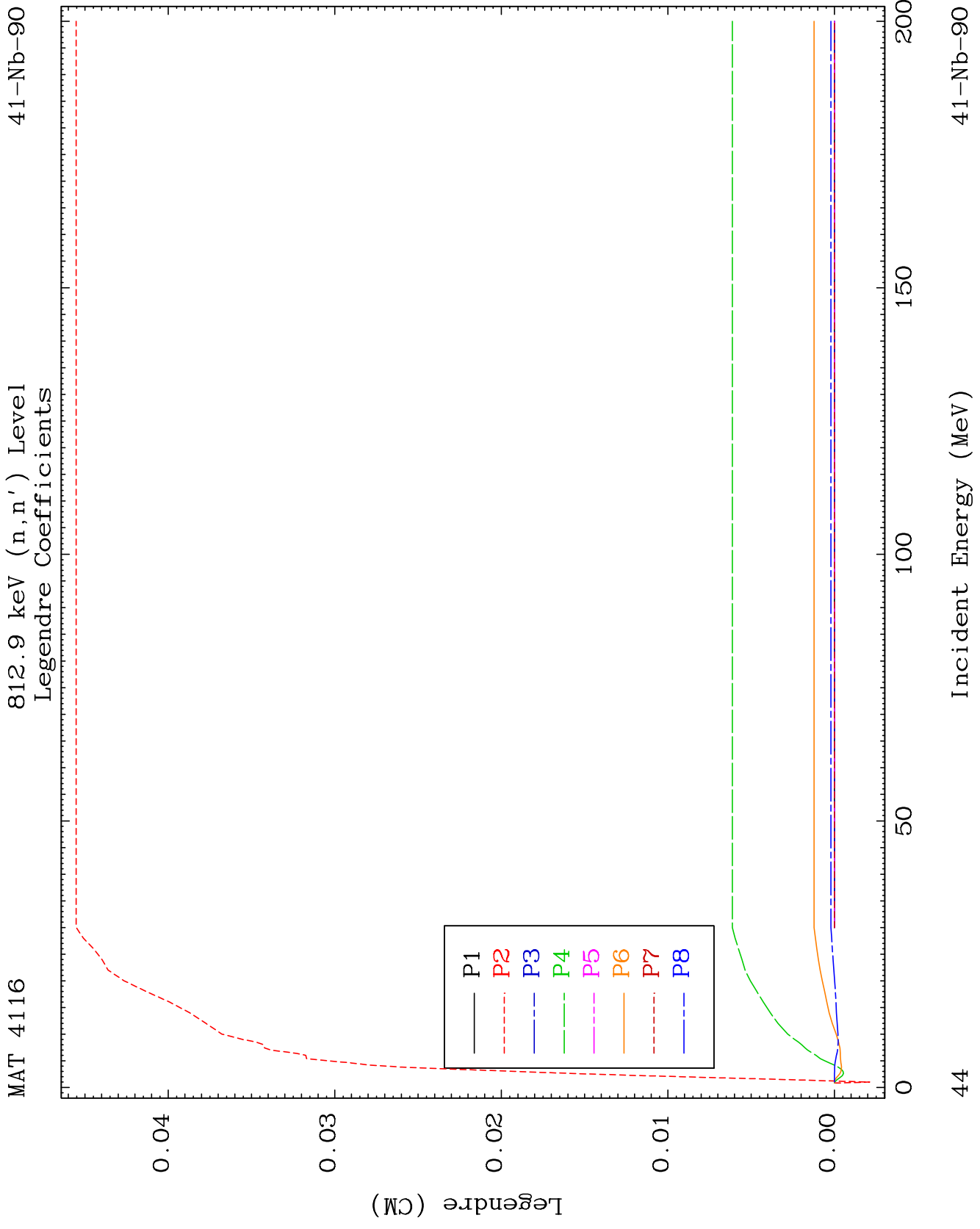
651.2 keV (n,n') Level
Legendre Coefficients

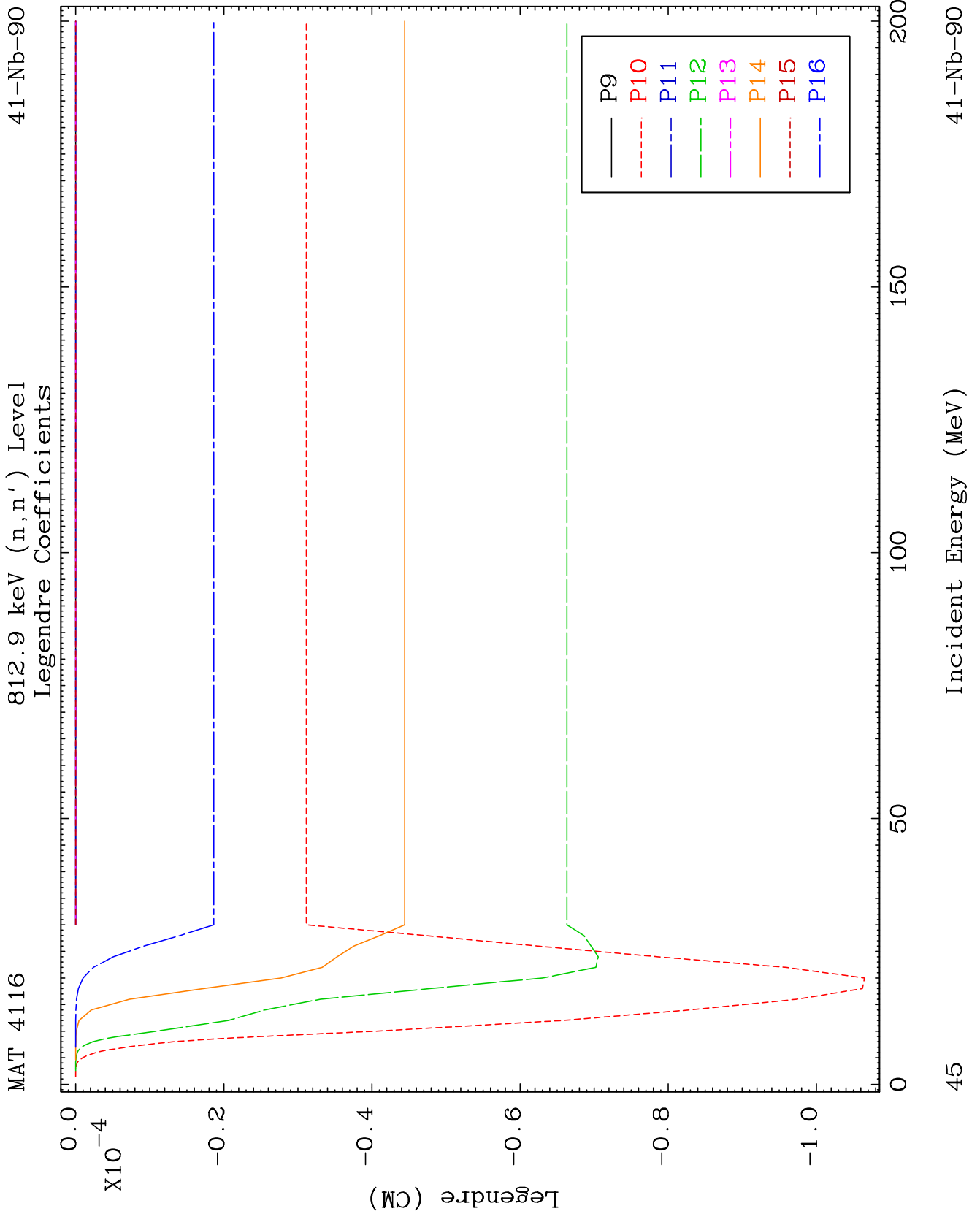
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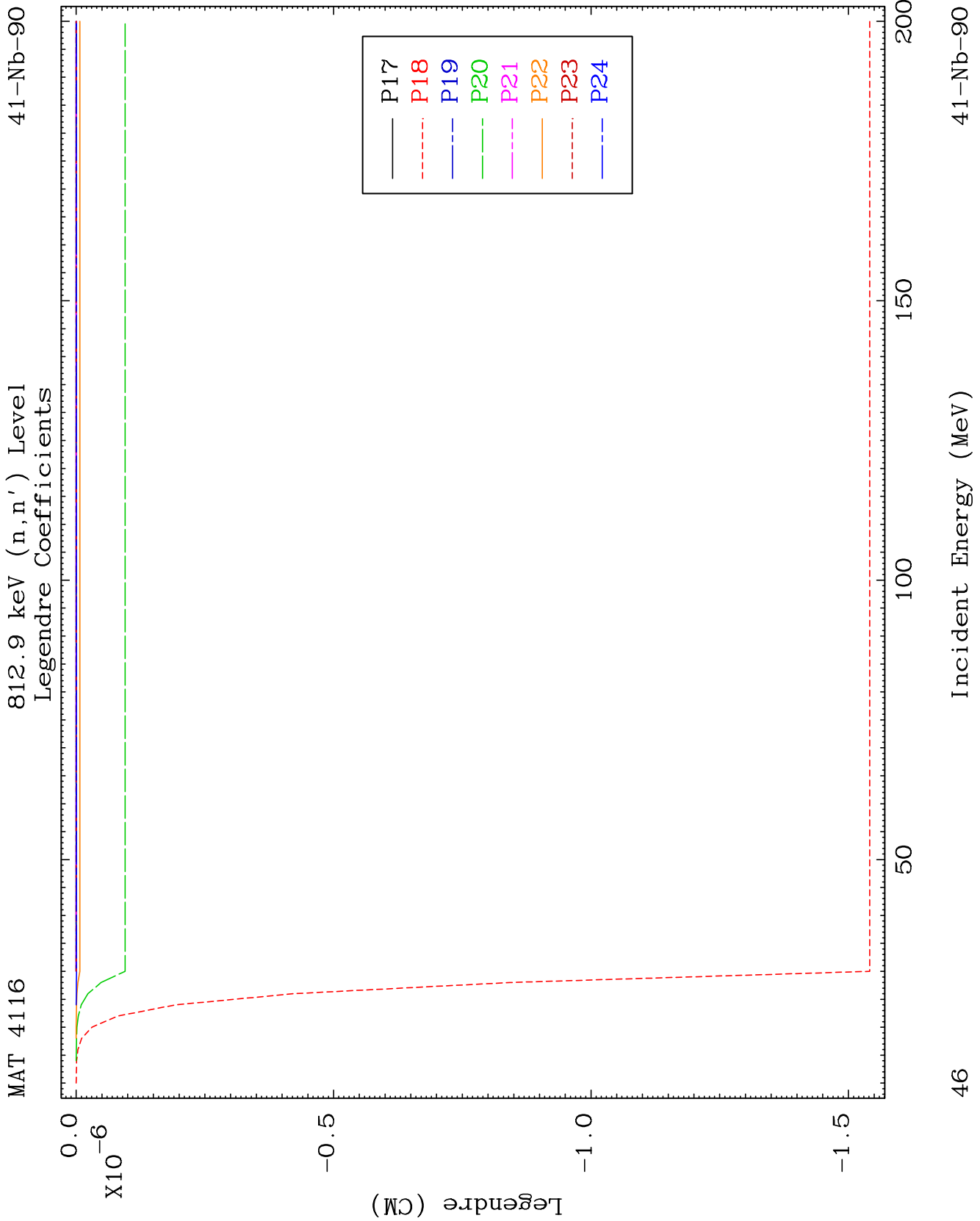


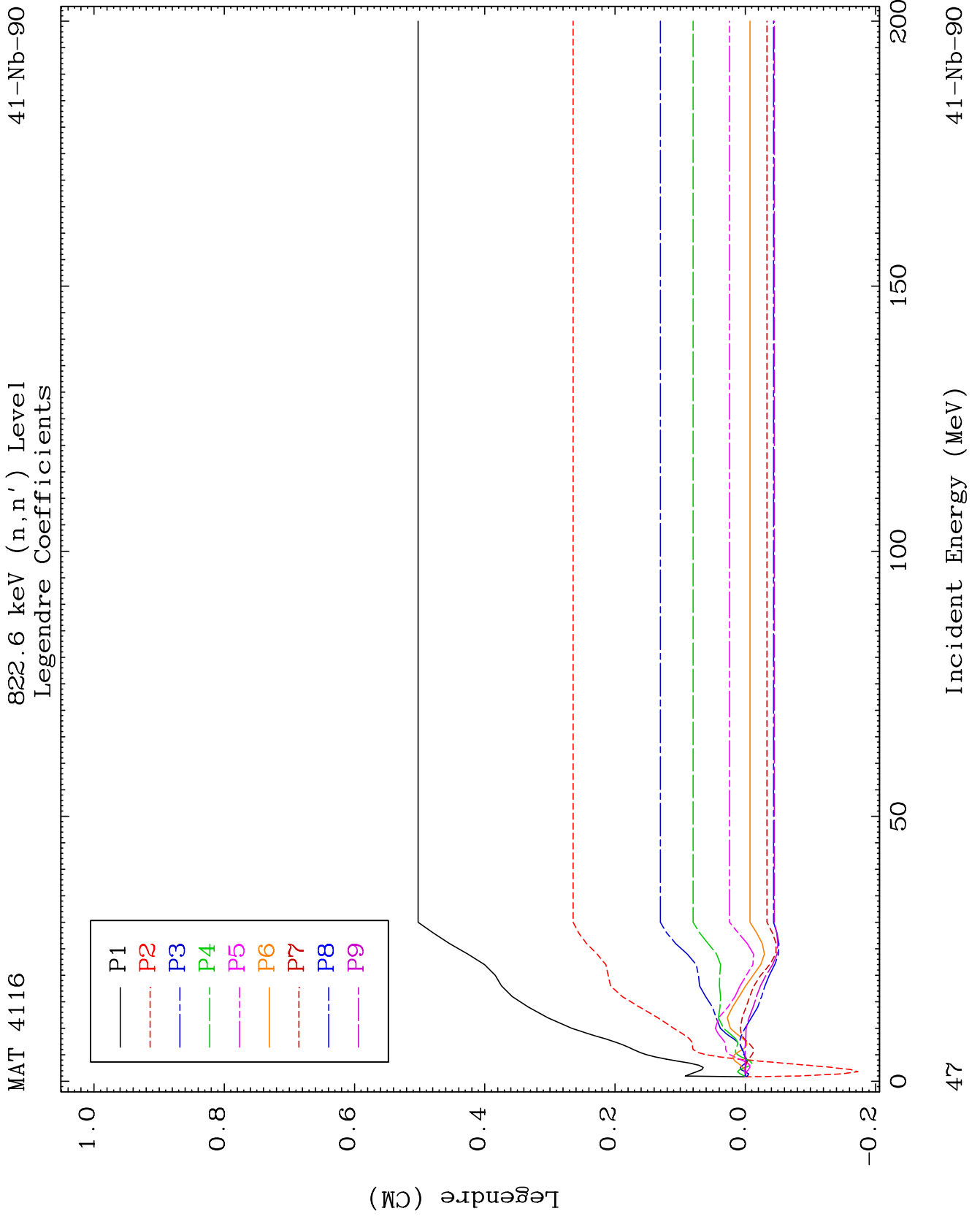


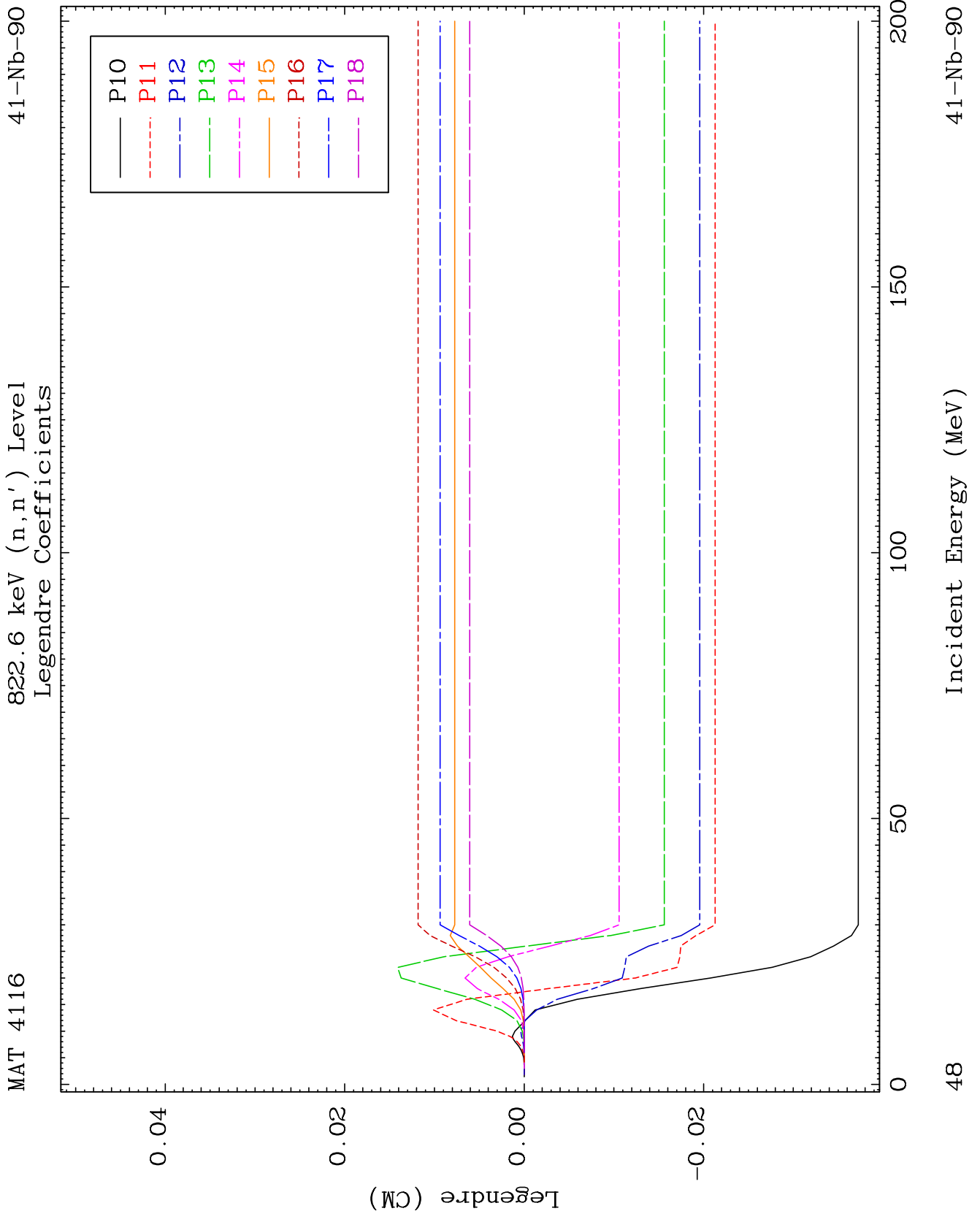


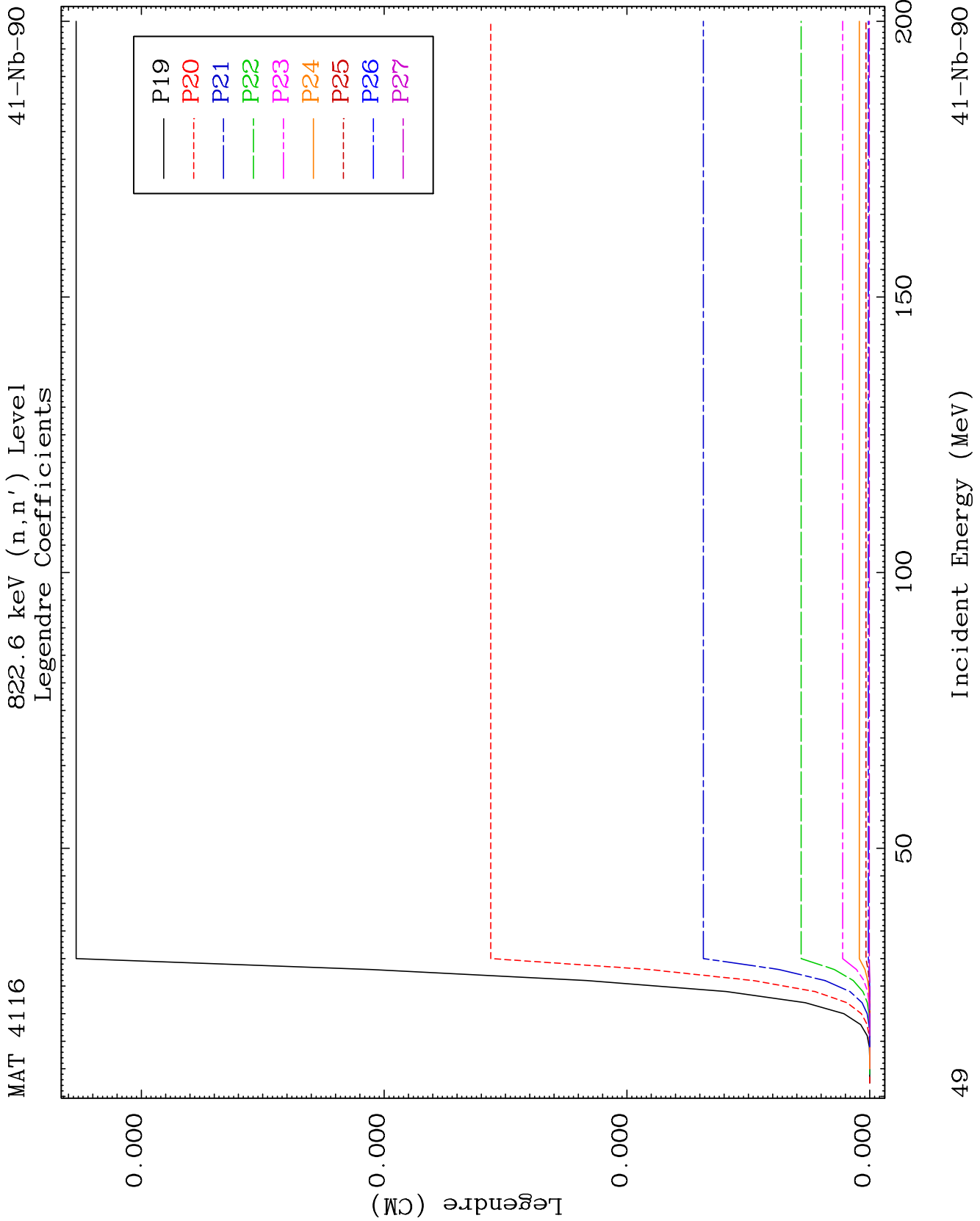


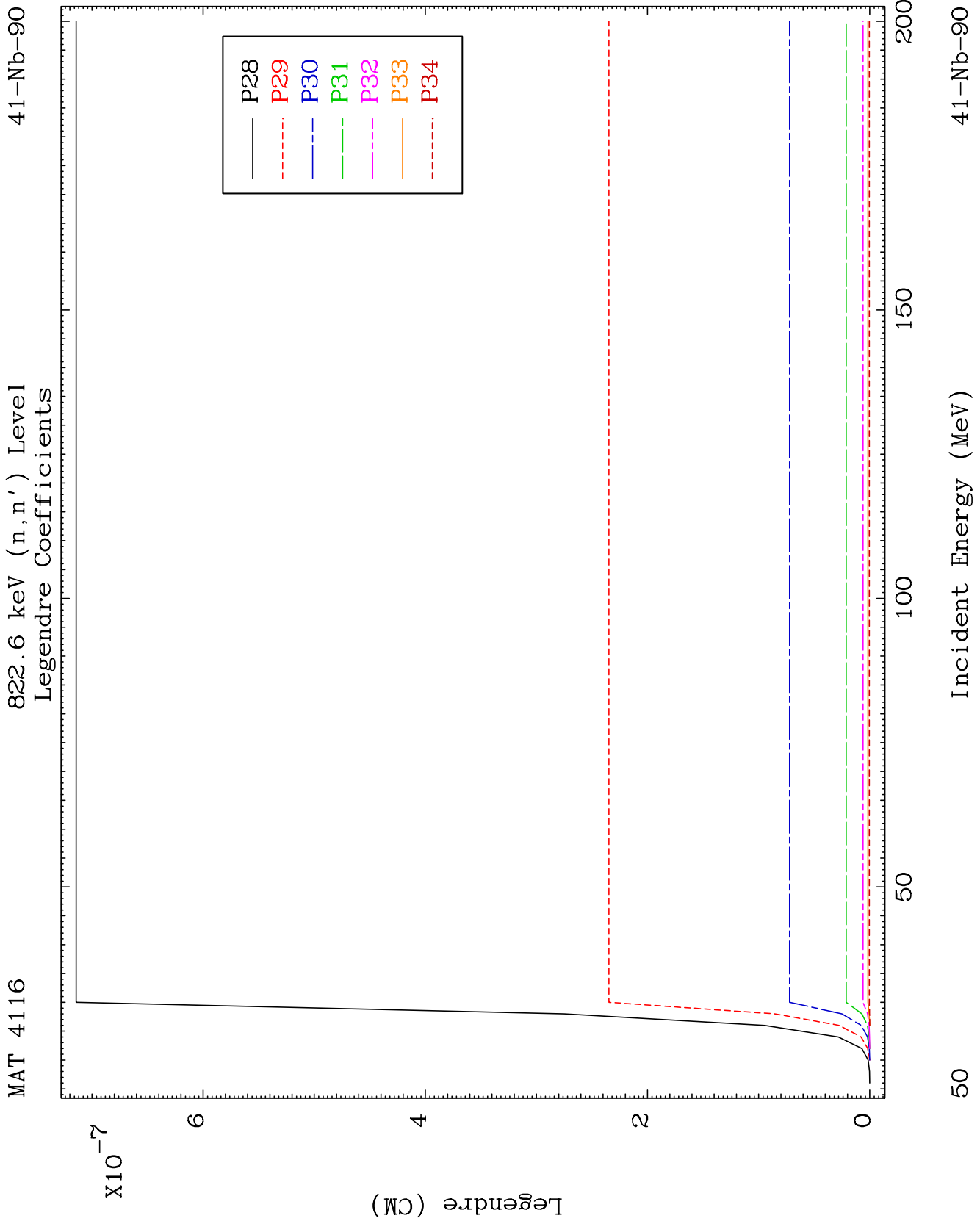








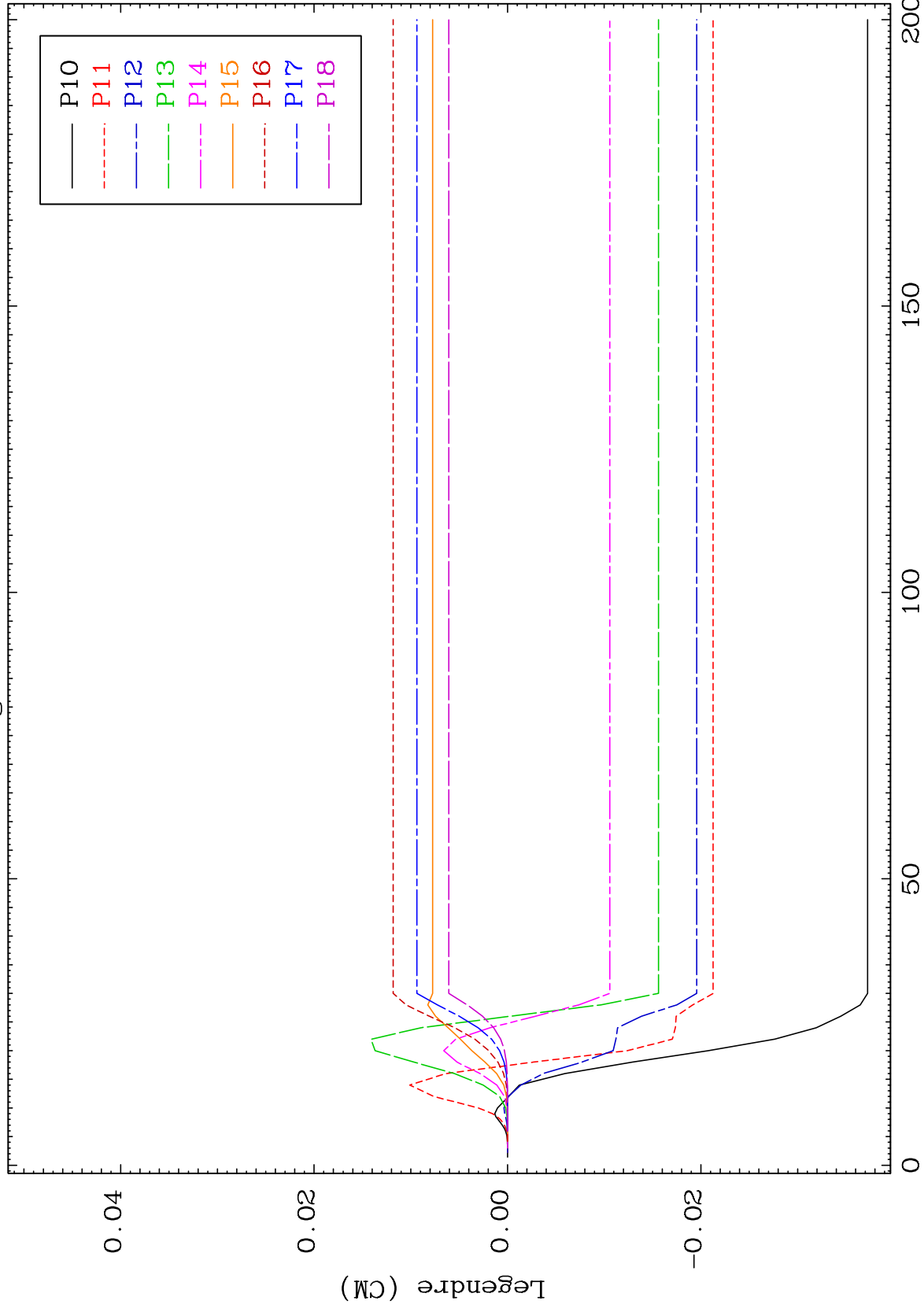




MAT 4116

827.4 keV (n,n') Level
Legendre Coefficients

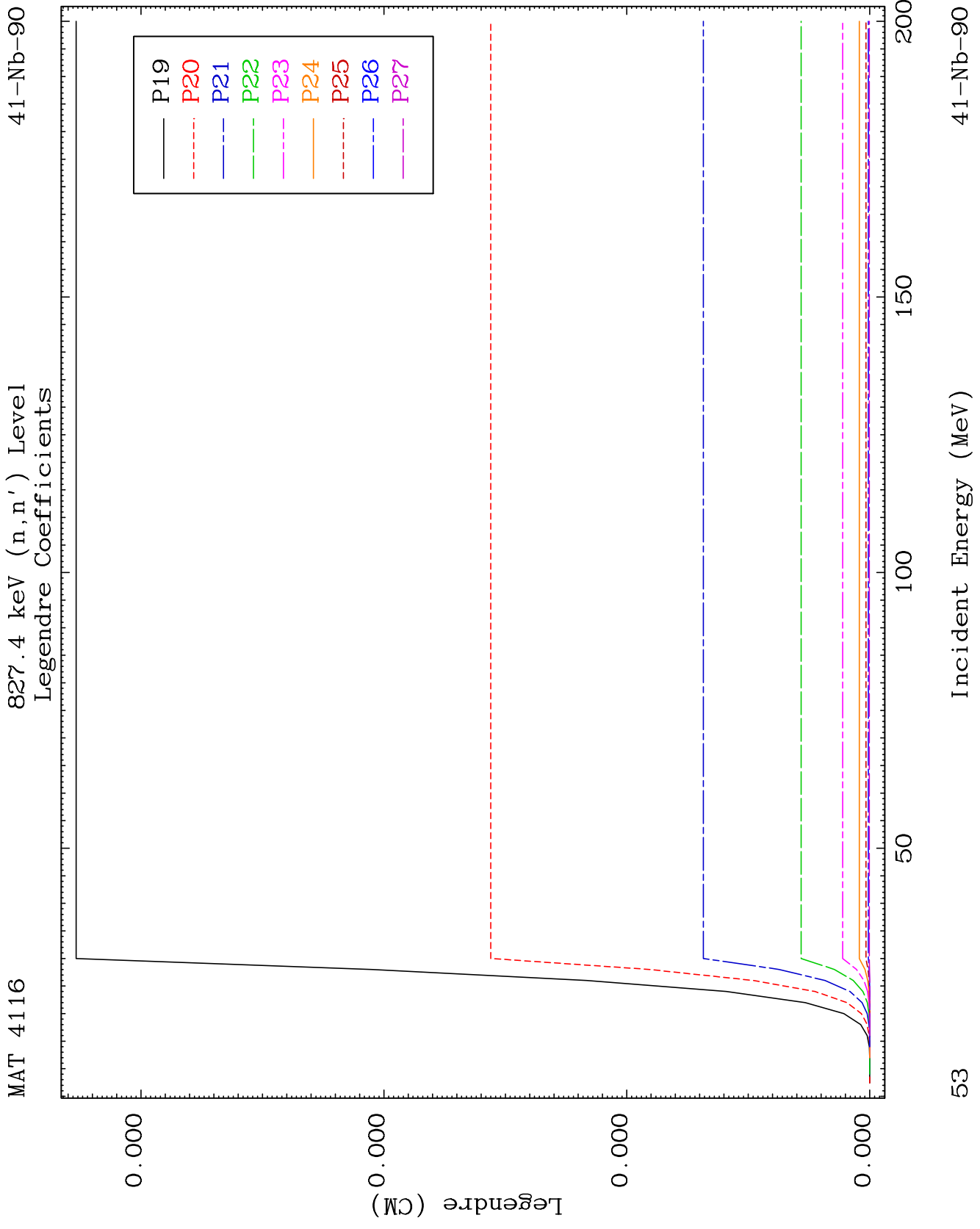
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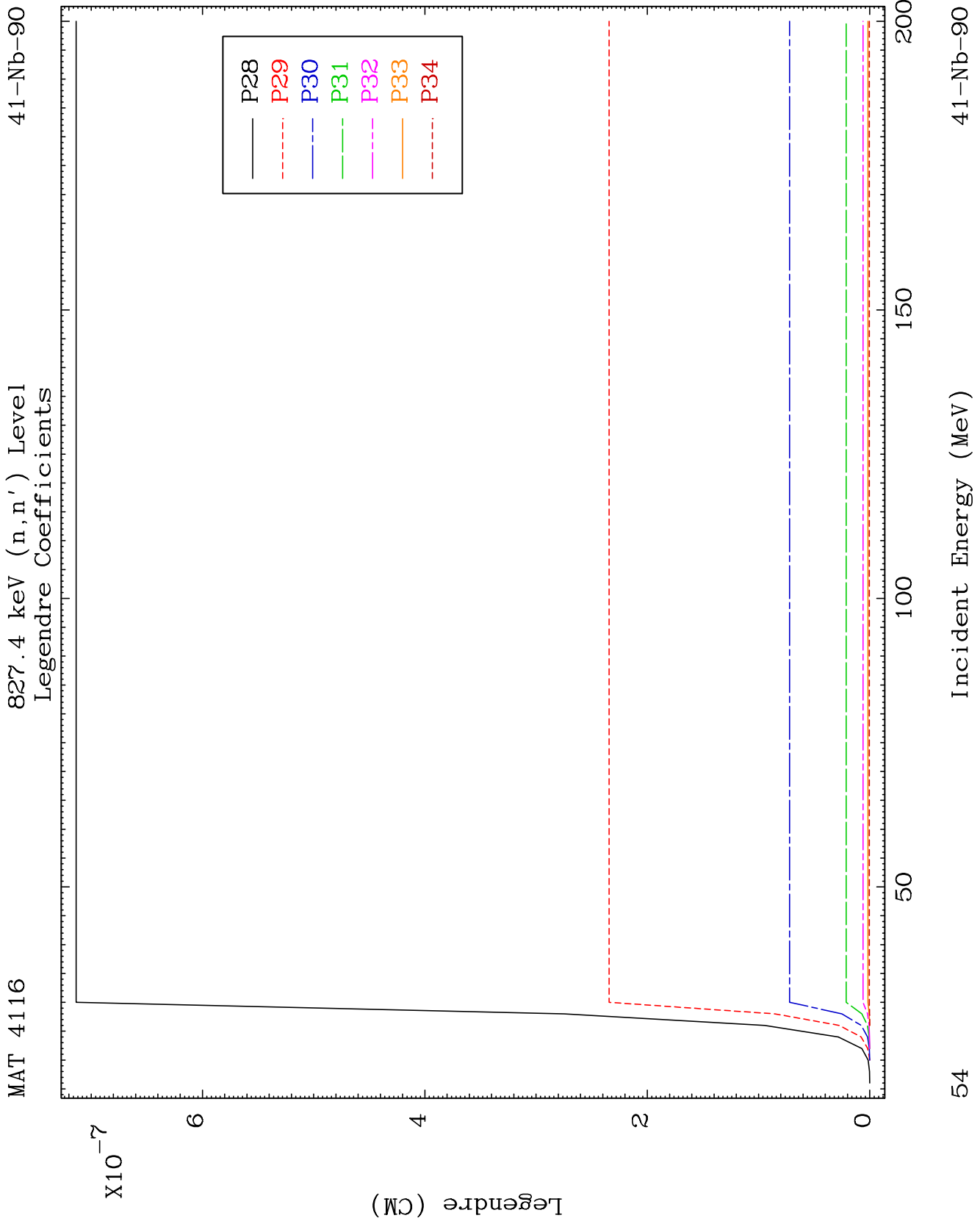


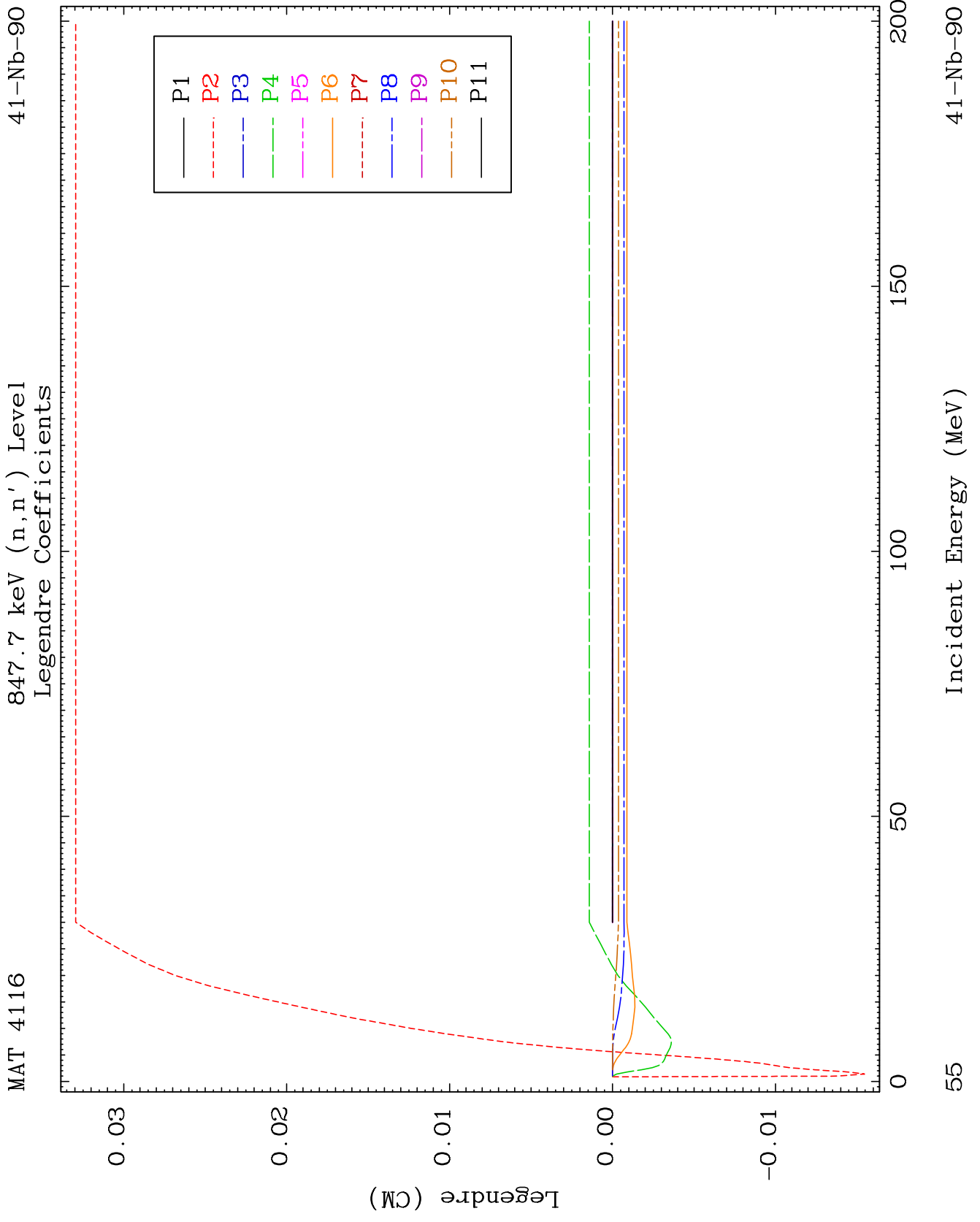
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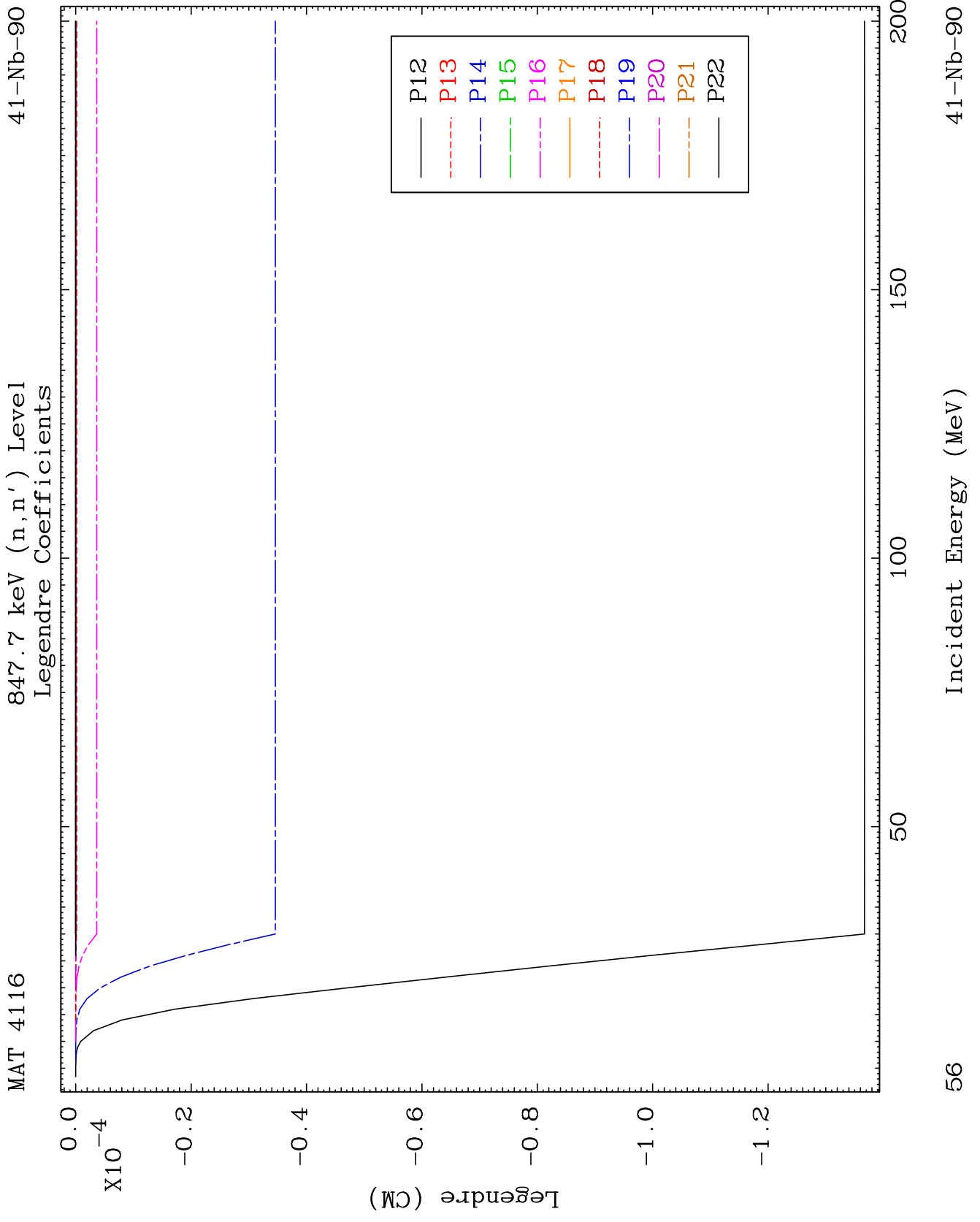
Incident Energy (MeV)

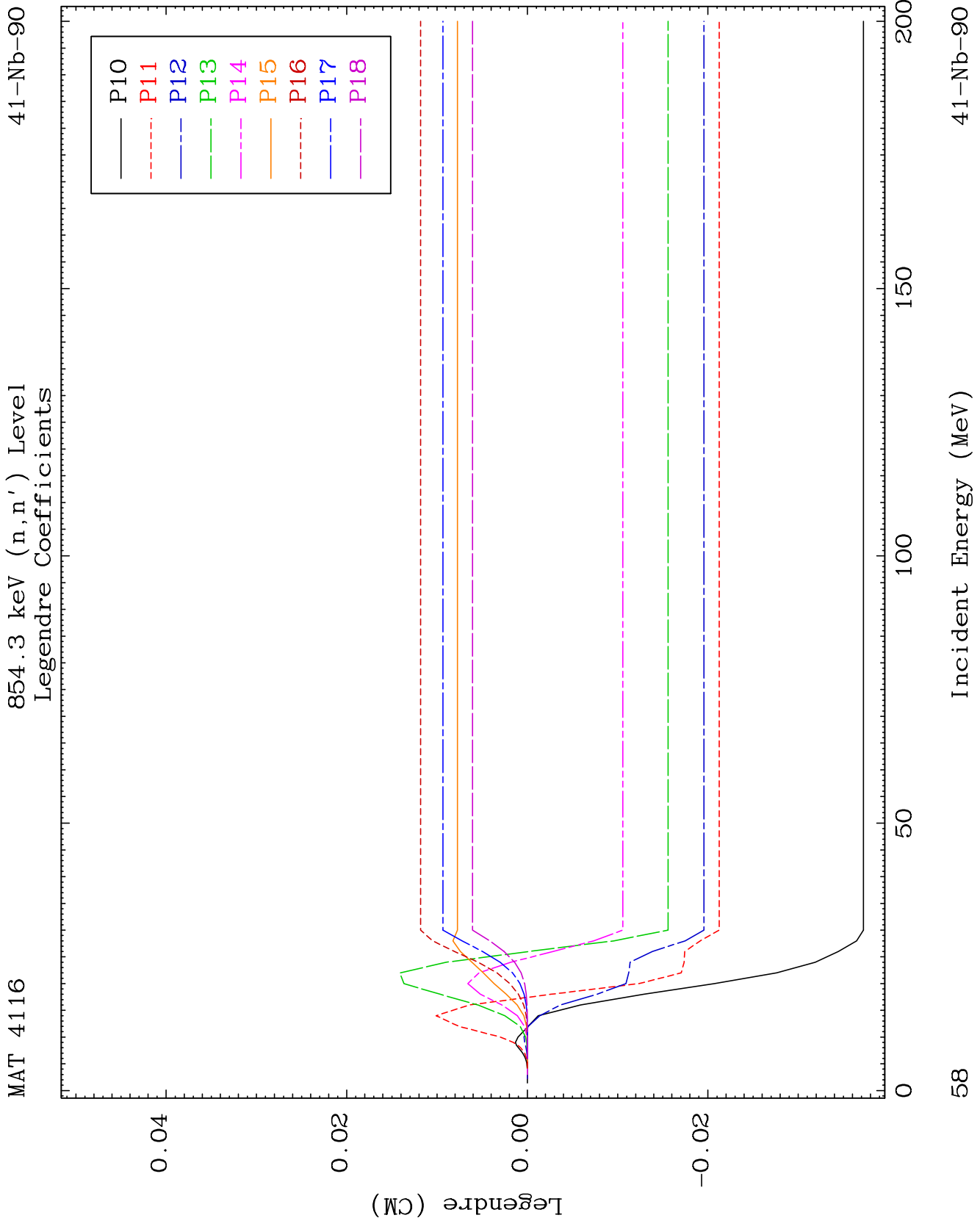
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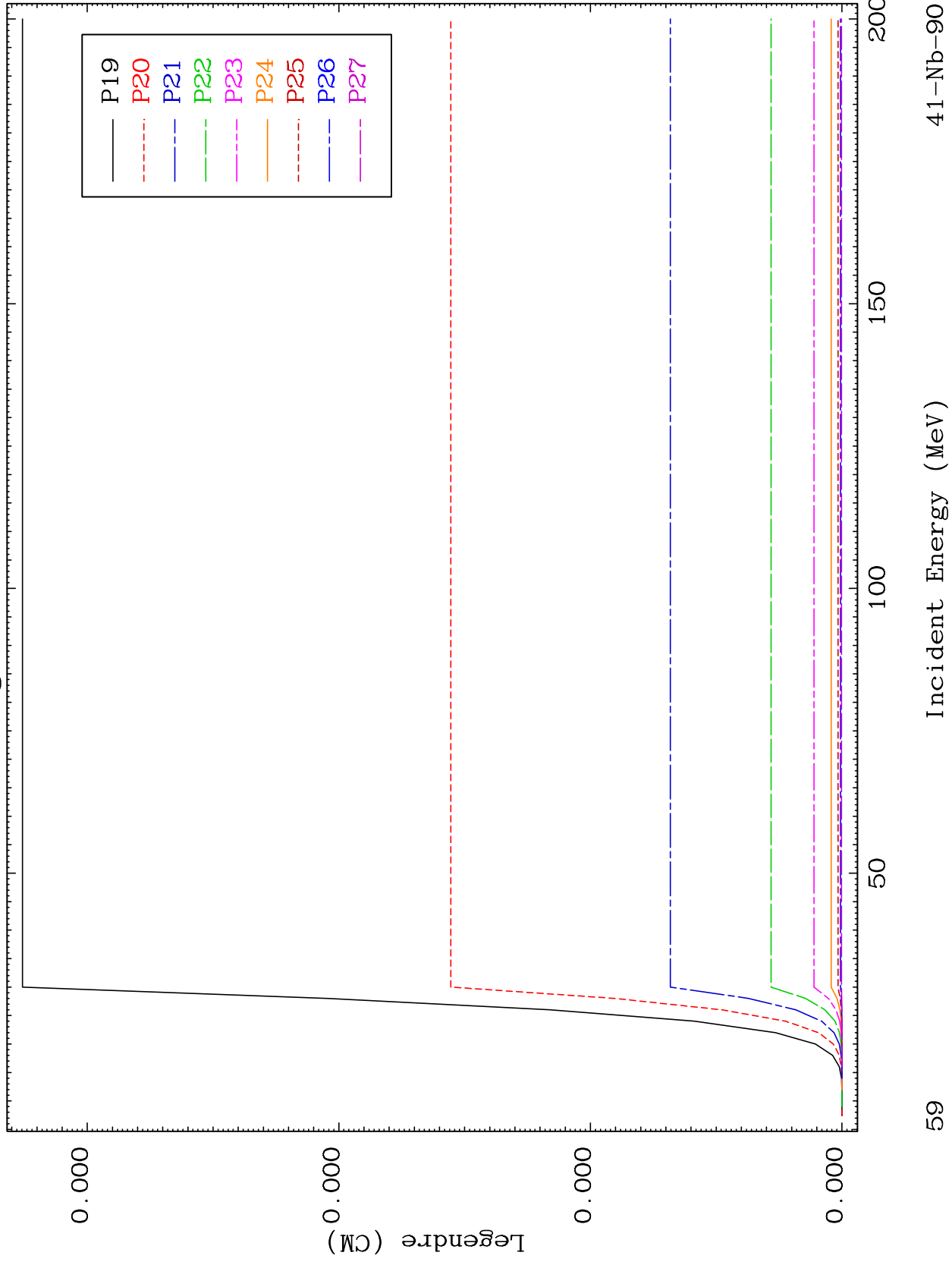




MAT 4116

854.3 keV (n, n') Level
Legendre Coefficients

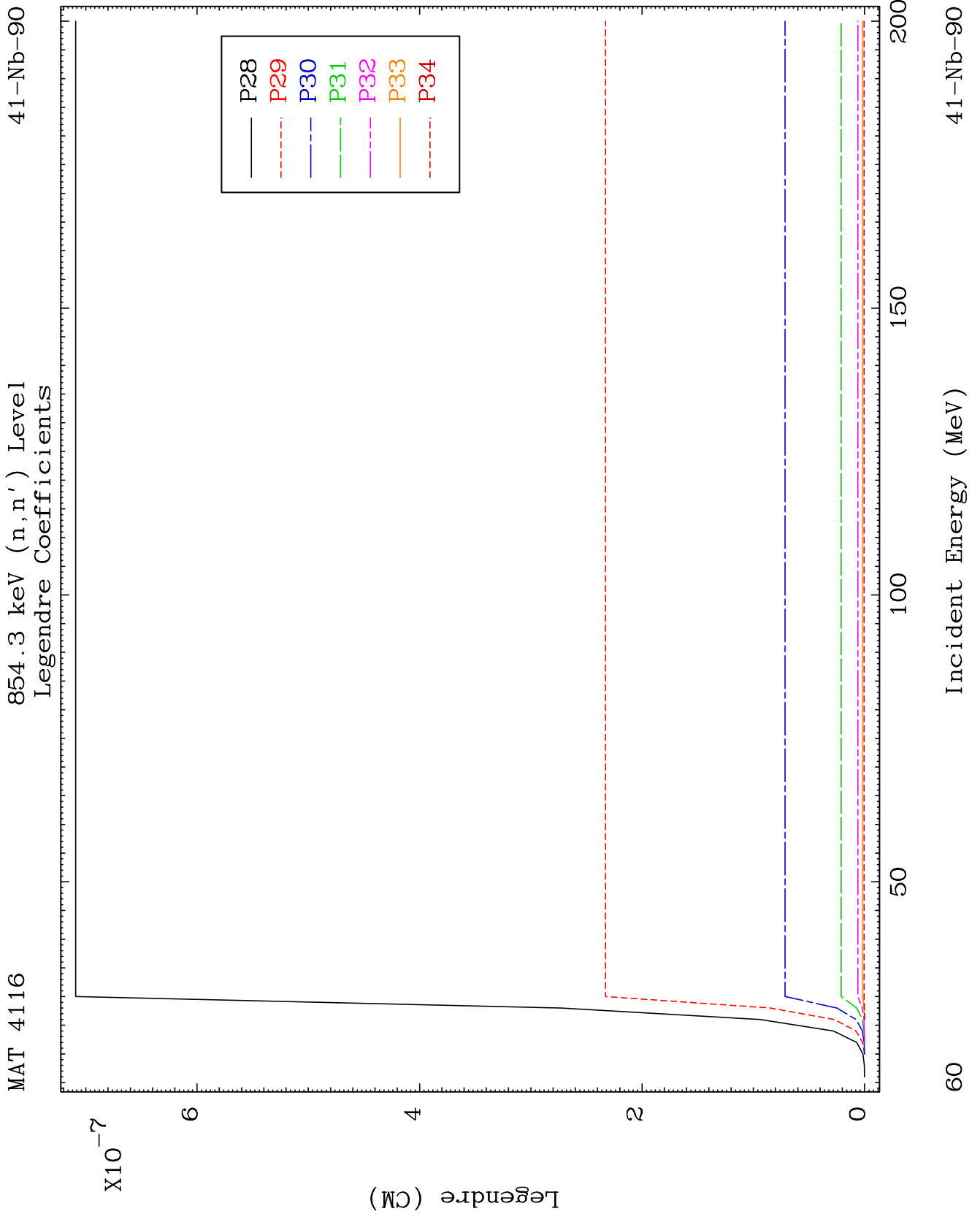
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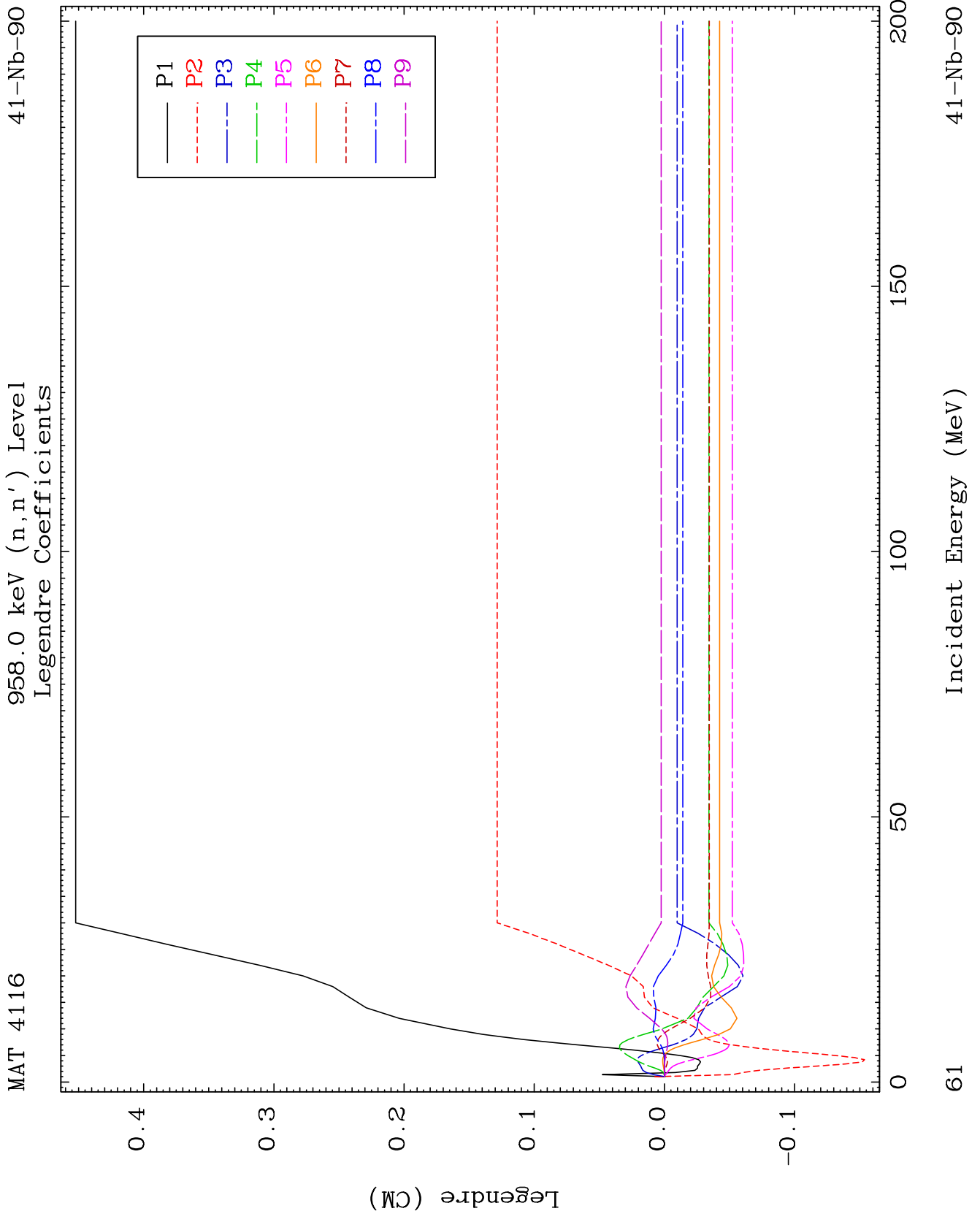


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Incident Energy (MeV)

41-Nb-90

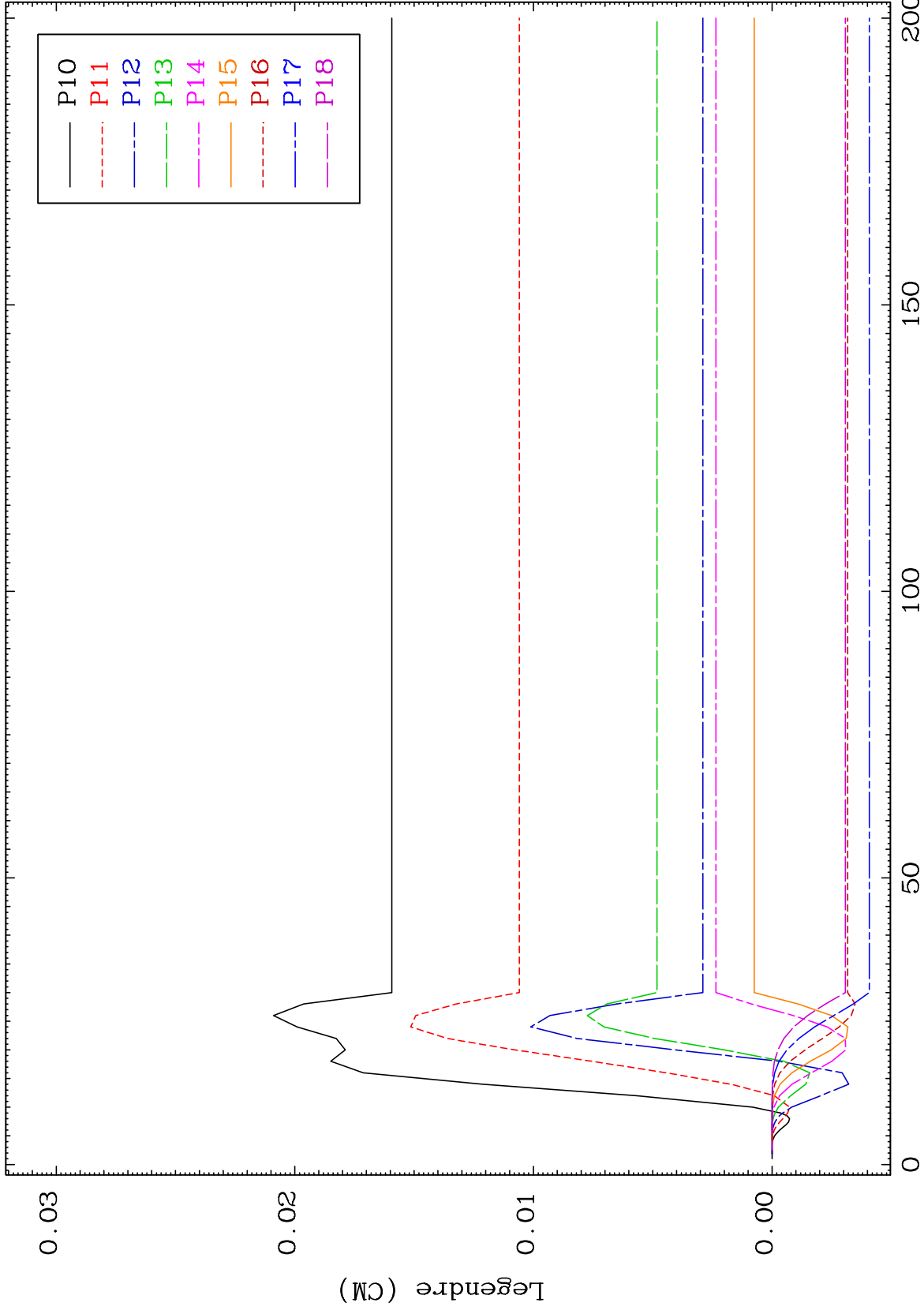




MAT 4116

958.0 keV (n,n') Level
Legendre Coefficients

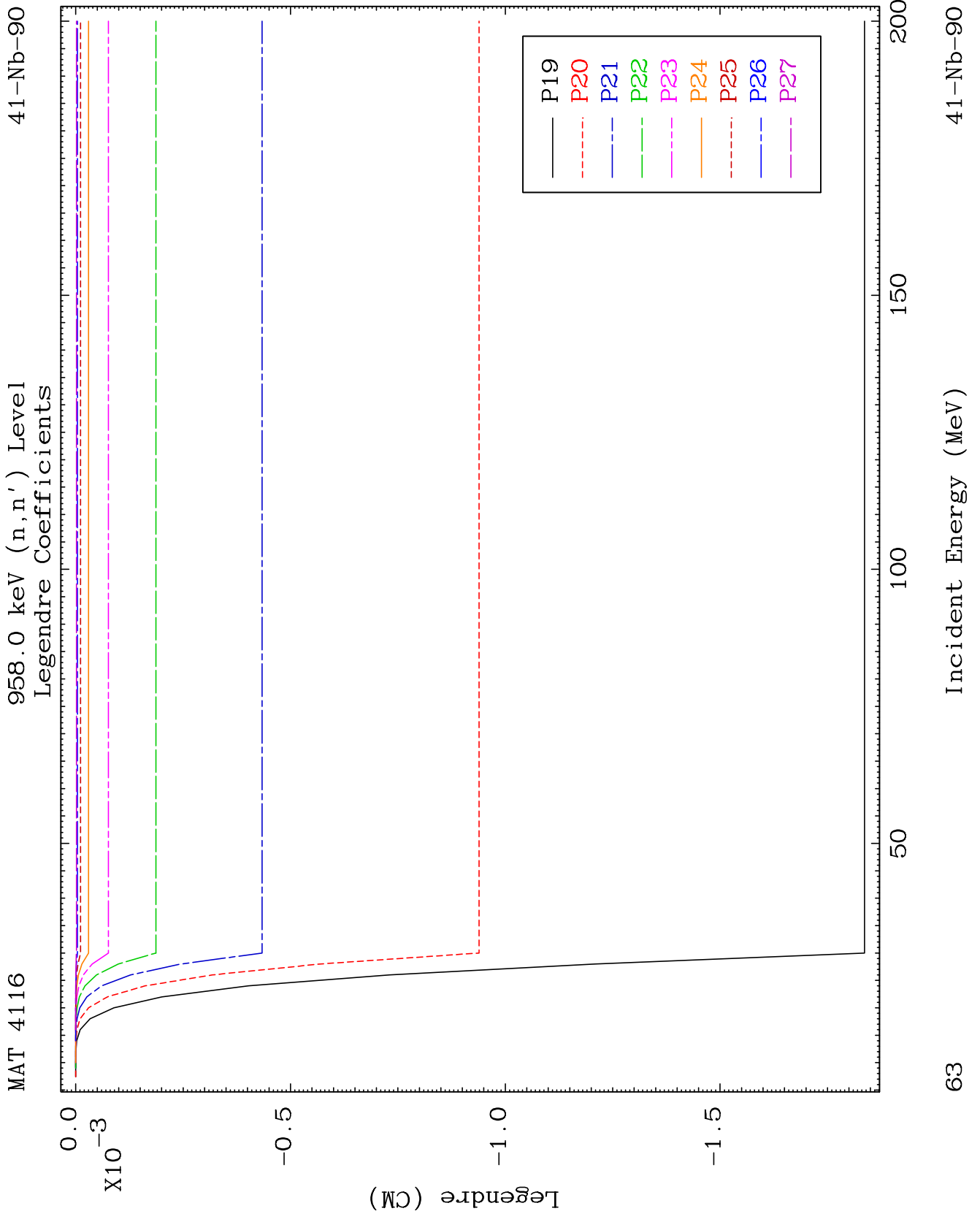
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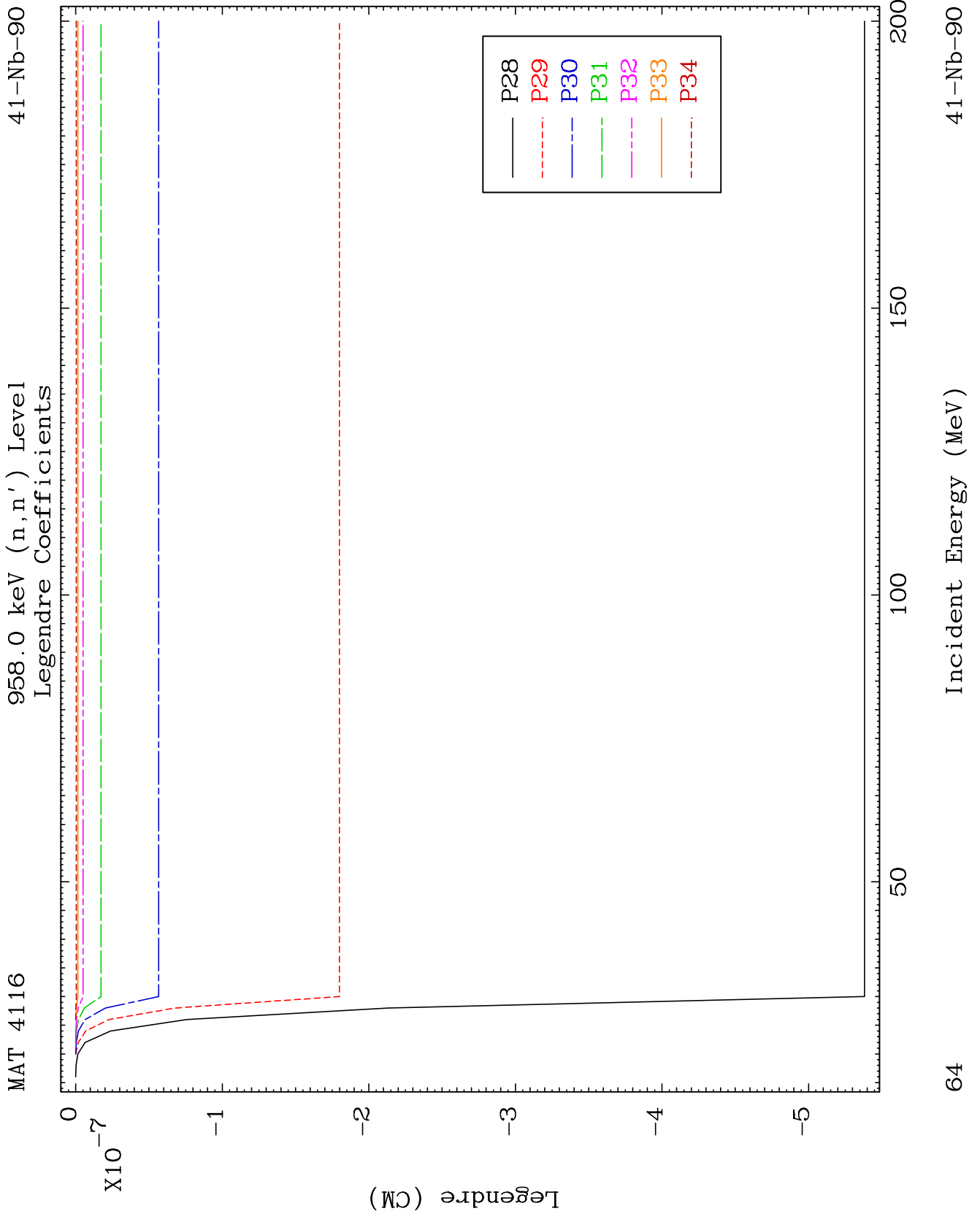


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Incident Energy (MeV)

41-Nb-90

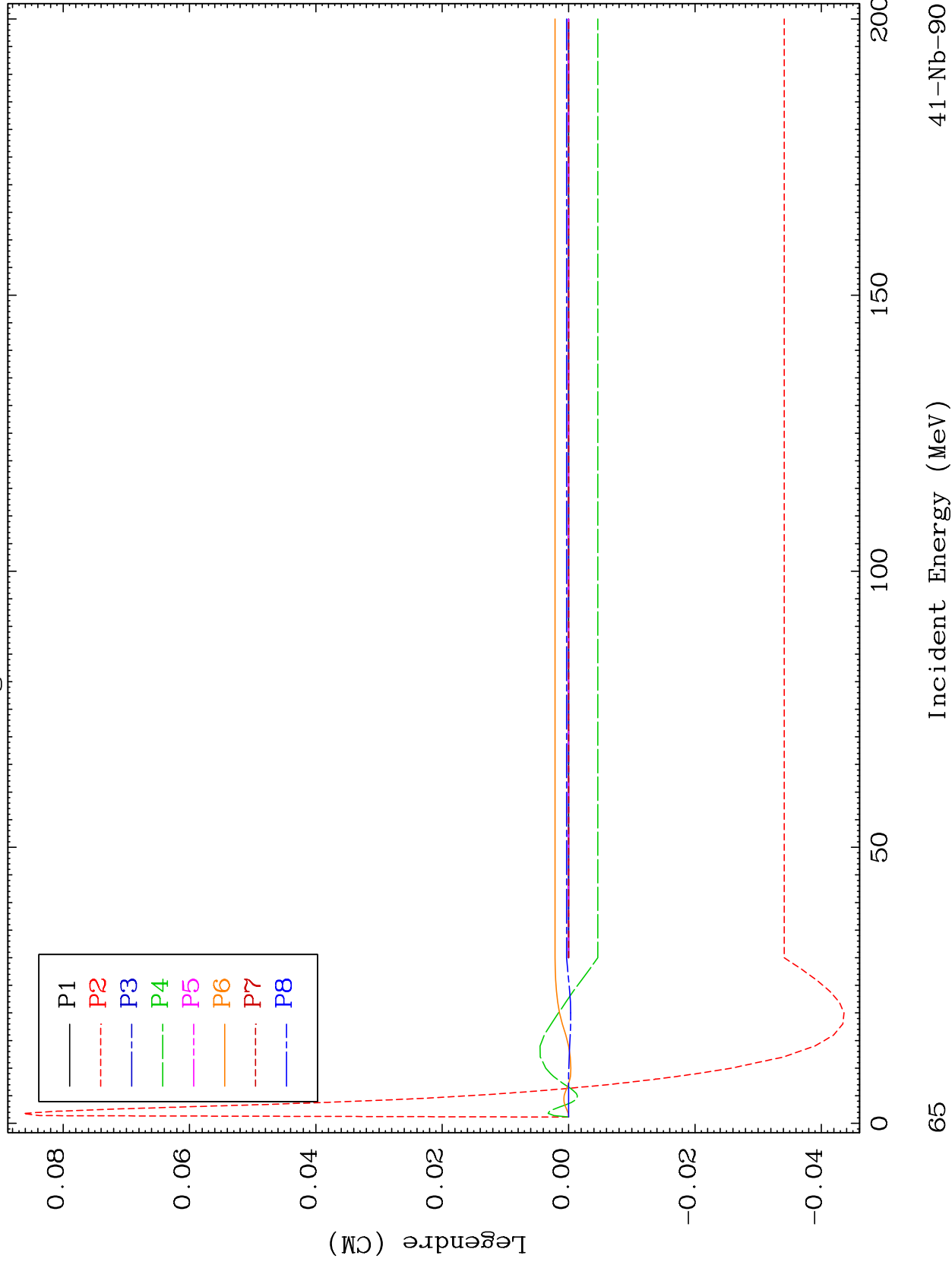


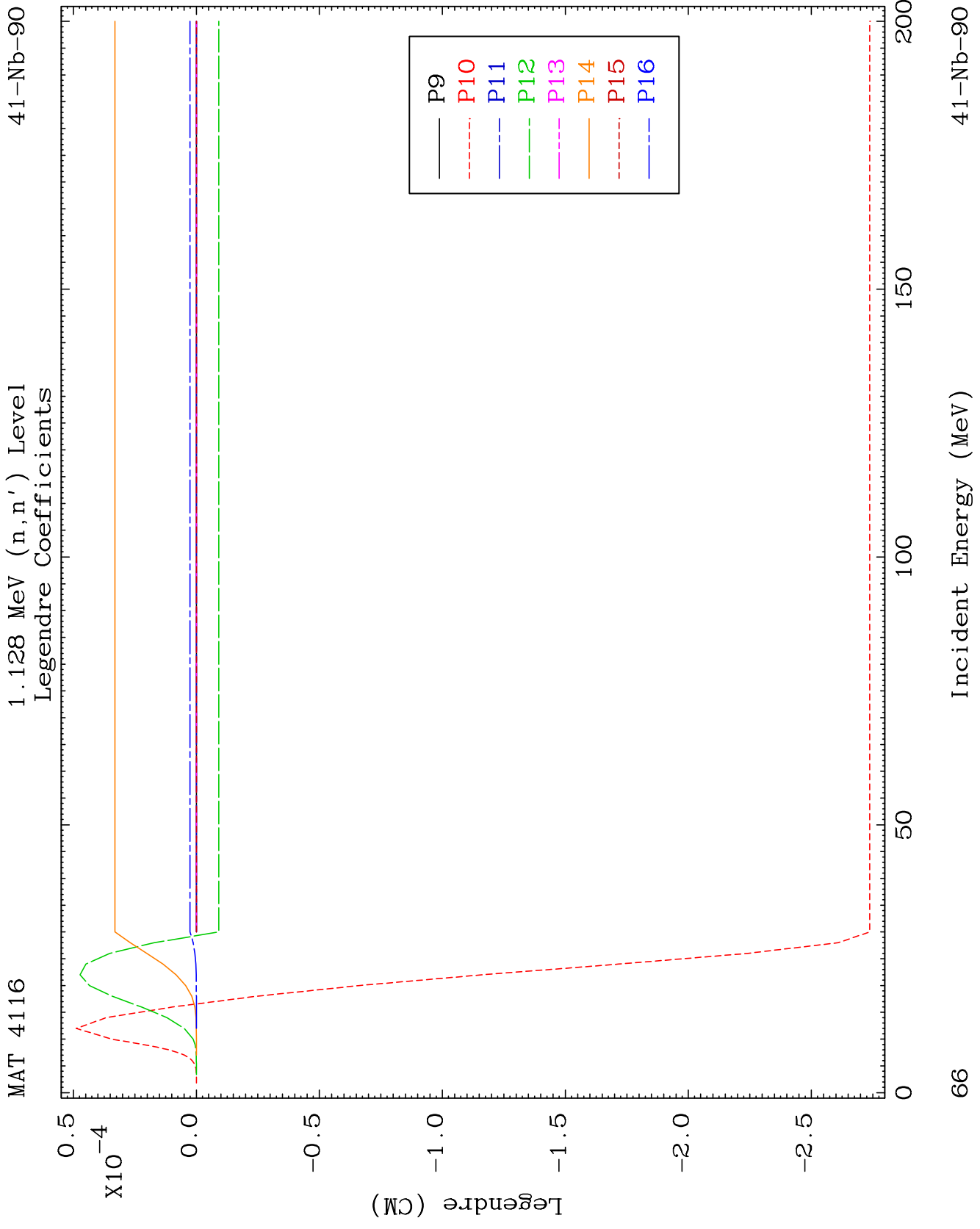


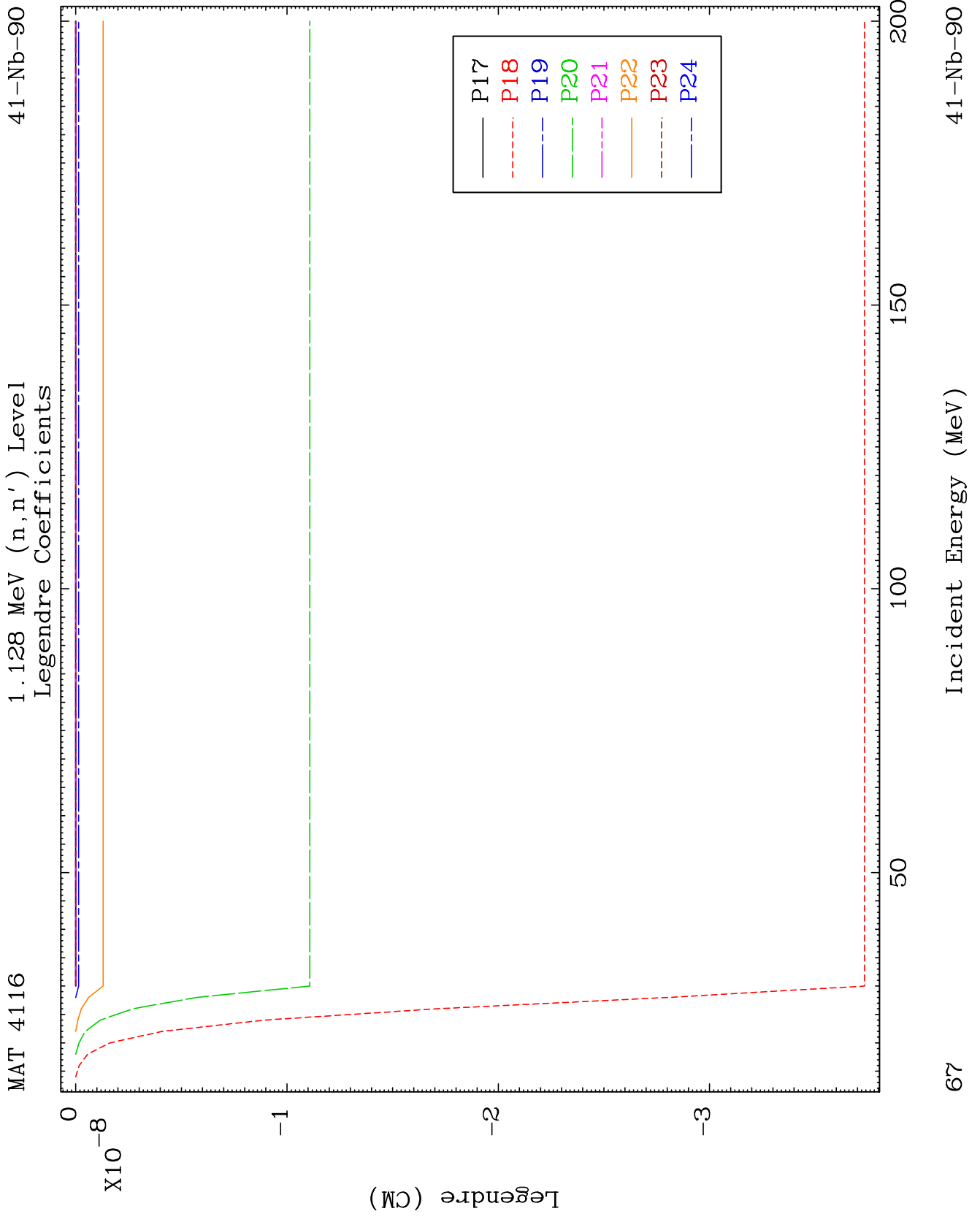
MAT 4116

1.128 MeV (n,n') Level
Legendre Coefficients

41-Nb-90



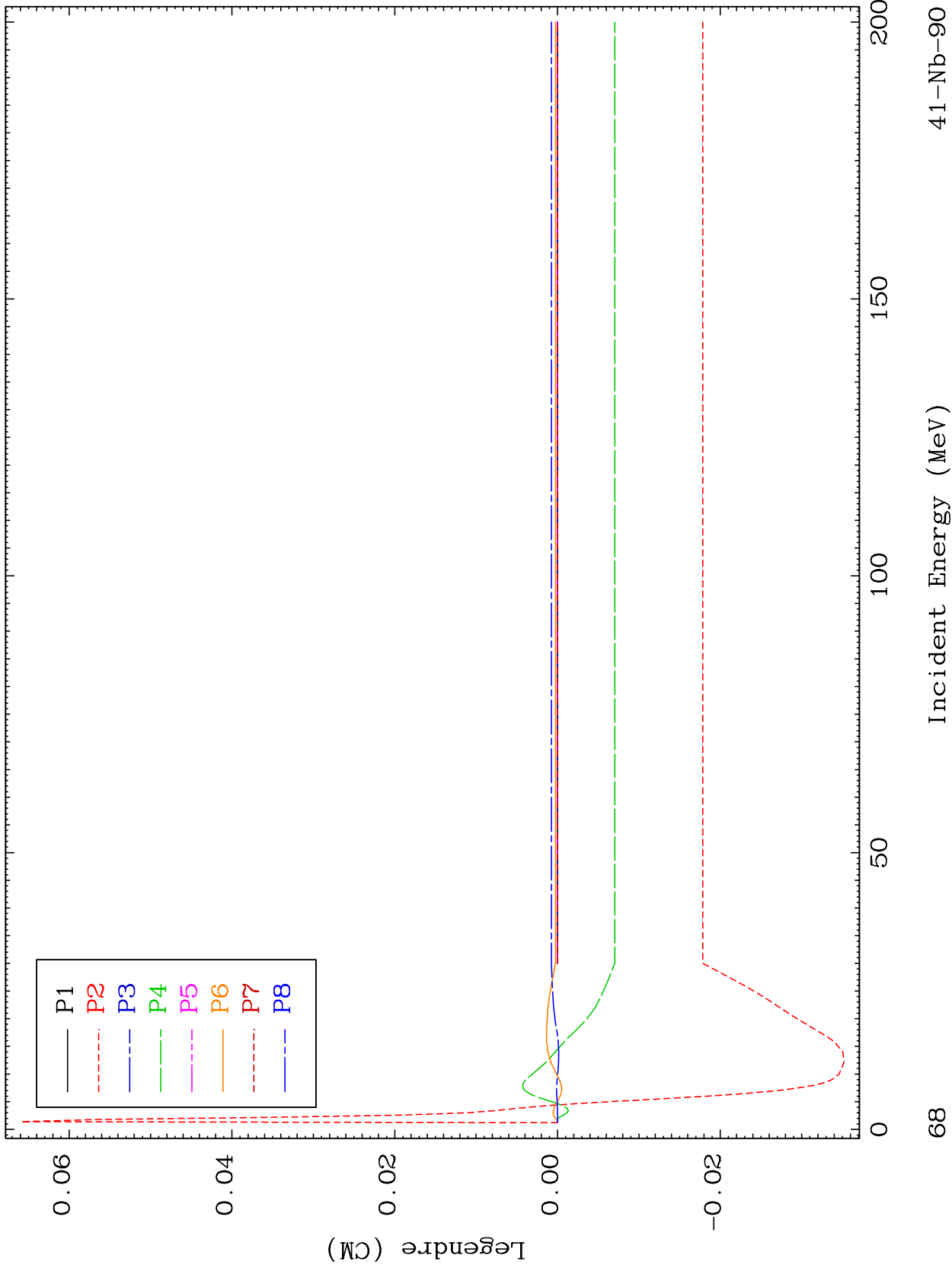




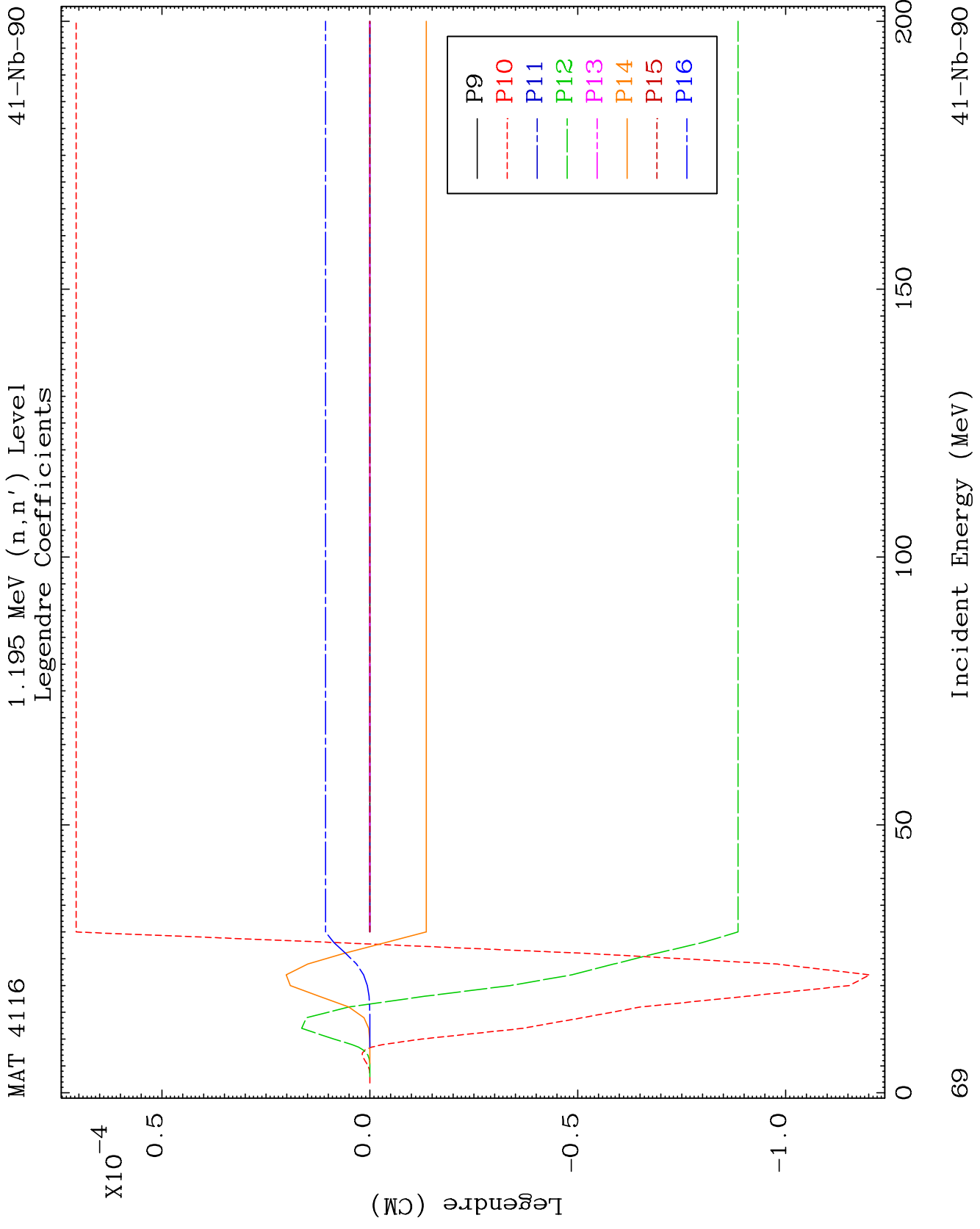
MAT 4116

1.195 MeV (n,n') Level
Legendre Coefficients

41-Nb-90



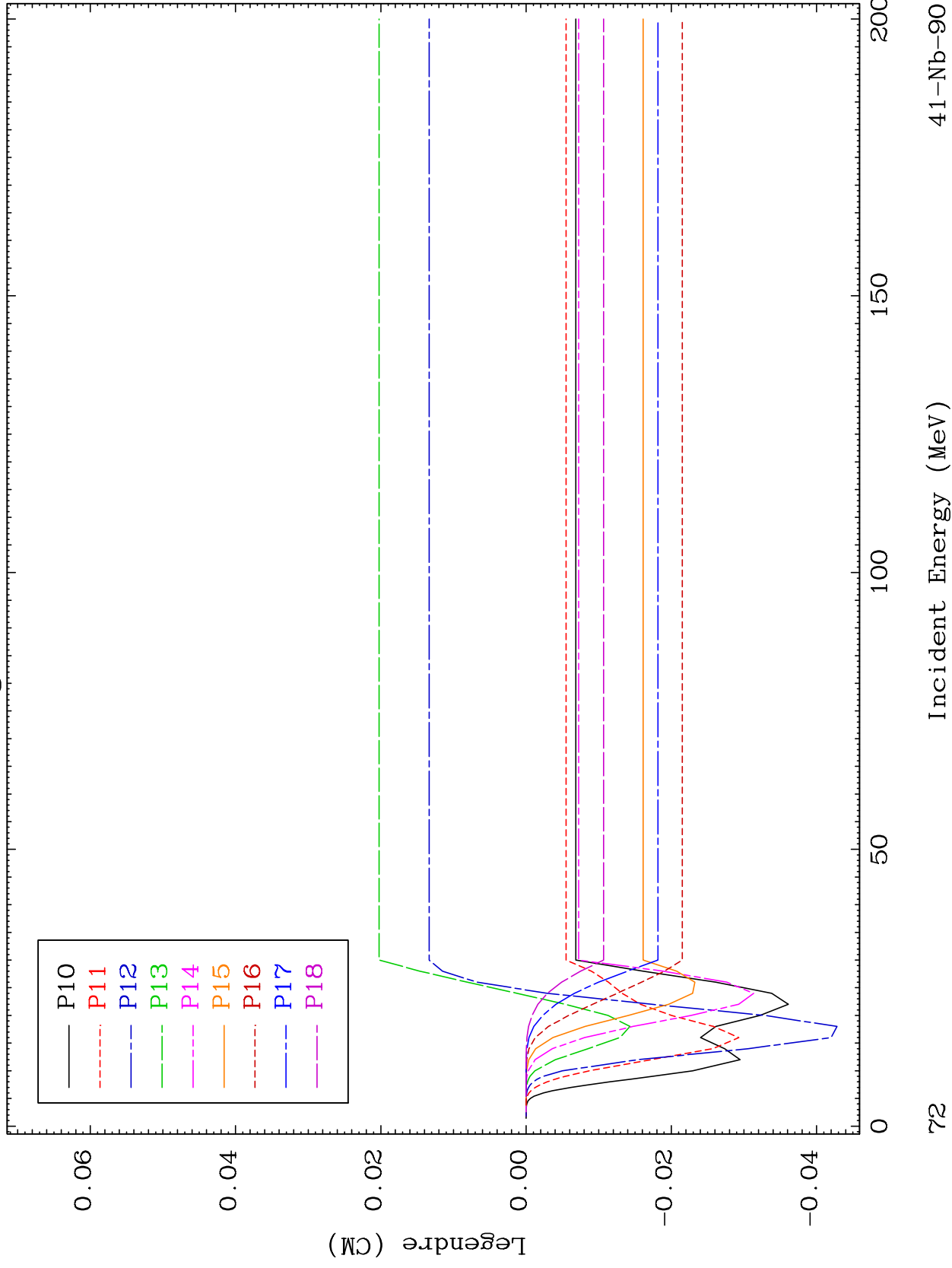
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MAT 4116

1.231 MeV (n,n') Level
Legendre Coefficients

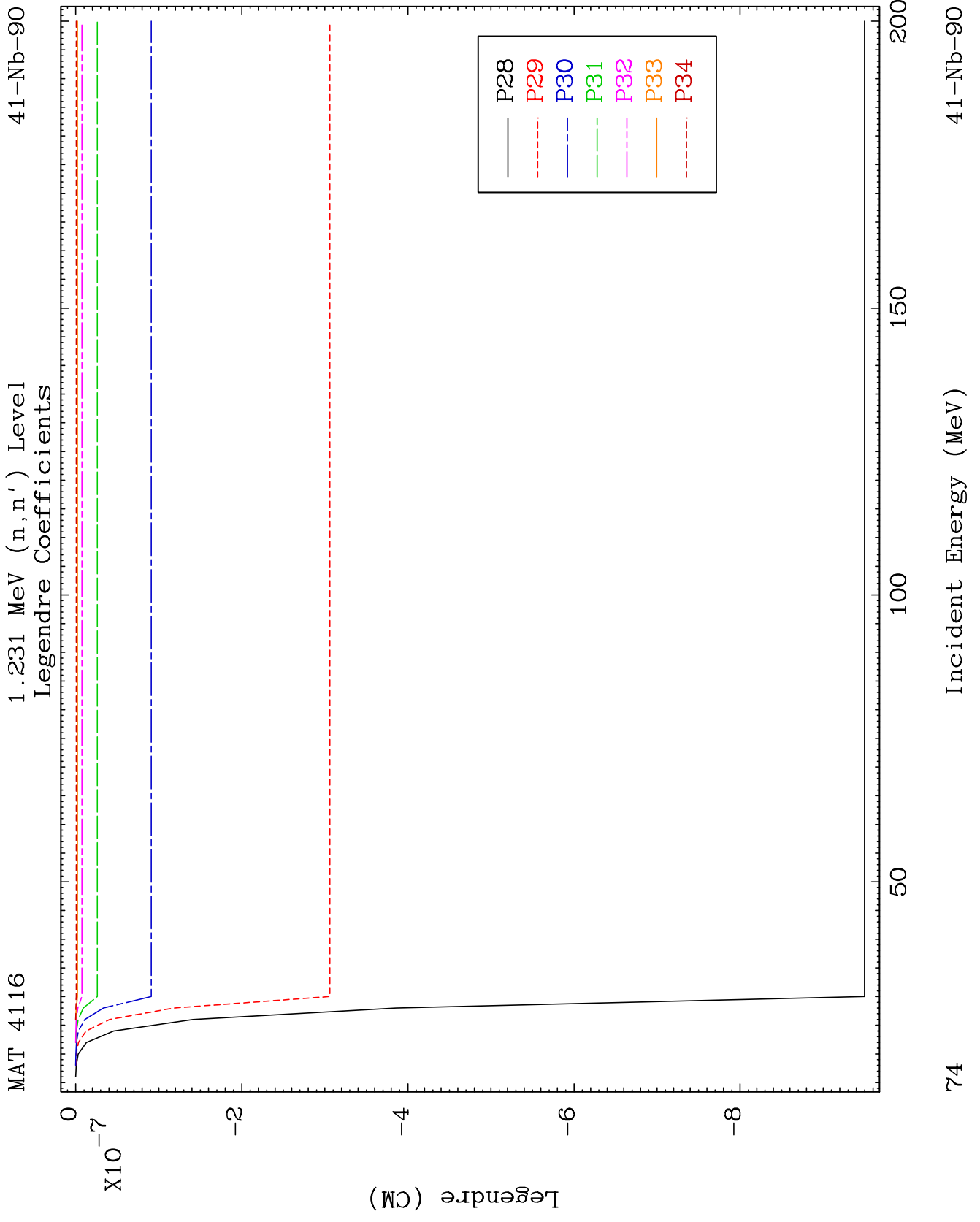
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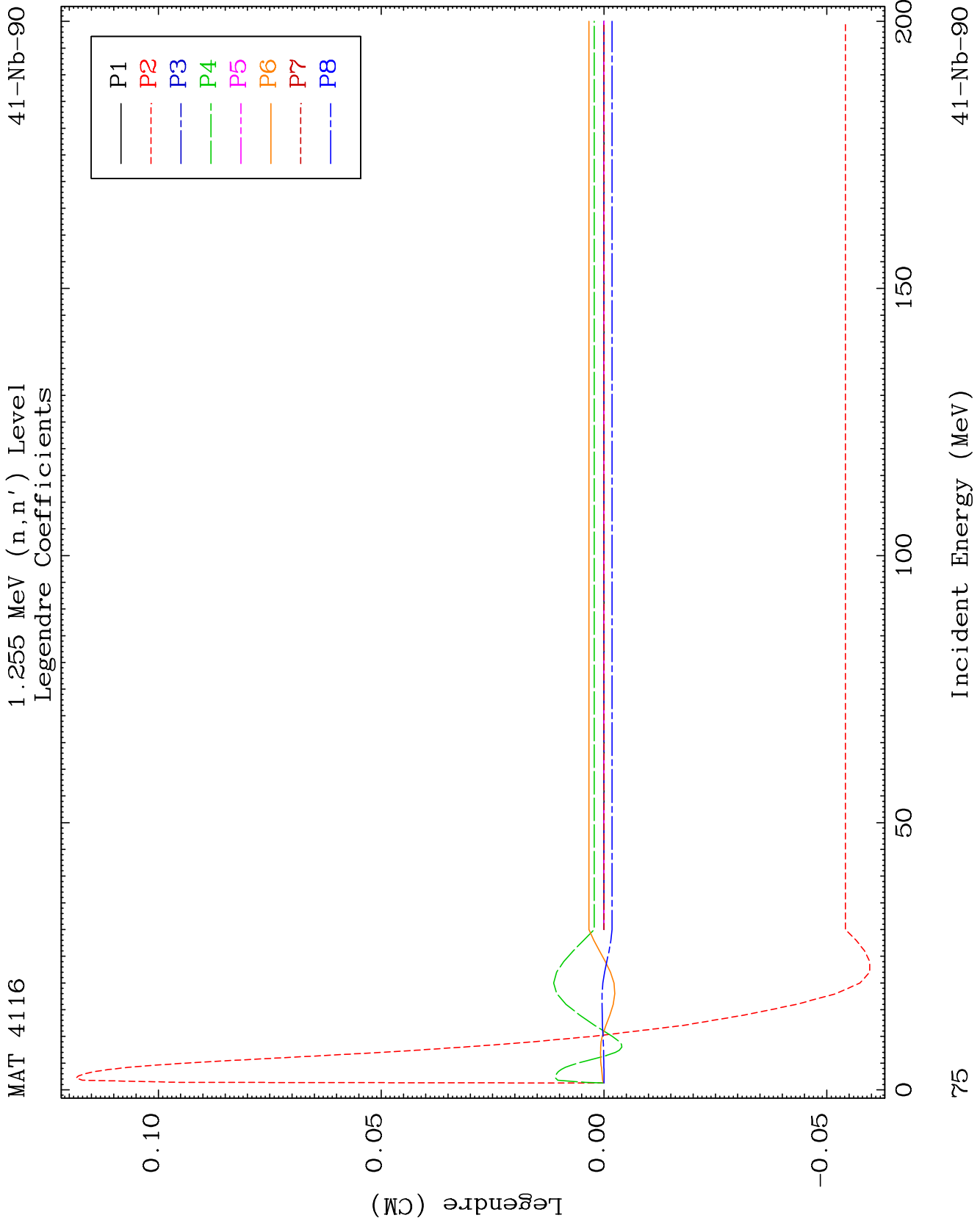


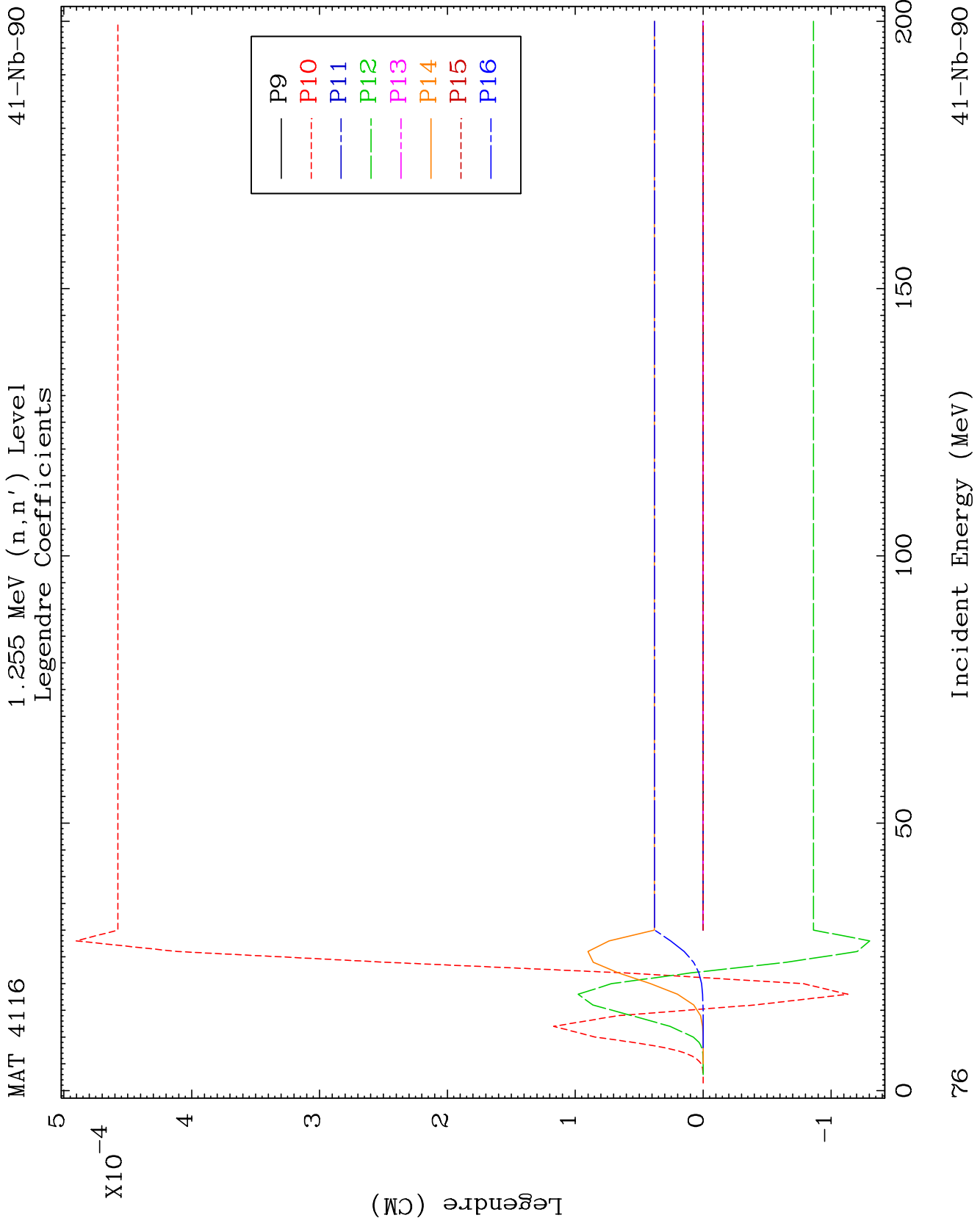
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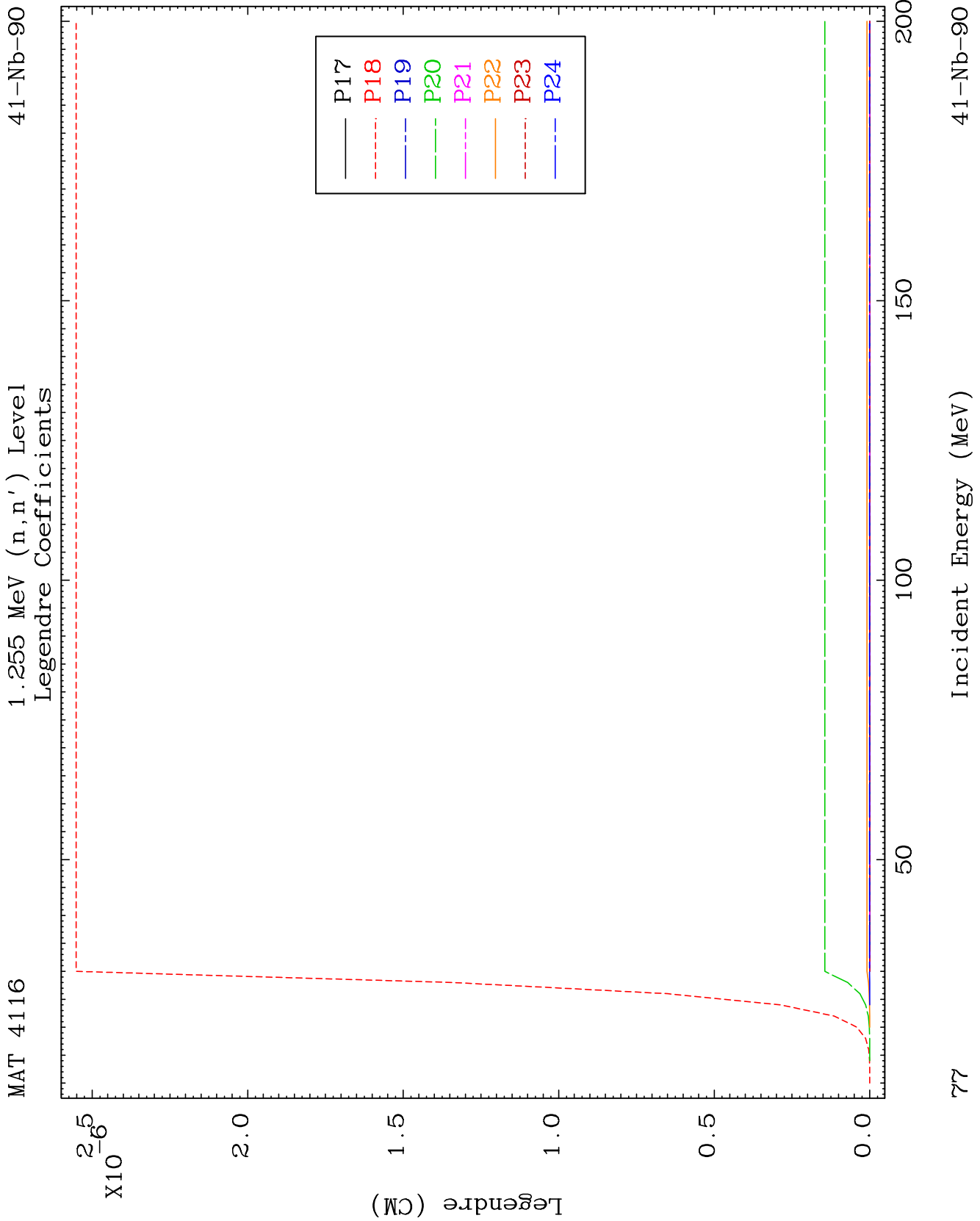
Incident Energy (MeV)

41-Nb-90





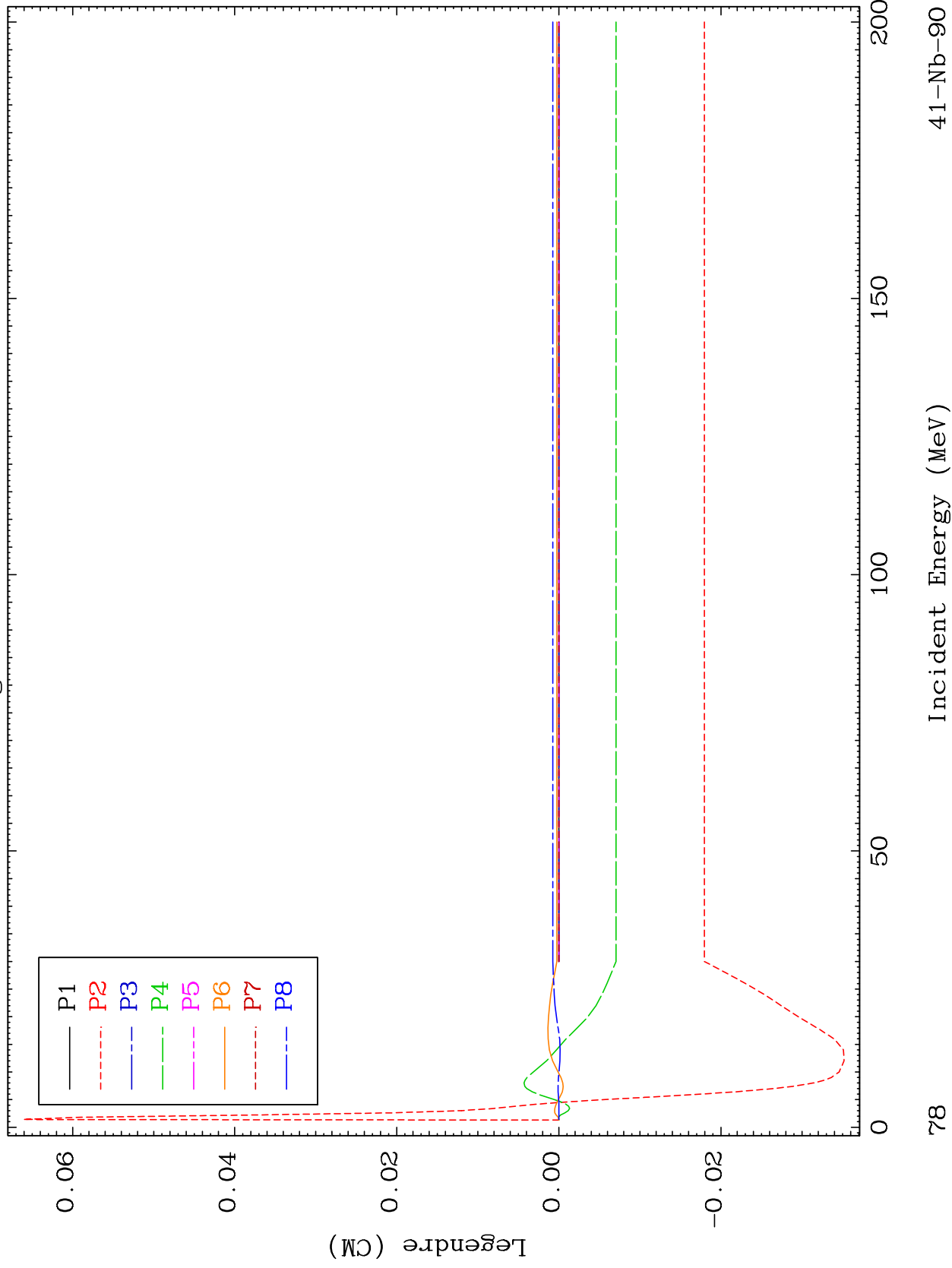




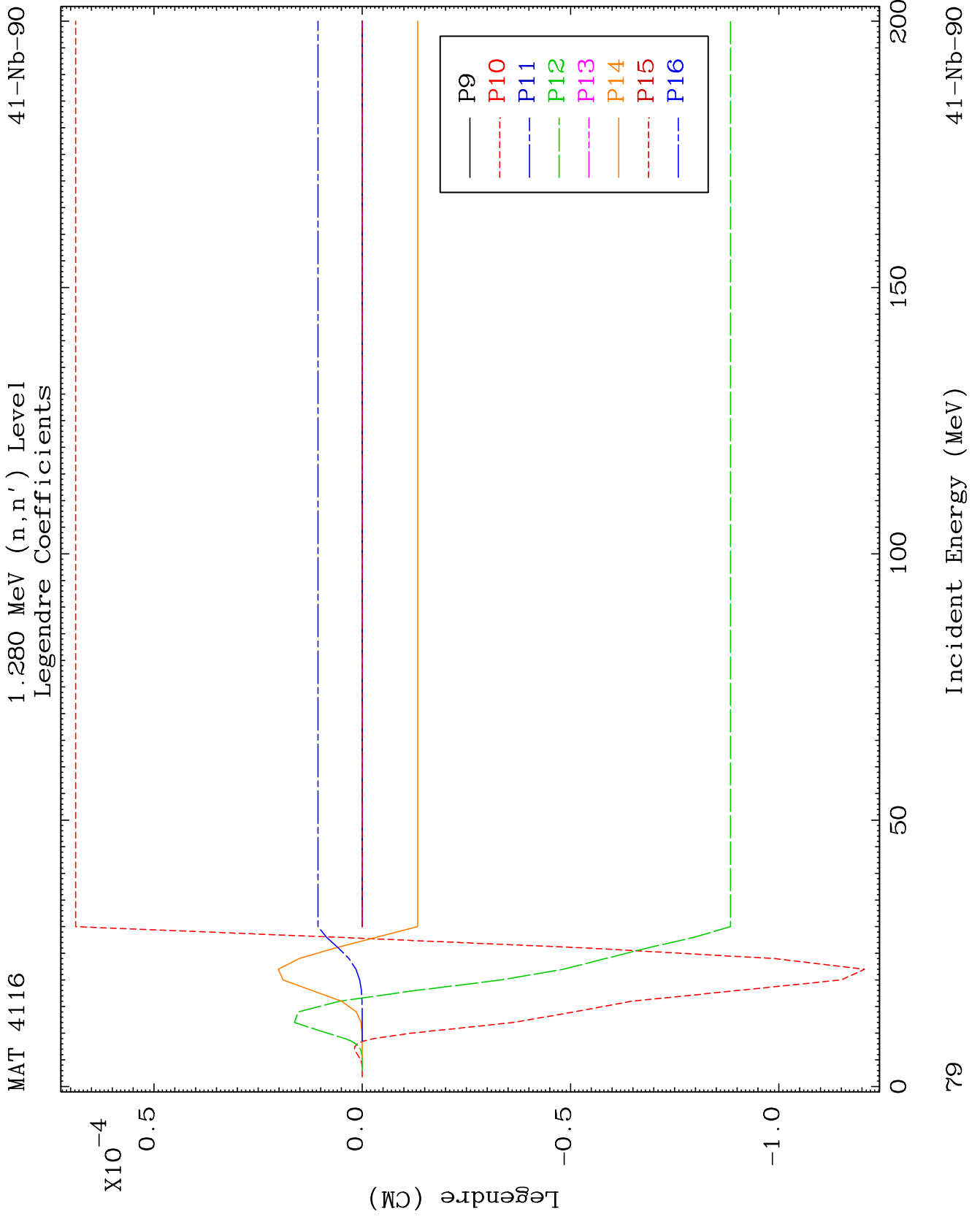
MAT 4116

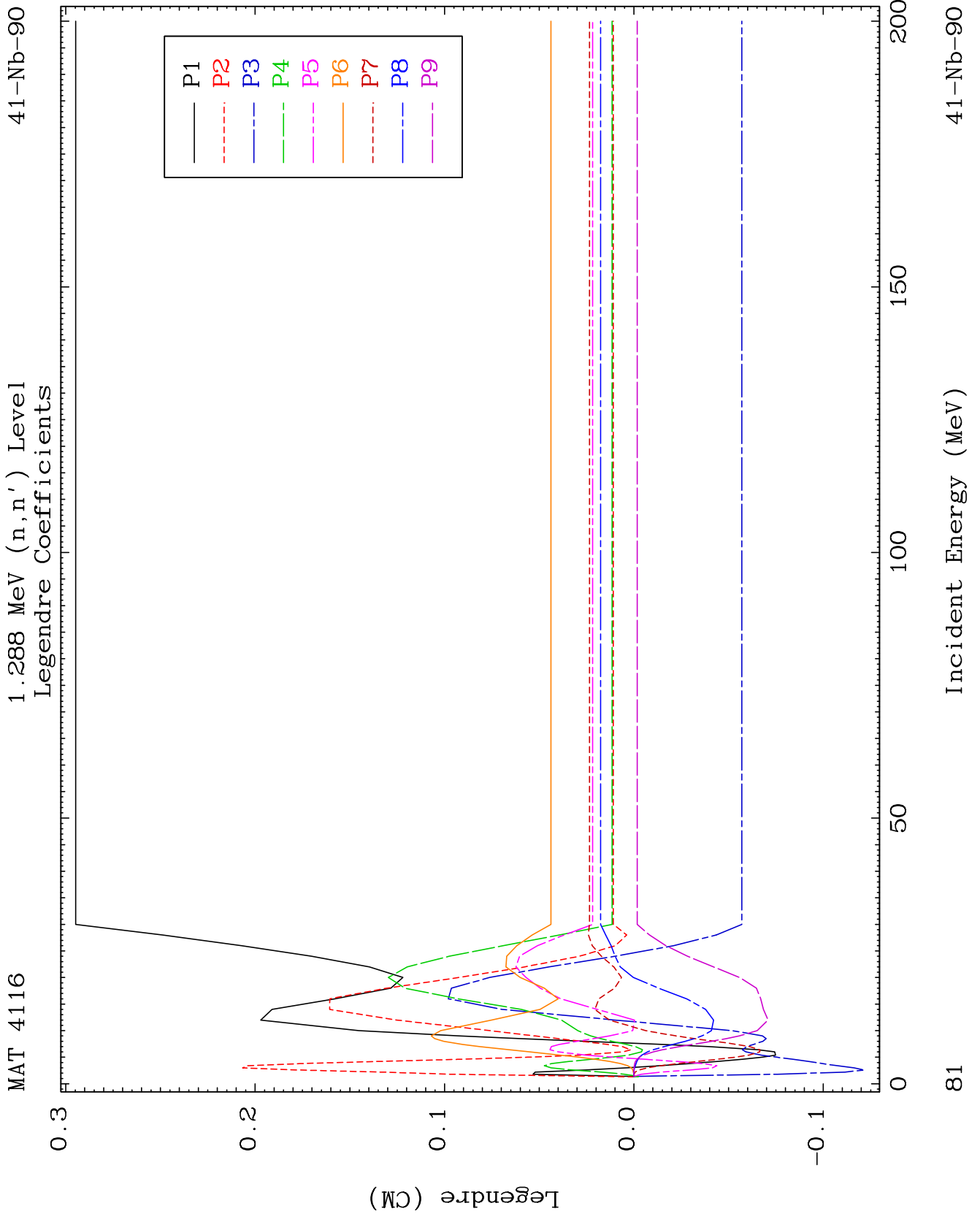
1.280 MeV (n,n') Level
Legendre Coefficients

41-Nb-90



78

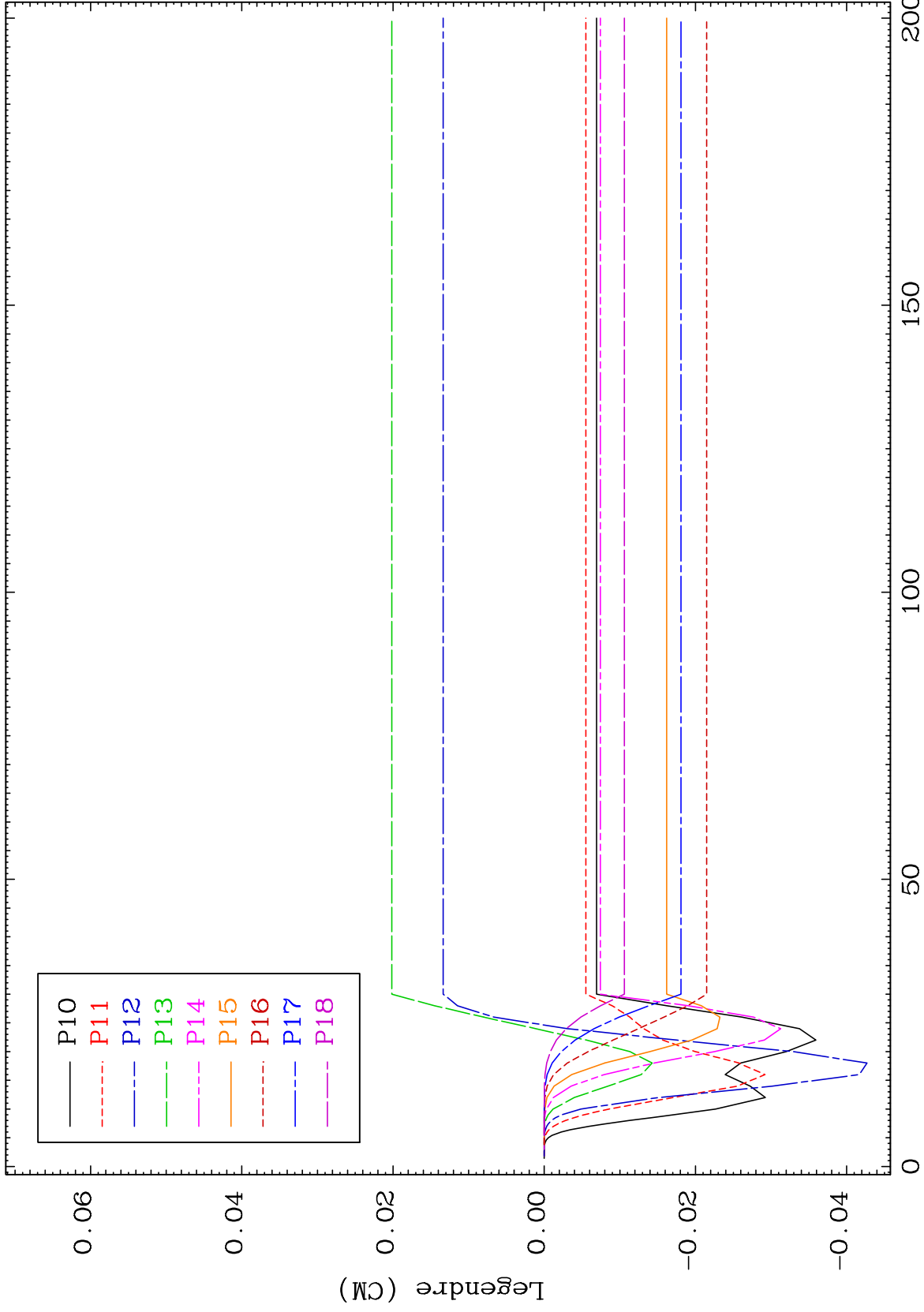




MAT 4116

1.288 MeV (n,n') Level
Legendre Coefficients

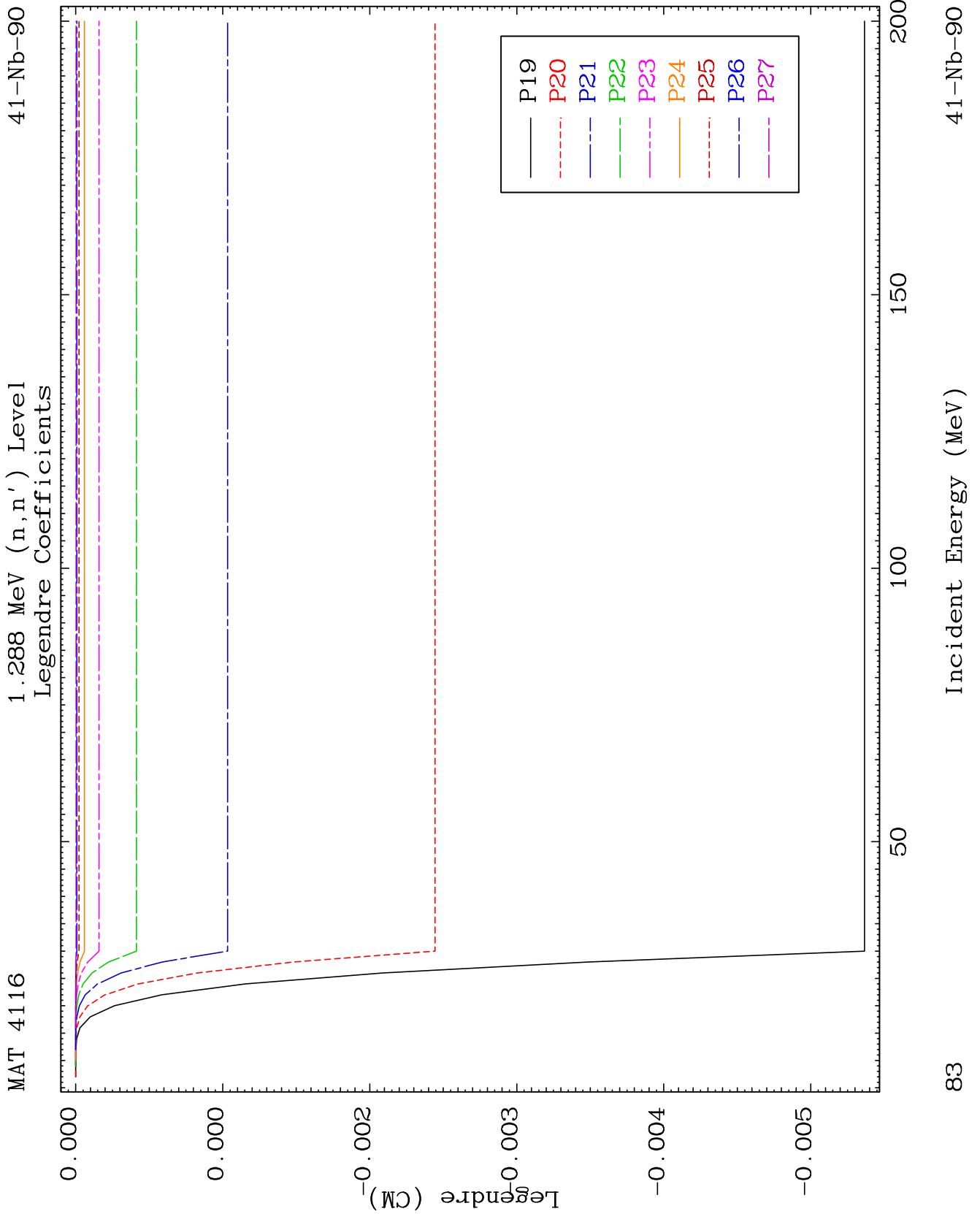
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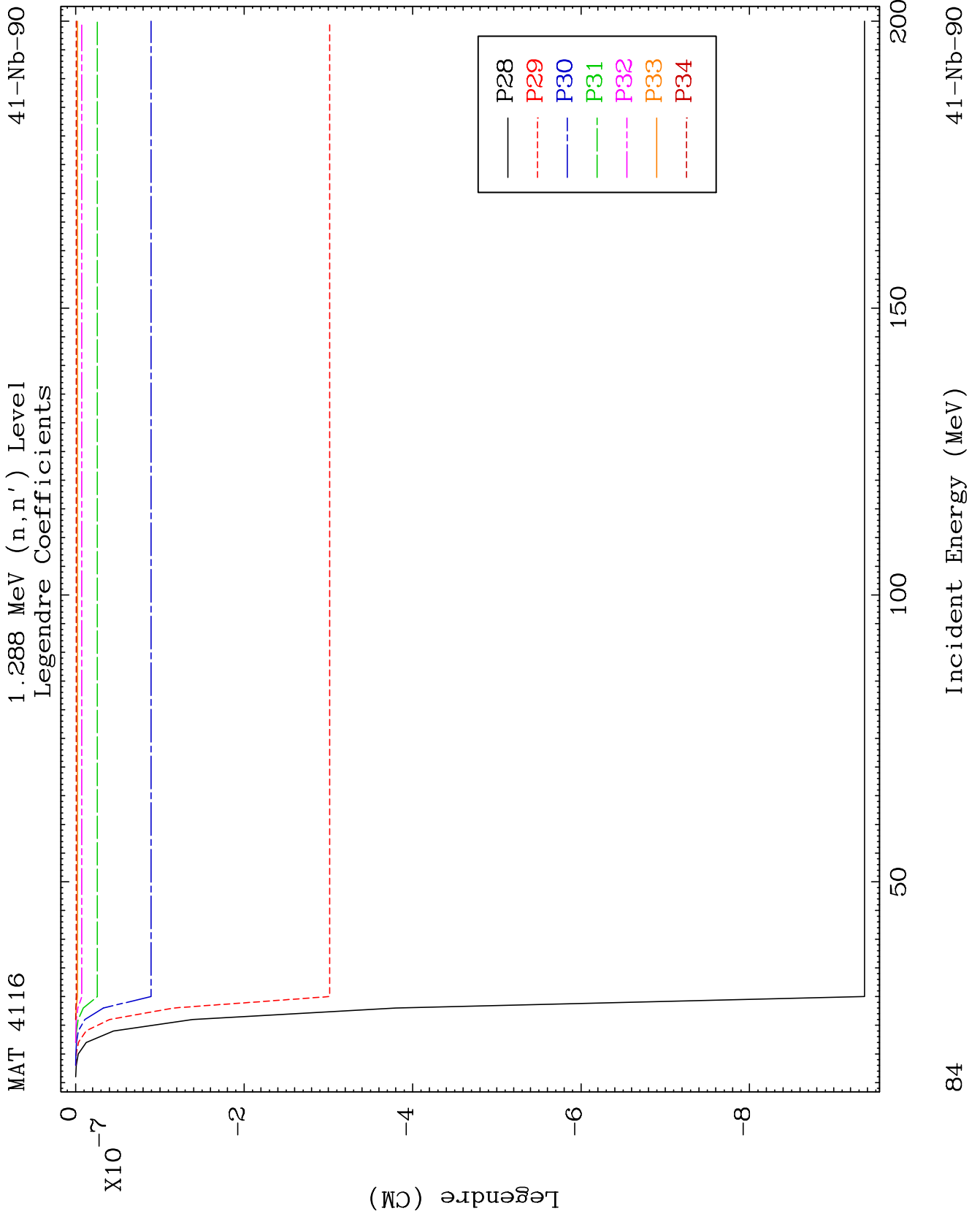


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Incident Energy (MeV)

41-Nb-90

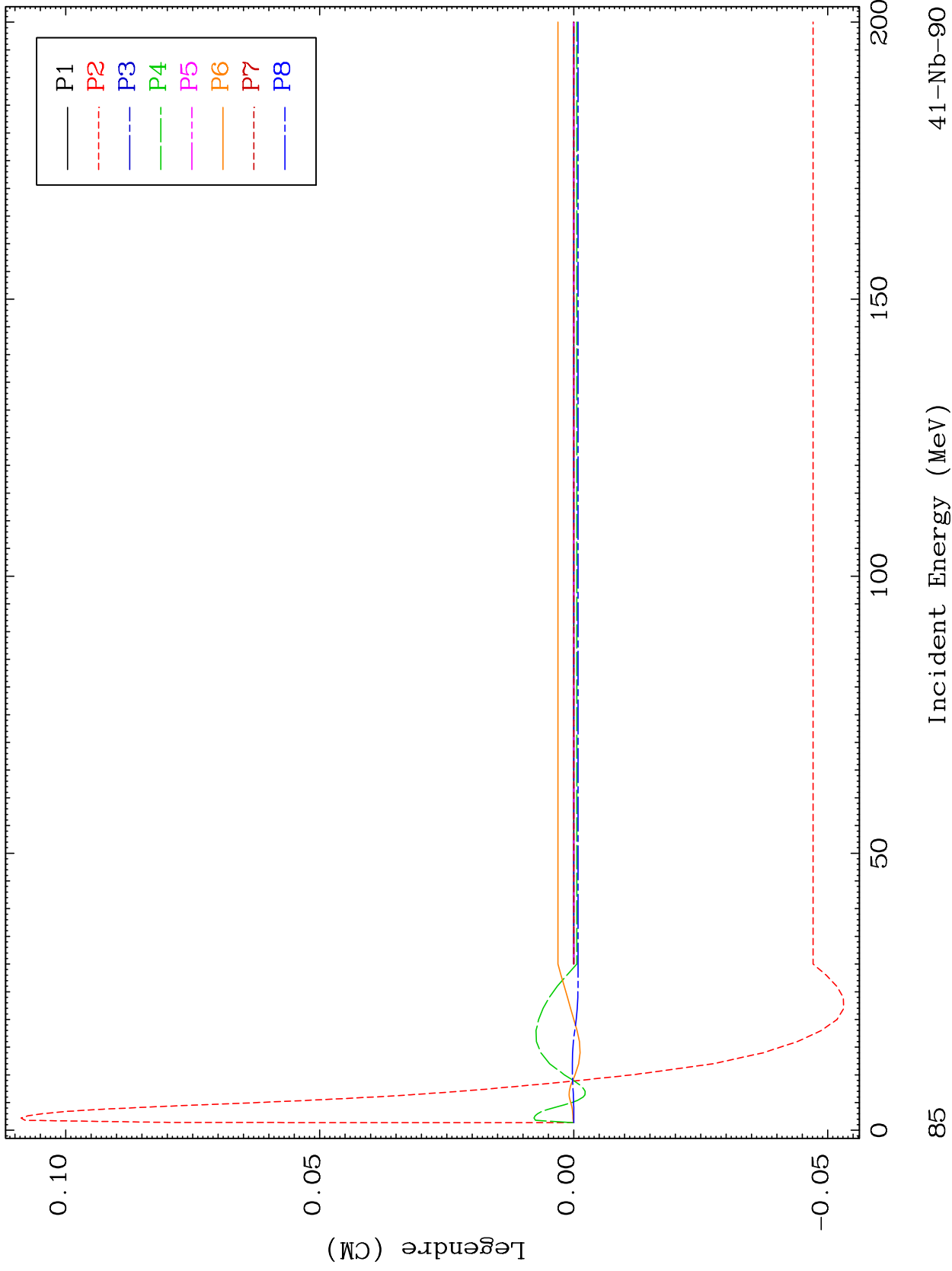


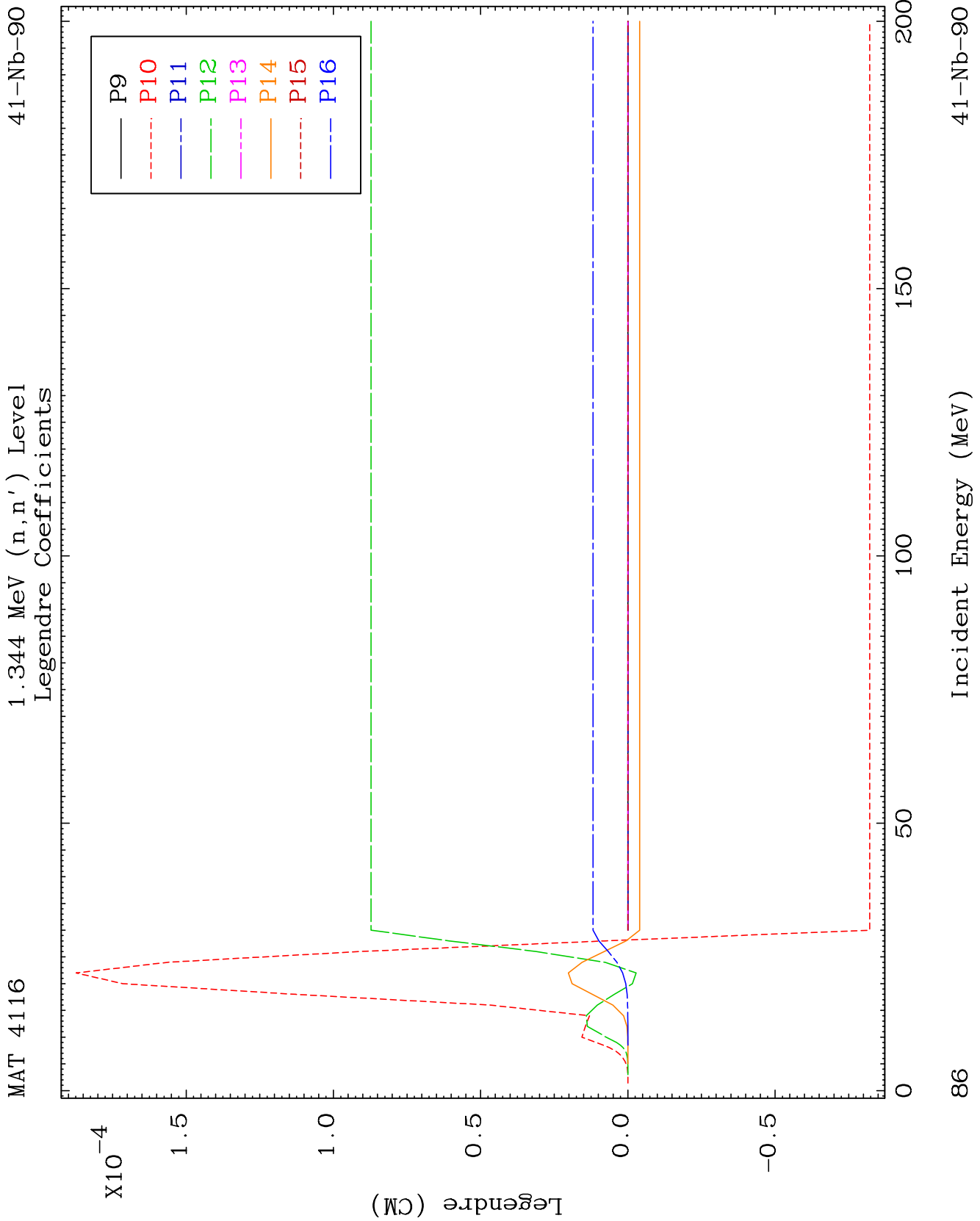


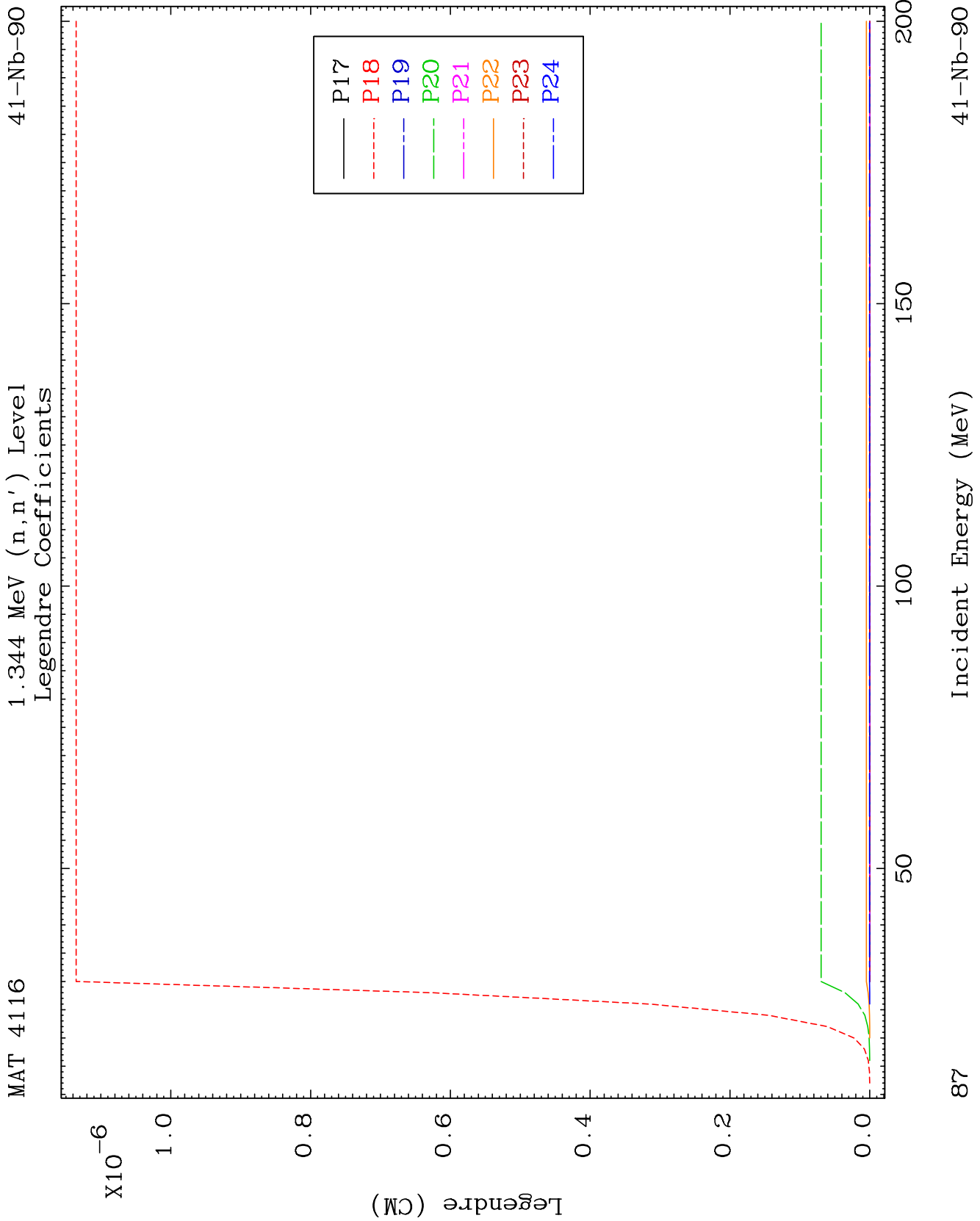
MAT 4116

1.344 MeV (n,n') Level
Legendre Coefficients

41-Nb-90



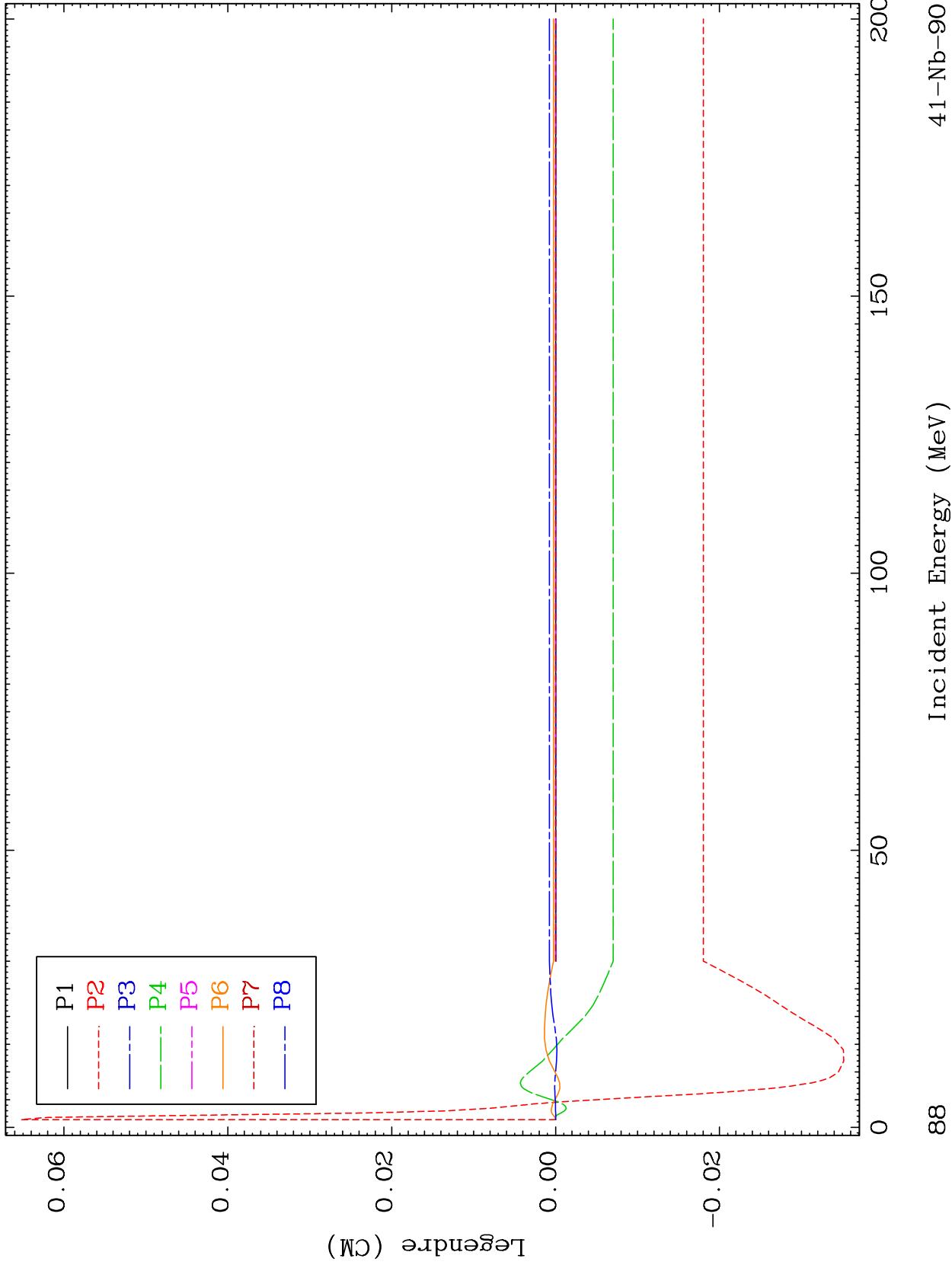




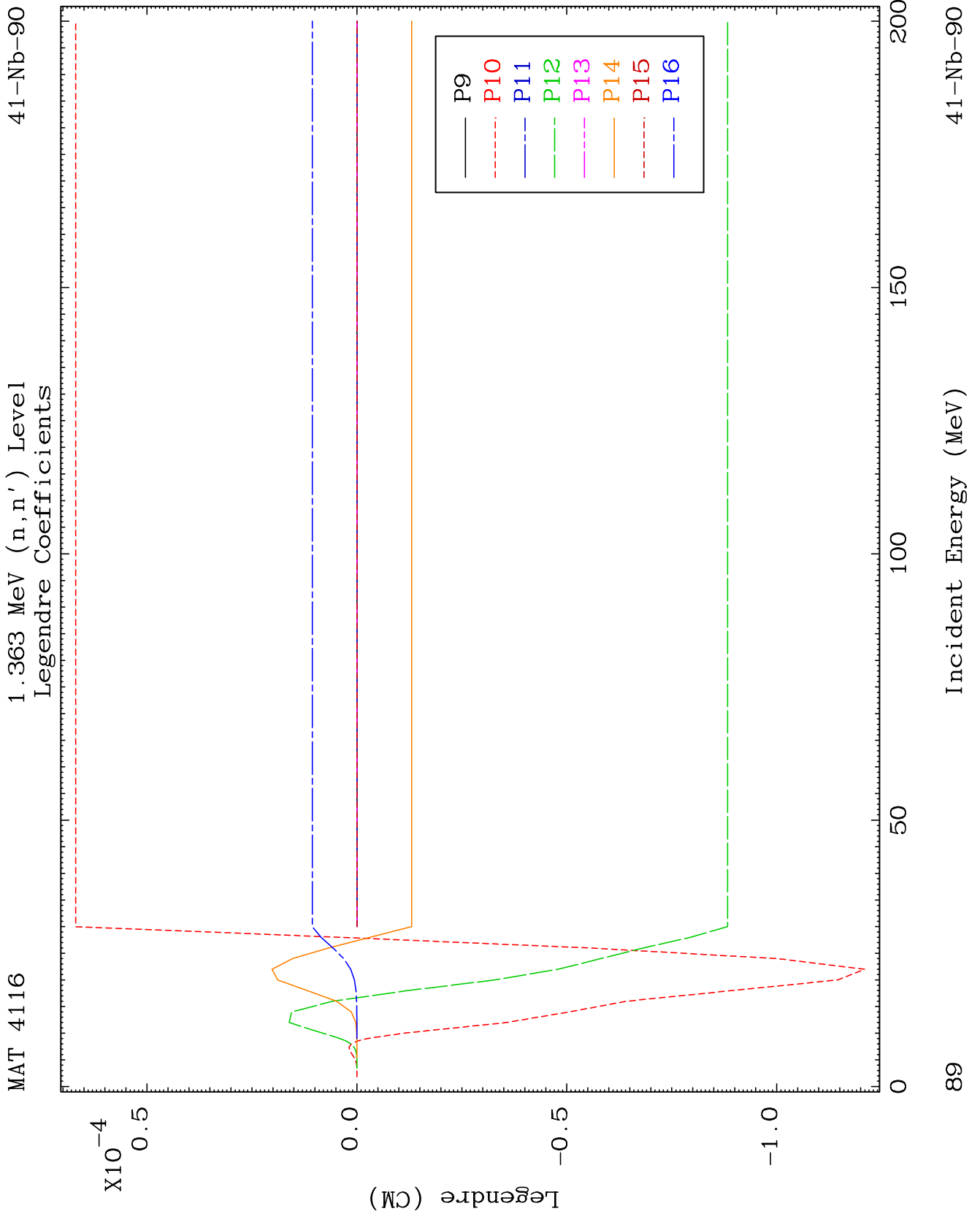
MAT 4116

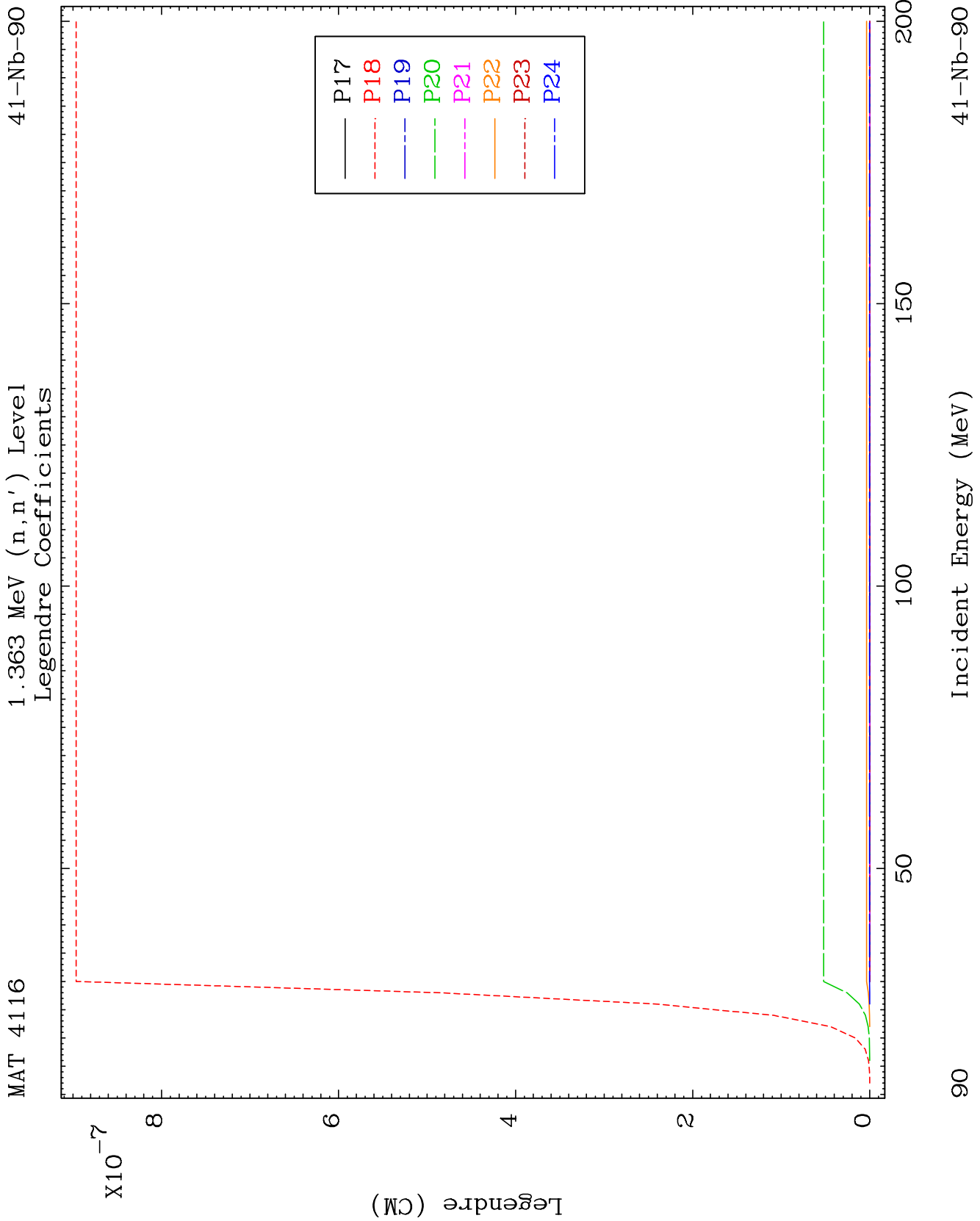
1.363 MeV (n,n') Level
Legendre Coefficients

41-Nb-90



88

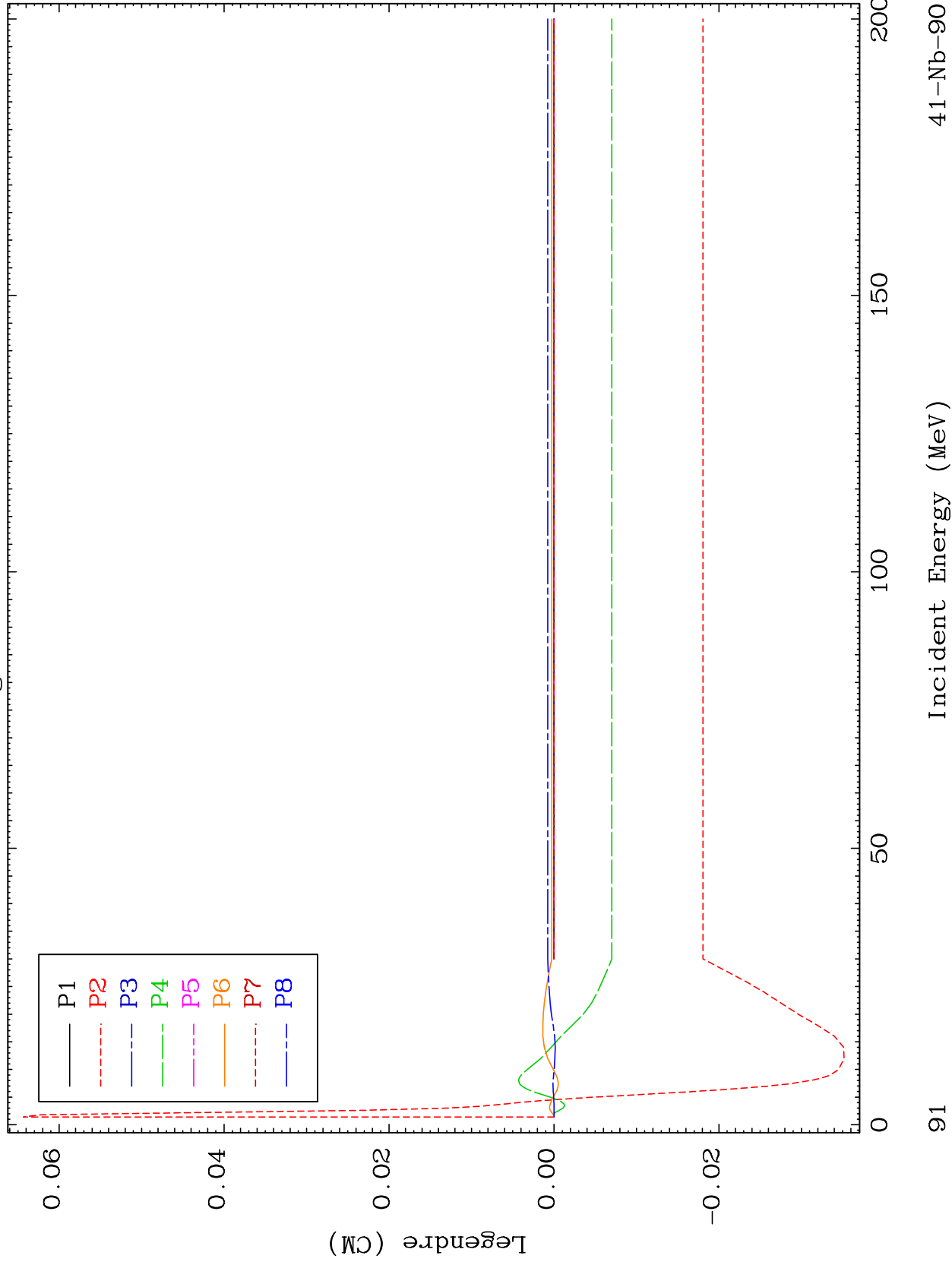


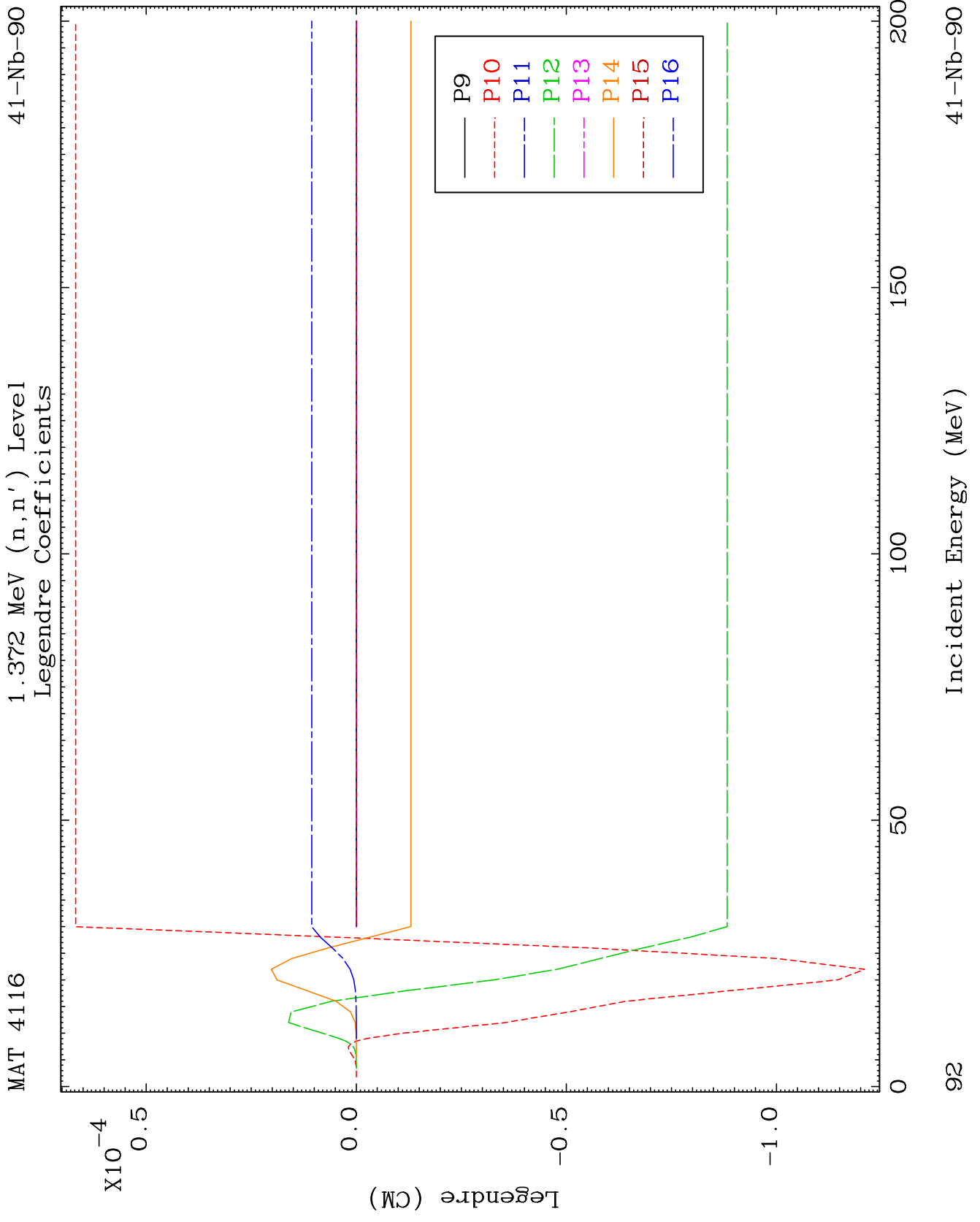


MAT 4116

1.372 MeV (n,n') Level
Legendre Coefficients

41-Nb-90

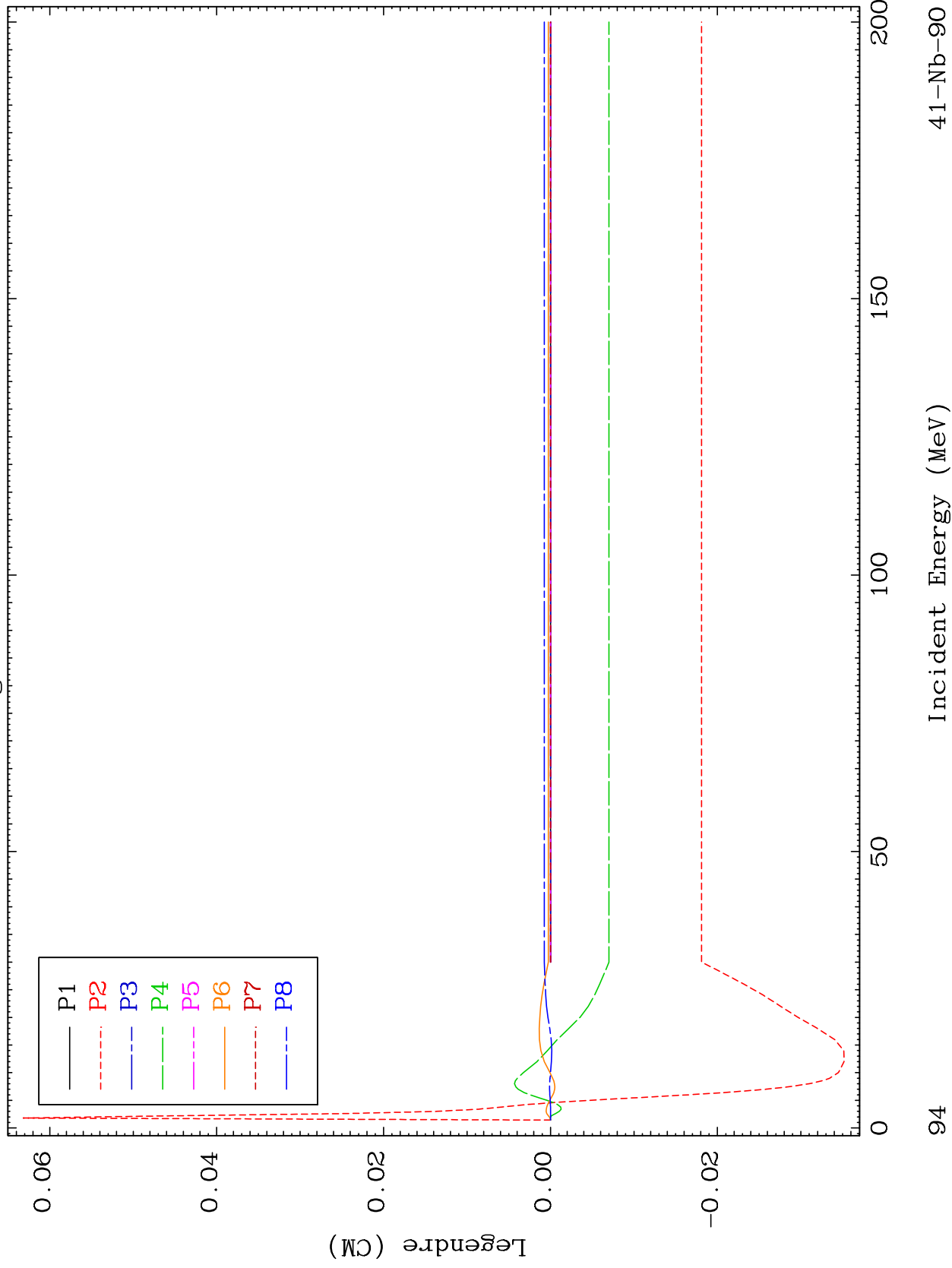




MAT 4116

1.414 MeV (n,n') Level
Legendre Coefficients

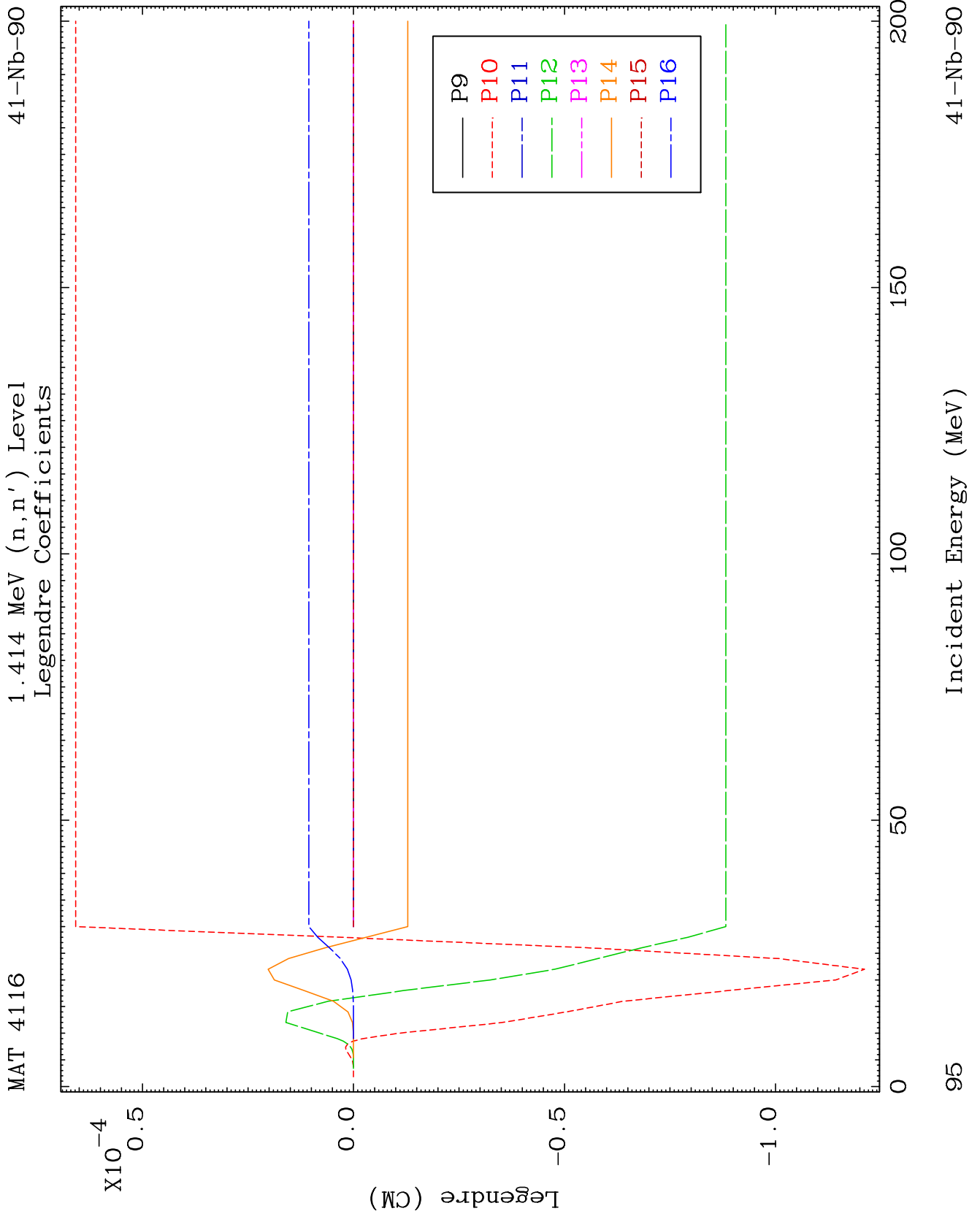
41-Nb-90

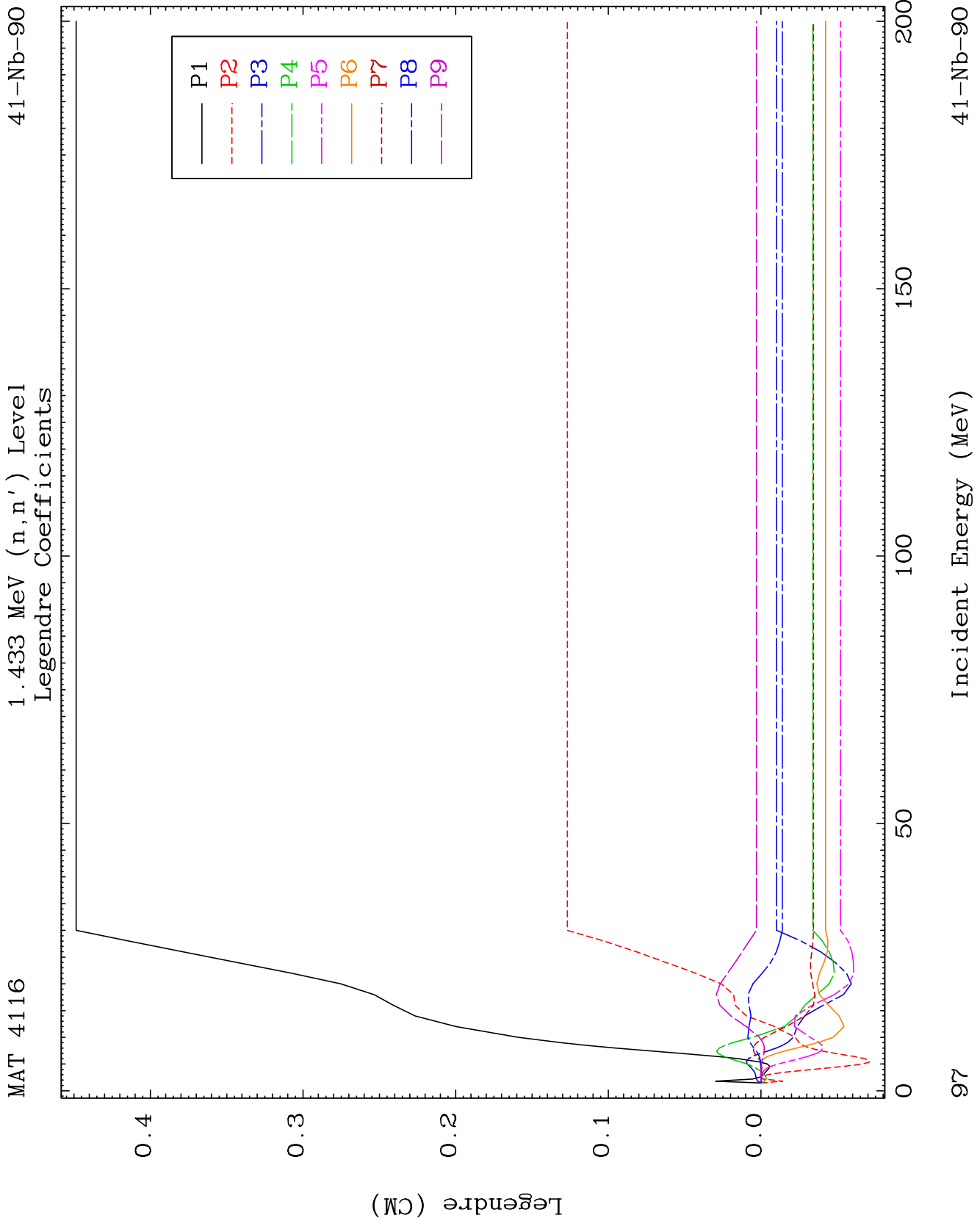


94

Incident Energy (MeV)

41-Nb-90

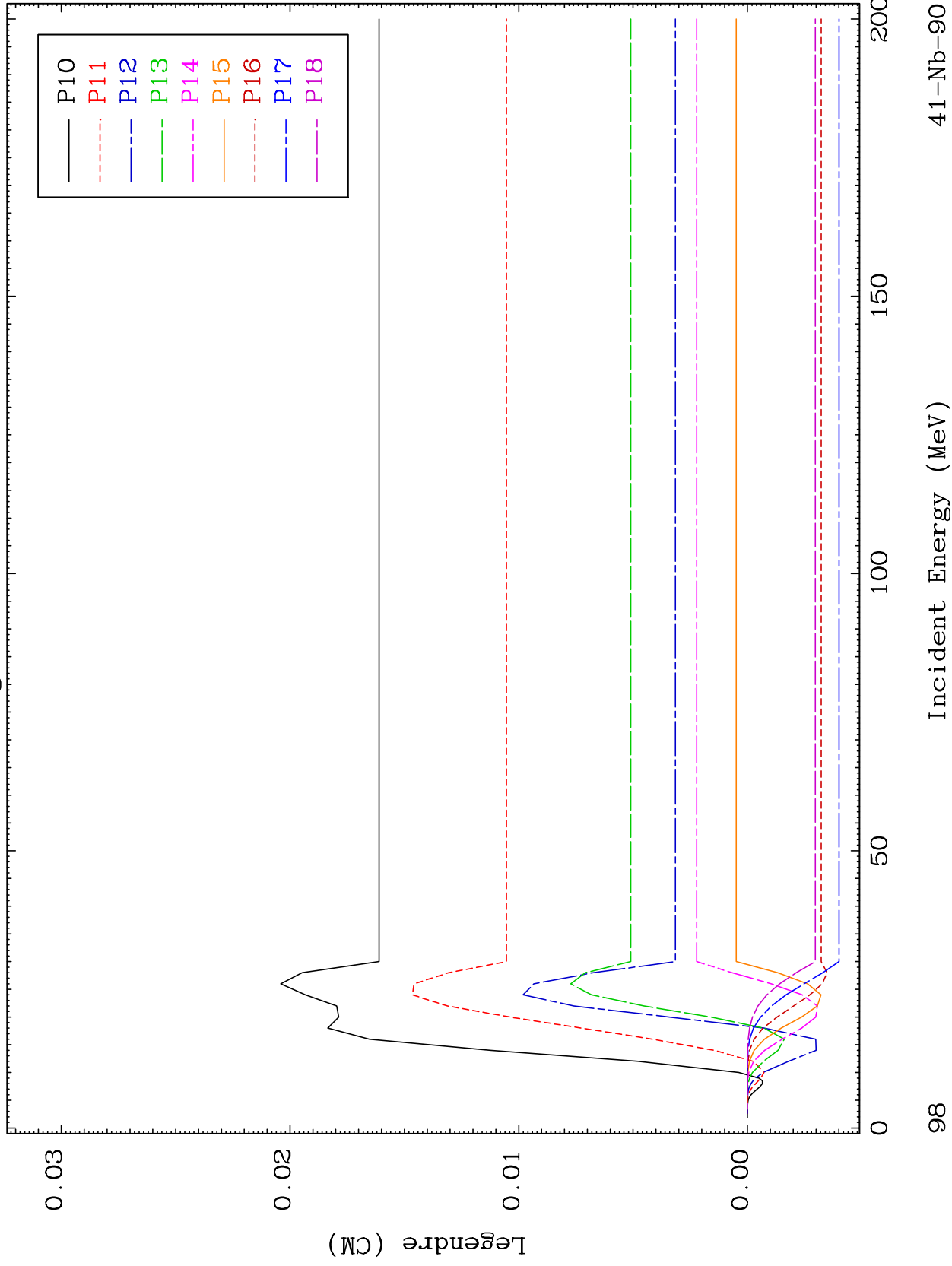


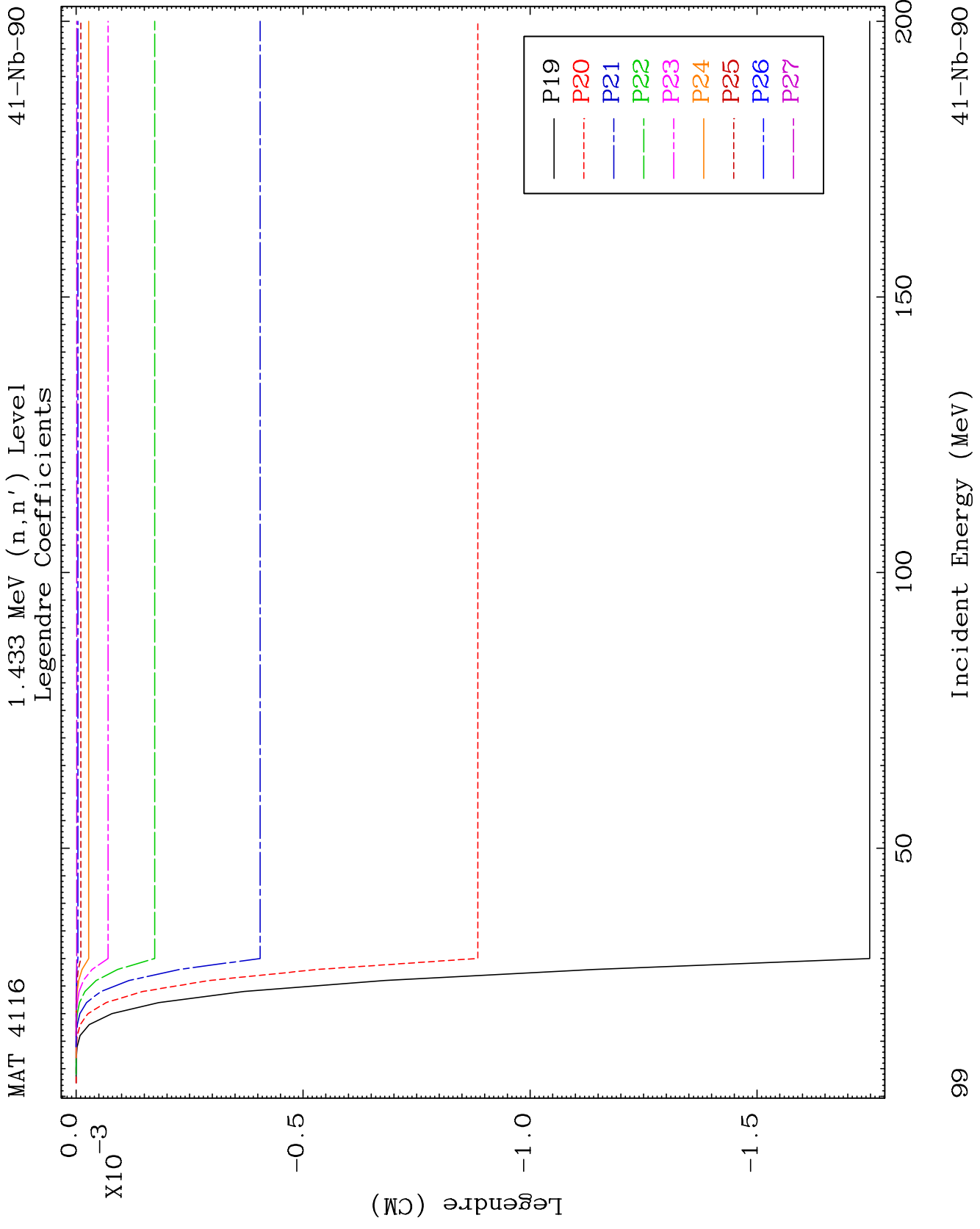


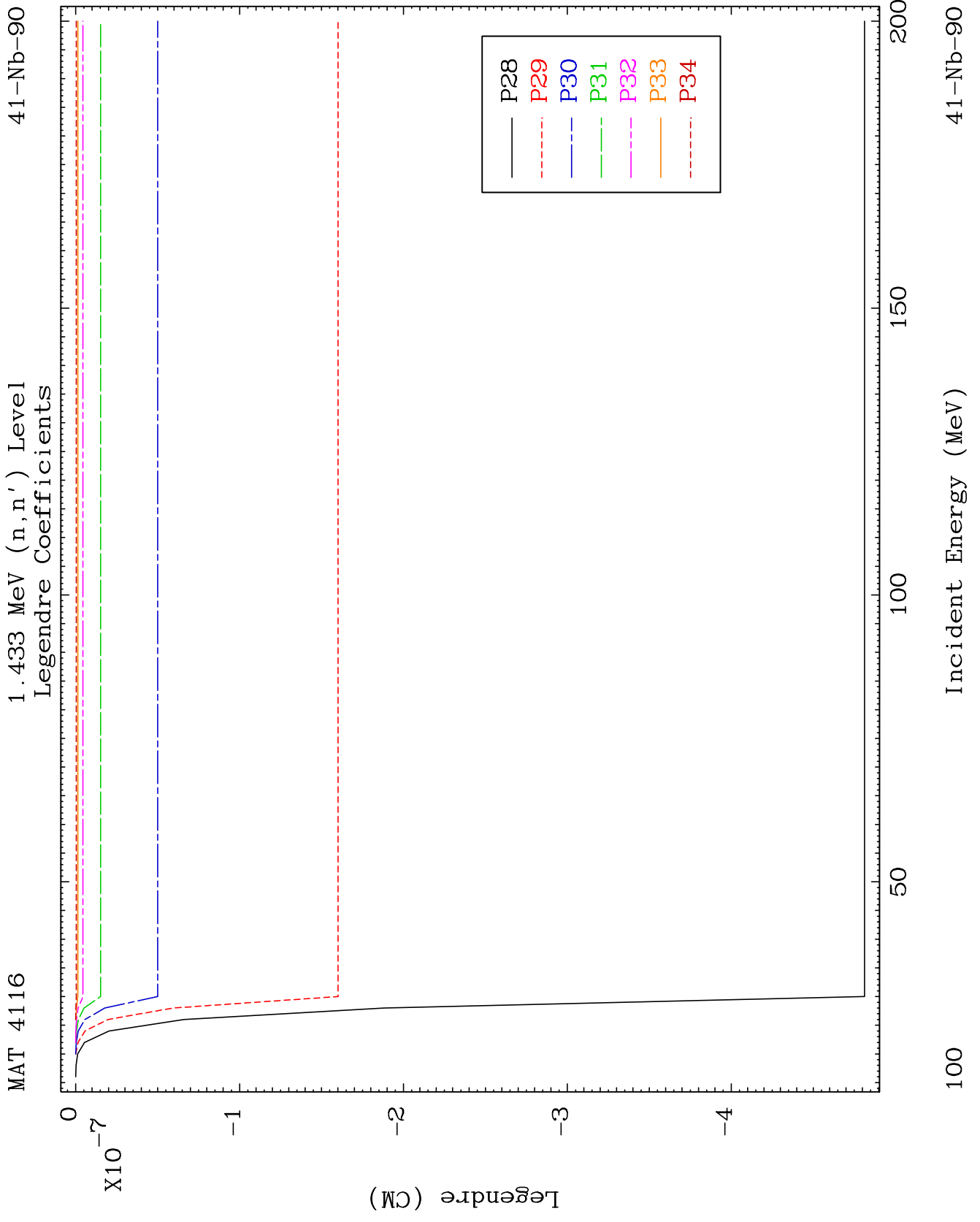
MAT 4116

1.433 MeV (n,n') Level
Legendre Coefficients

41-Nb-90



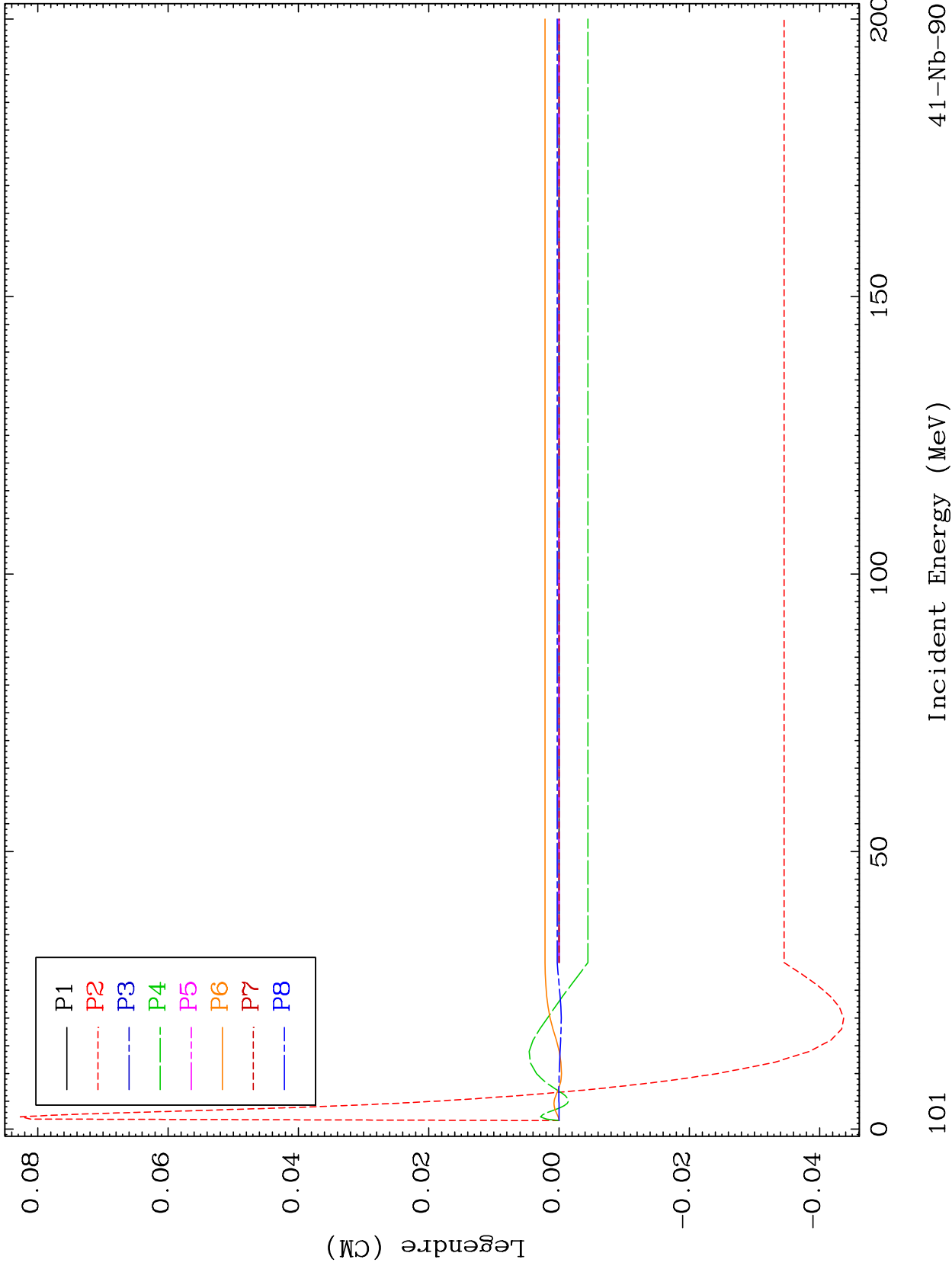




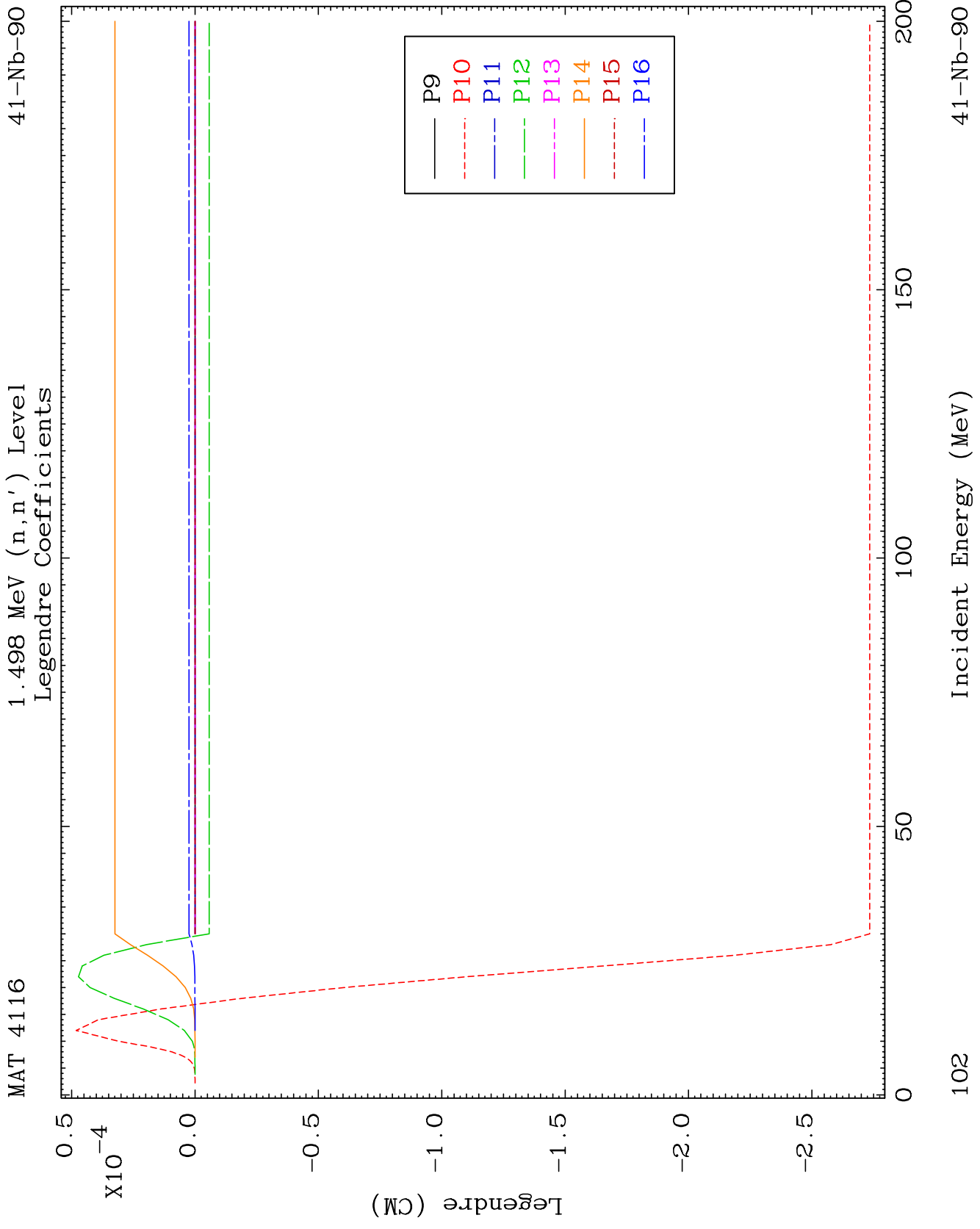
MAT 4116

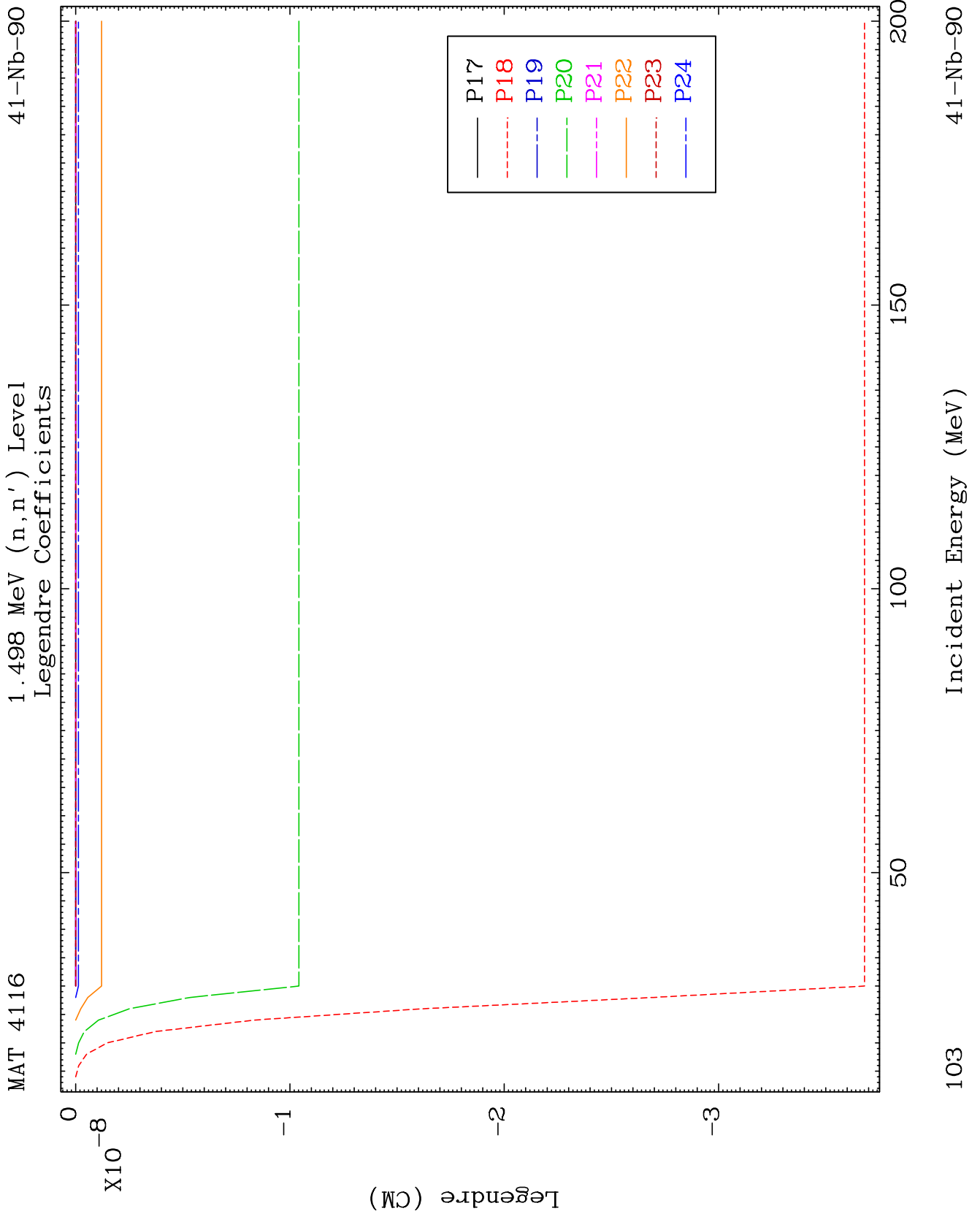
1.498 MeV (n,n') Level
Legendre Coefficients

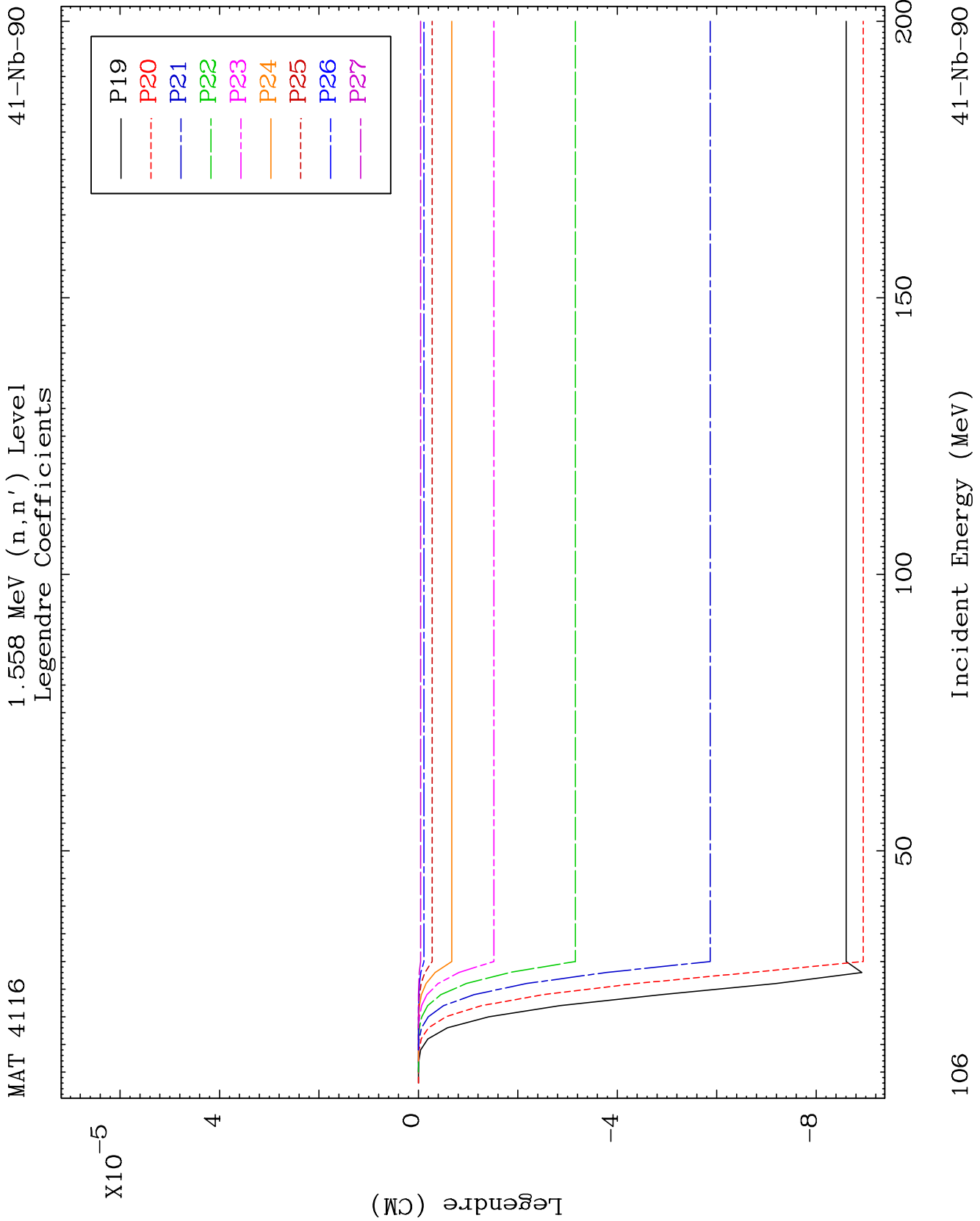
41-Nb-90

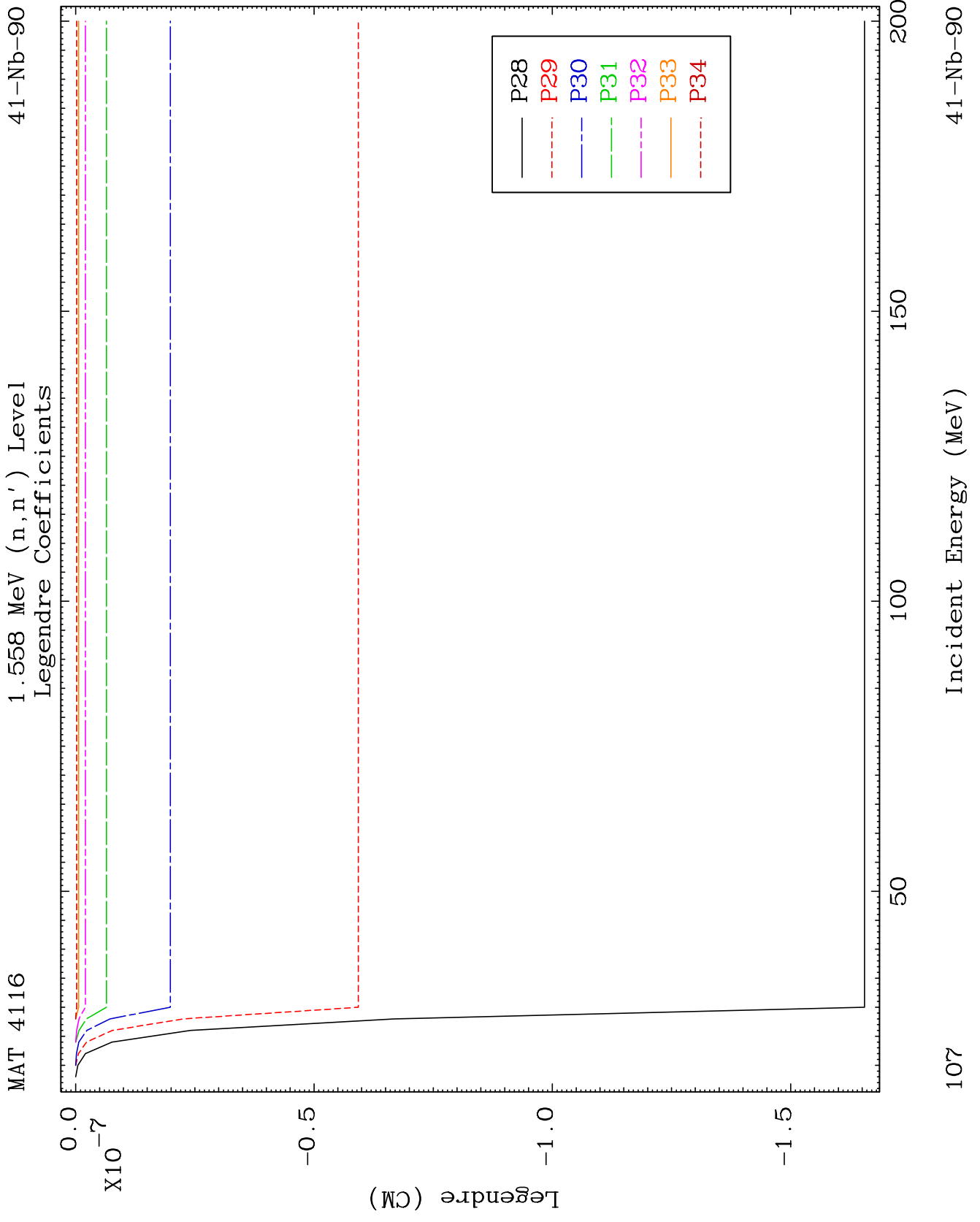


101





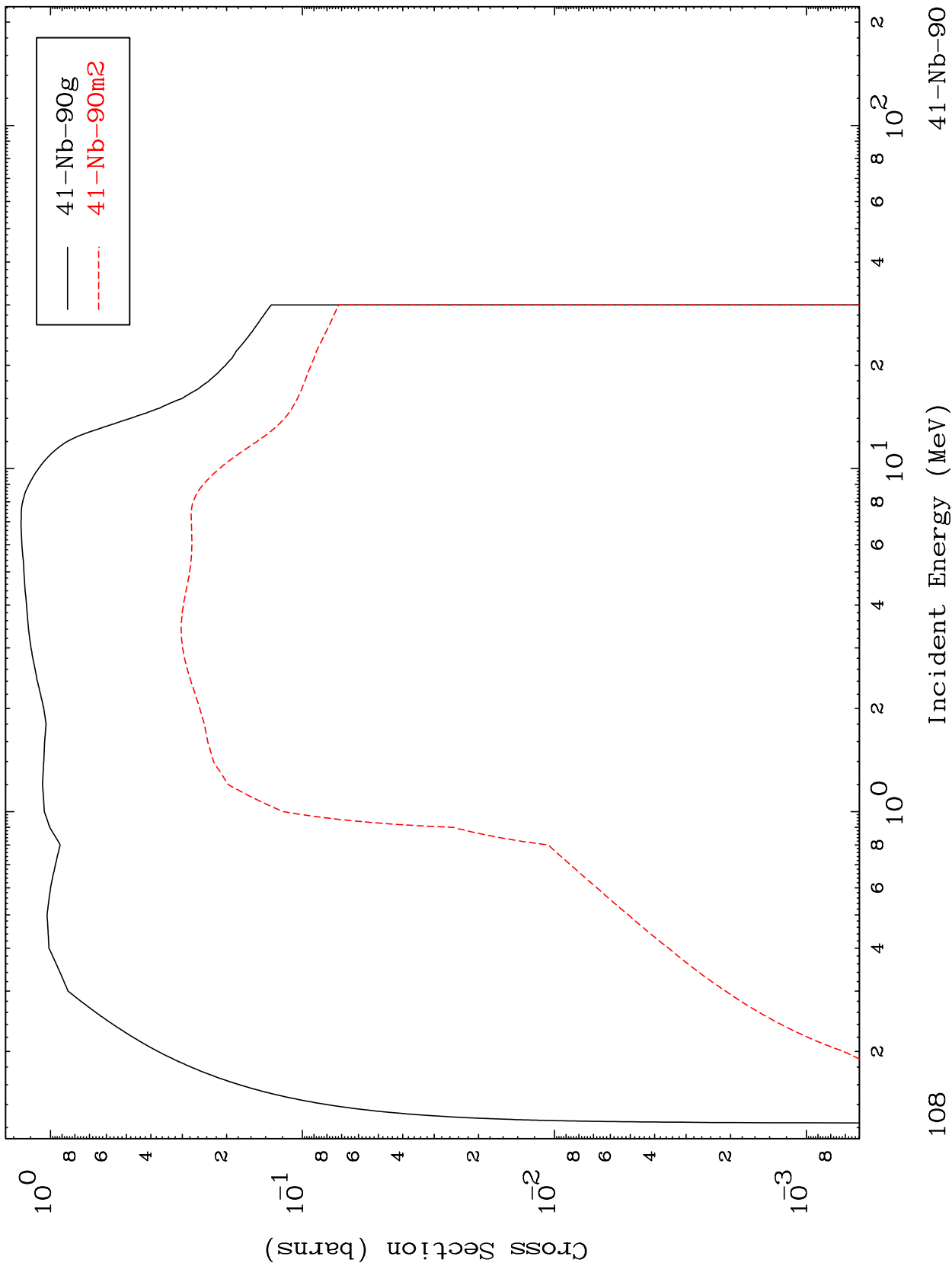




MAT 4116

41-Nb-90

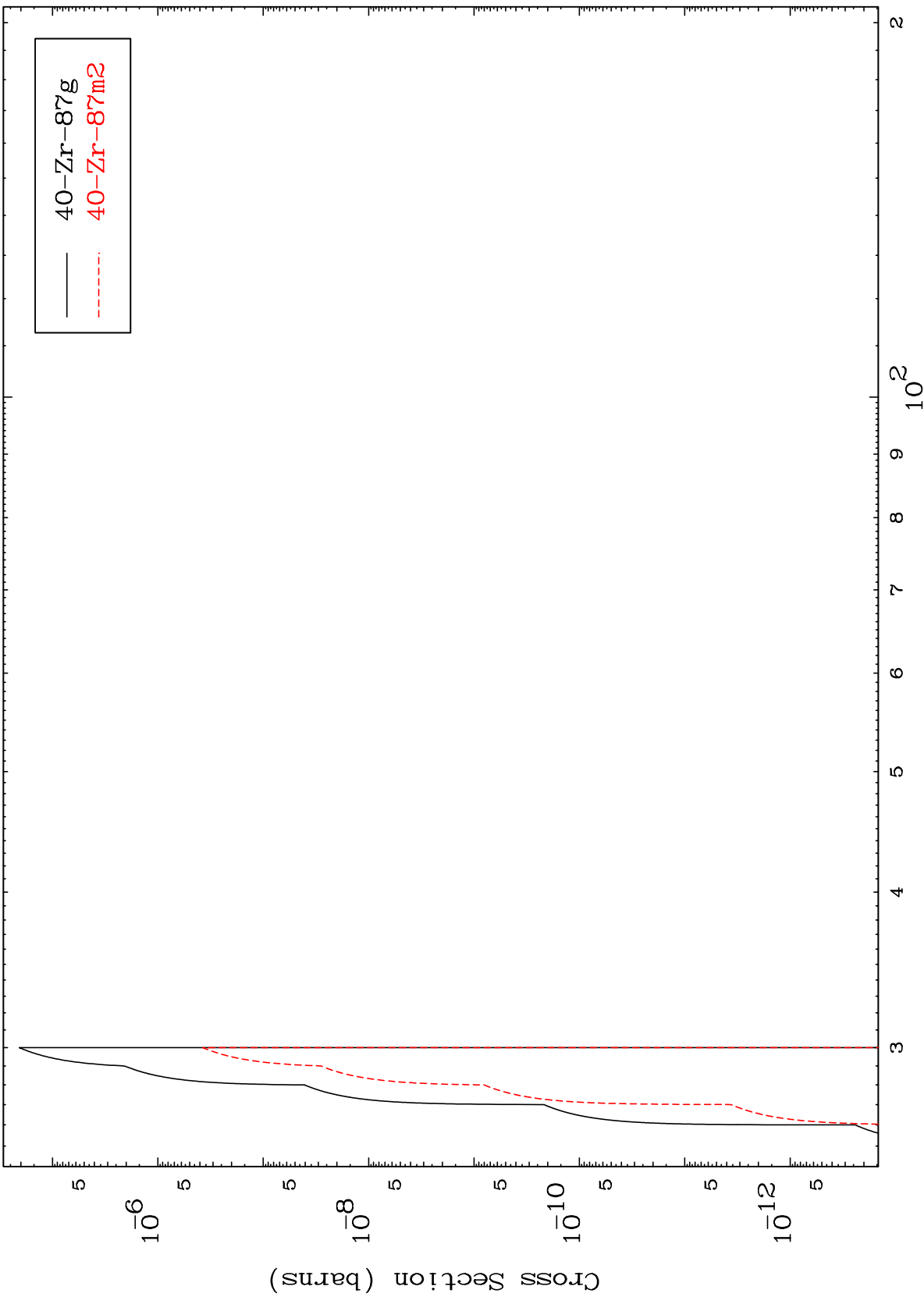
Inelastic
Radionuclide Production Cross Section



108

41-Nb-90

Radionuclide Production Cross Section

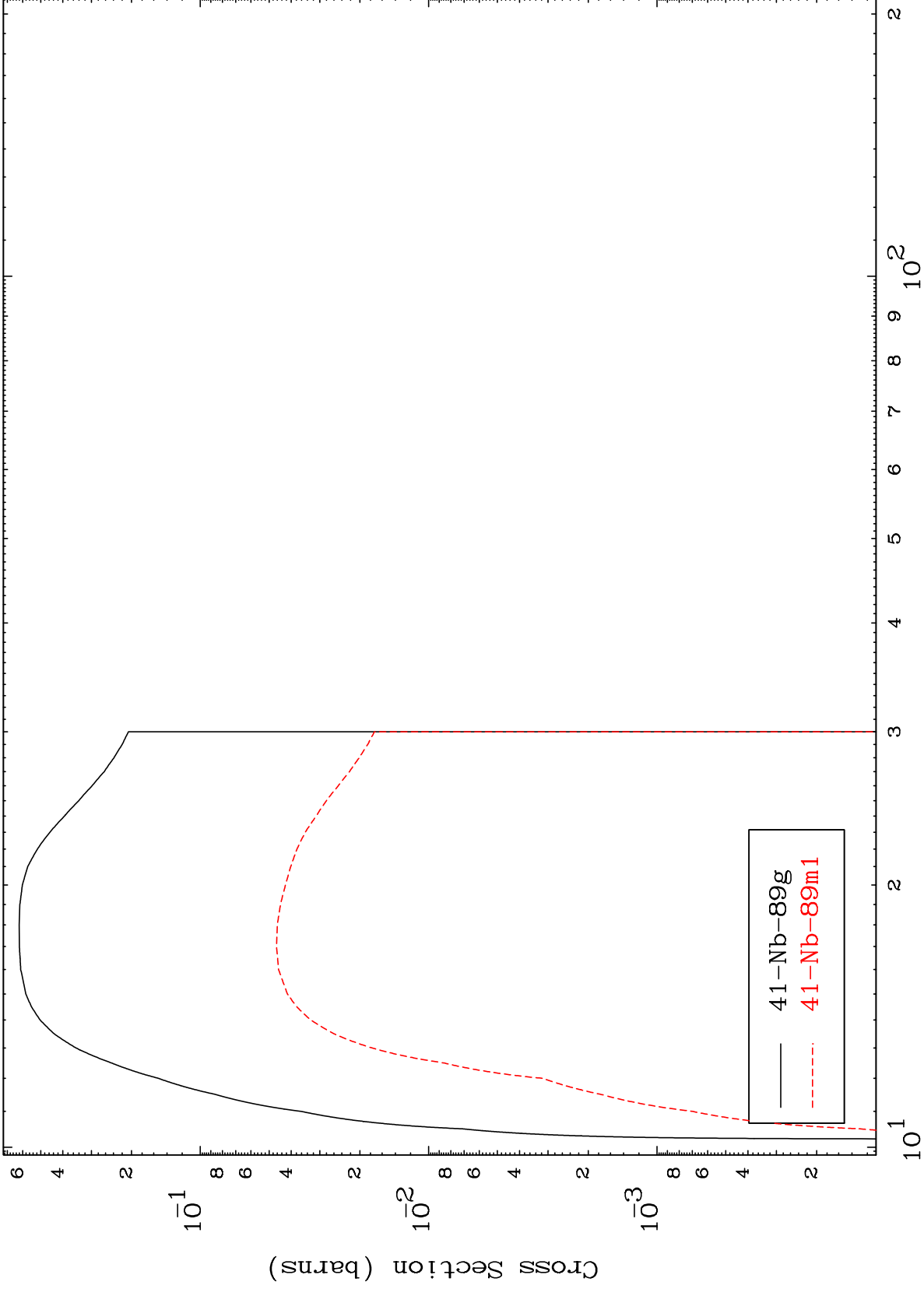


MAT 4116

(n,2n)

41-Nb-90

Radionuclide Production Cross Section



41-Nb-90

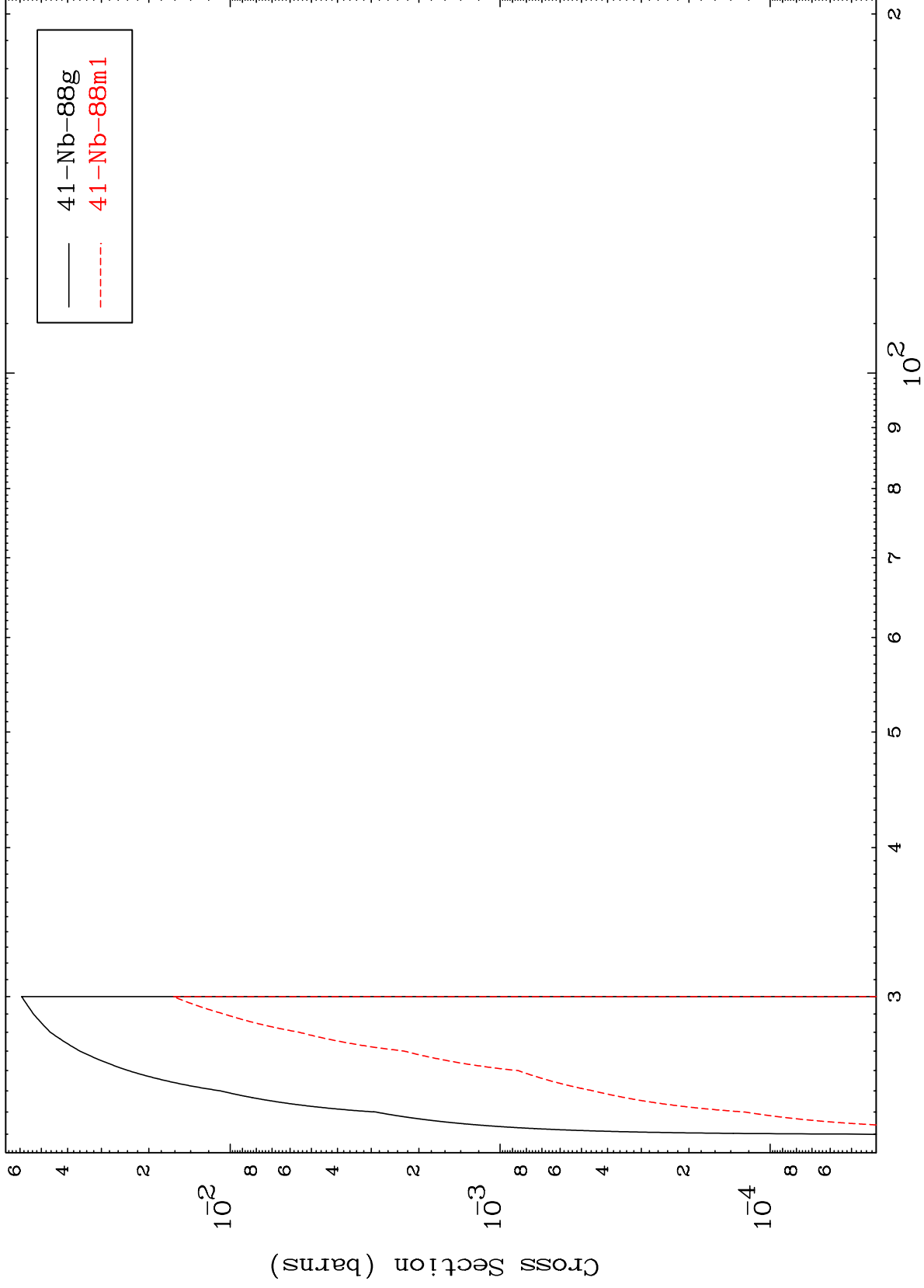
41-Nb-90

MAT 4116

(n,3n)

41-Nb-90

Radionuclide Production Cross Section



111

Incident Energy (MeV)

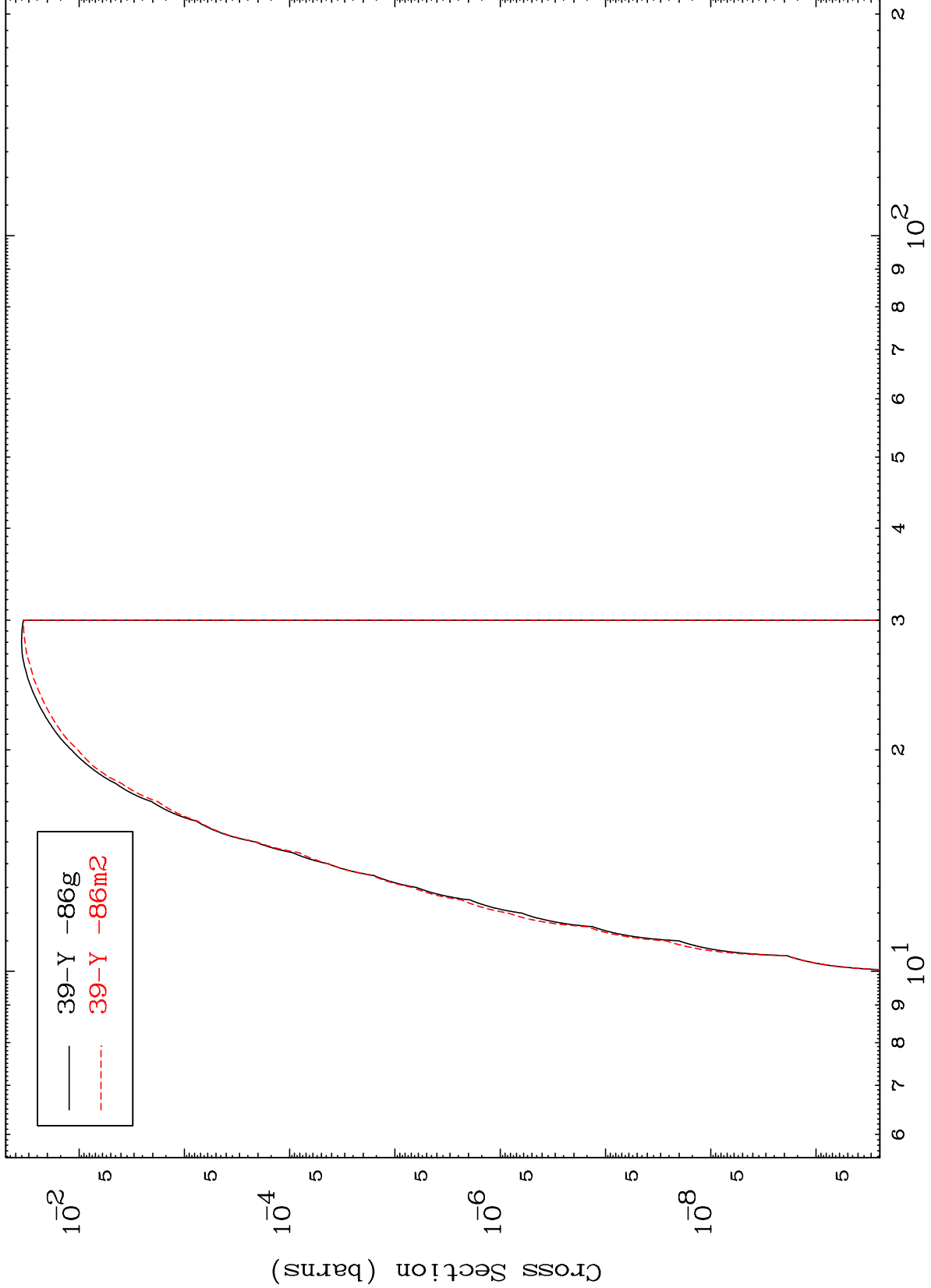
41-Nb-90

MAT 4116

$(n, n') \alpha$

41-Nb-90

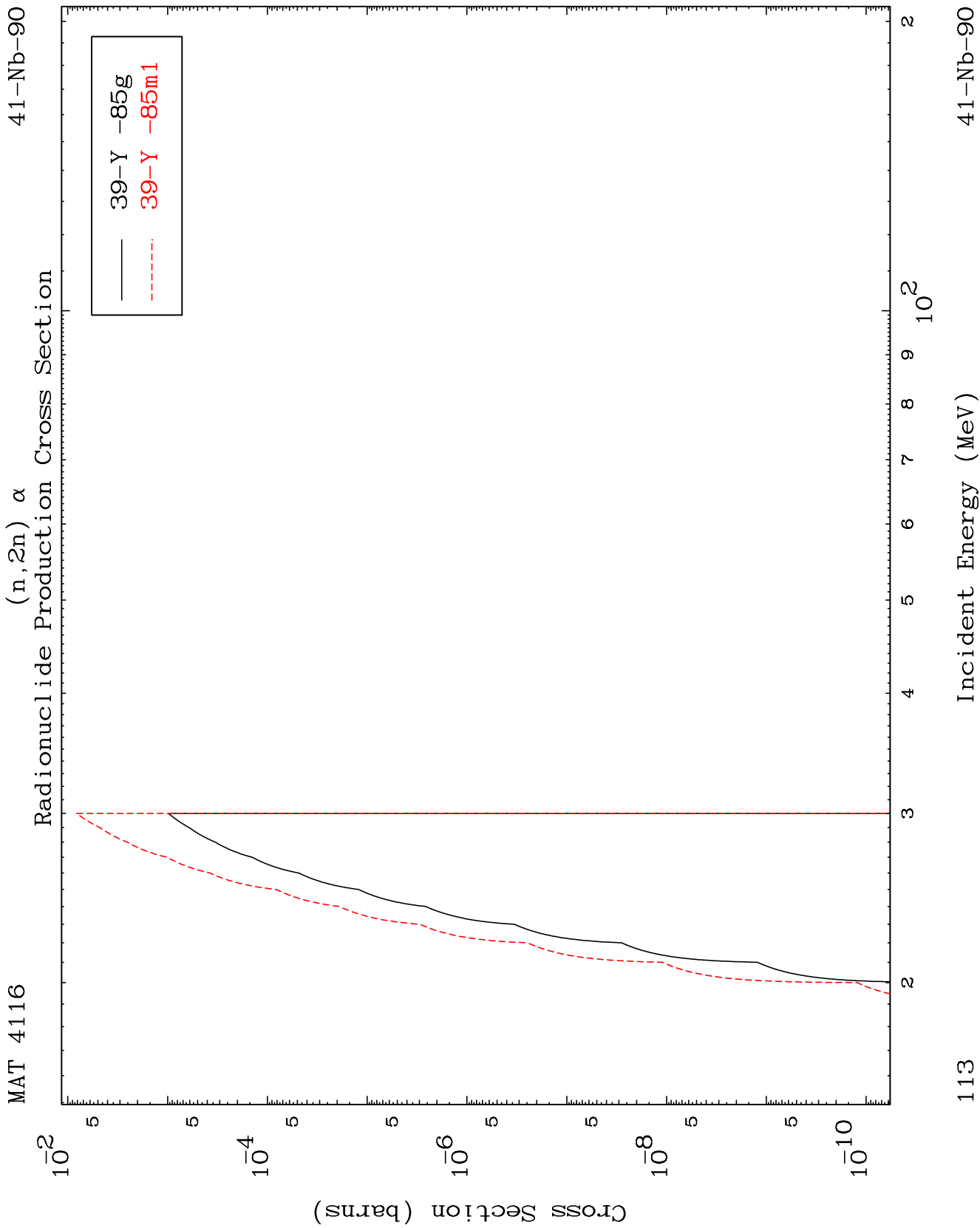
Radionuclide Production Cross Section



112

Incident Energy (MeV)

41-Nb-90

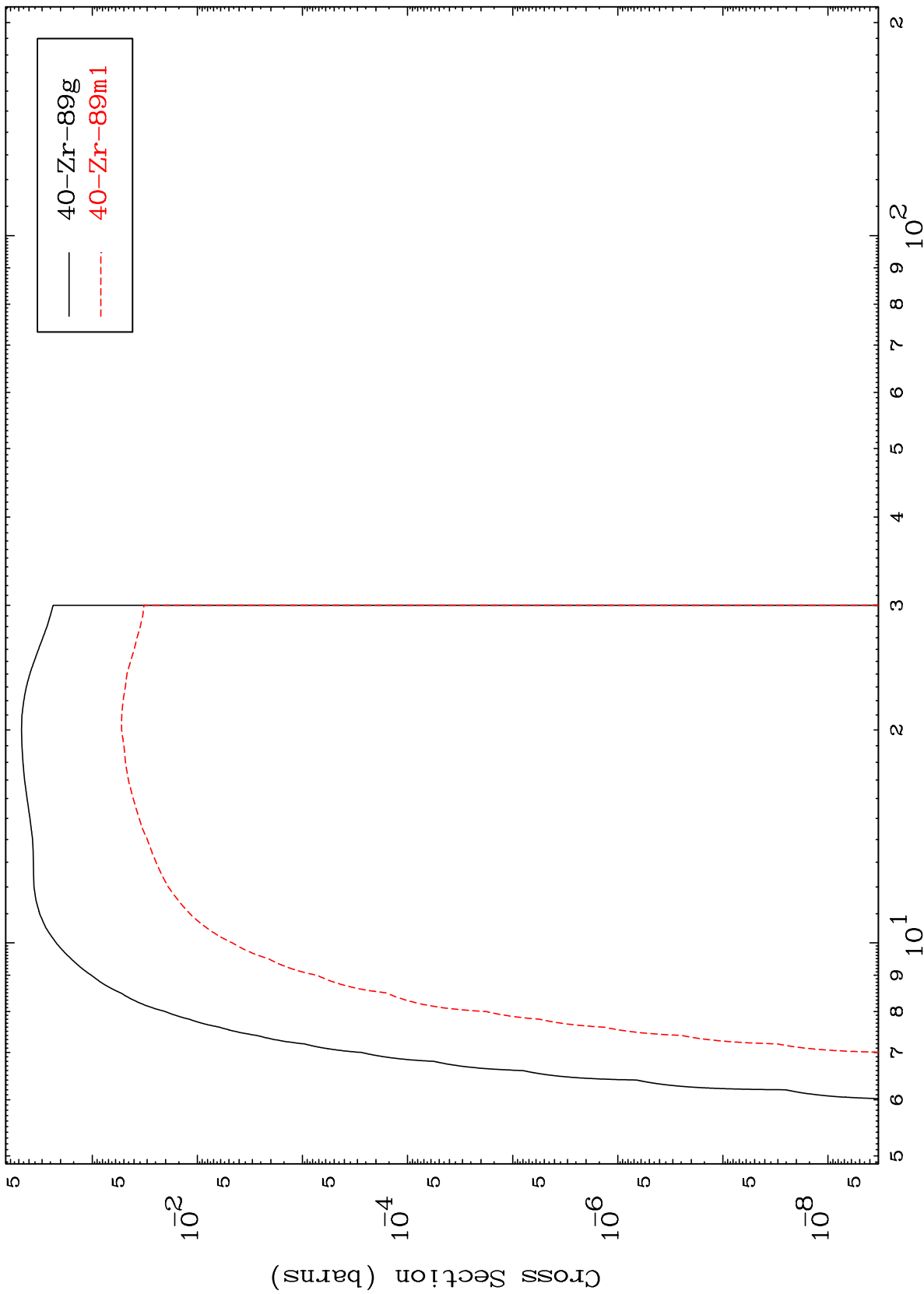


MAT 4116

(n,n') p

41-Nb-90

Radionuclide Production Cross Section

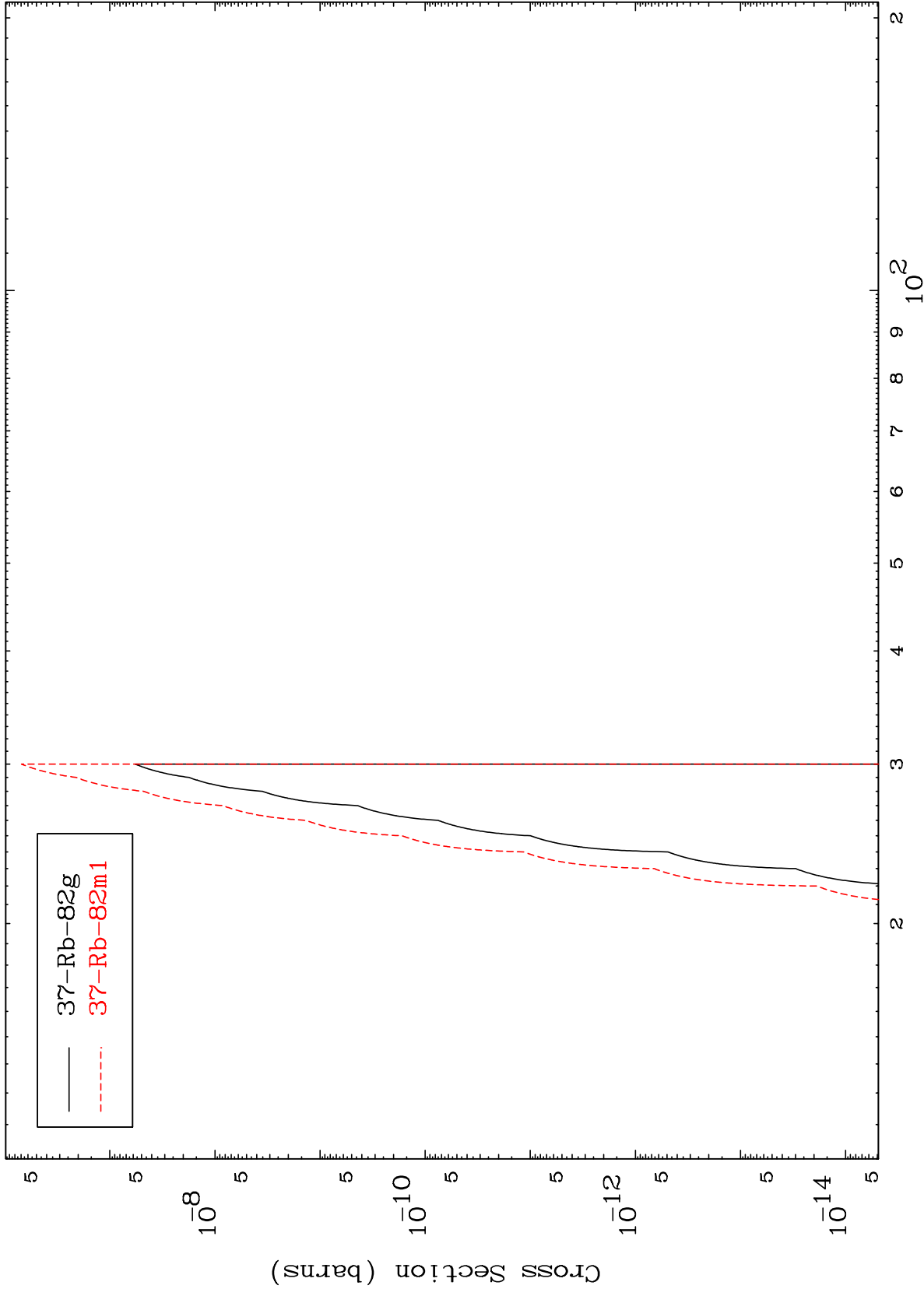


114

Incident Energy (MeV)

41-Nb-90

Radionuclide Production Cross Section

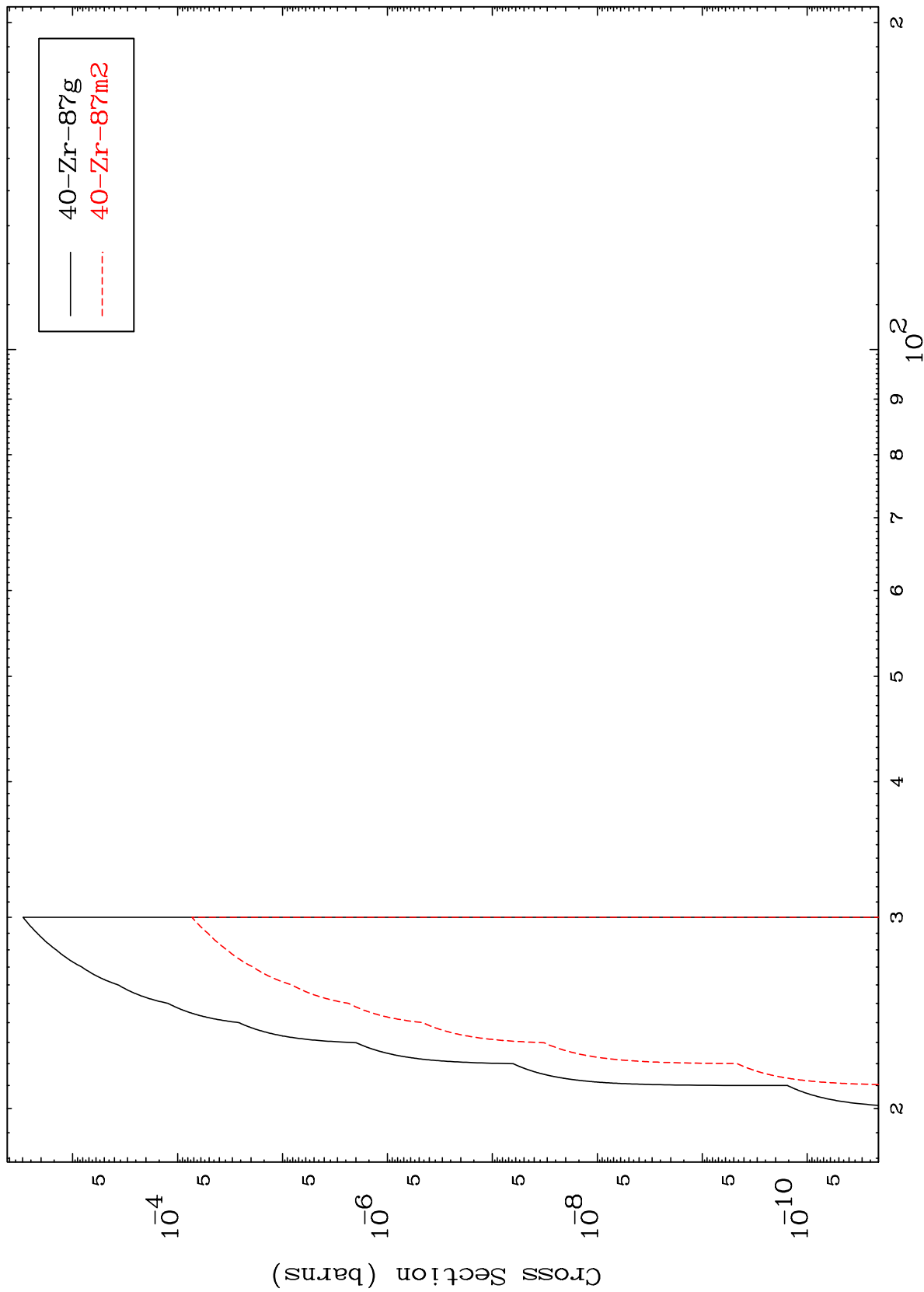


MAT 4116

(n,n') t

41-Nb-90

Radionuclide Production Cross Section



116

Incident Energy (MeV)

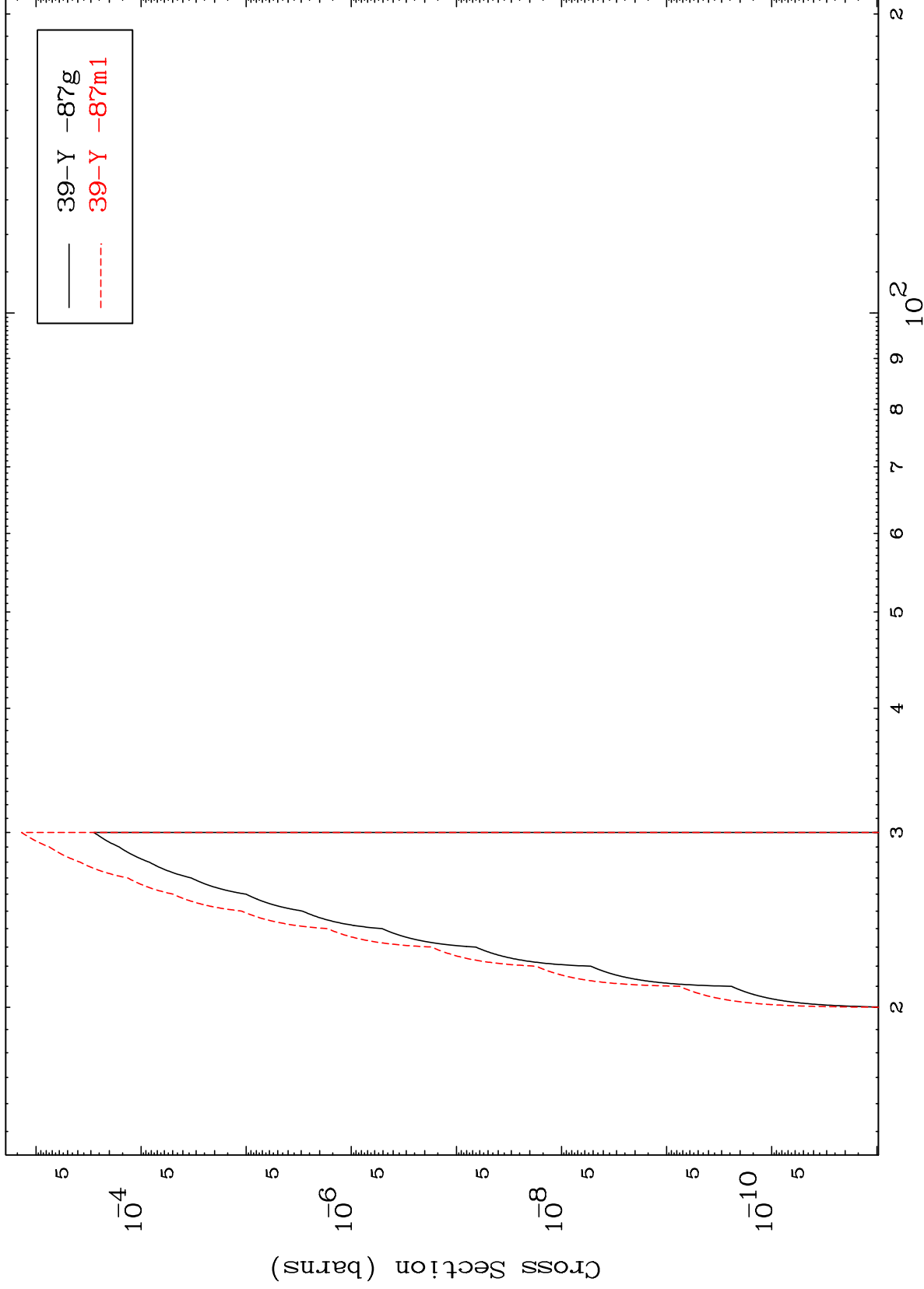
41-Nb-90

MAT 4116

(n,n') He-3

41-Nb-90

Radionuclide Production Cross Section



117

Incident Energy (MeV)

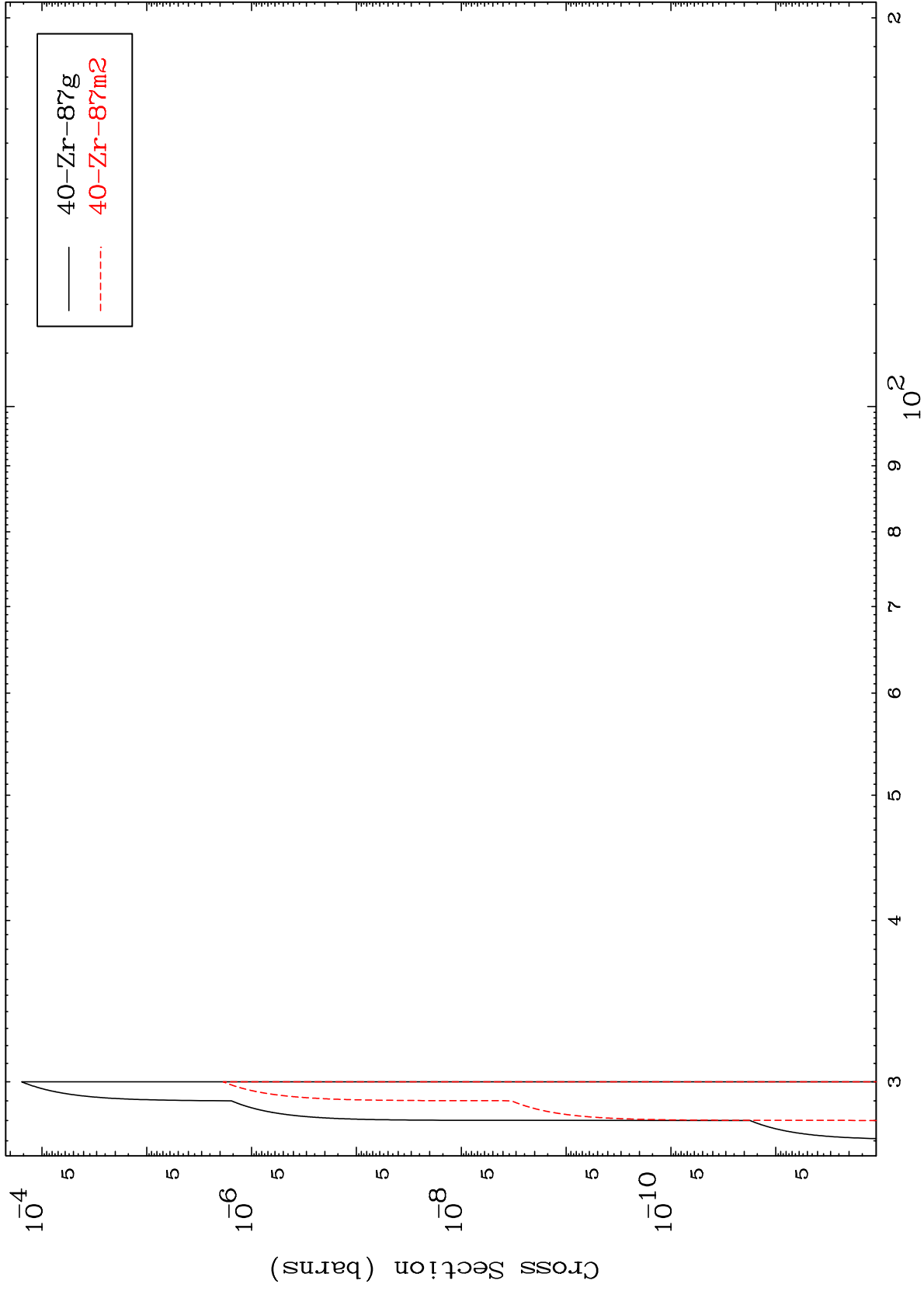
41-Nb-90

MAT 4116

(n,3n) p

41-Nb-90

Radionuclide Production Cross Section

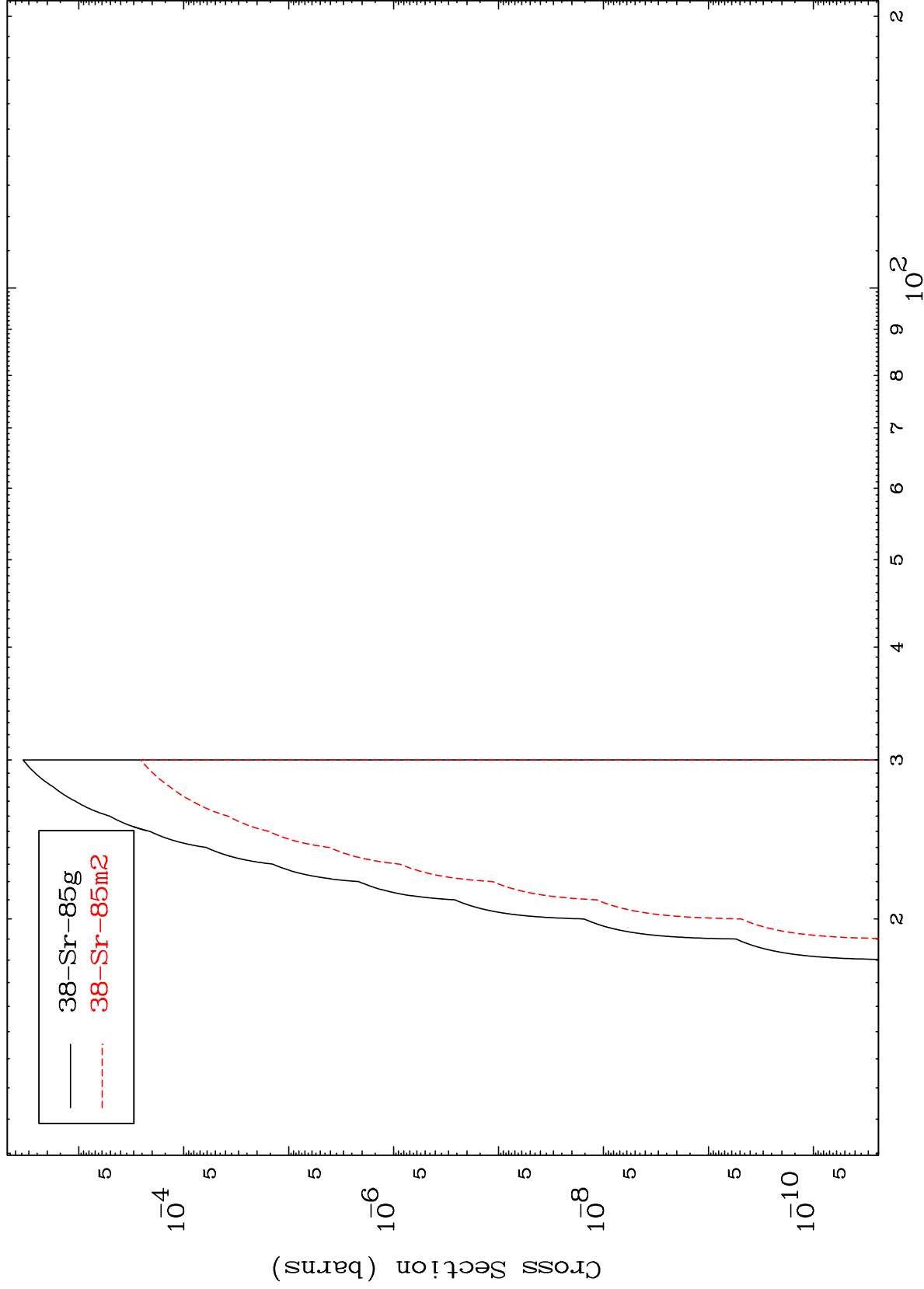


118

Incident Energy (MeV)

41-Nb-90

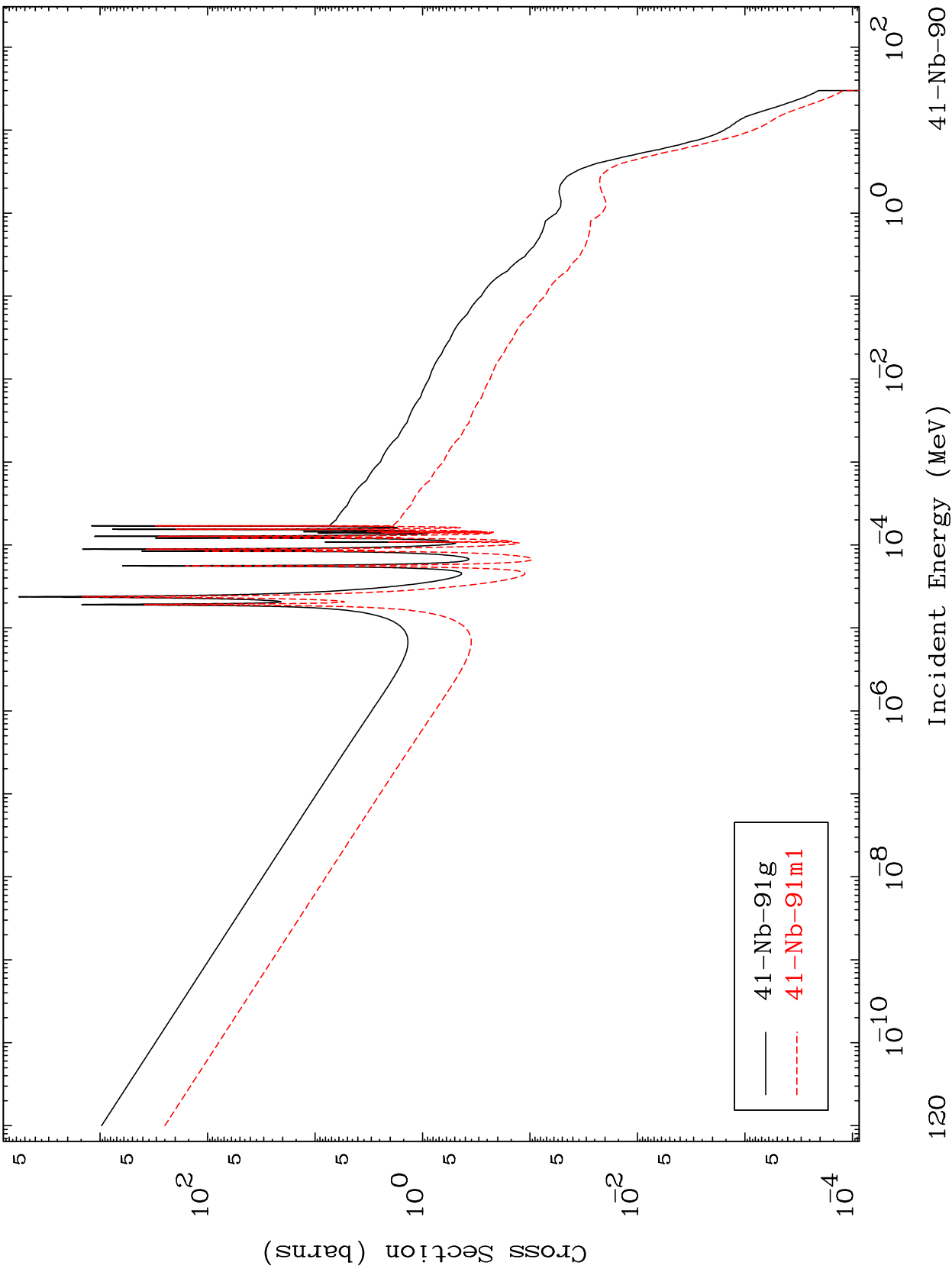
Radionuclide Production Cross Section



MAT 4116

41-Nb-90

(n, γ)
Radionuclide Production Cross Section



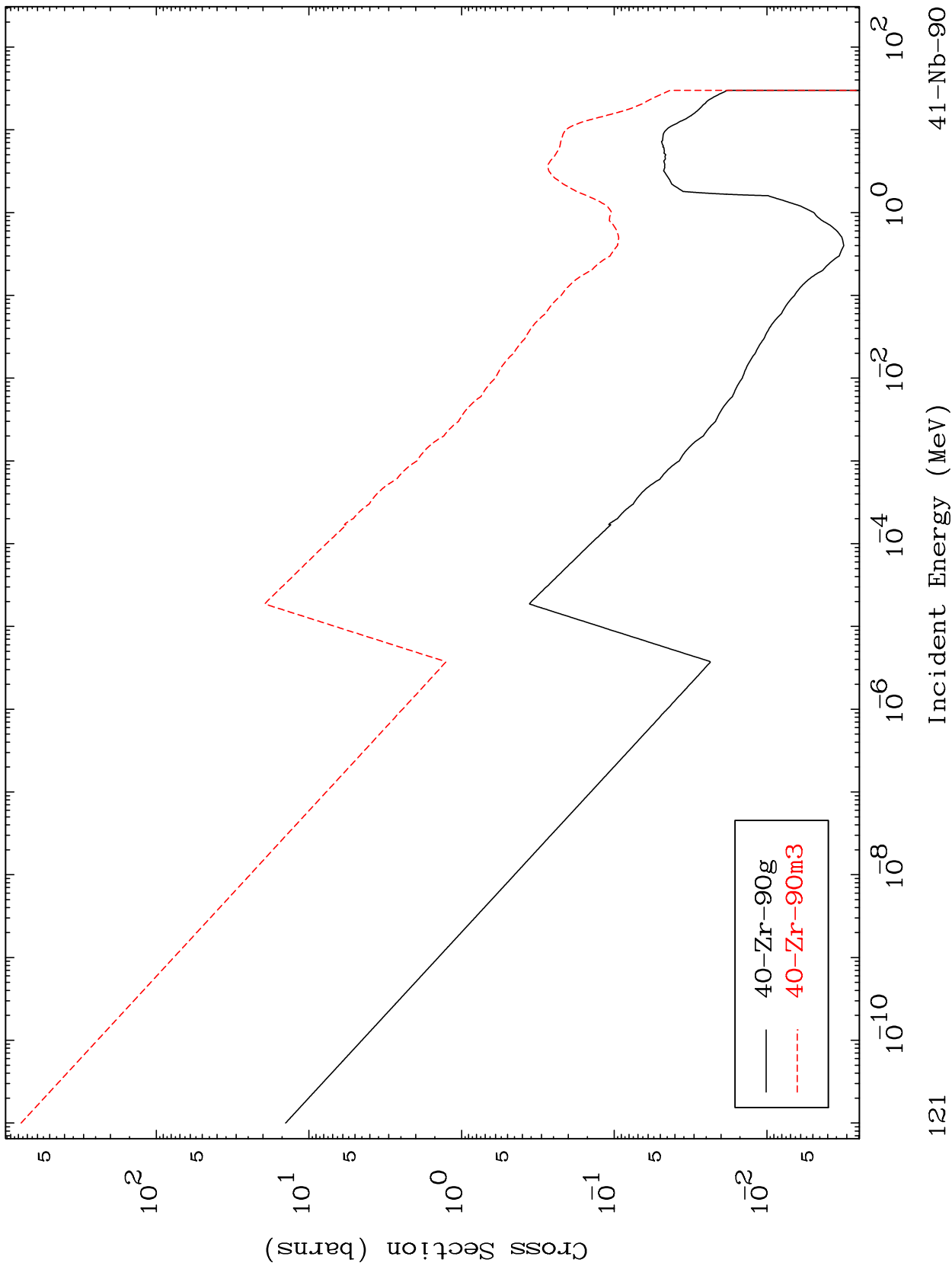
120

41-Nb-90

MAT 4116

41-Nb-90

(n,p)
Radionuclide Production Cross Section

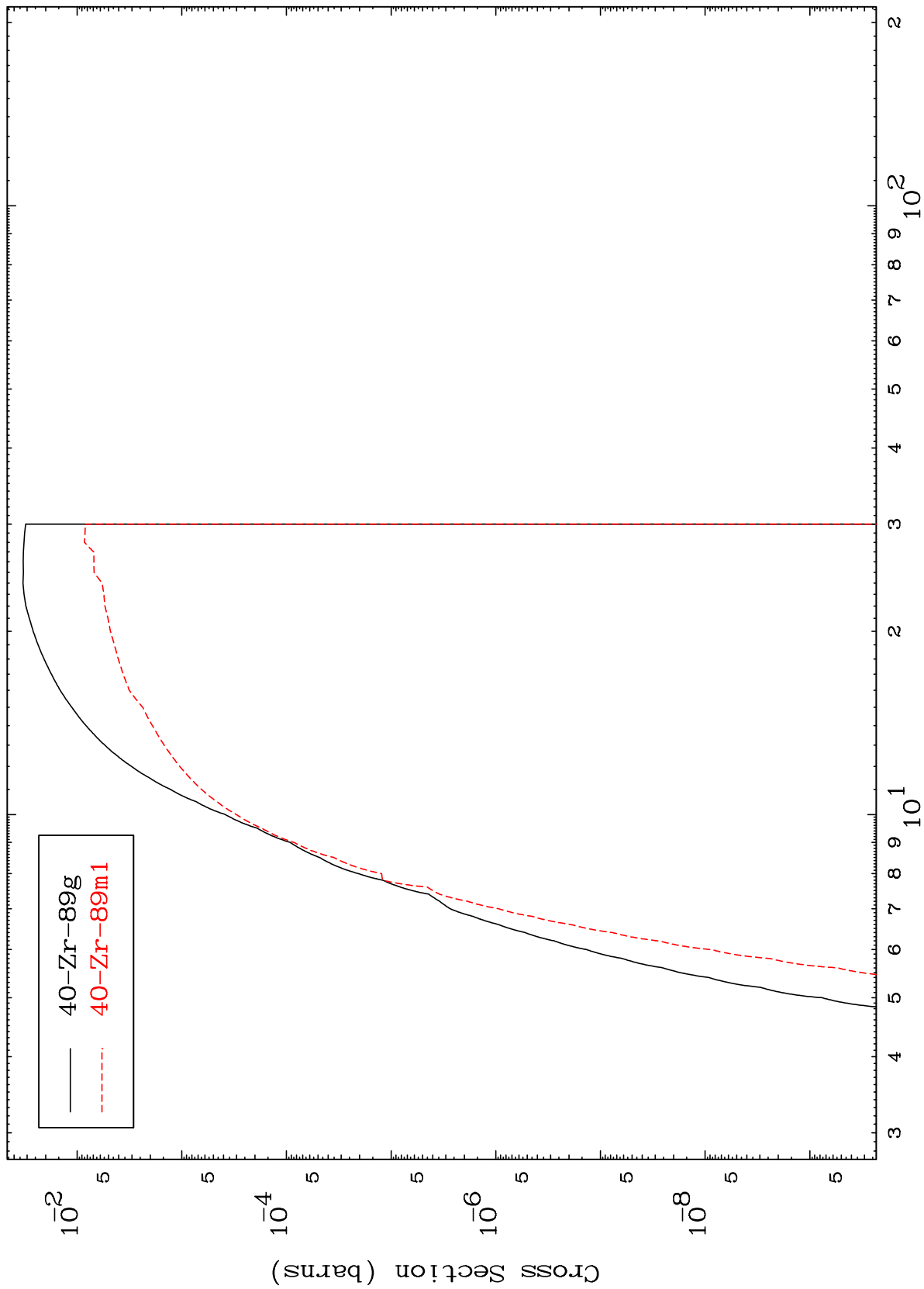


MAT 4116

(n,d)

41-Nb-90

Radionuclide Production Cross Section



— 40-Zr-89g
- - - 40-Zr-89m1

122

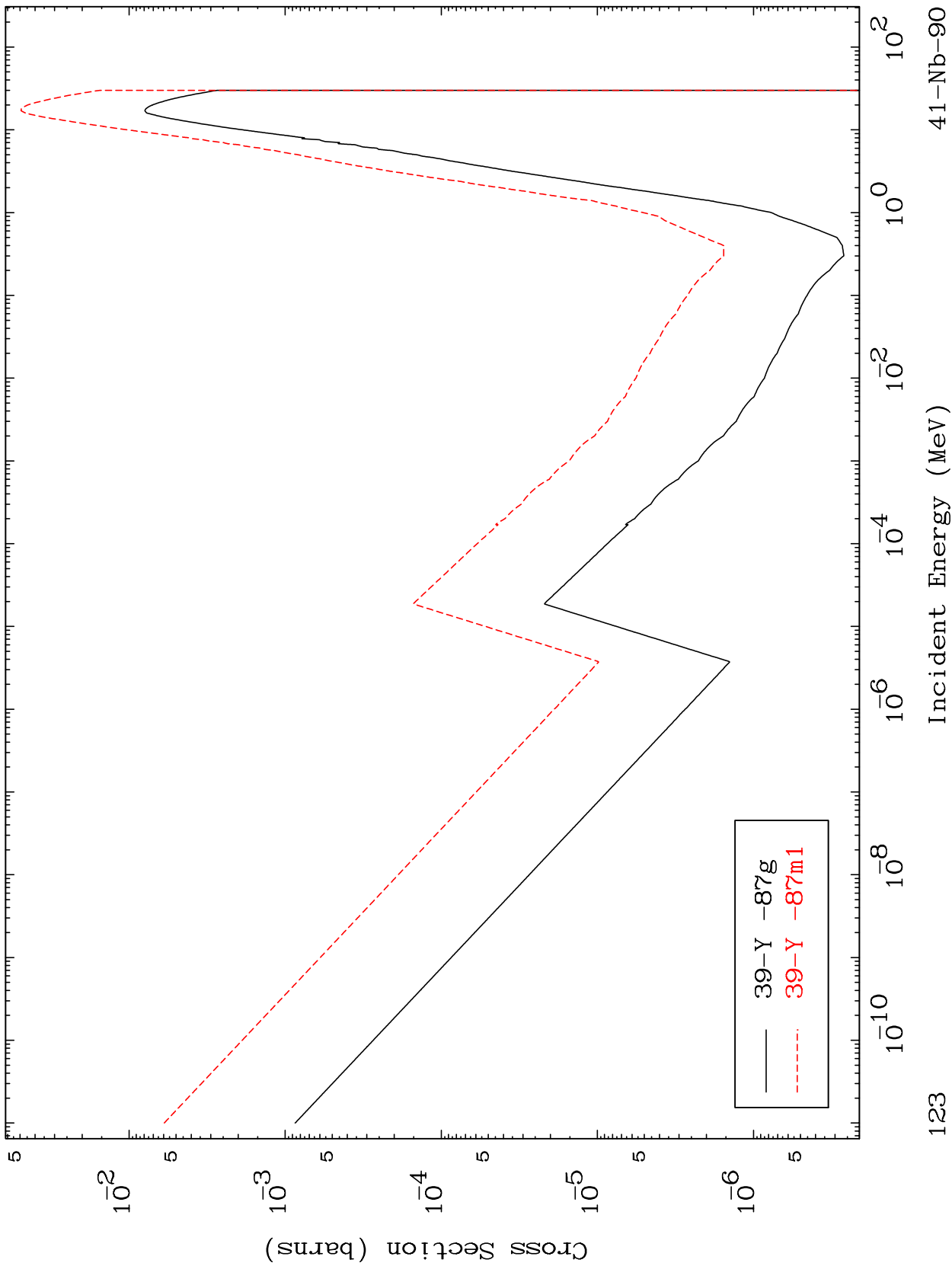
Incident Energy (MeV)

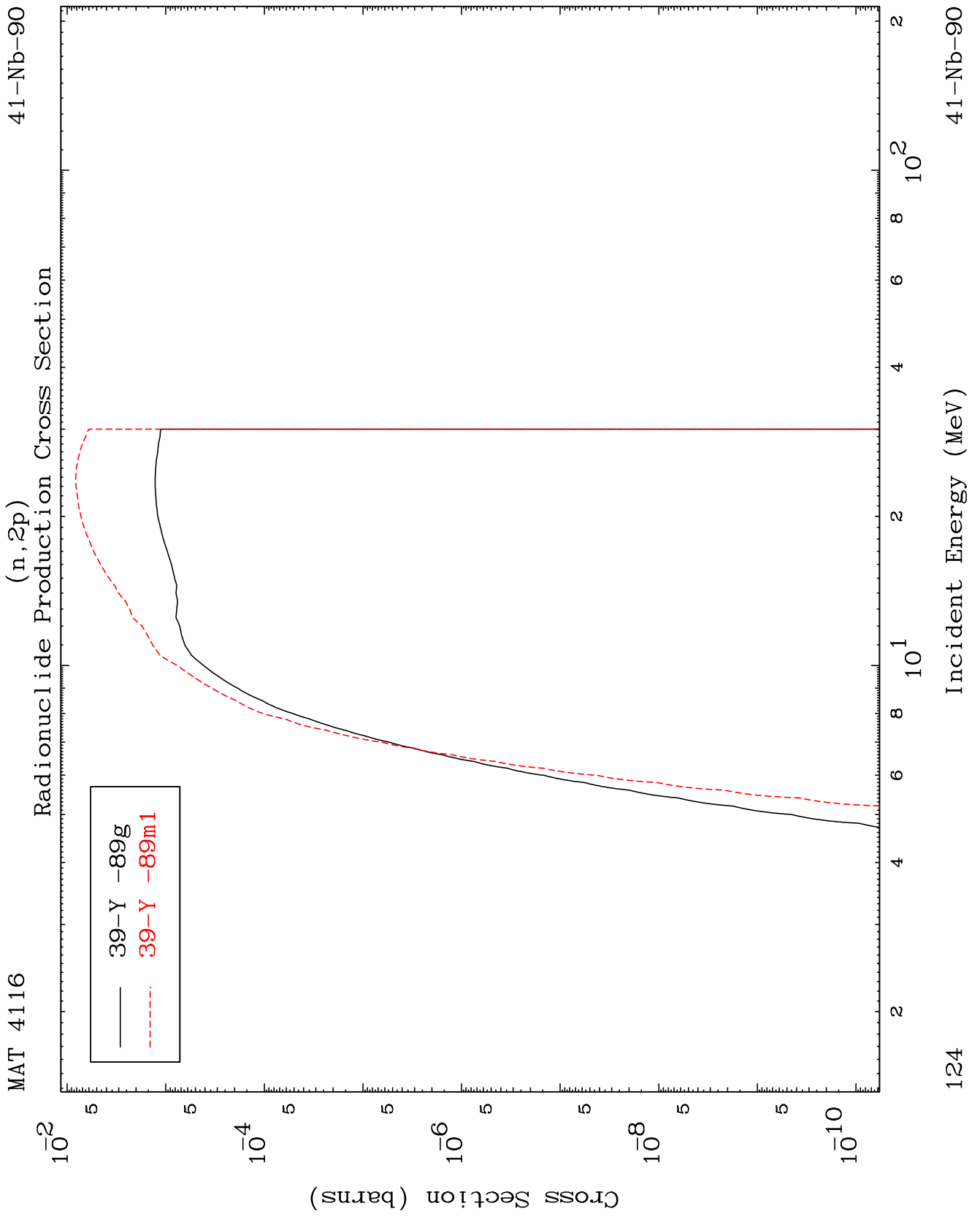
41-Nb-90

MAT 4116

41-Nb-90

Radionuclide Production Cross Section
(n, α)



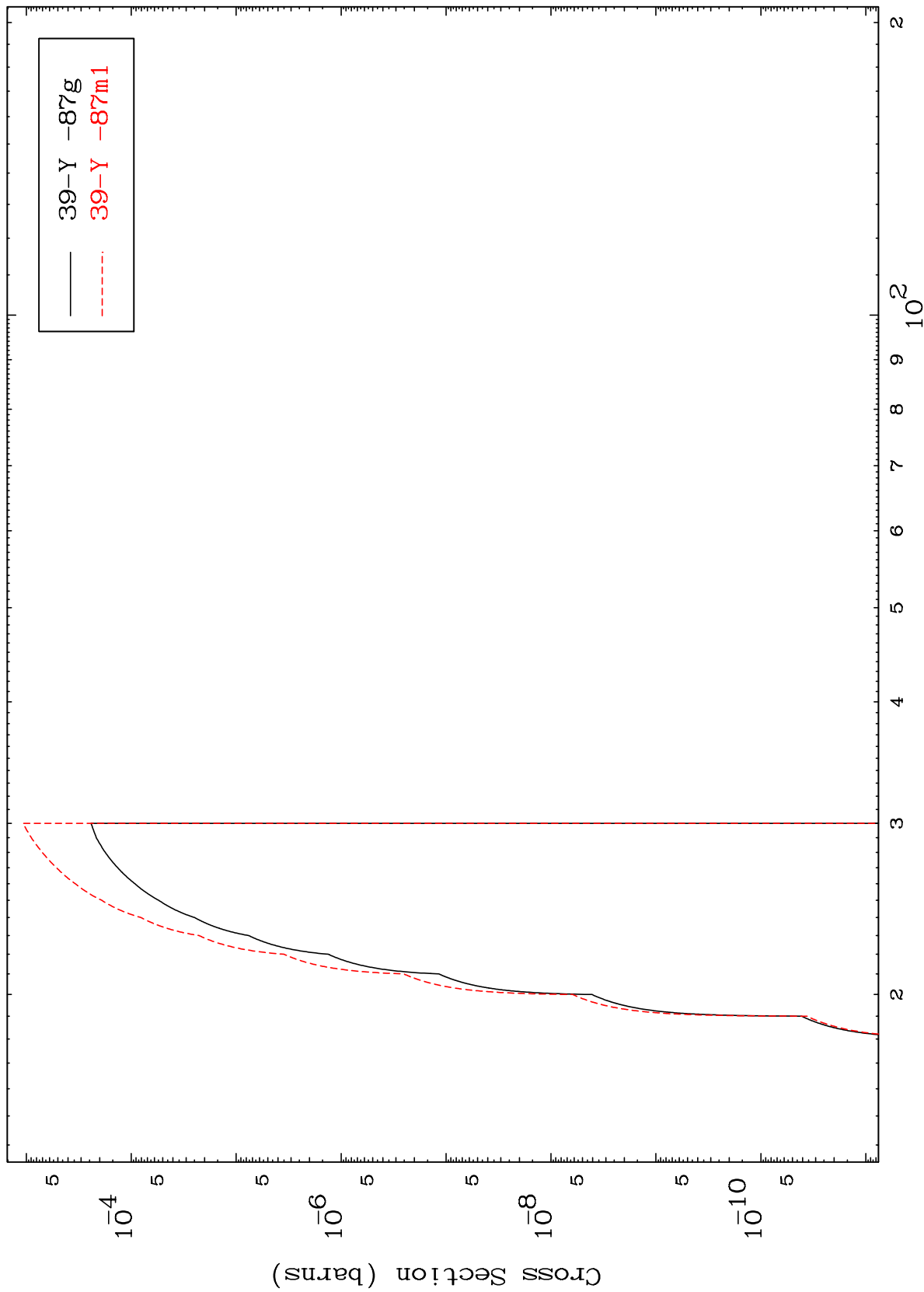


MAT 4116

(n,p) t

41-Nb-90

Radionuclide Production Cross Section



125

Incident Energy (MeV)

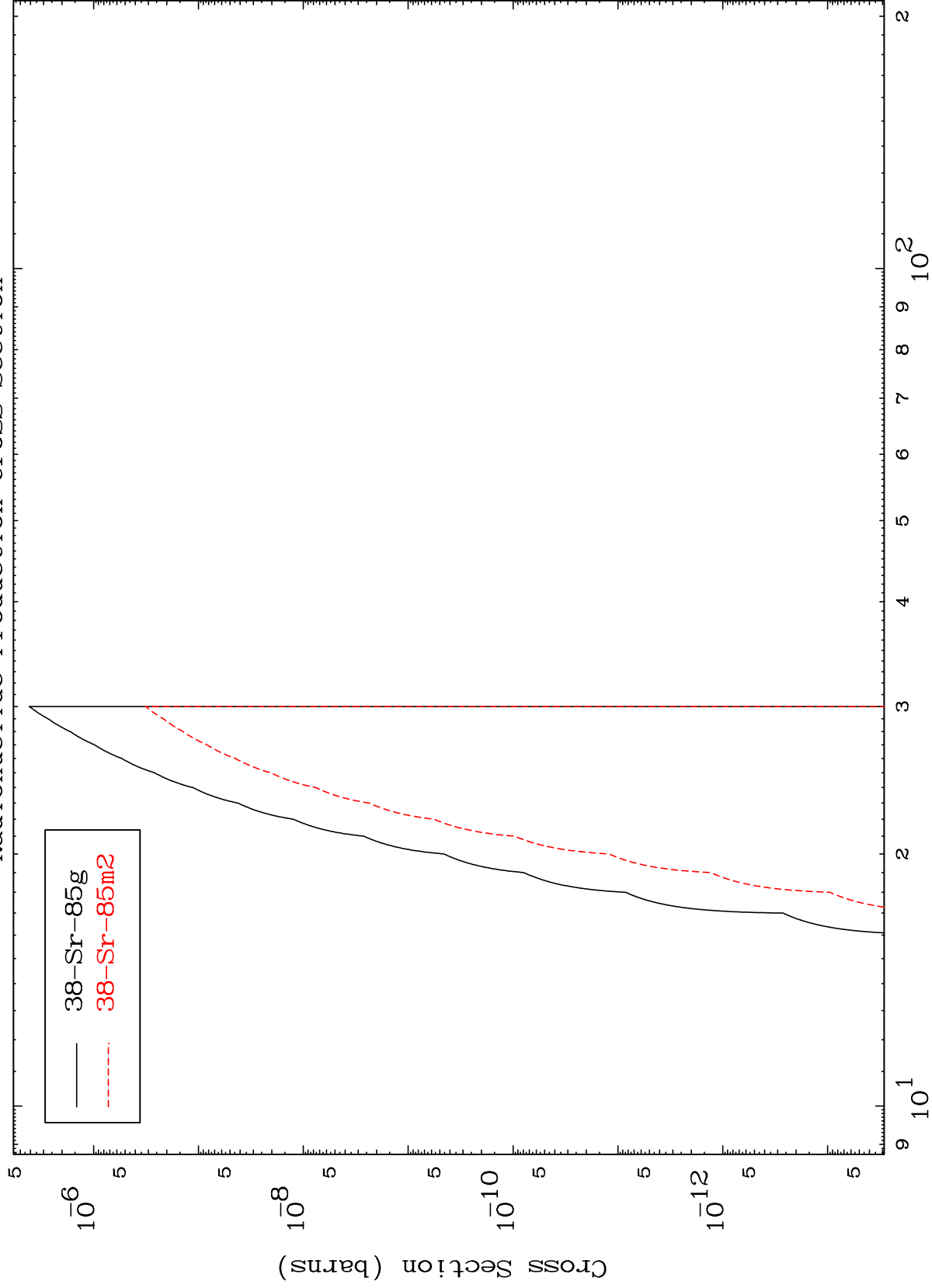
41-Nb-90

MAT 4116

(n,d) α

41-Nb-90

Radionuclide Production Cross Section



38-Sr-85g
38-Sr-85m2

126

Incident Energy (MeV)

41-Nb-90