

Program EVALPLOT
(Version 2015-2)

by

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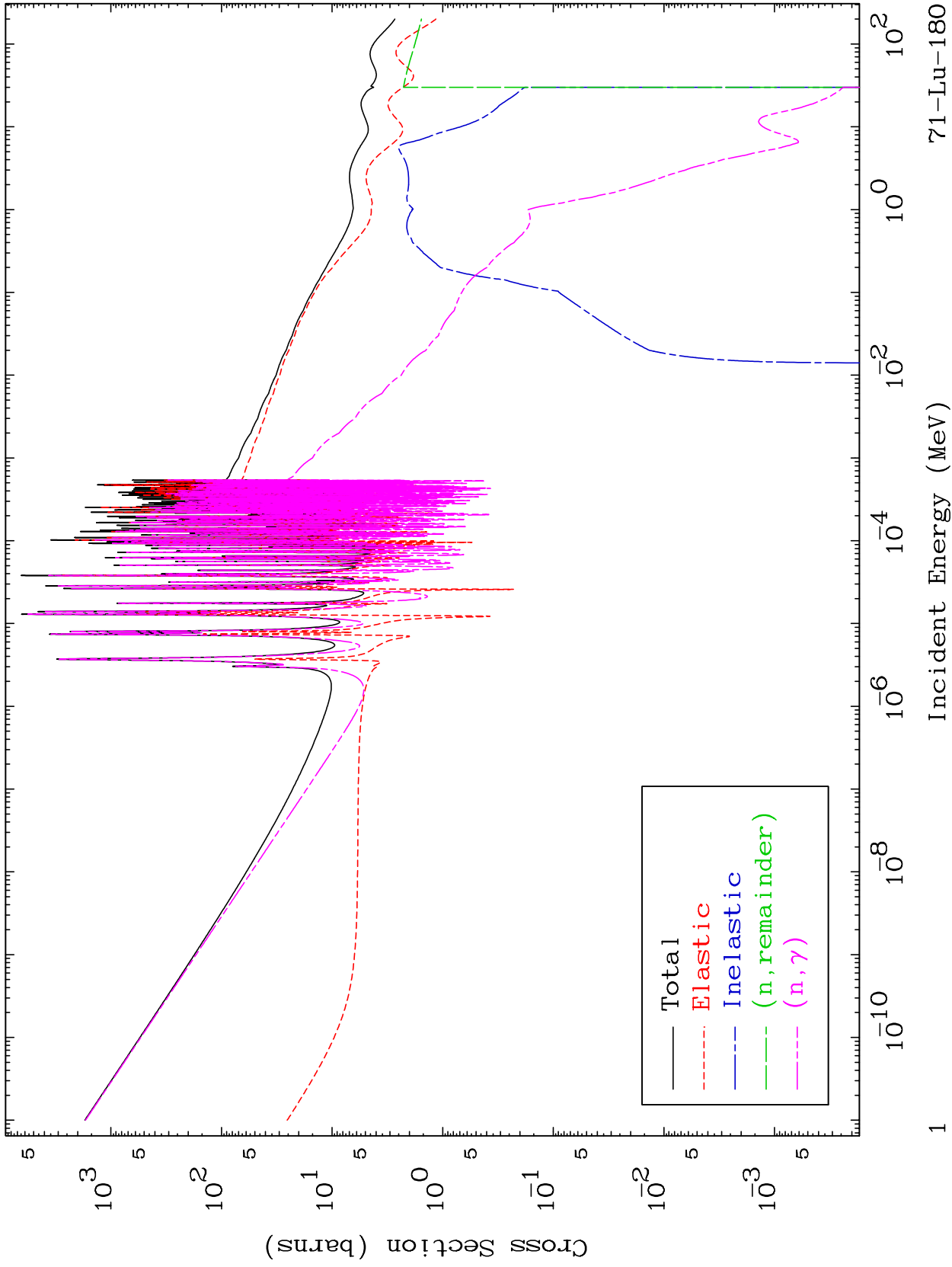
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7140

Major
293 Kelvin Cross Sections

71-Lu-180

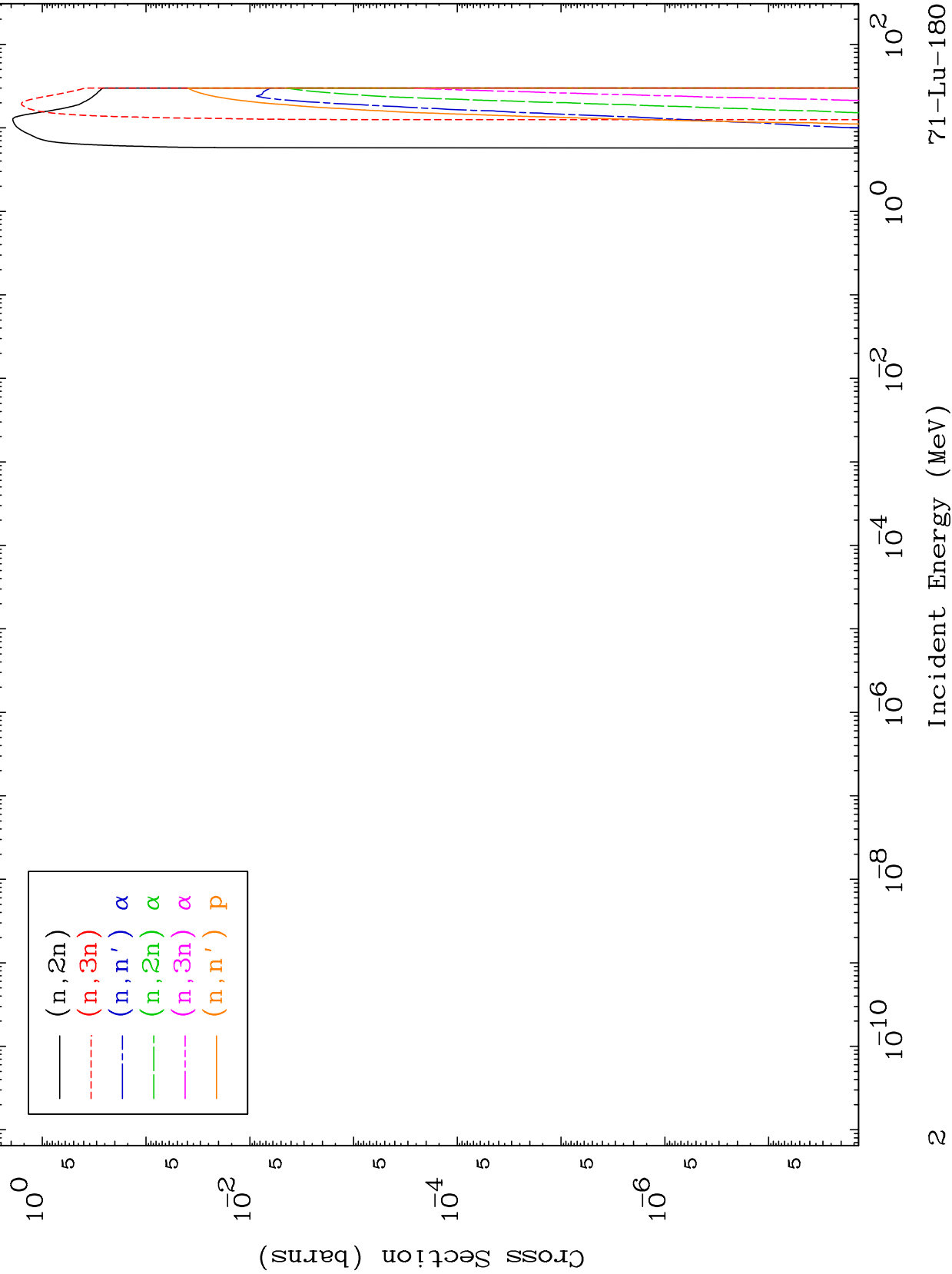


71-Lu-180

MAT 7140

Neutron Production
293 Kelvin Cross Sections

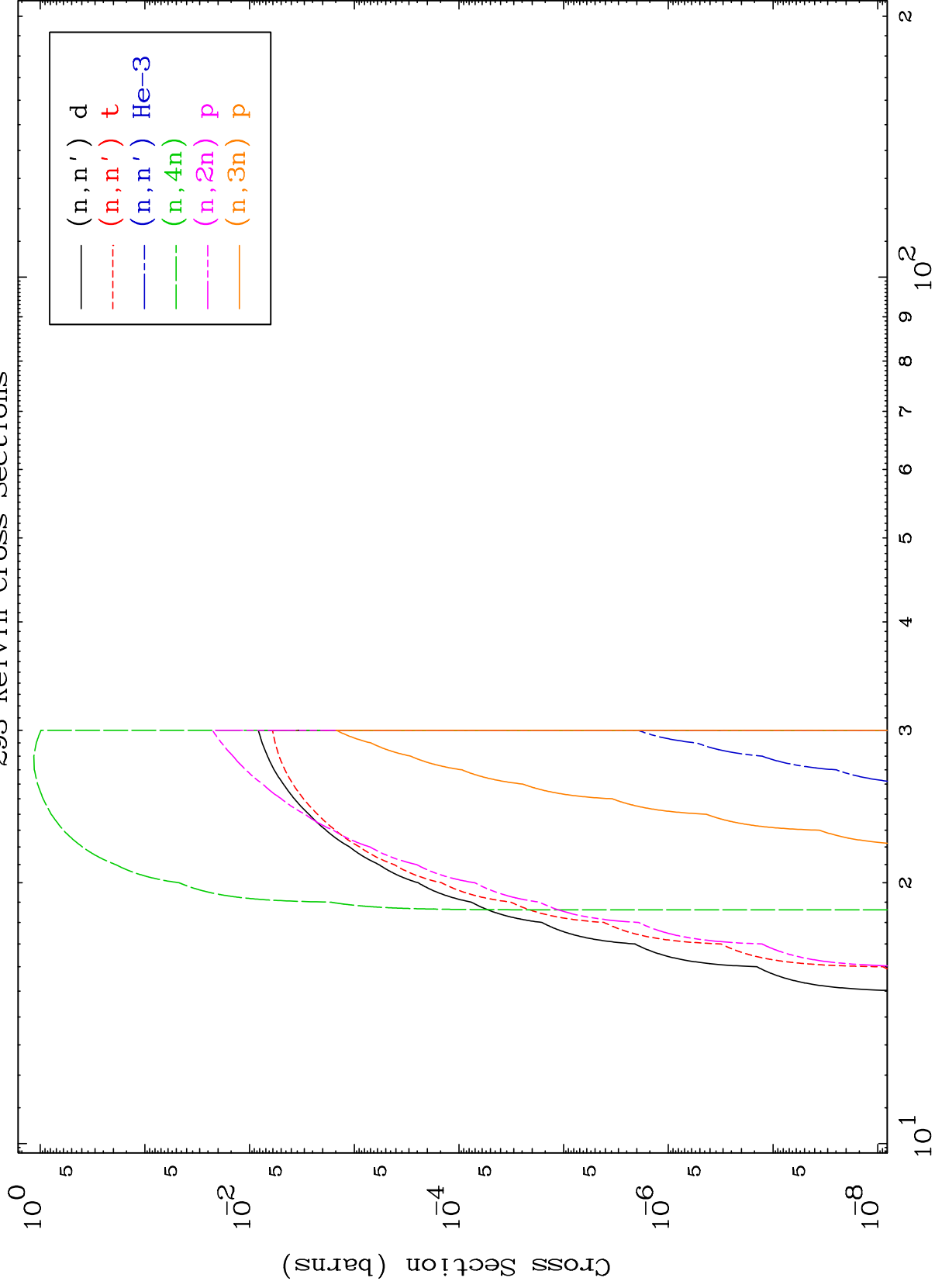
71-Lu-180



MAT 7140

Neutron Production
293 Kelvin Cross Sections

71-Lu-180



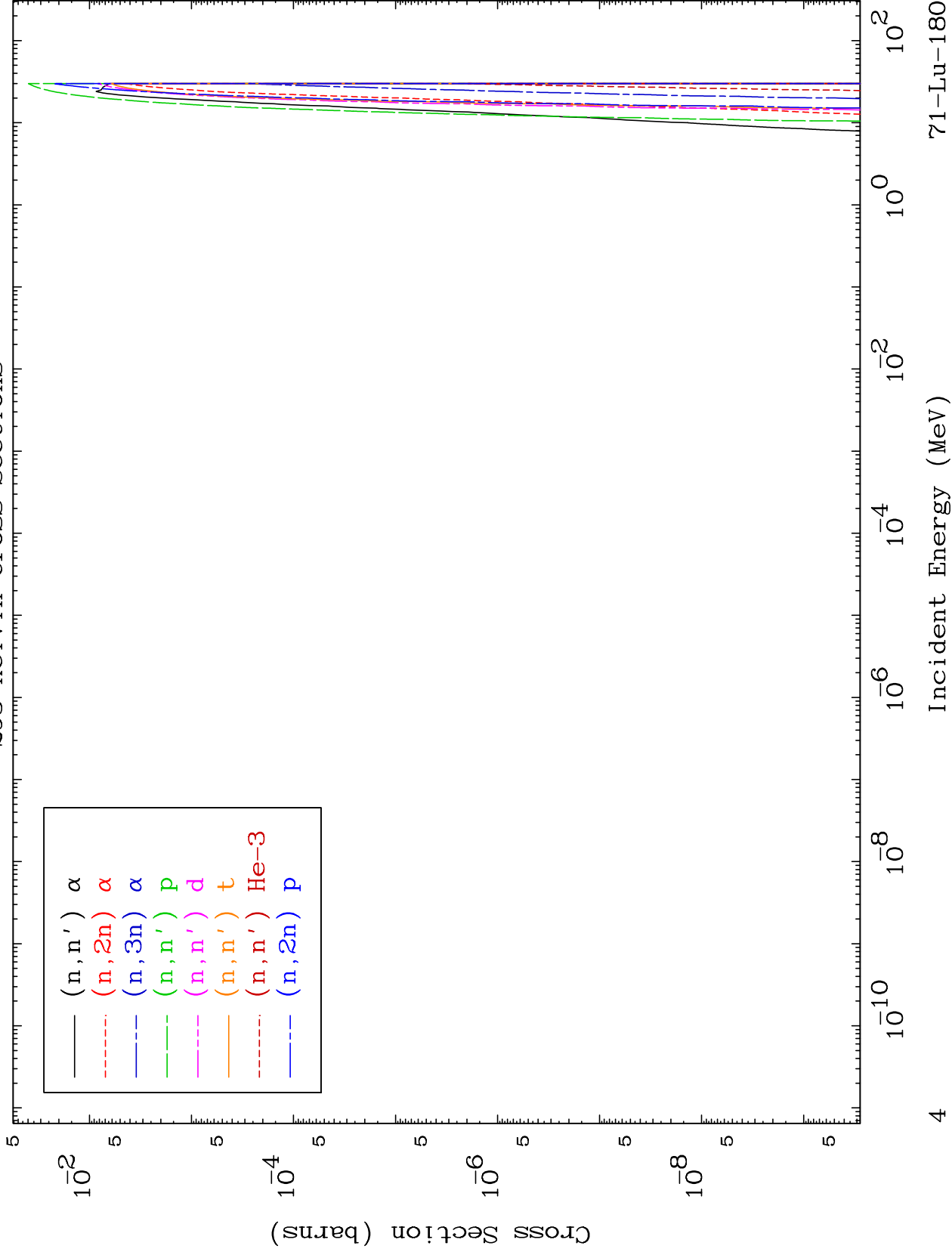
Incident Energy (MeV)

71-Lu-180

MAT 7140

Charged Particle
293 Kelvin Cross Sections

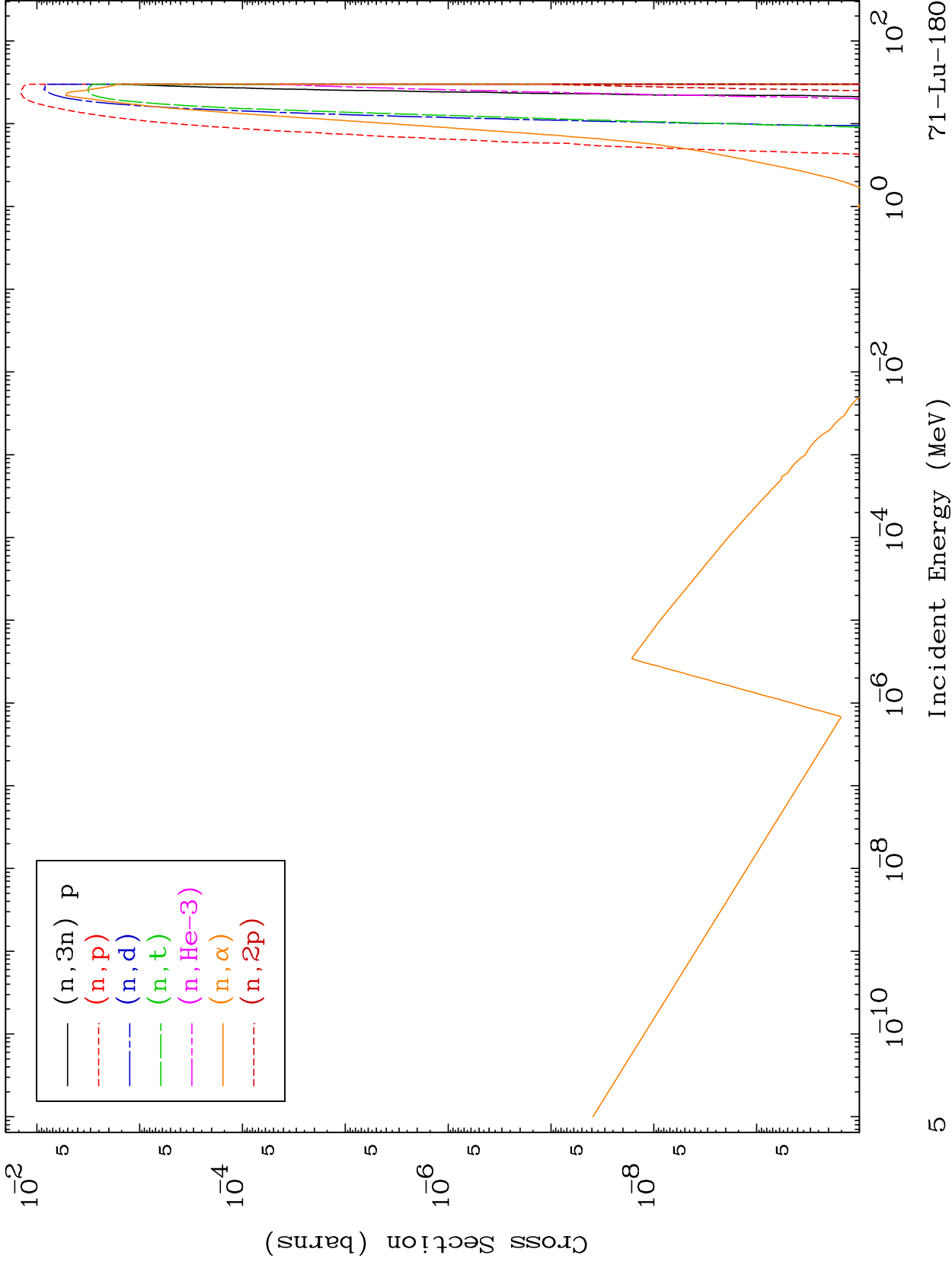
71-Lu-180



MAT 7140

Charged Particle
293 Kelvin Cross Sections

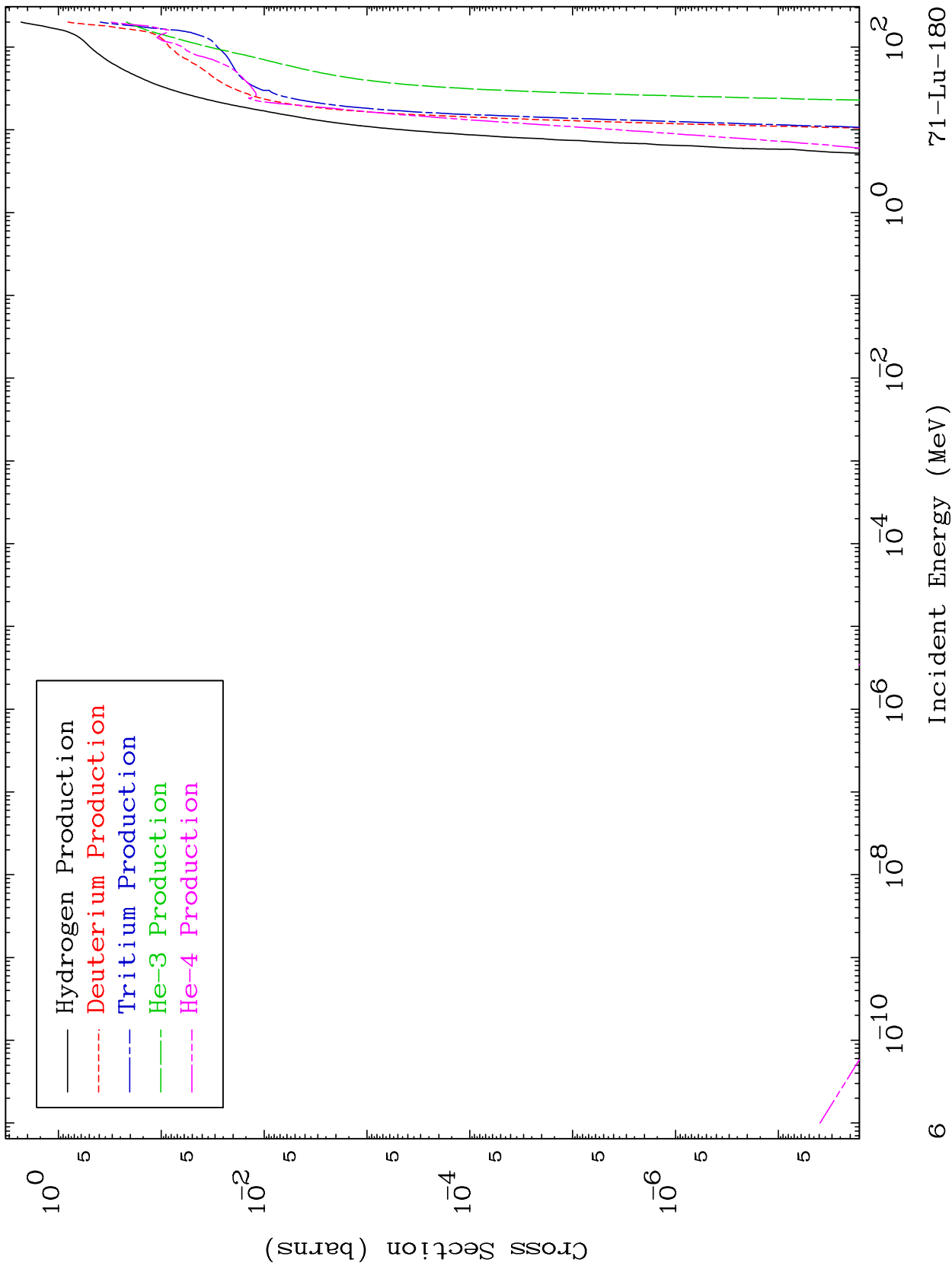
71-Lu-180



MAT 7140

Particle Production
293 Kelvin Cross Sections

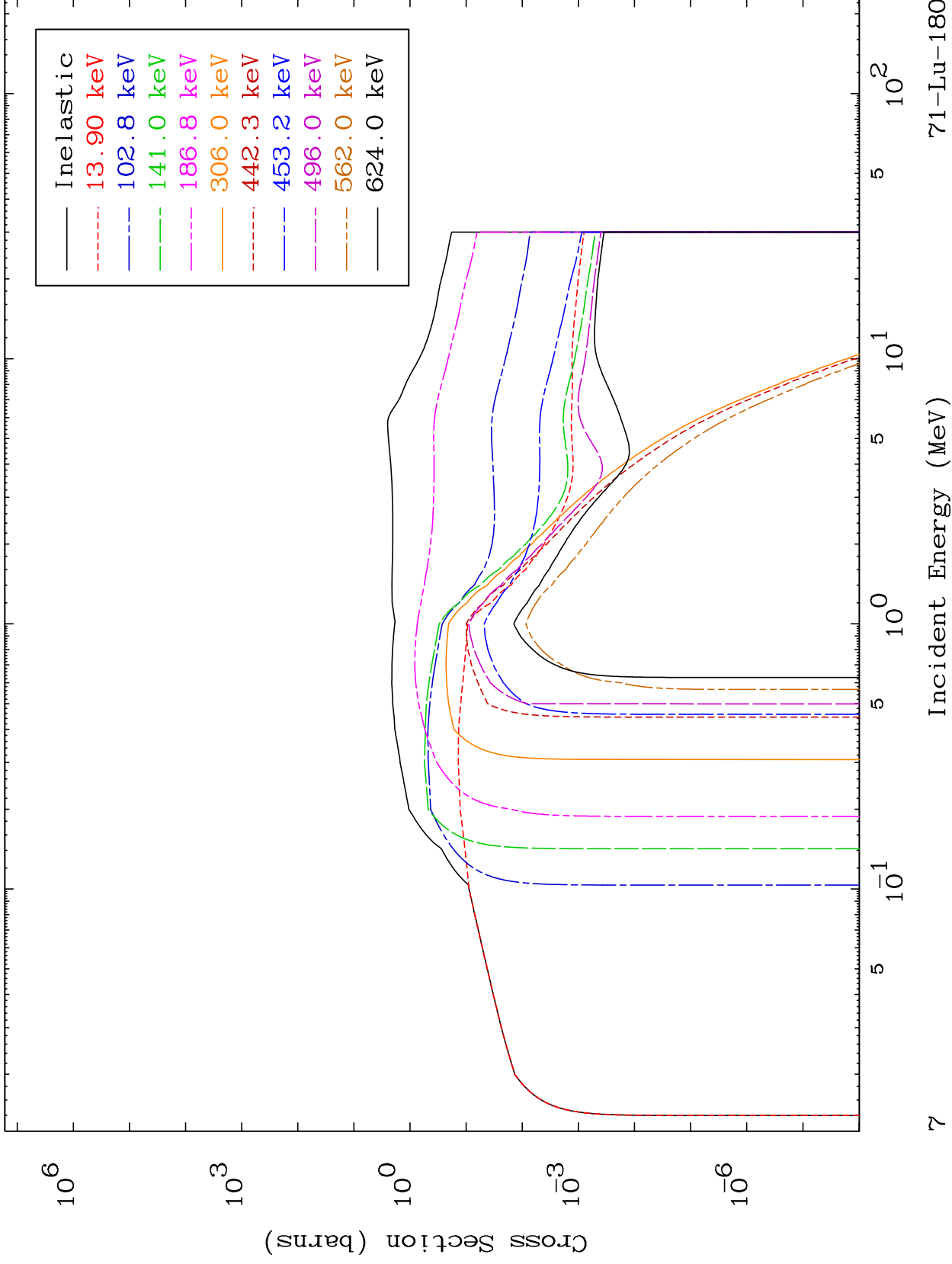
71-Lu-180

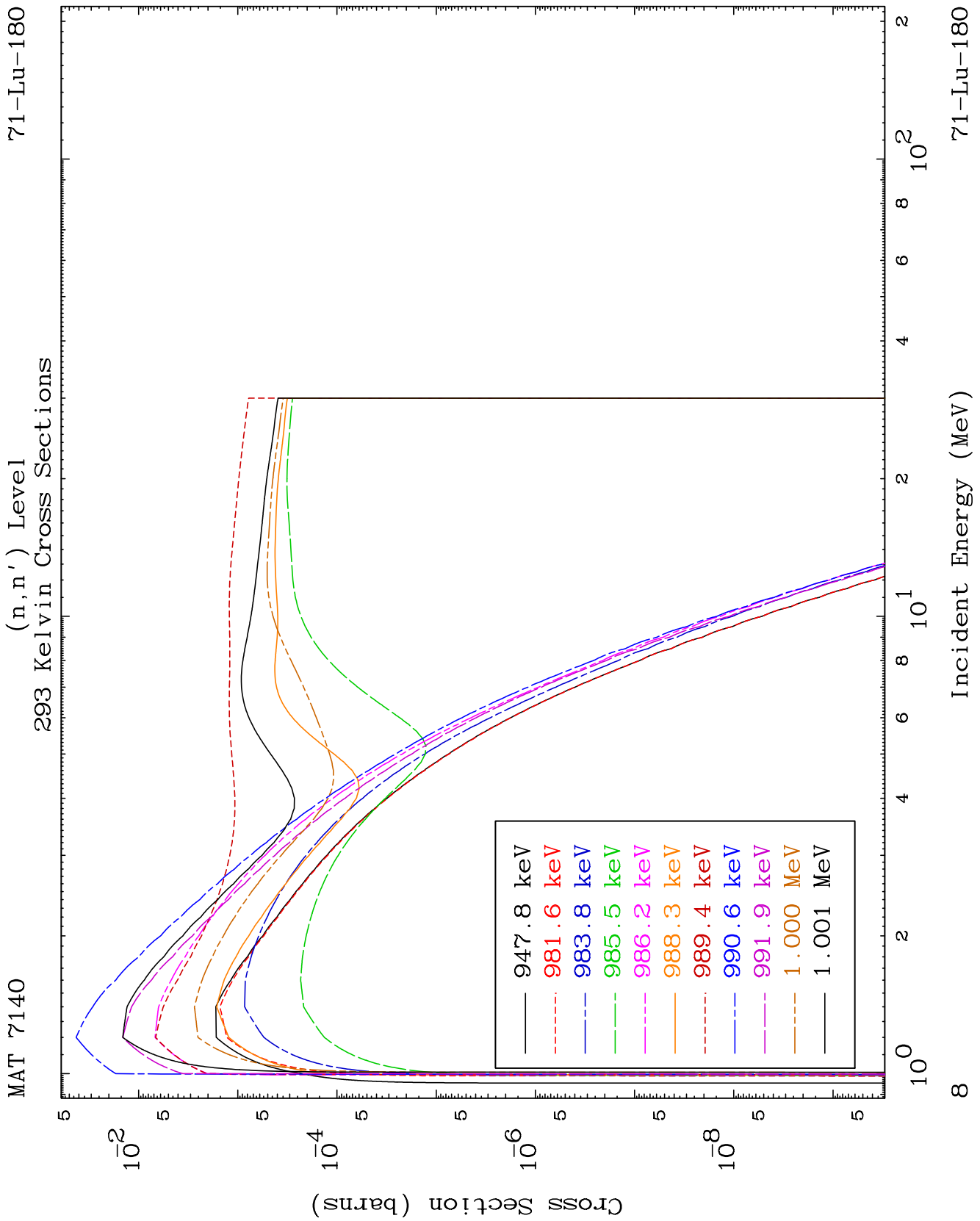


MAT 7140

(n,n') Level
293 Kelvin Cross Sections

71-Lu-180

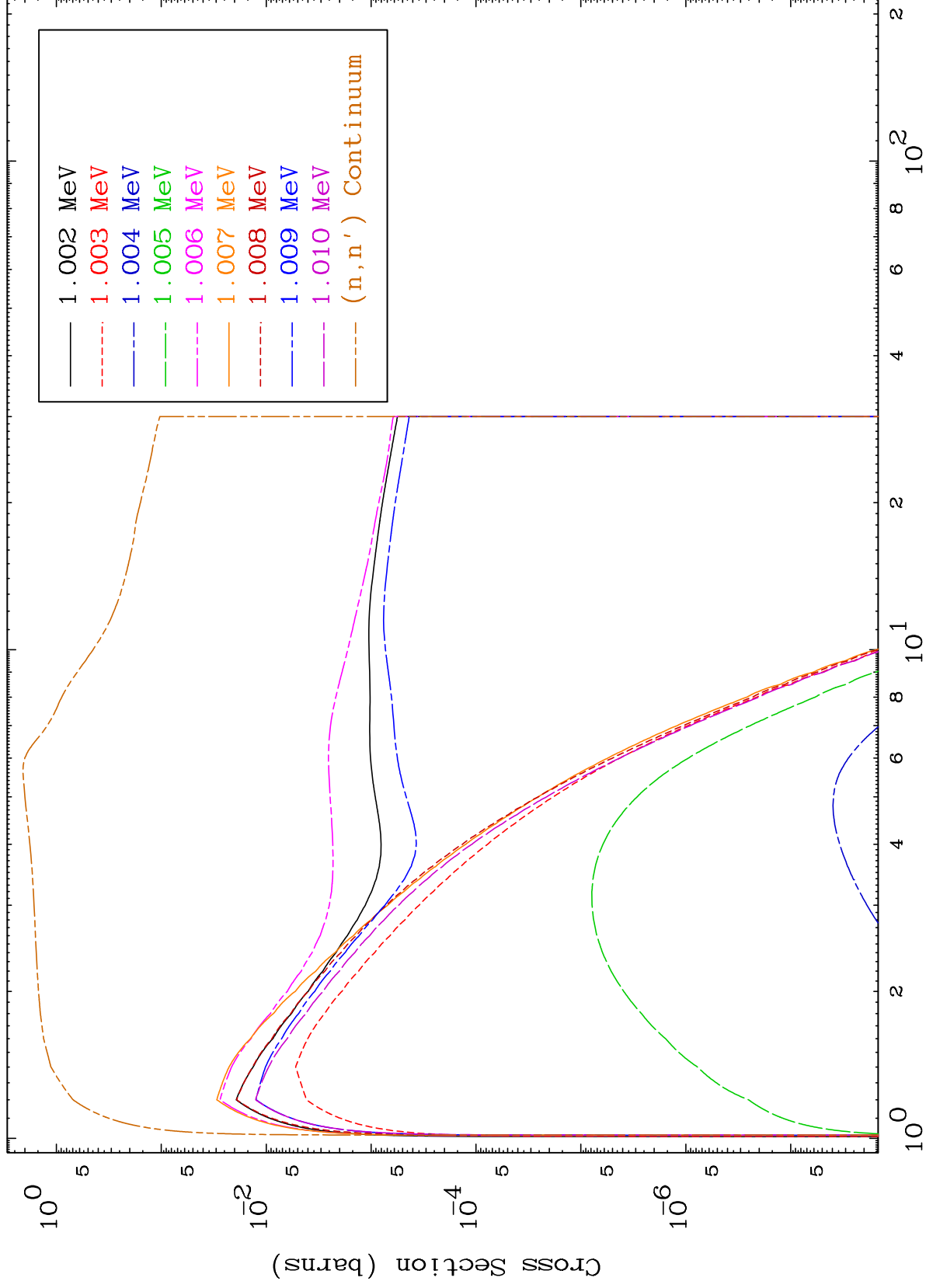




MAT 7140

(n,n') Level
293 Kelvin Cross Sections

71-Lu-180



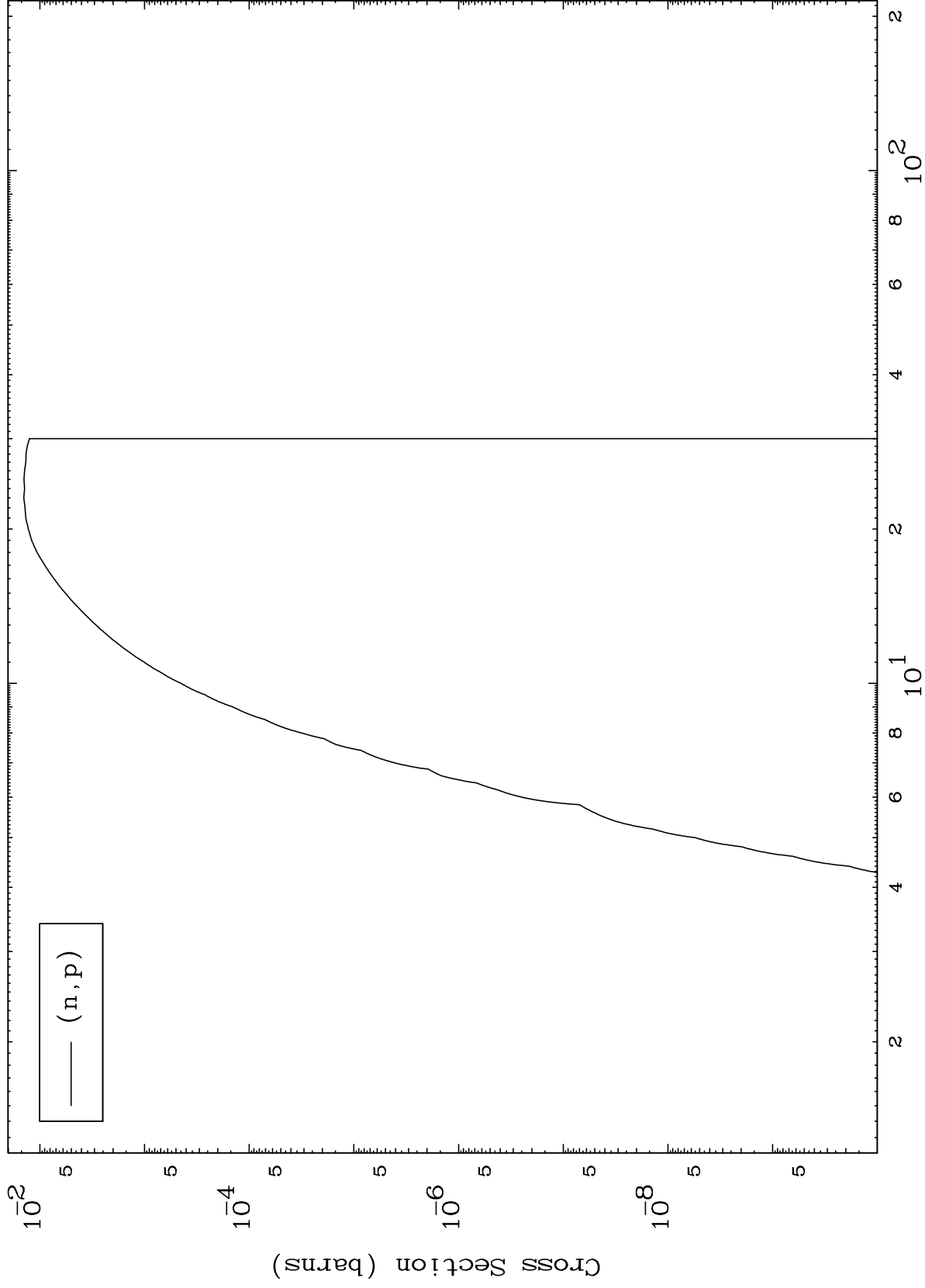
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,p) Levels
293 Kelvin Cross Sections

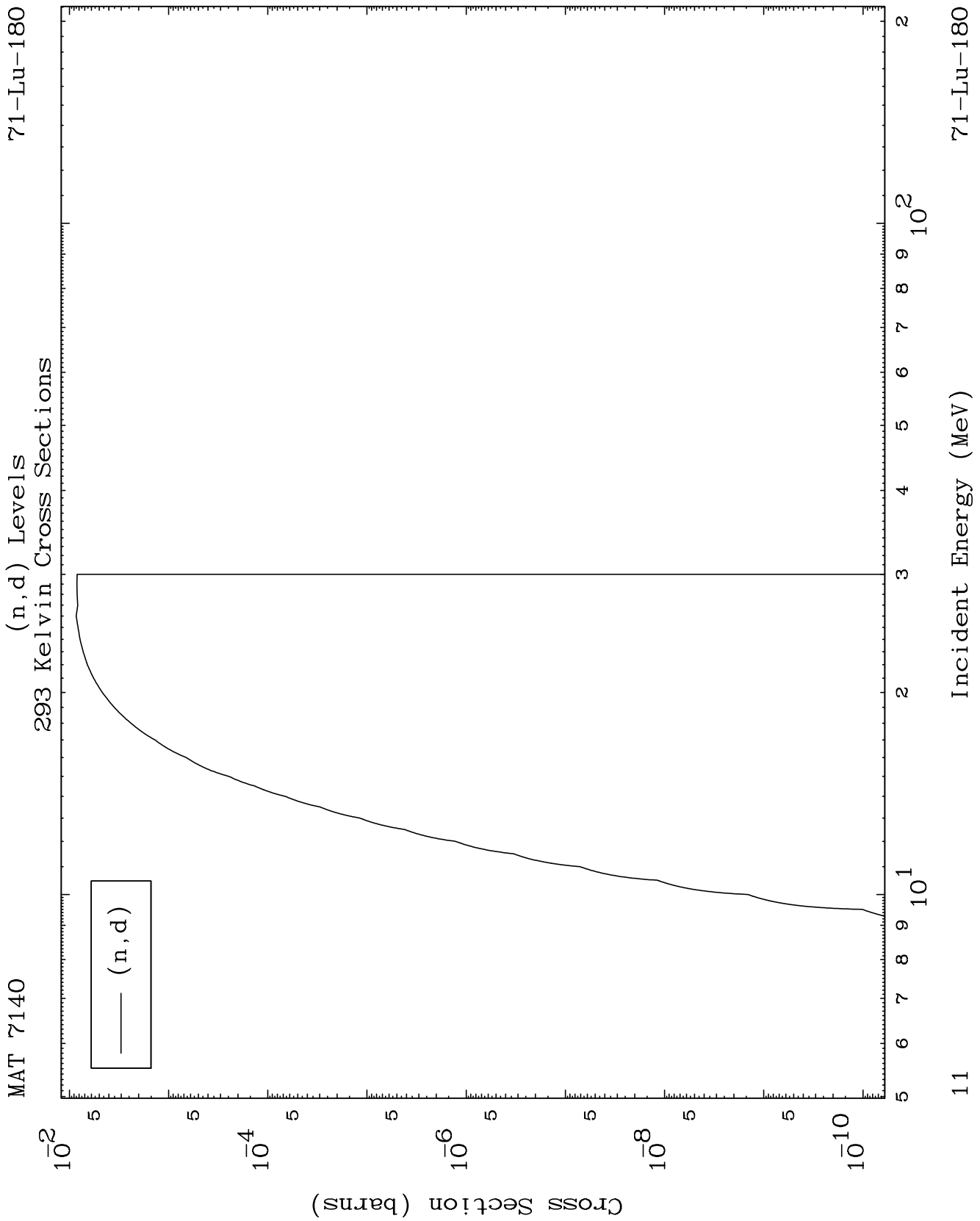
71-Lu-180



10

Incident Energy (MeV)

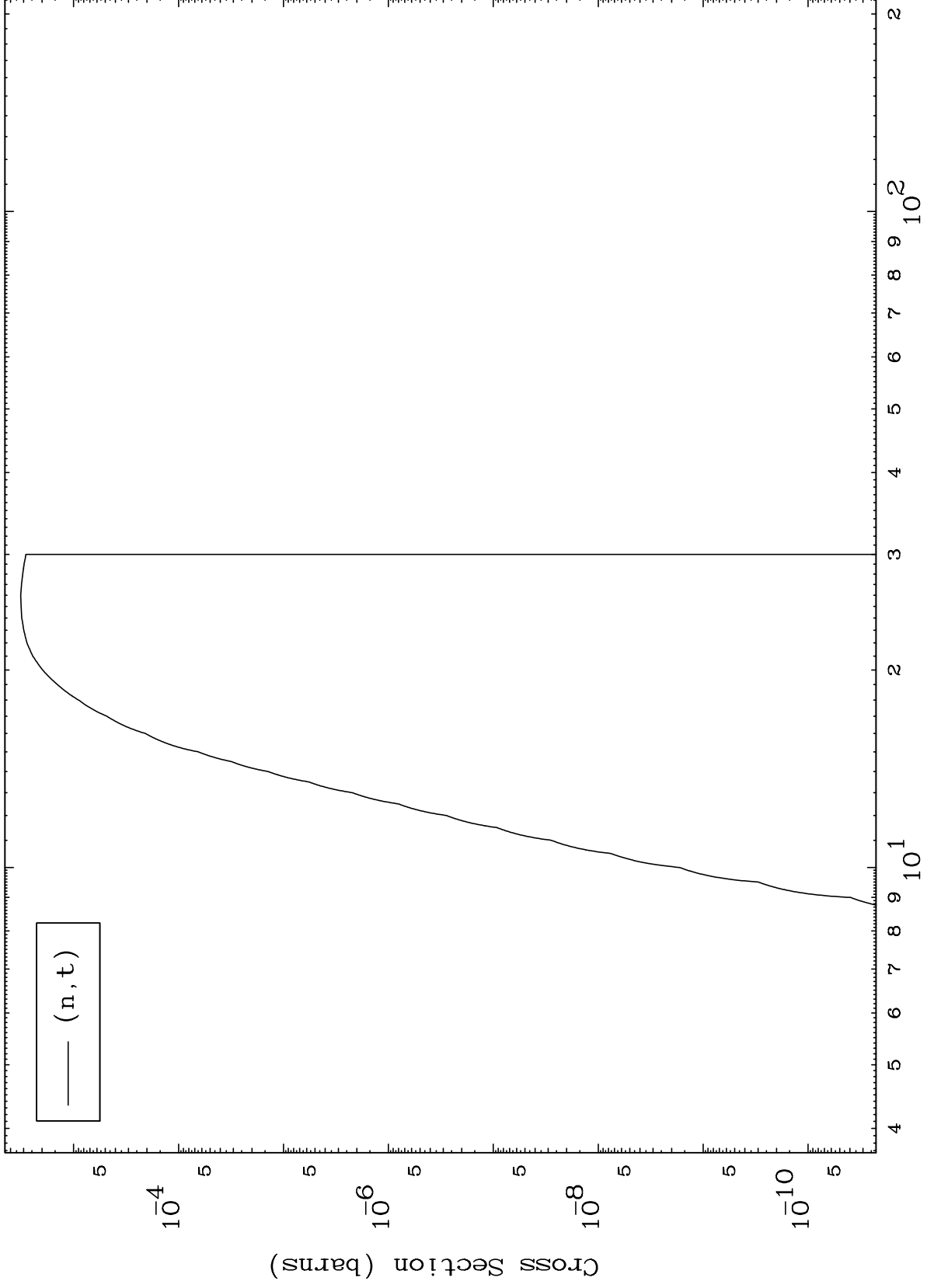
71-Lu-180



MAT 7140

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-180



12

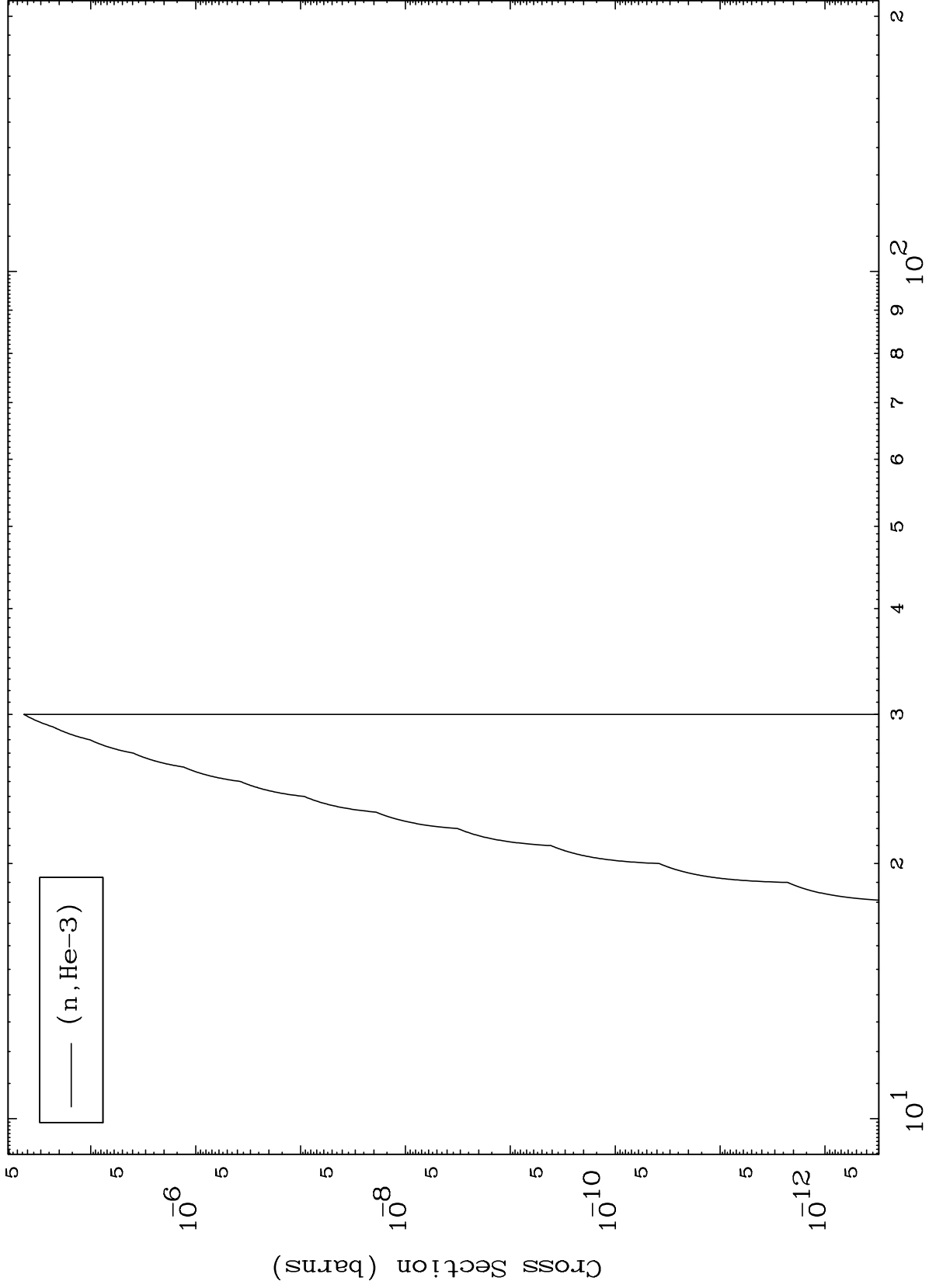
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-180



13

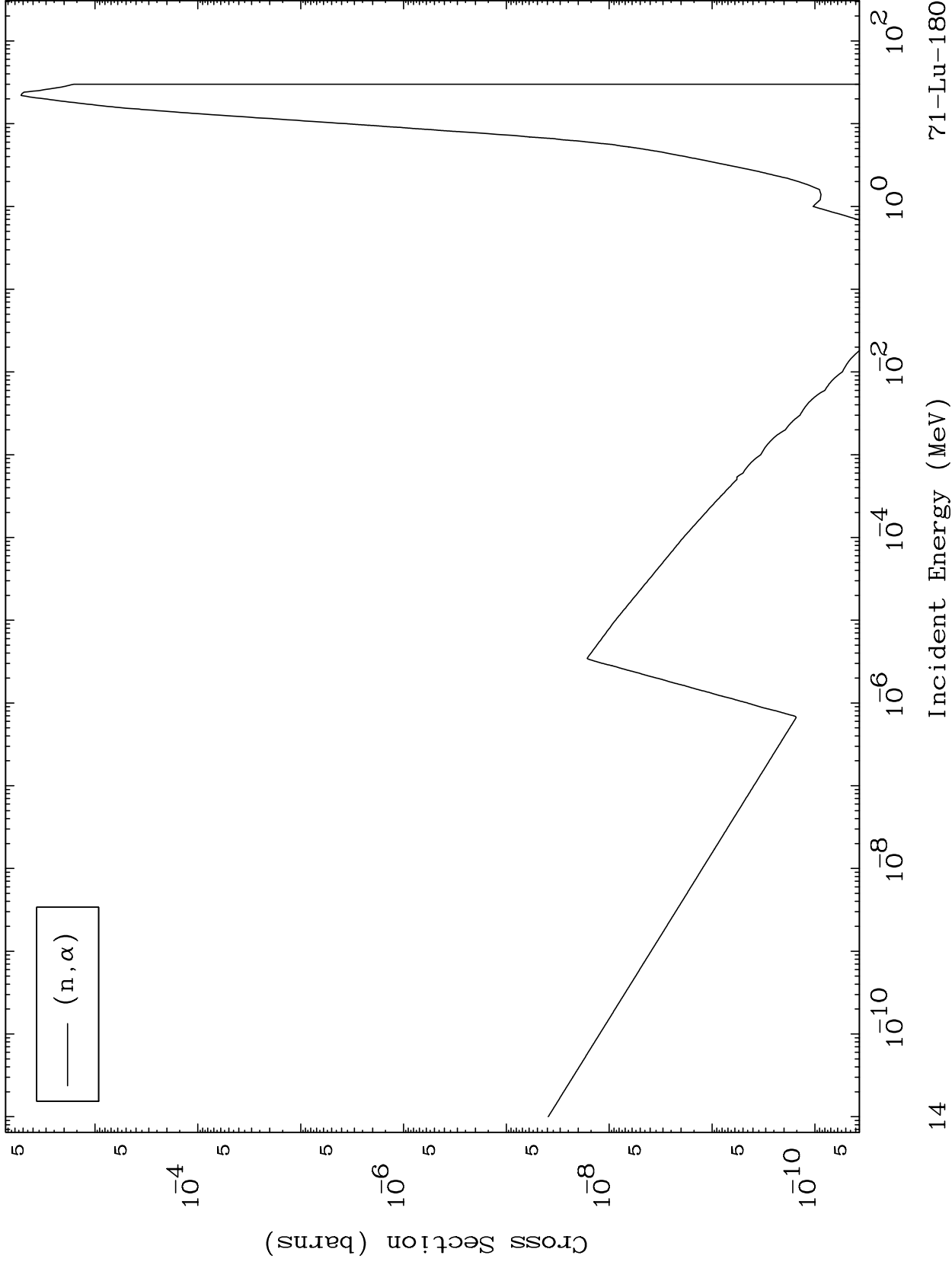
Incident Energy (MeV)

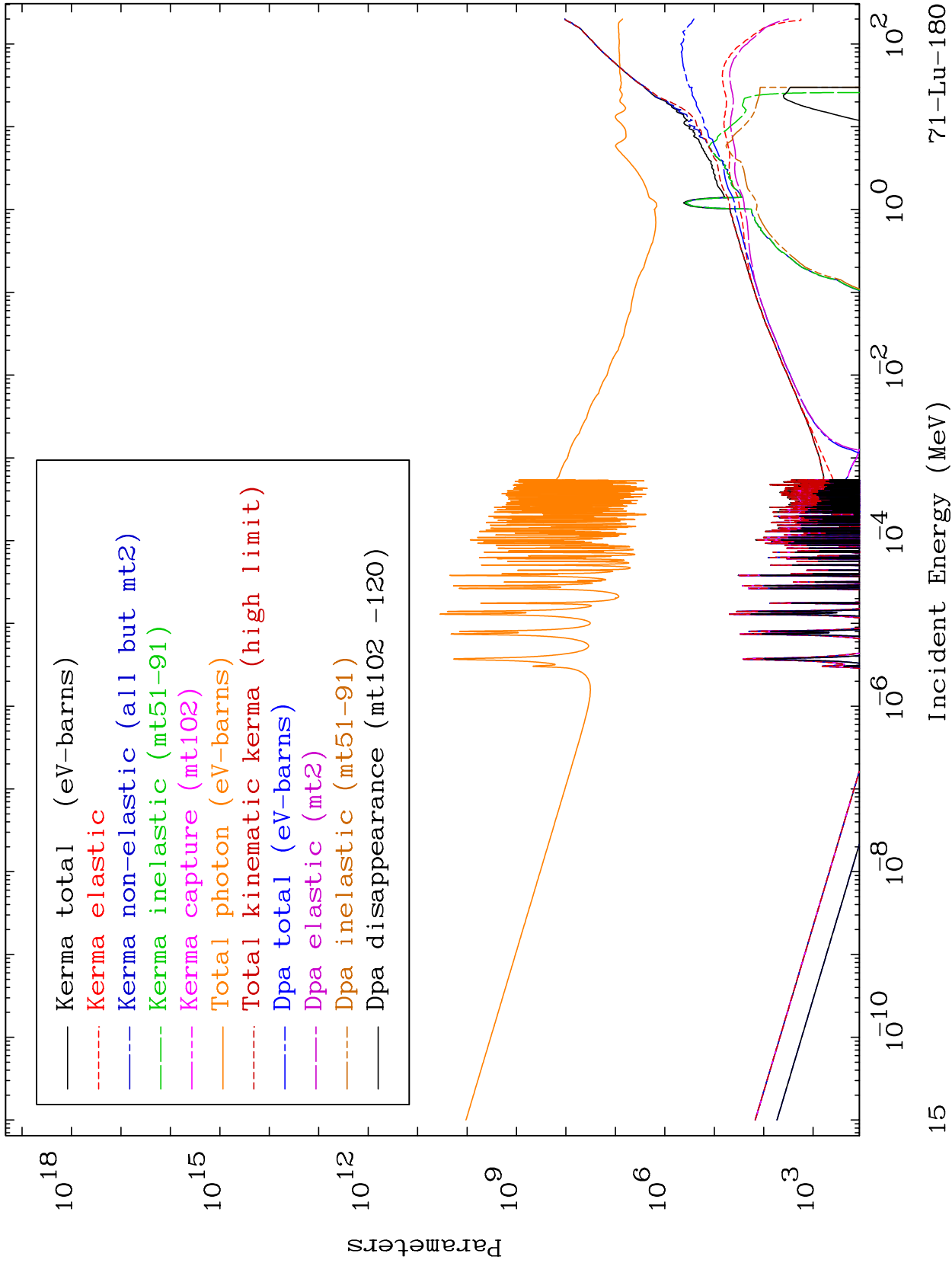
71-Lu-180

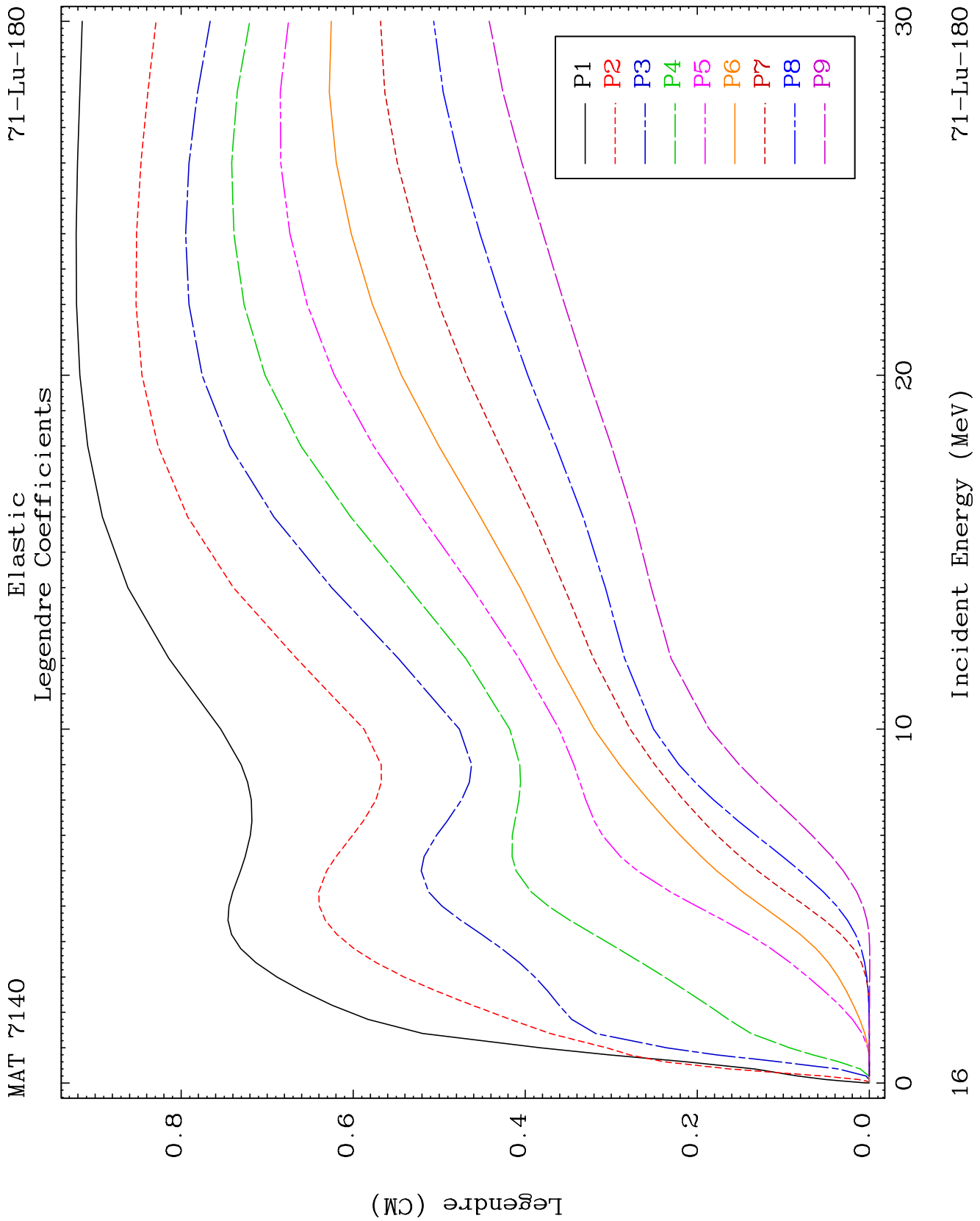
MAT 7140

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-180



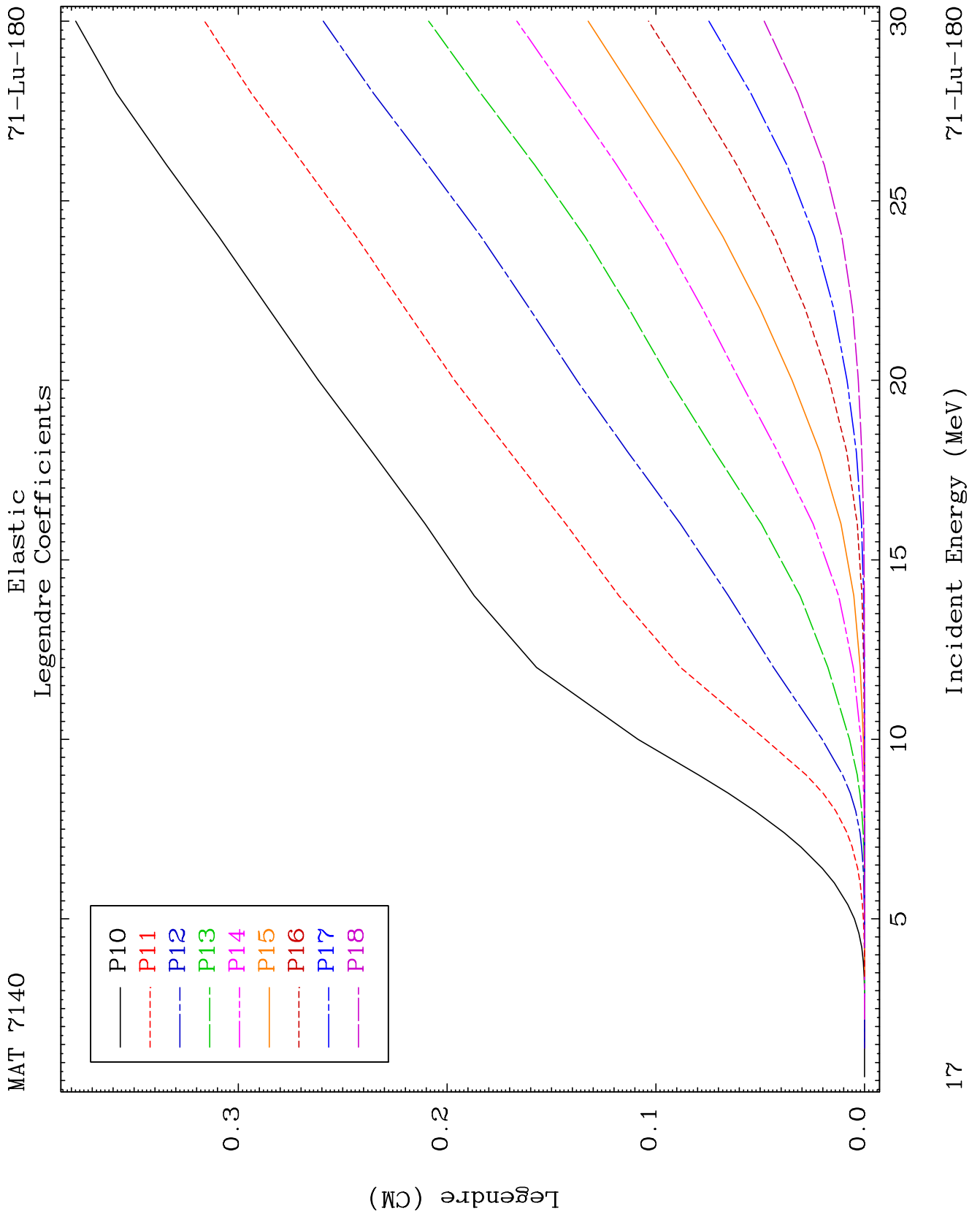




71-Lu-180

Incident Energy (MeV)

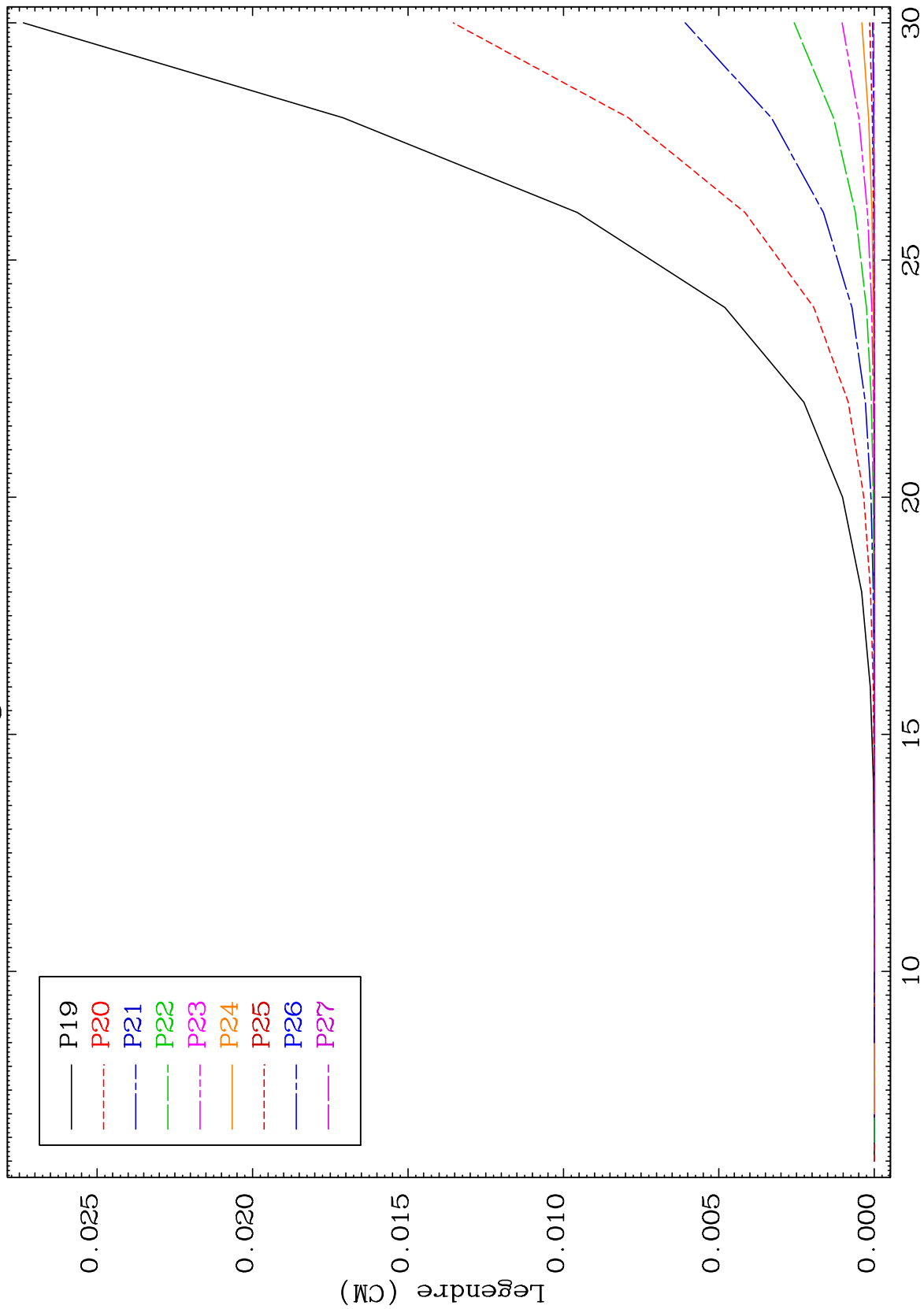
16



MAT 7140

Elastic Legendre Coefficients

71-Lu-180



18

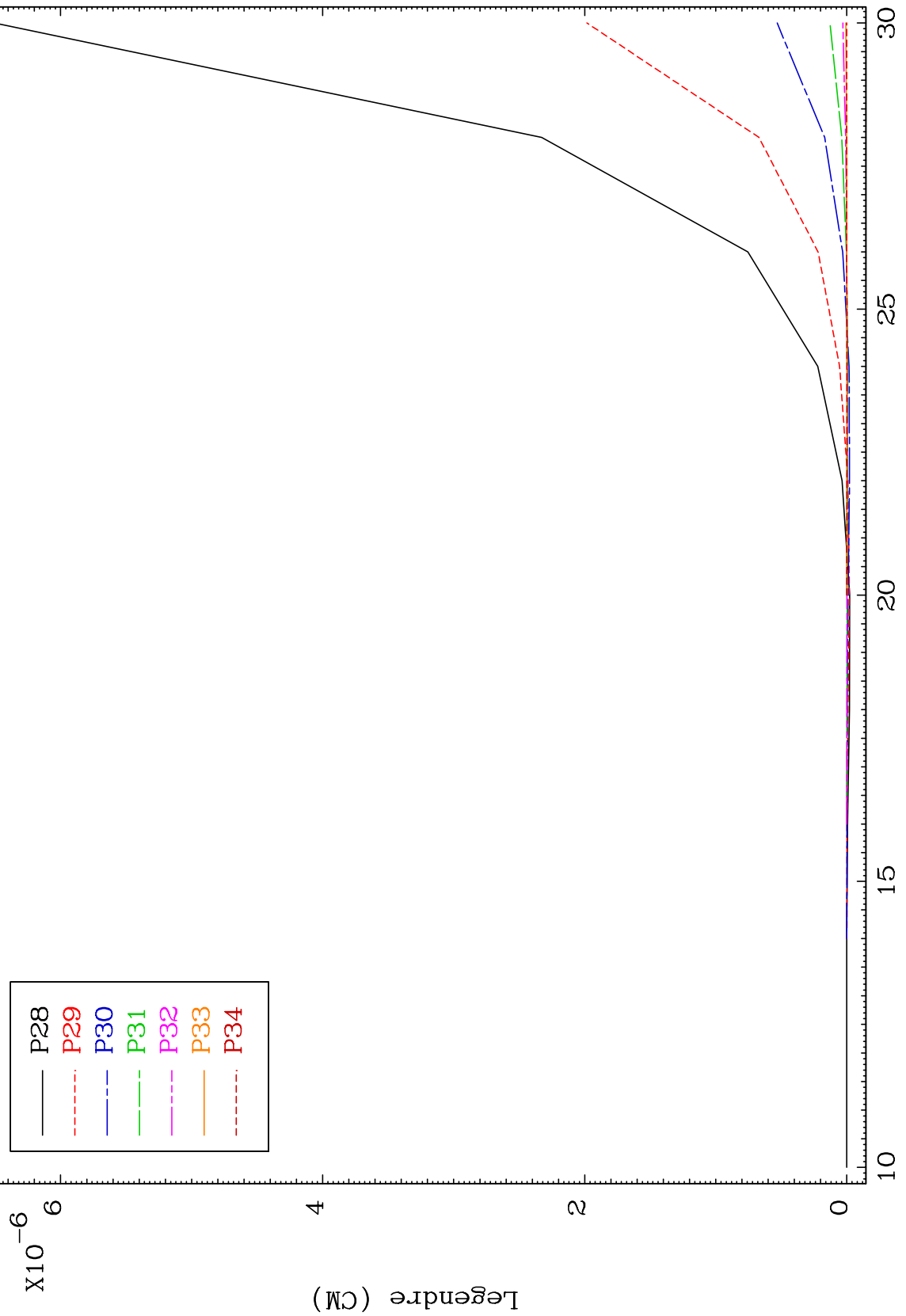
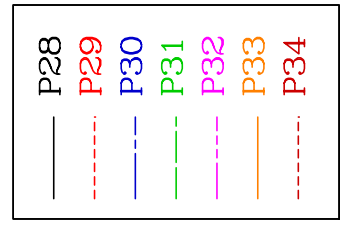
Incident Energy (MeV)

71-Lu-180

MAT 7140

Elastic Legendre Coefficients

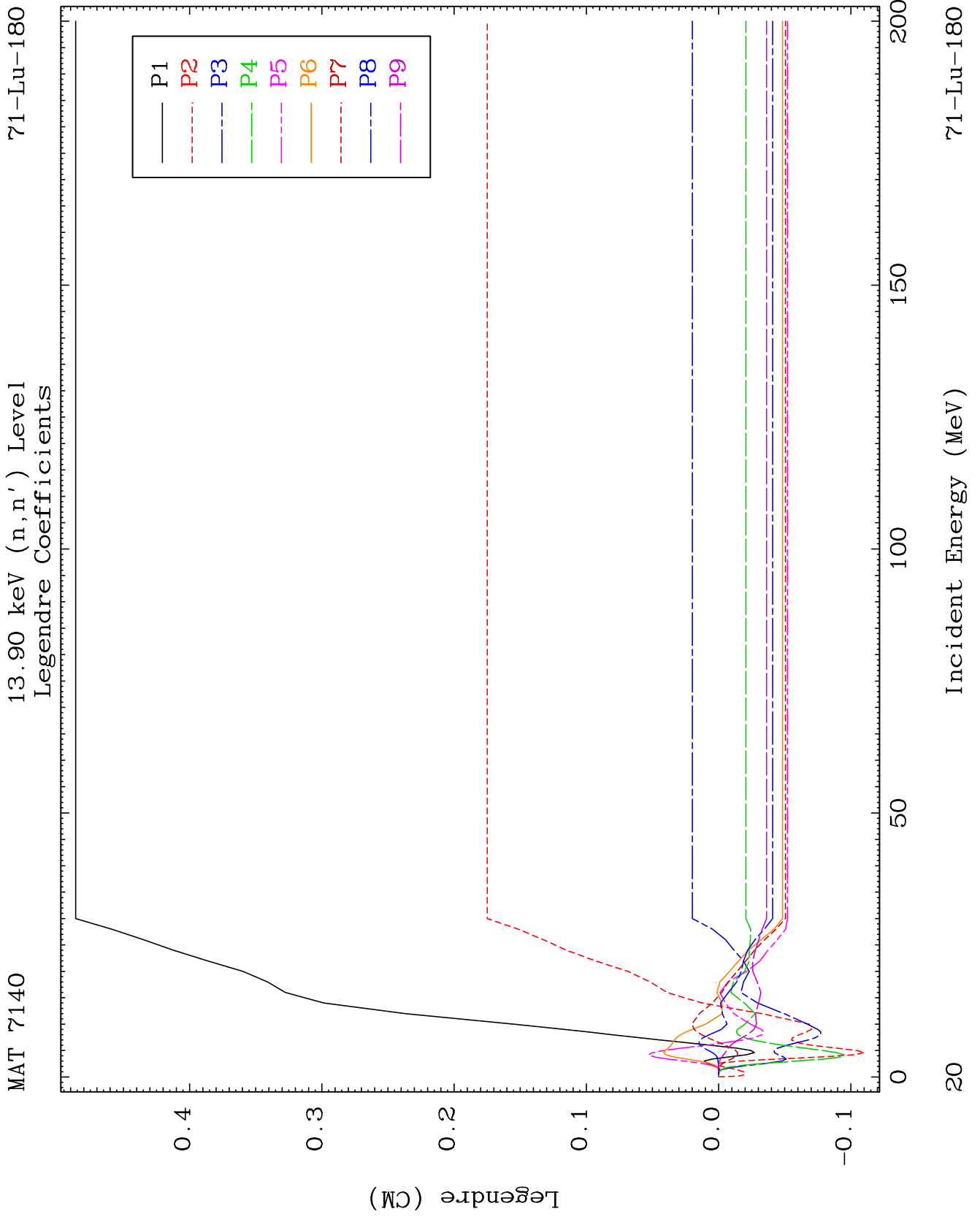
⁷¹Lu-180

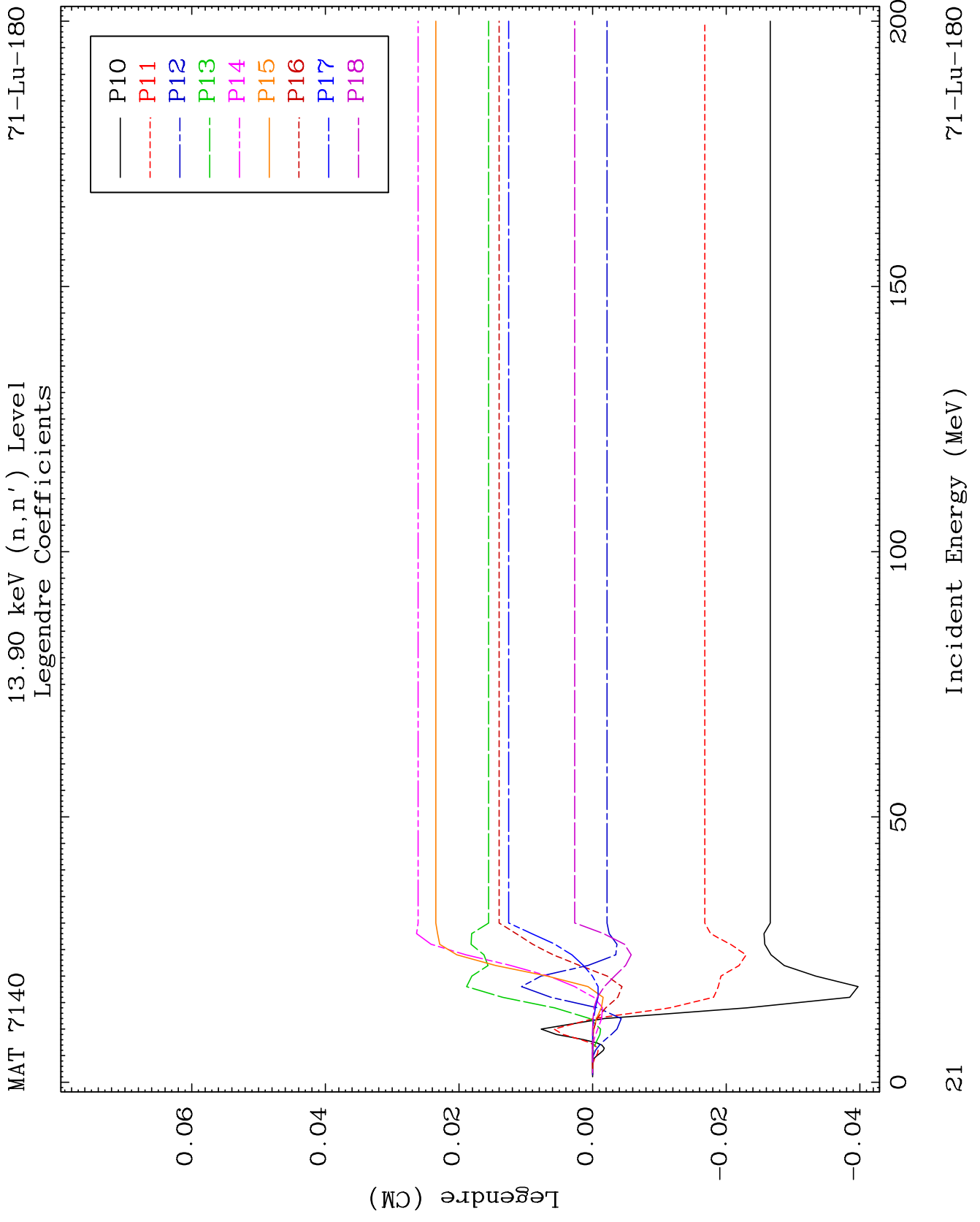


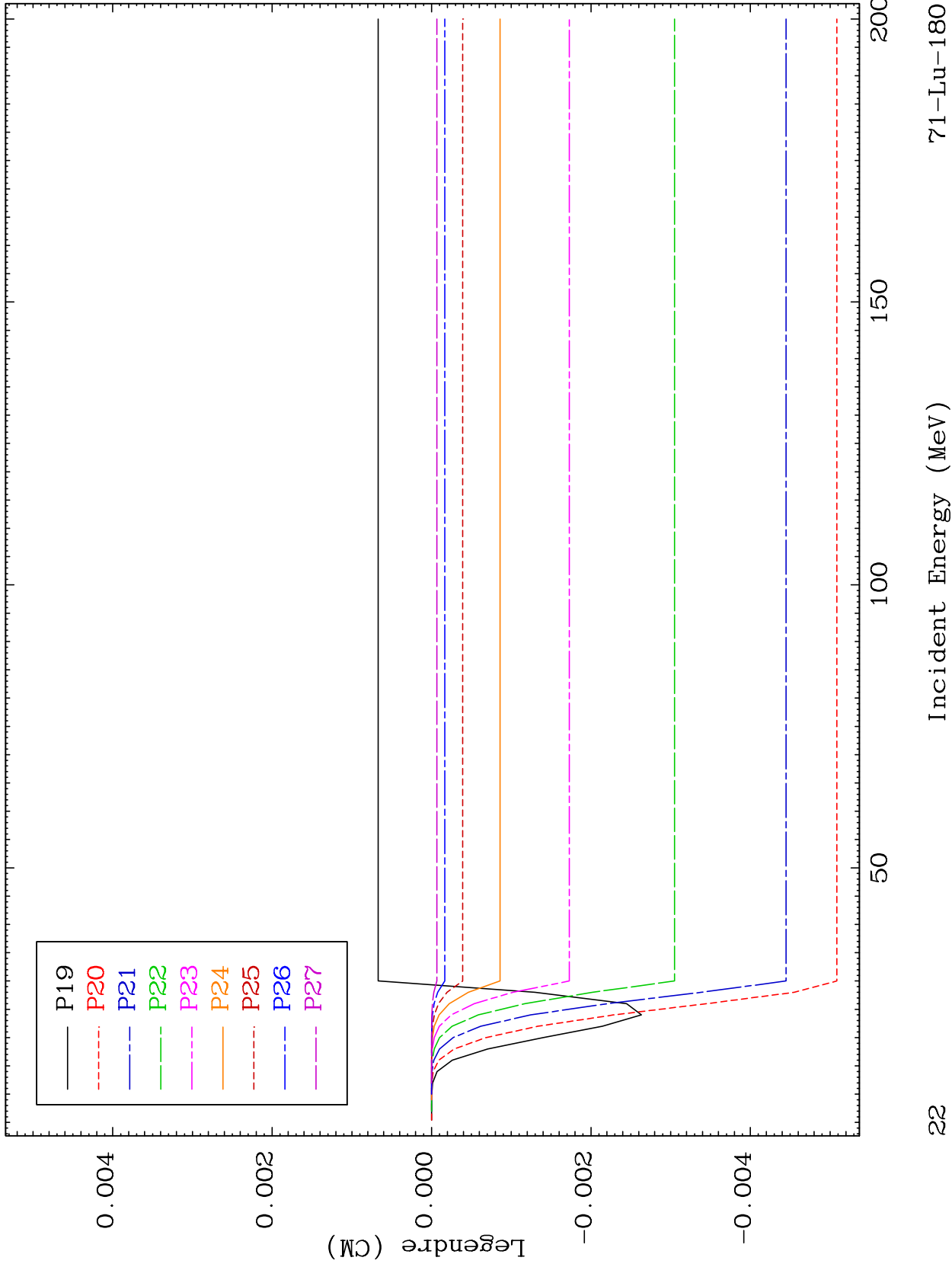
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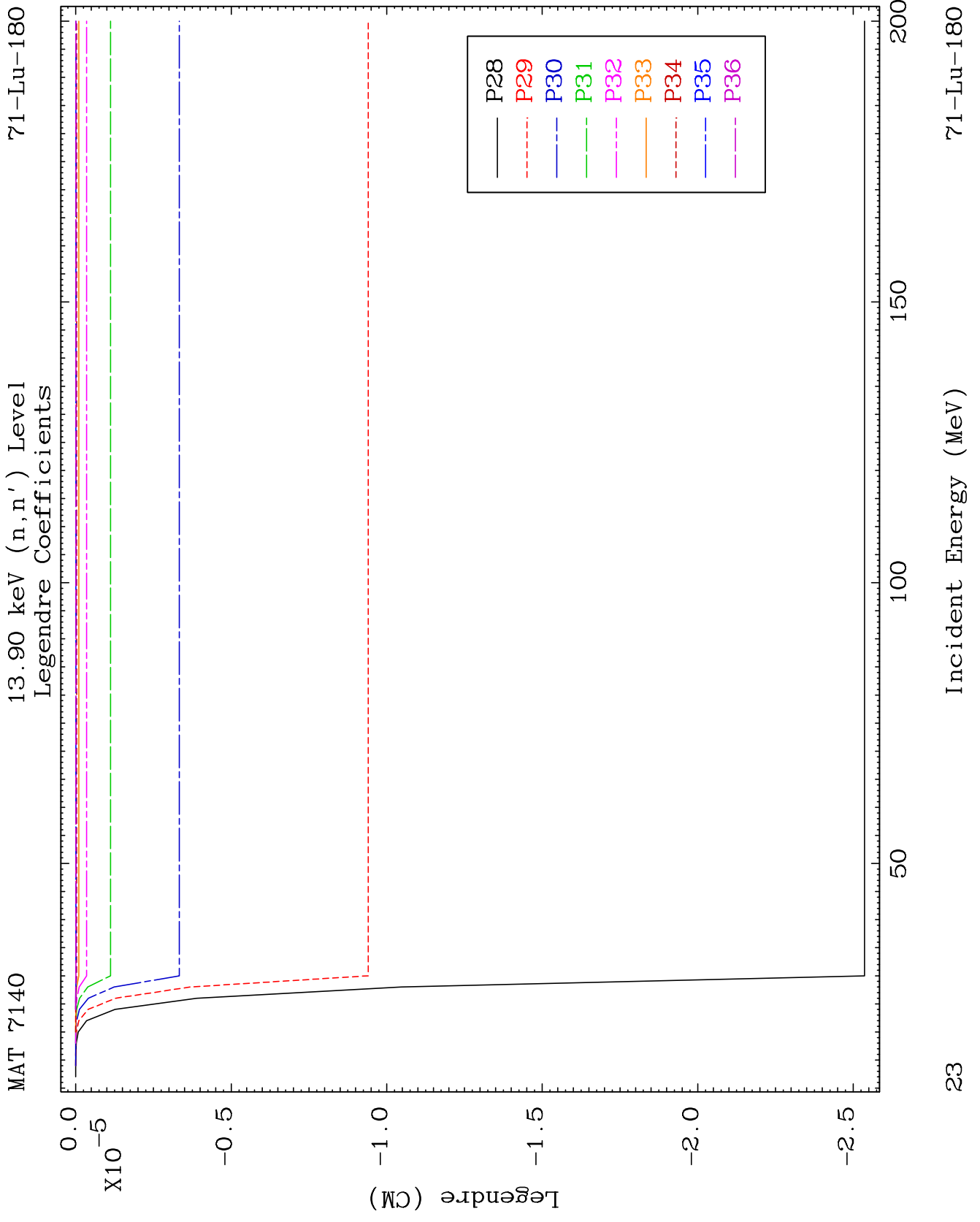
Incident Energy (MeV)

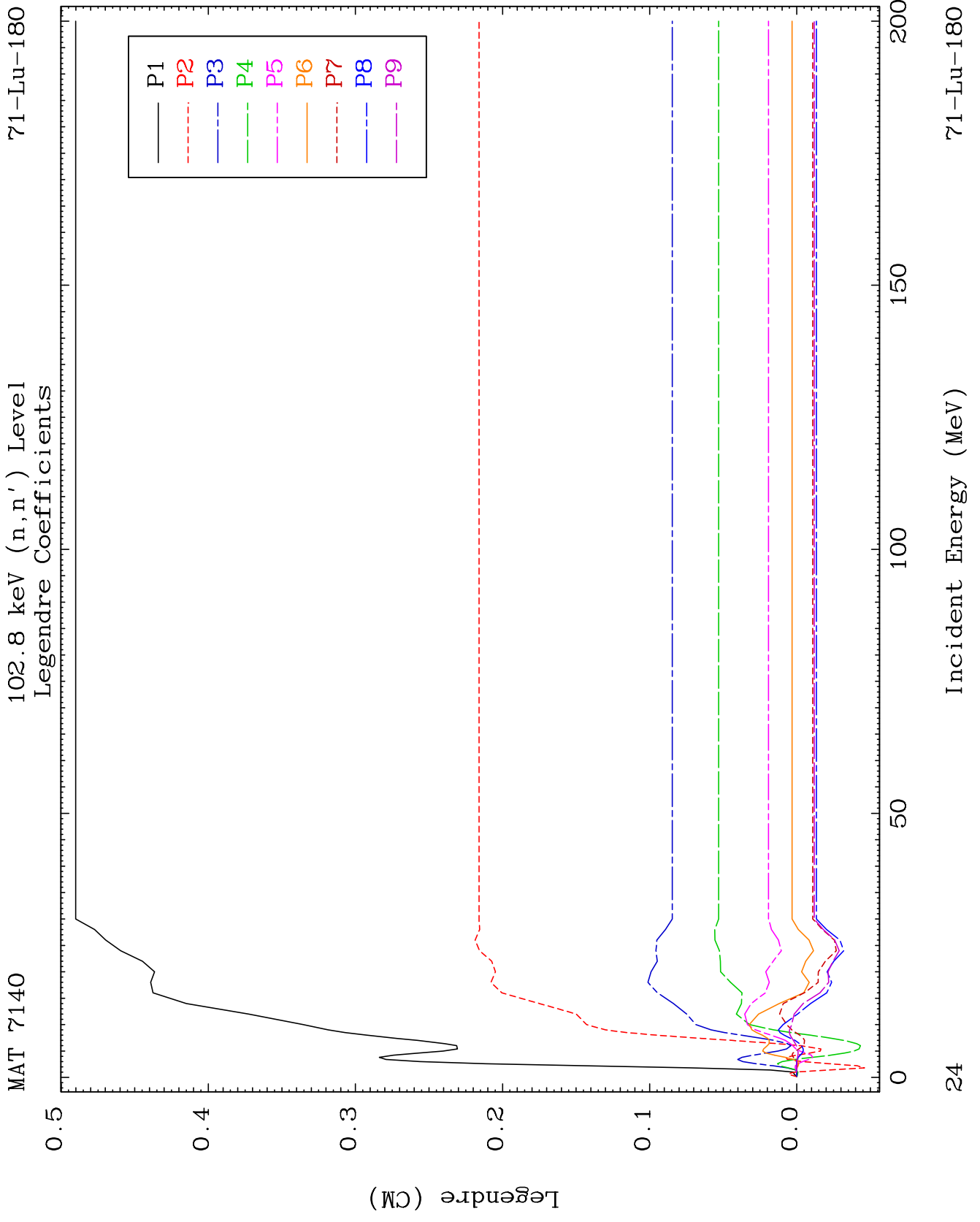
⁷¹Lu-180

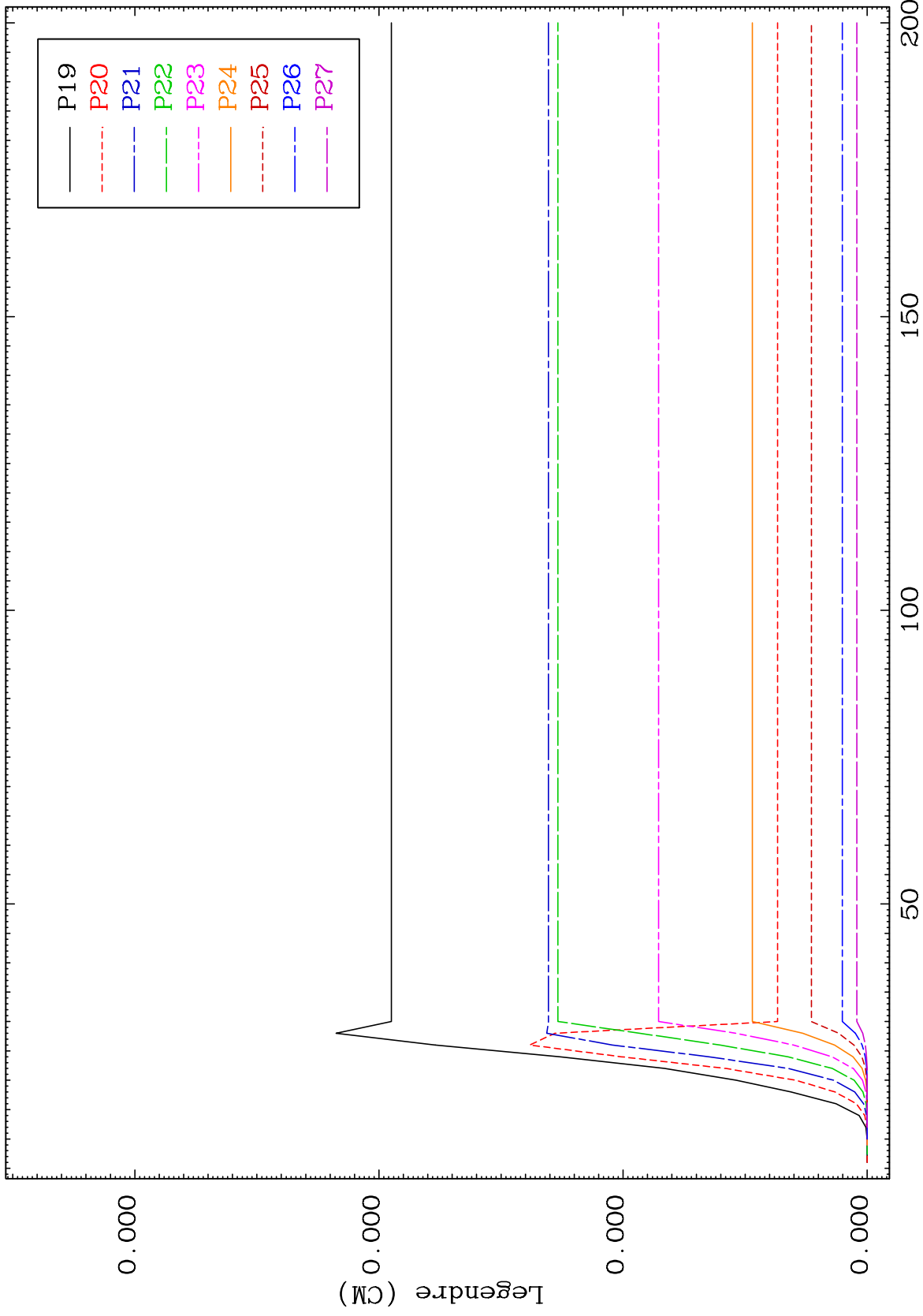


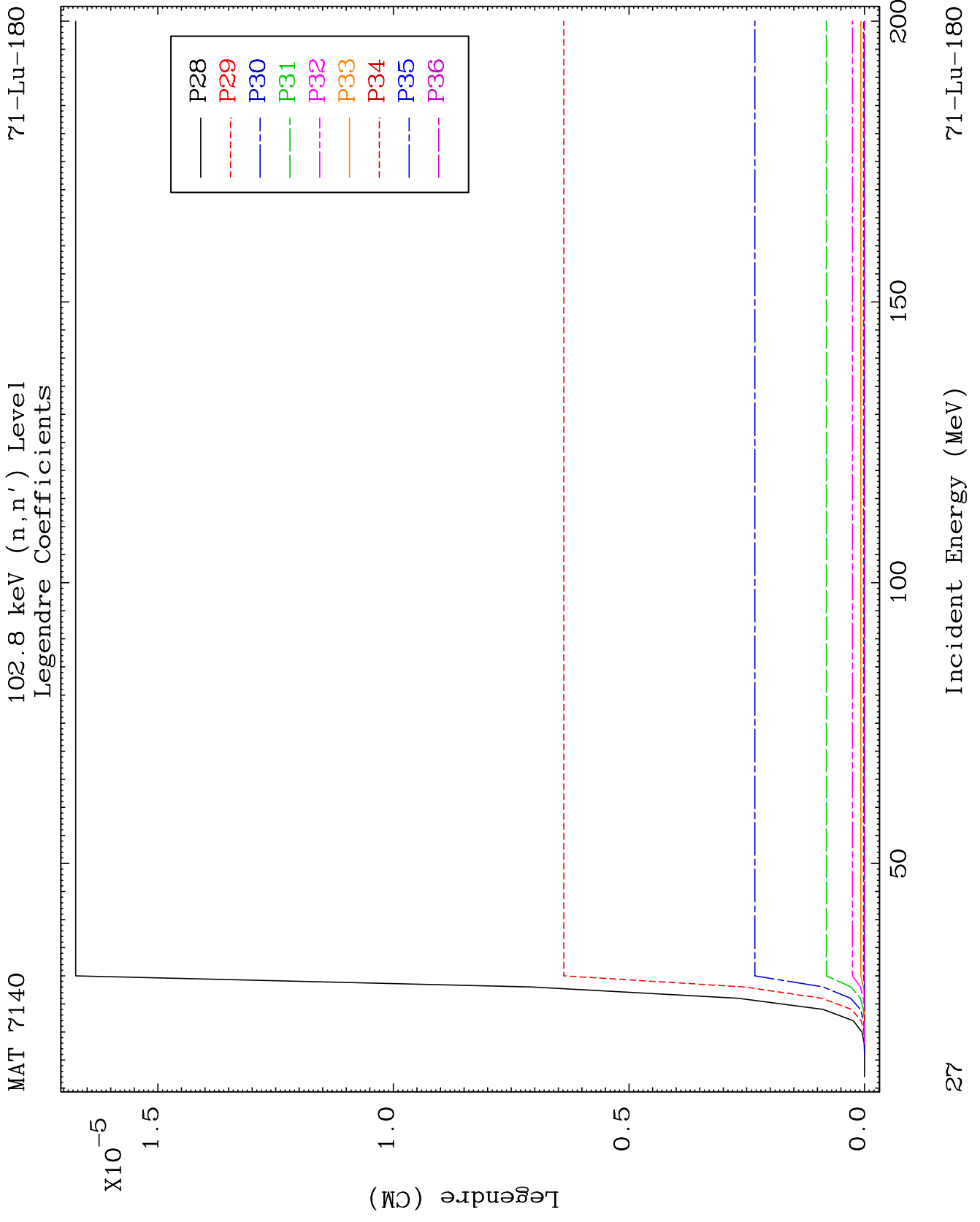


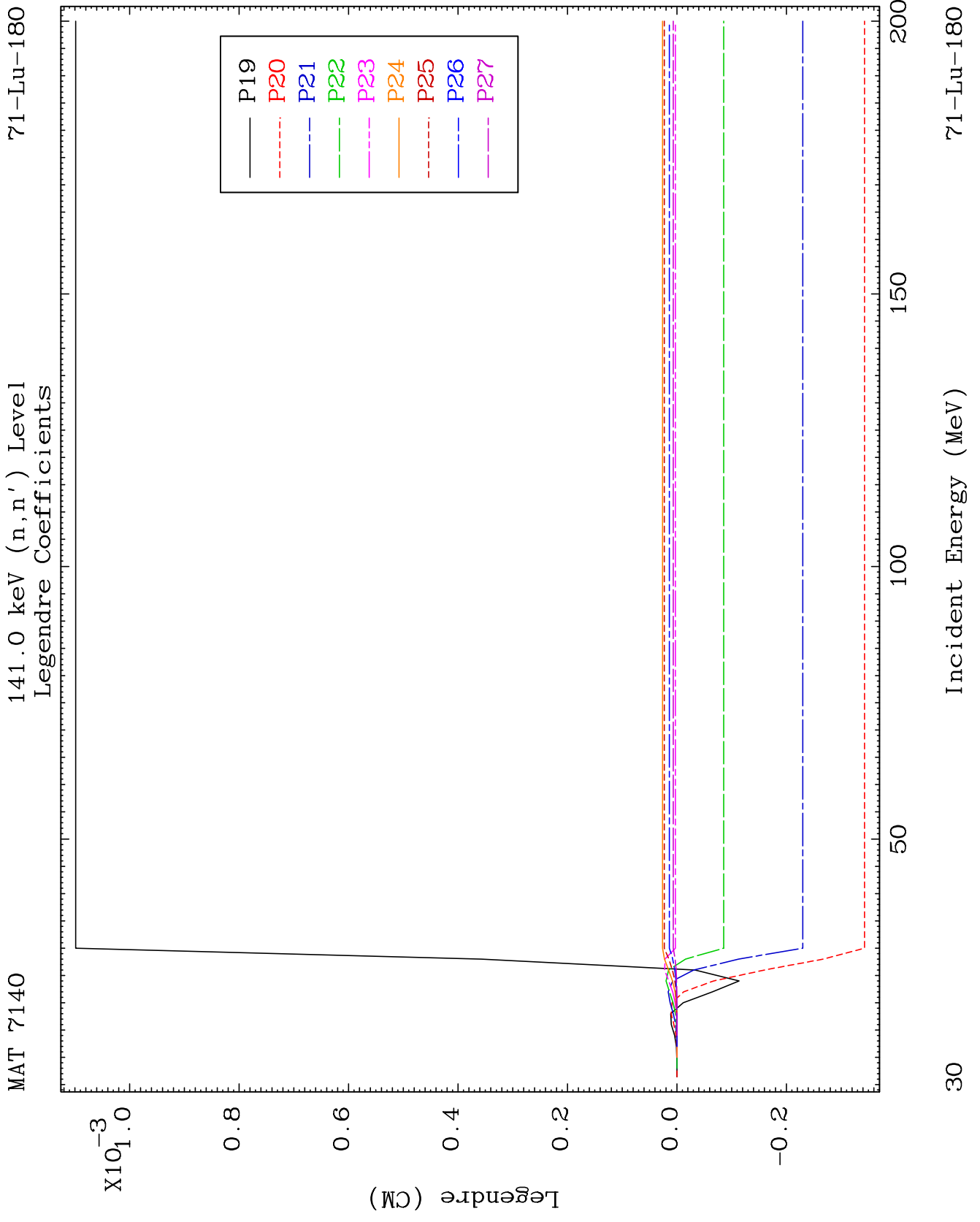


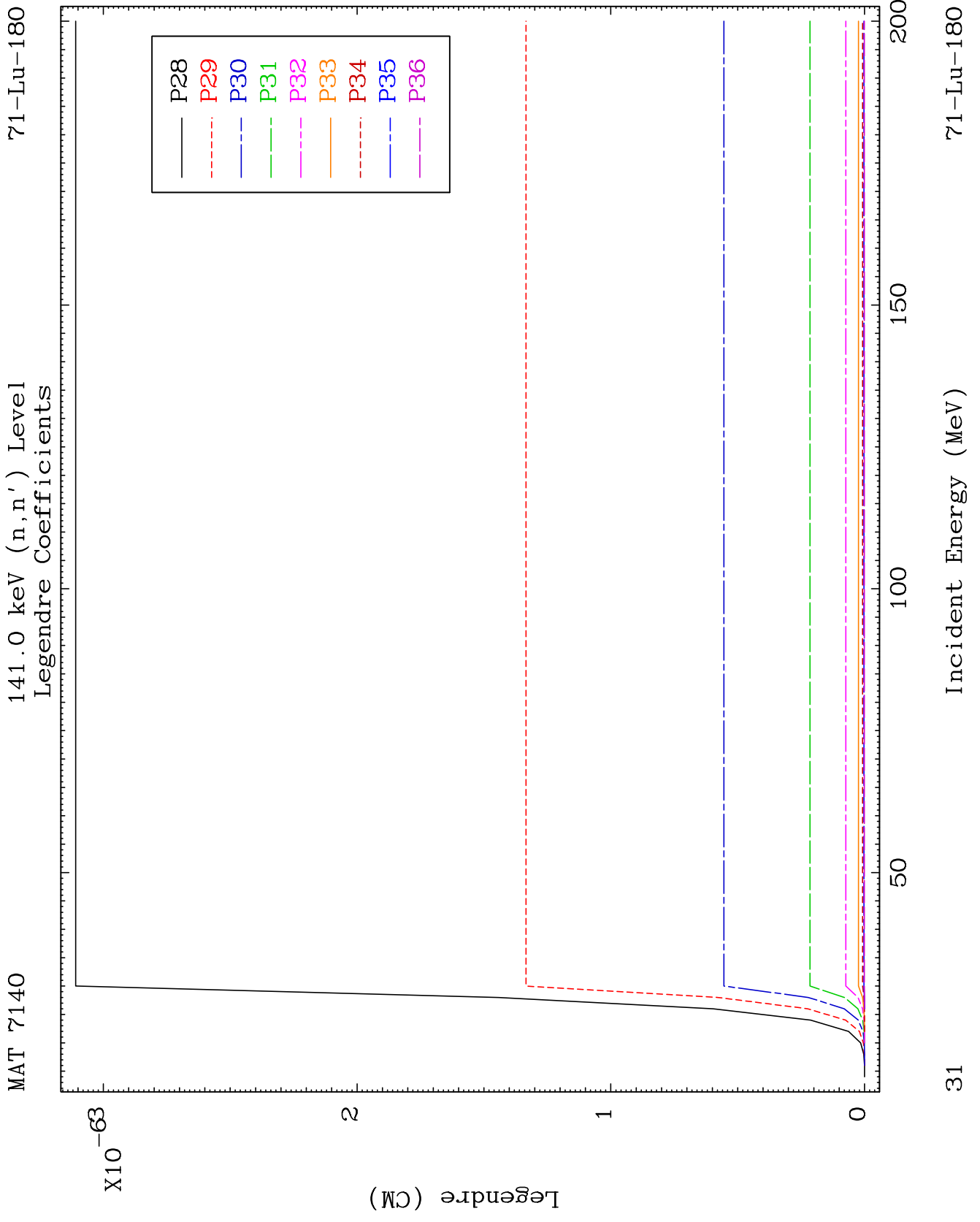








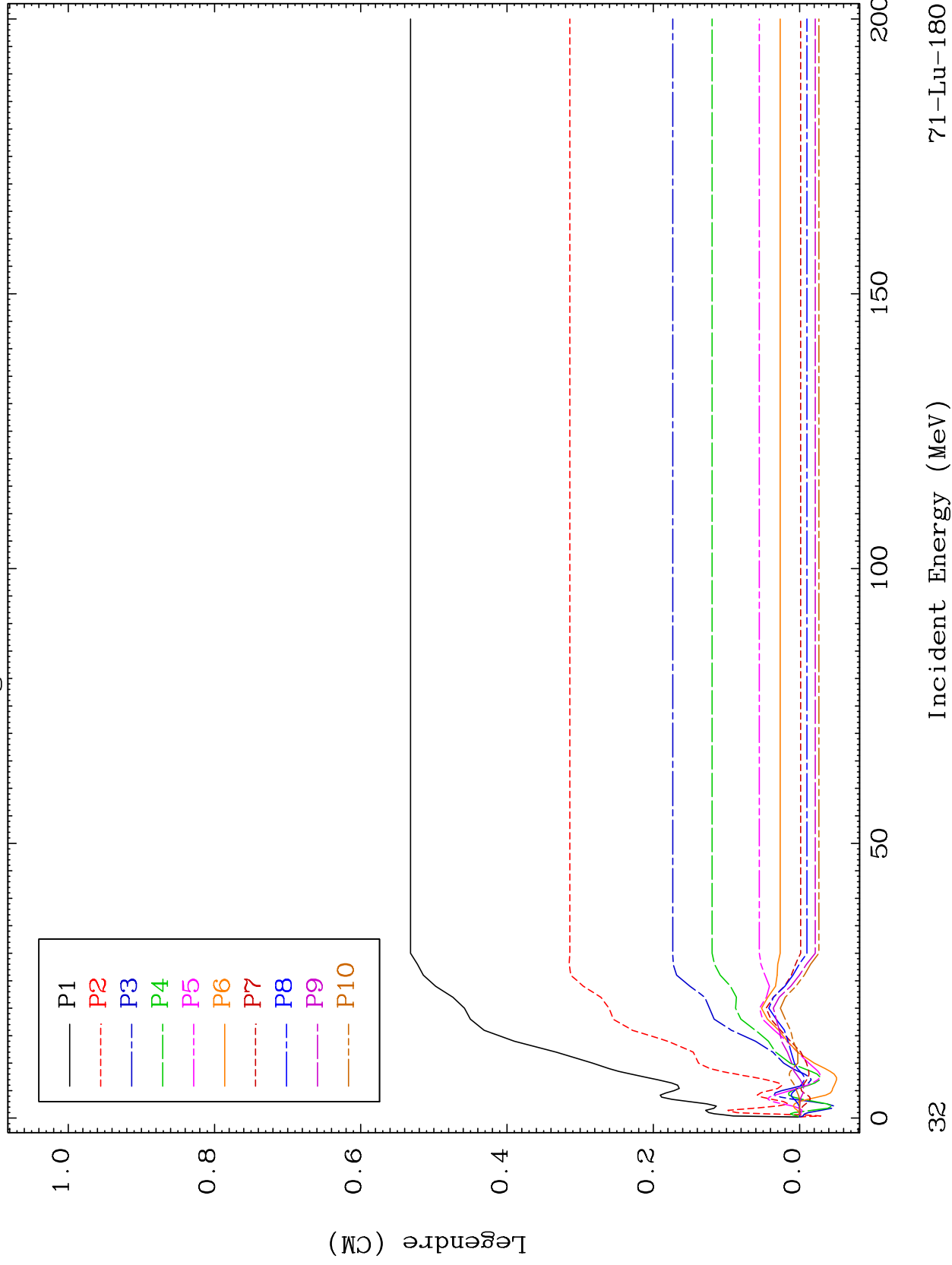




MAT 7140

186.8 keV (n, n') Level
Legendre Coefficients

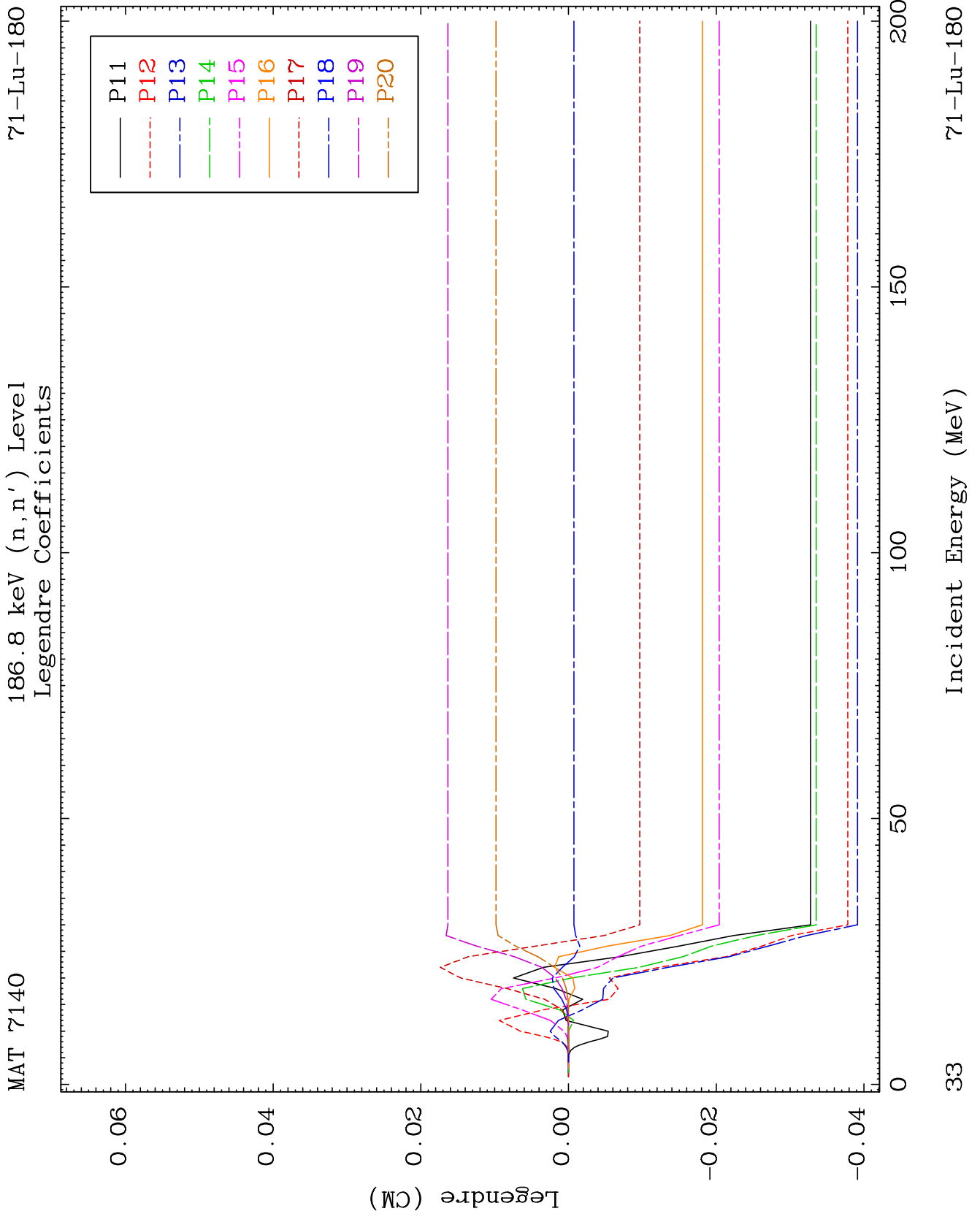
⁷¹Lu-180



⁷¹Lu-180

Incident Energy (MeV)

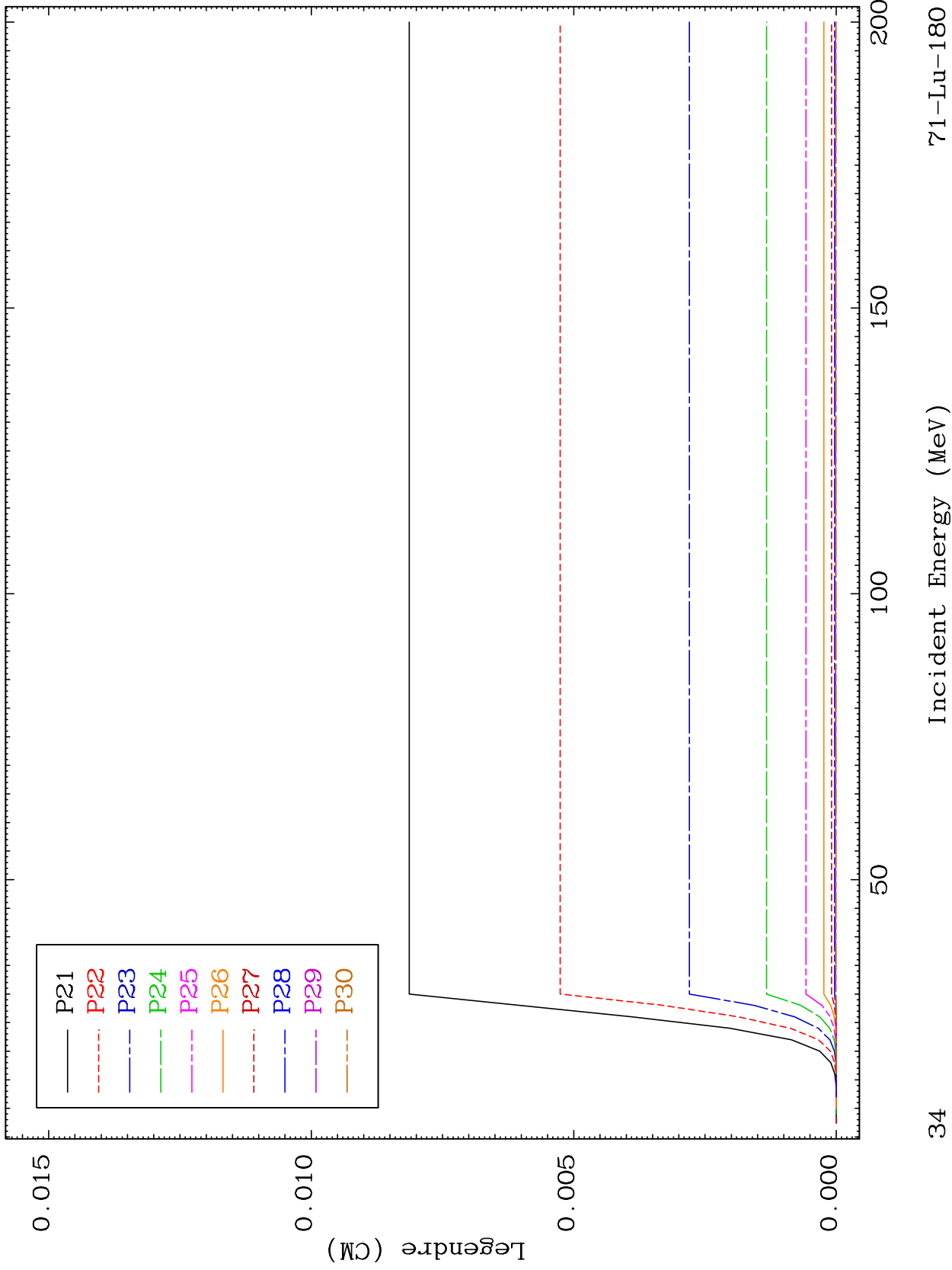
32



MAT 7140

186.8 keV (n,n') Level
Legendre Coefficients

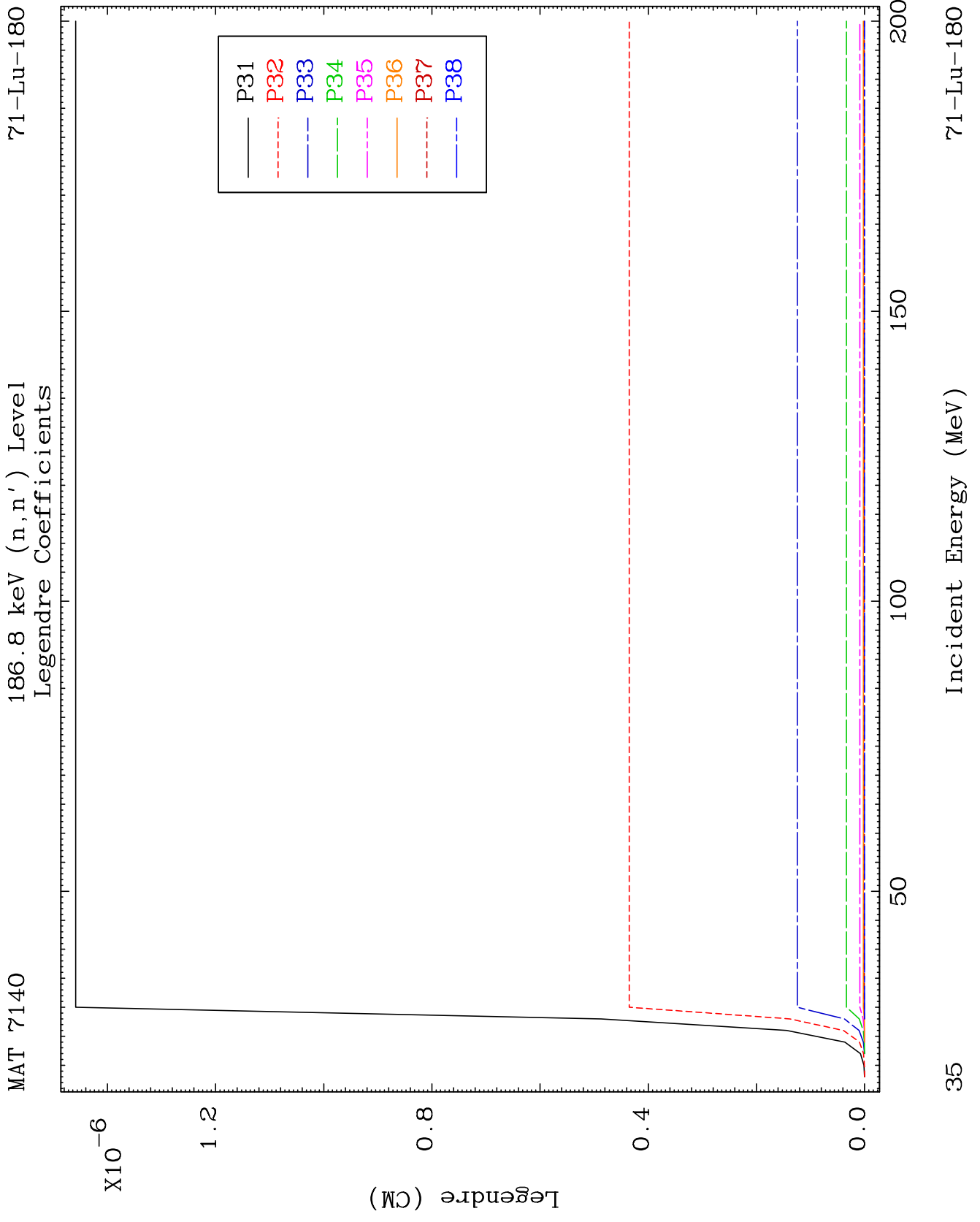
71-Lu-180

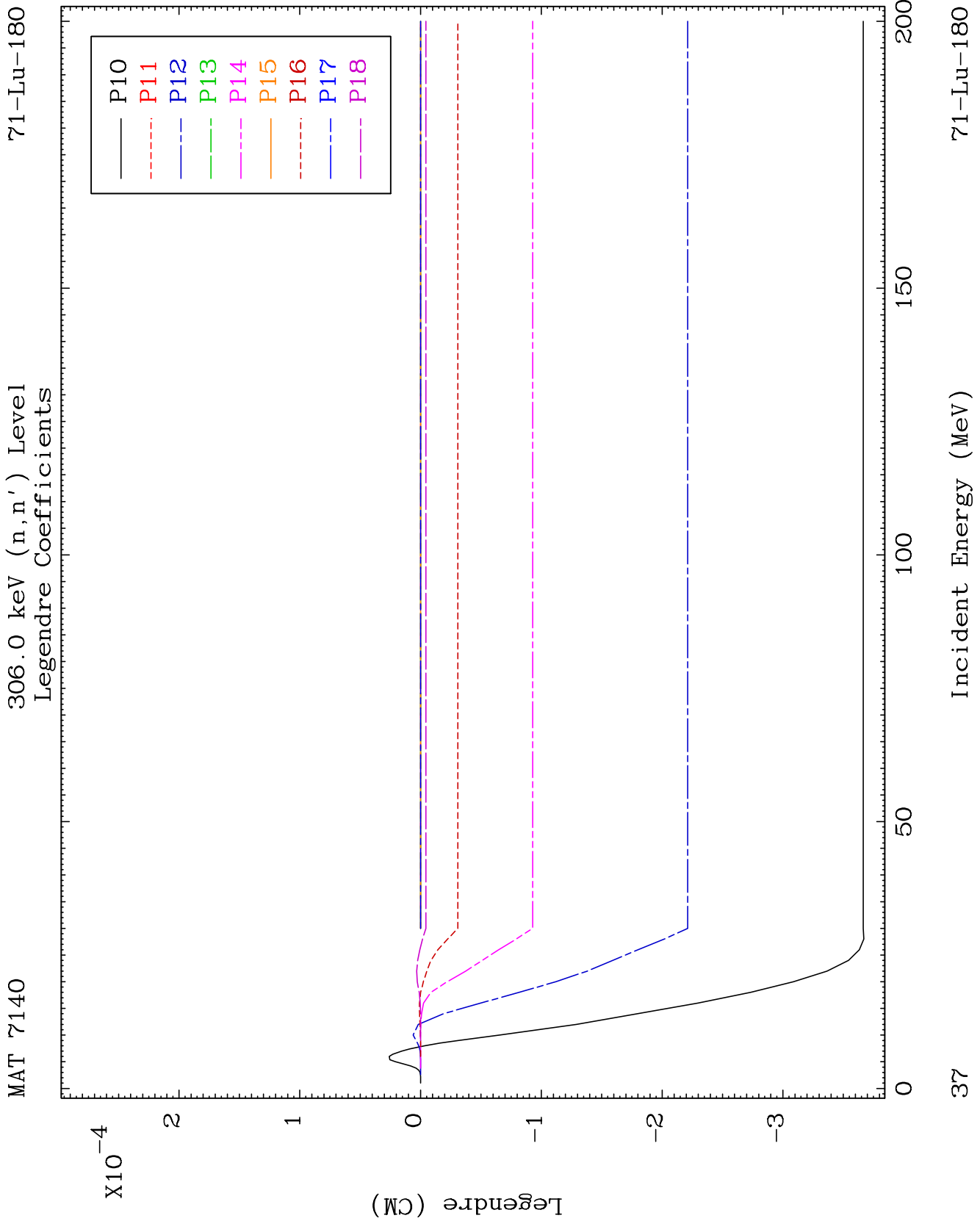


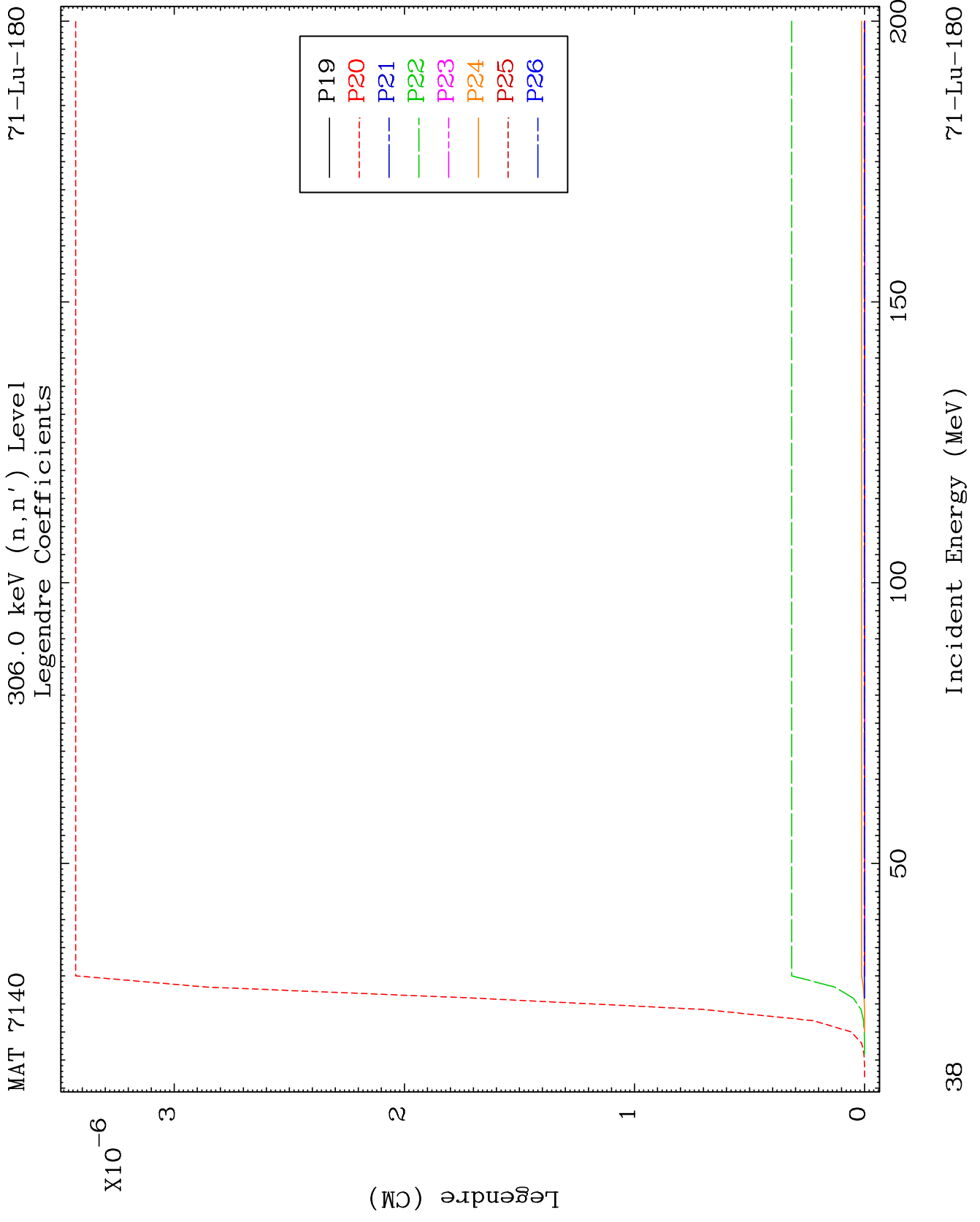
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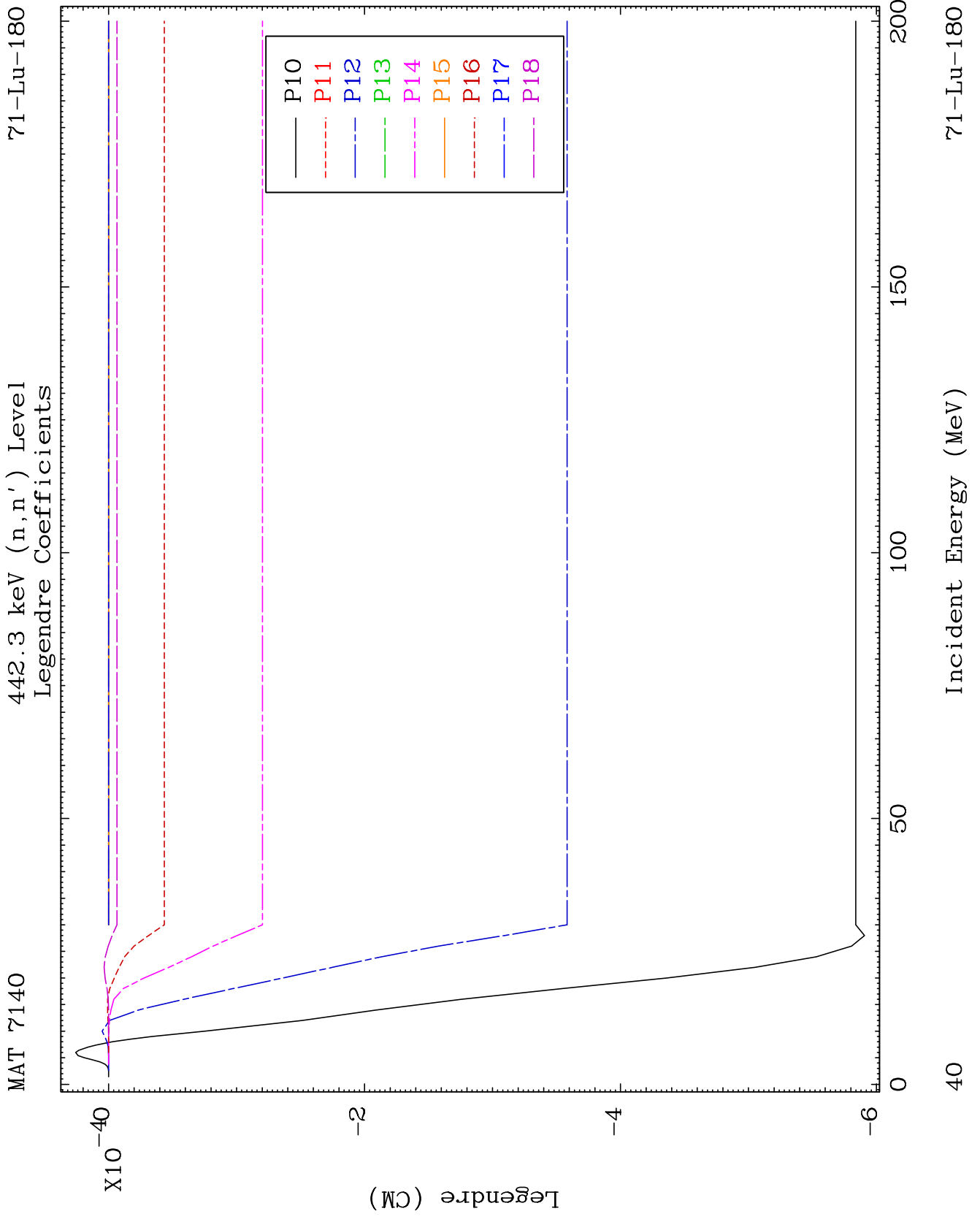
Incident Energy (MeV)

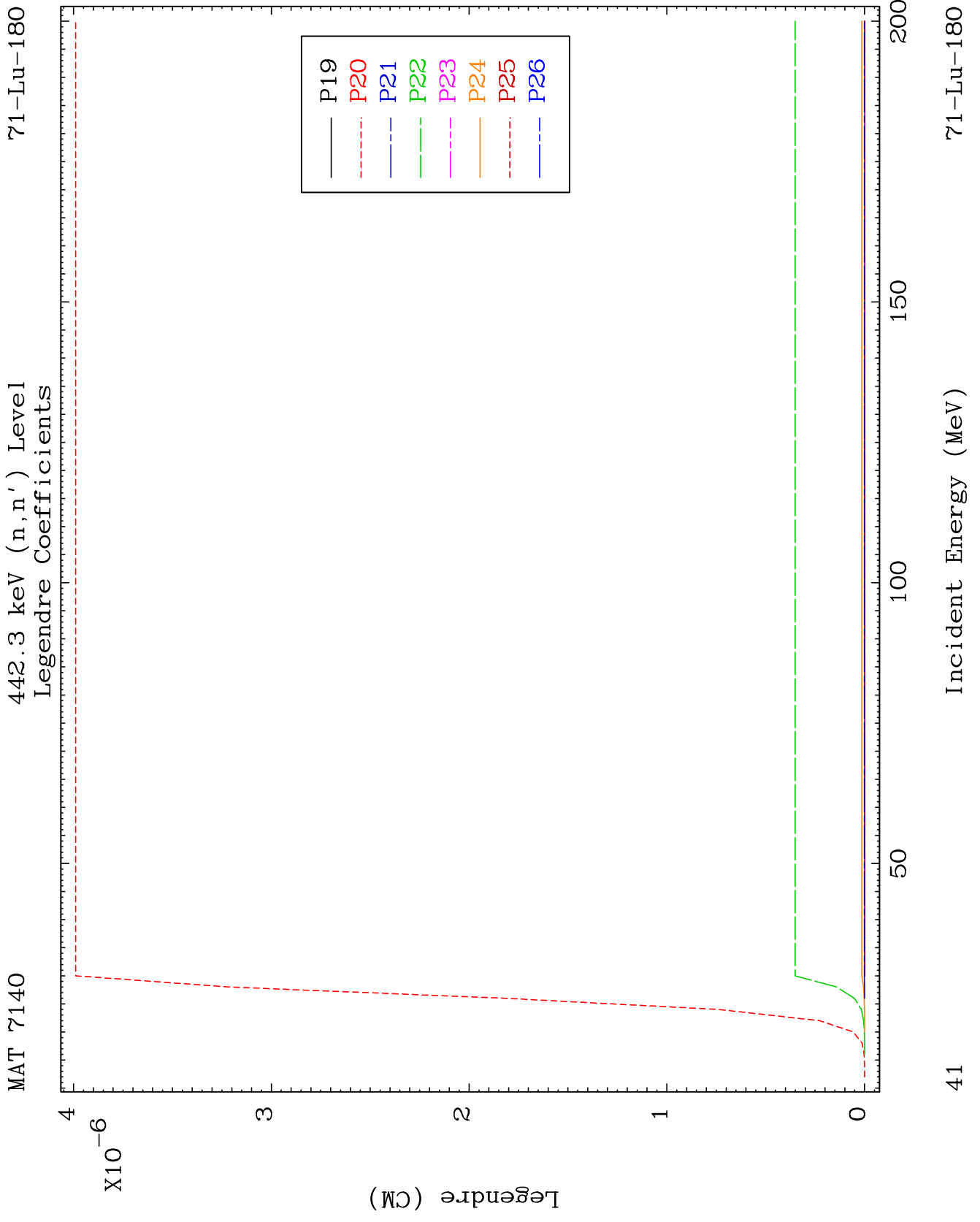
71-Lu-180







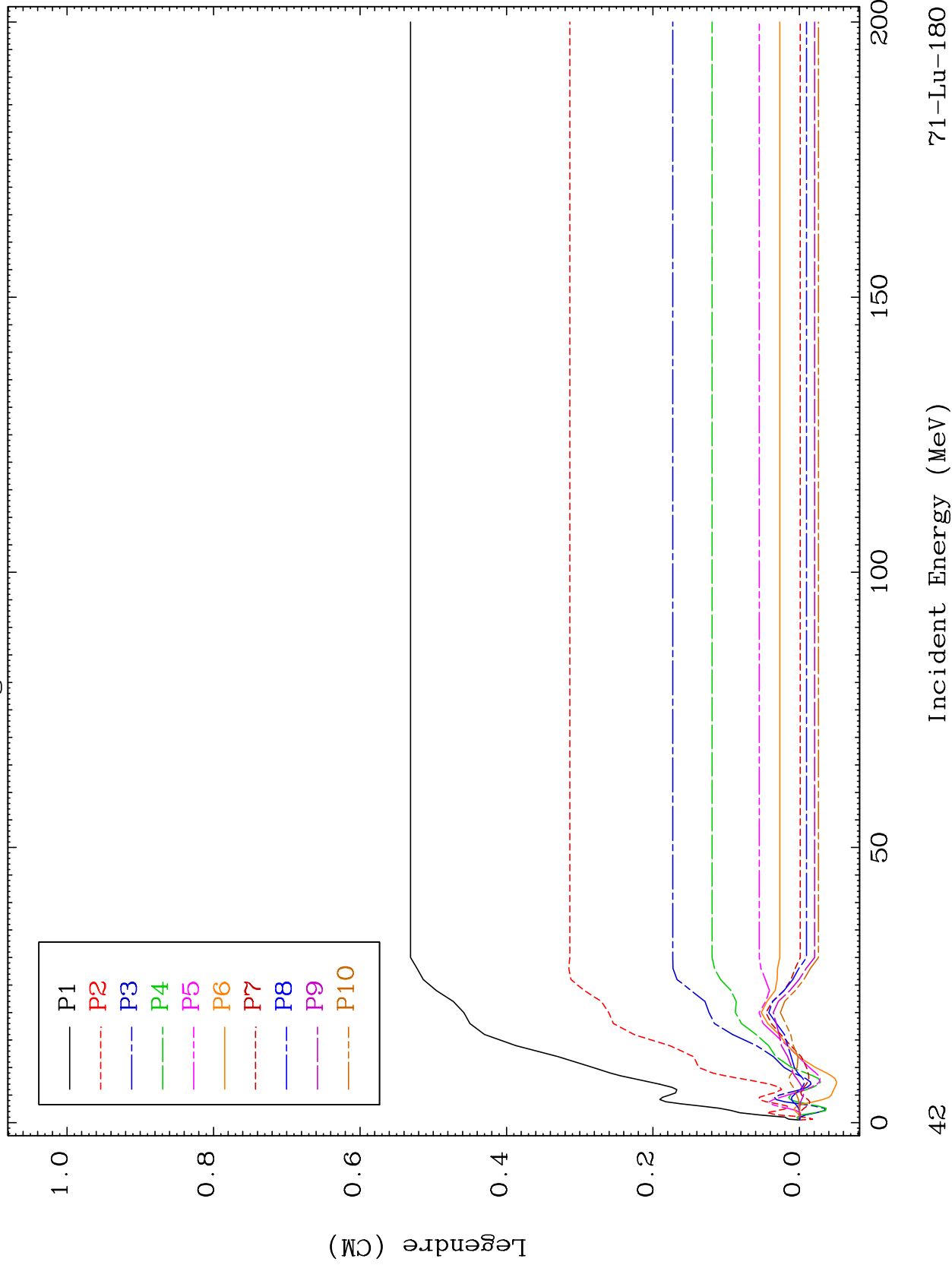




MAT 7140

453.2 keV (n, n') Level
Legendre Coefficients

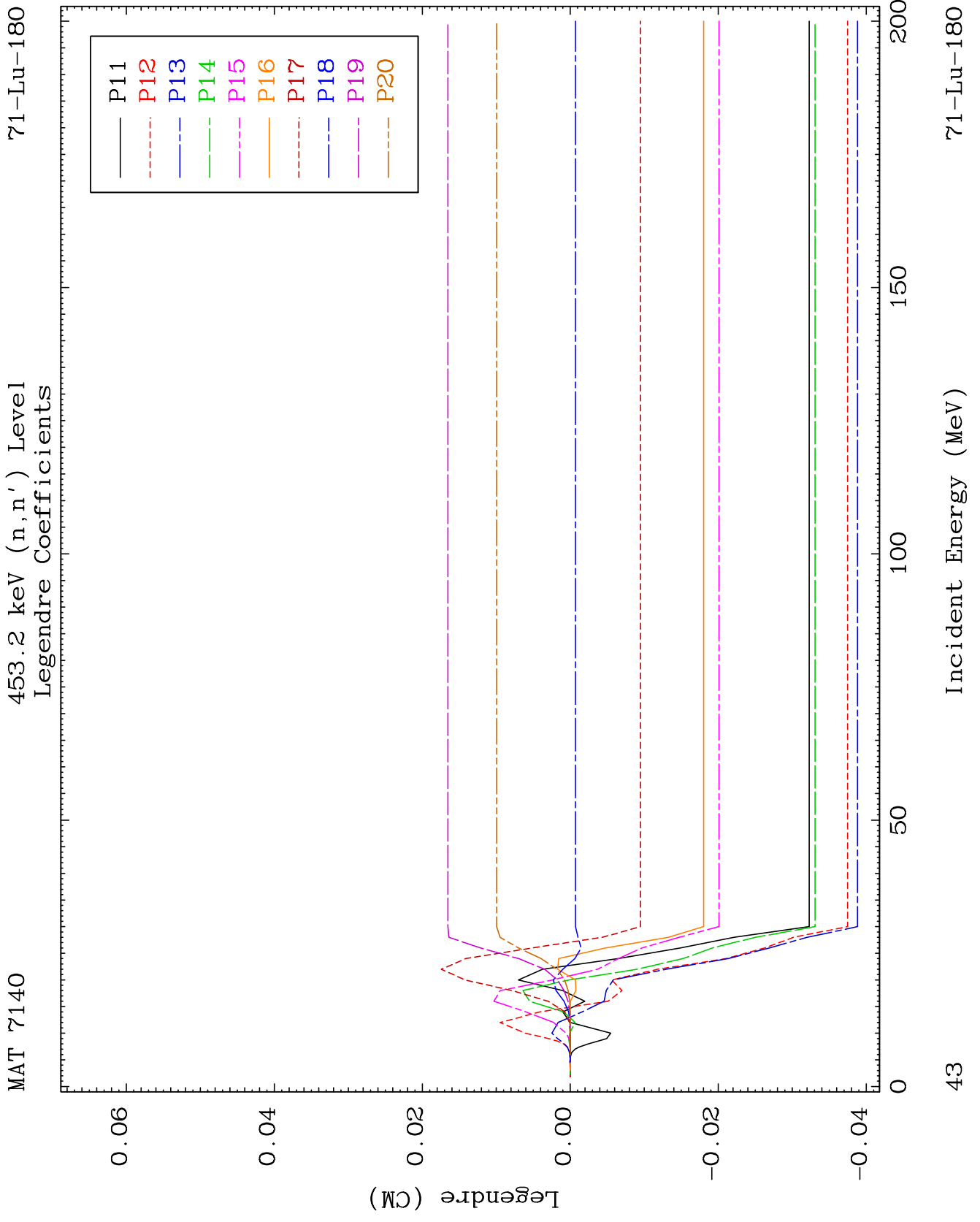
71-Lu-180



42

Incident Energy (MeV)

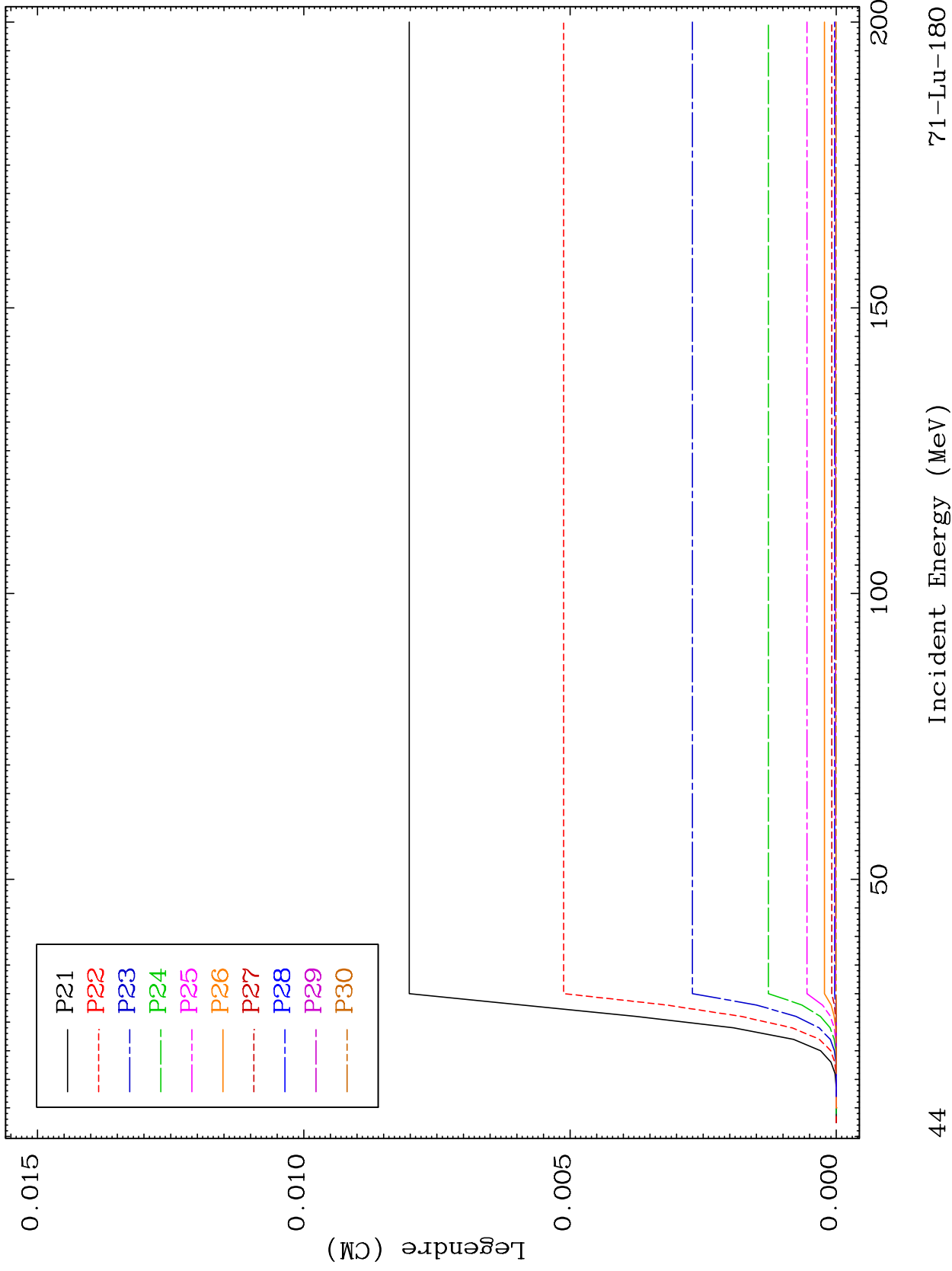
71-Lu-180



MAT 7140

453.2 keV (n, n') Level
Legendre Coefficients

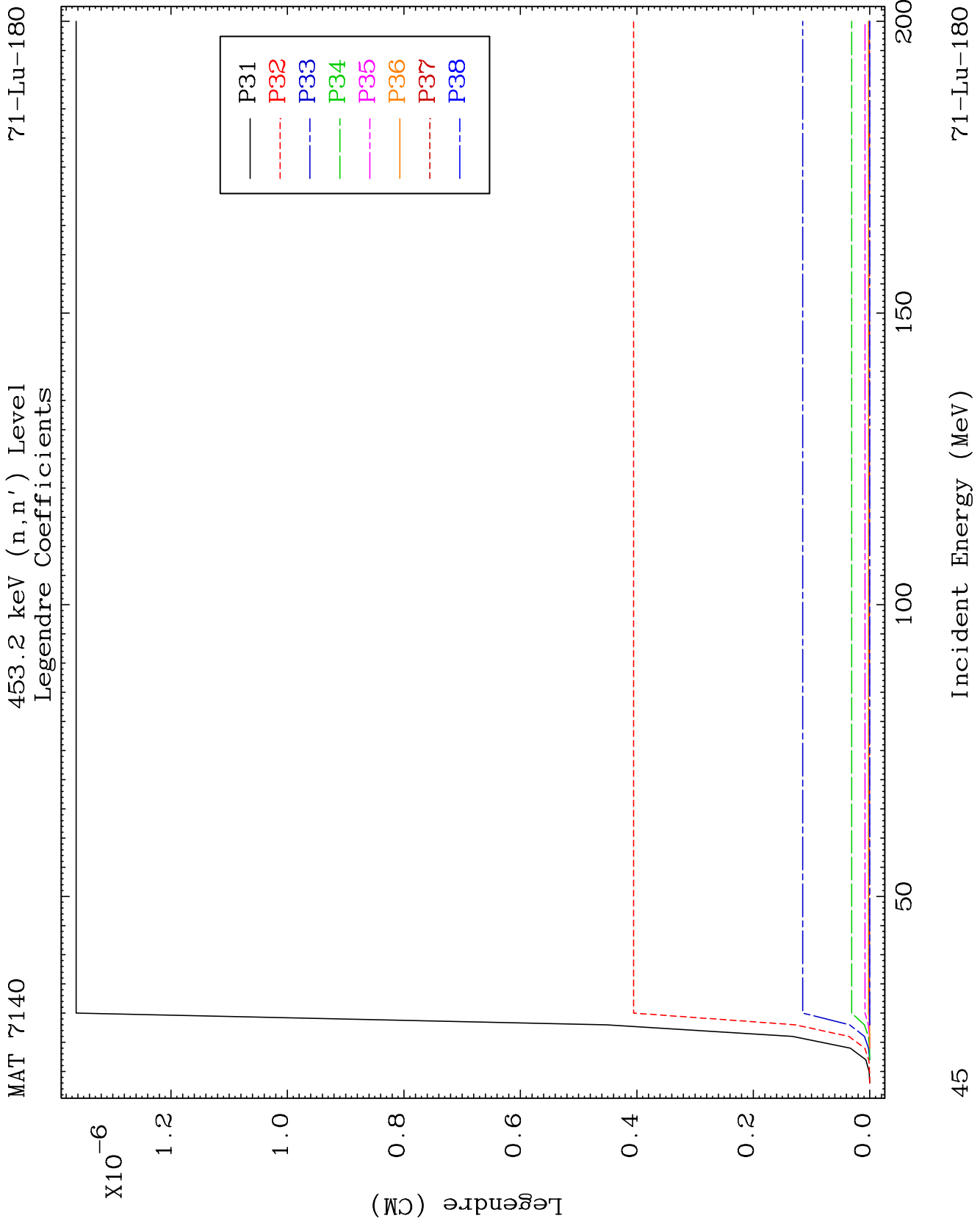
71-Lu-180

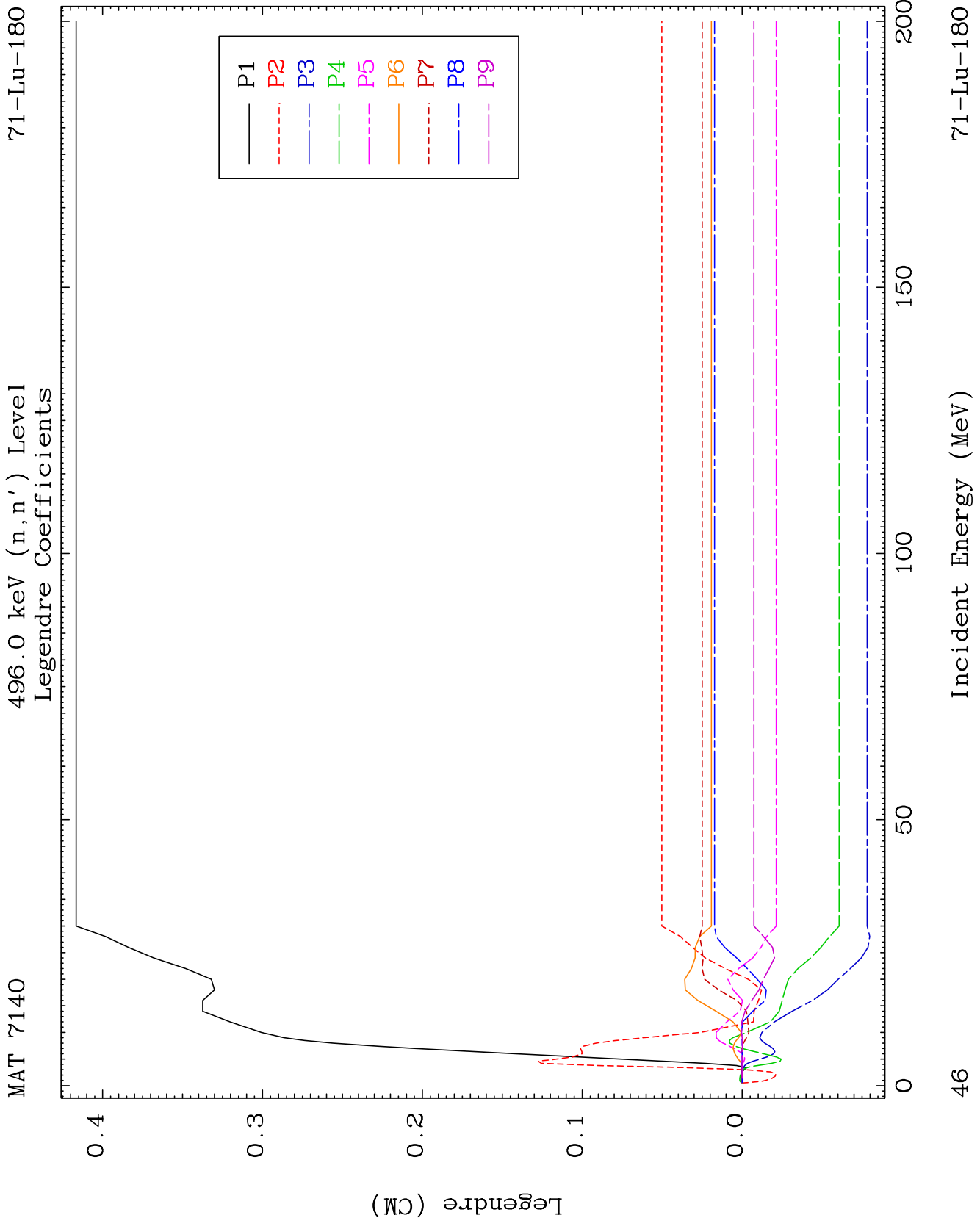


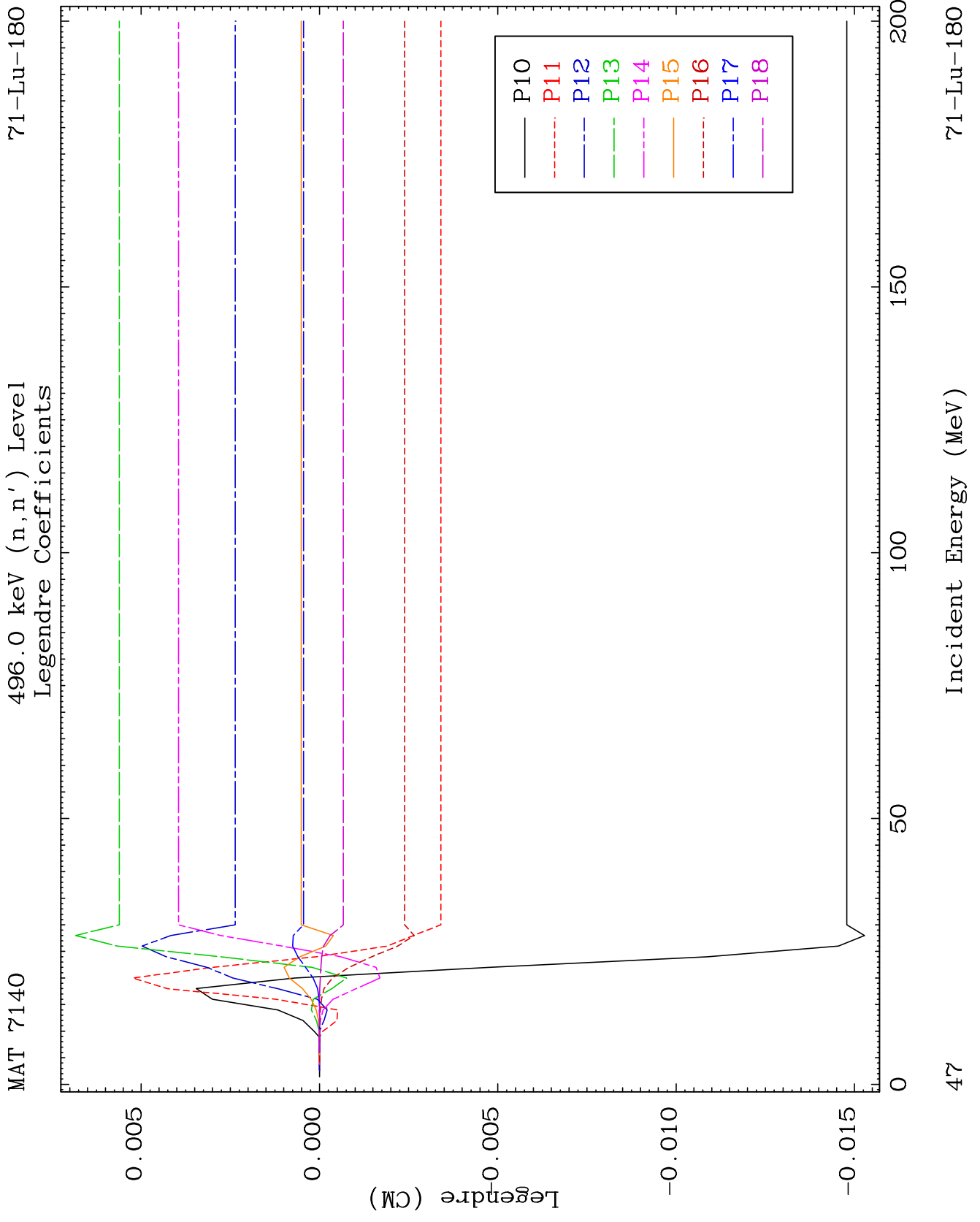
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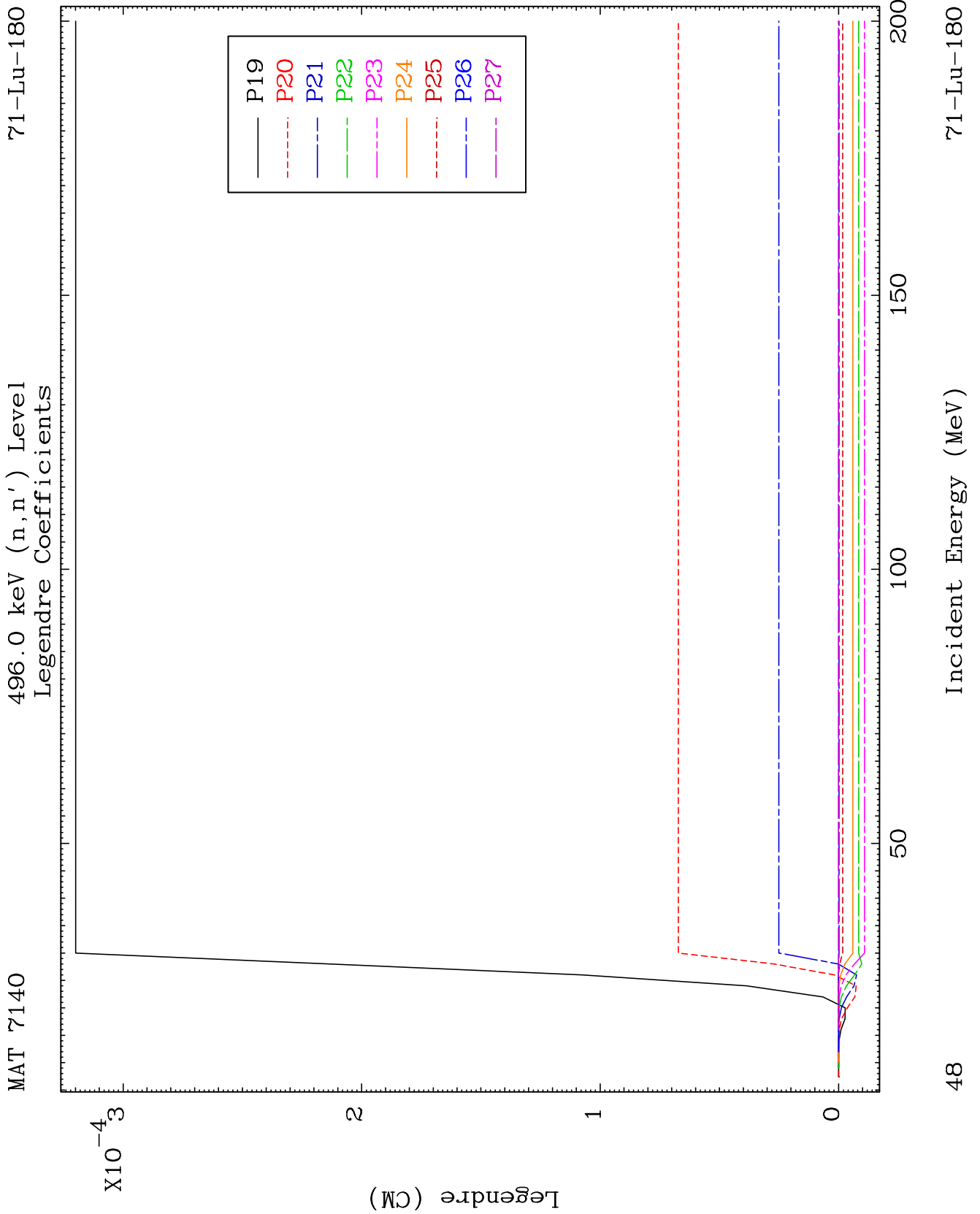
Incident Energy (MeV)

71-Lu-180





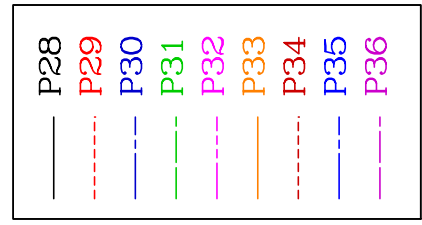




MAT 7140

496.0 keV (n,n') Level
Legendre Coefficients

71-Lu-180



$\times 10^{-7}$

1.5

Legendre (CM)

1.0

0.5

0.0

50

100

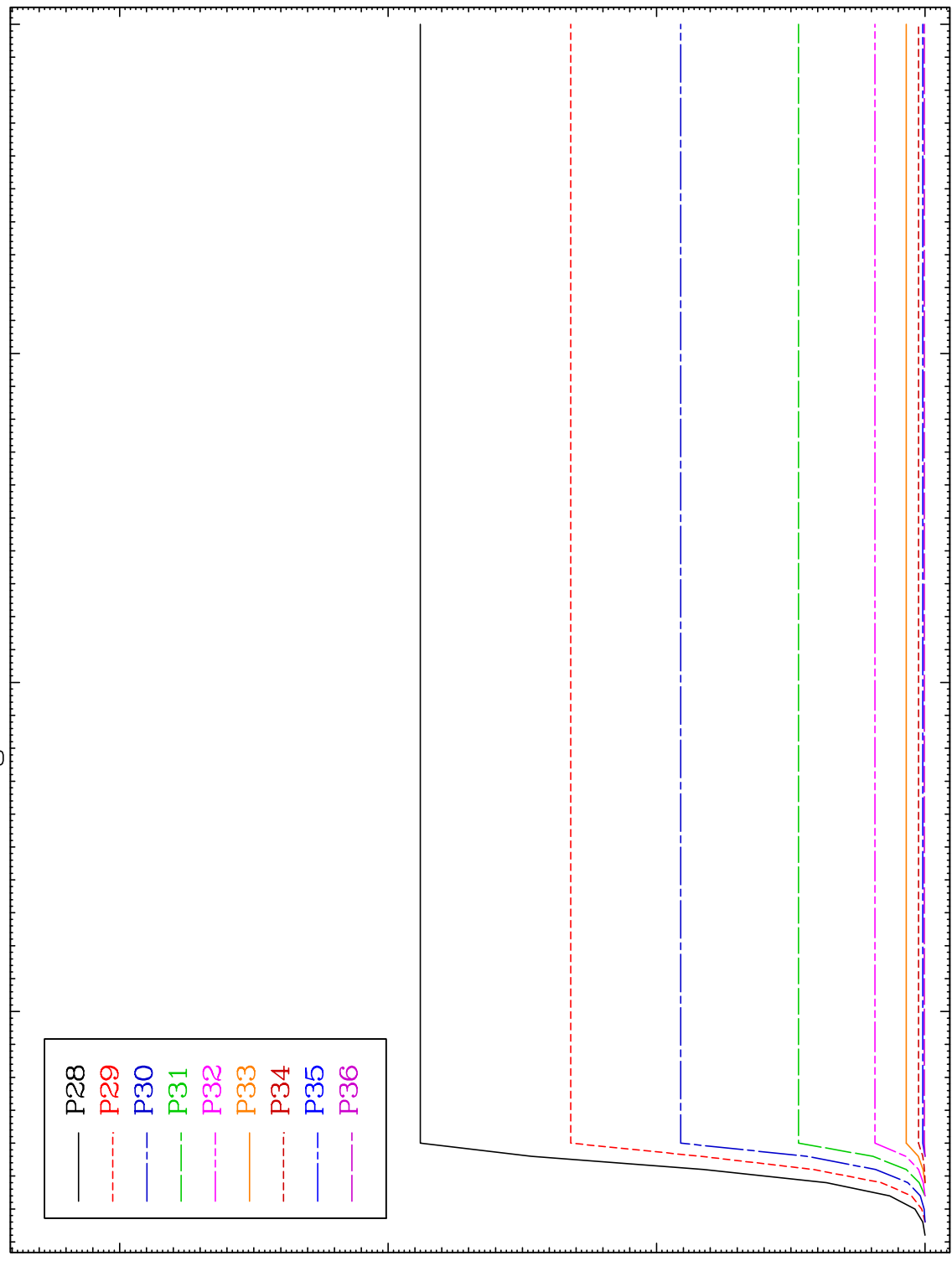
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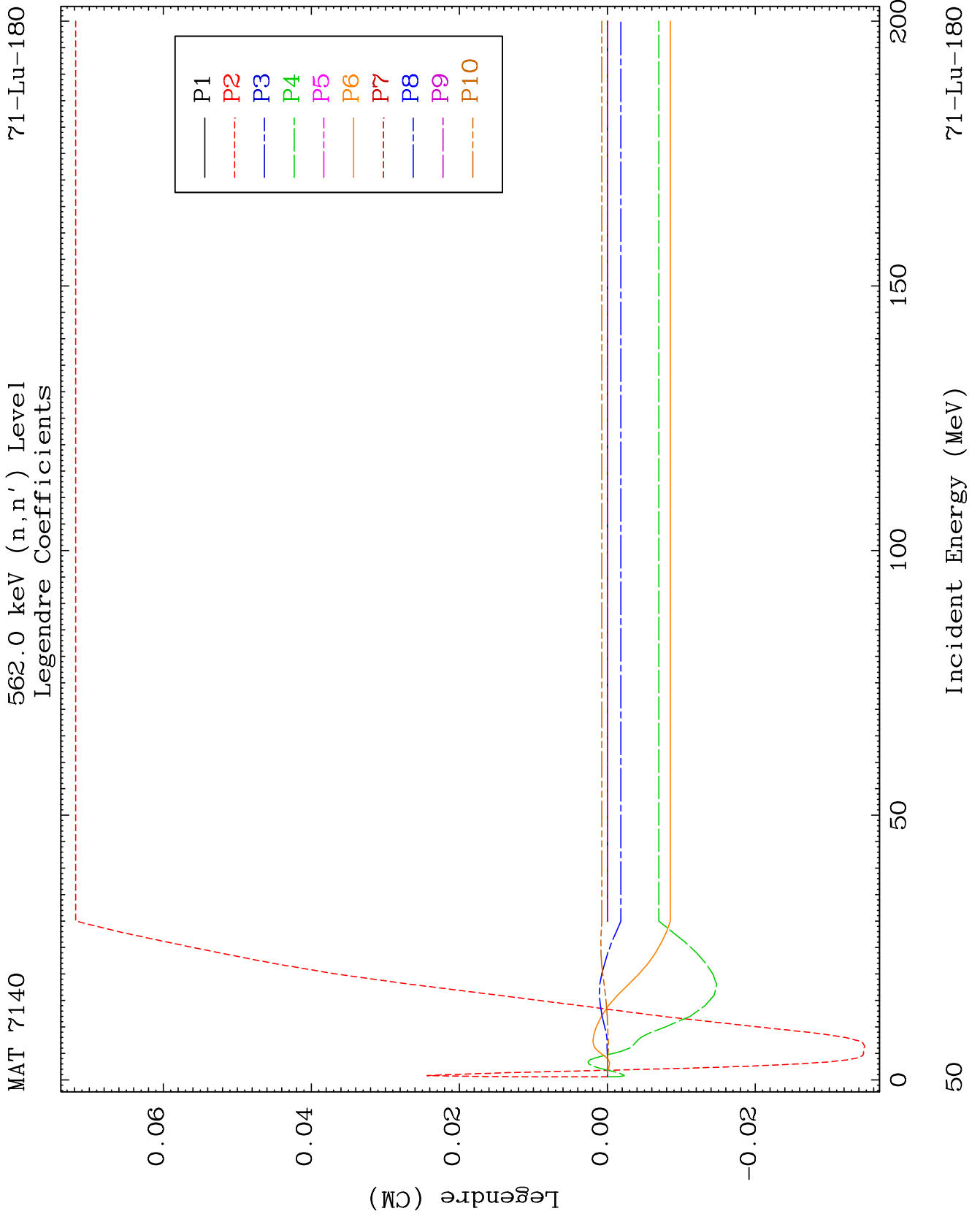
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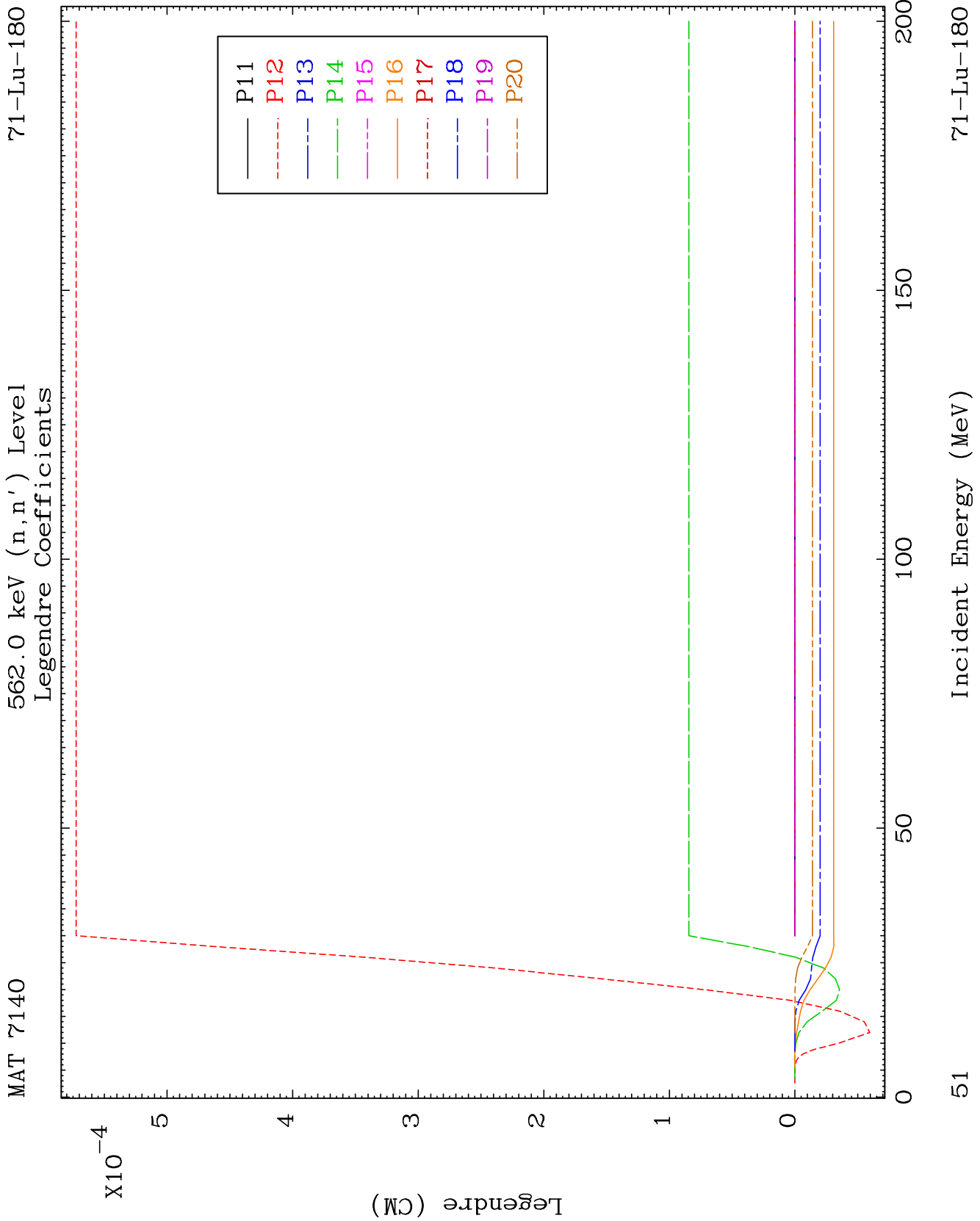
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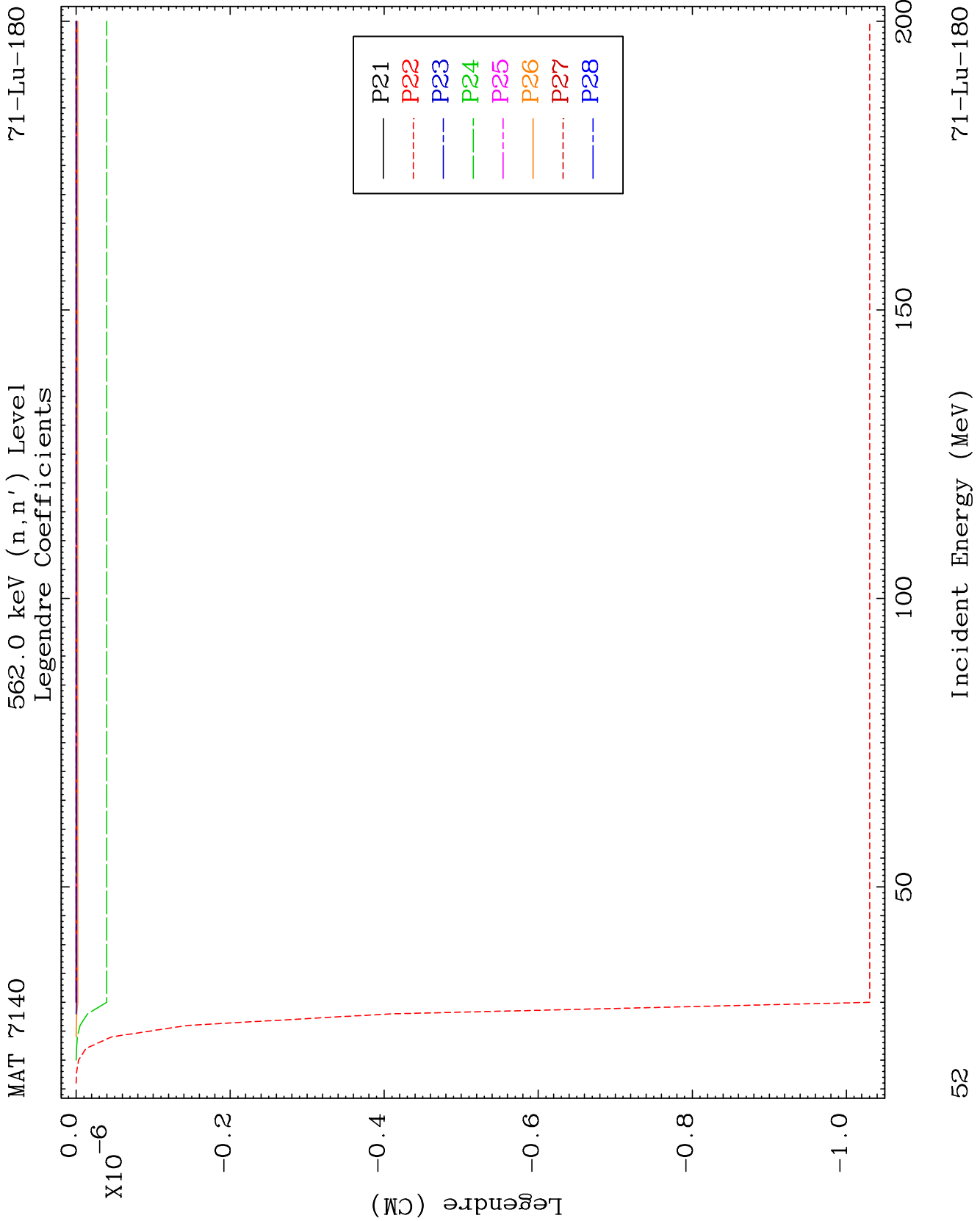
Incident Energy (MeV)

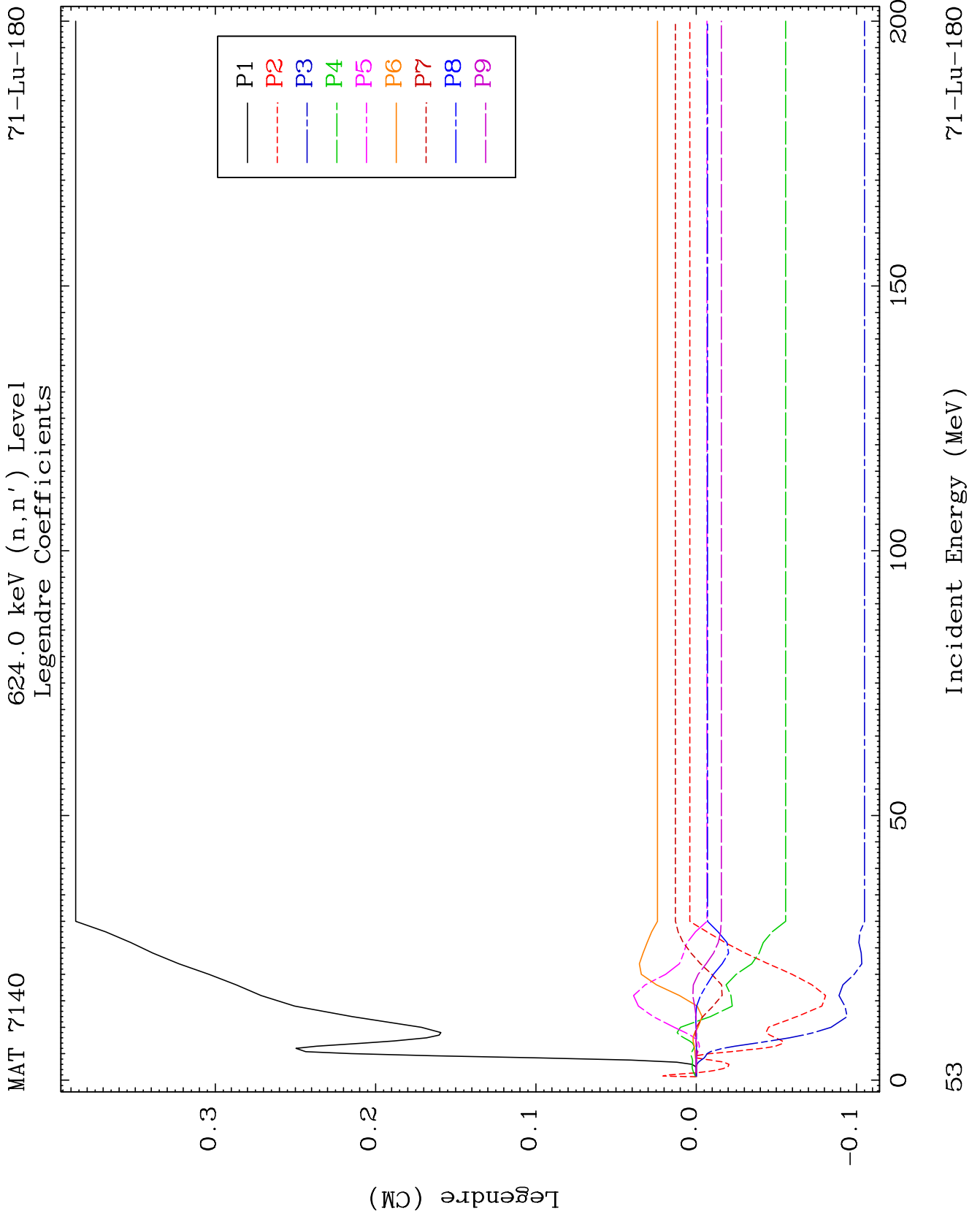
71-Lu-180

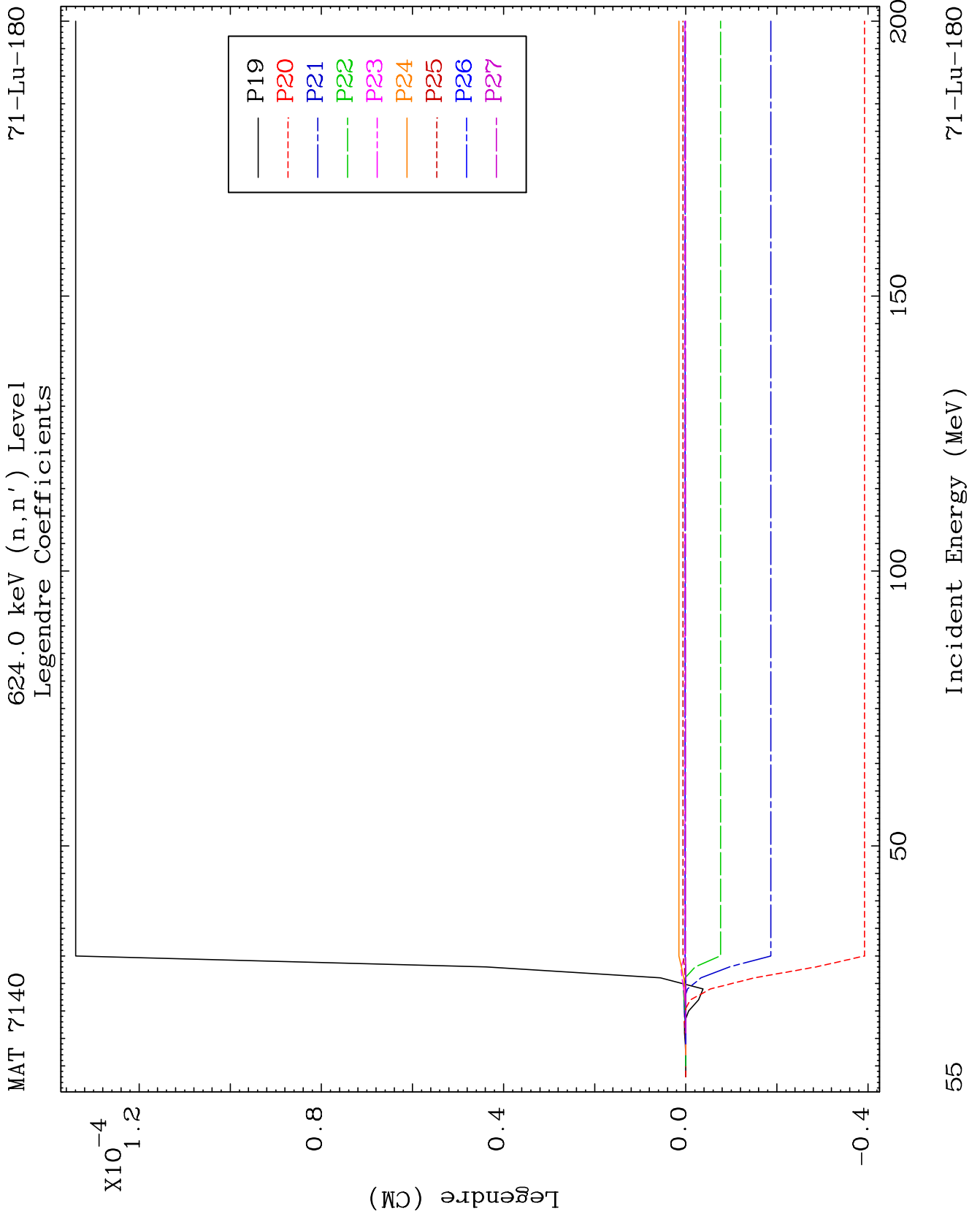


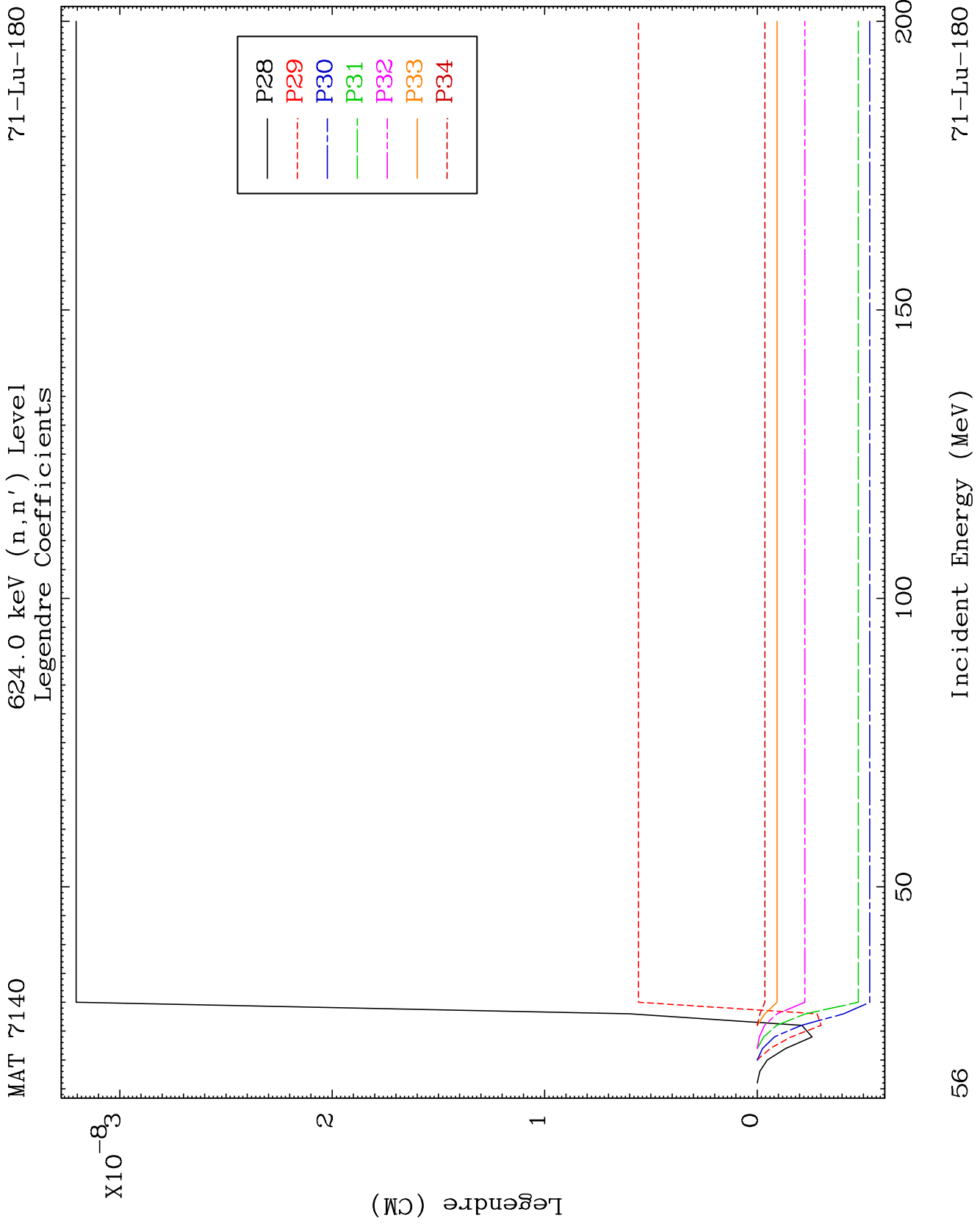


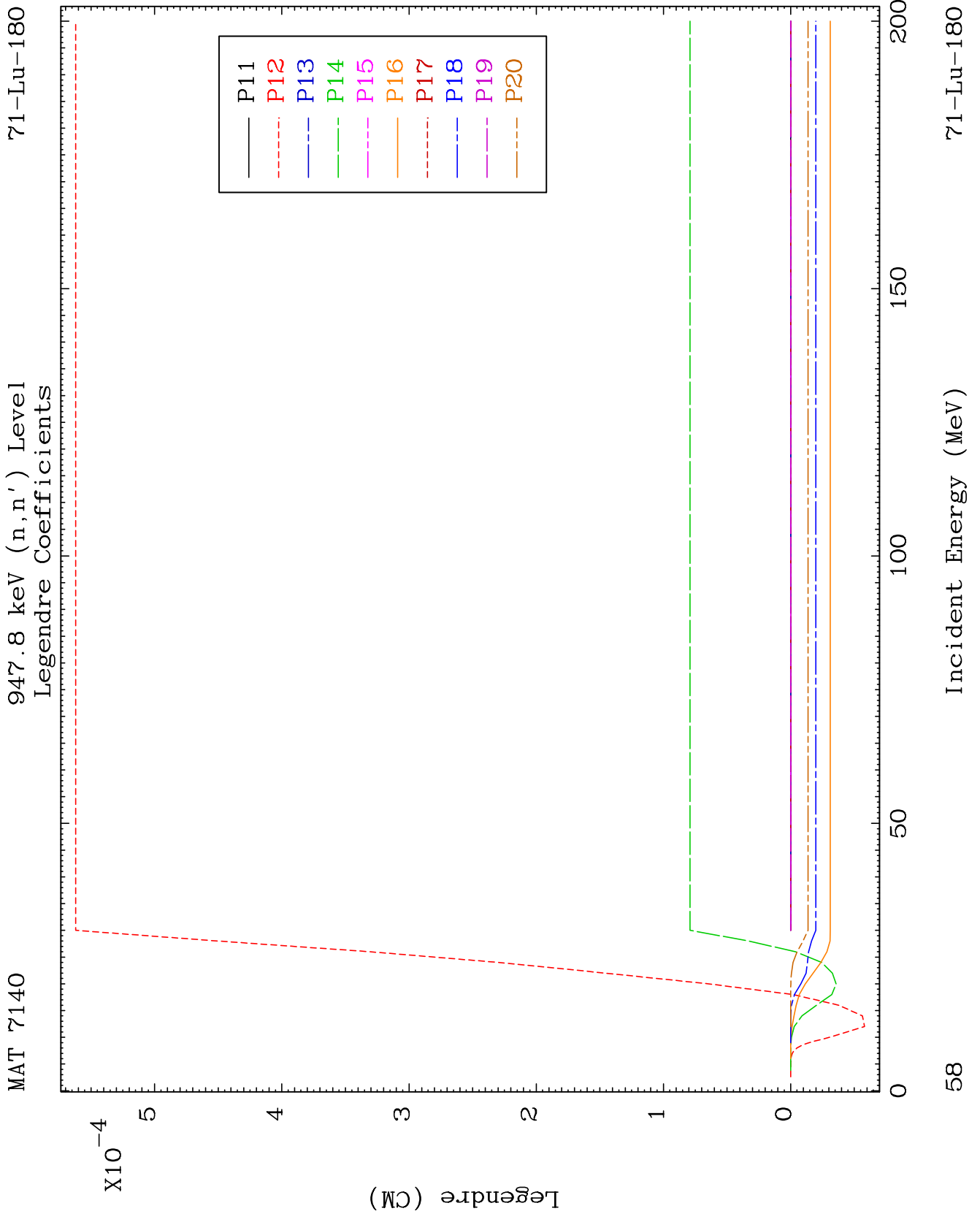


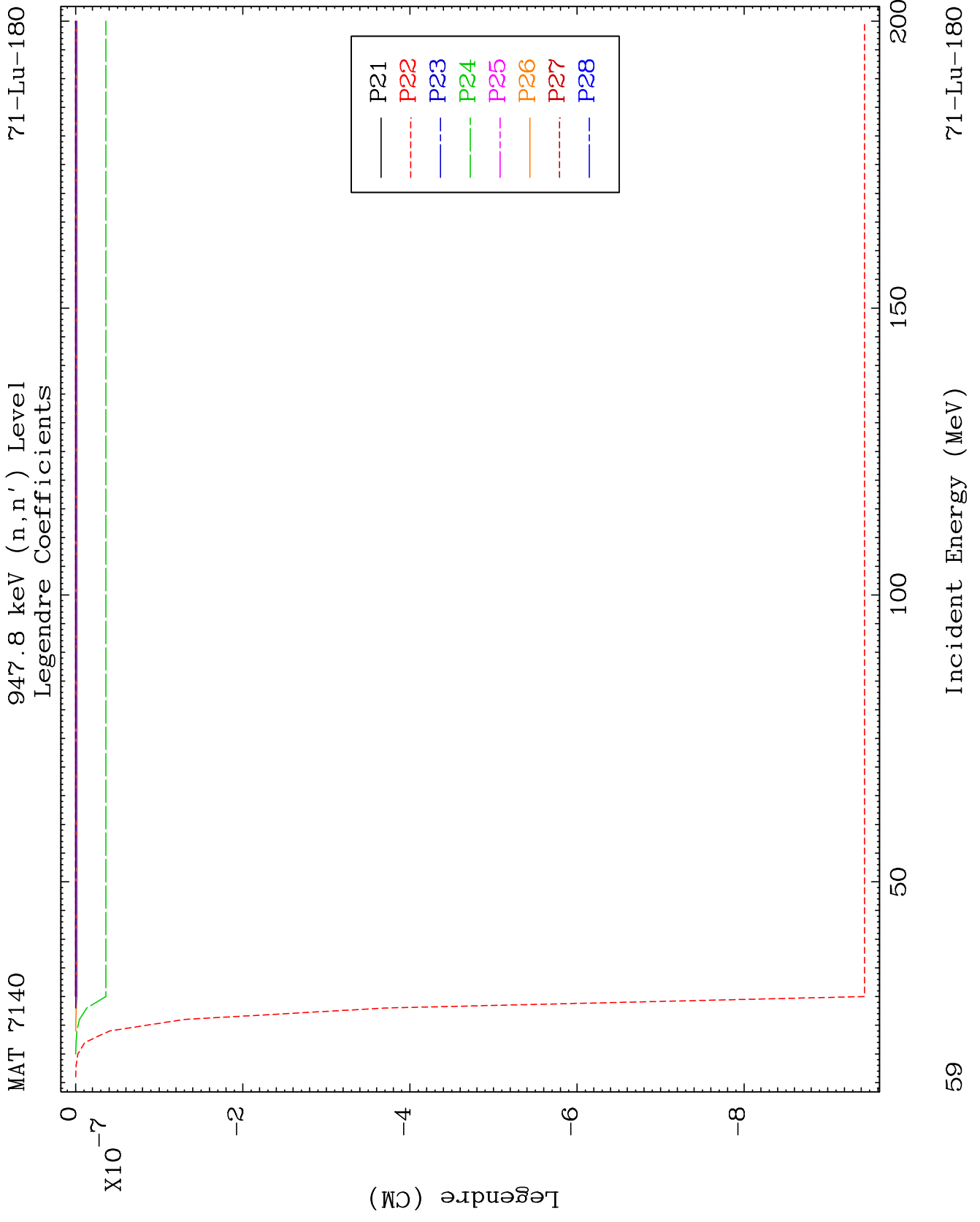


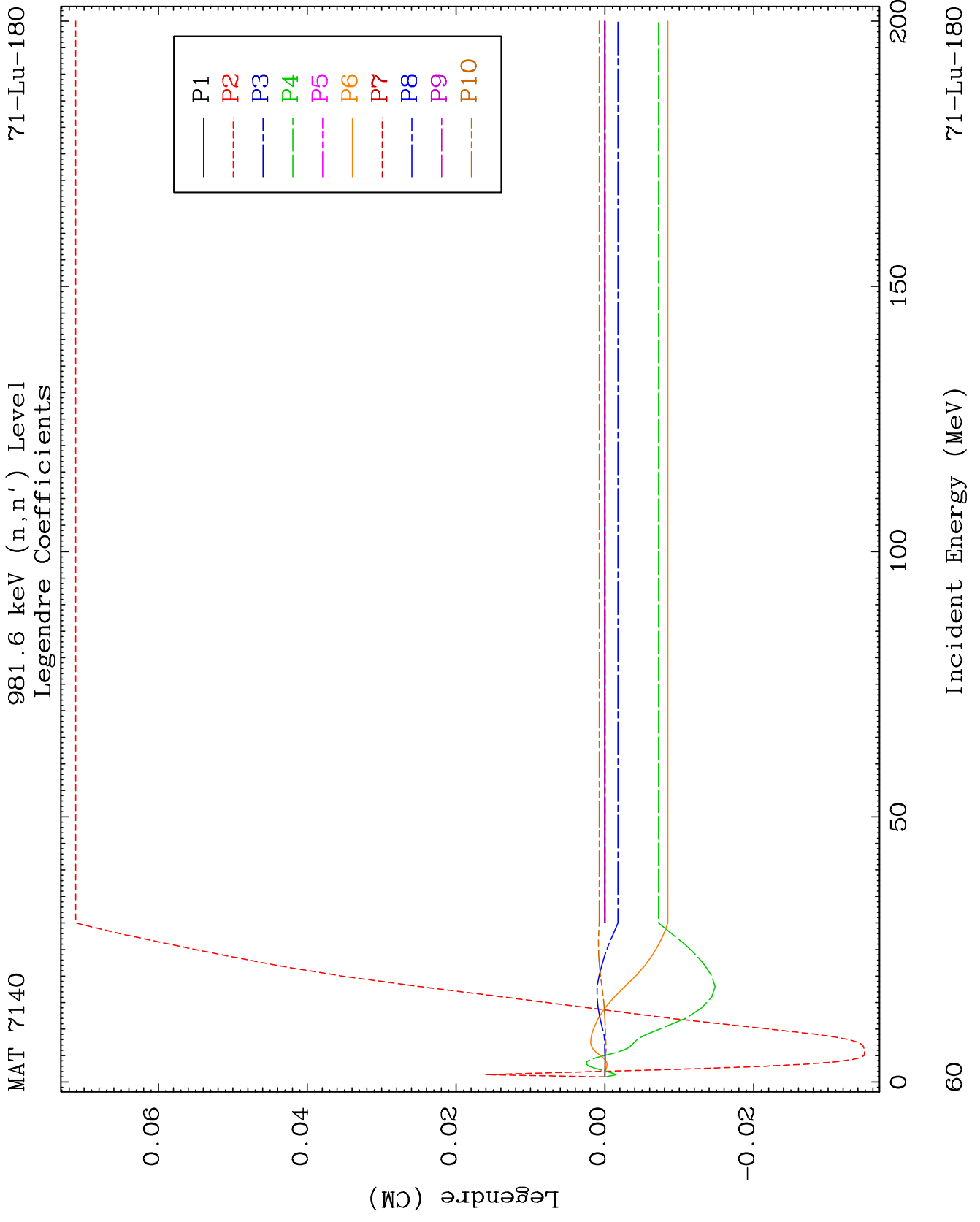


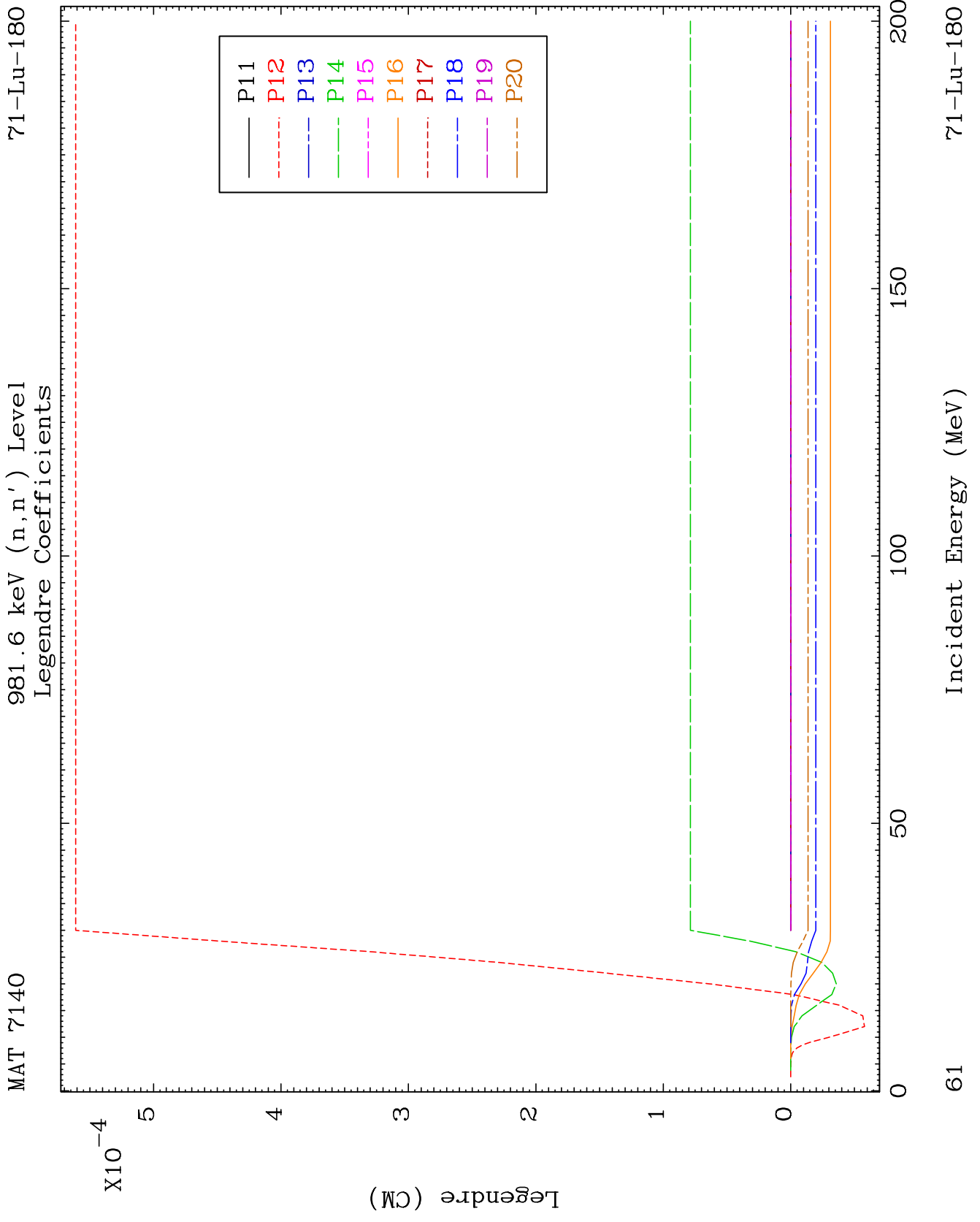


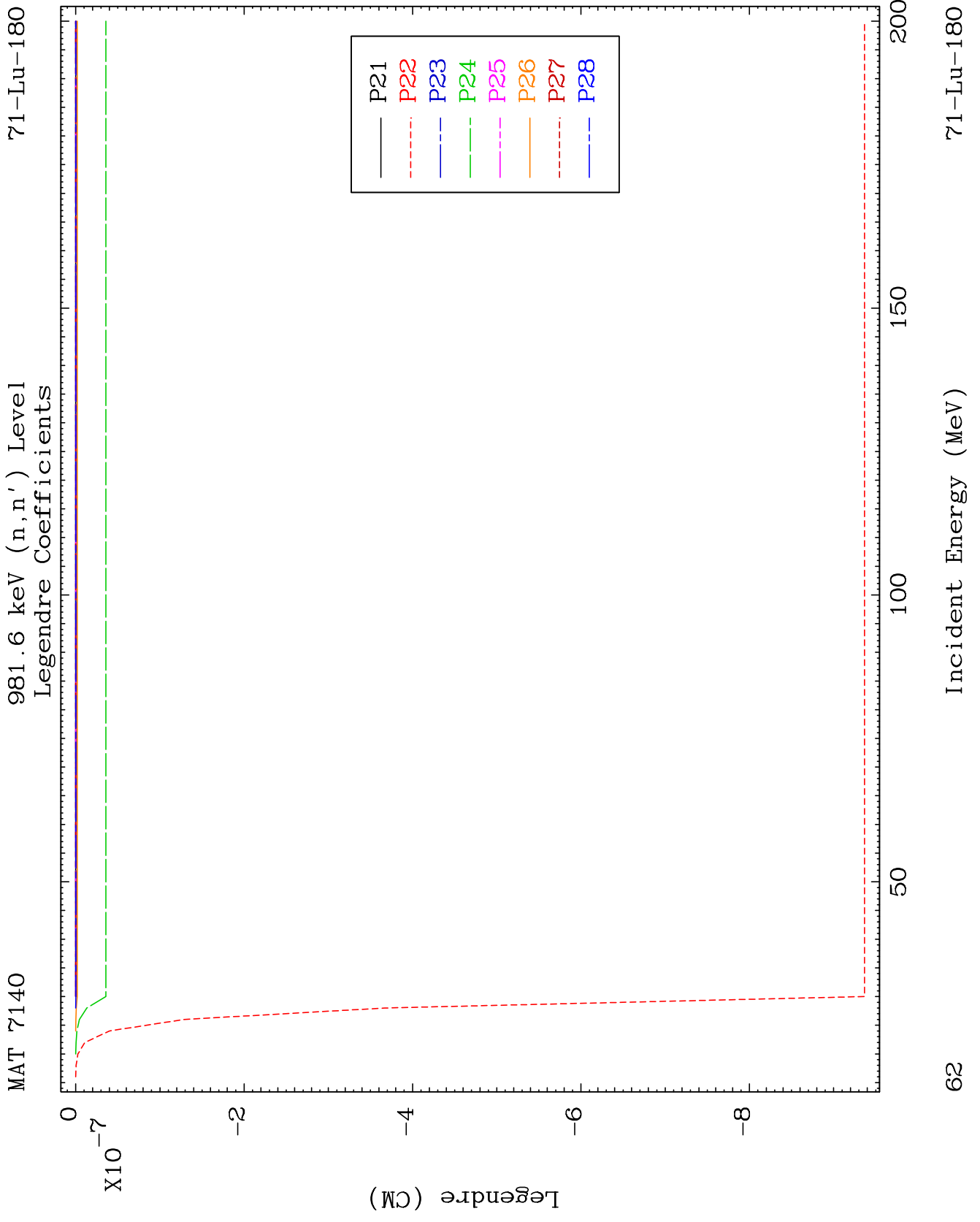


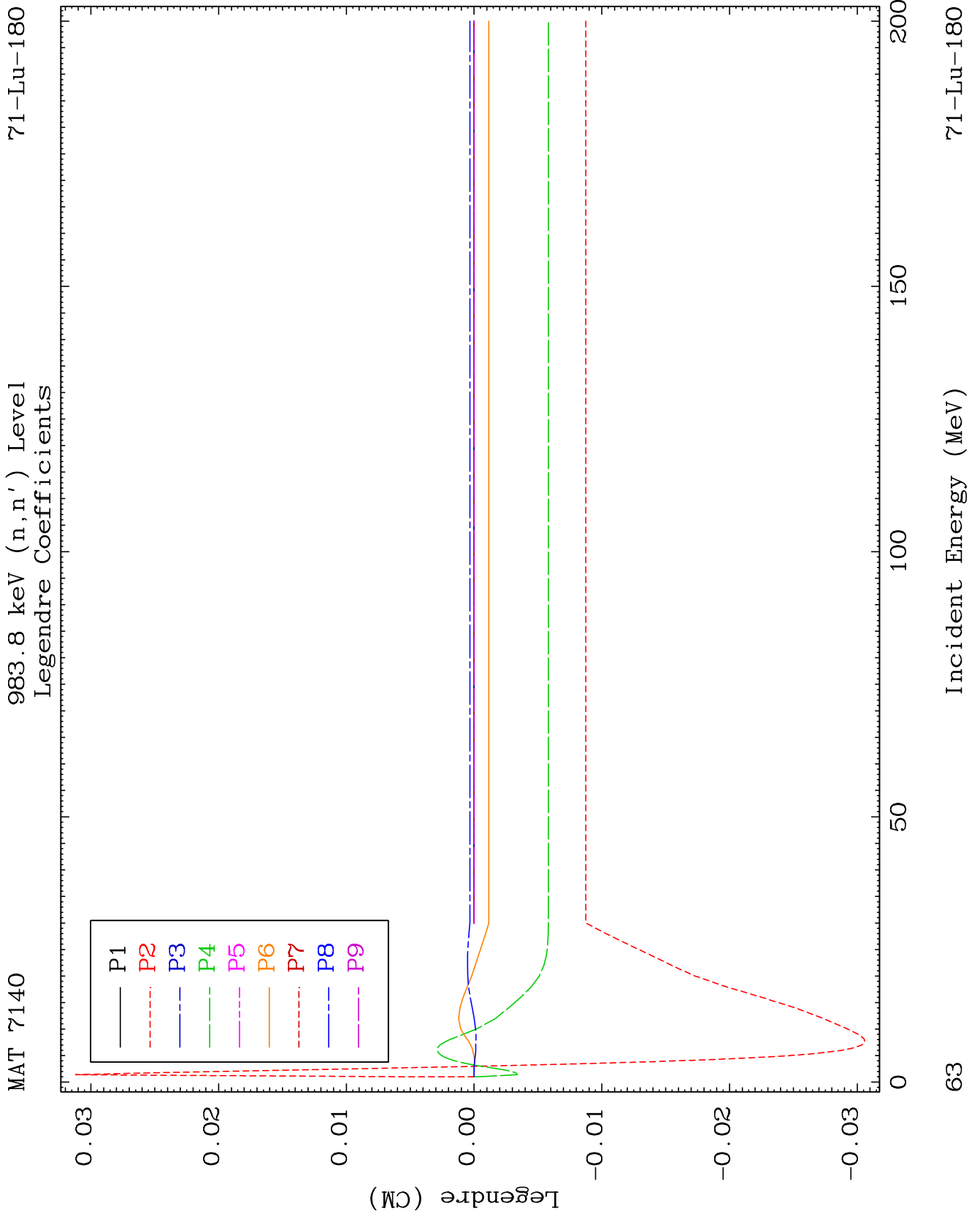


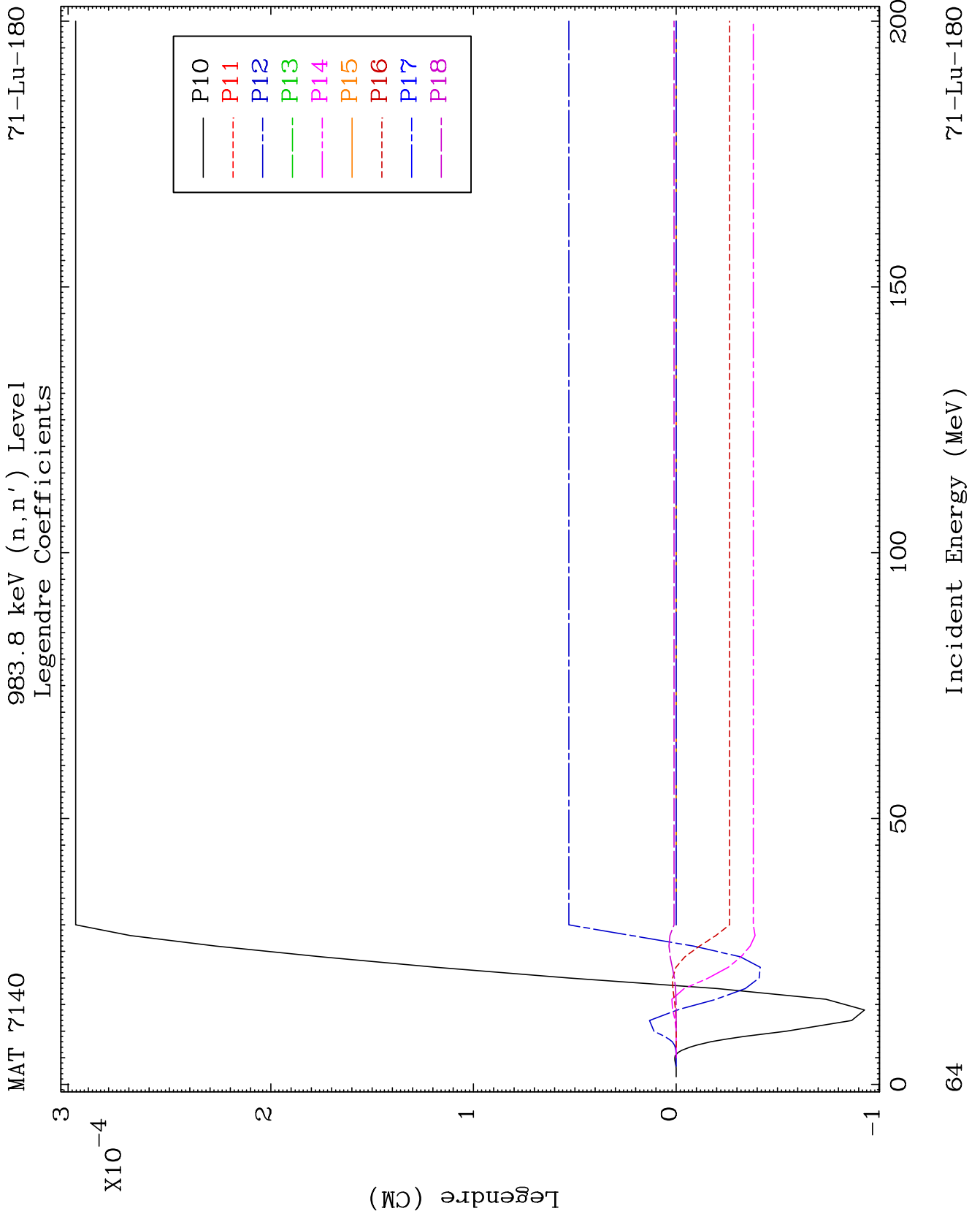


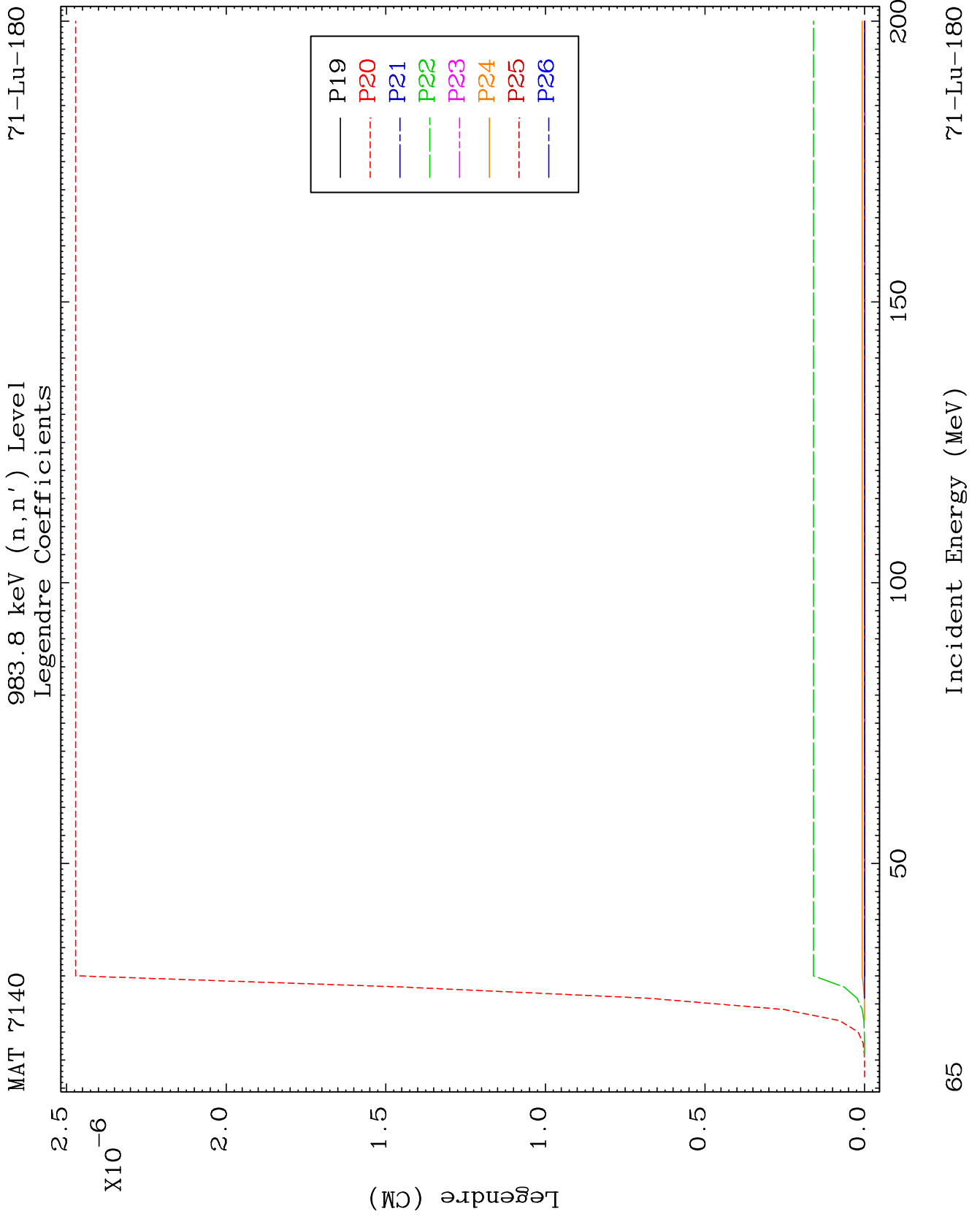


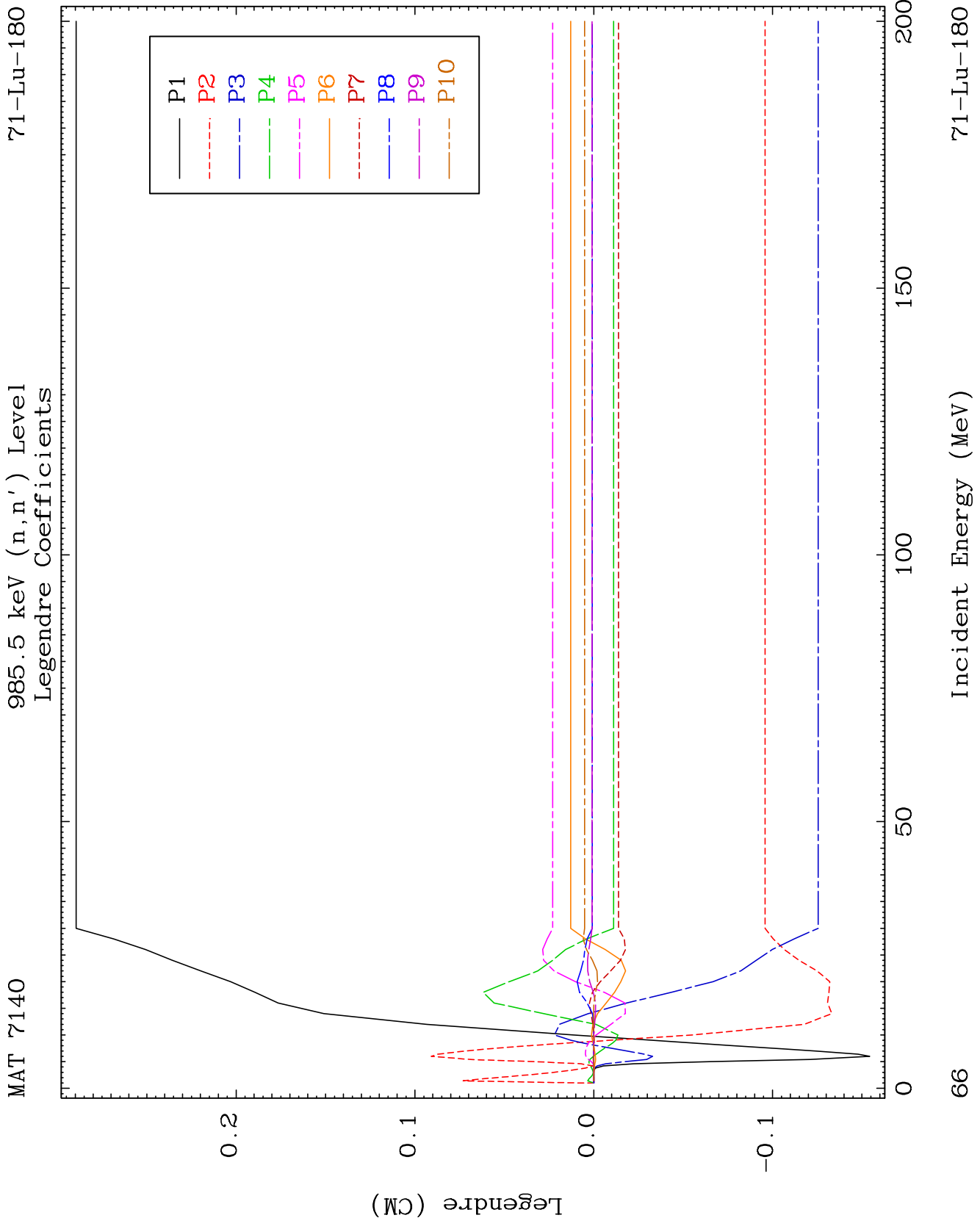








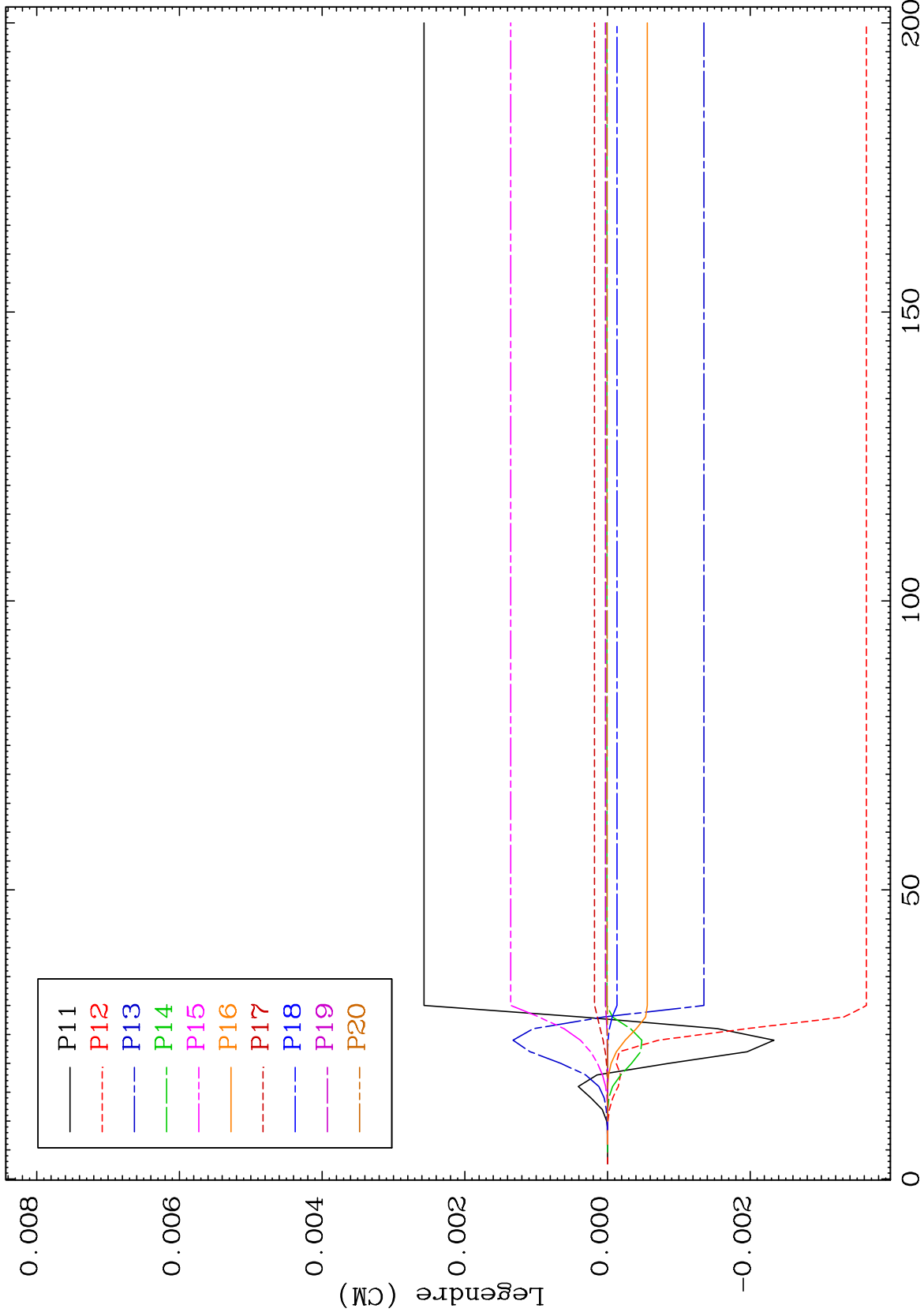




MAT 7140

985.5 keV (n, n') Level
Legendre Coefficients

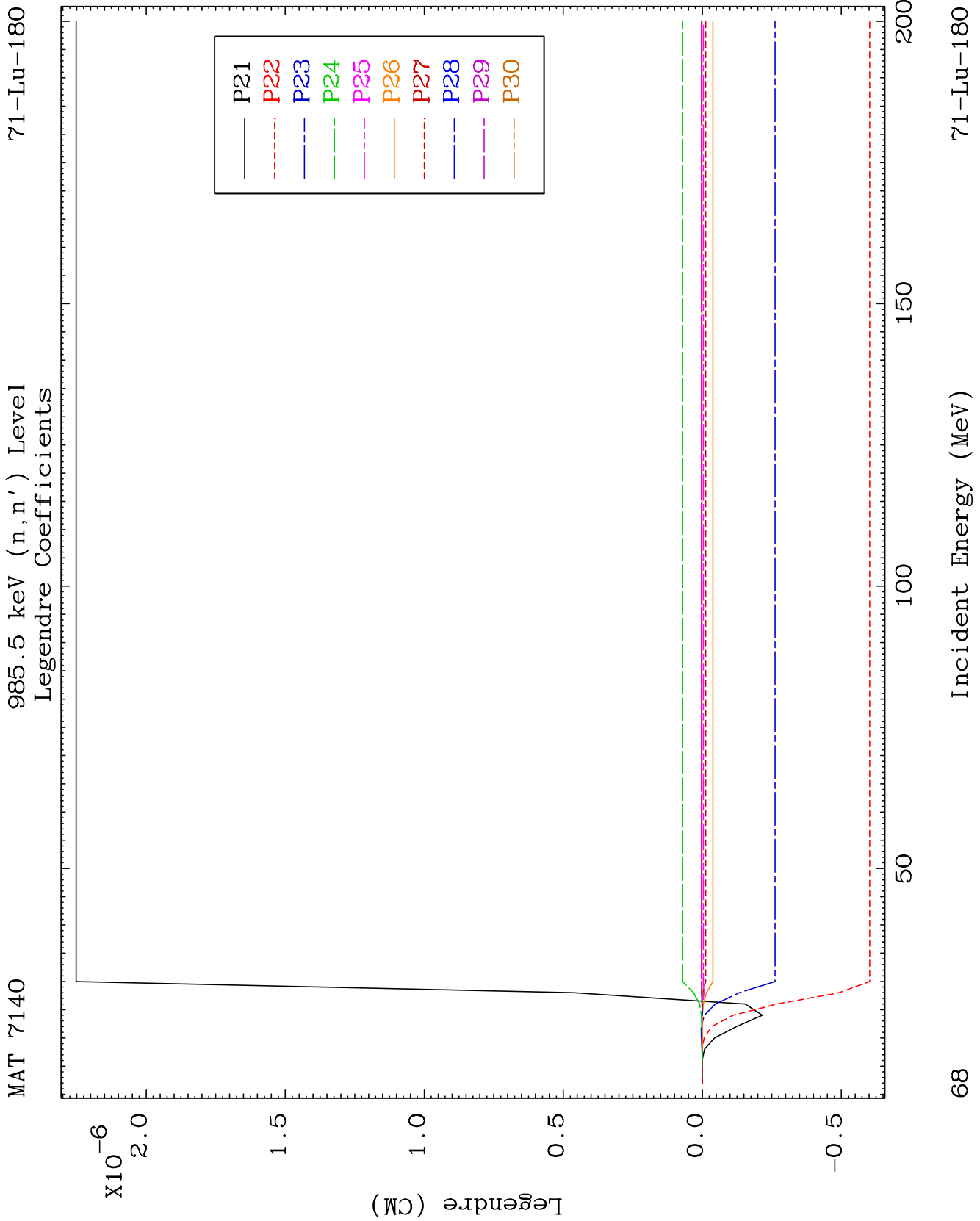
71-Lu-180

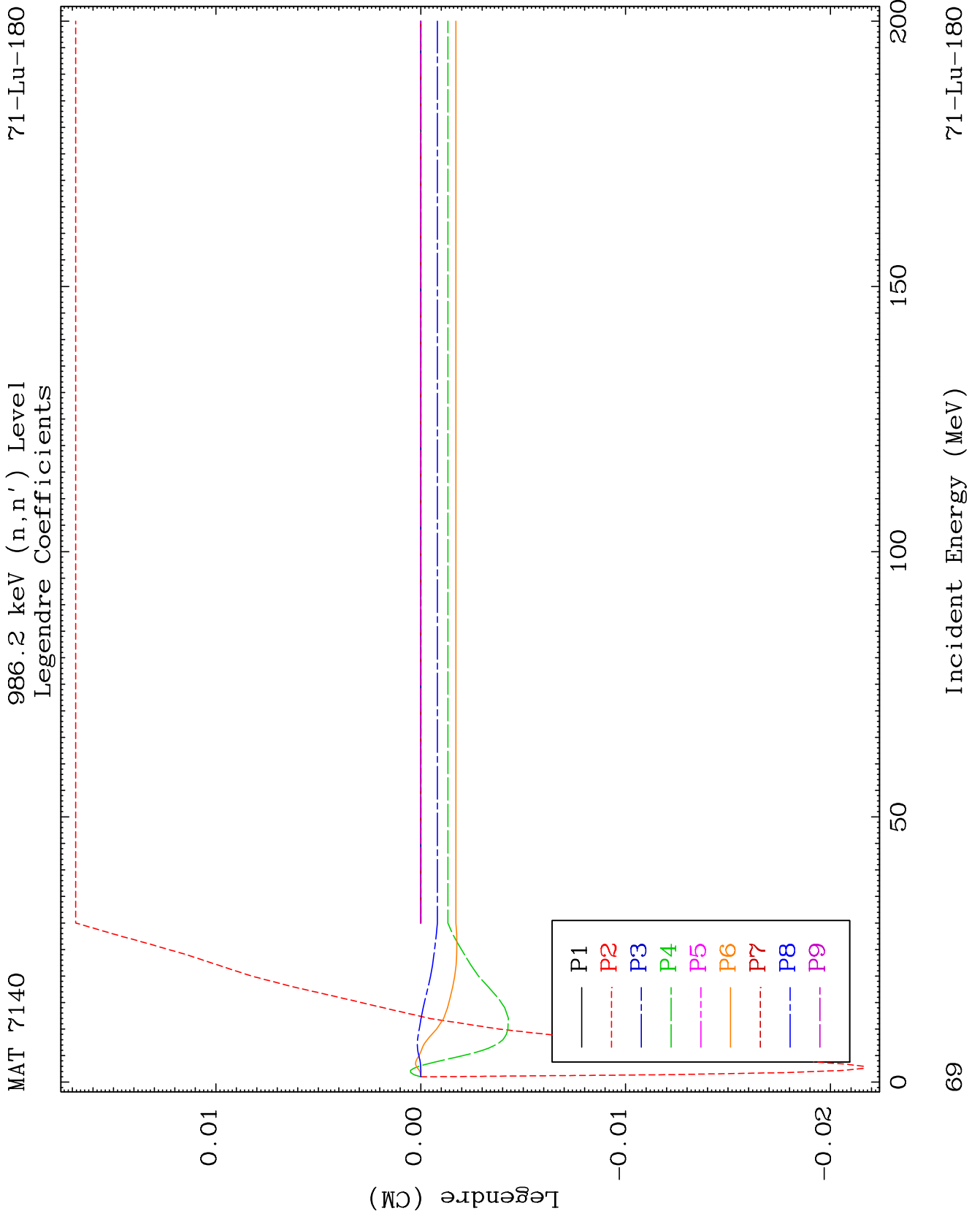


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Incident Energy (MeV)

71-Lu-180

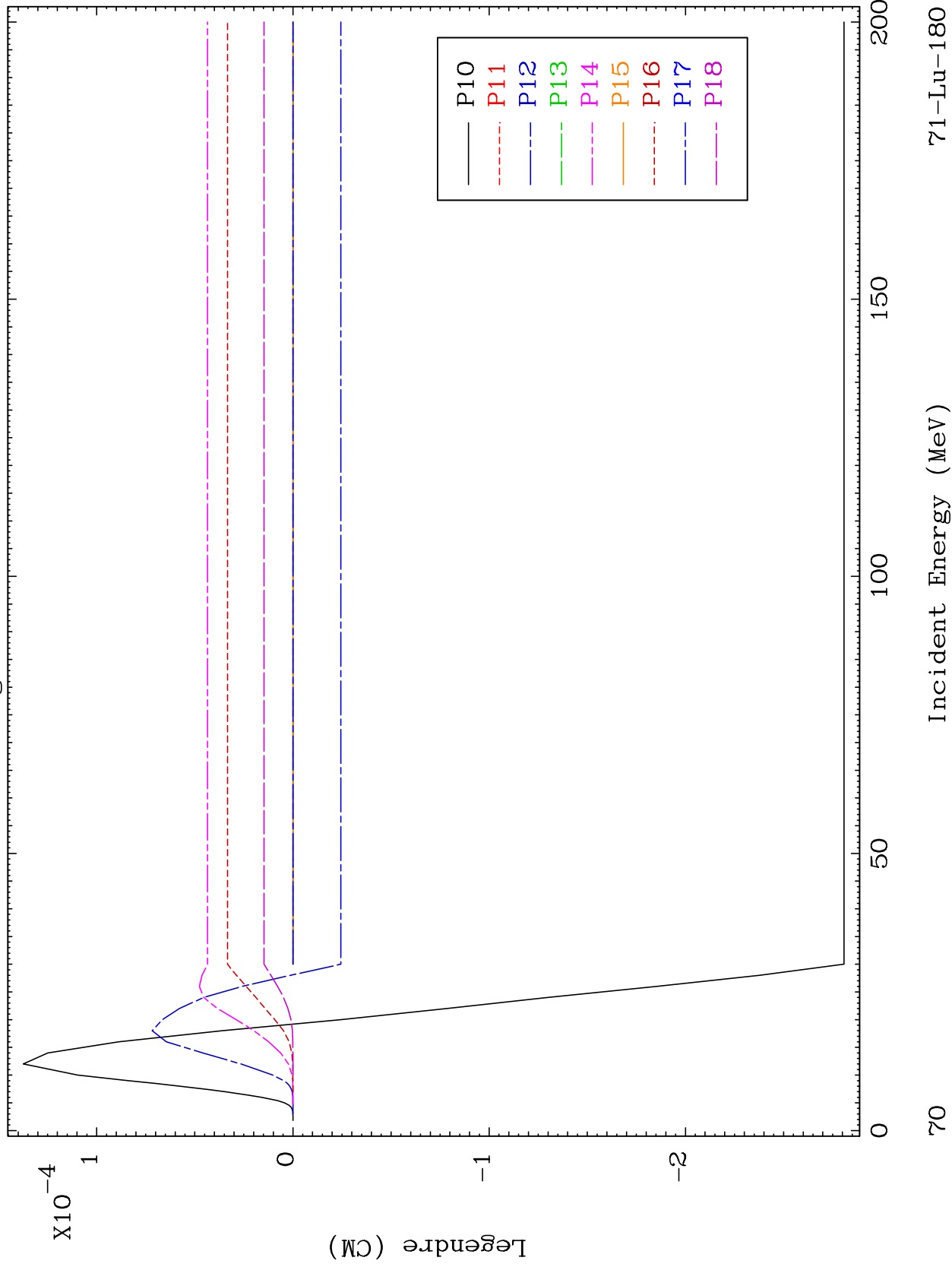


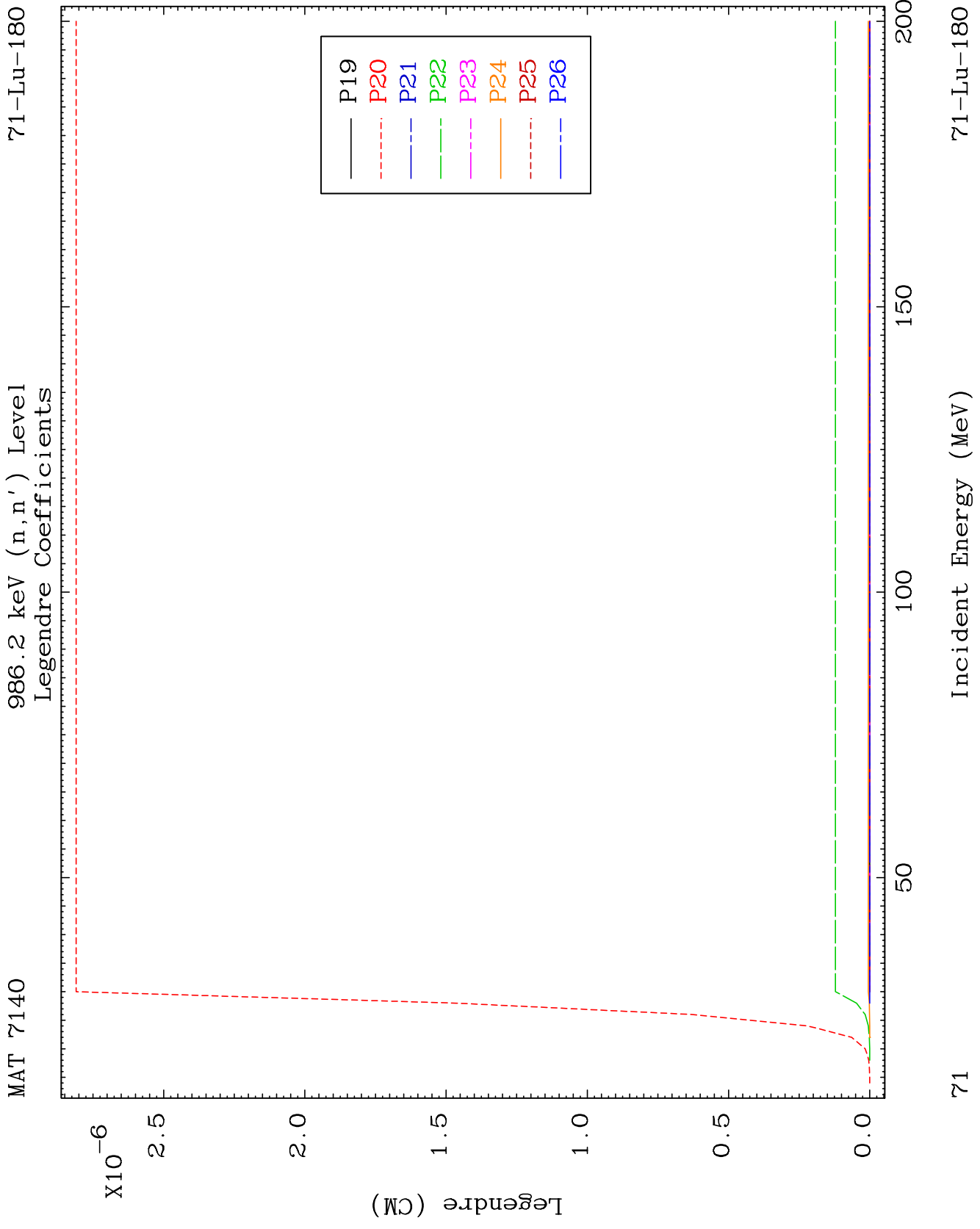


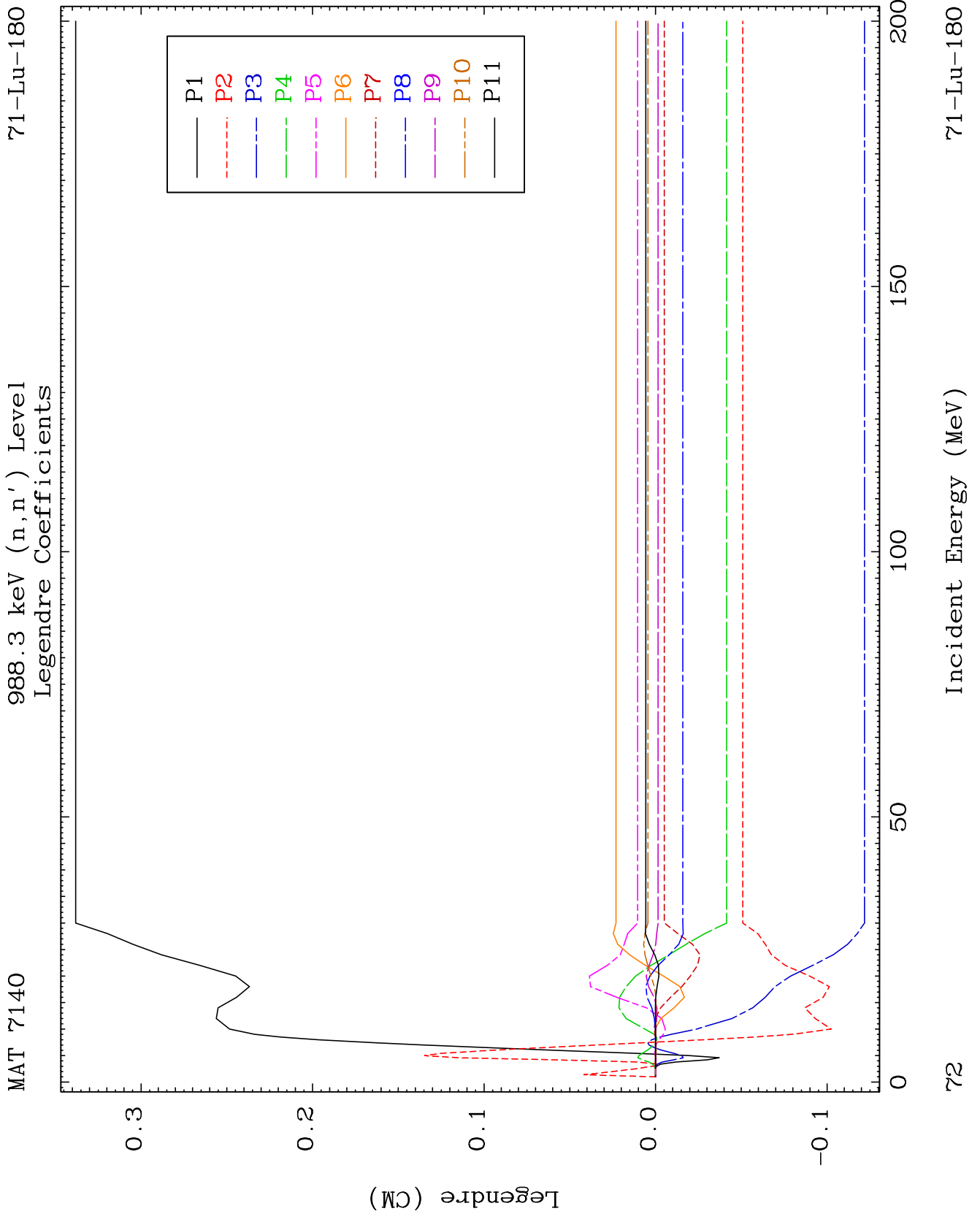
MAT 7140

986.2 keV (n, n') Level
Legendre Coefficients

71-Lu-180



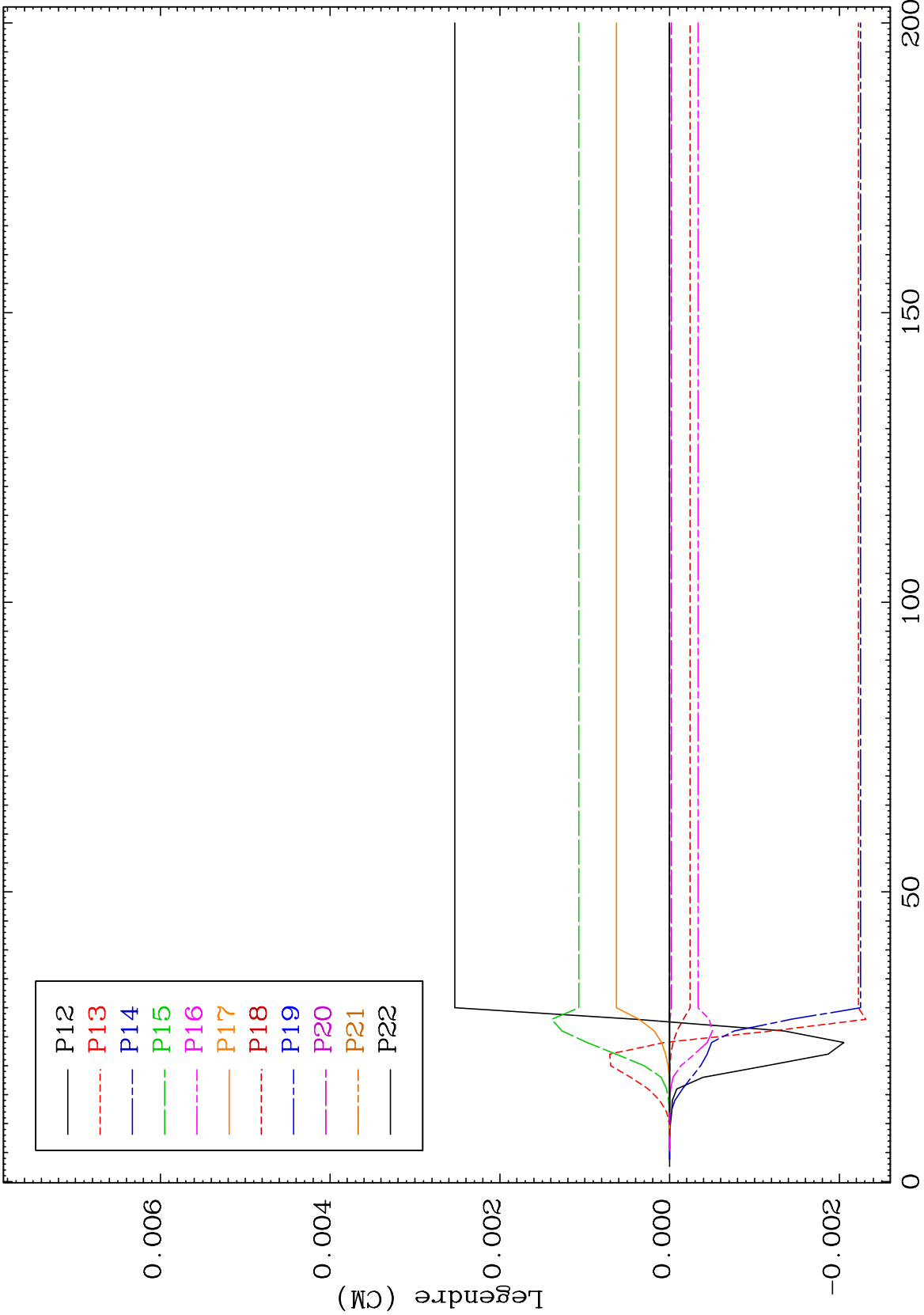




MAT 7140

988.3 keV (n,n') Level
Legendre Coefficients

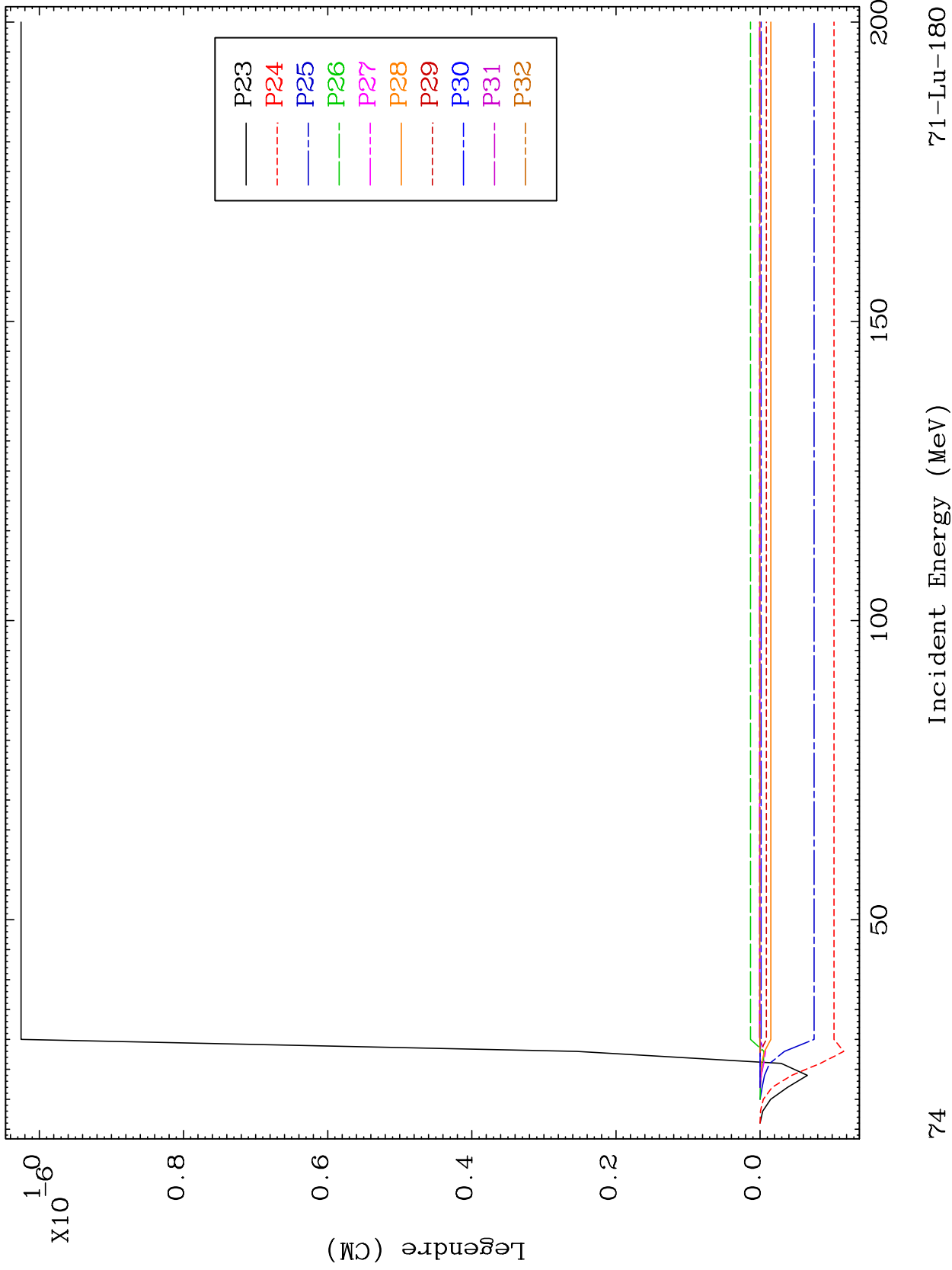
71-Lu-180

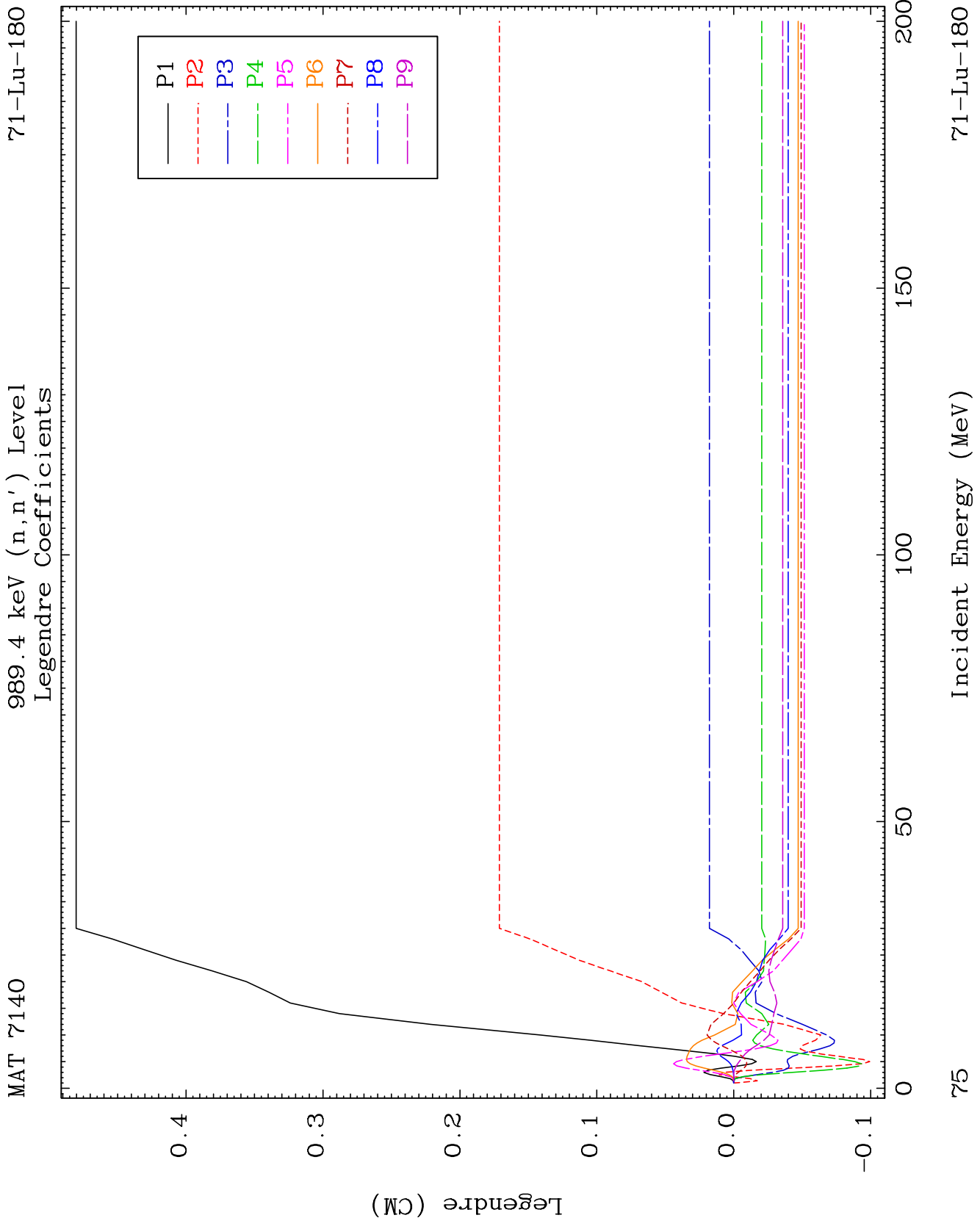


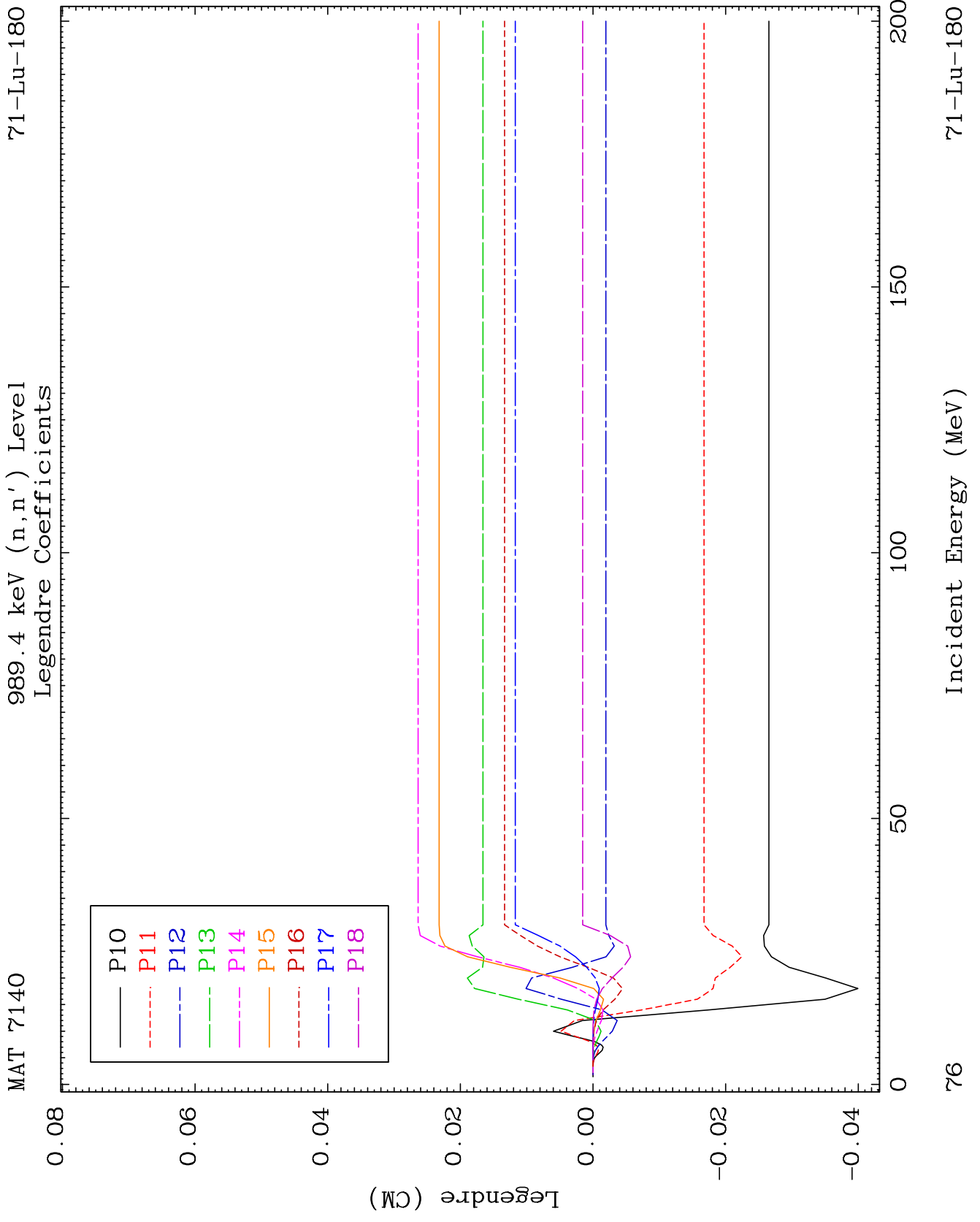
73

Incident Energy (MeV)

71-Lu-180



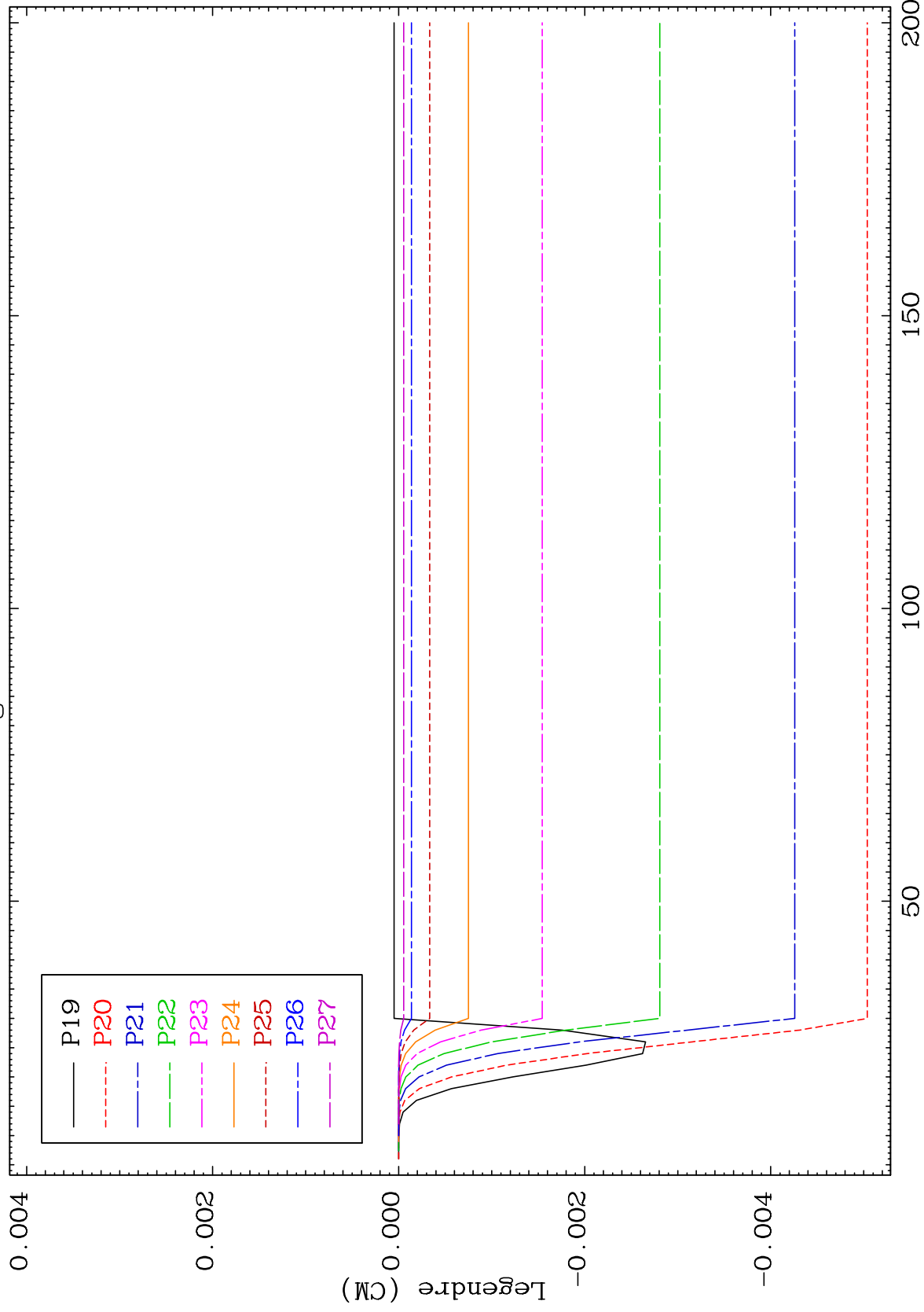




MAT 7140

989.4 keV (n,n') Level
Legendre Coefficients

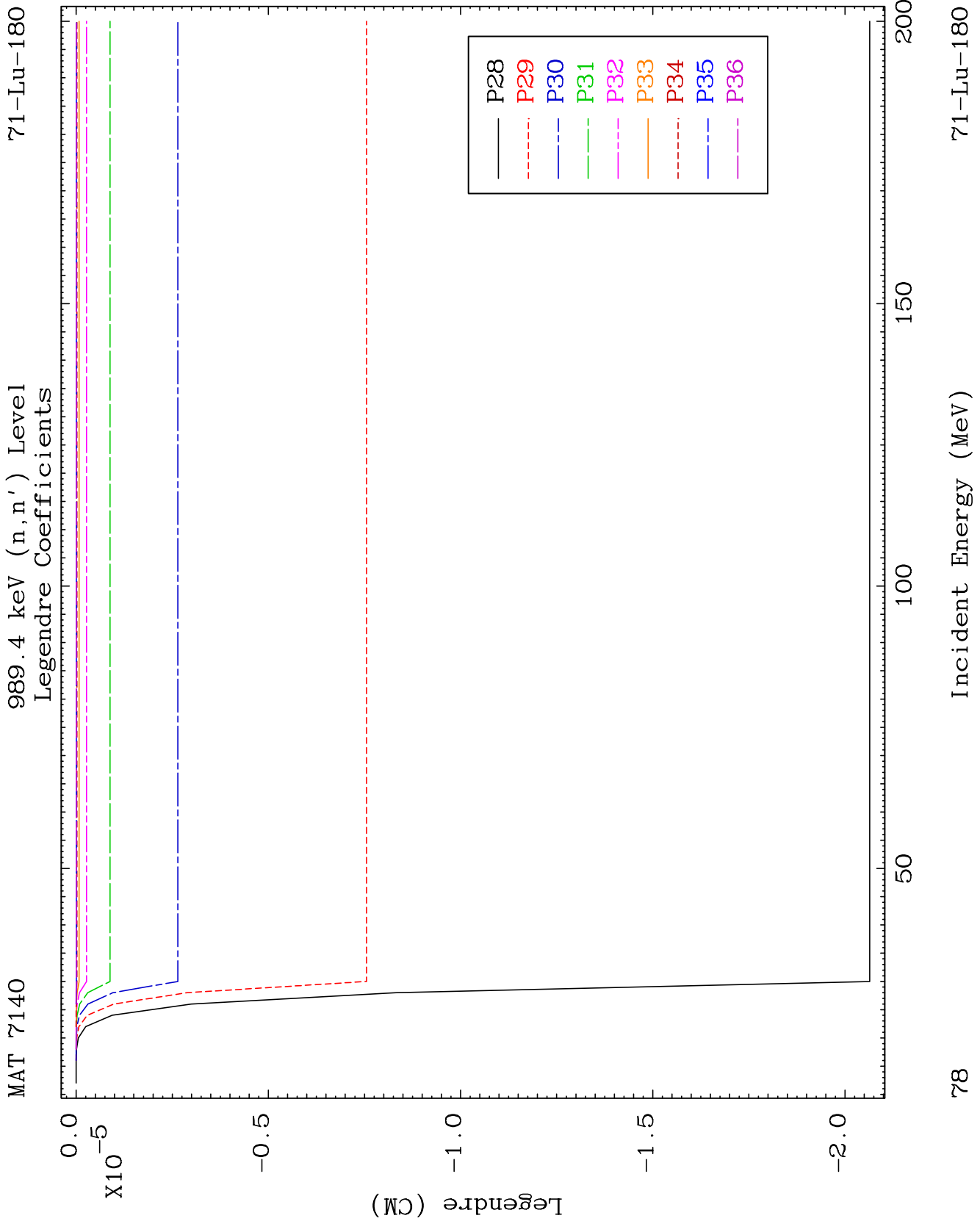
71-Lu-180

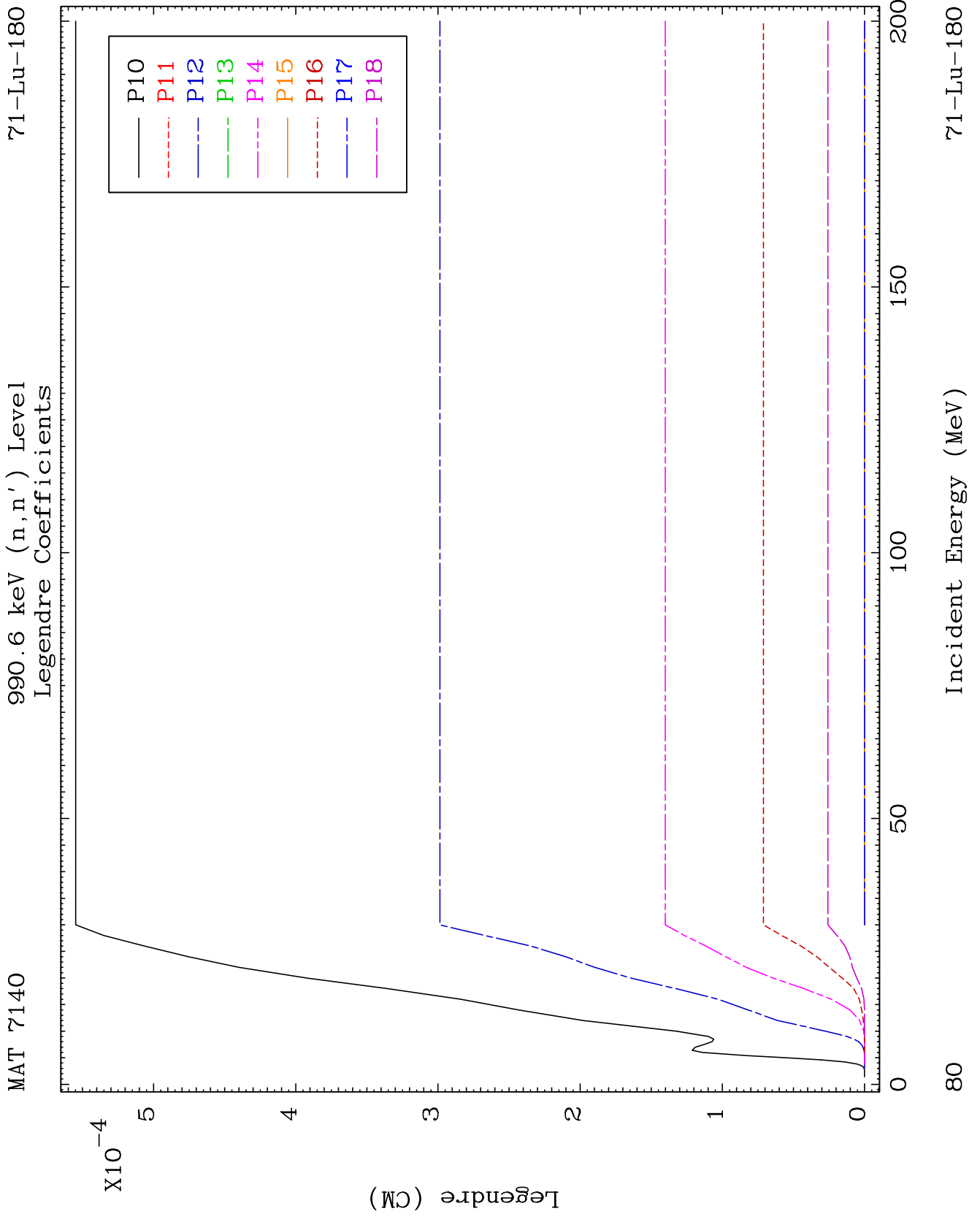


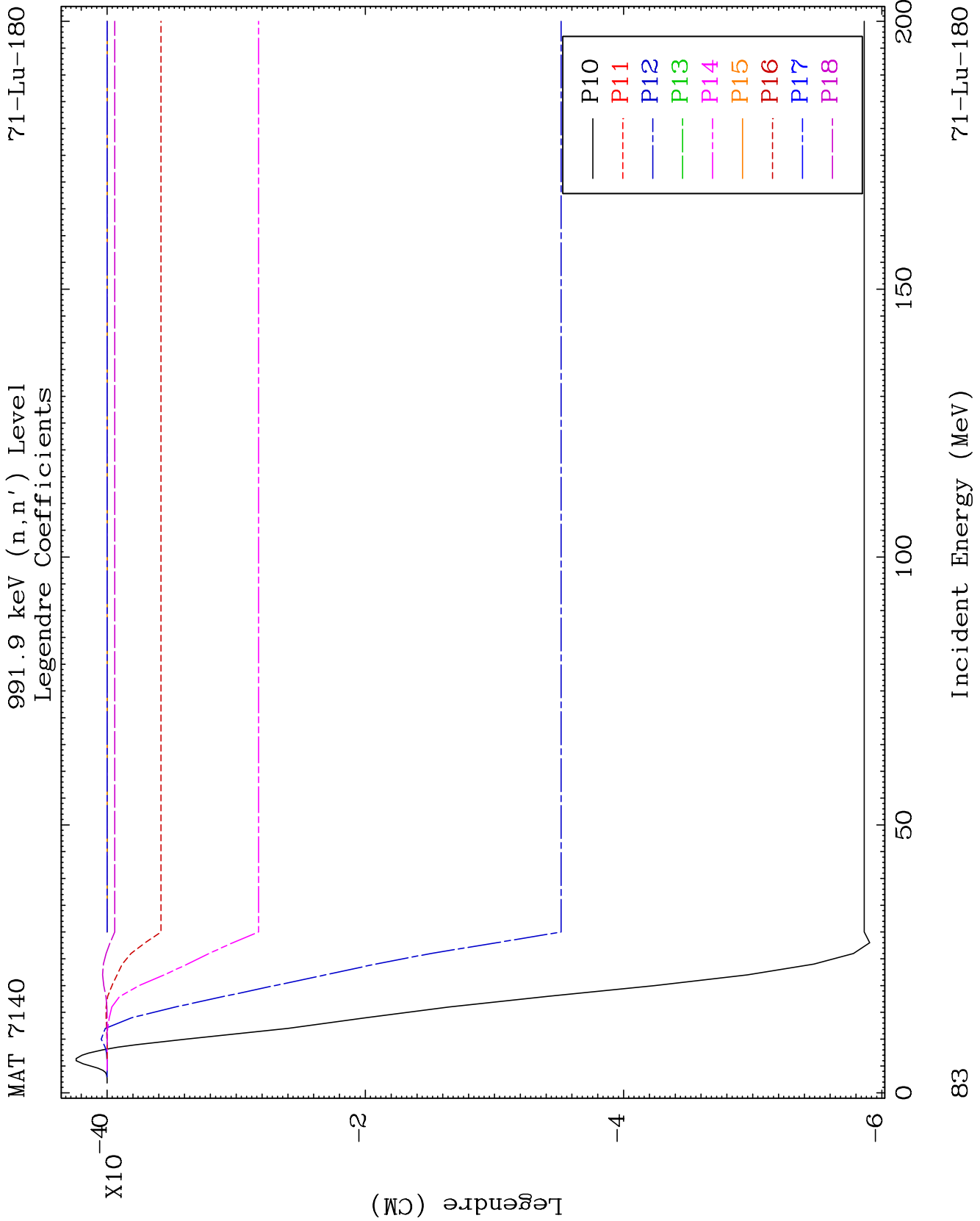
77

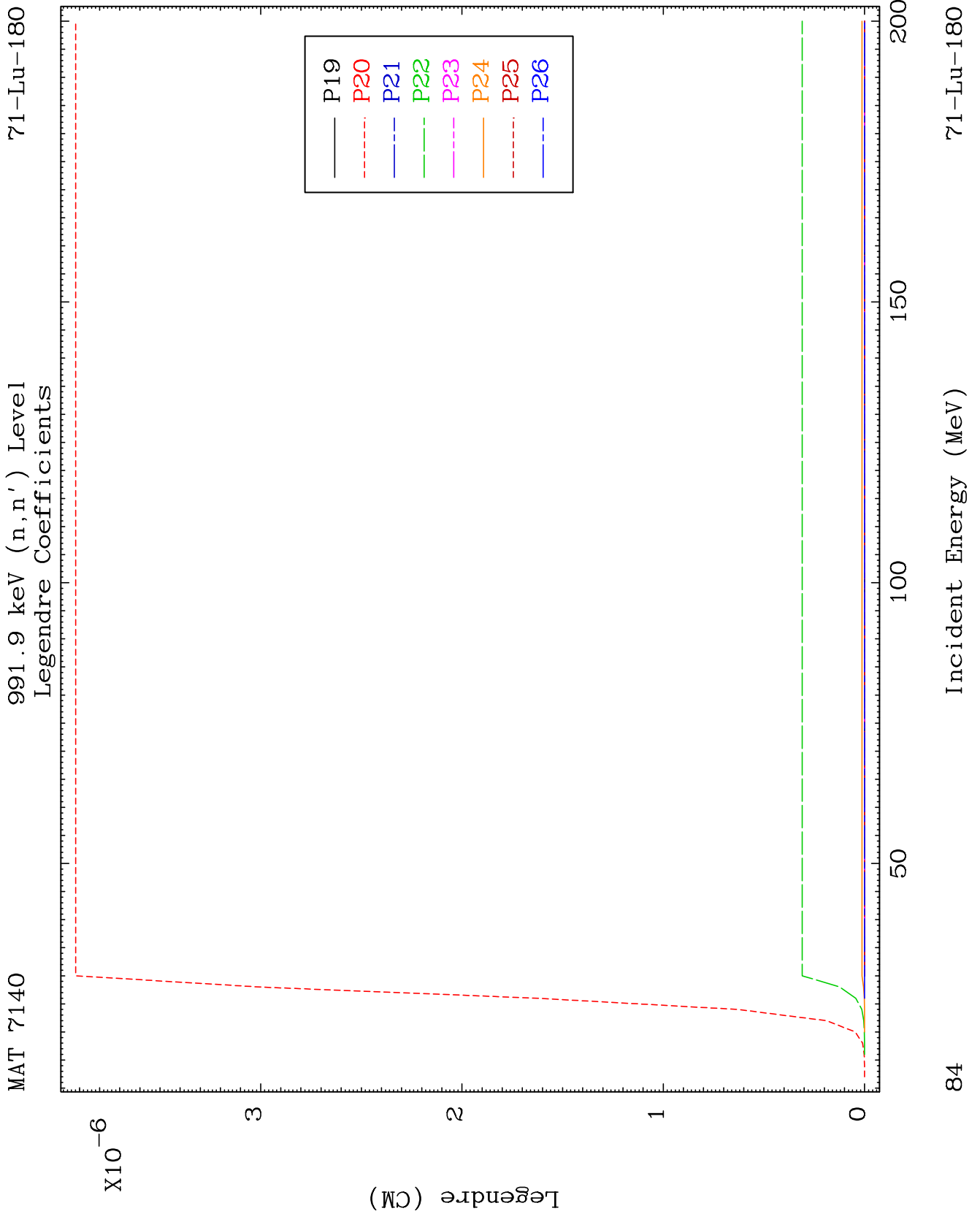
Incident Energy (MeV)

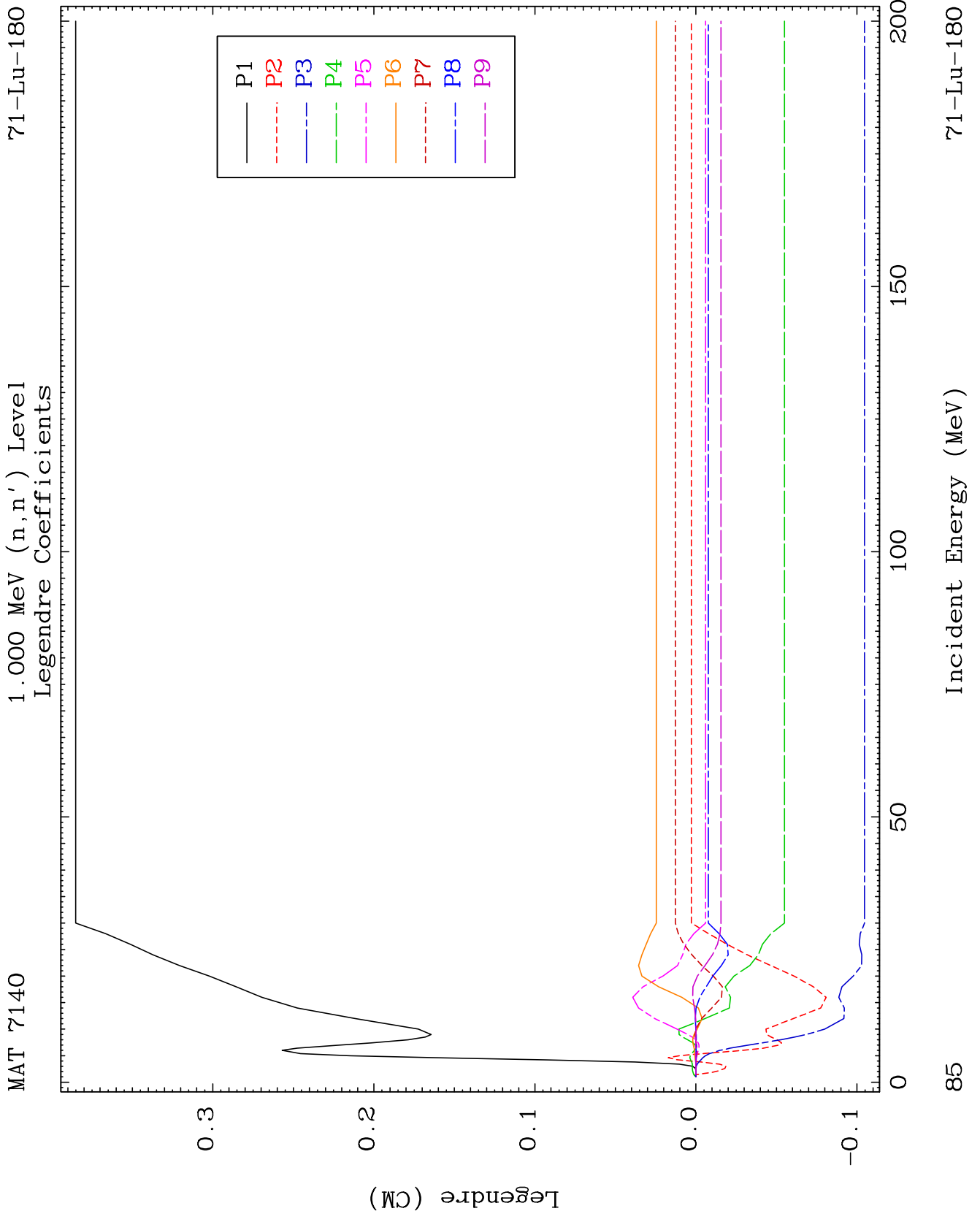
71-Lu-180

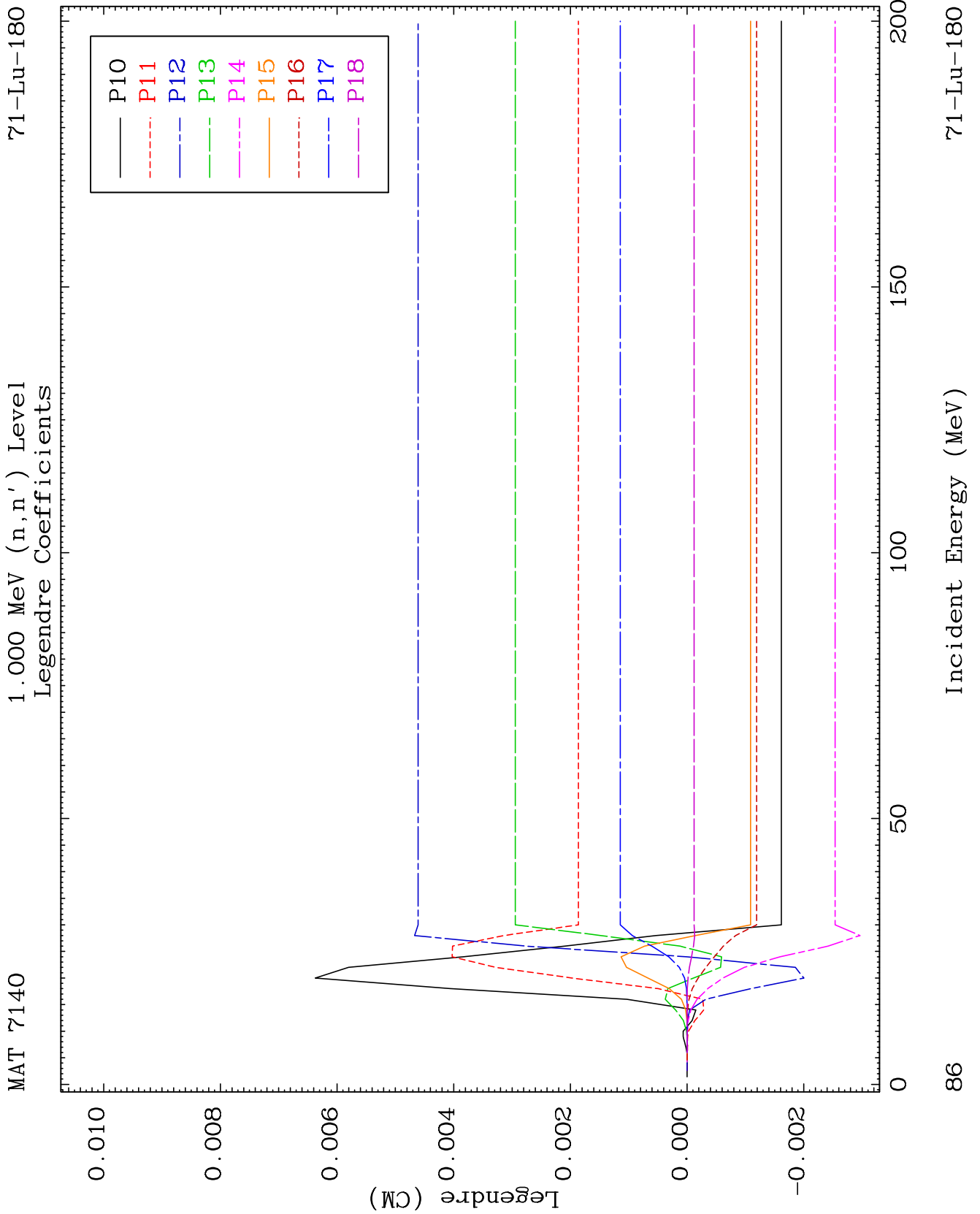


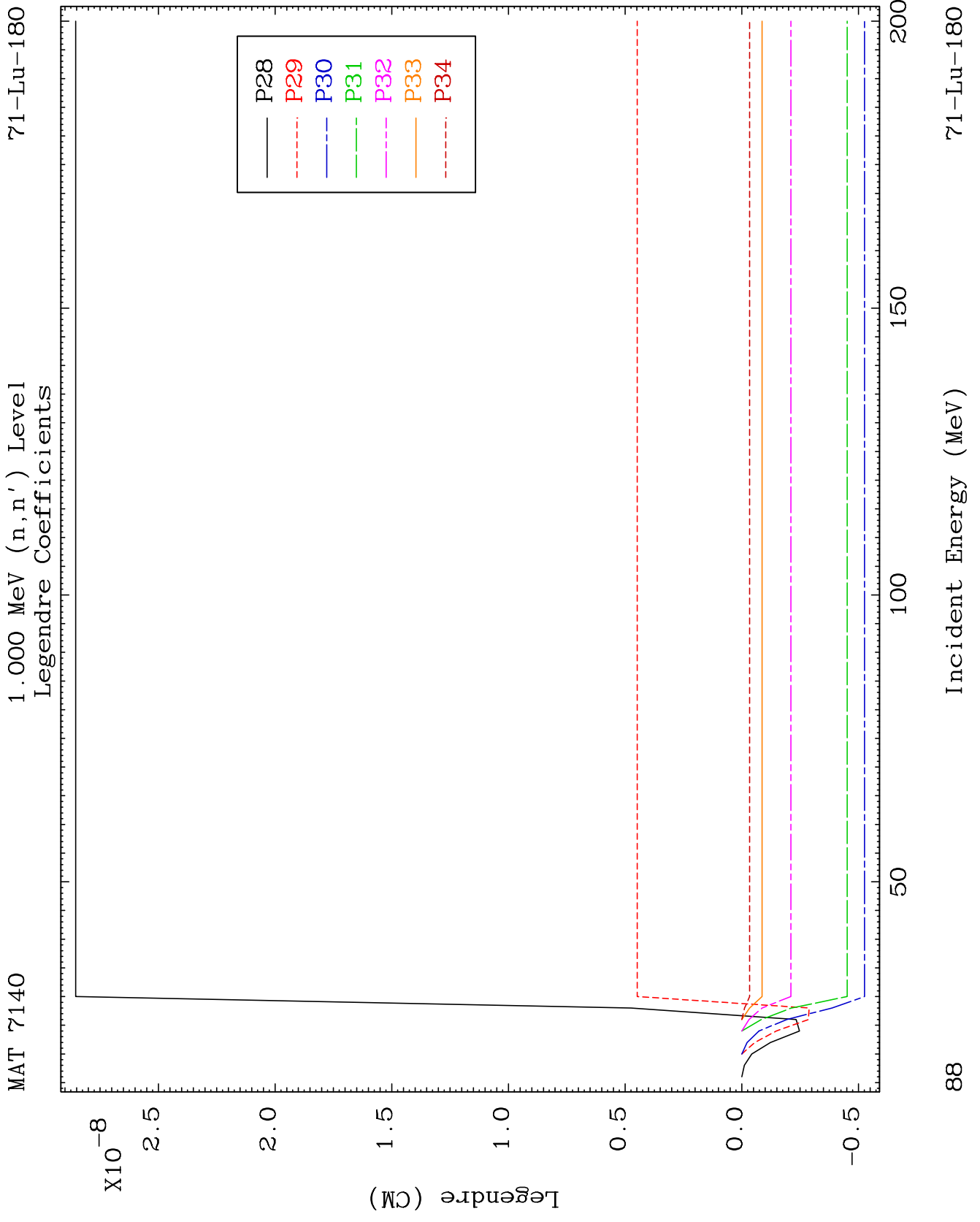


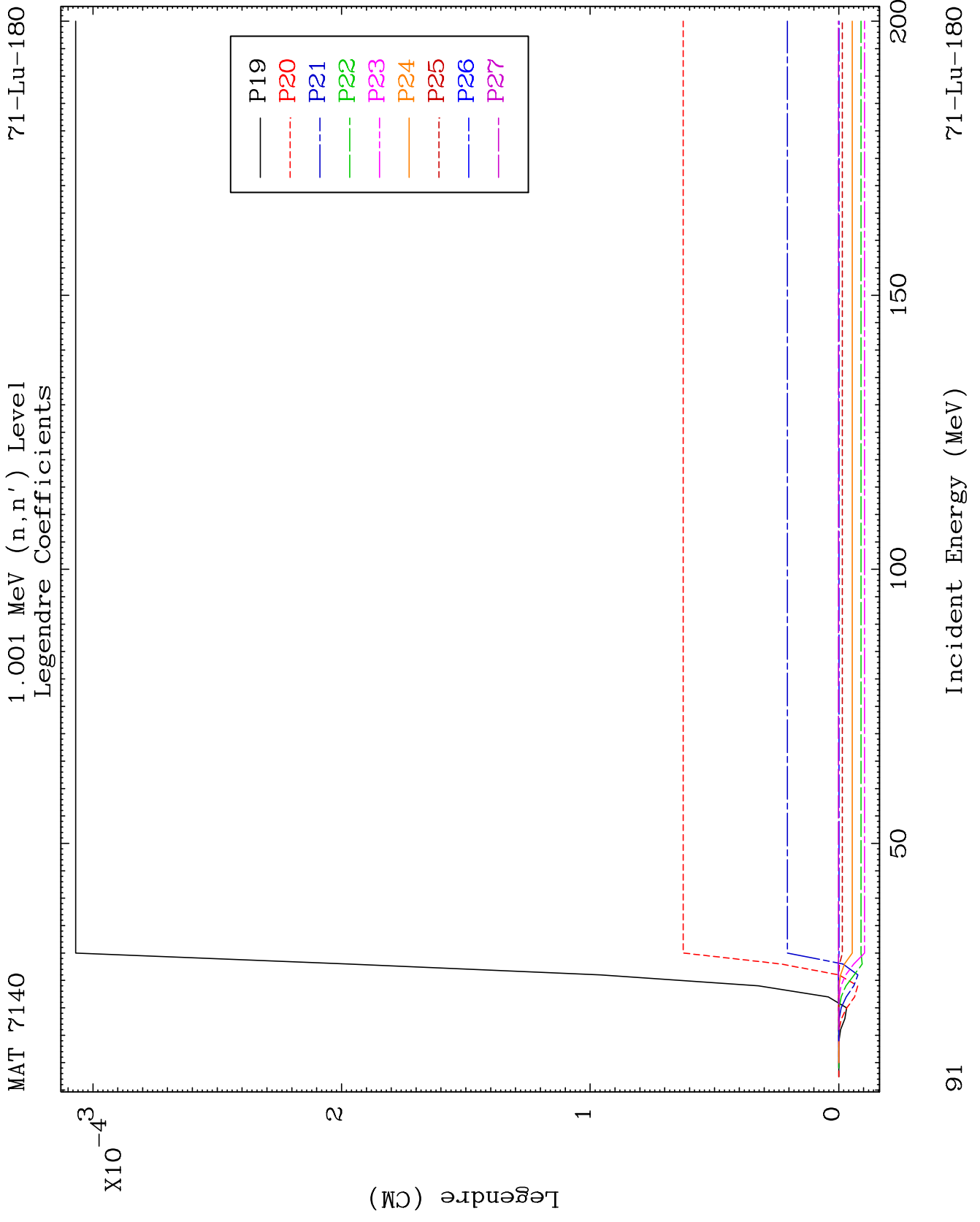


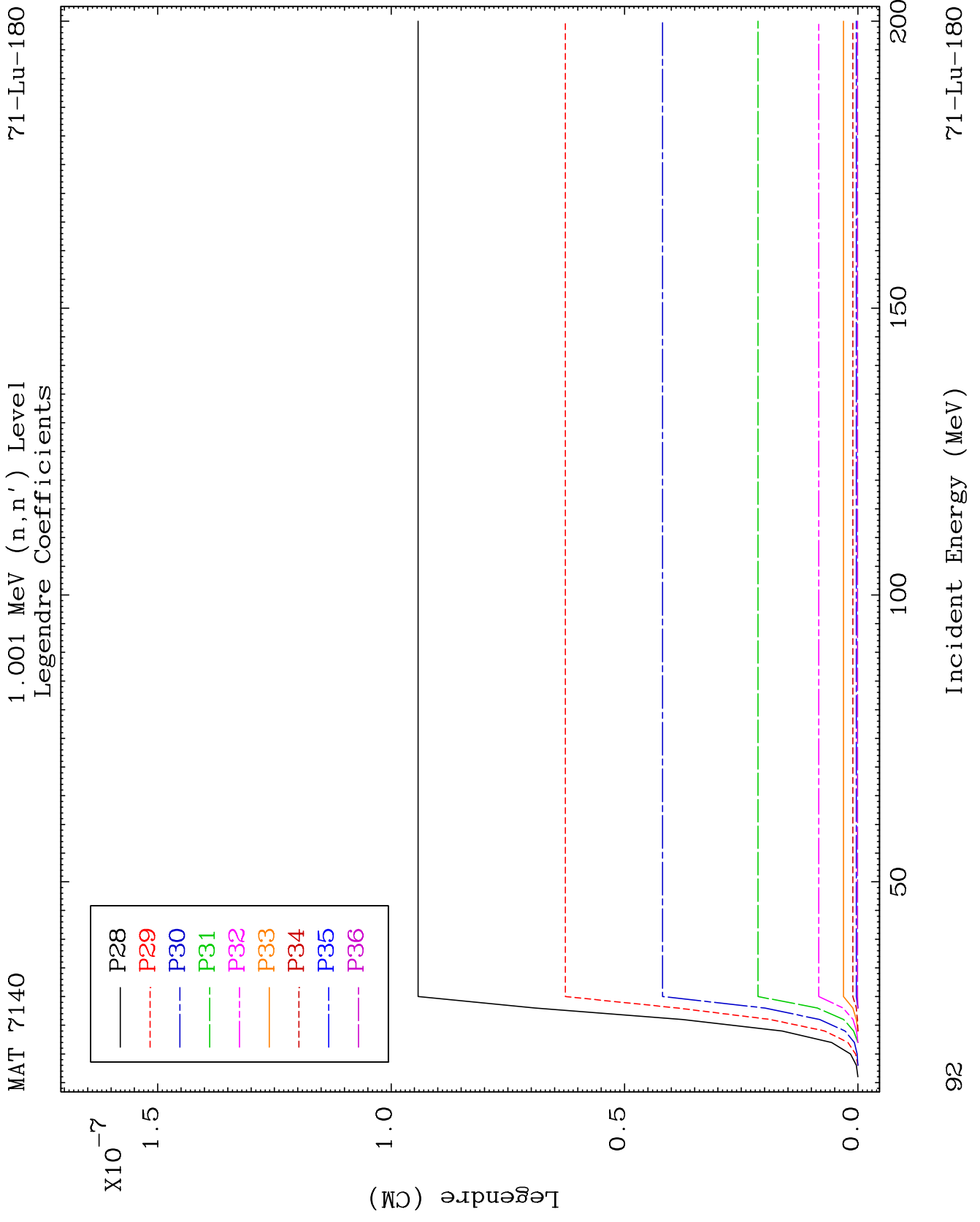


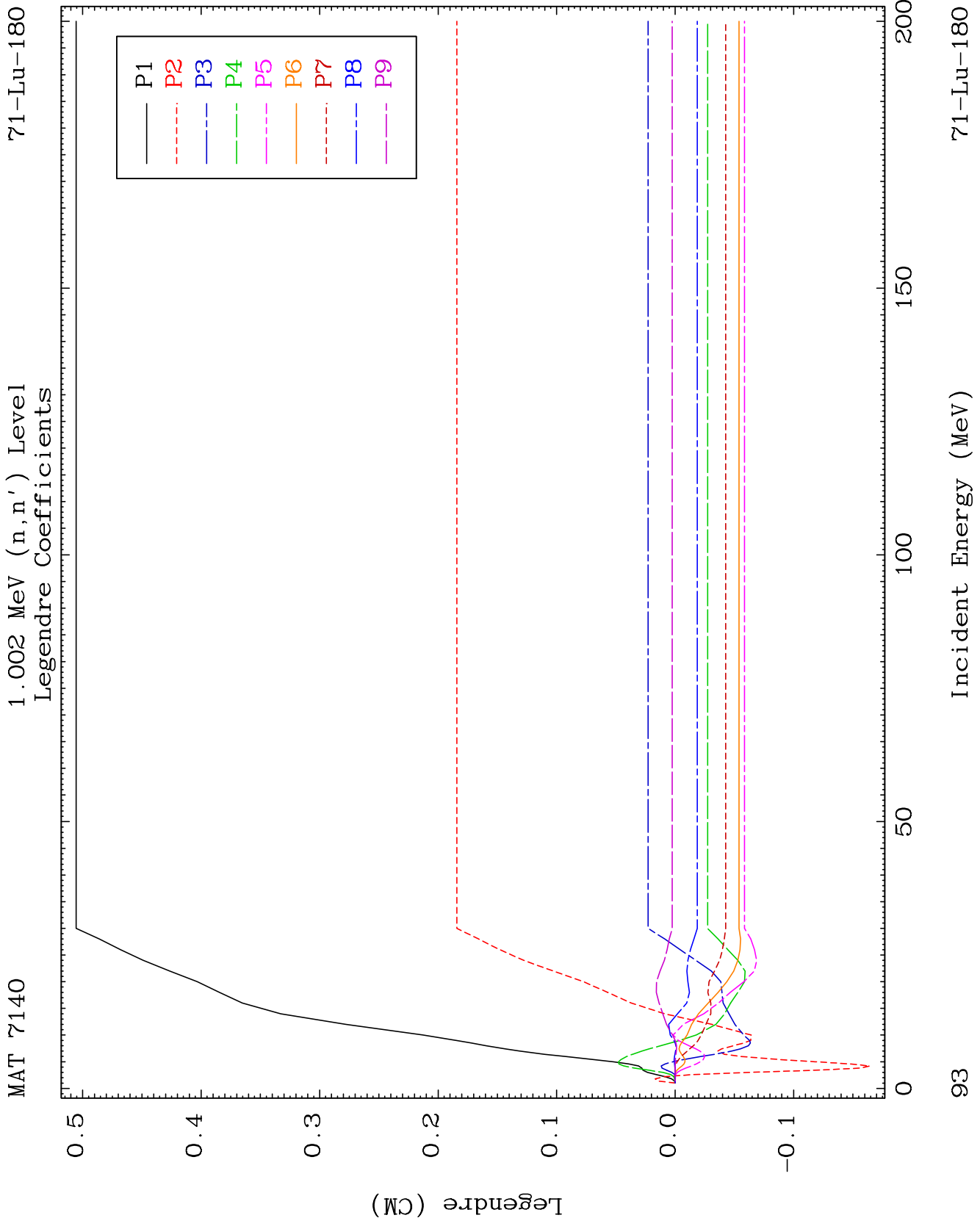


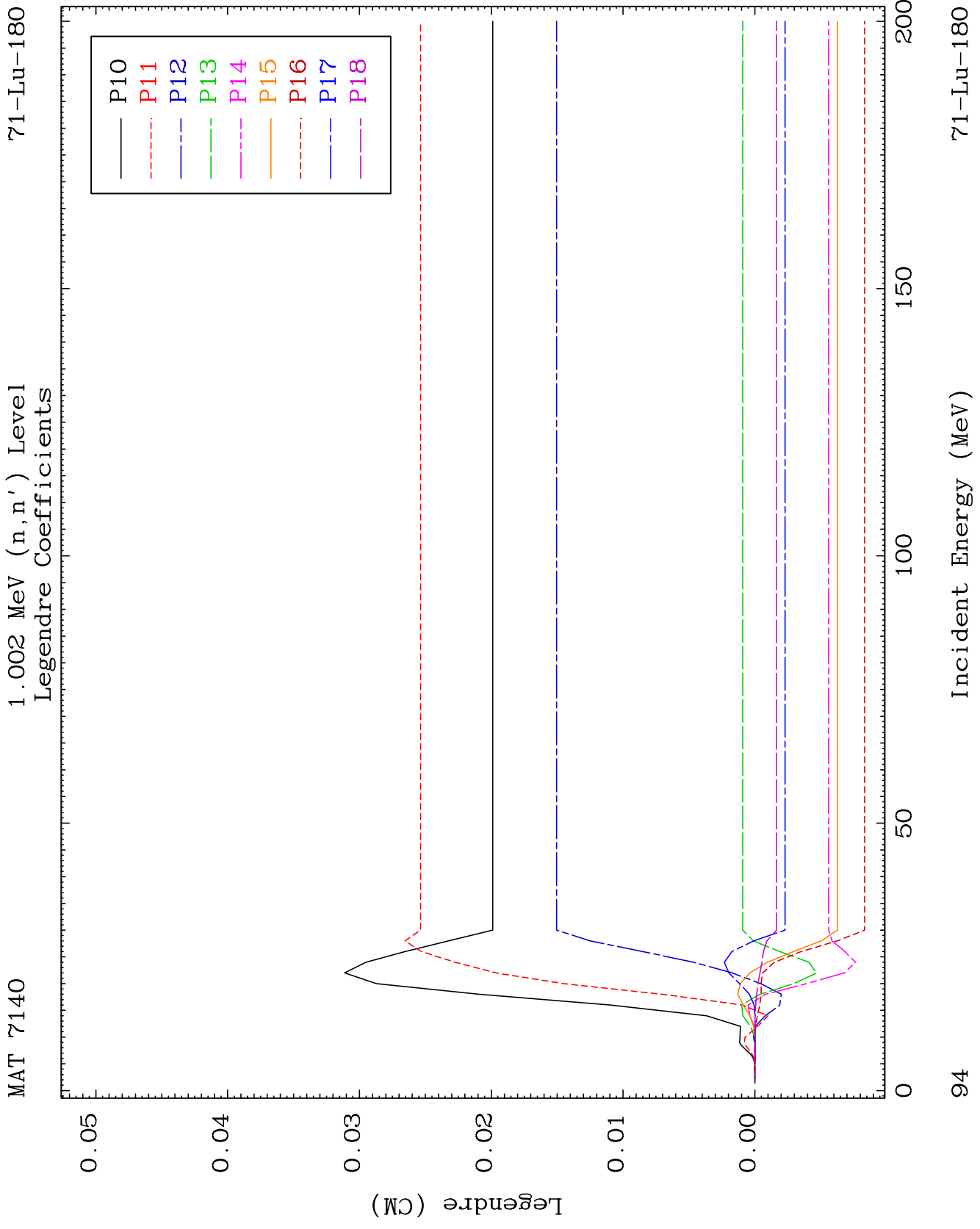


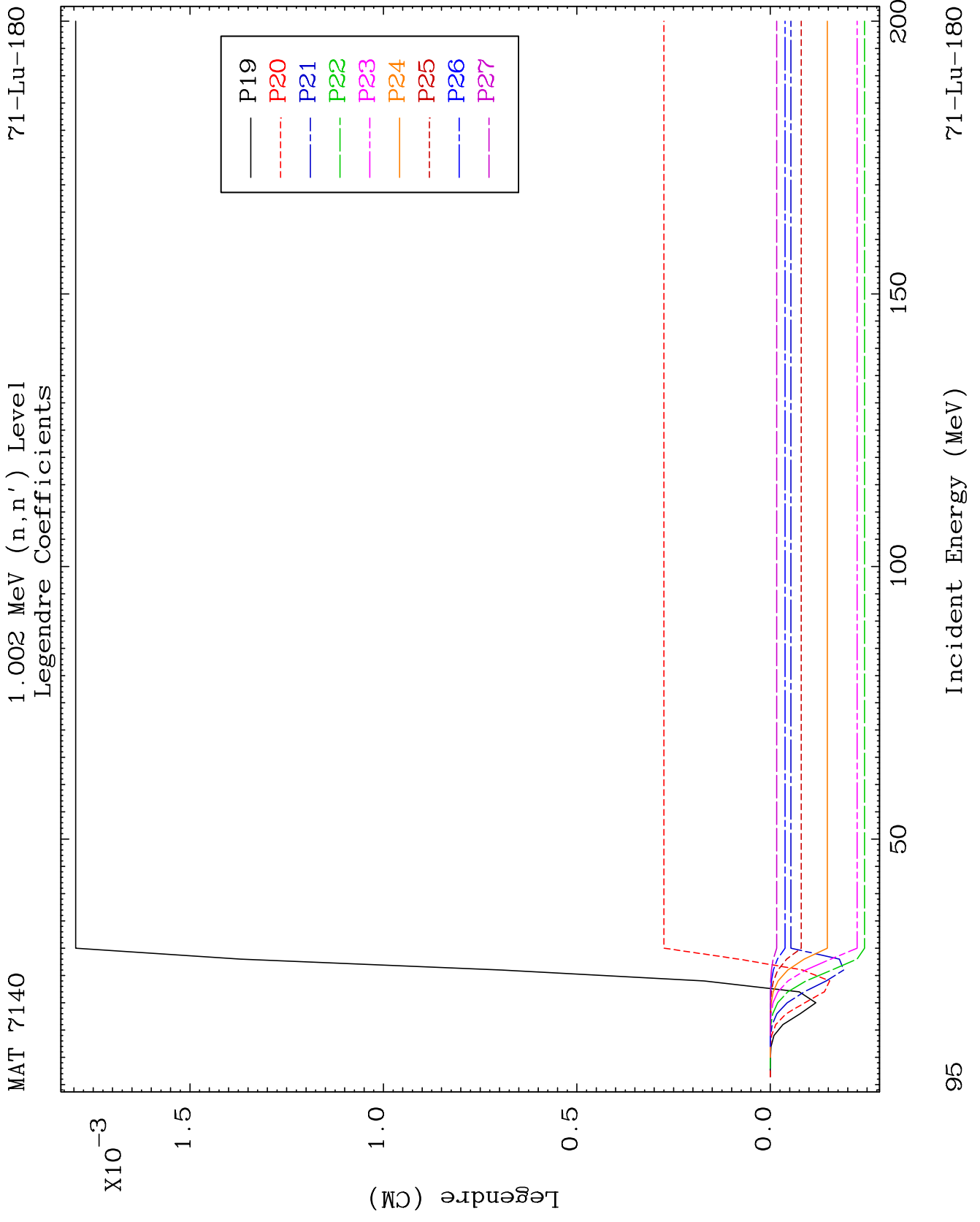


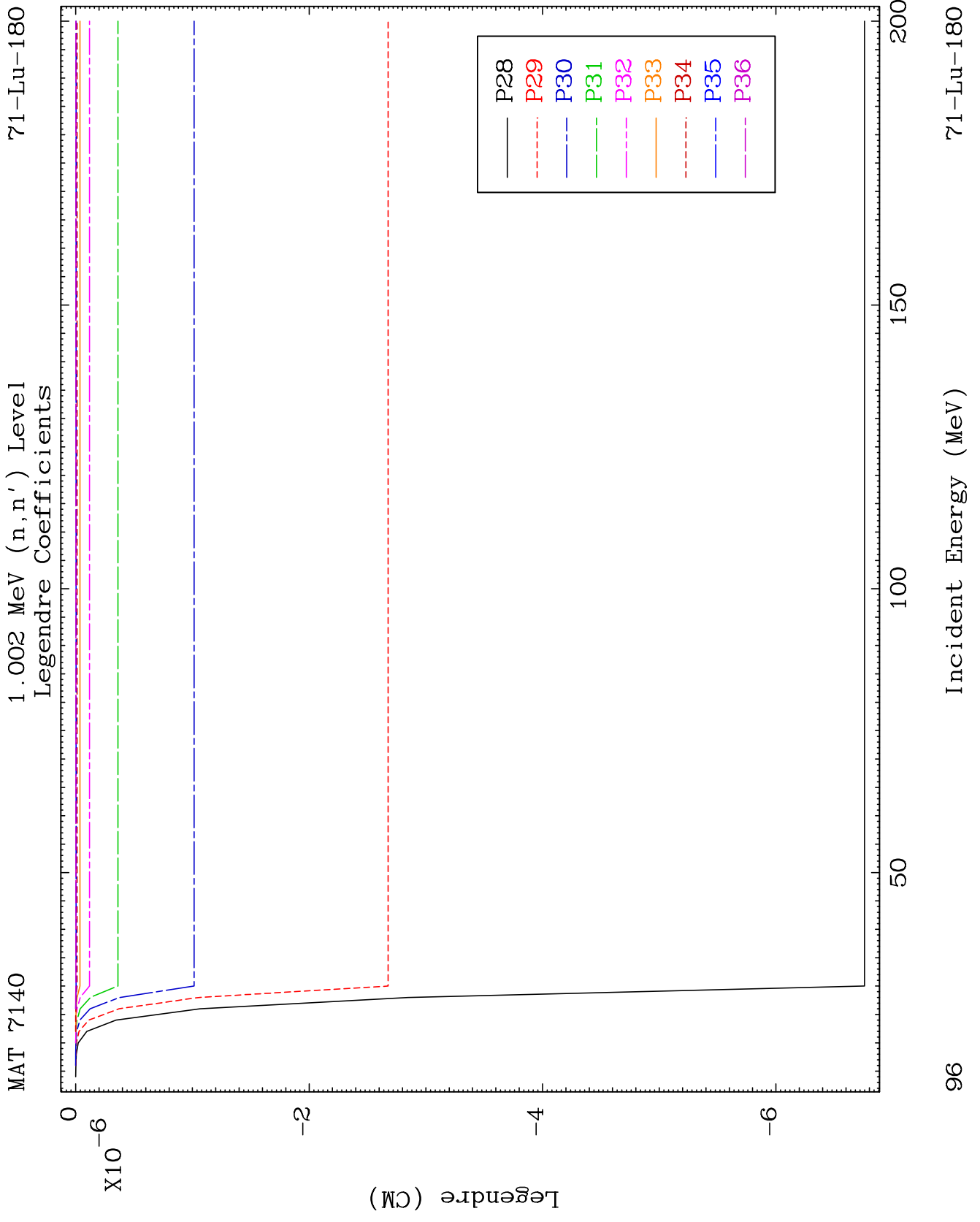


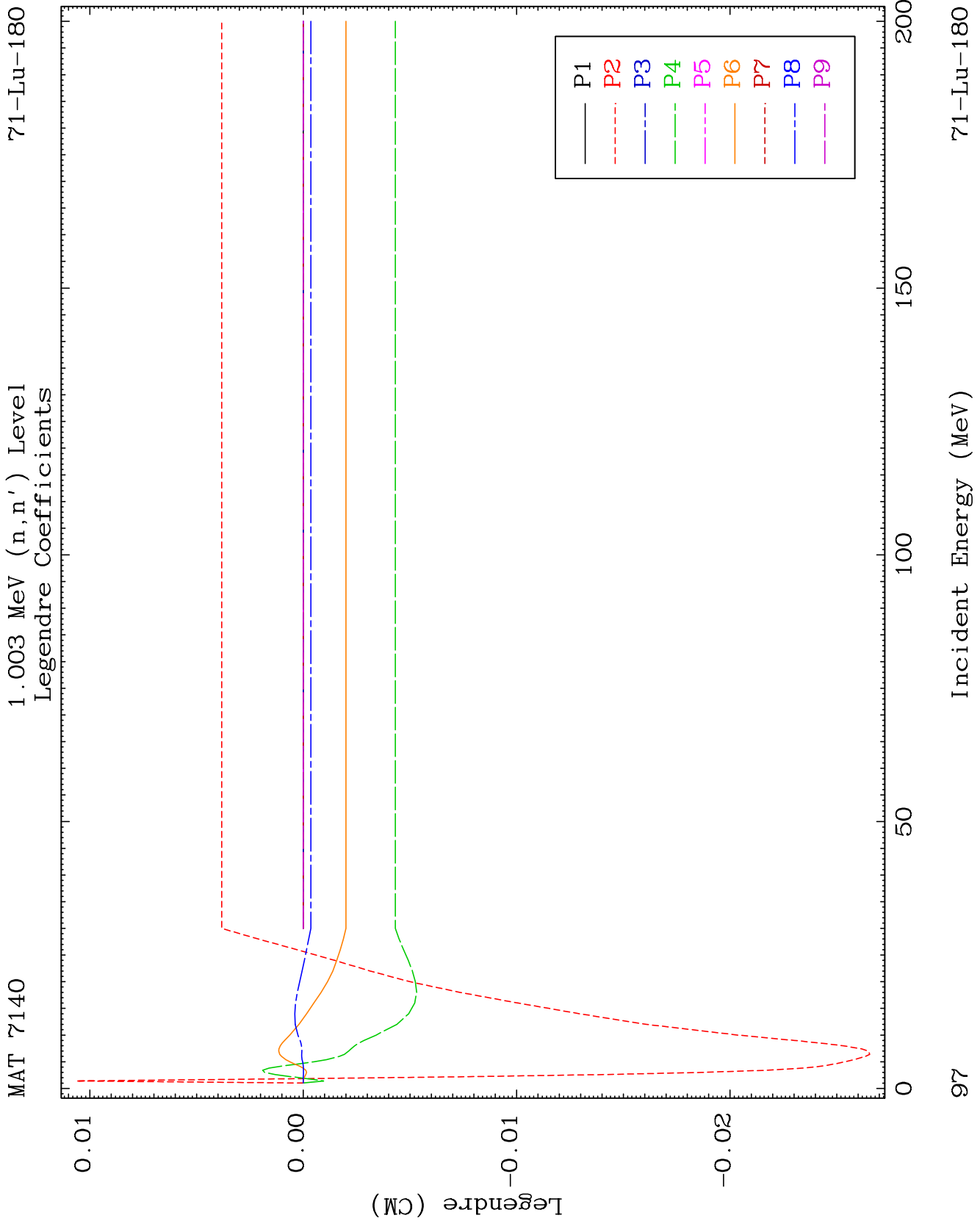


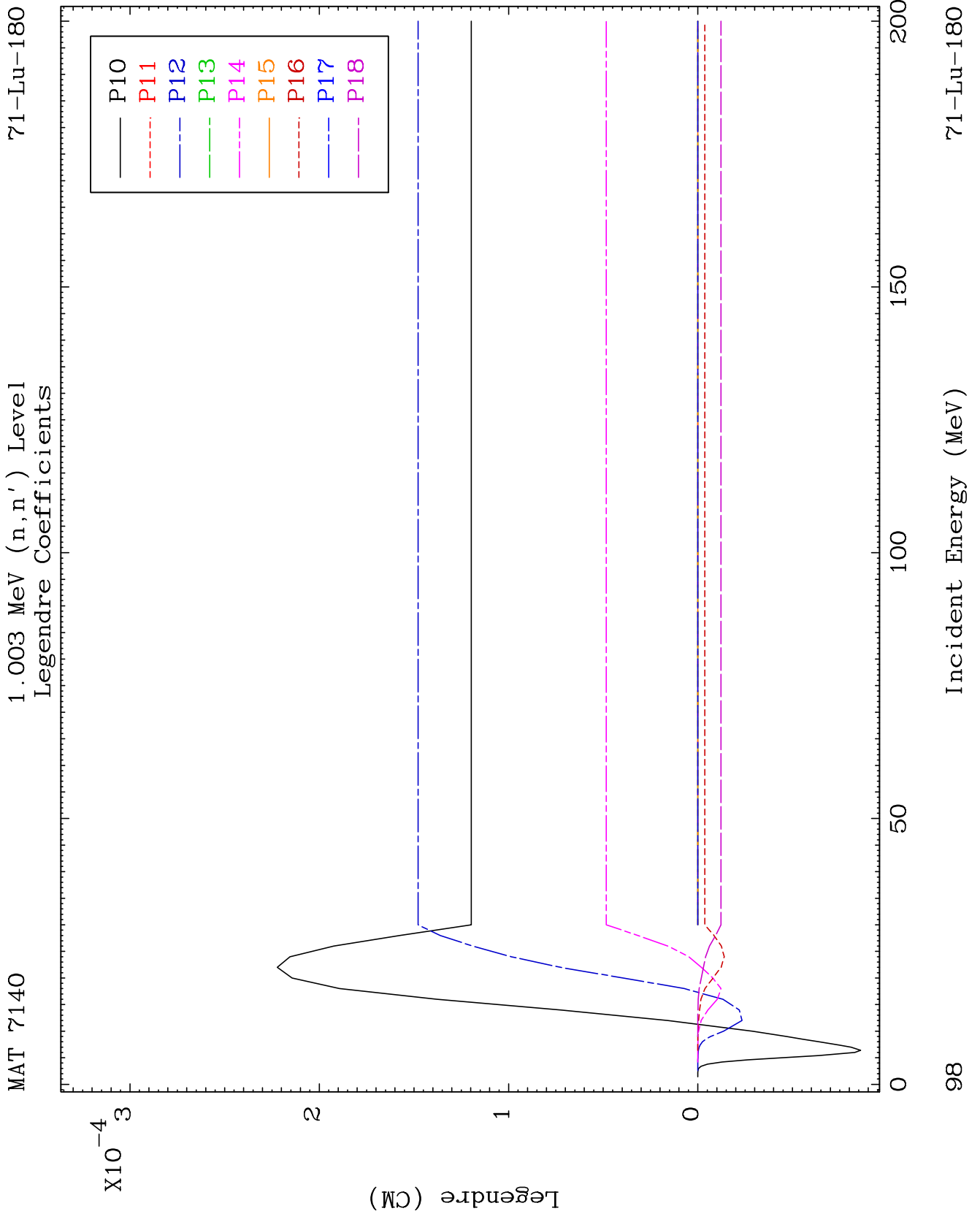


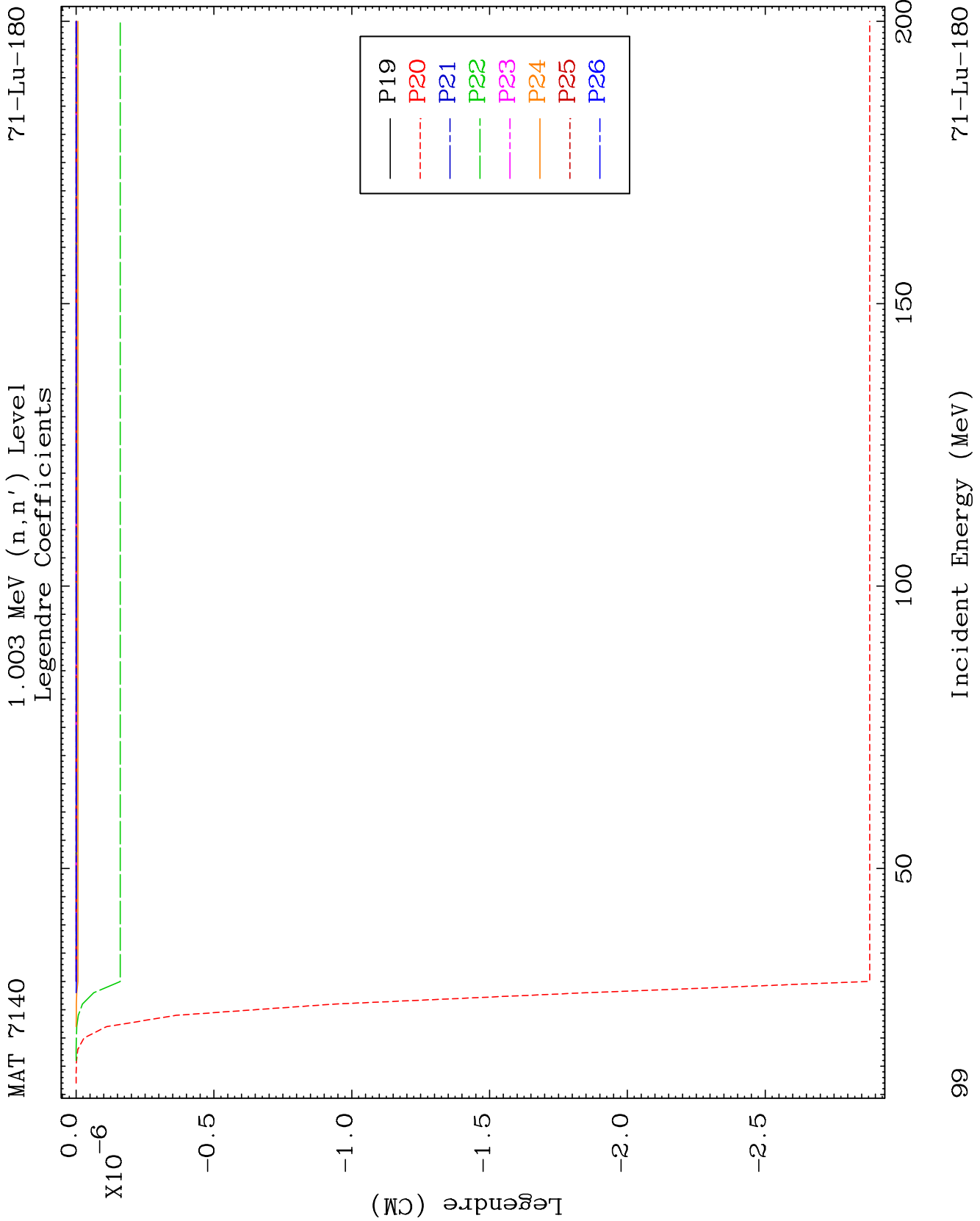


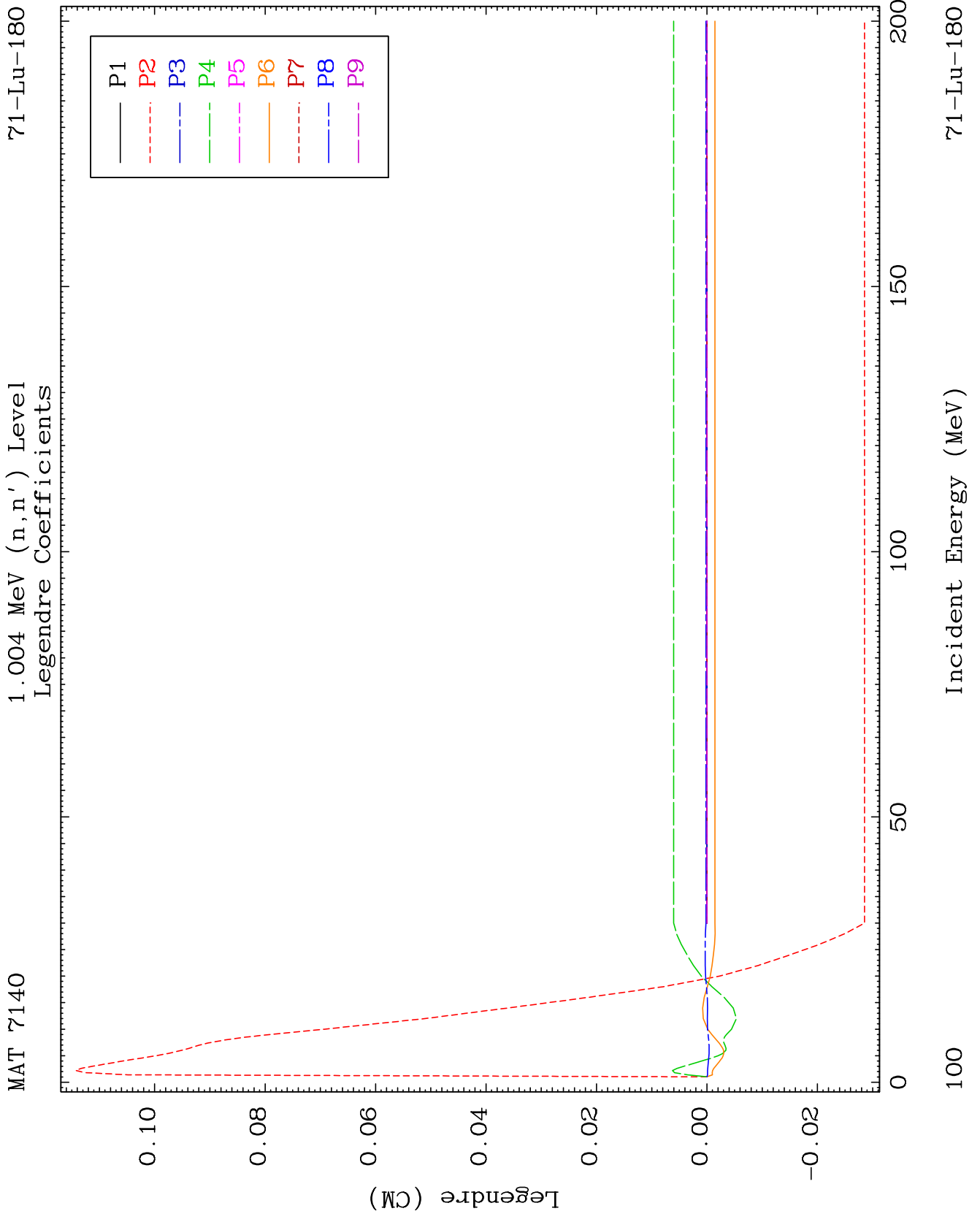








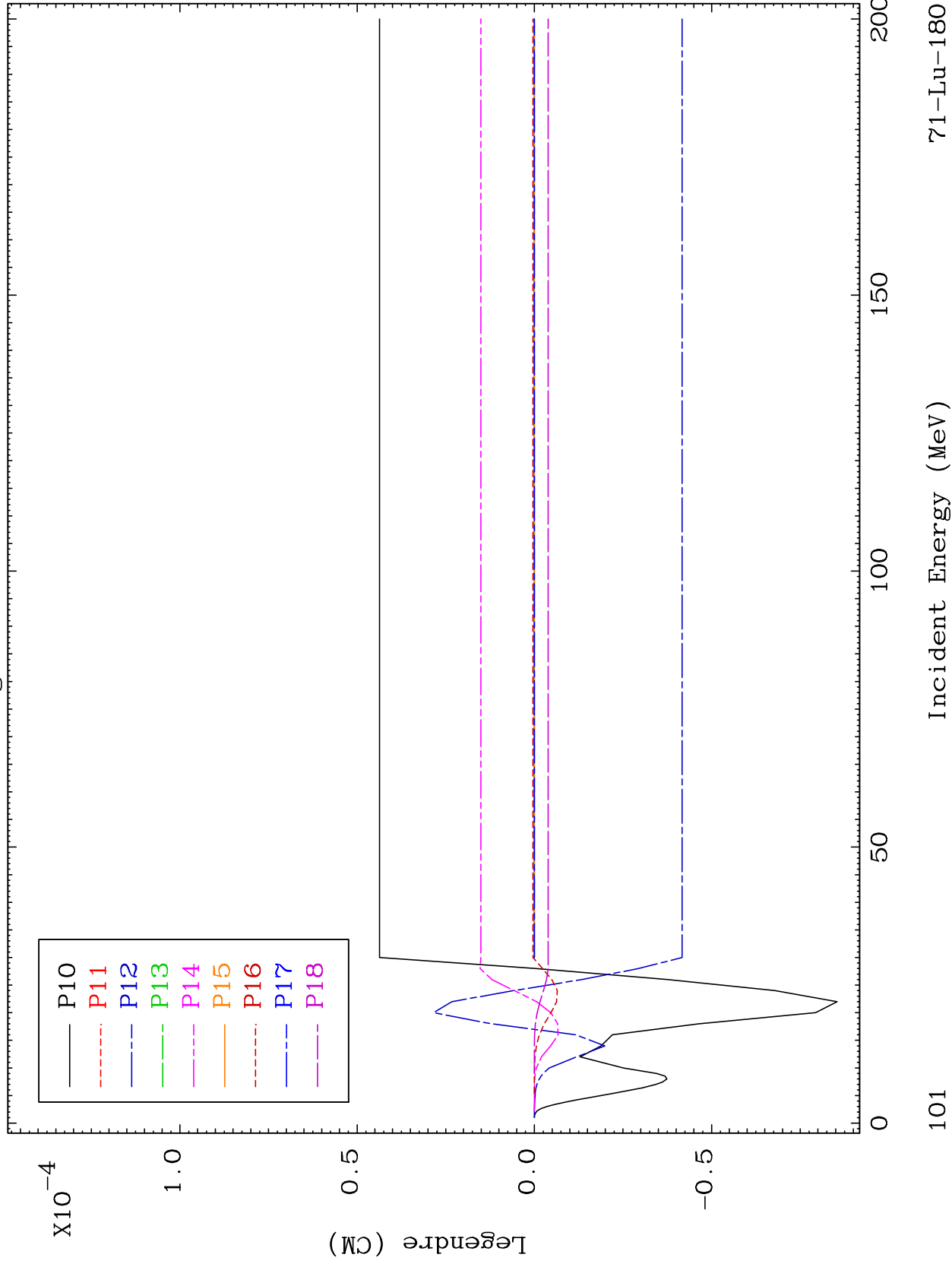




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1.004 MeV (n,n') Level
Legendre Coefficients

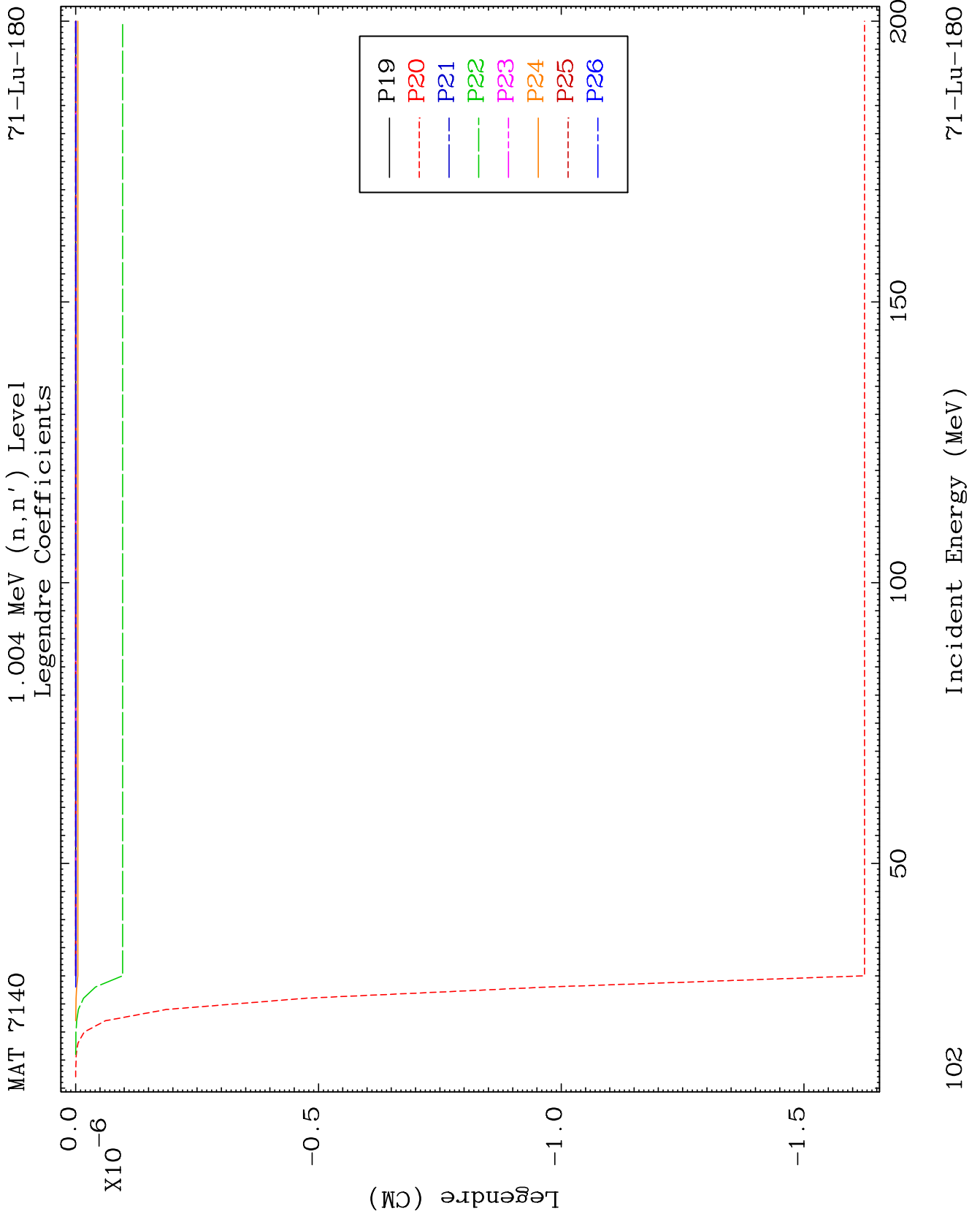
71-Lu-180

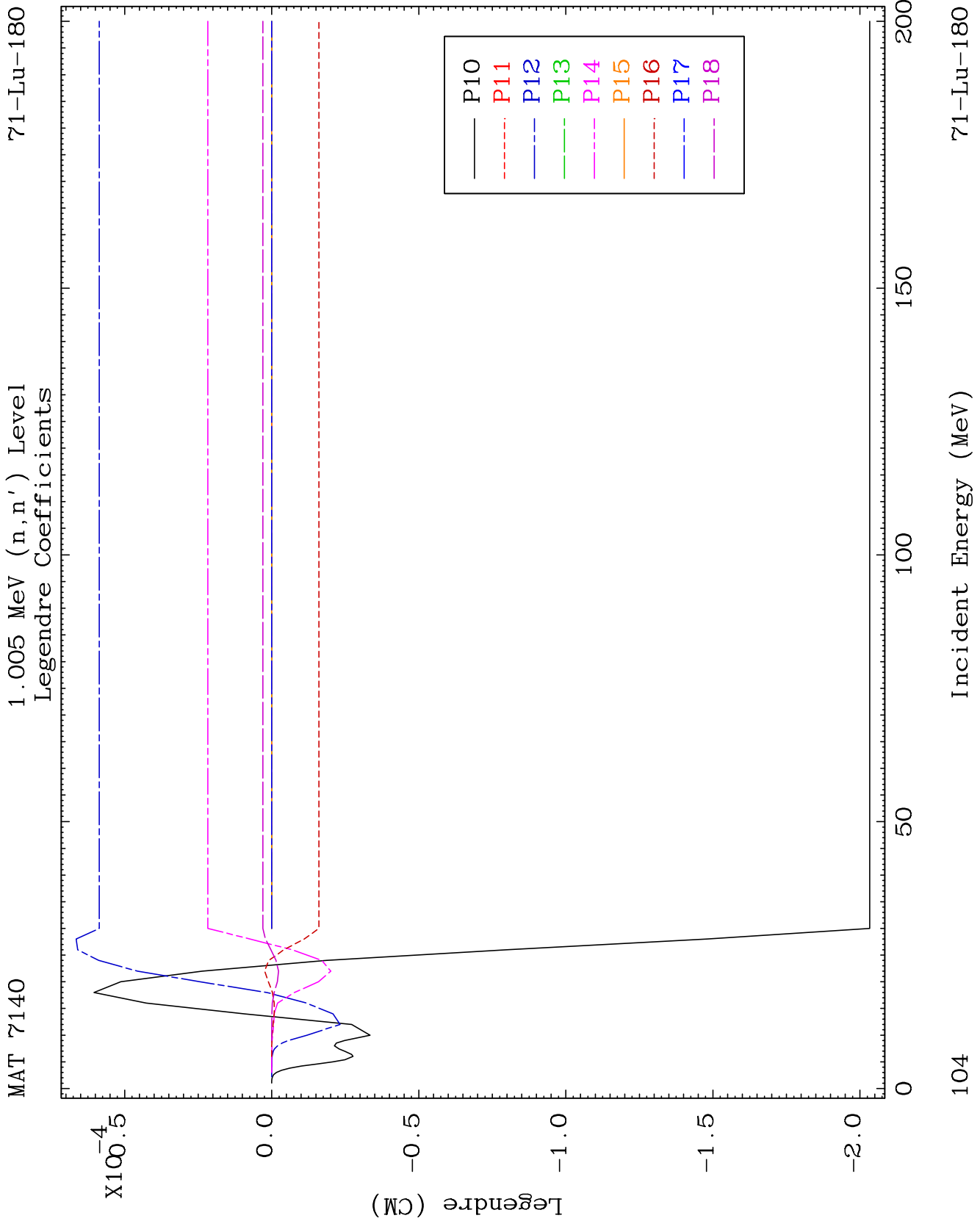


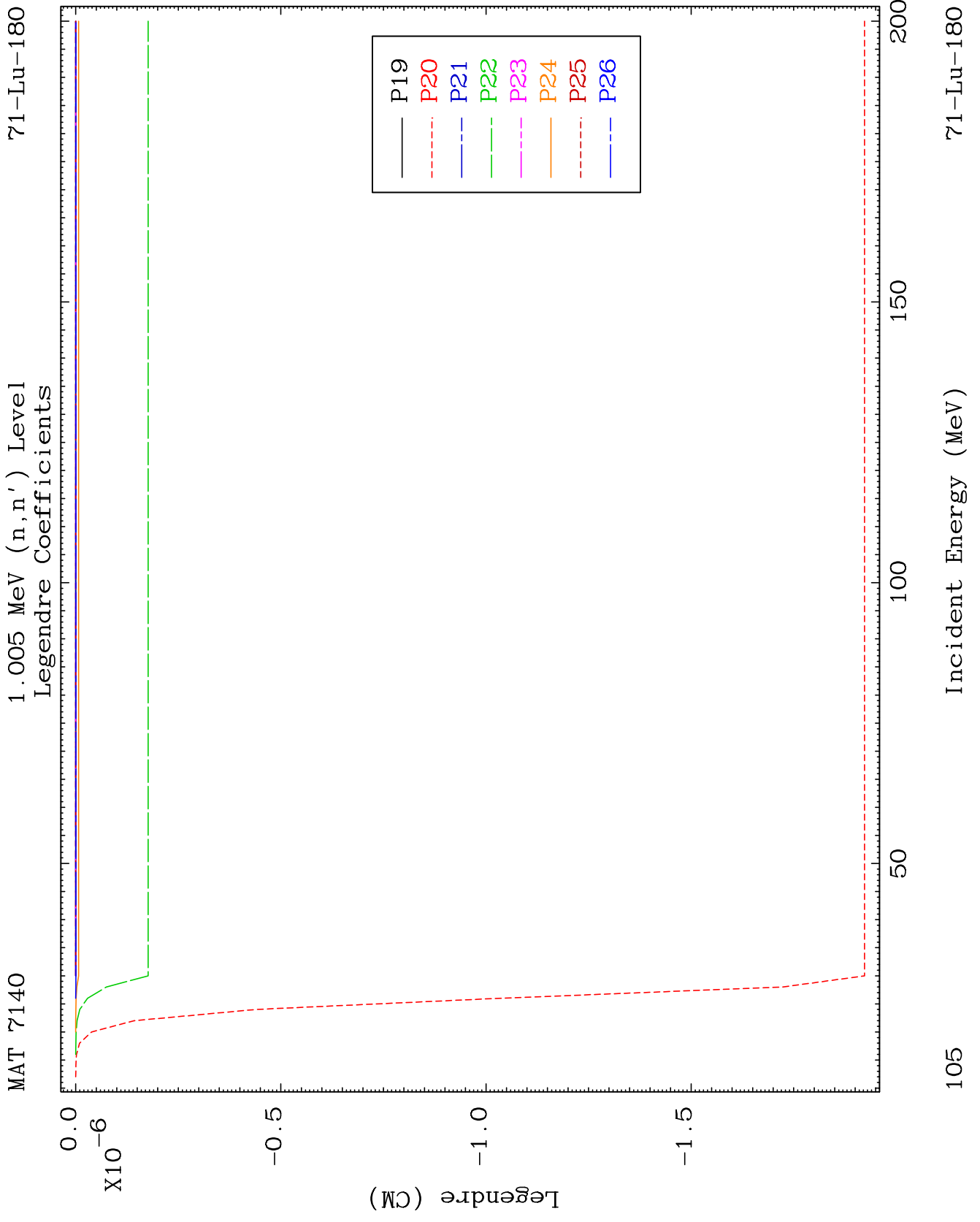
101

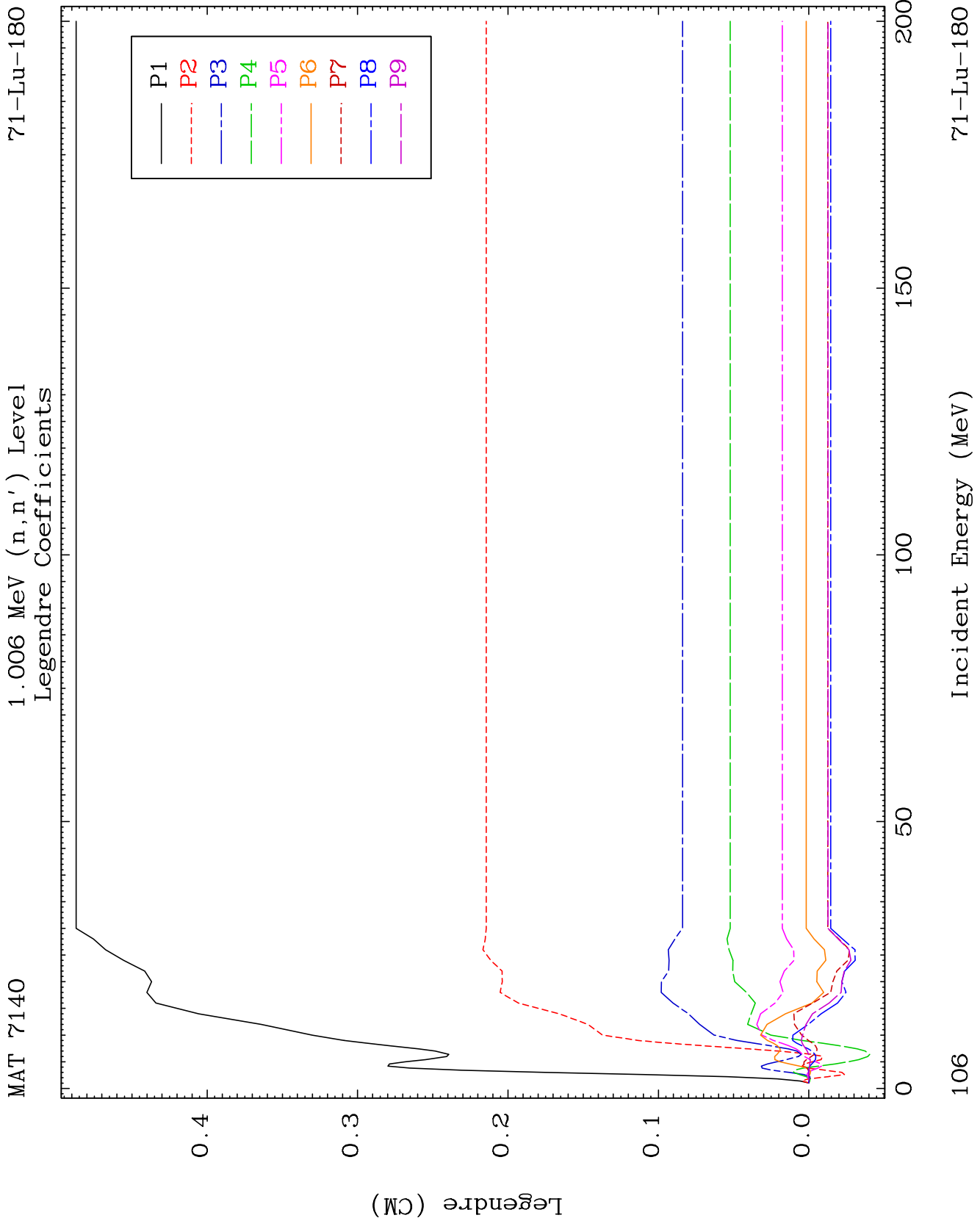
Incident Energy (MeV)

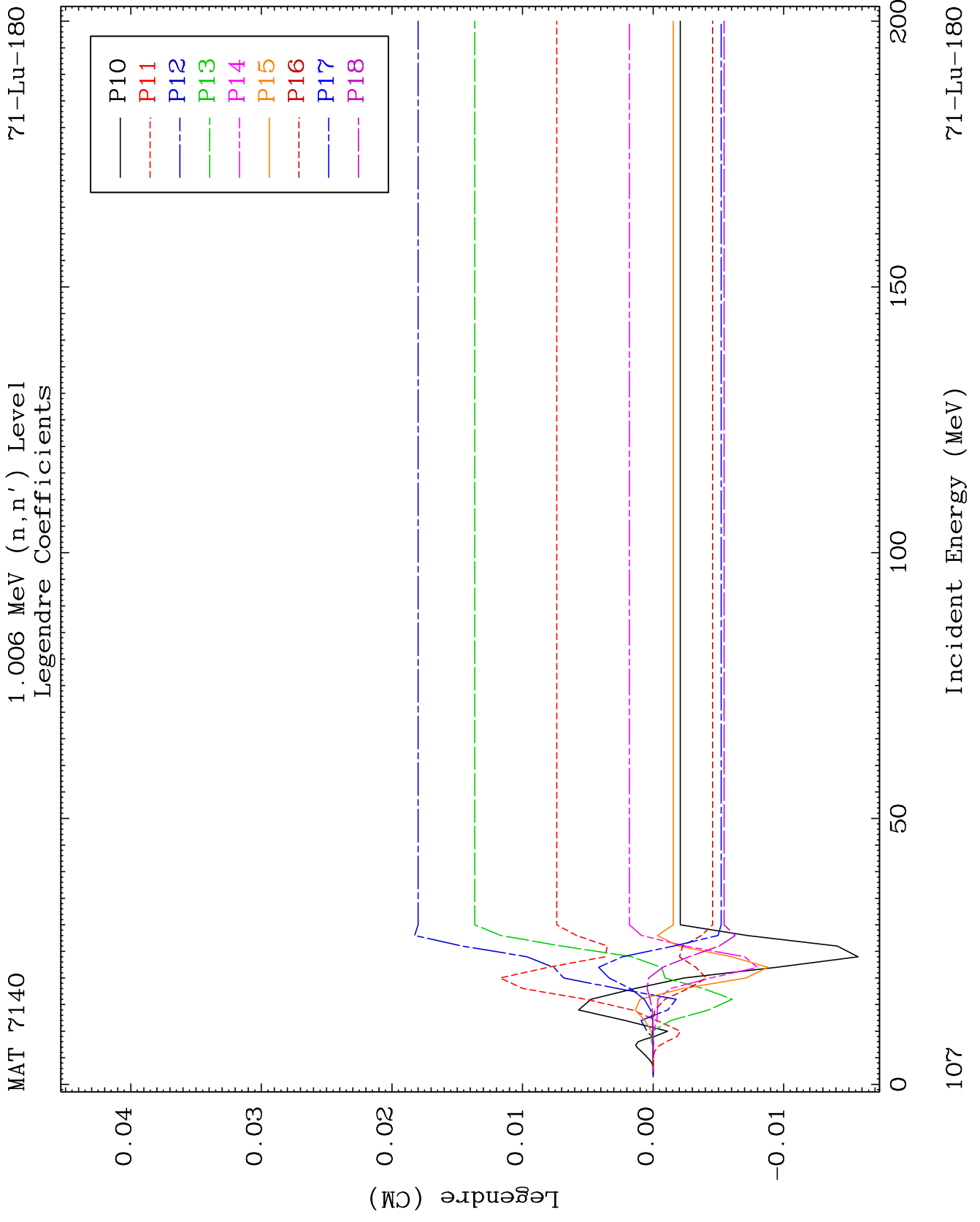
71-Lu-180

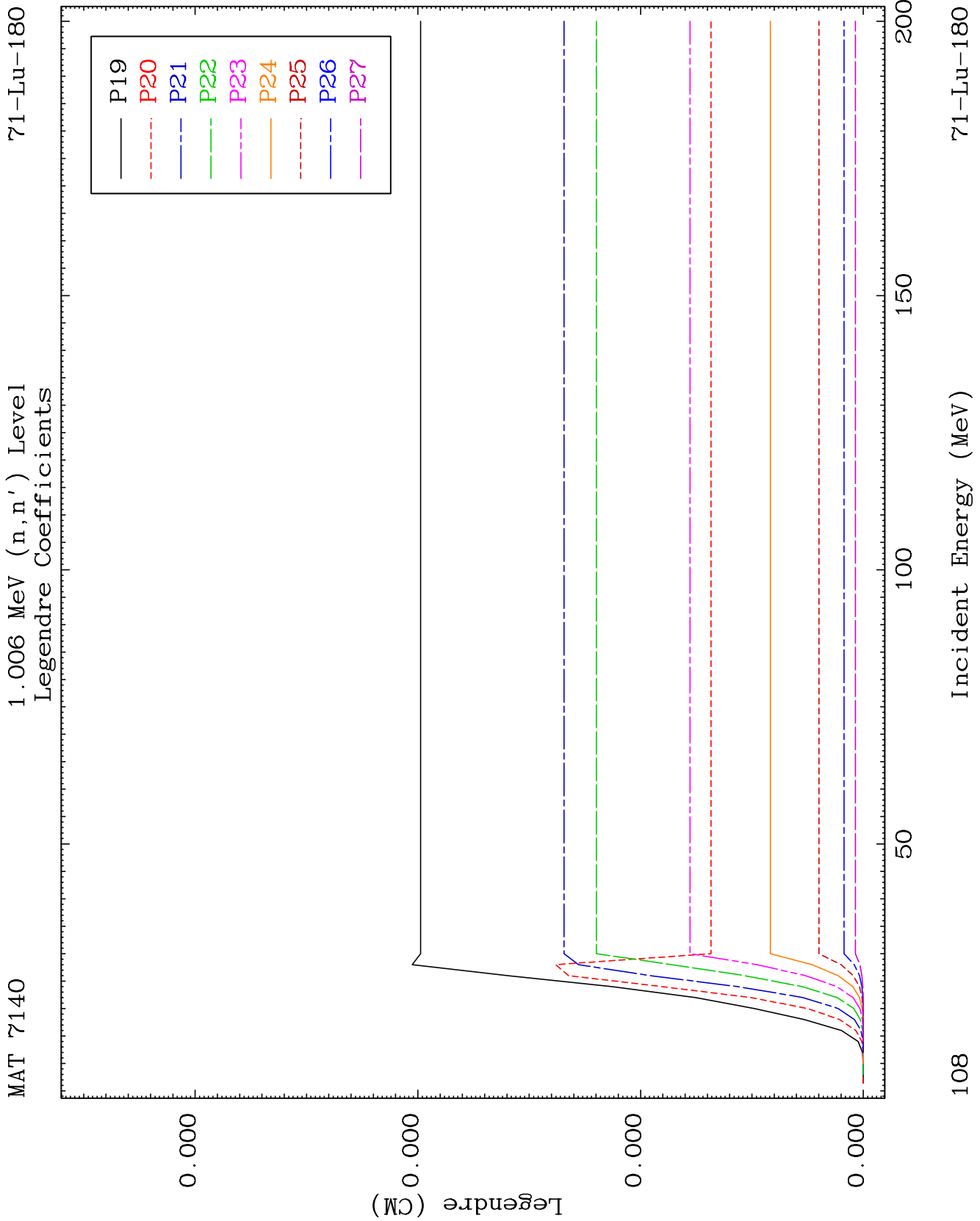


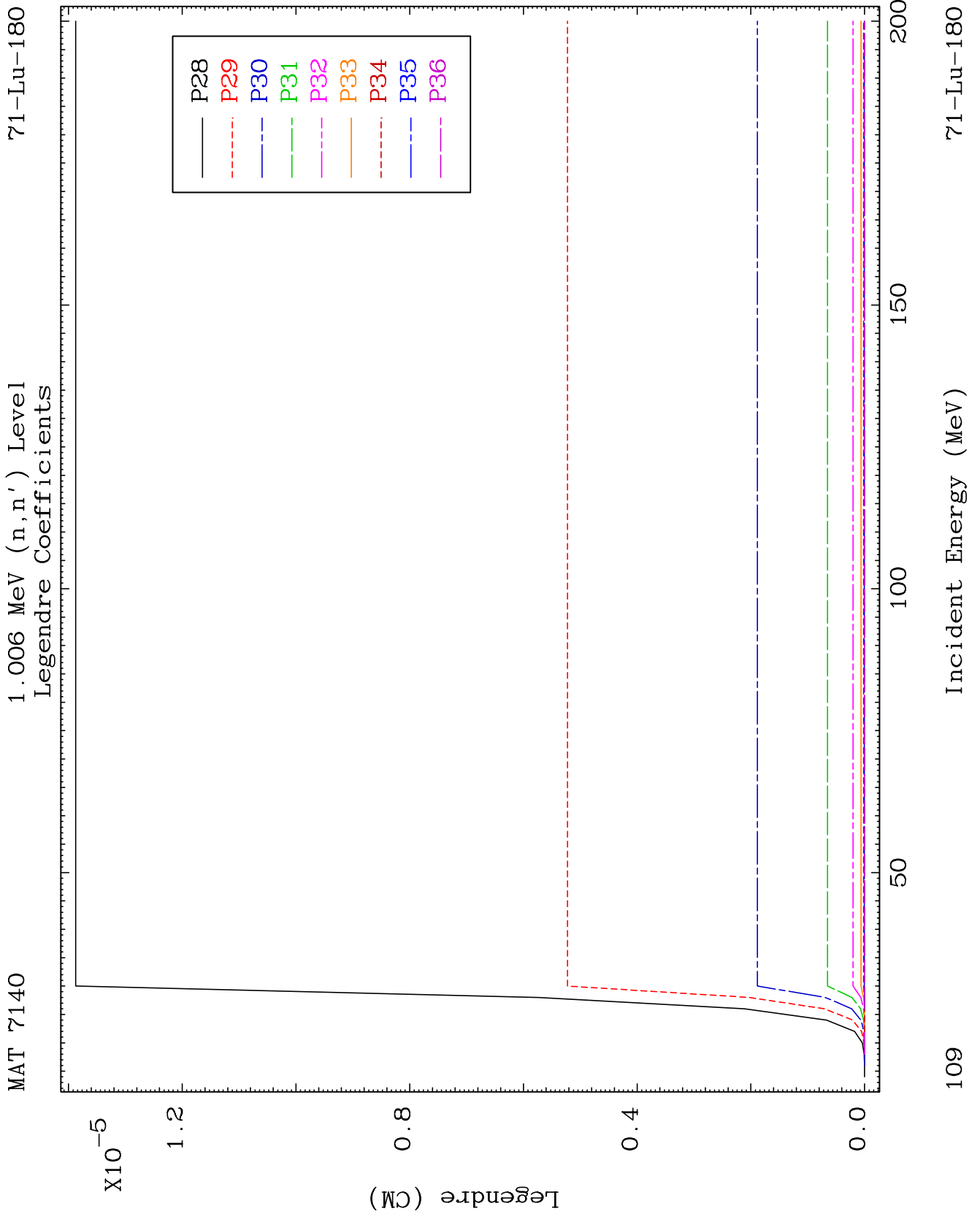


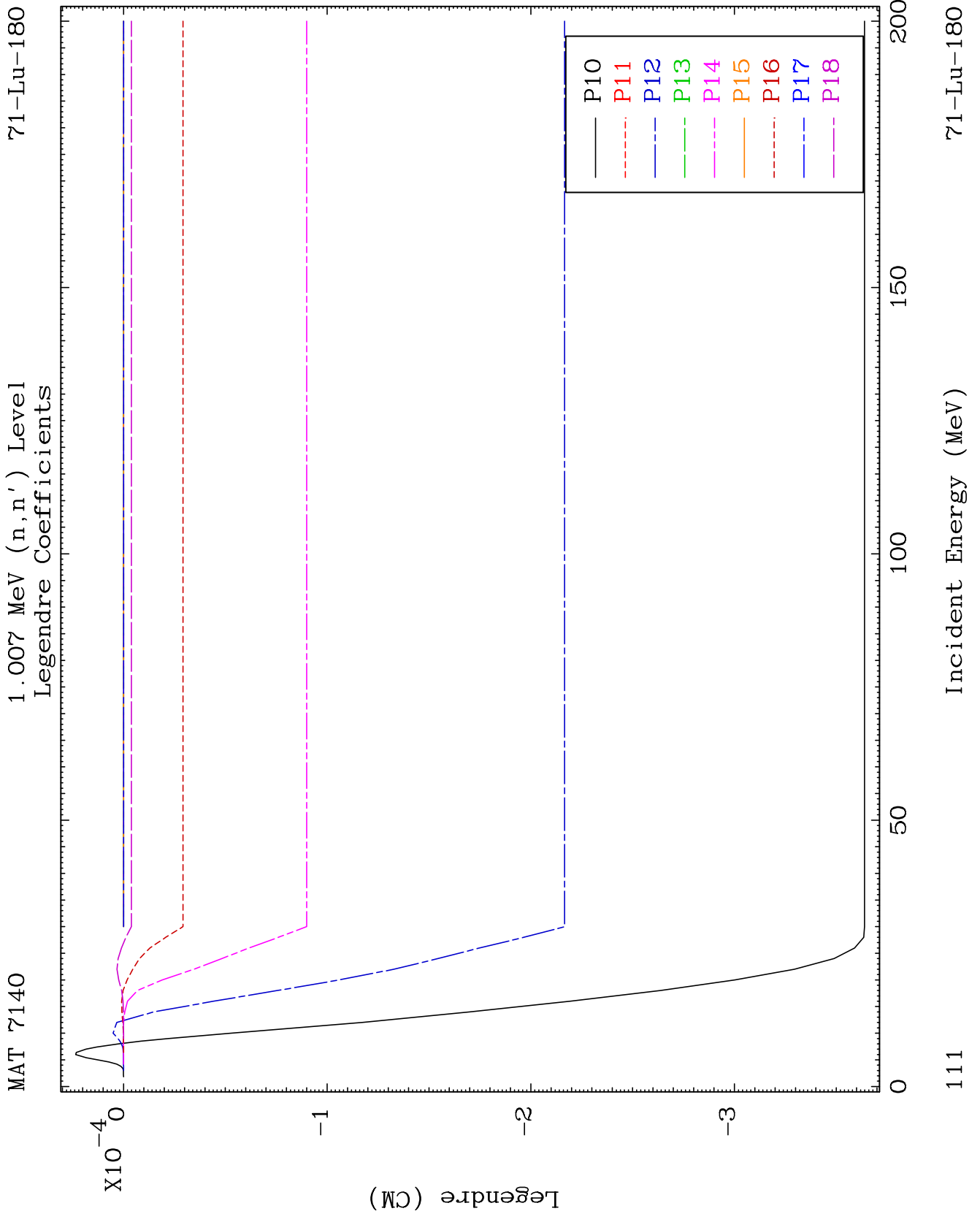


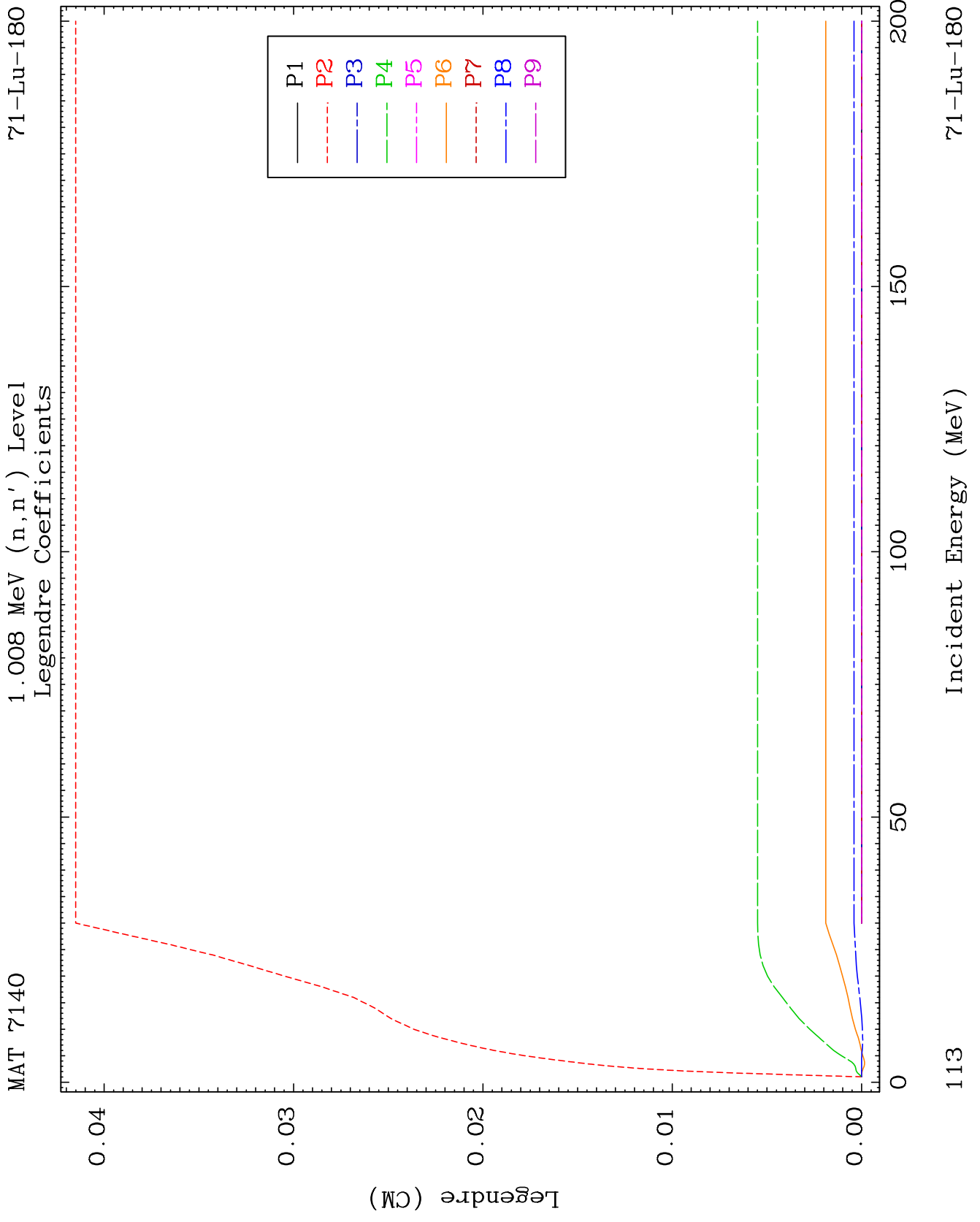


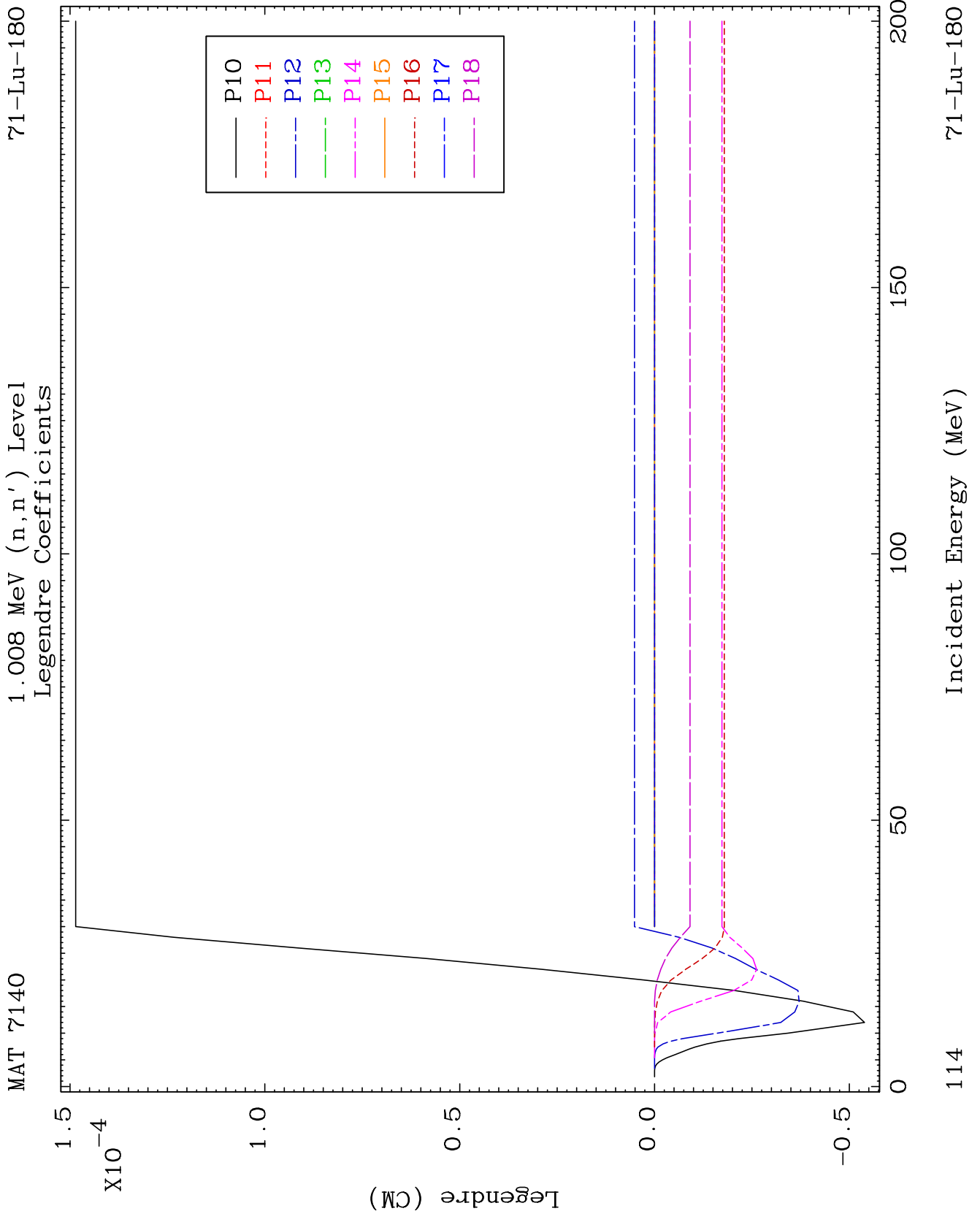


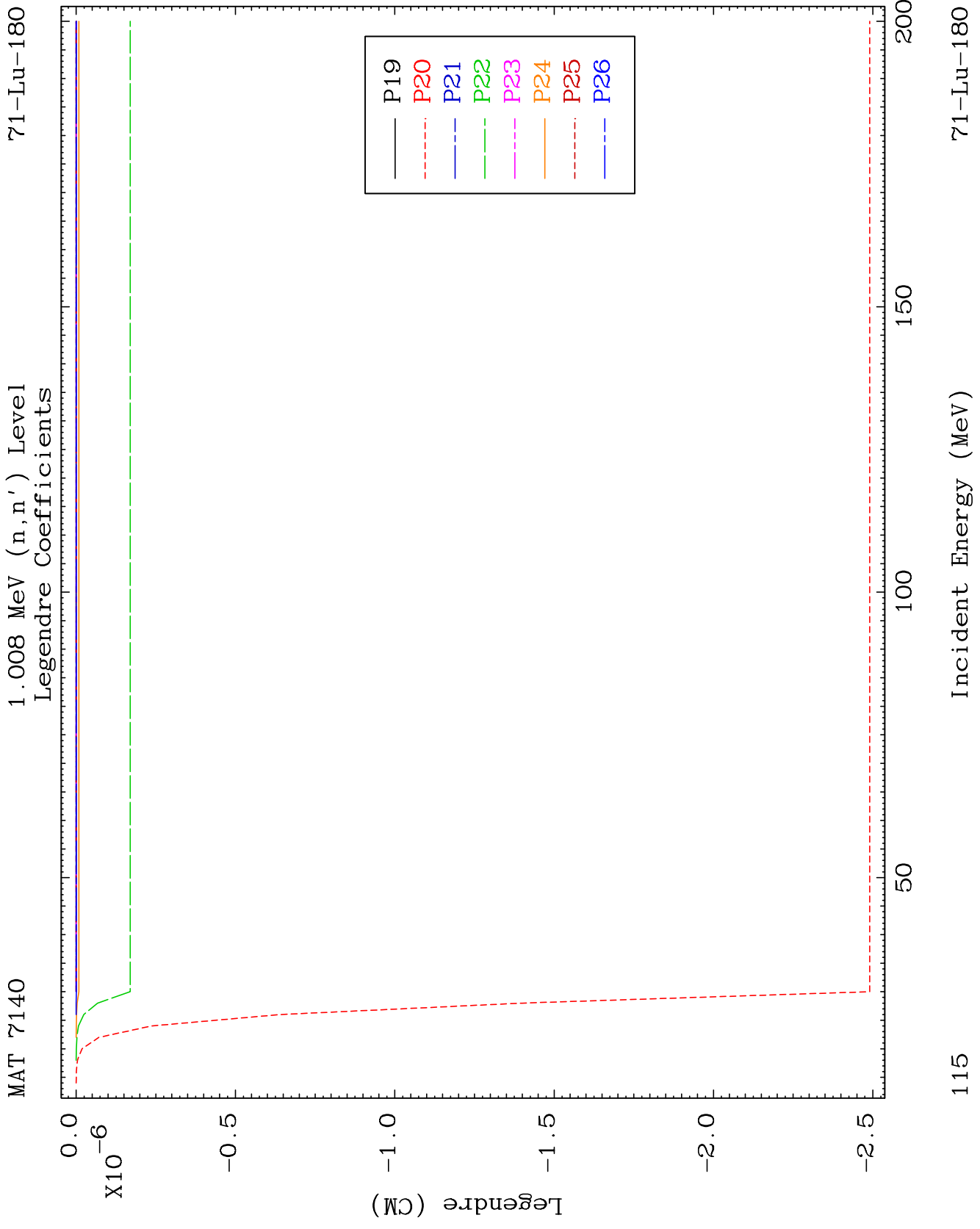


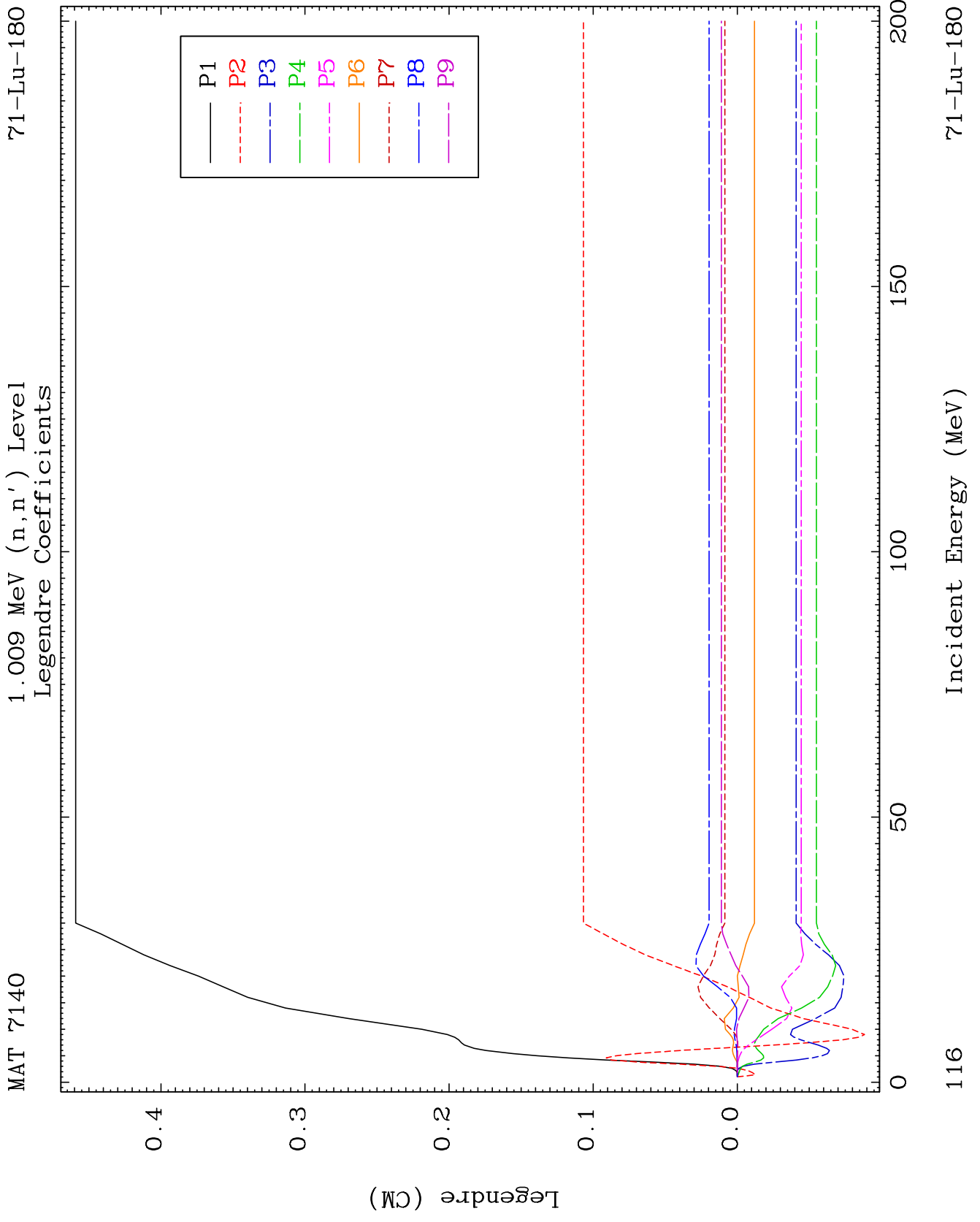


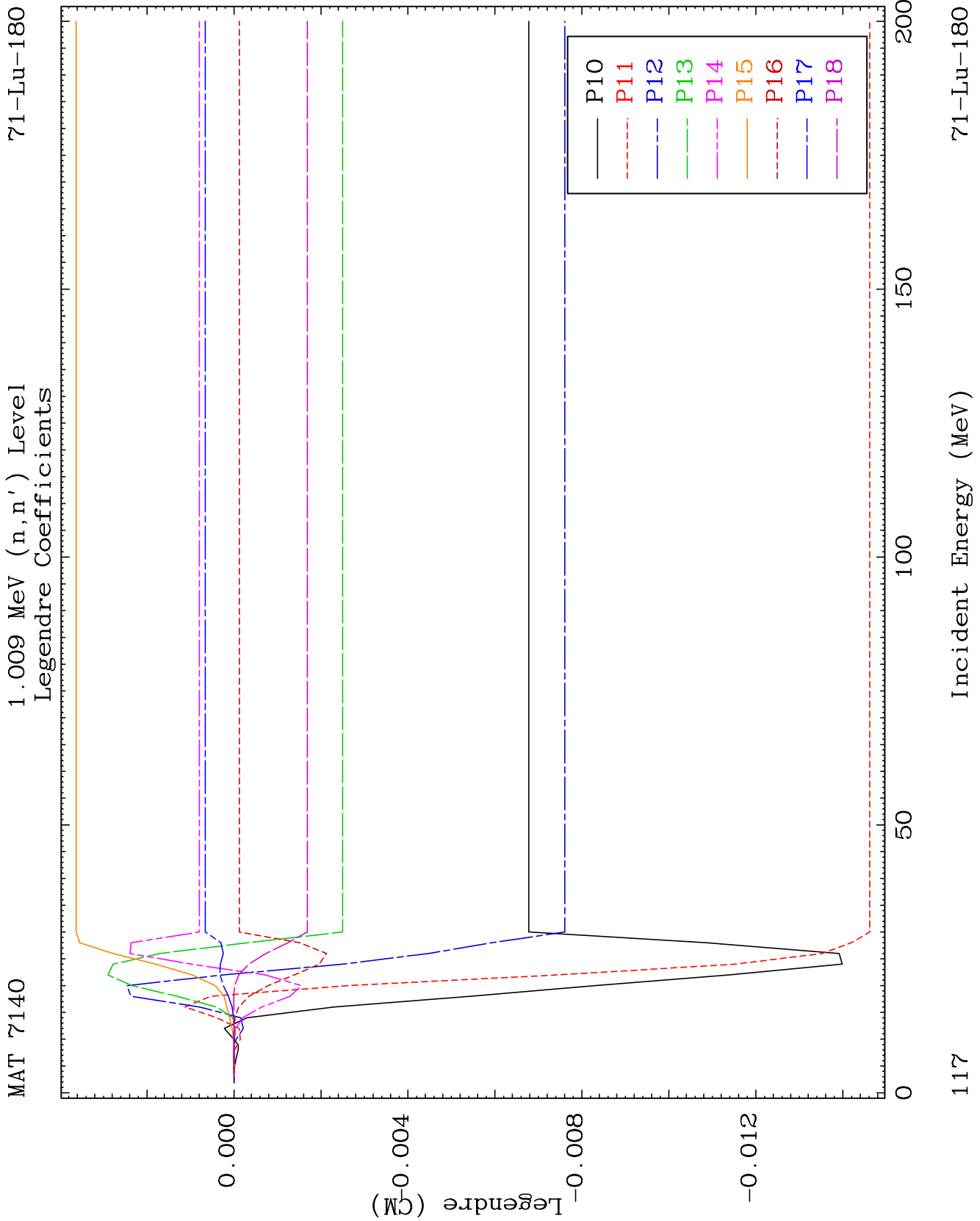


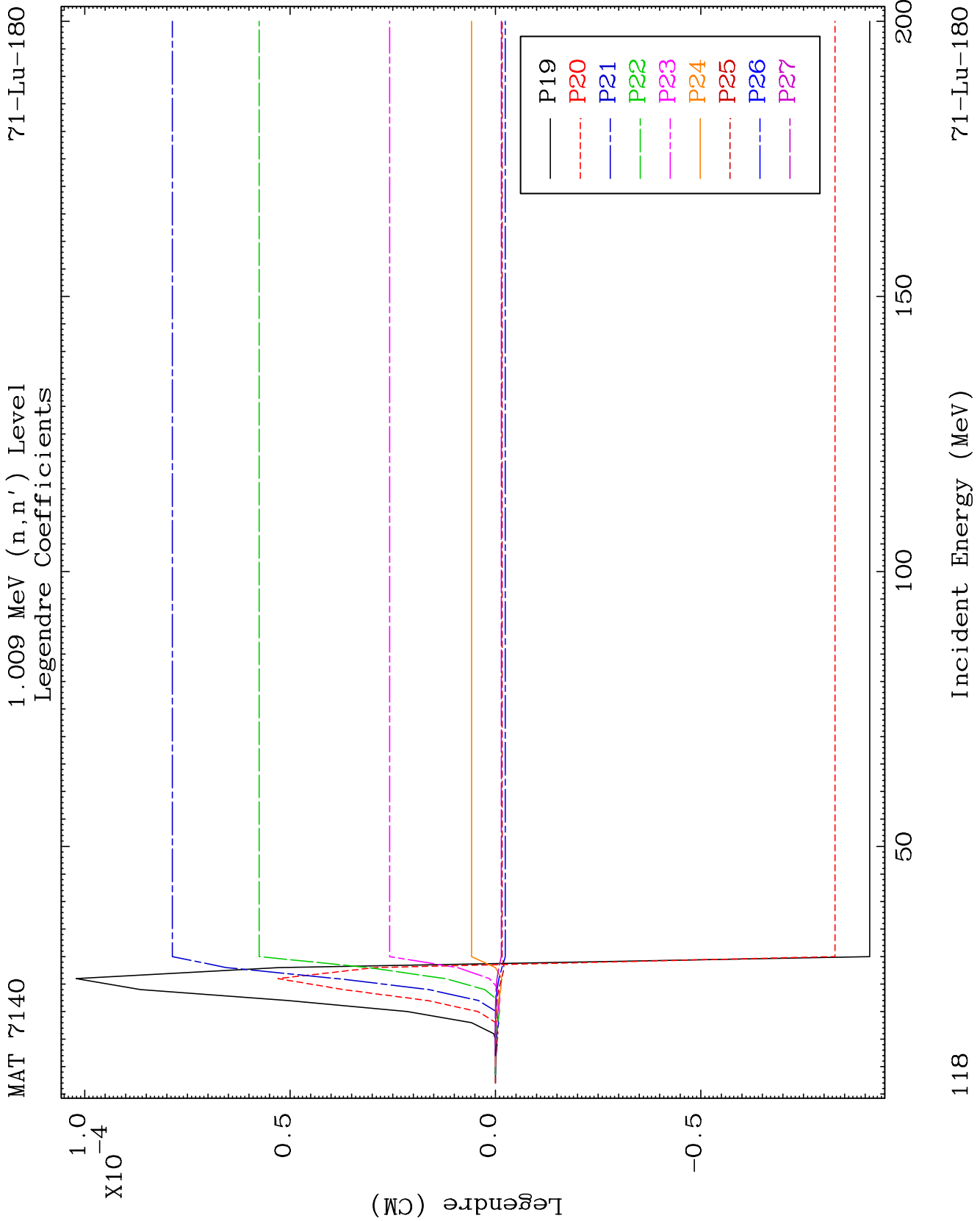


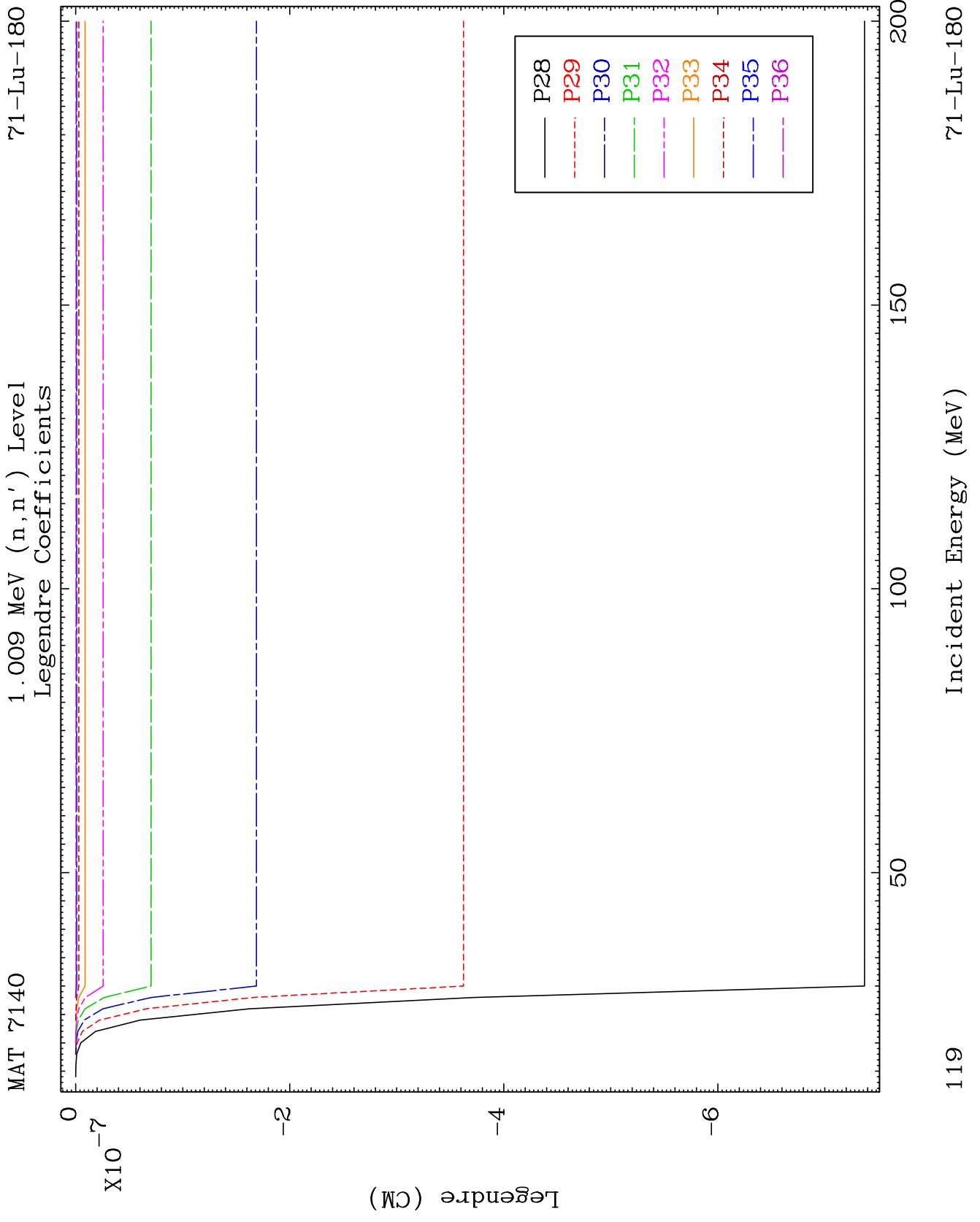


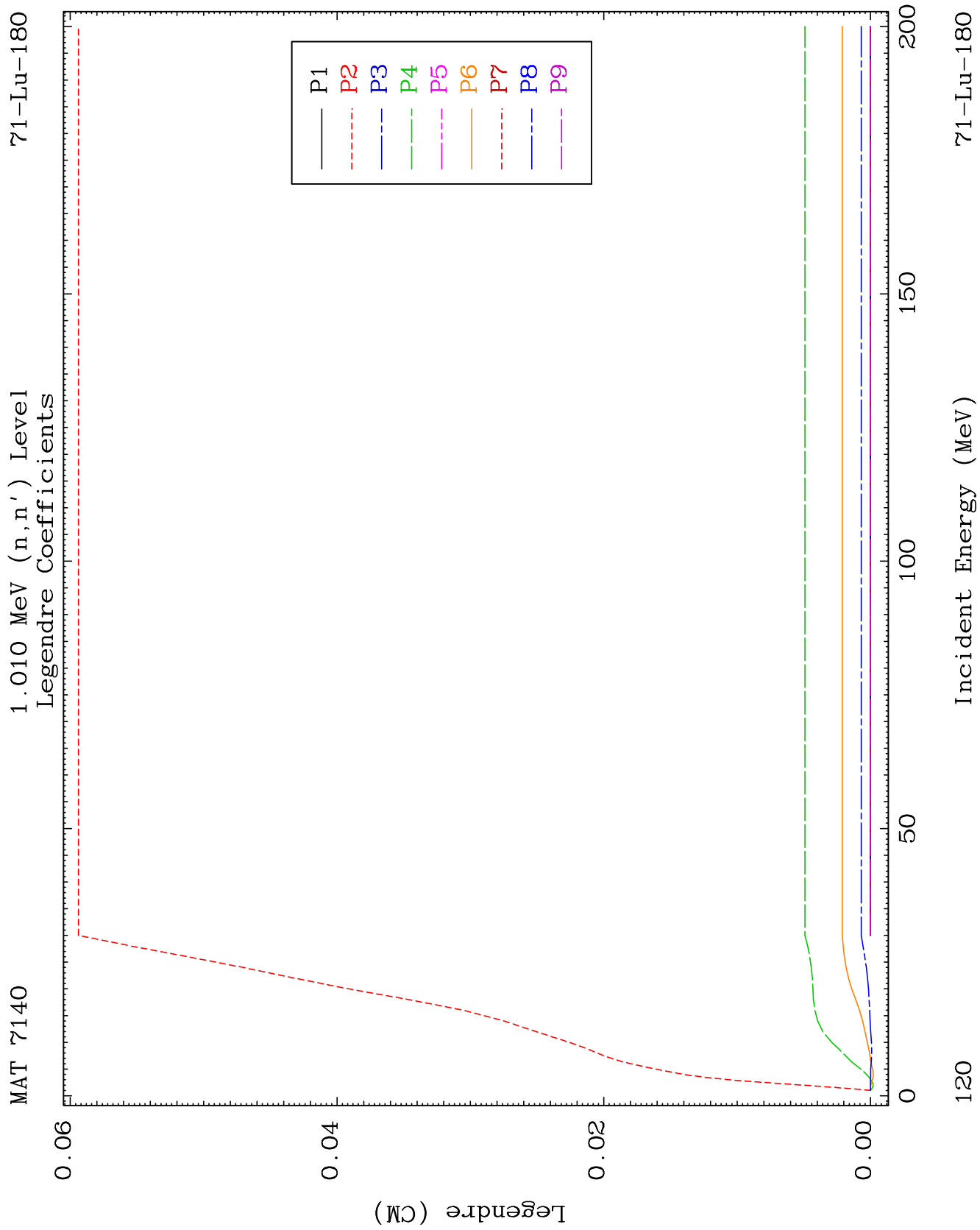


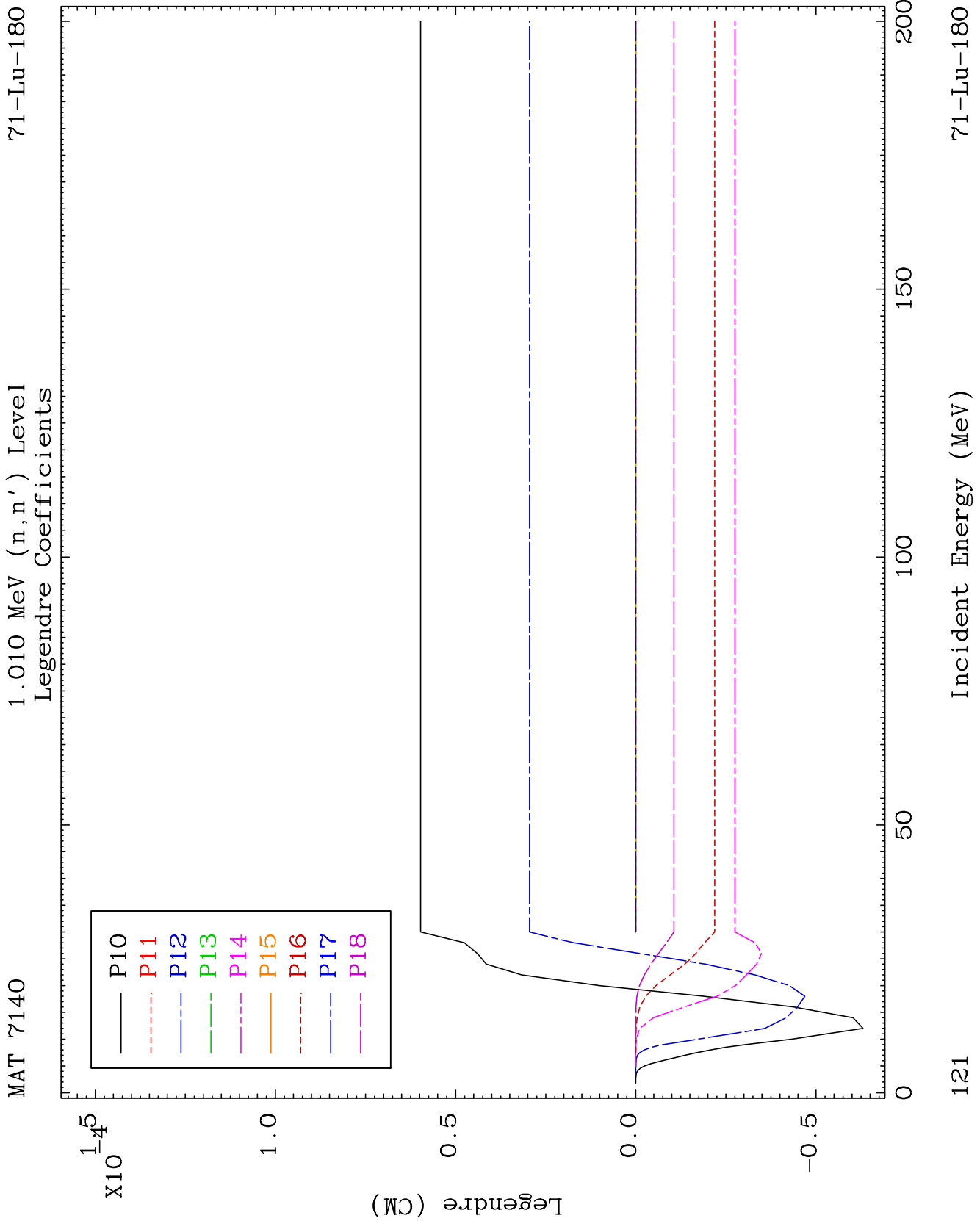


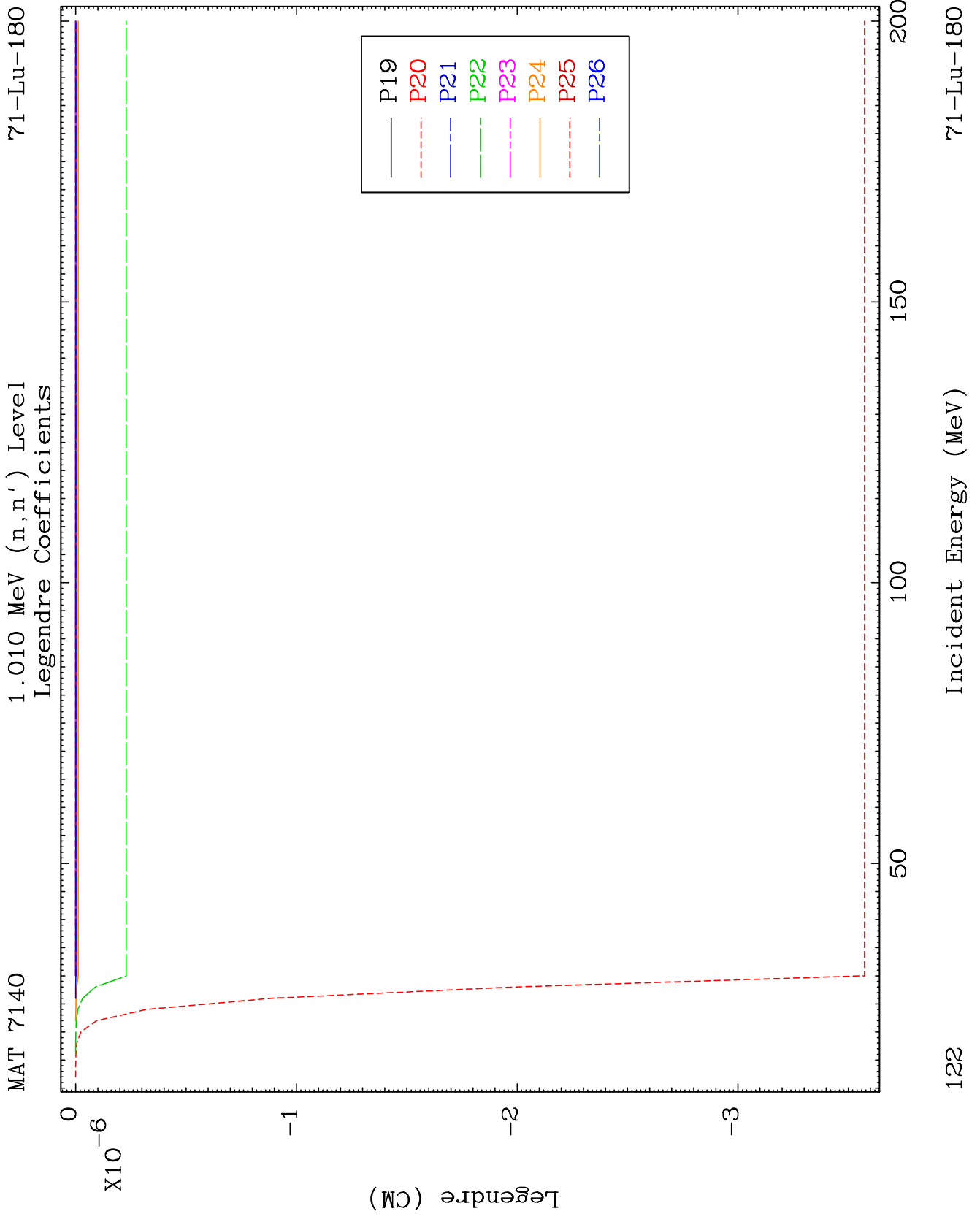




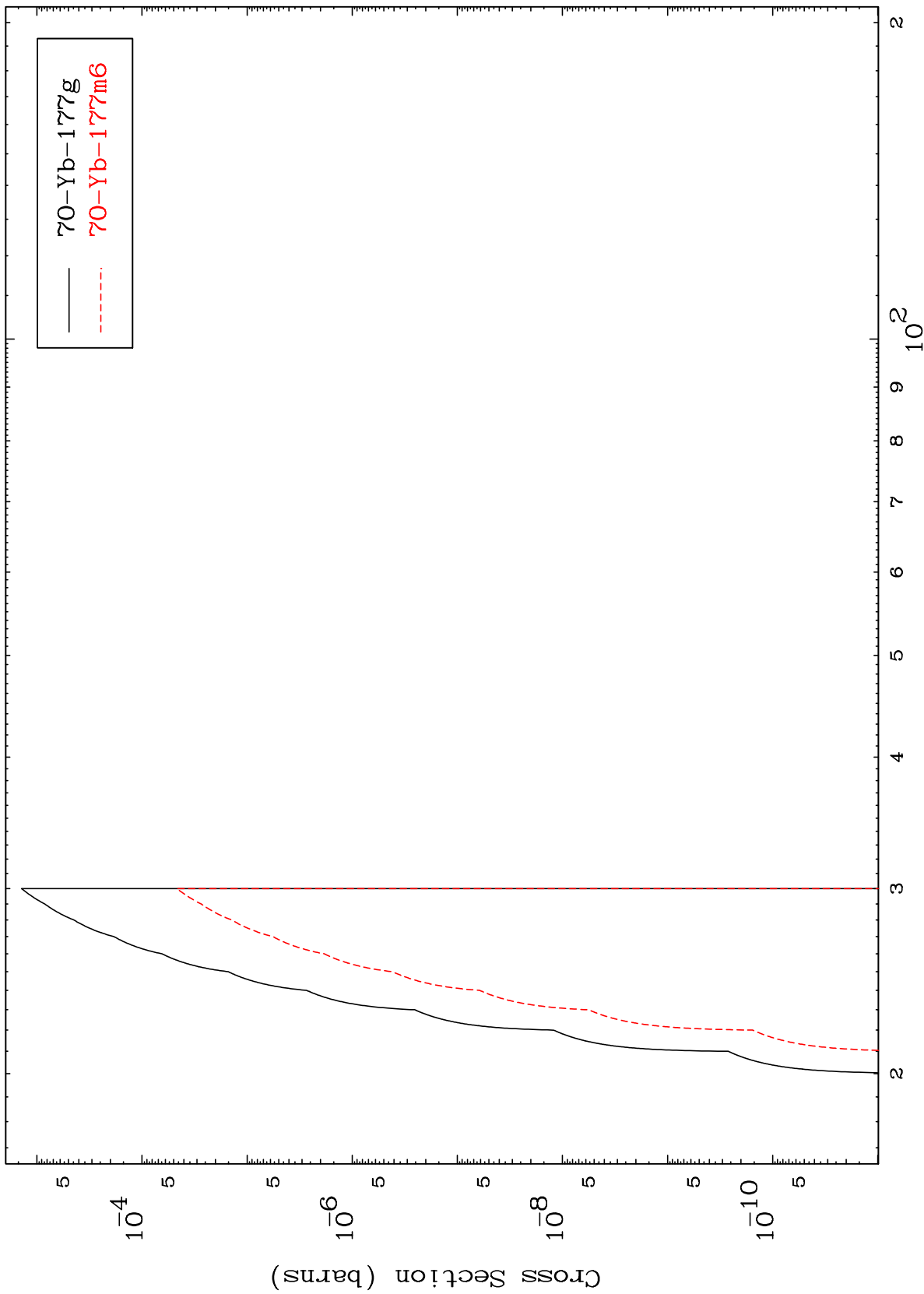




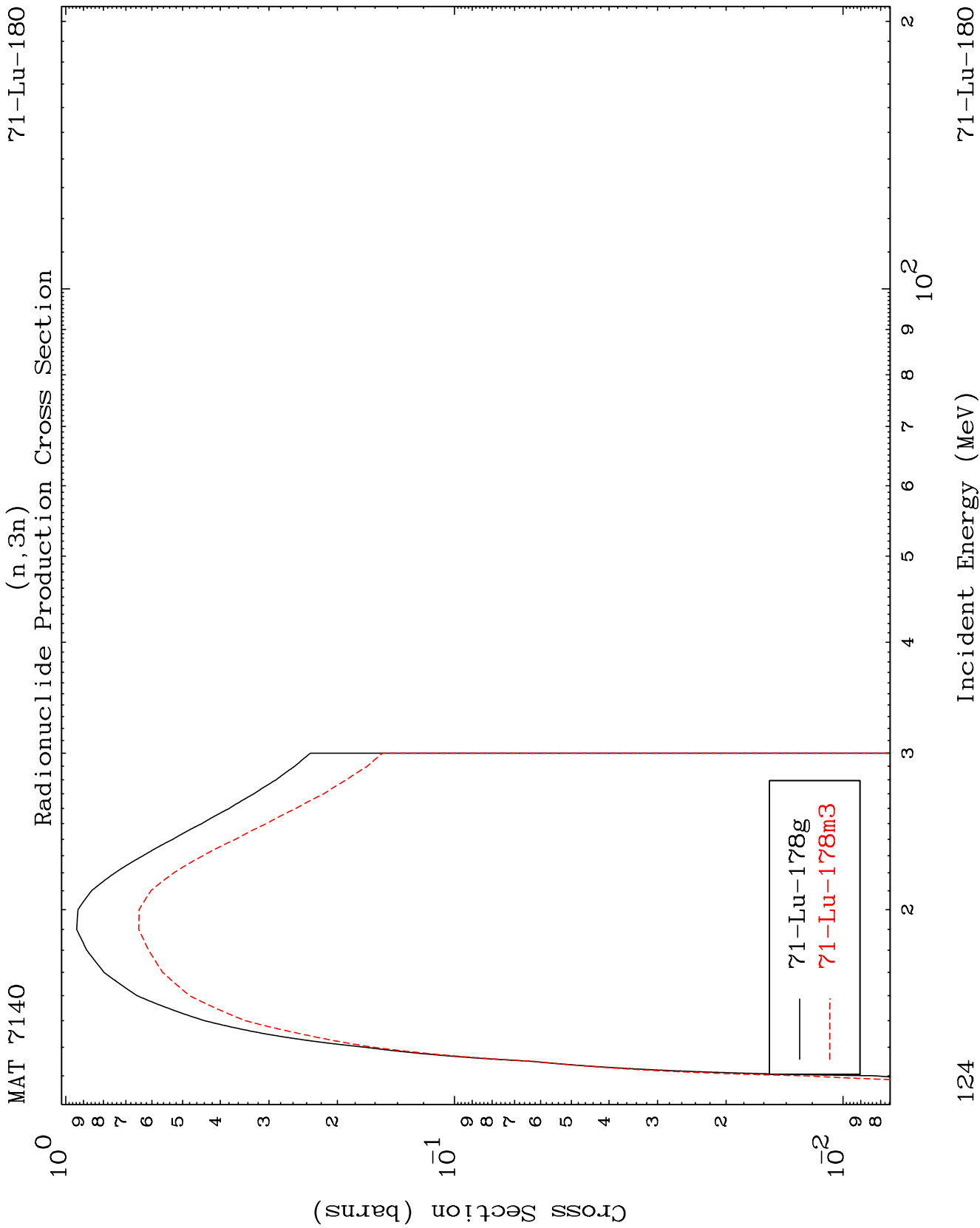




Radionuclide Production Cross Section



70-Yb-177g
70-Yb-177m6

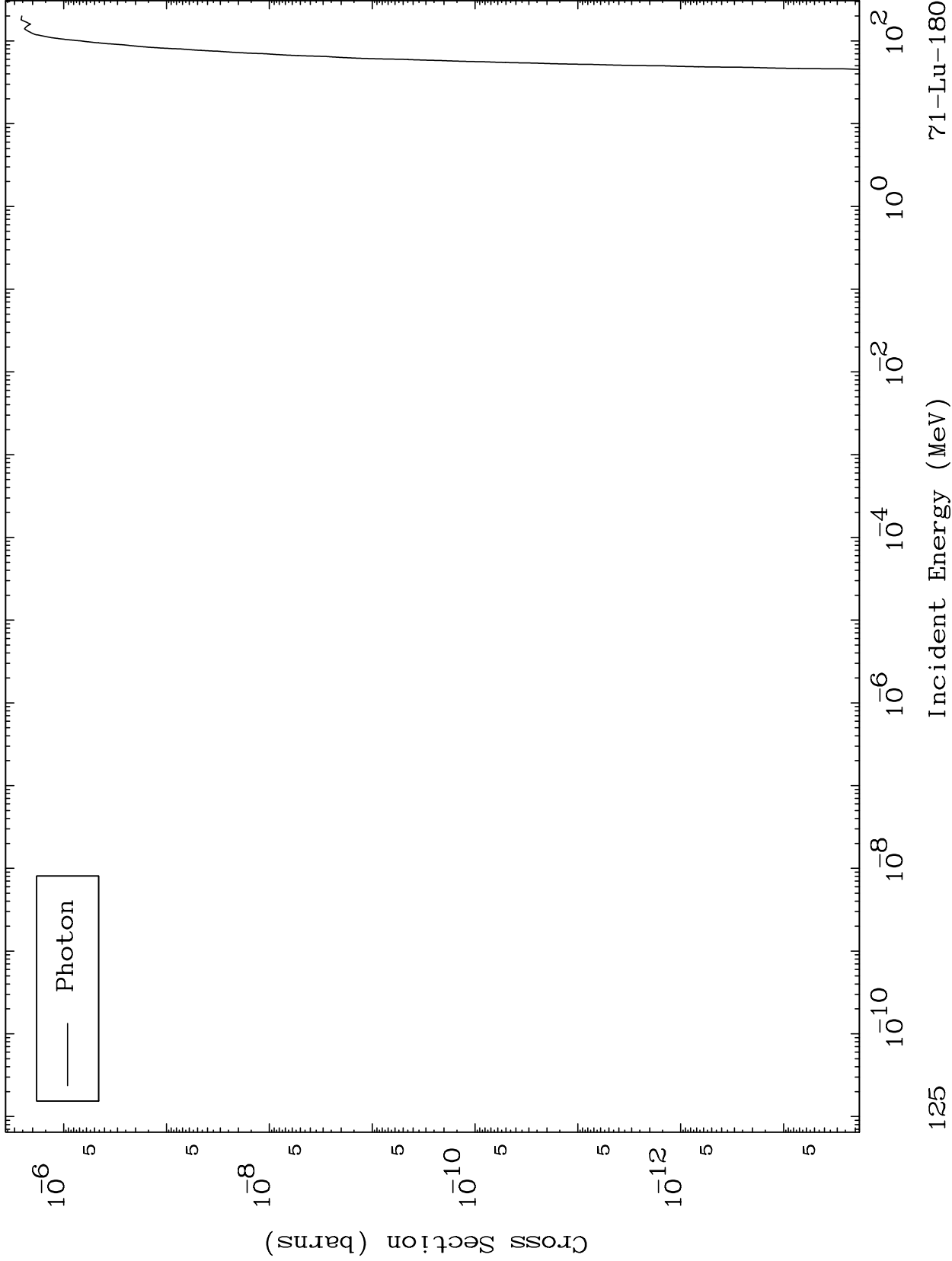


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Fission

71-Lu-180

Radionuclide Production Cross Section

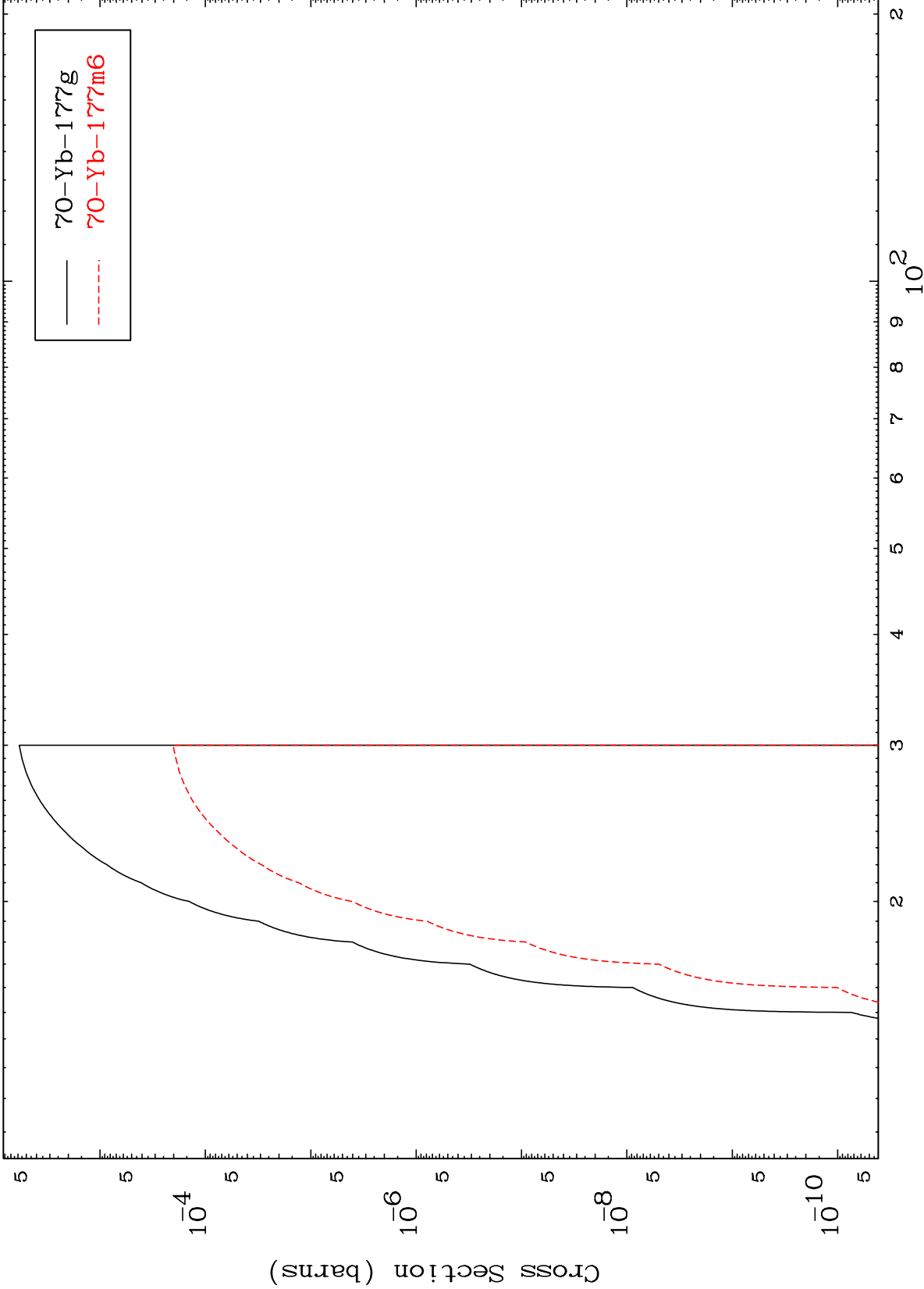


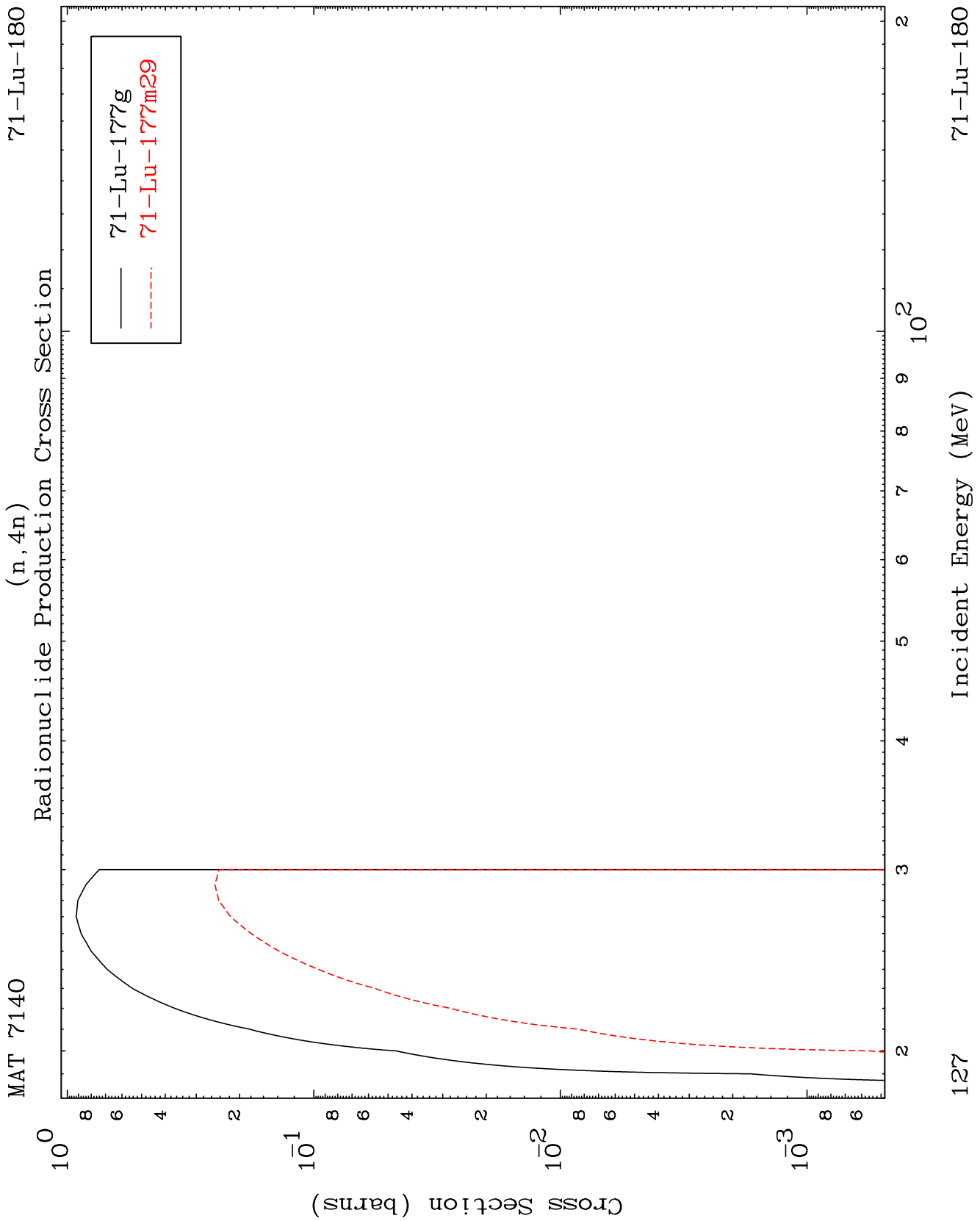
125

Incident Energy (MeV)

71-Lu-180

Radionuclide Production Cross Section



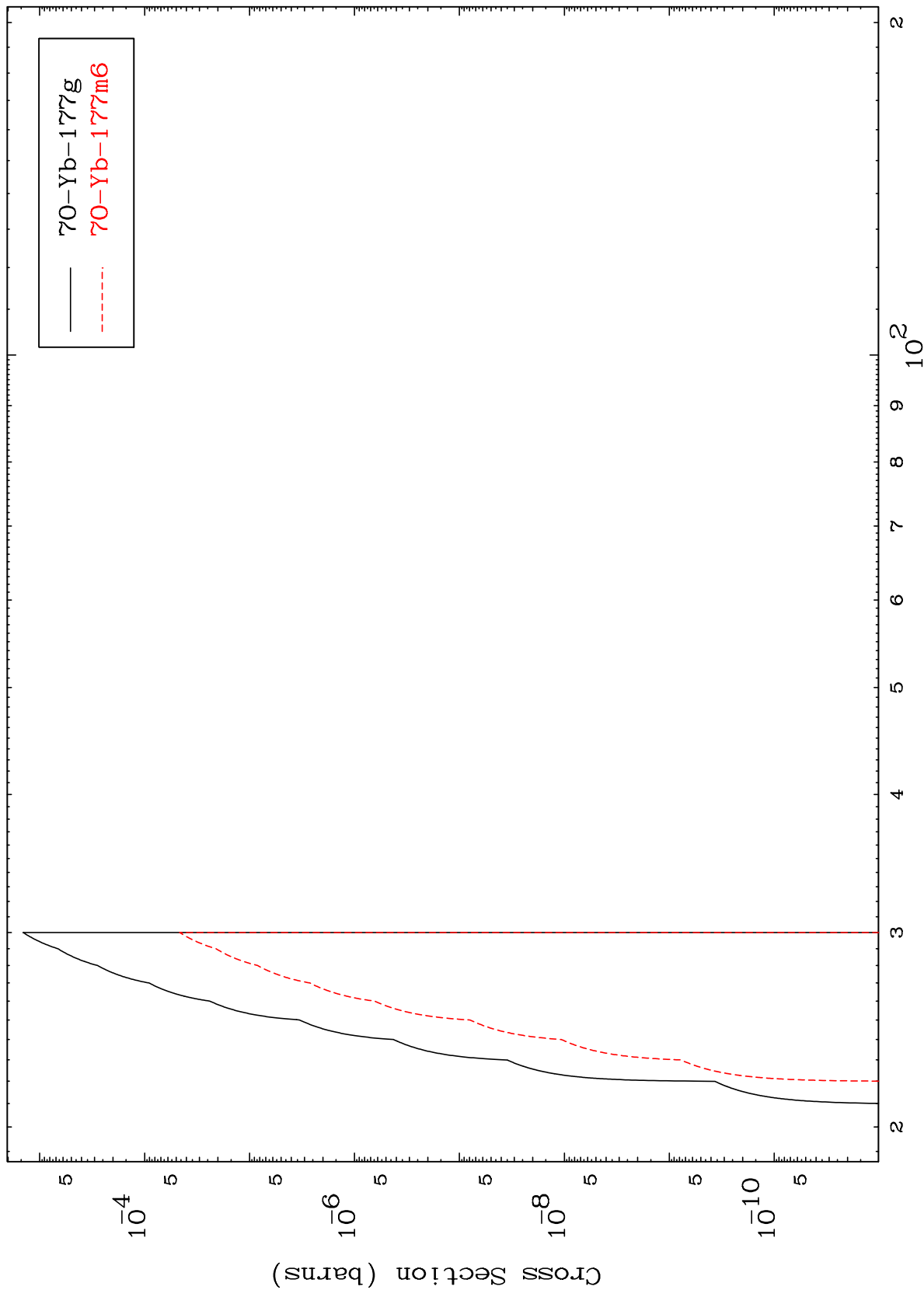


MAT 7140

(n,3n) p

71-Lu-180

Radionuclide Production Cross Section



128

Incident Energy (MeV)

71-Lu-180