

Program EVALPLOT
(Version 2021-1)

by

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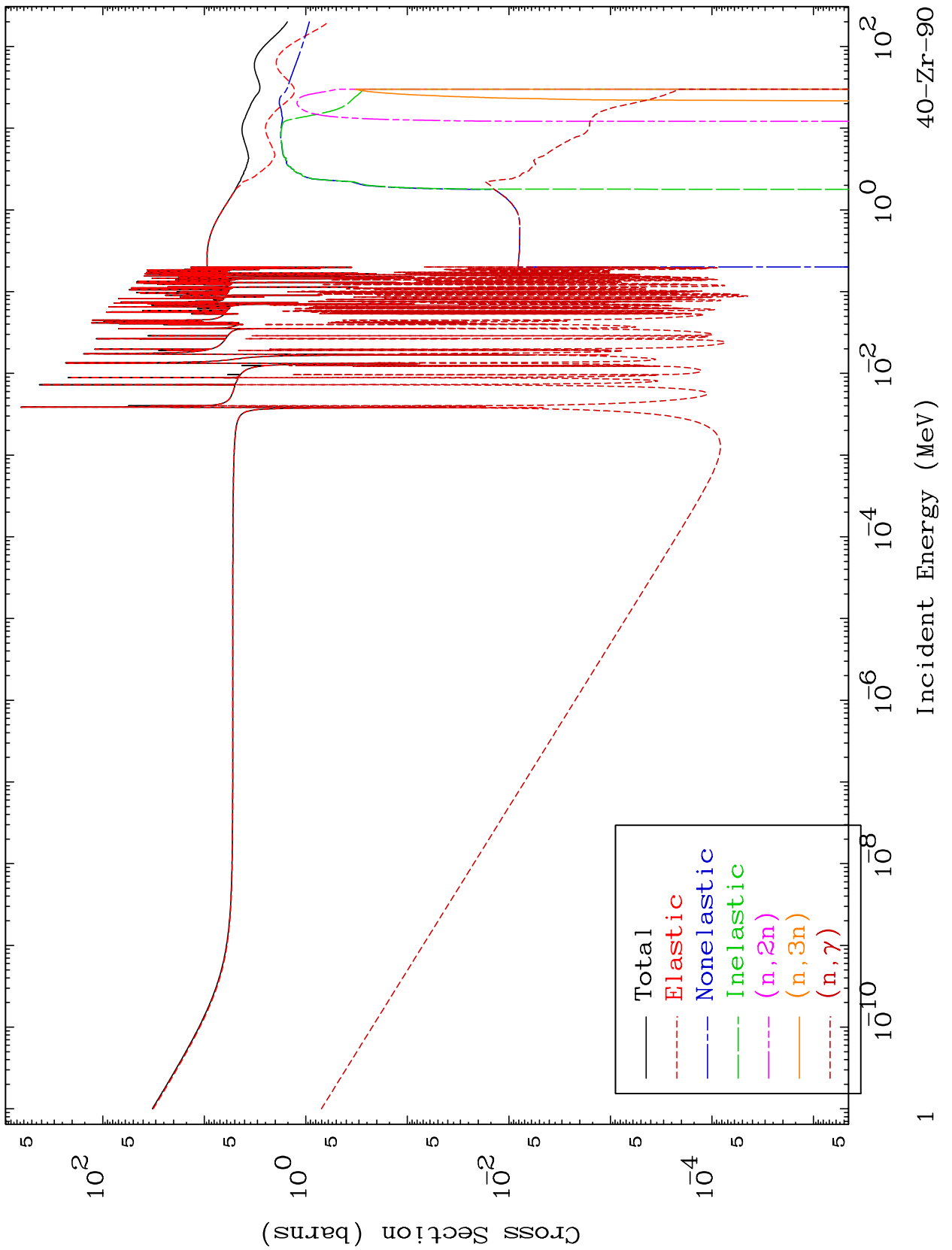
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Press Mouse Button to Start

MAT 4025

Neutron Major
293 Kelvin Cross Sections

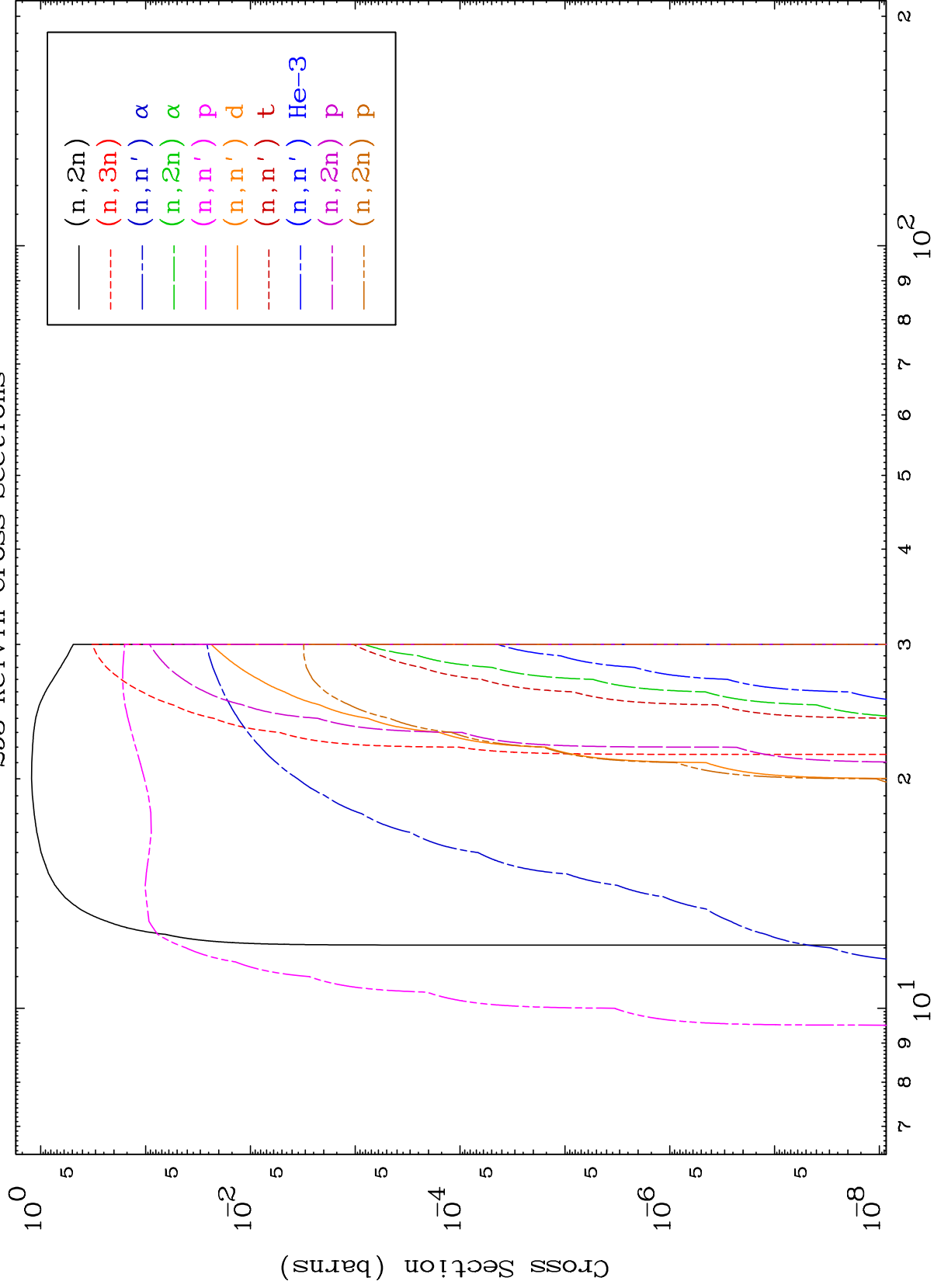
40-Zr-90



MAT 4025

Neutron Absorption
293 Kelvin Cross Sections

40-Zr-90



2

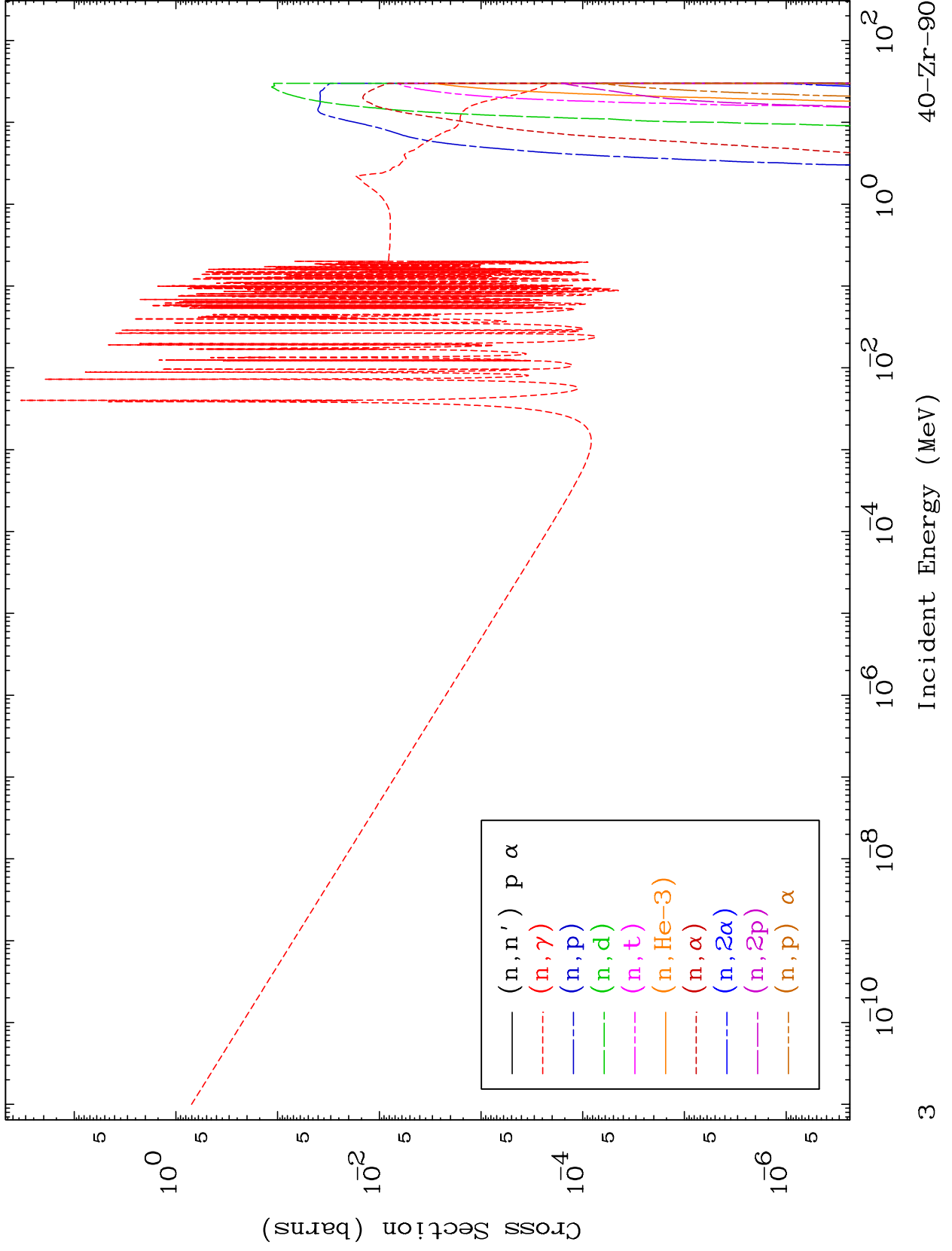
Incident Energy (MeV)

40-Zr-90

MAT 4025

Neutron Absorption
293 Kelvin Cross Sections

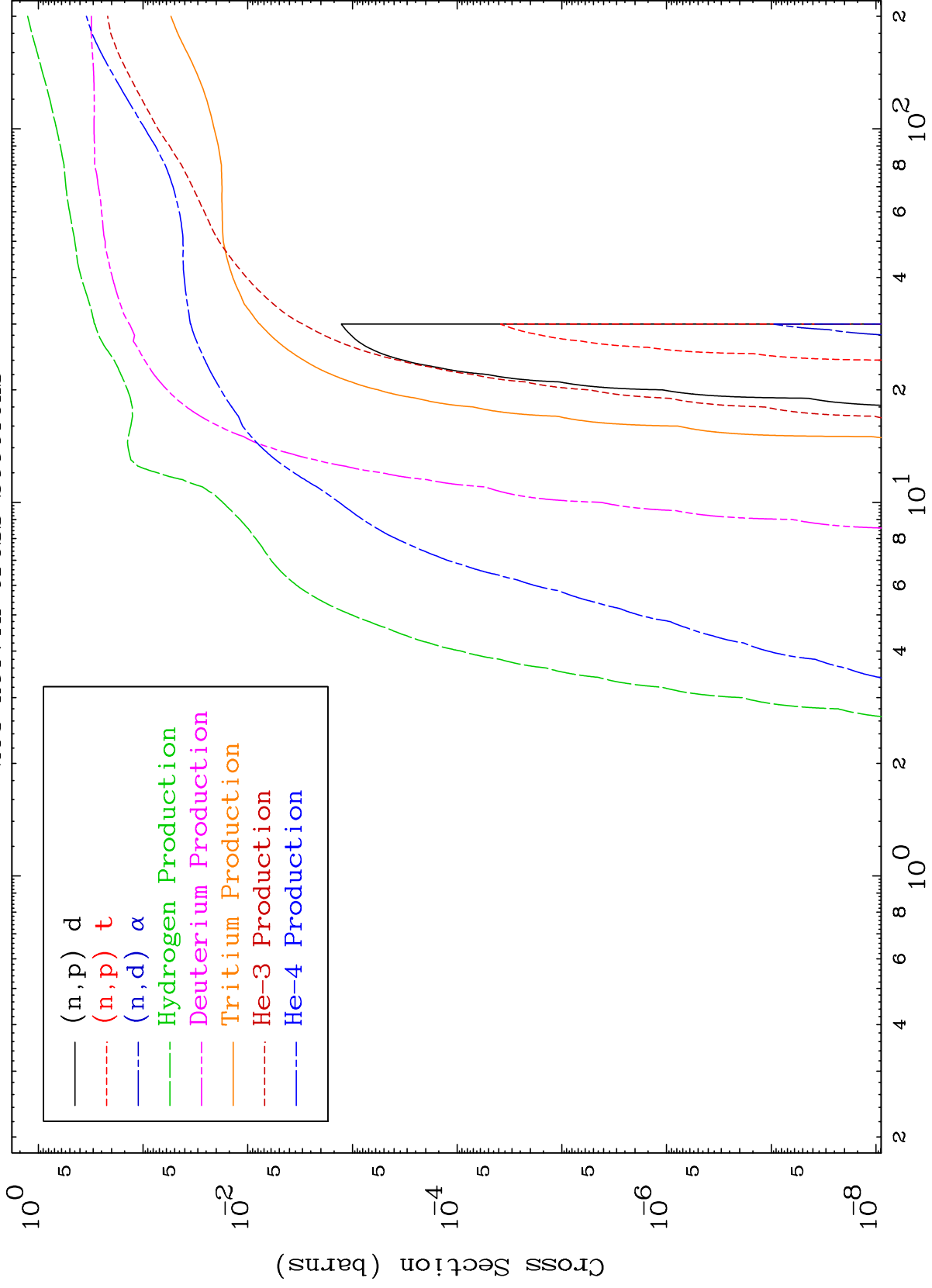
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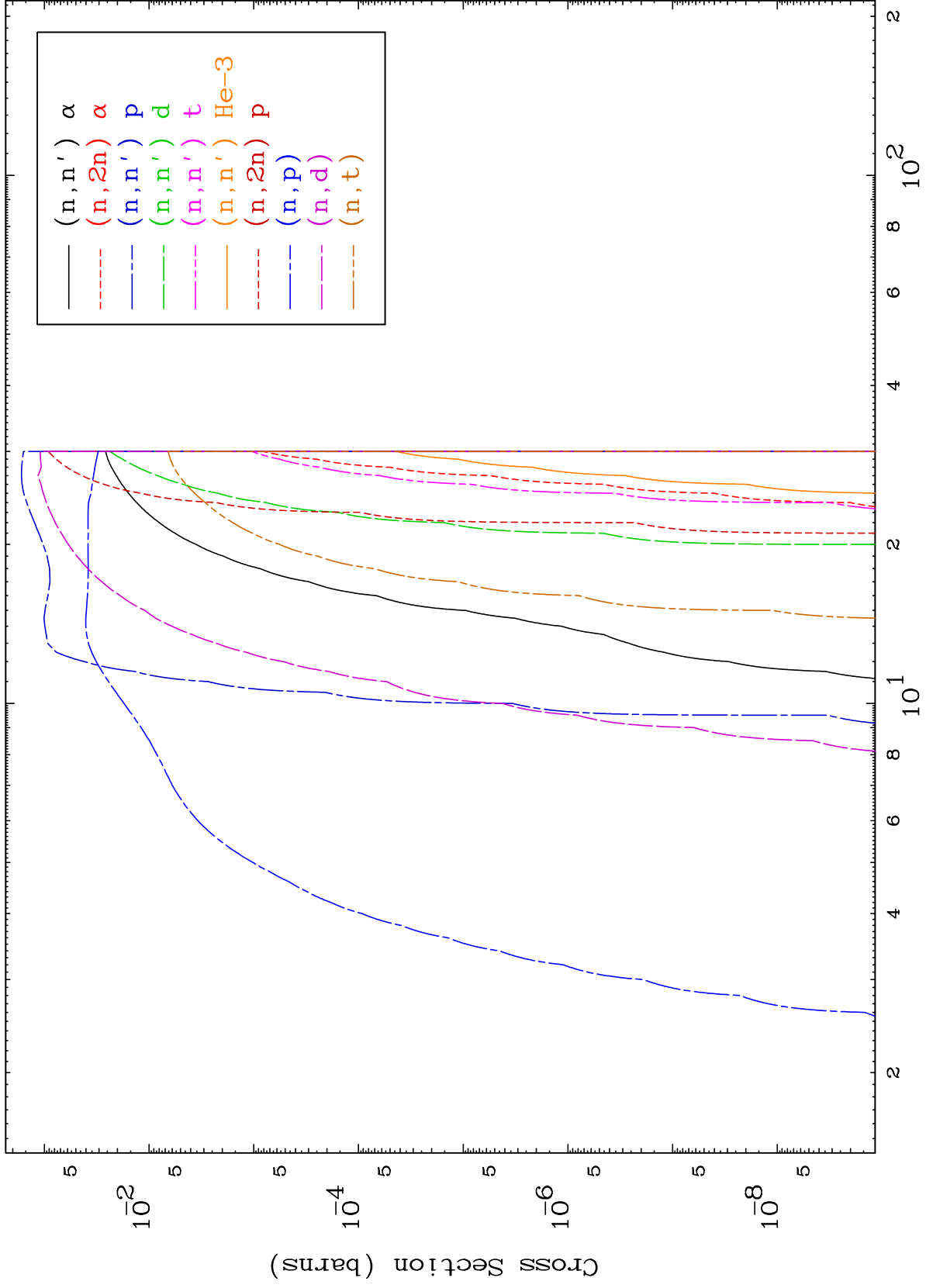
MAT 4025

Neutron Absorption
293 Kelvin Cross Sections

40-Zr-90



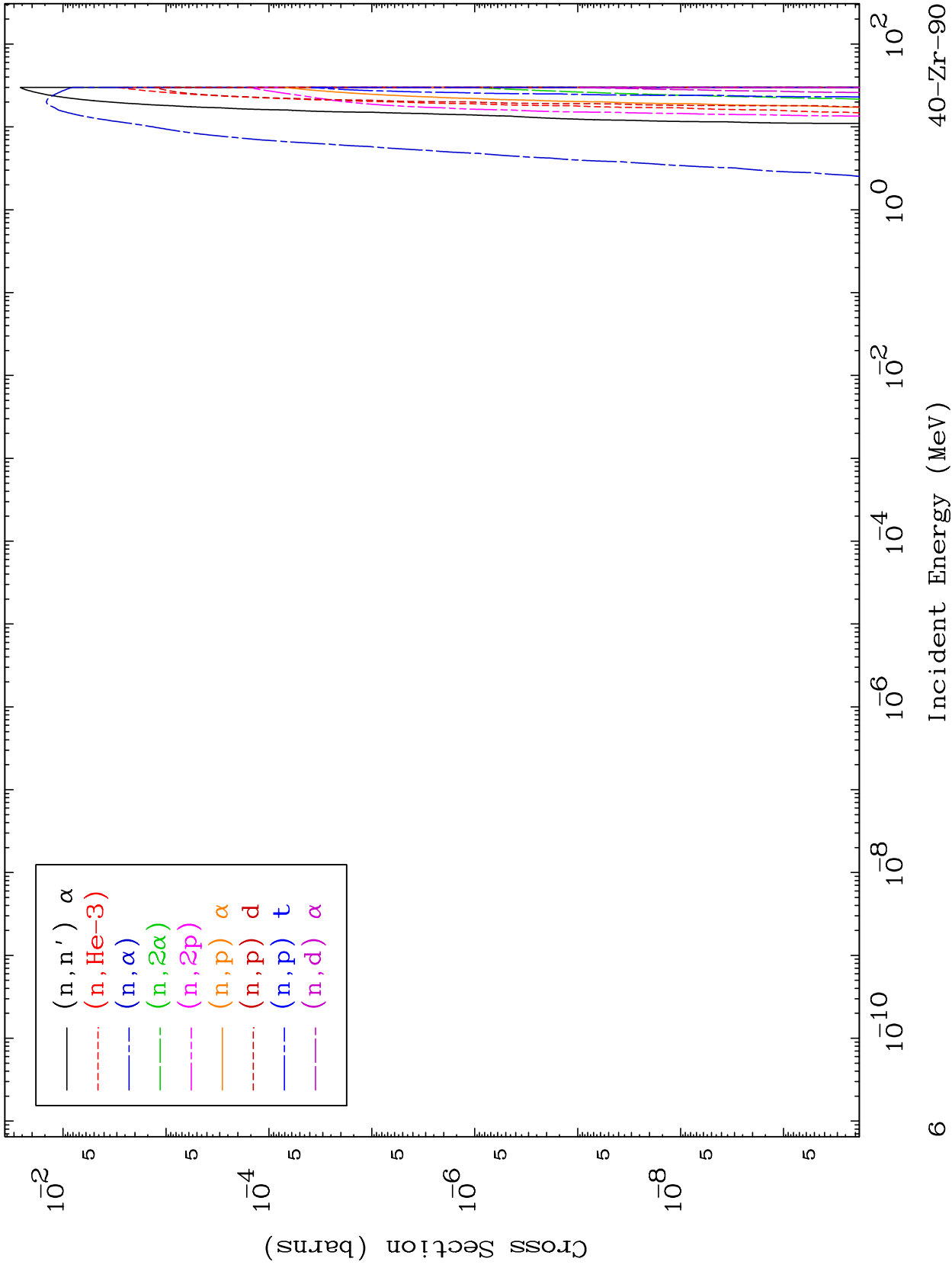
Charged Particle
293 Kelvin Cross Sections



MAT 4025

Charged Particle
293 Kelvin Cross Sections

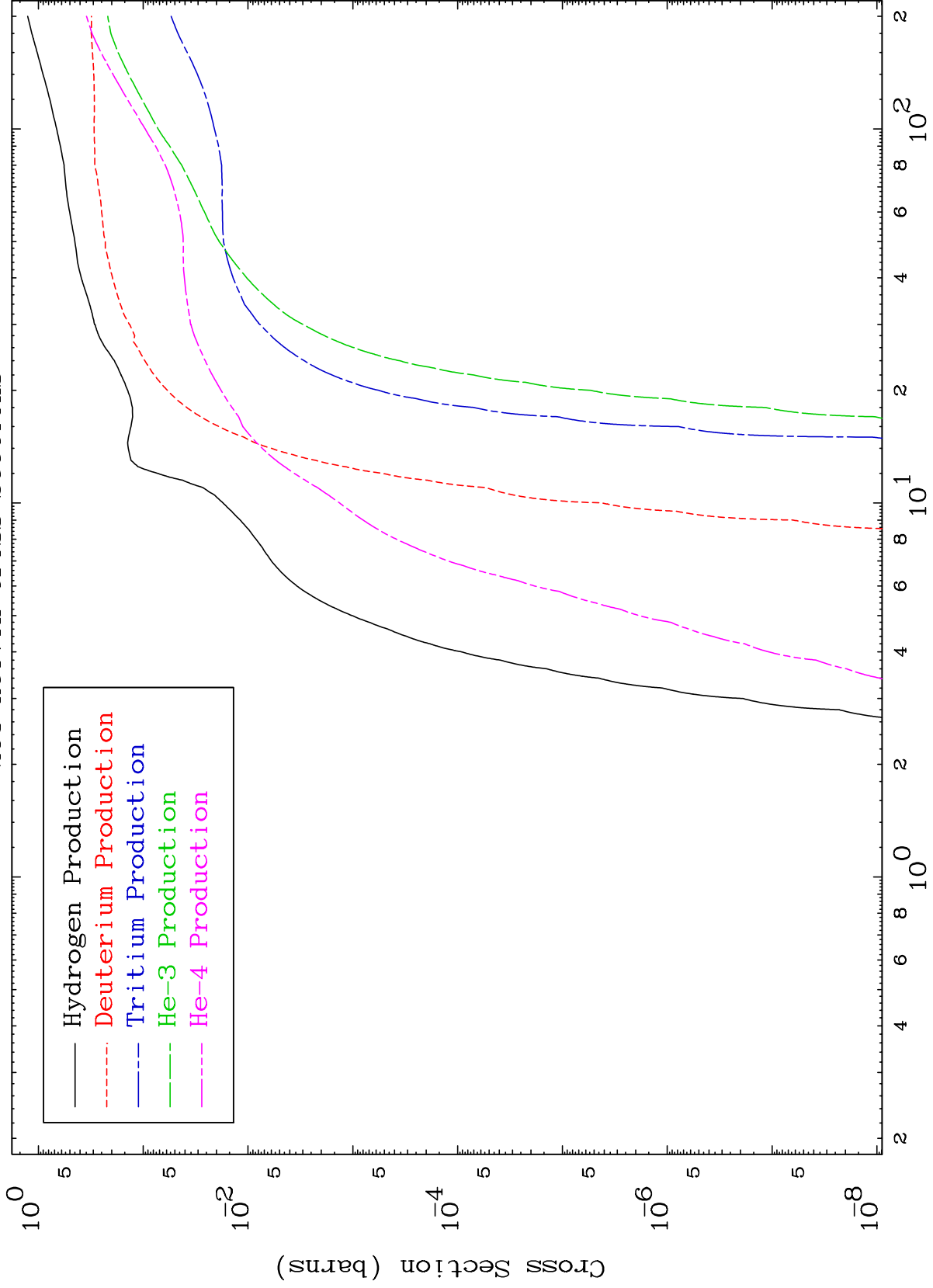
40-Zr-90



MAT 4025

Particle Production
293 Kelvin Cross Sections

40-Zr-90

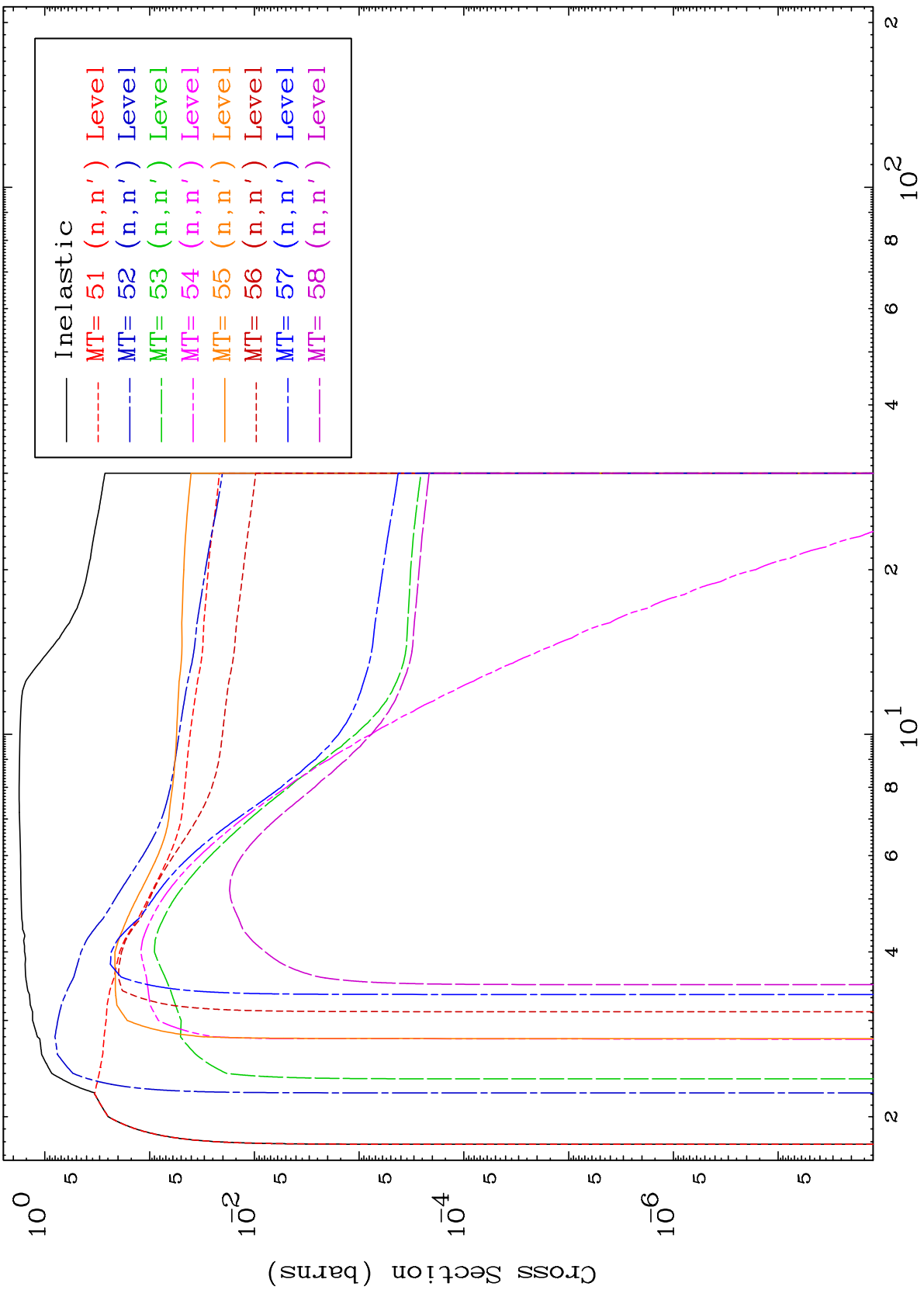


MAT 4025

(n,n') Levels

40-Zr-90

293 Kelvin Cross Sections



8

Incident Energy (MeV)

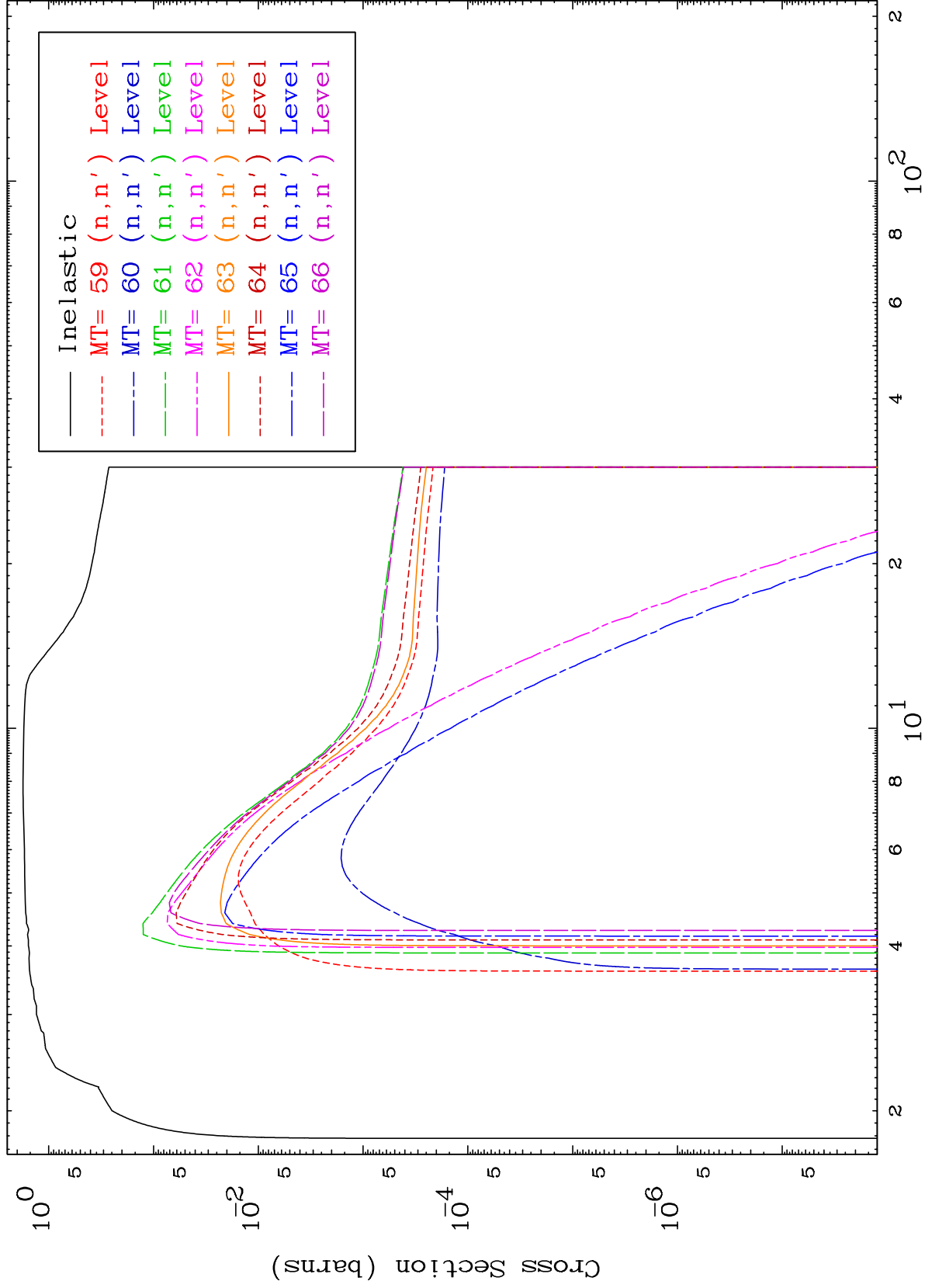
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MAT 4025

(n,n') Levels

40-Zr-90

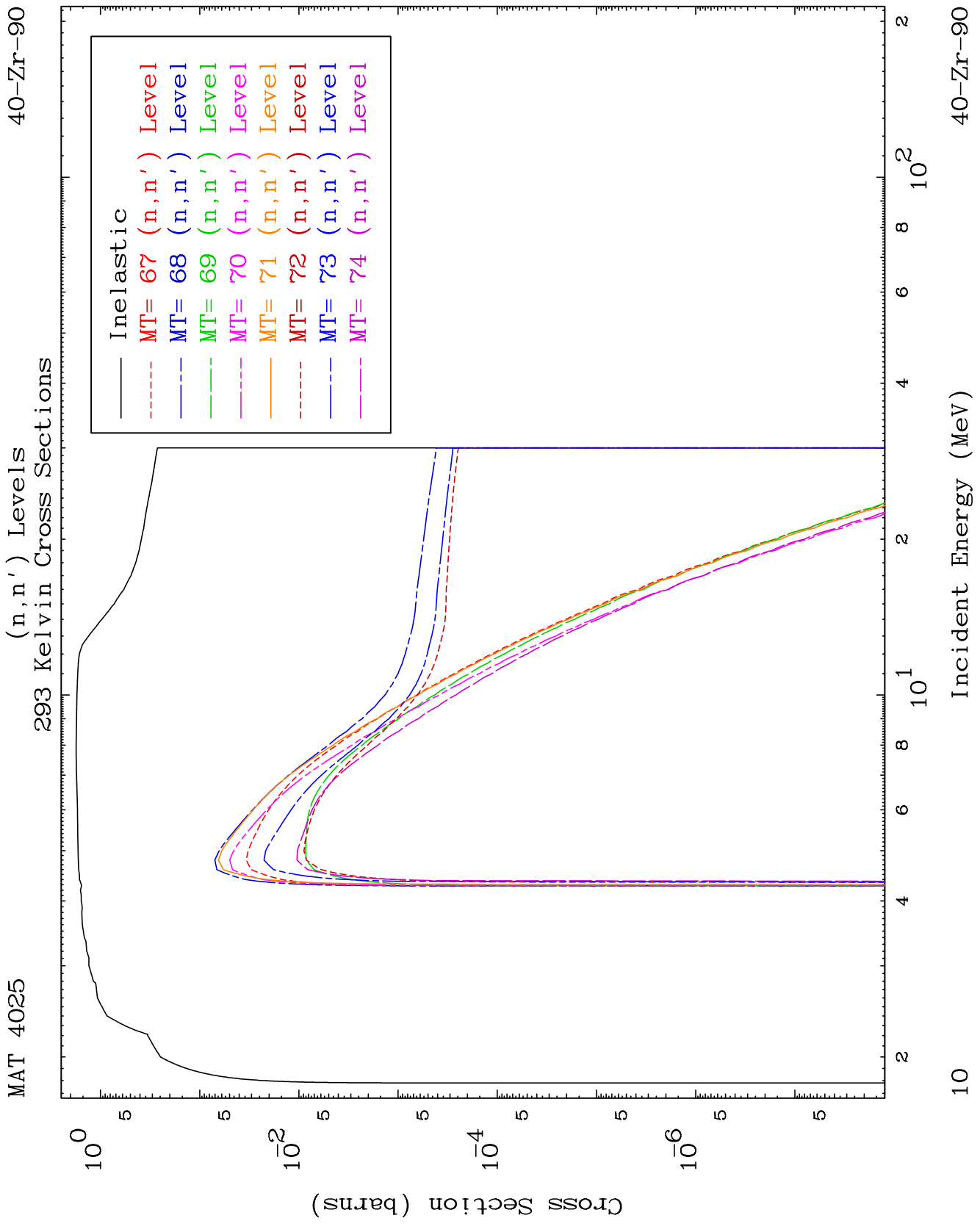
293 Kelvin Cross Sections

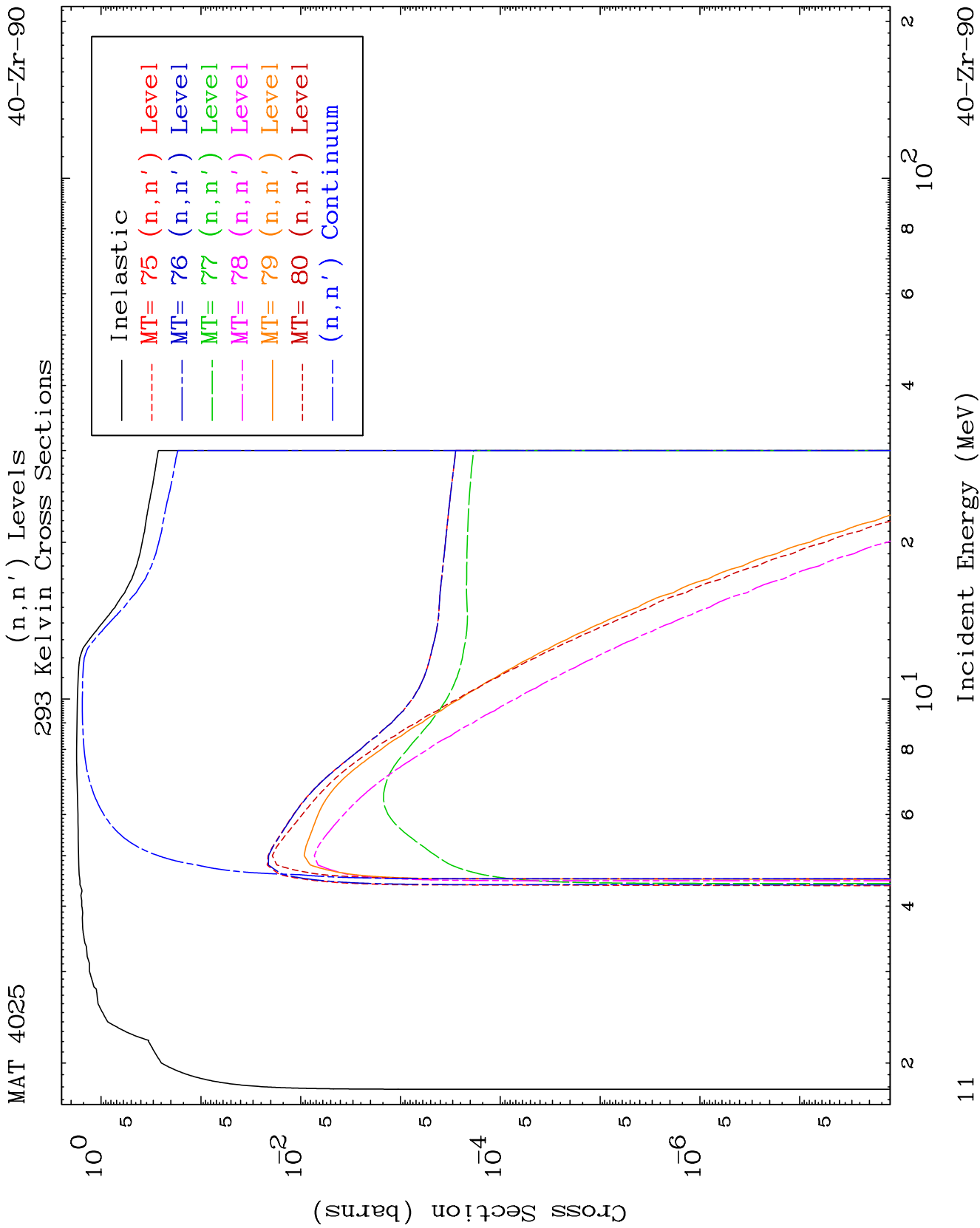


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Incident Energy (MeV)

40-Zr-90

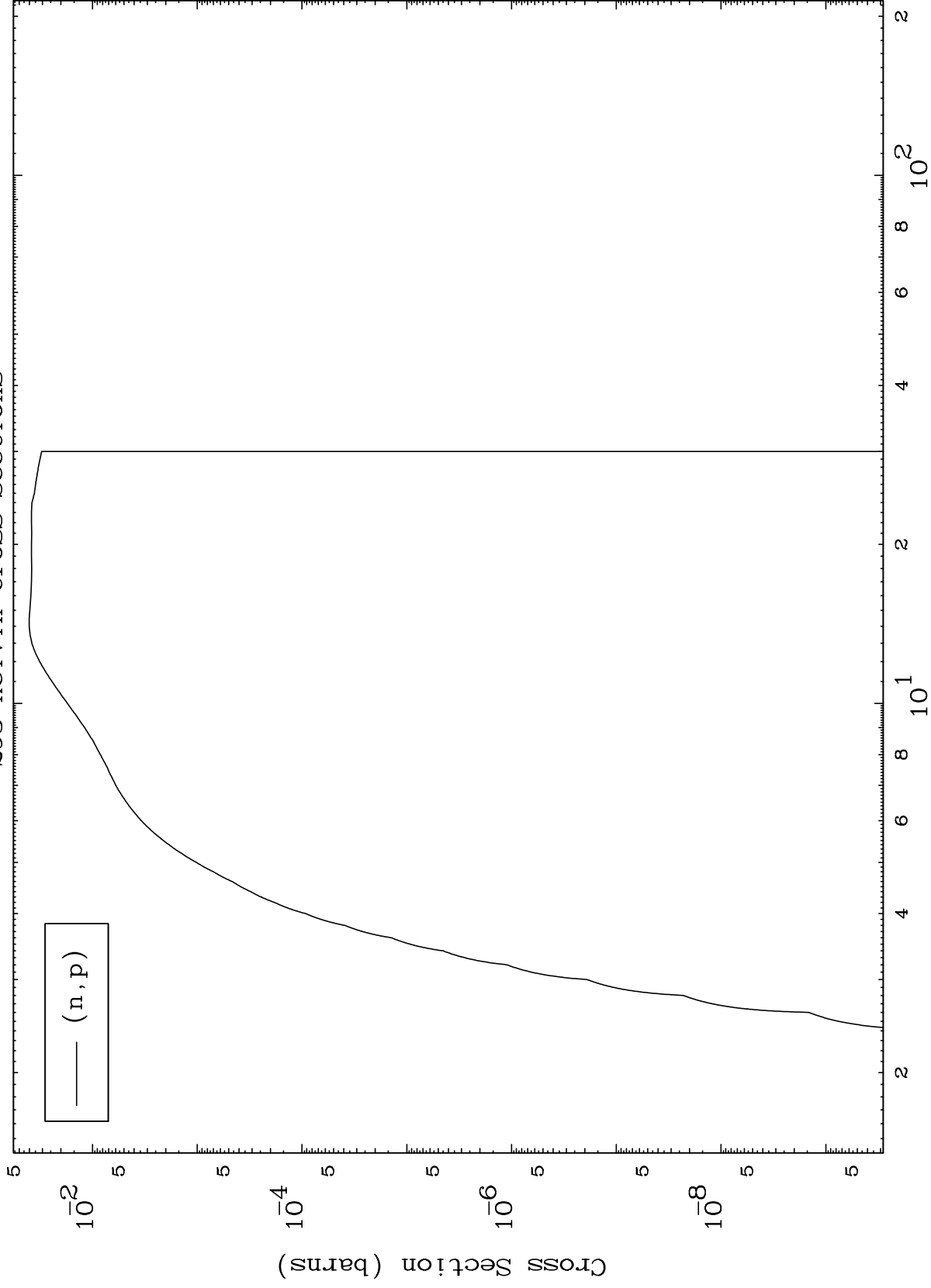




MAT 4025

(n,p) Levels
293 Kelvin Cross Sections

40-Zr-90



12

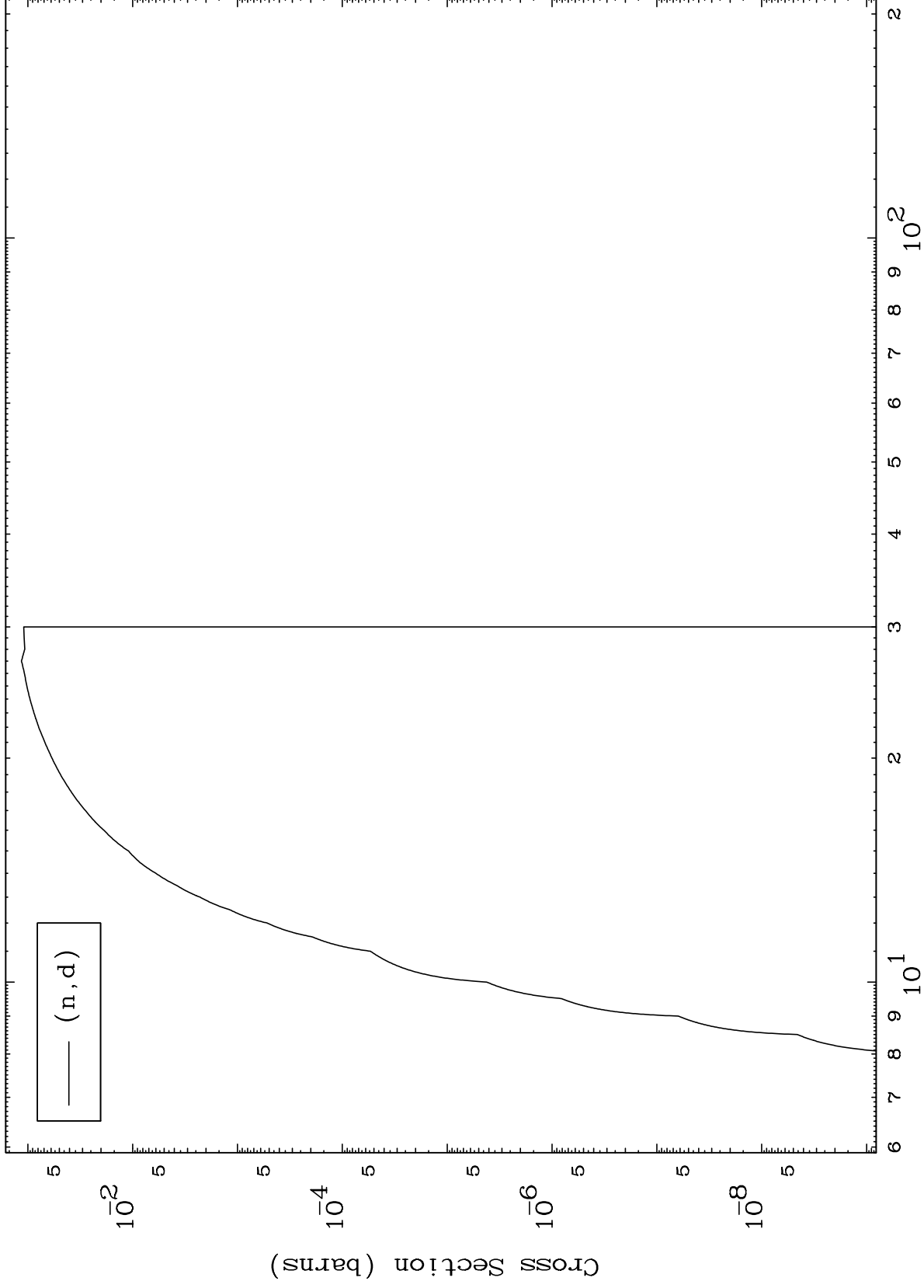
Incident Energy (MeV)

40-Zr-90

MAT 4025

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-90



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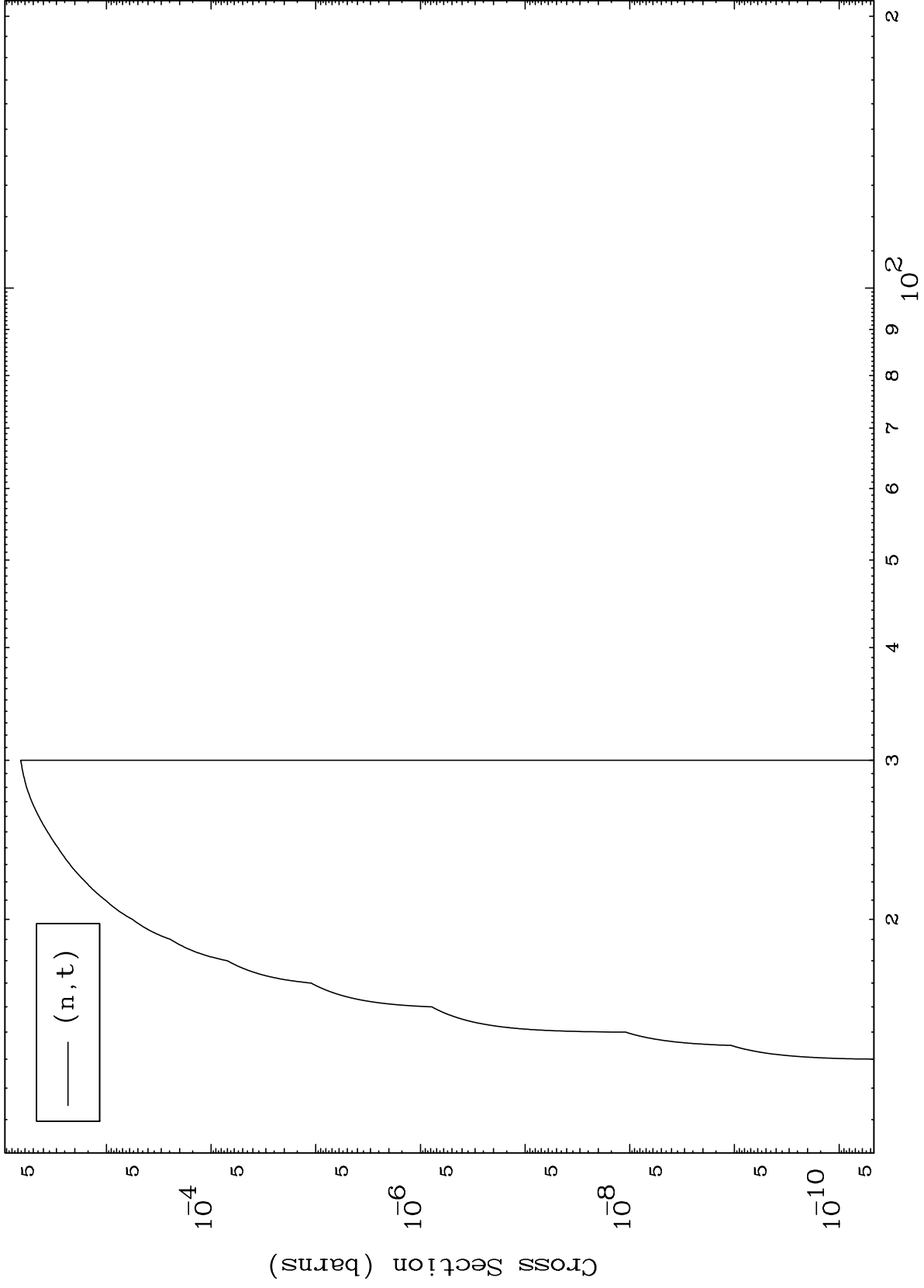
Incident Energy (MeV)

40-Zr-90

MAT 4025

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-90



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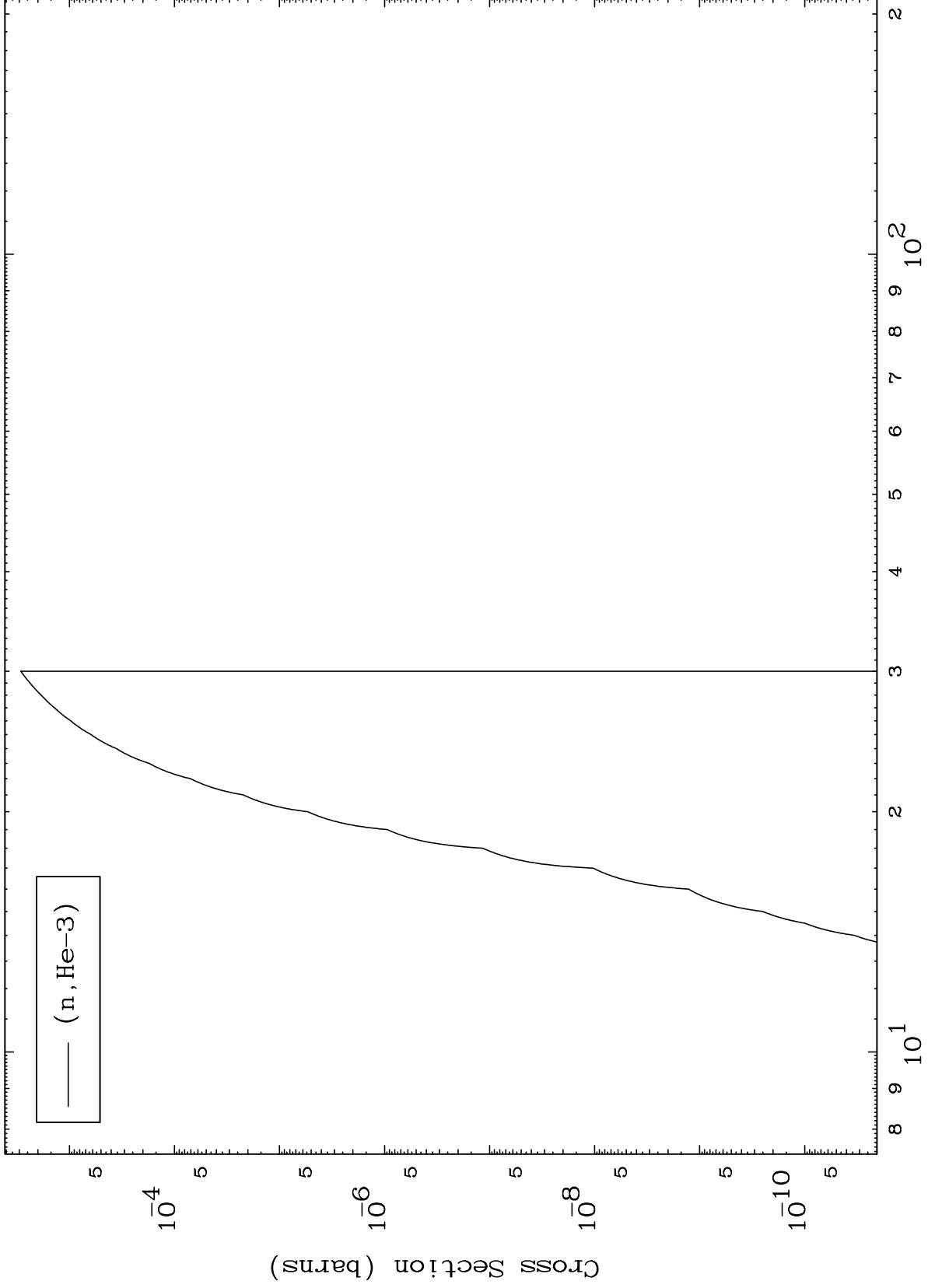
Incident Energy (MeV)

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MAT 4025

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-90



15

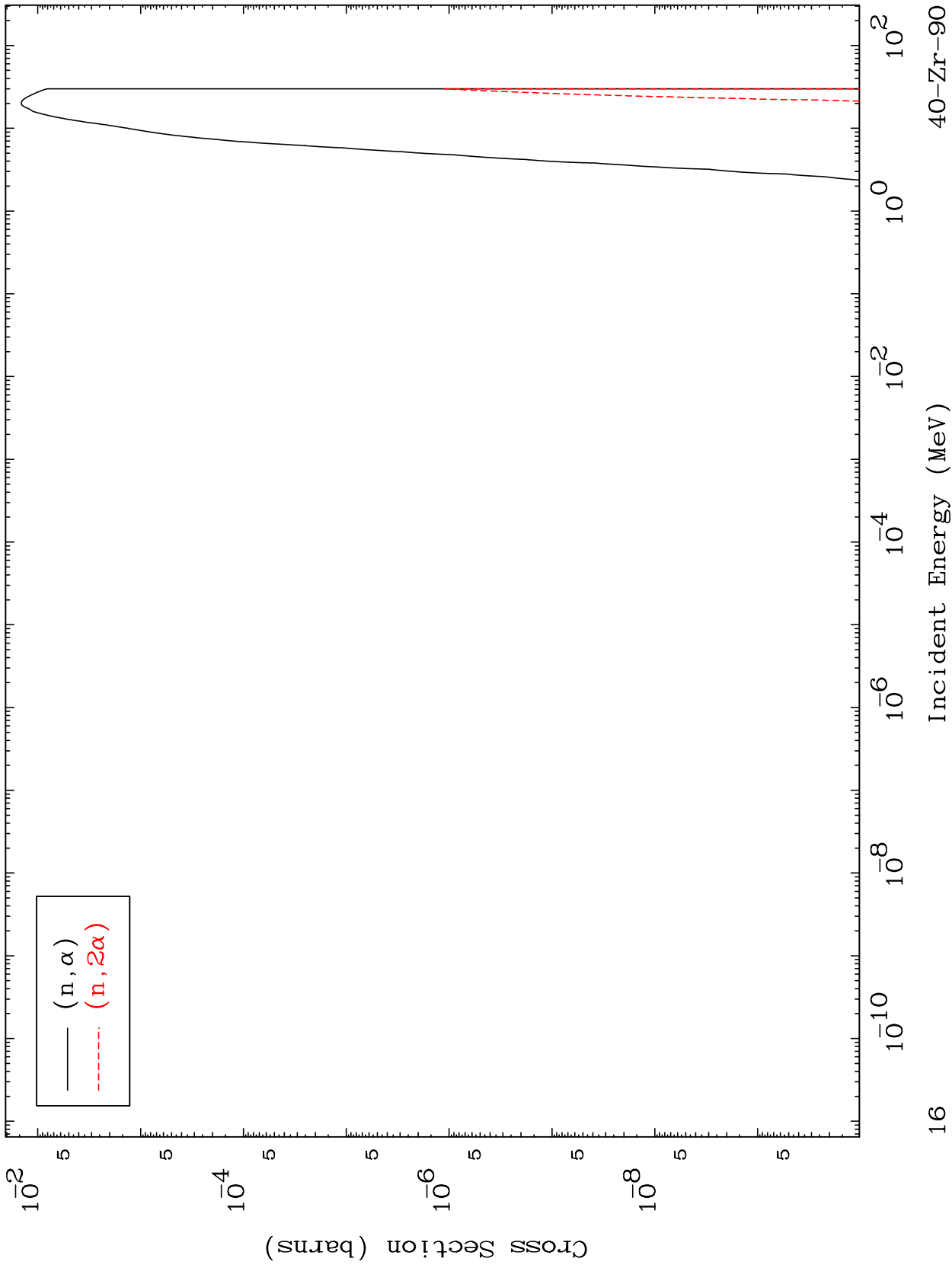
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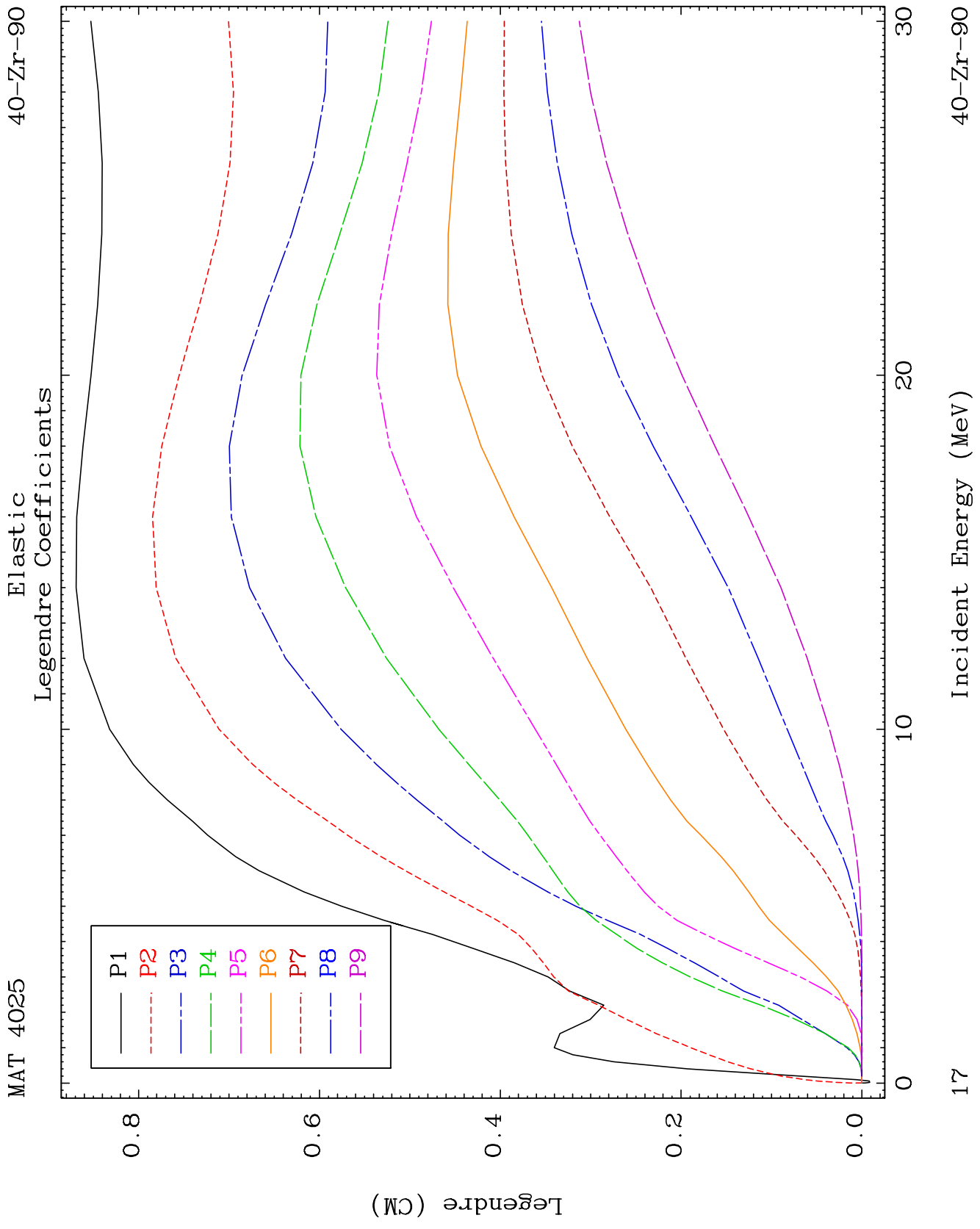
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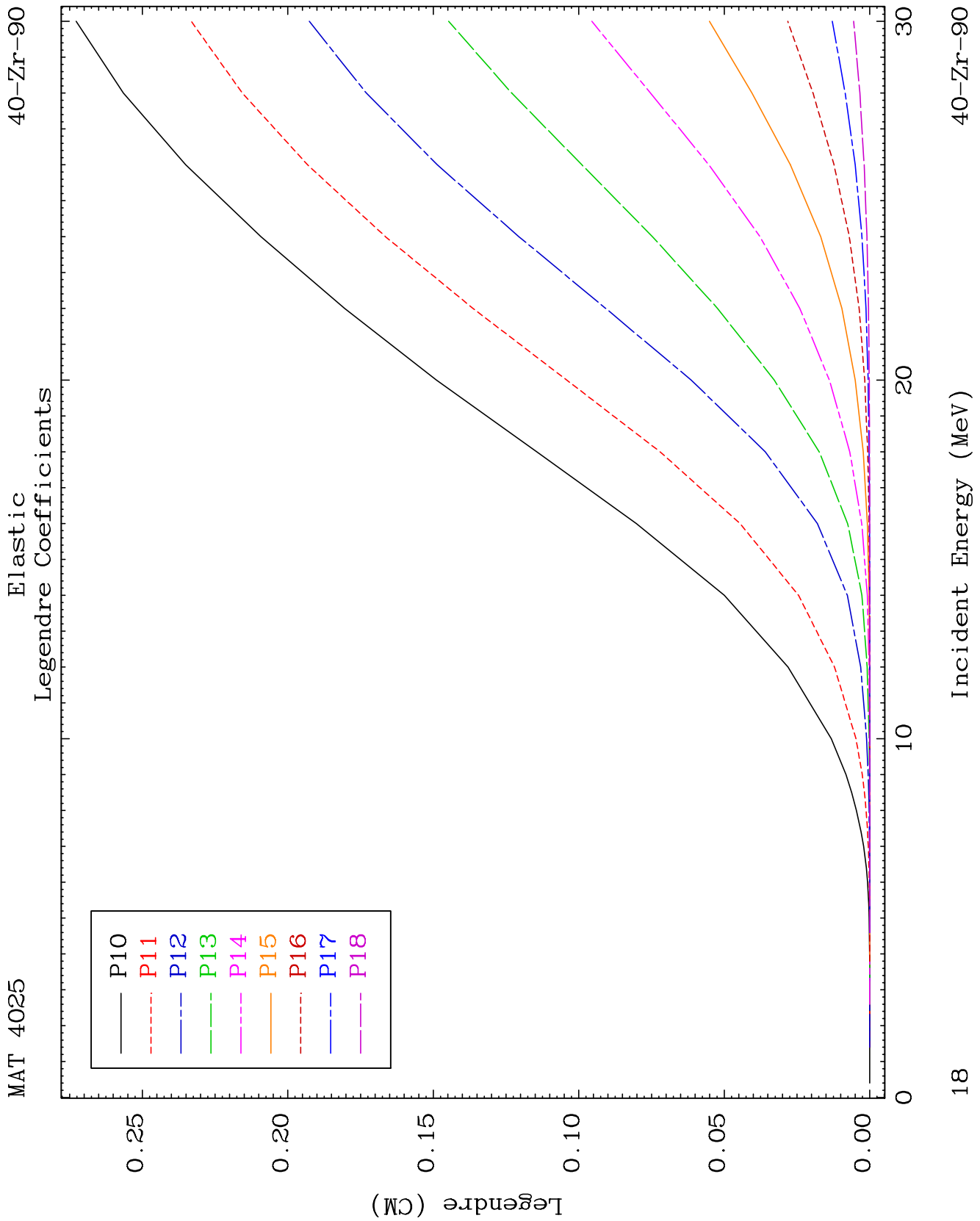
MAT 4025

(n, α) Levels
293 Kelvin Cross Sections

40-Zr-90



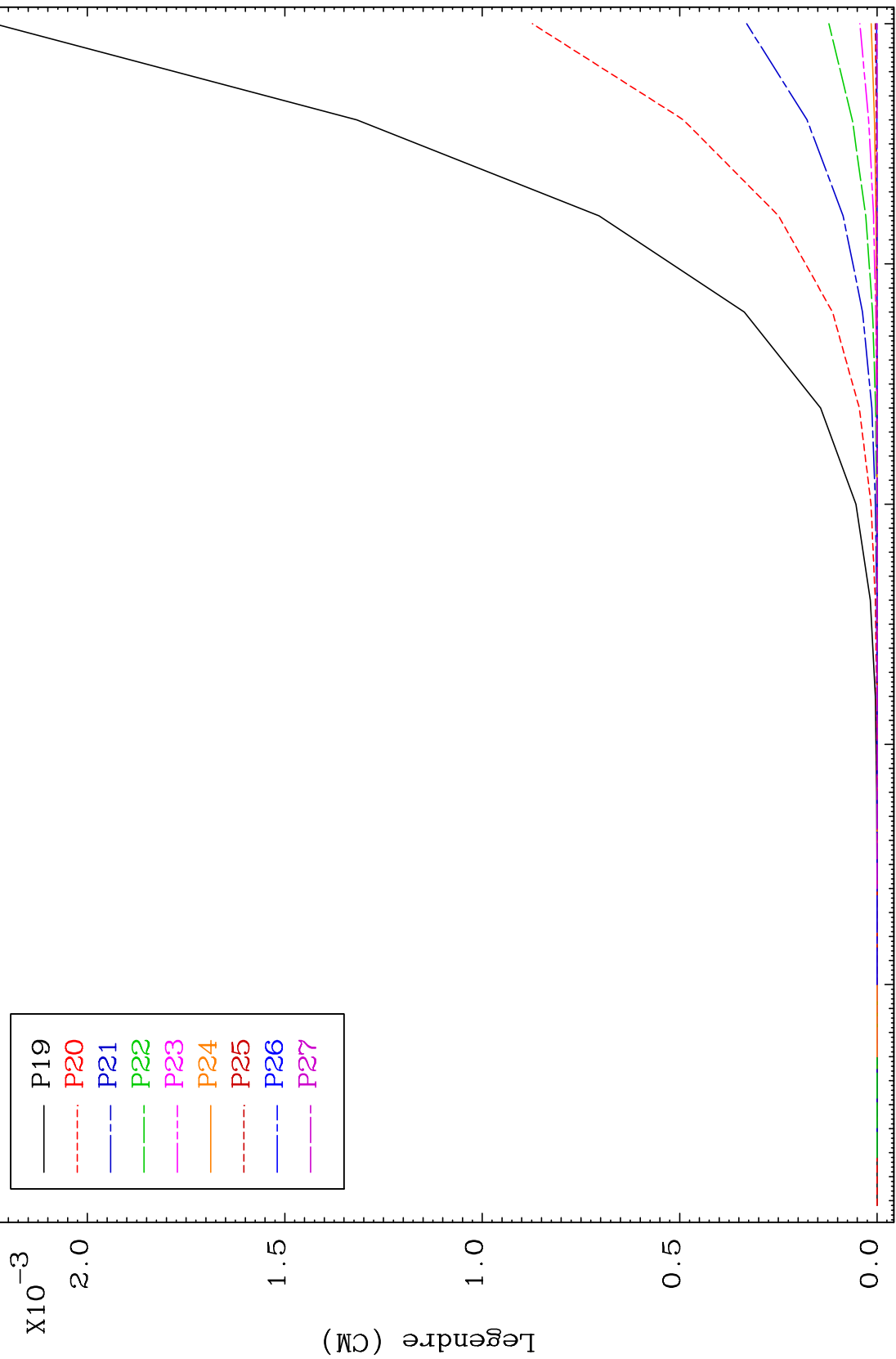
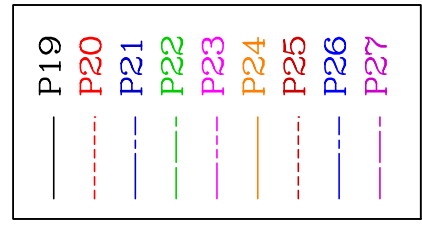




MAT 4025

Elastic Legendre Coefficients

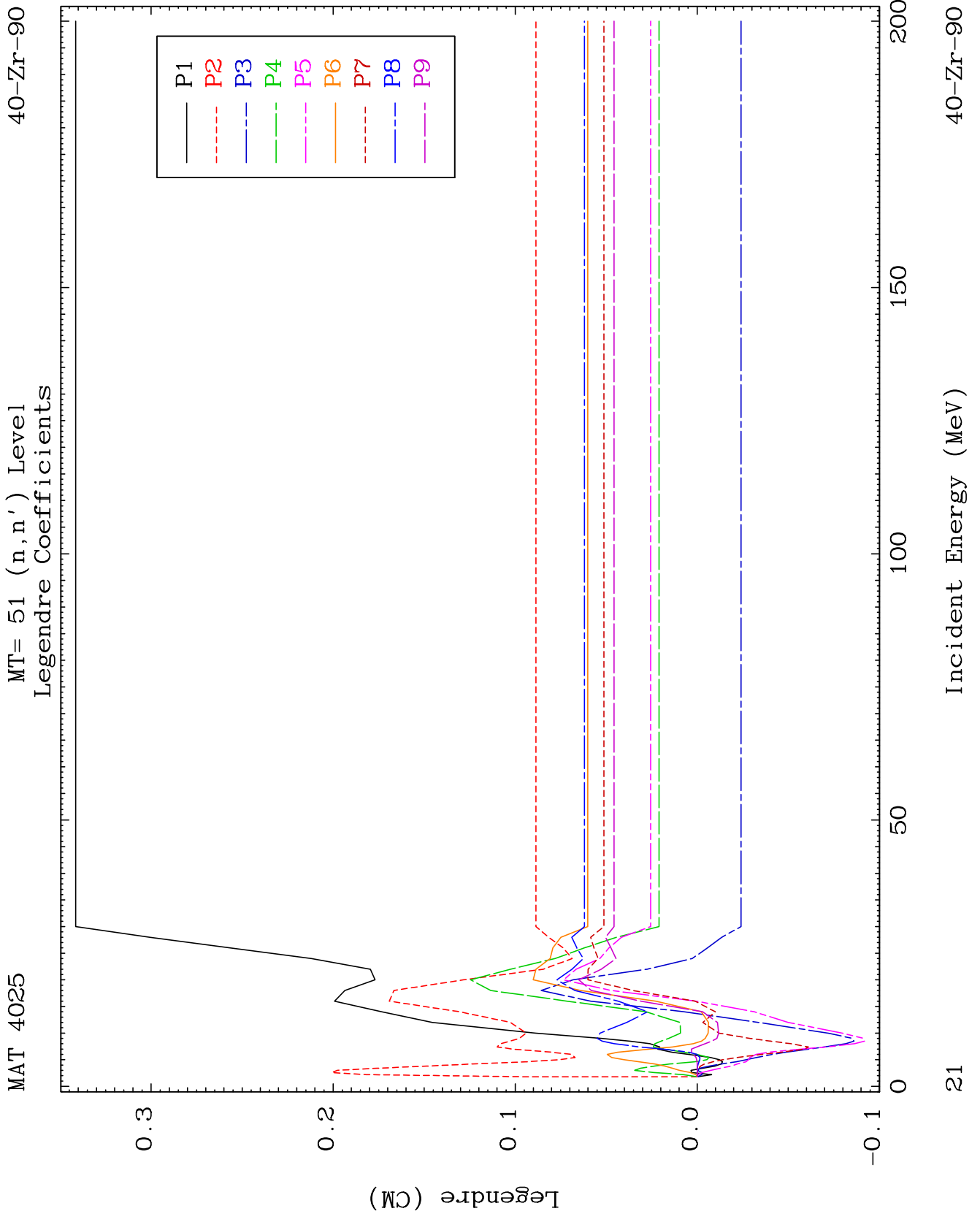
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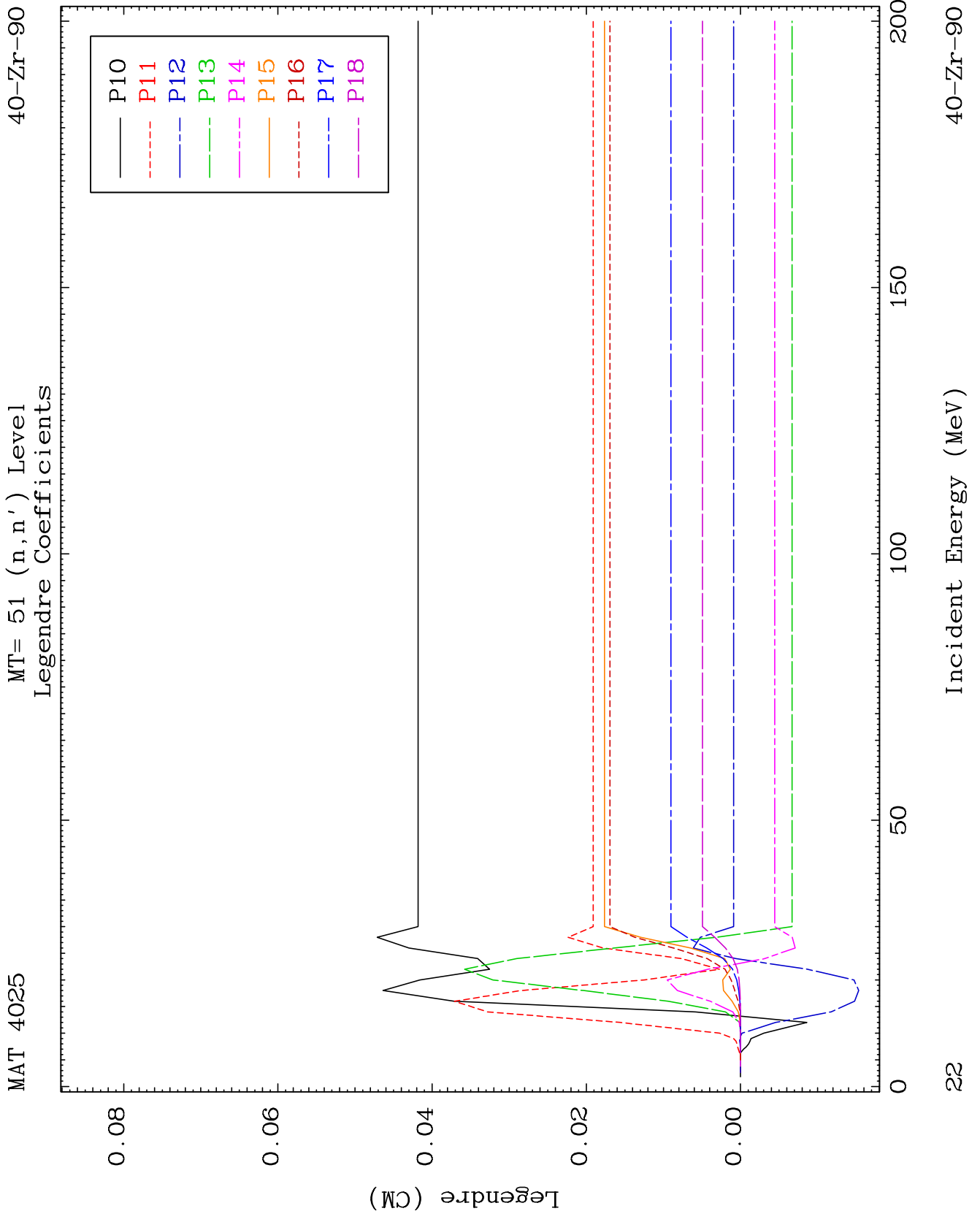


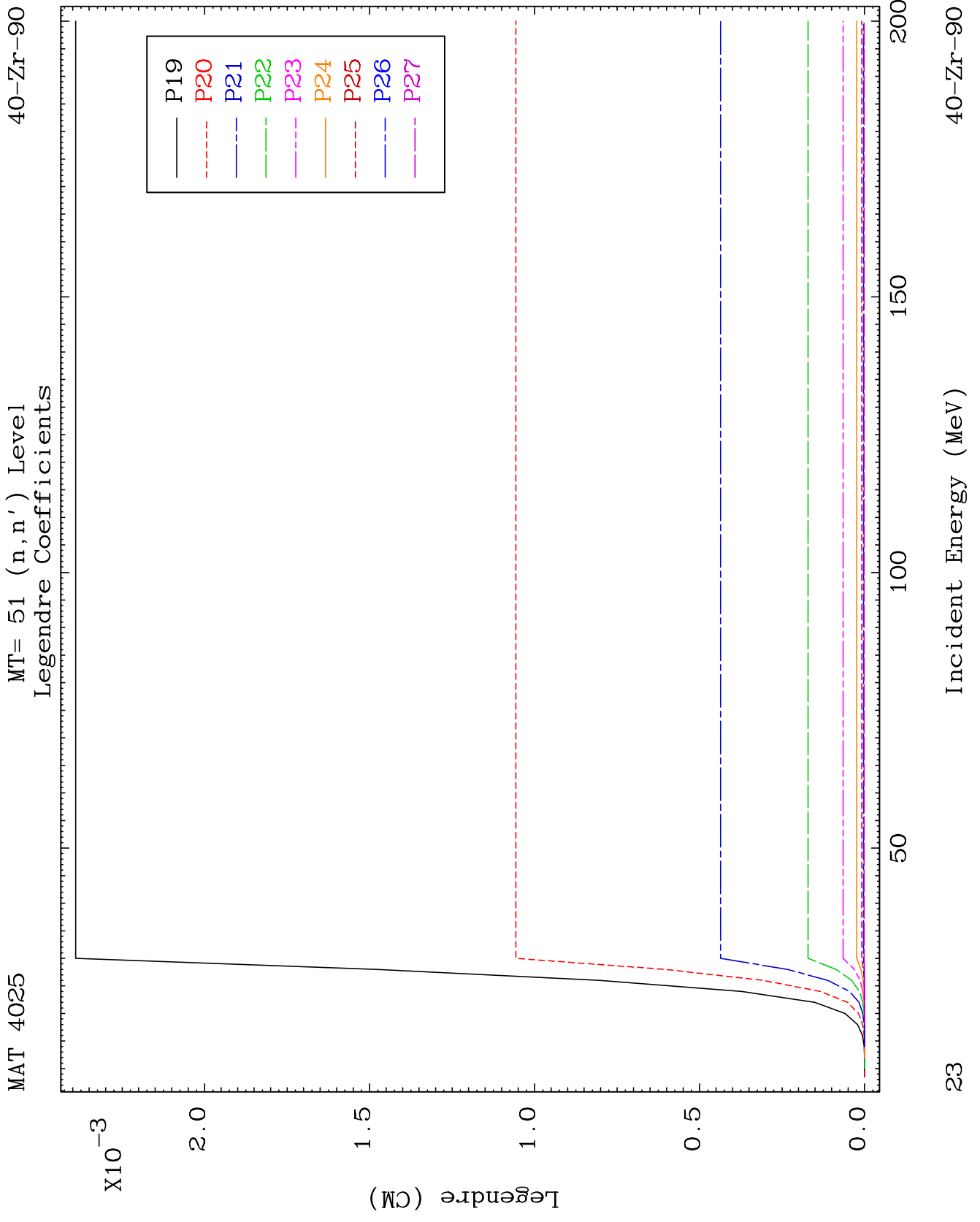
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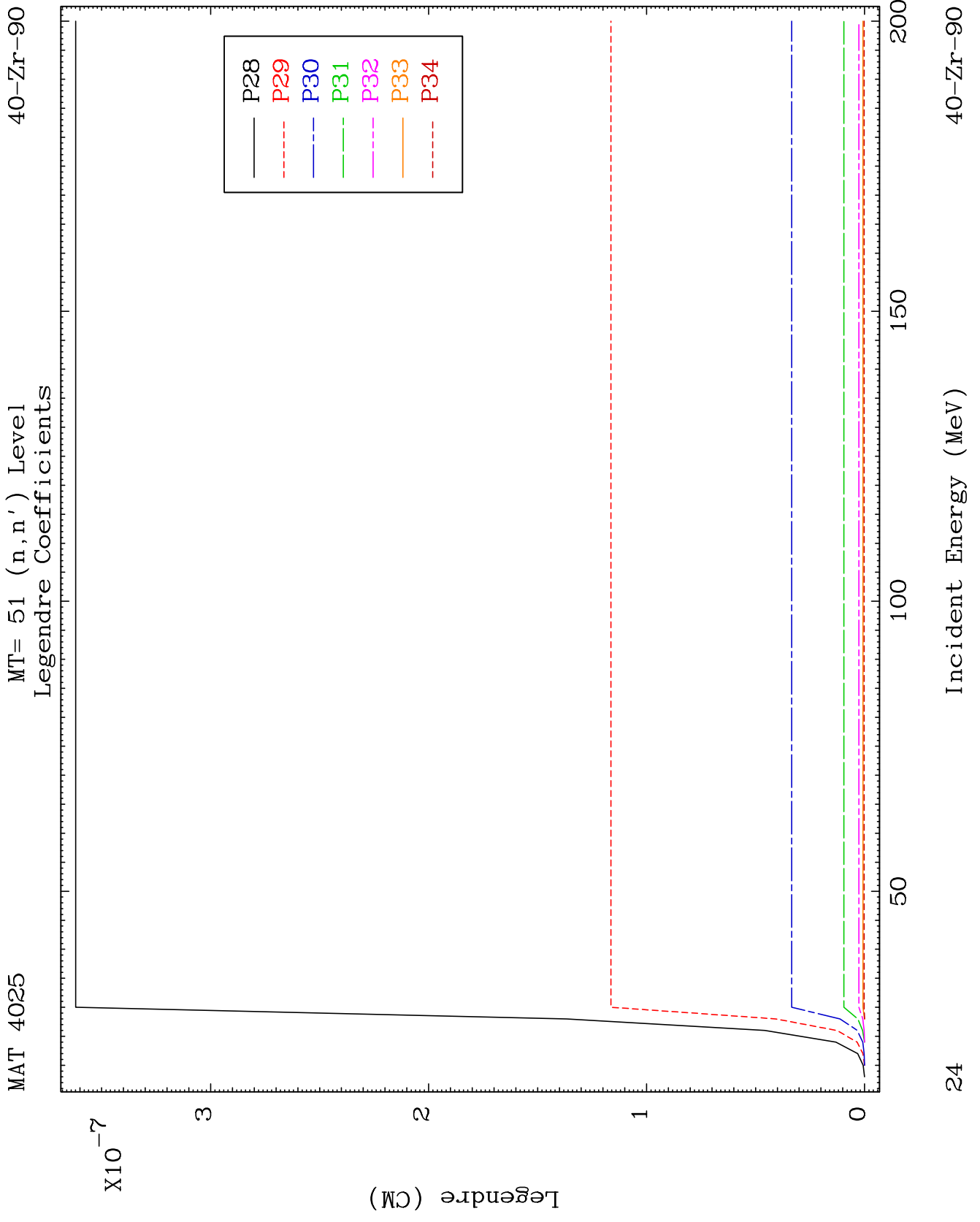
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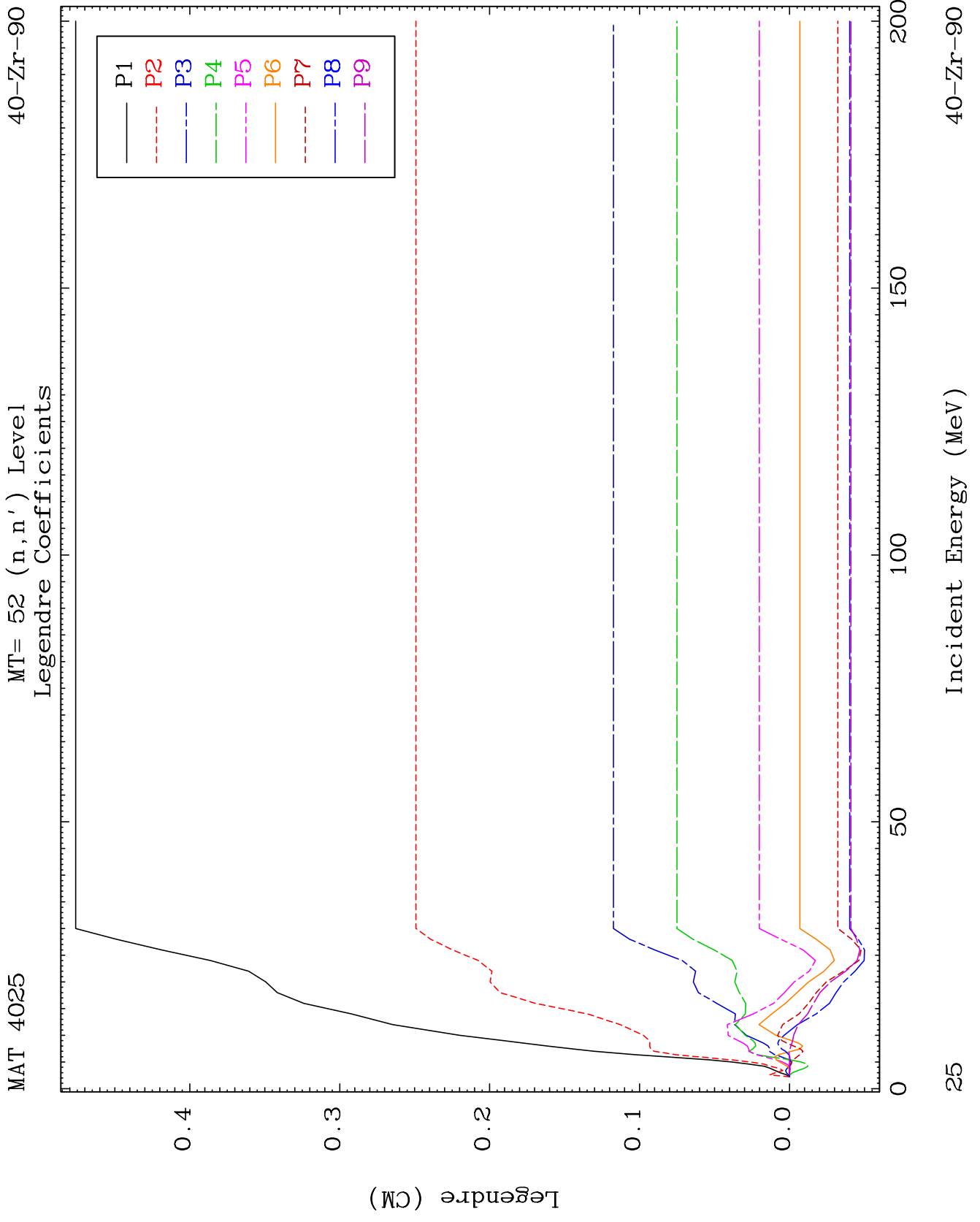
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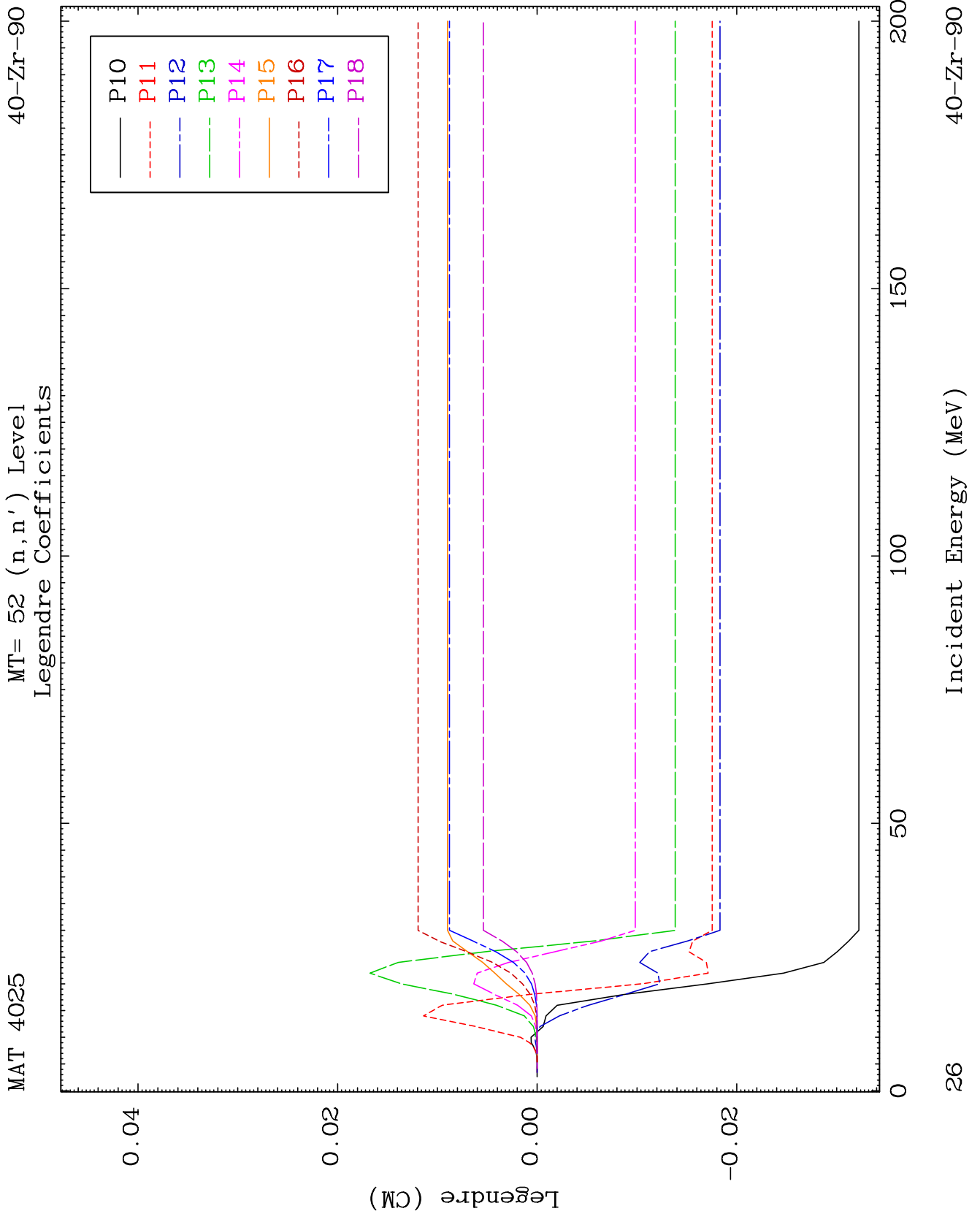


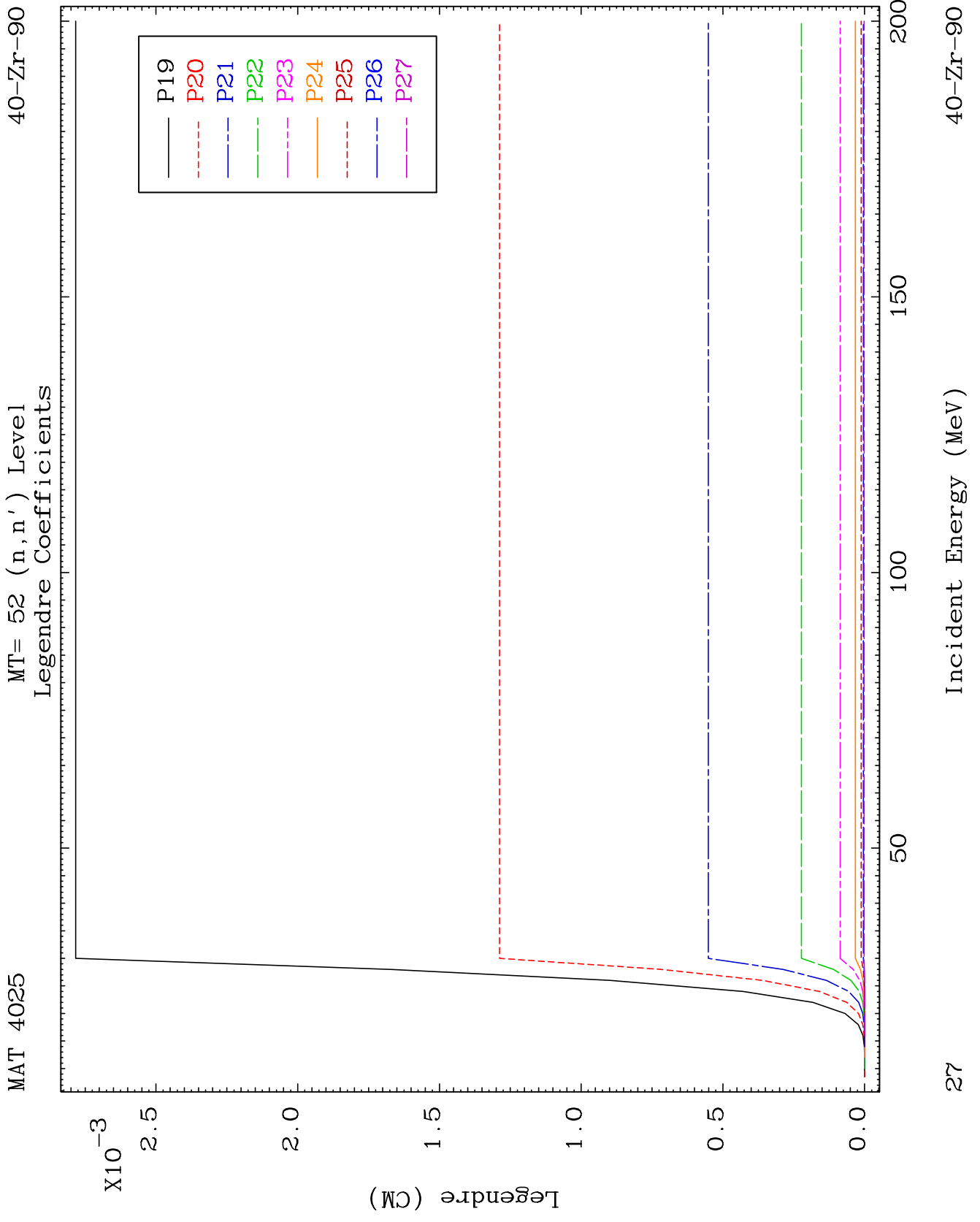


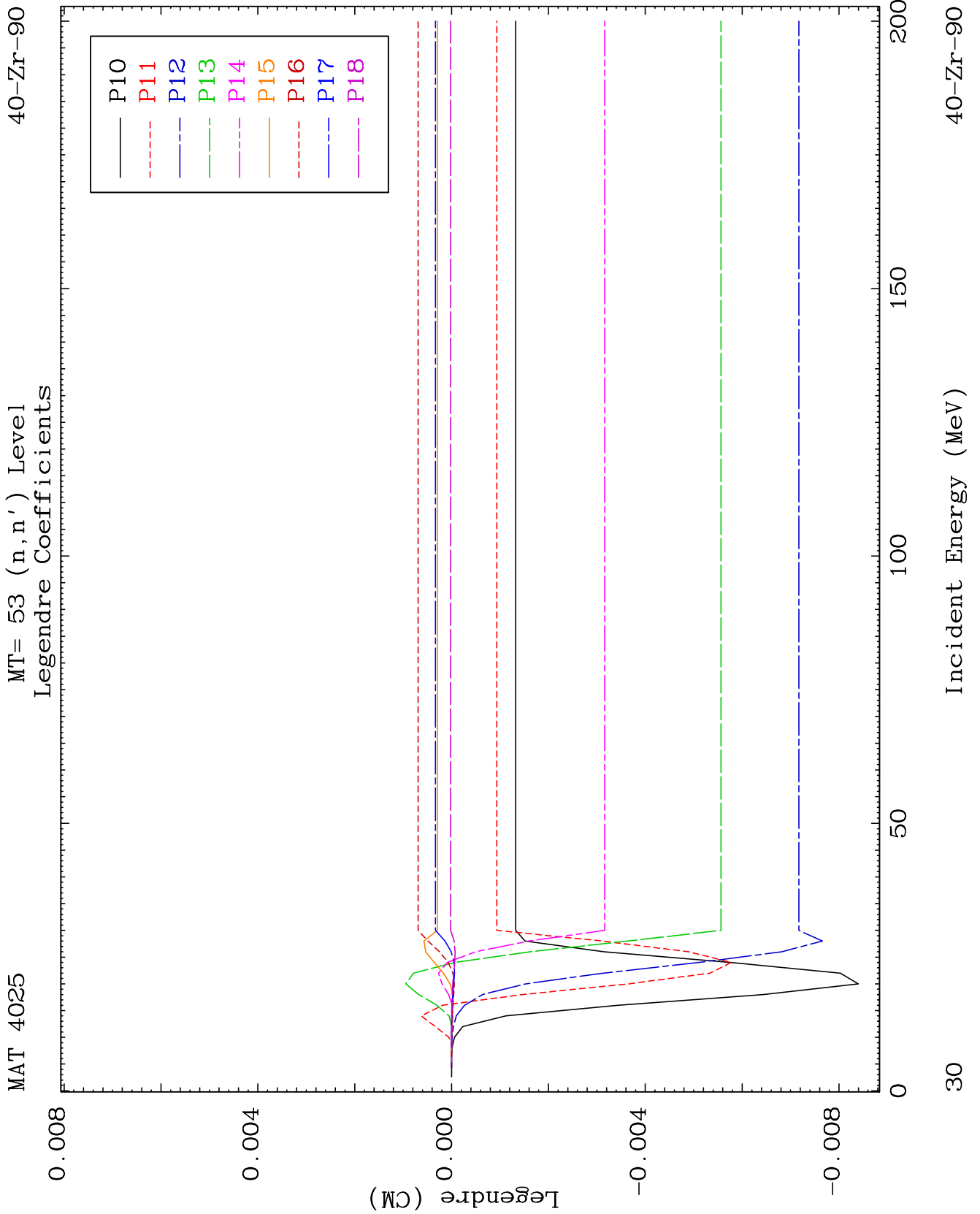


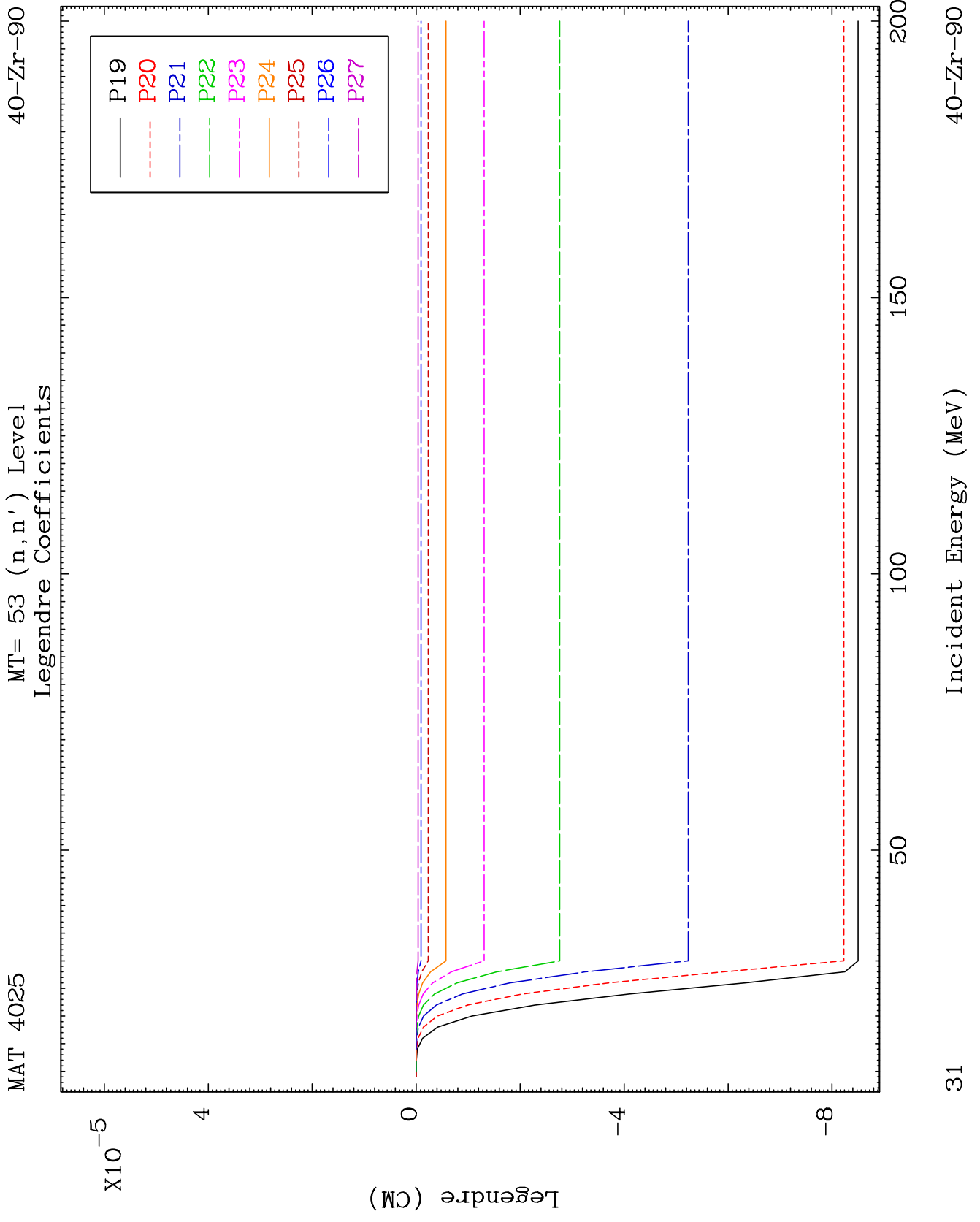


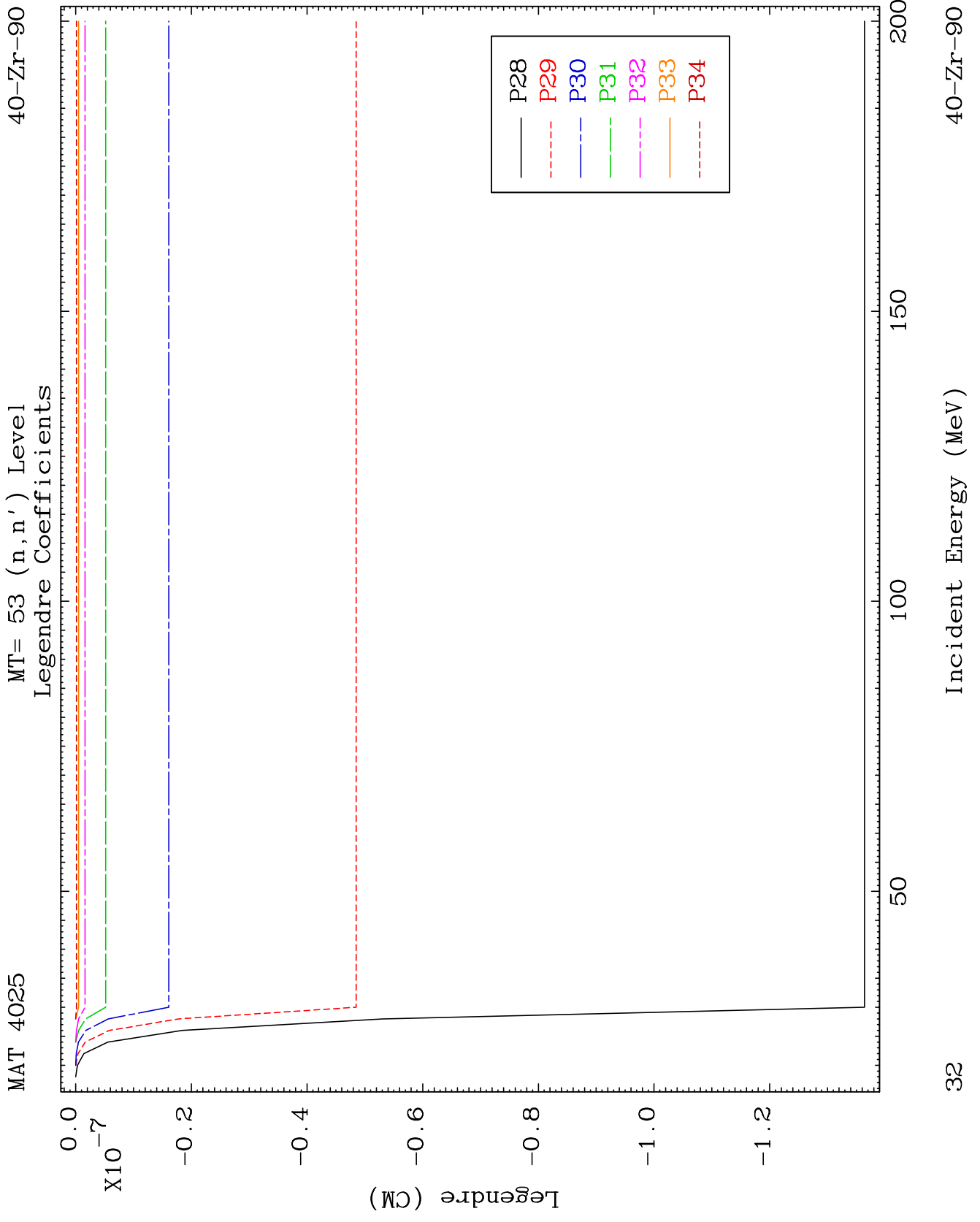


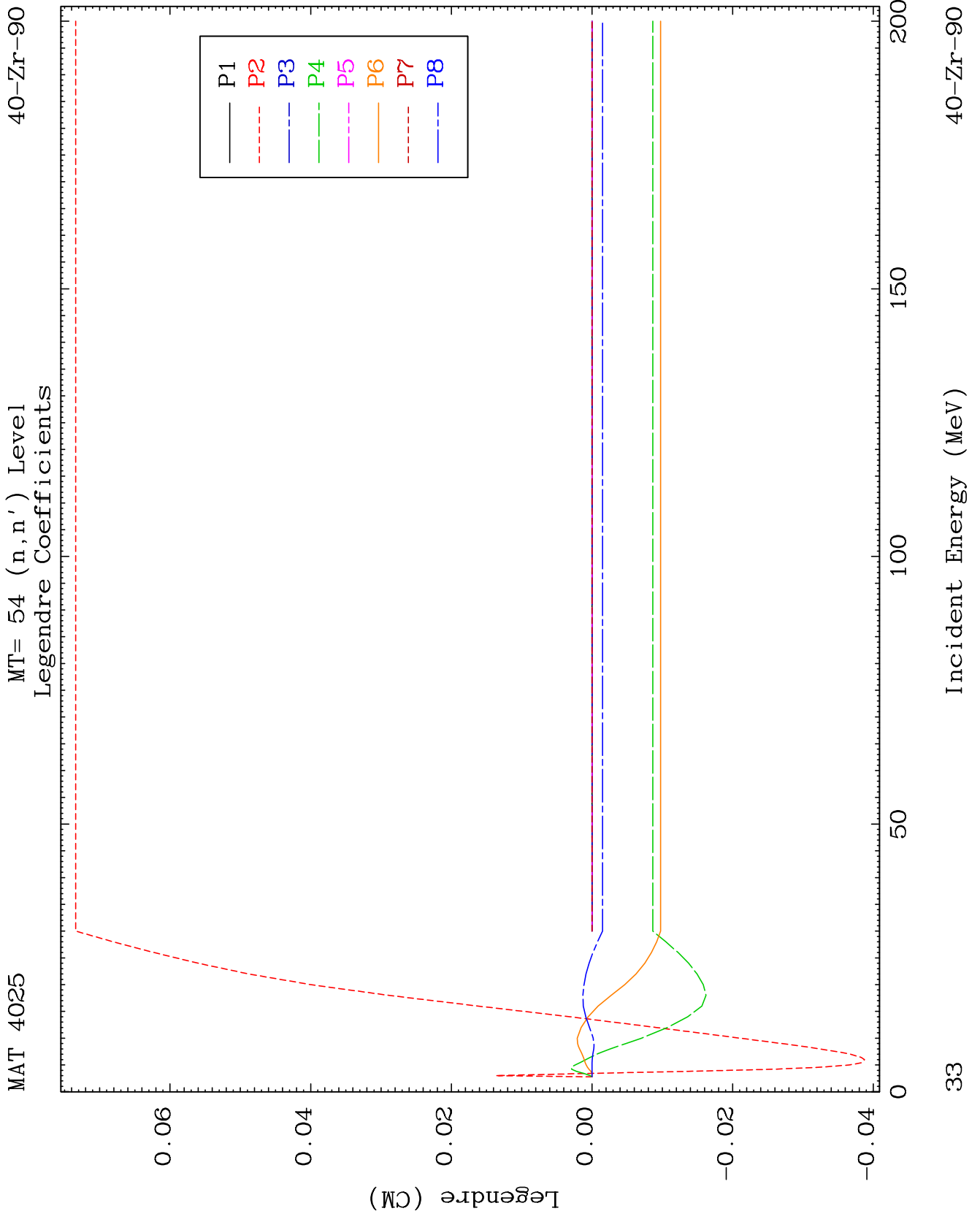


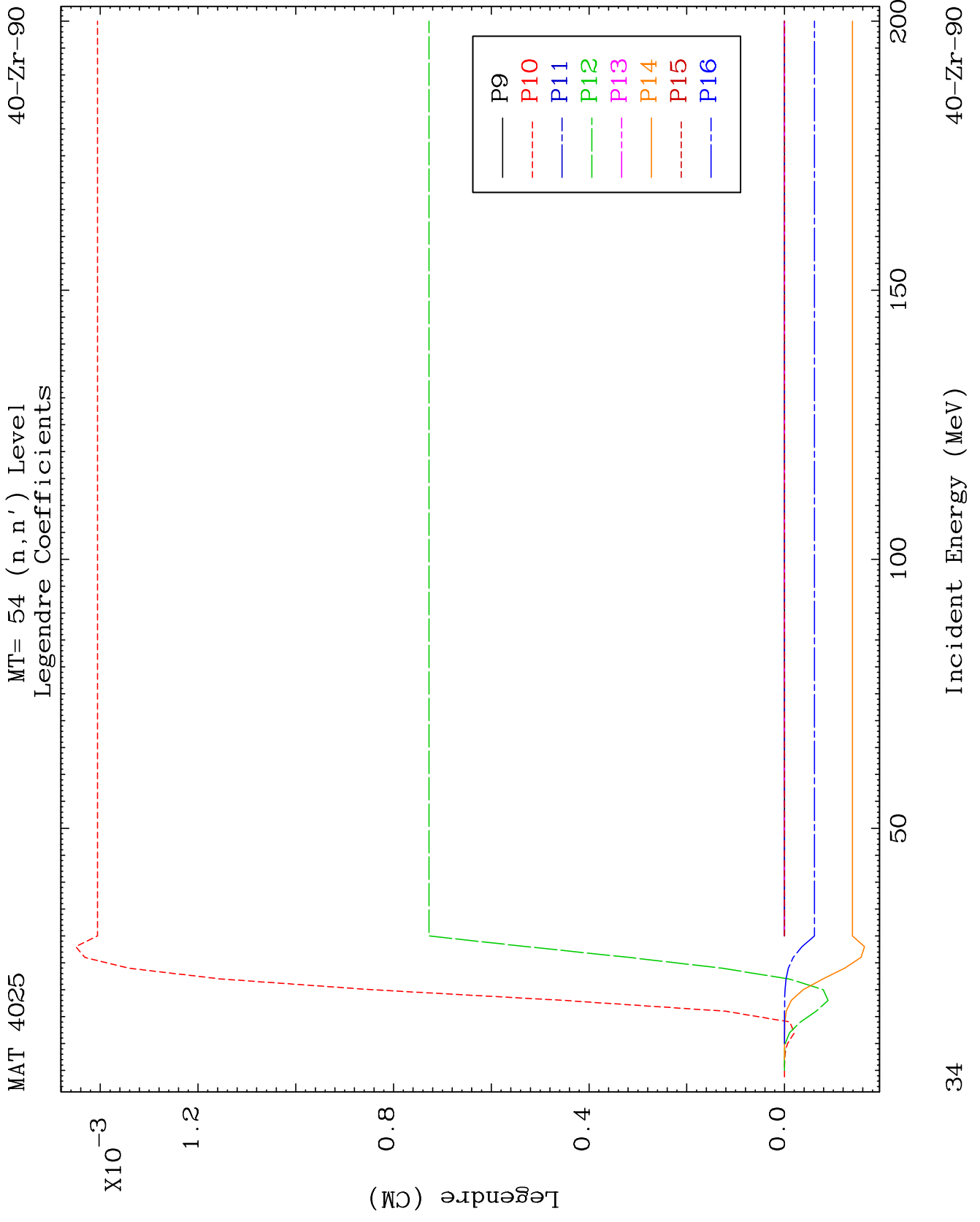


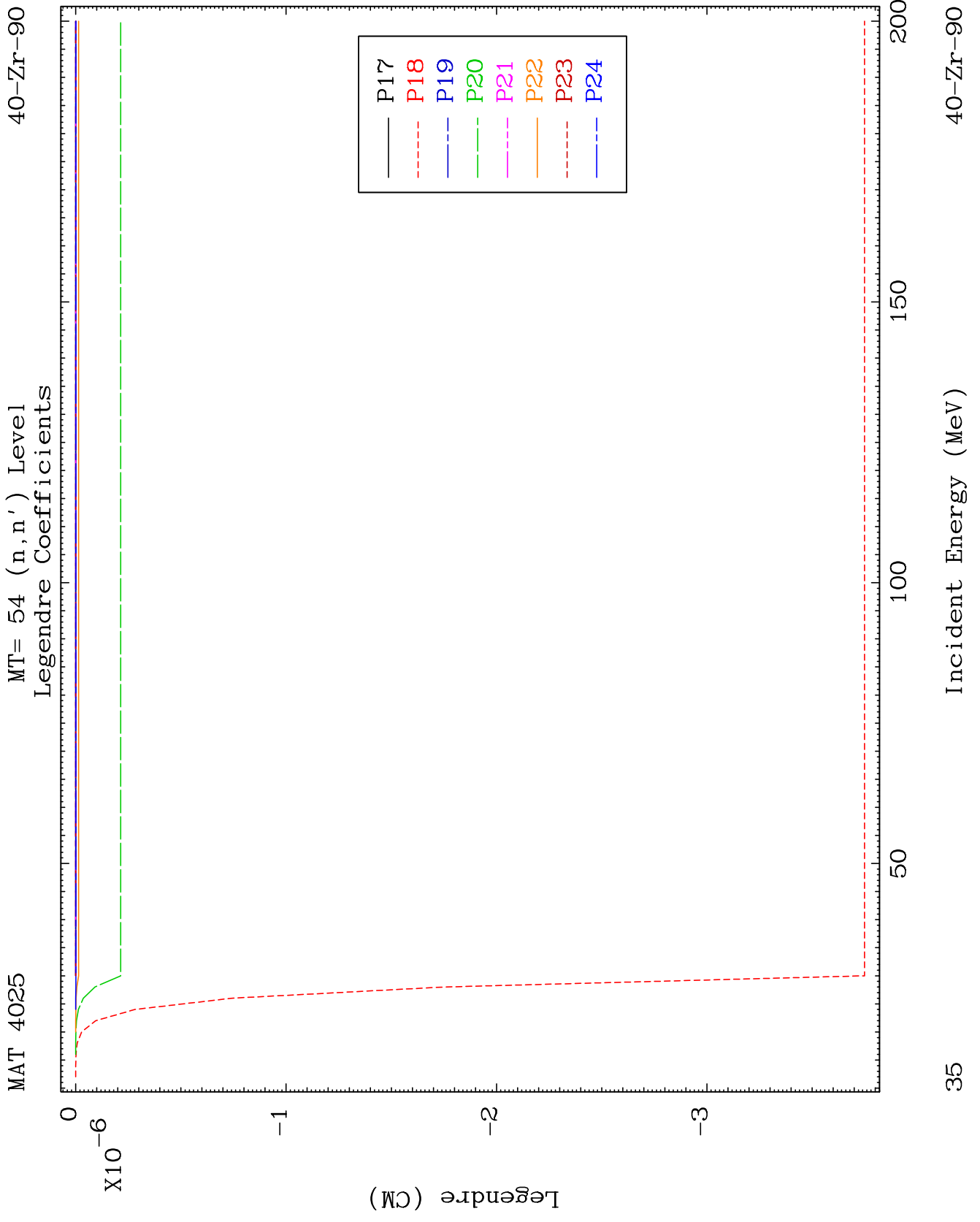


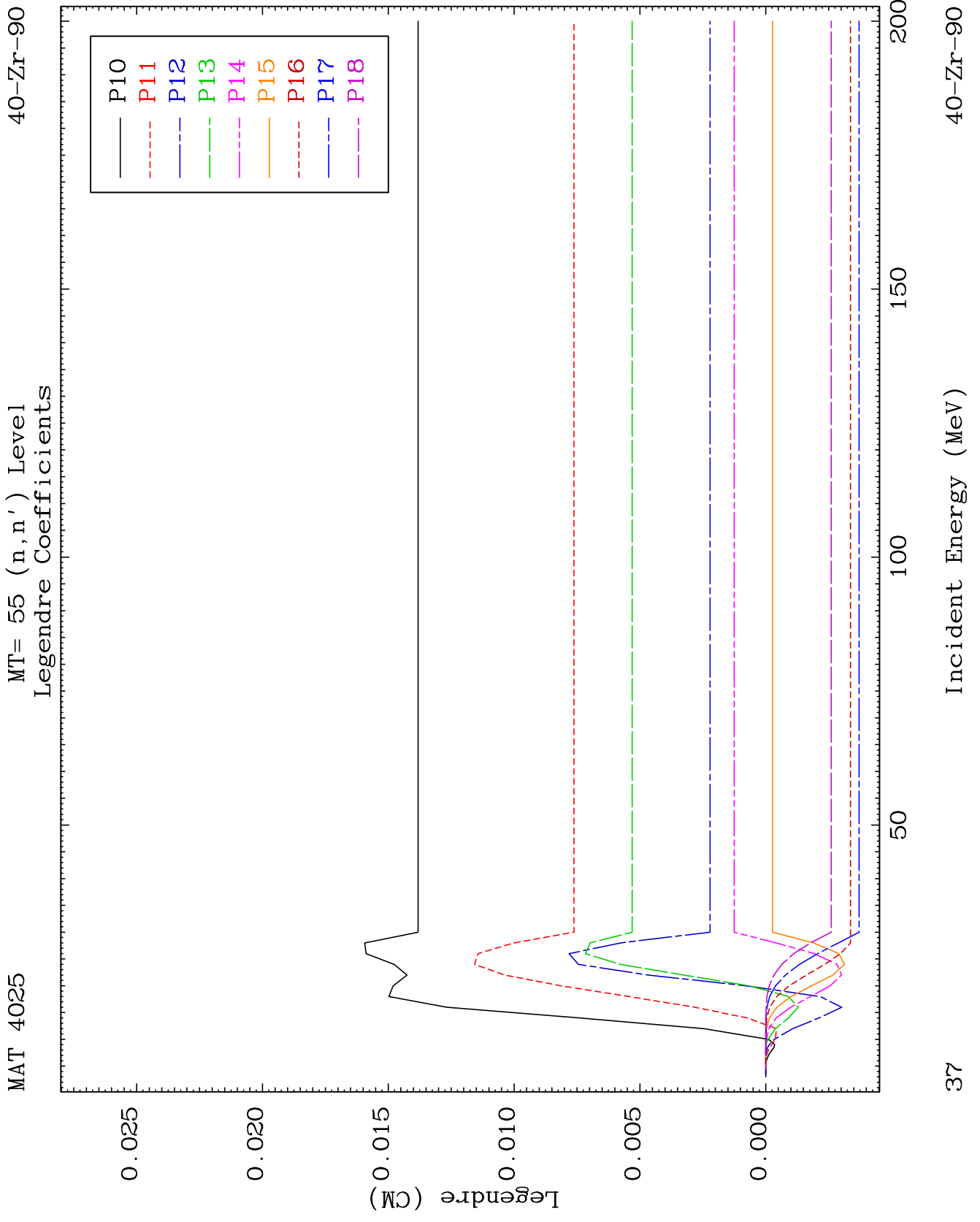


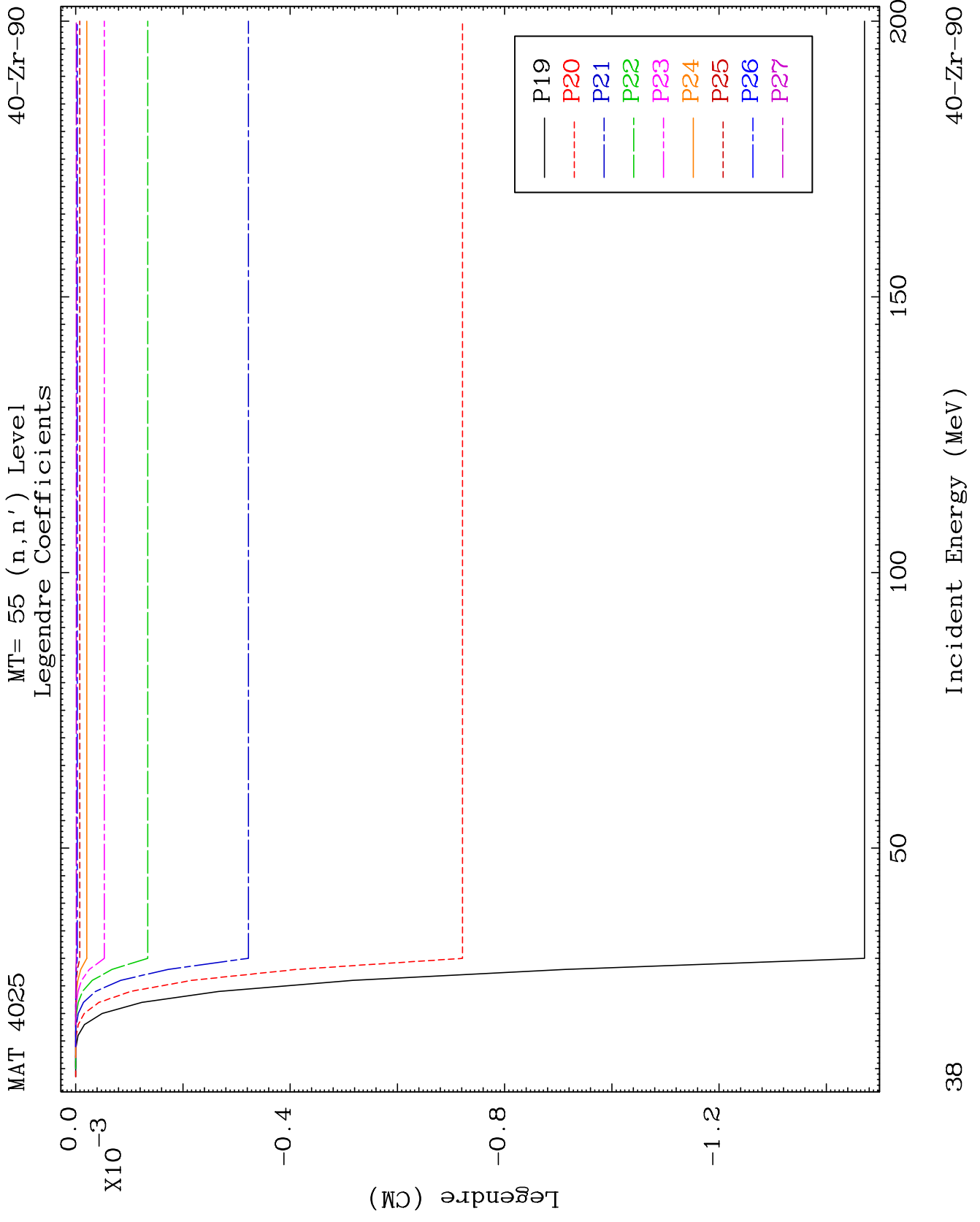


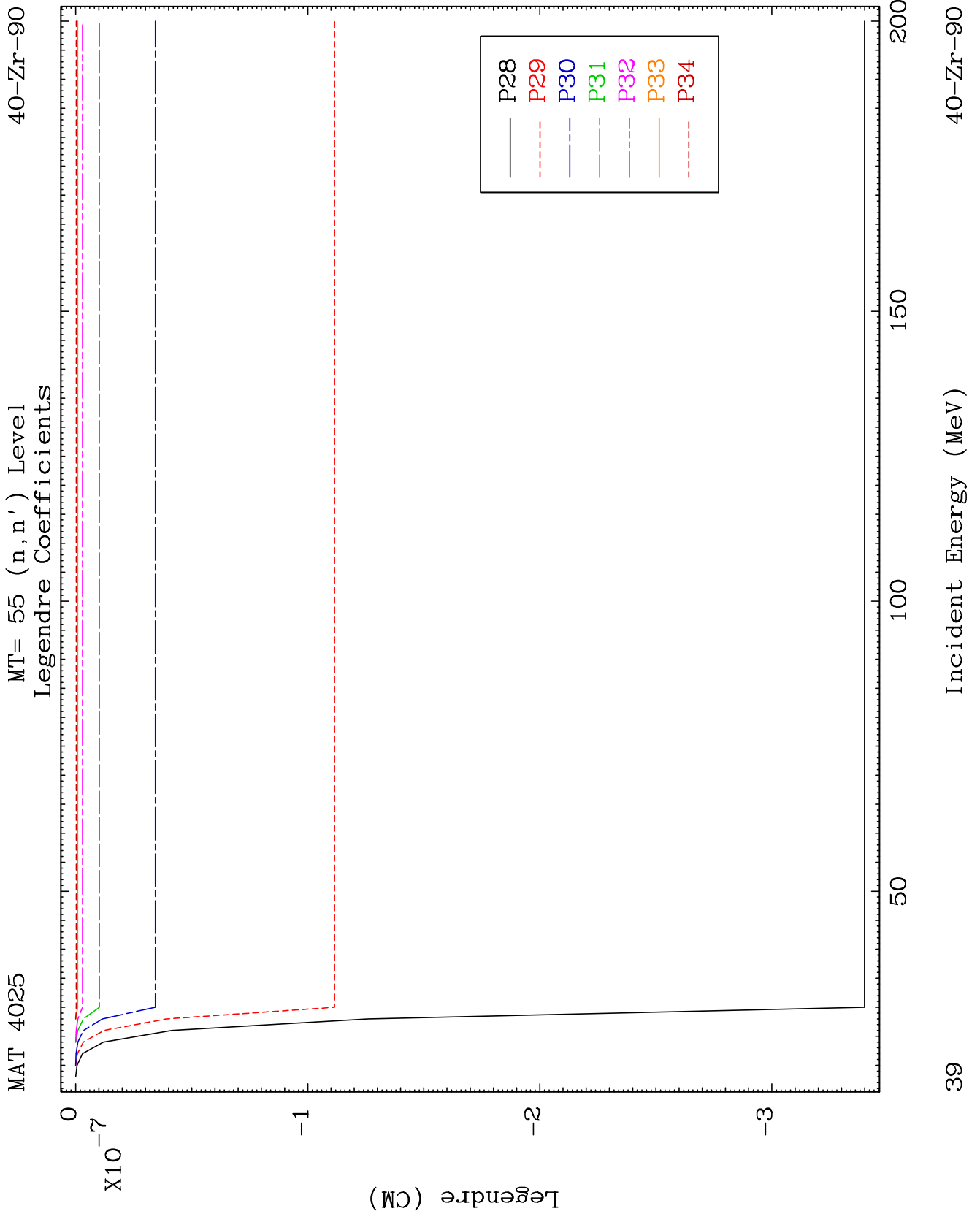


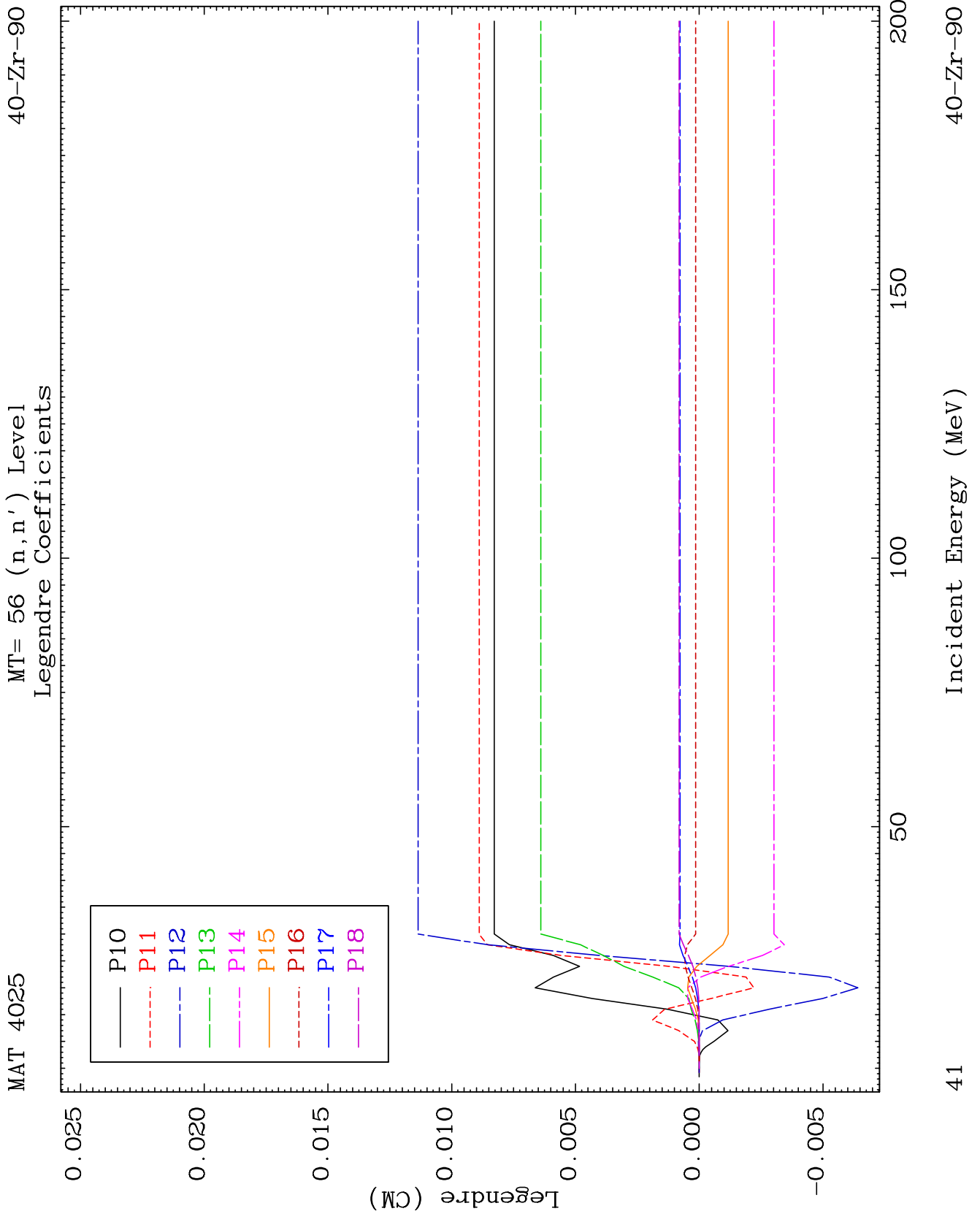


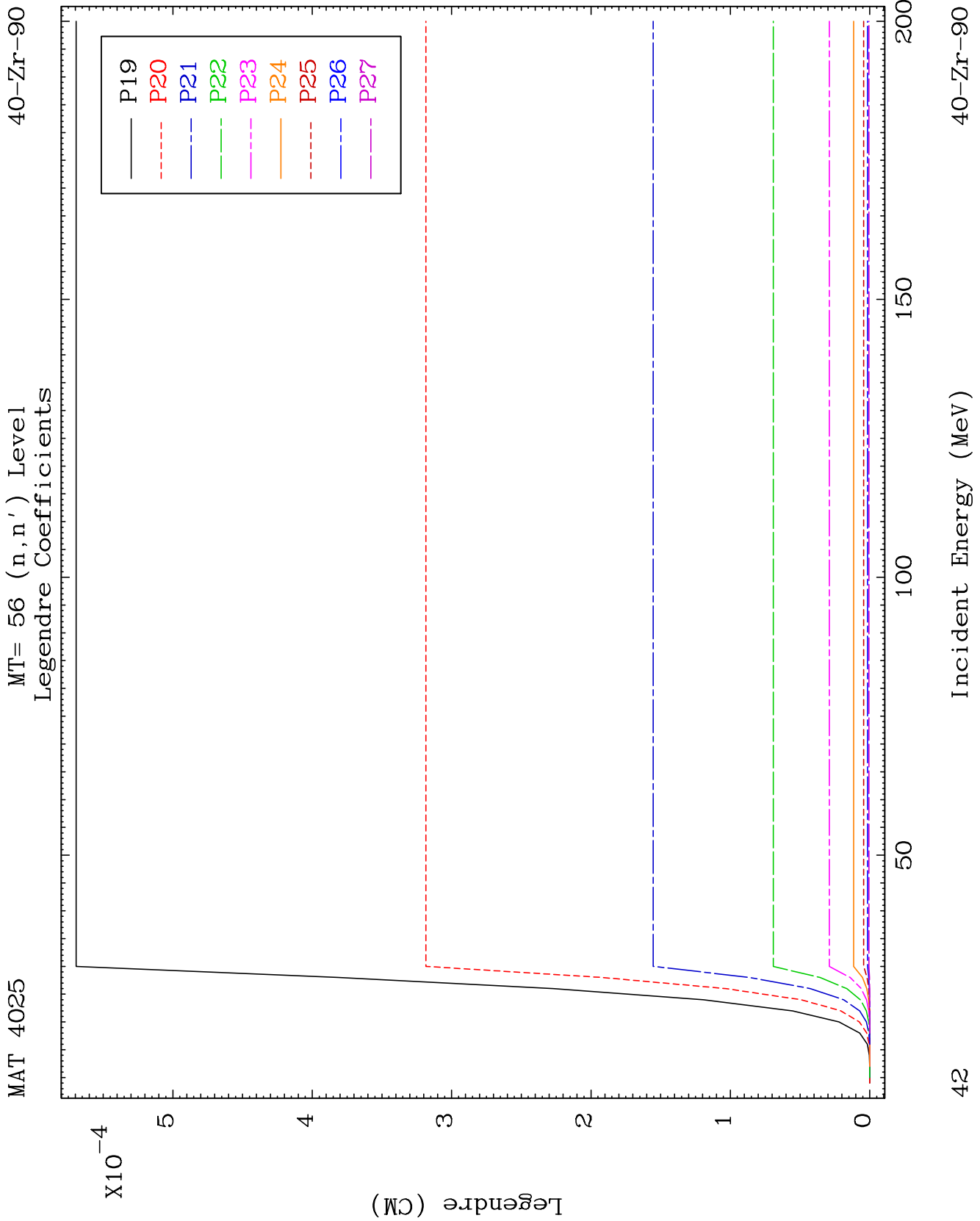


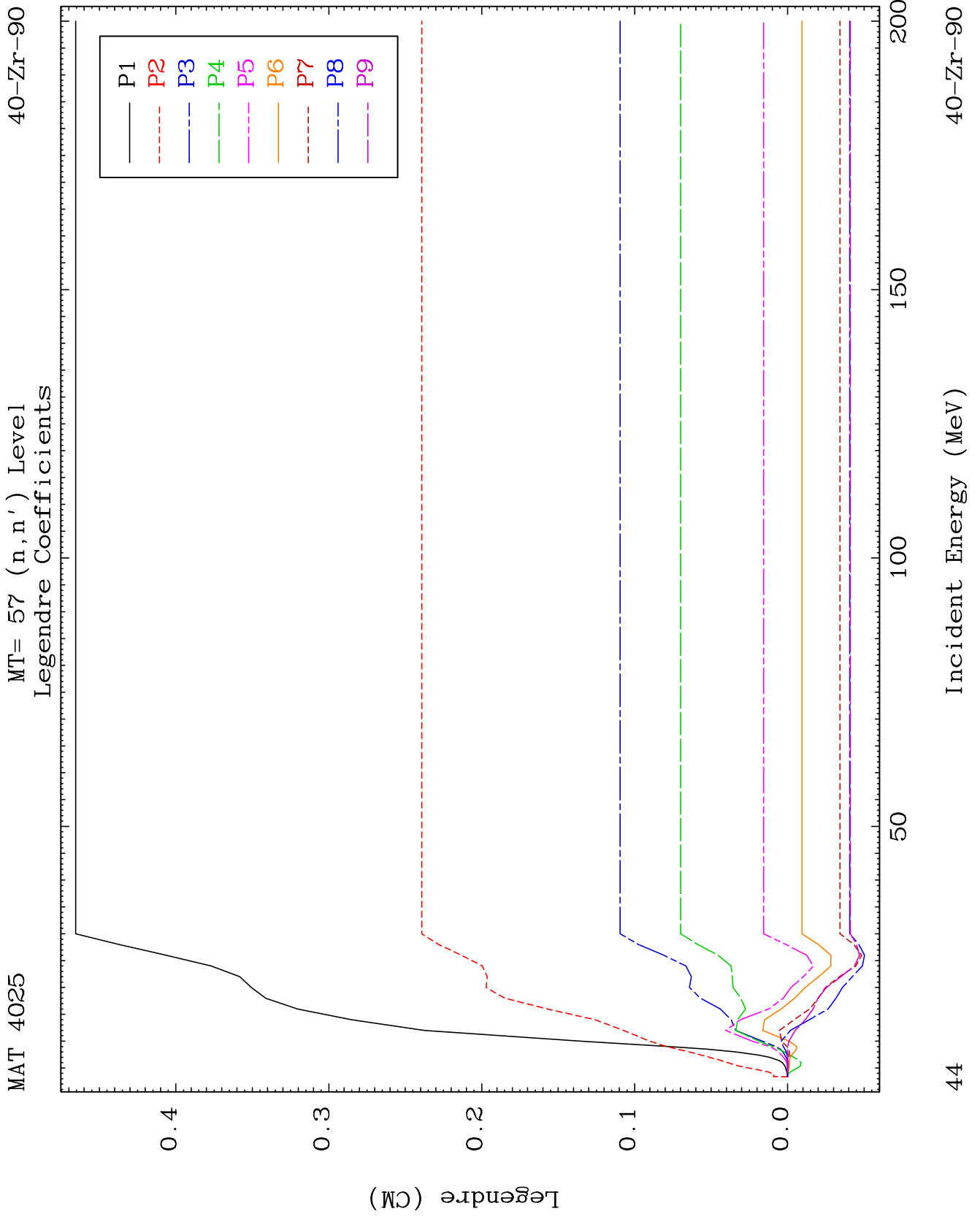


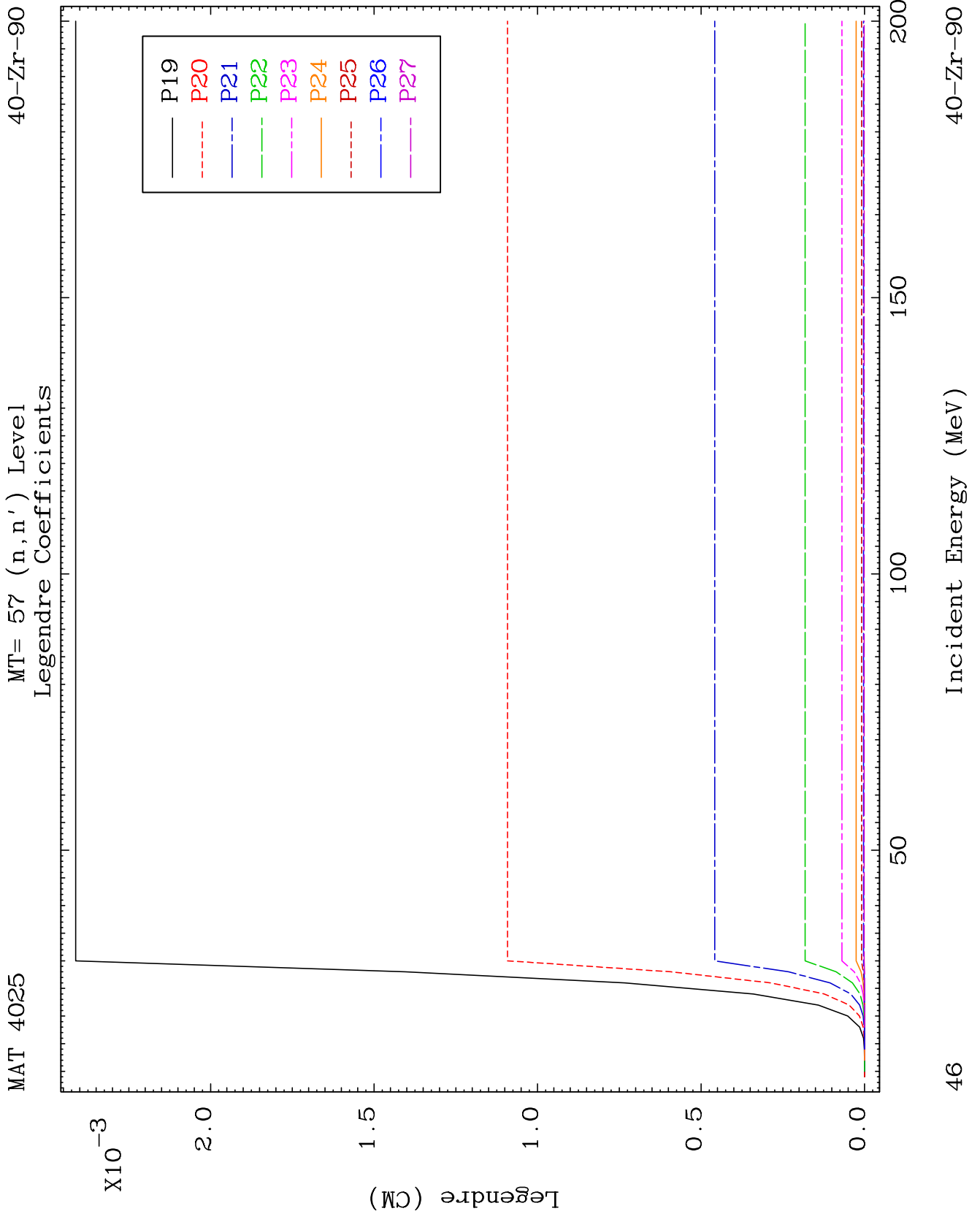








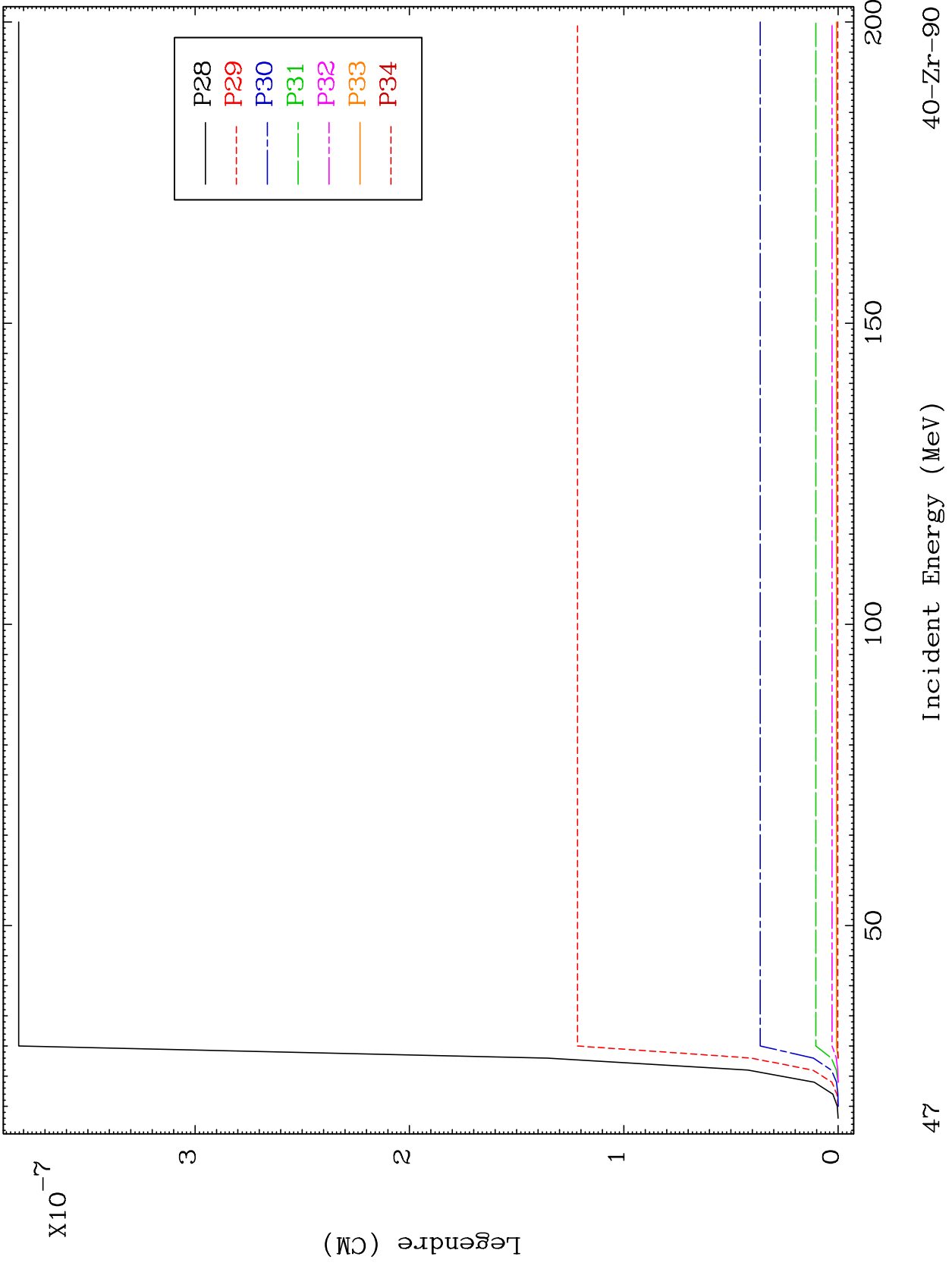


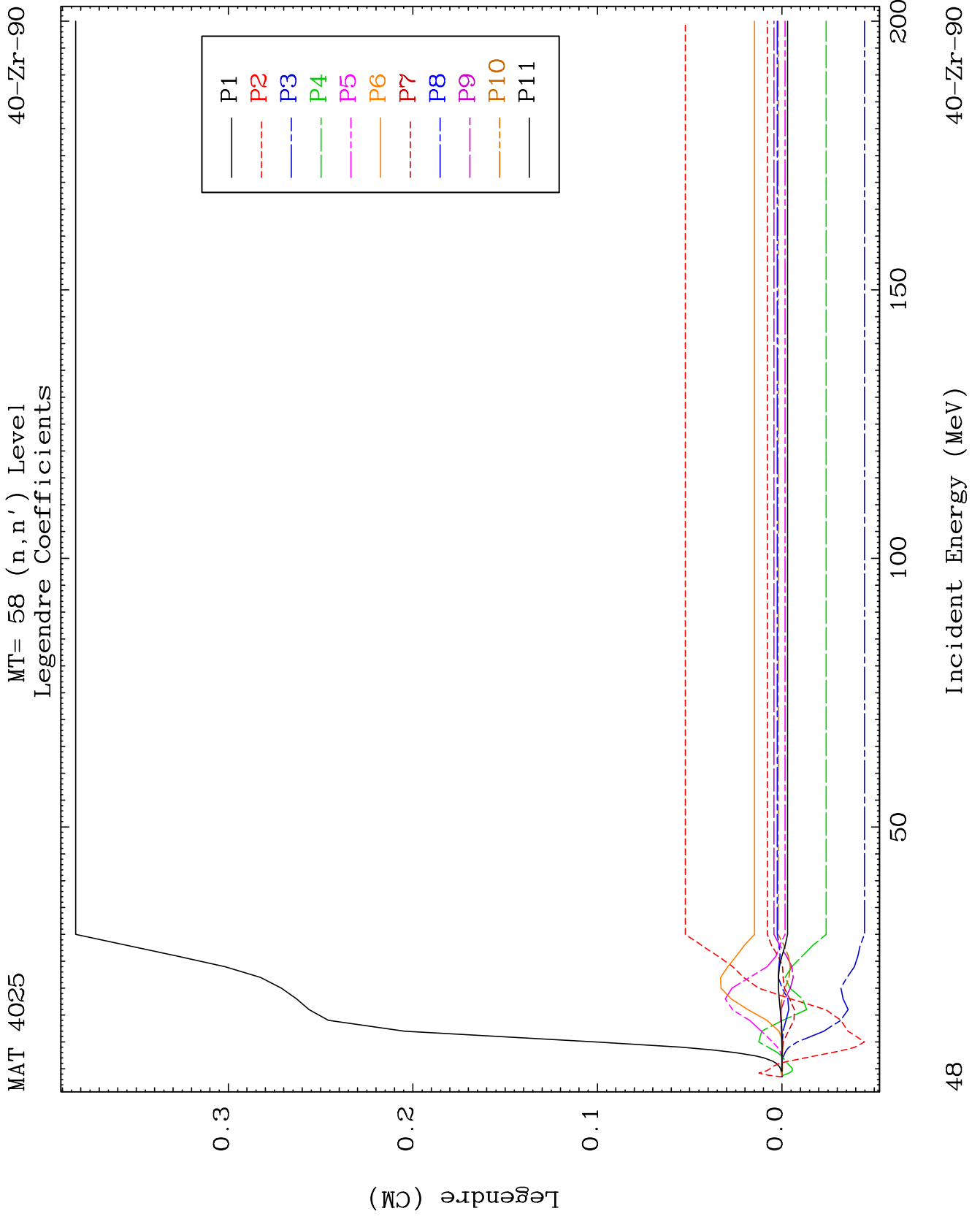


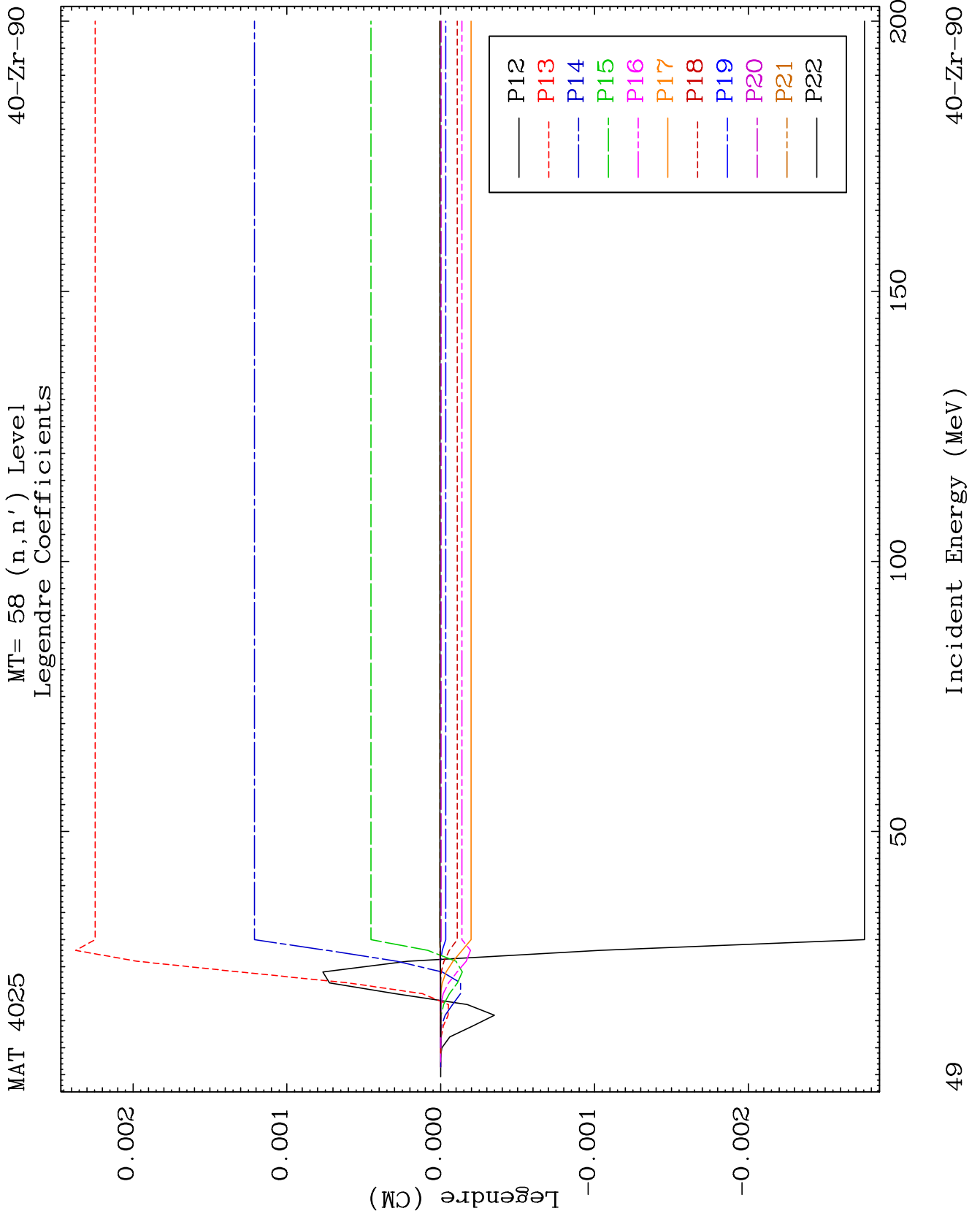
MAT 4025

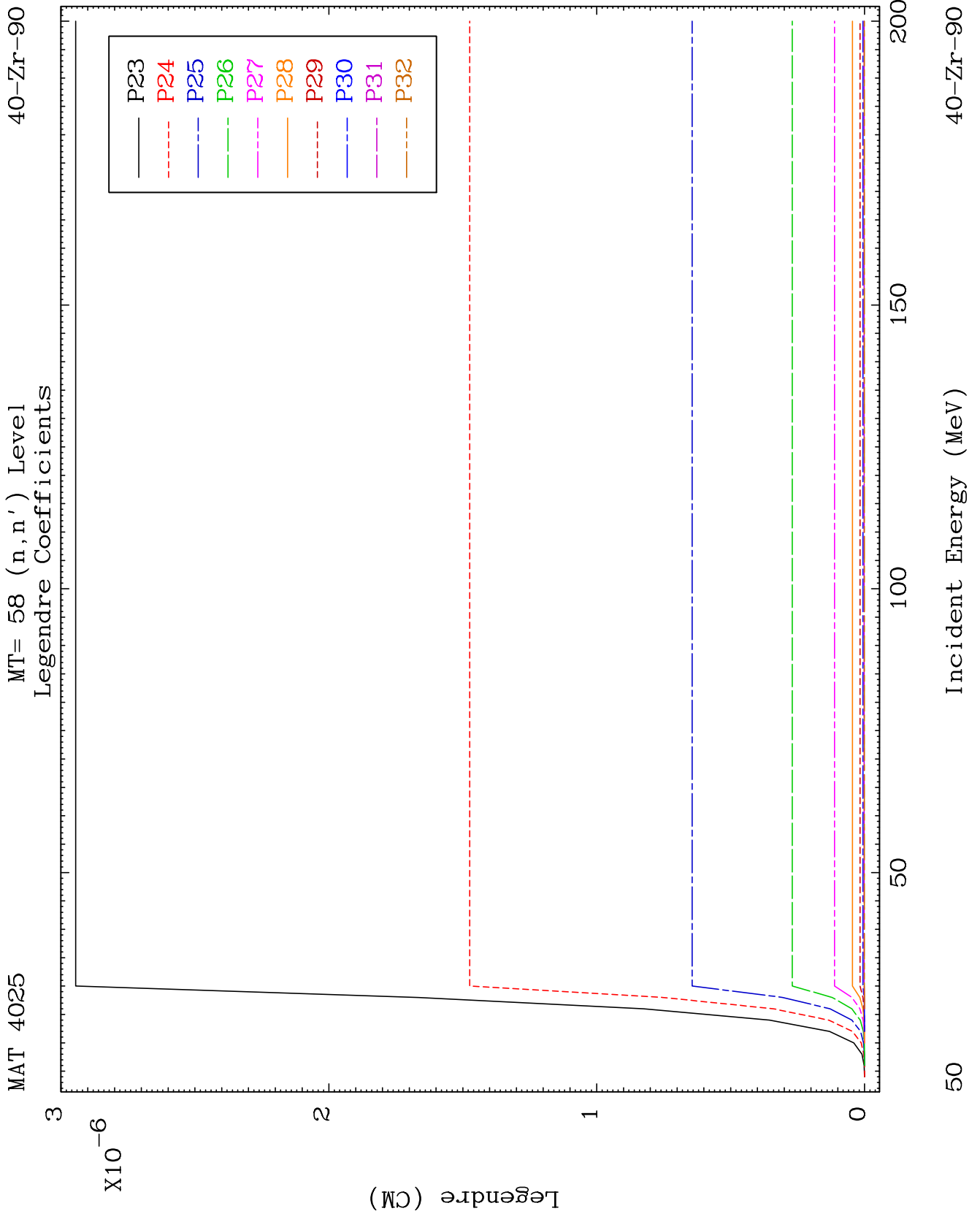
MT= 57 (n,n') Level
Legendre Coefficients

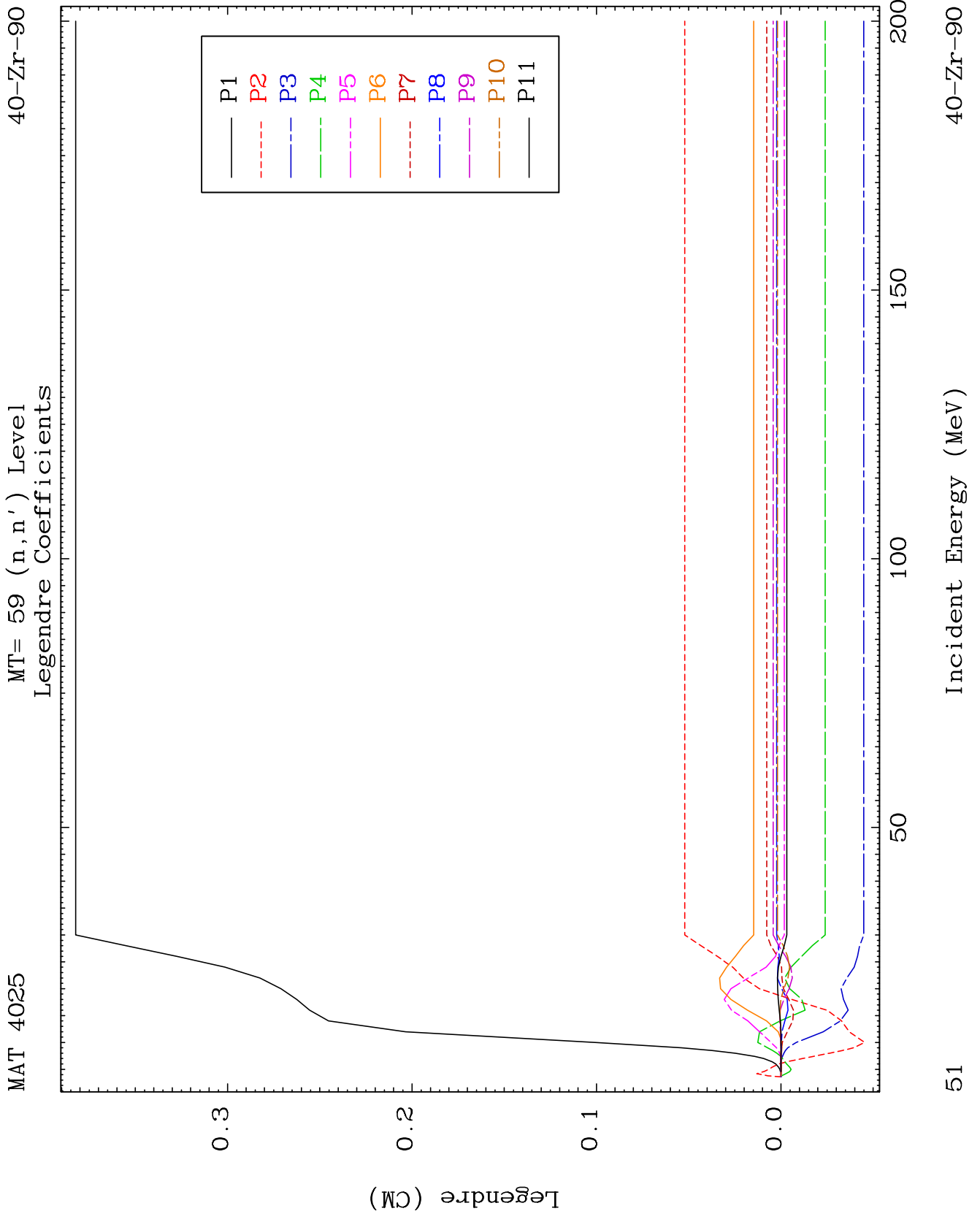
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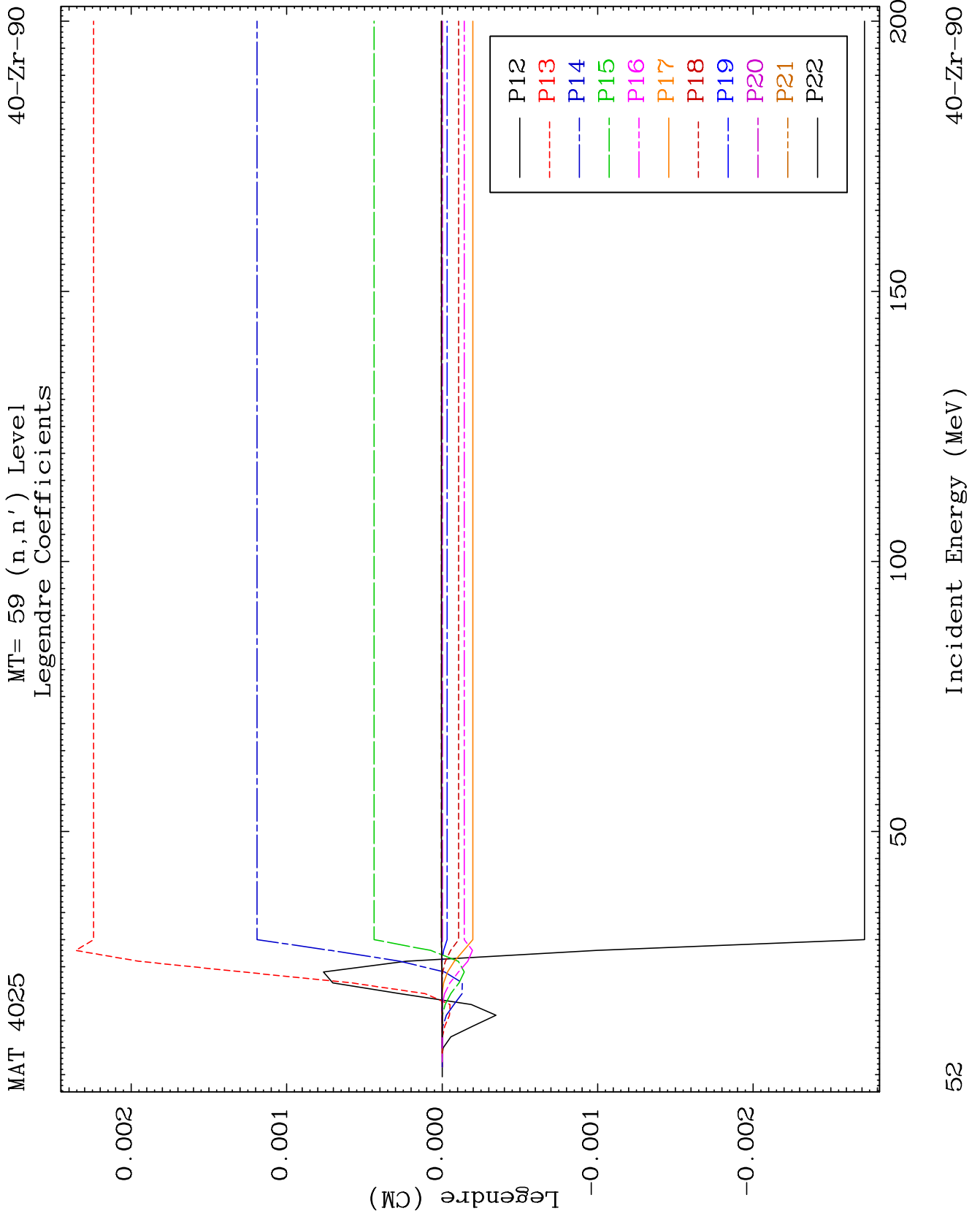


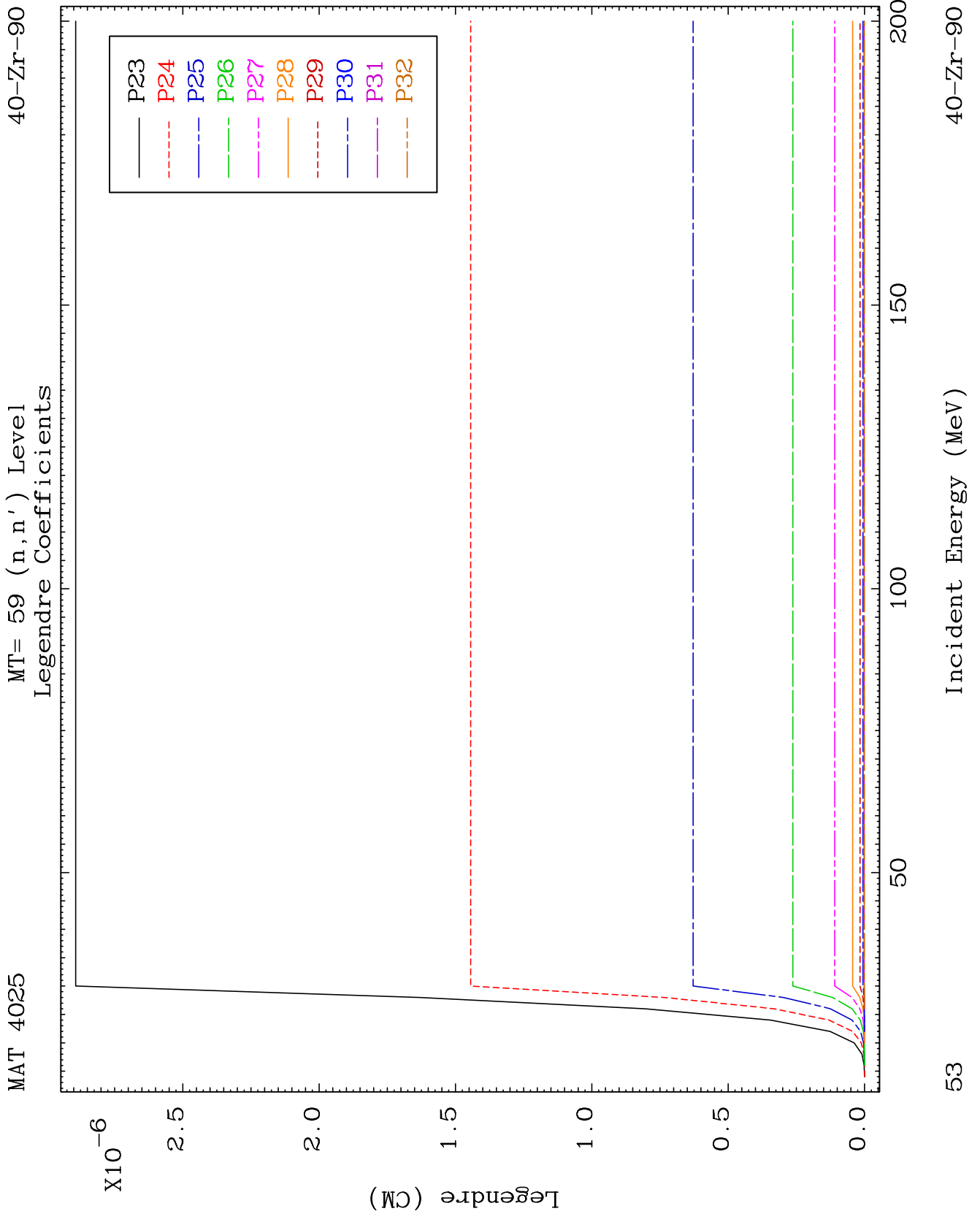


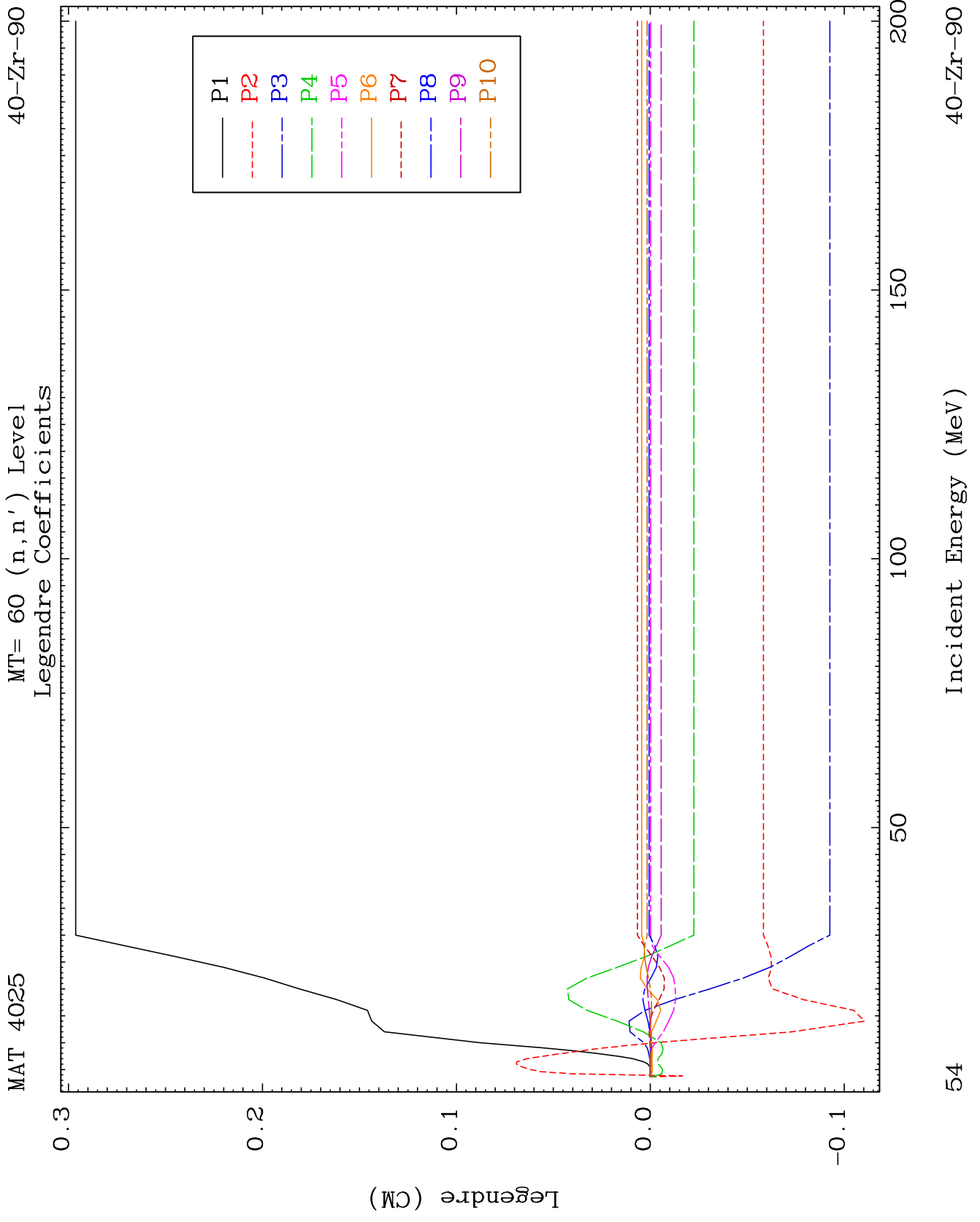


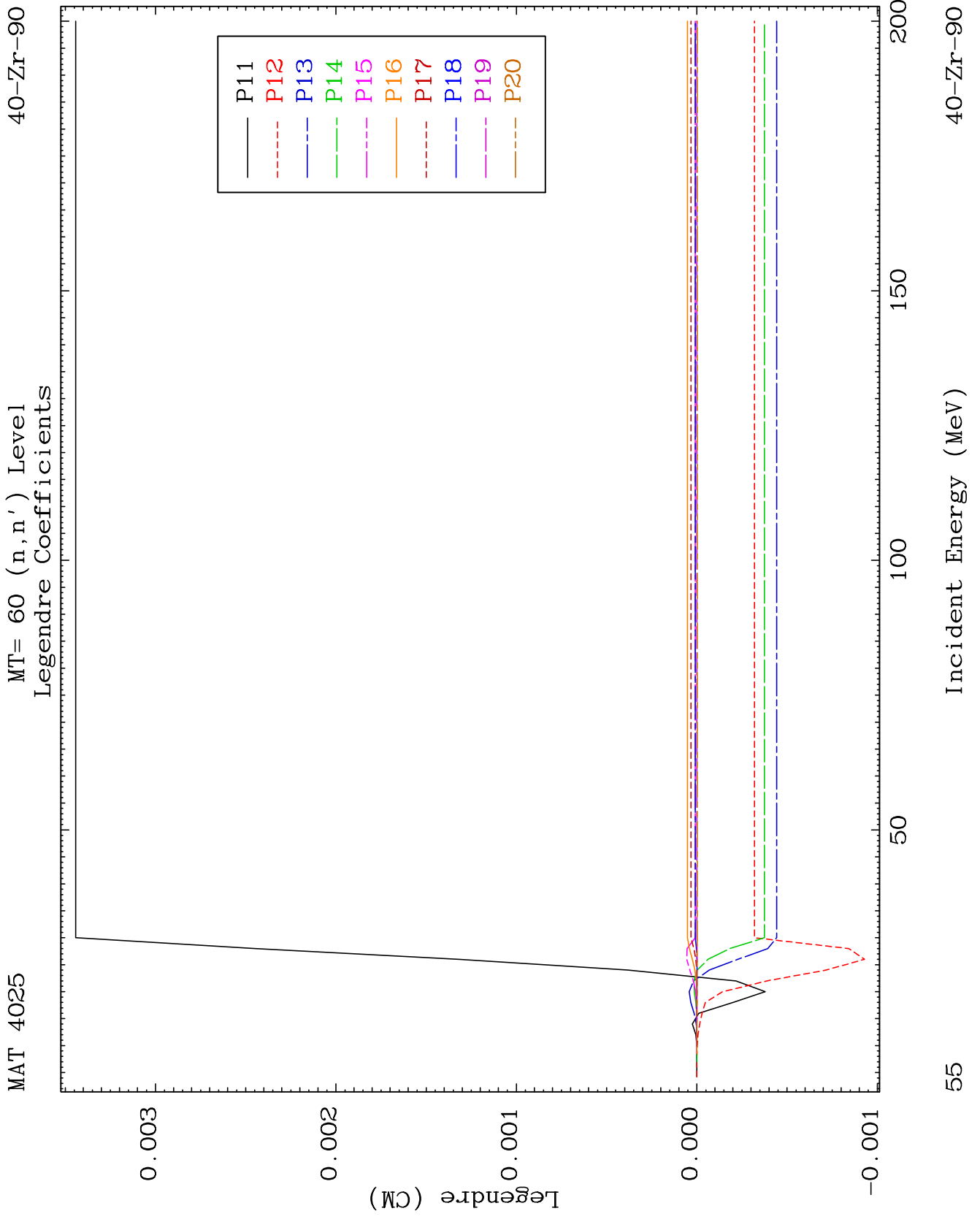


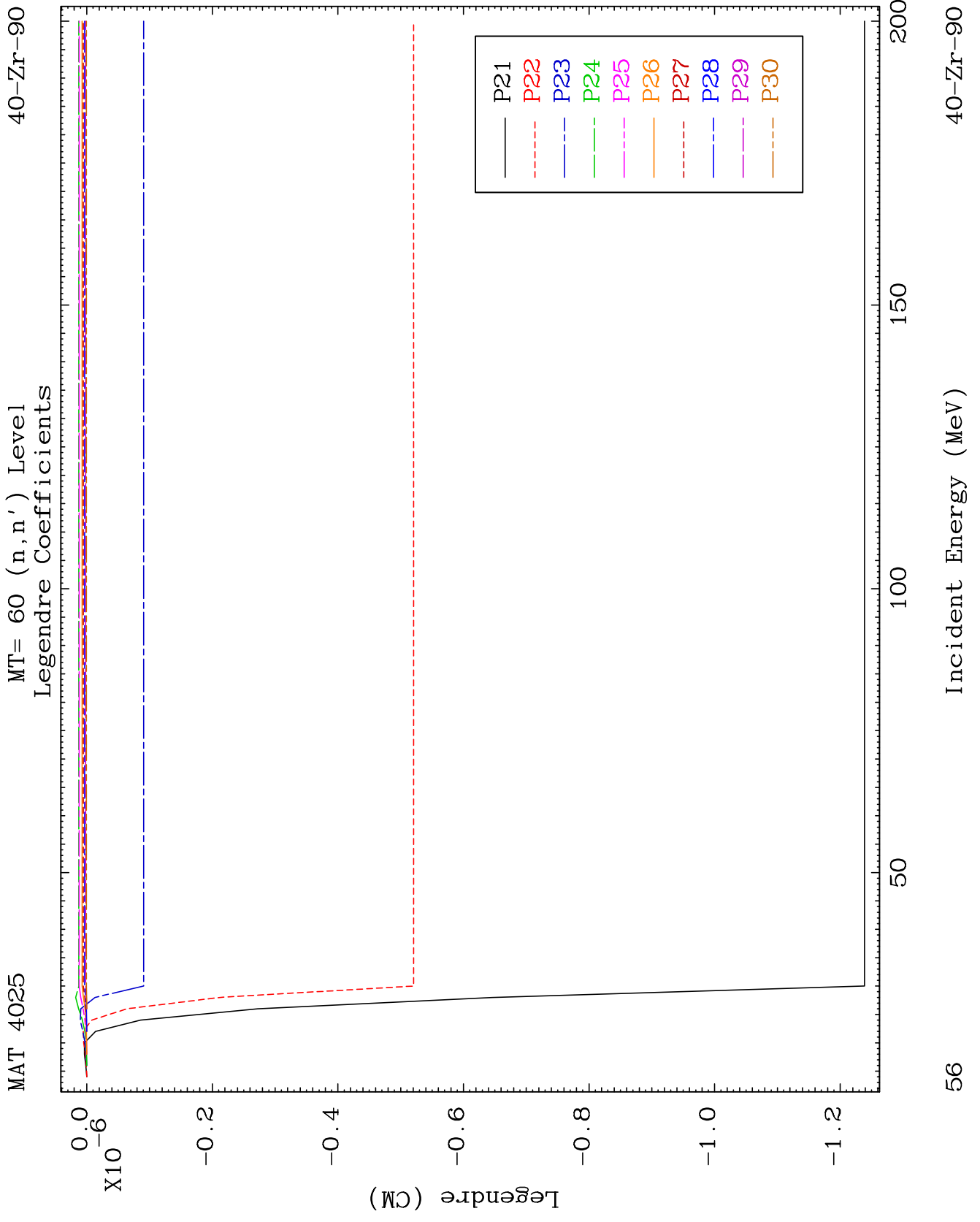


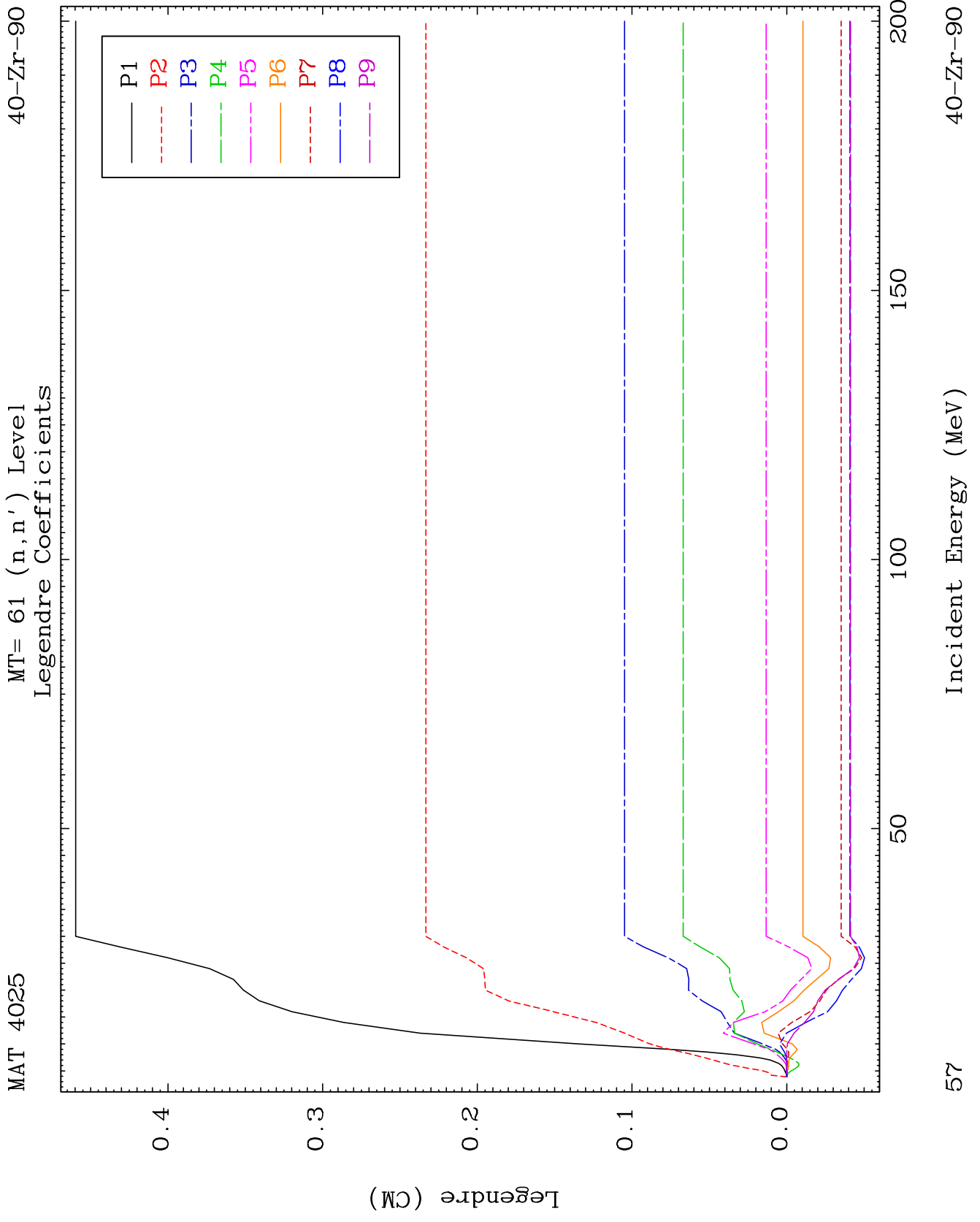


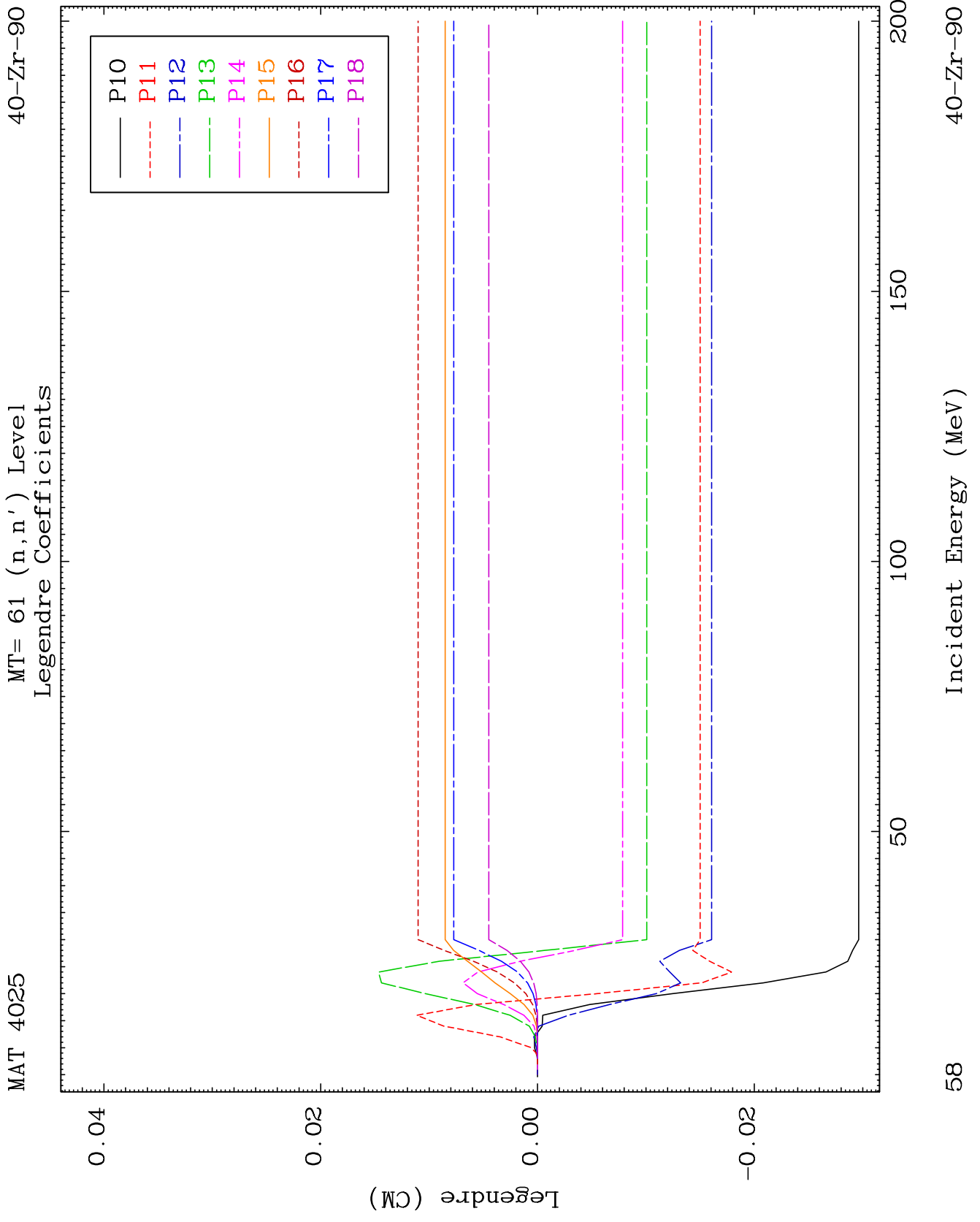


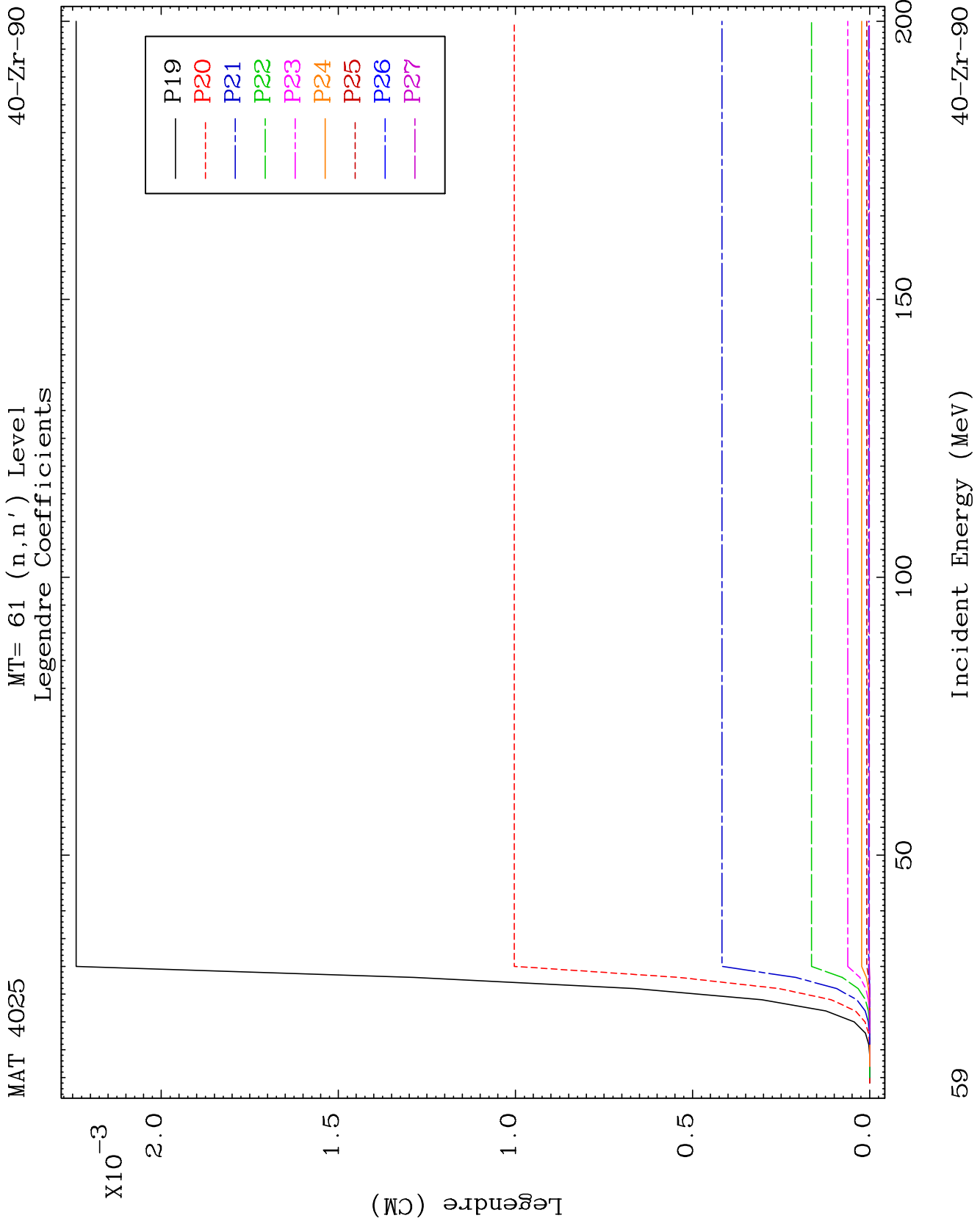


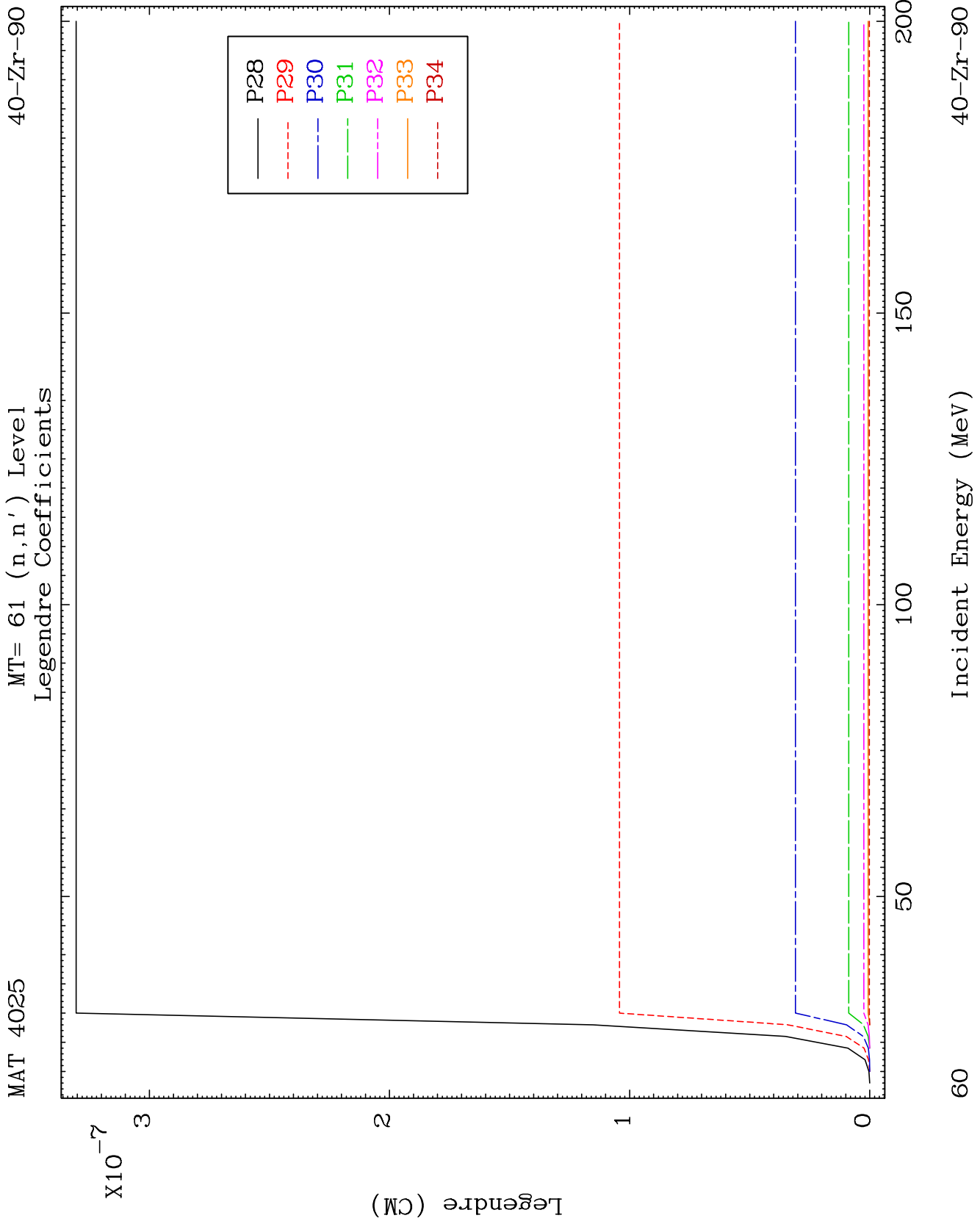


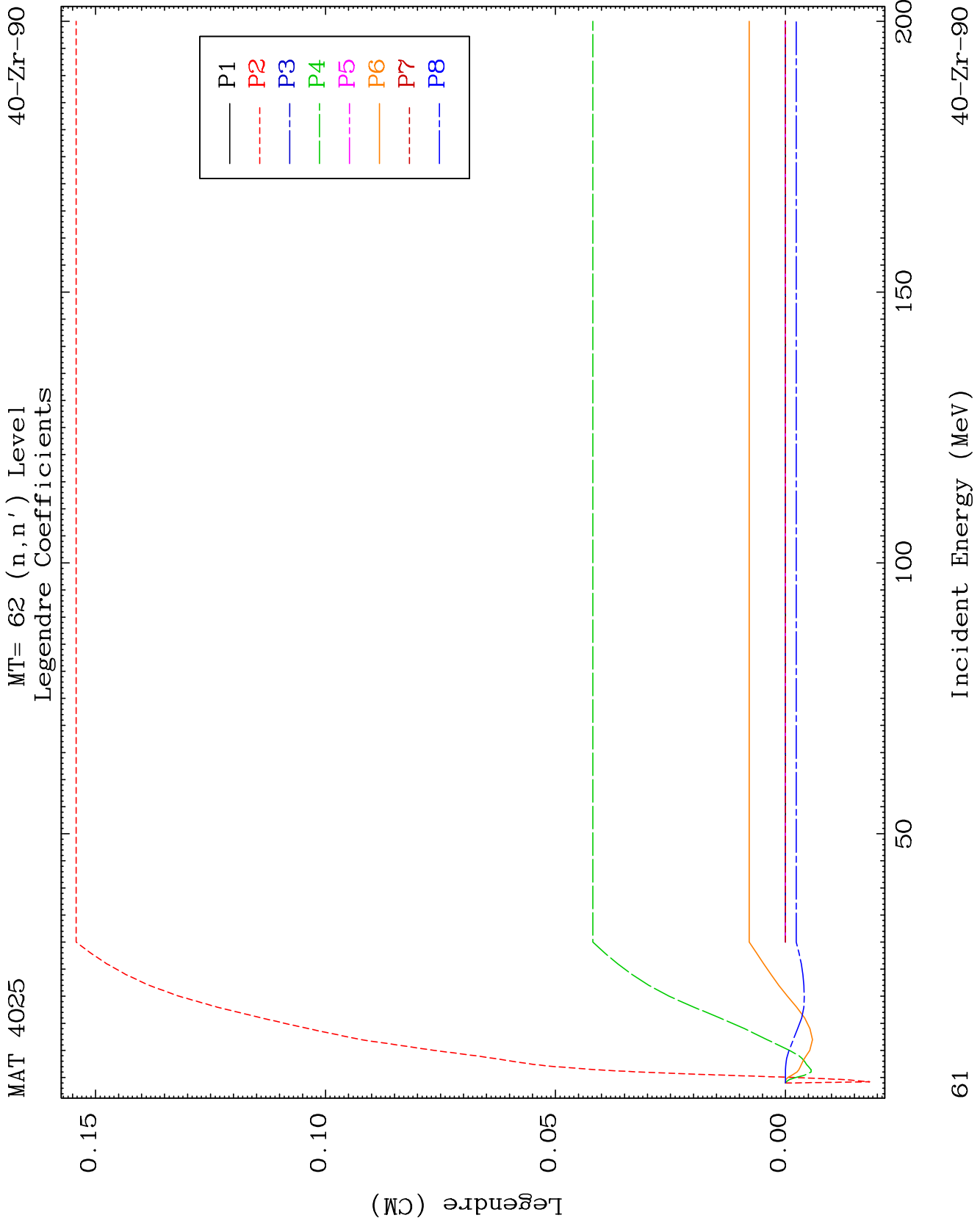


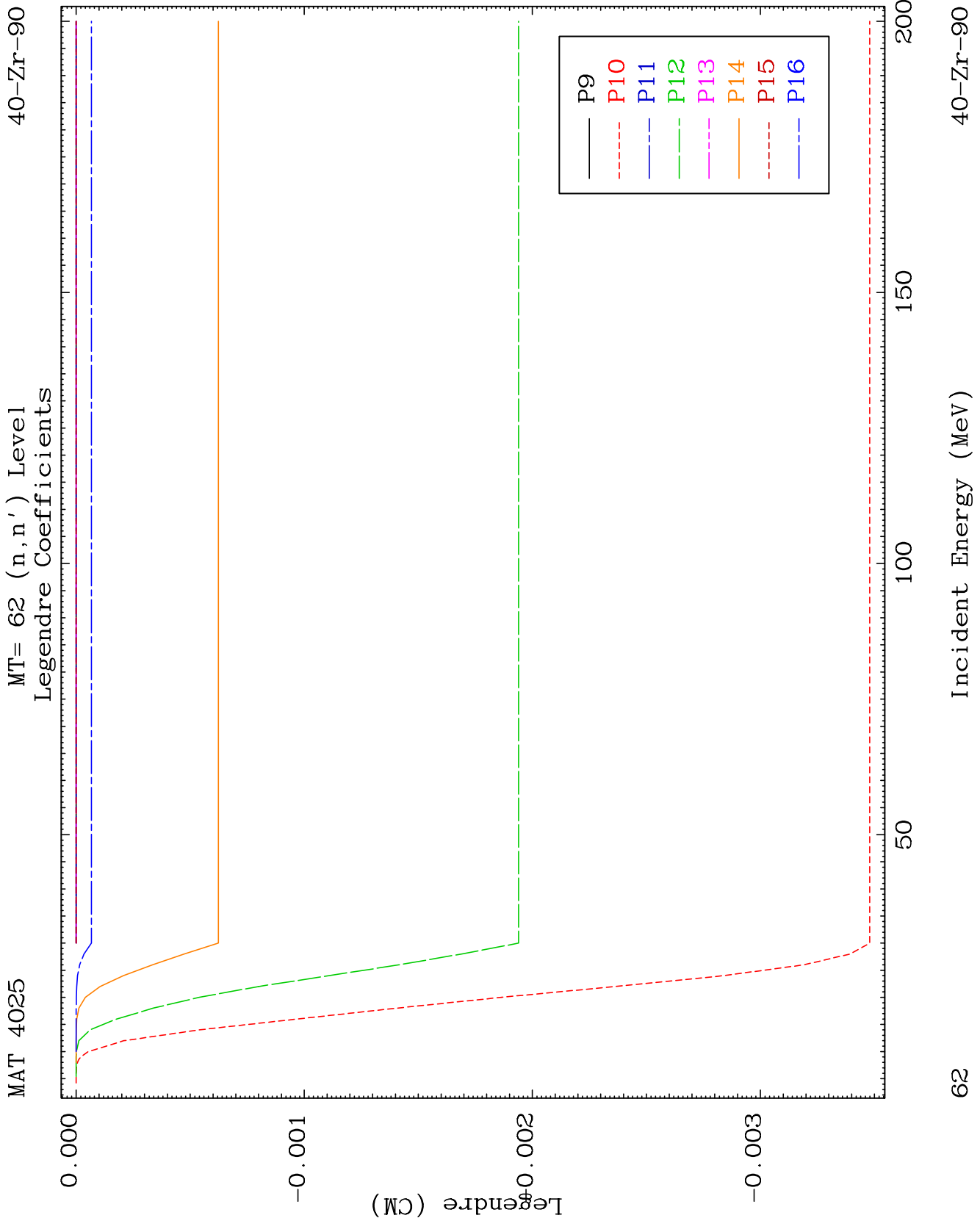


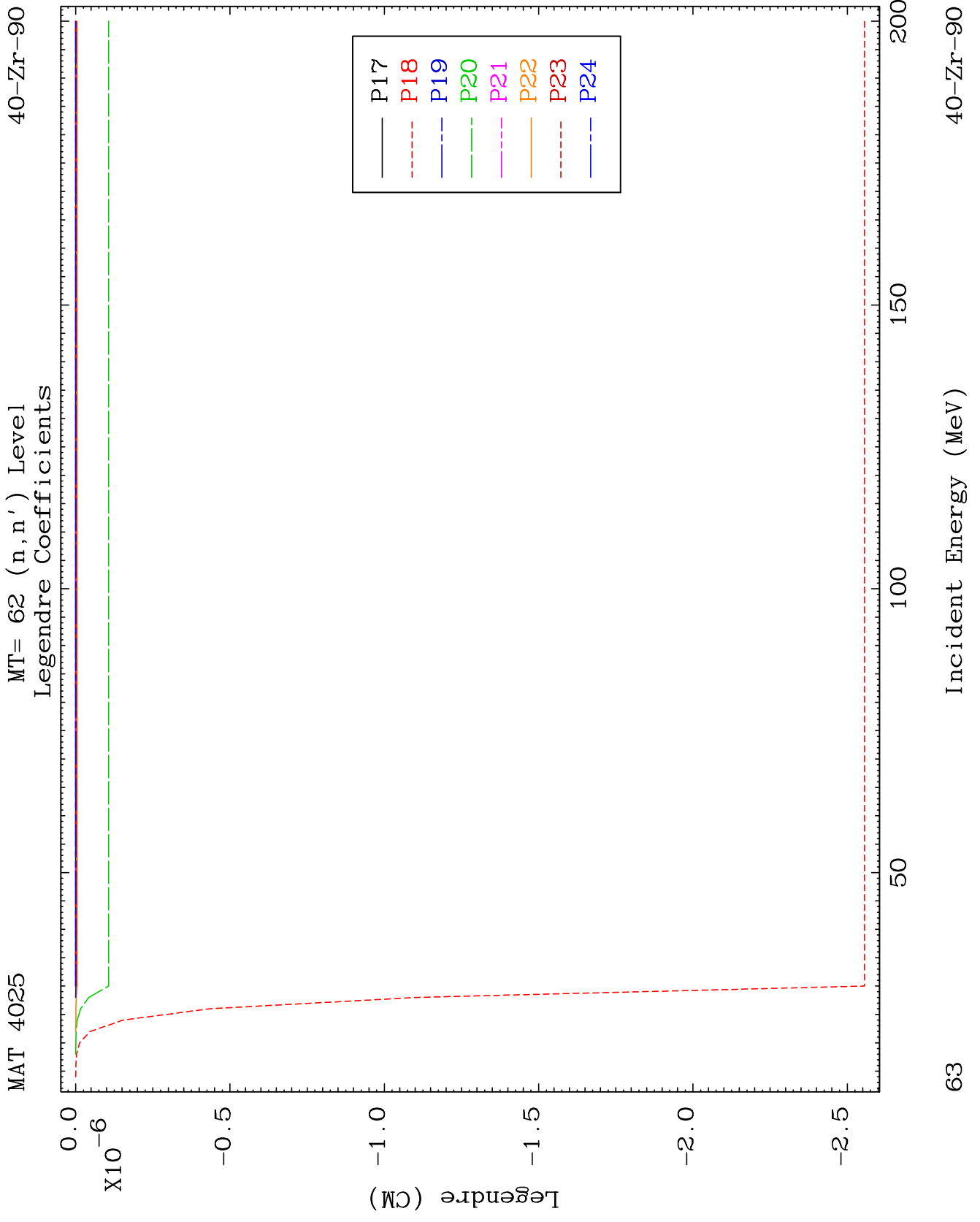


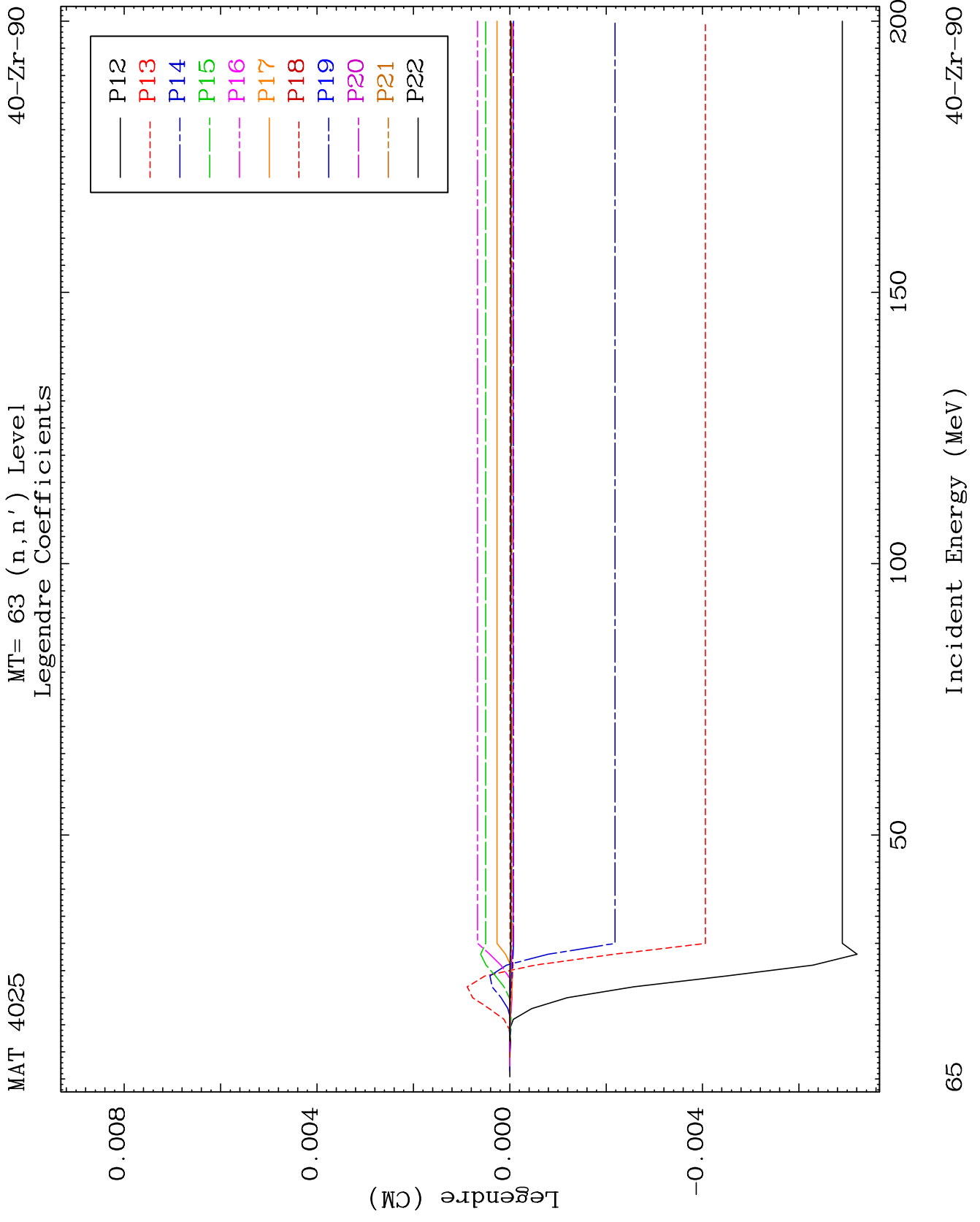


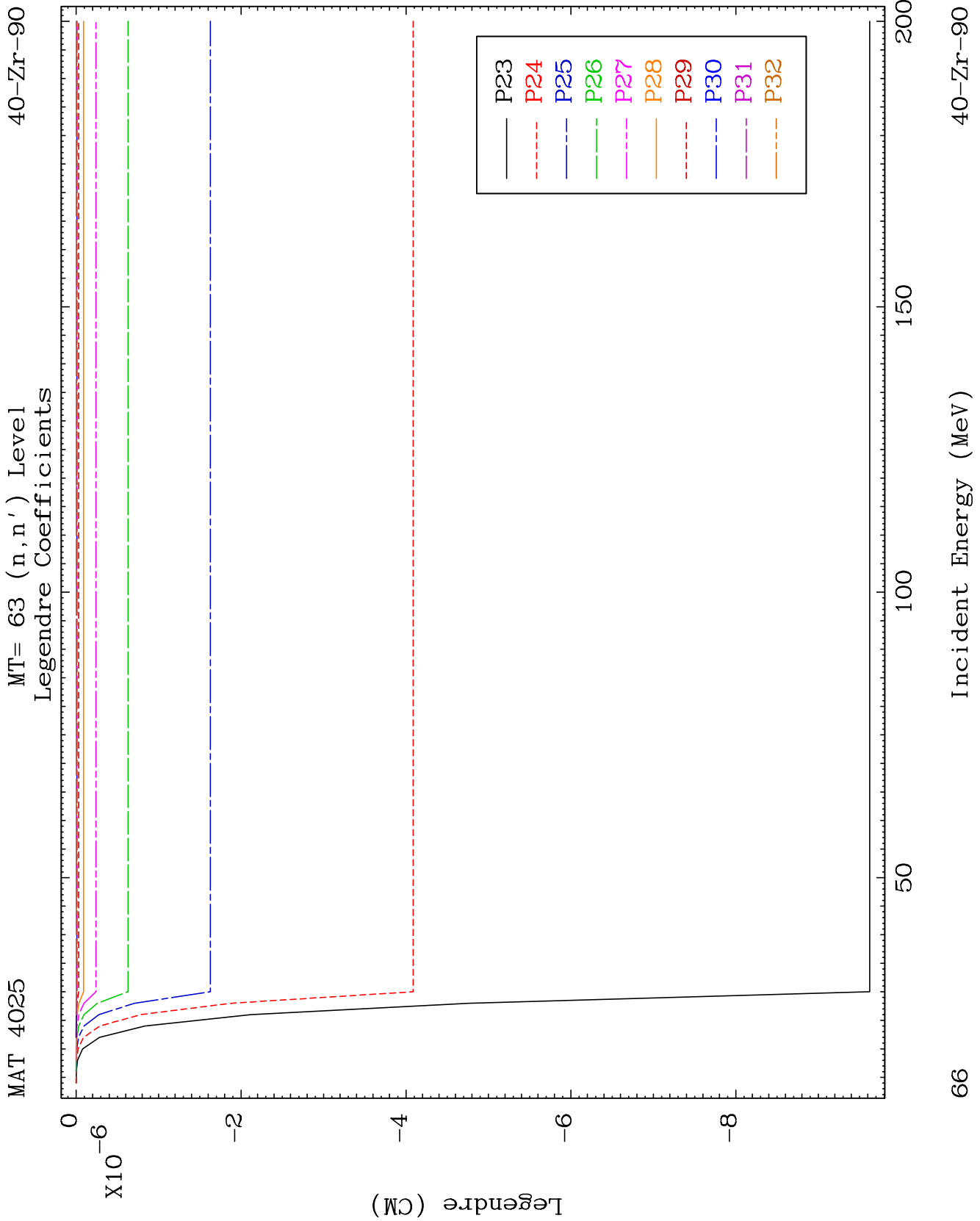








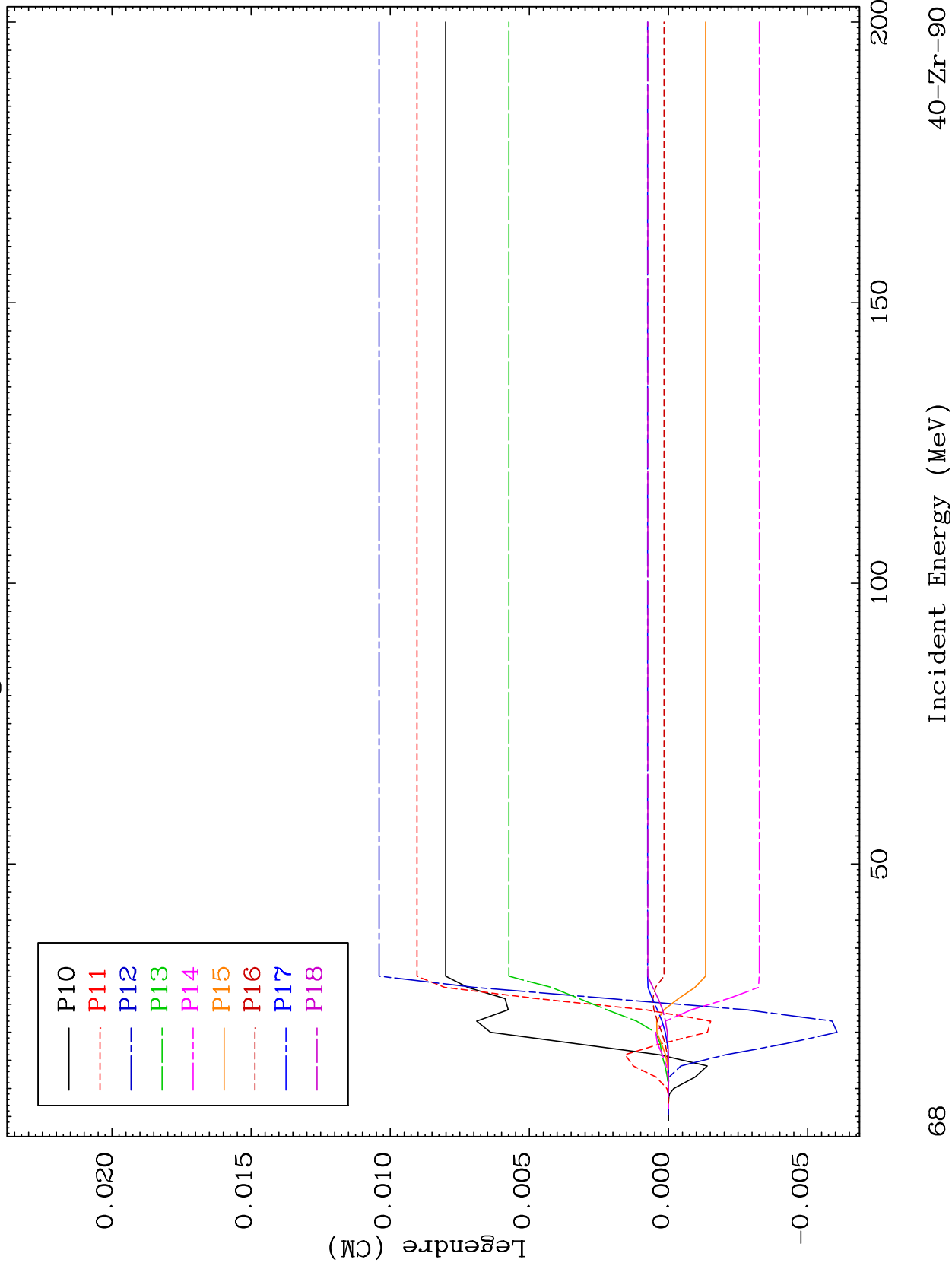




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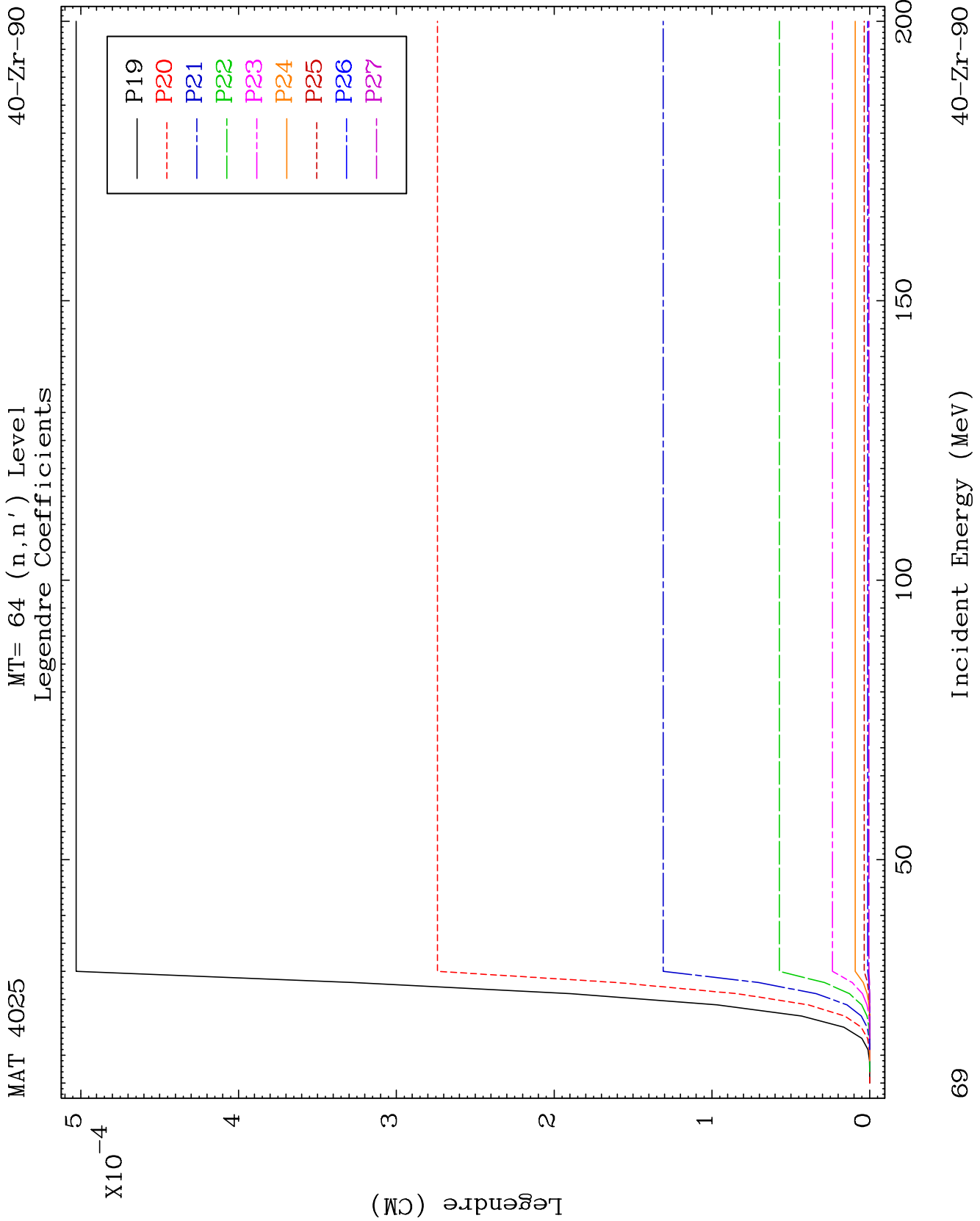
MT= 64 (n,n') Level
Legendre Coefficients

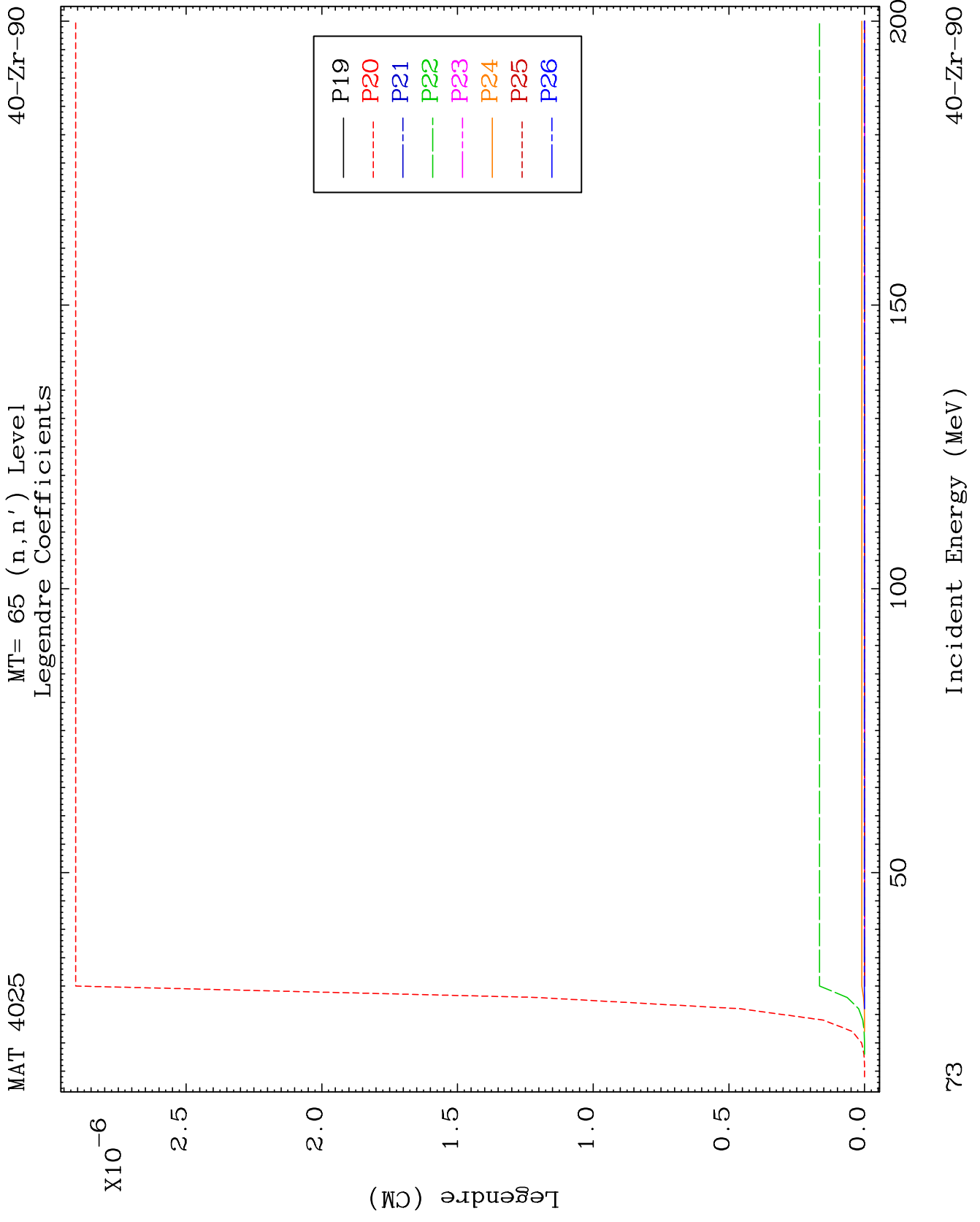
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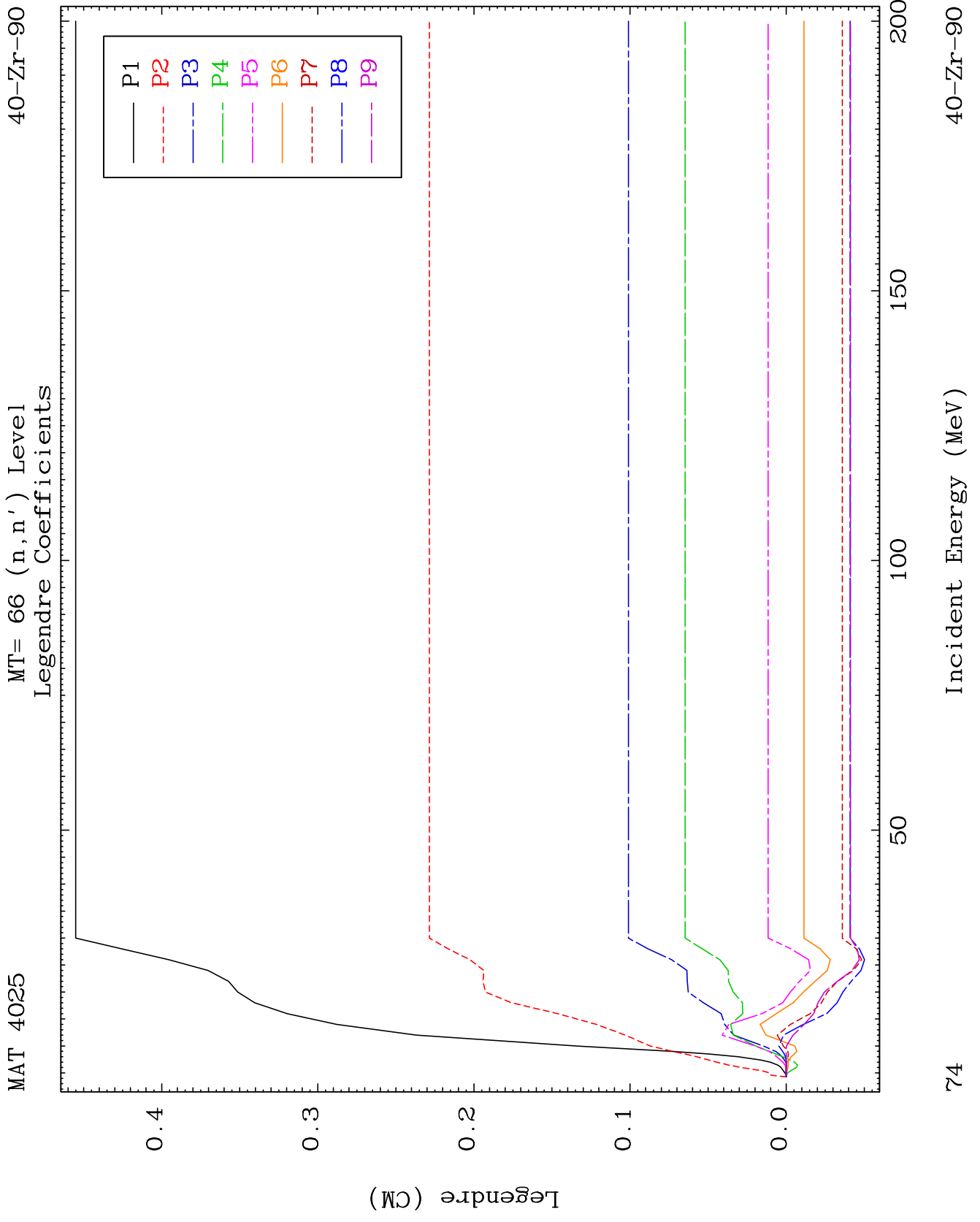


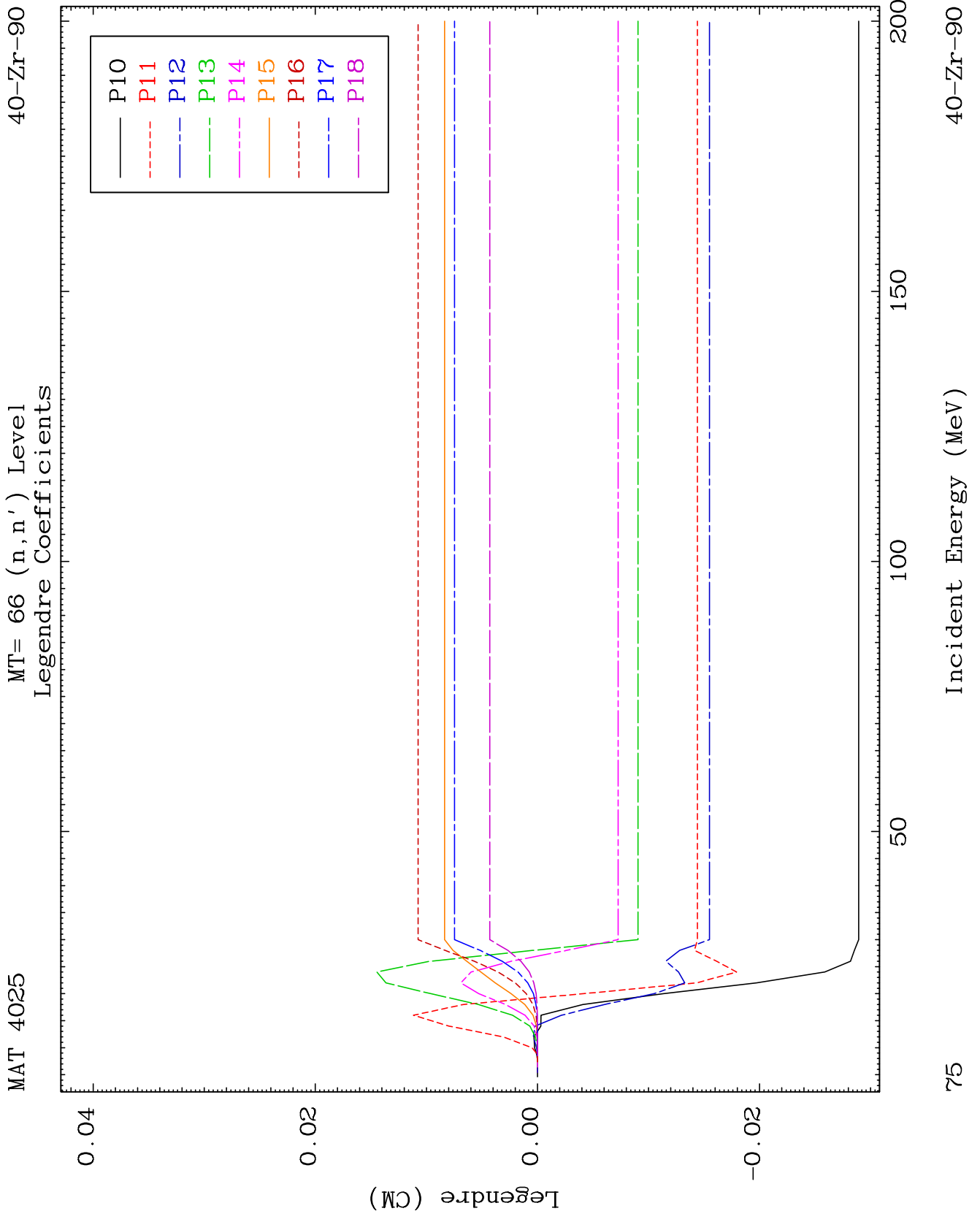
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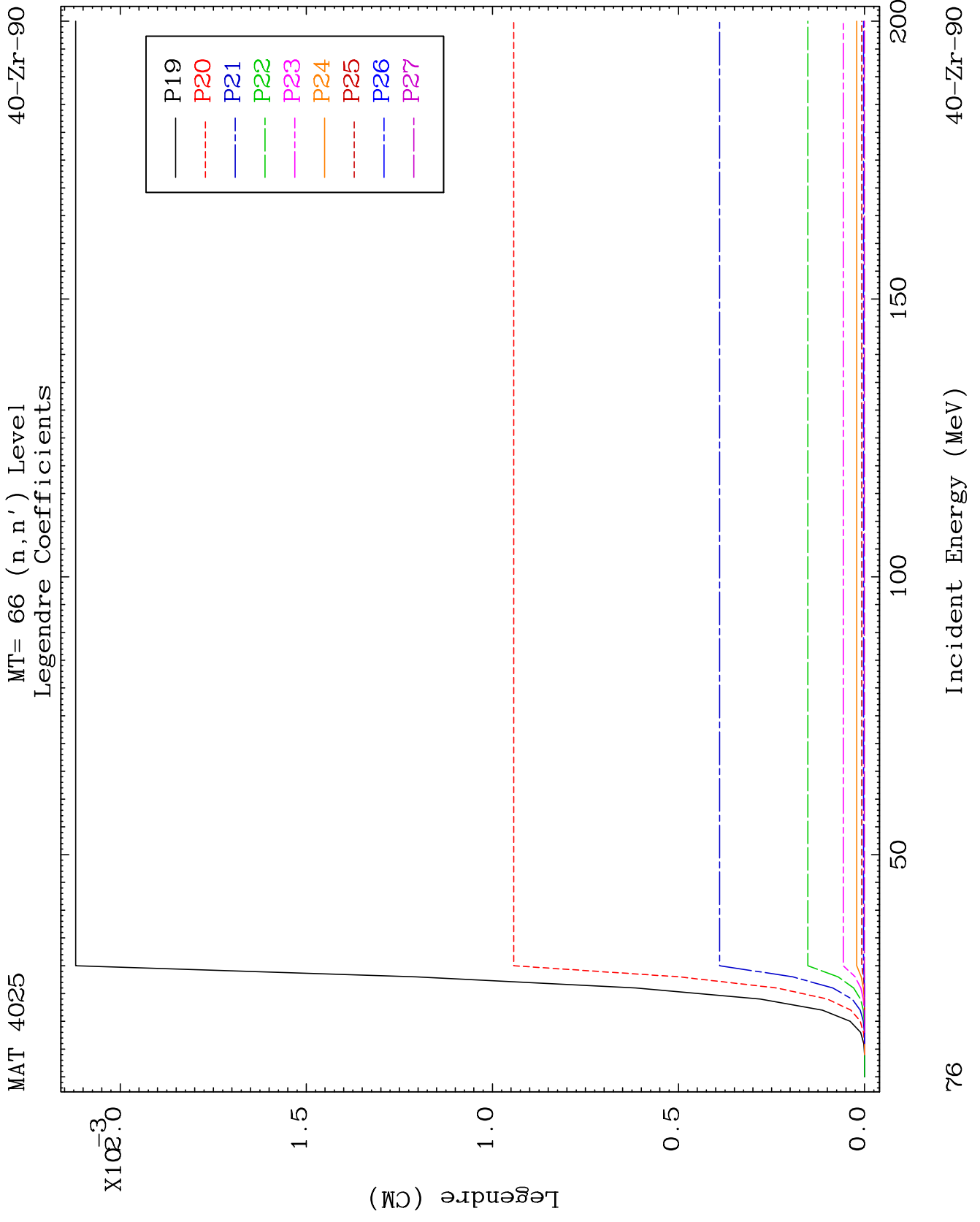
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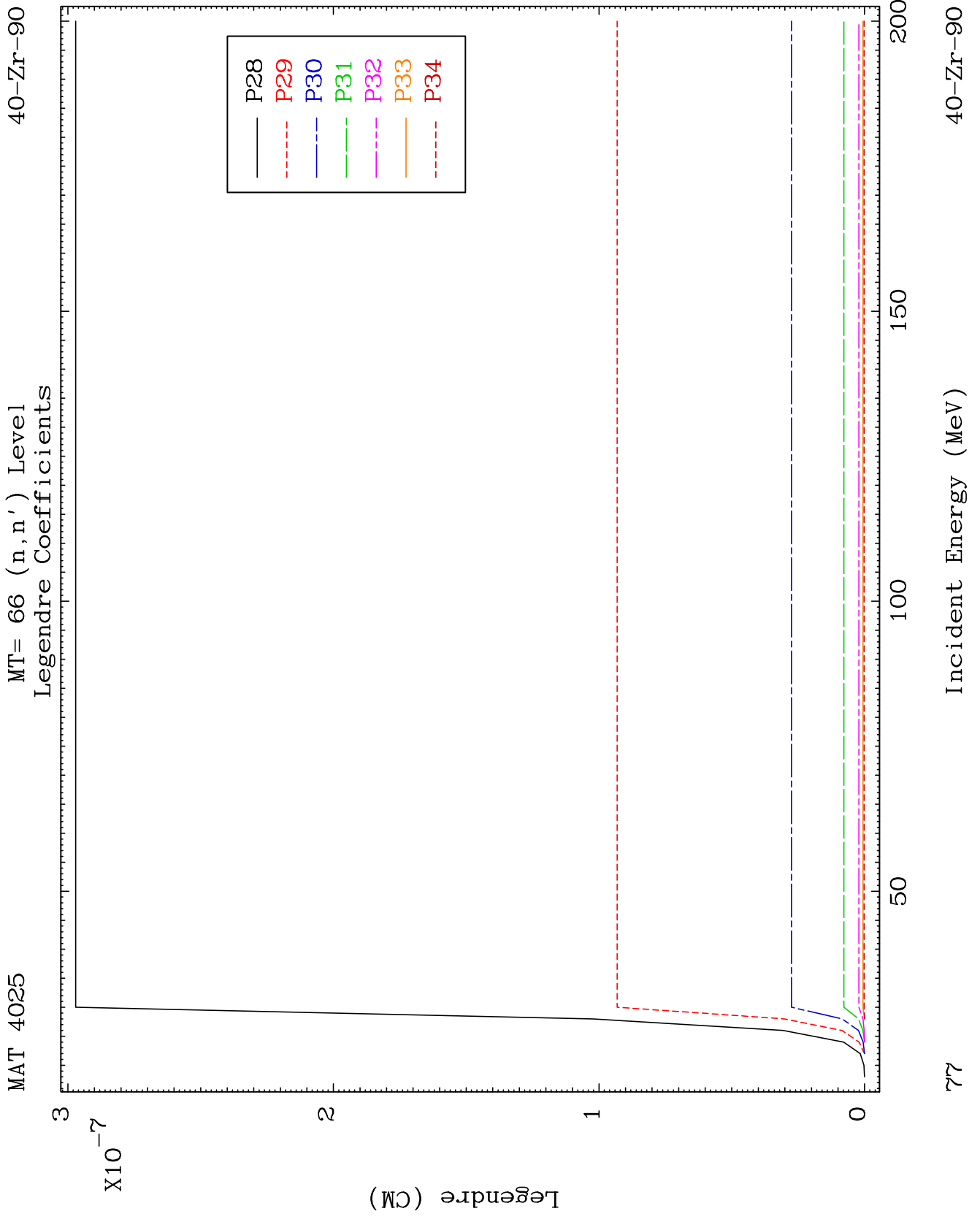


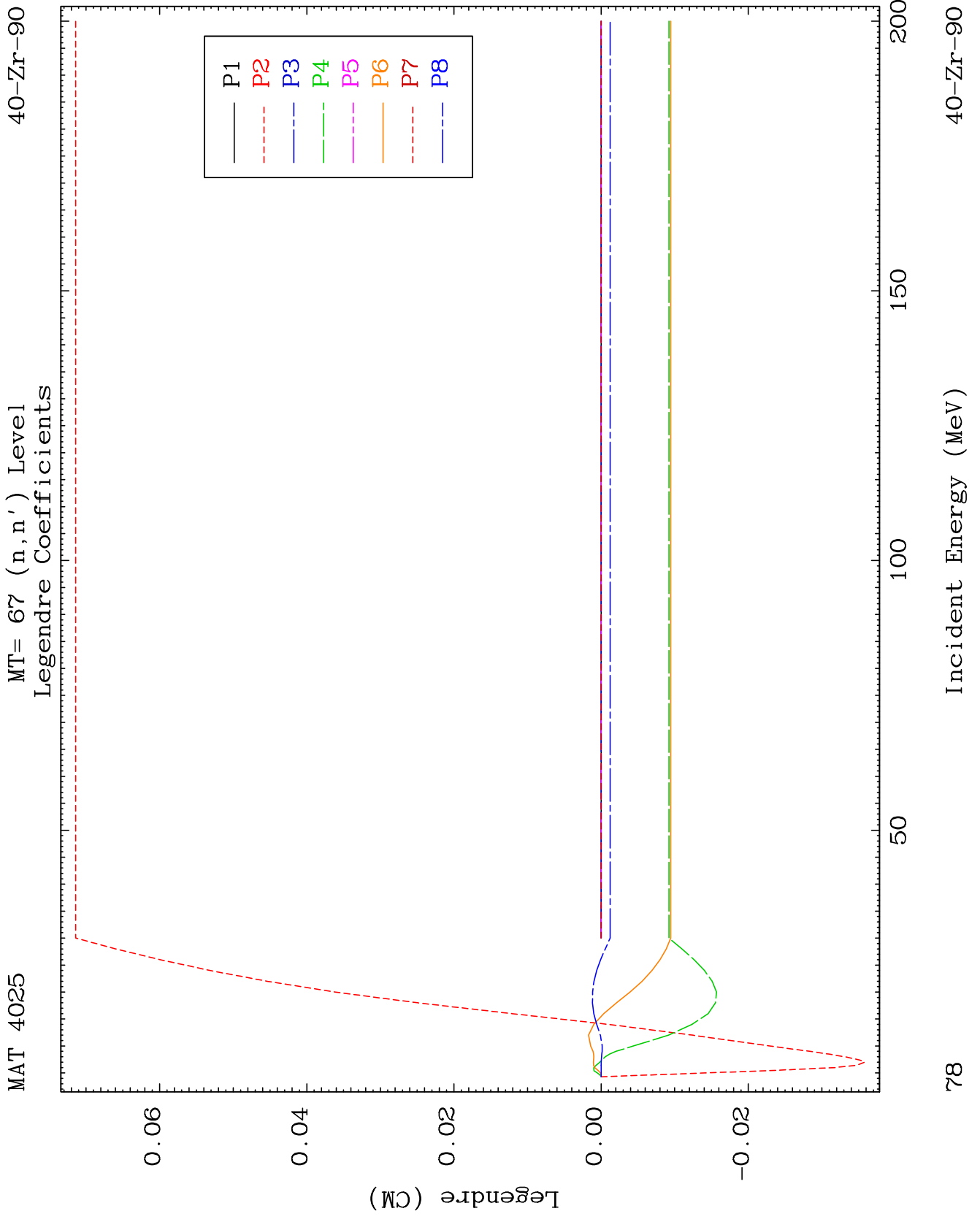


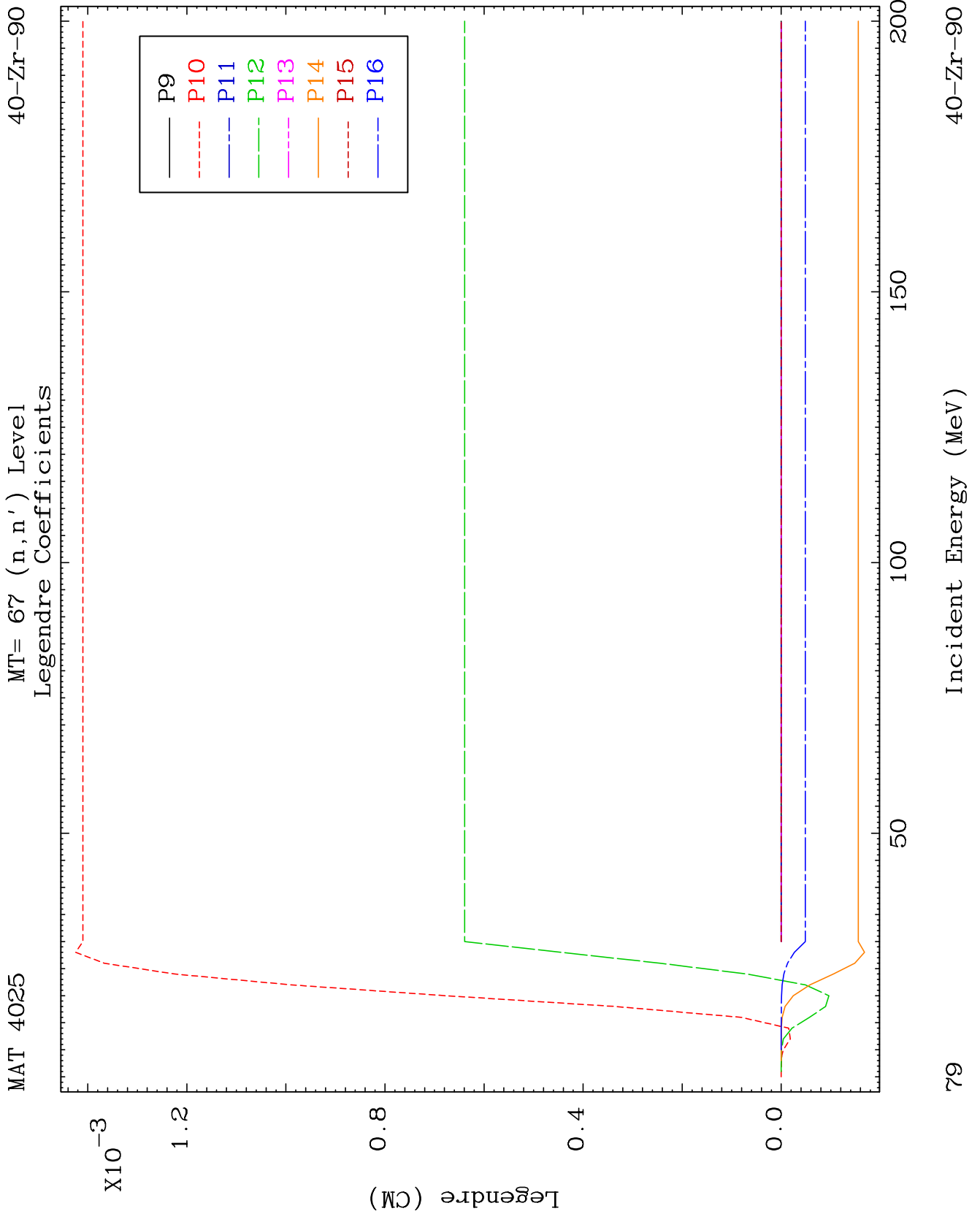


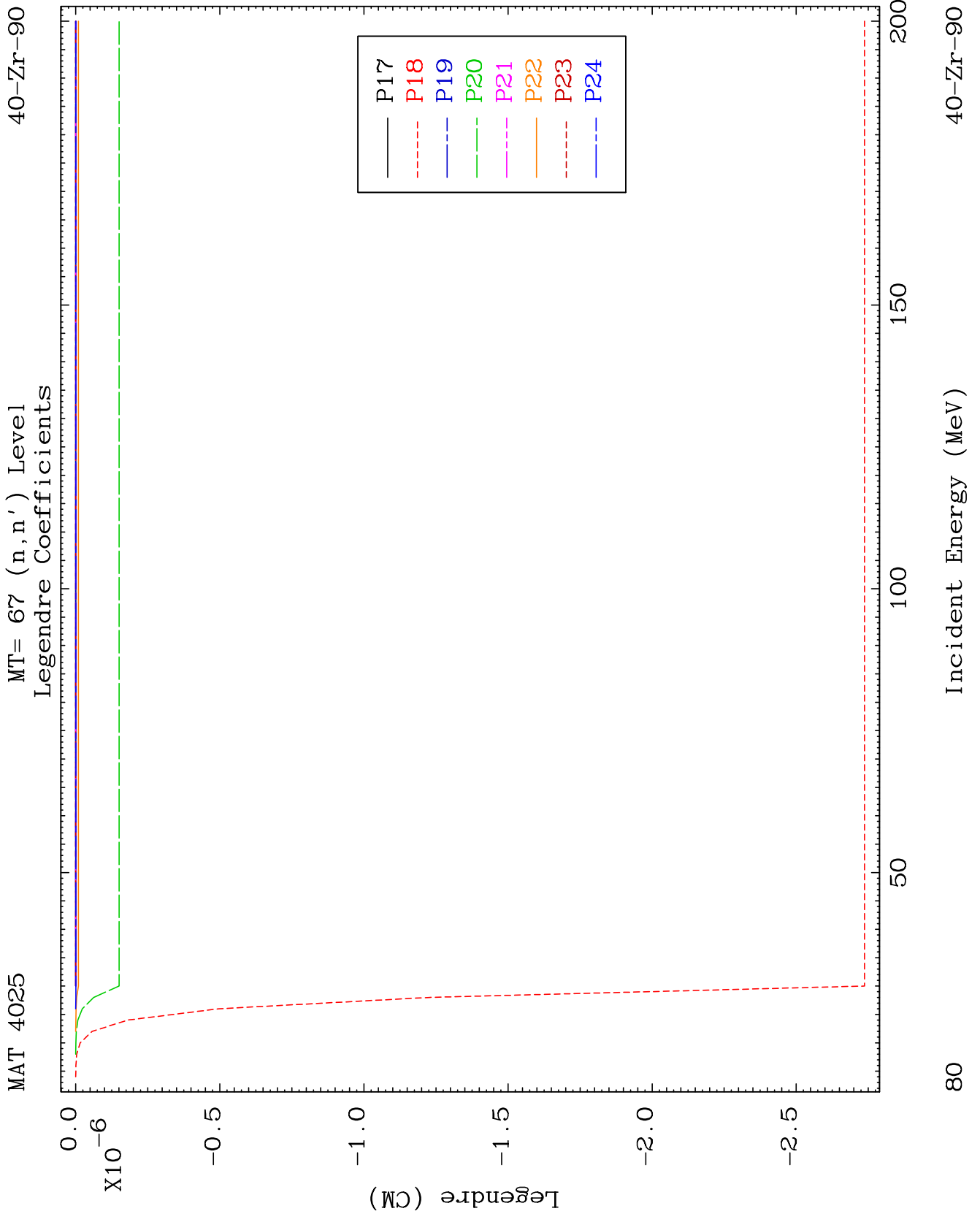


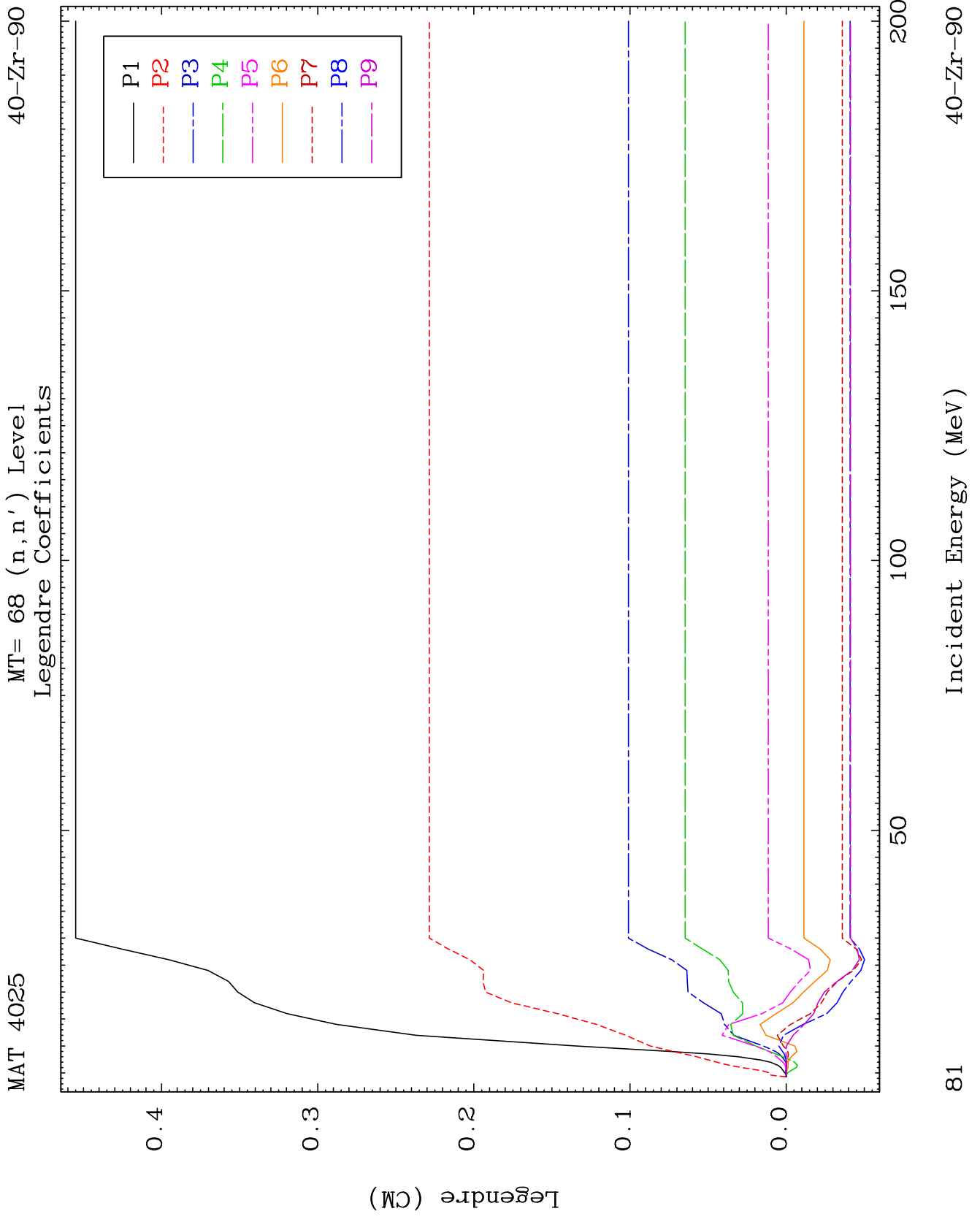


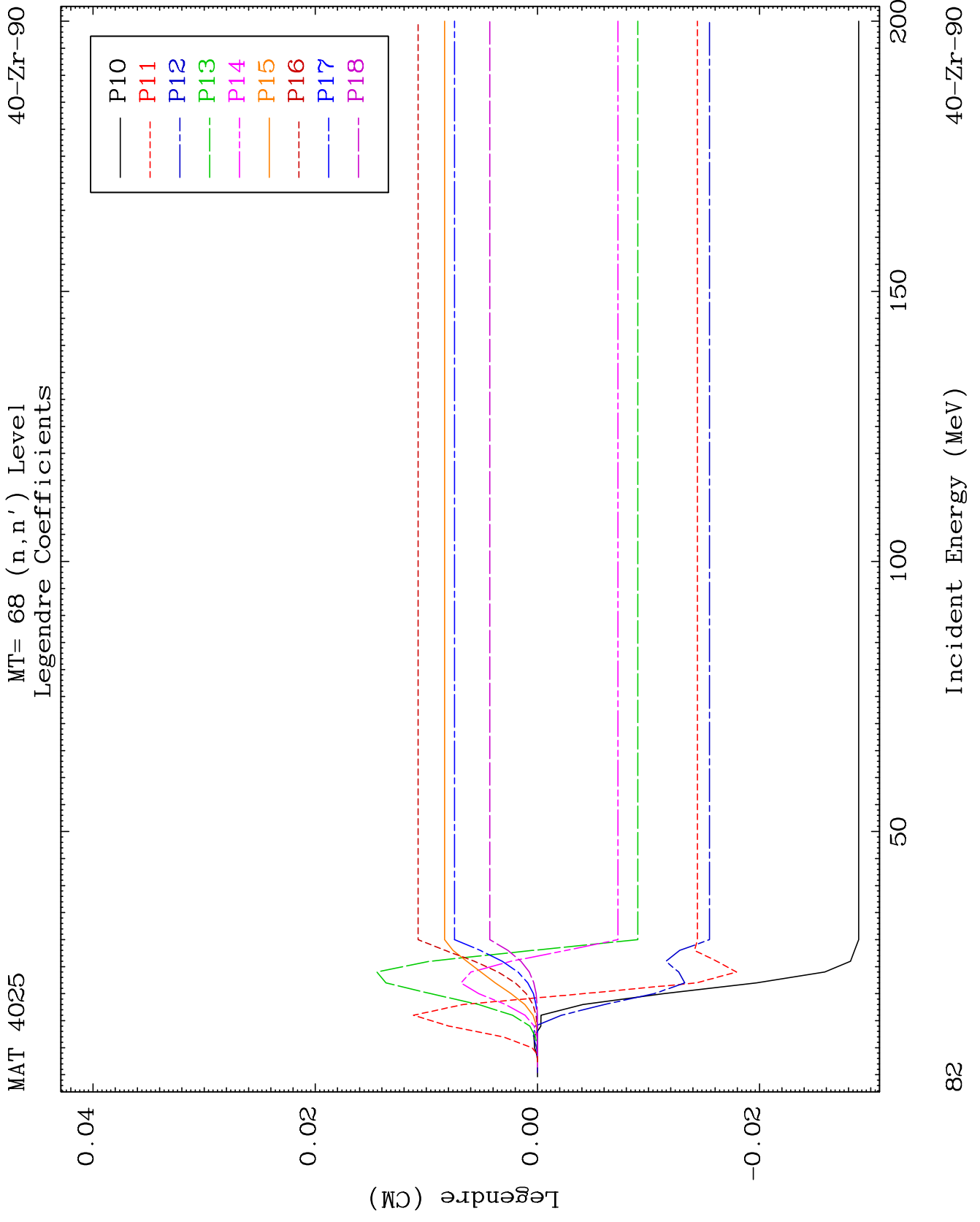


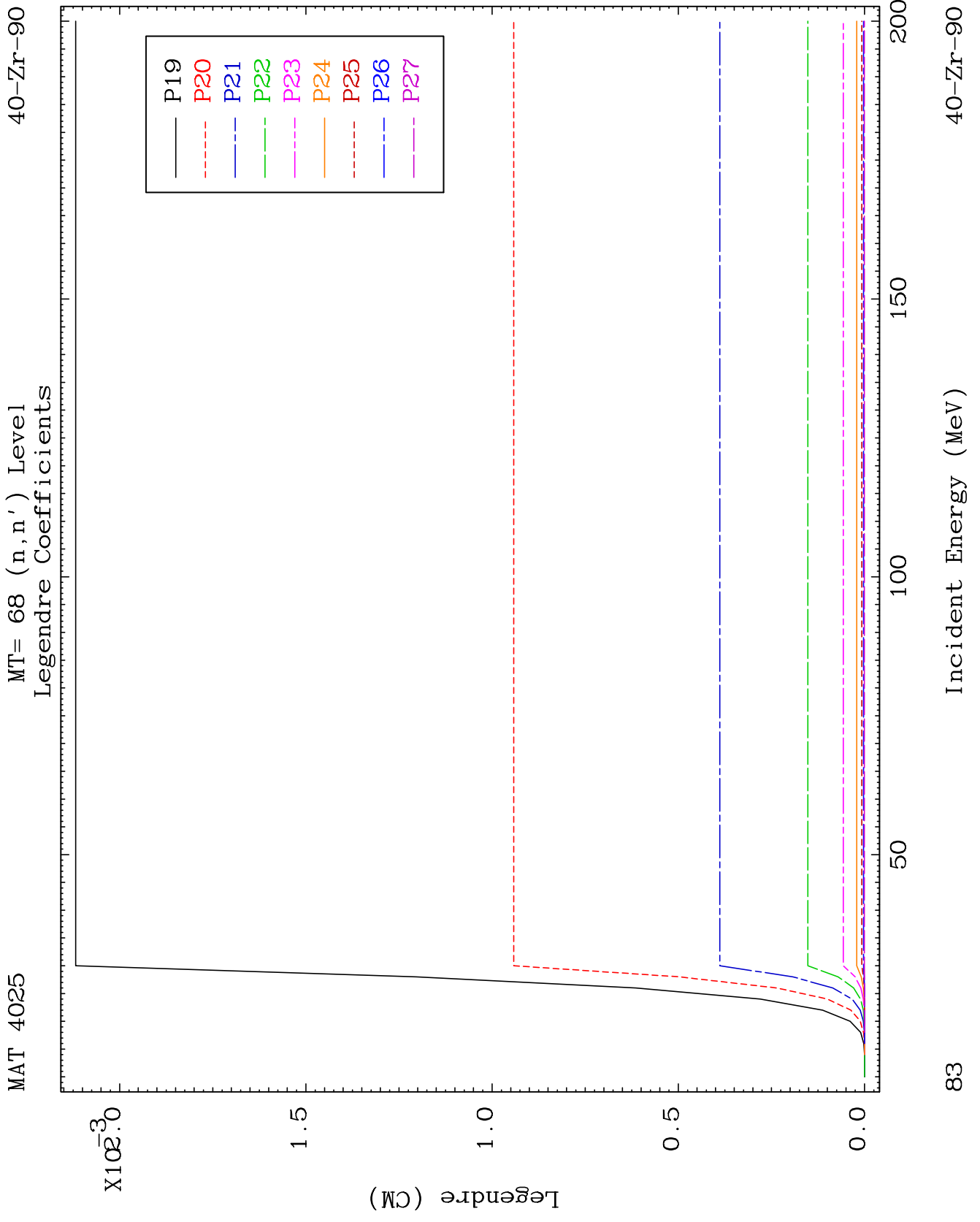


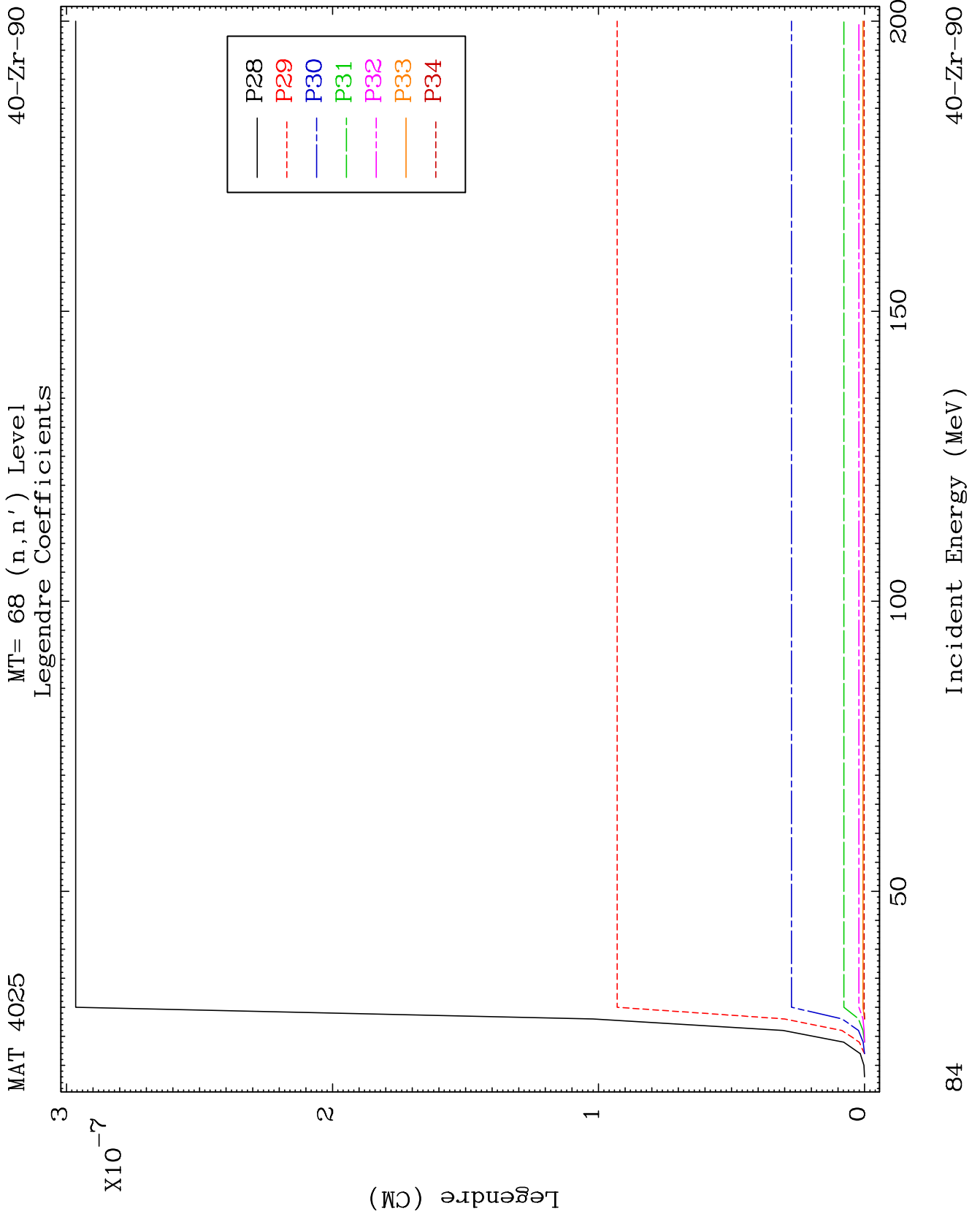


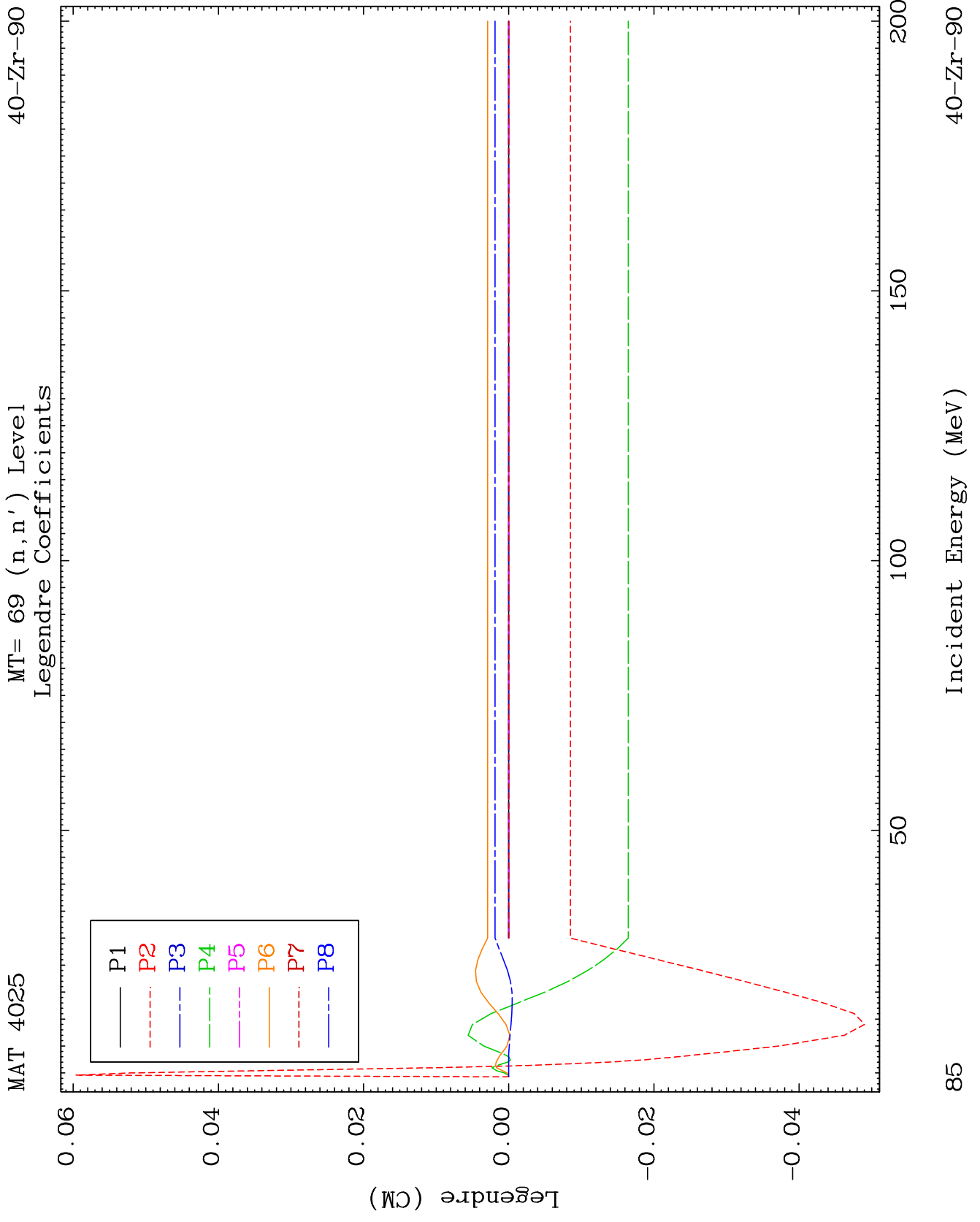








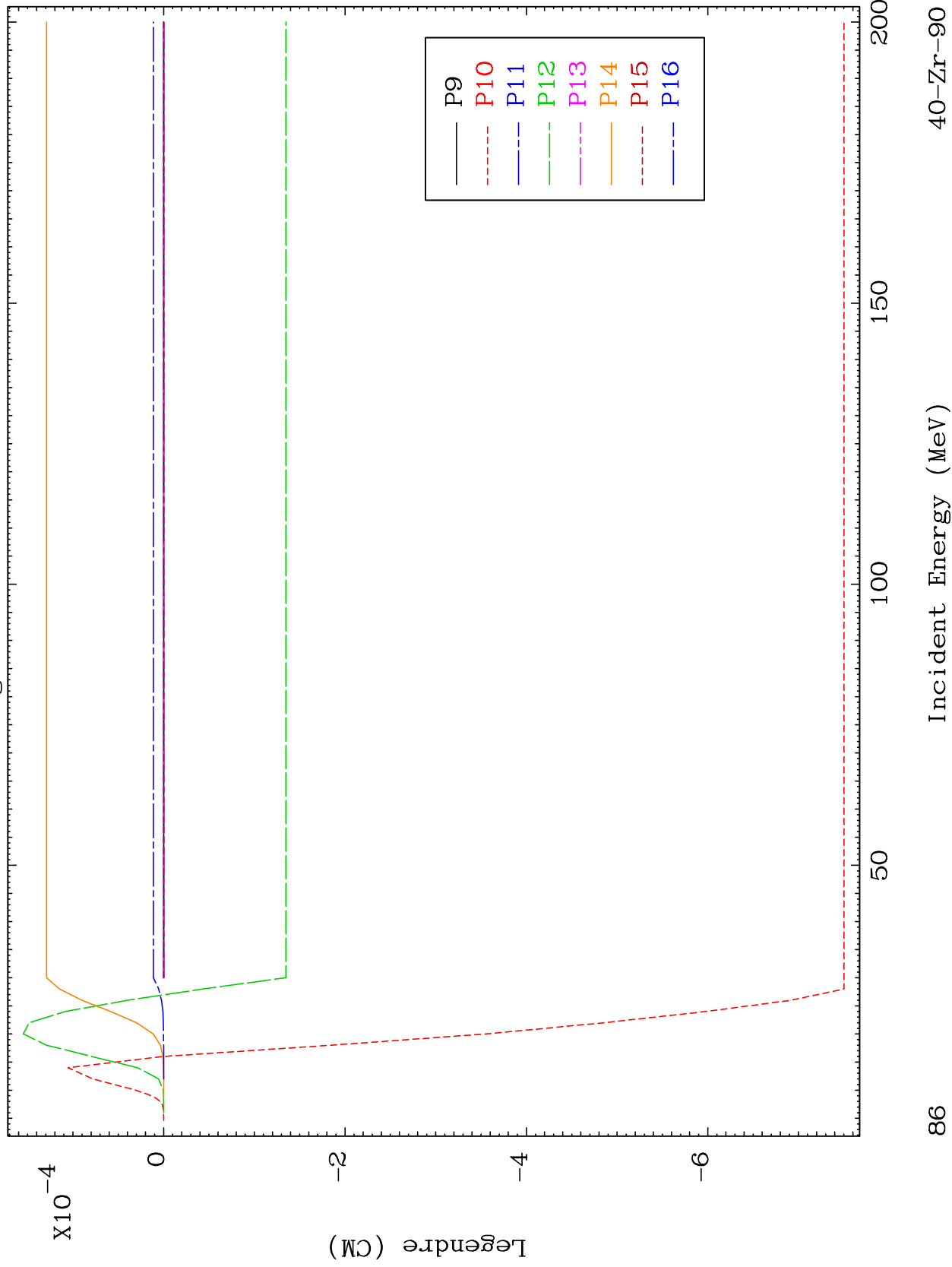




MAT 4025

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

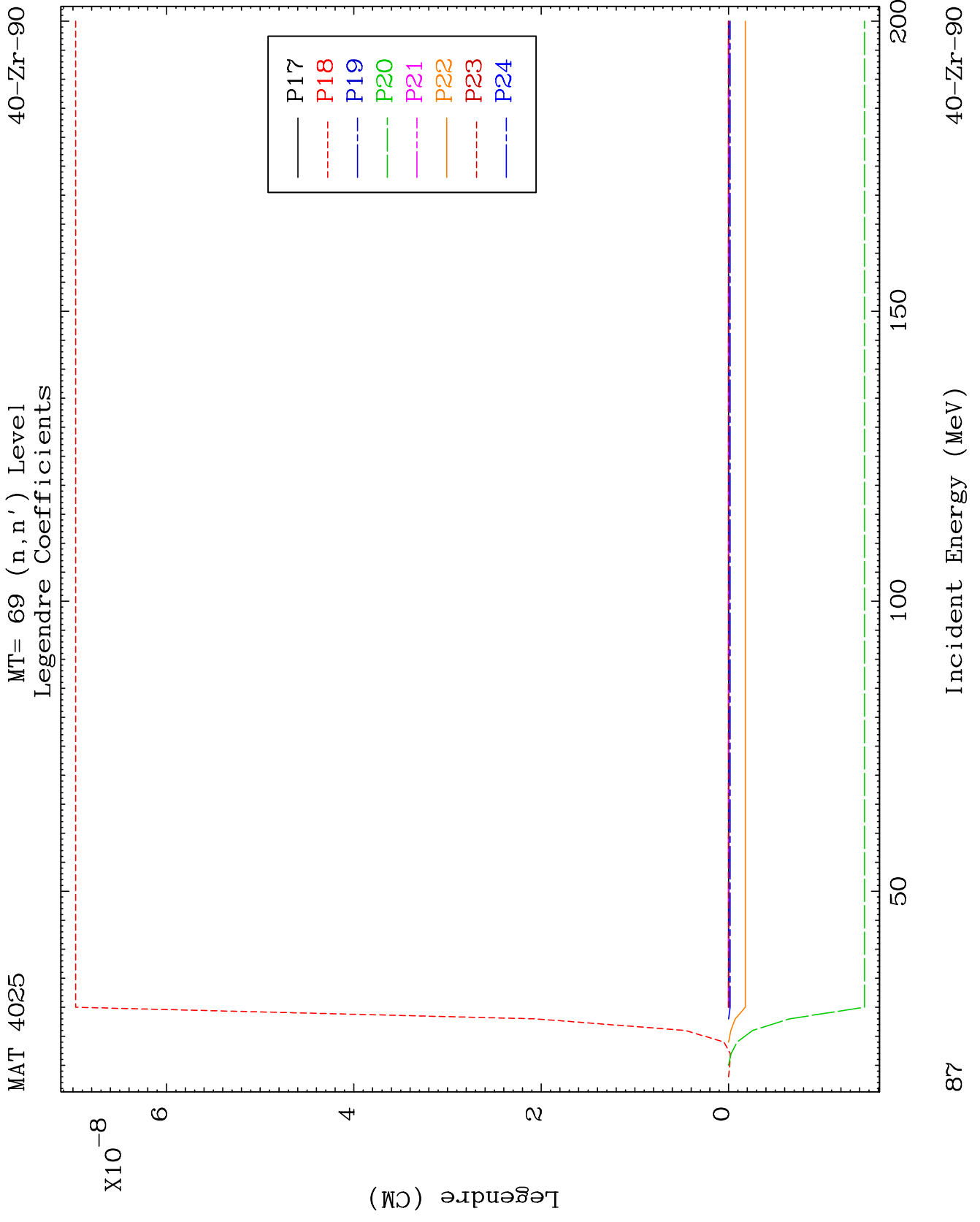
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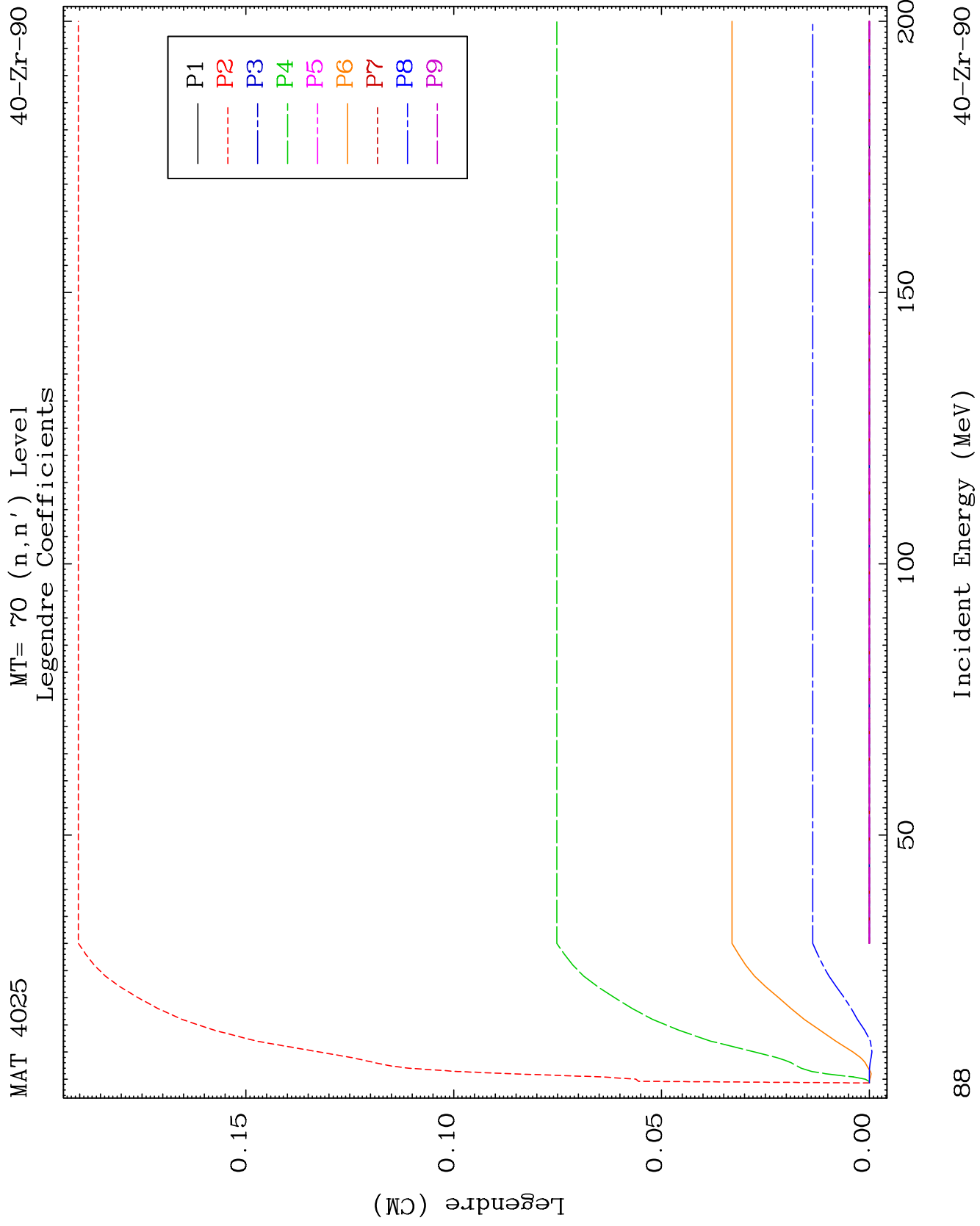


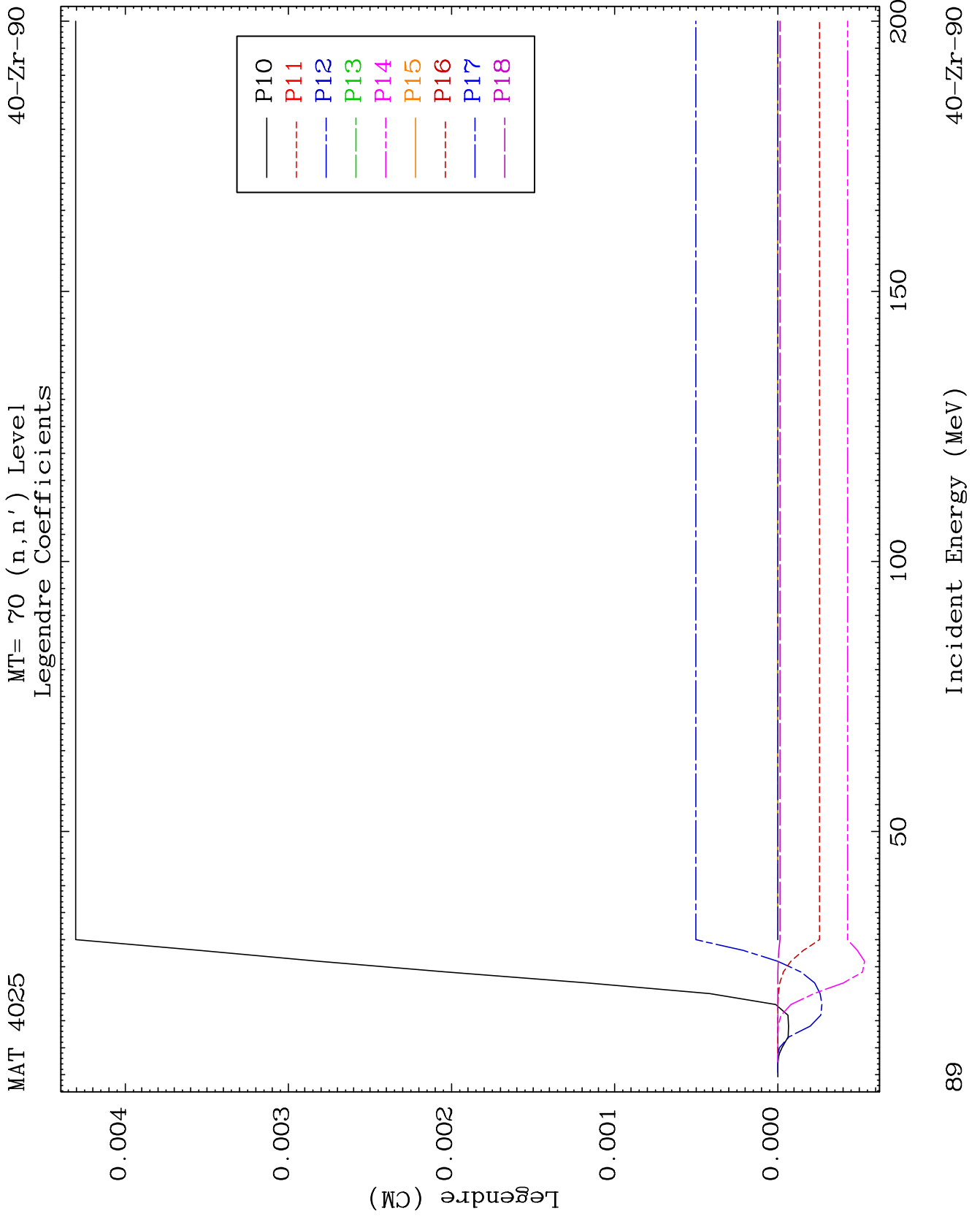
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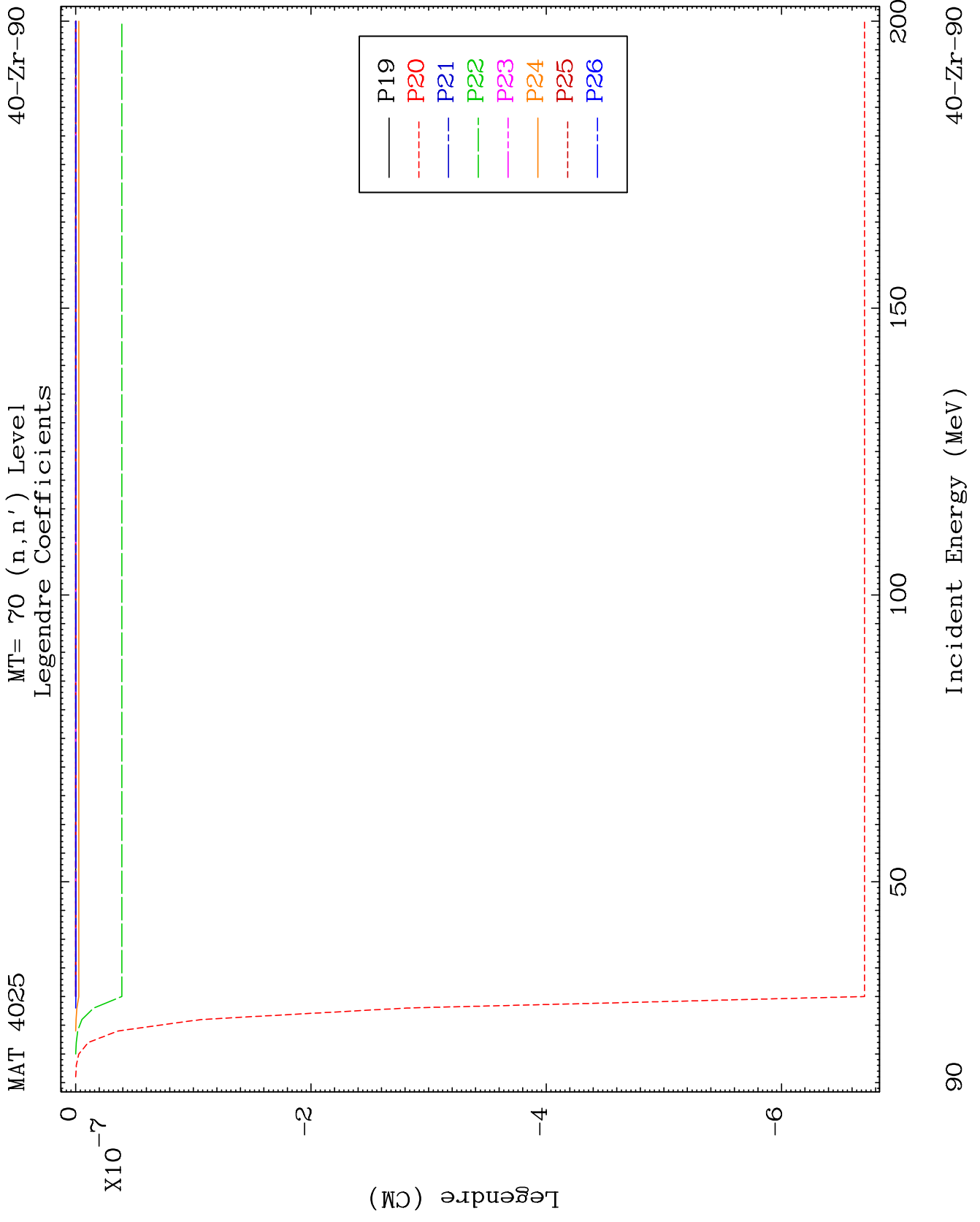
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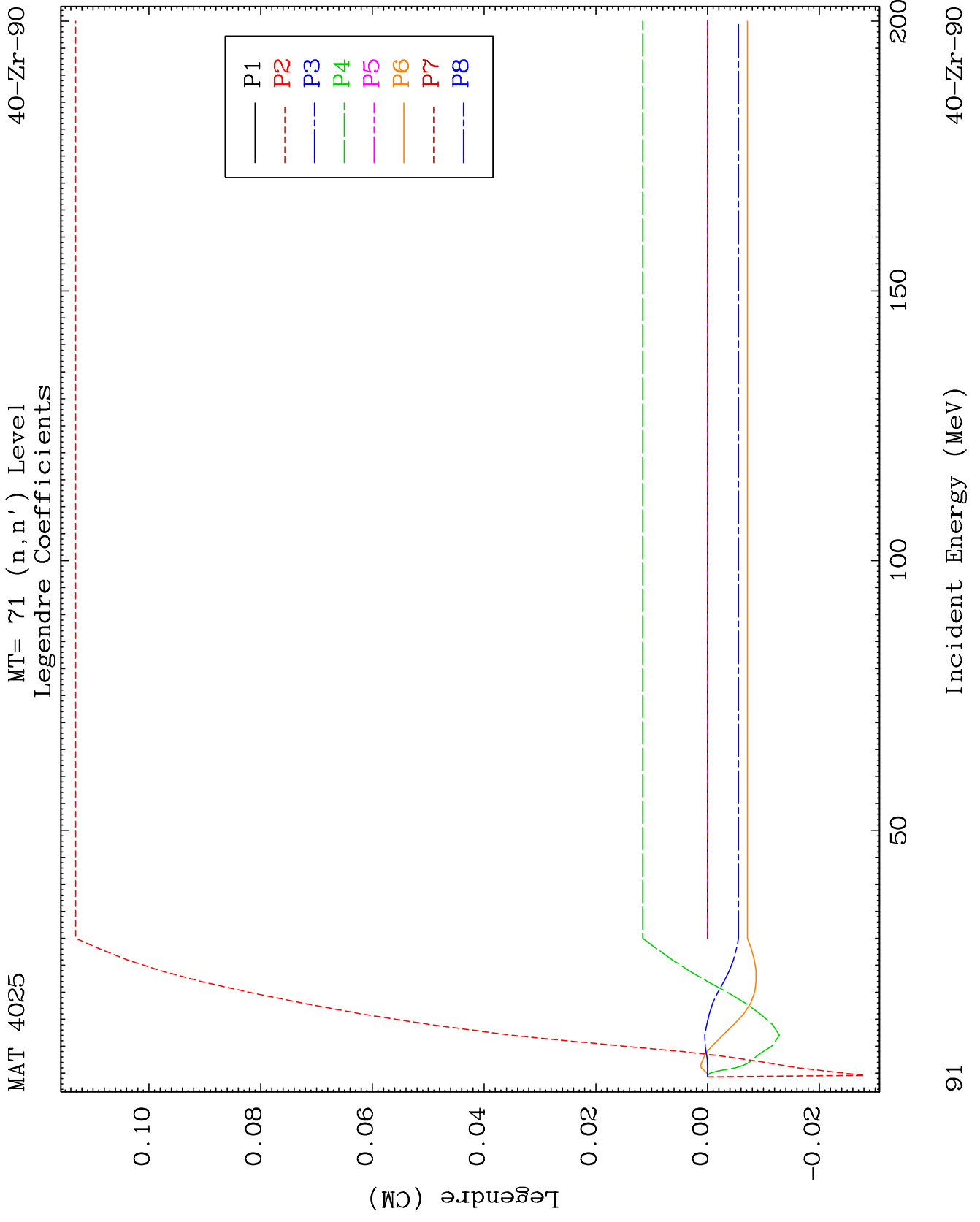
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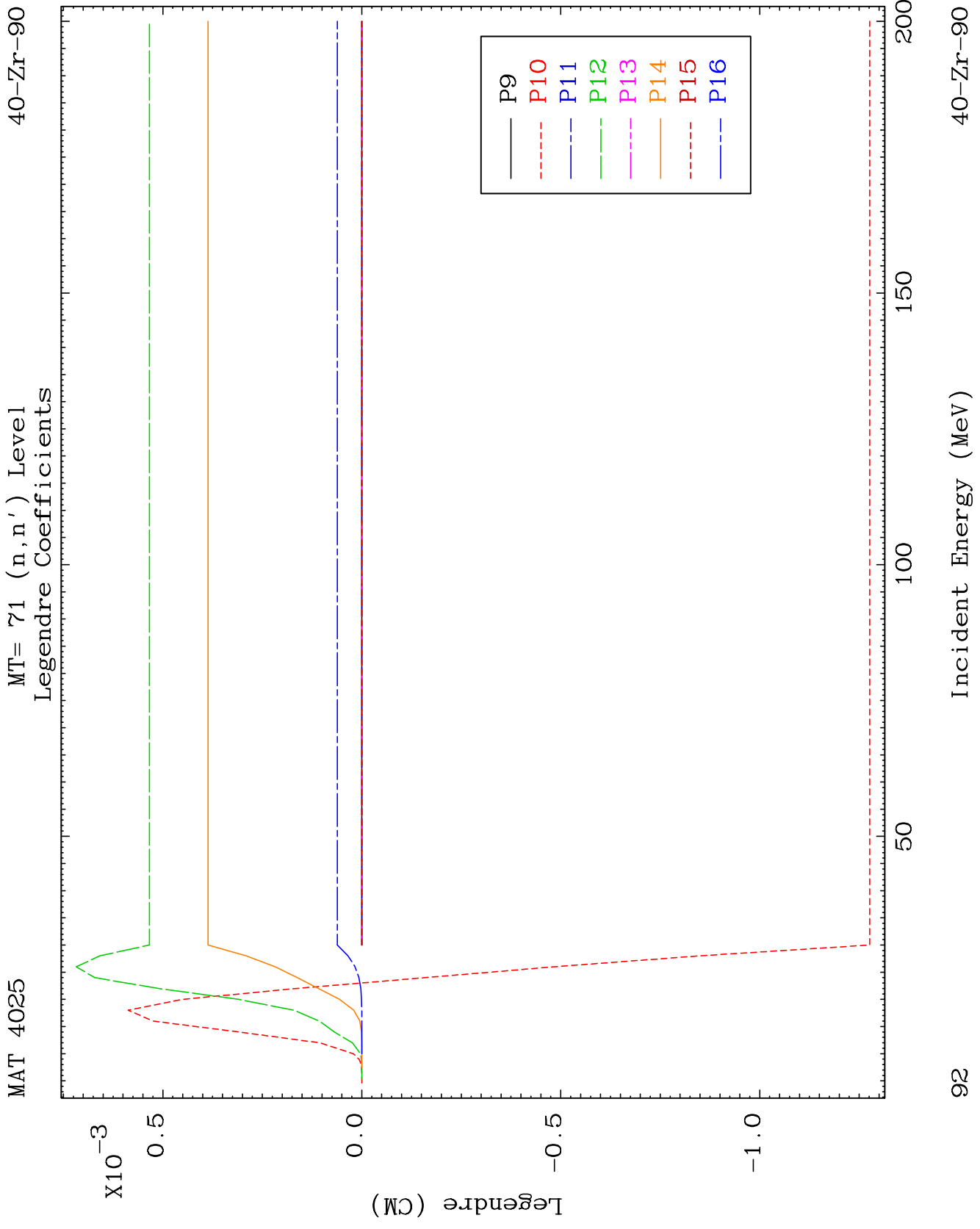


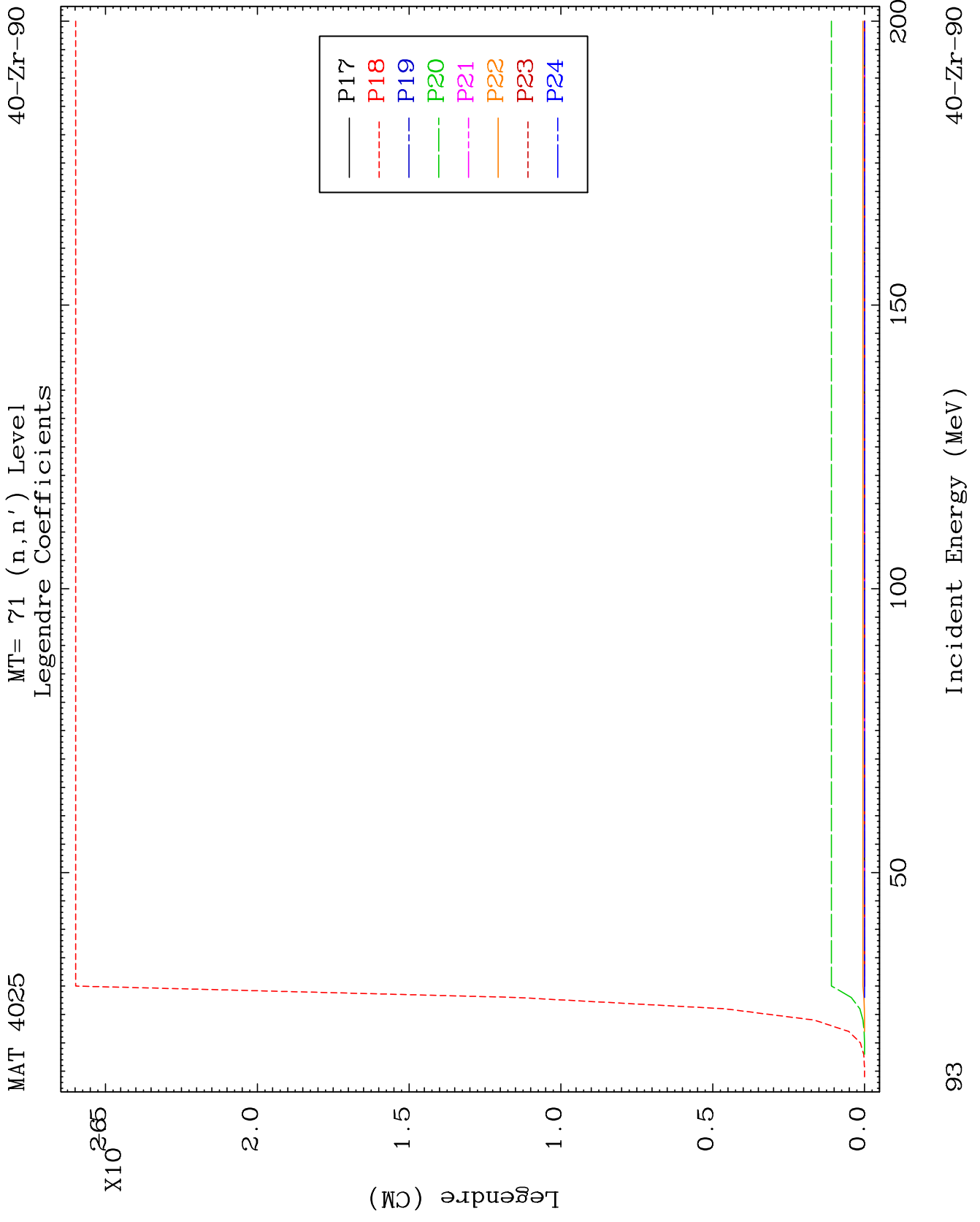


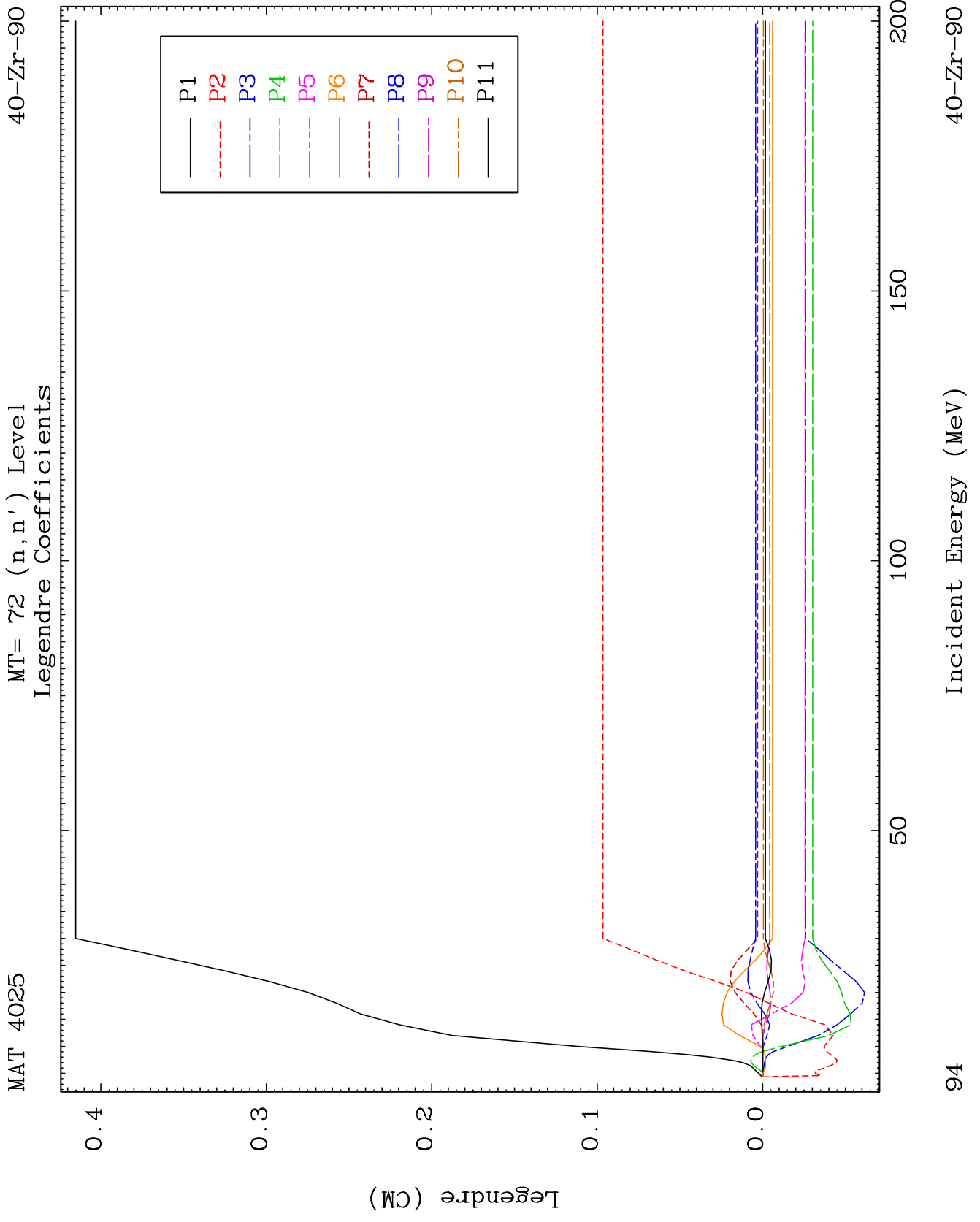


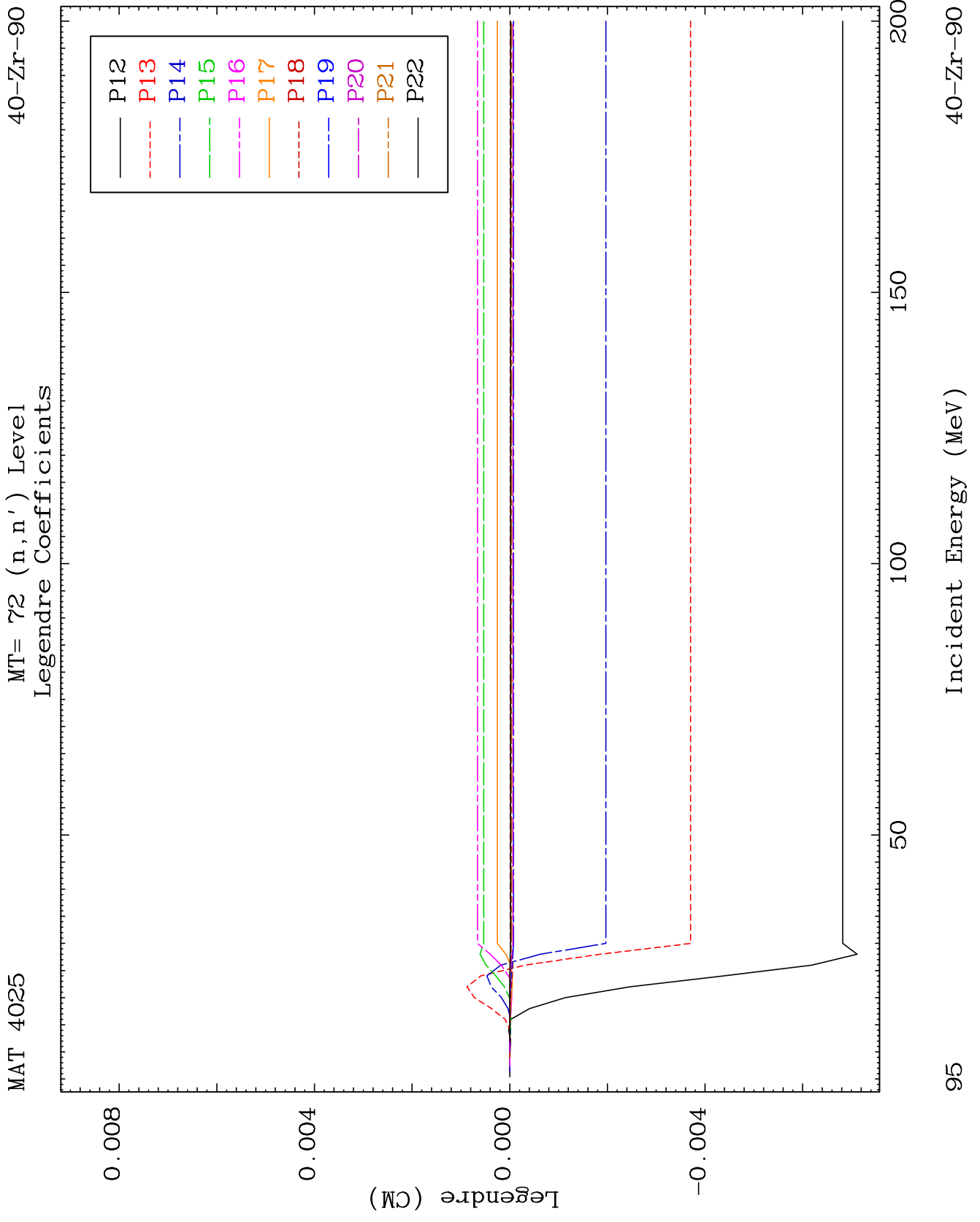


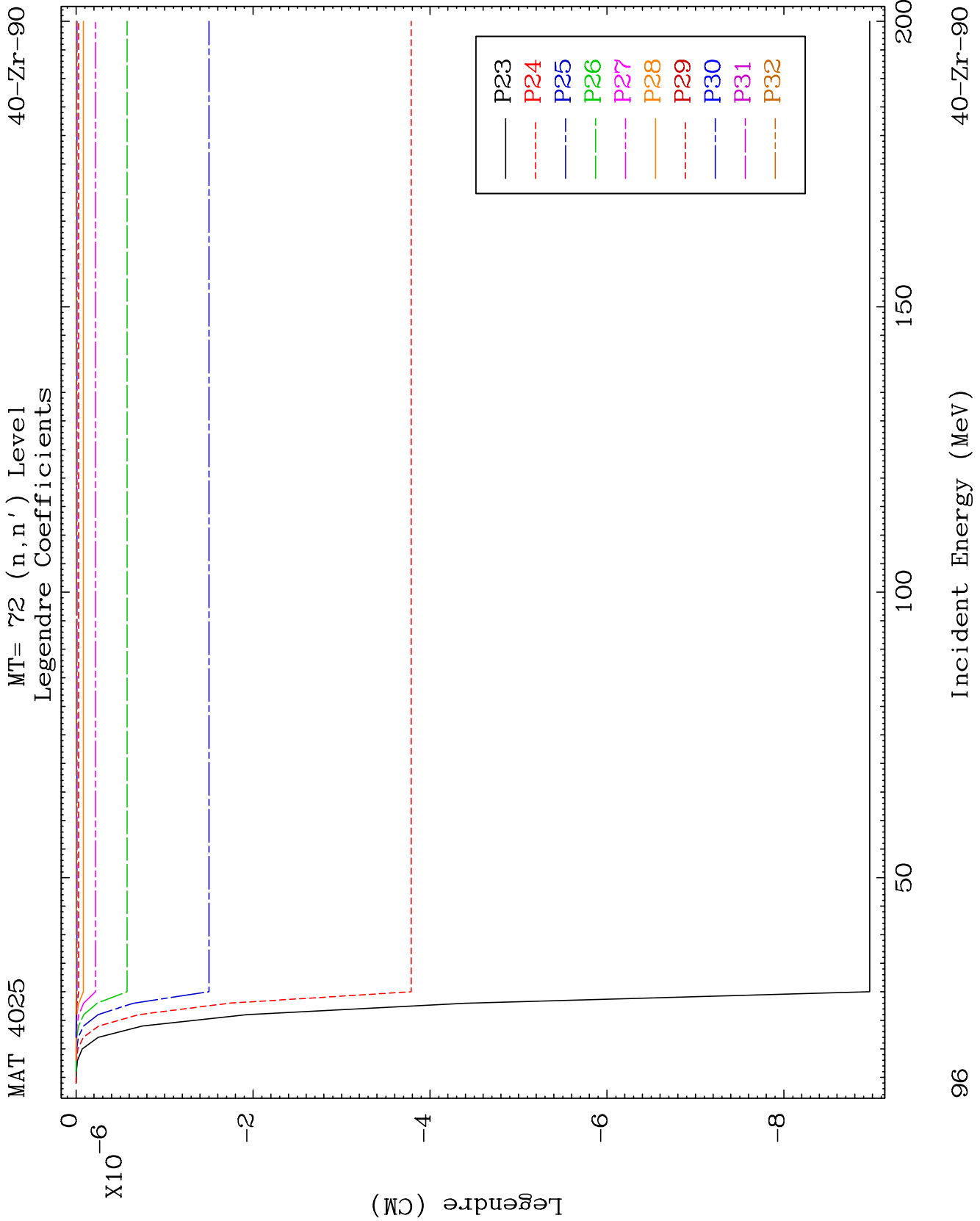


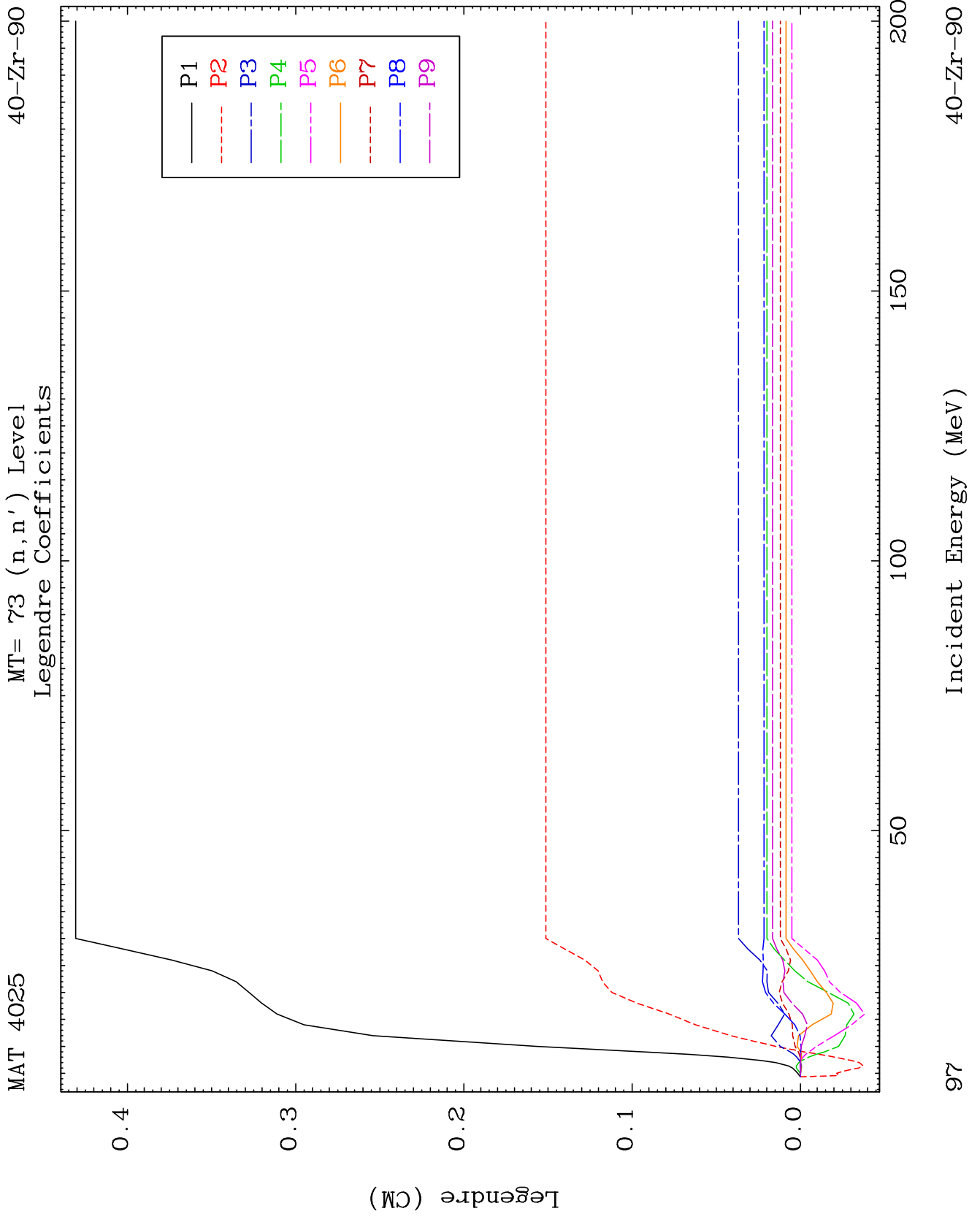








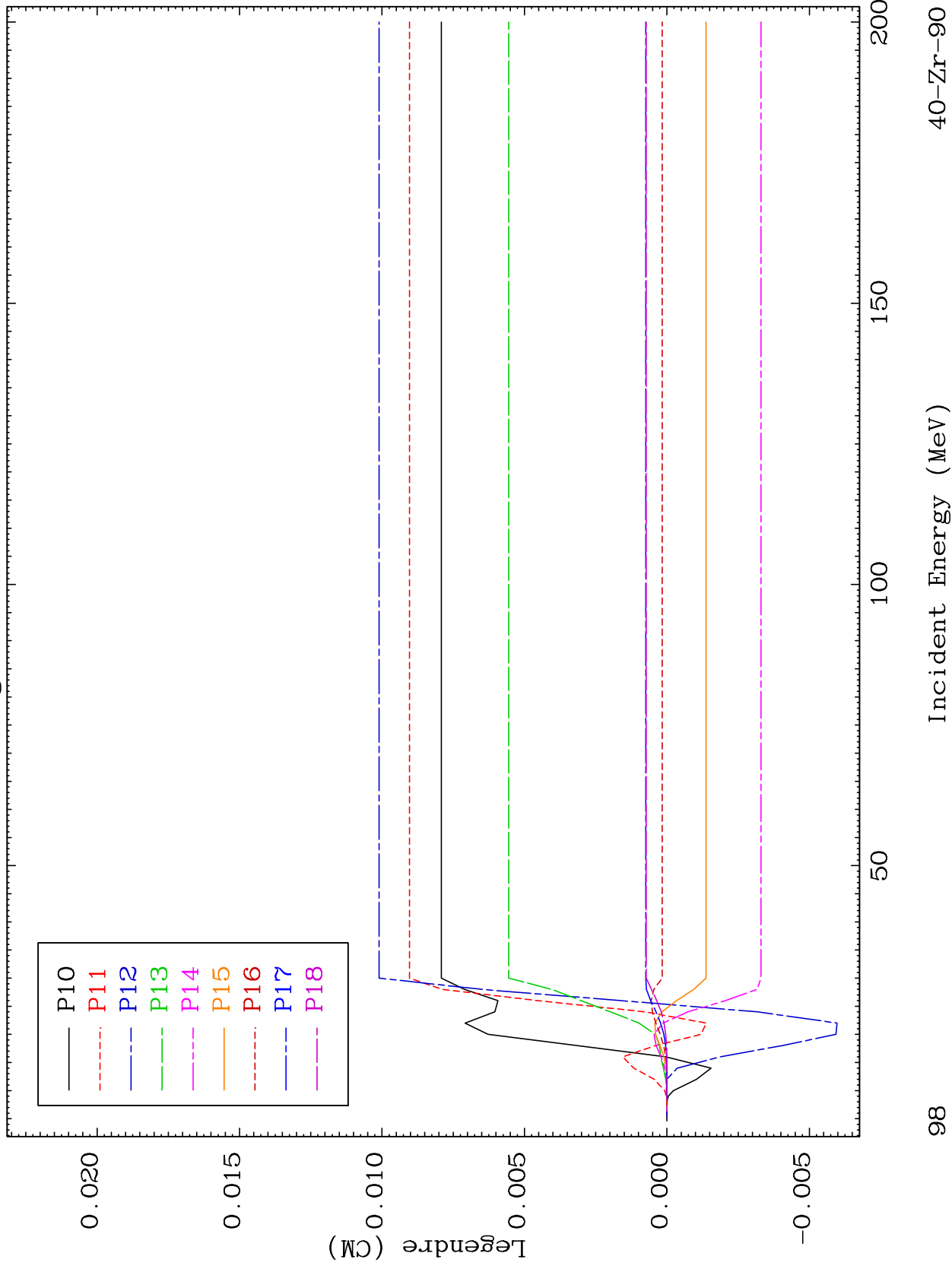


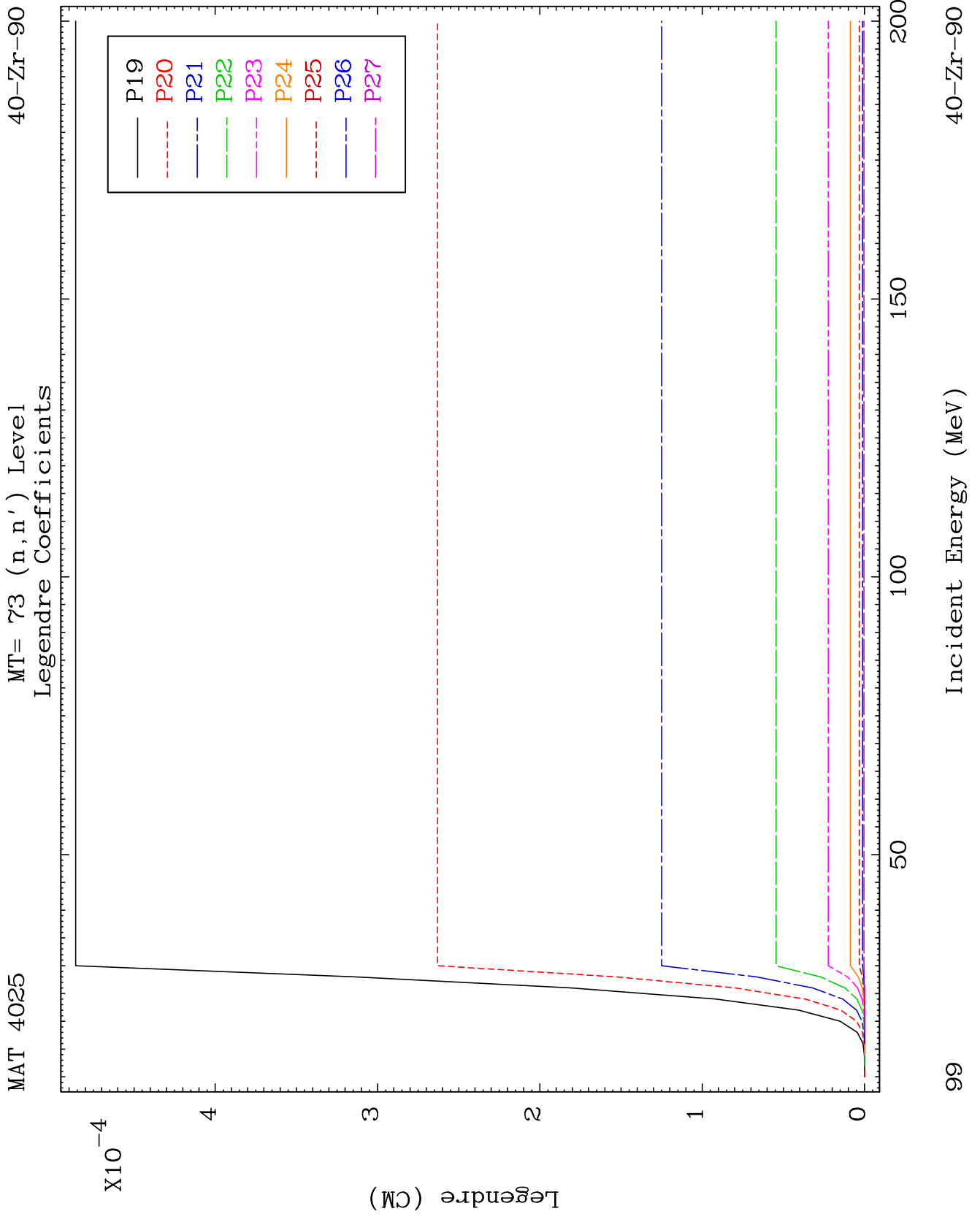


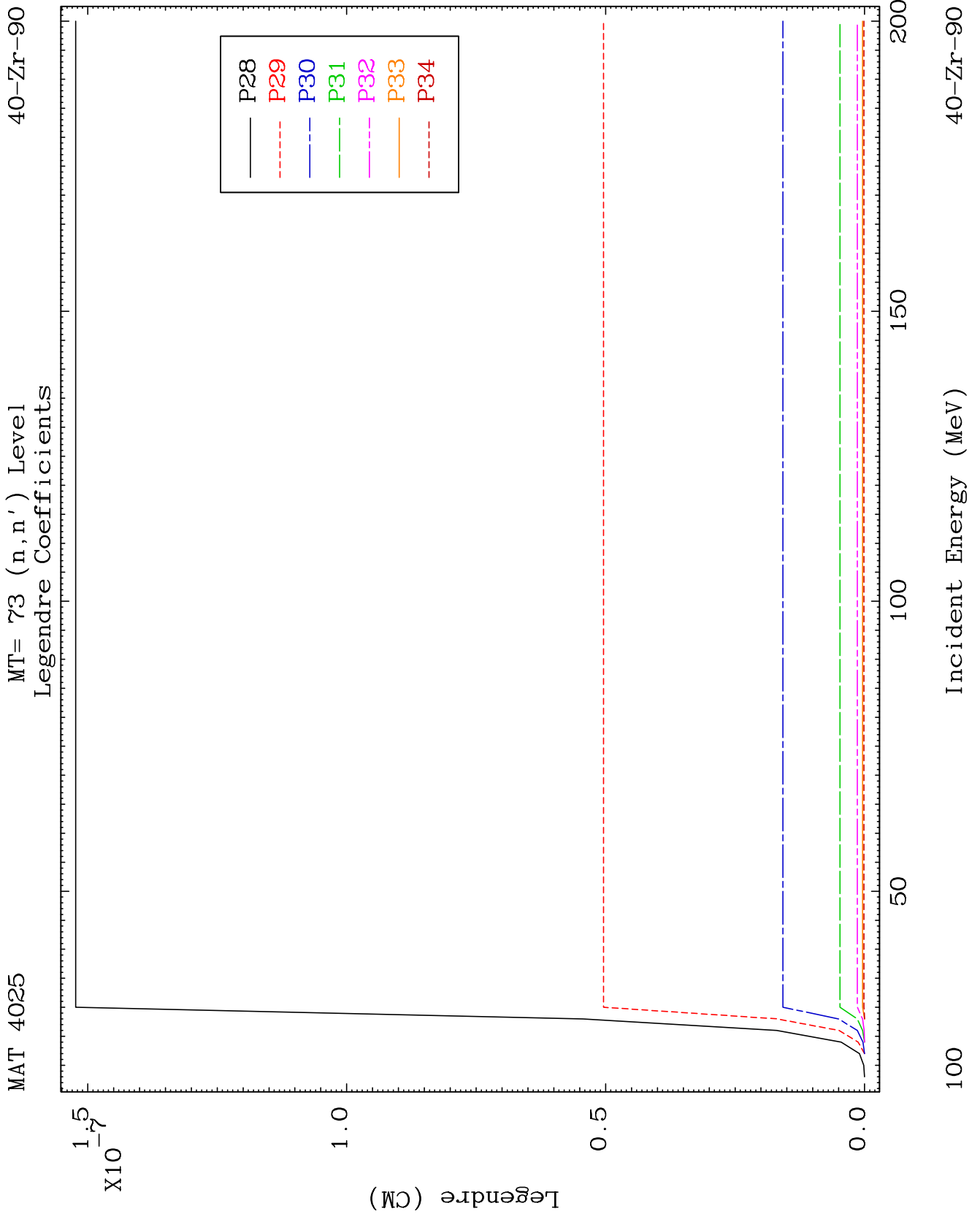
MAT 4025

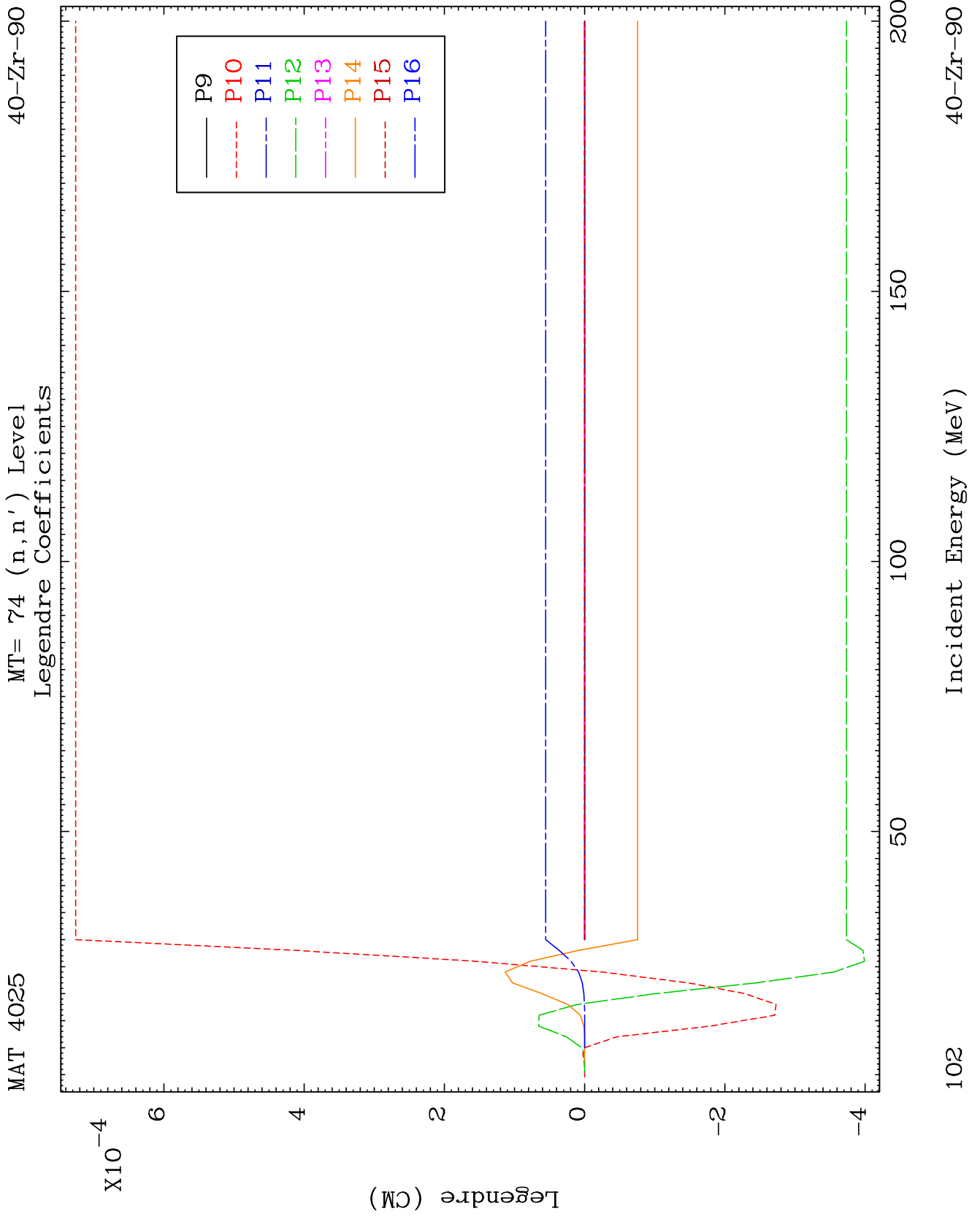
MT= 73 (n,n') Level
Legendre Coefficients

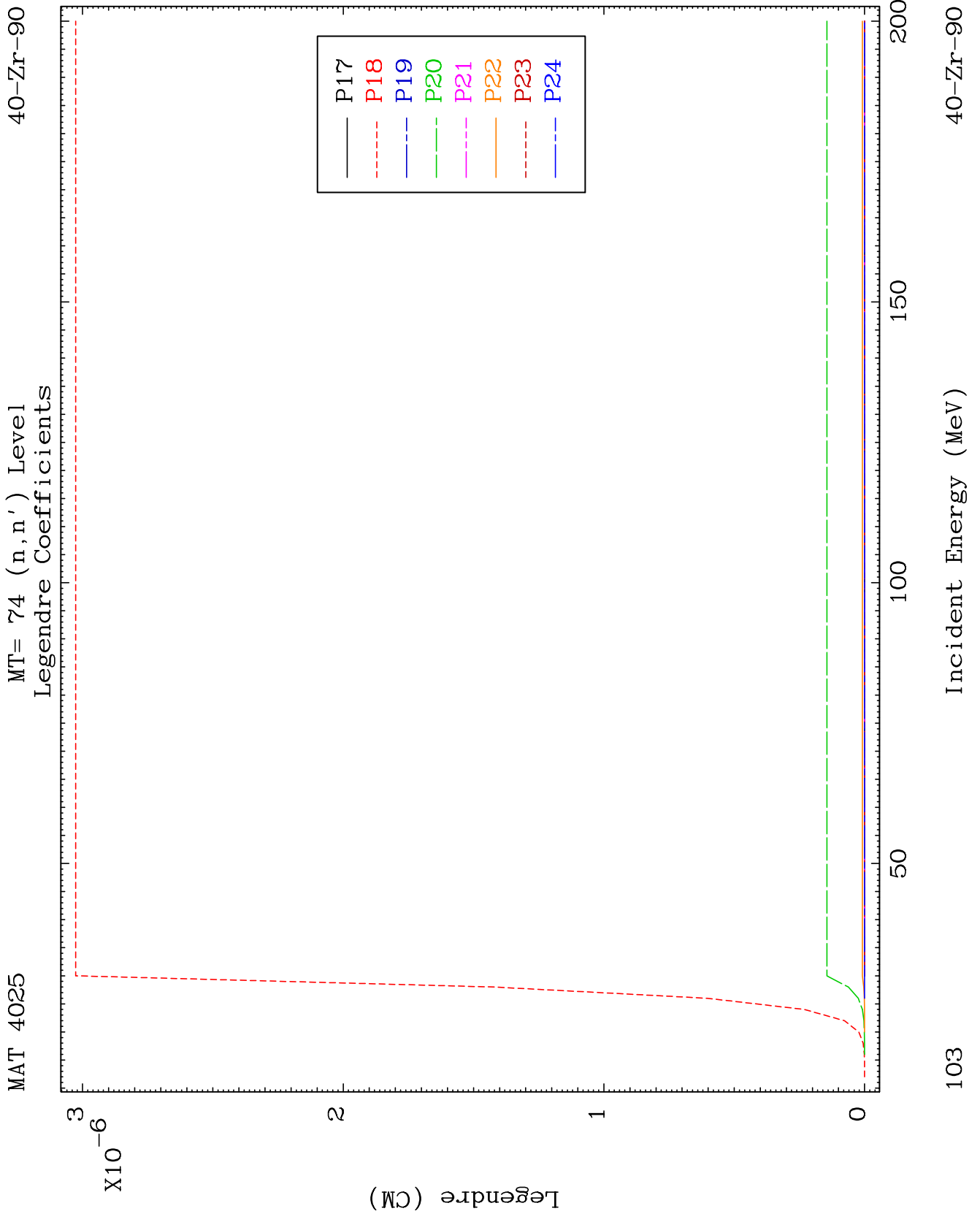
40-Zr-90

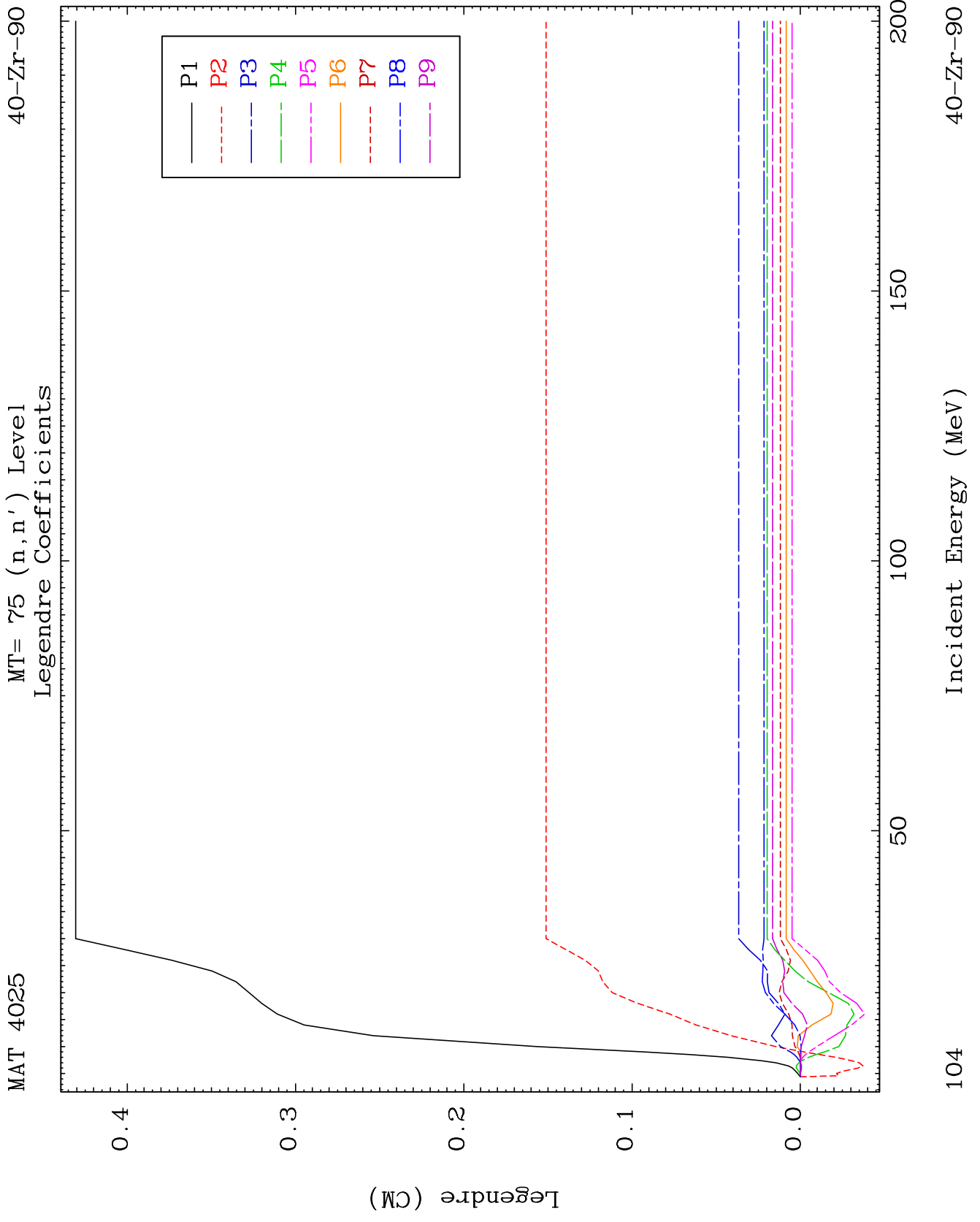


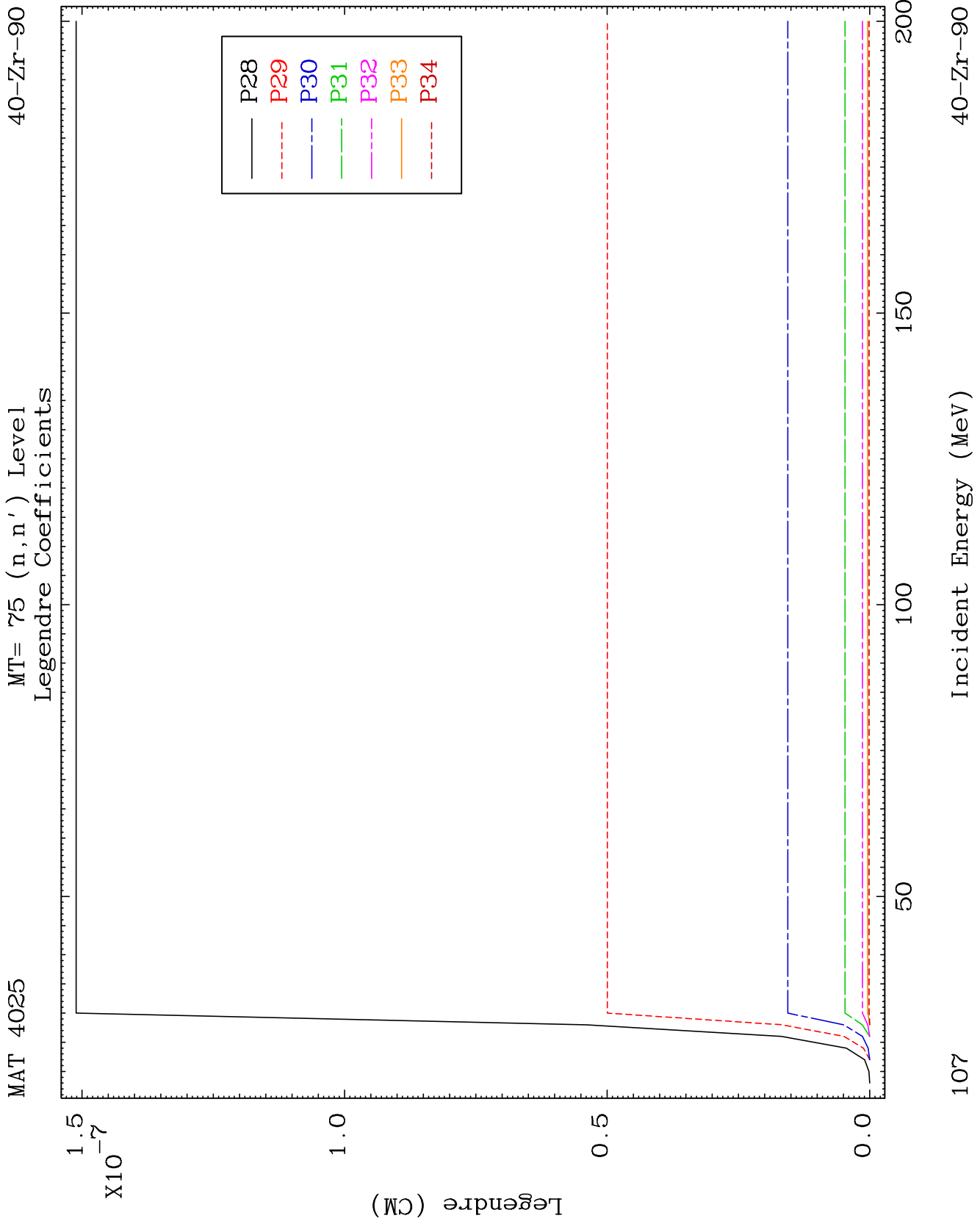


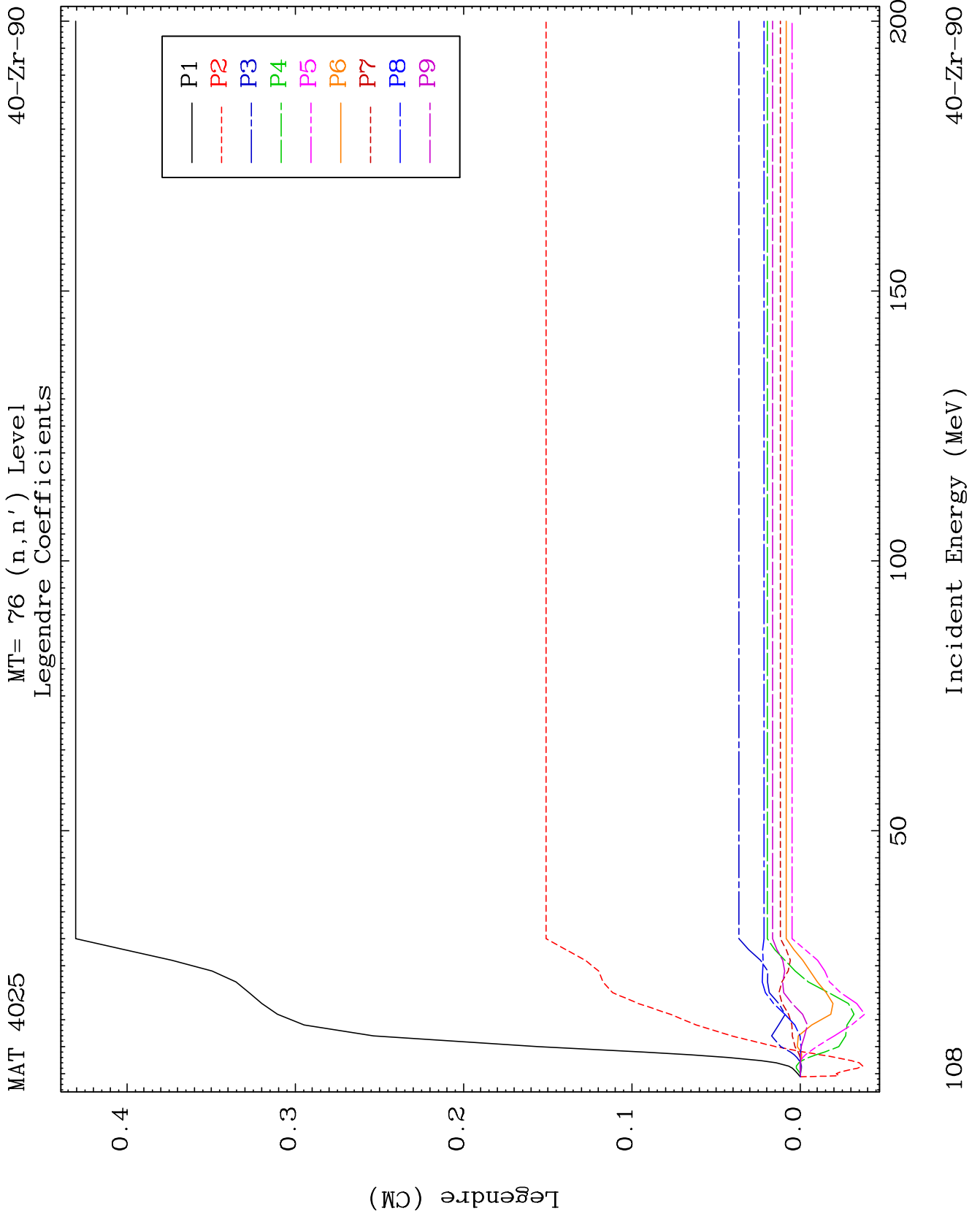


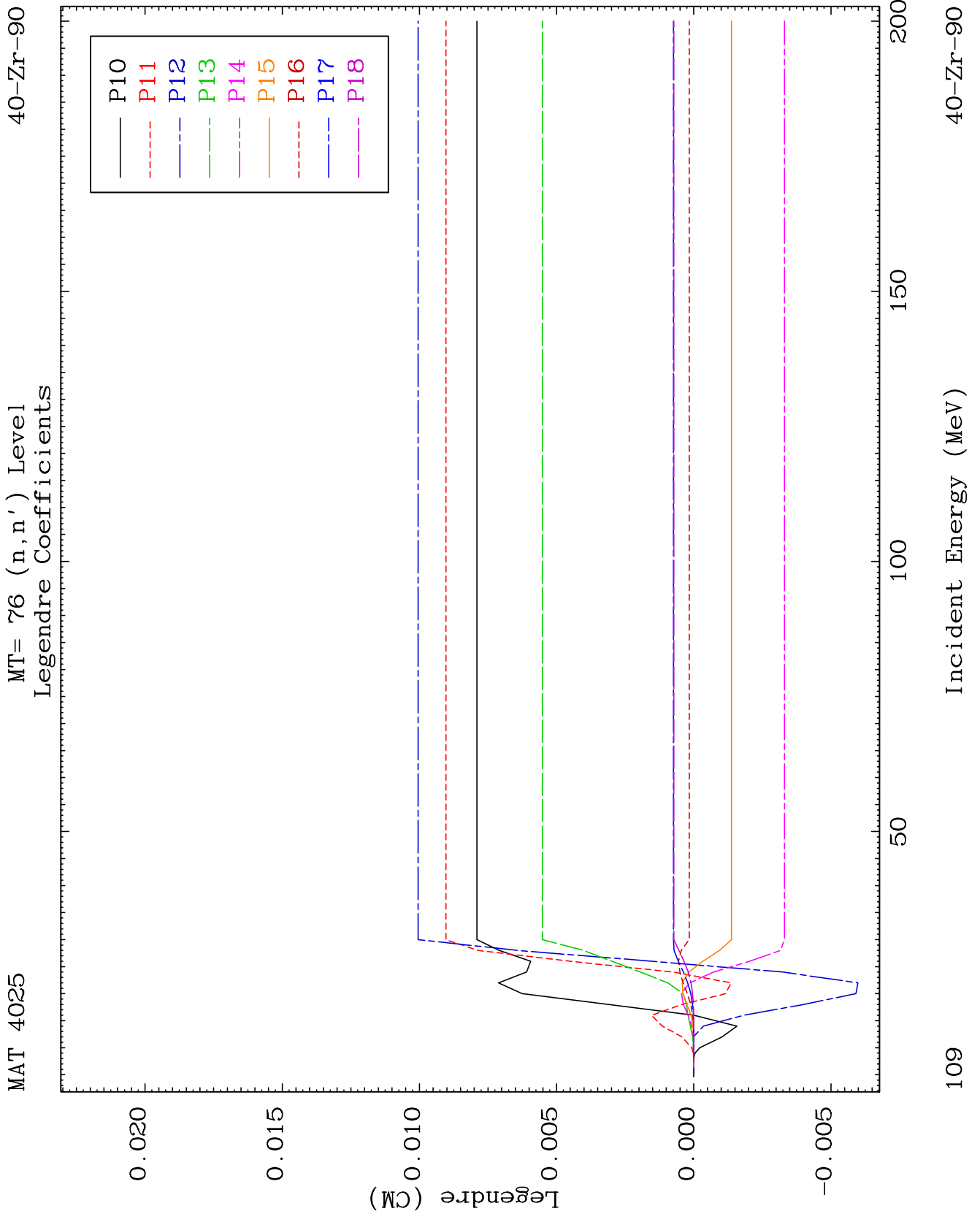


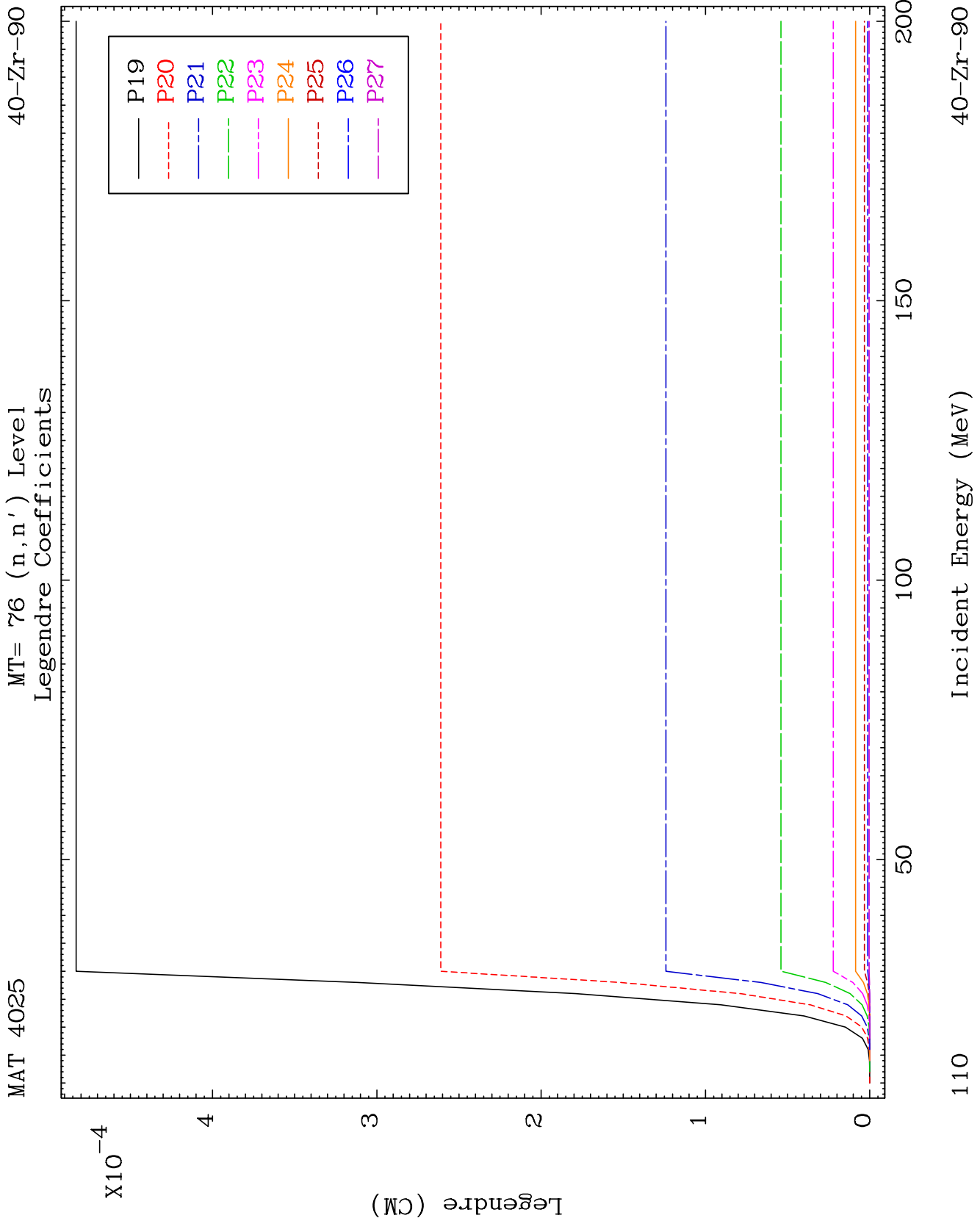


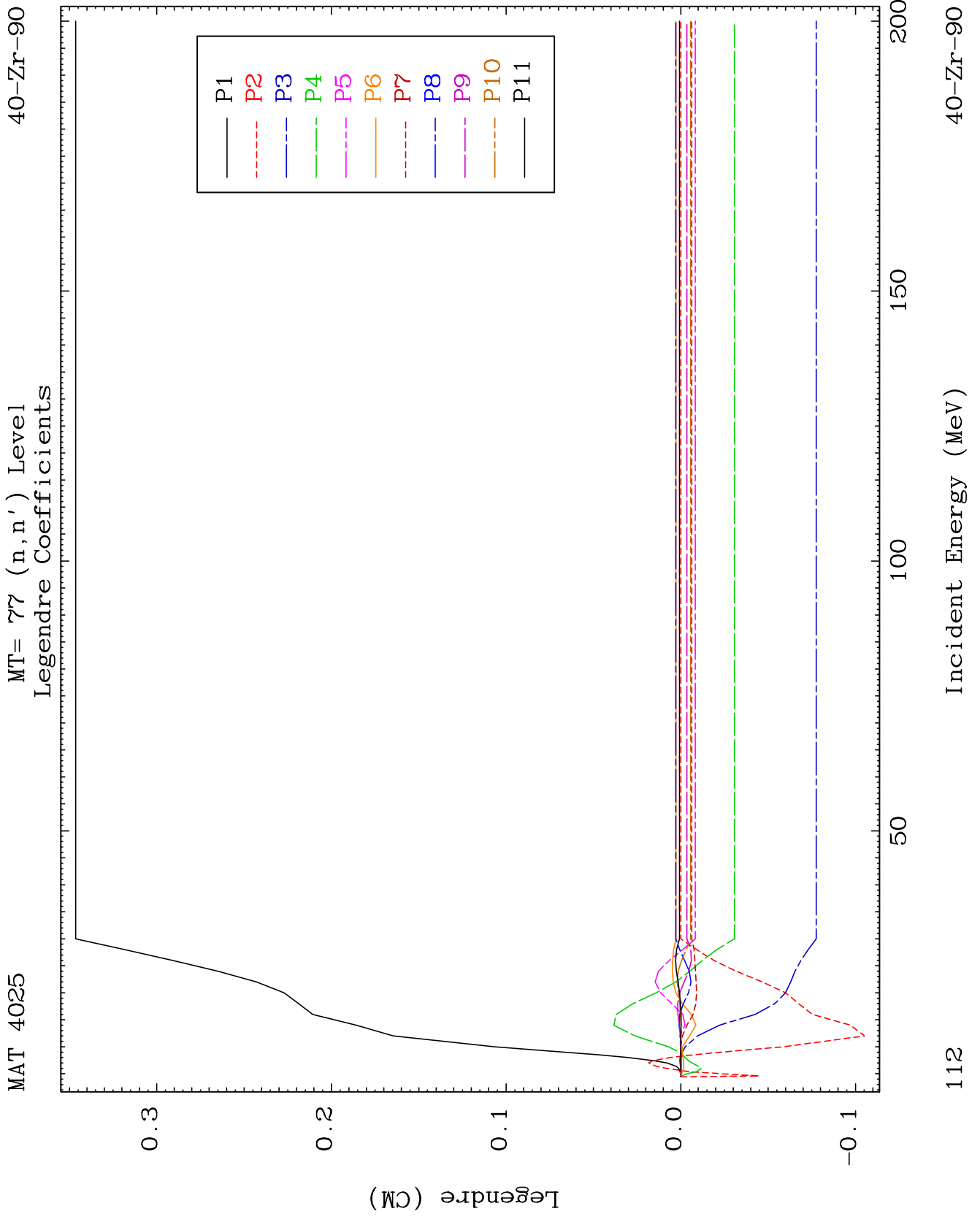


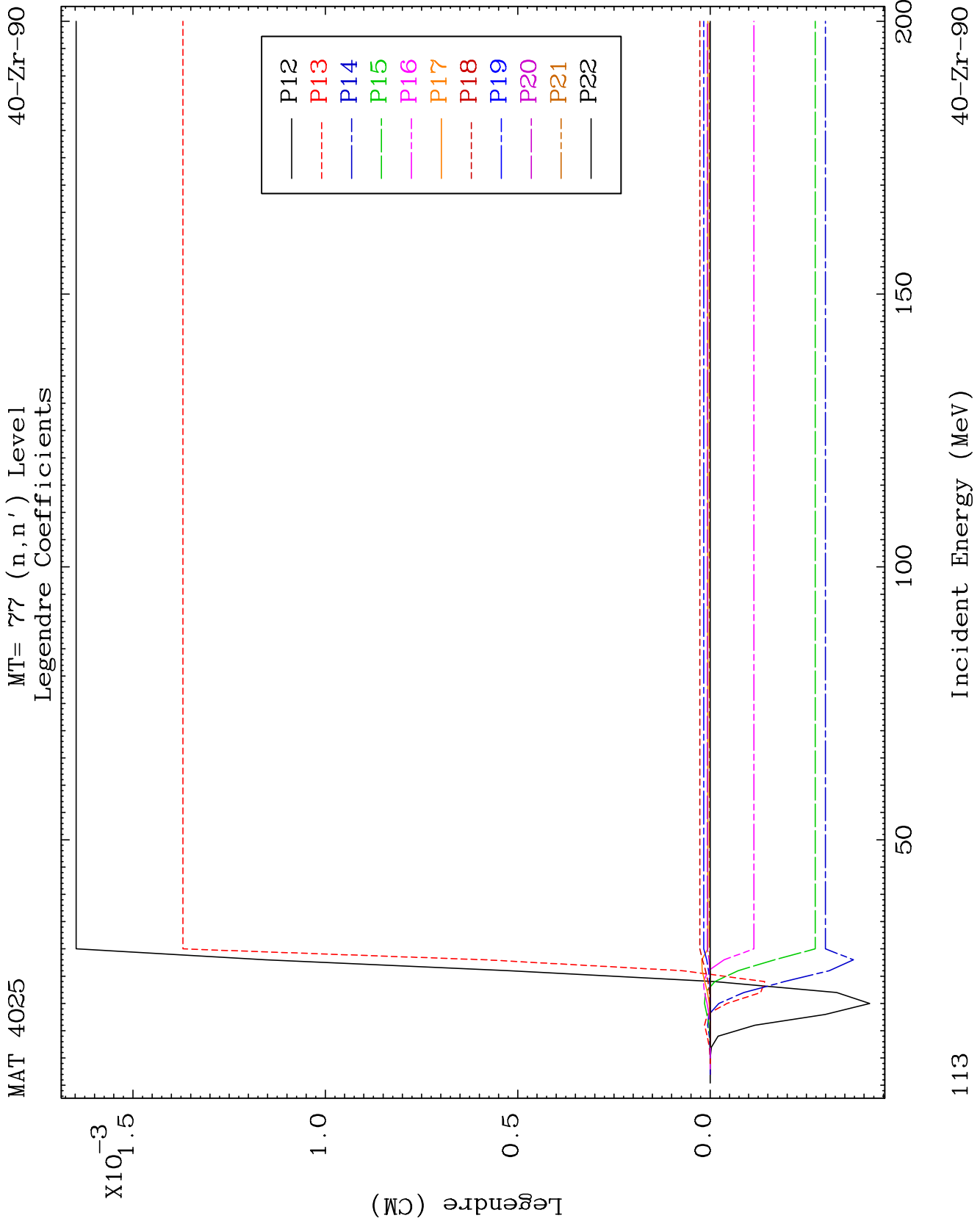


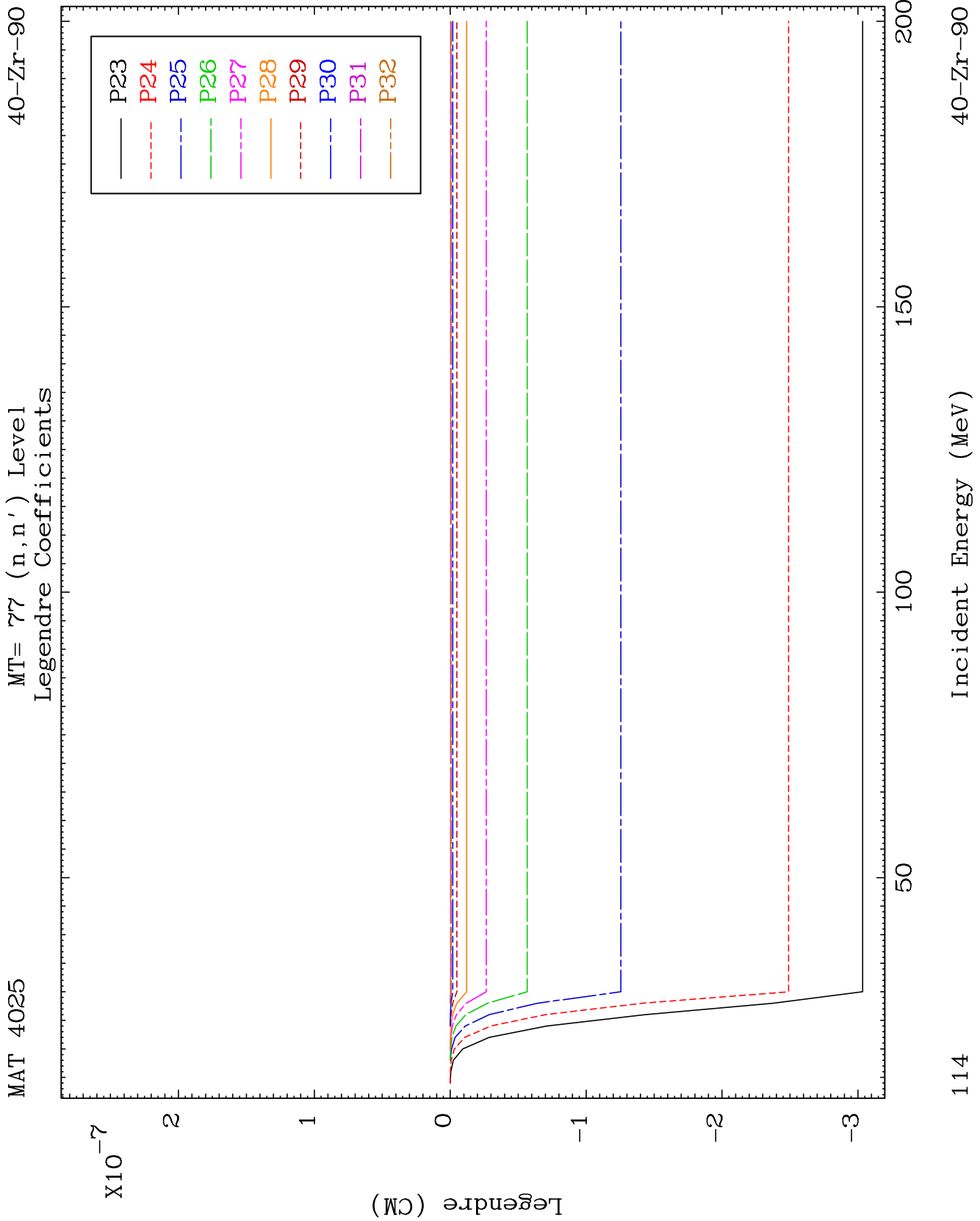


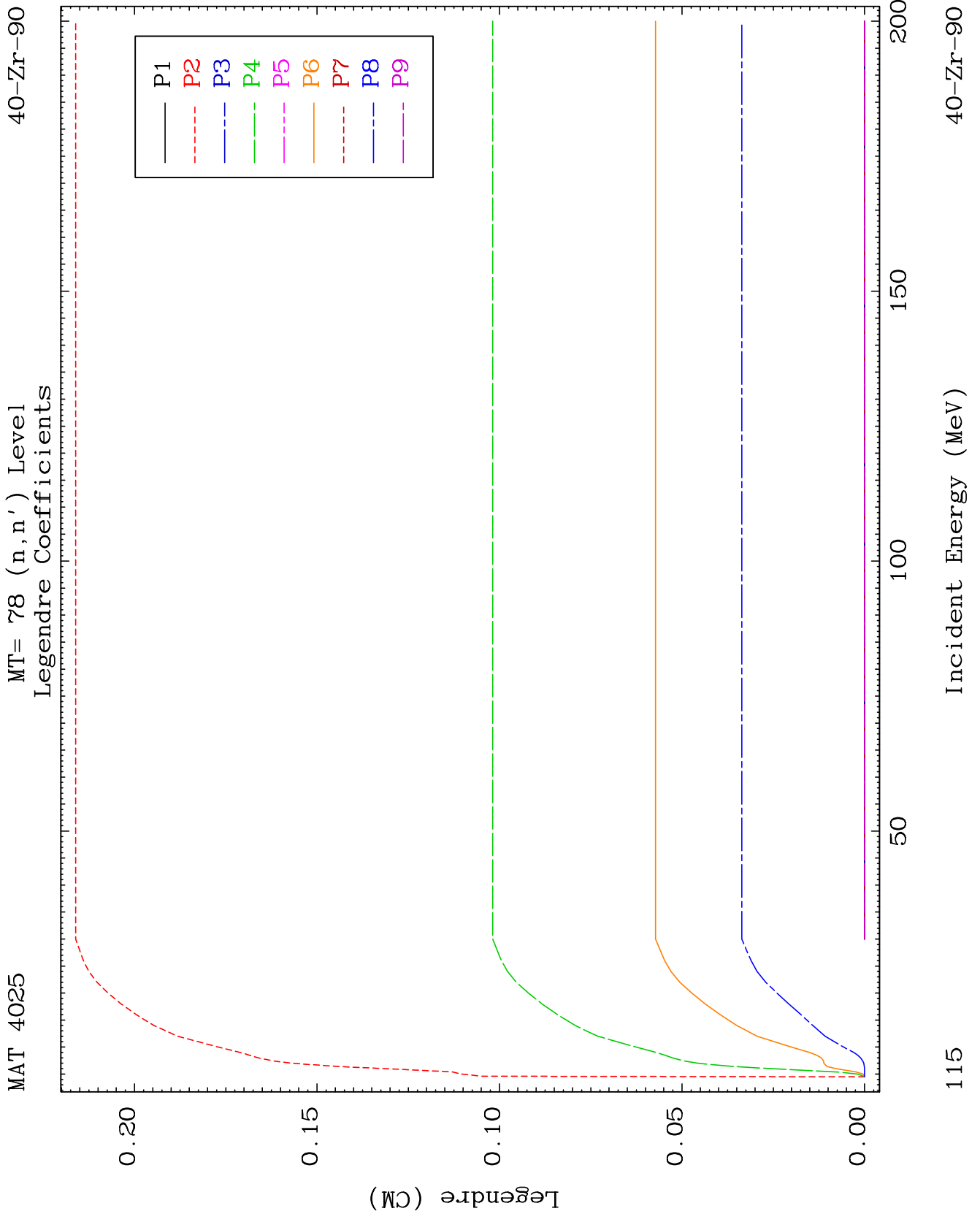


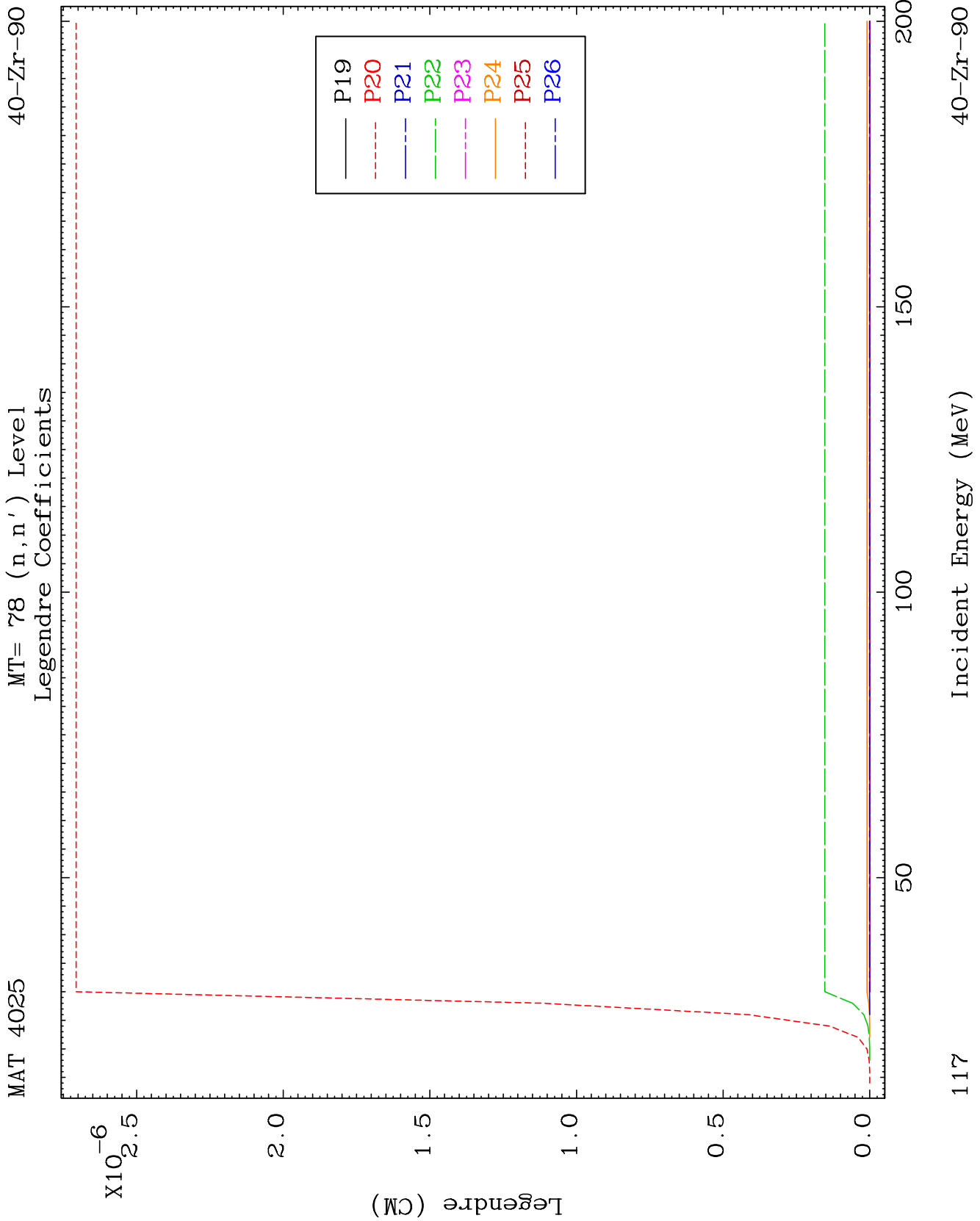


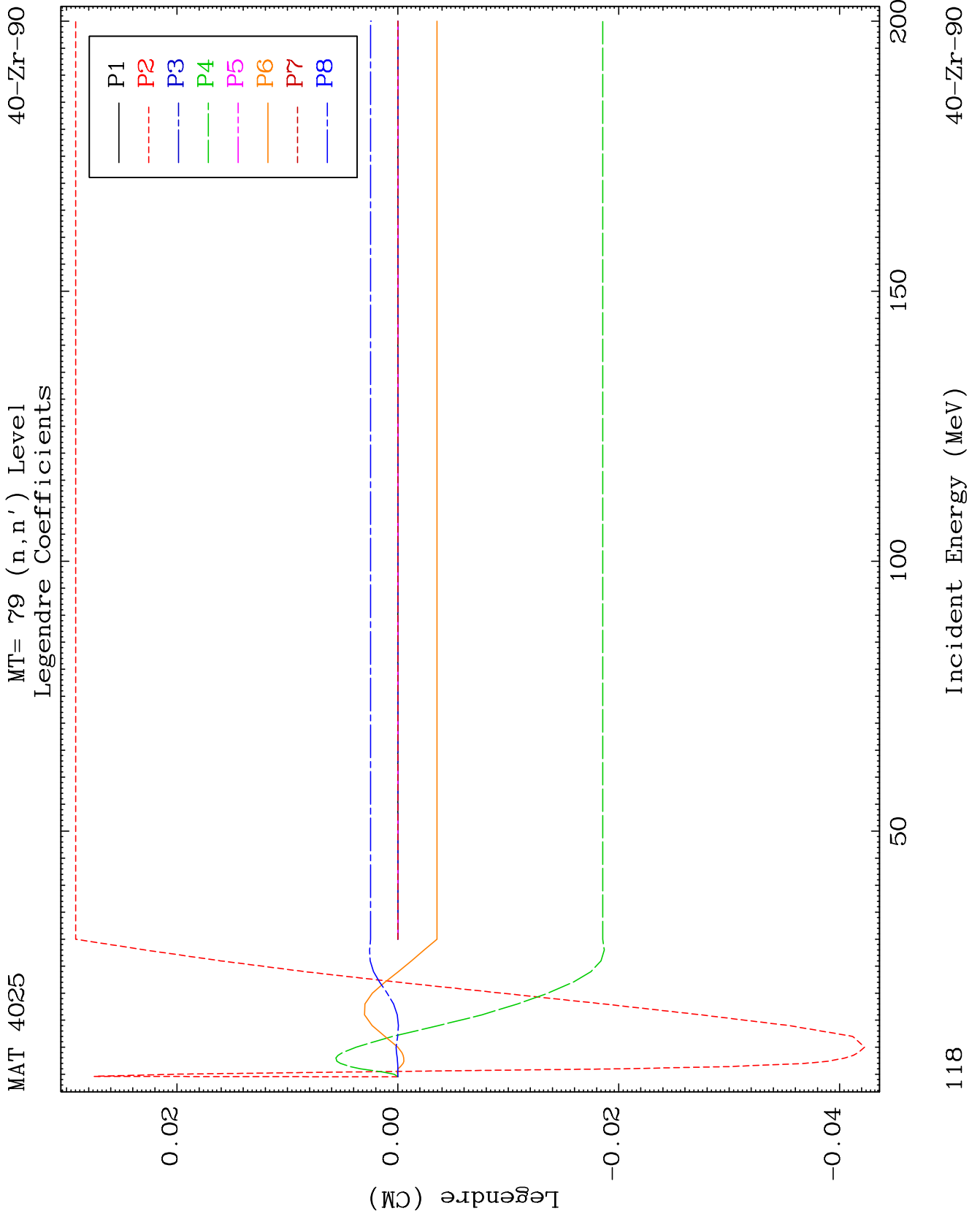


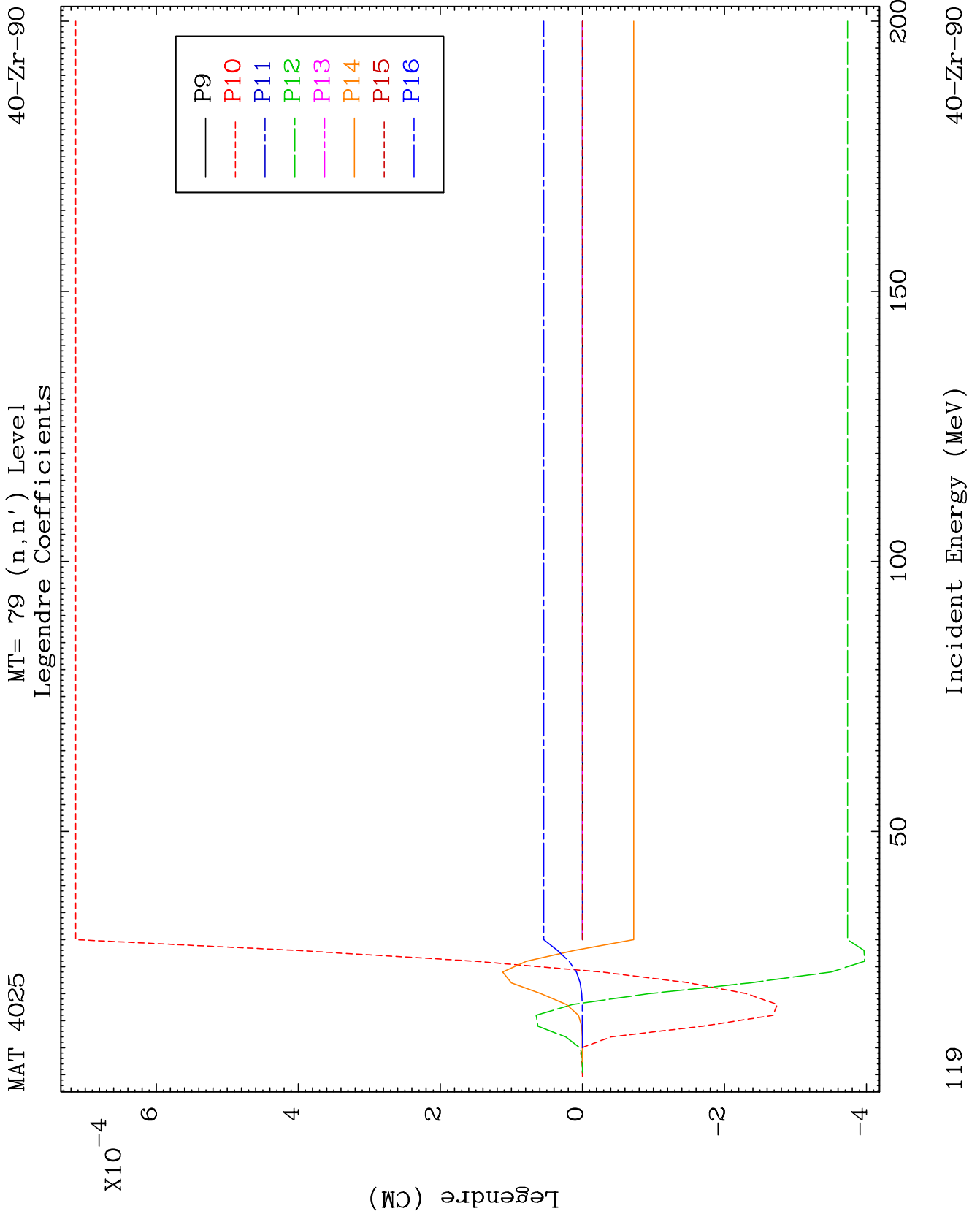


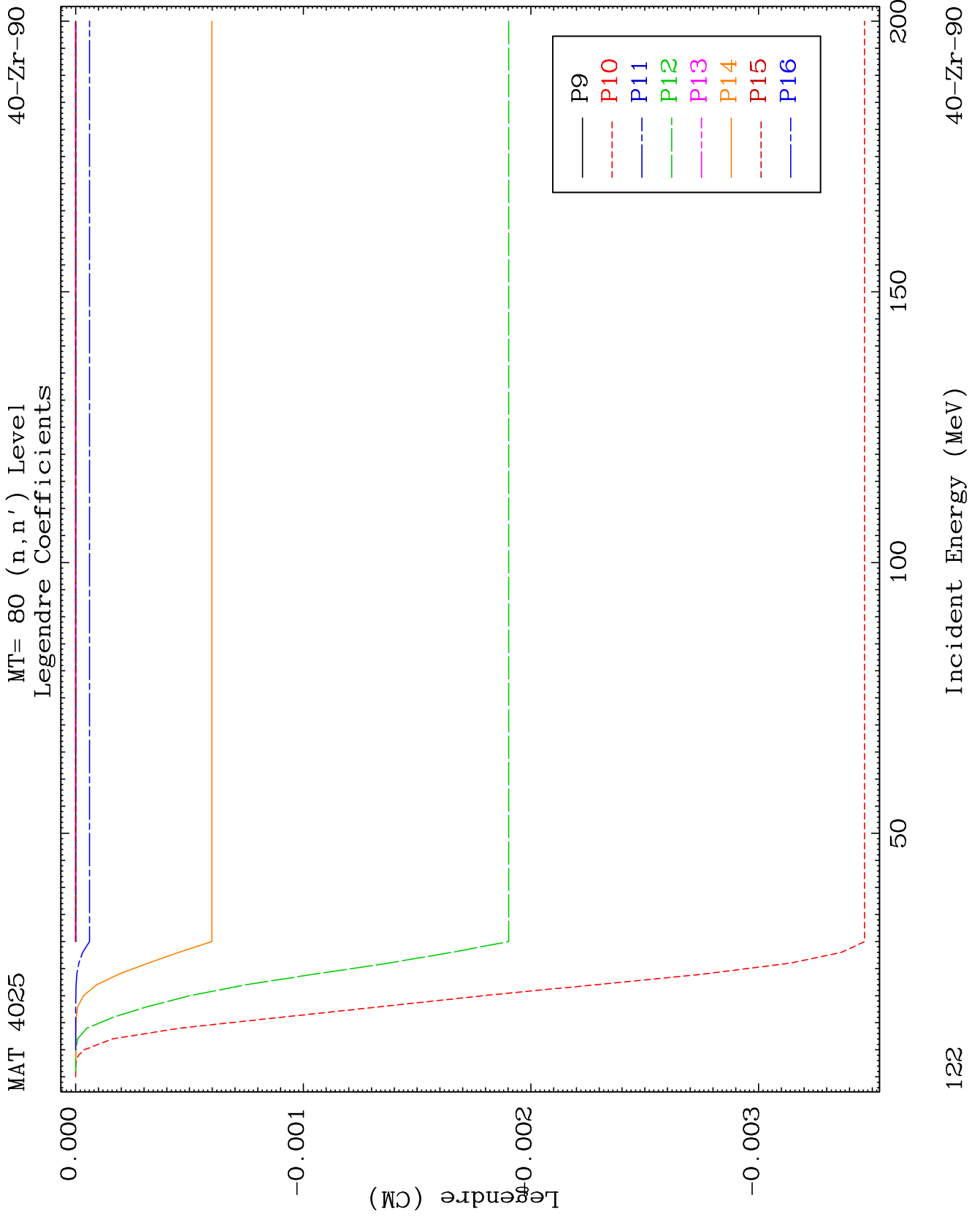


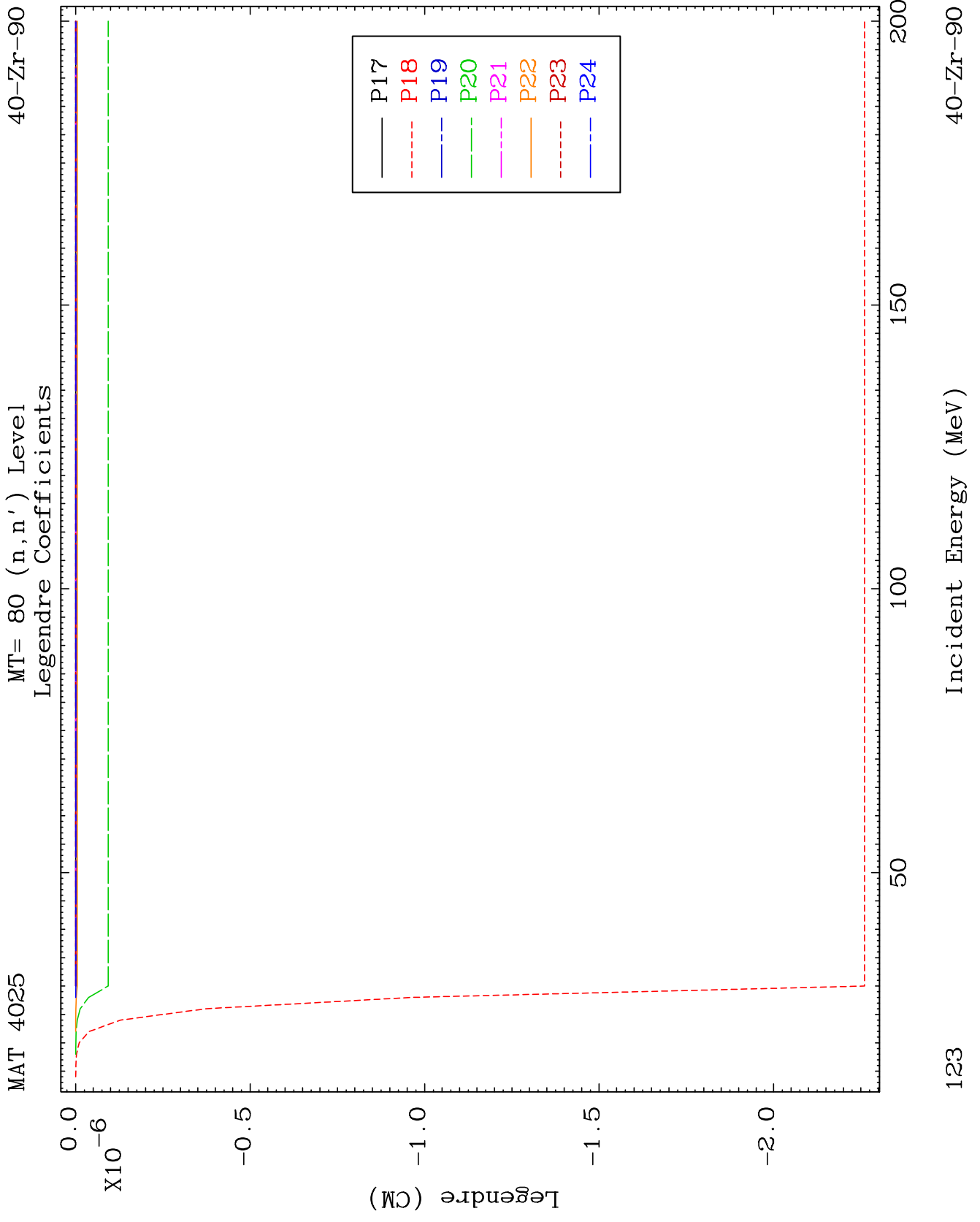








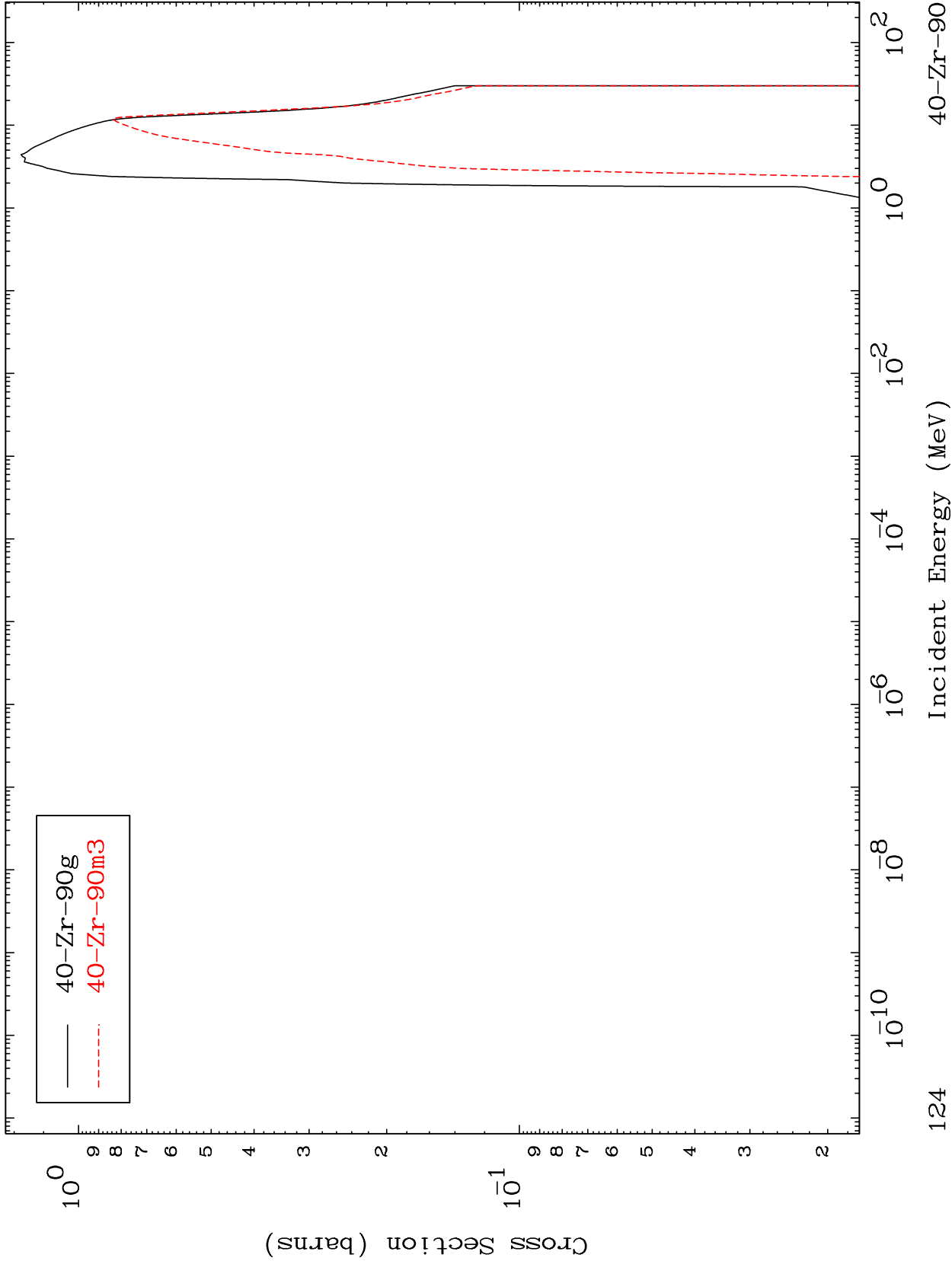


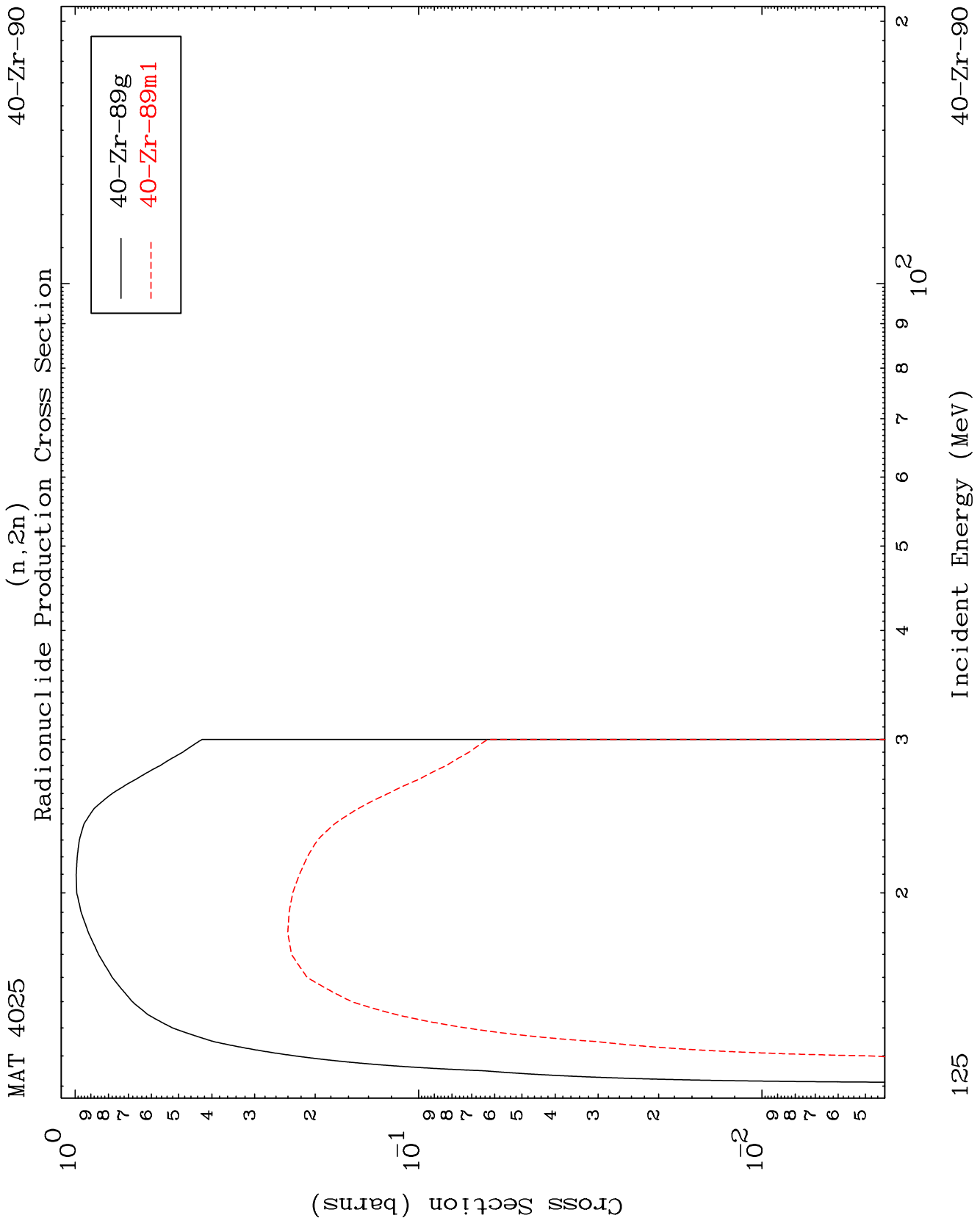


MAT 4025

Inelastic
Radionuclide Production Cross Section

40-Zr-90



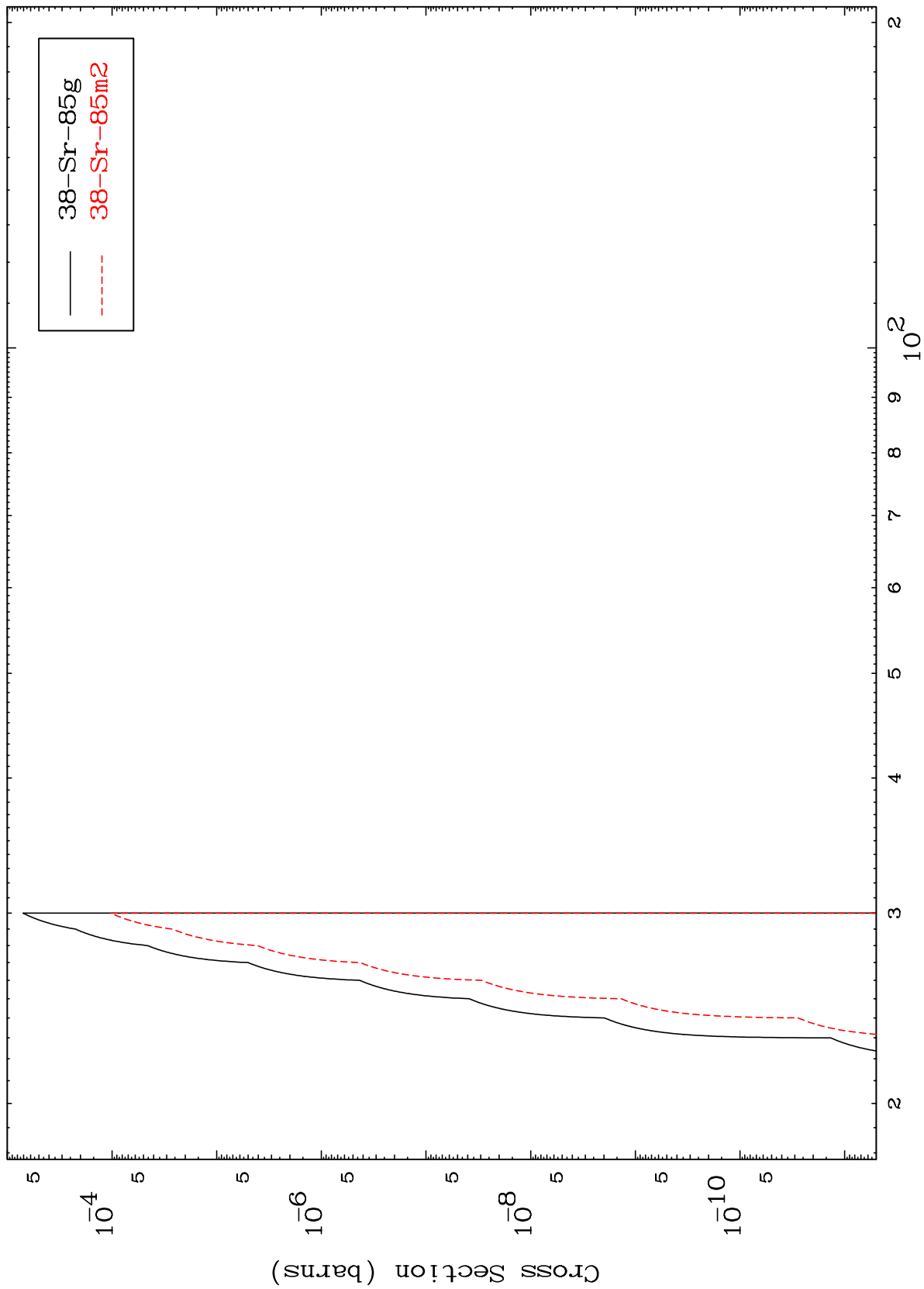


MAT 4025

$(n,2n) \alpha$

40-Zr-90

Radionuclide Production Cross Section



126

Incident Energy (MeV)

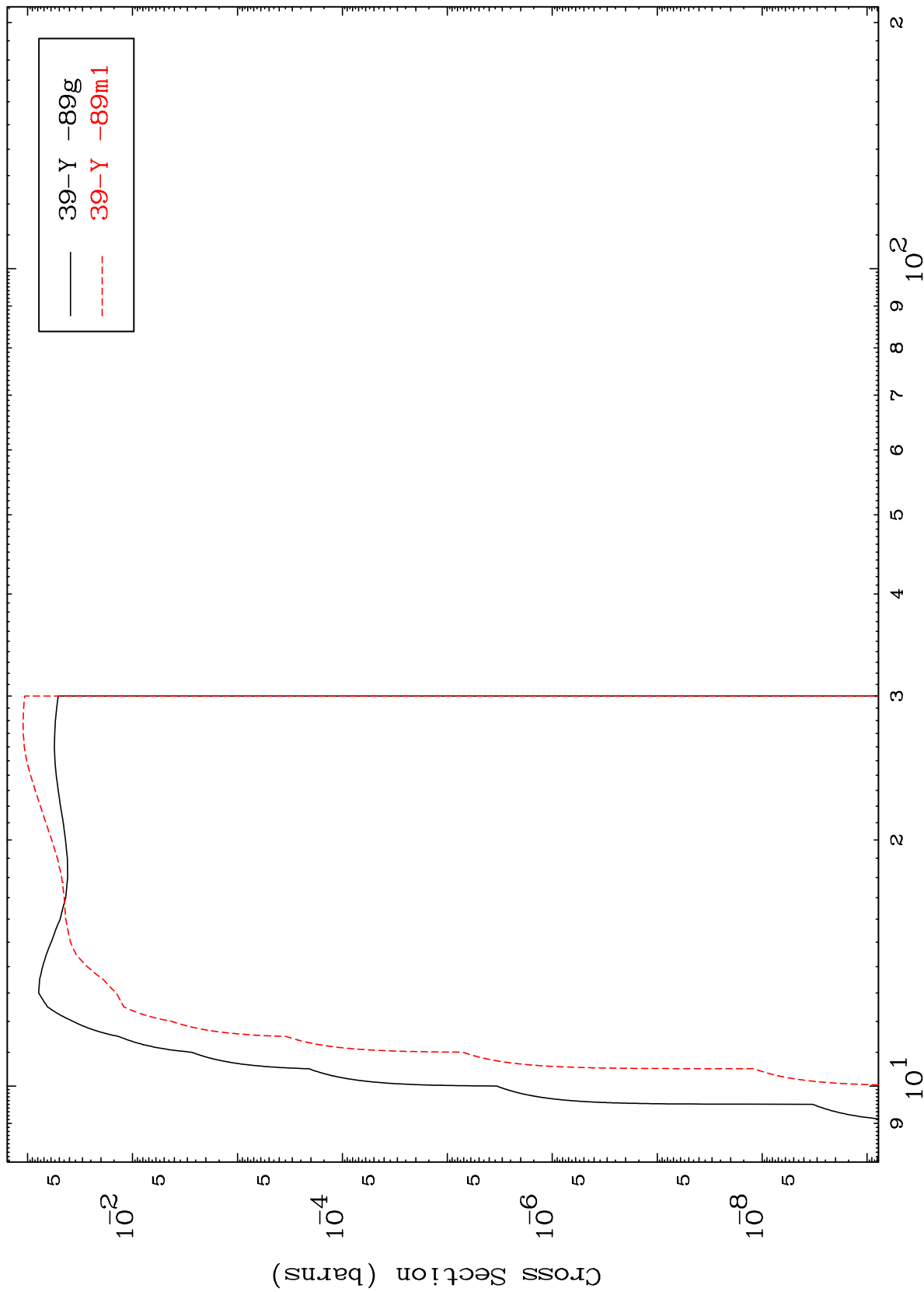
40-Zr-90

MAT 4025

(n,n') p

40-Zr-90

Radionuclide Production Cross Section



127

Incident Energy (MeV)

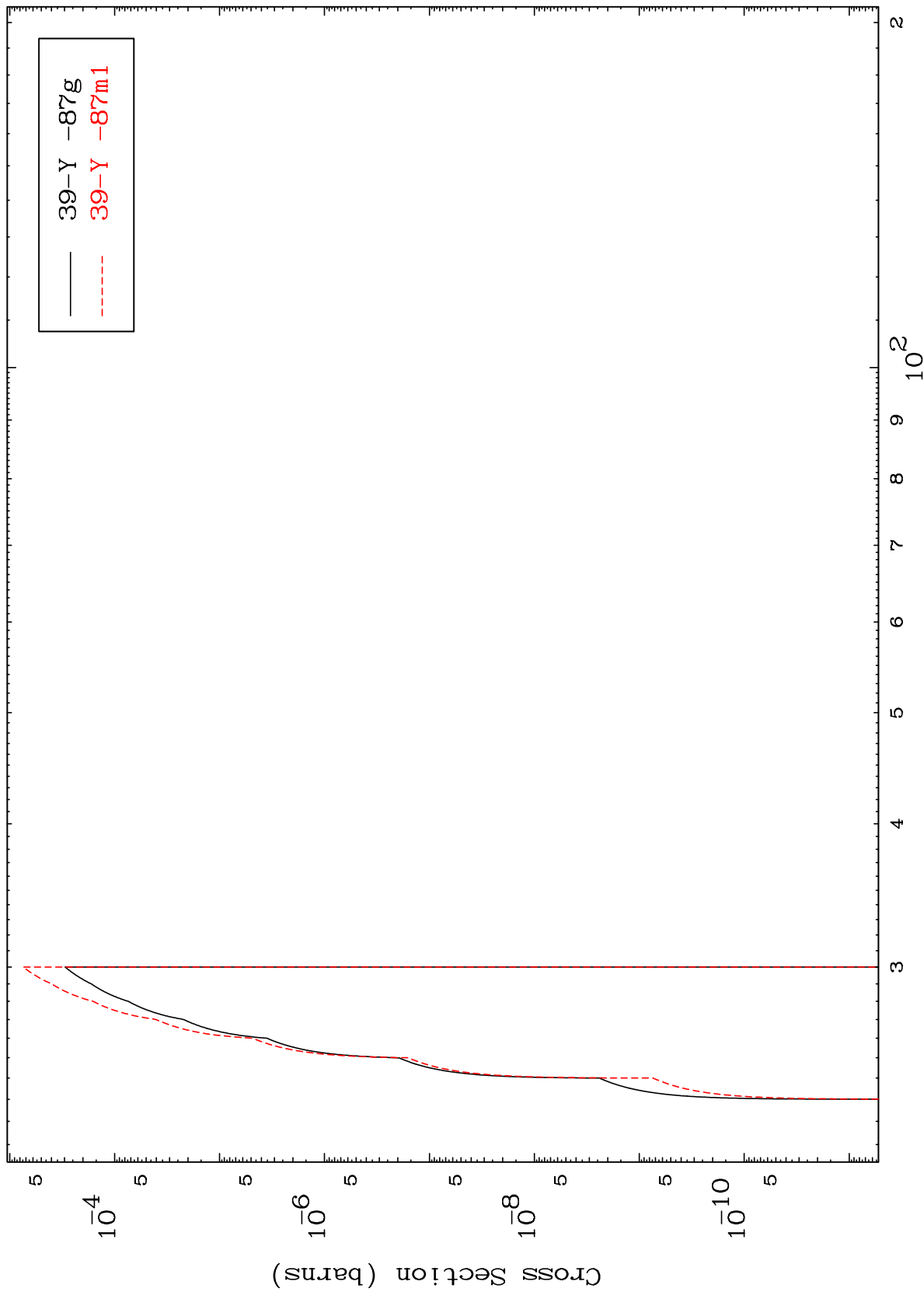
40-Zr-90

MAT 4025

(n,n') t

40-Zr-90

Radionuclide Production Cross Section



128

Incident Energy (MeV)

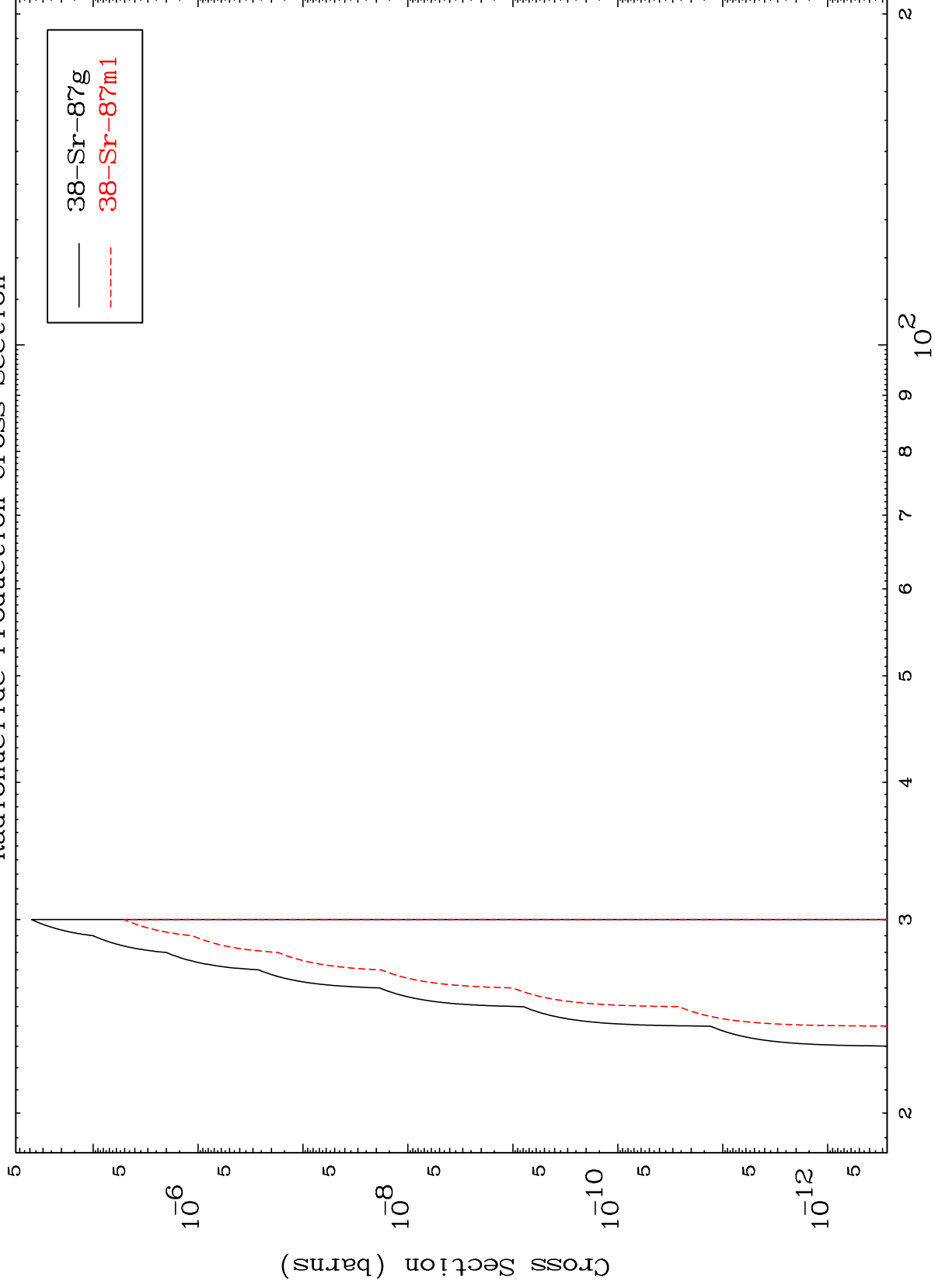
40-Zr-90

MAT 4025

(n,n') He-3

40-Zr-90

Radionuclide Production Cross Section



129

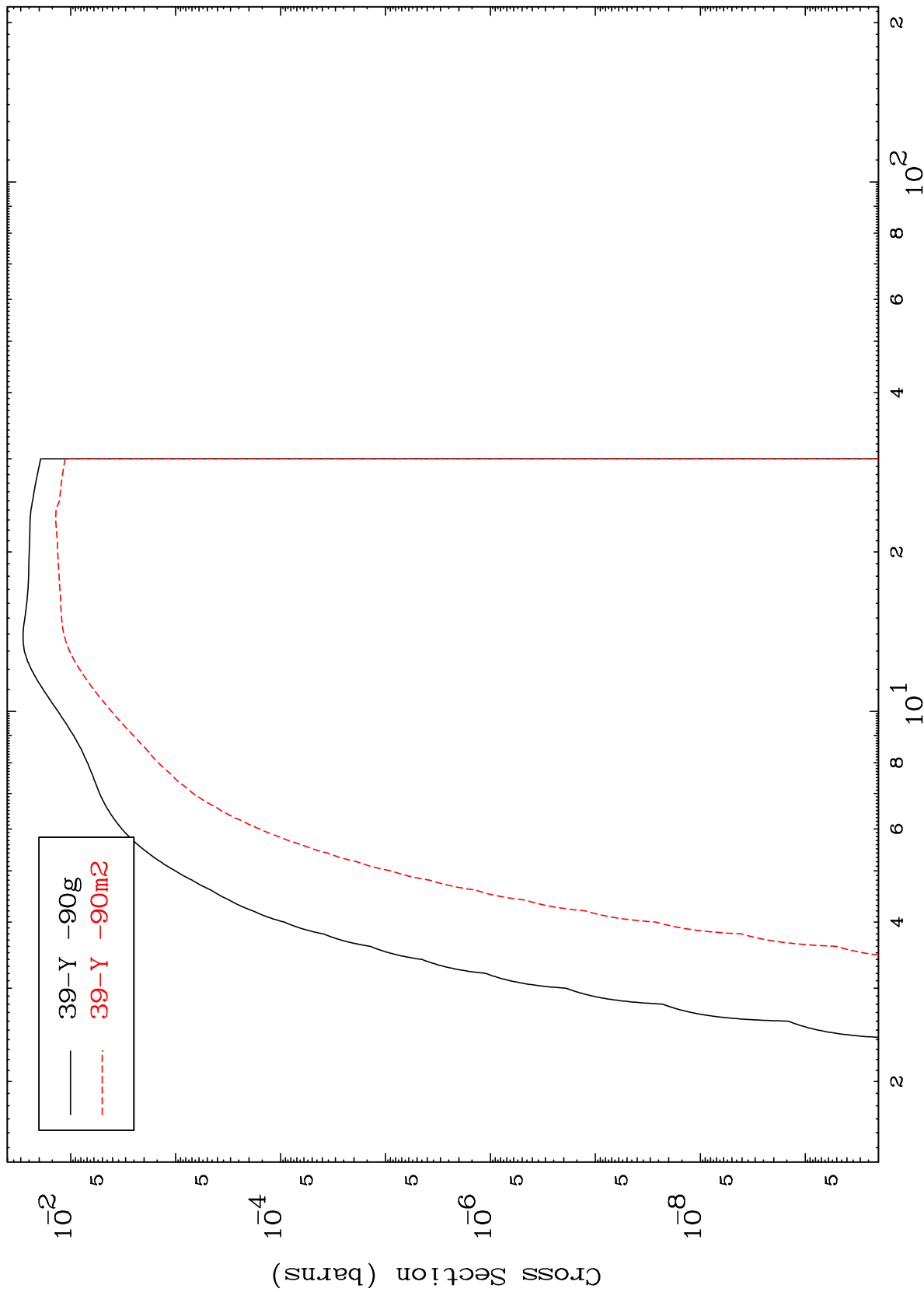
Incident Energy (MeV)

40-Zr-90

MAT 4025

40-Zr-90

(n,p)
Radionuclide Production Cross Section

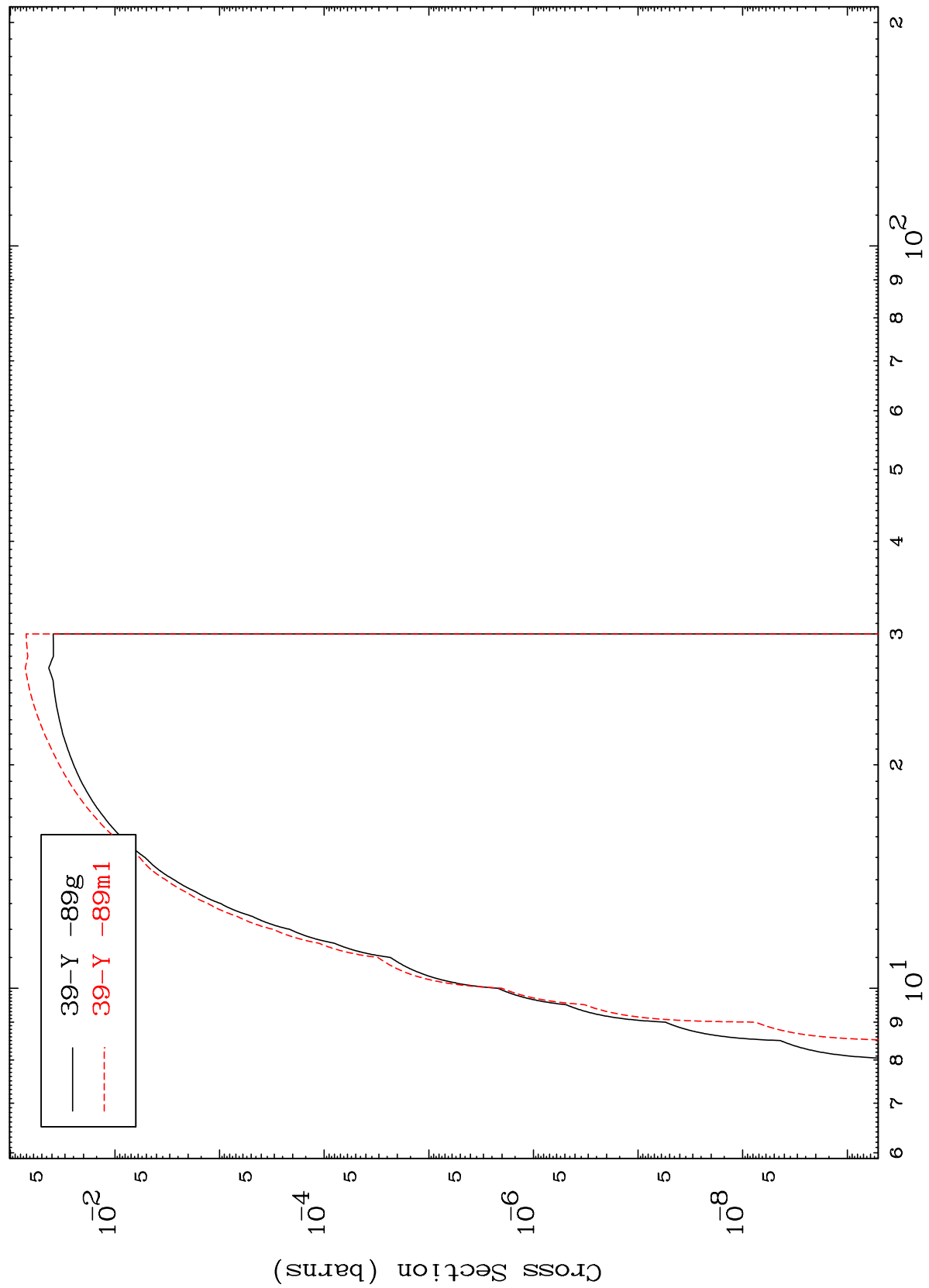


— 39-Y -90g
- - - 39-Y -90m2

MAT 4025

40-Zr-90

(n,d)
Radionuclide Production Cross Section

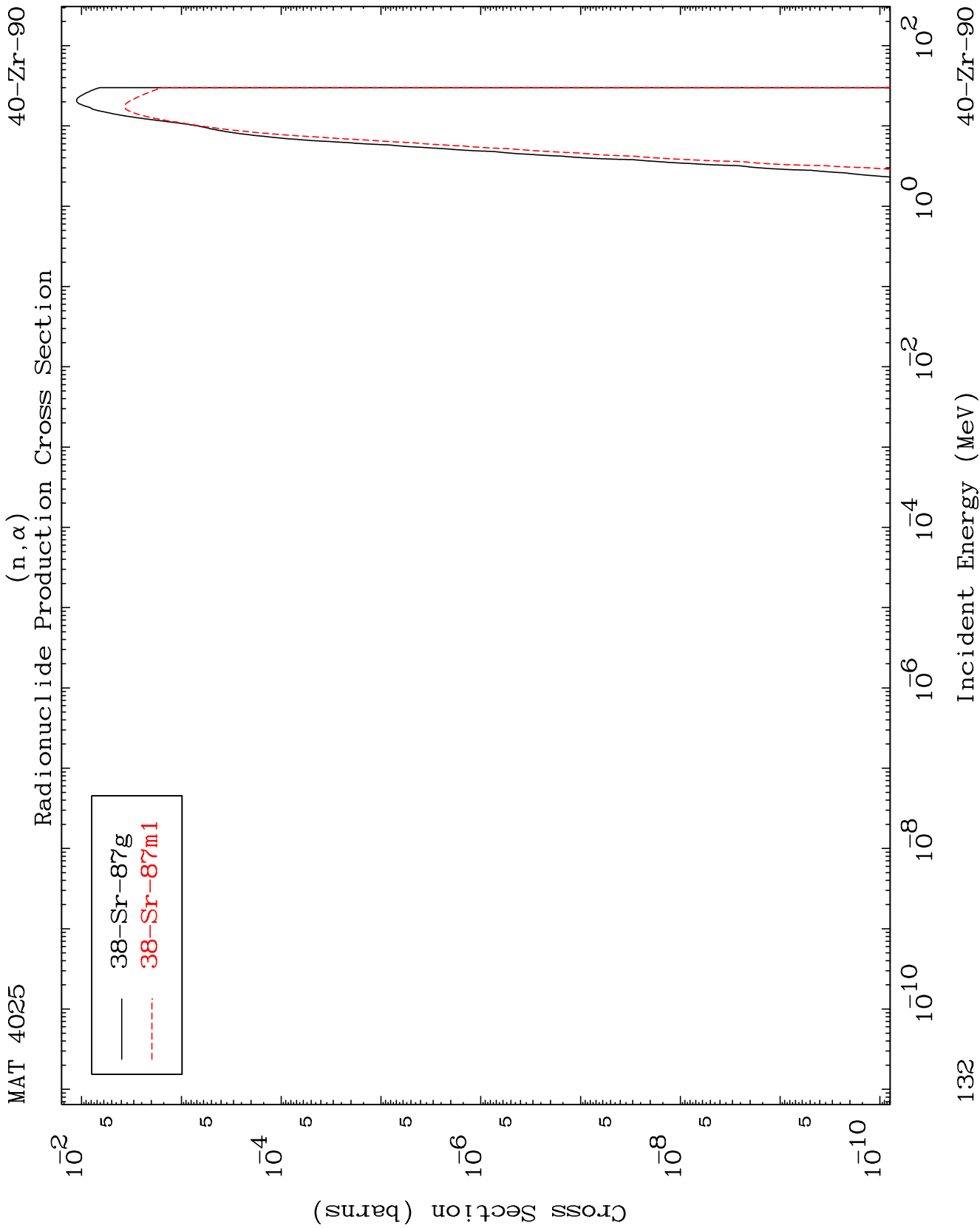


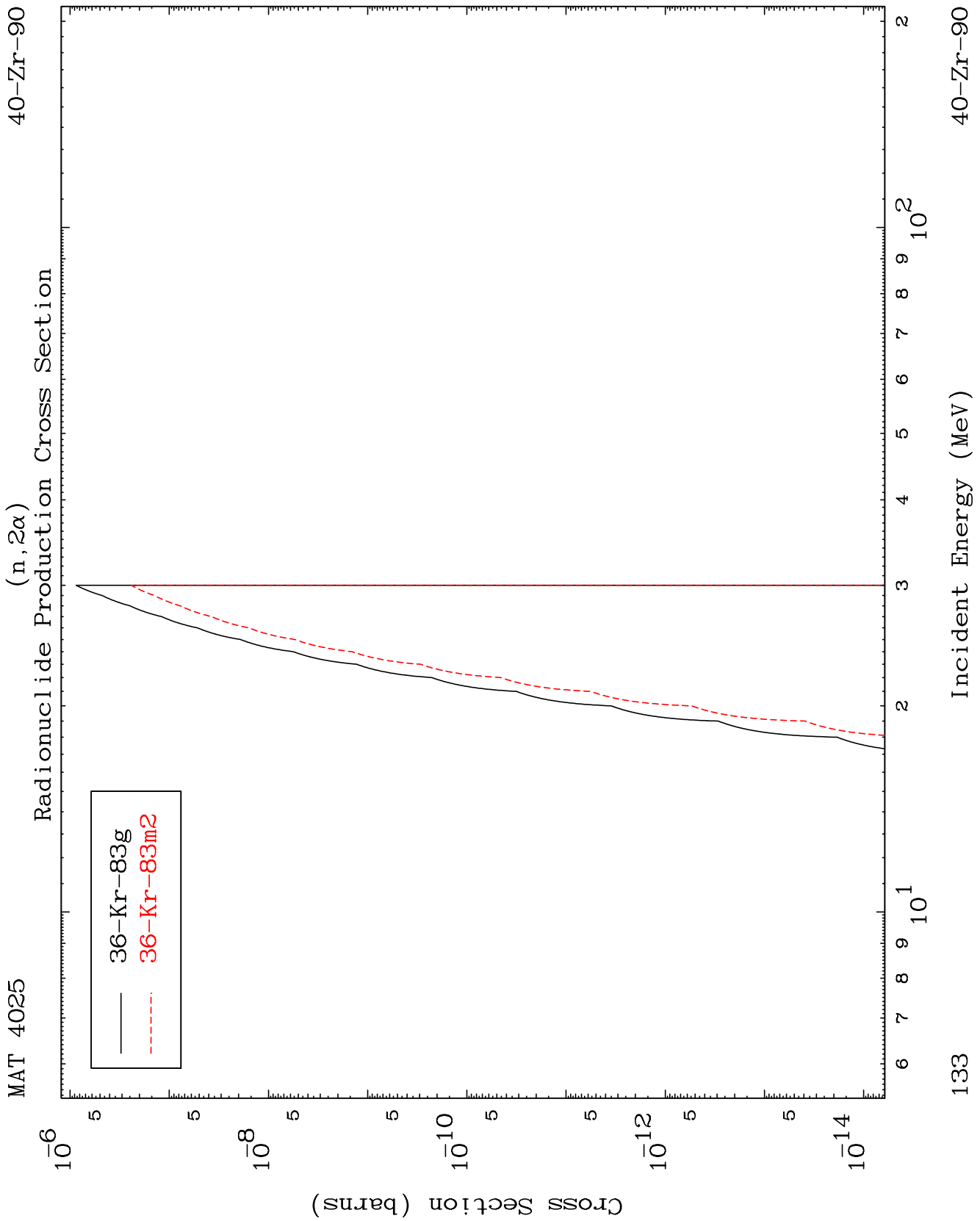
— 39-Y -89g
- - - 39-Y -89m1

40-Zr-90

Incident Energy (MeV)

131



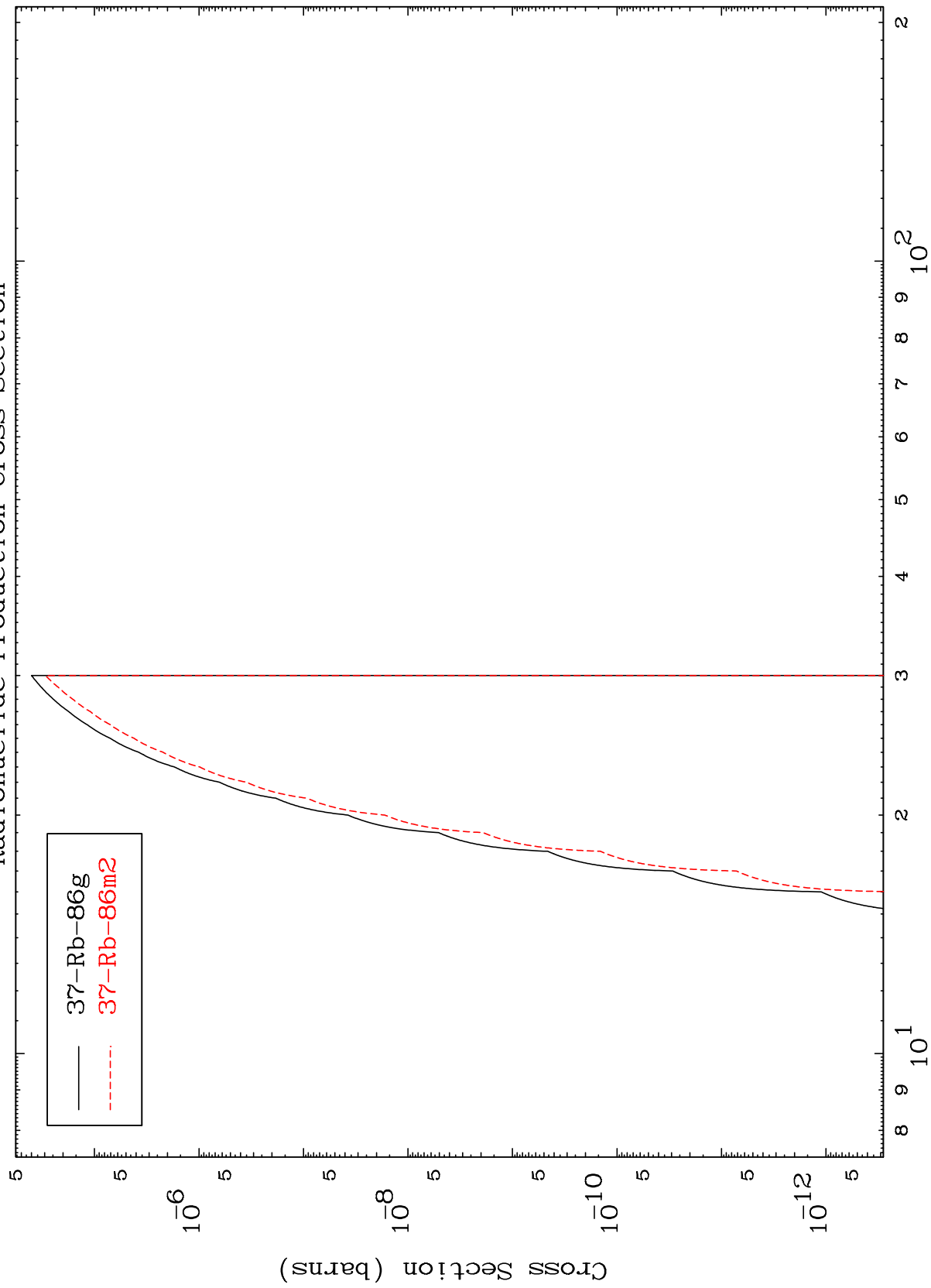


MAT 4025

40-Zr-90

(n,p) α

Radionuclide Production Cross Section



134

Incident Energy (MeV)

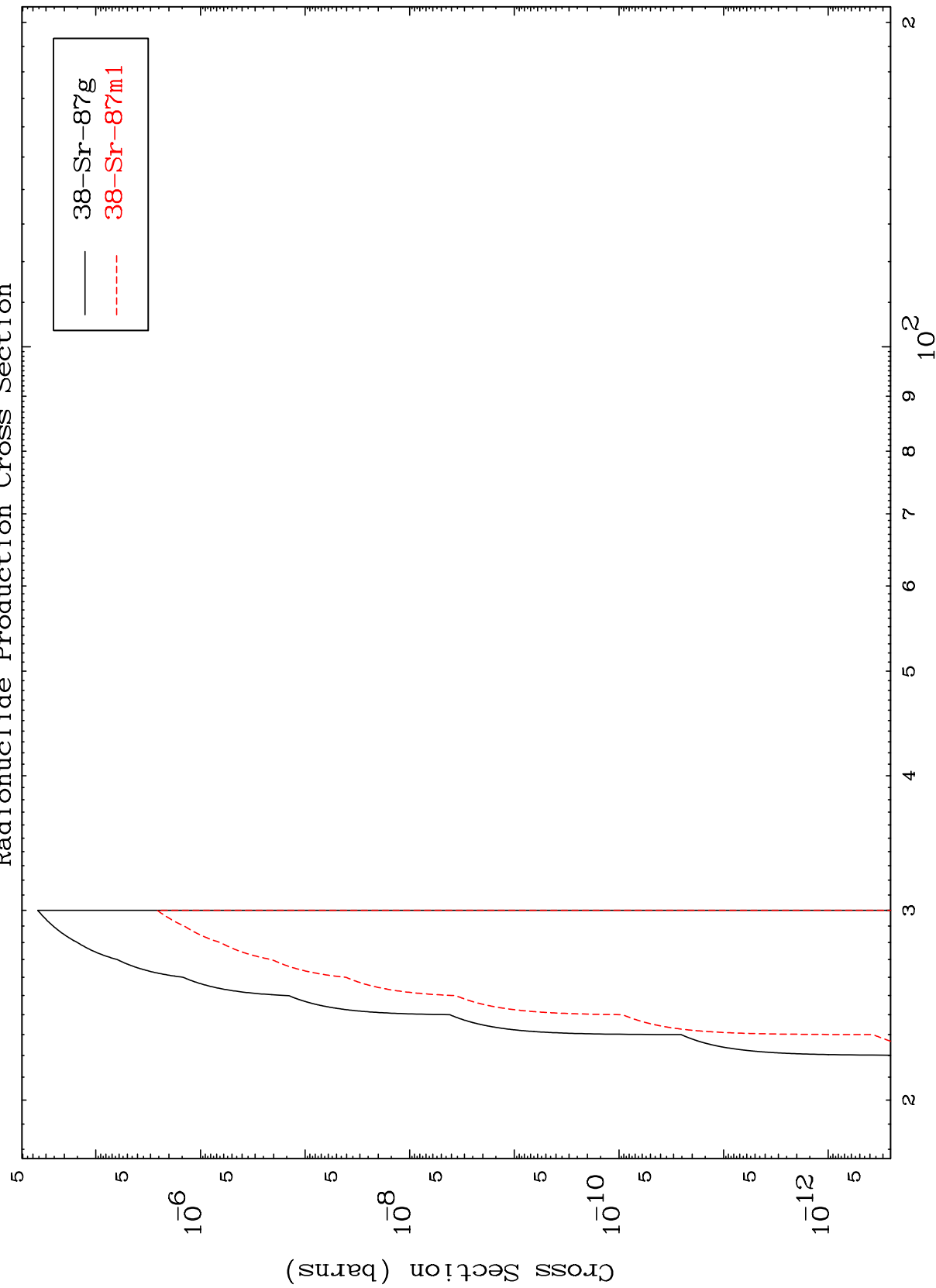
40-Zr-90

MAT 4025

(n,p) t

40-Zr-90

Radionuclide Production Cross Section



135

Incident Energy (MeV)

40-Zr-90