

Program EVALPLOT
(Version 2015-2)

by

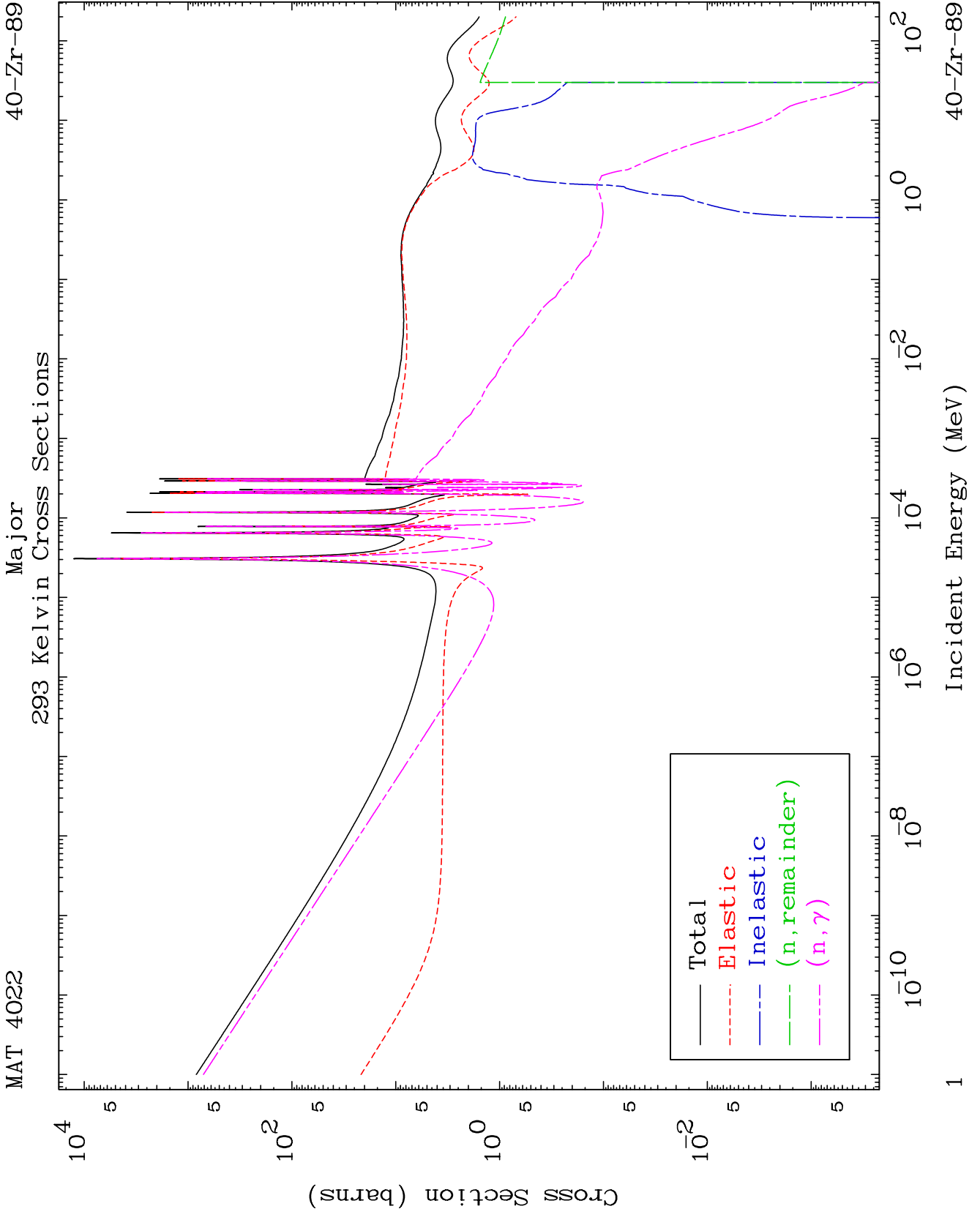
Dermott E. Cullen
(Present Contact Information)

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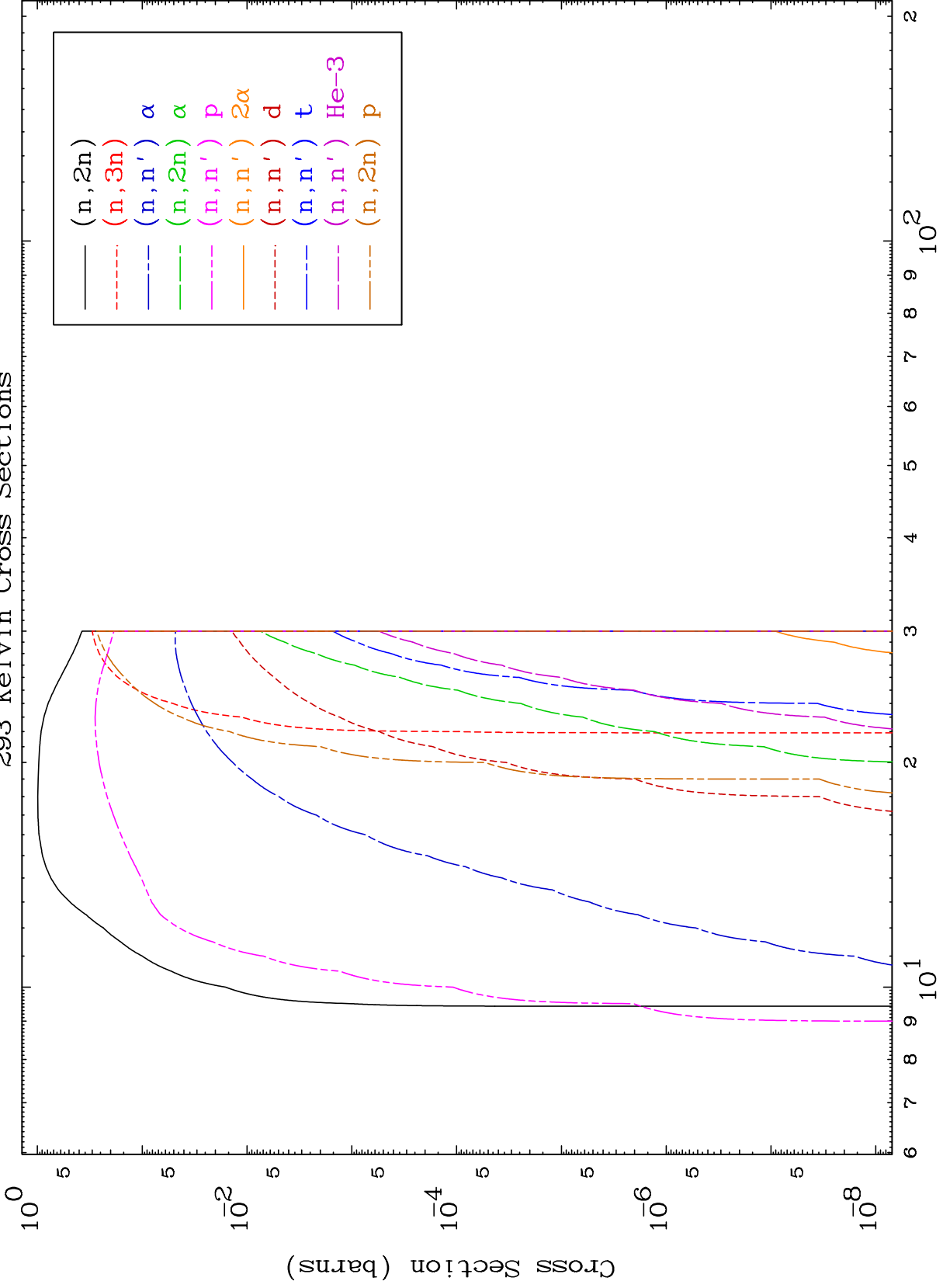
Press Mouse Button to Start



MAT 4022

Neutron Production
293 Kelvin Cross Sections

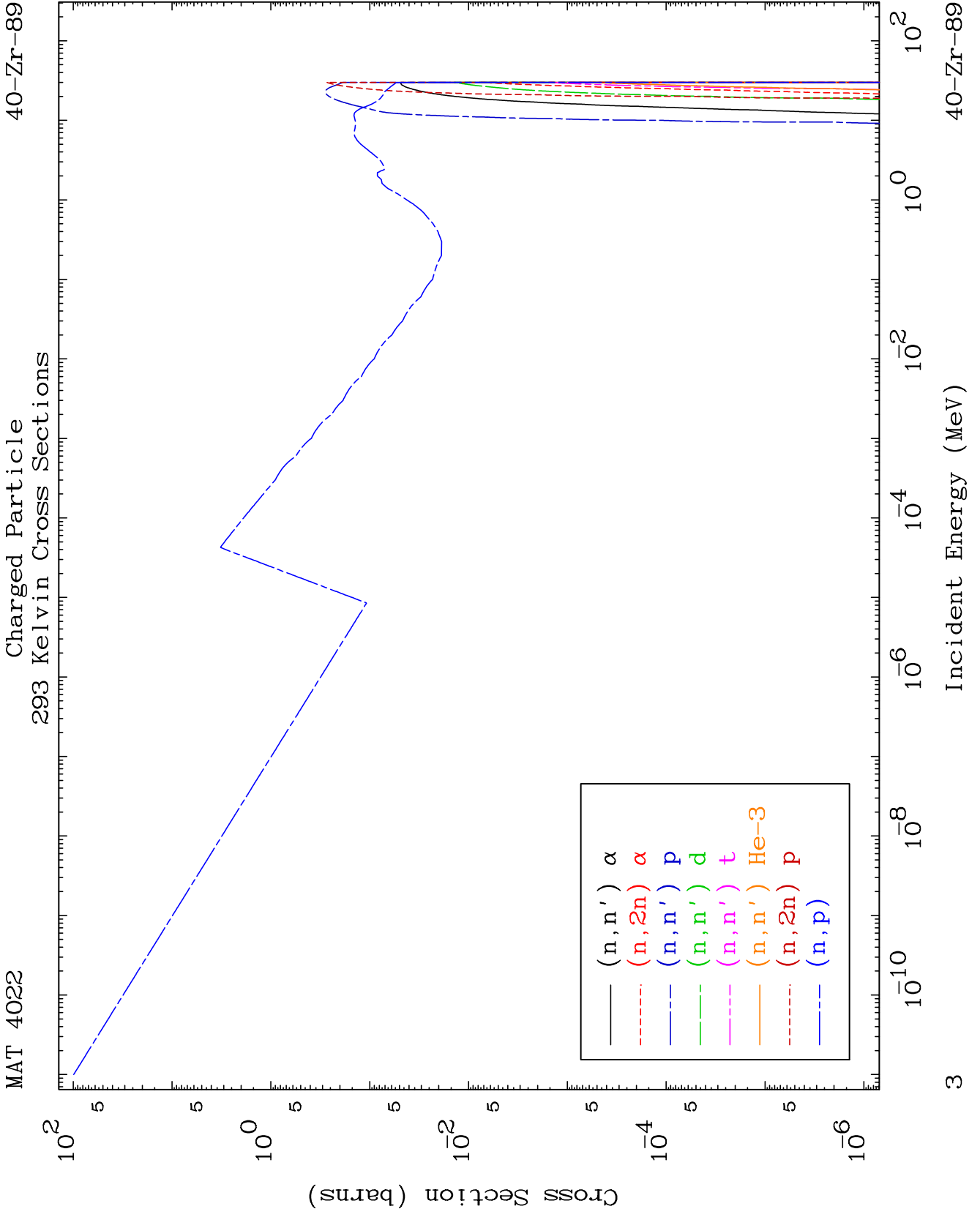
40-Zr-89



2

Incident Energy (MeV)

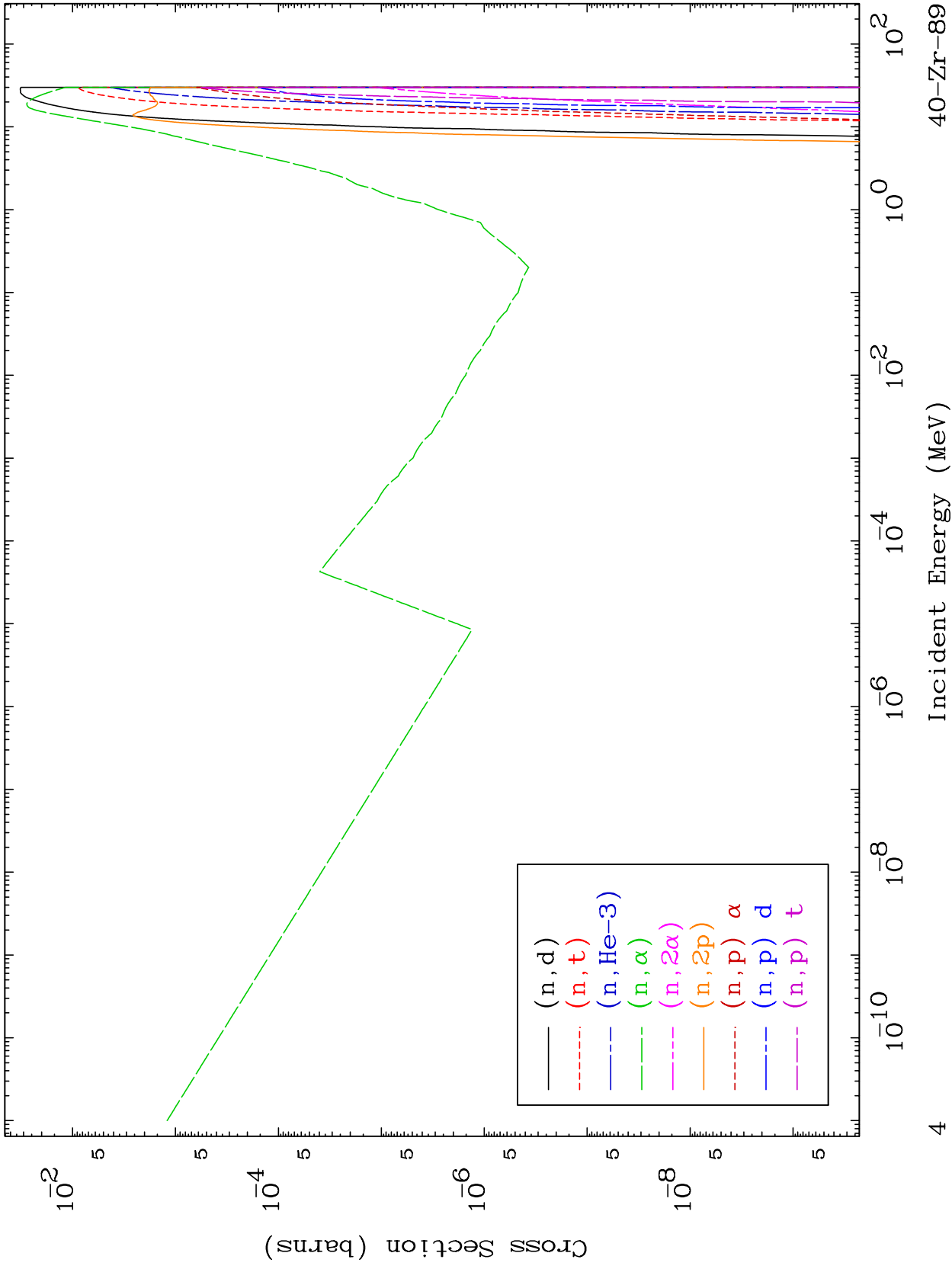
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MAT 4022

Charged Particle
293 Kelvin Cross Sections

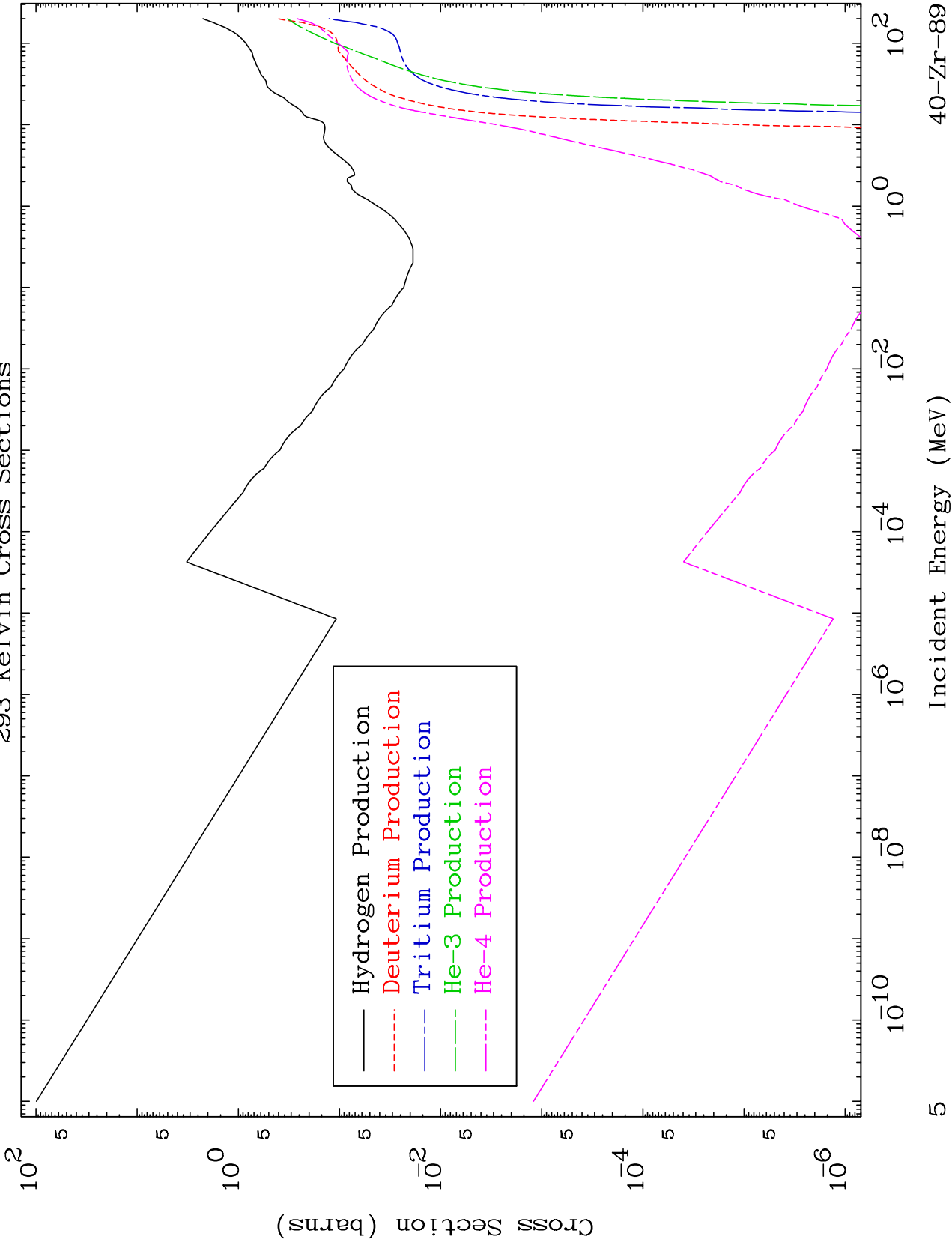
40-Zr-89



MAT 4022

Particle Production
293 Kelvin Cross Sections

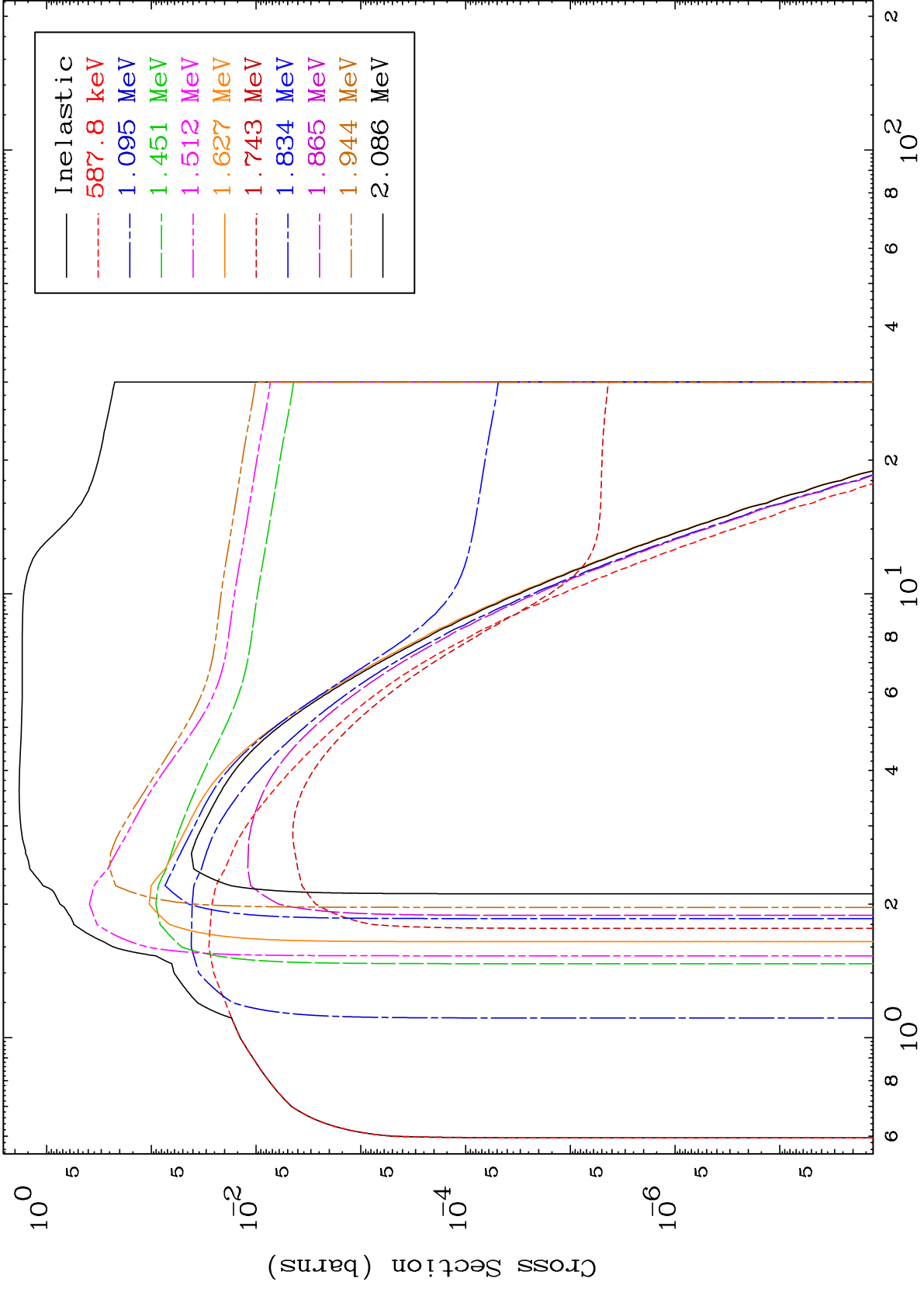
40-Zr-89



MAT 4022

(n,n') Level
293 Kelvin Cross Sections

40-Zr-89



6

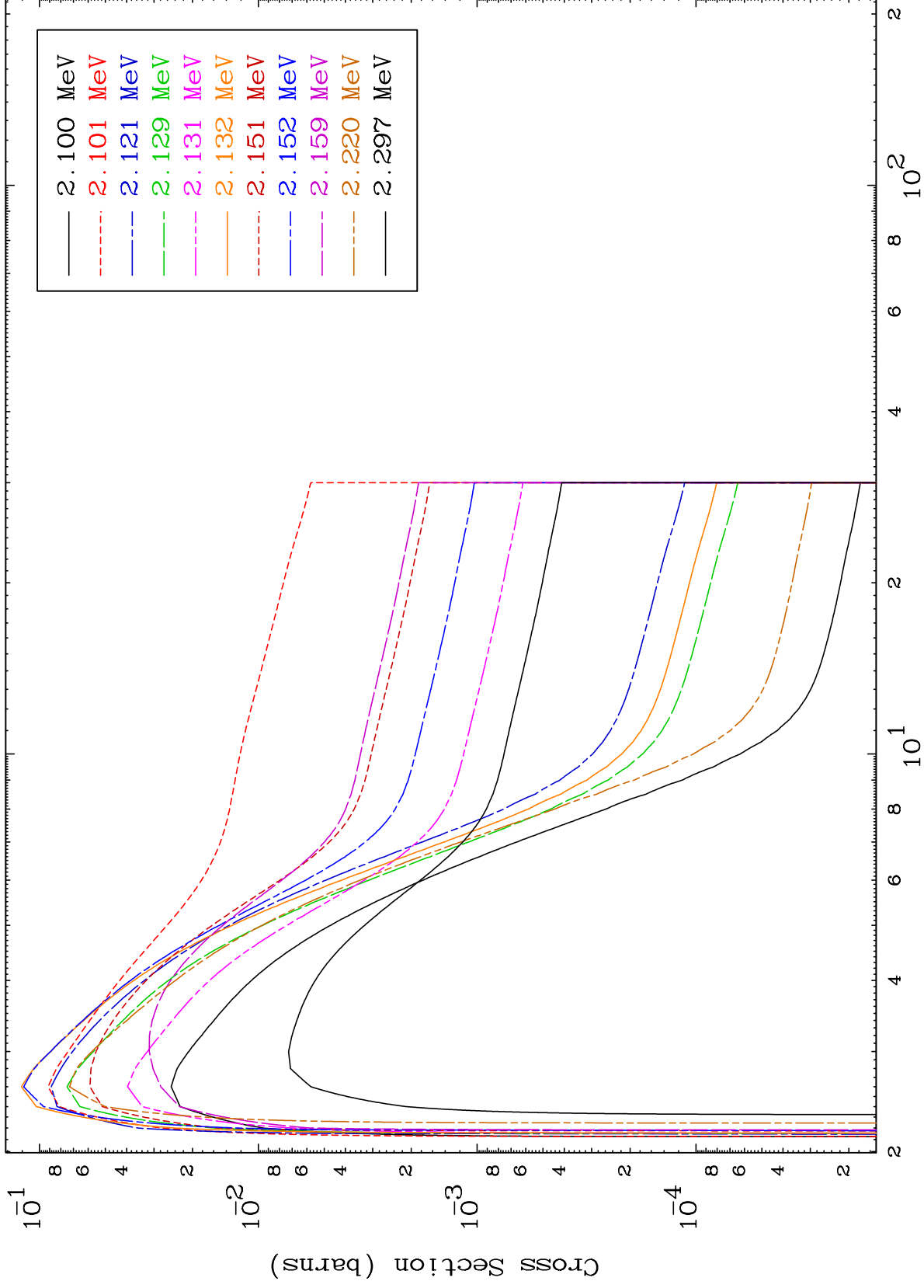
Incident Energy (MeV)

40-Zr-89

MAT 4022

(n,n') Level
293 Kelvin Cross Sections

40-Zr-89

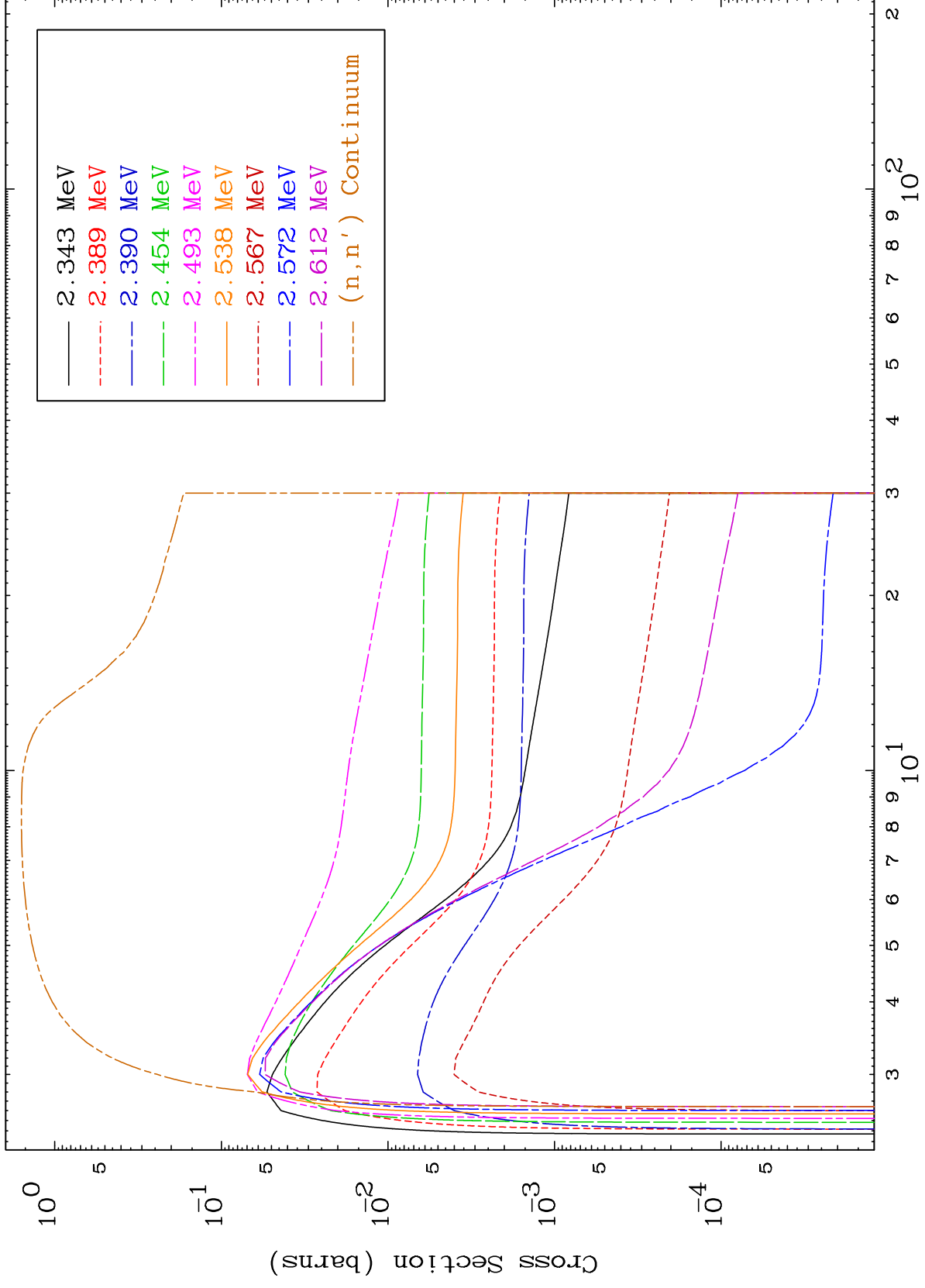


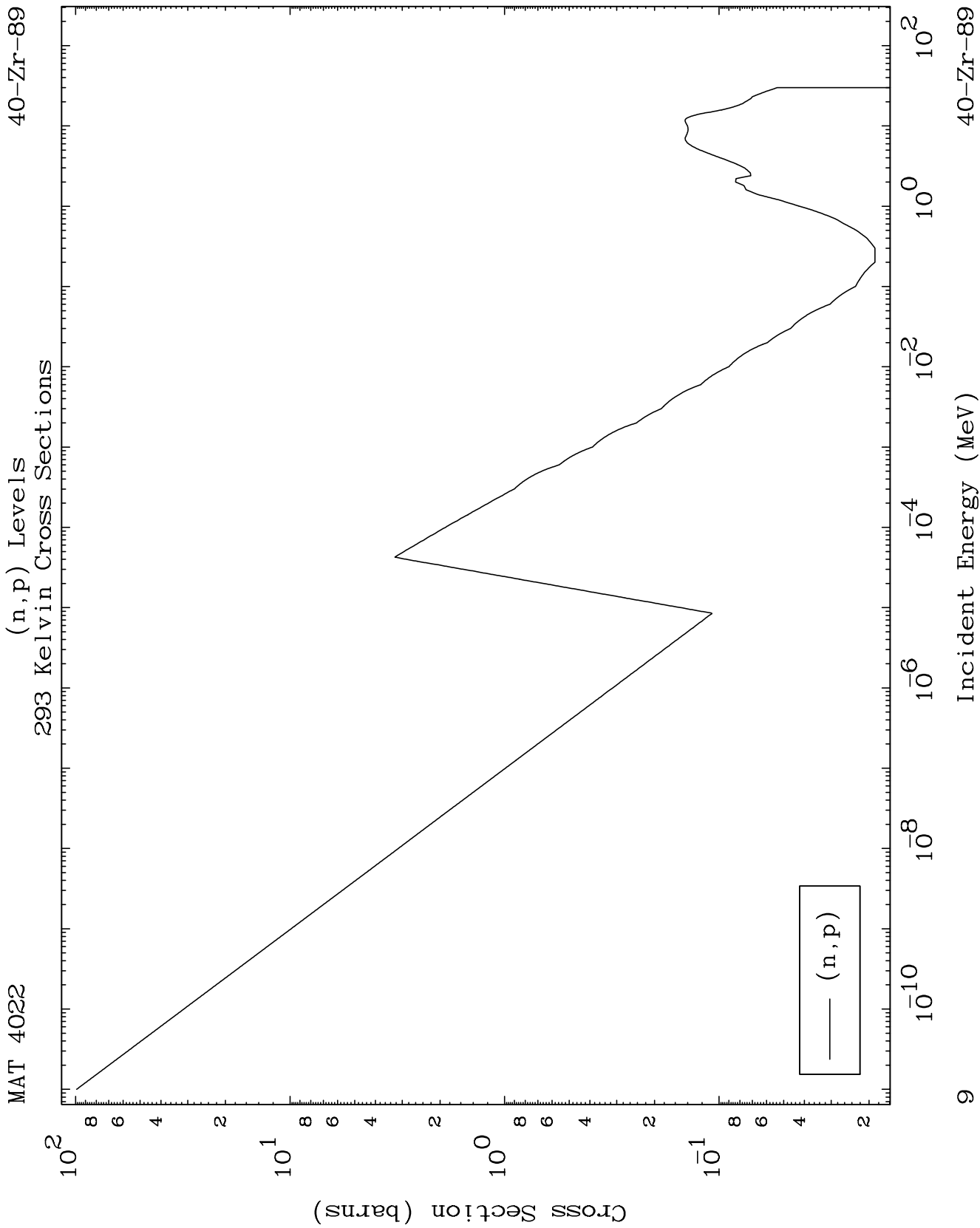
7

Incident Energy (MeV)

40-Zr-89

293 Kelvin Cross Sections

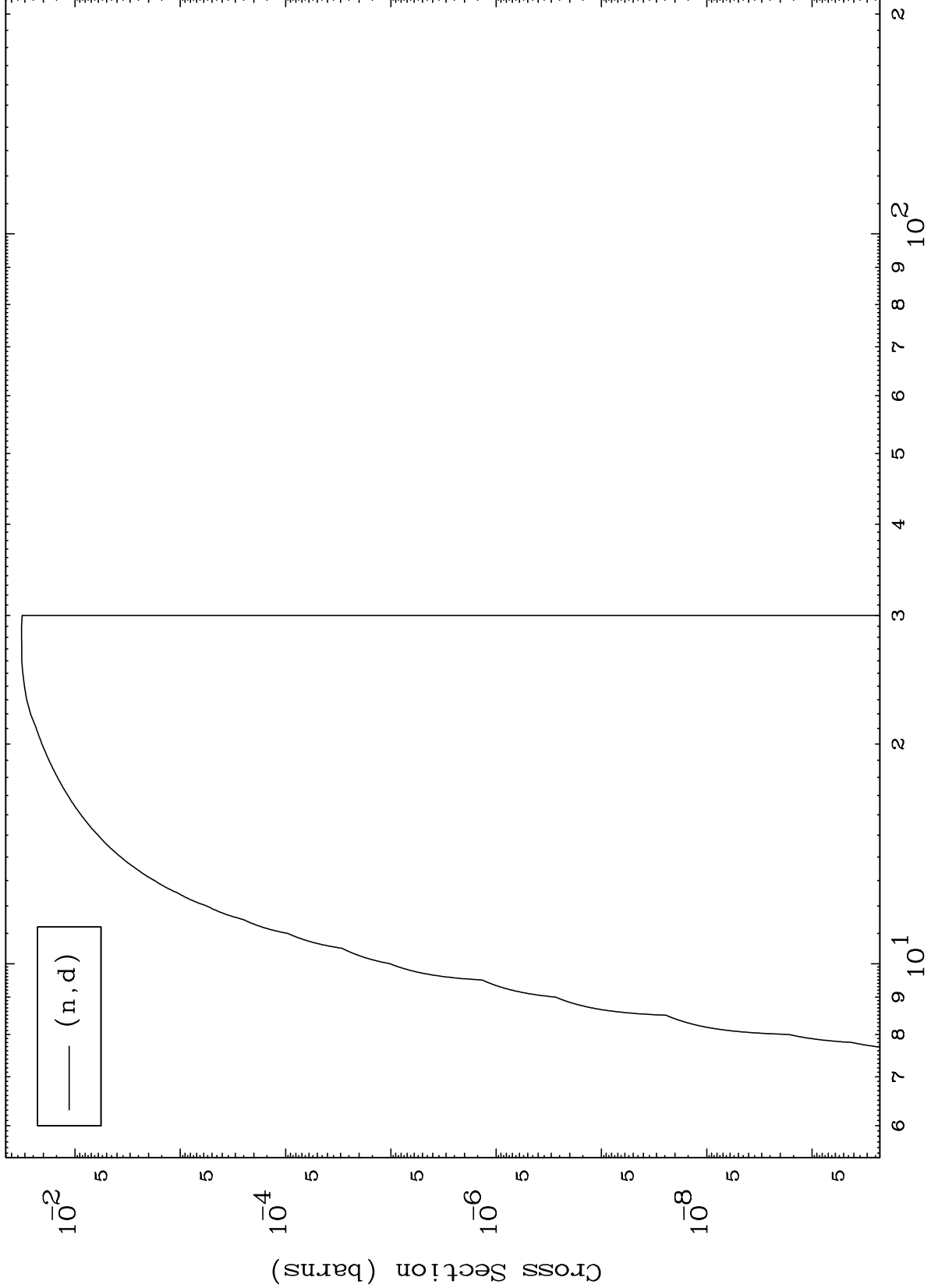




MAT 4022

(n,d) Levels
293 Kelvin Cross Sections

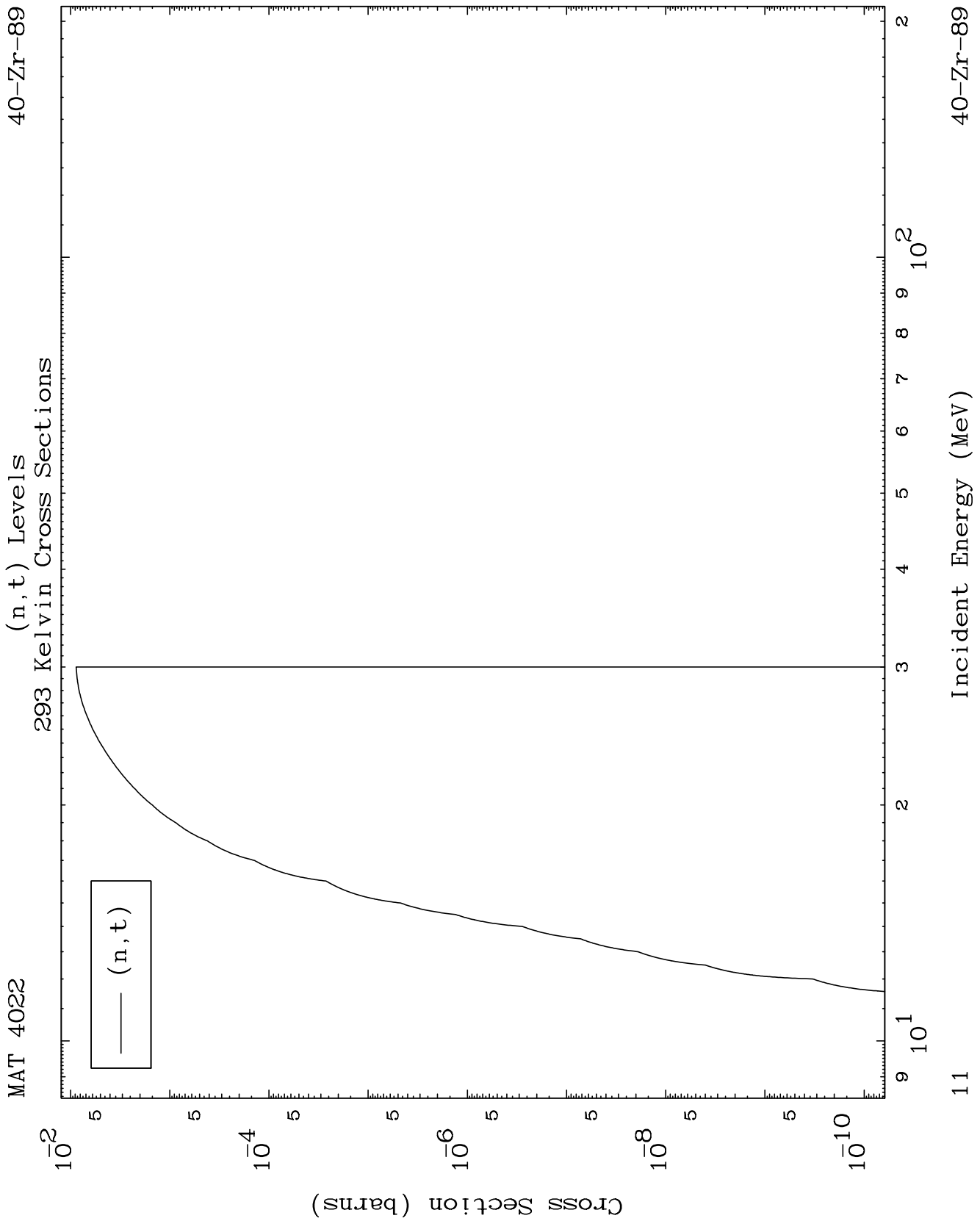
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10

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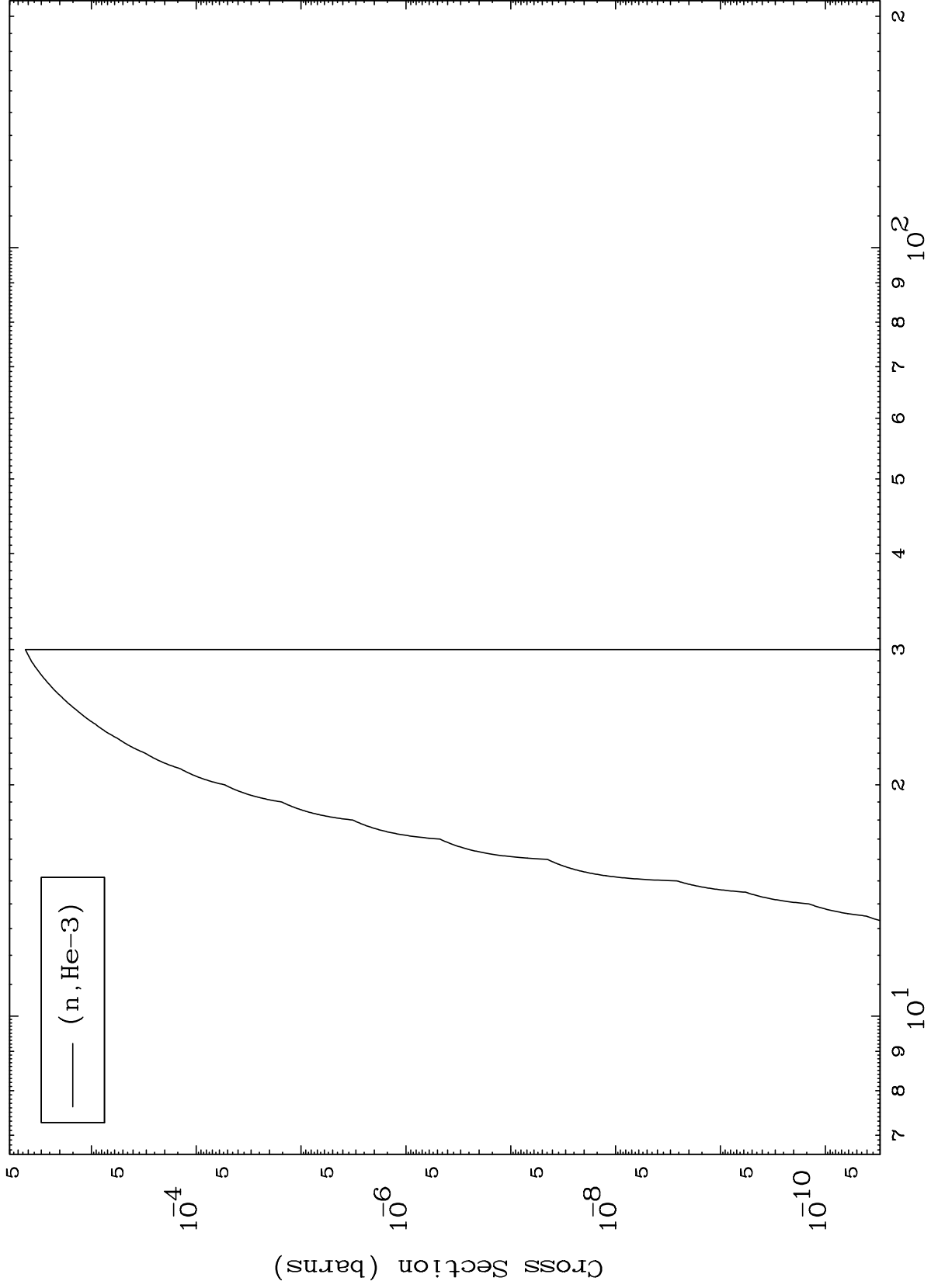
40-Zr-89



MAT 4022

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-89



12

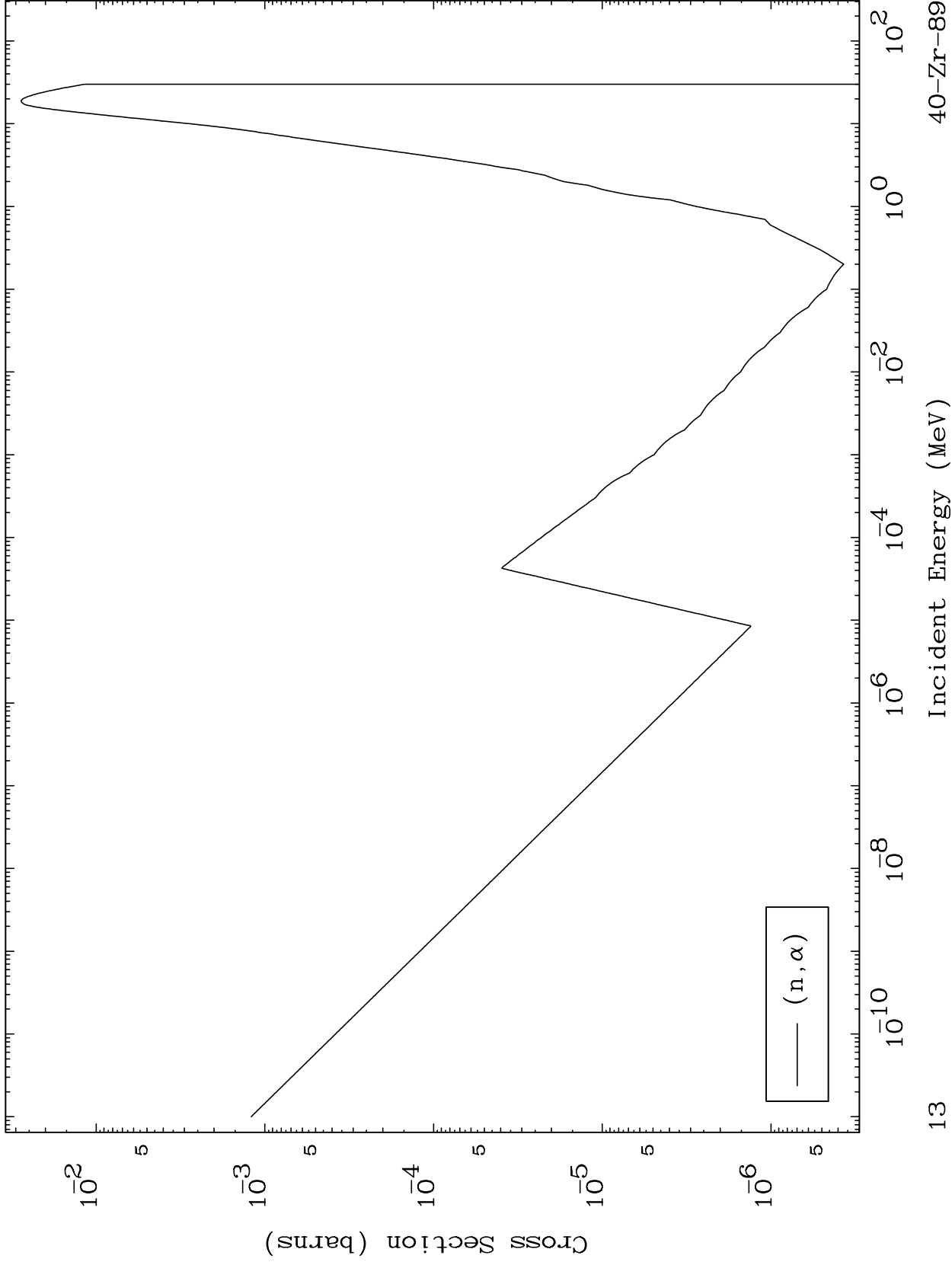
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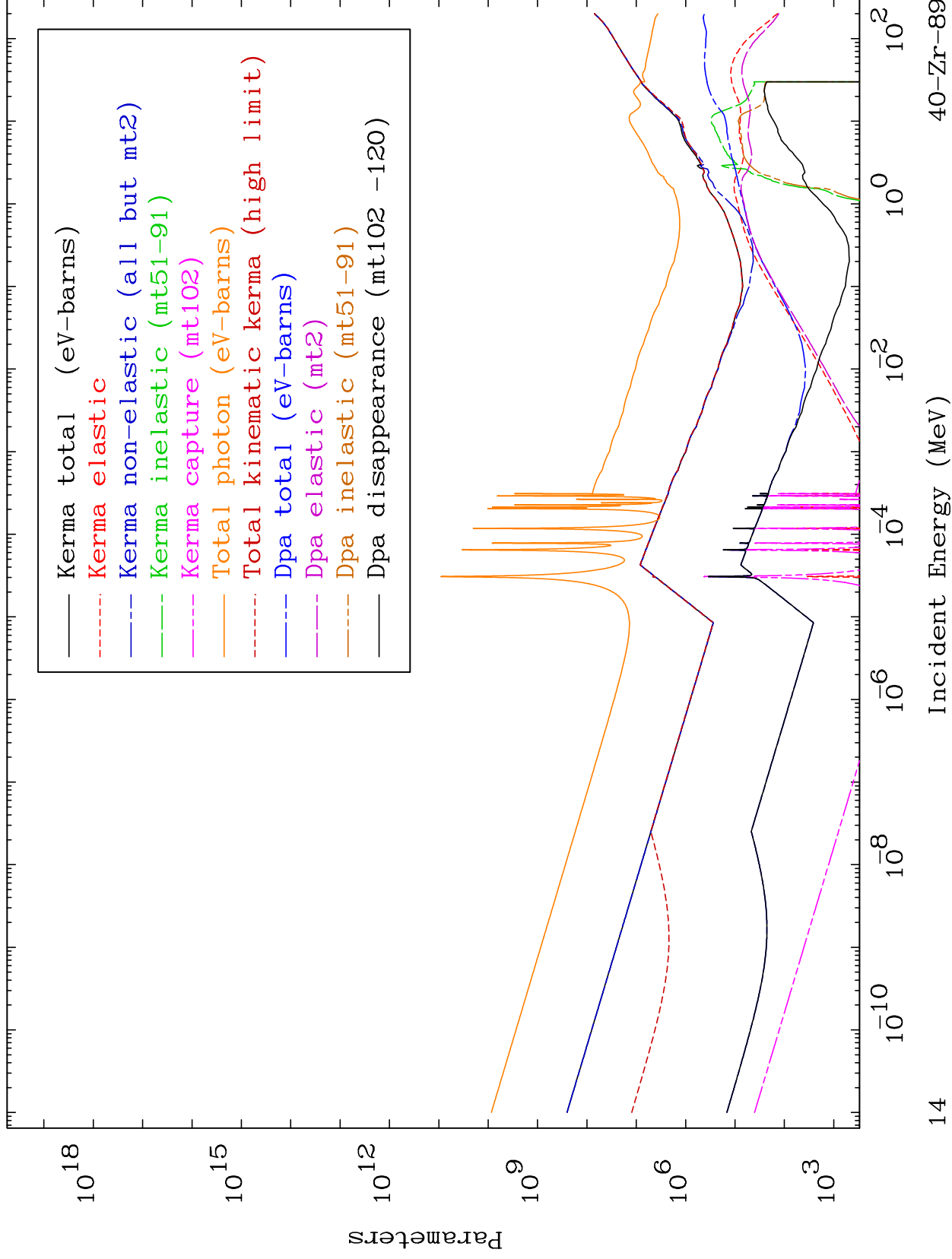
40-Zr-89

MAT 4022

(n, α) Levels
293 Kelvin Cross Sections

40-Zr-89

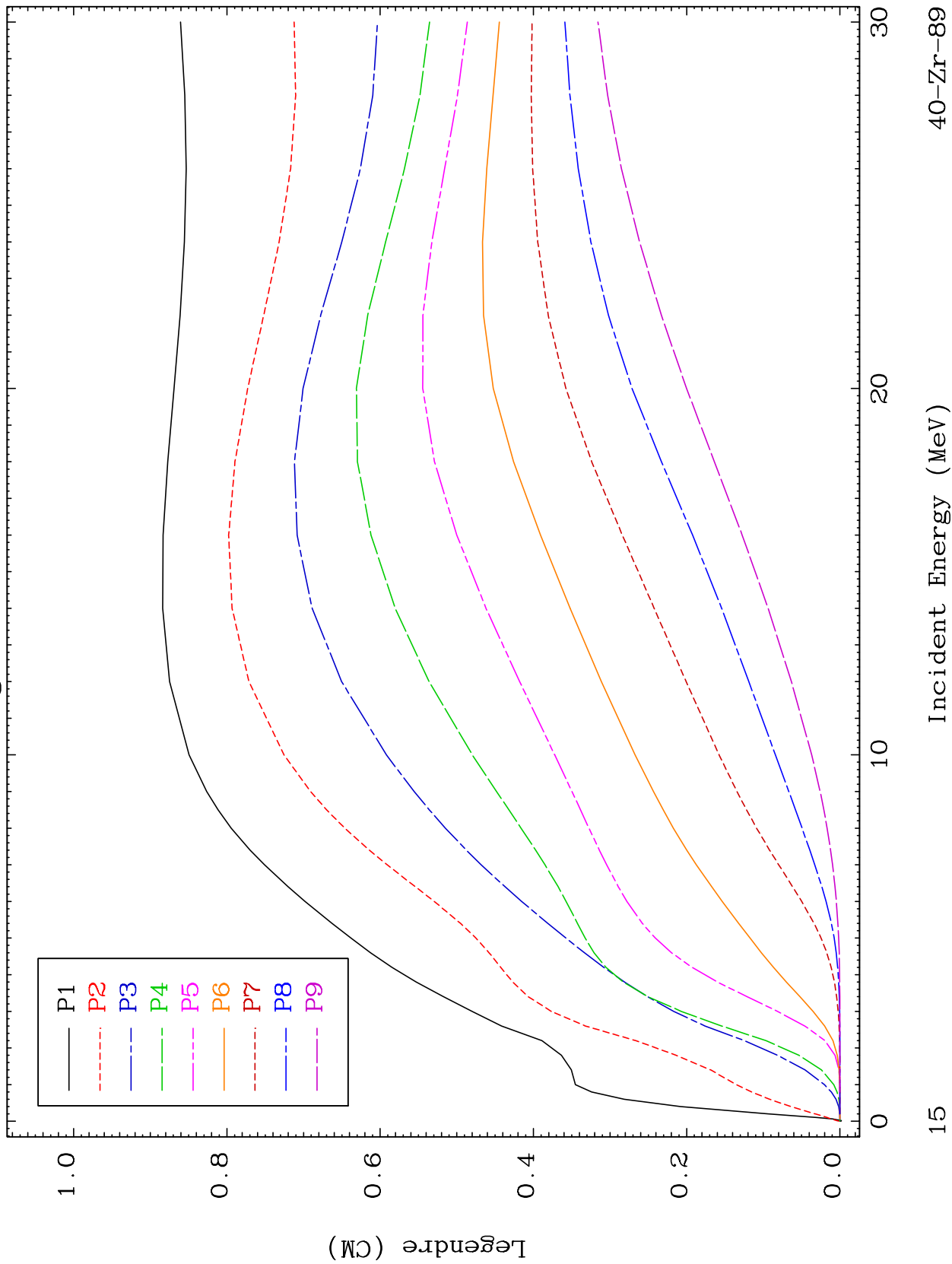




MAT 4022

Elastic Legendre Coefficients

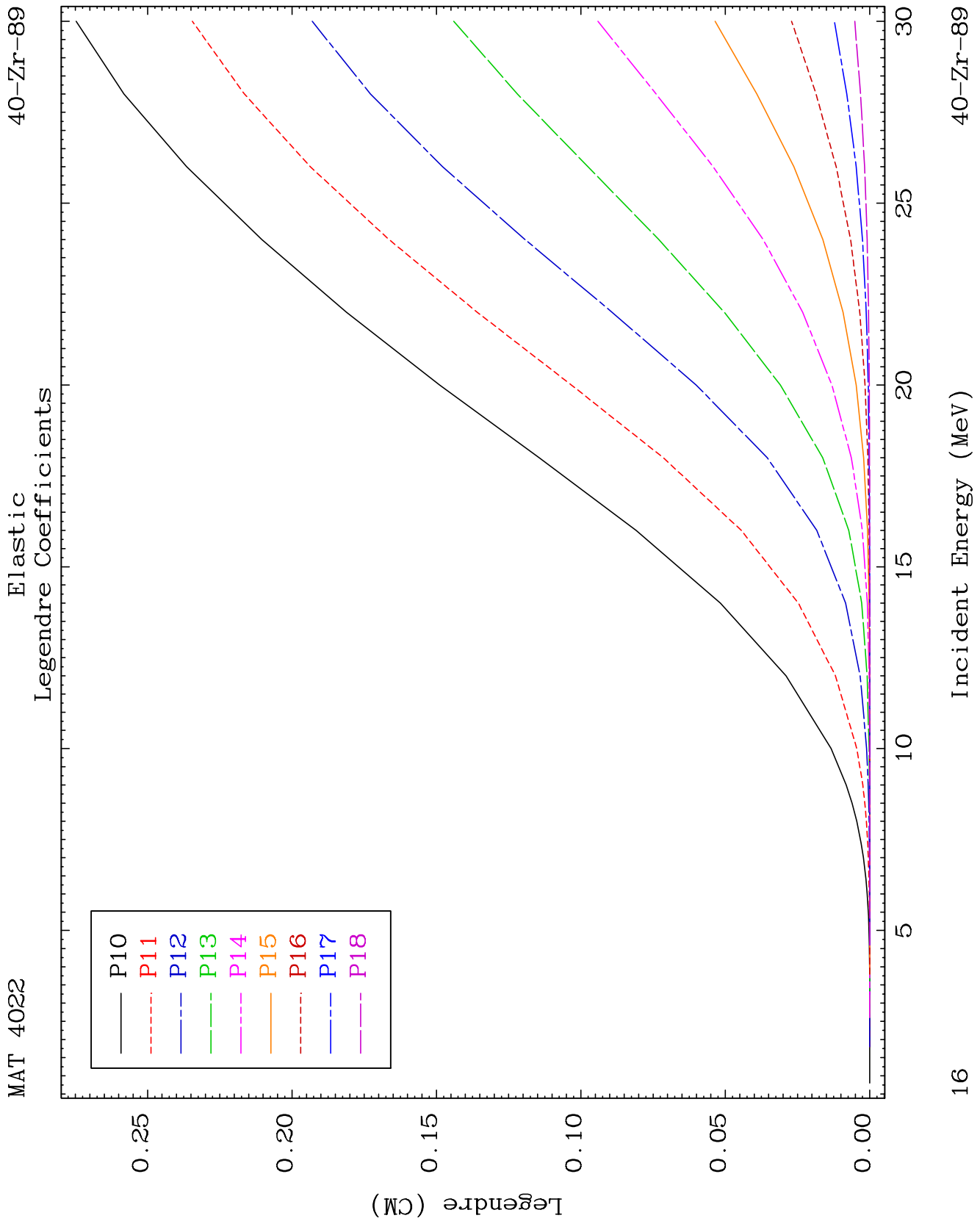
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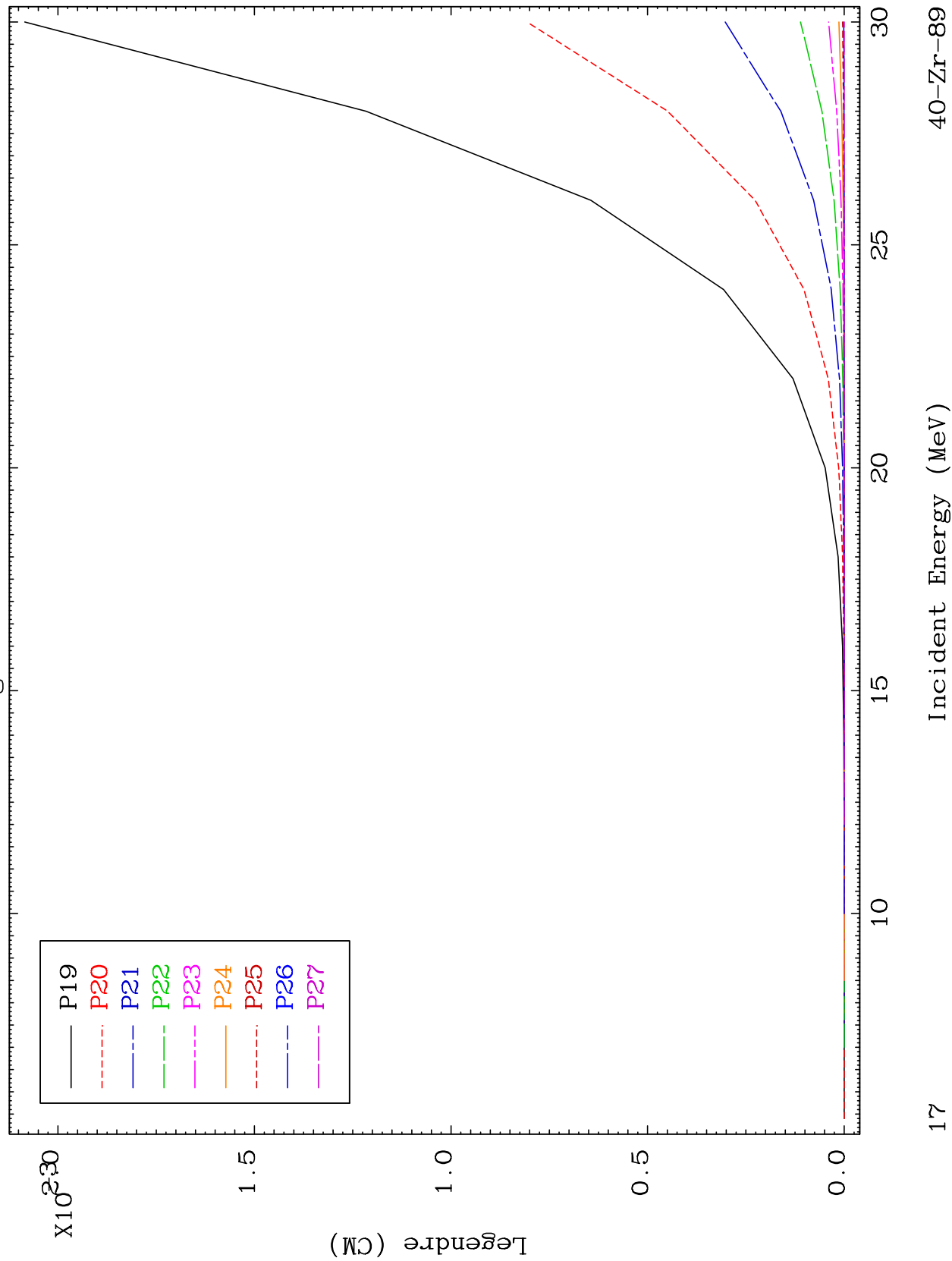
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MAT 4022

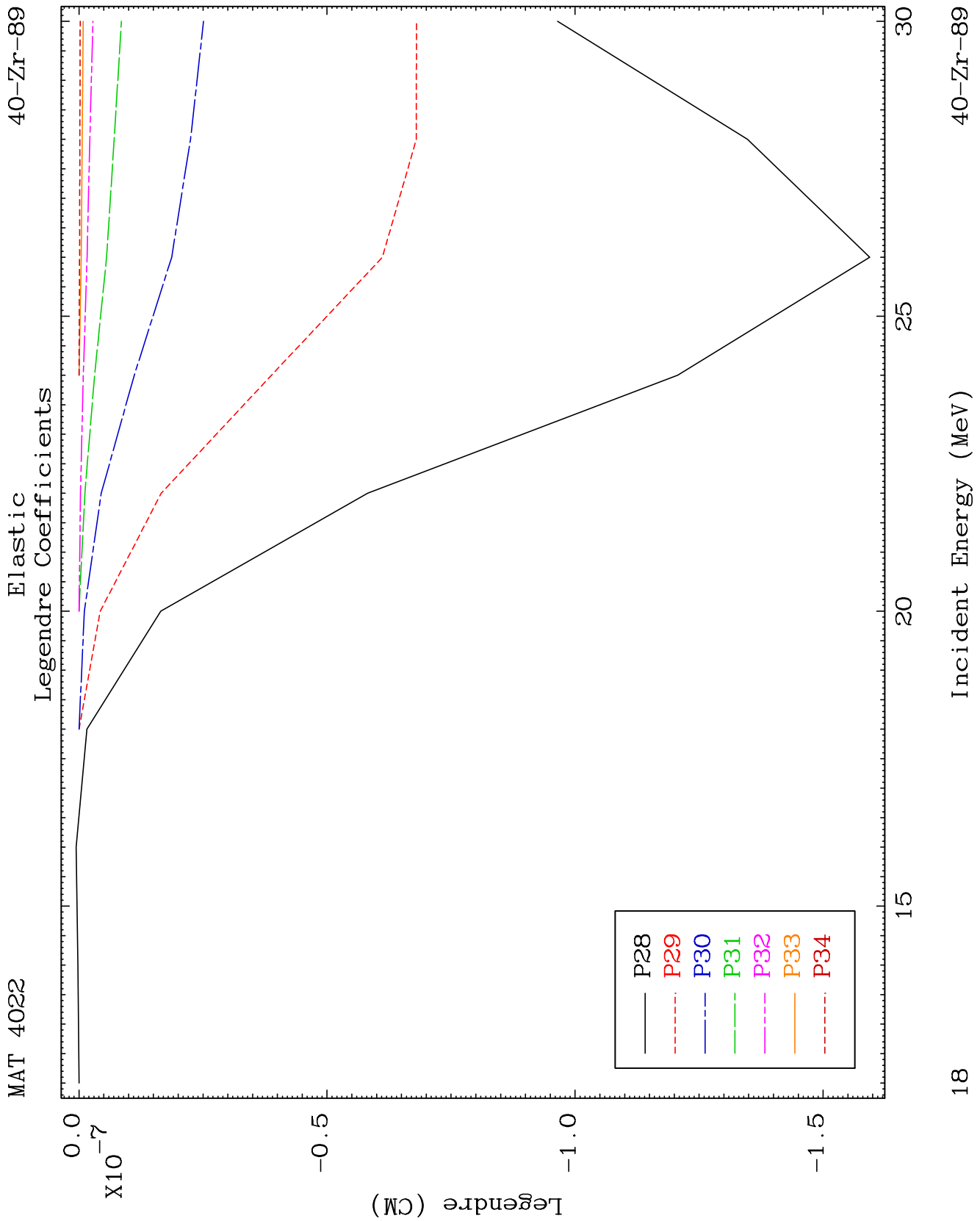
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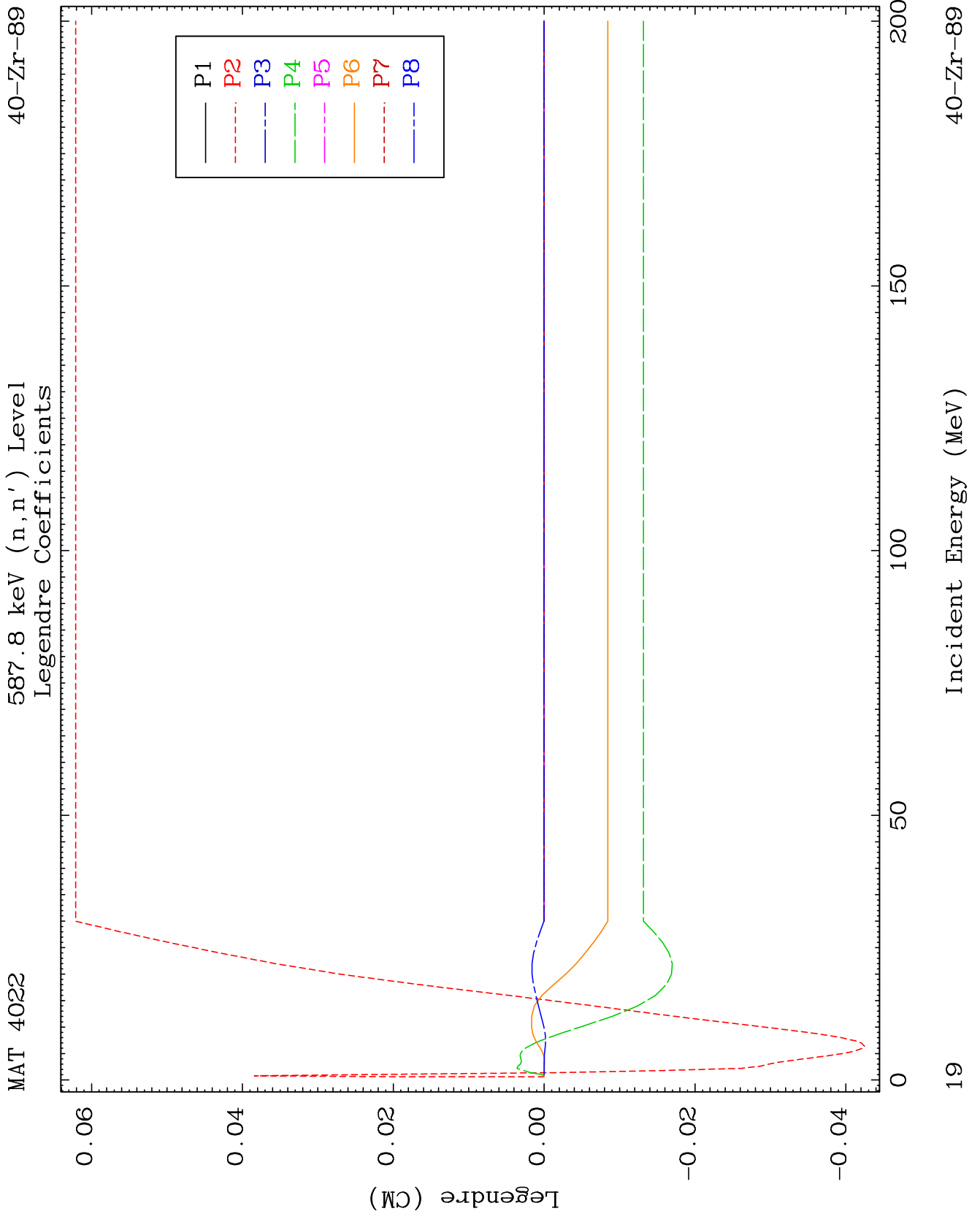
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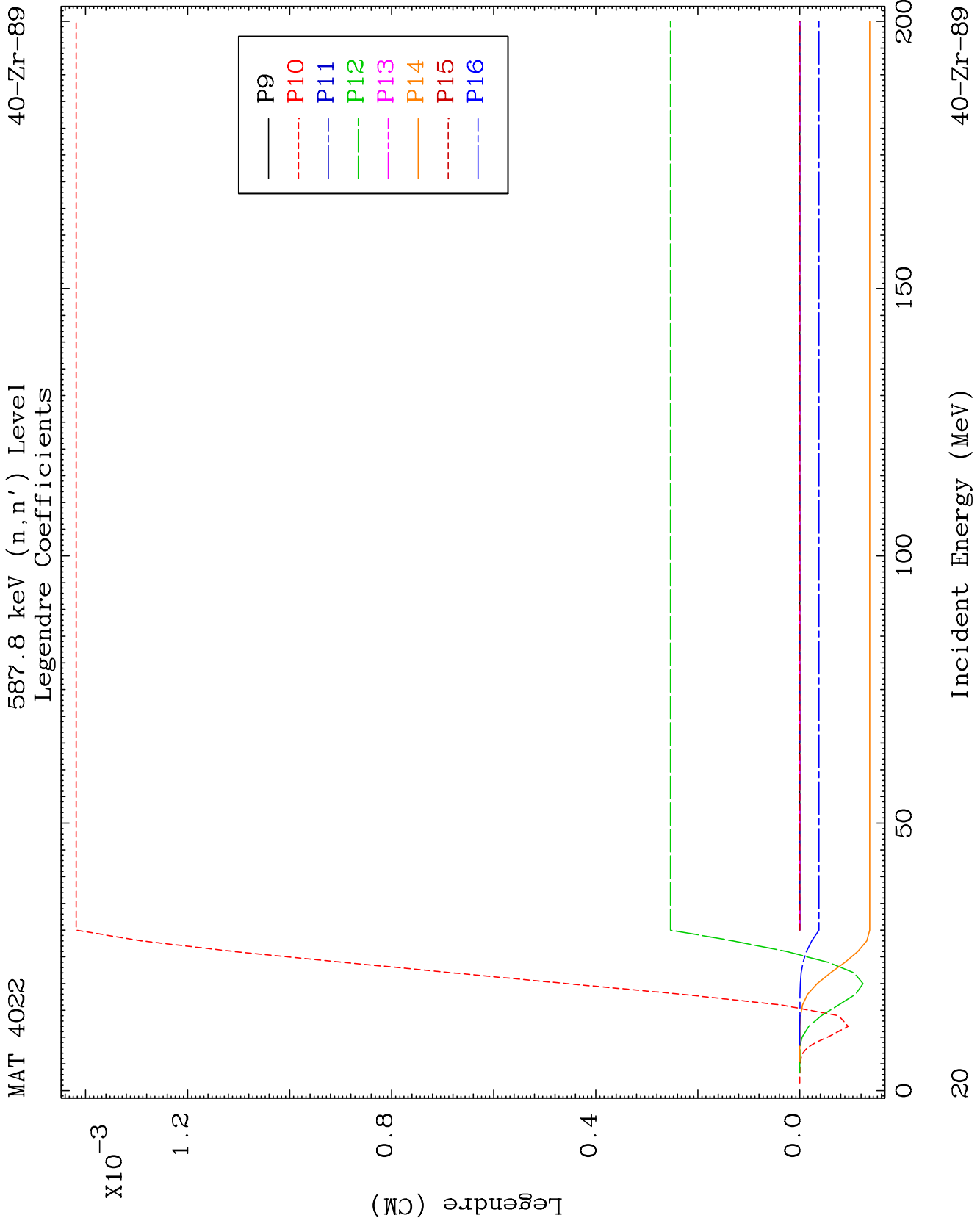


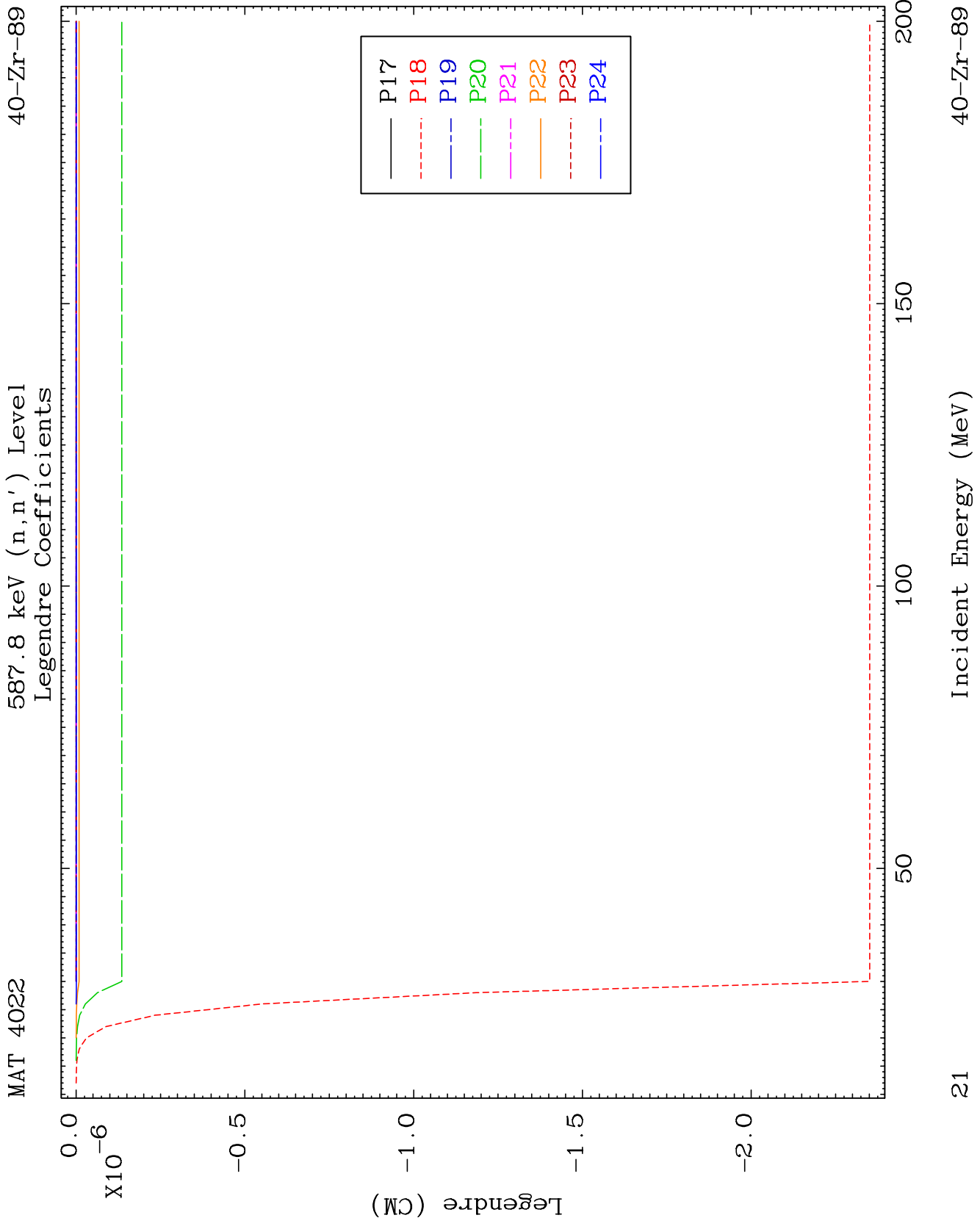
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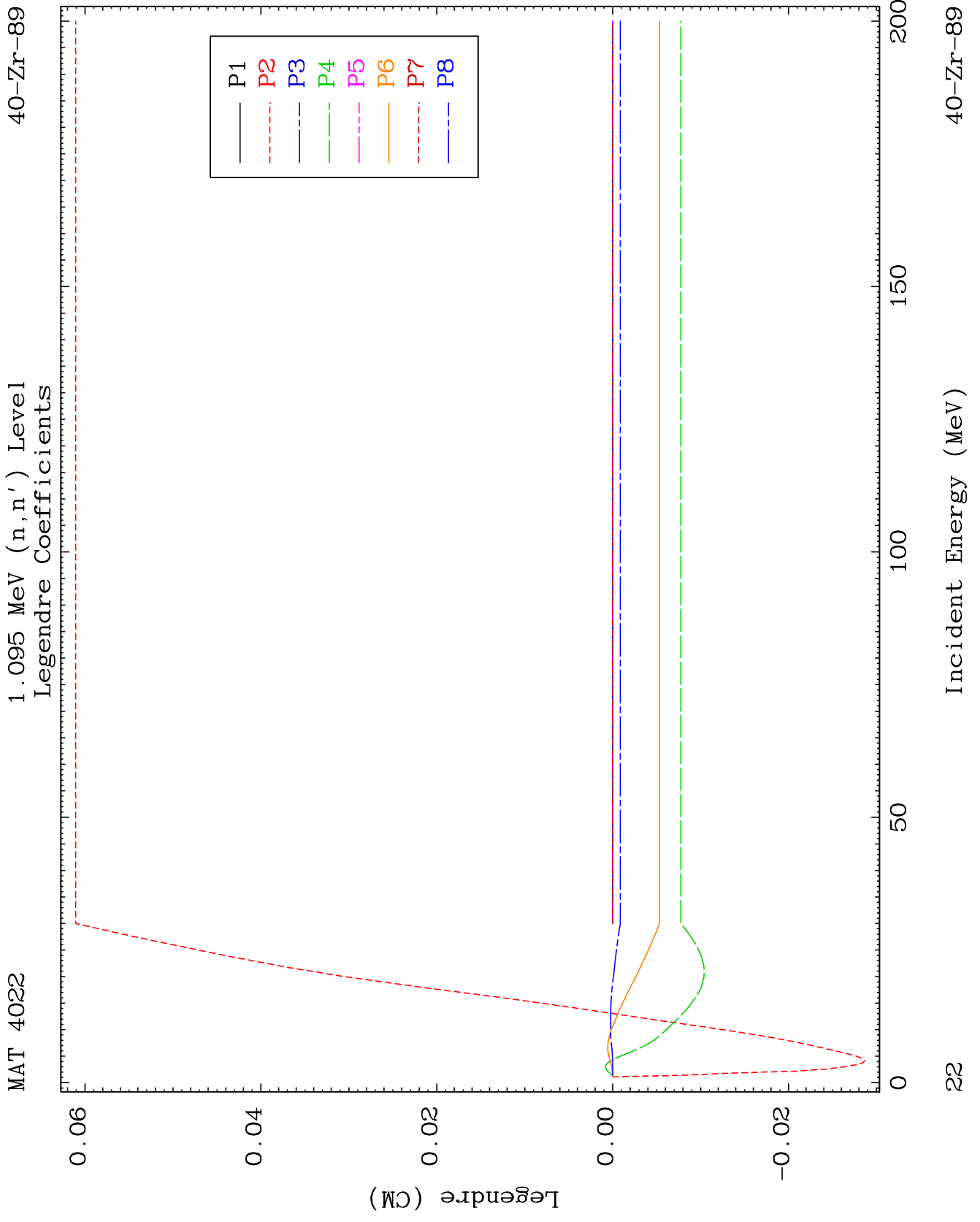
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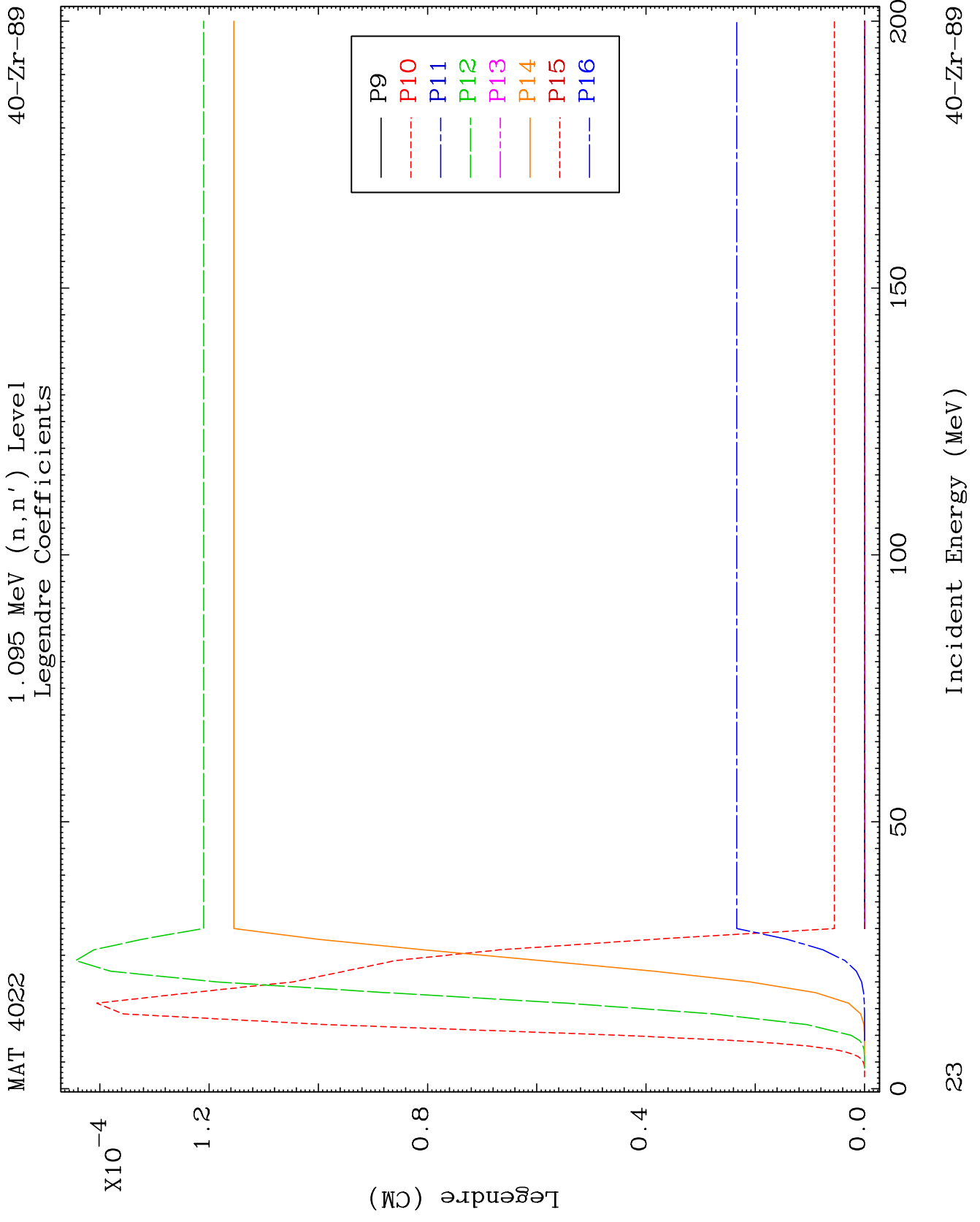


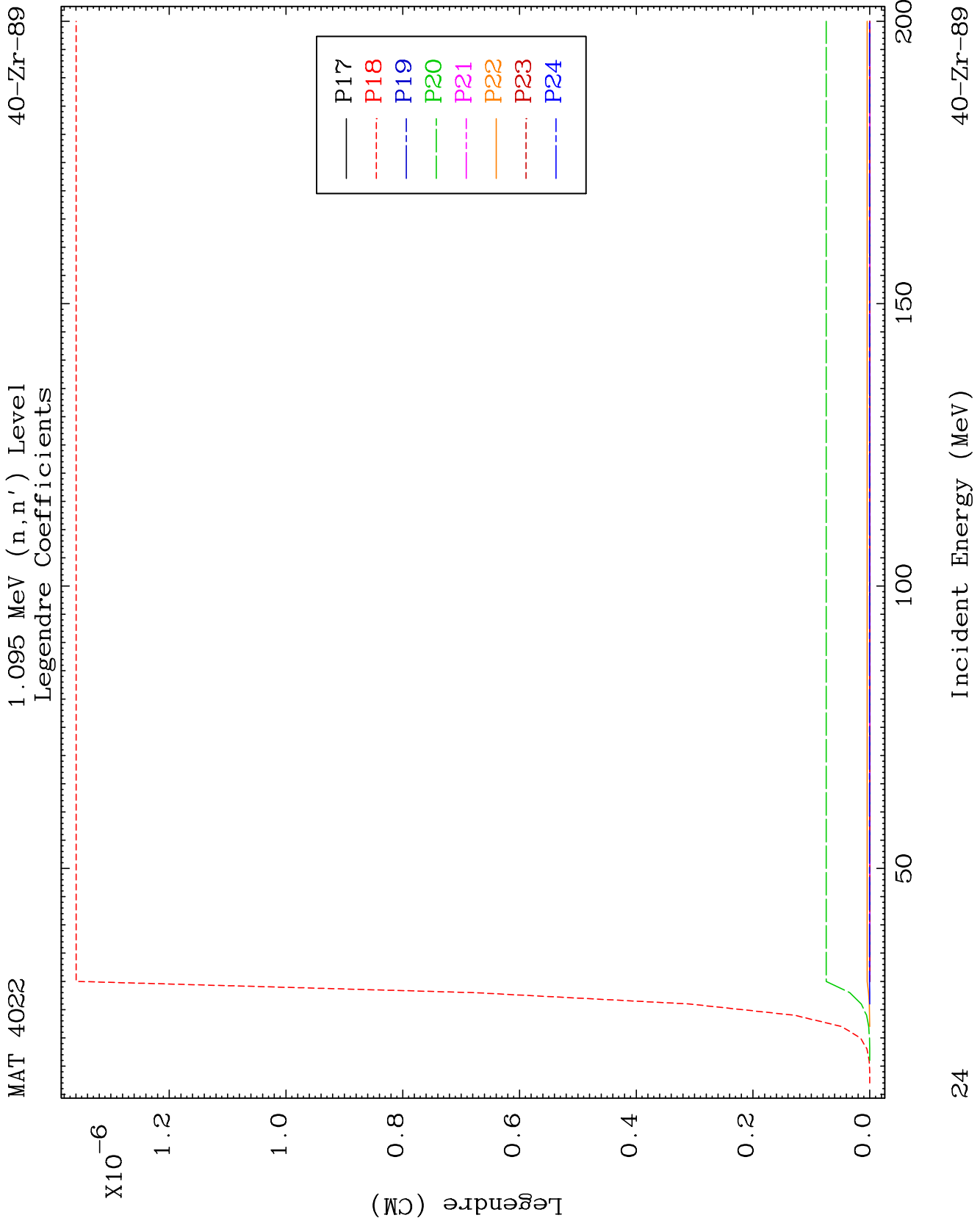


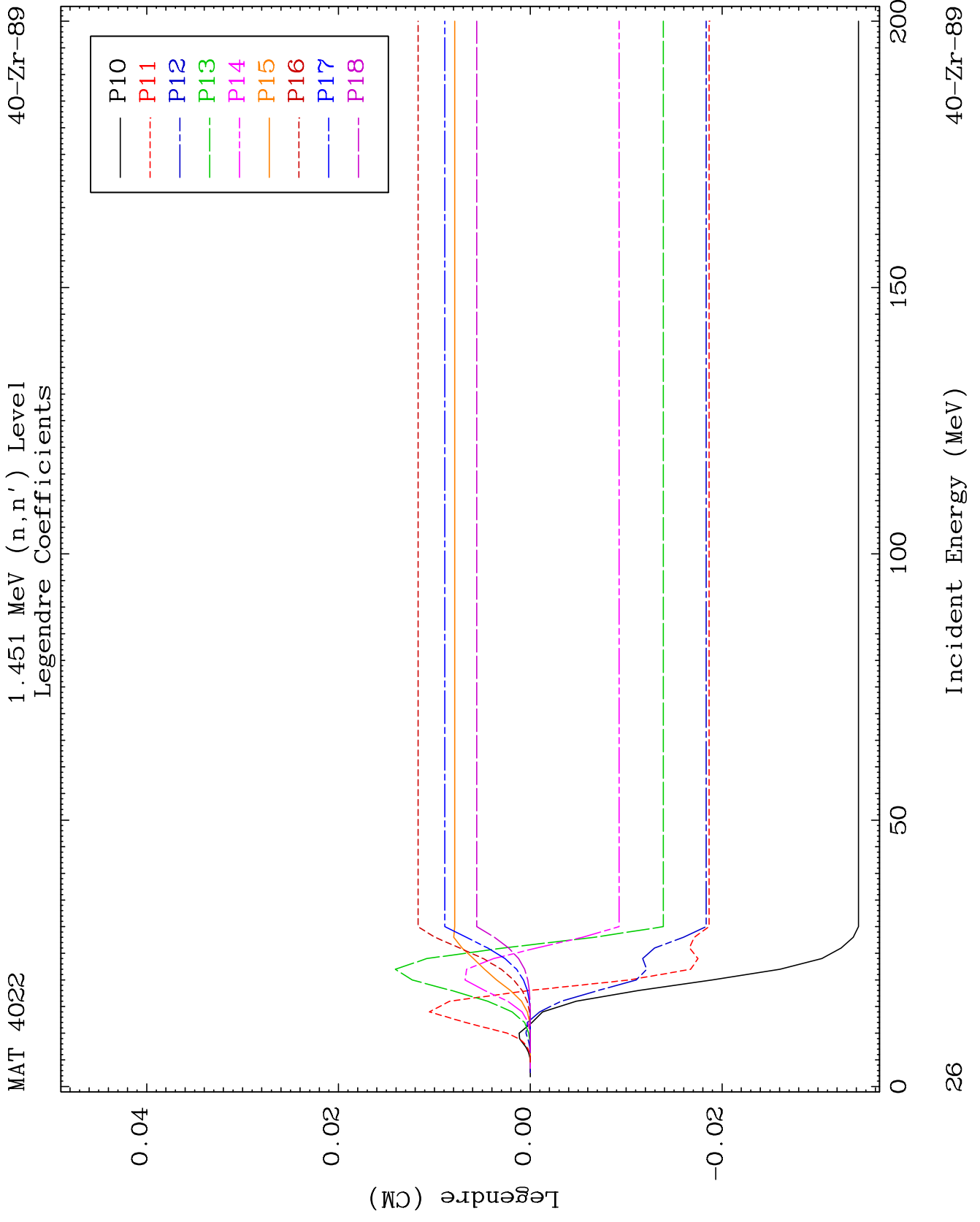


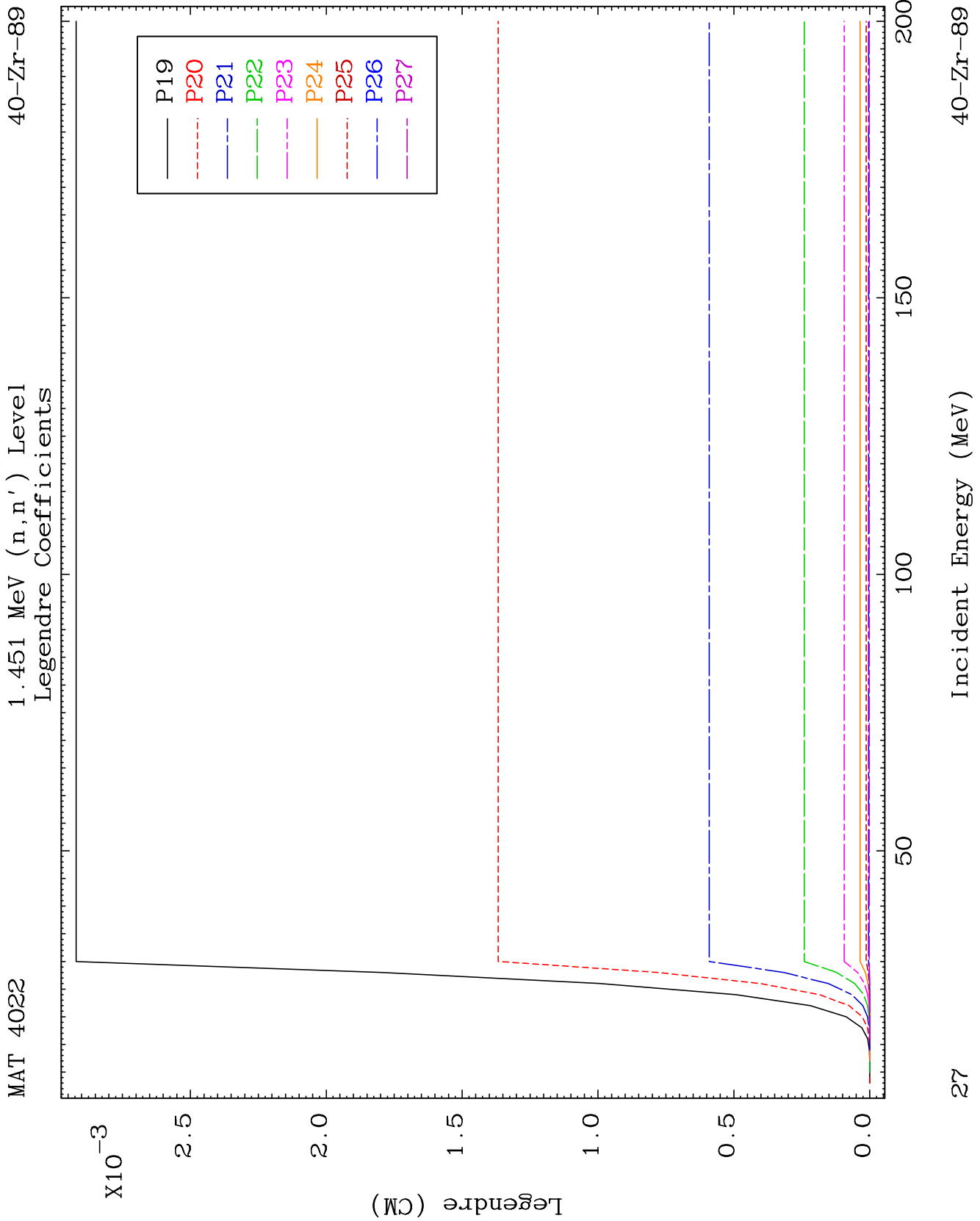


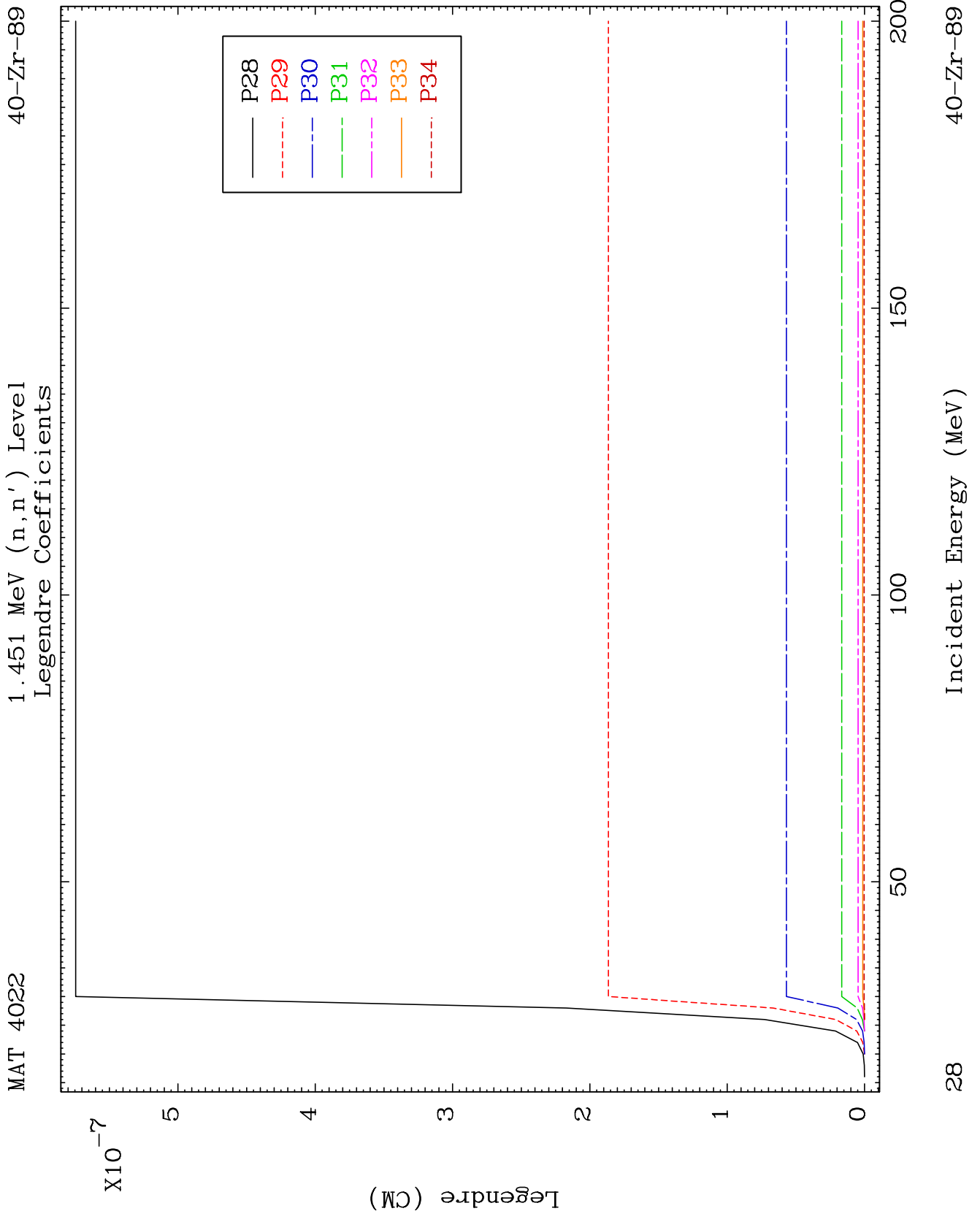


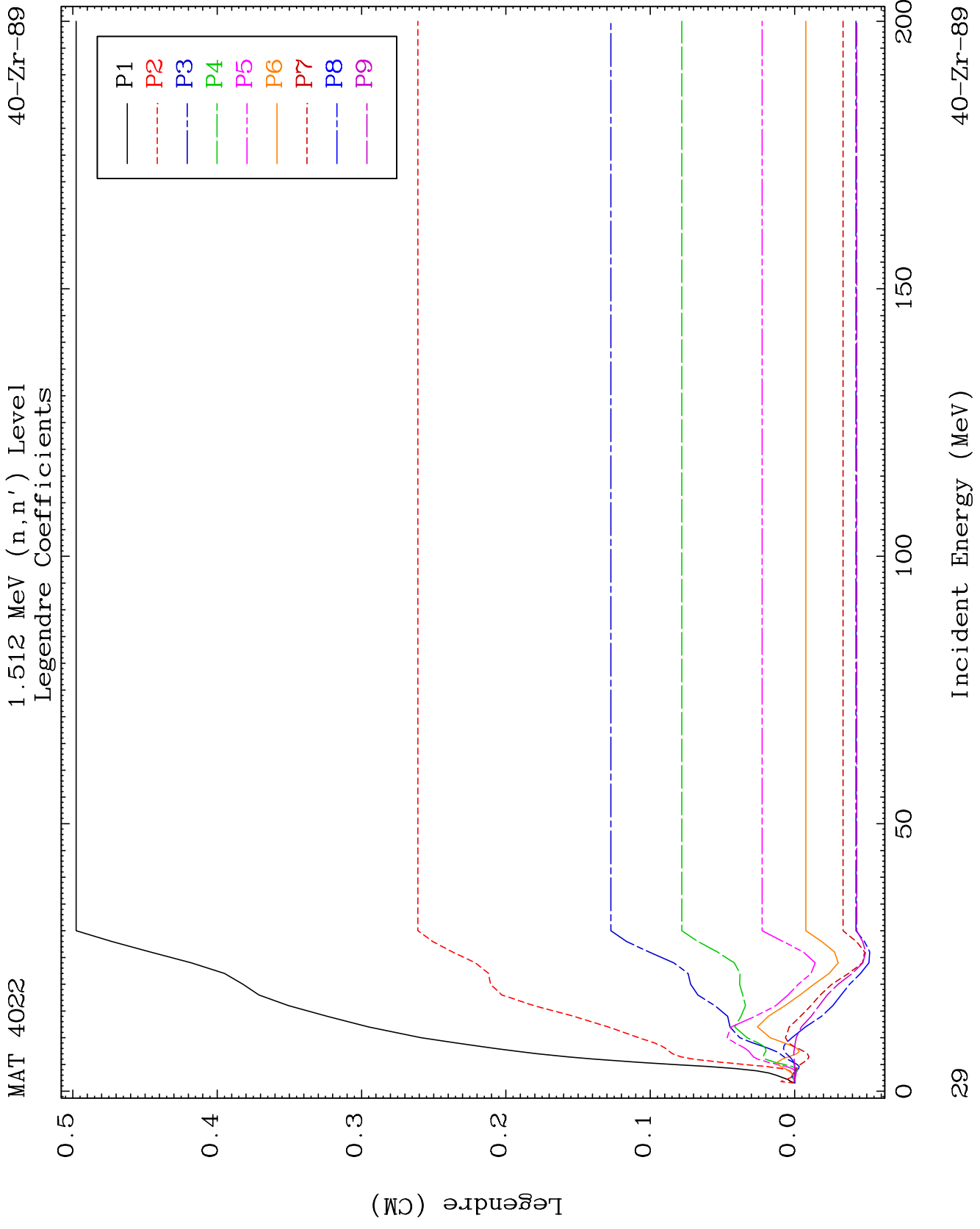


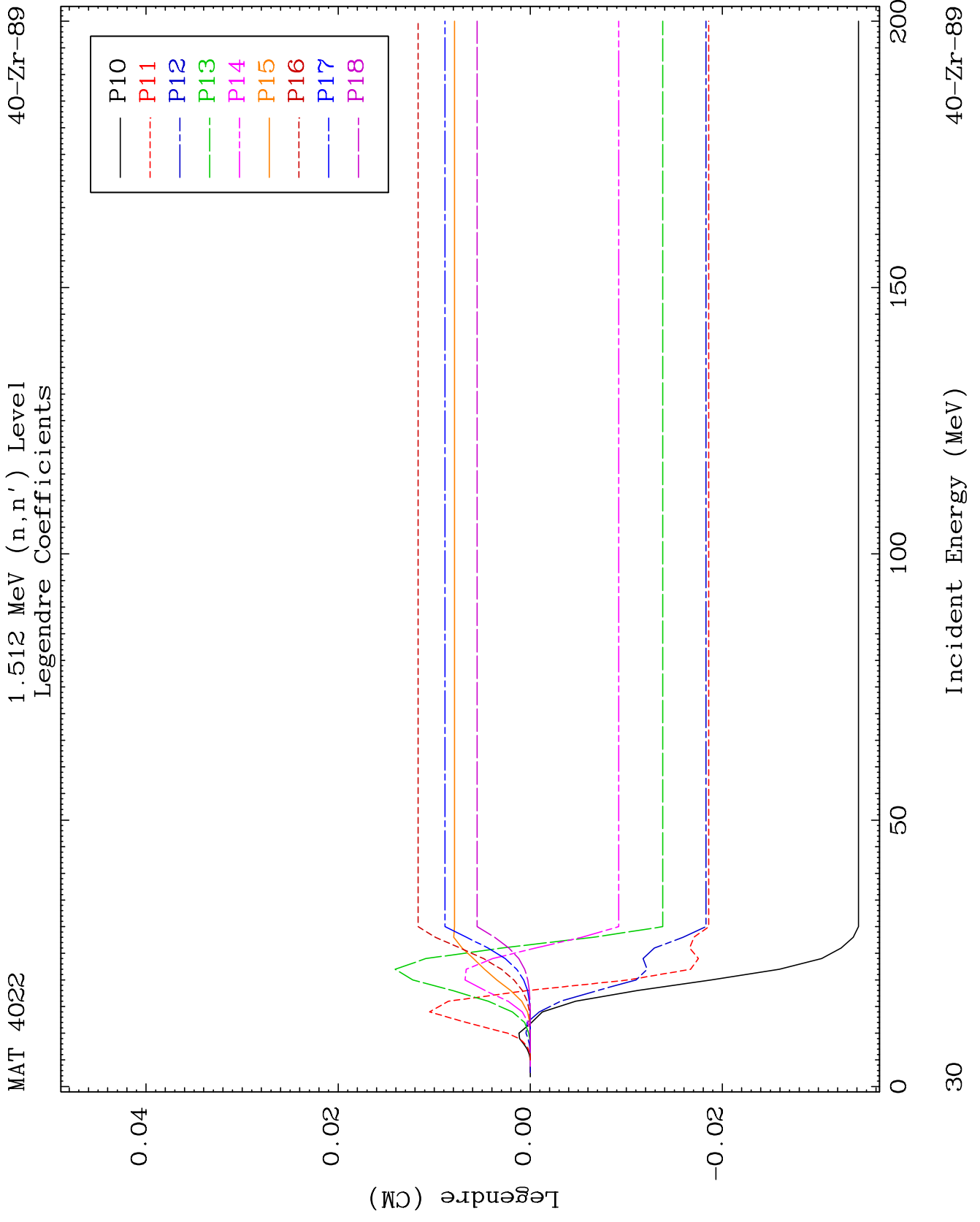


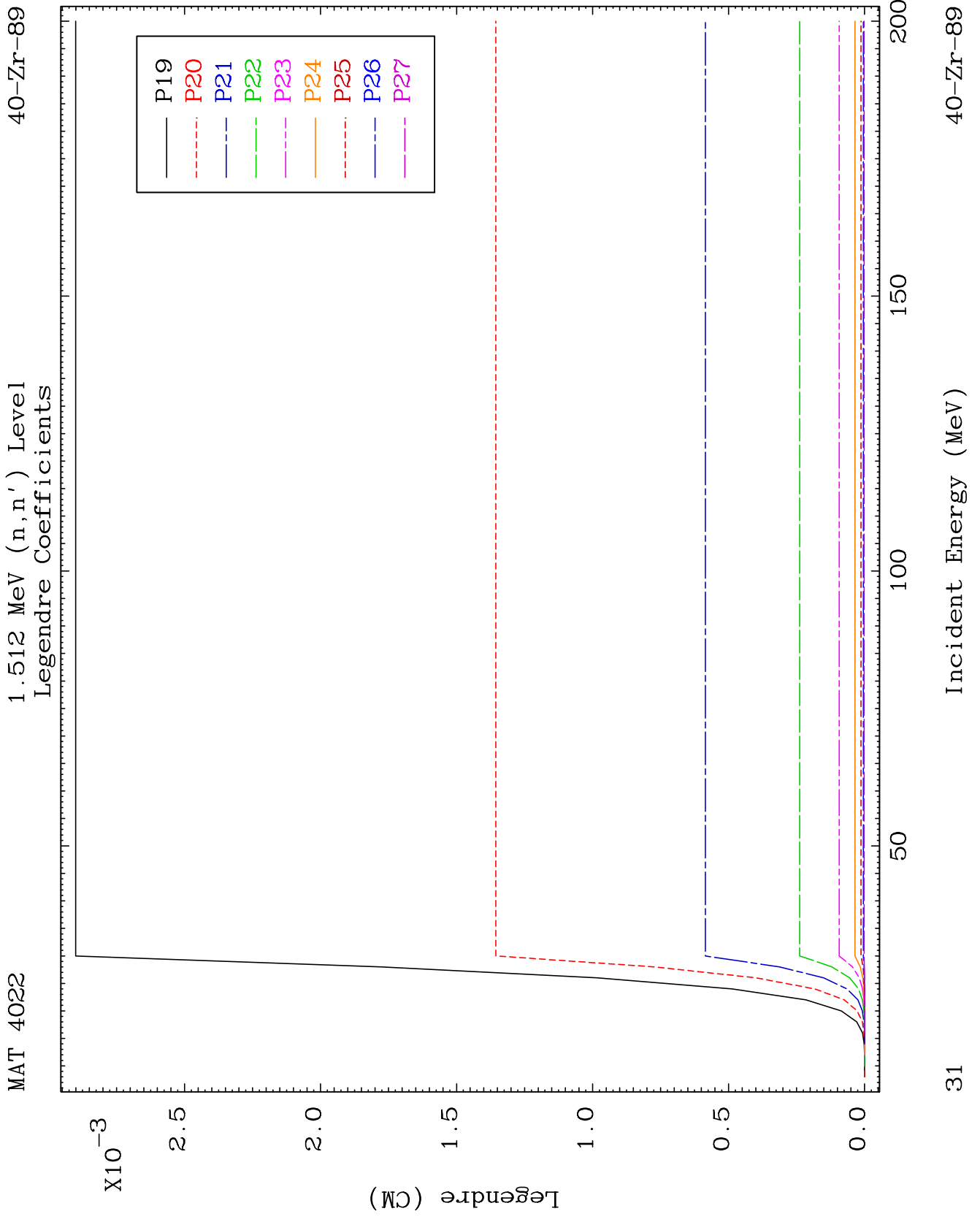


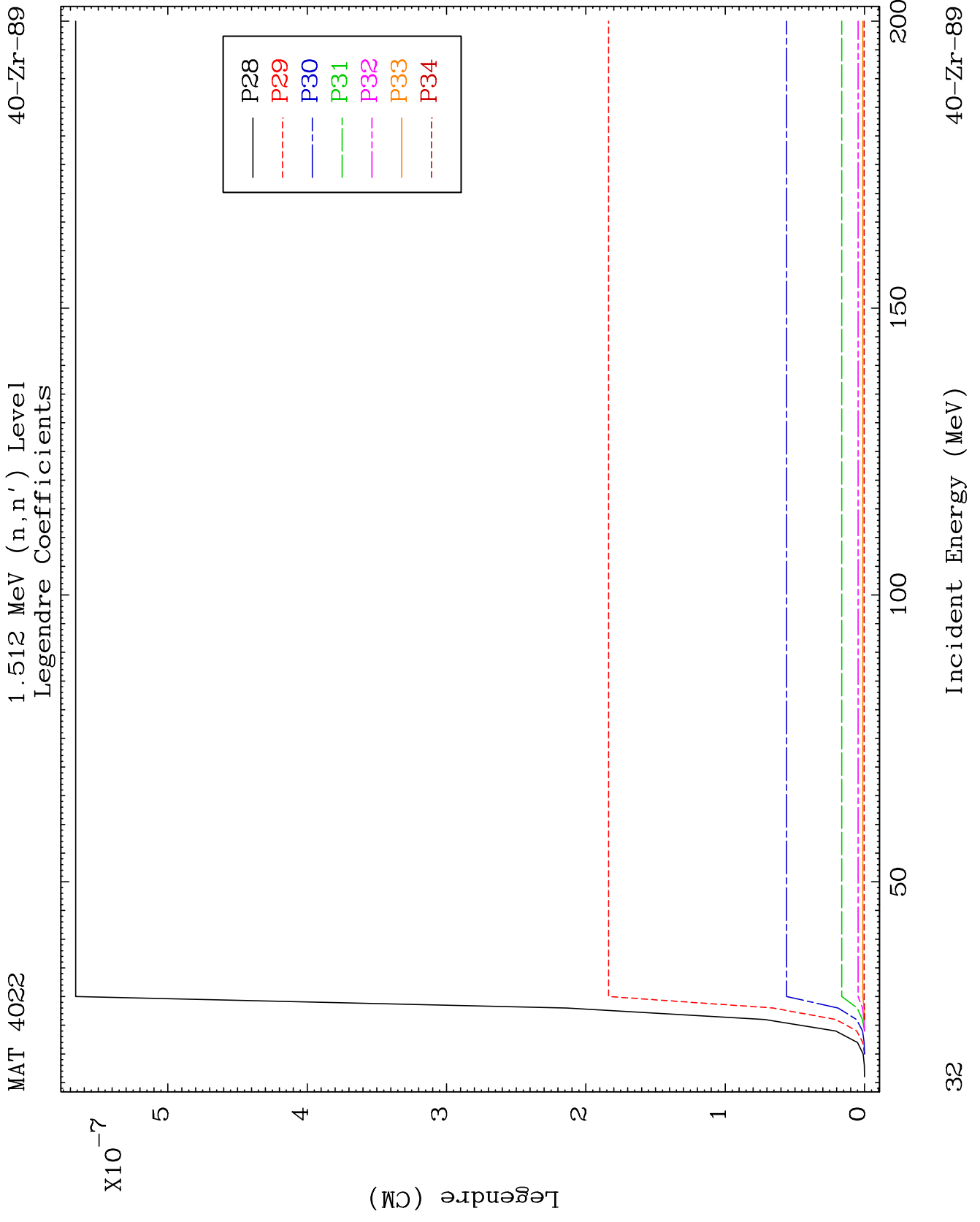


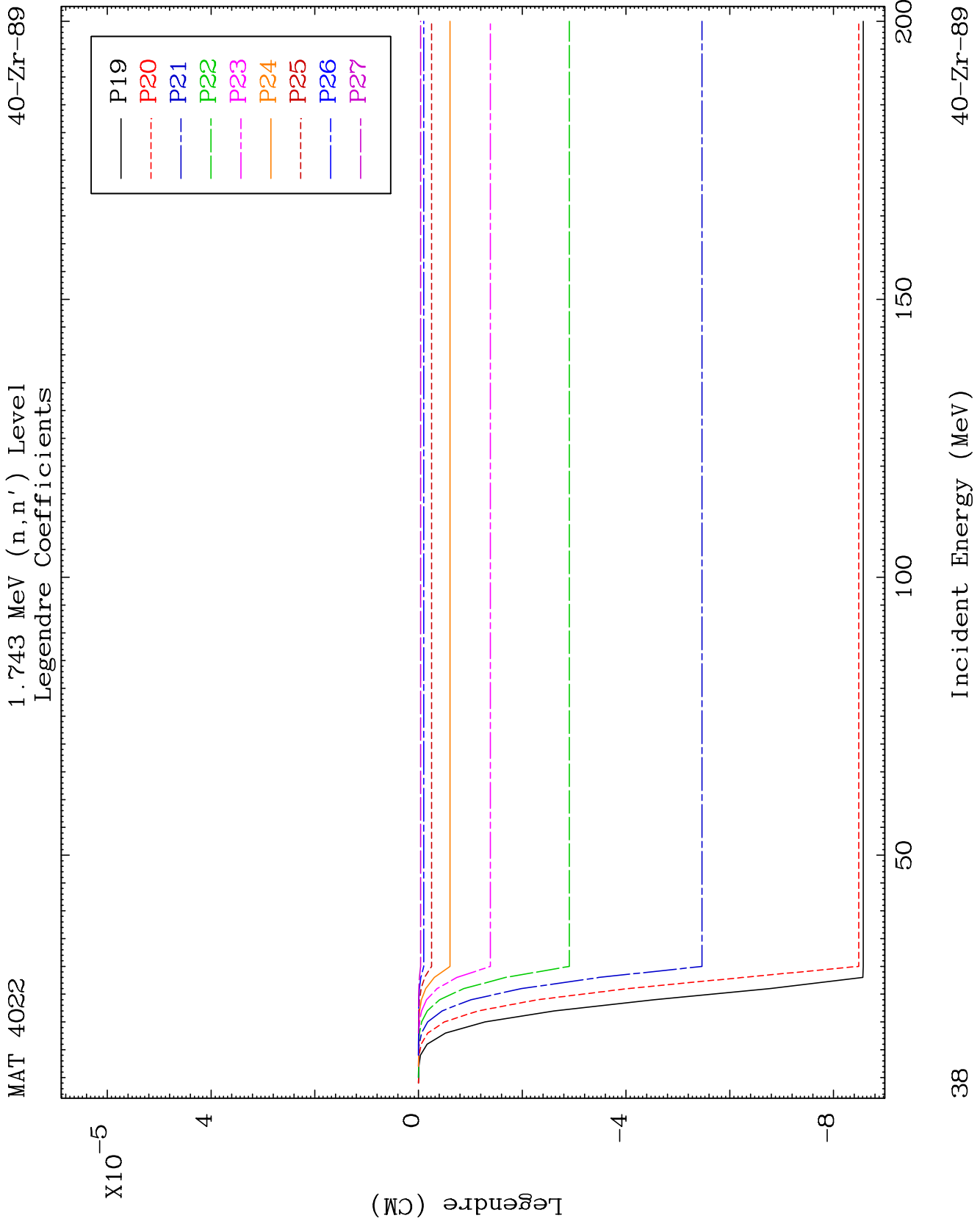


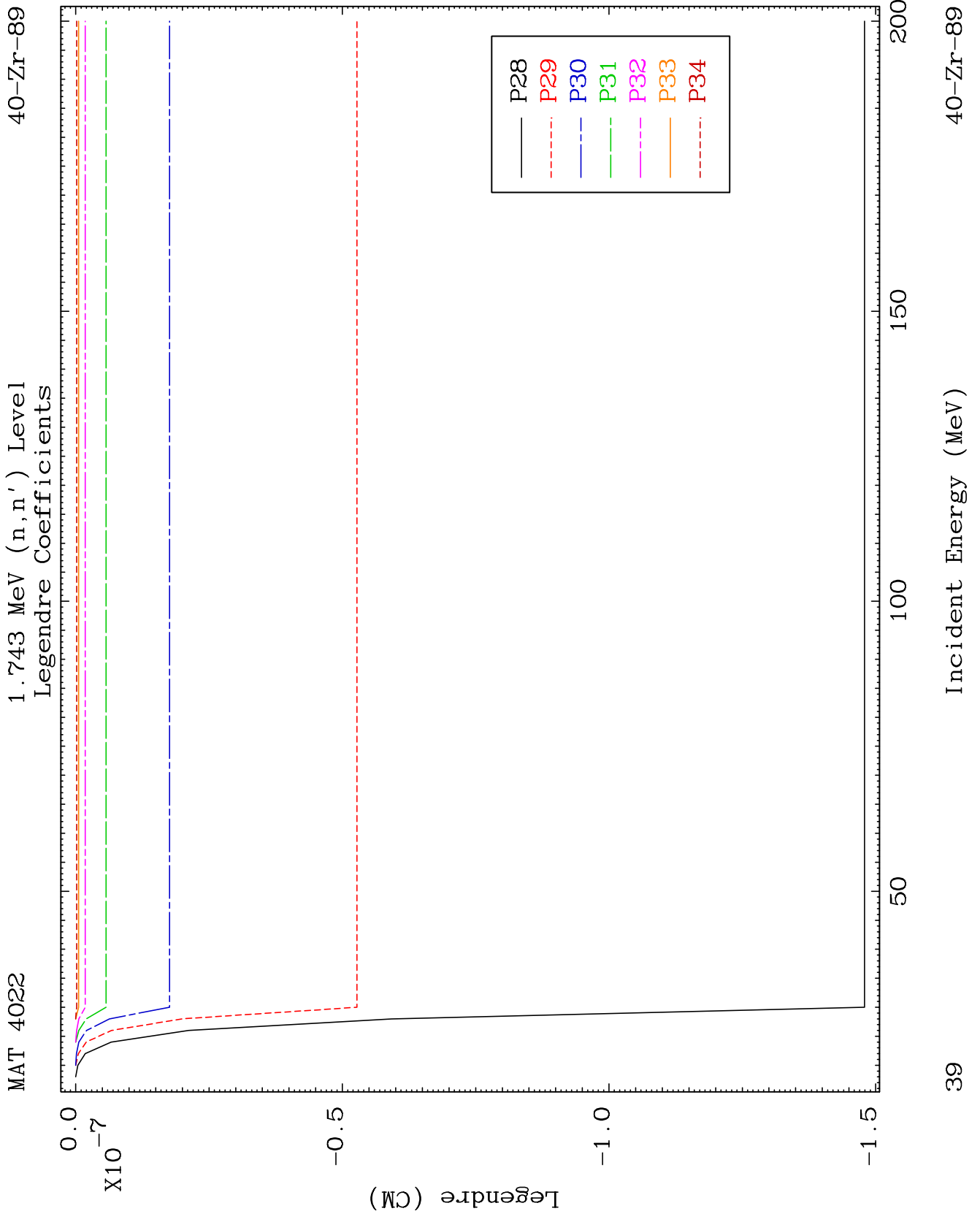


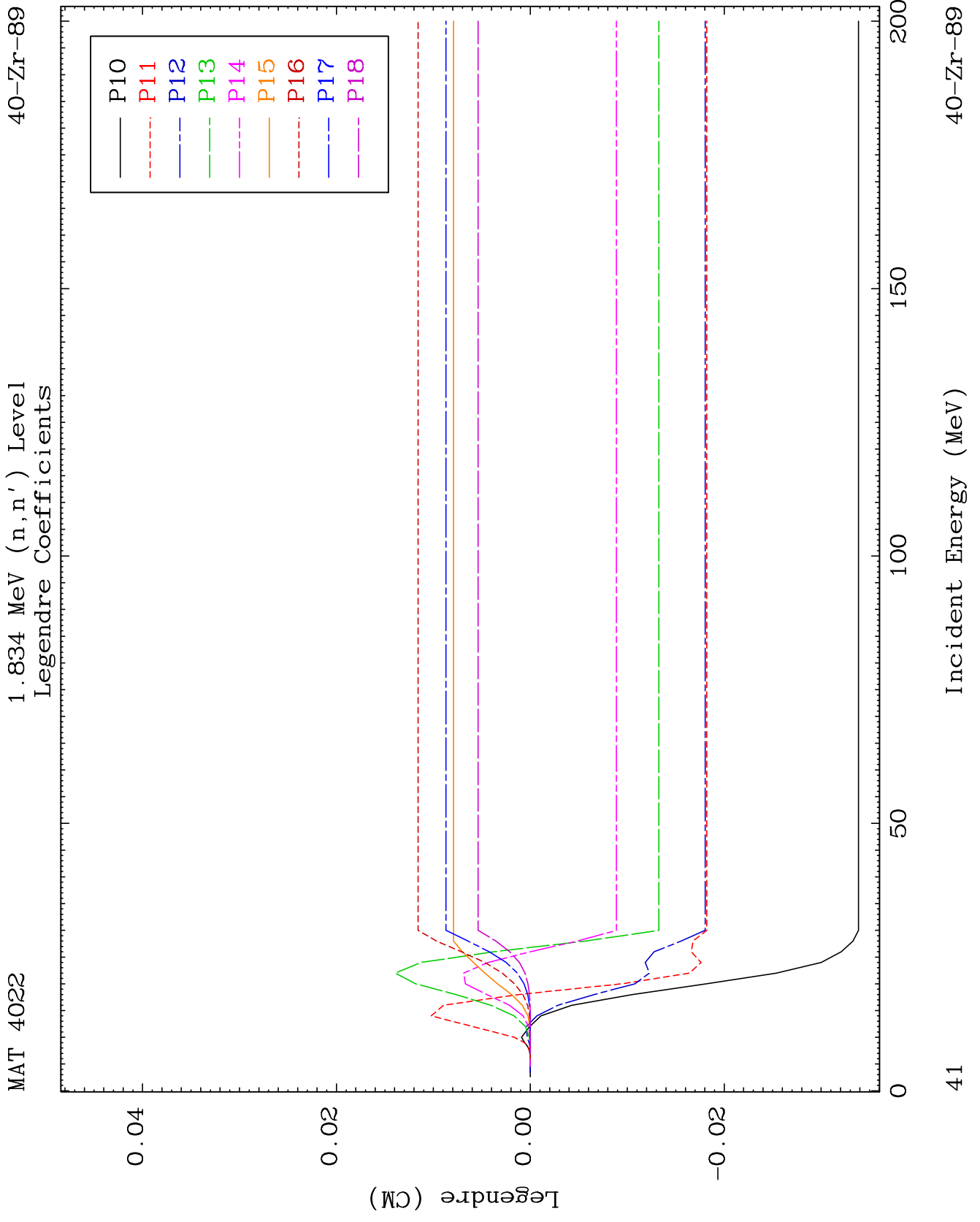


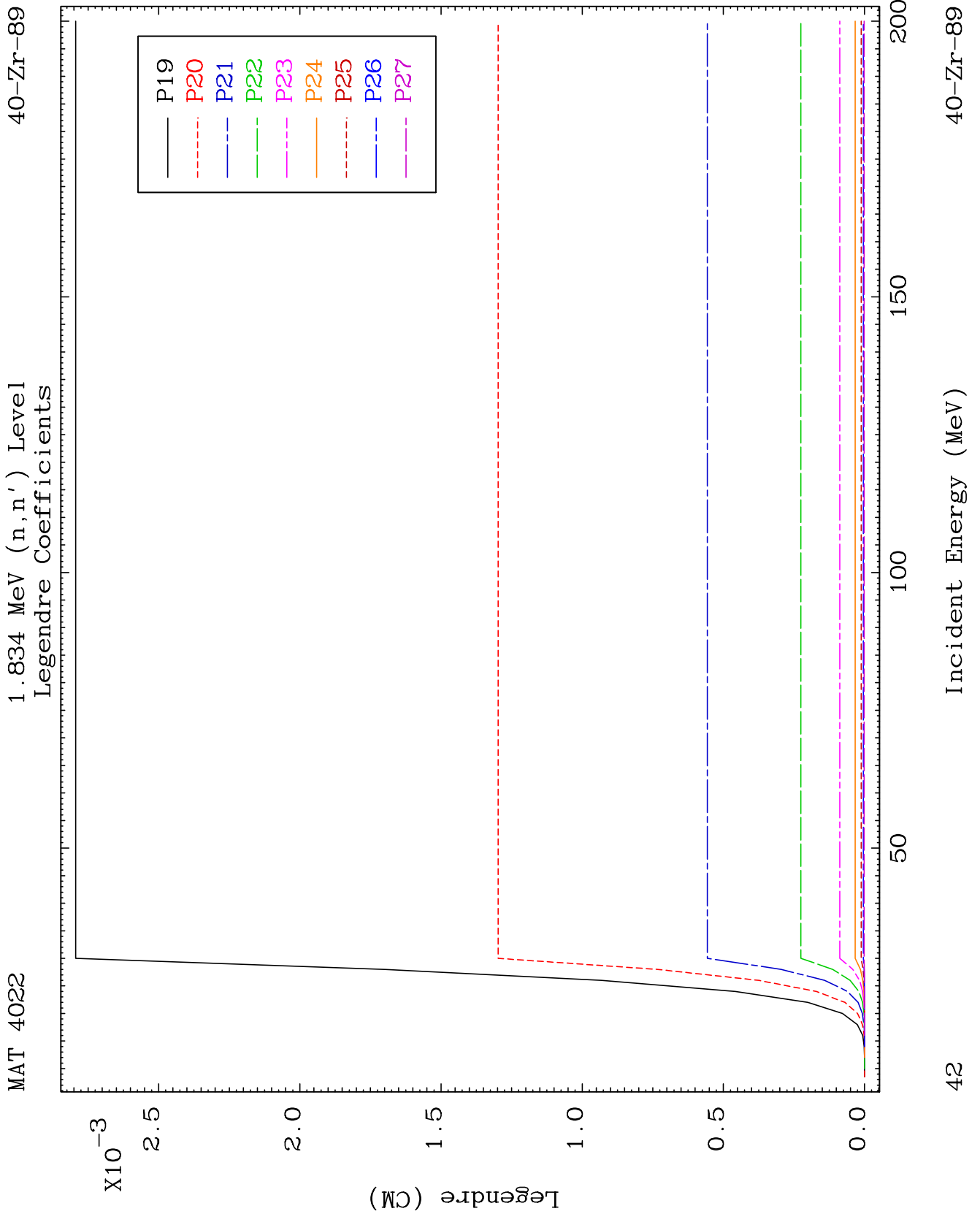


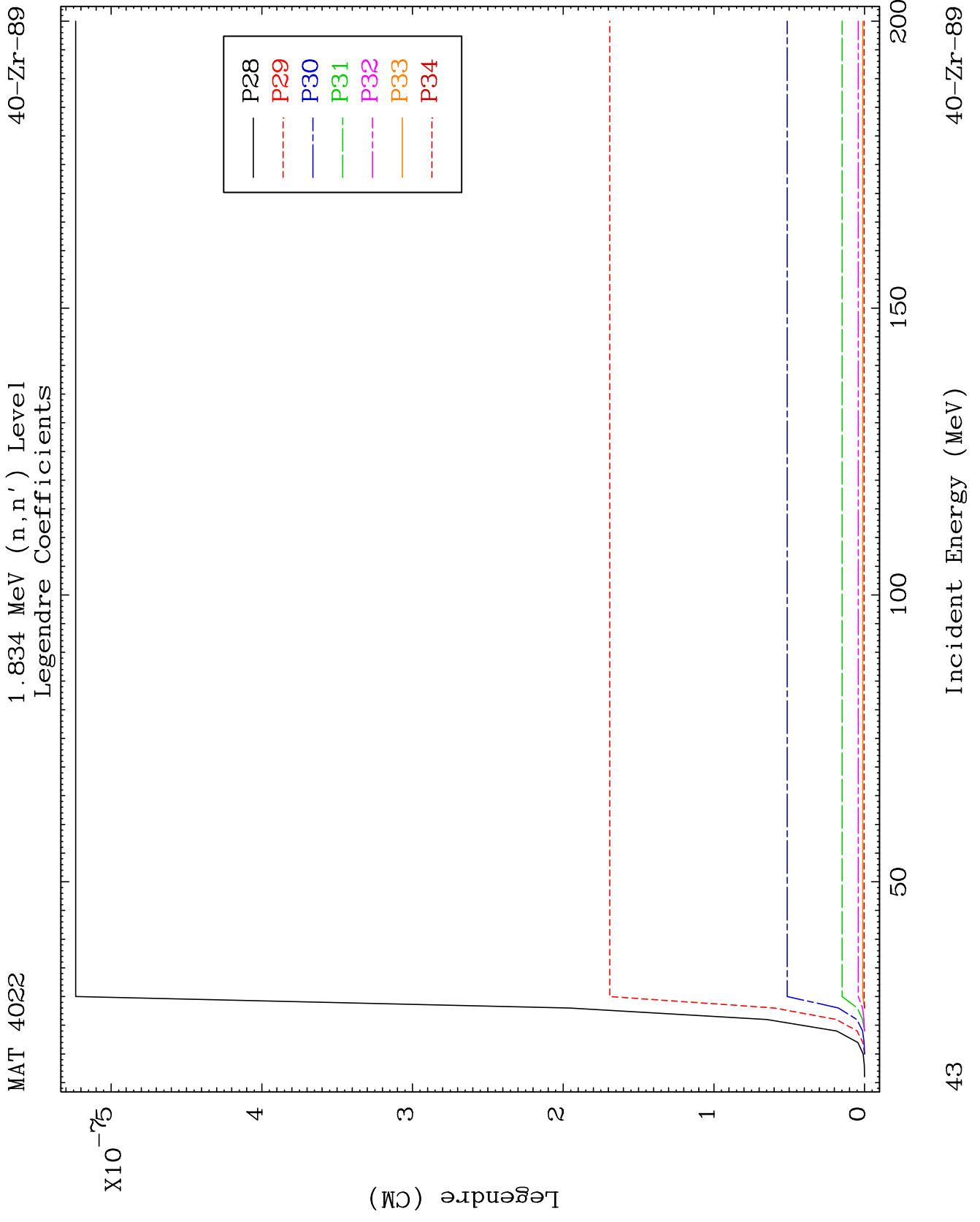


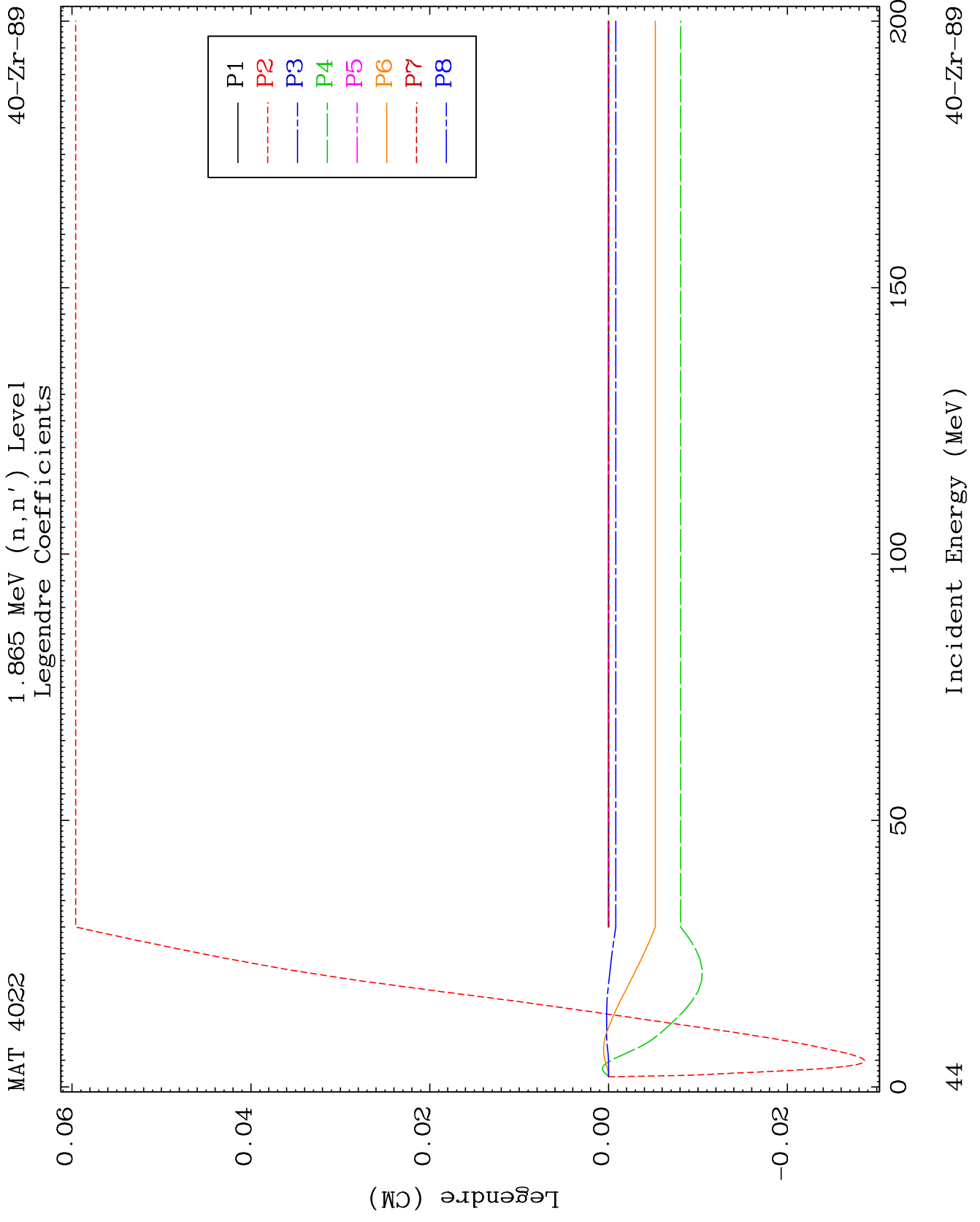


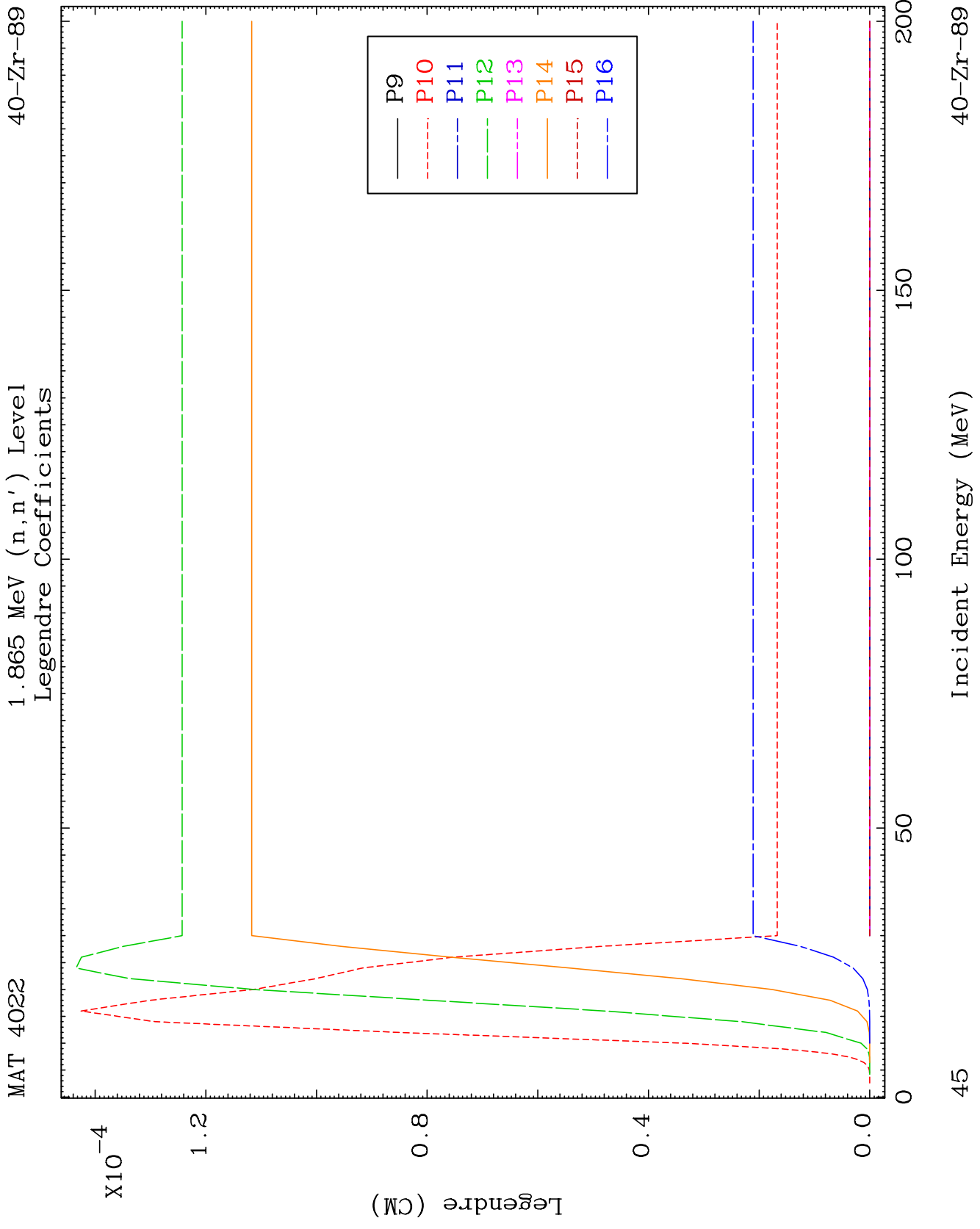


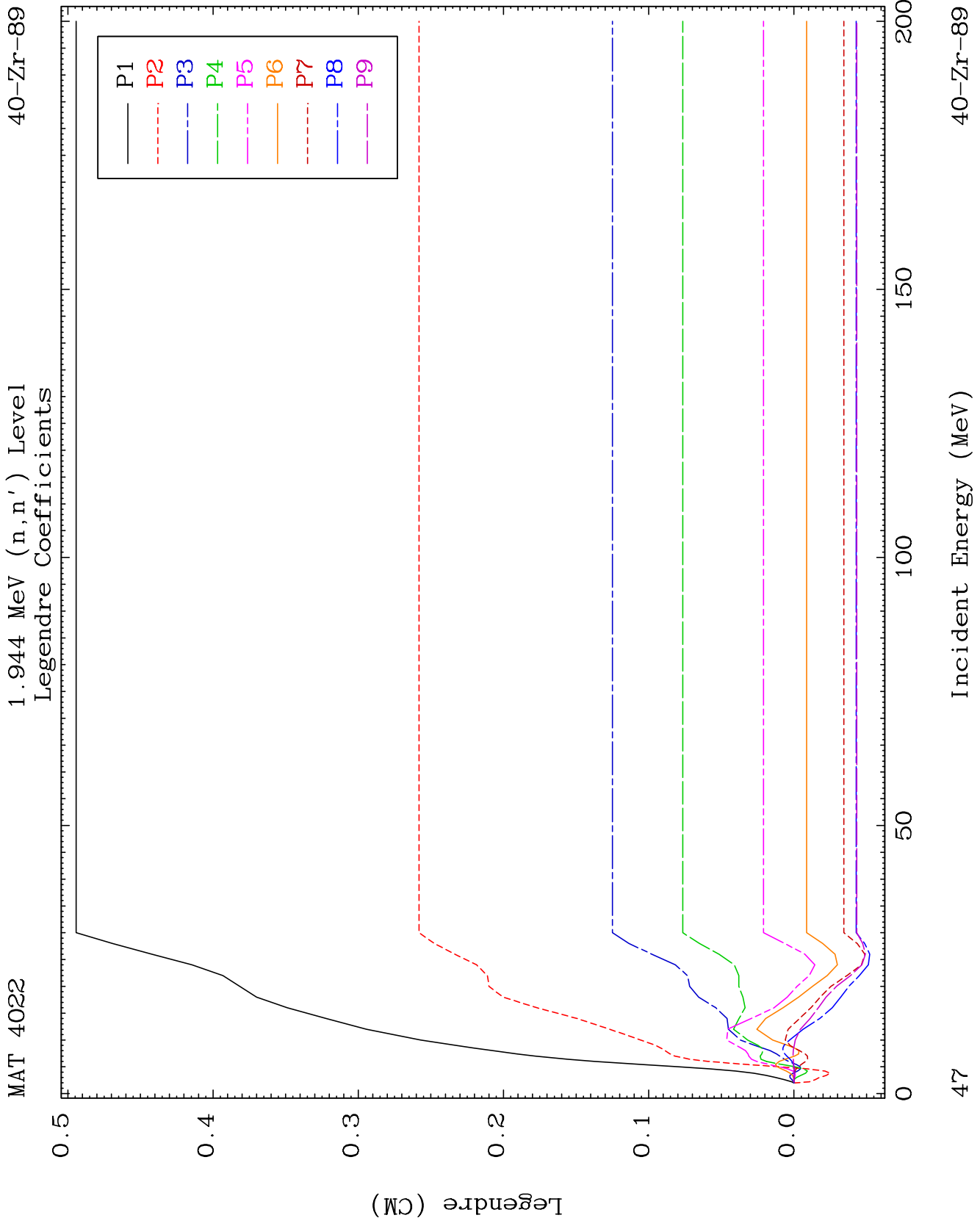


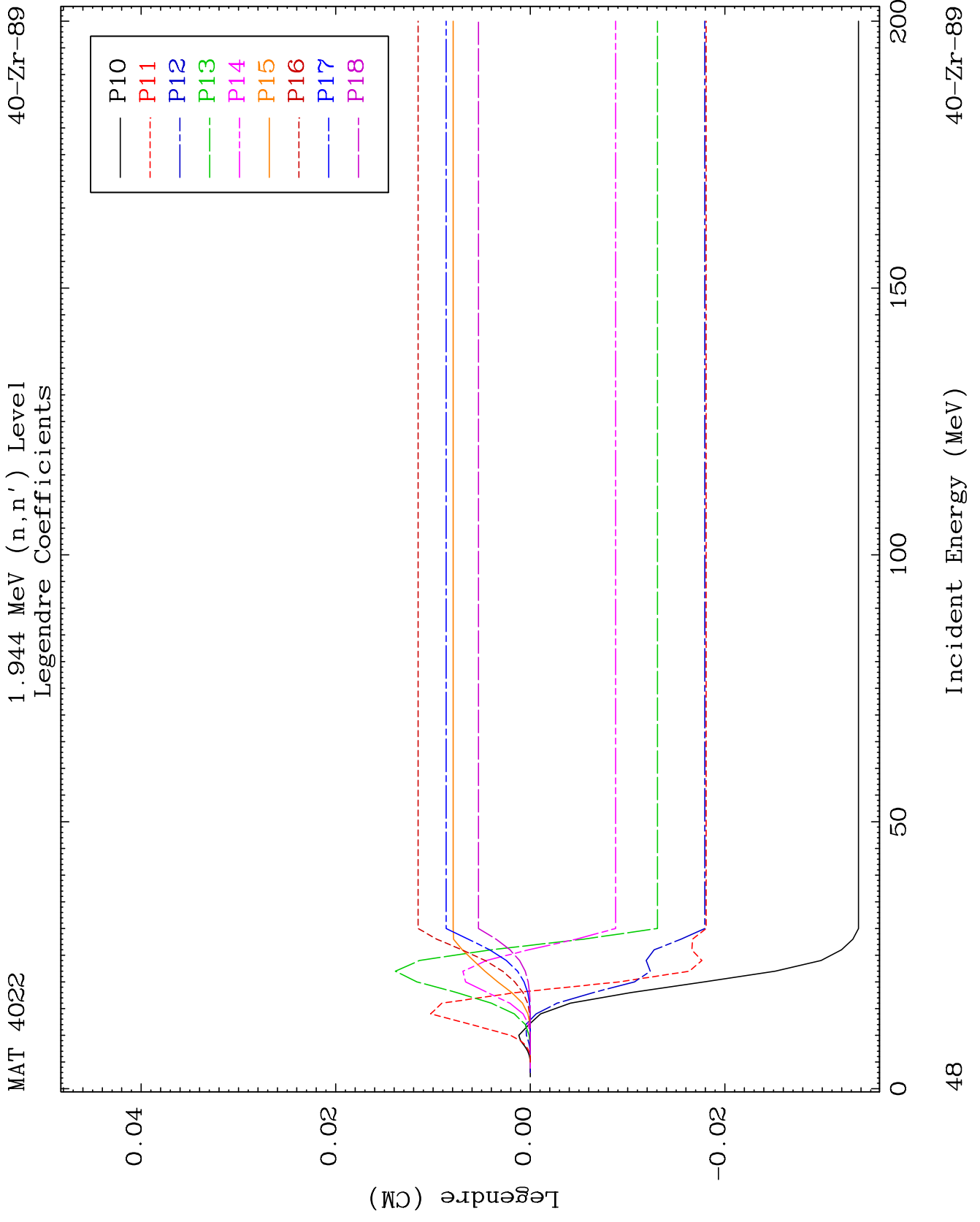


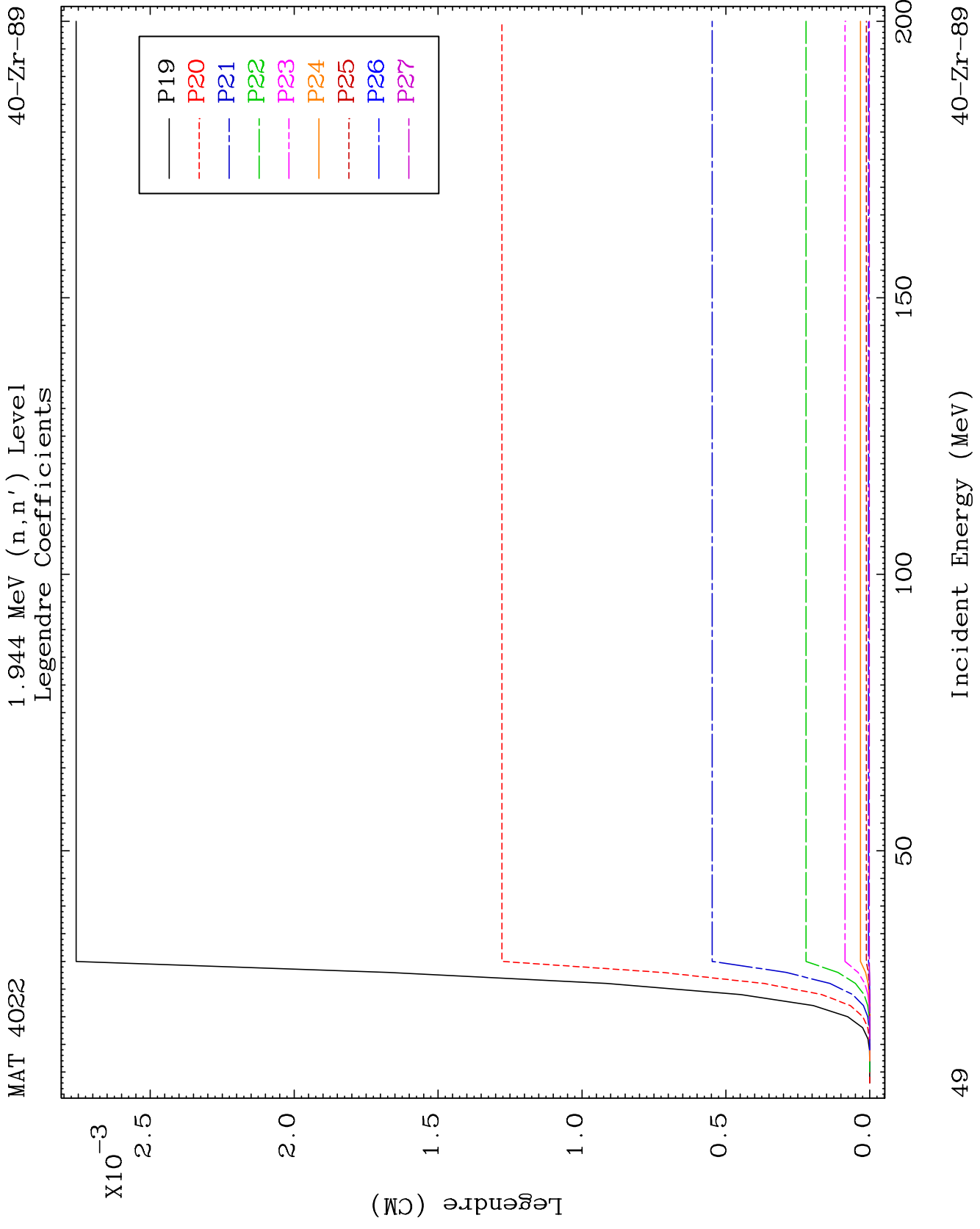


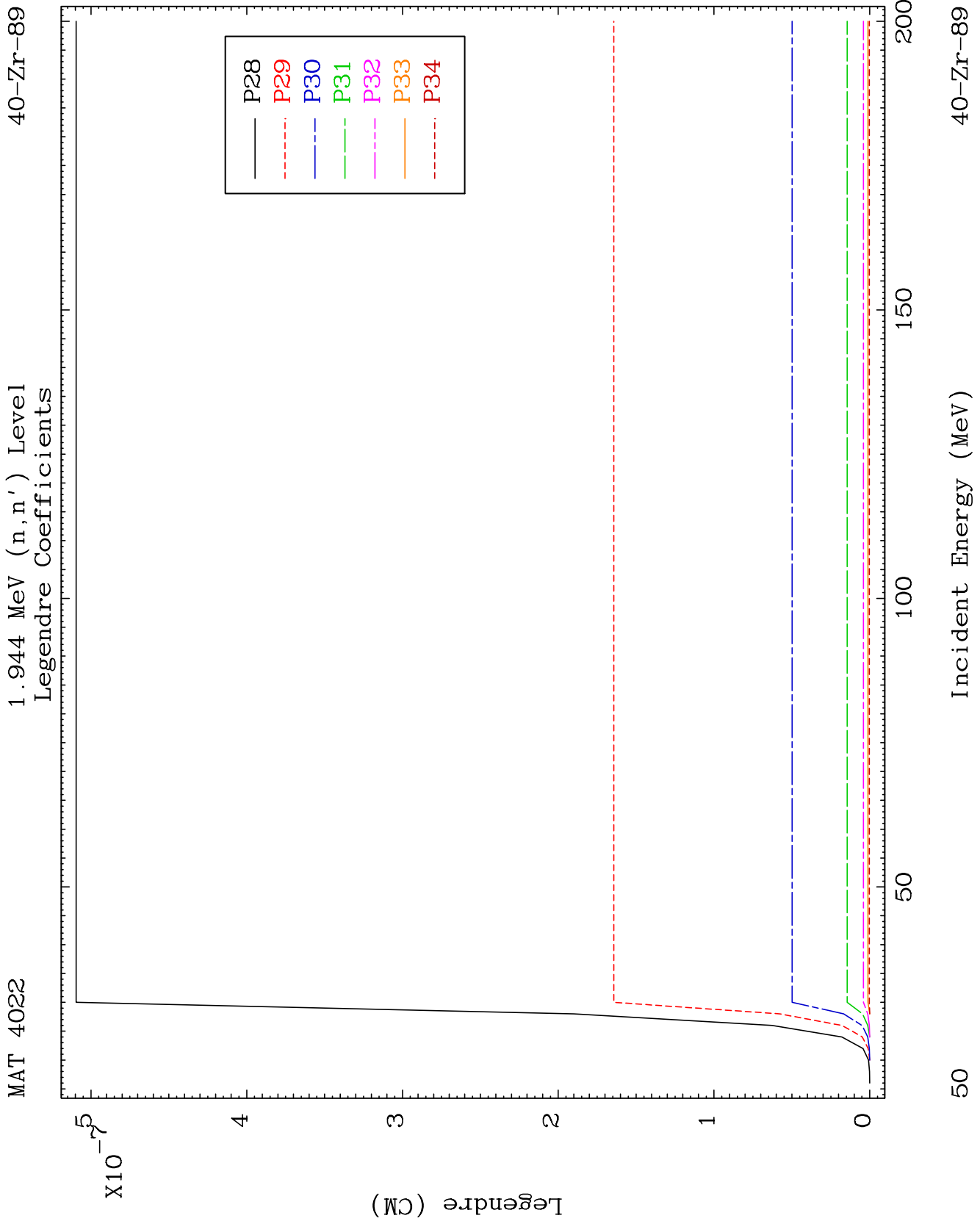


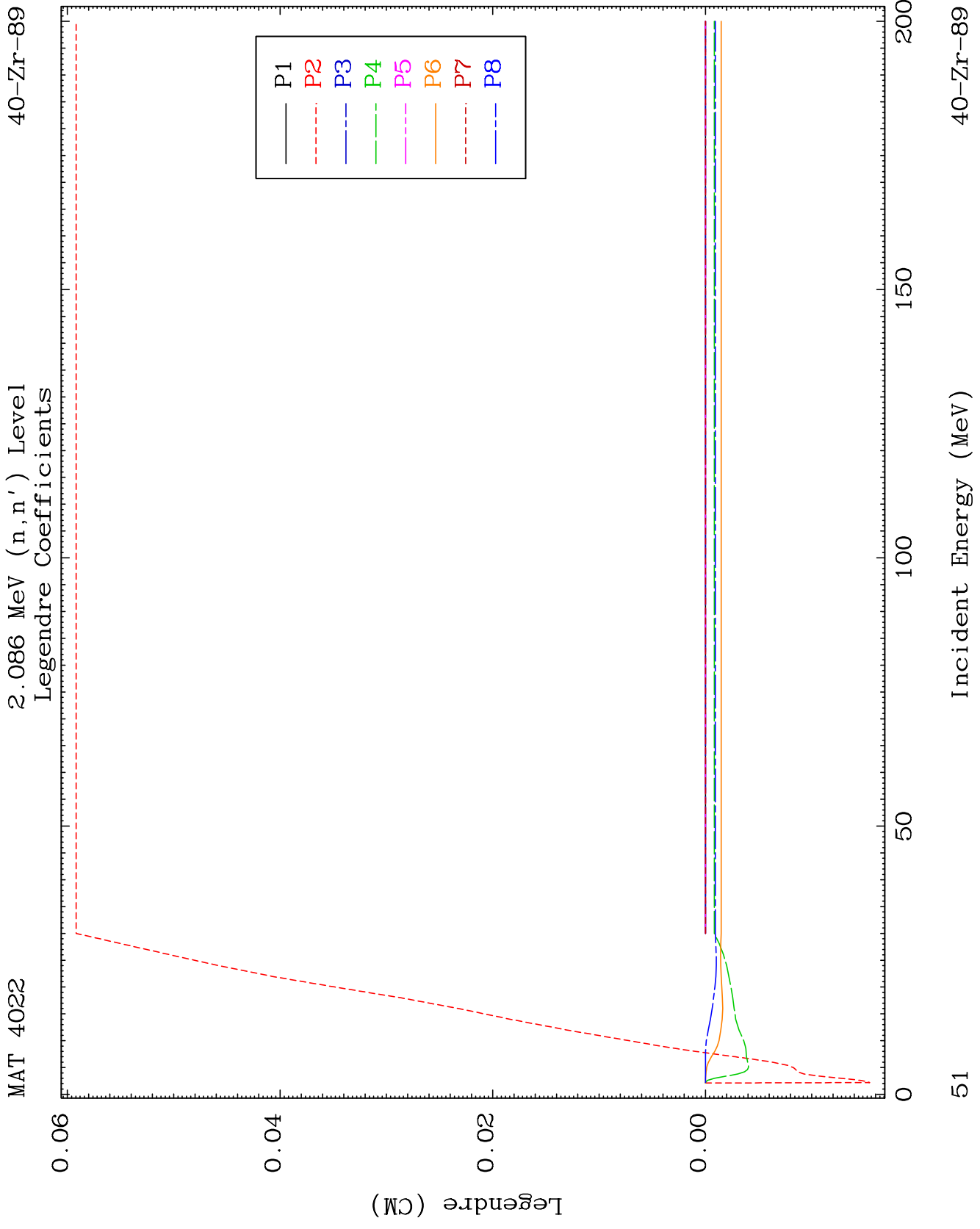


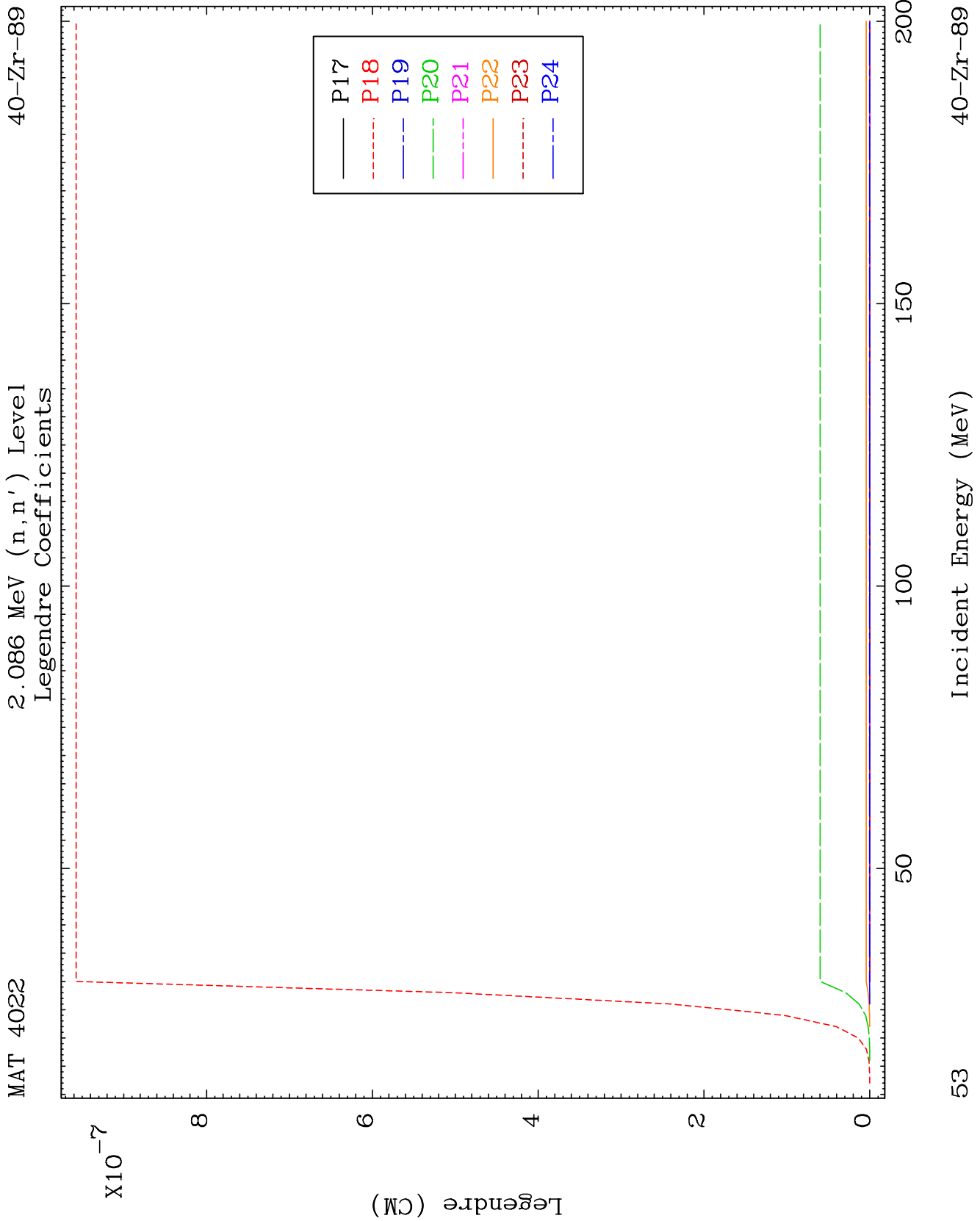


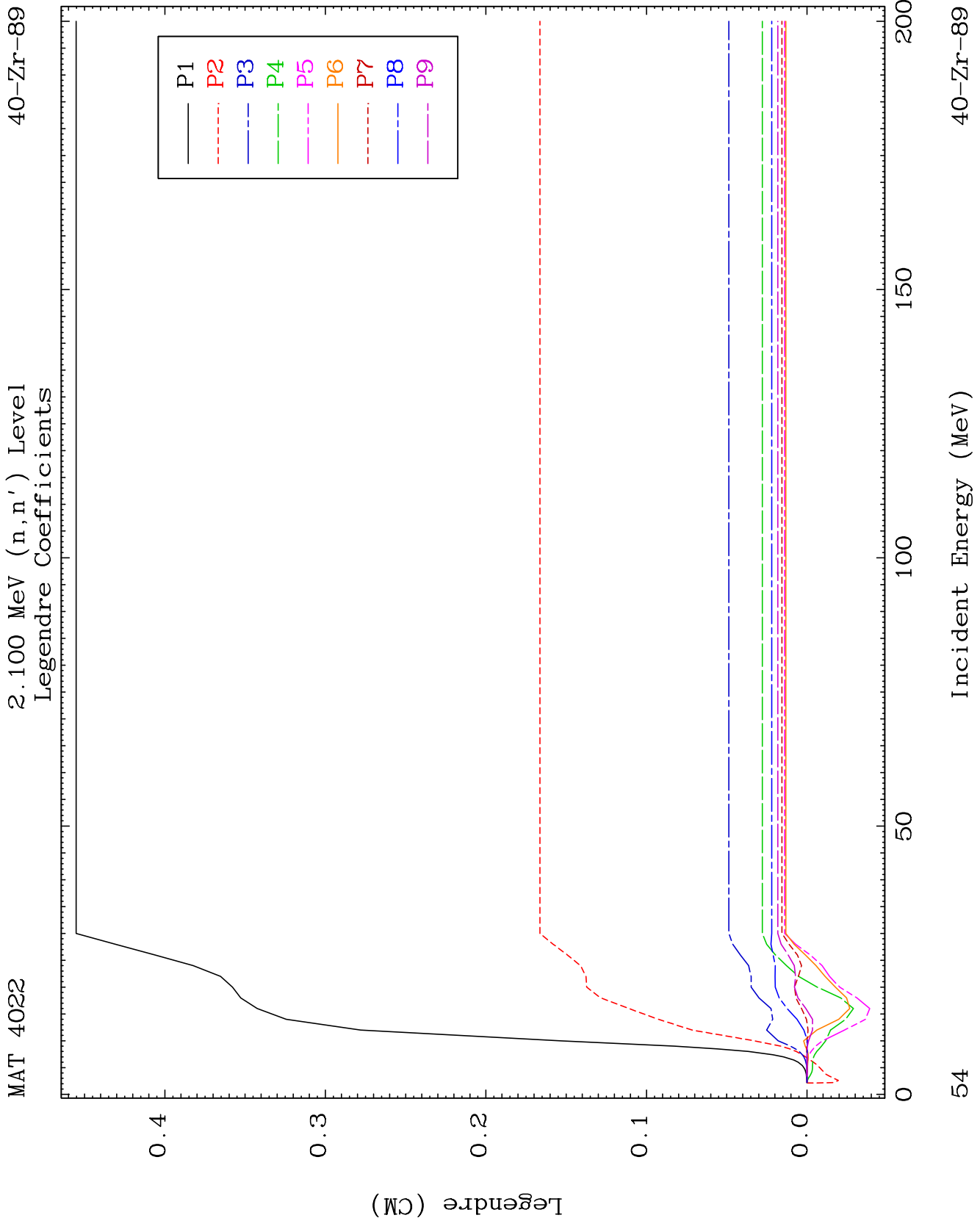


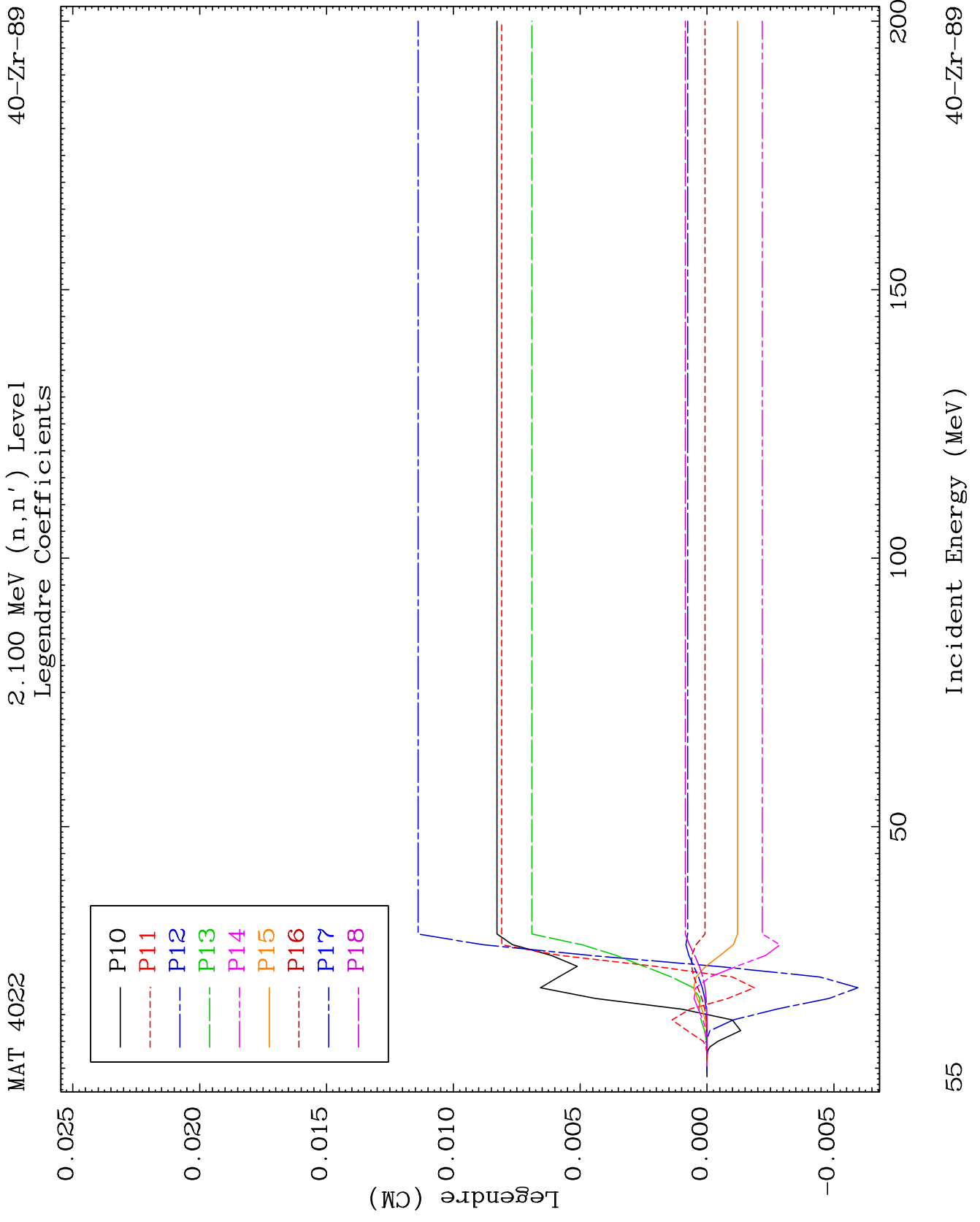


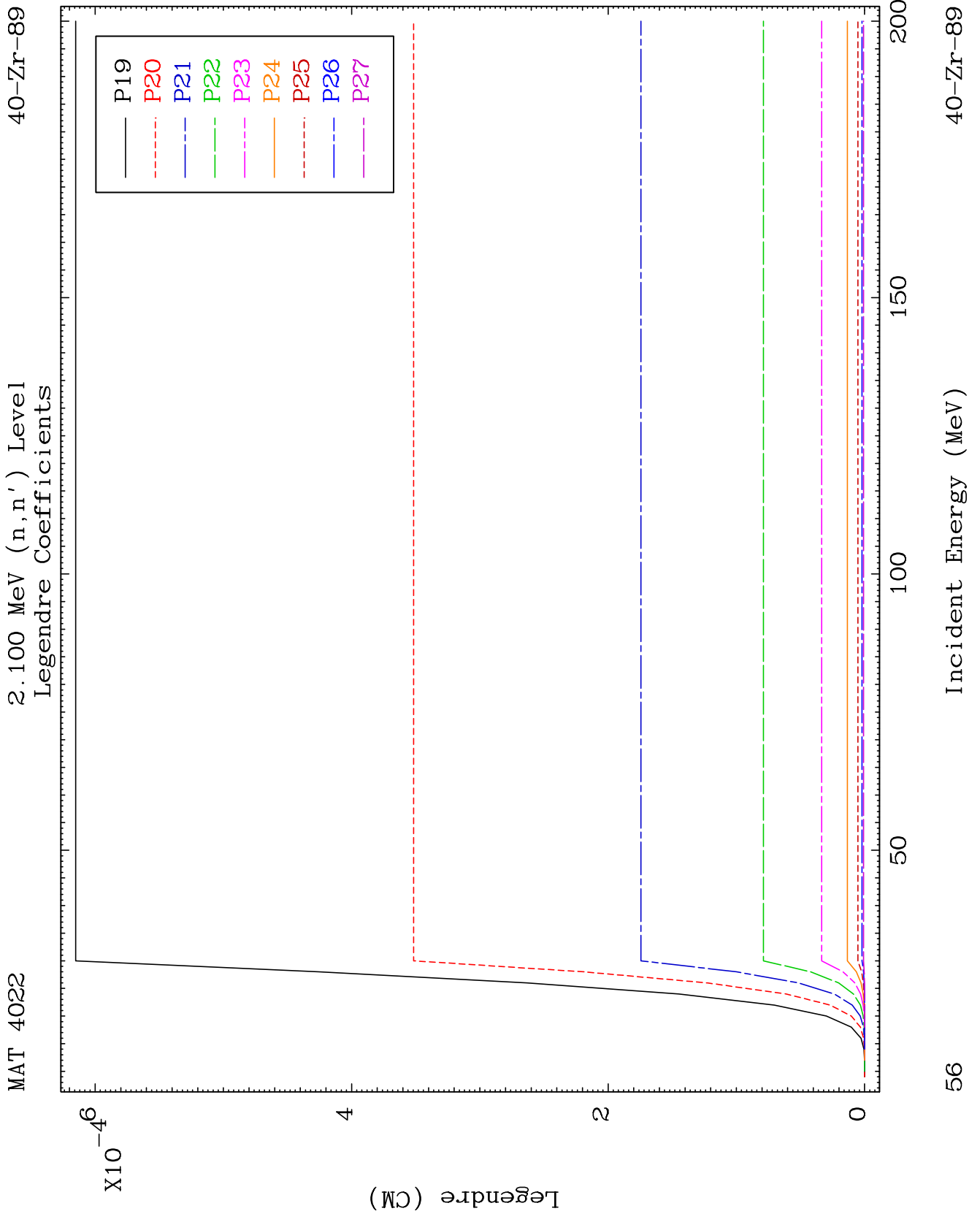


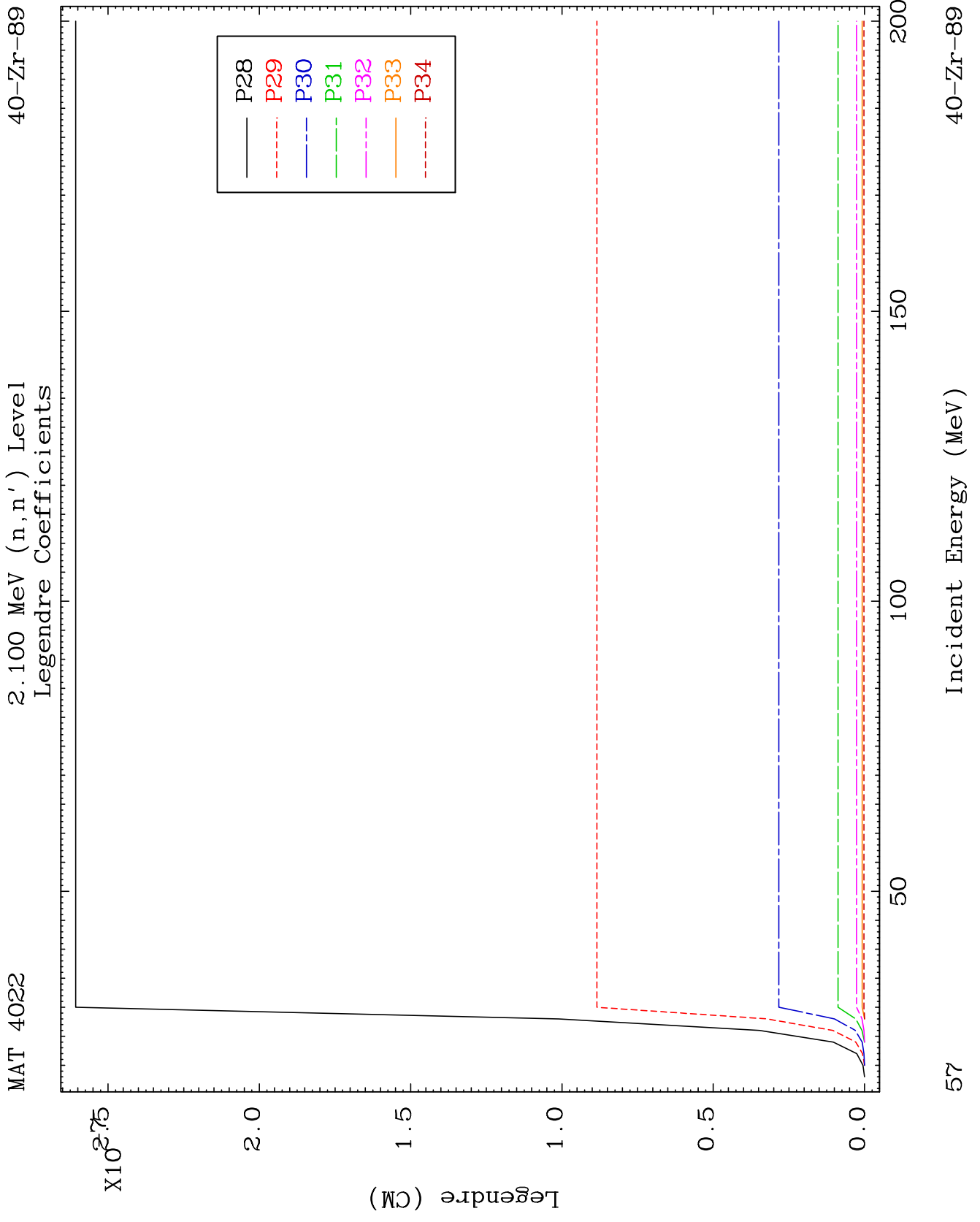


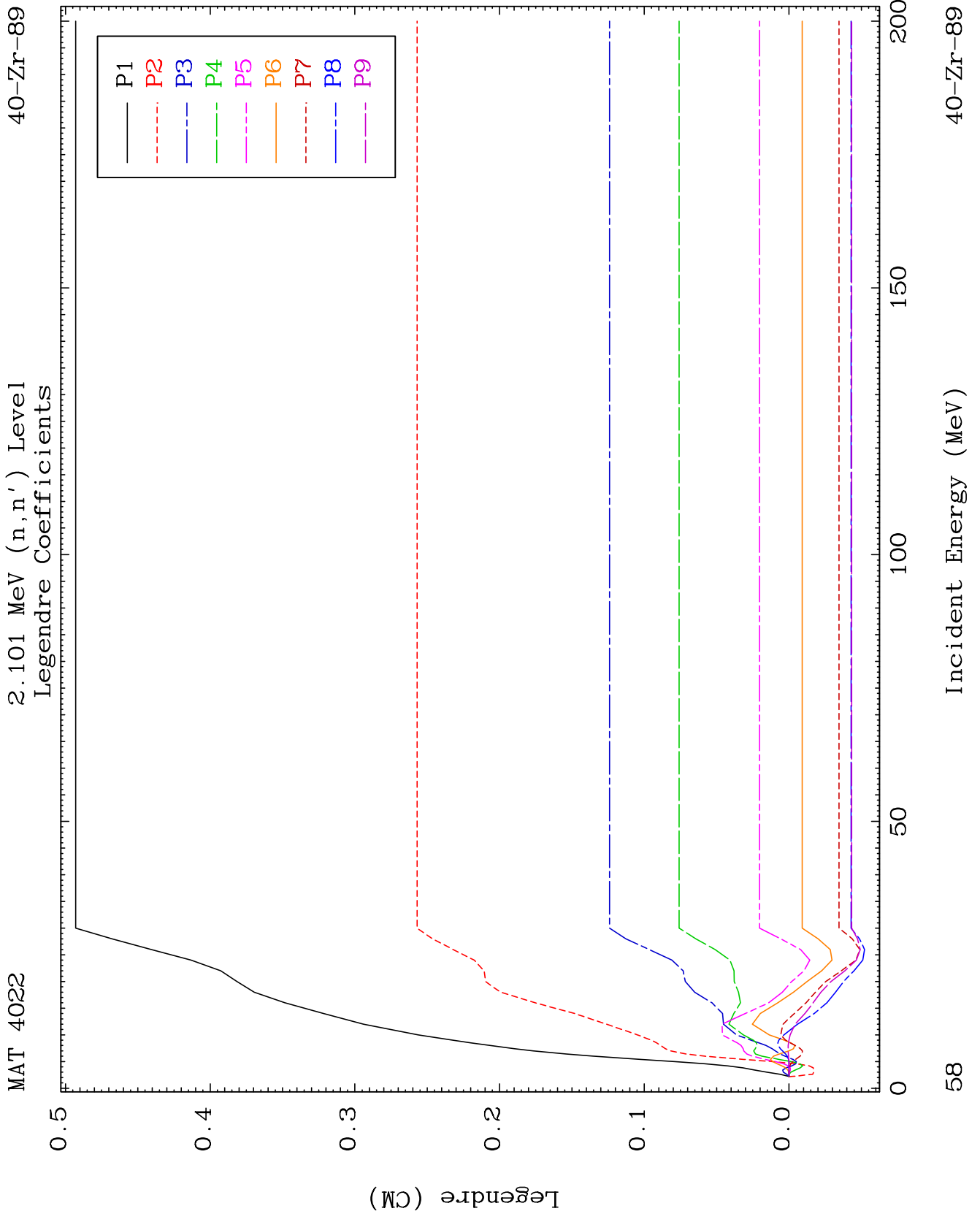


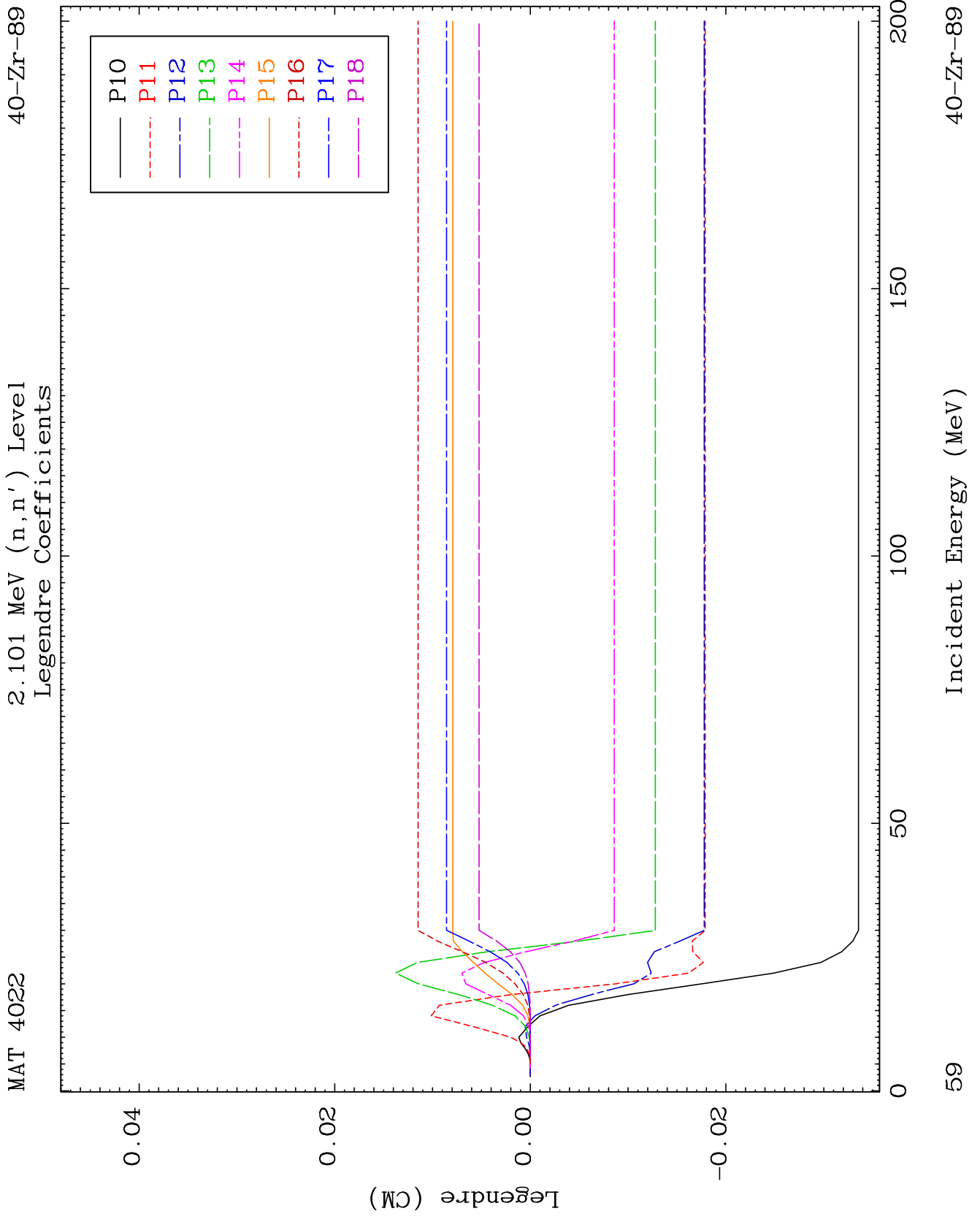


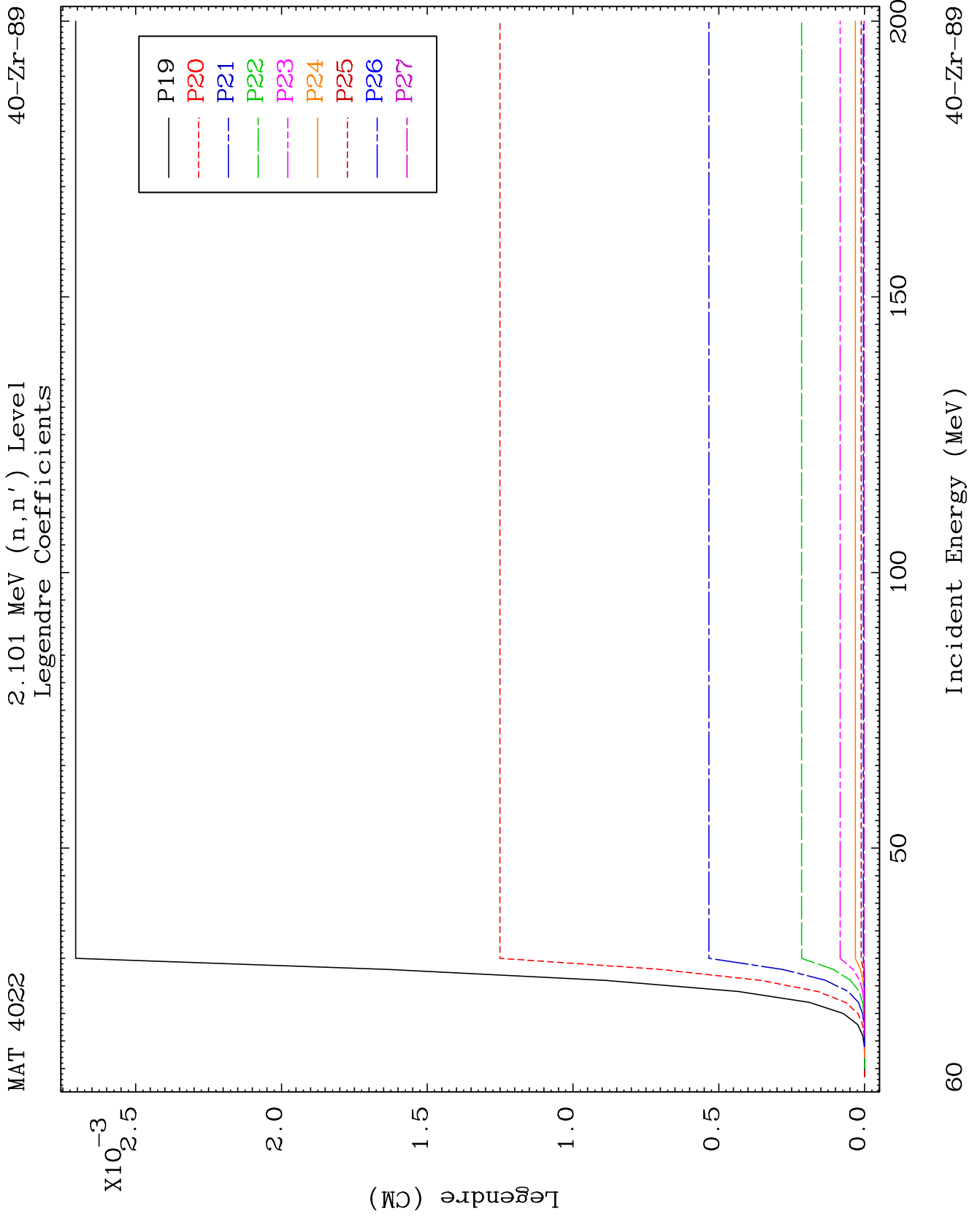


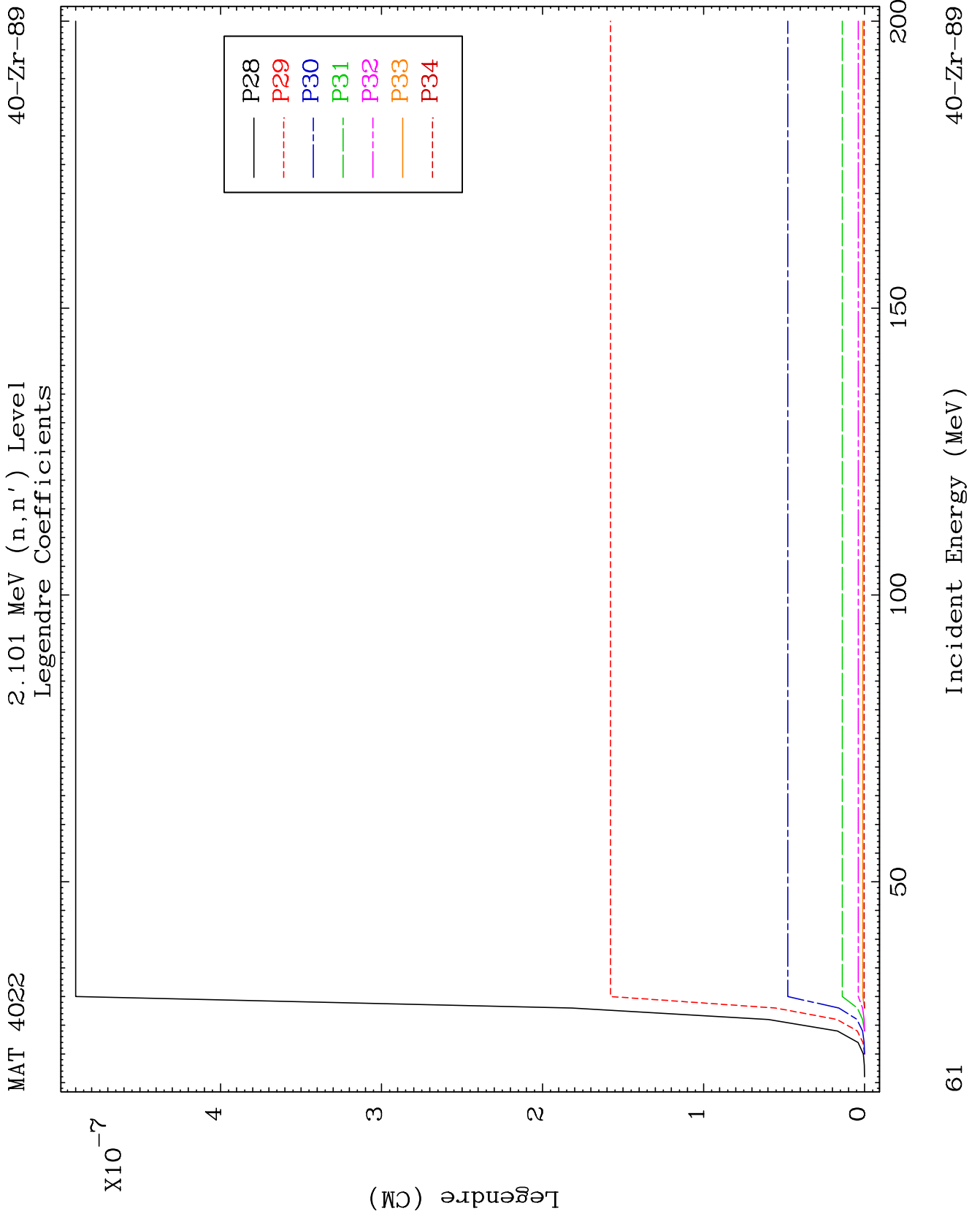


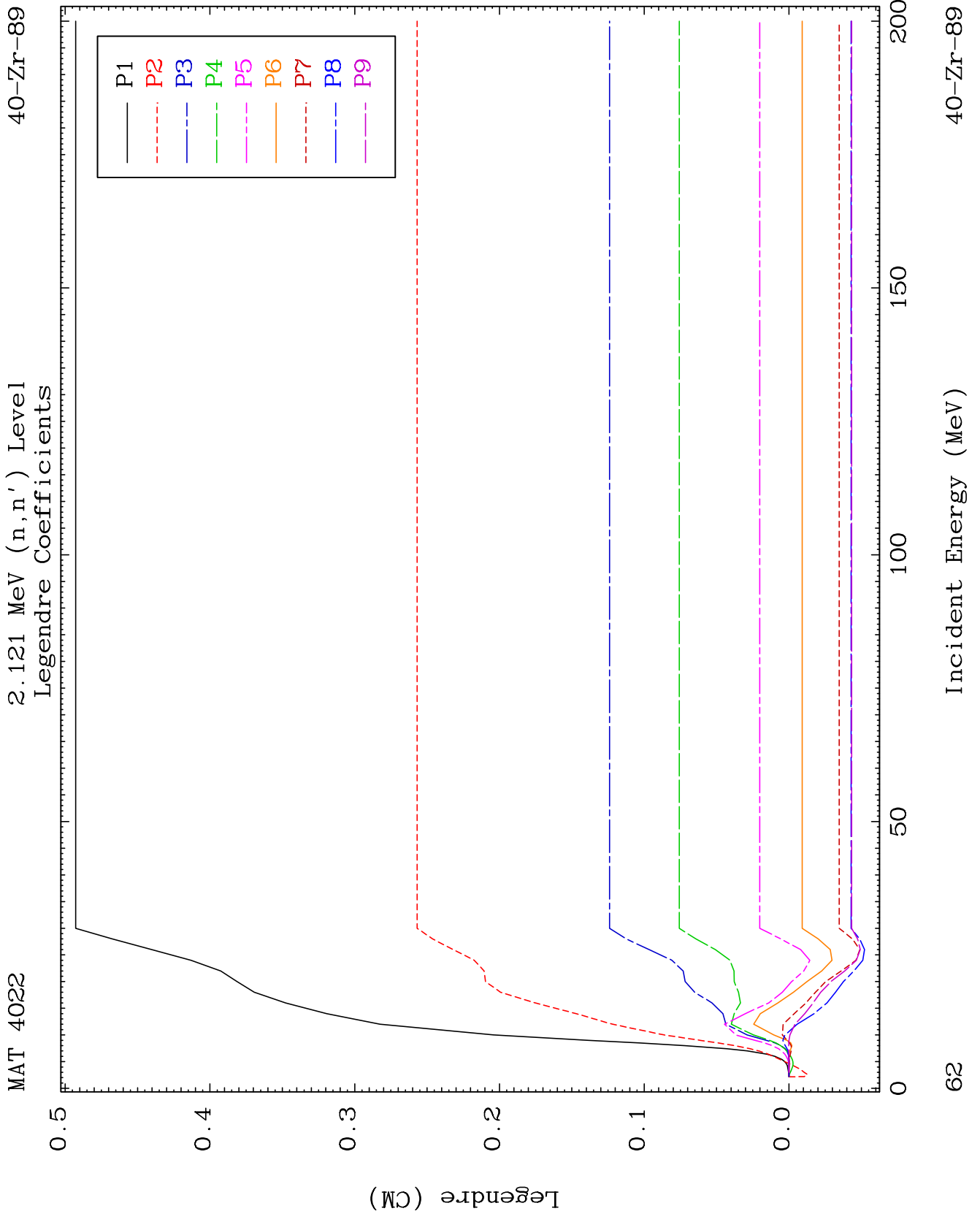


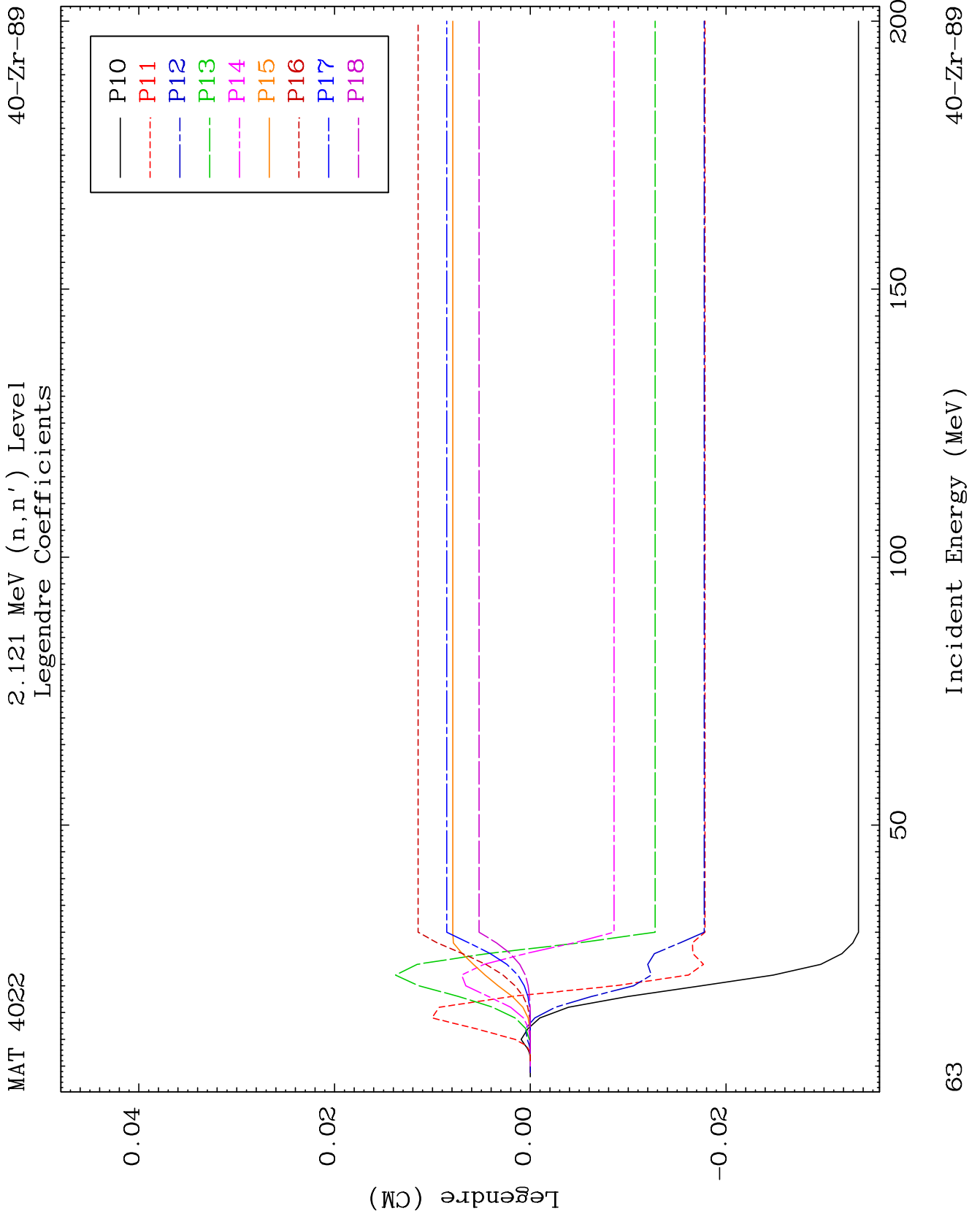


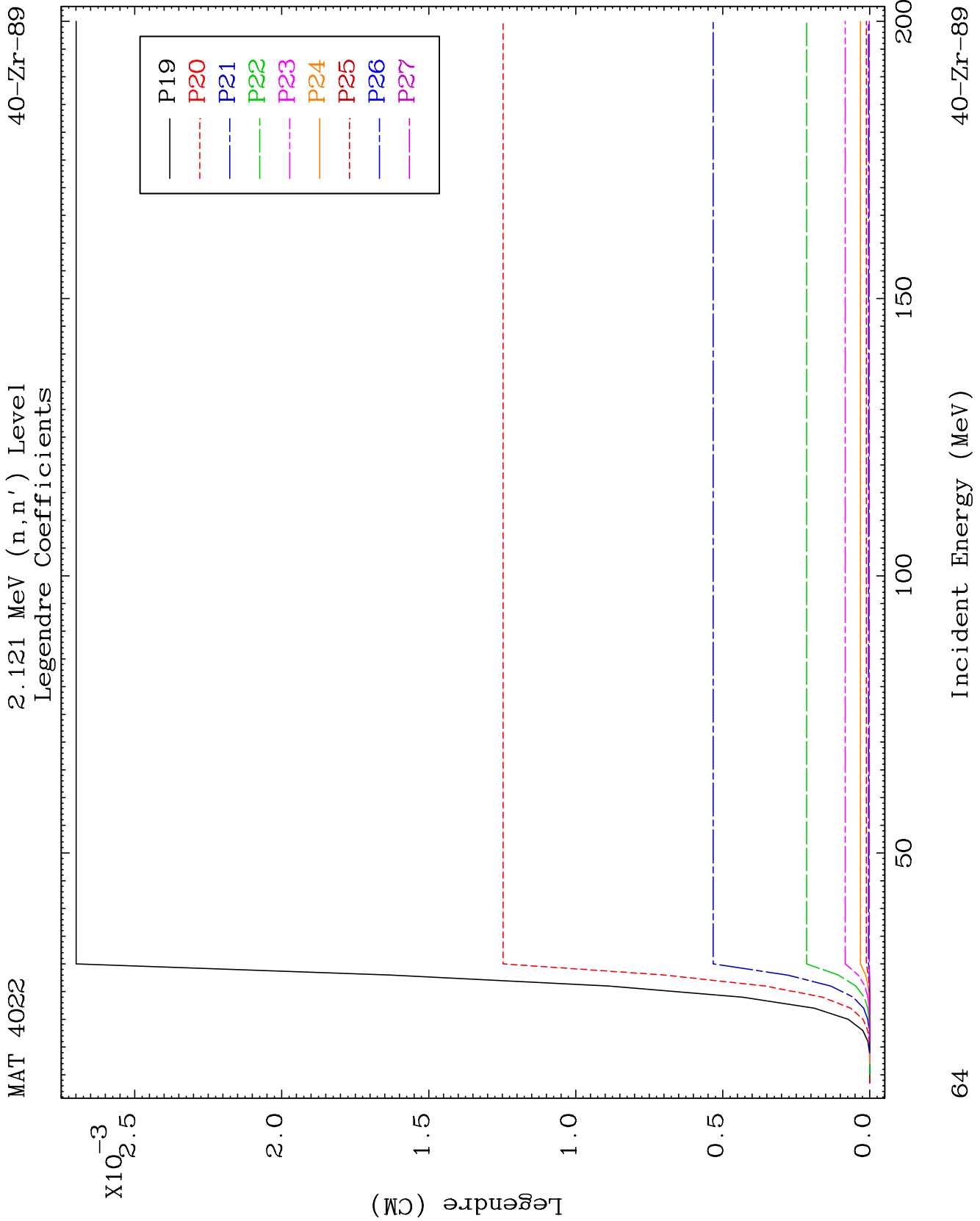


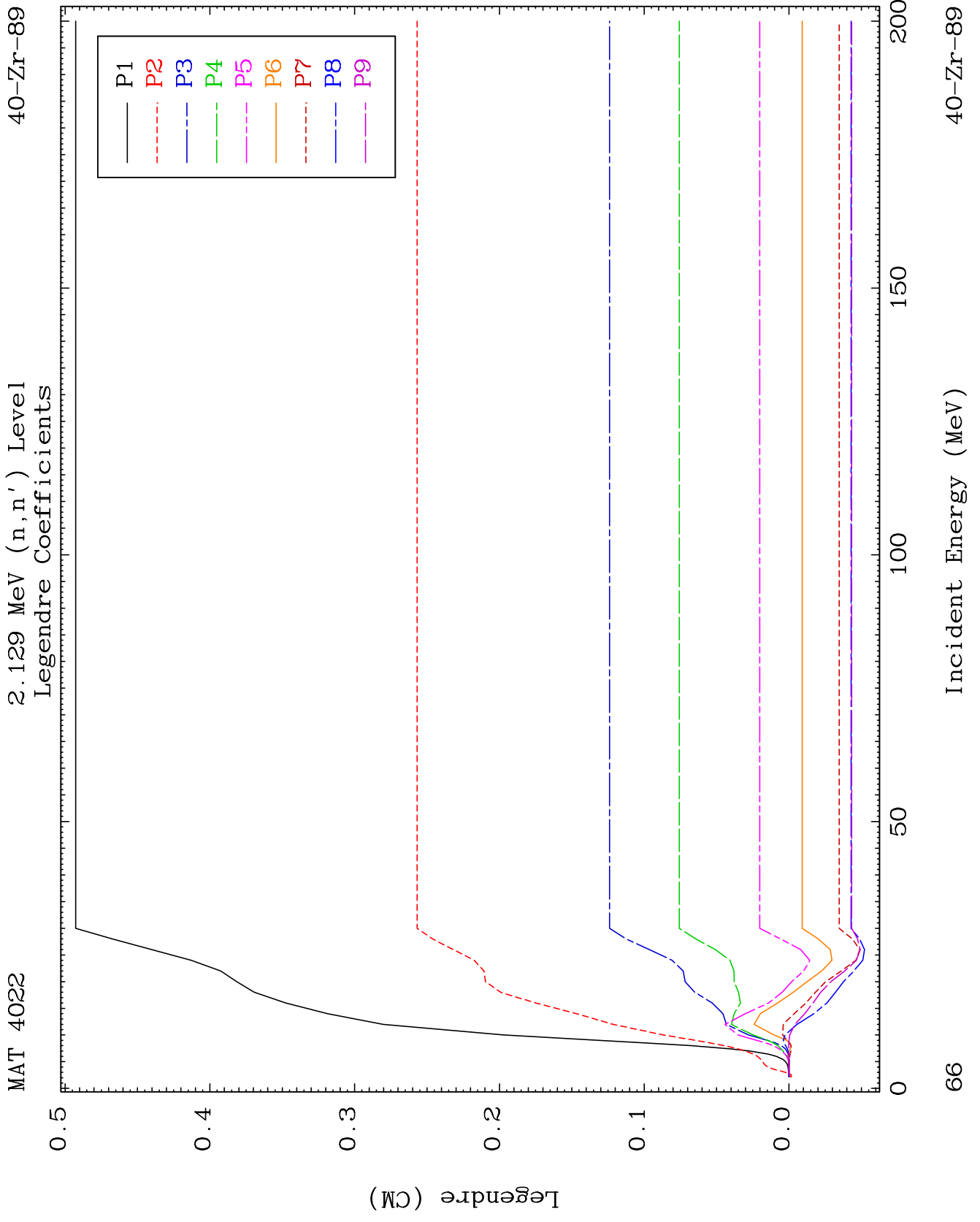


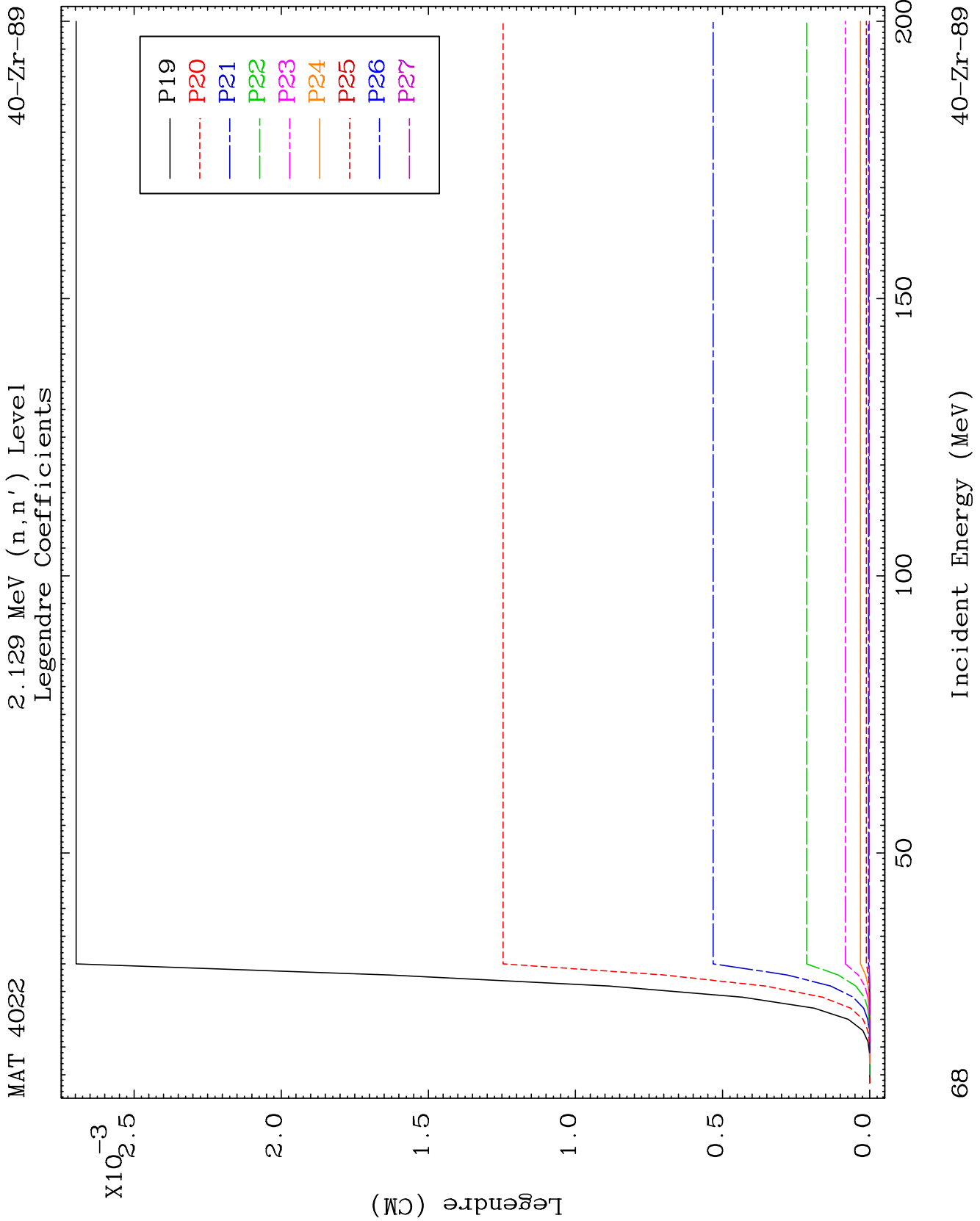


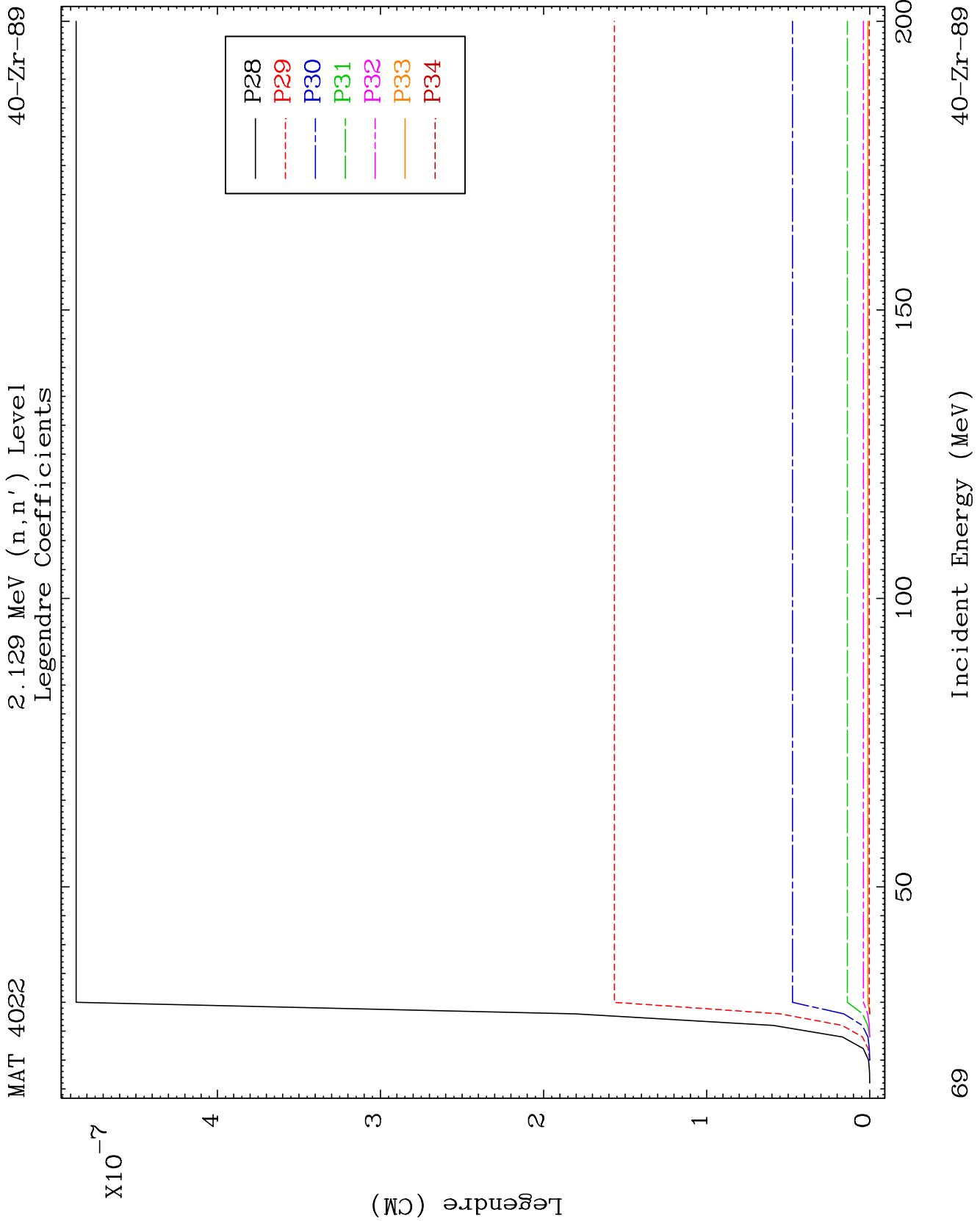


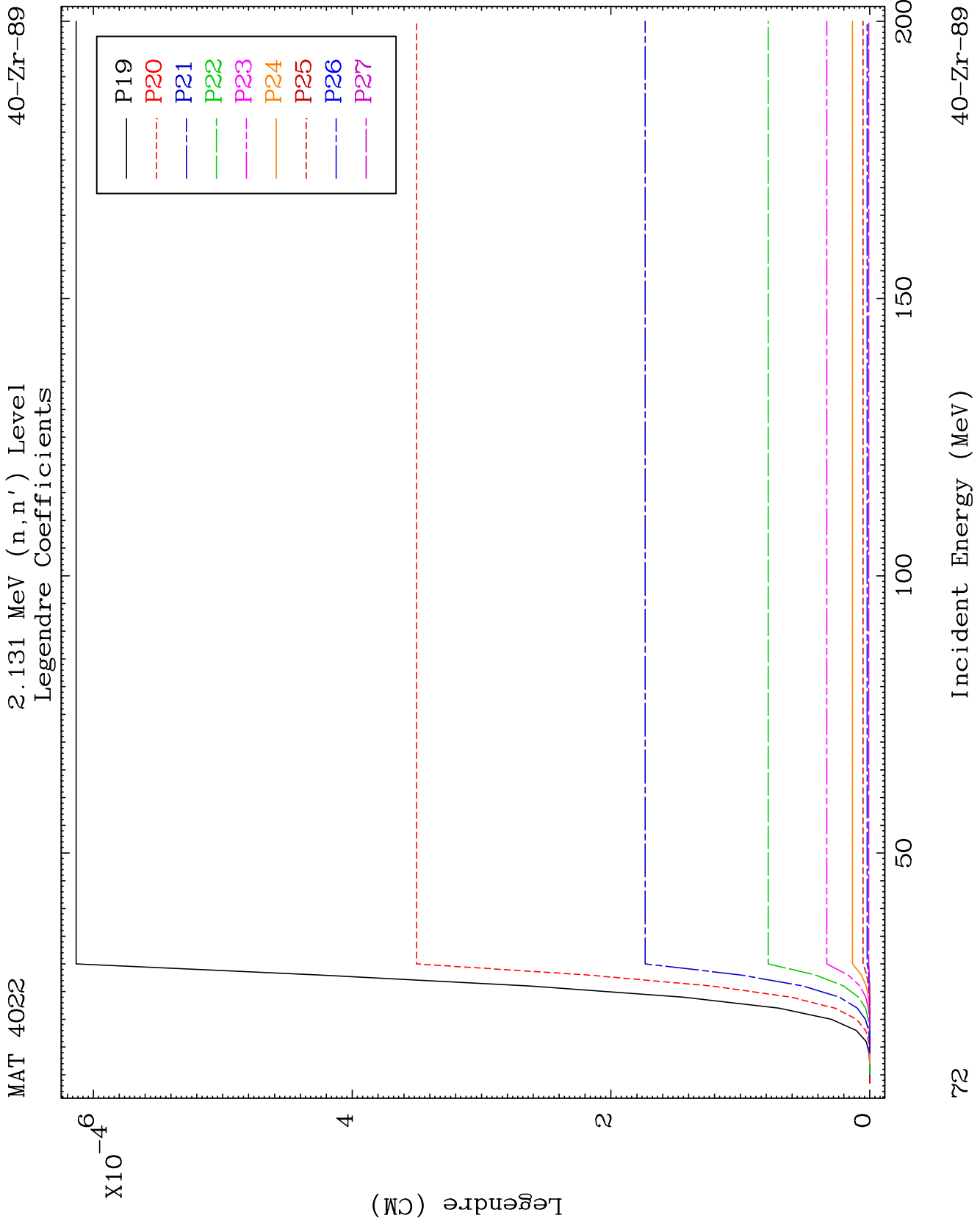


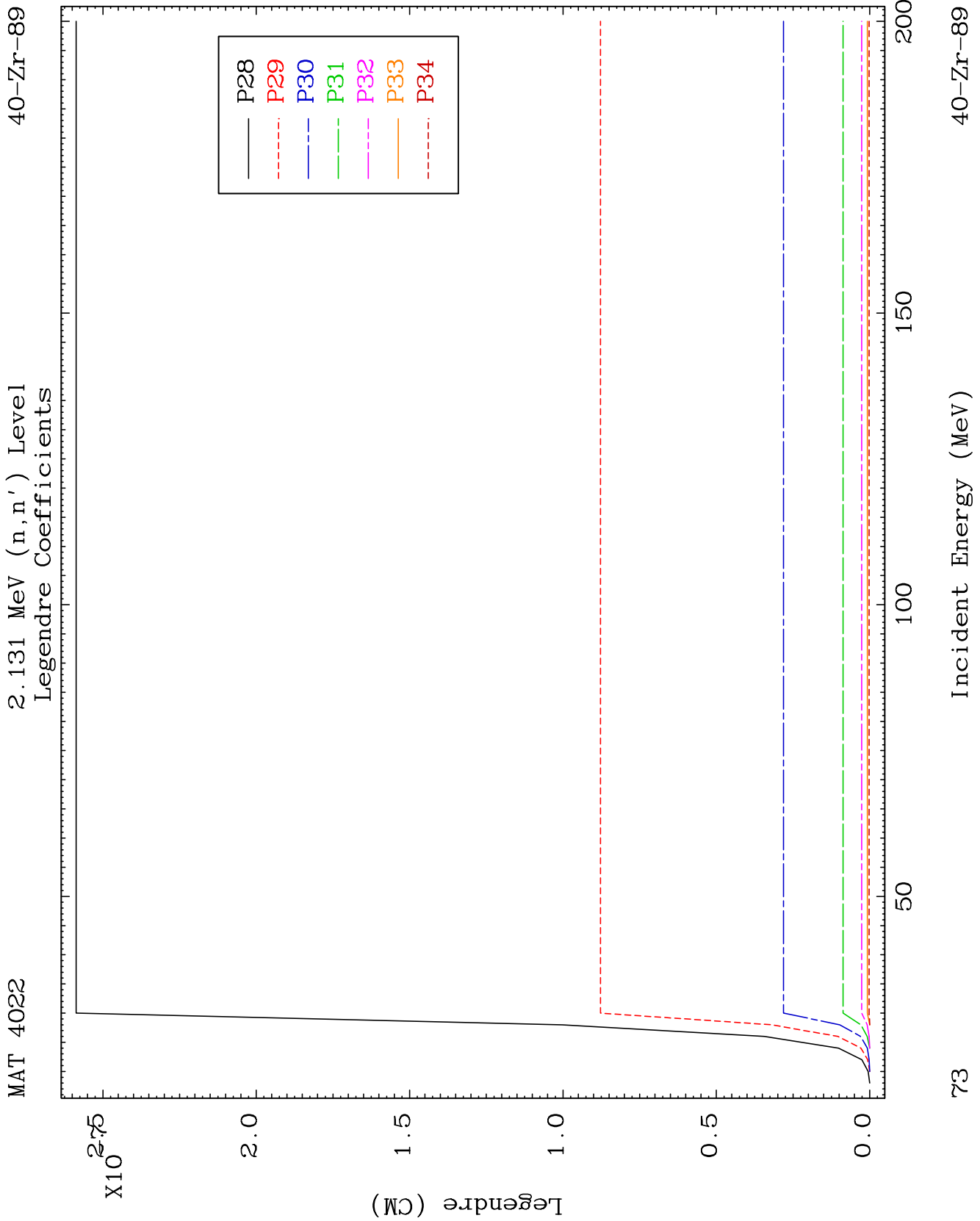


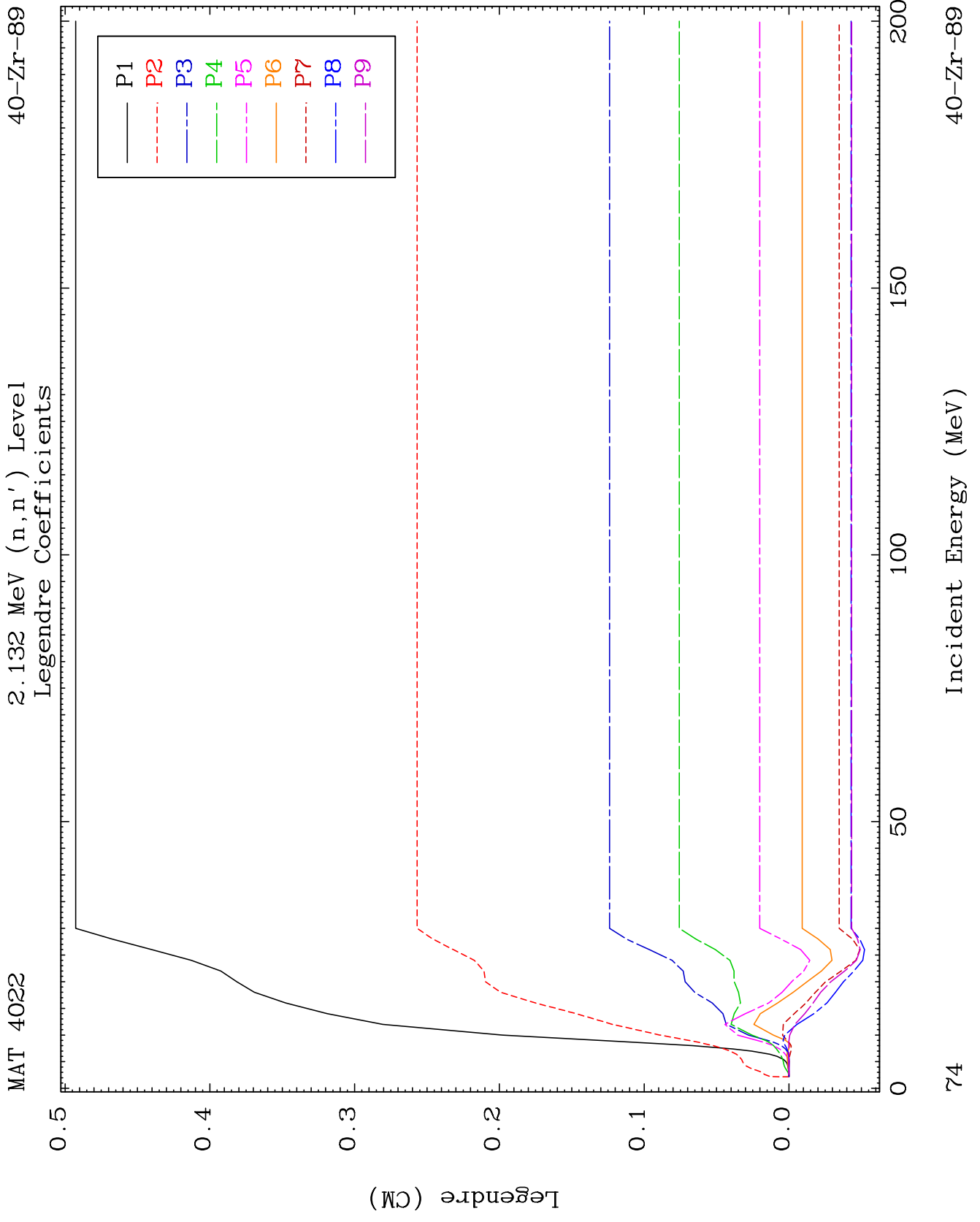


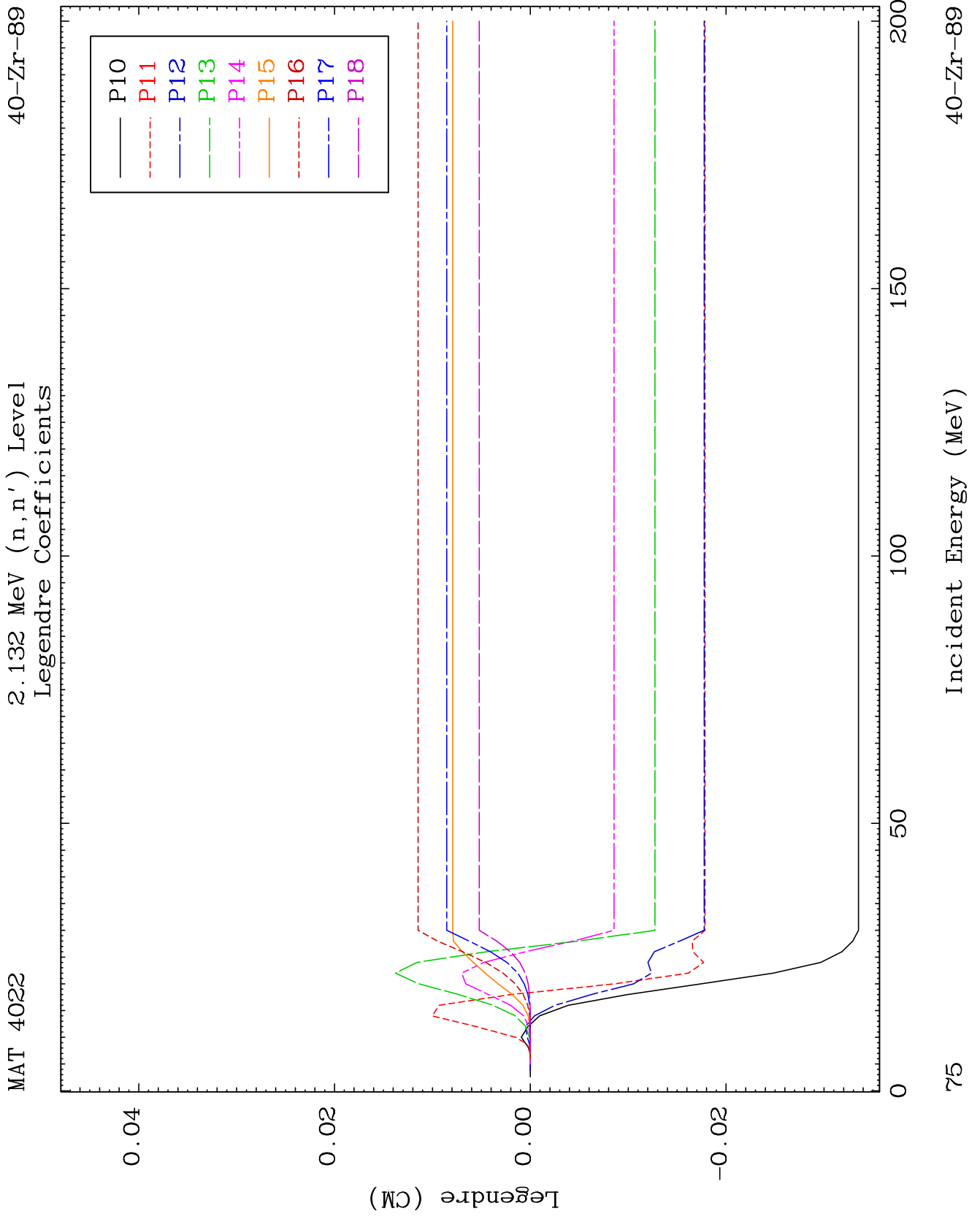


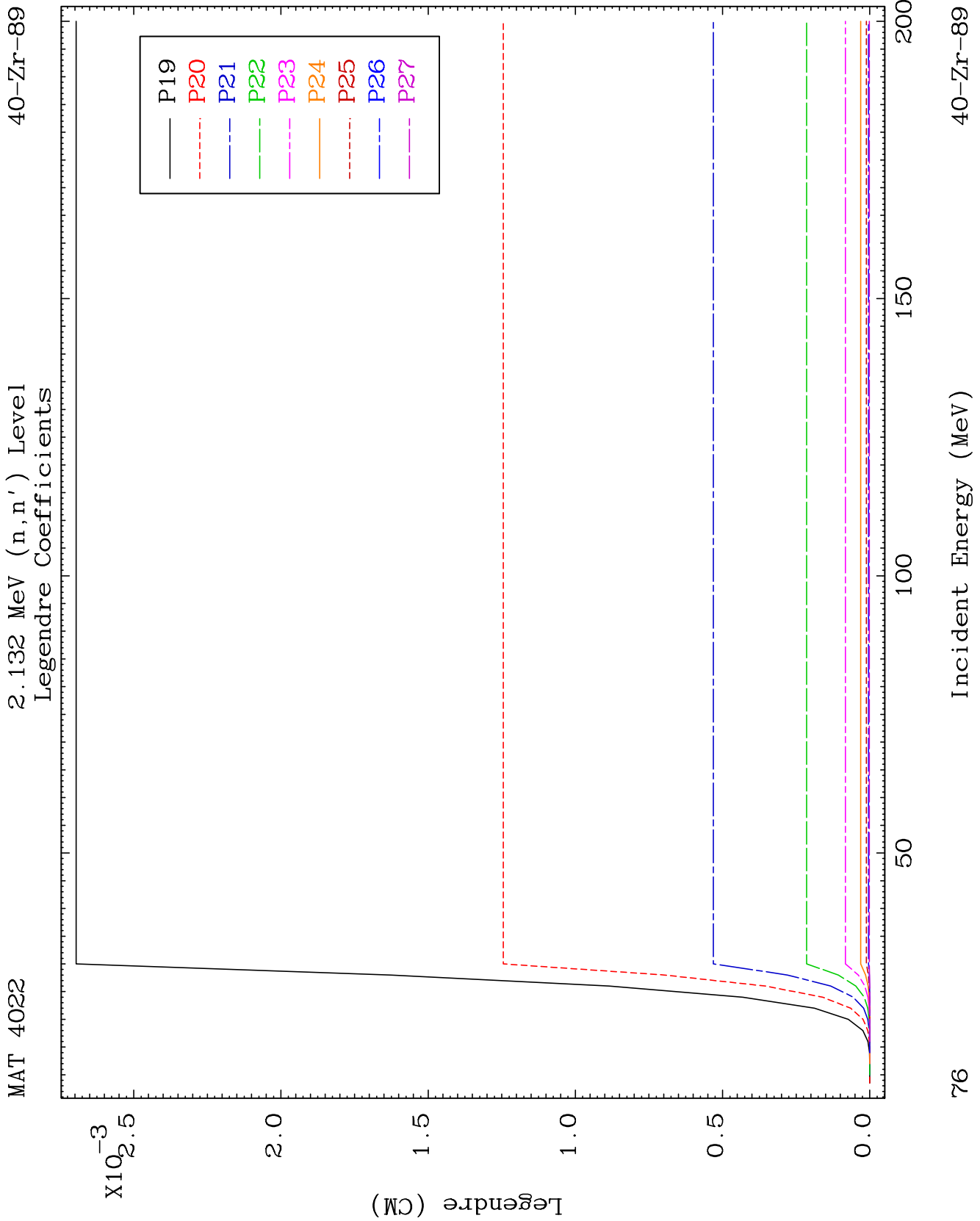


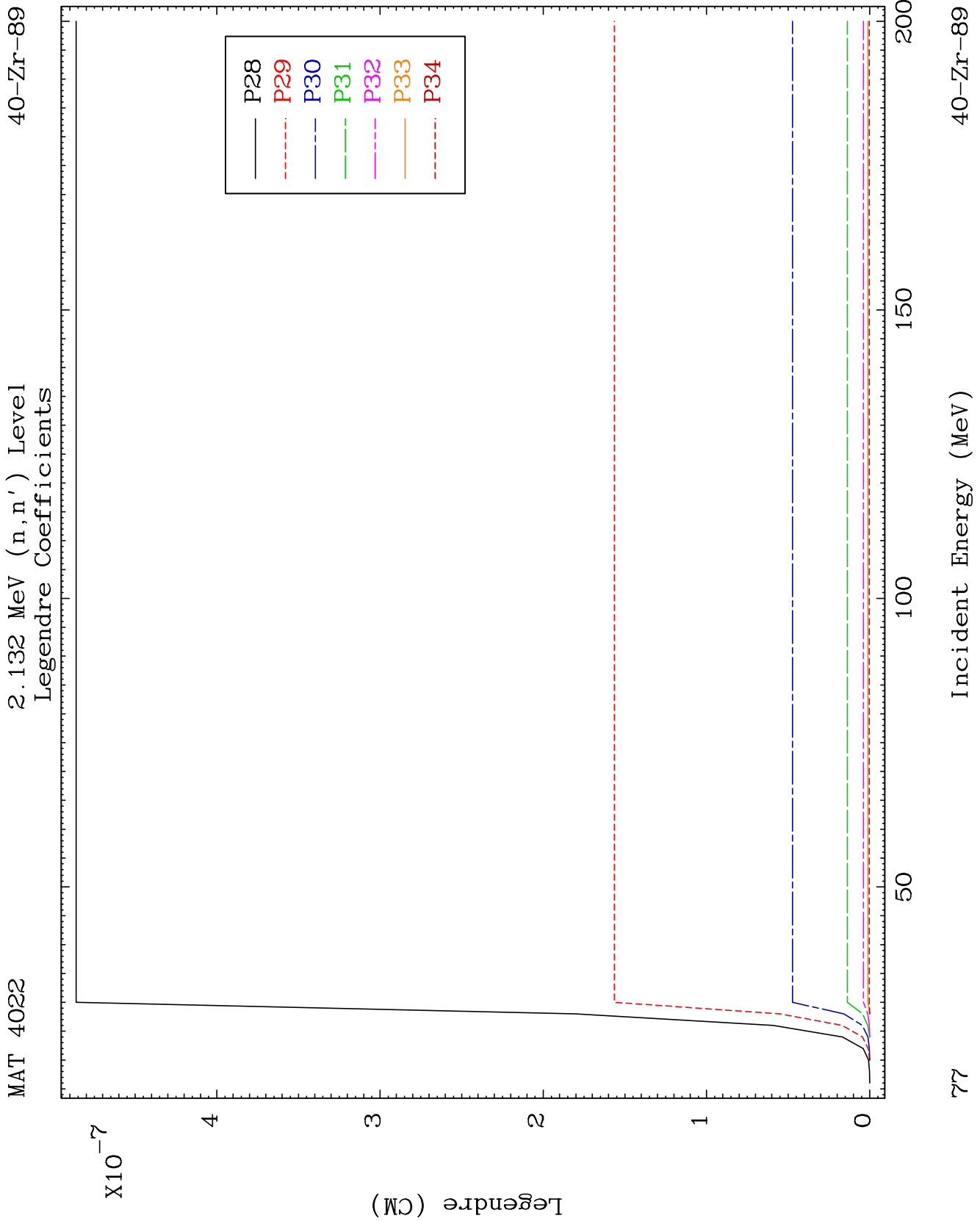


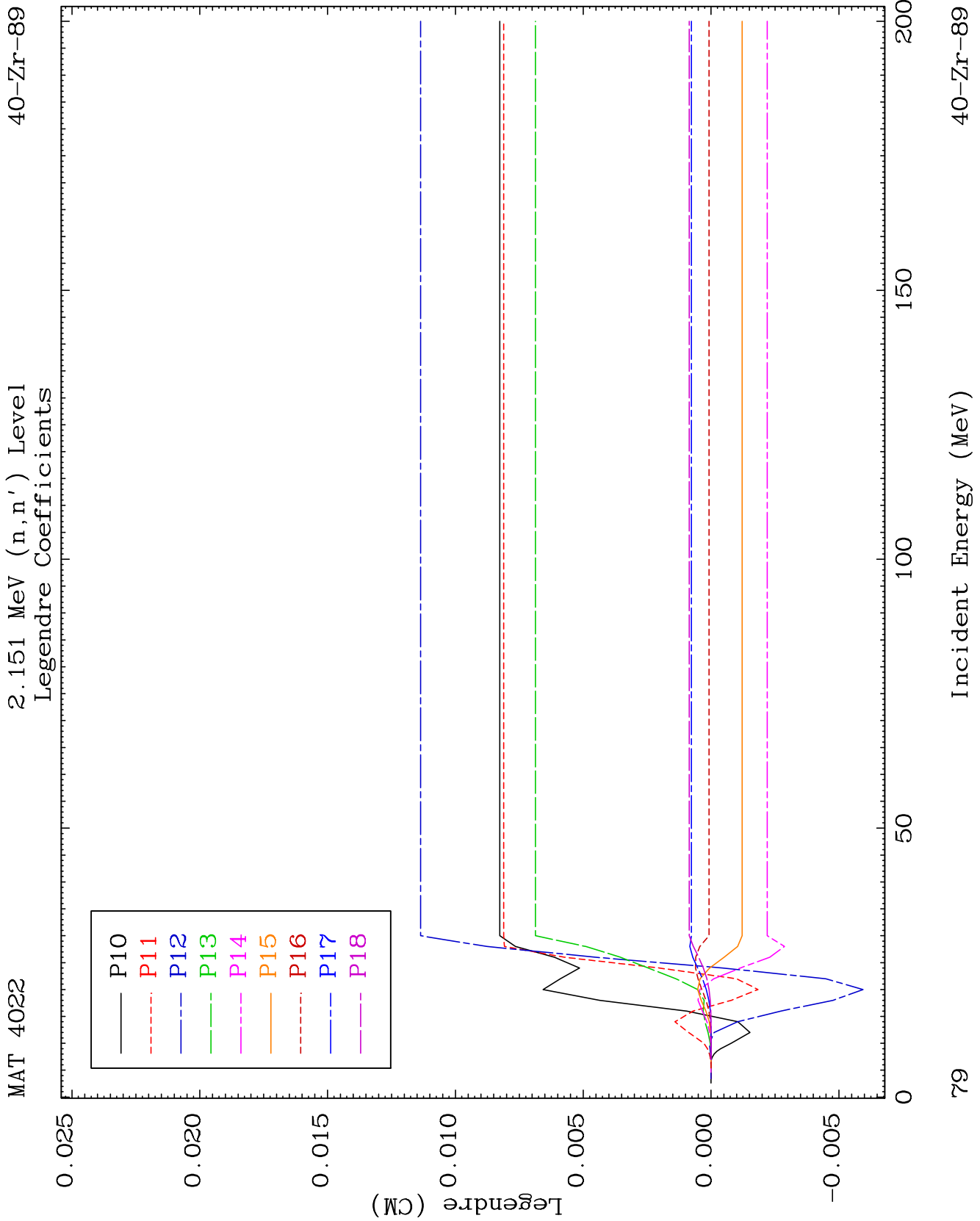


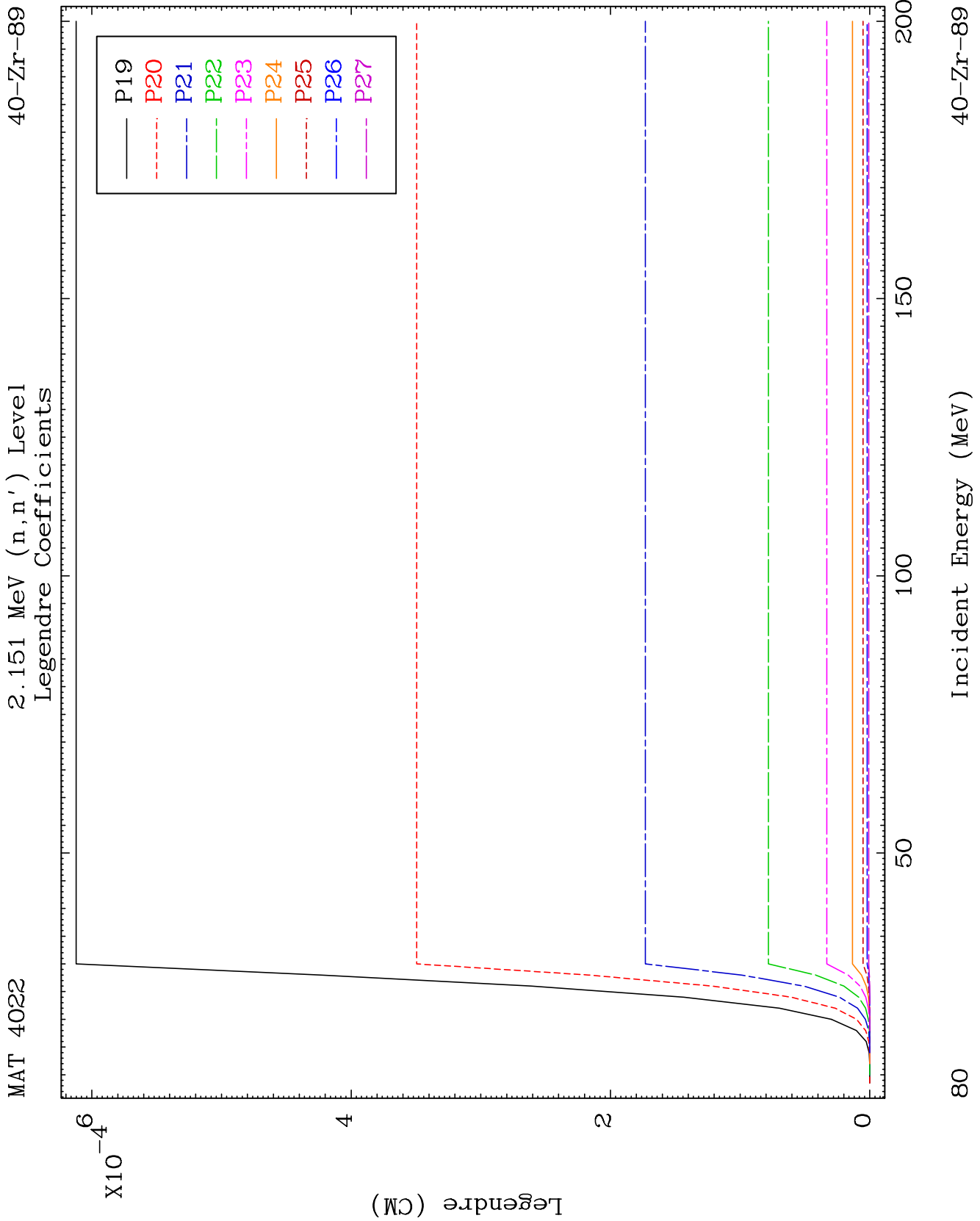


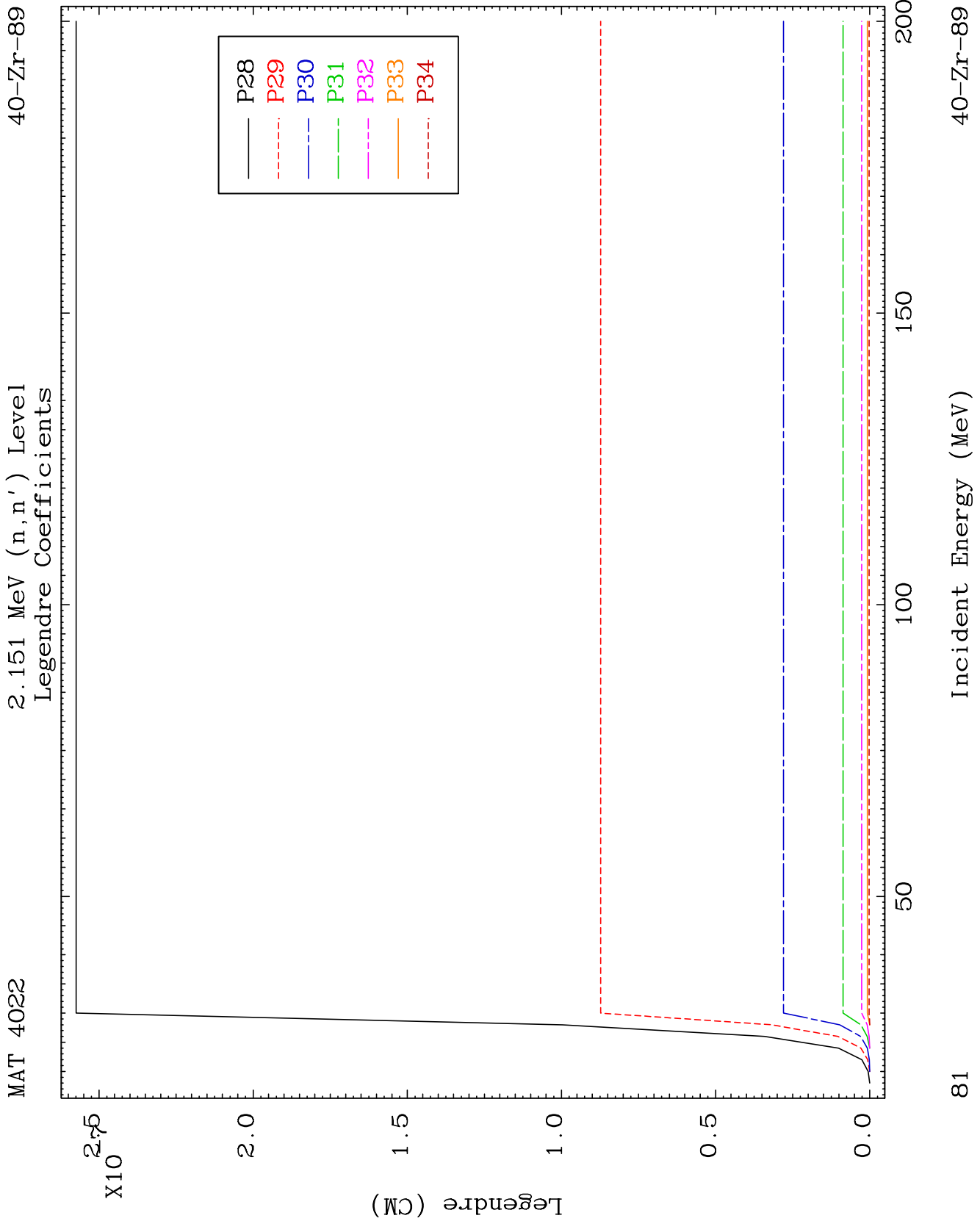


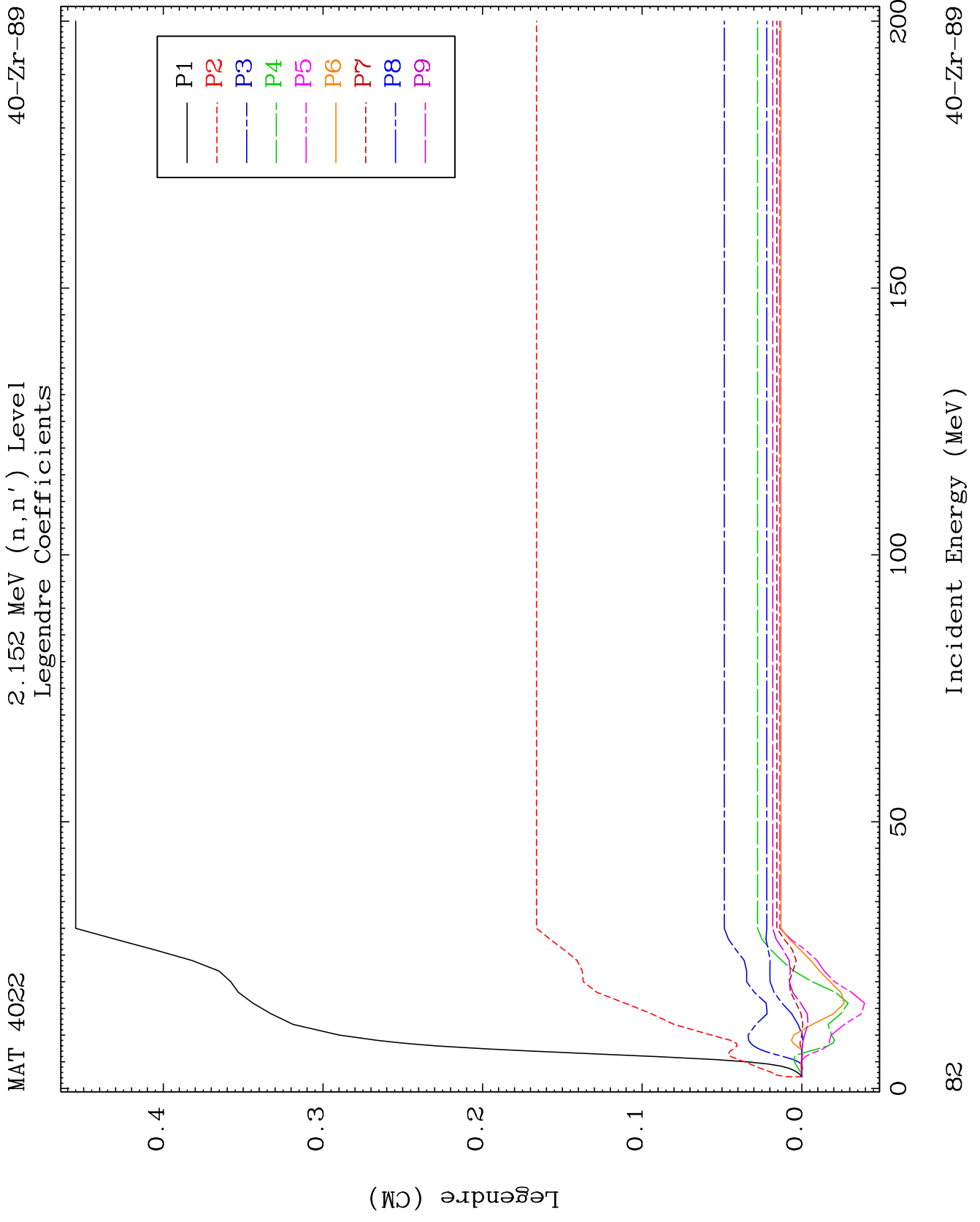


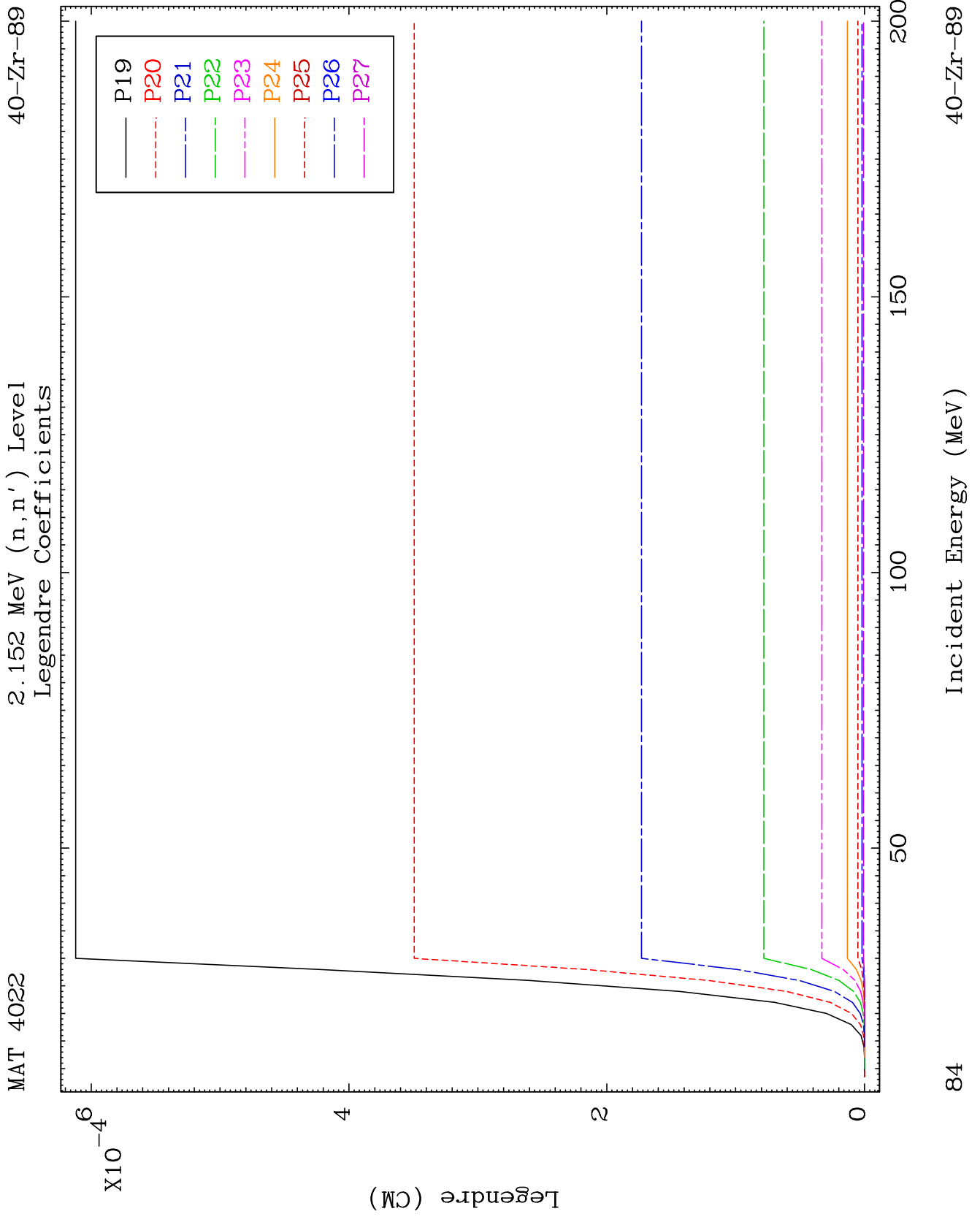


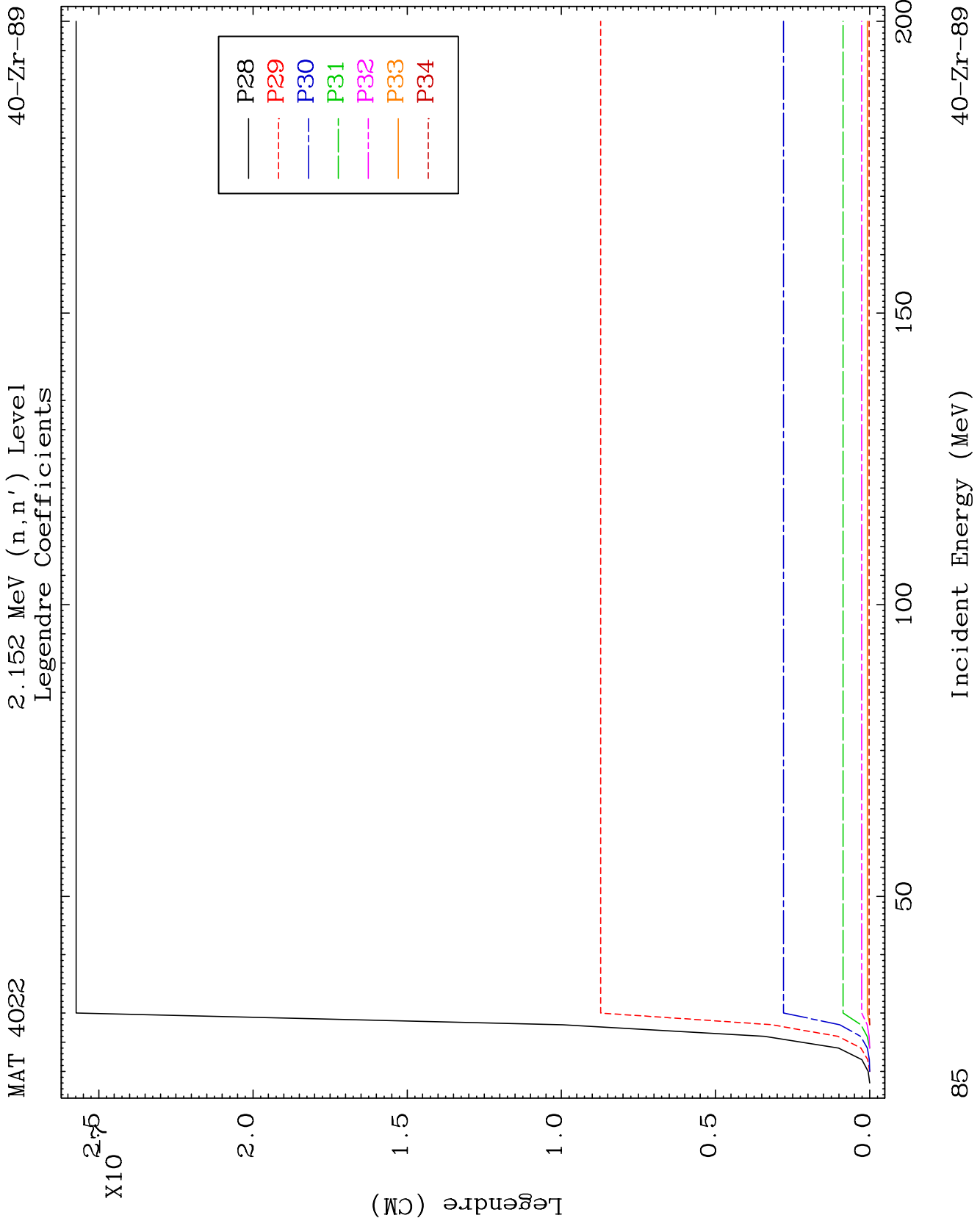


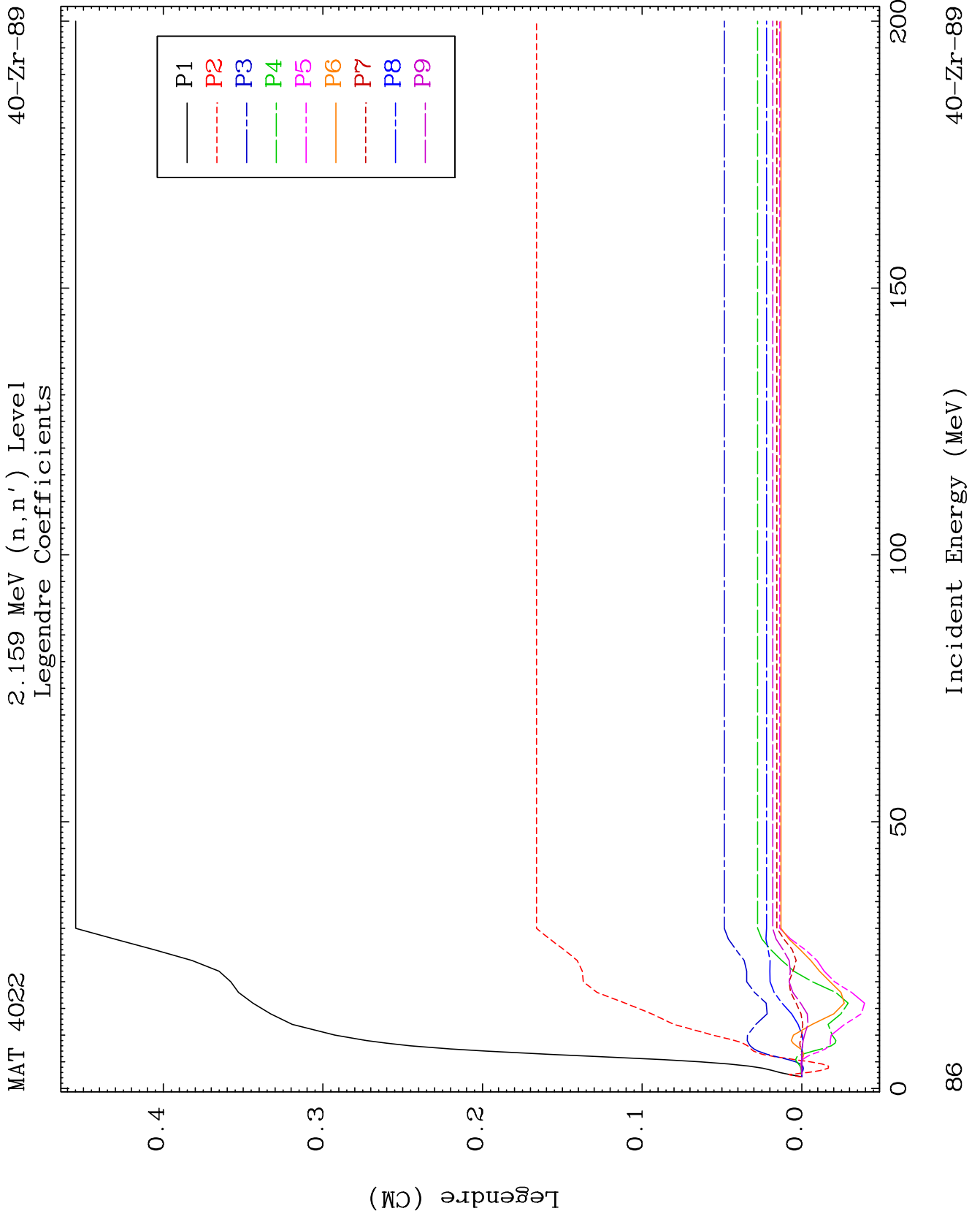


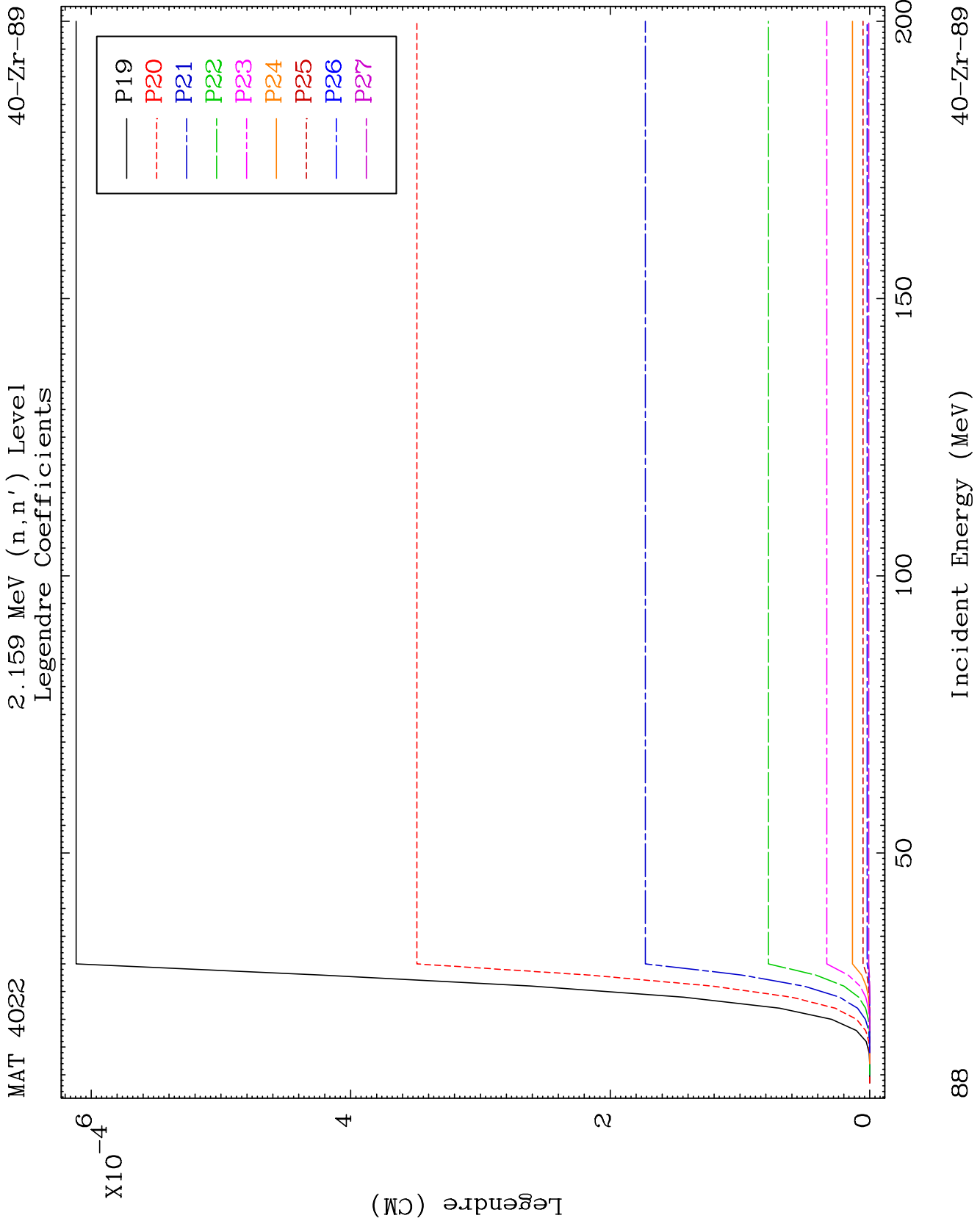


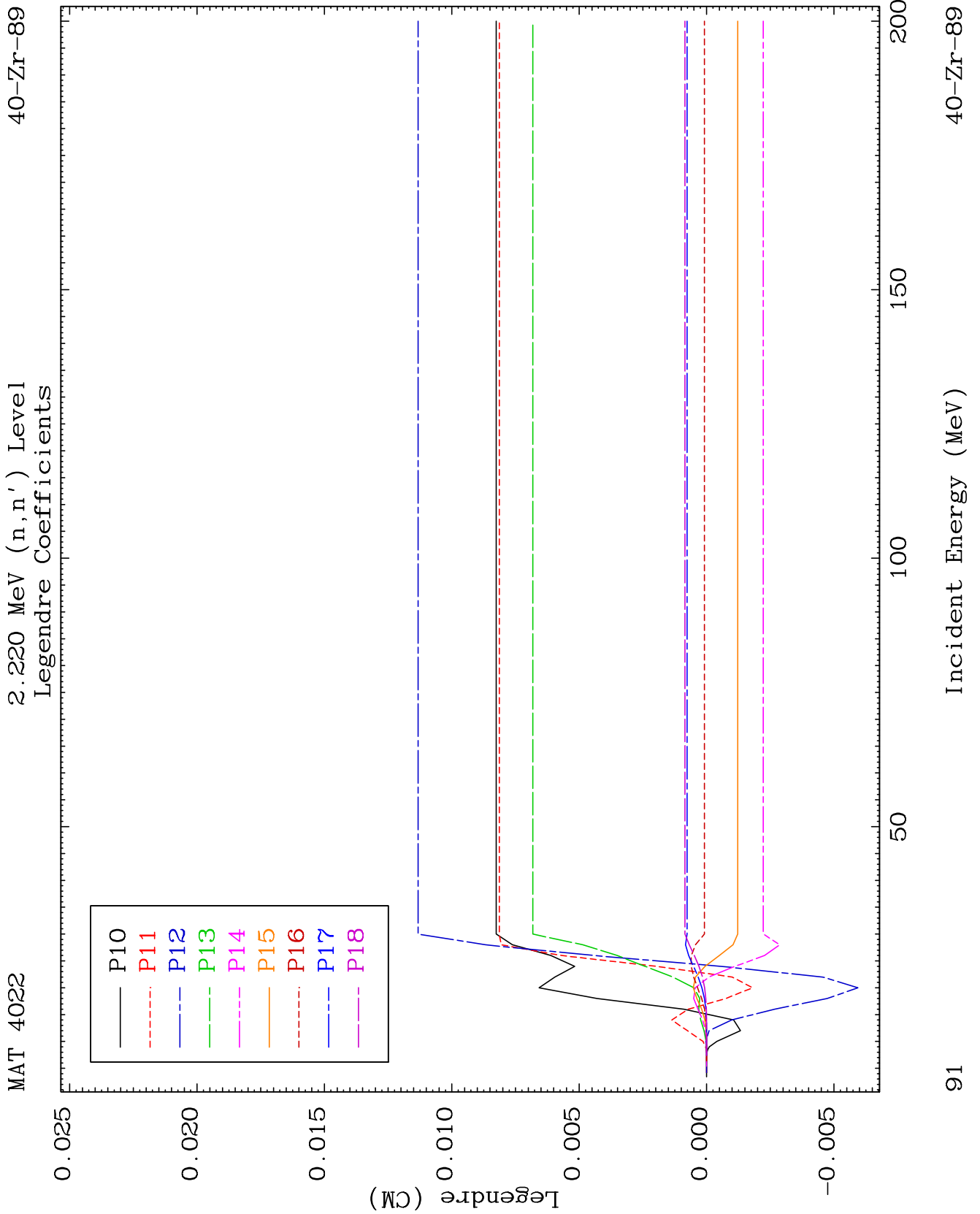


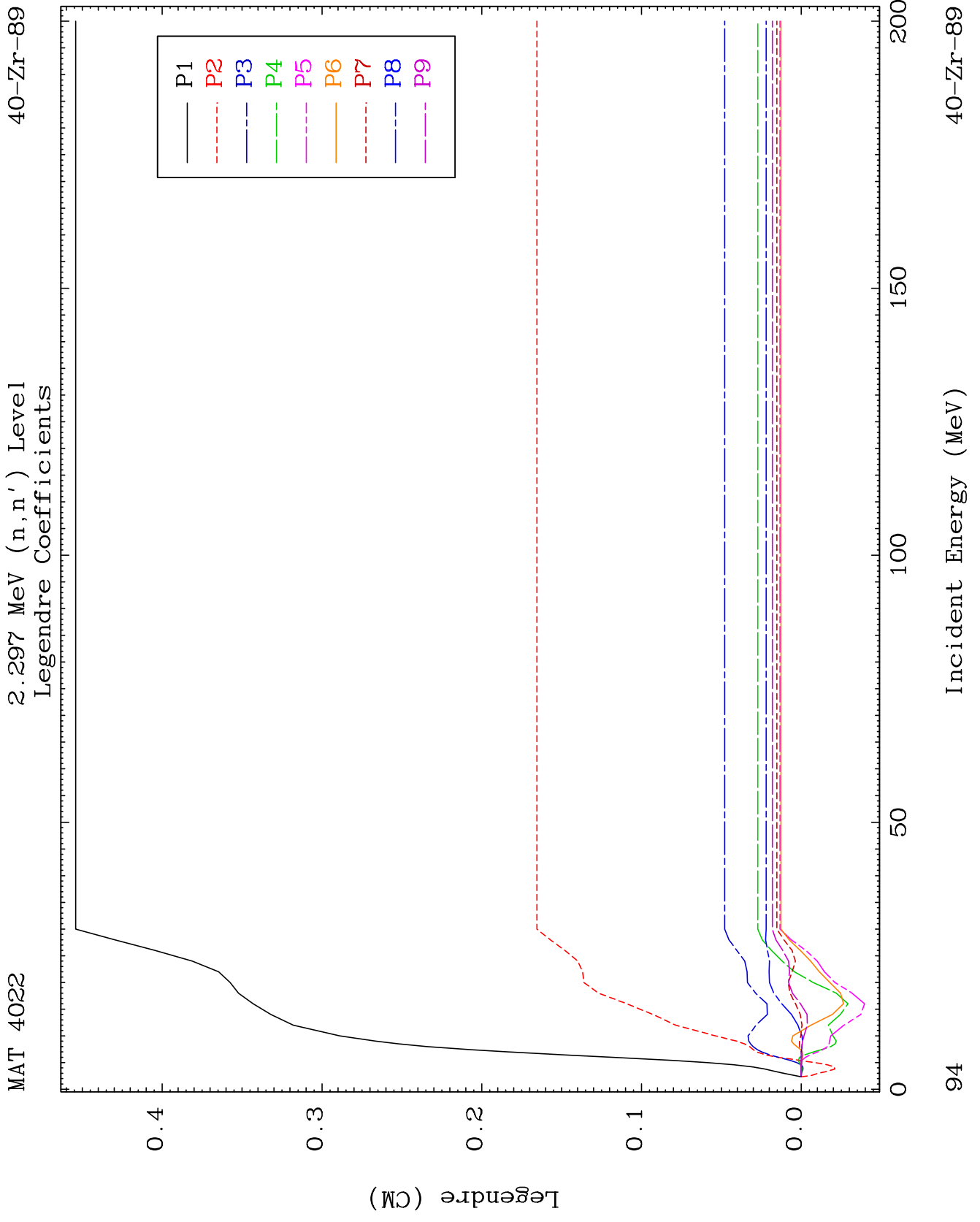


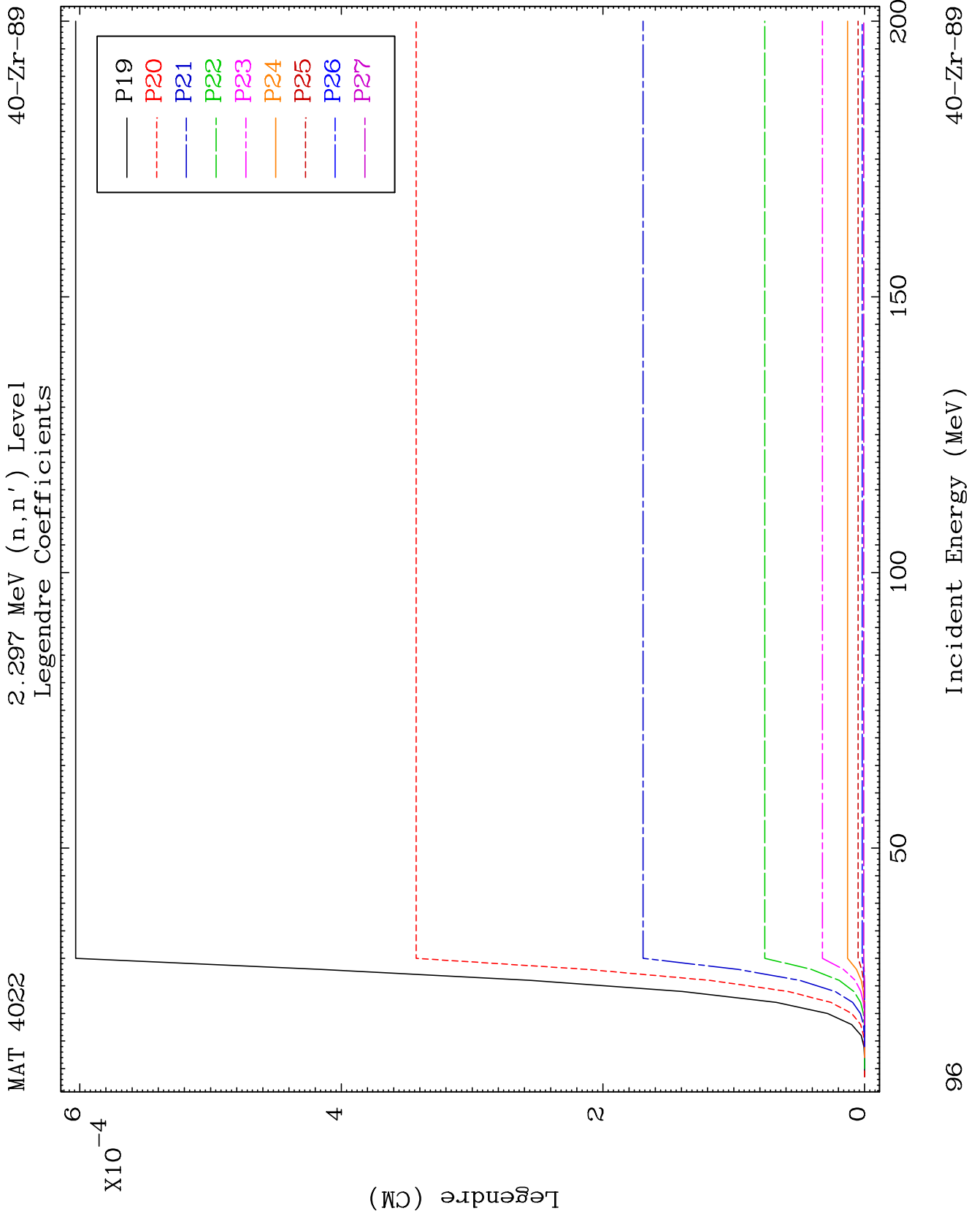


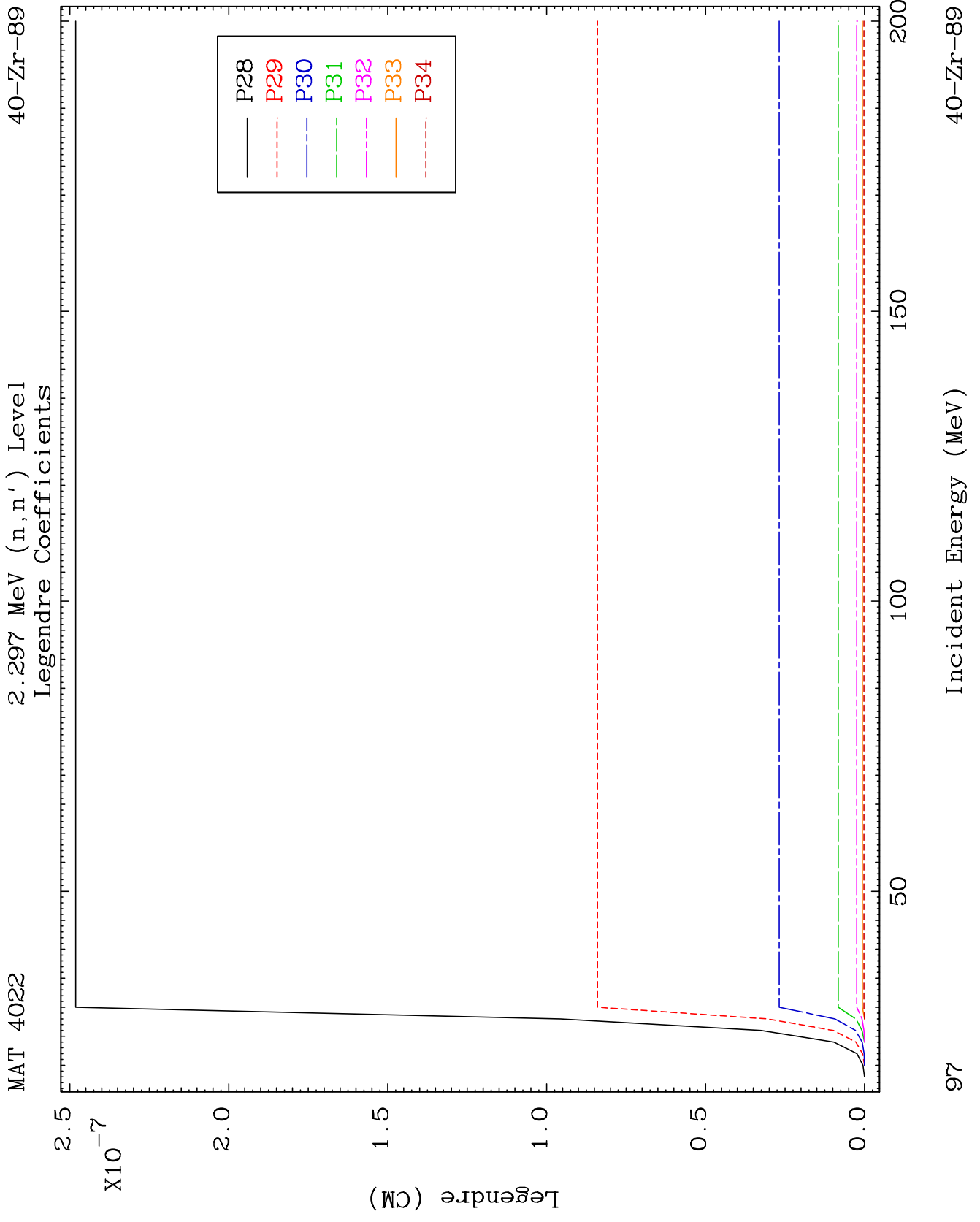


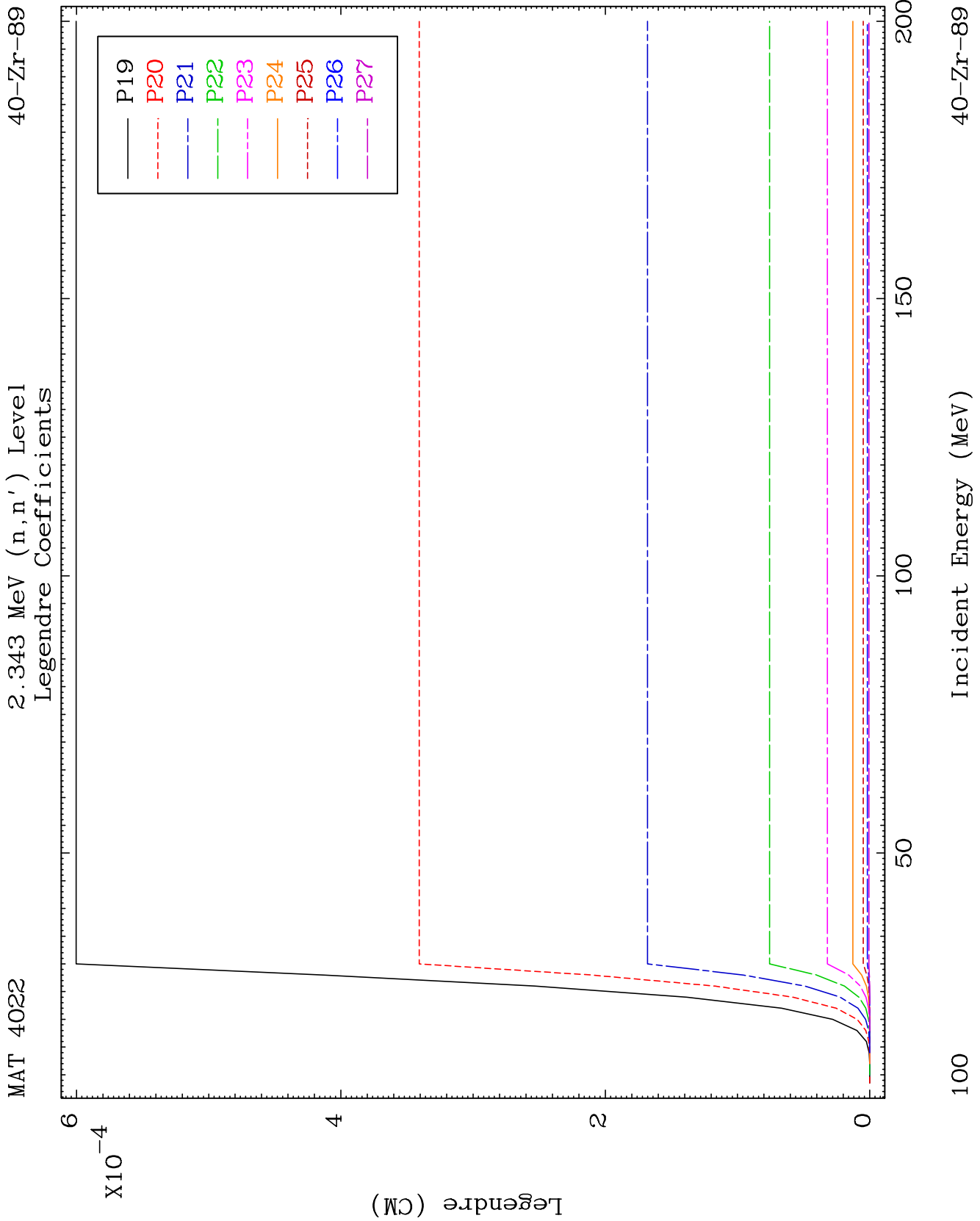


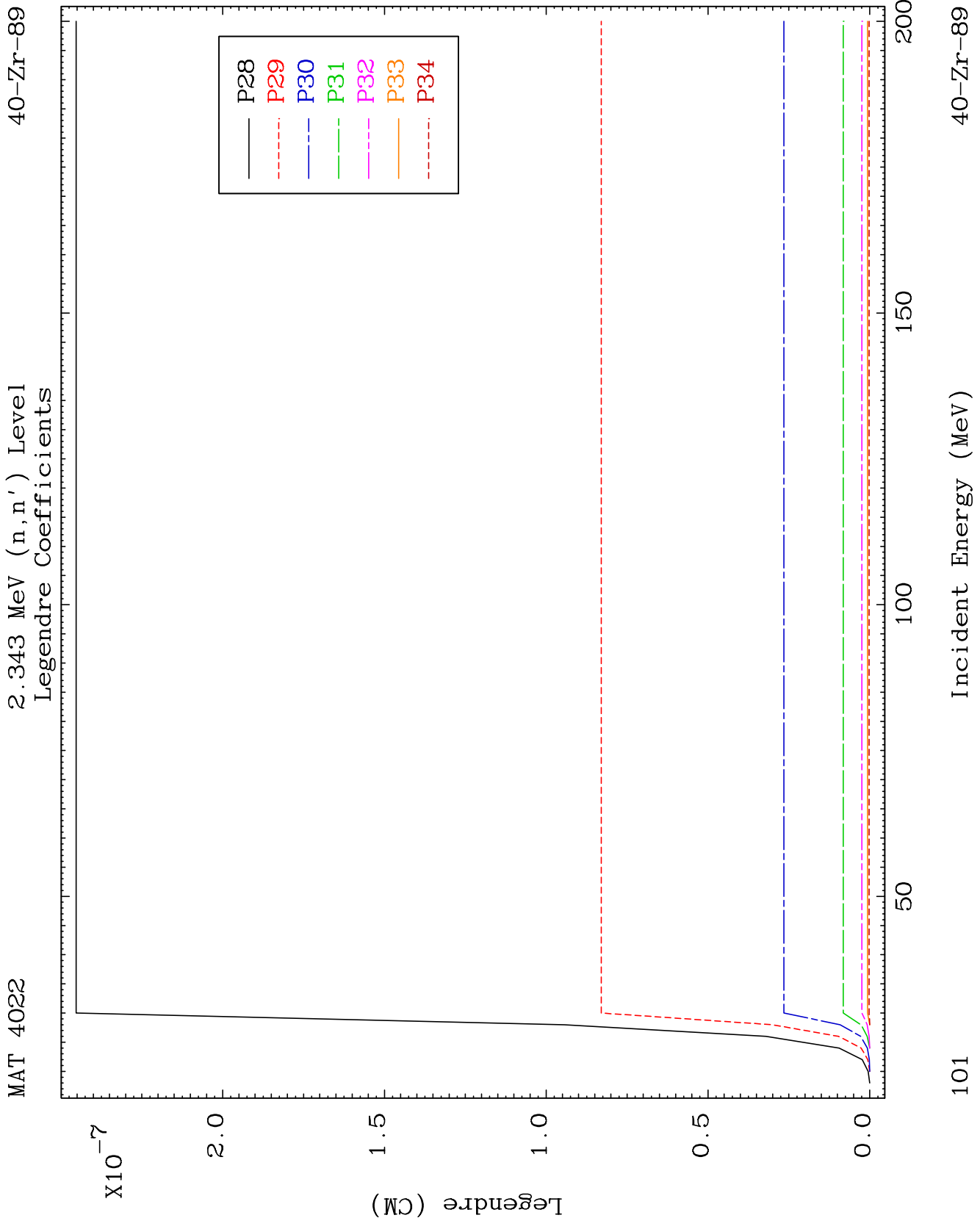


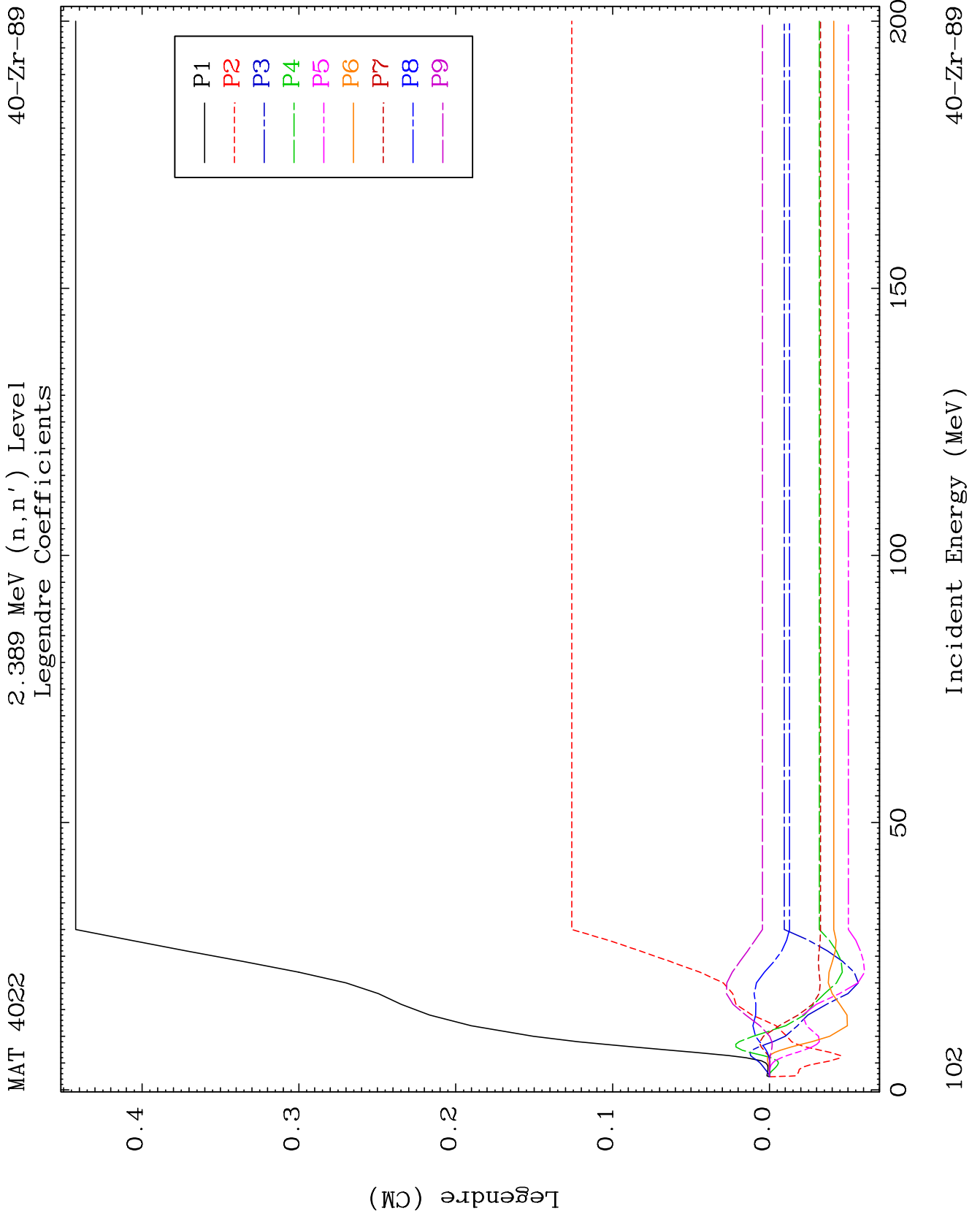


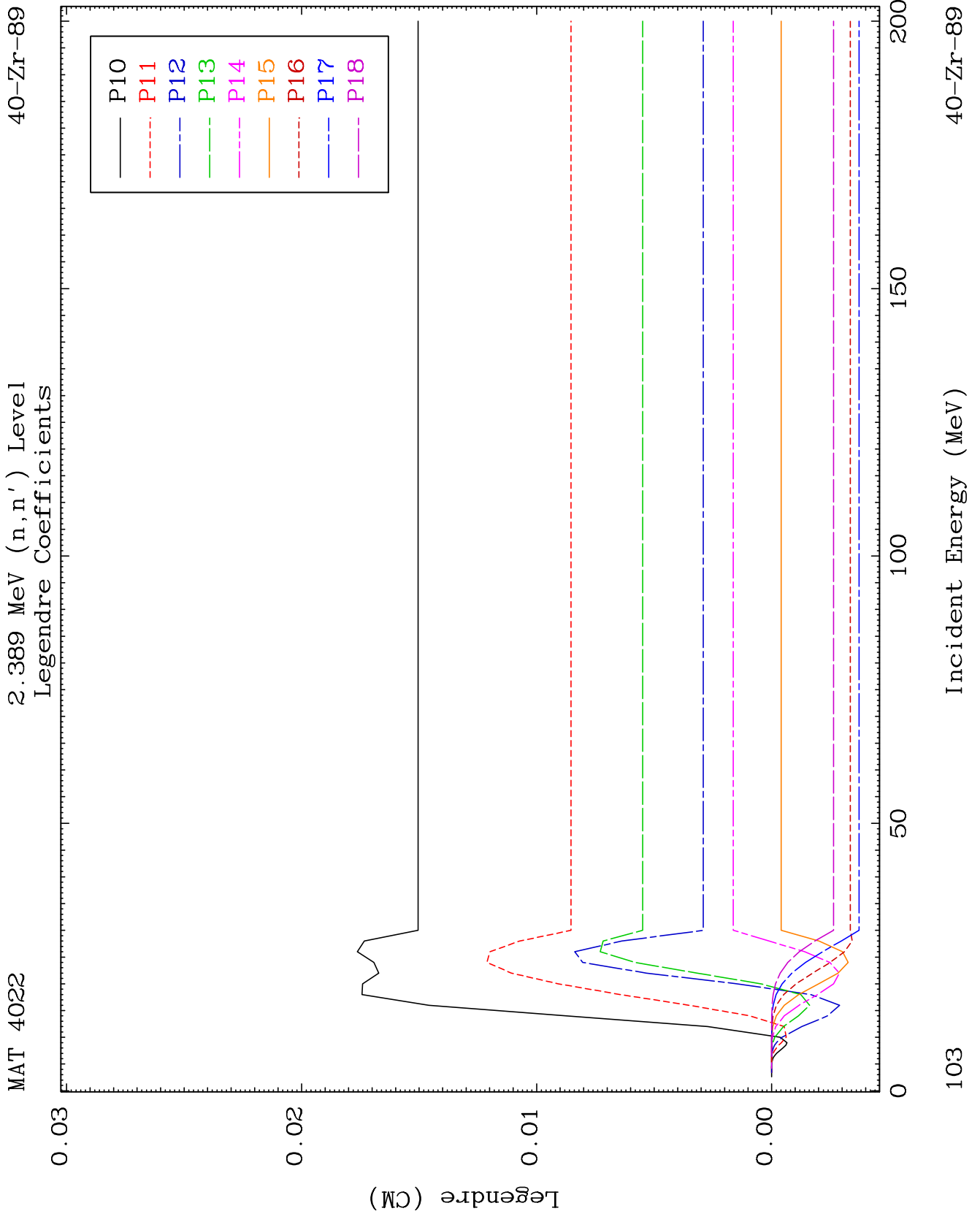


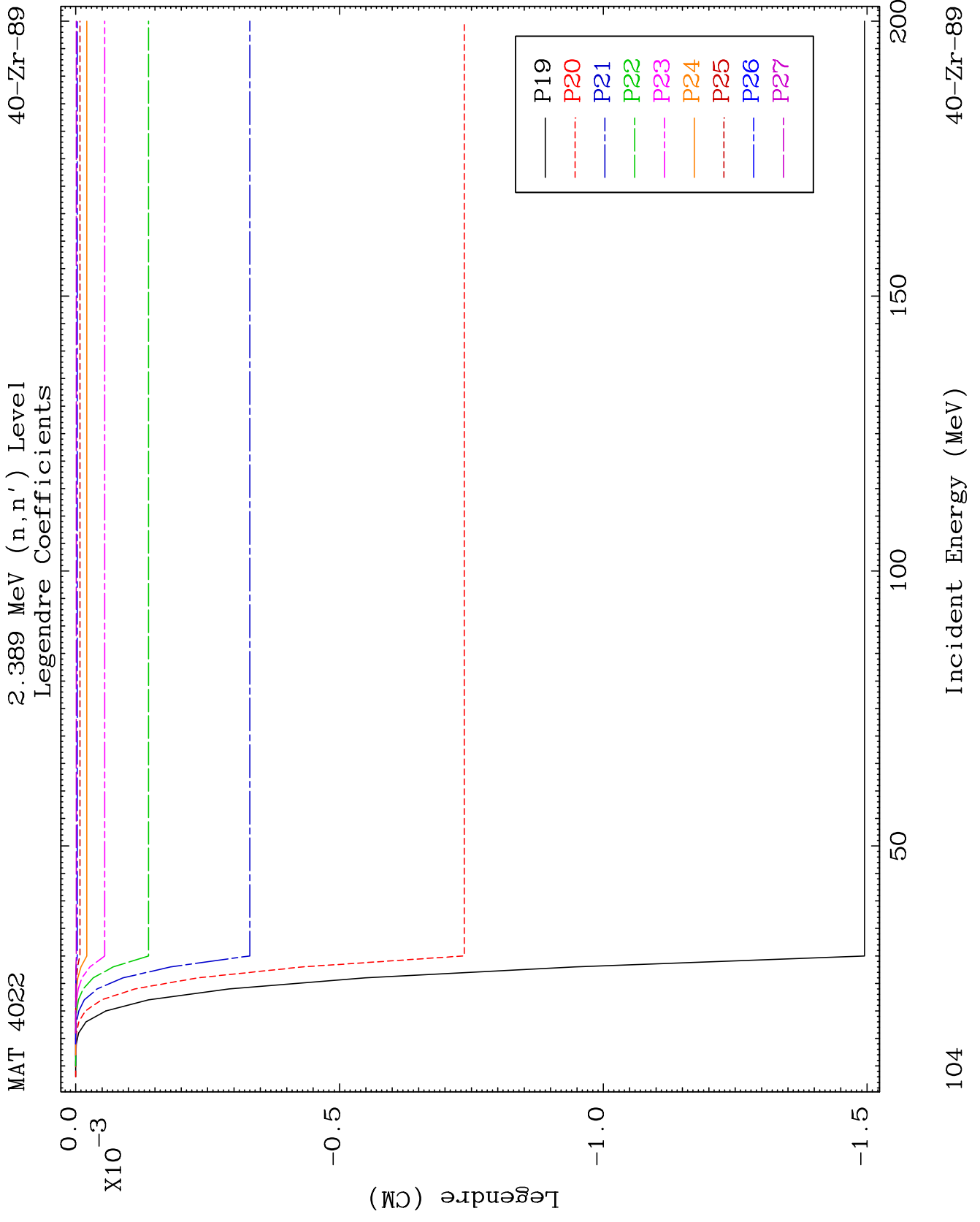


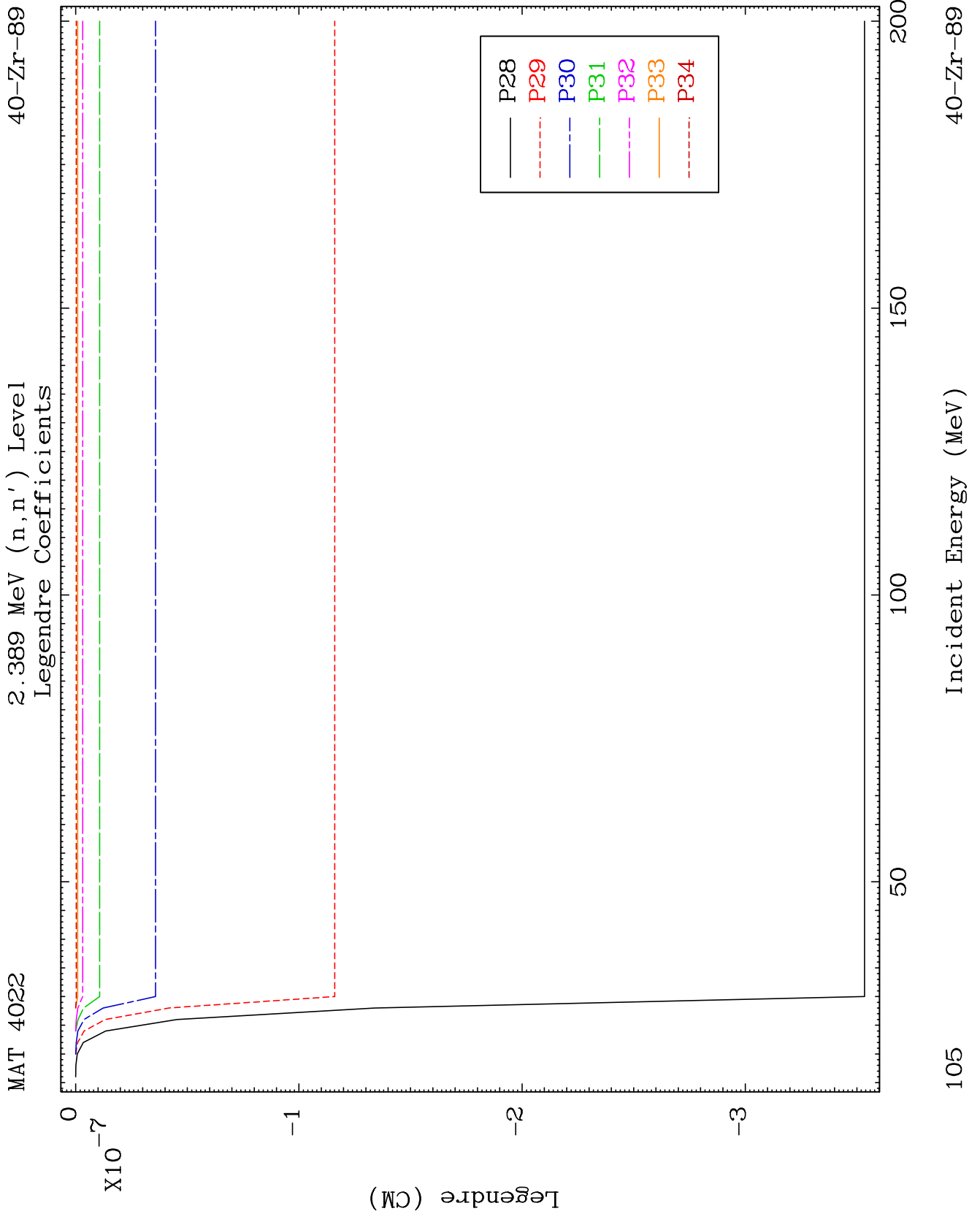


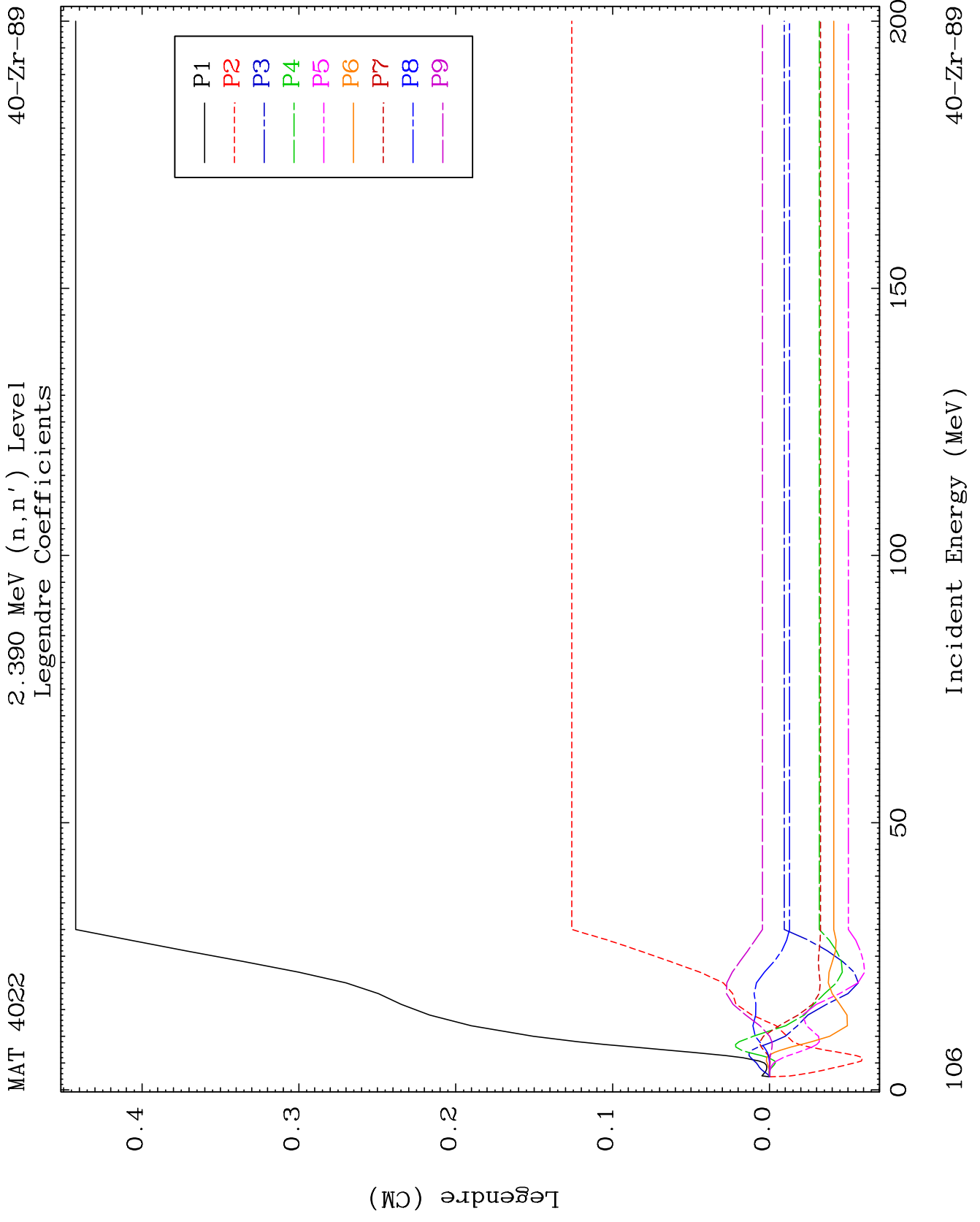


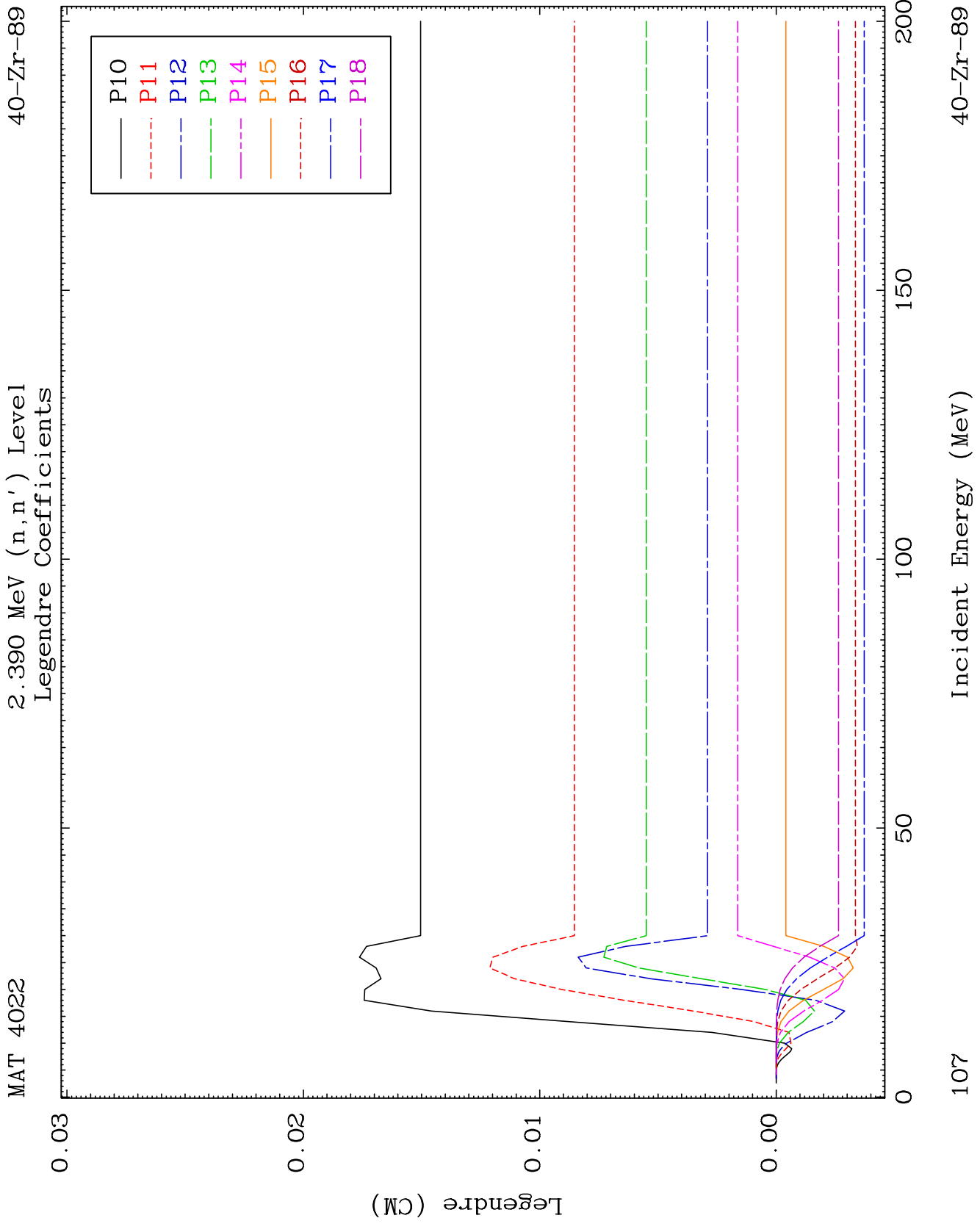


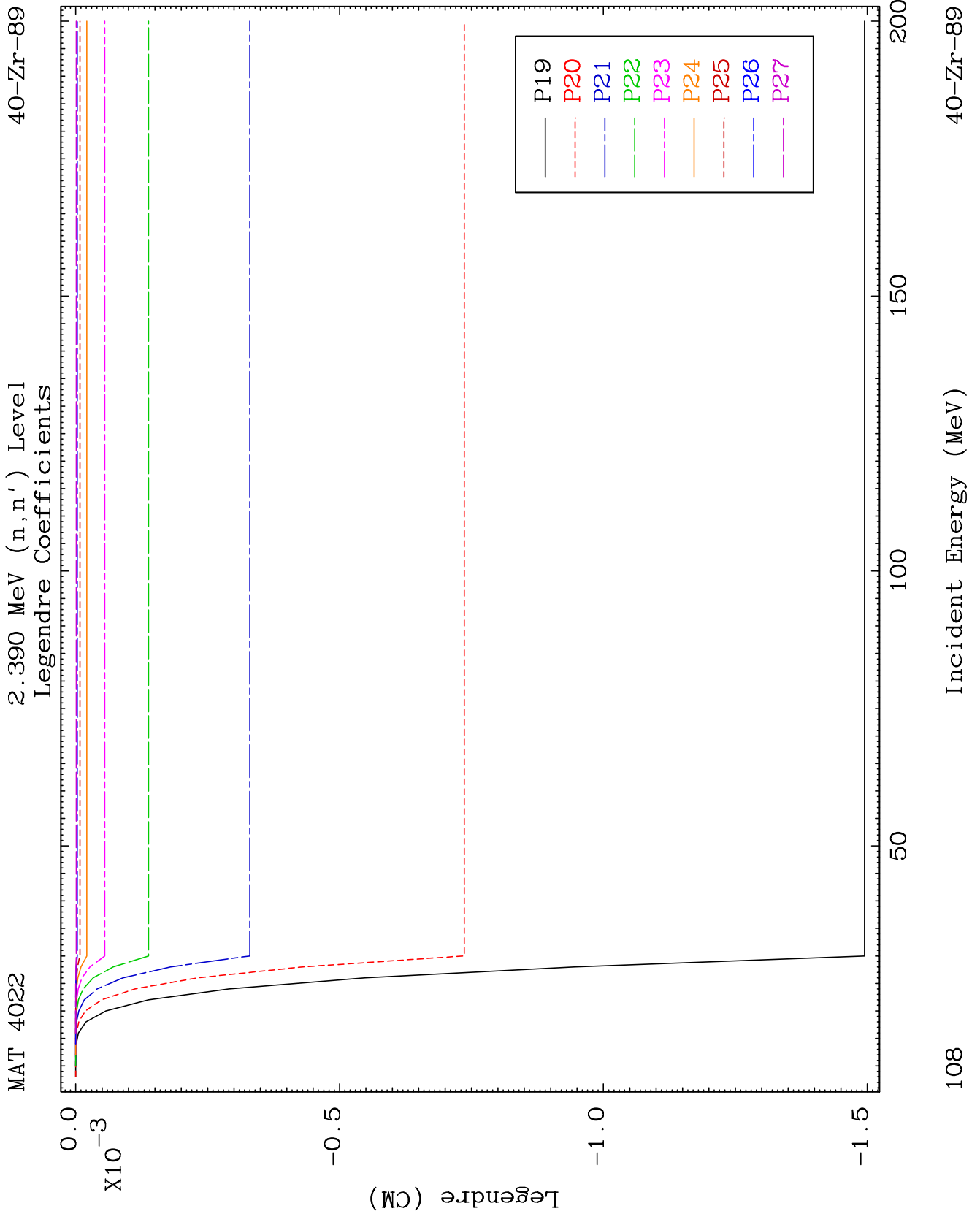


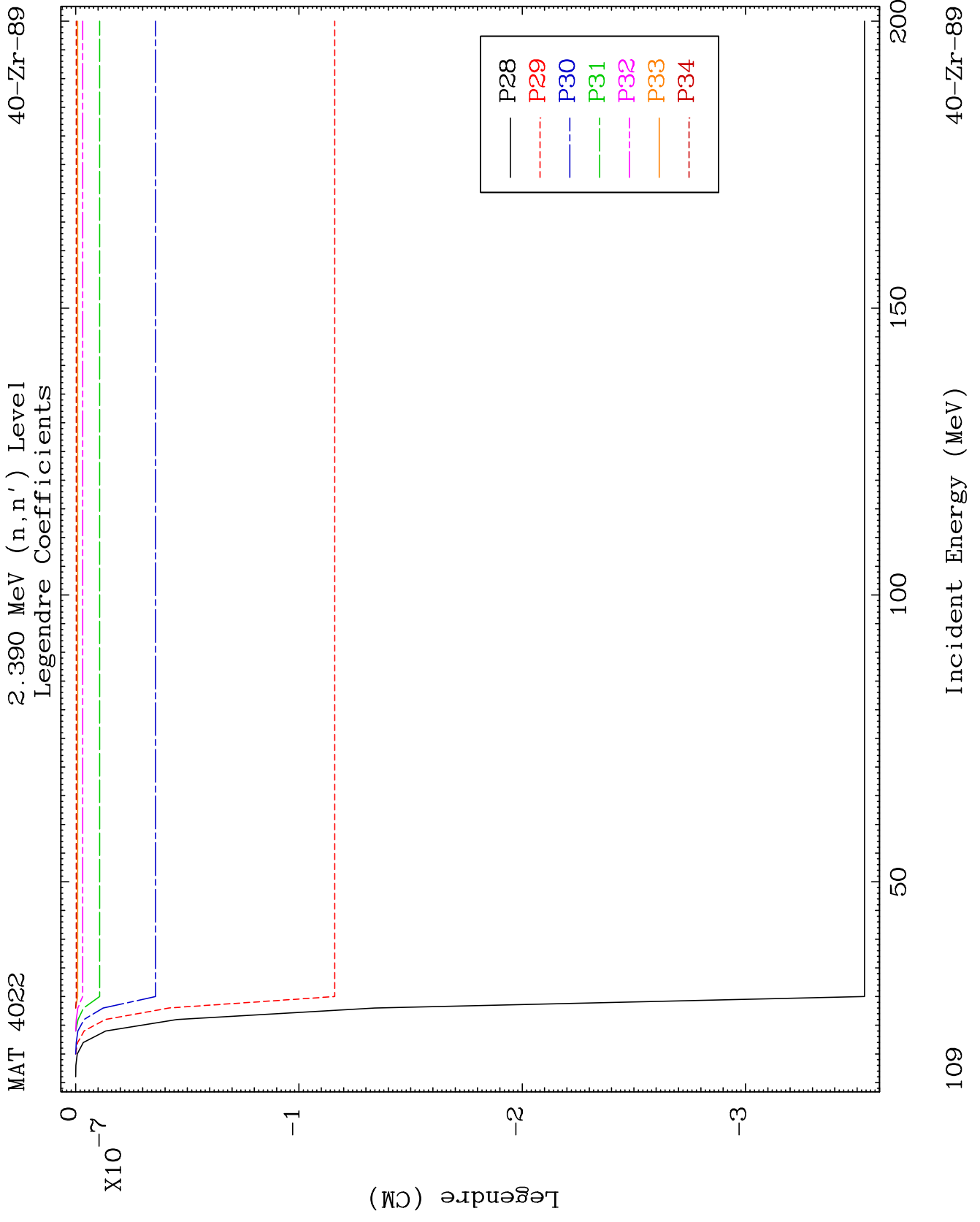


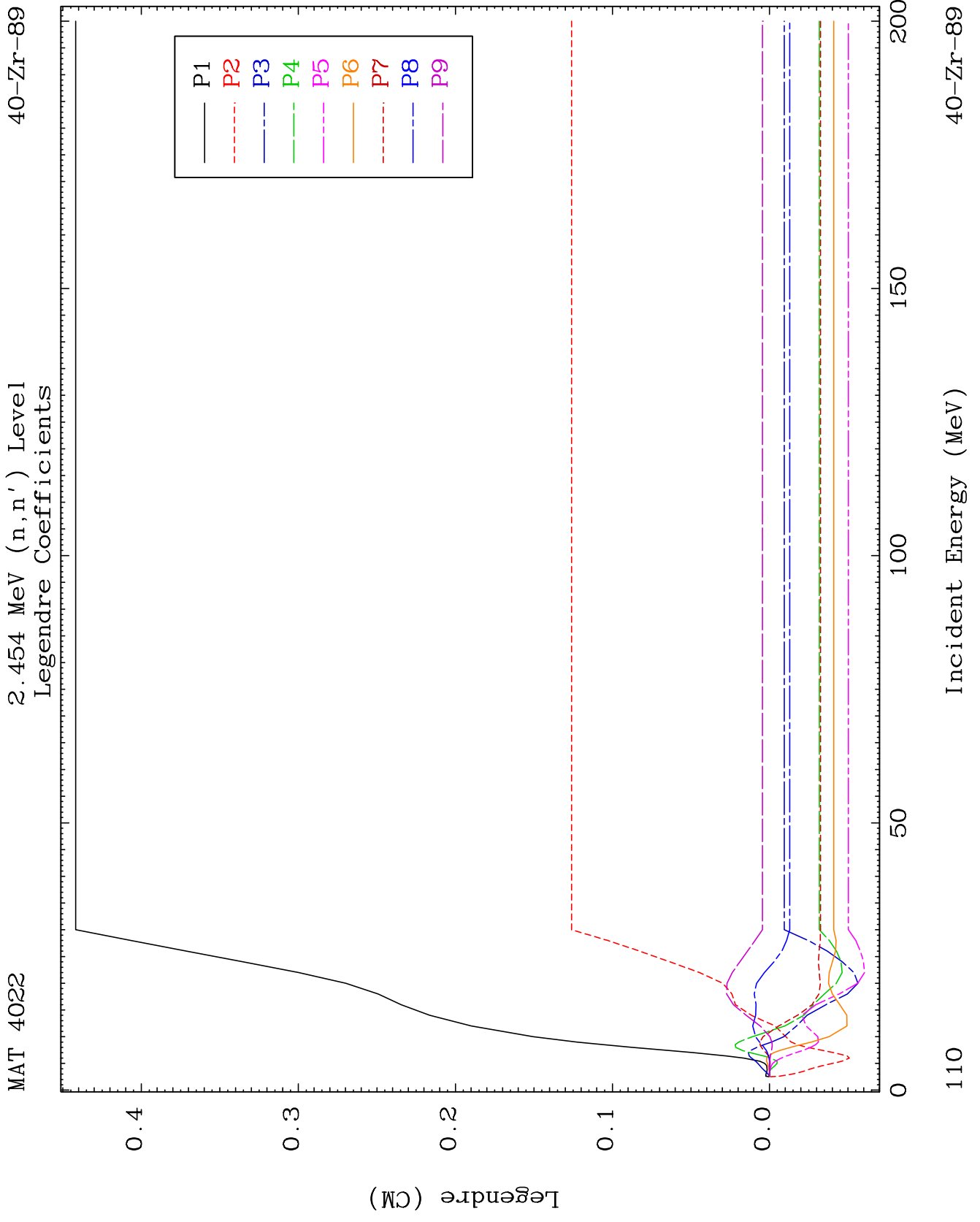


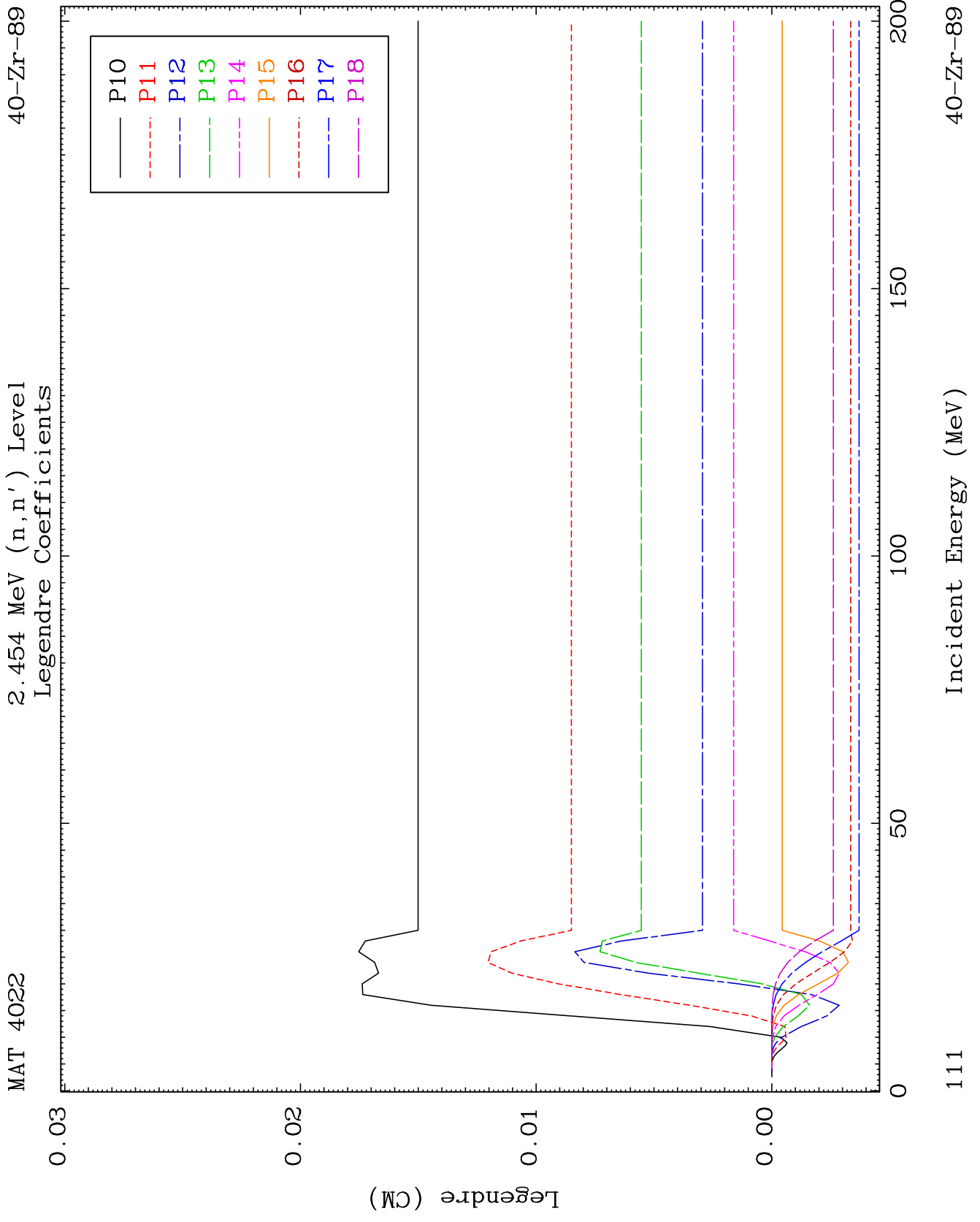


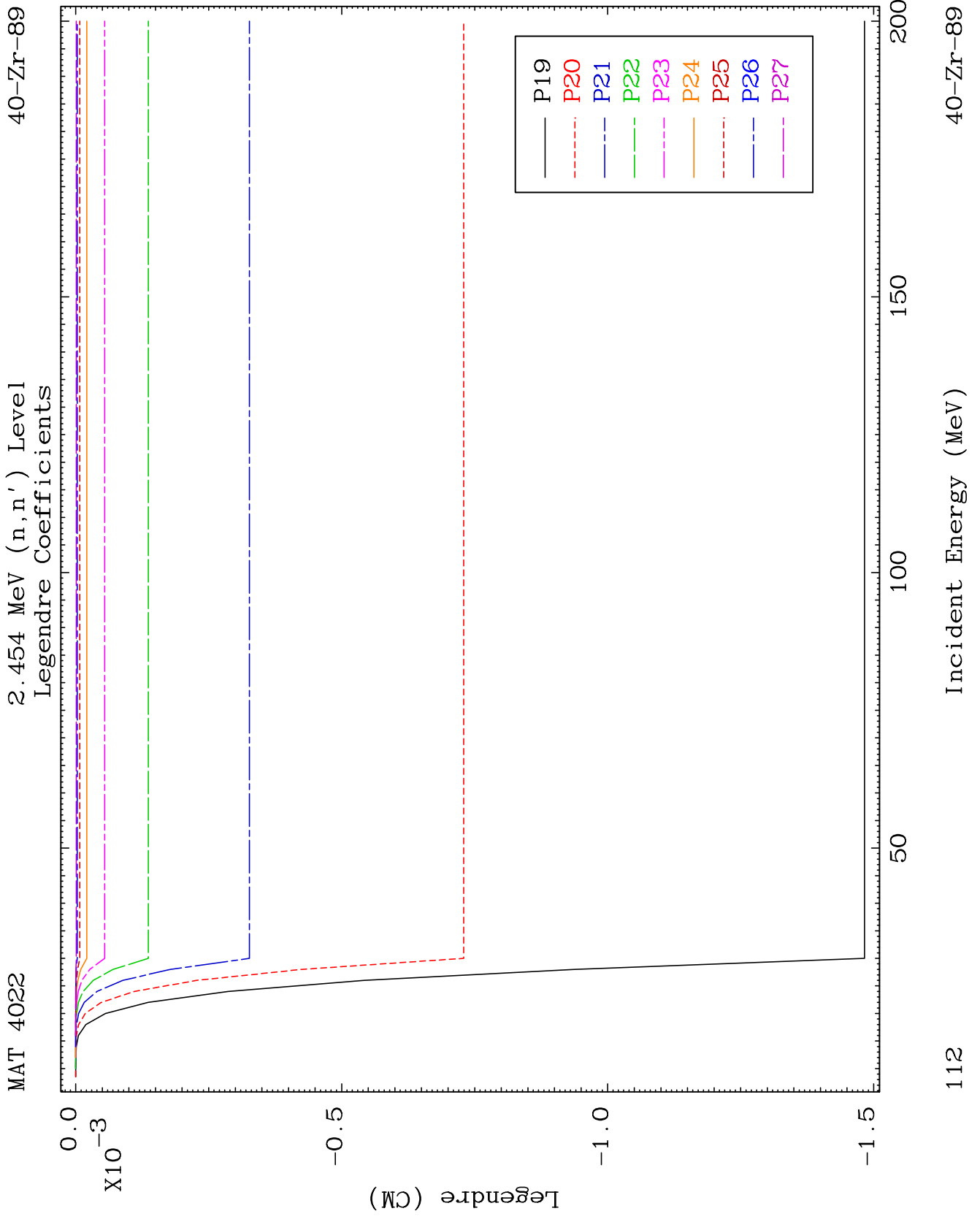


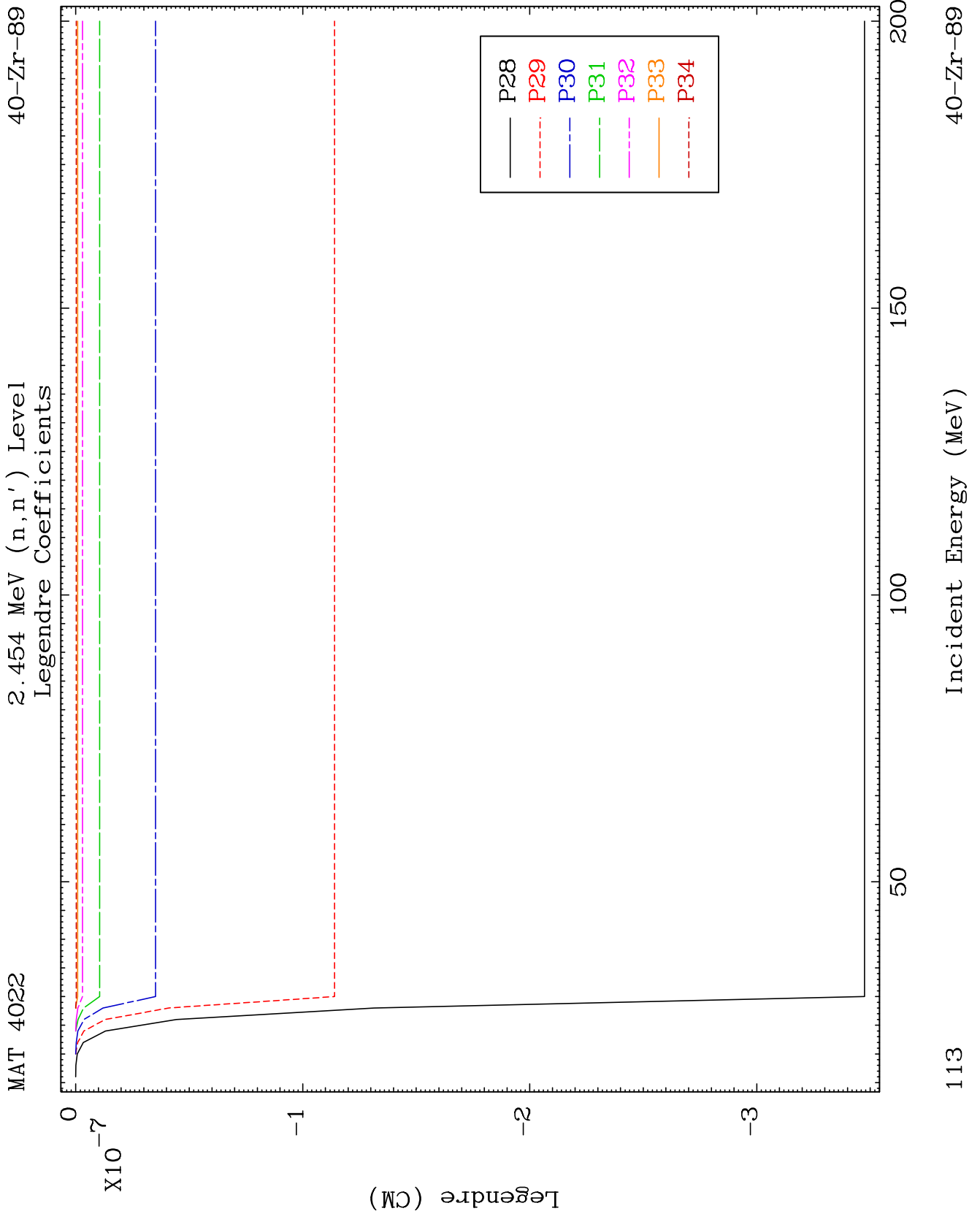


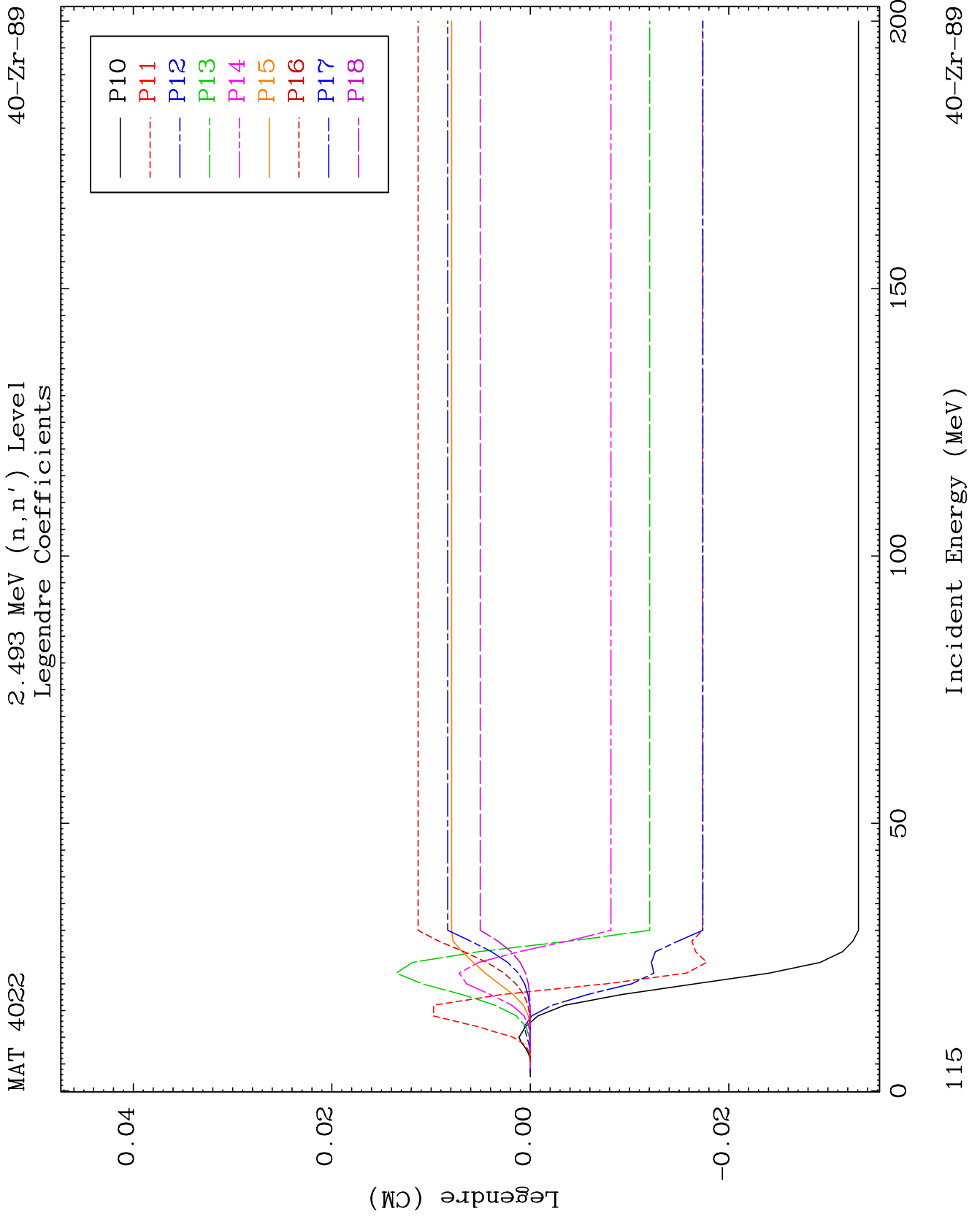


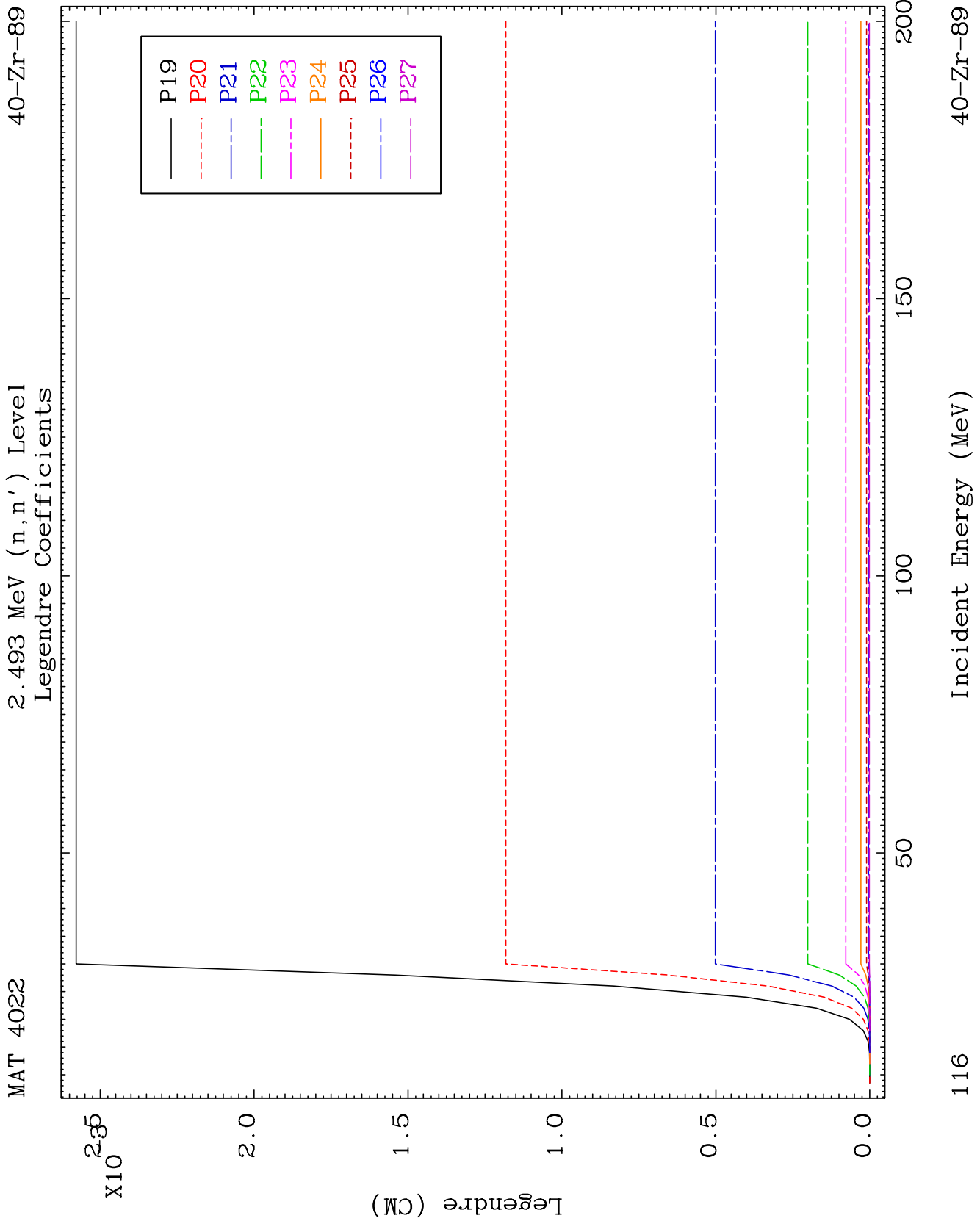


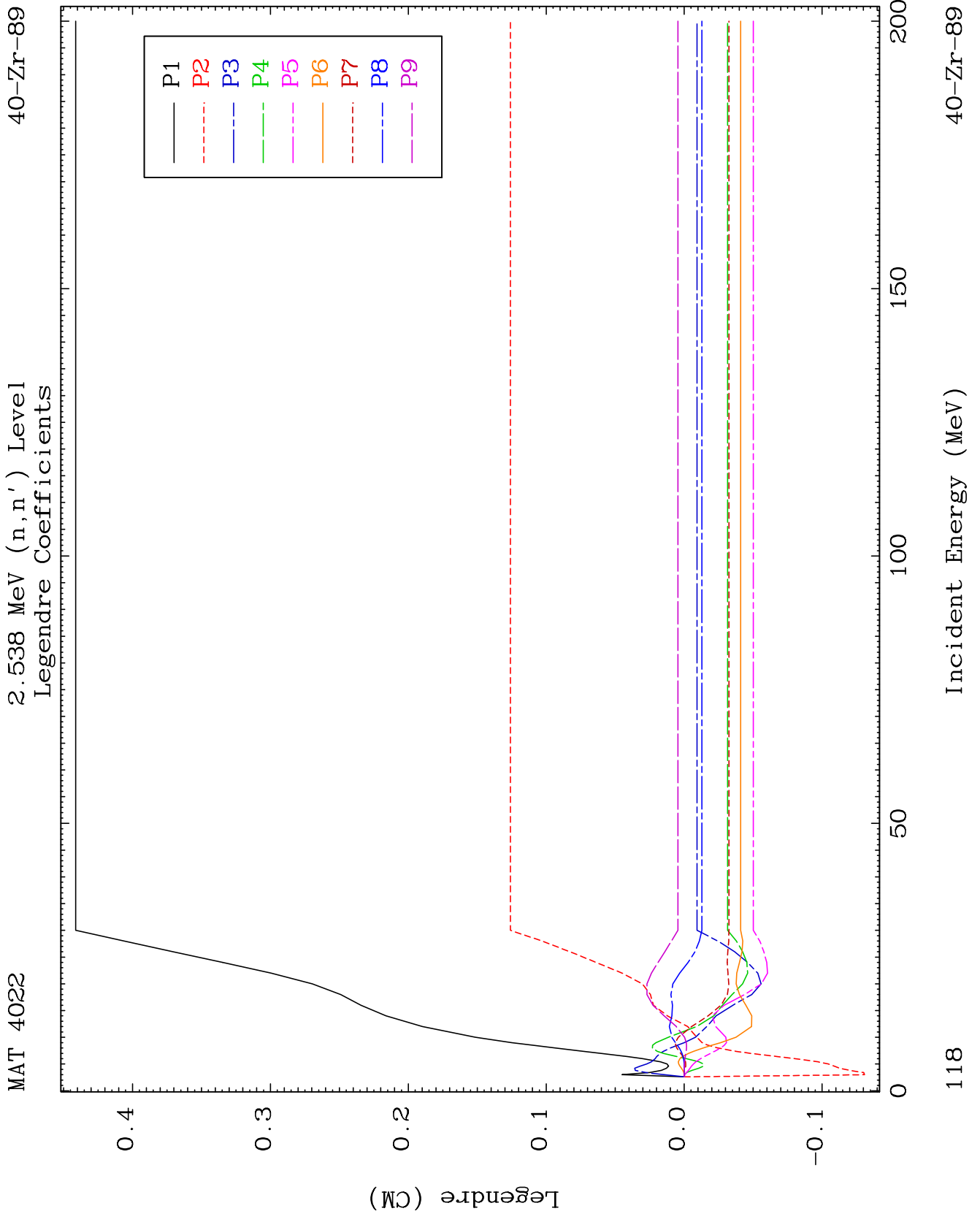


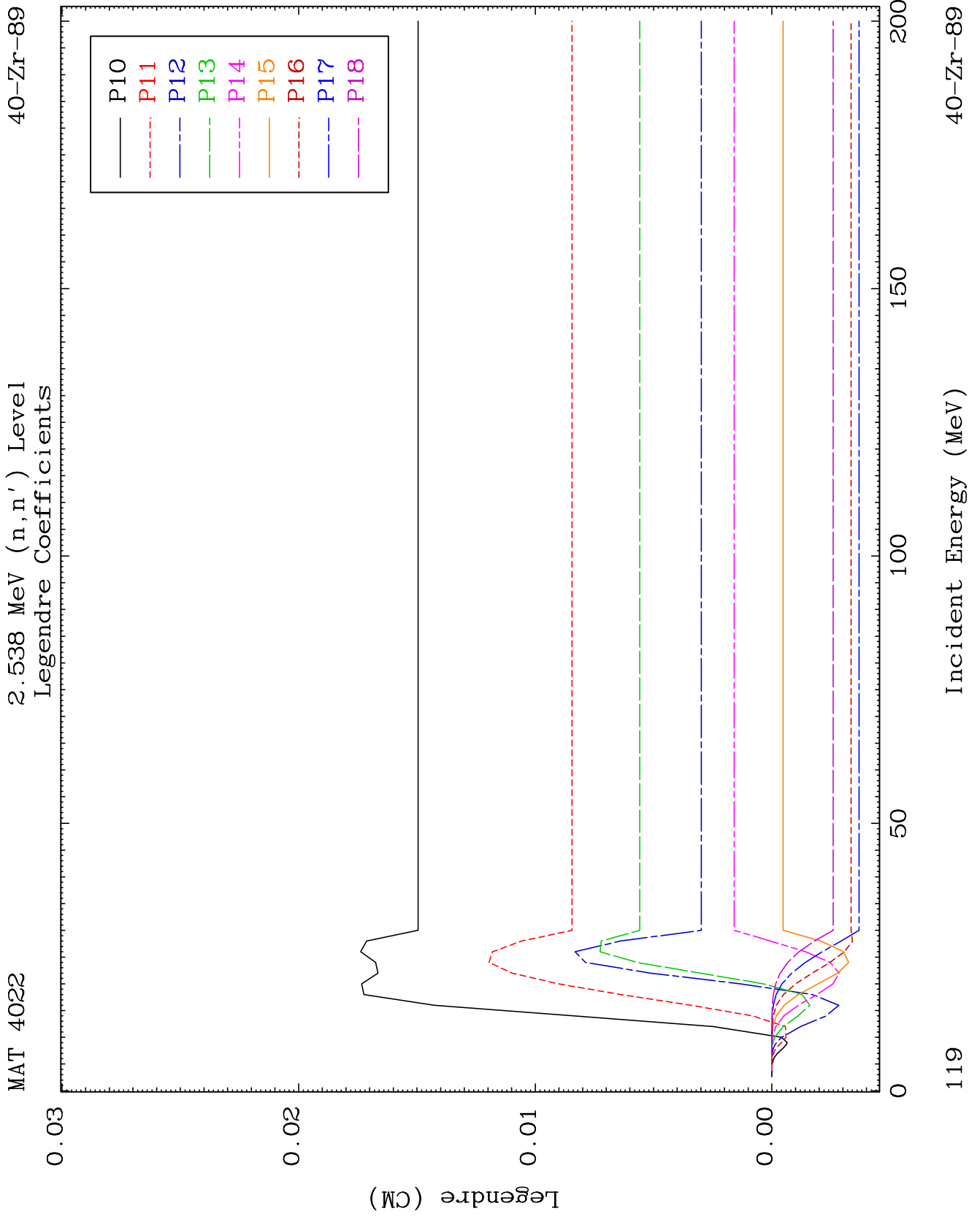


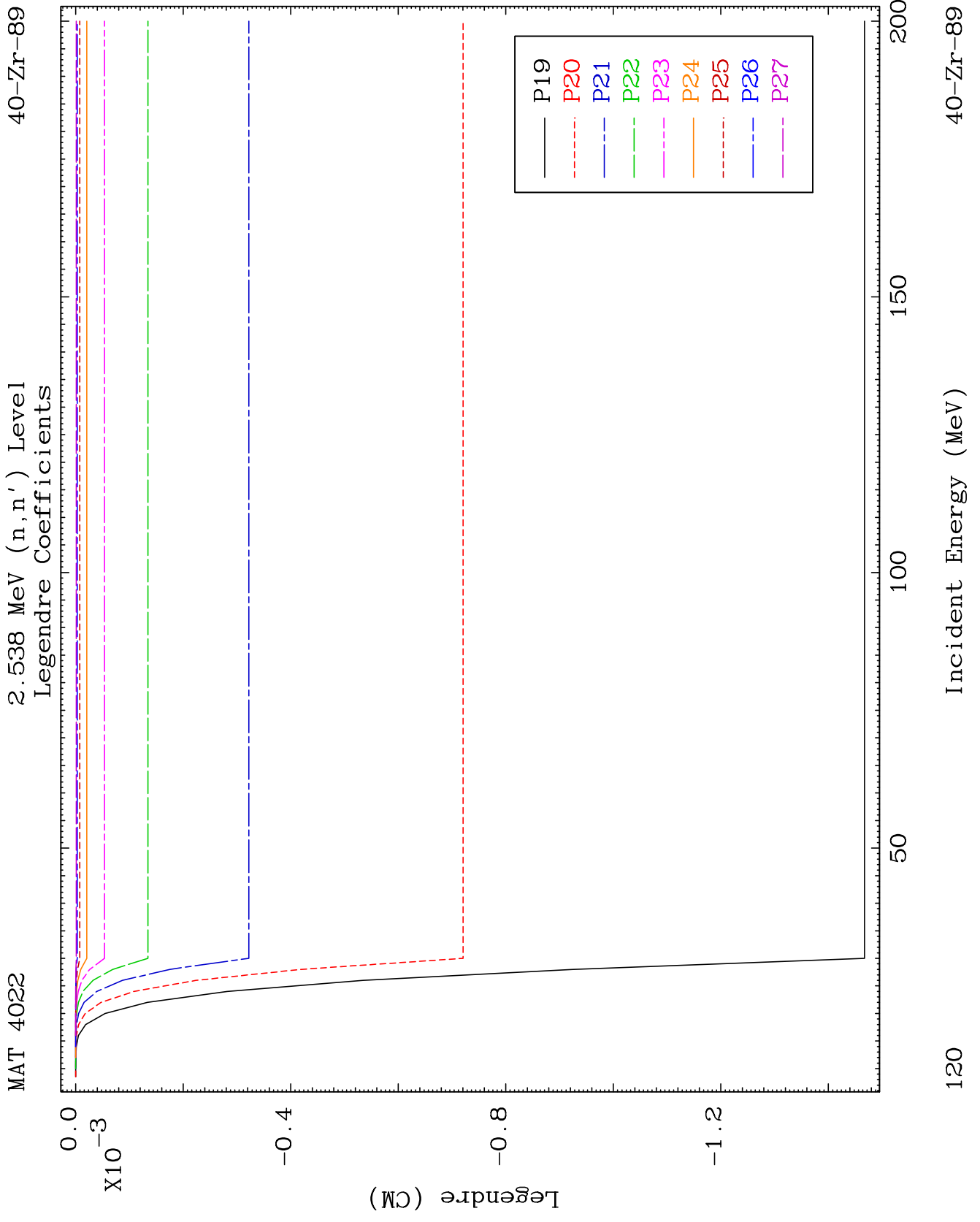


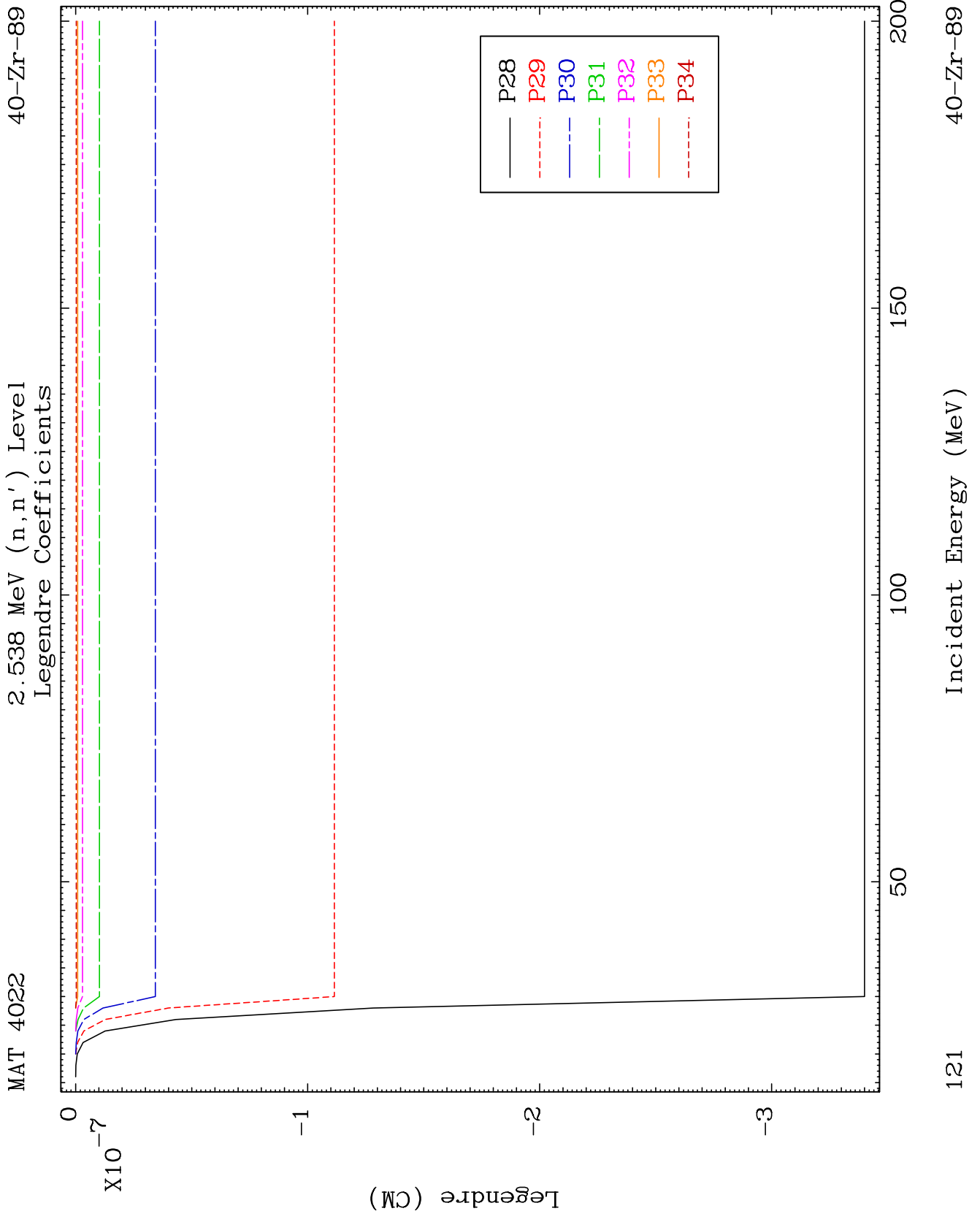












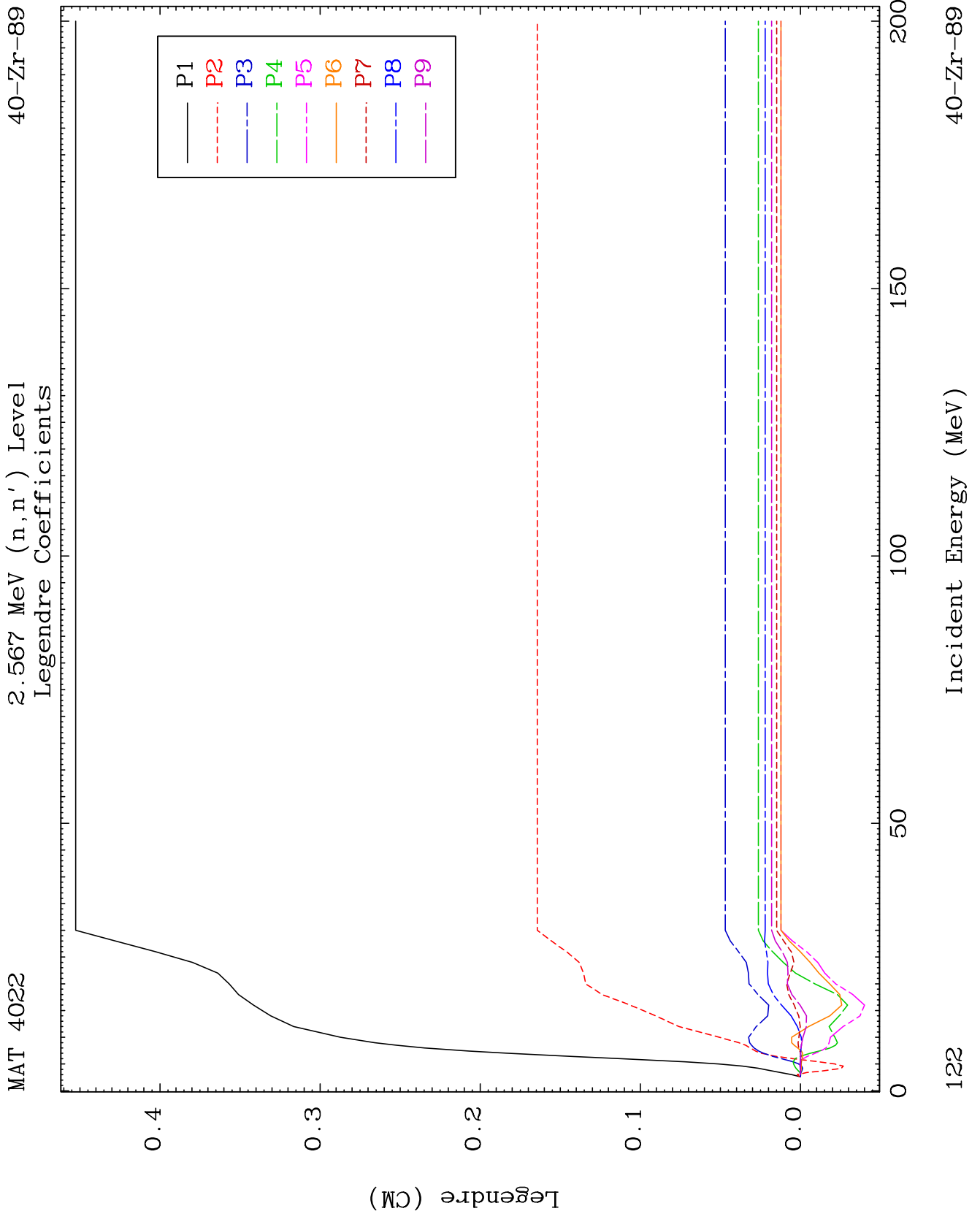
MAT 4022

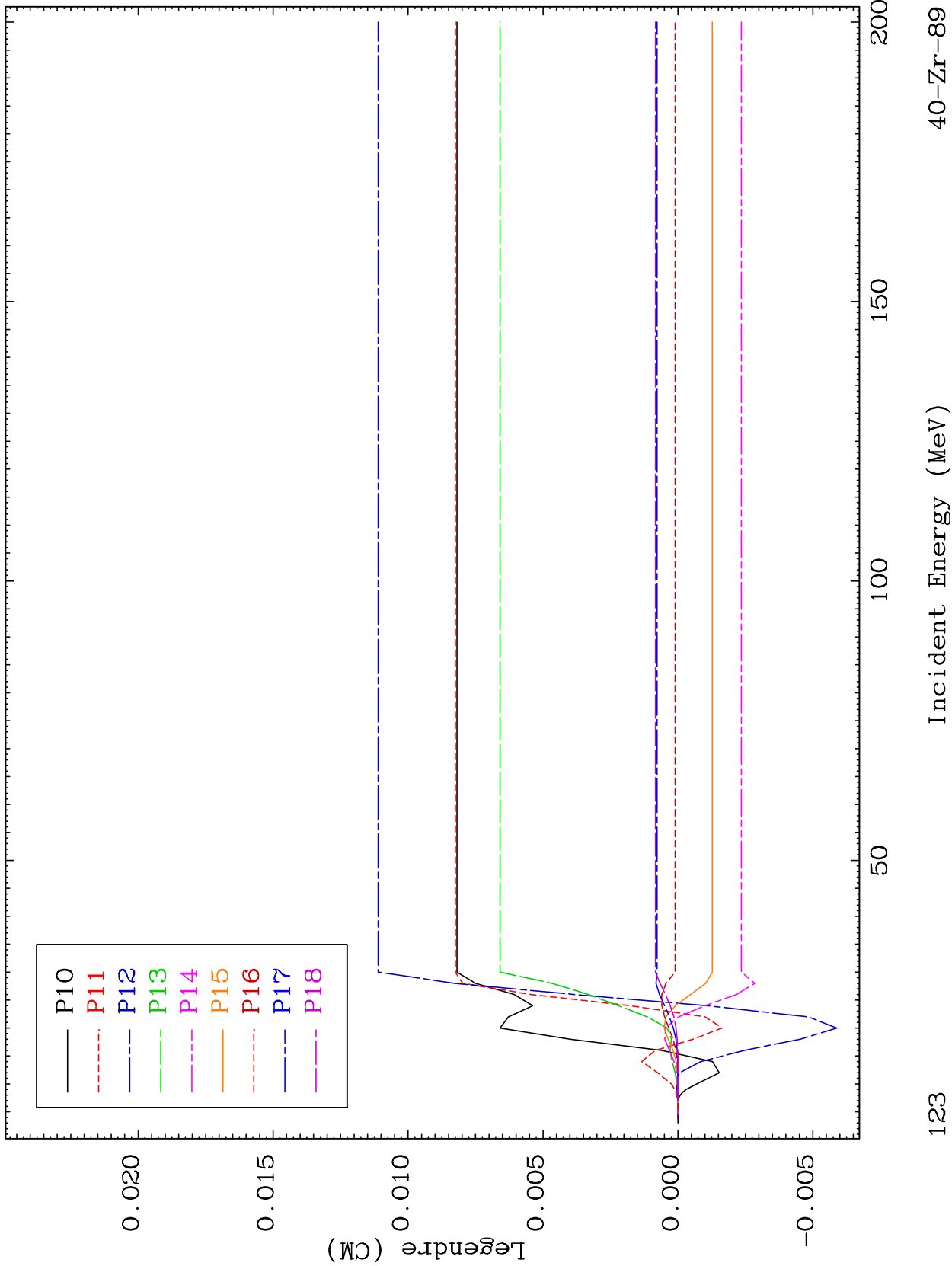
2.538 MeV (n,n') Level

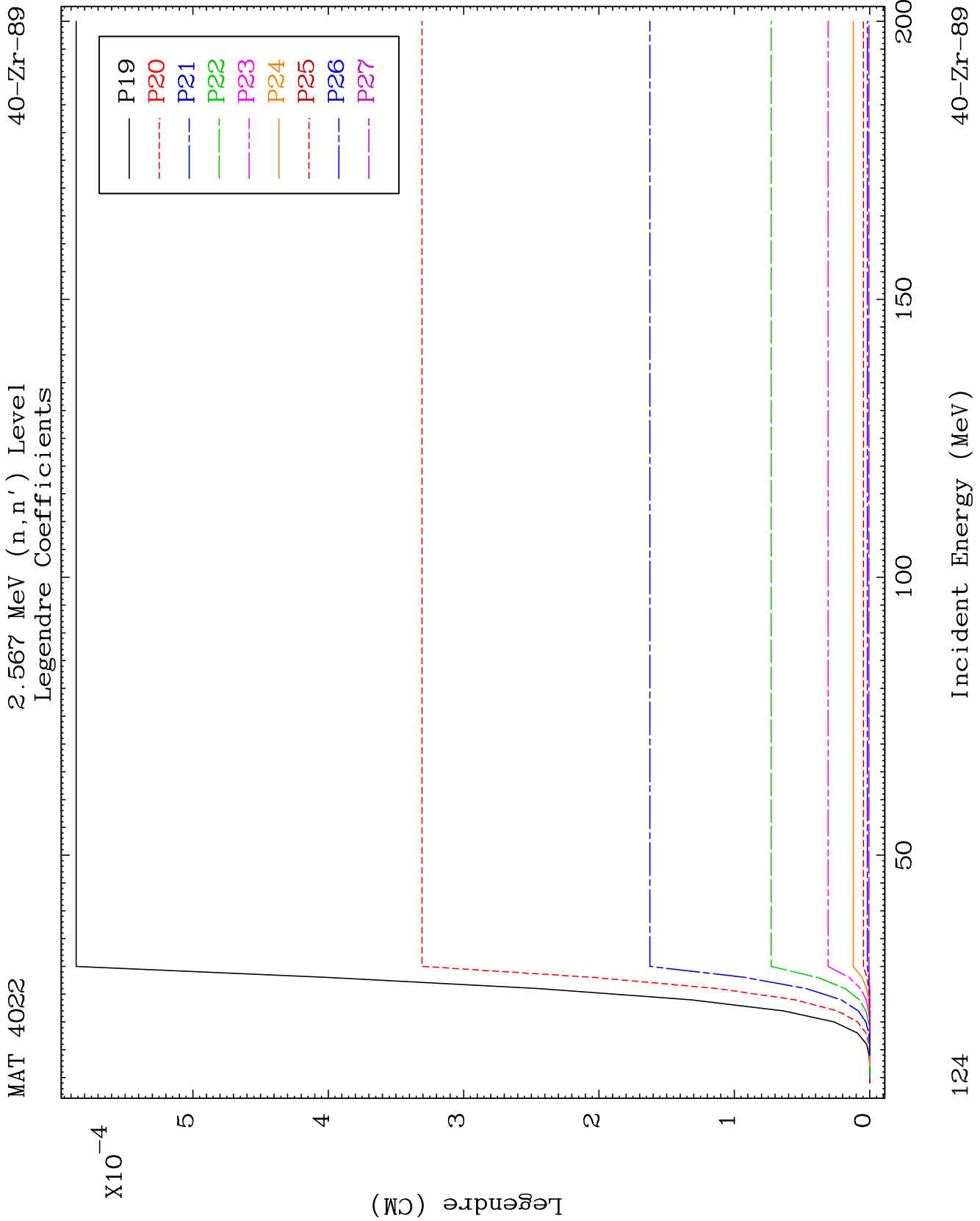
40-Zr-89

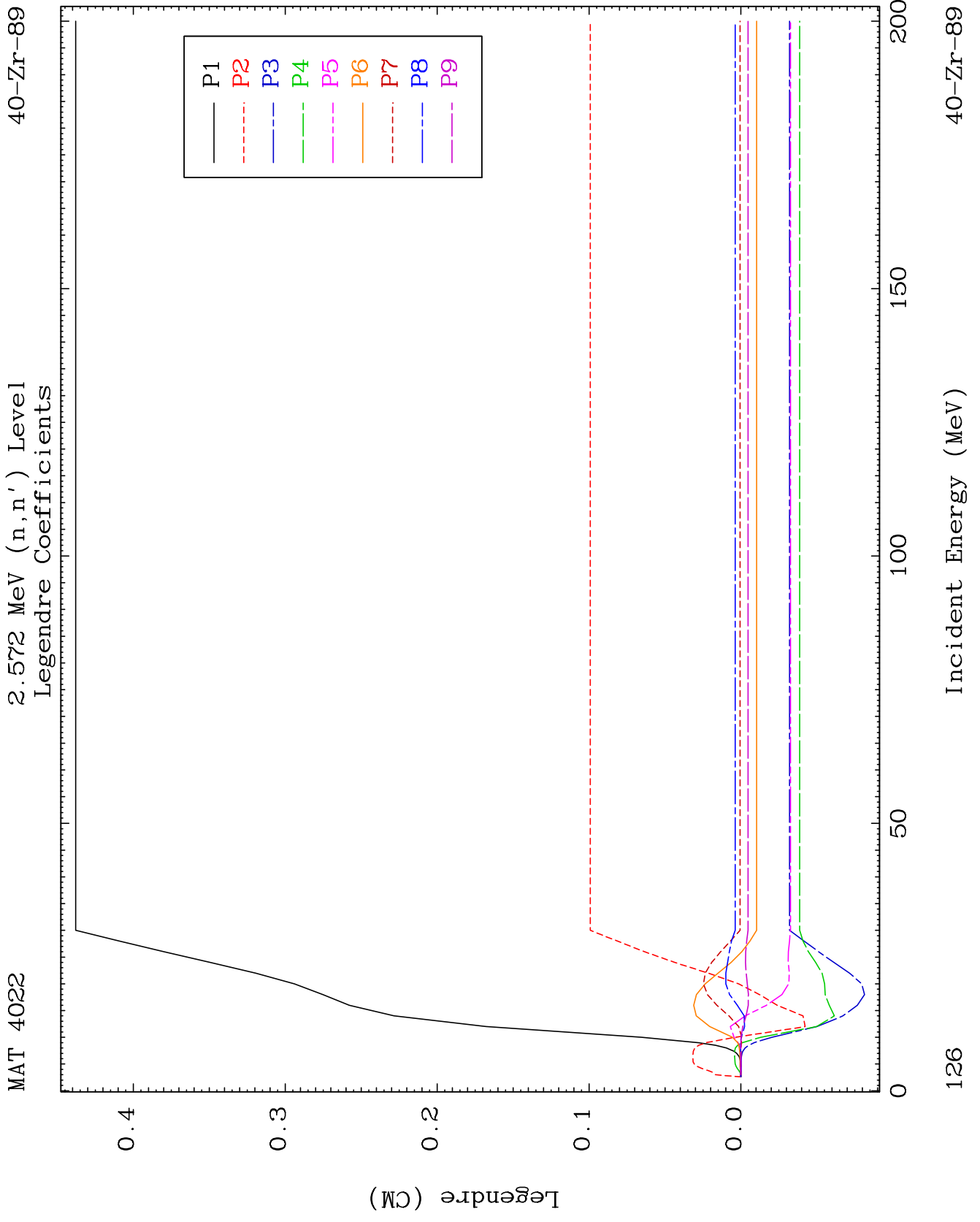
121

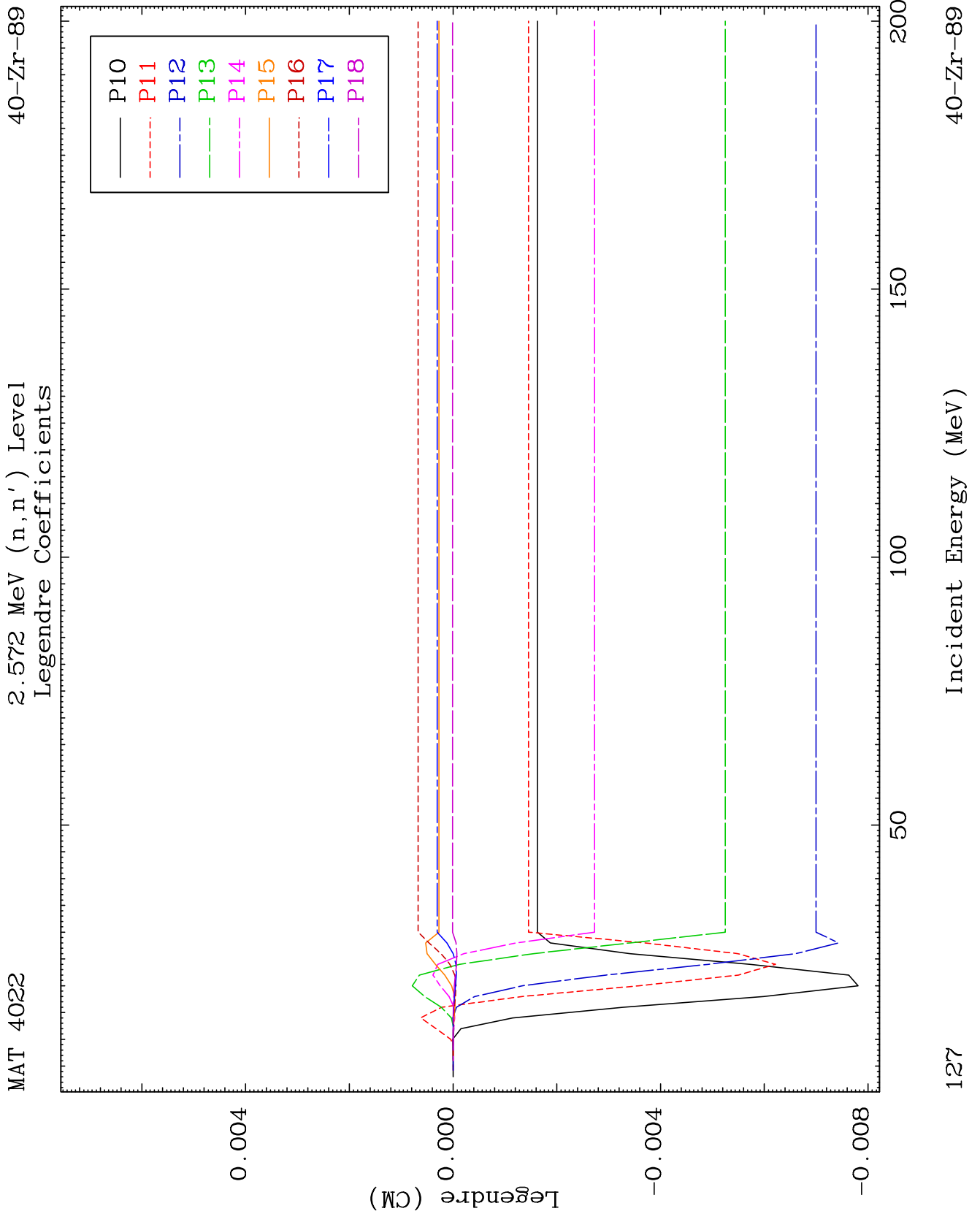
40-Zr-89

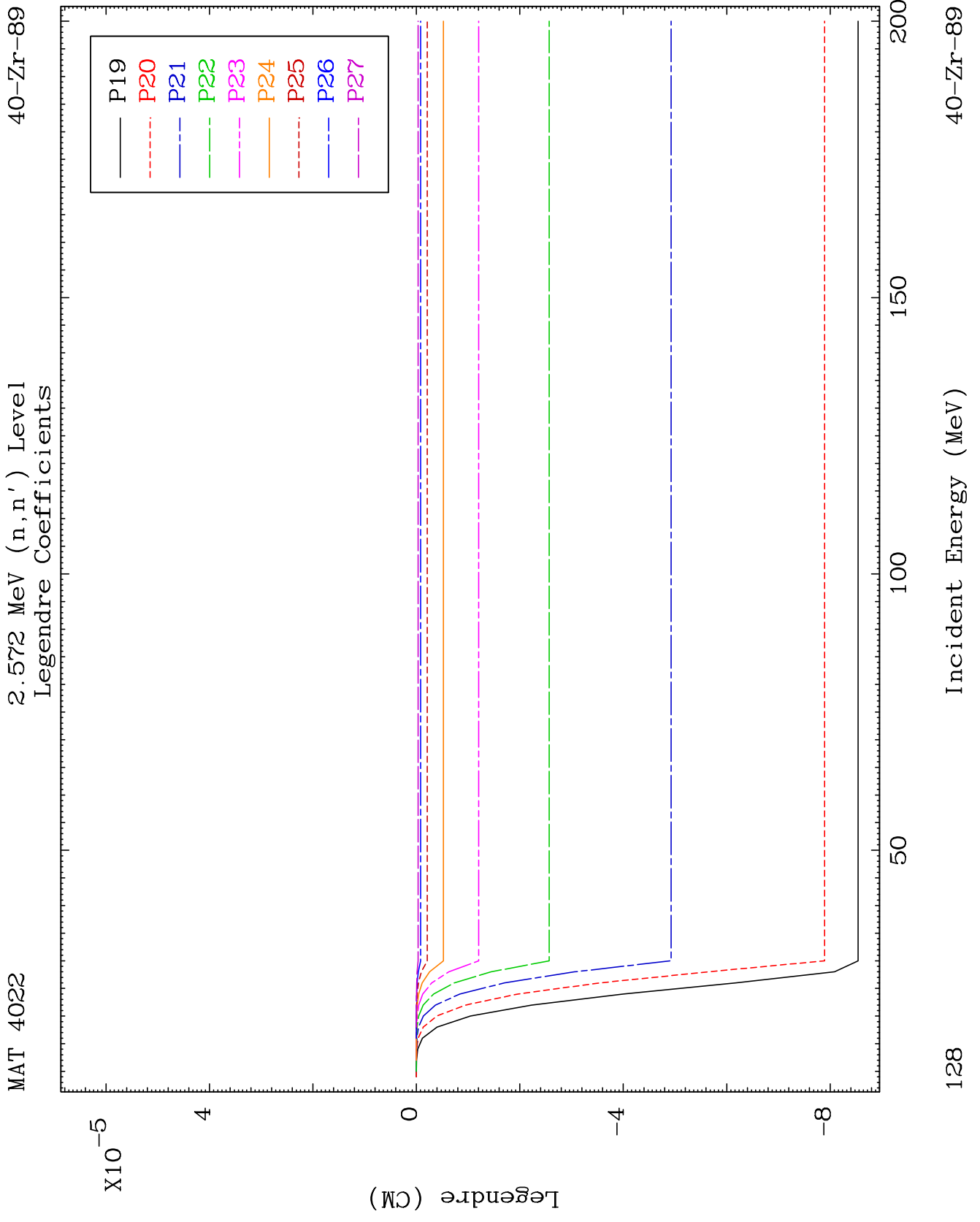


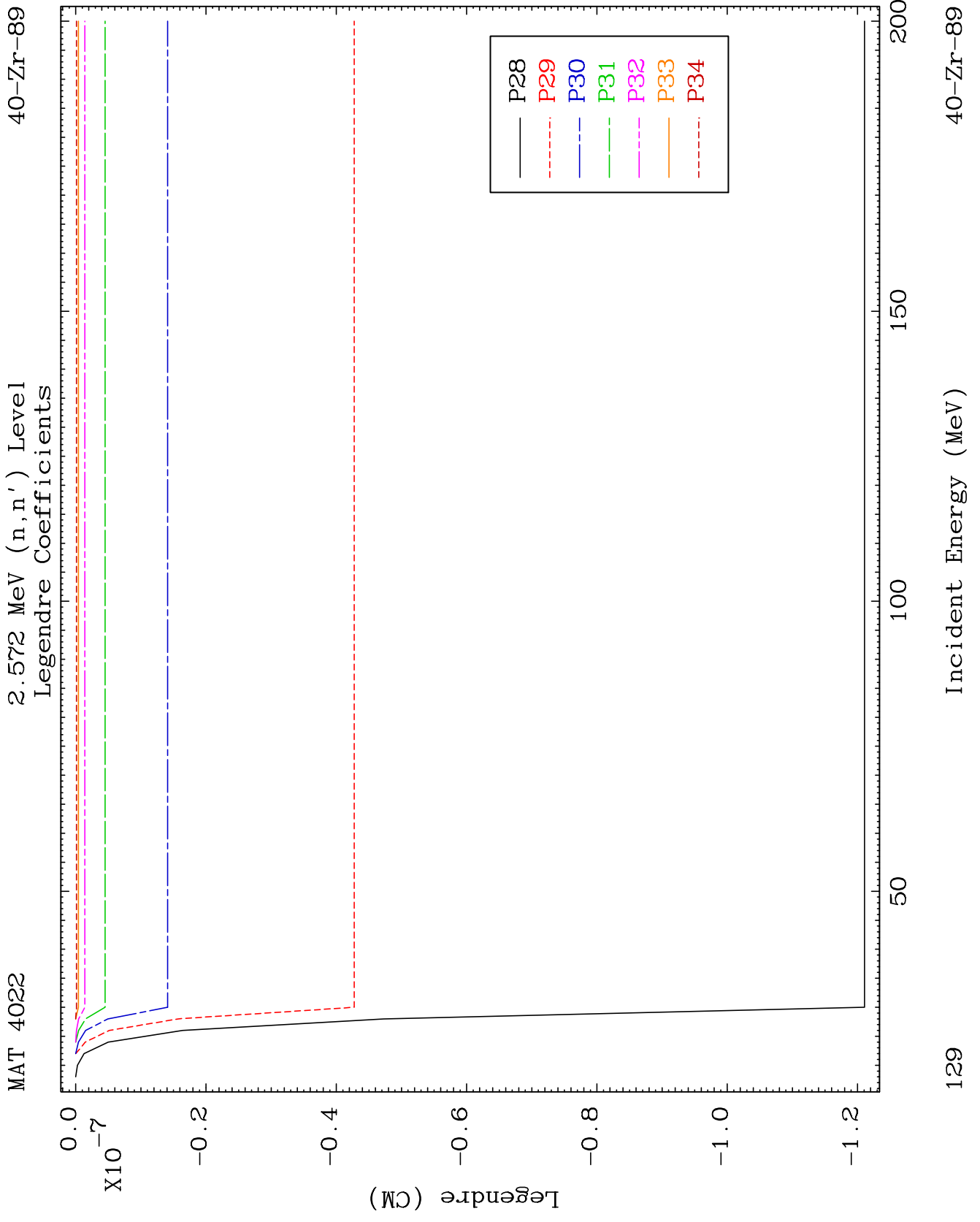


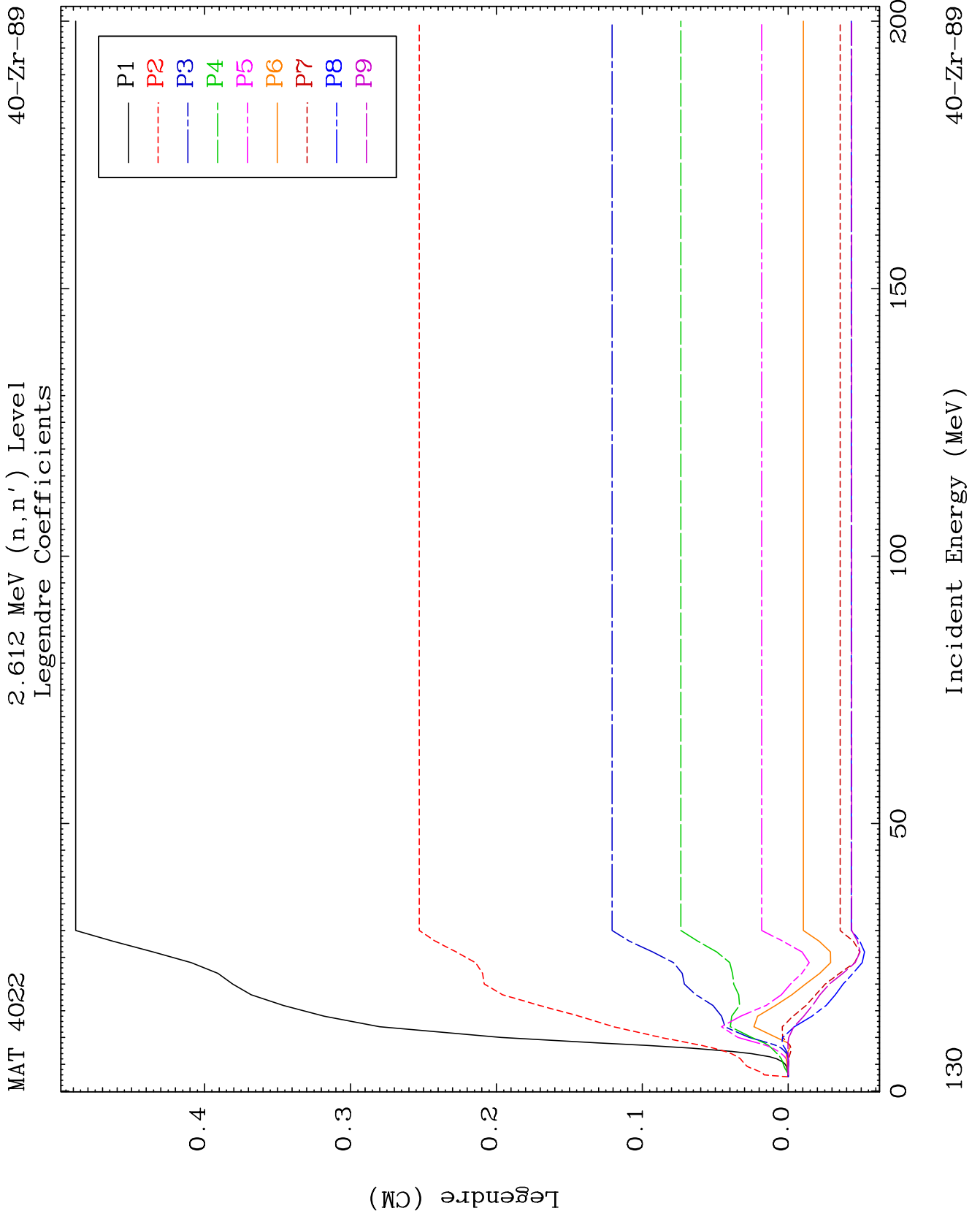


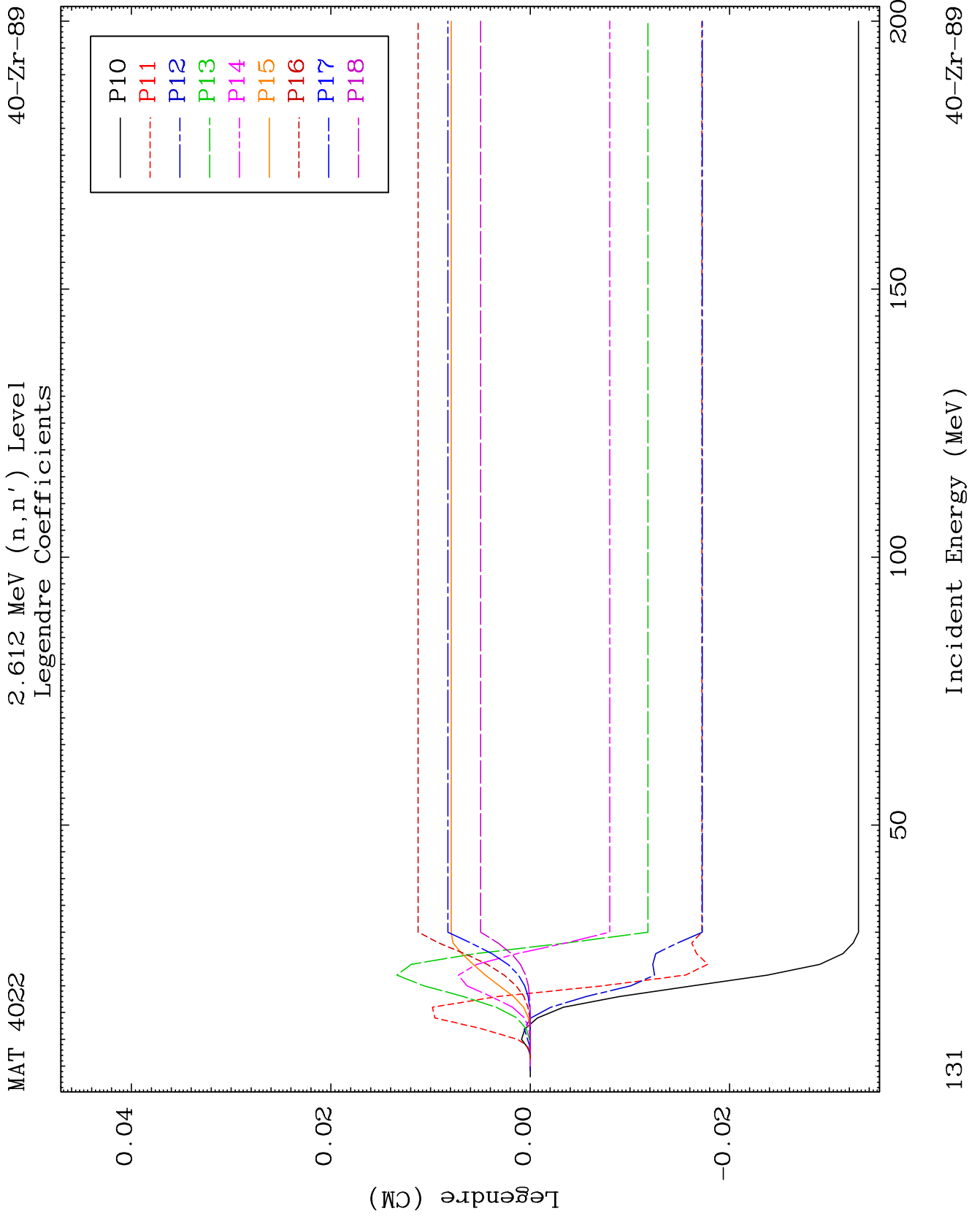


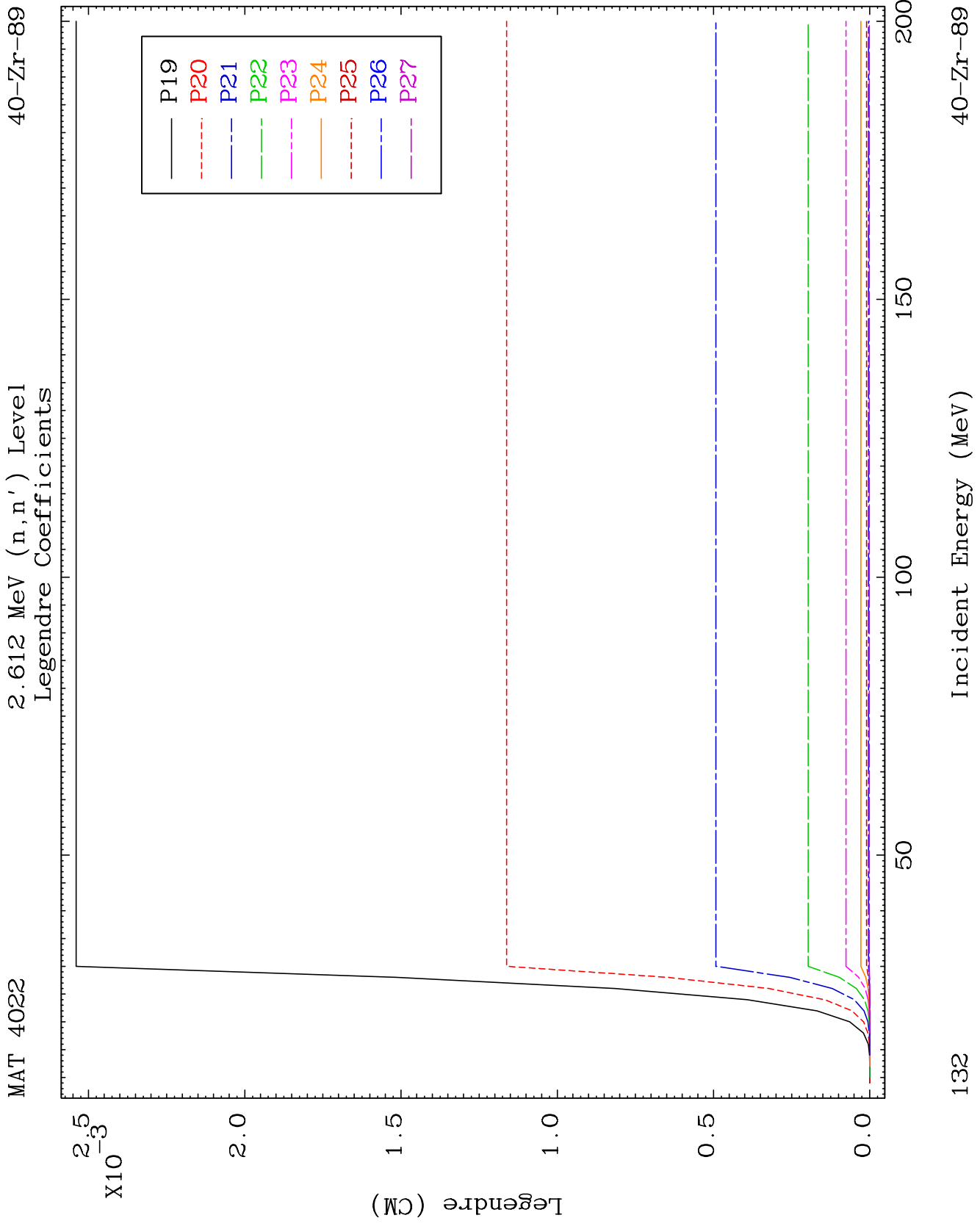


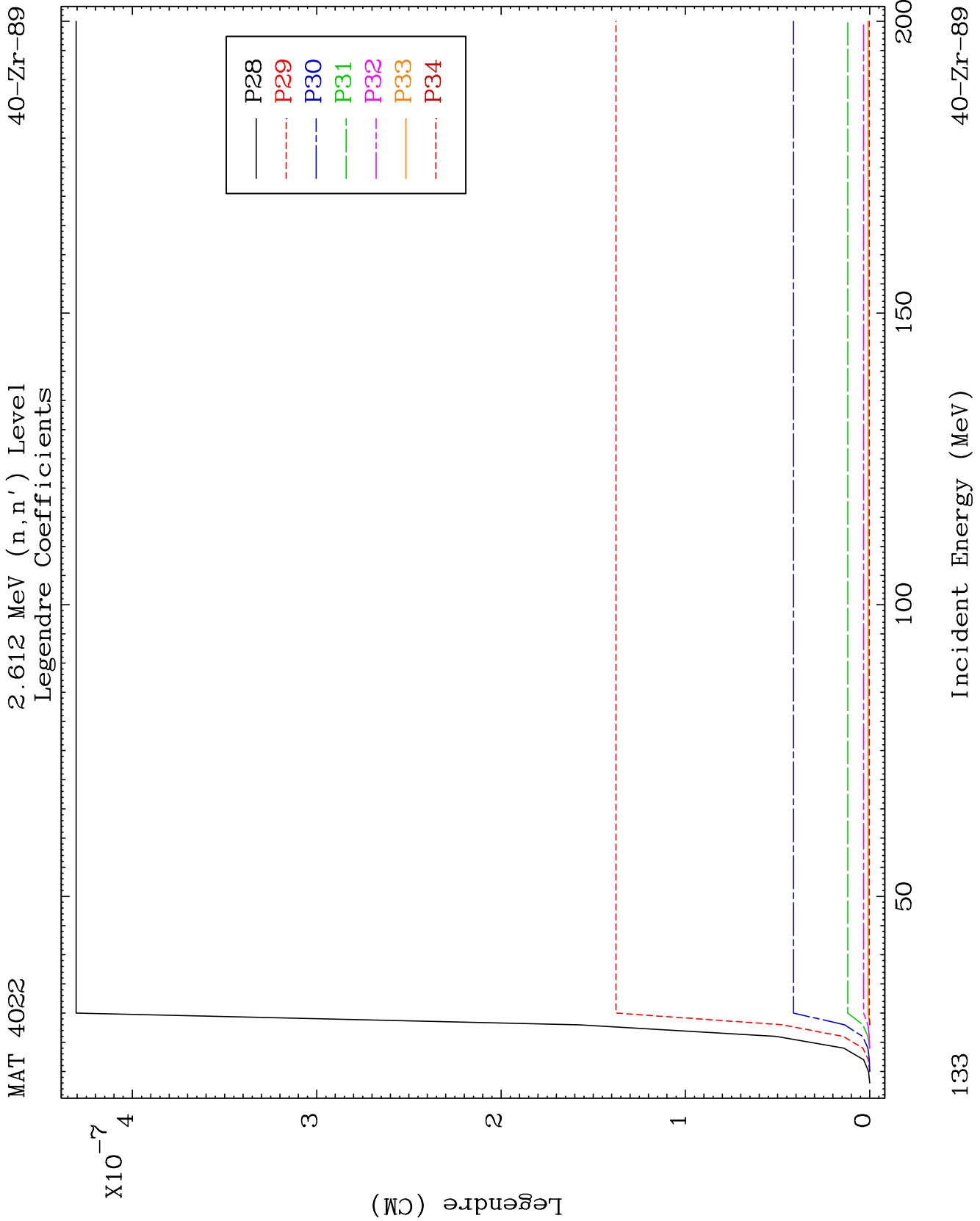








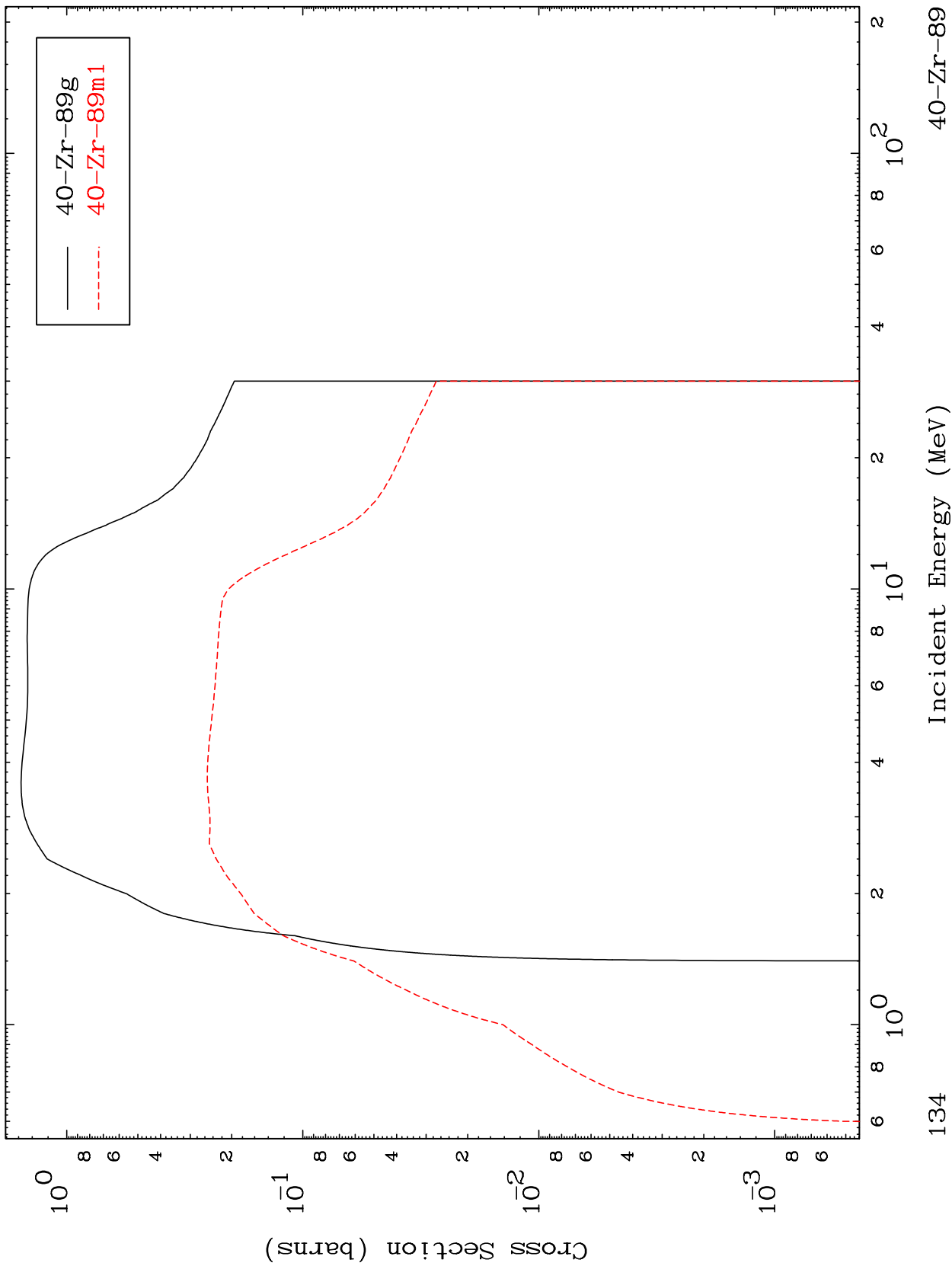




MAT 4022

40-Zr-89

Inelastic Radionuclide Production Cross Section



134

Incident Energy (MeV)

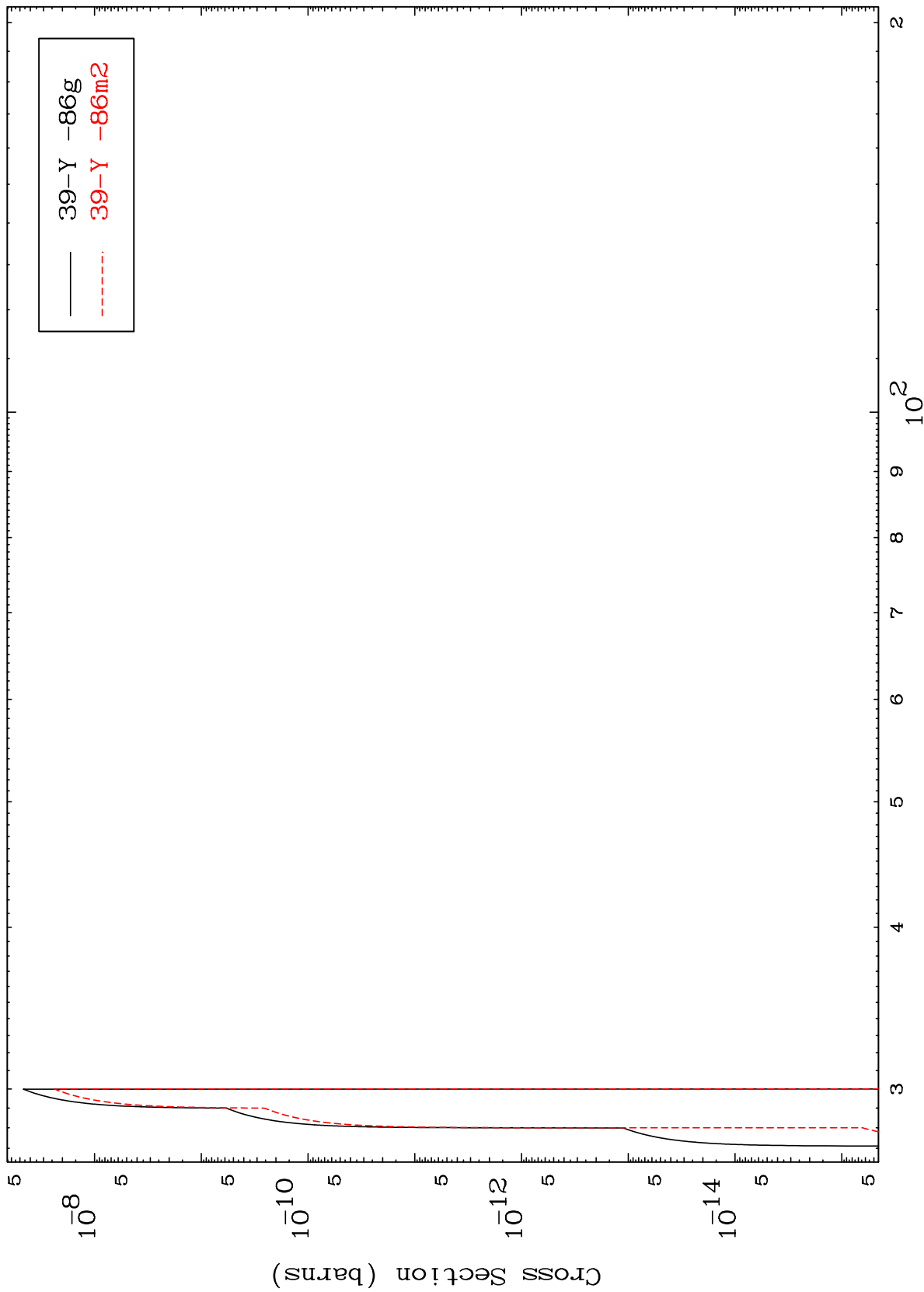
40-Zr-89

MAT 4022

(n,2n) d

40-Zr-89

Radionuclide Production Cross Section

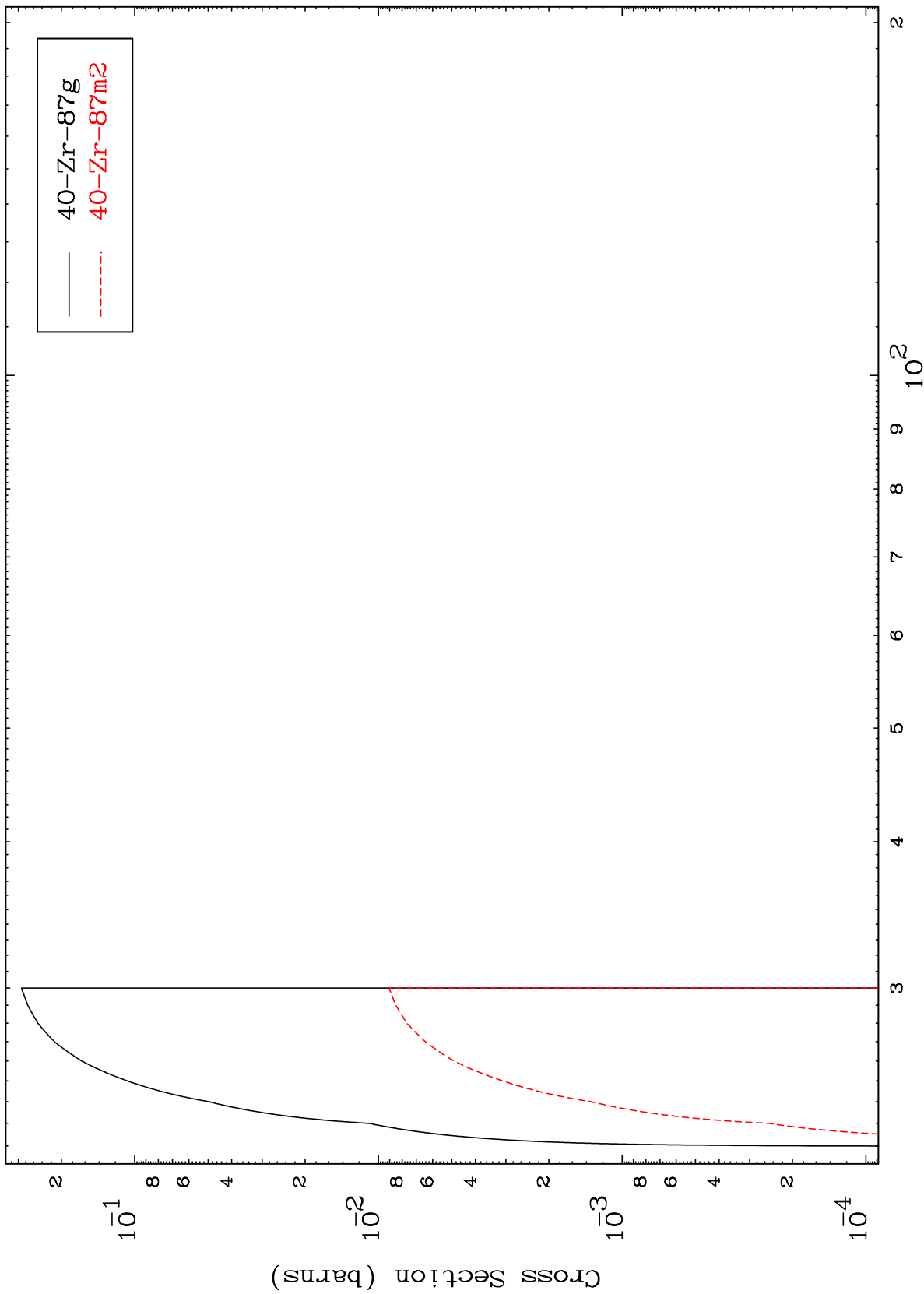


135

Incident Energy (MeV)

40-Zr-89

(n,3n)
Radionuclide Production Cross Section

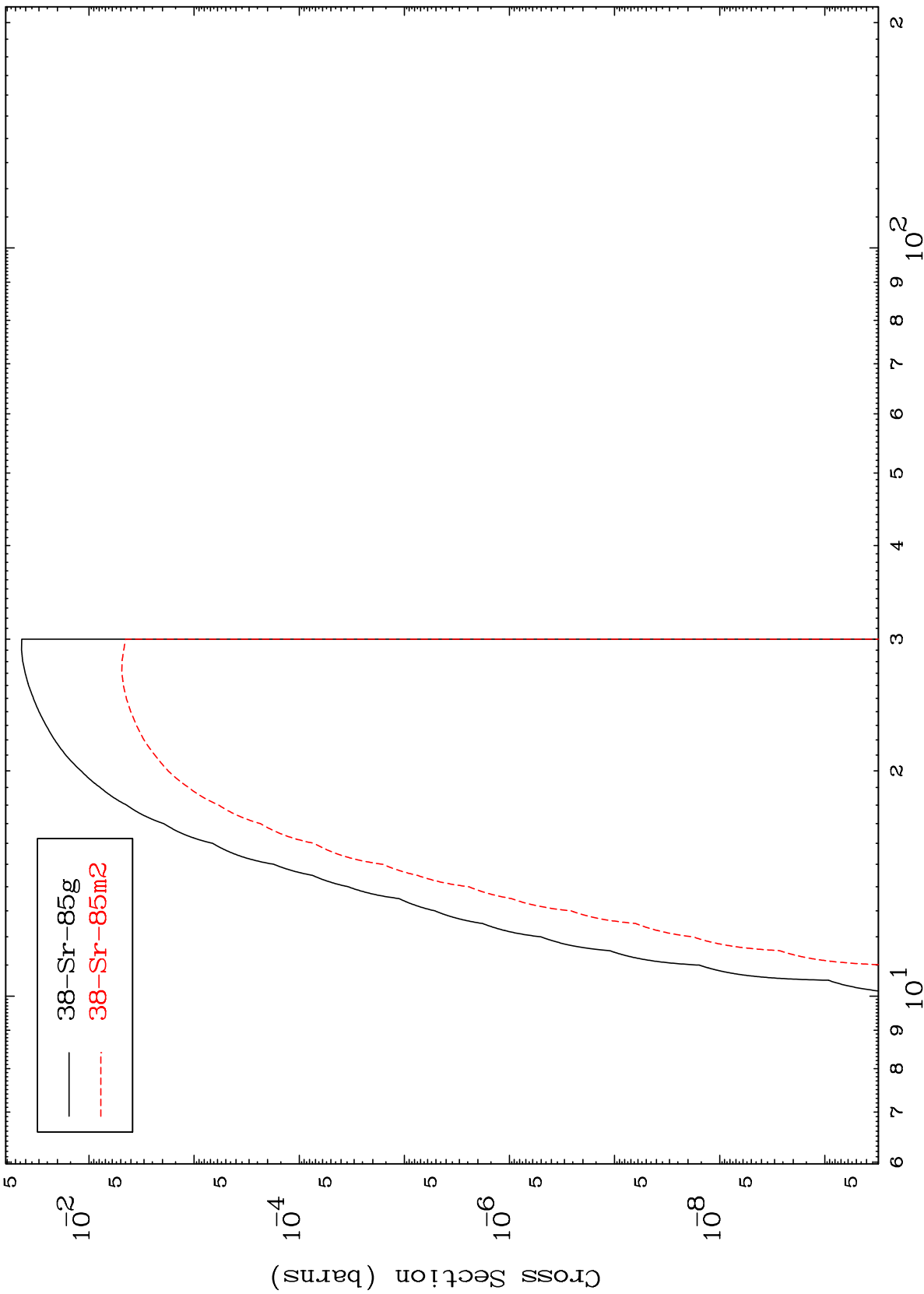


MAT 4022

(n,n') α

40-Zr-89

Radionuclide Production Cross Section



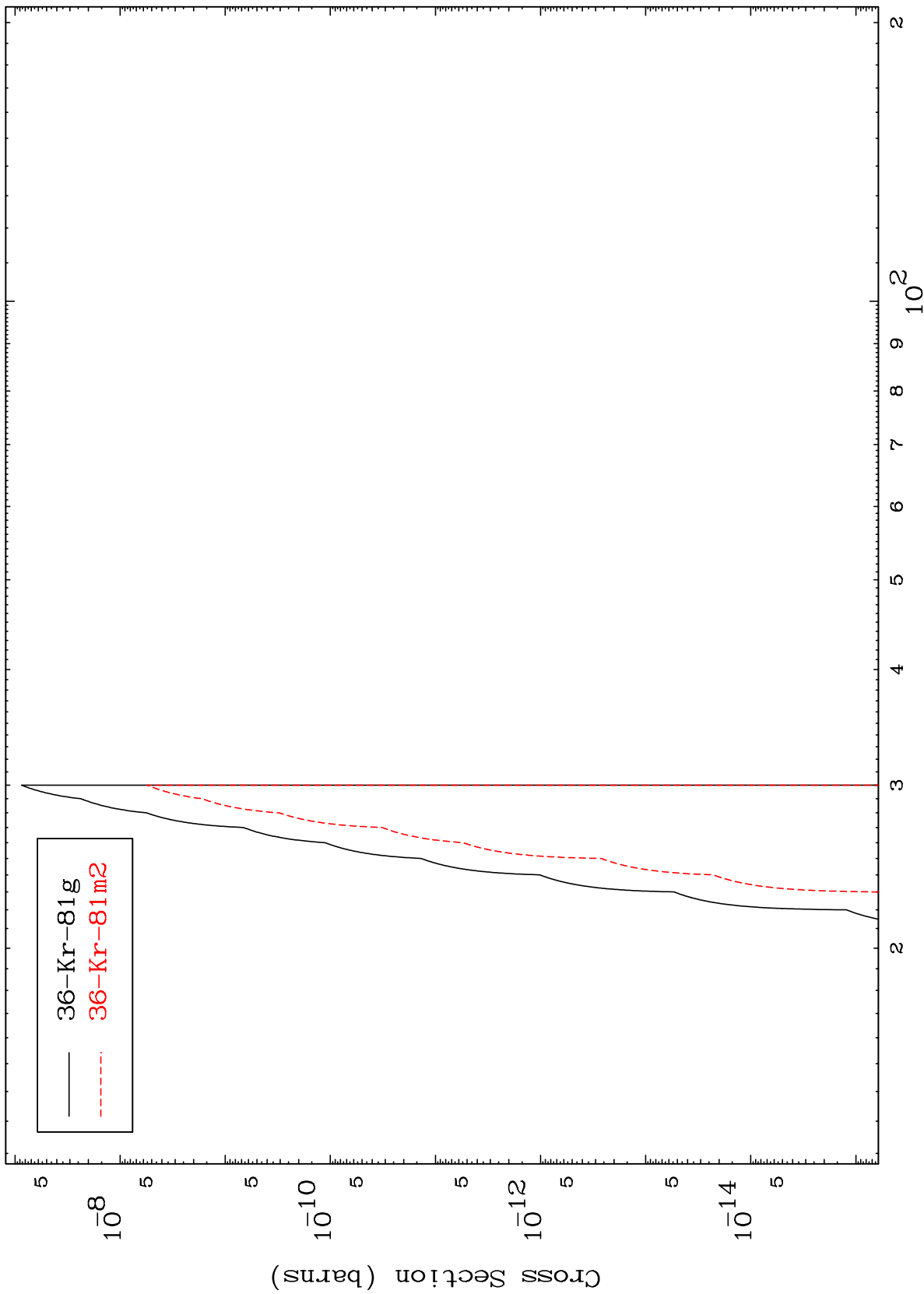
— 38-Sr-85g
- - - 38-Sr-85m2

Incident Energy (MeV)

40-Zr-89

137

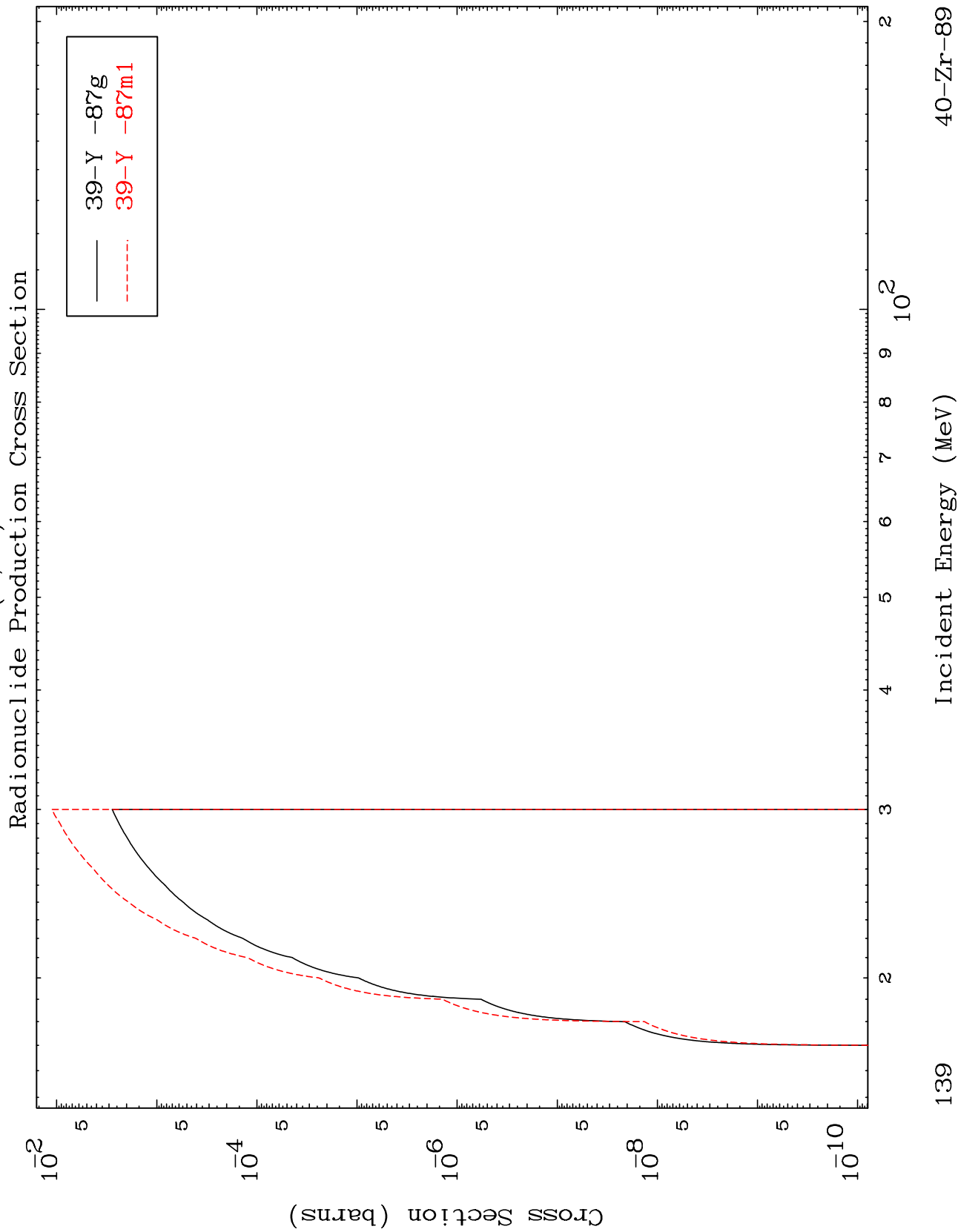
(n,n') 2α
Radionuclide Production Cross Section



MAT 4022

(n,n') d

40-Zr-89



139

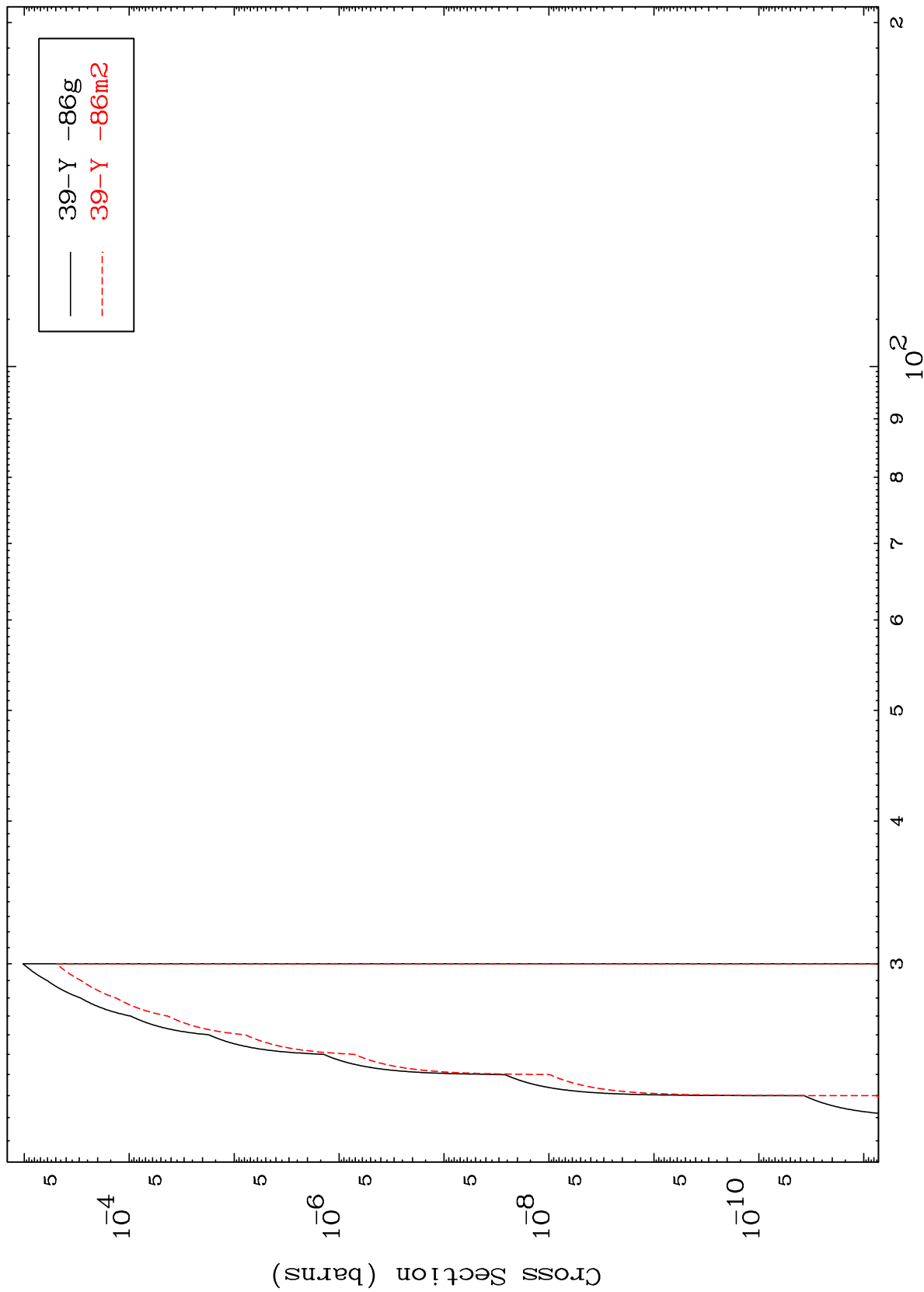
40-Zr-89

MAT 4022

(n,n') t

40-Zr-89

Radionuclide Production Cross Section

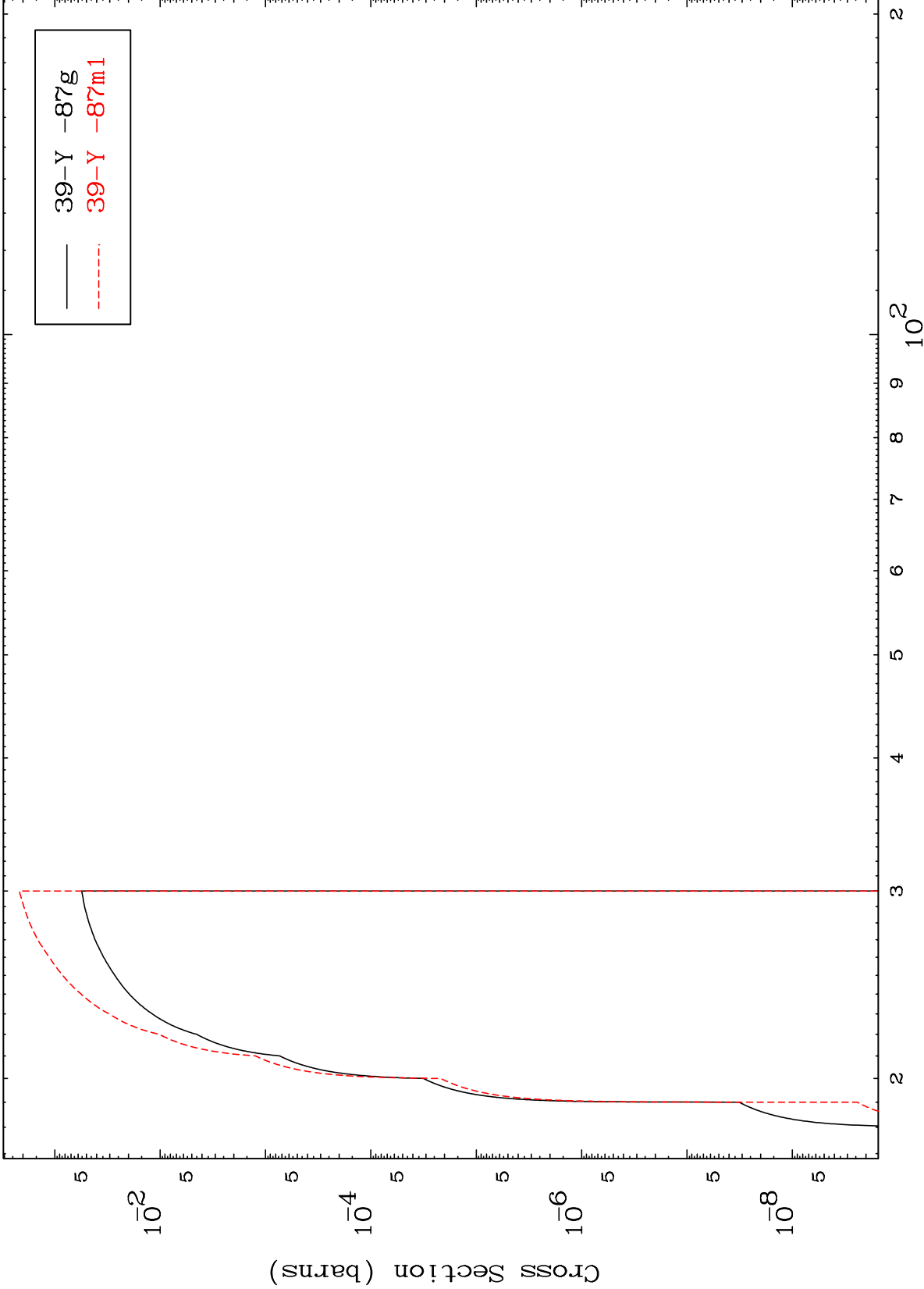


140

Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section

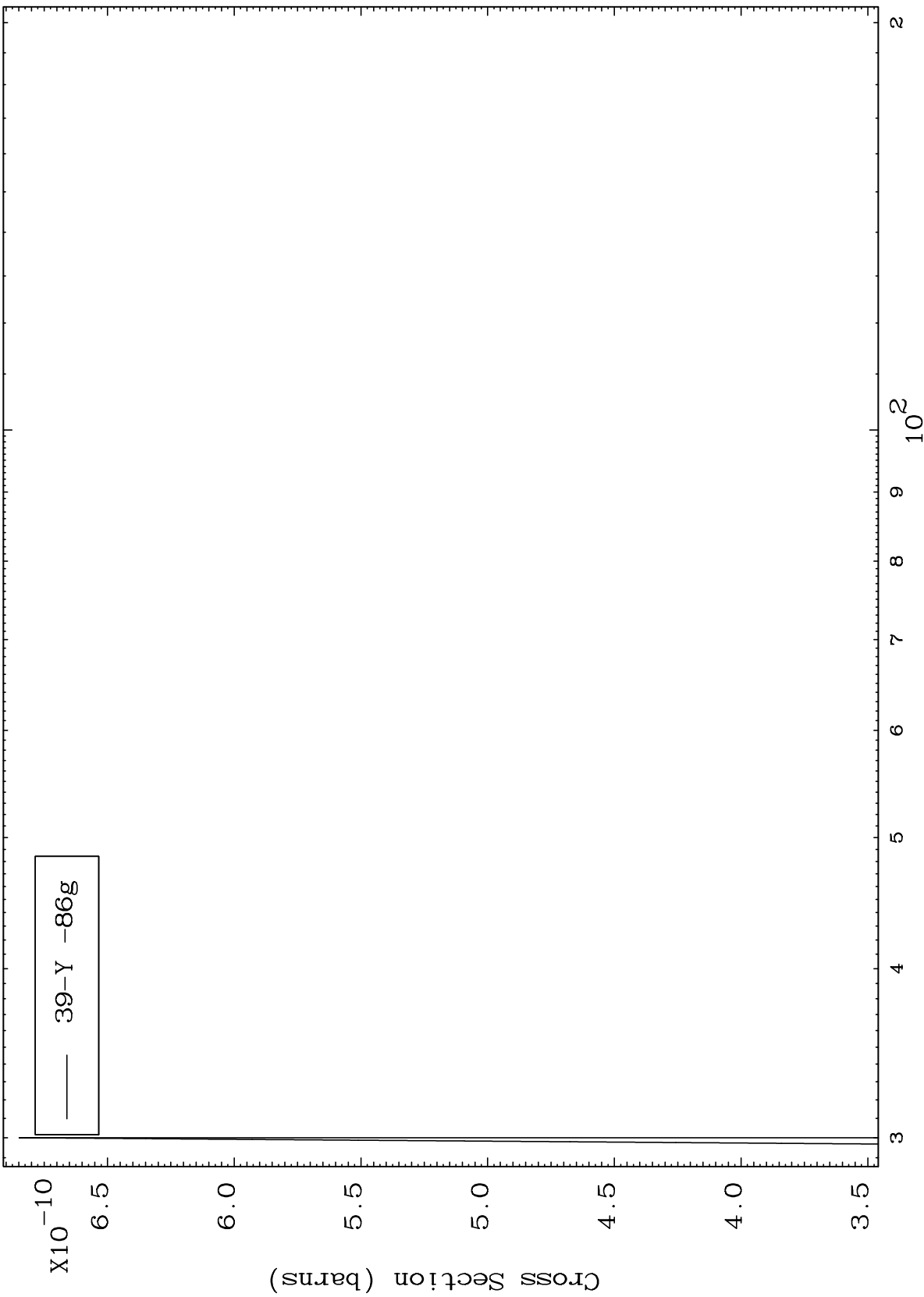


MAT 4022

(n,3n) p

40-Zr-89

Radionuclide Production Cross Section



142

Incident Energy (MeV)

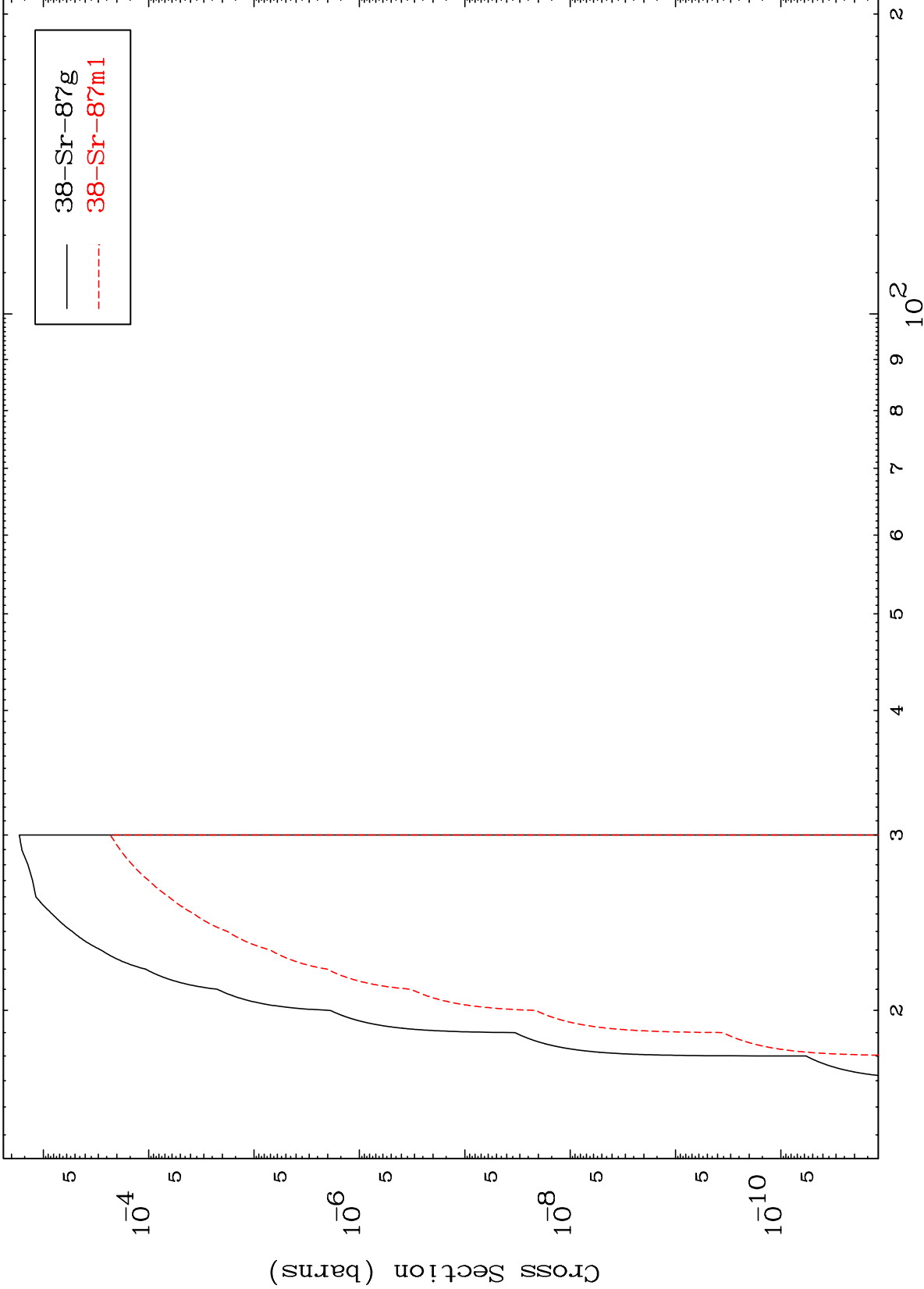
40-Zr-89

MAT 4022

(n,2n) p

40-Zr-89

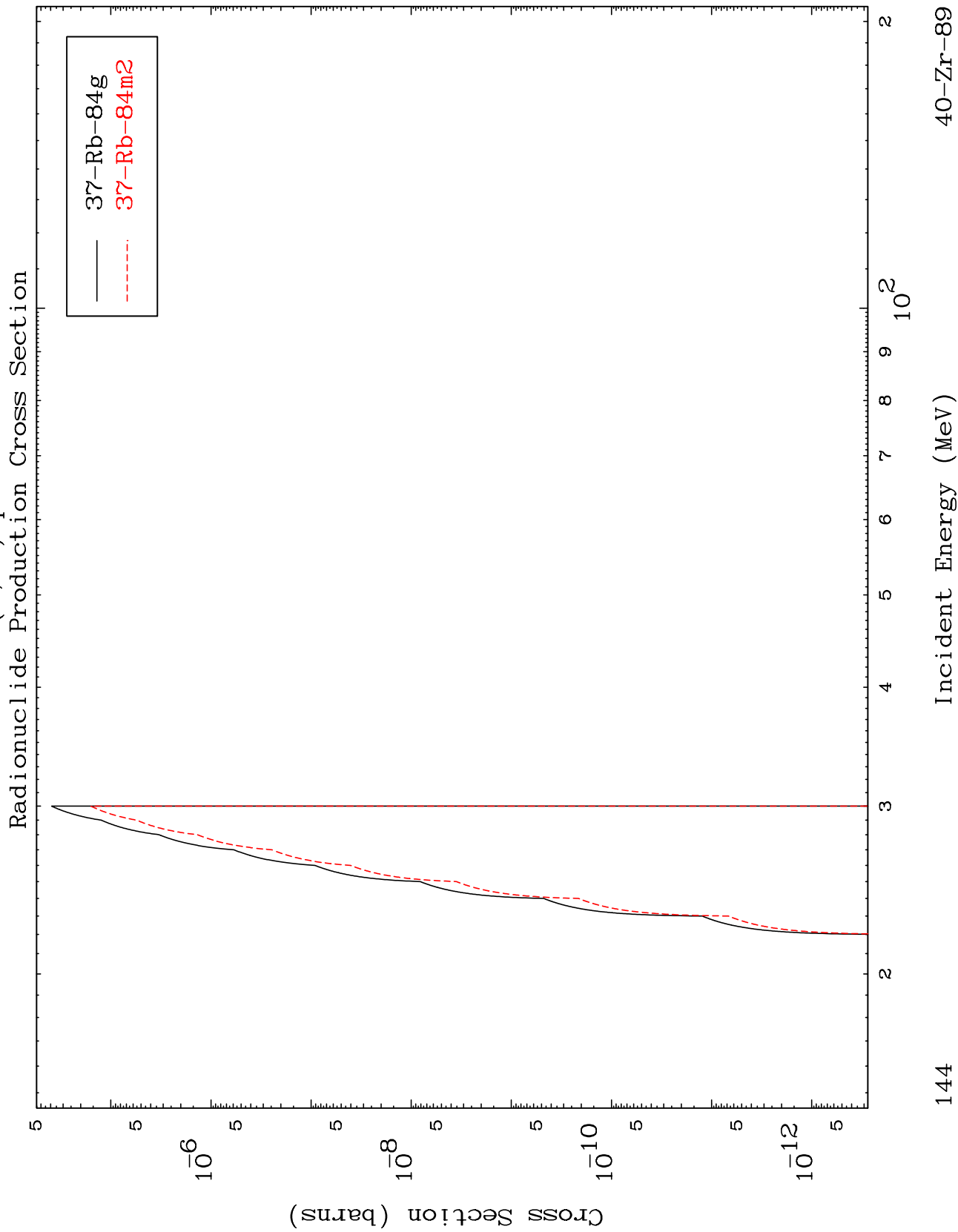
Radionuclide Production Cross Section



143

Incident Energy (MeV)

40-Zr-89

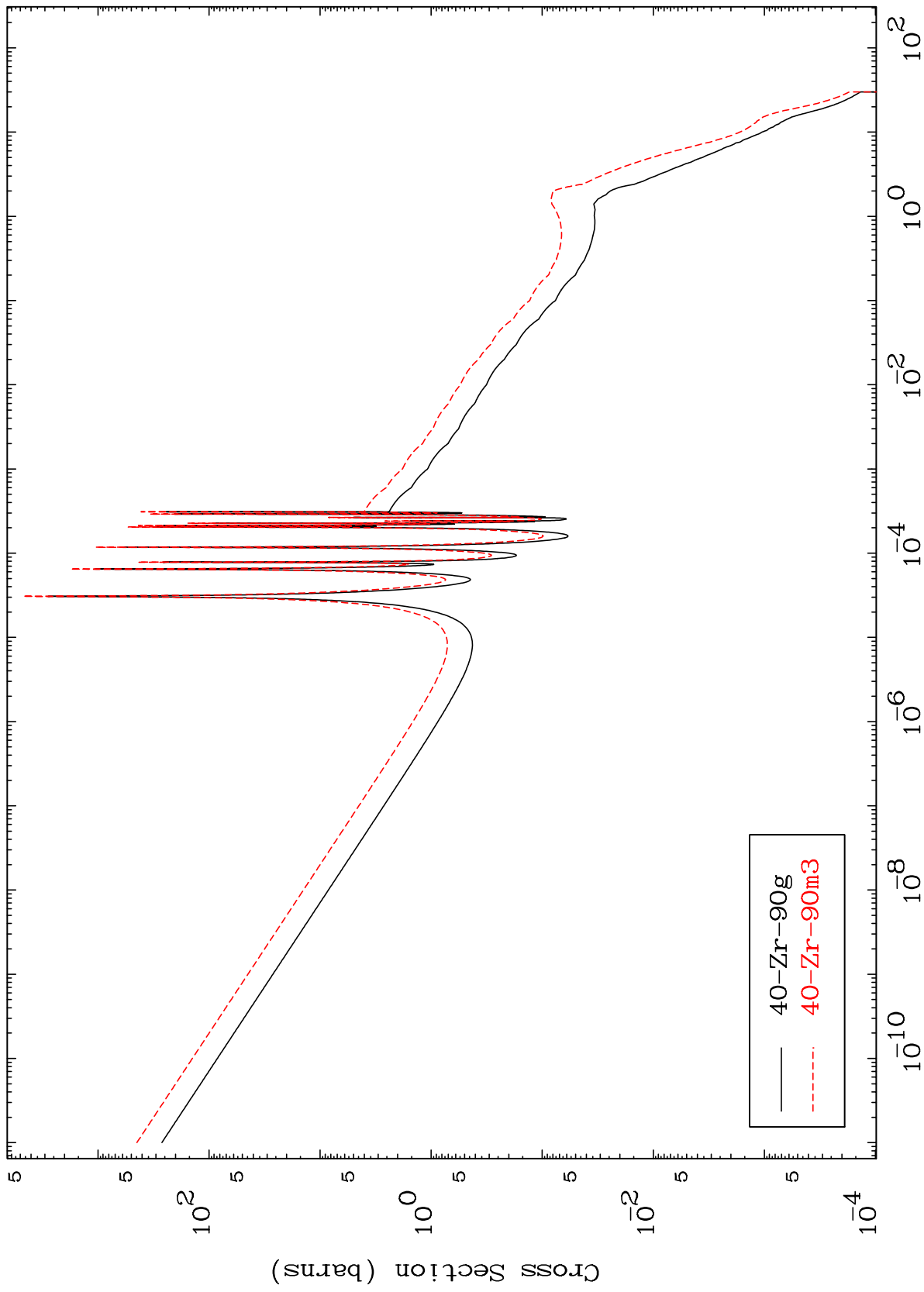


MAT 4022

40-Zr-89

Radionuclide Production Cross Section

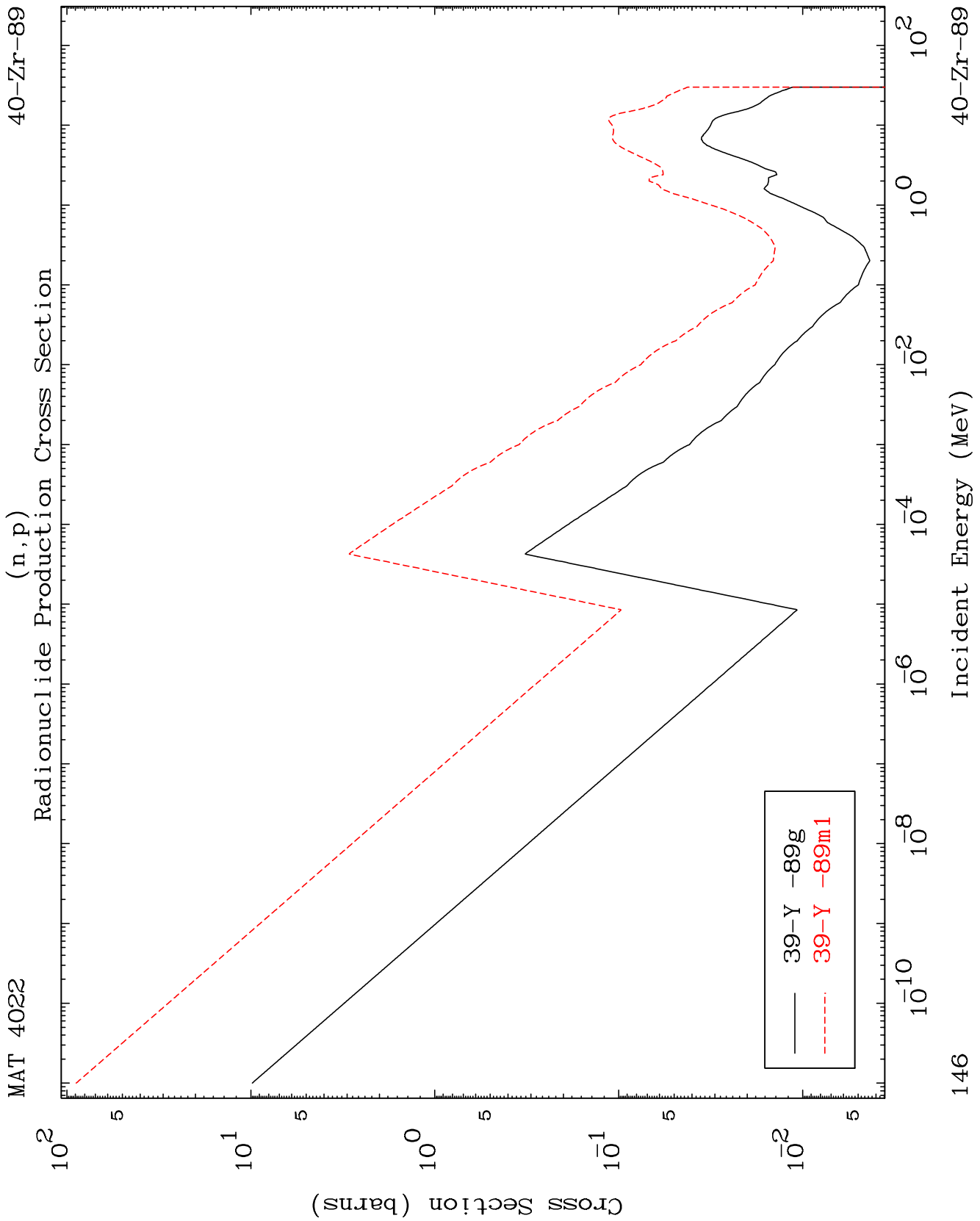
(n, γ)

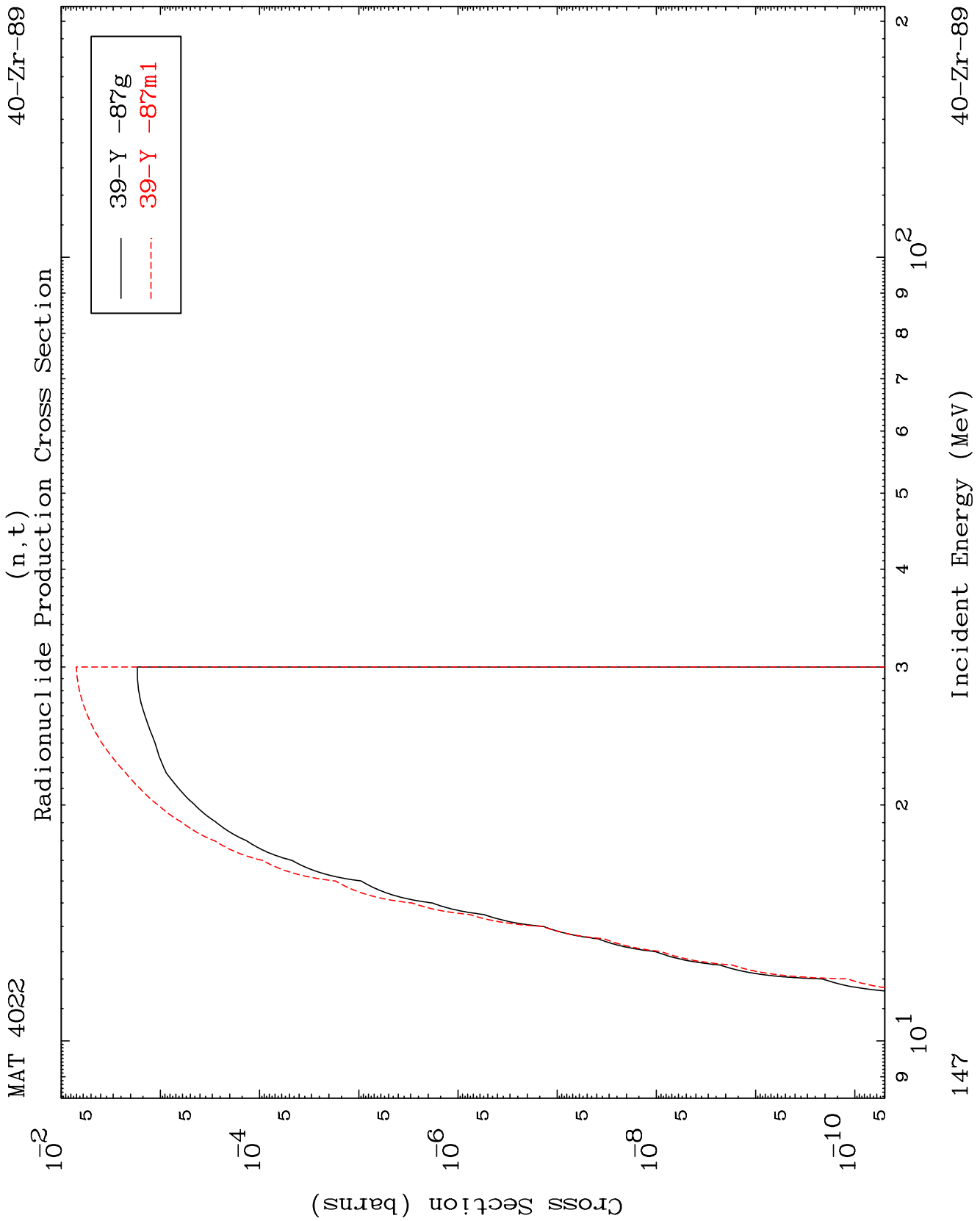


40-Zr-89

Incident Energy (MeV)

145

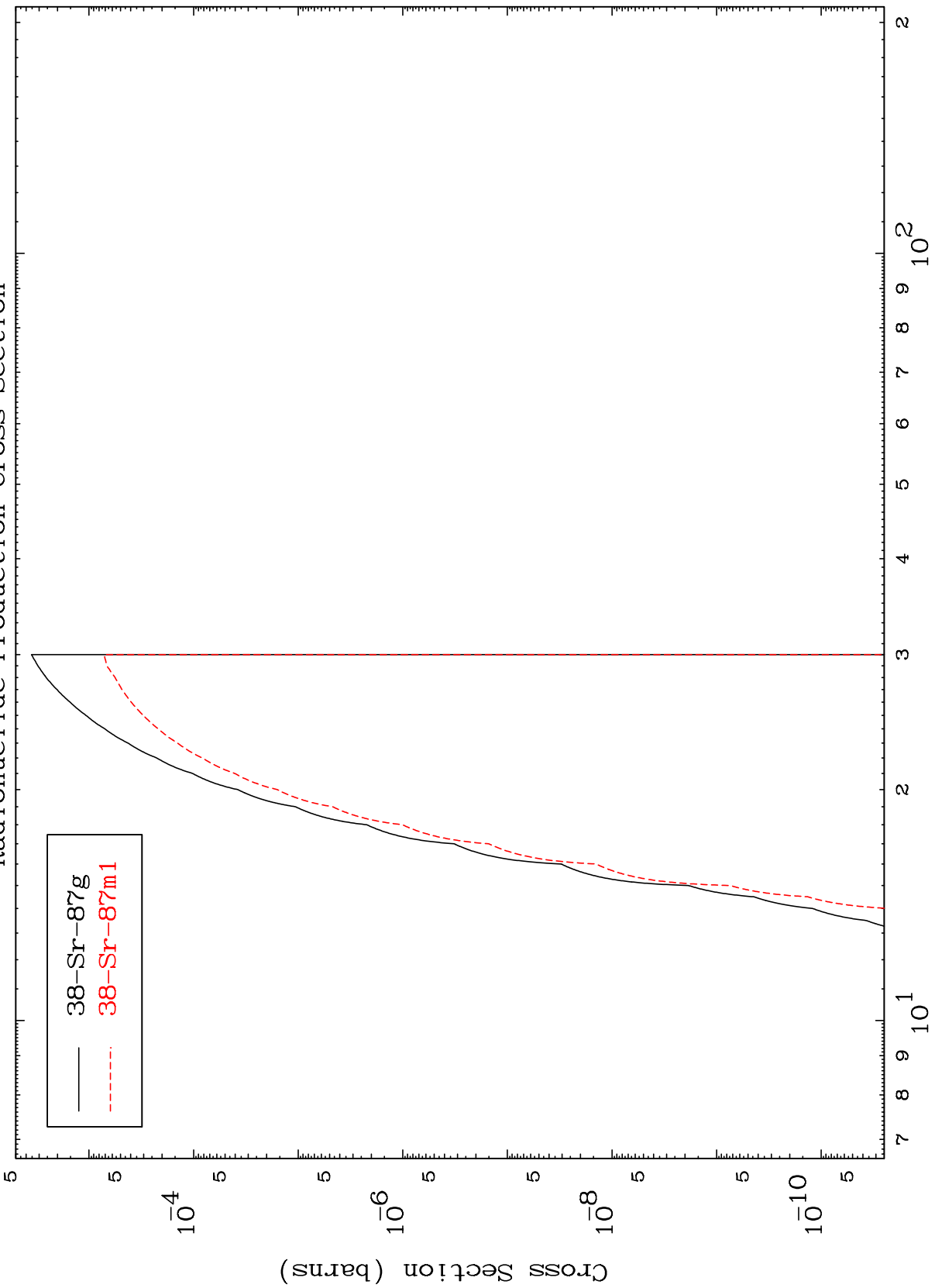




MAT 4022

40-Zr-89

Radionuclide Production Cross Section
(n,He-3)

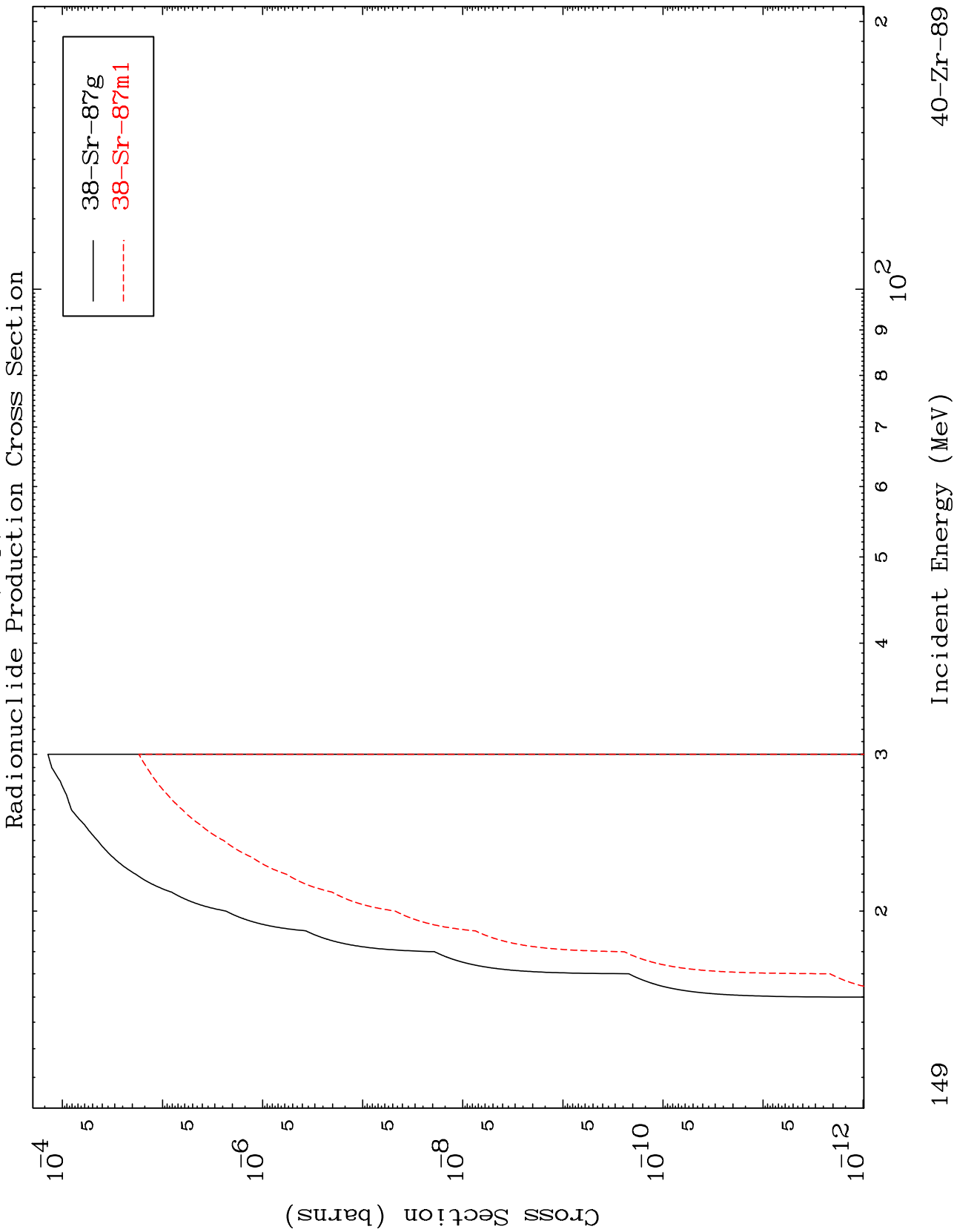


— 38-Sr-87g
- - - 38-Sr-87m1

Incident Energy (MeV)

40-Zr-89

148

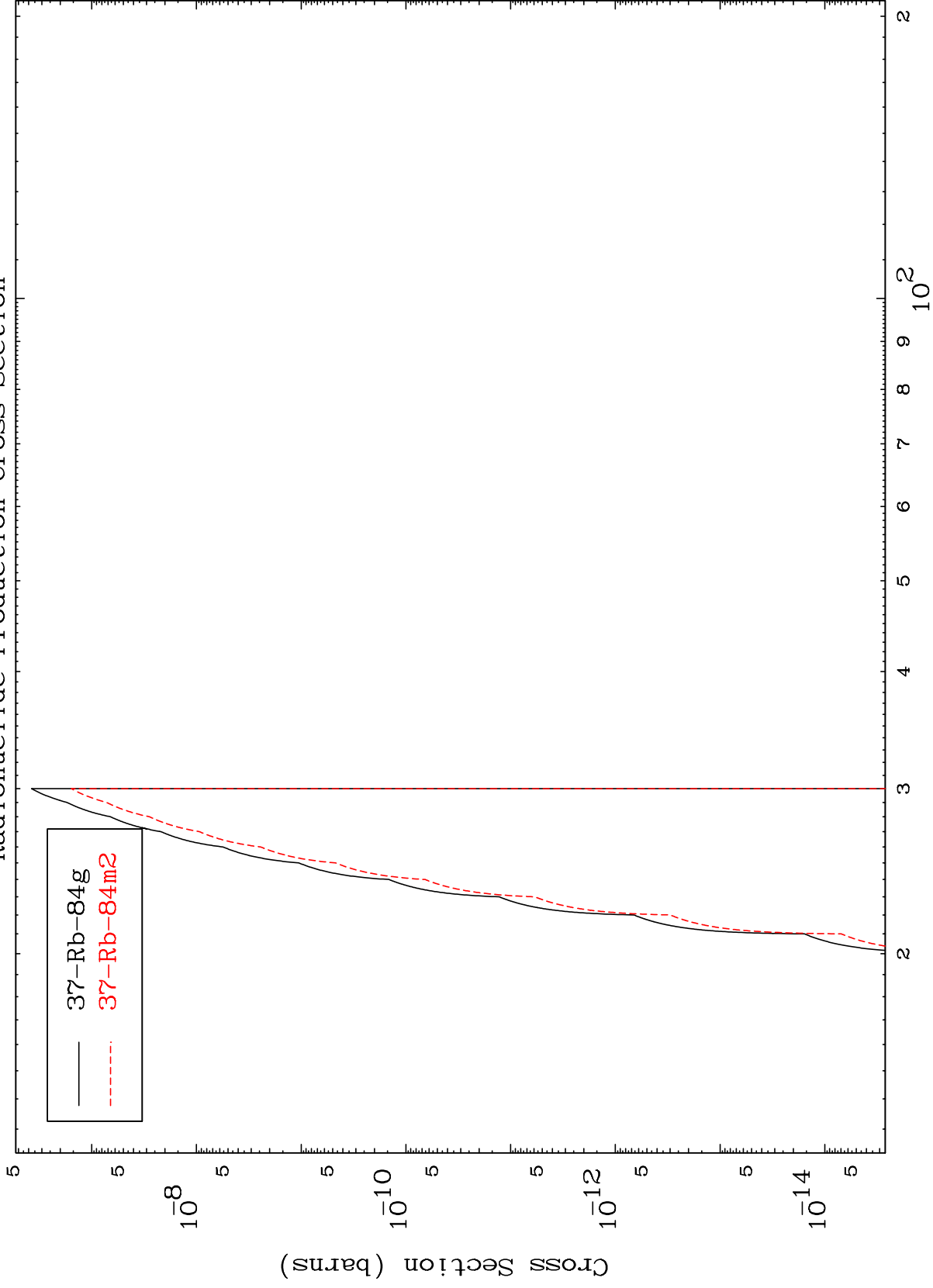


MAT 4022

(n,d) α

40-Zr-89

Radionuclide Production Cross Section



150

Incident Energy (MeV)

40-Zr-89