

Program EVALPLOT  
(Version 2021-1)

by

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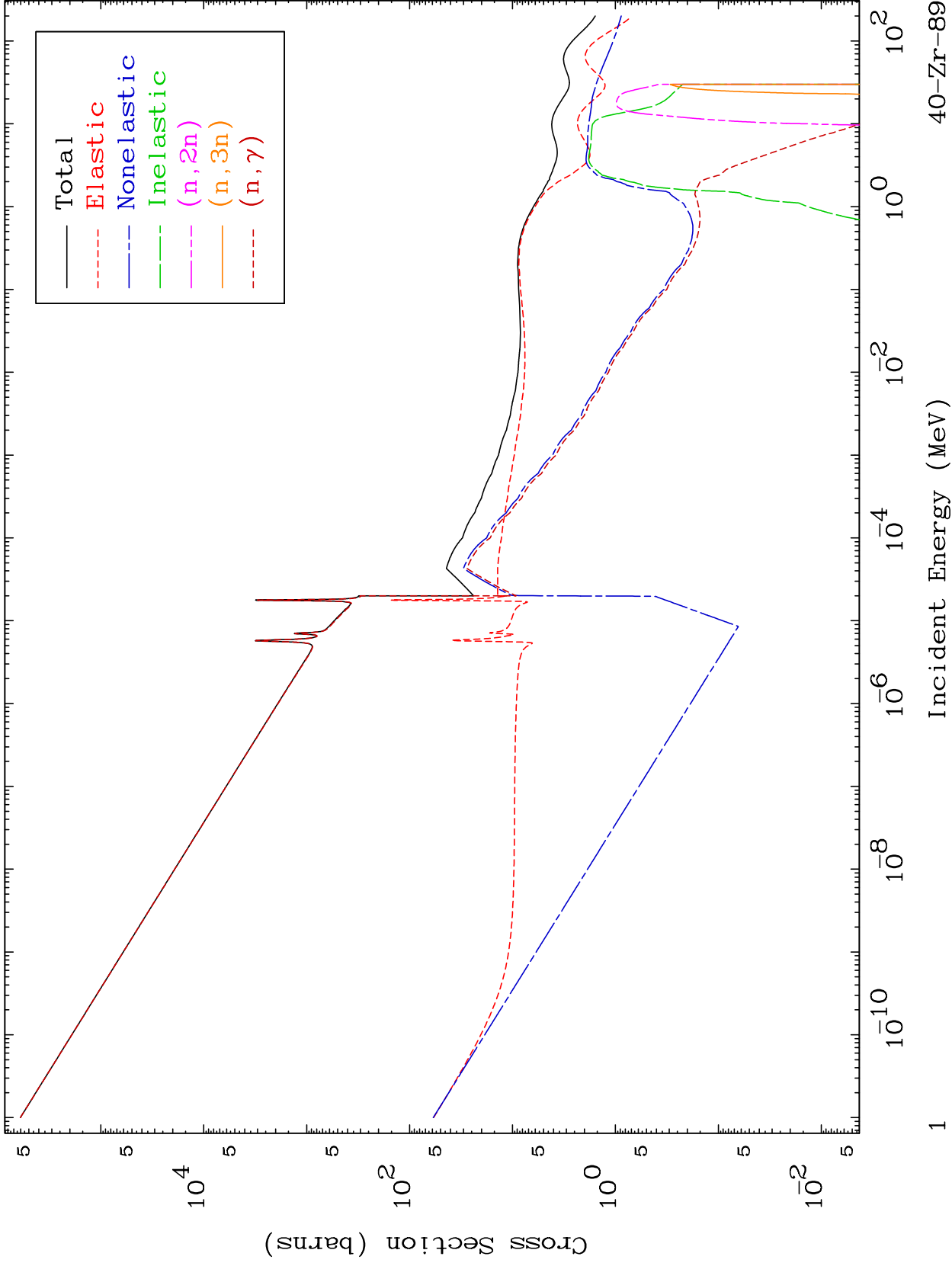
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Press Mouse Button to Start

MAT 4022

Neutron Major  
293 Kelvin Cross Sections

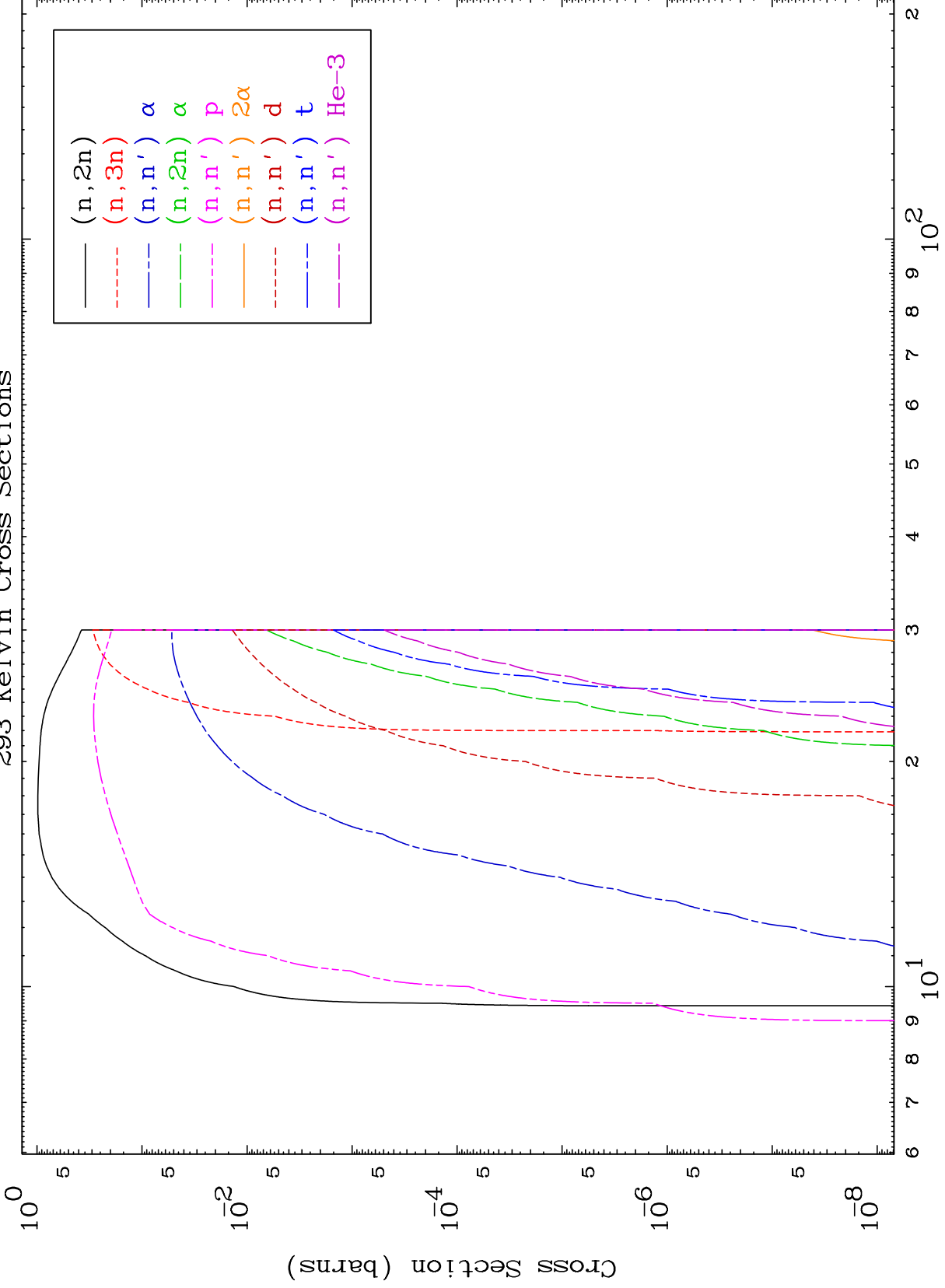
40-Zr-89



MAT 4022

Neutron Absorption  
293 Kelvin Cross Sections

40-Zr-89



2

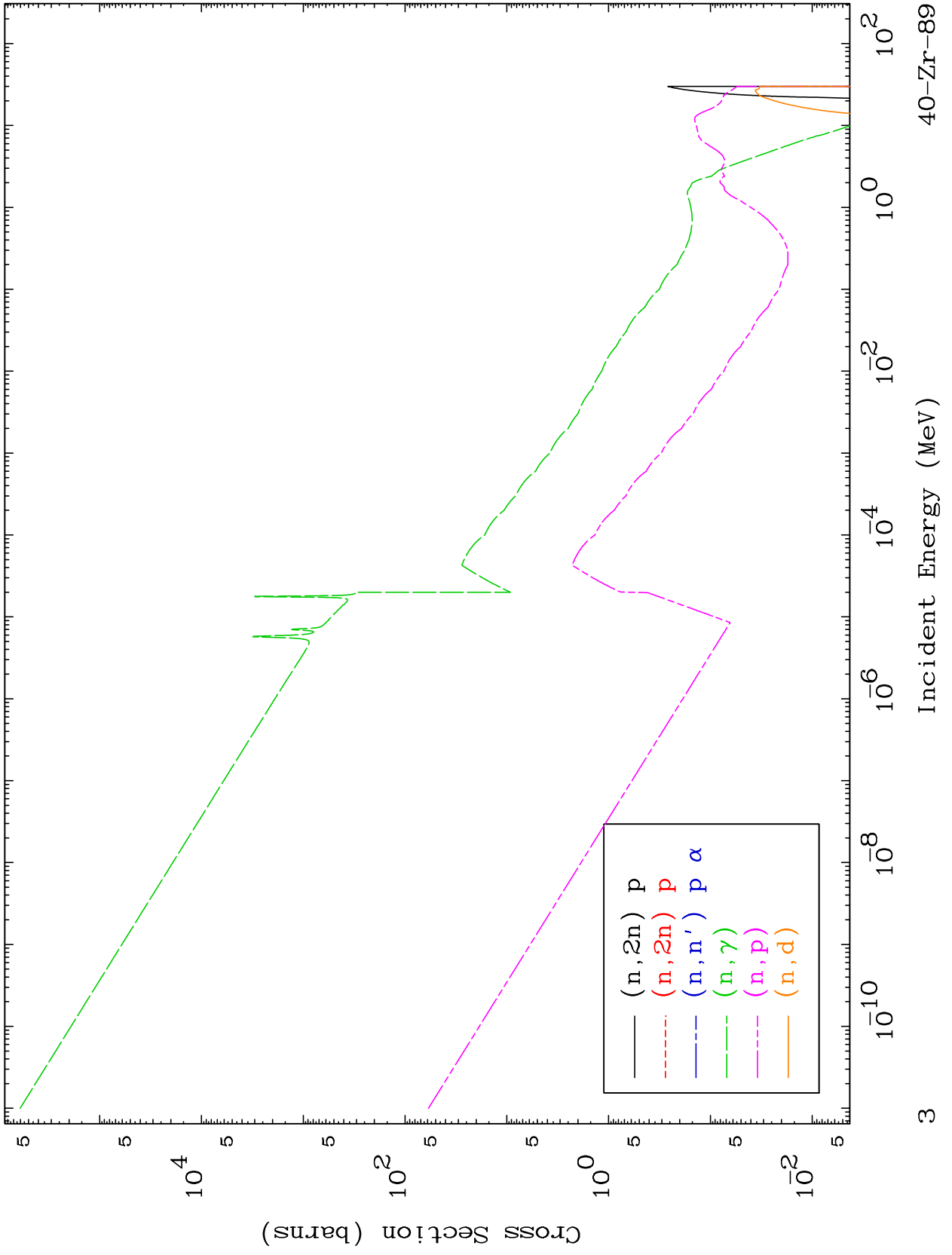
Incident Energy (MeV)

40-Zr-89

MAT 4022

Neutron Absorption  
293 Kelvin Cross Sections

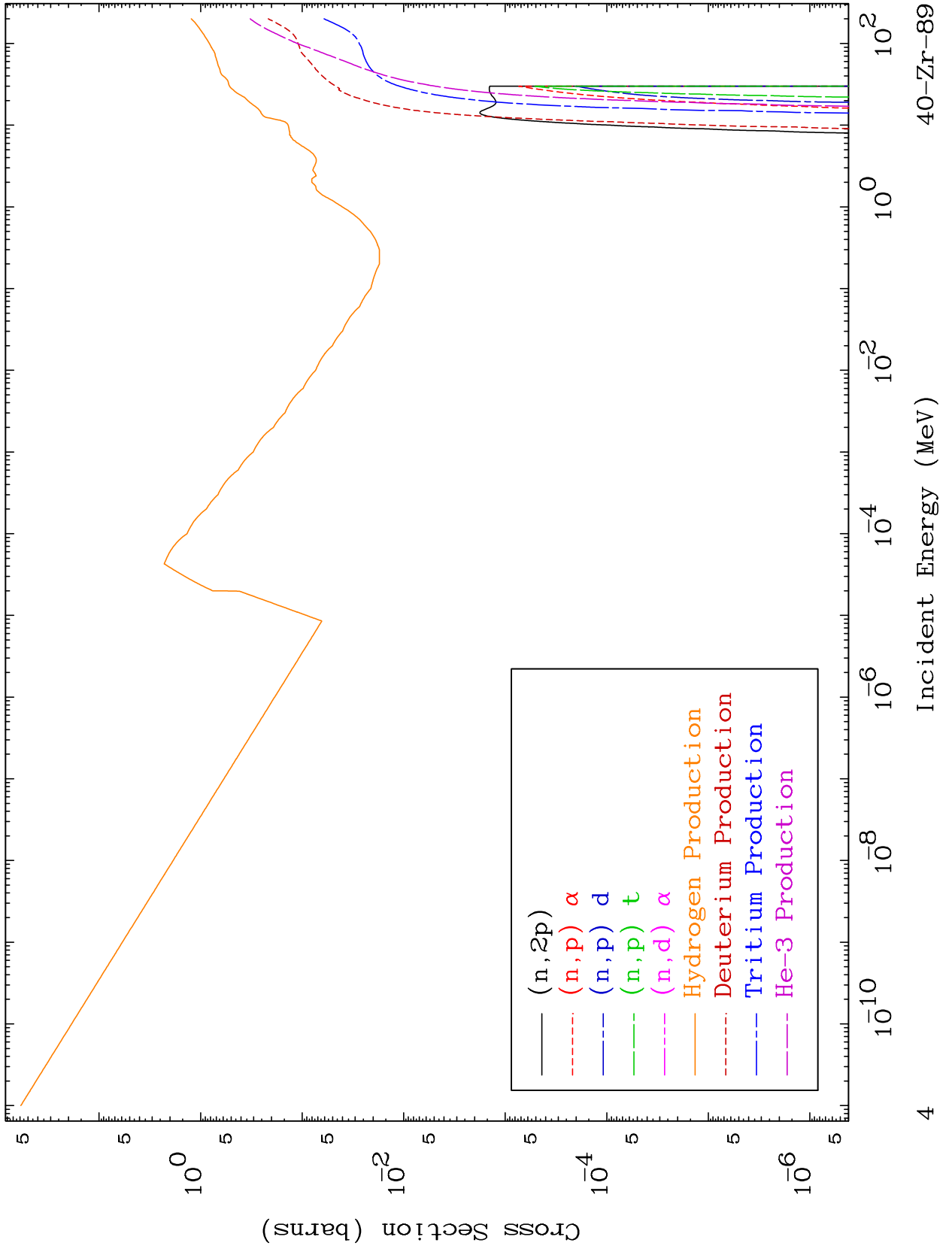
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MAT 4022

Neutron Absorption  
293 Kelvin Cross Sections

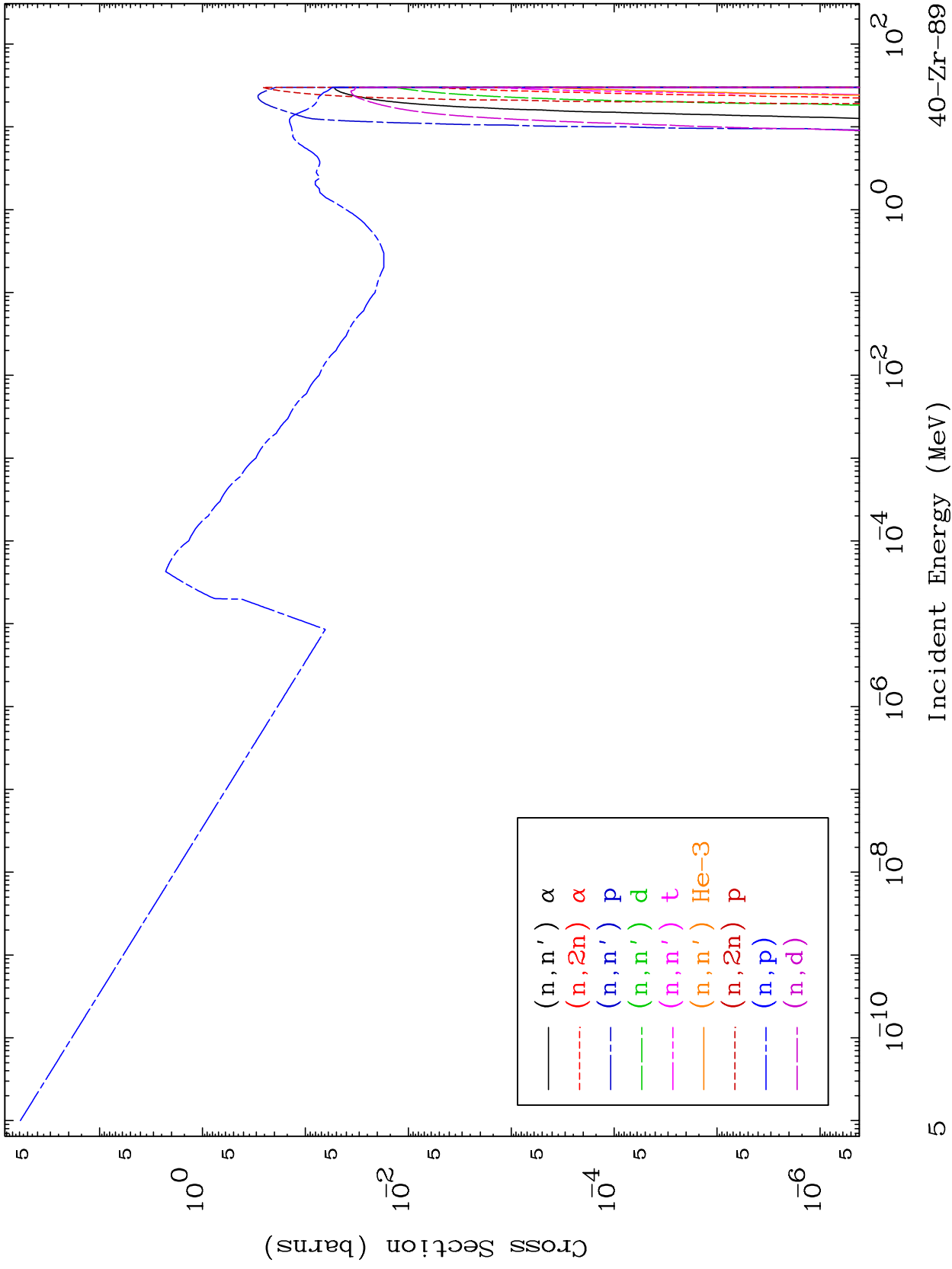
40-Zr-89



MAT 4022

Charged Particle  
293 Kelvin Cross Sections

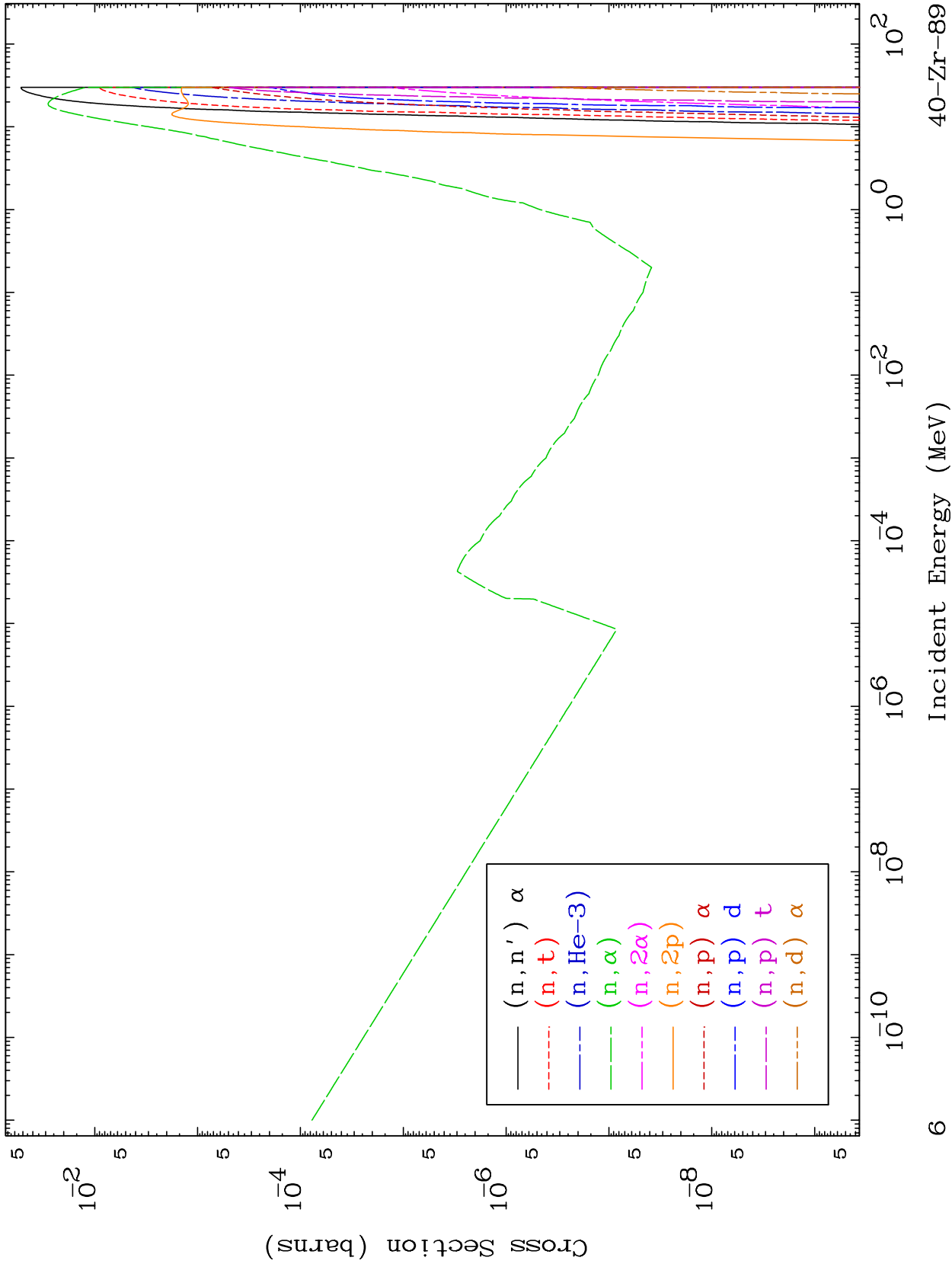
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MAT 4022

Charged Particle  
293 Kelvin Cross Sections

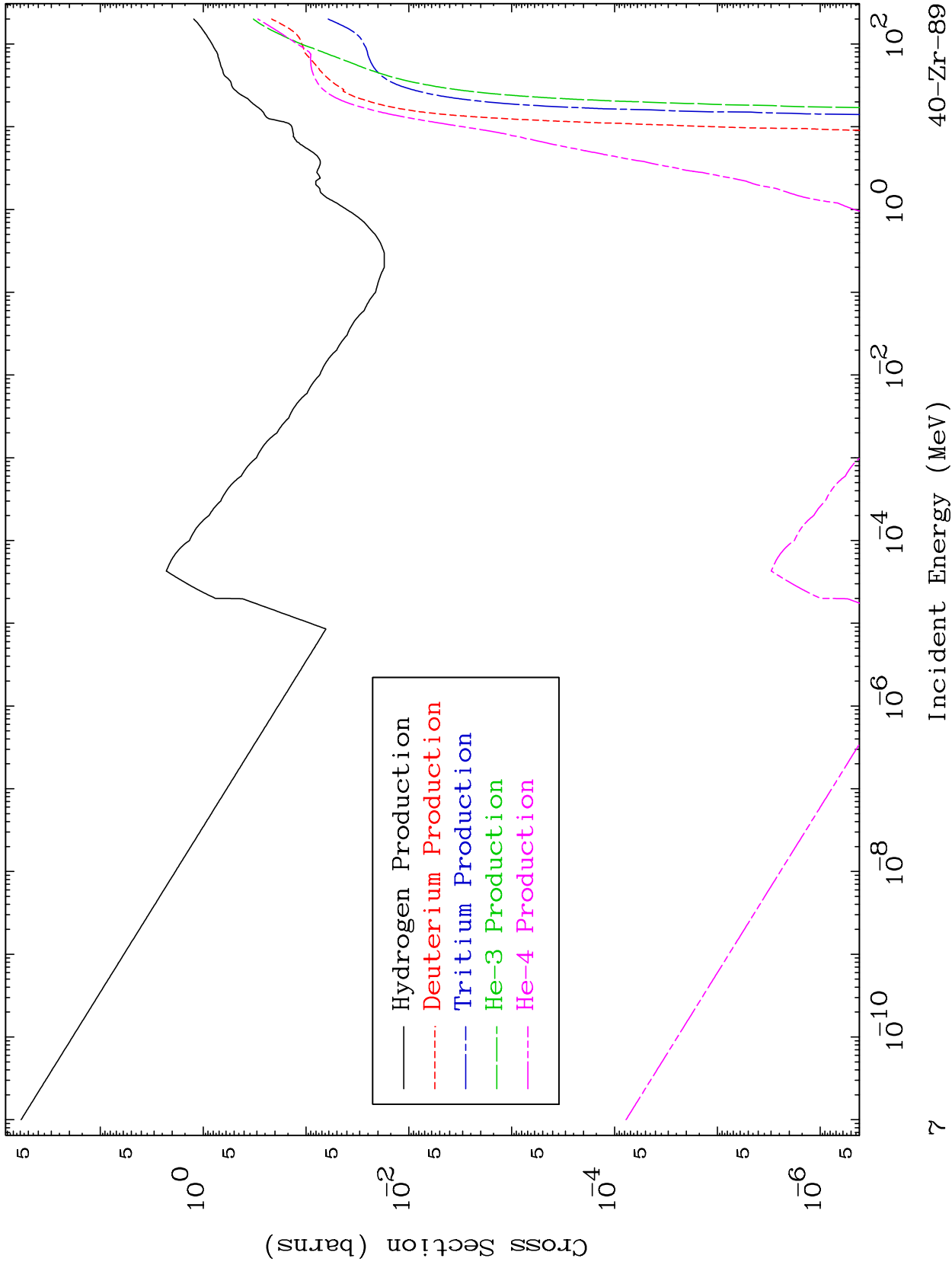
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MAT 4022

Particle Production  
293 Kelvin Cross Sections

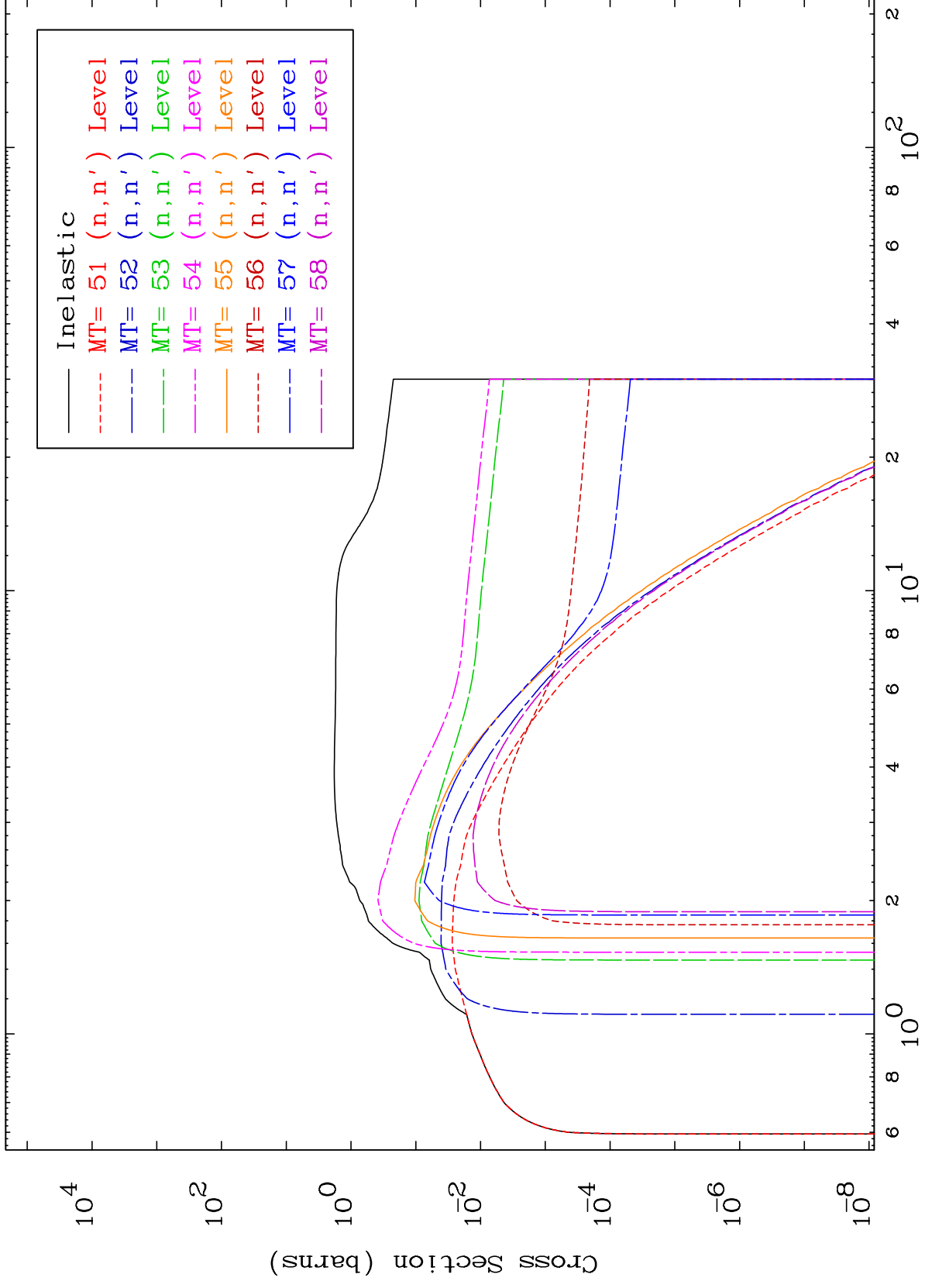
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MAT 4022

(n,n') Levels  
293 Kelvin Cross Sections

40-Zr-89



8

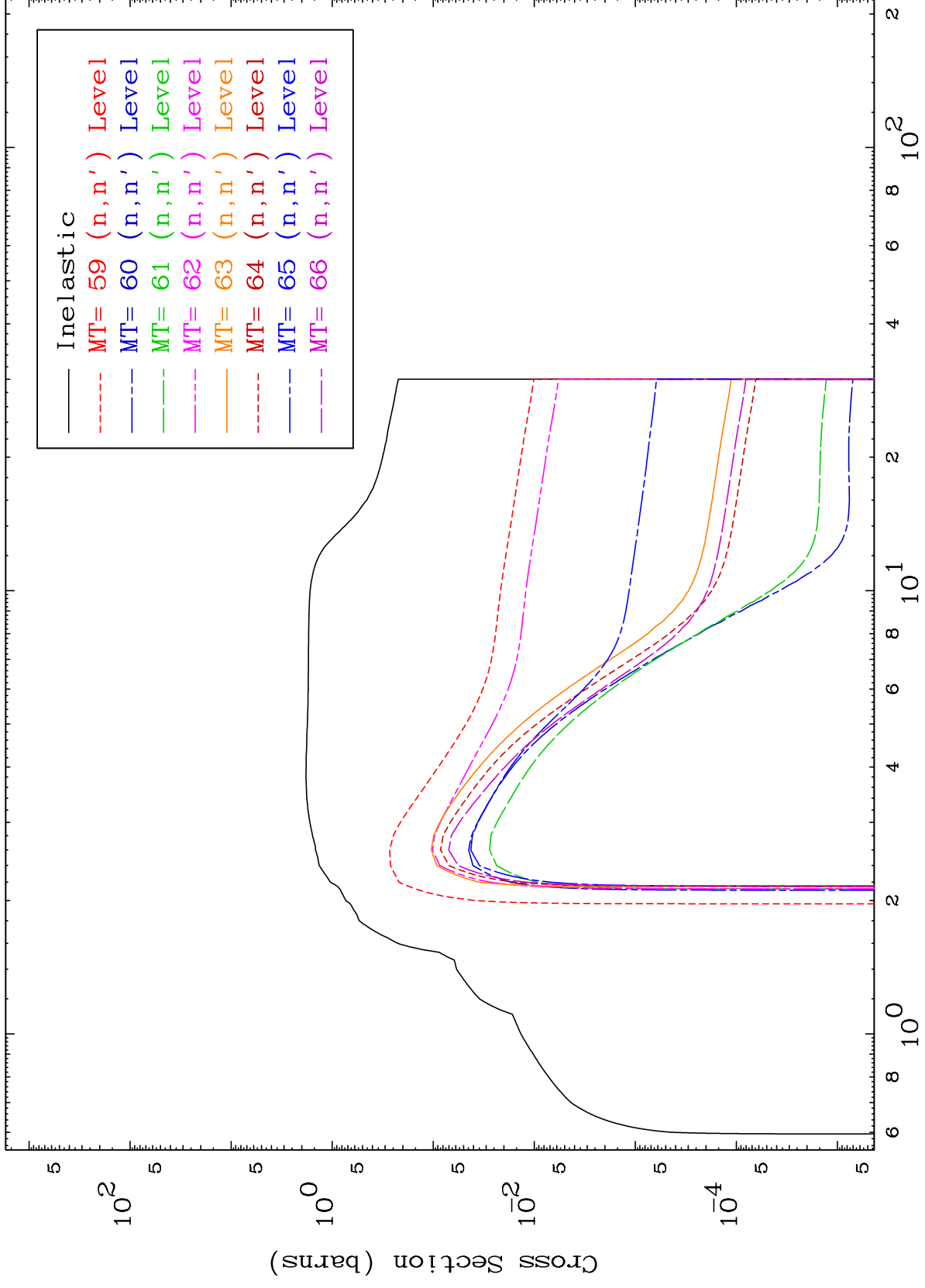
Incident Energy (MeV)

40-Zr-89

MAT 4022

(n,n') Levels  
293 Kelvin Cross Sections

40-Zr-89



9

Incident Energy (MeV)

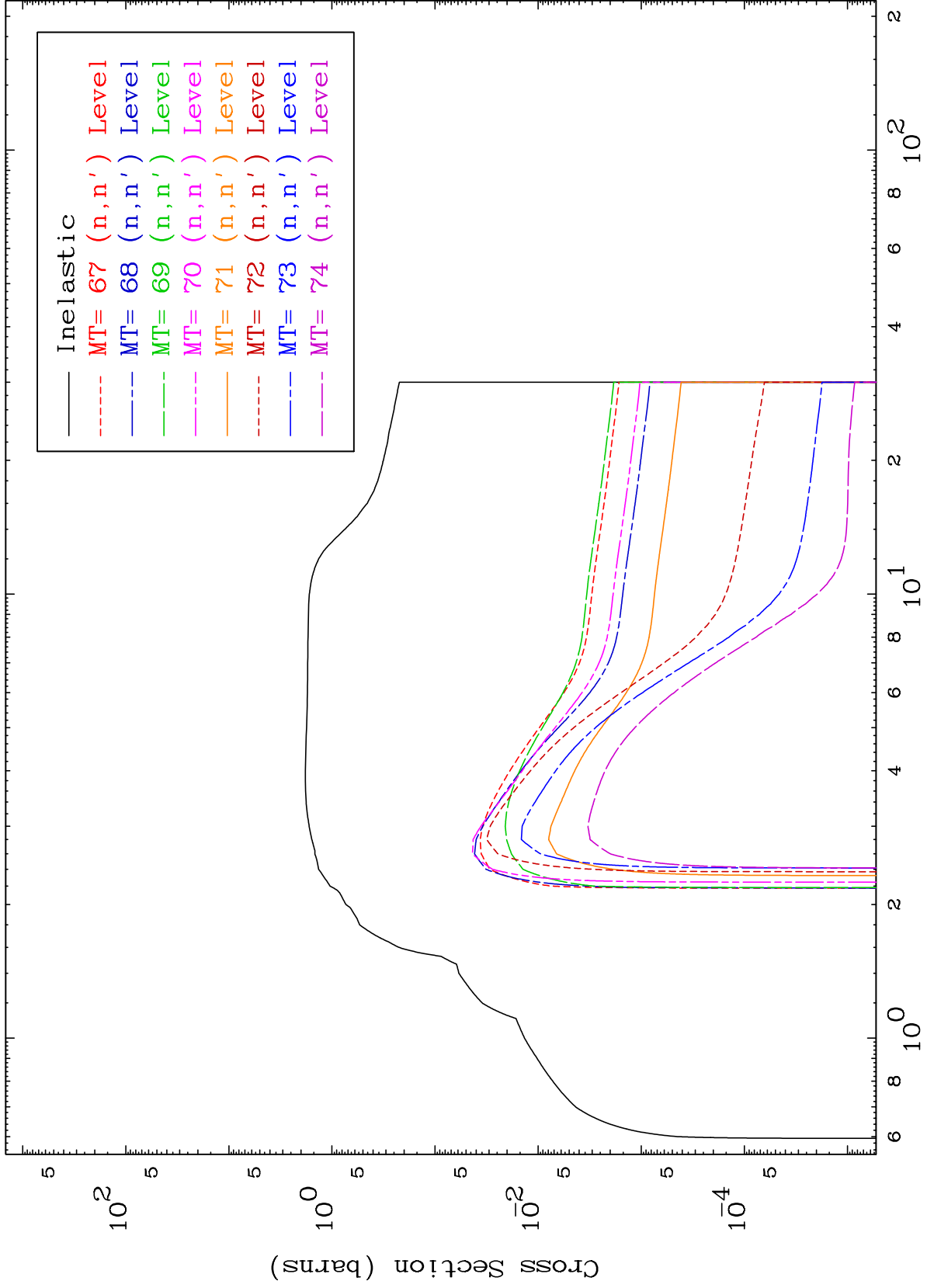
40-Zr-89

MAT 4022

(n,n') Levels

40-Zr-89

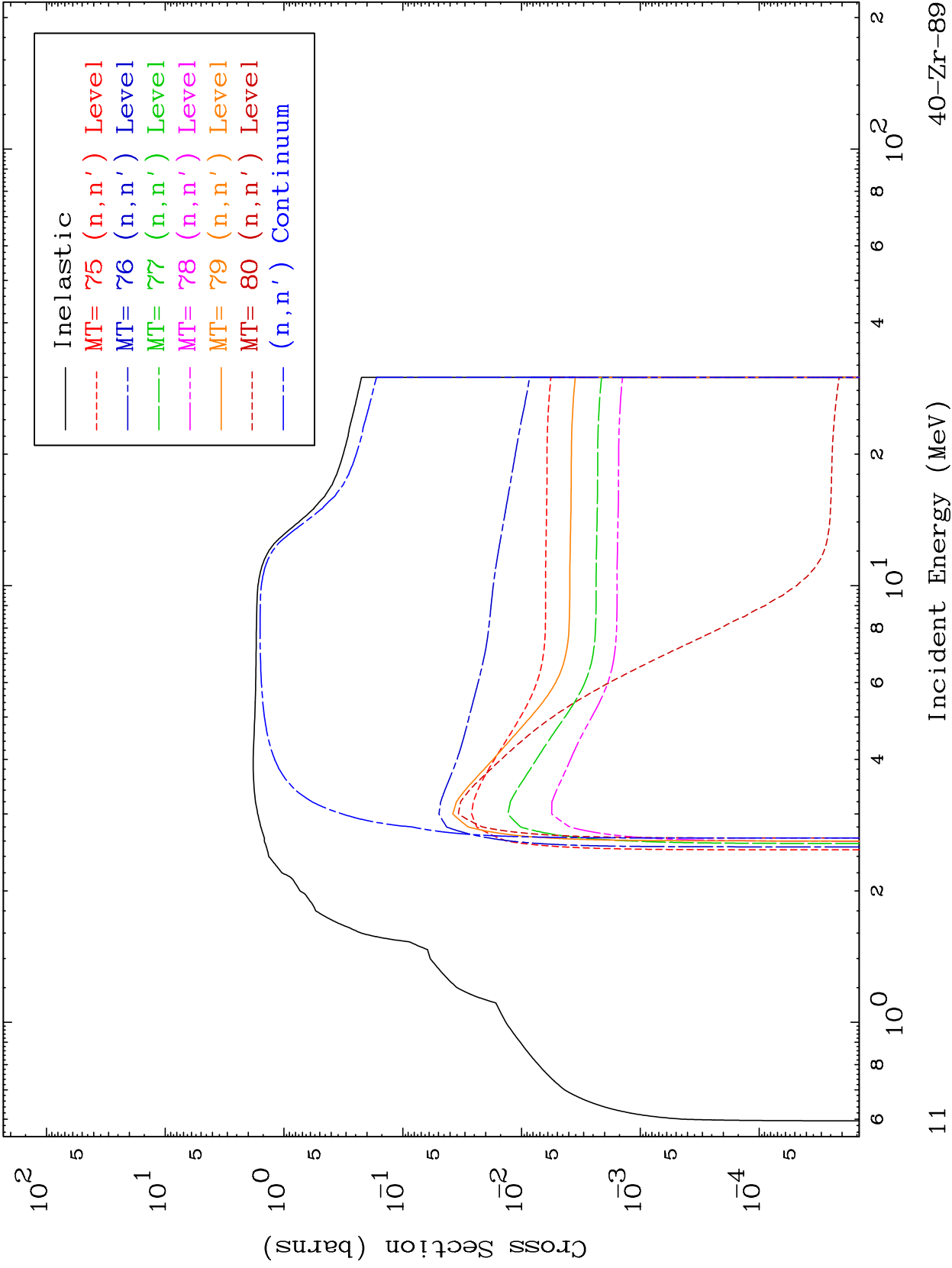
293 Kelvin Cross Sections



10

Incident Energy (MeV)

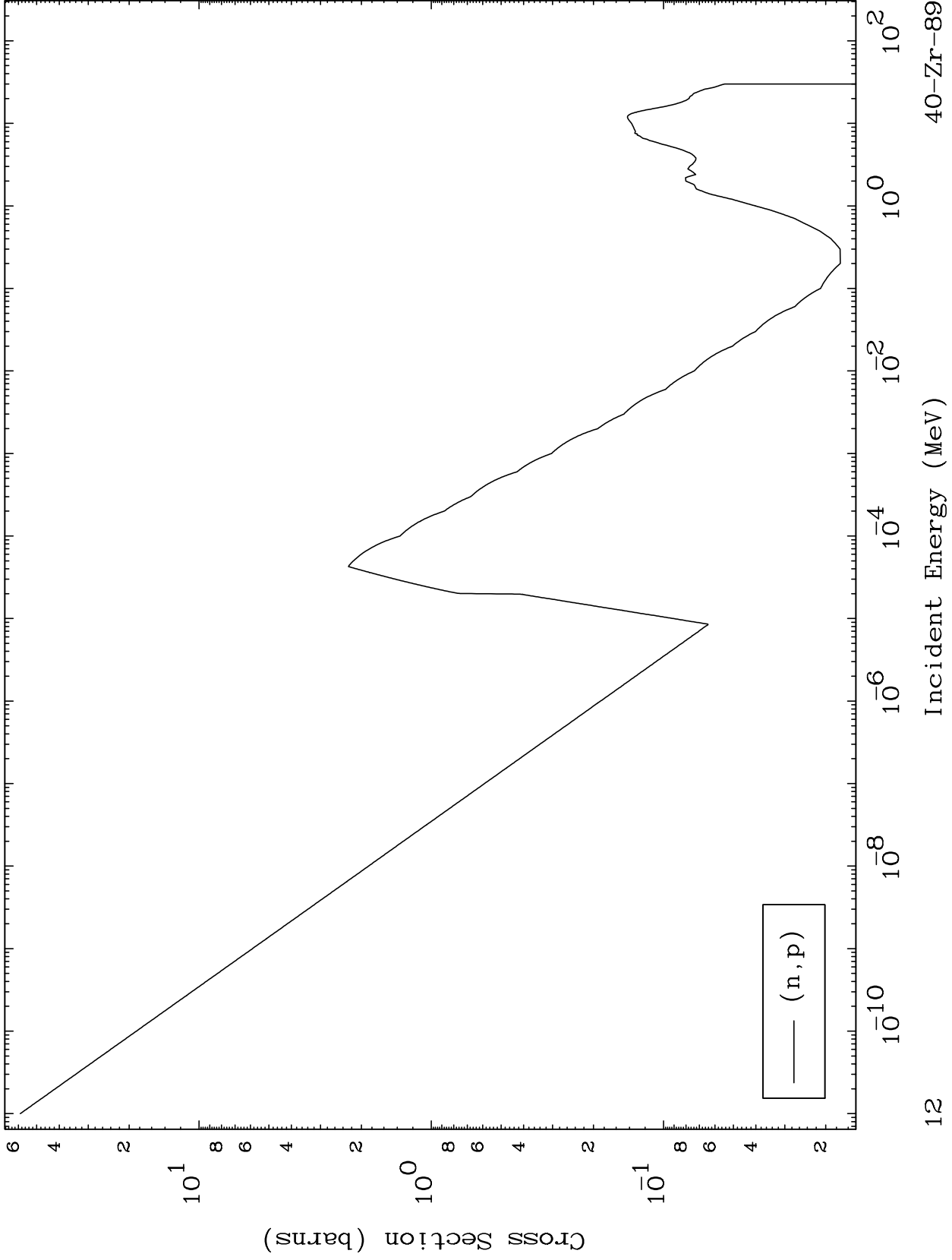
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MAT 4022

(n,p) Levels  
293 Kelvin Cross Sections

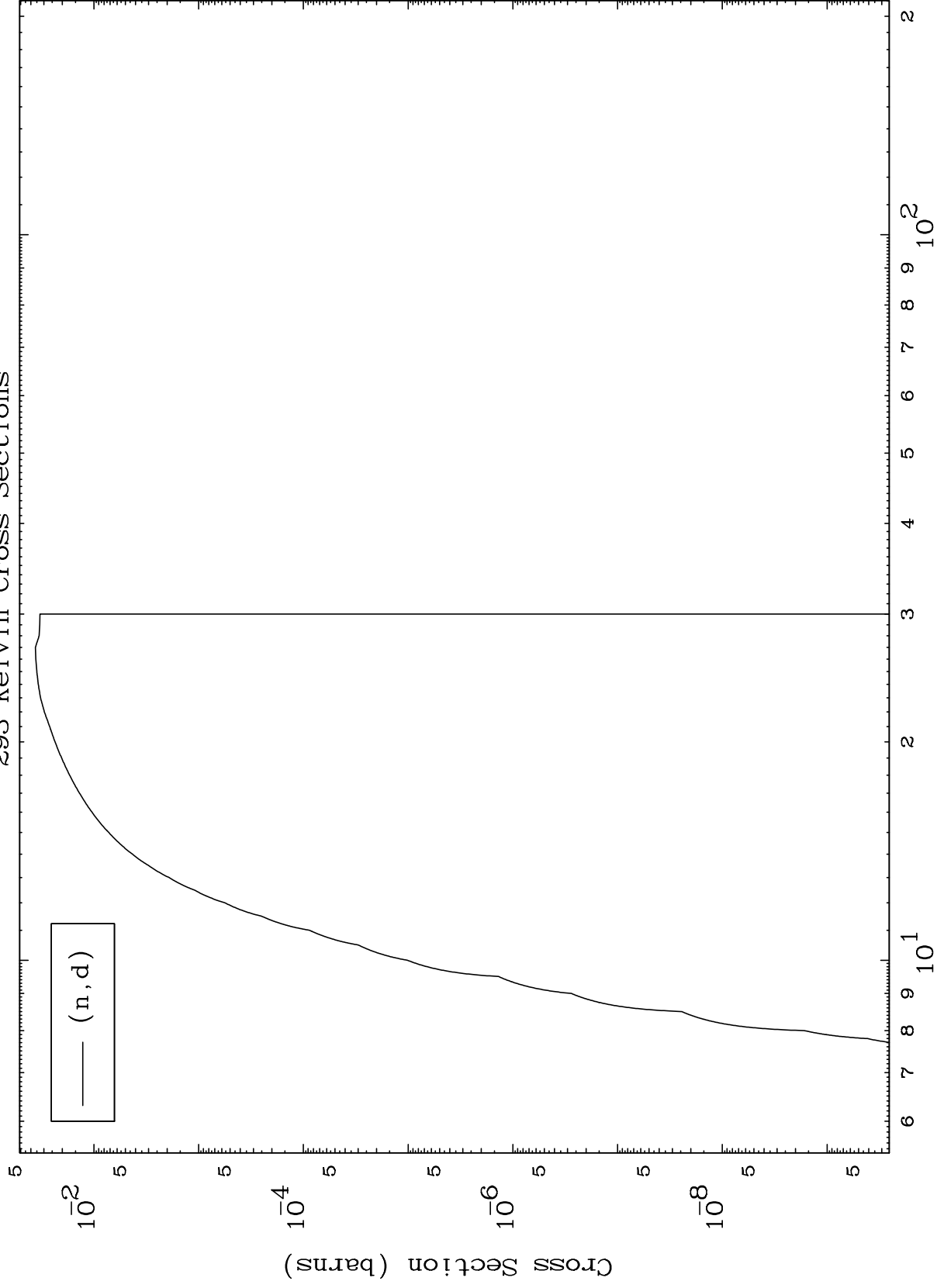
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MAT 4022

(n,d) Levels  
293 Kelvin Cross Sections

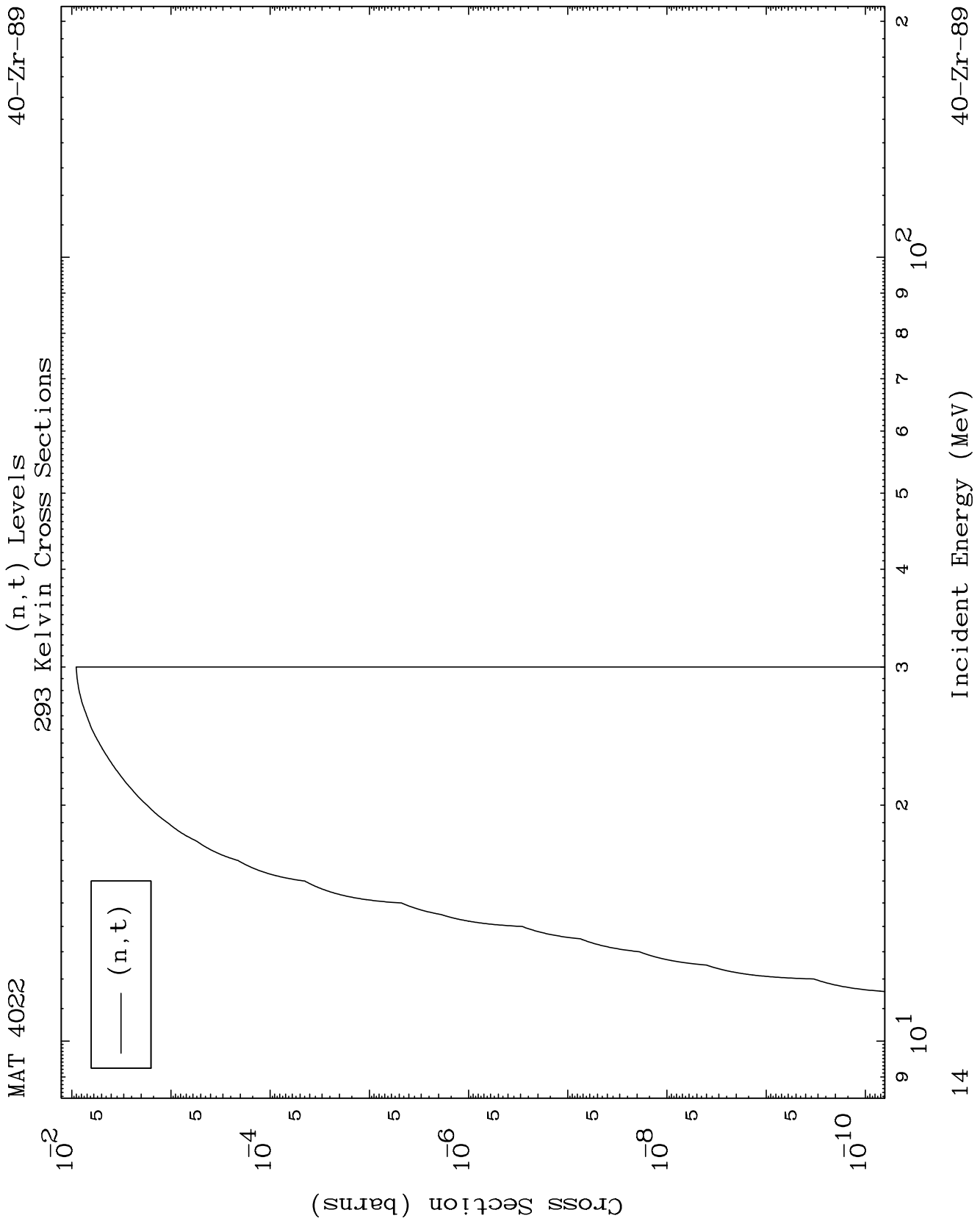
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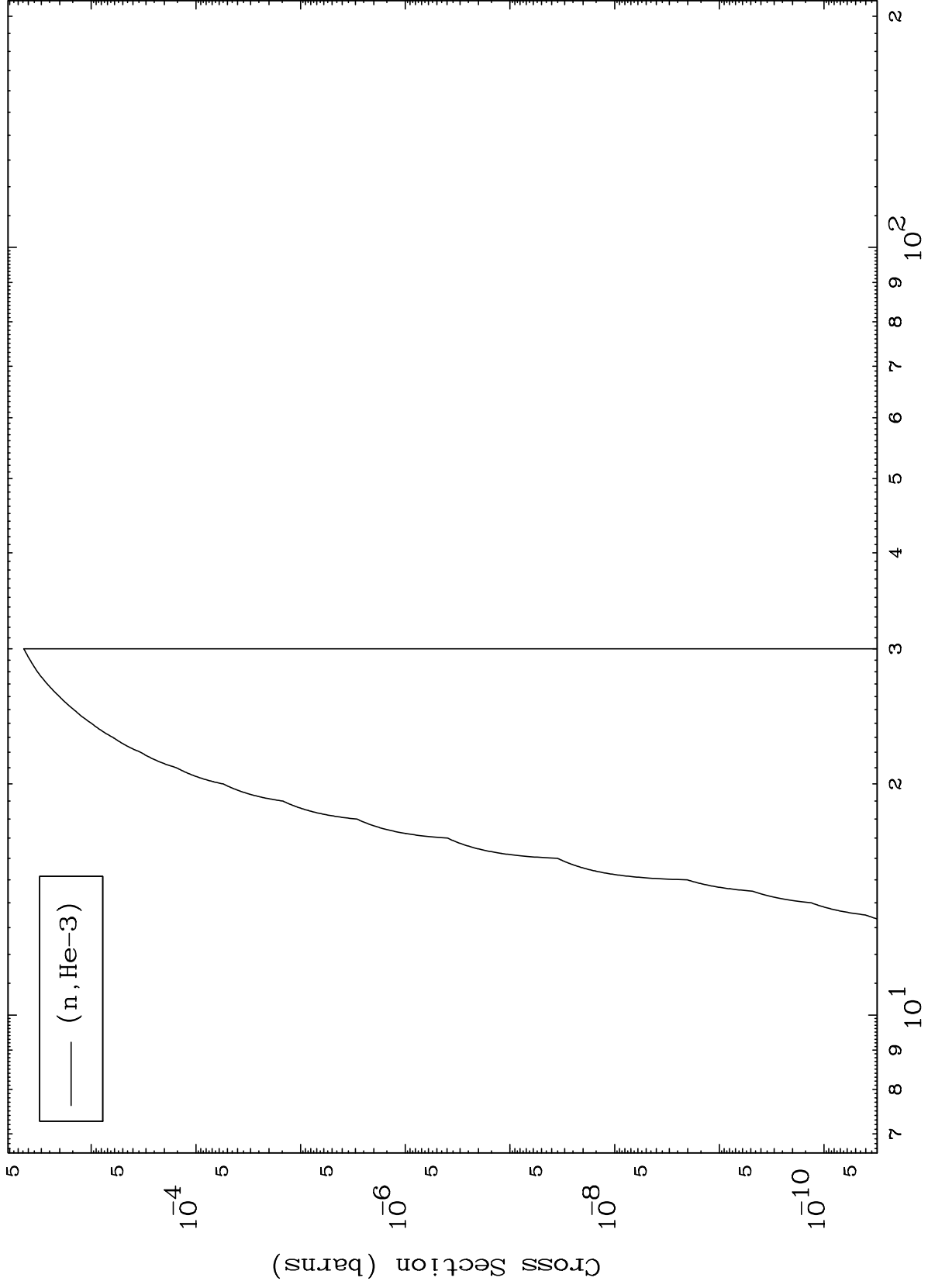
40-Zr-89



MAT 4022

(n,He3) Levels  
293 Kelvin Cross Sections

40-Zr-89



15

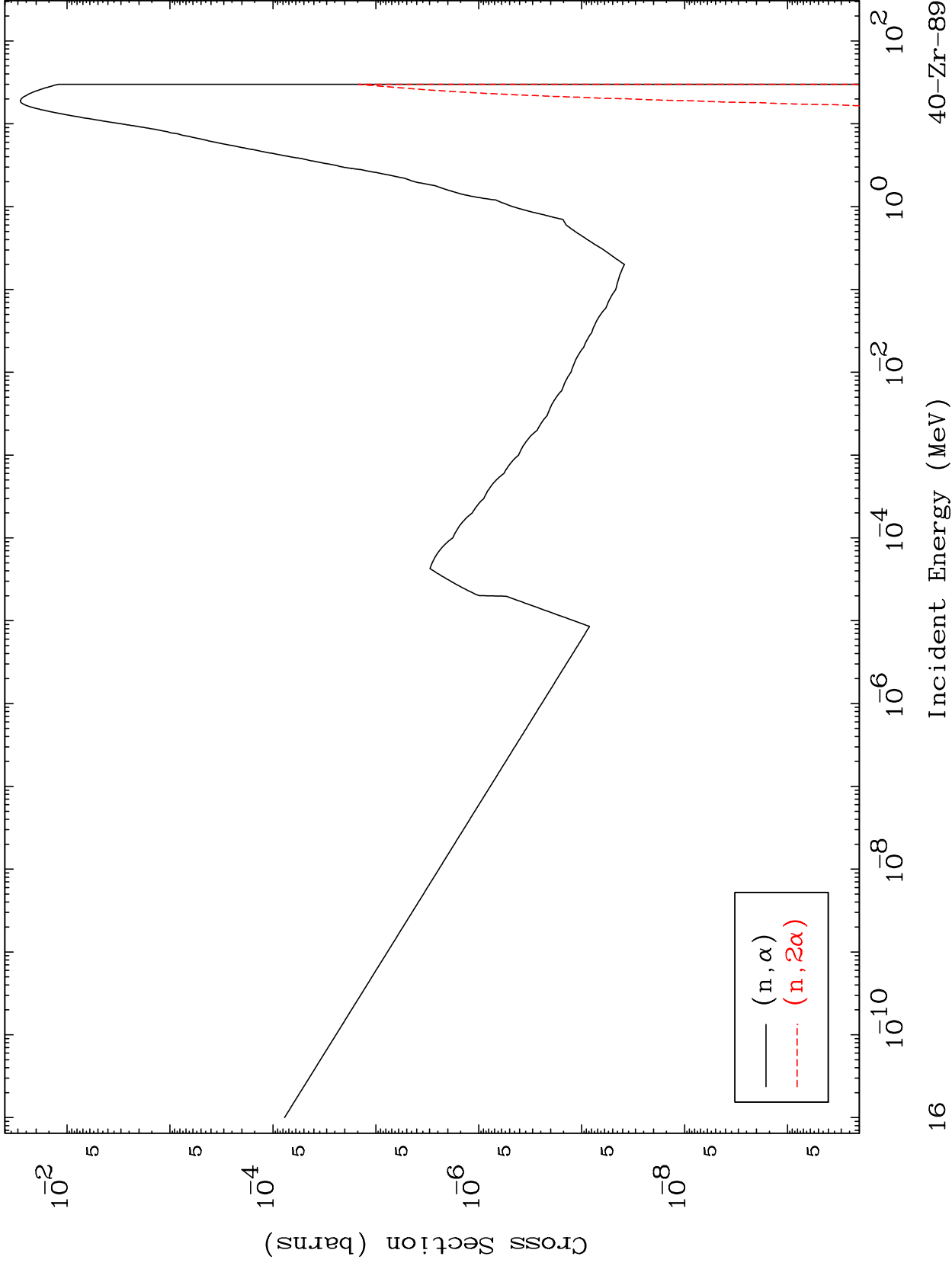
Incident Energy (MeV)

40-Zr-89

MAT 4022

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

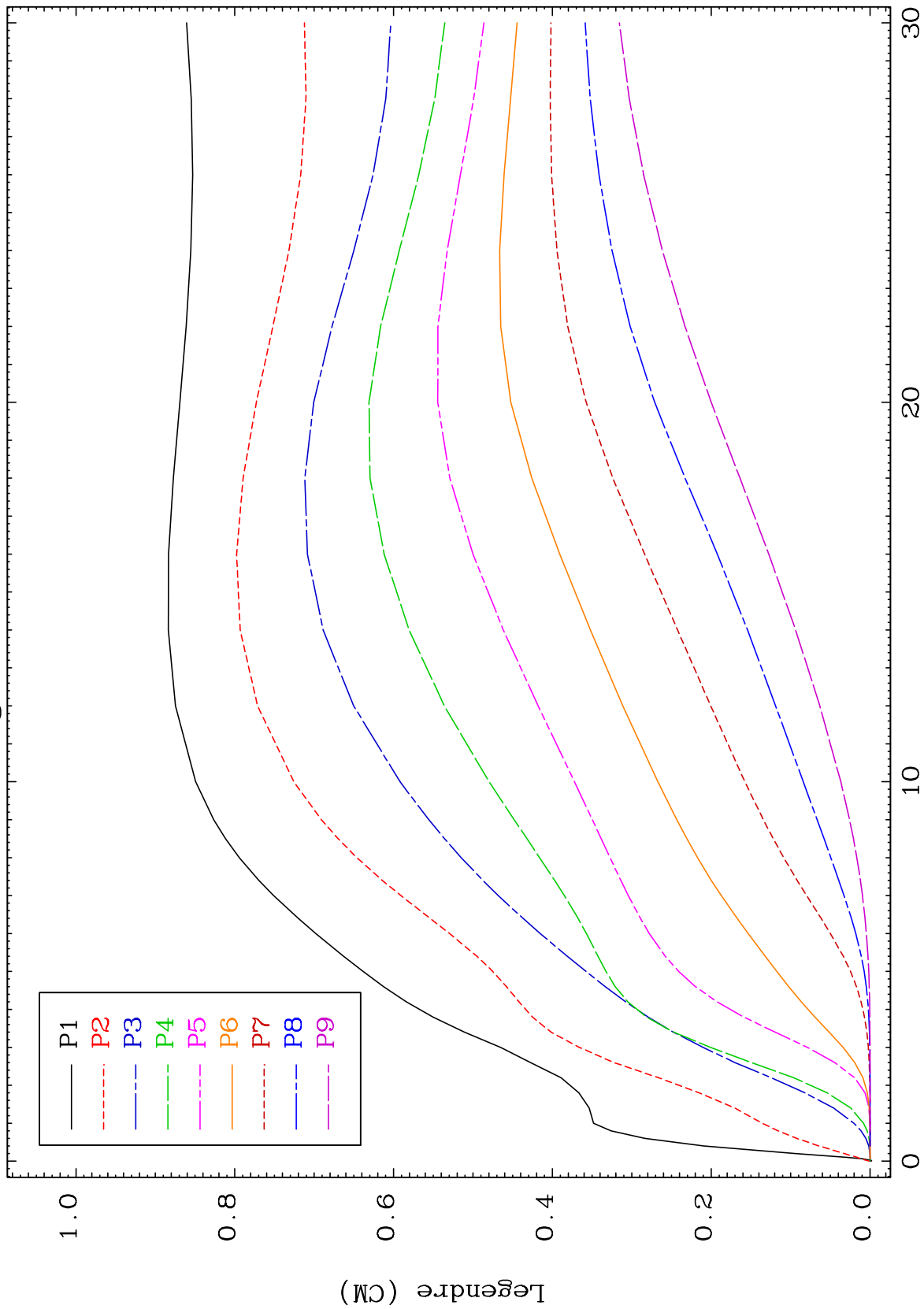
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MAT 4022

Elastic Legendre Coefficients

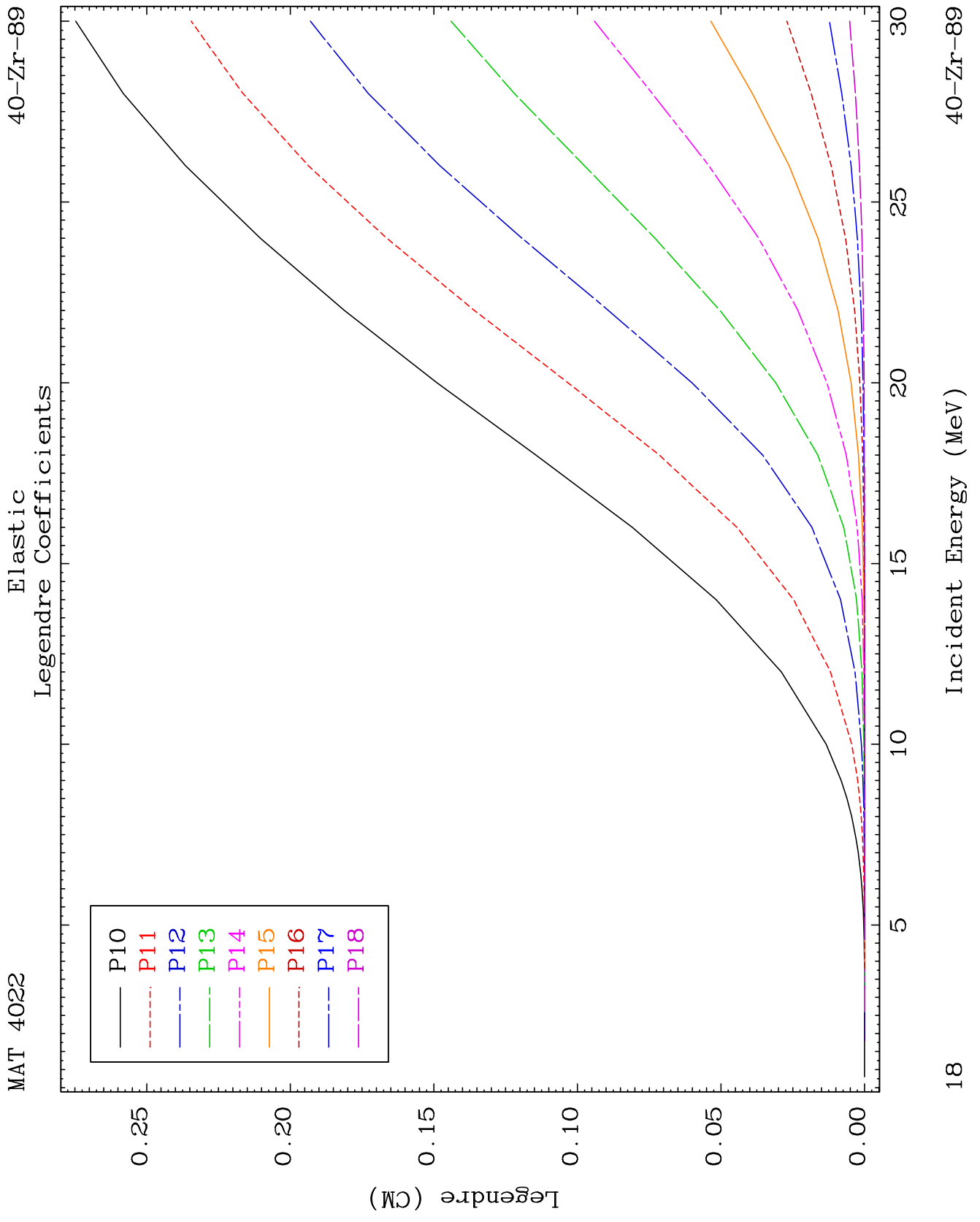
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17

Incident Energy (MeV)

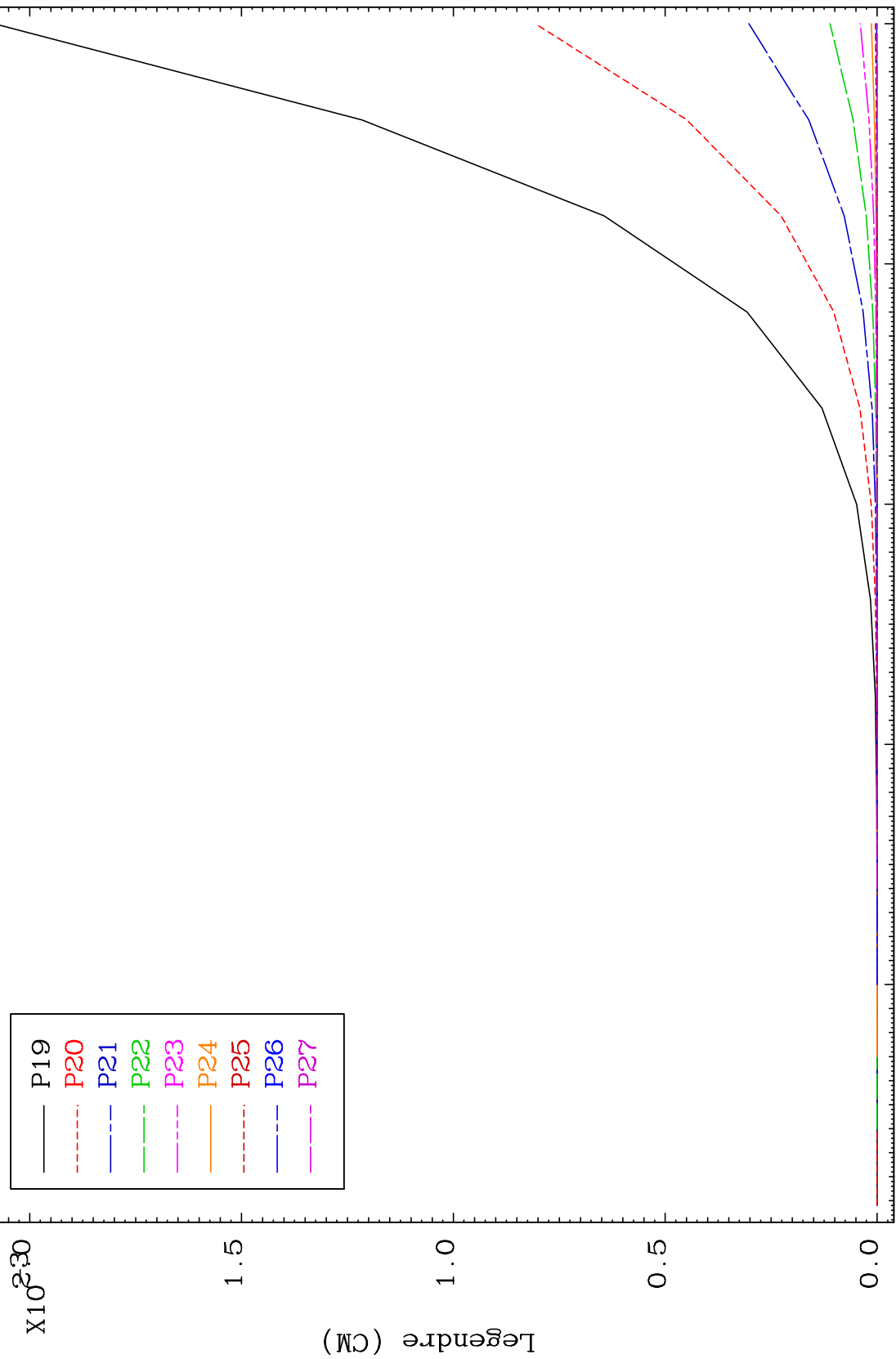
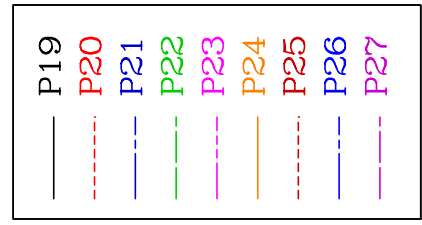
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MAT 4022

Elastic Legendre Coefficients

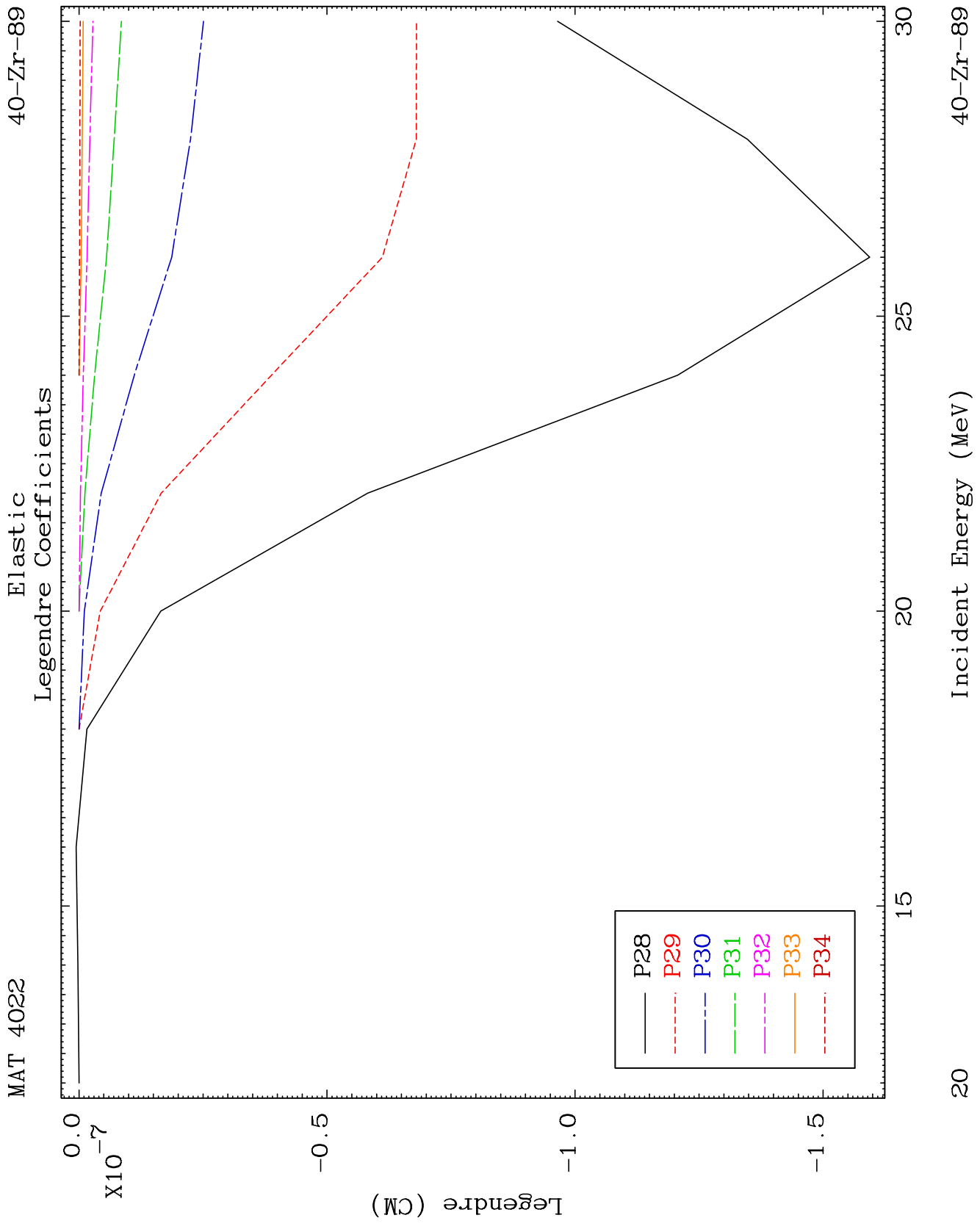
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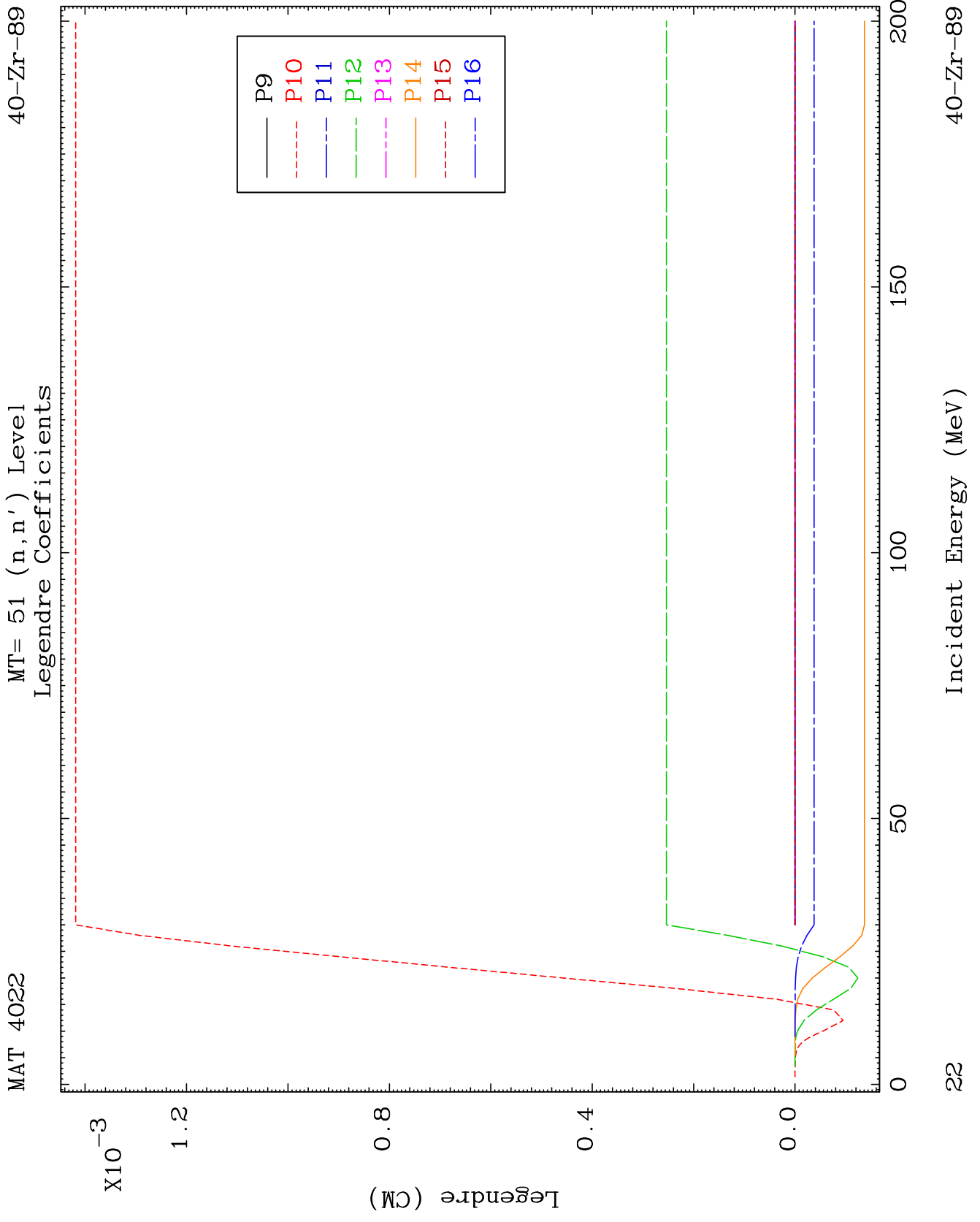
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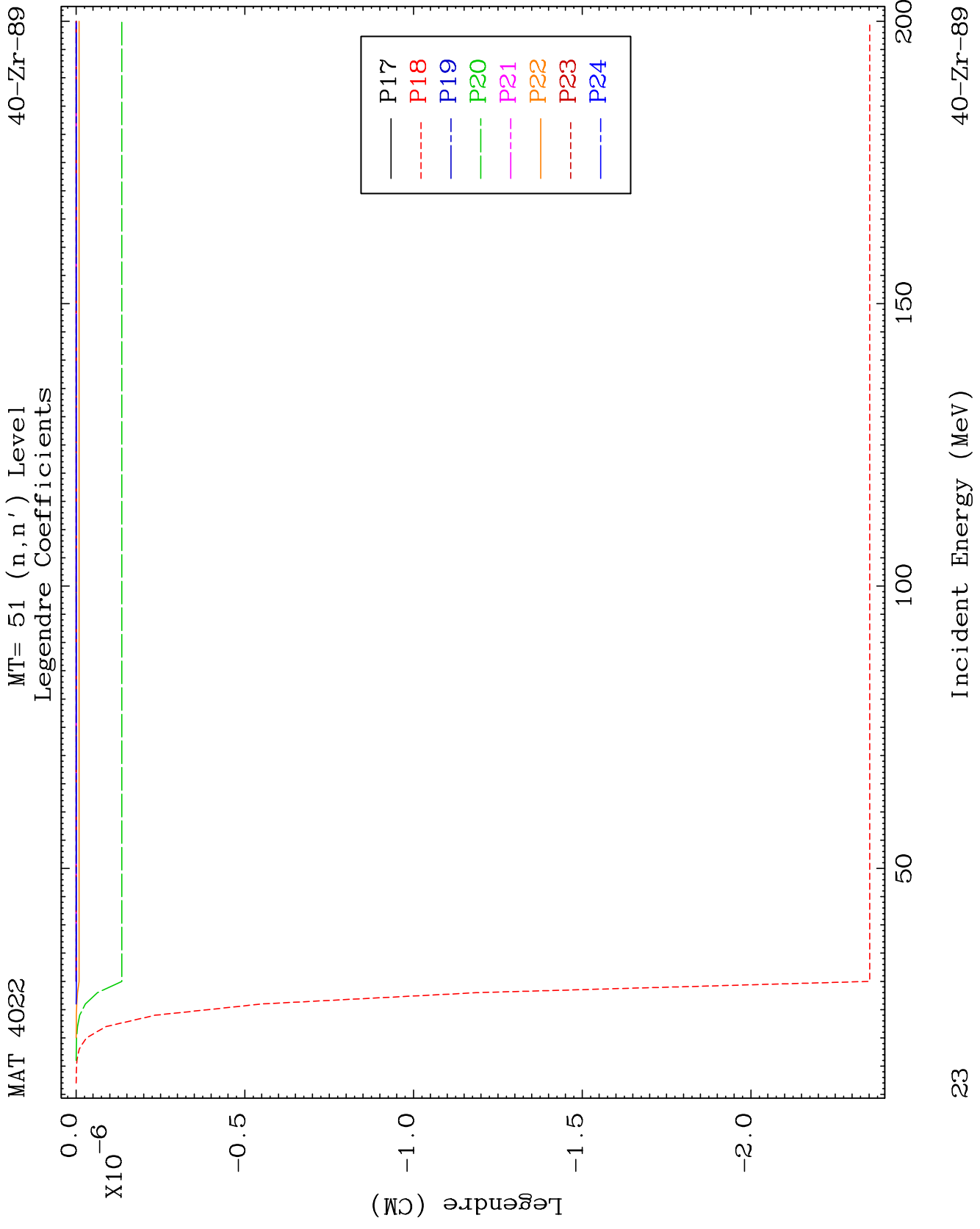
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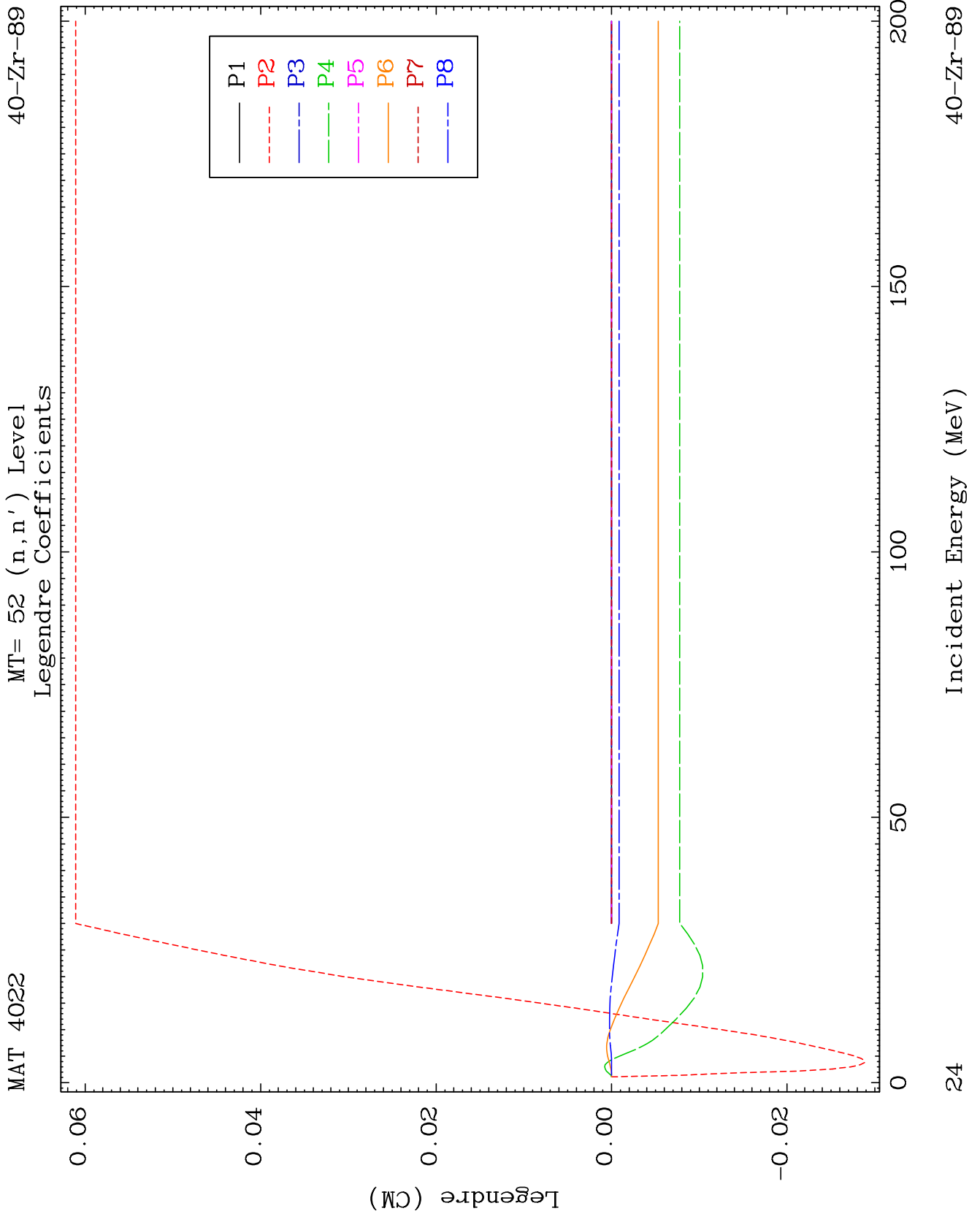
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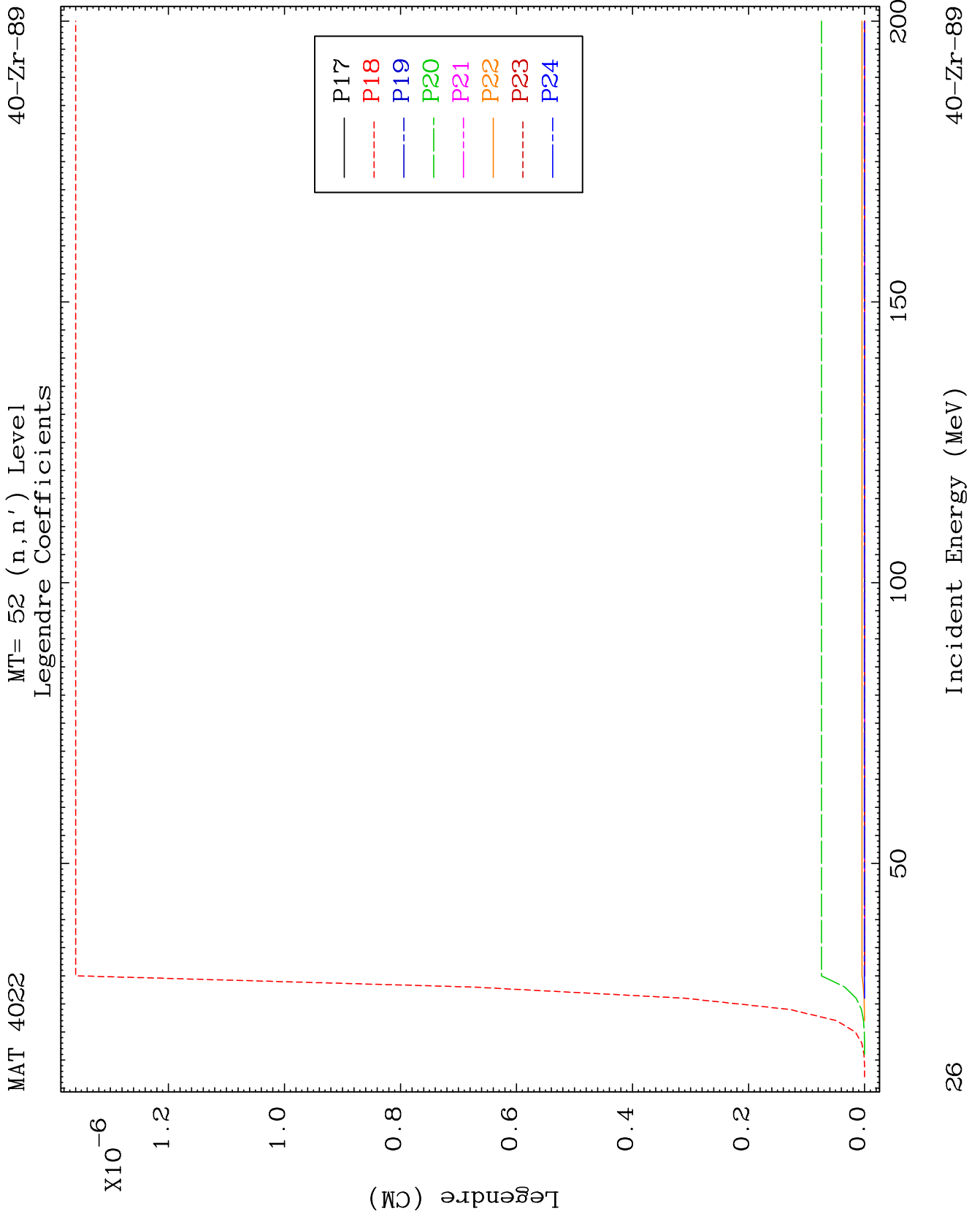


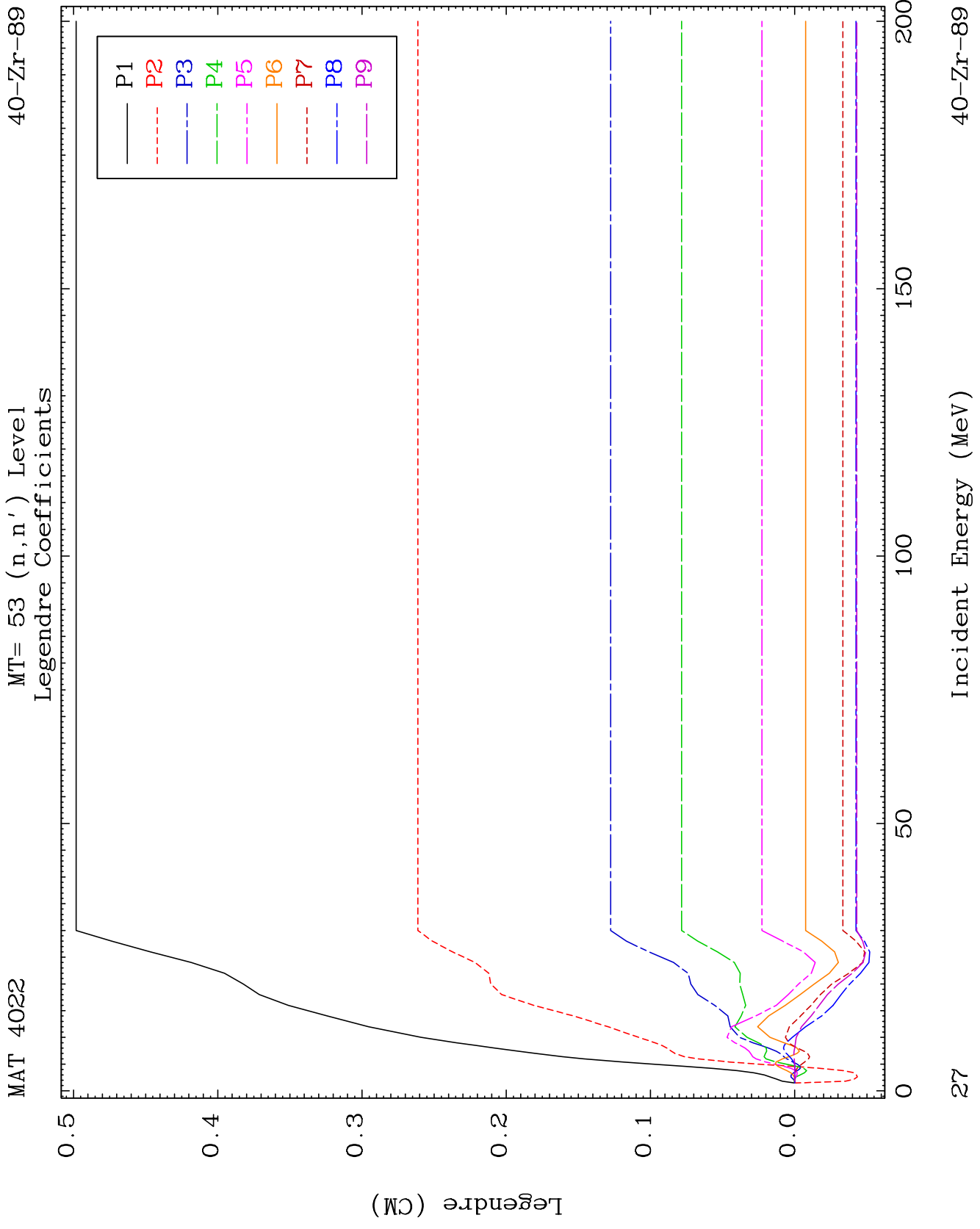








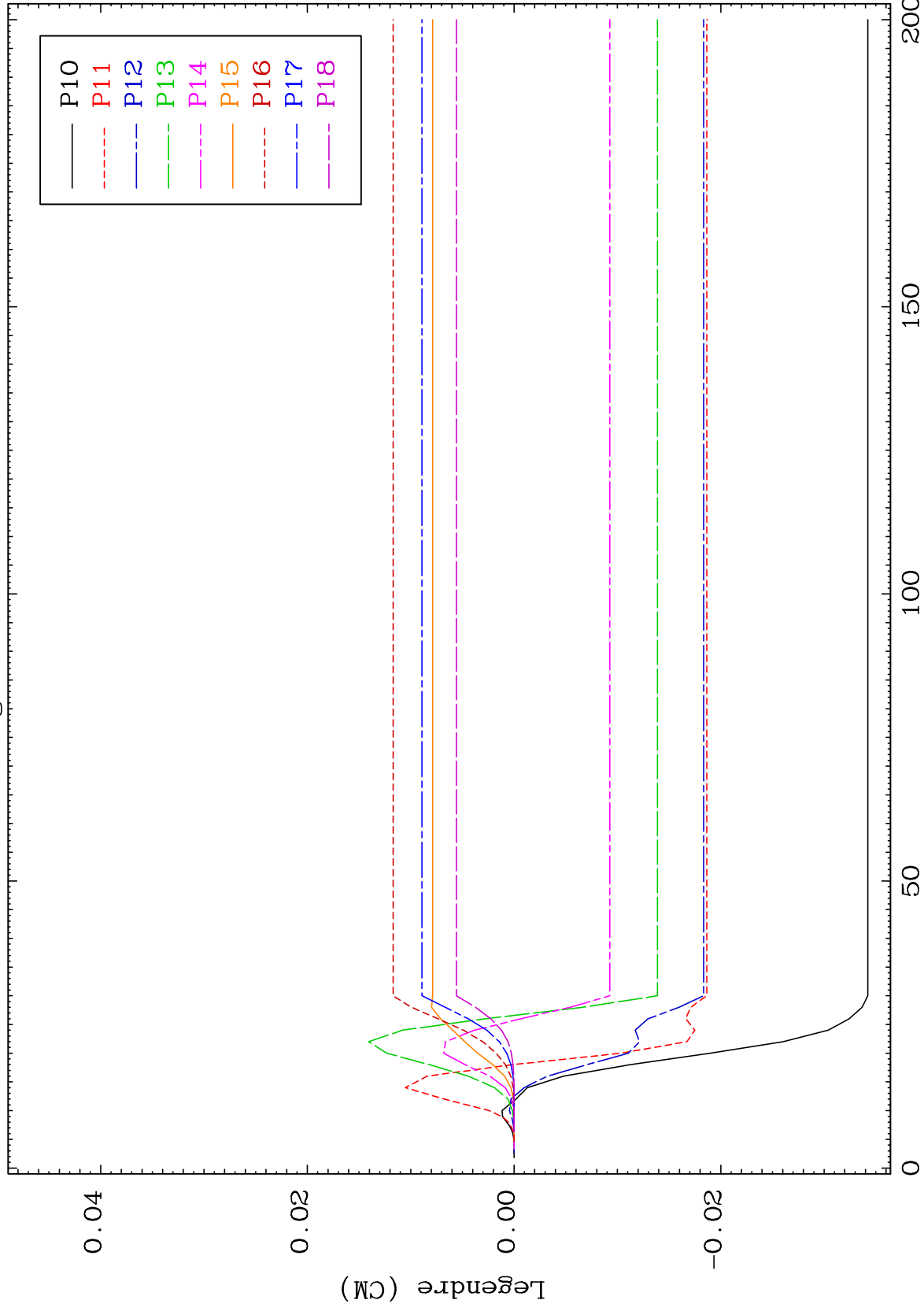




MAT 4022

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

40-Zr-89



28

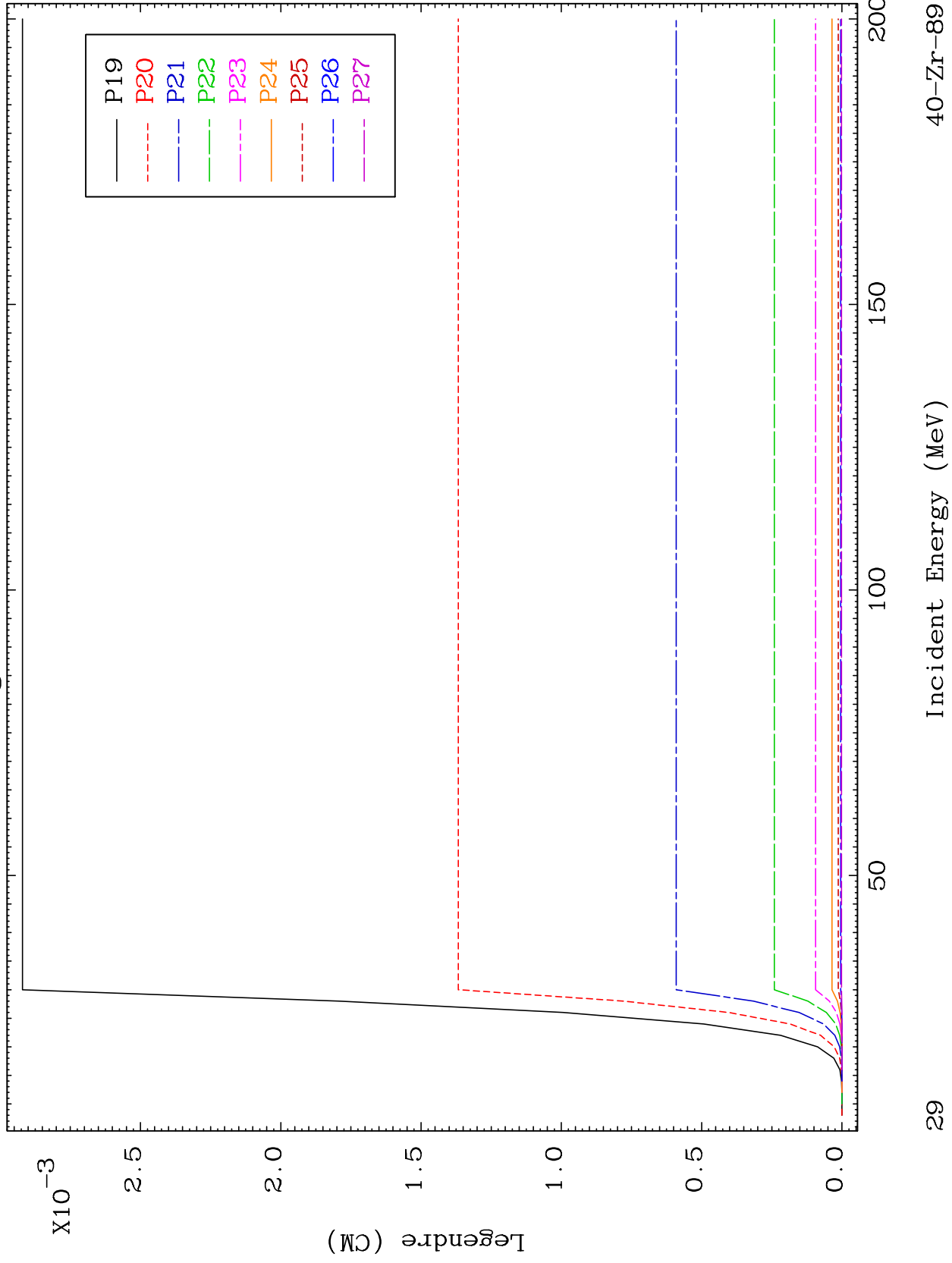
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



29

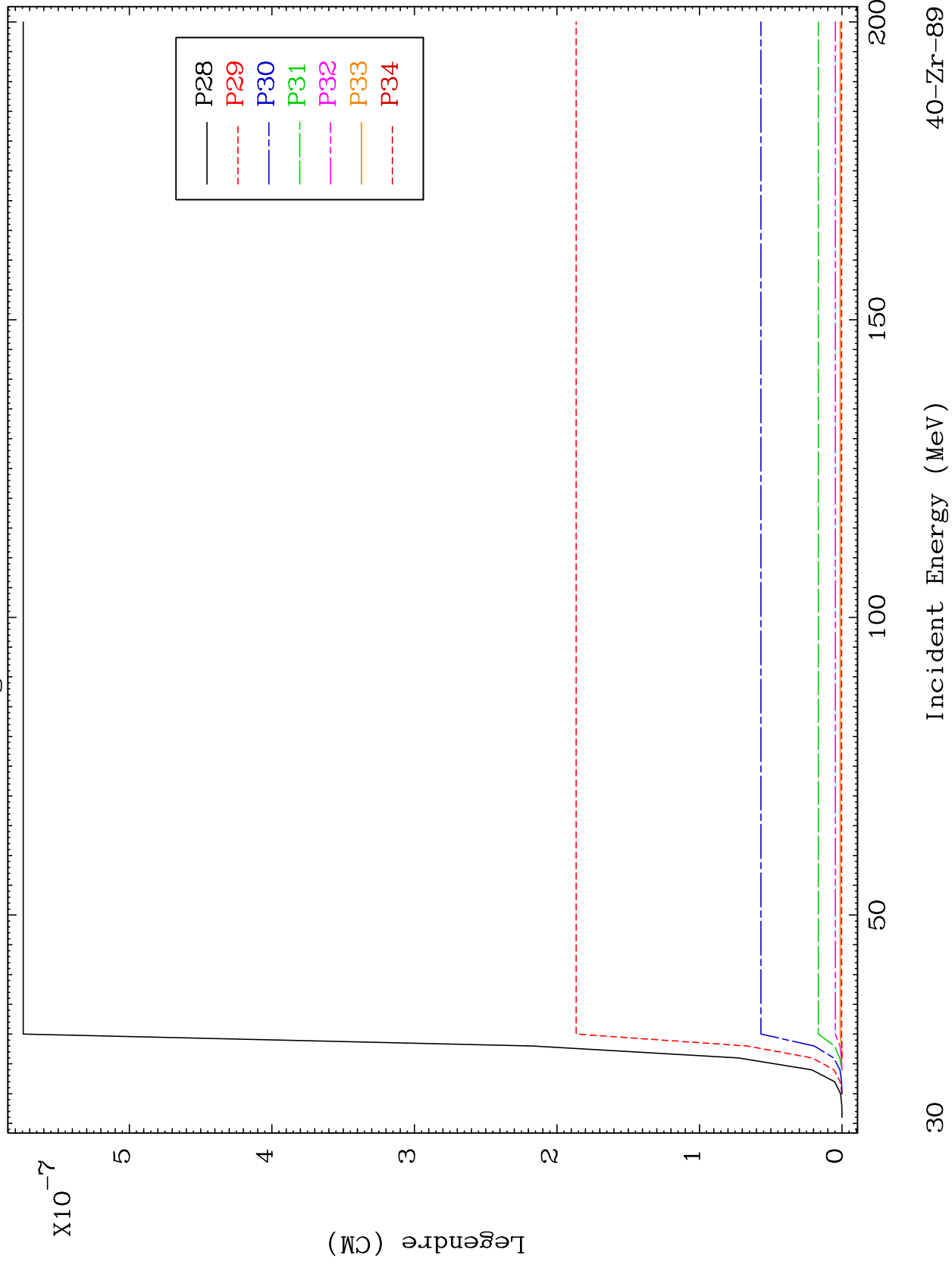
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89

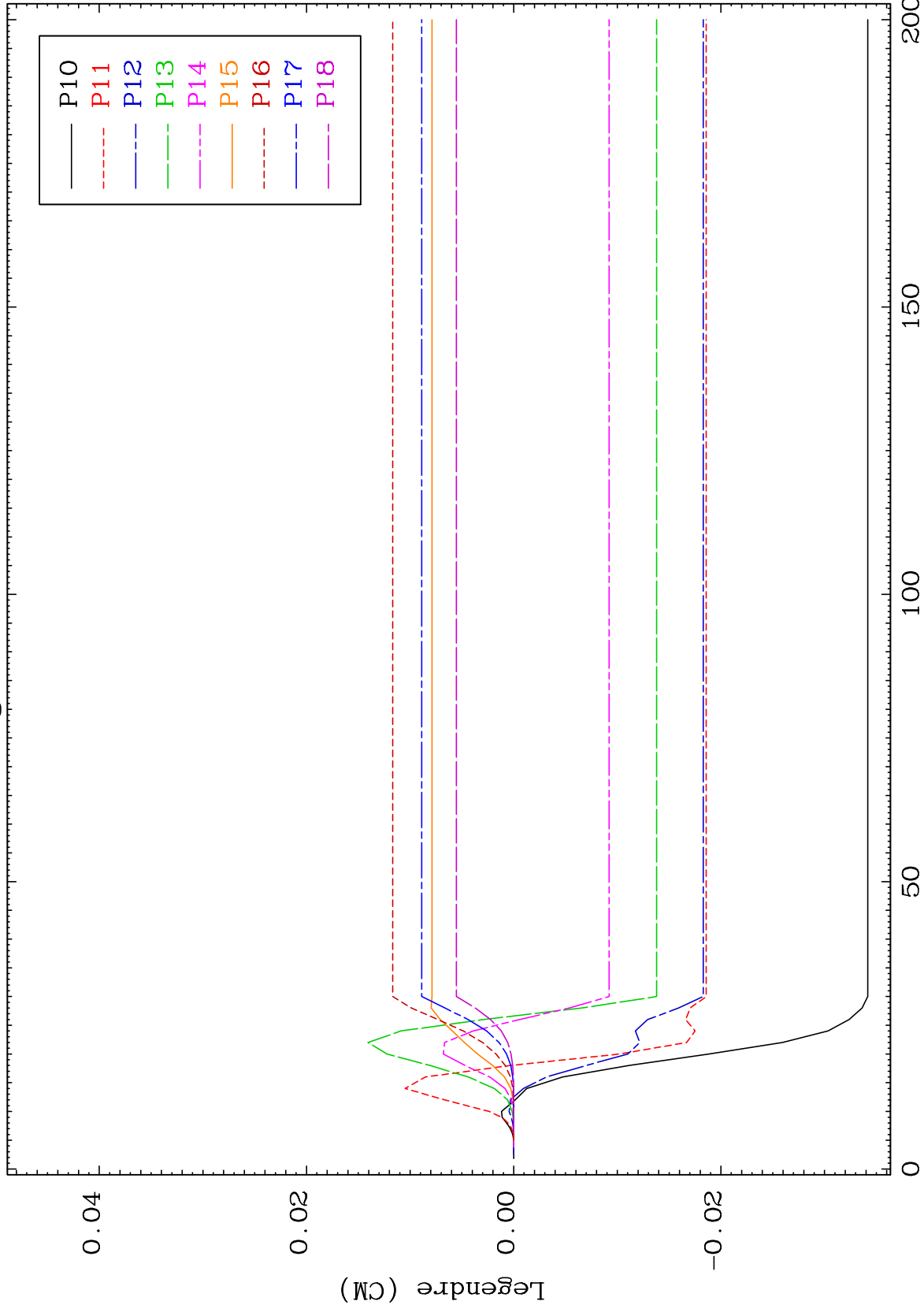




MAT 4022

MT= 54 (n,n') Level  
Legendre Coefficients

40-Zr-89



32

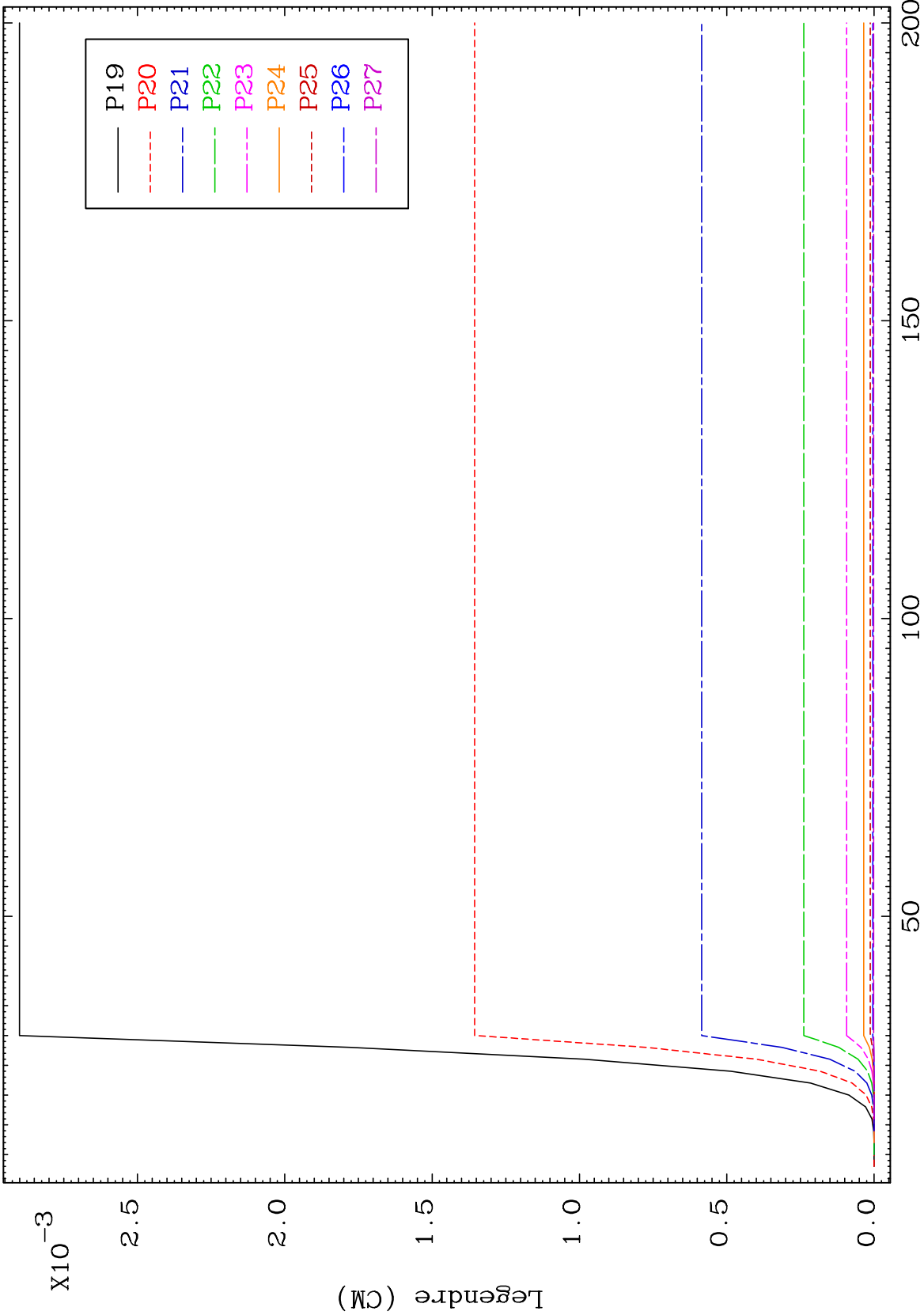
Incident Energy (MeV)

40-Zr-89

MAT 4022

MT= 54 (n,n') Level  
Legendre Coefficients

40-Zr-89



33

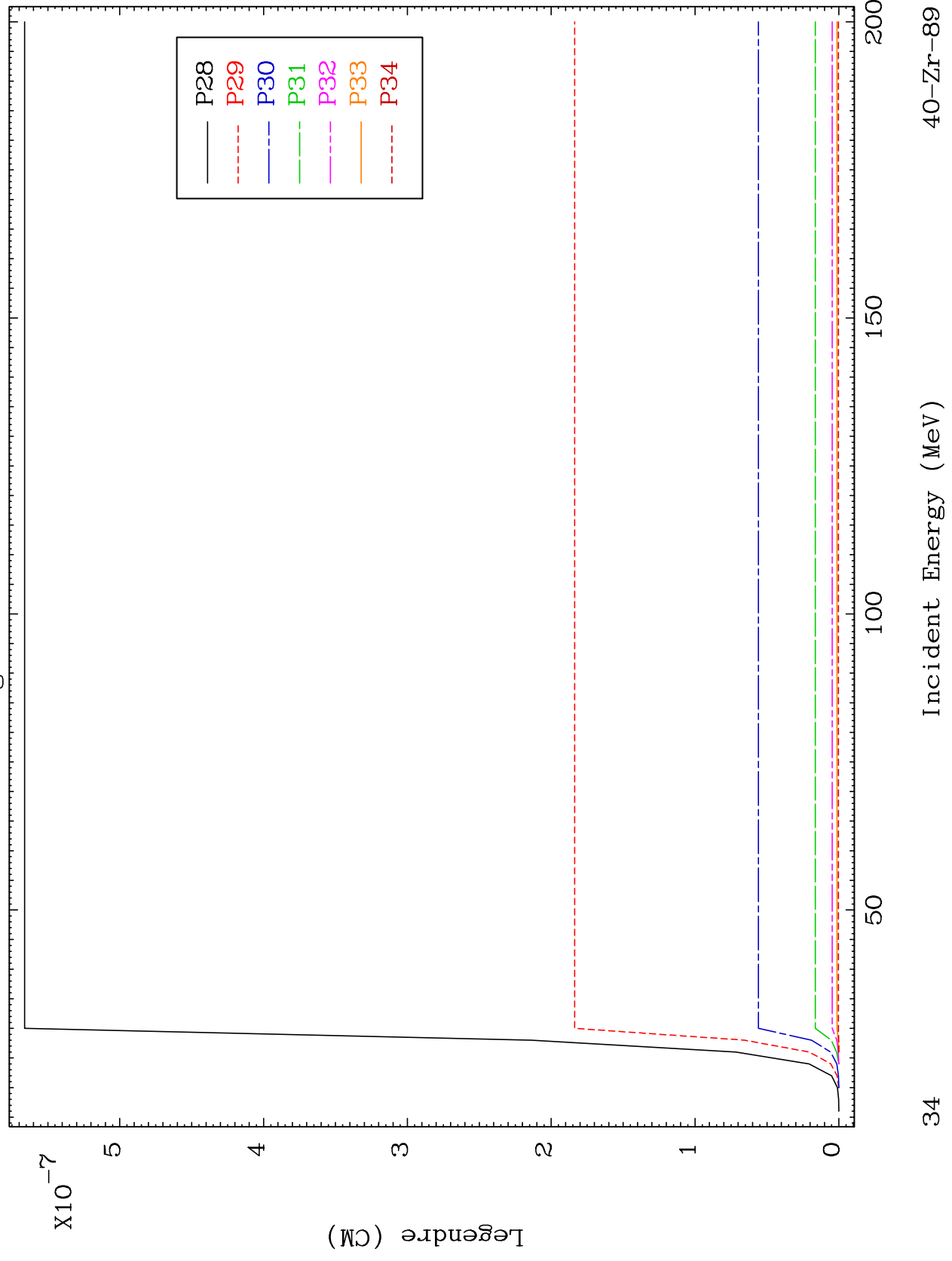
Incident Energy (MeV)

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MAT 4022

MT= 54 (n,n') Level  
Legendre Coefficients

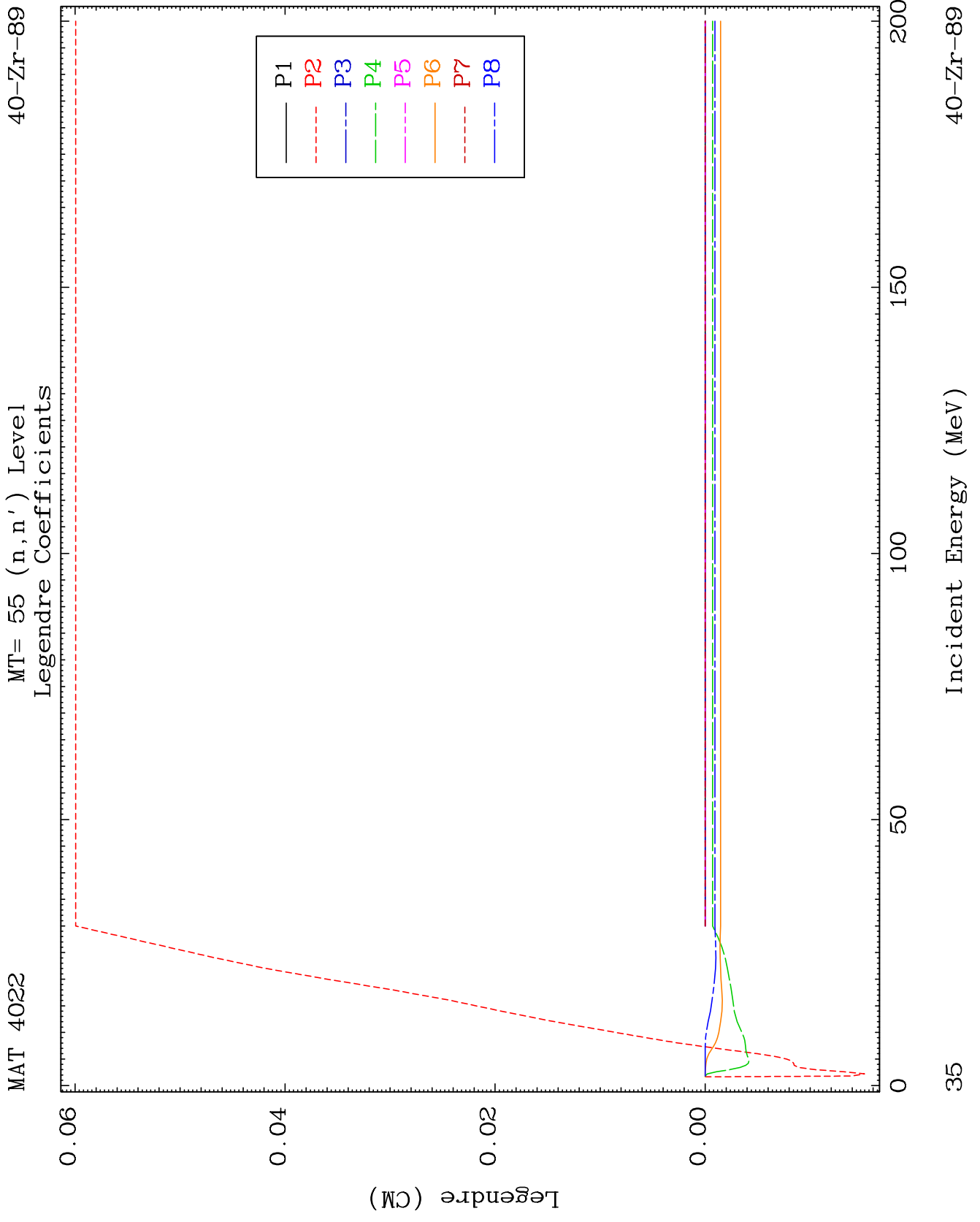
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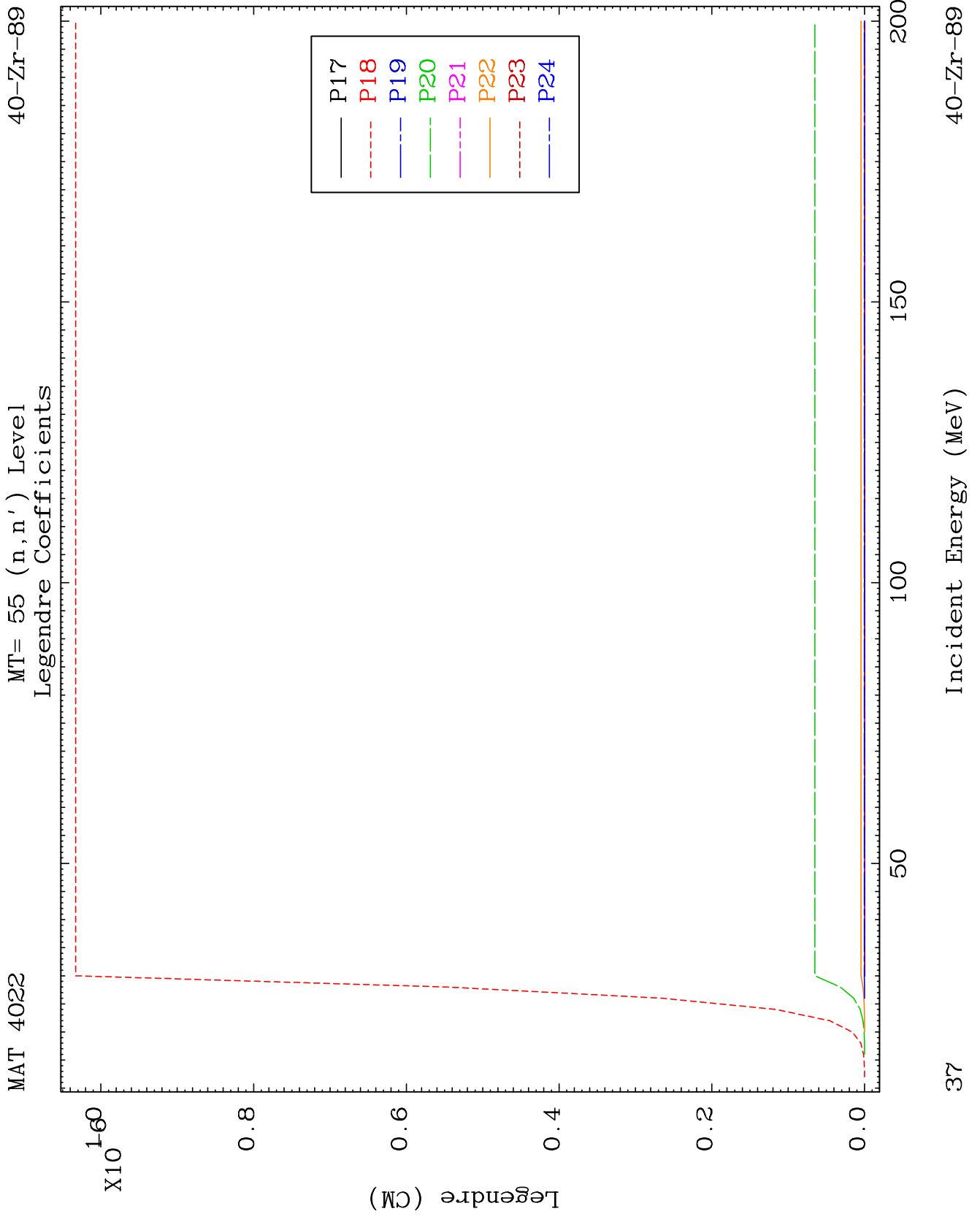
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Incident Energy (MeV)

40-Zr-89



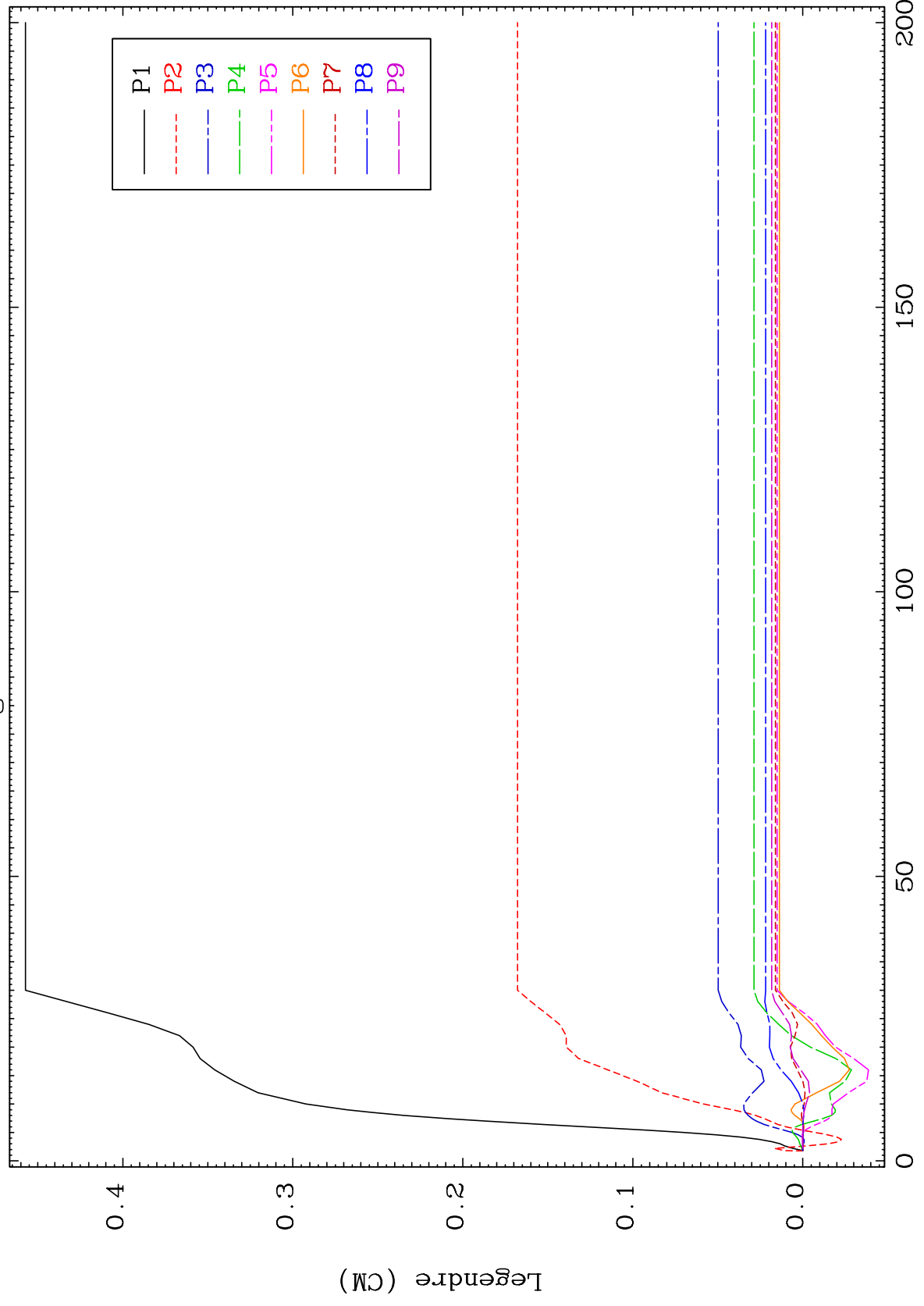




MAT 4022

MT= 56 (n,n') Level  
Legendre Coefficients

40-Zr-89



38

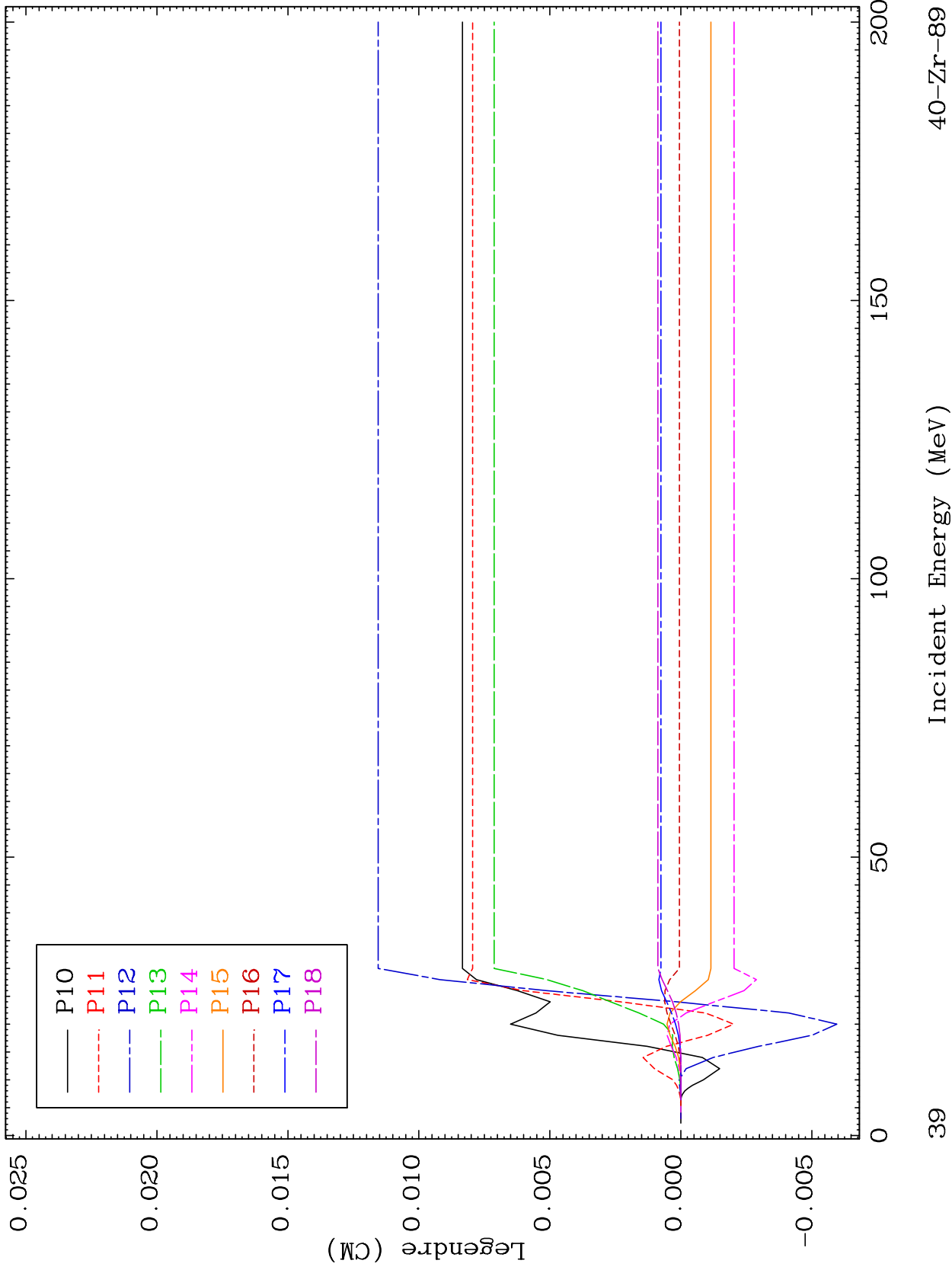
Incident Energy (MeV)

40-Zr-89

MAT 4022

MT= 56 (n,n') Level  
Legendre Coefficients

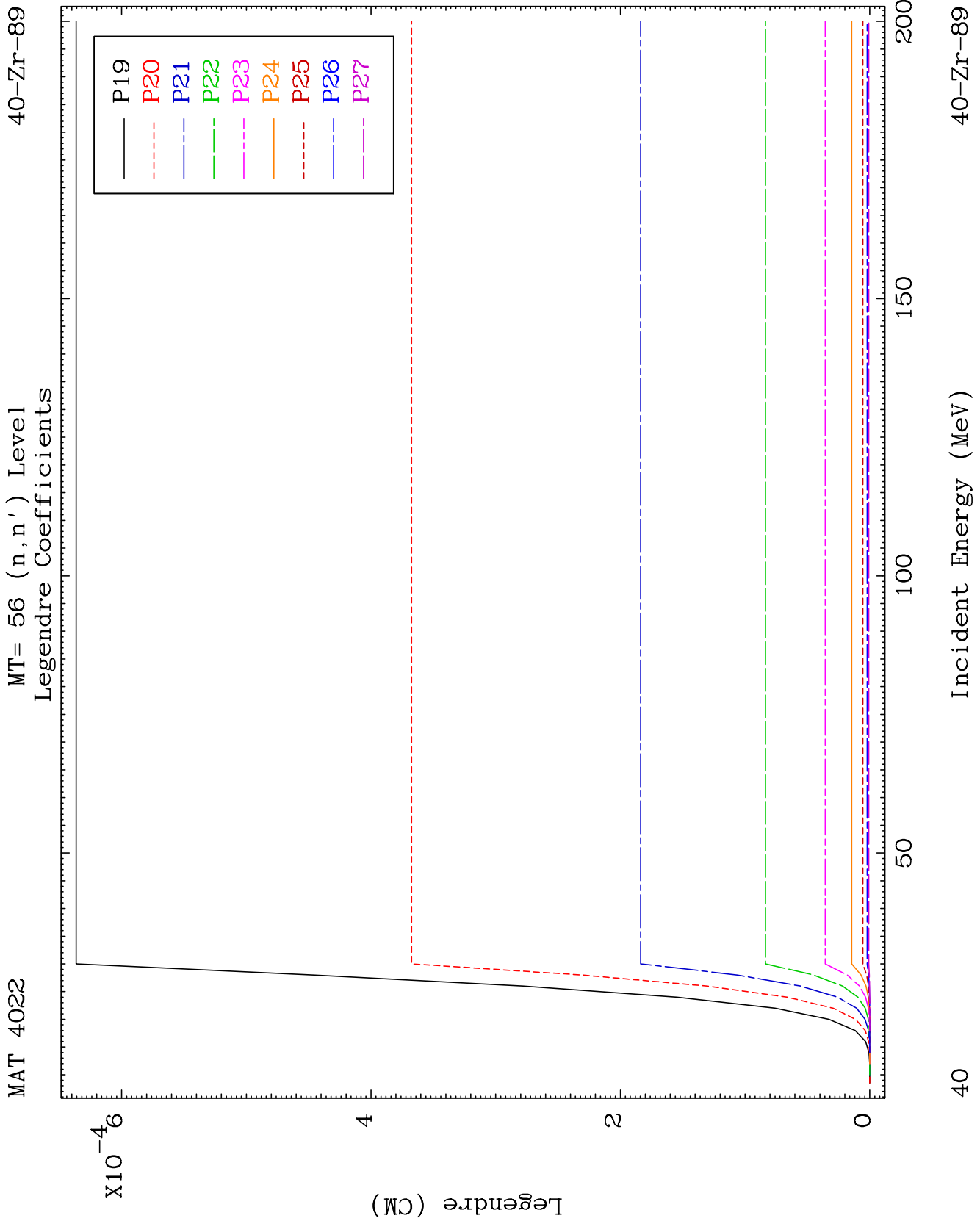
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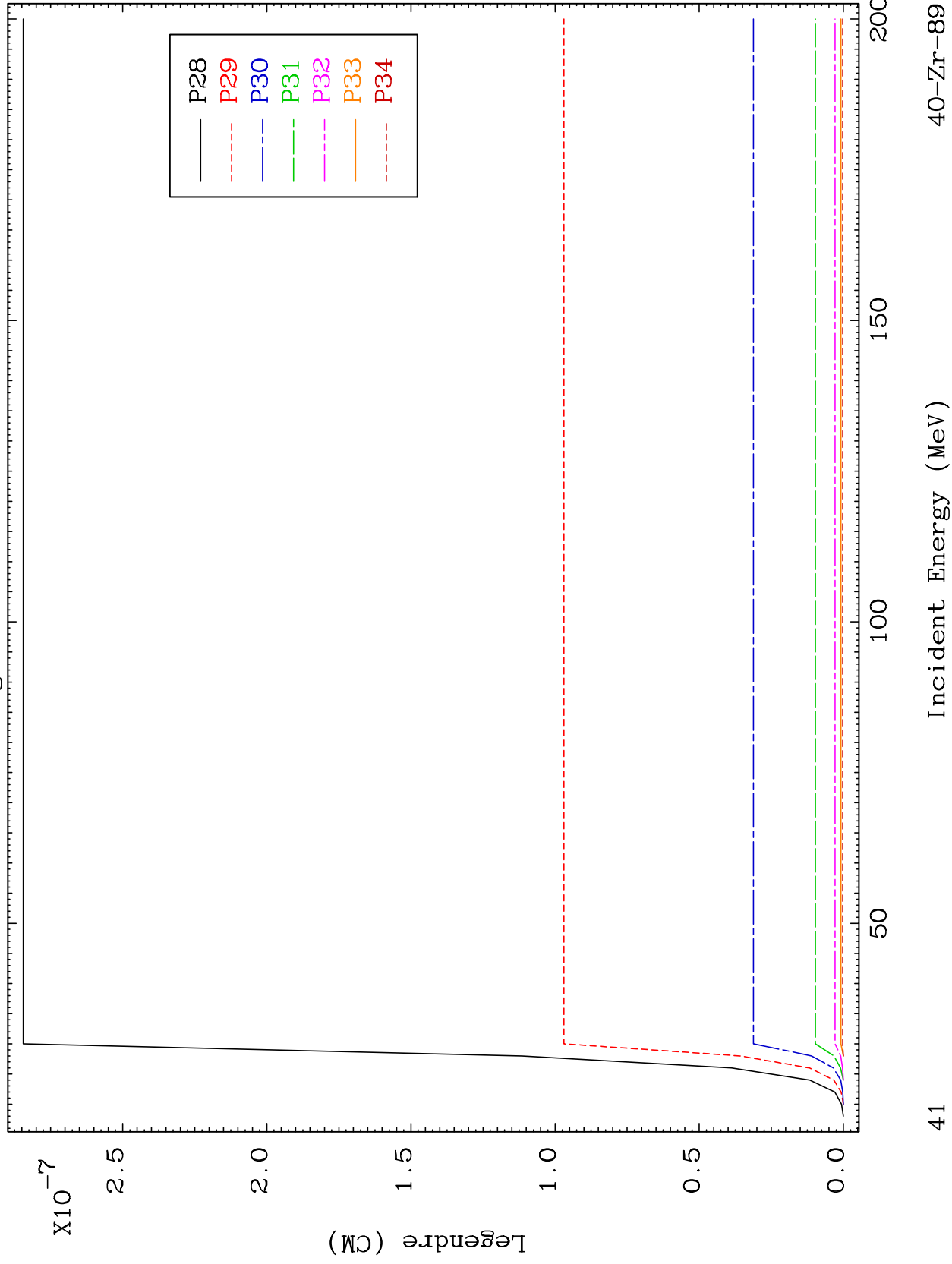
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MAT 4022

MT= 56 (n,n') Level  
Legendre Coefficients

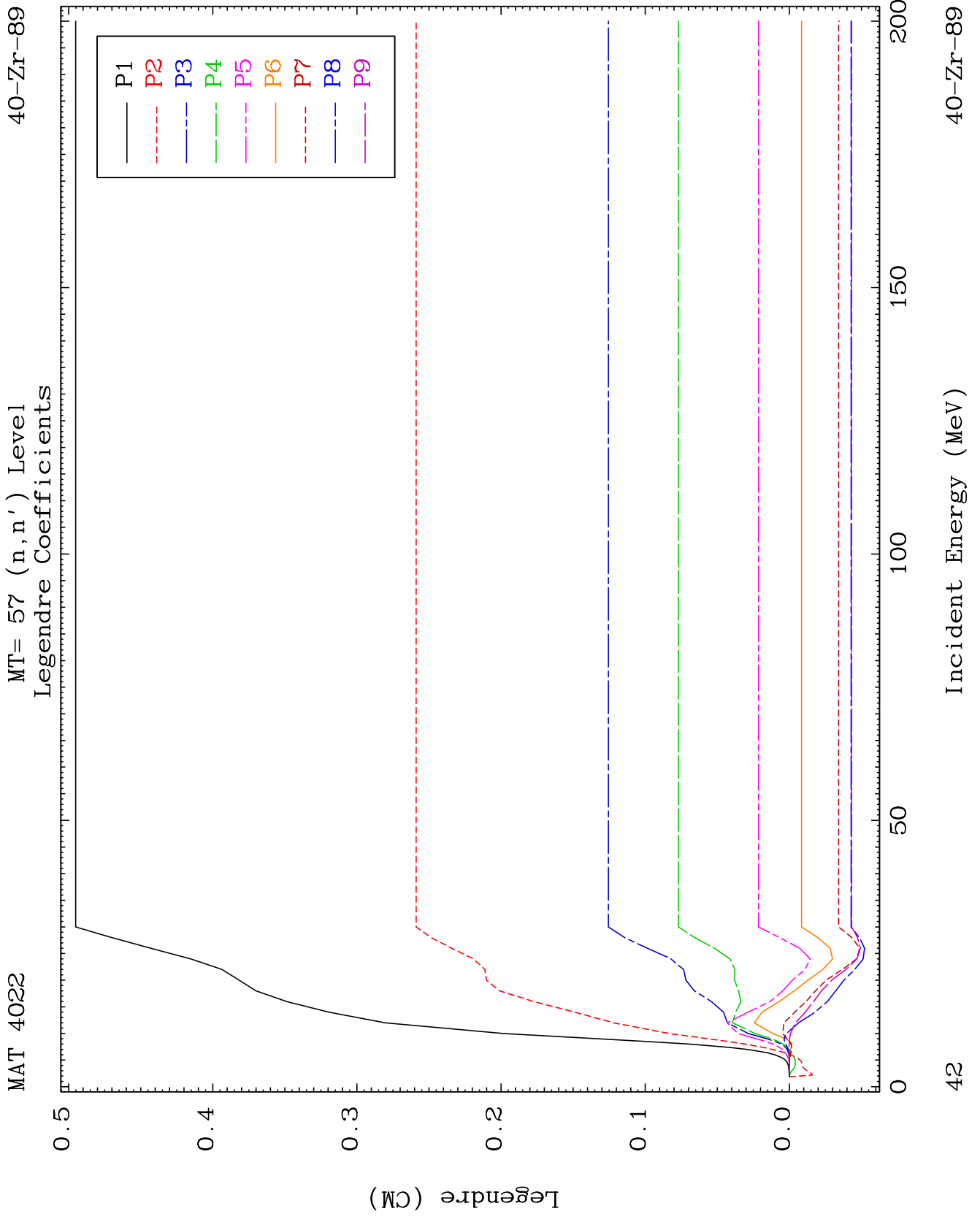
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Incident Energy (MeV)

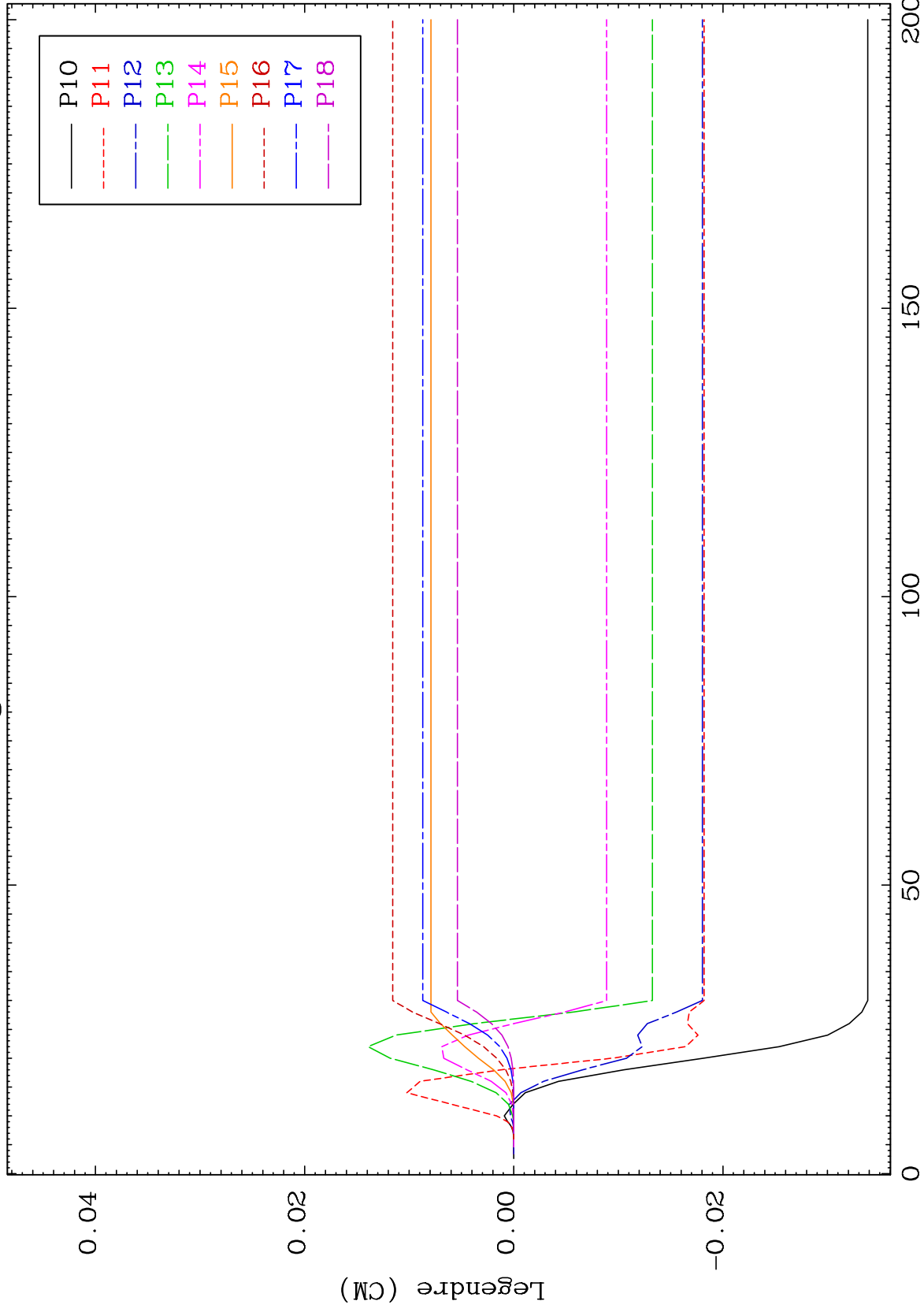
40-Zr-89



MAT 4022

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

40-Zr-89



43

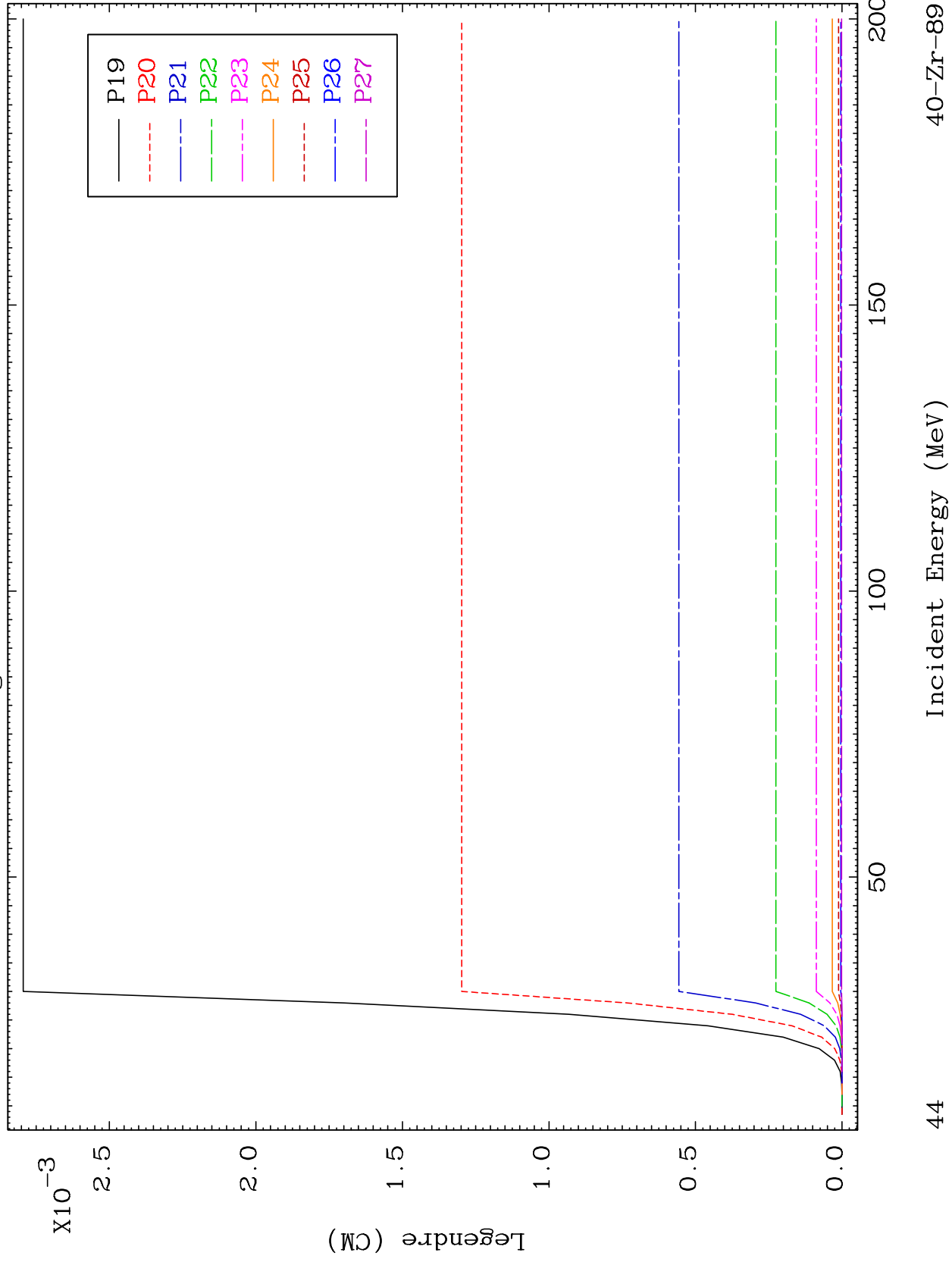
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



44

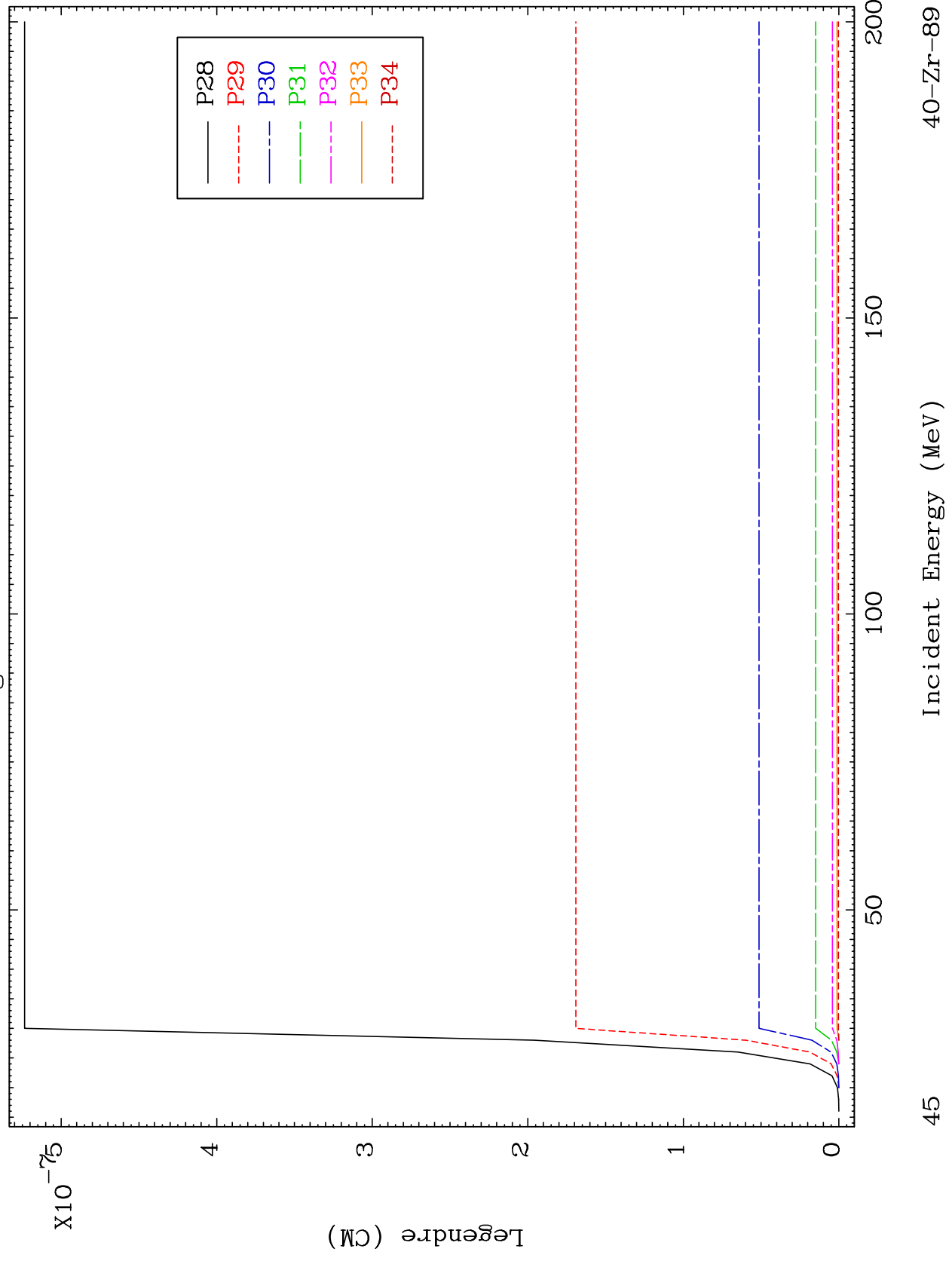
Incident Energy (MeV)

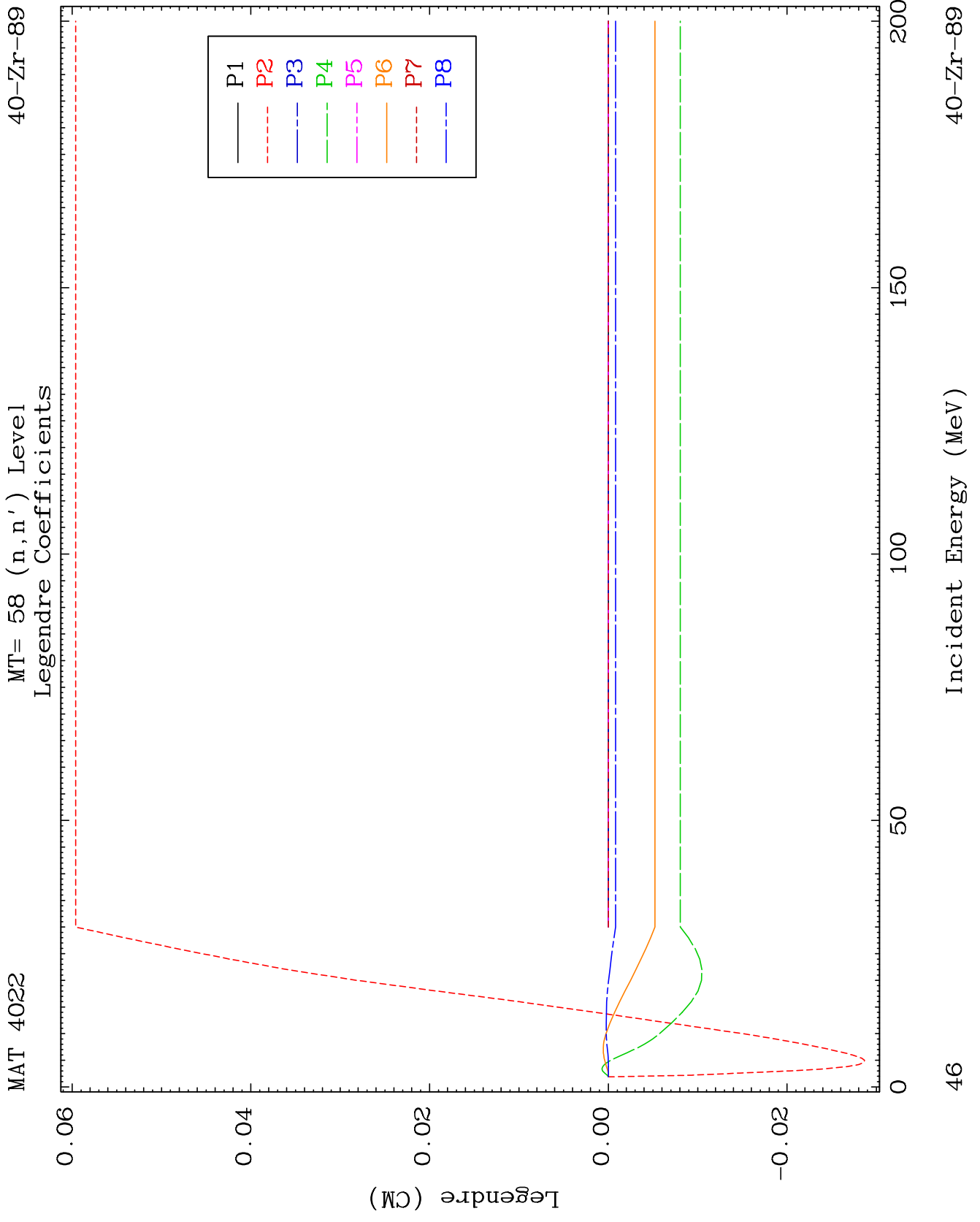
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MAT 4022

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

40-Zr-89

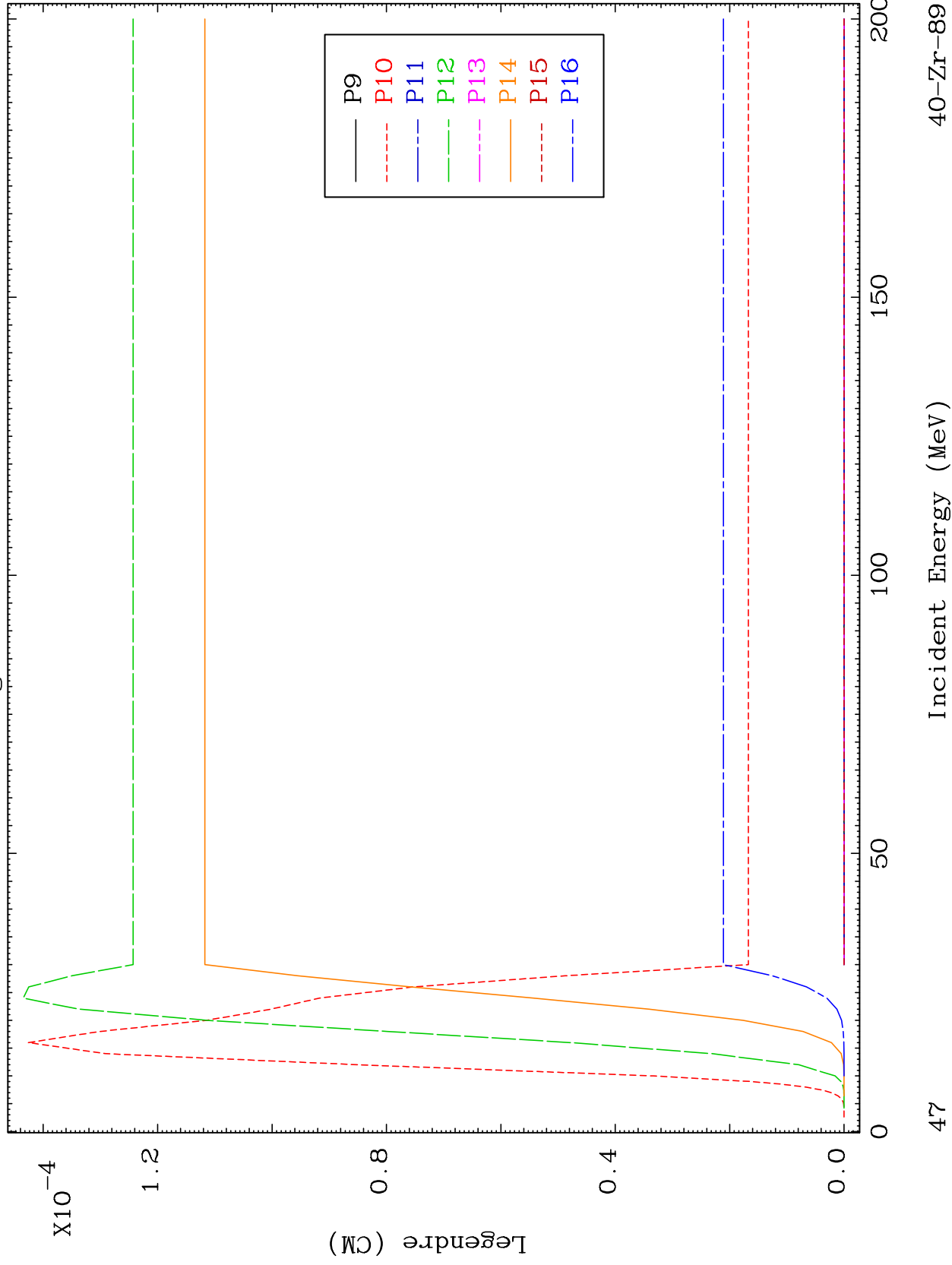




MAT 4022

MT= 58 (n,n') Level  
Legendre Coefficients

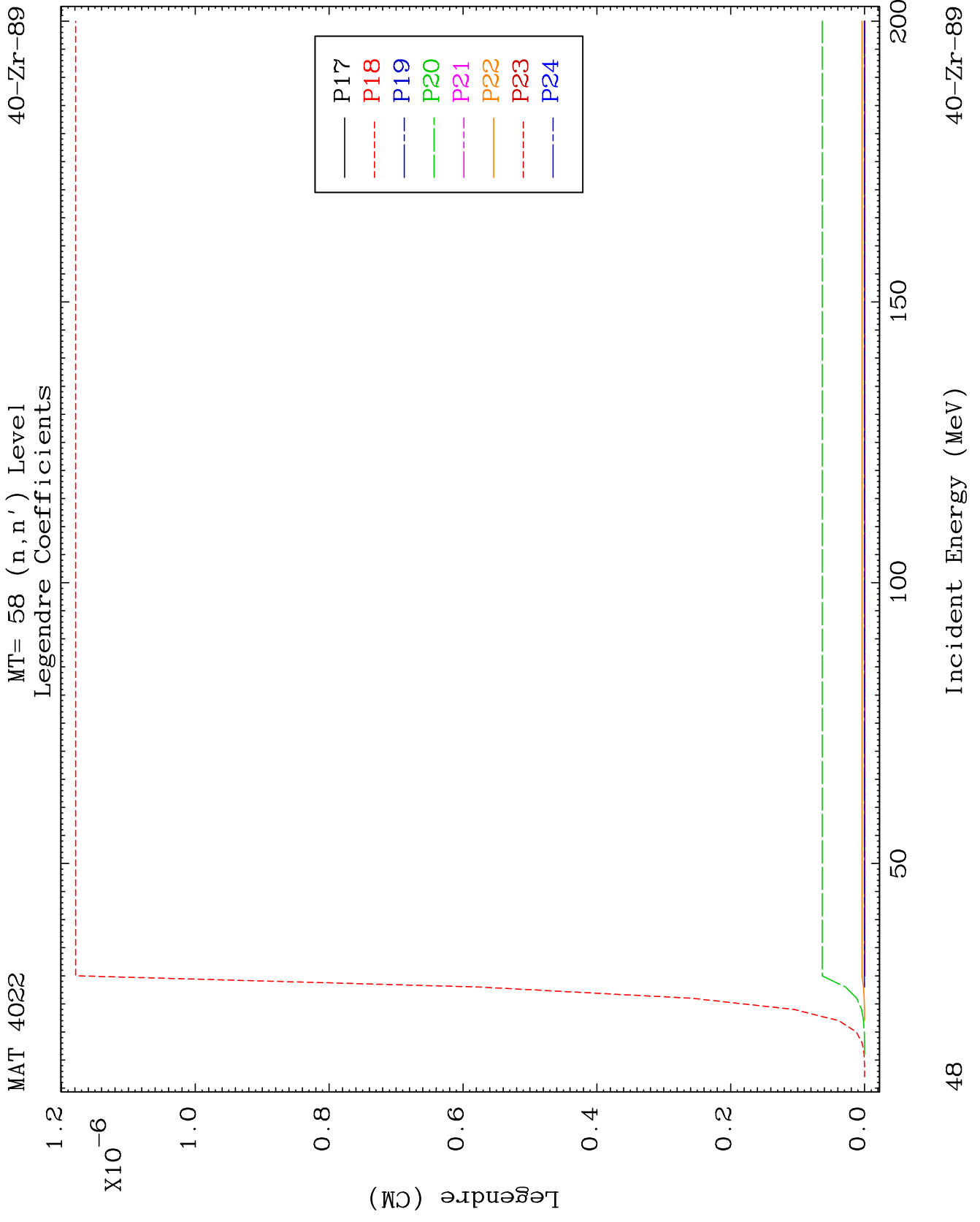
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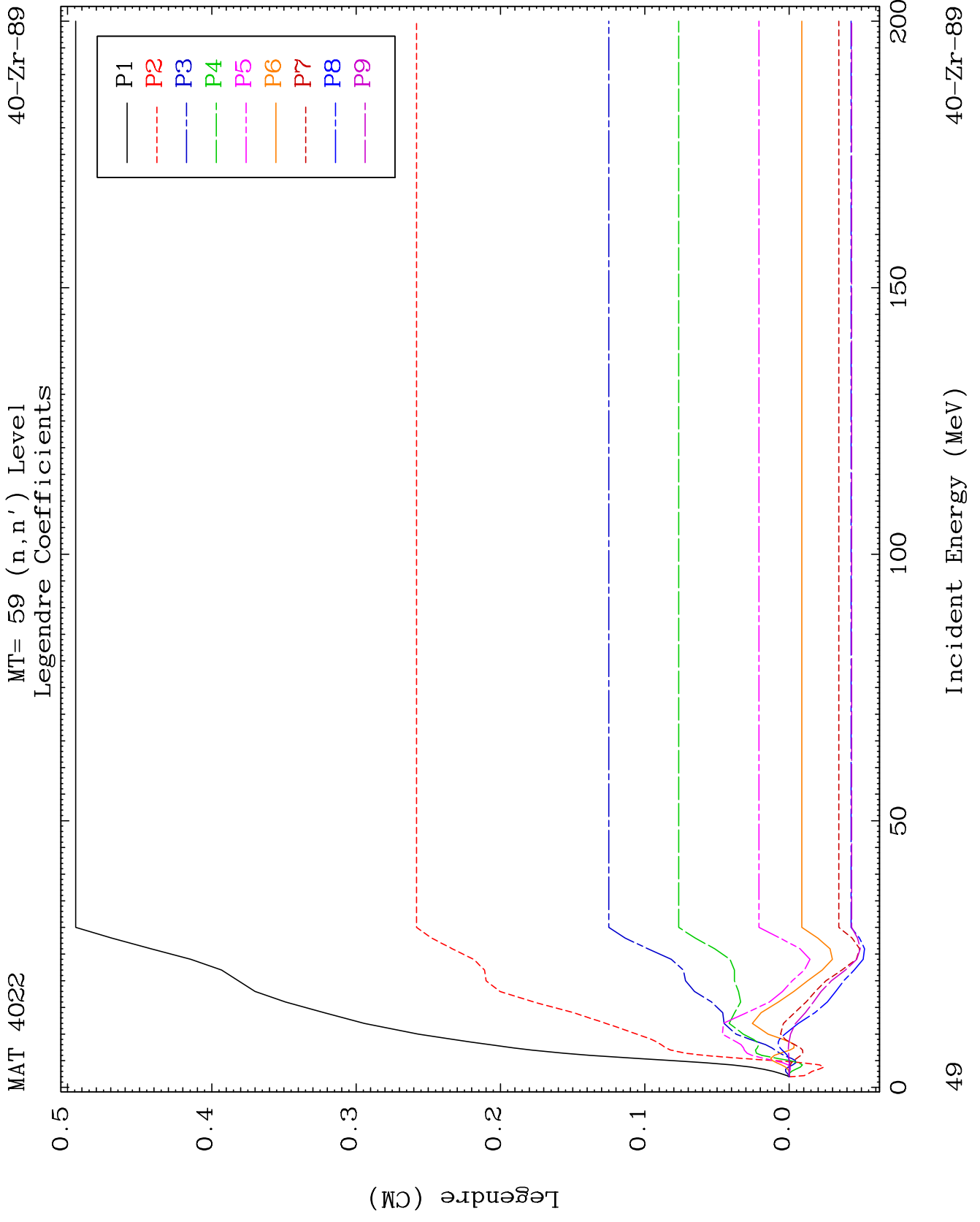


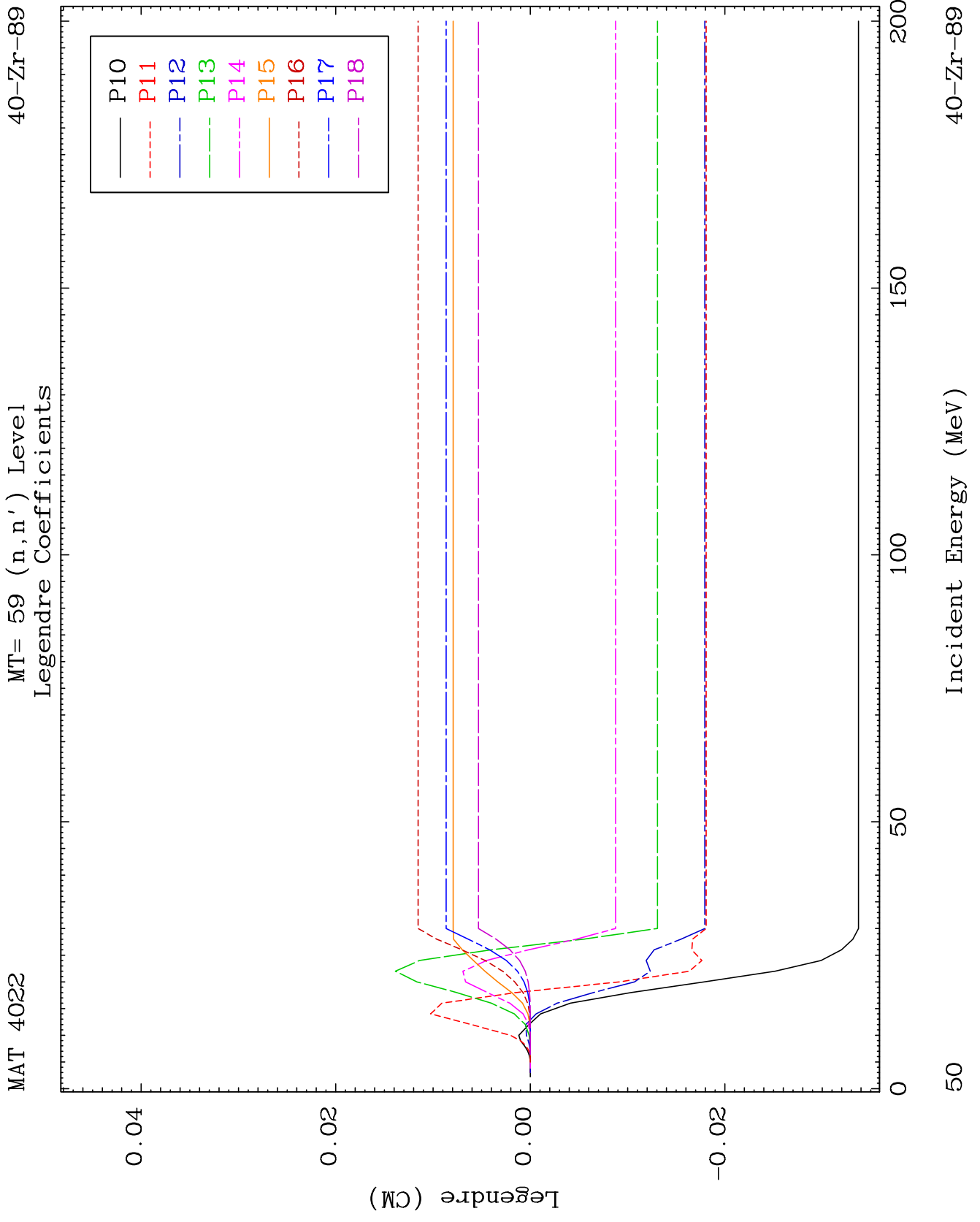
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Incident Energy (MeV)

40-Zr-89



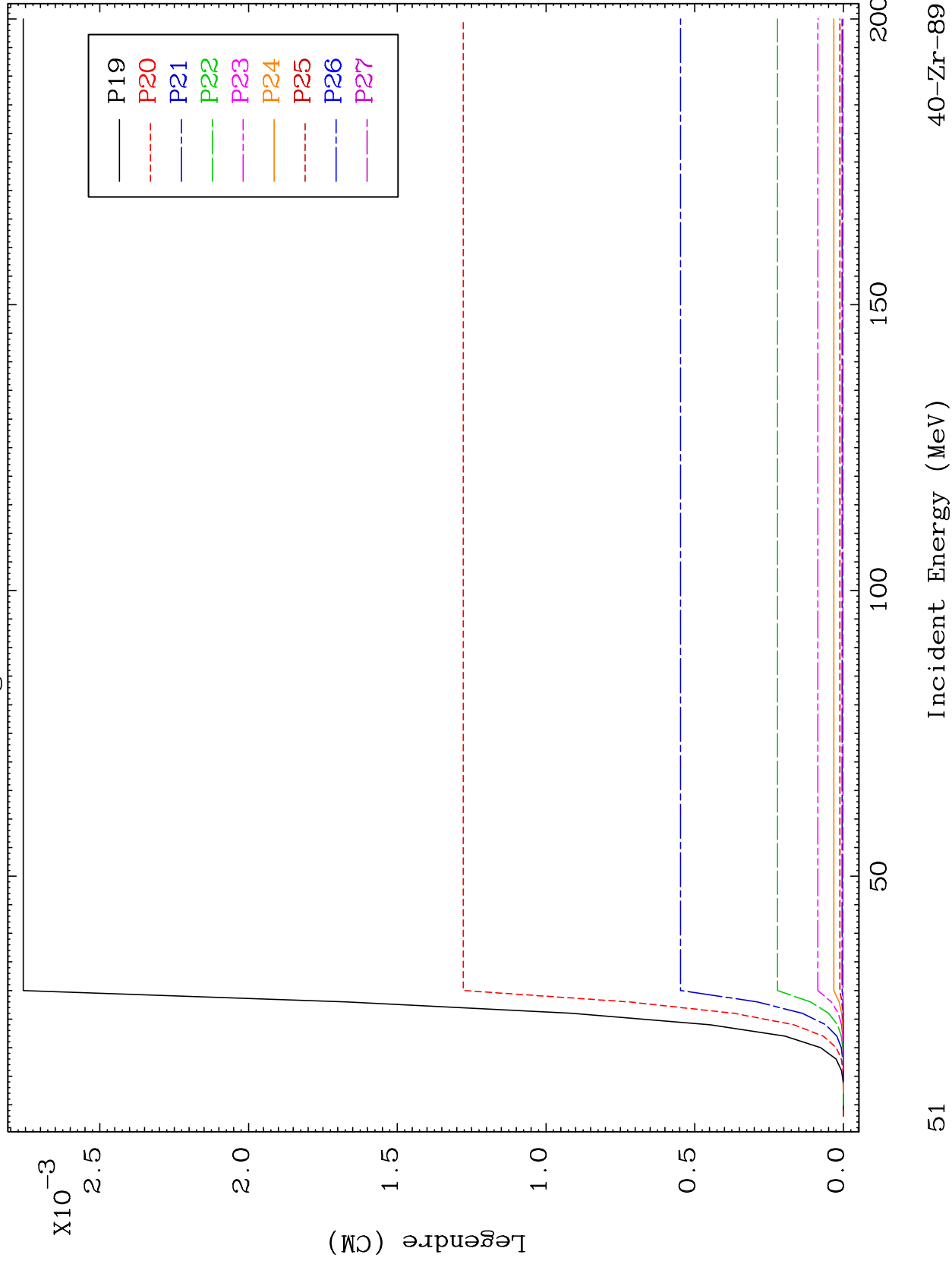




MAT 4022

MT= 59 (n,n') Level  
Legendre Coefficients

40-Zr-89



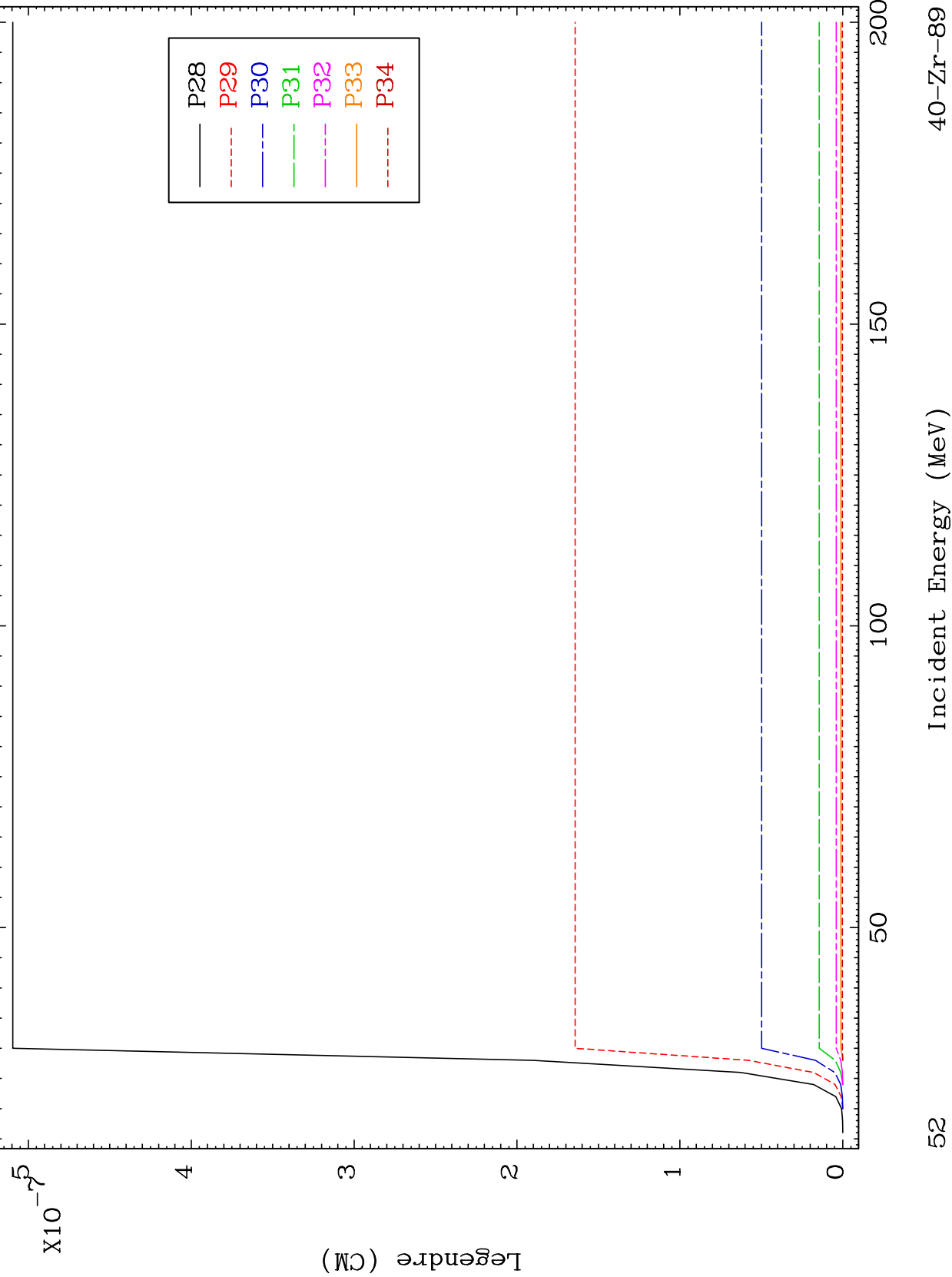
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40-Zr-89

MAT 4022

MT= 59 (n,n') Level  
Legendre Coefficients

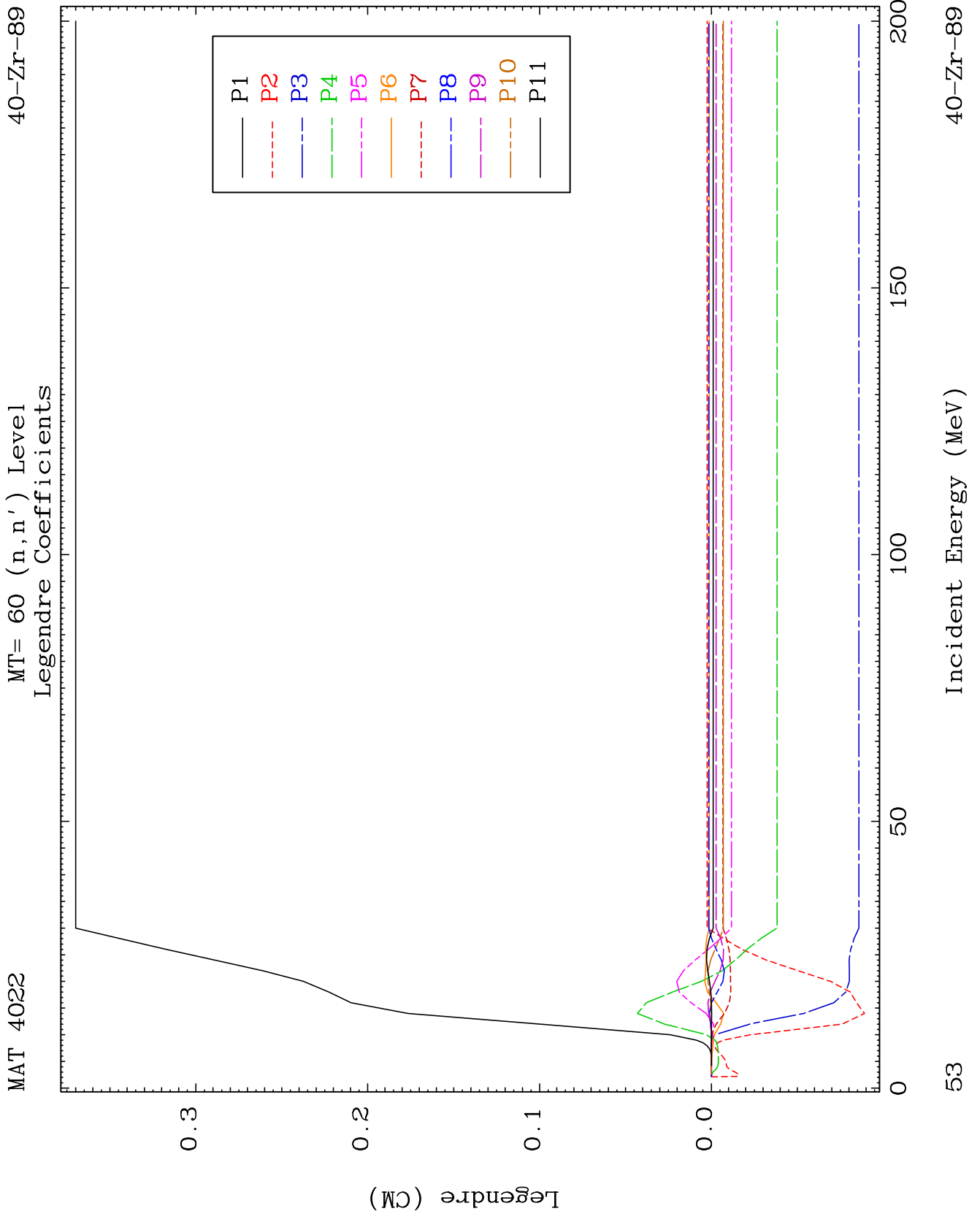
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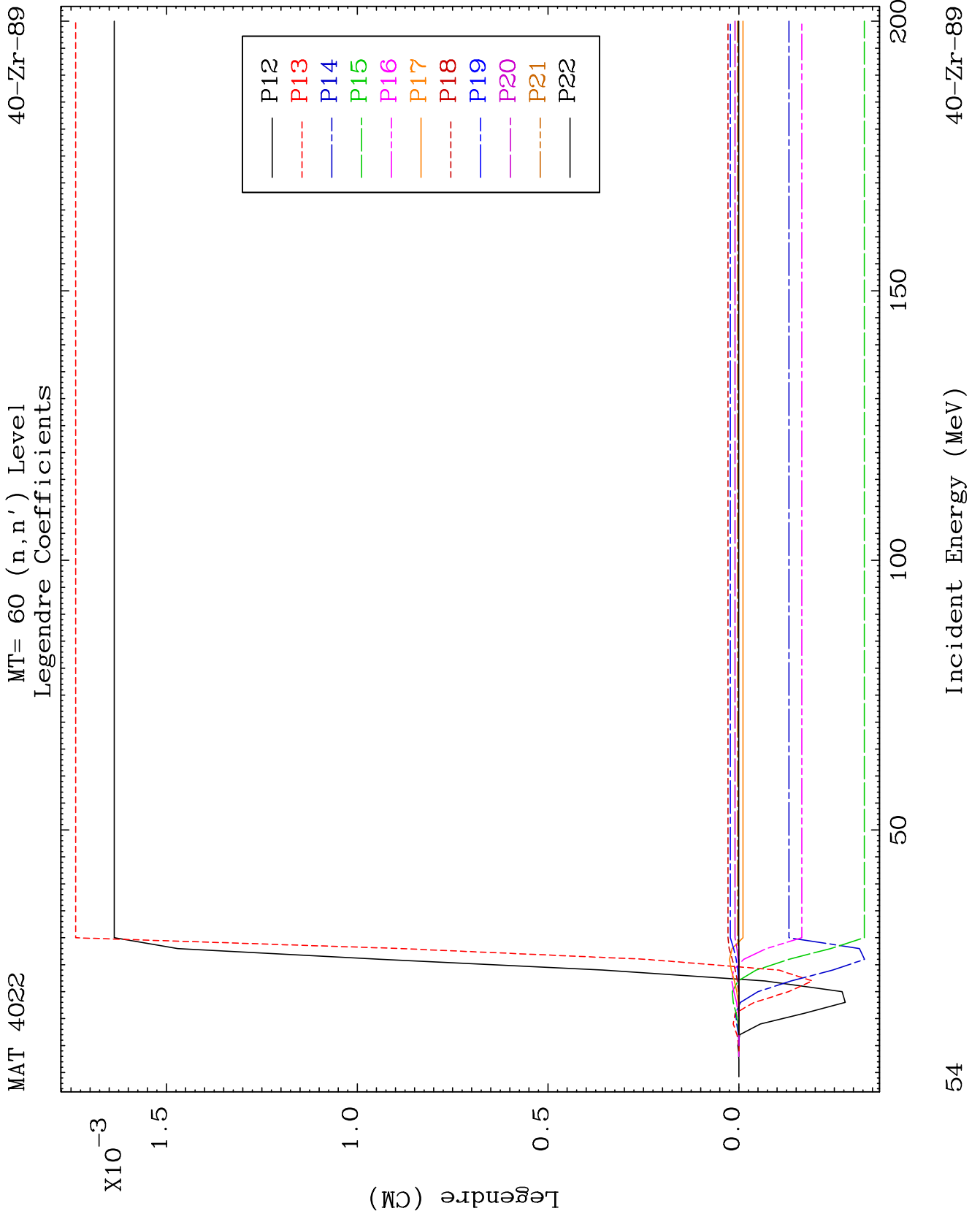


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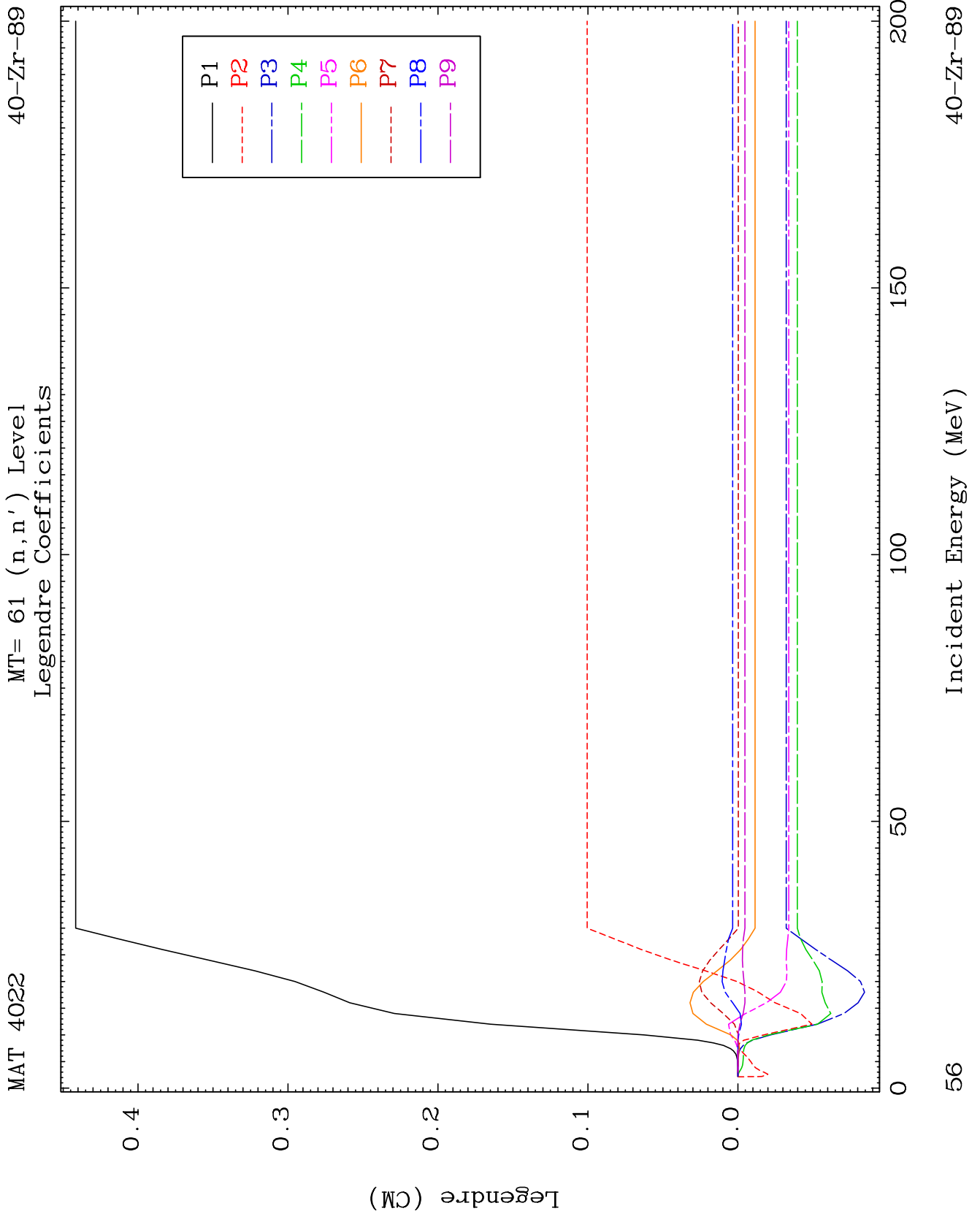
Incident Energy (MeV)

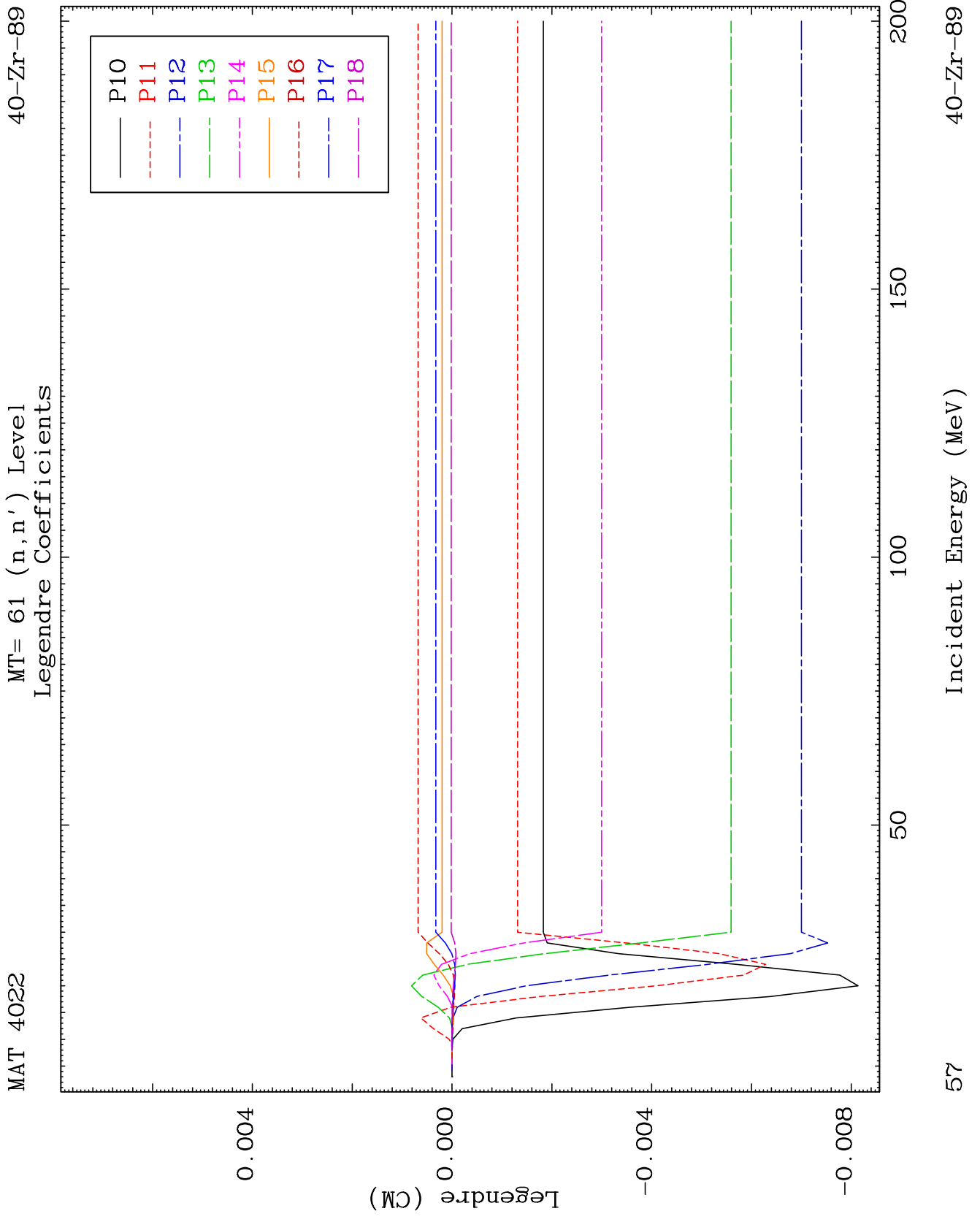
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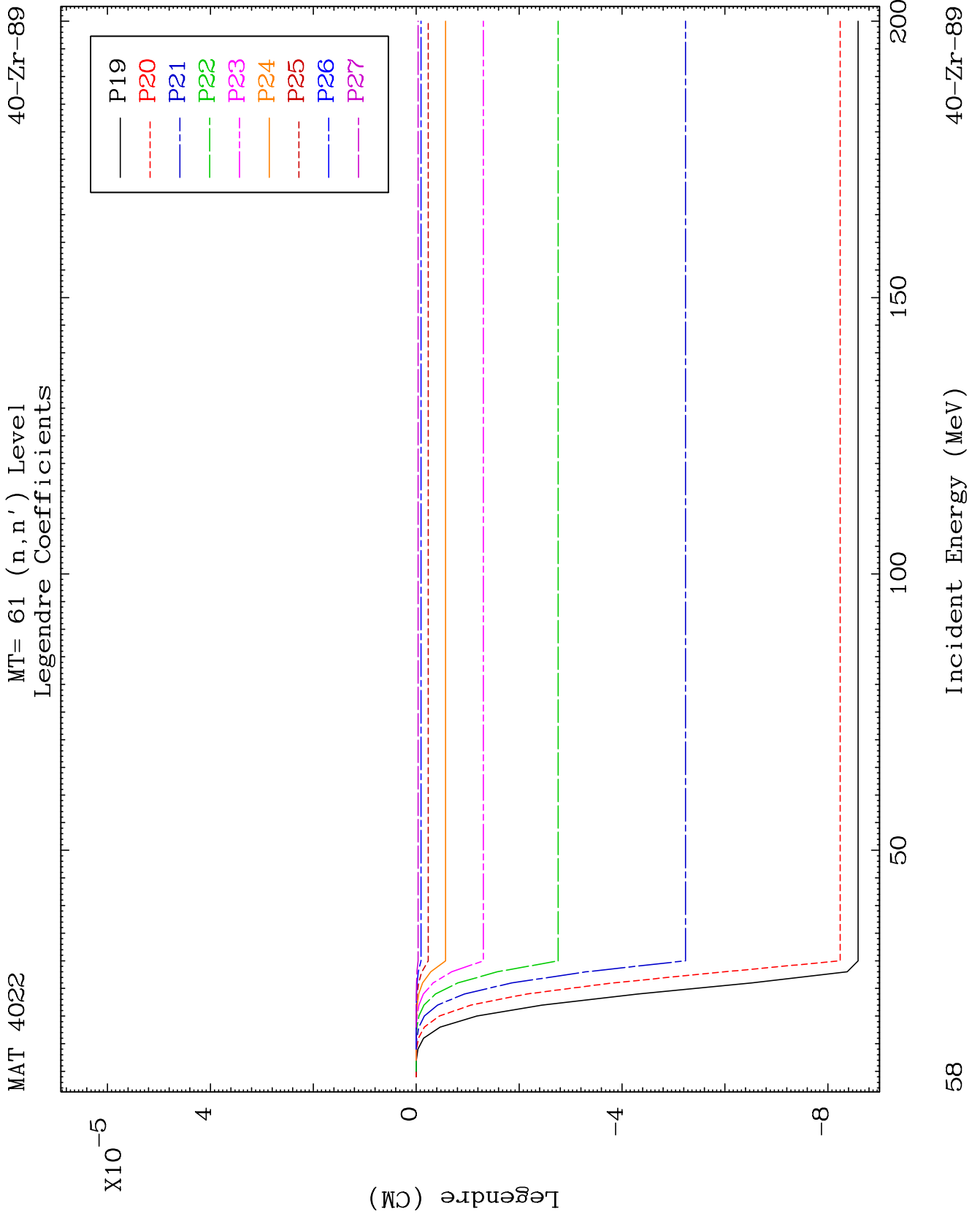


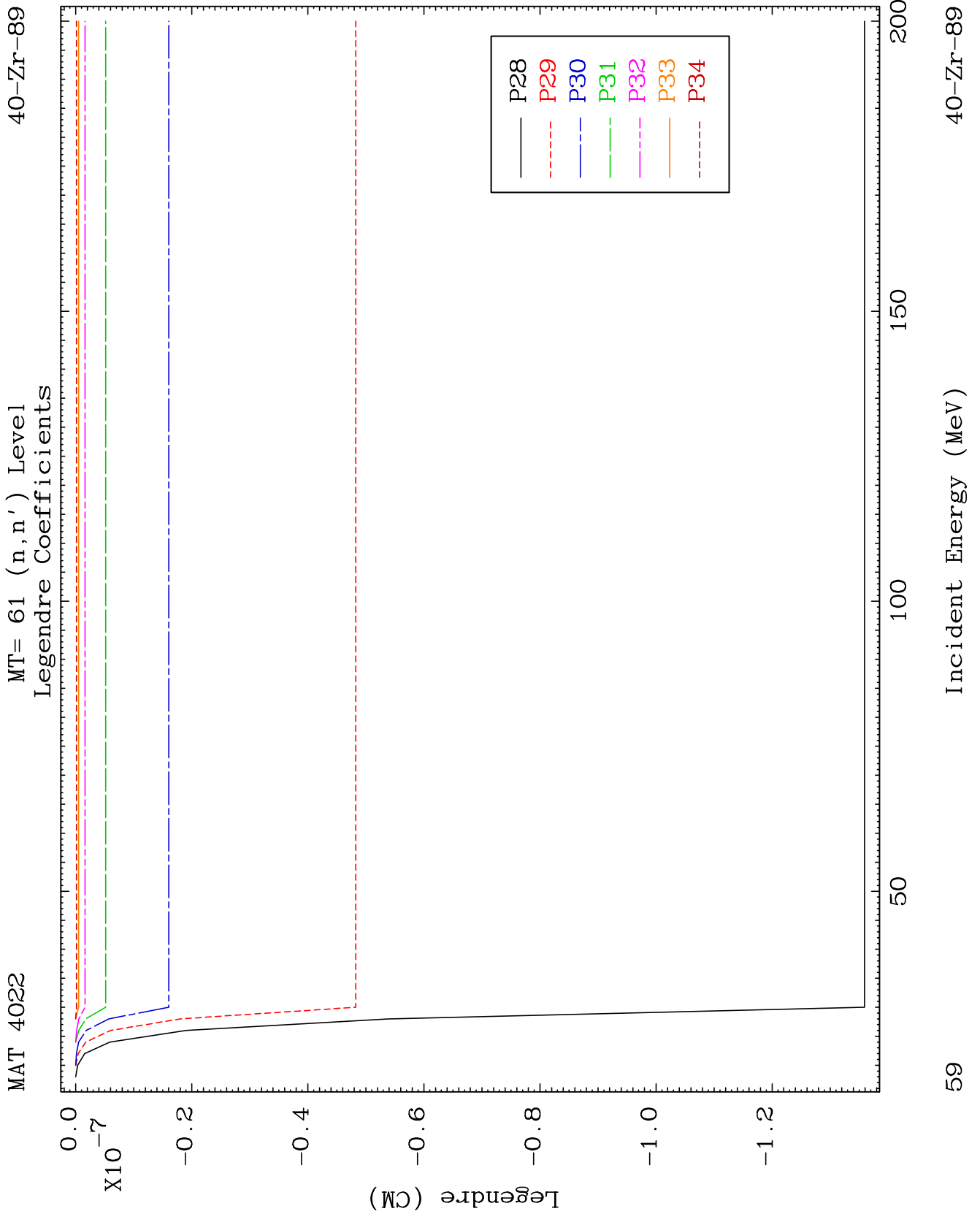










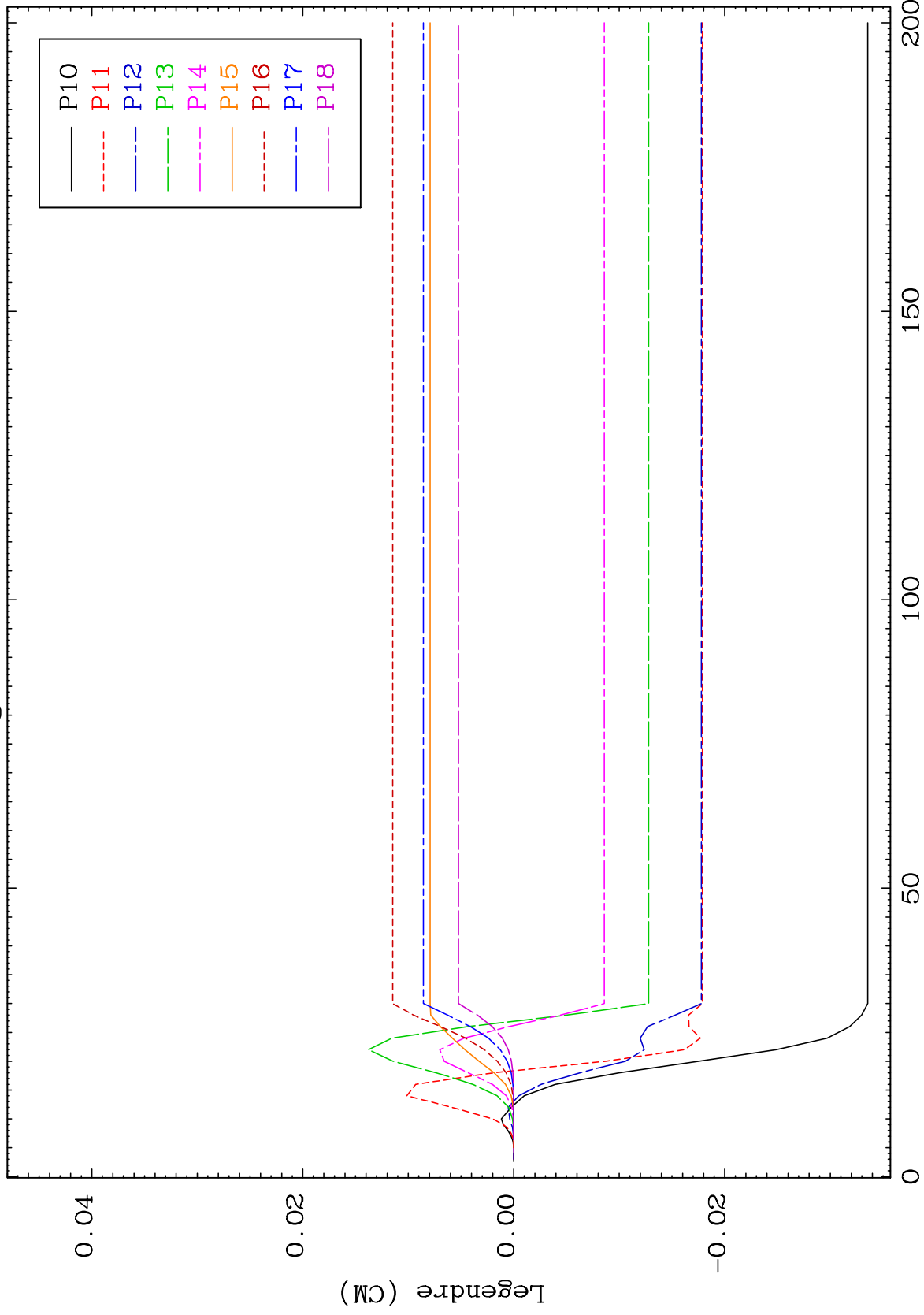




MAT 4022

MT= 62 (n,n') Level  
Legendre Coefficients

40-Zr-89



61

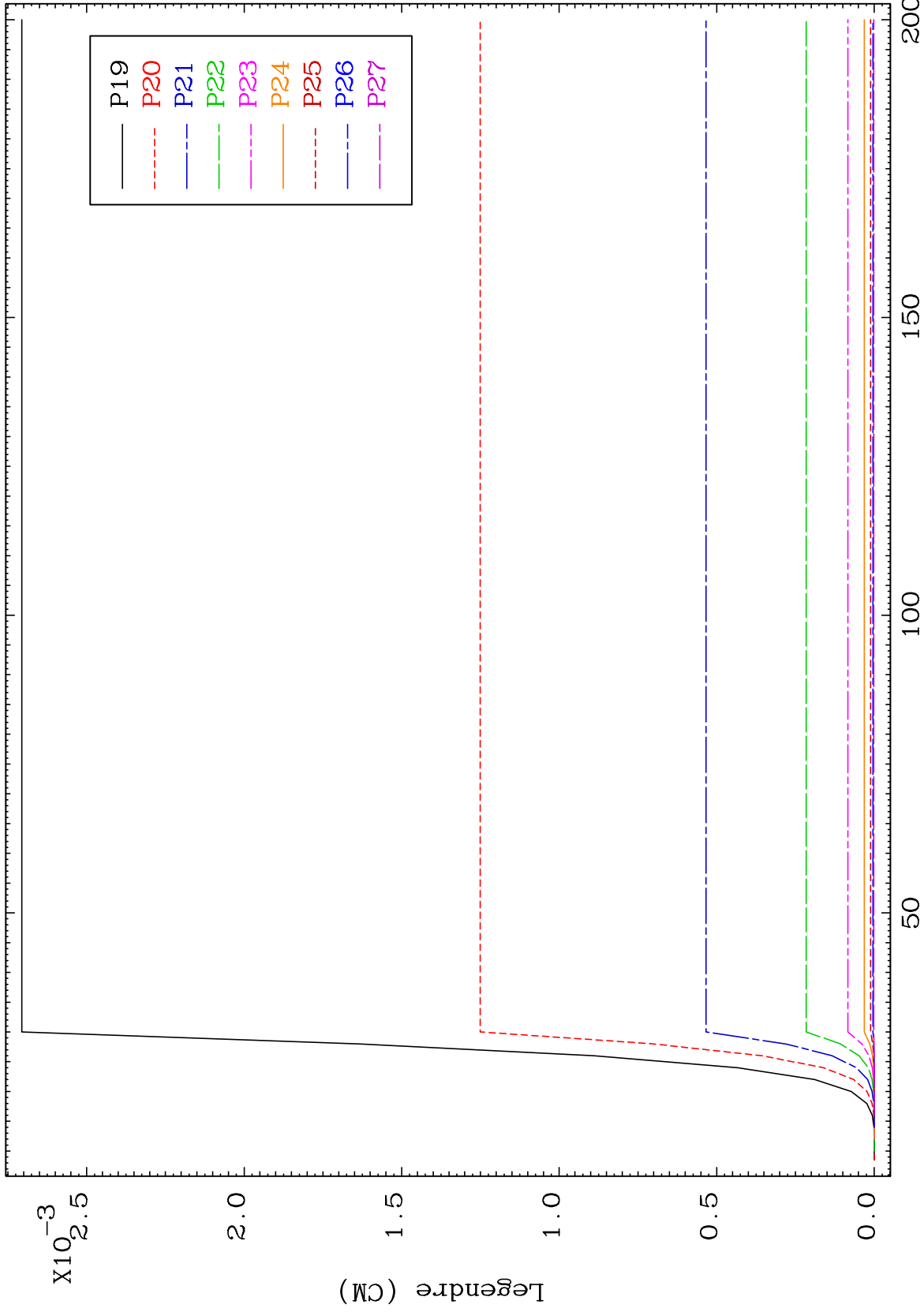
Incident Energy (MeV)

40-Zr-89

MAT 4022

MT= 62 (n,n') Level  
Legendre Coefficients

40-Zr-89



62

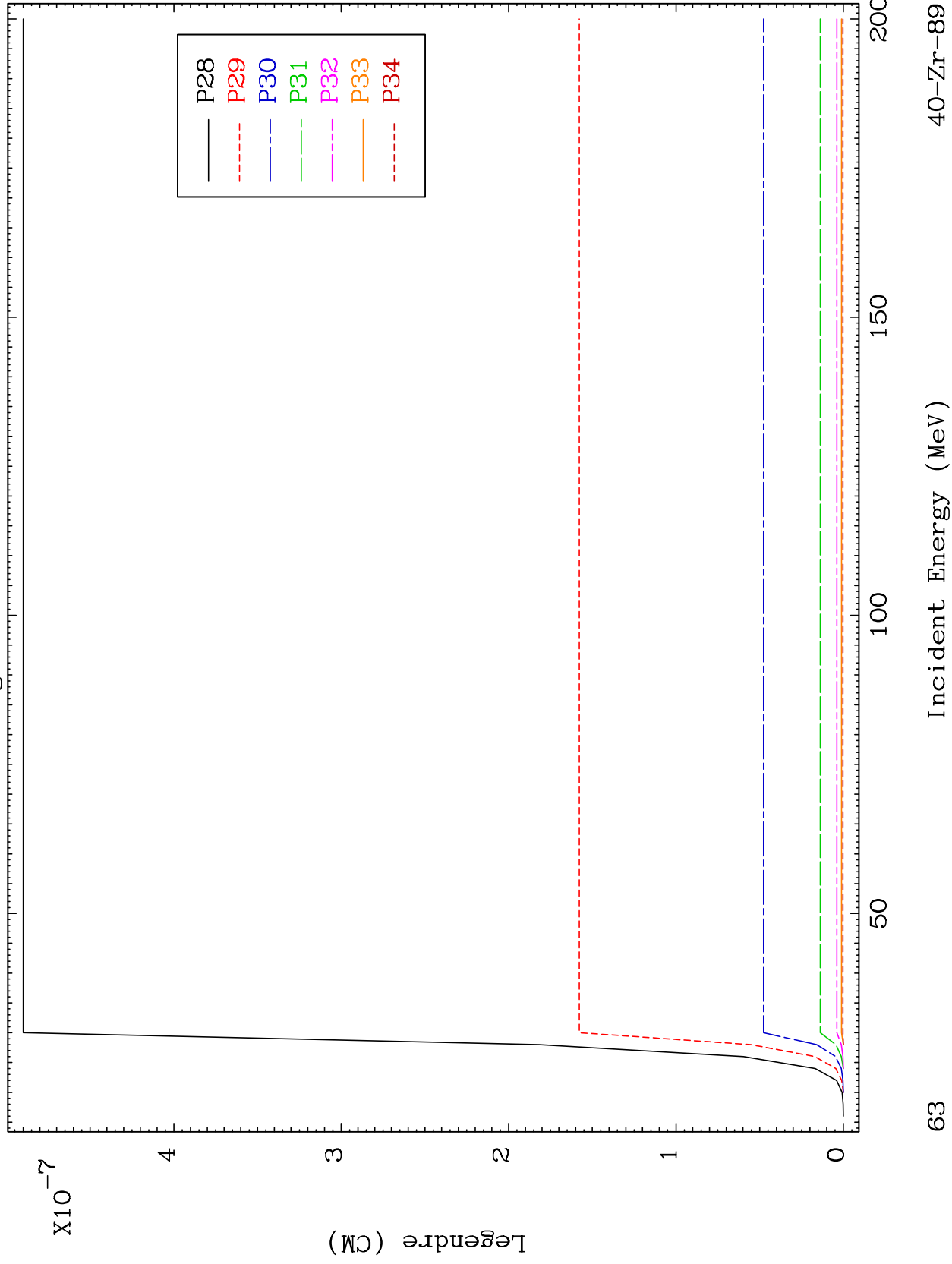
Incident Energy (MeV)

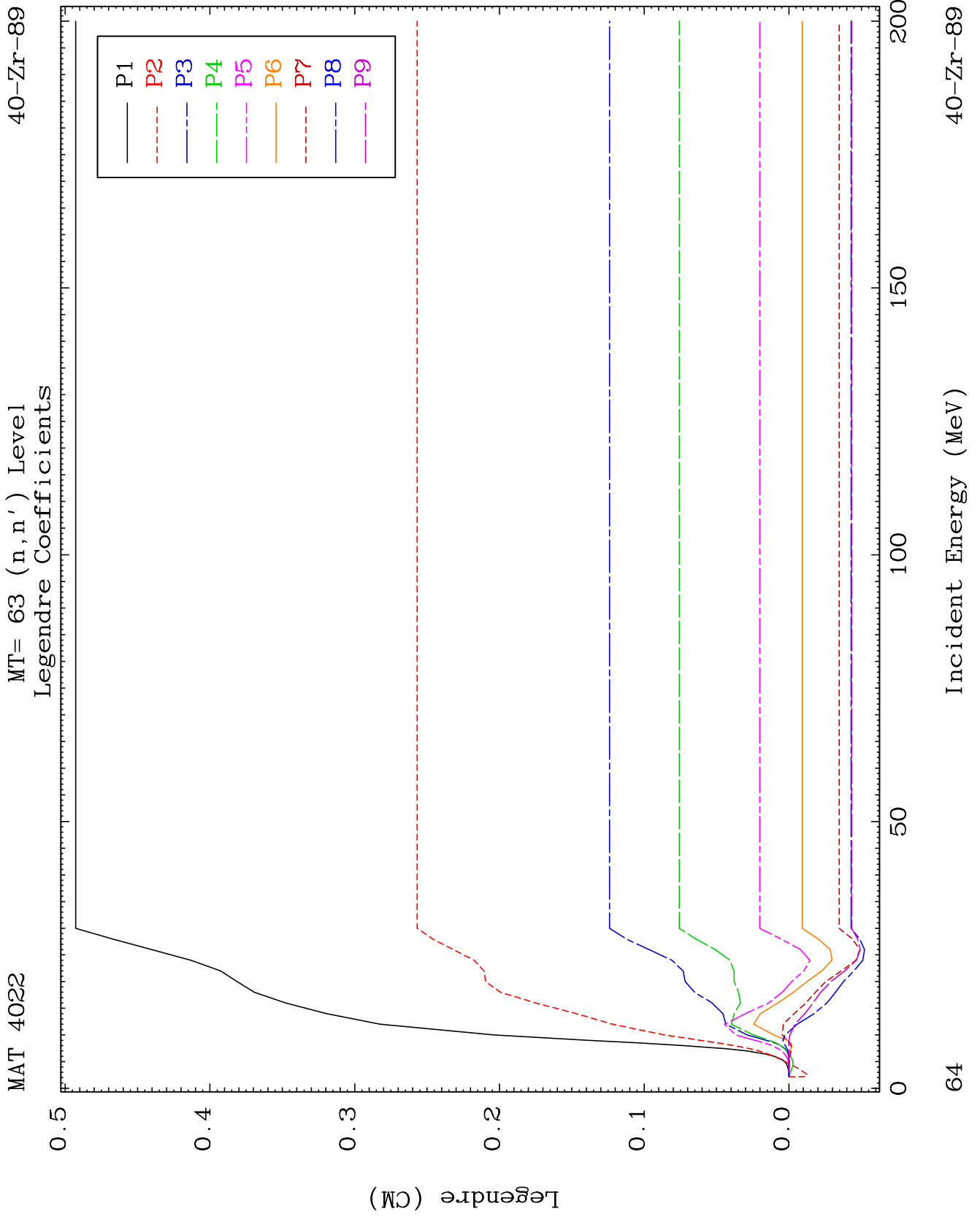
40-Zr-89

MAT 4022

MT= 62 (n,n') Level  
Legendre Coefficients

40-Zr-89

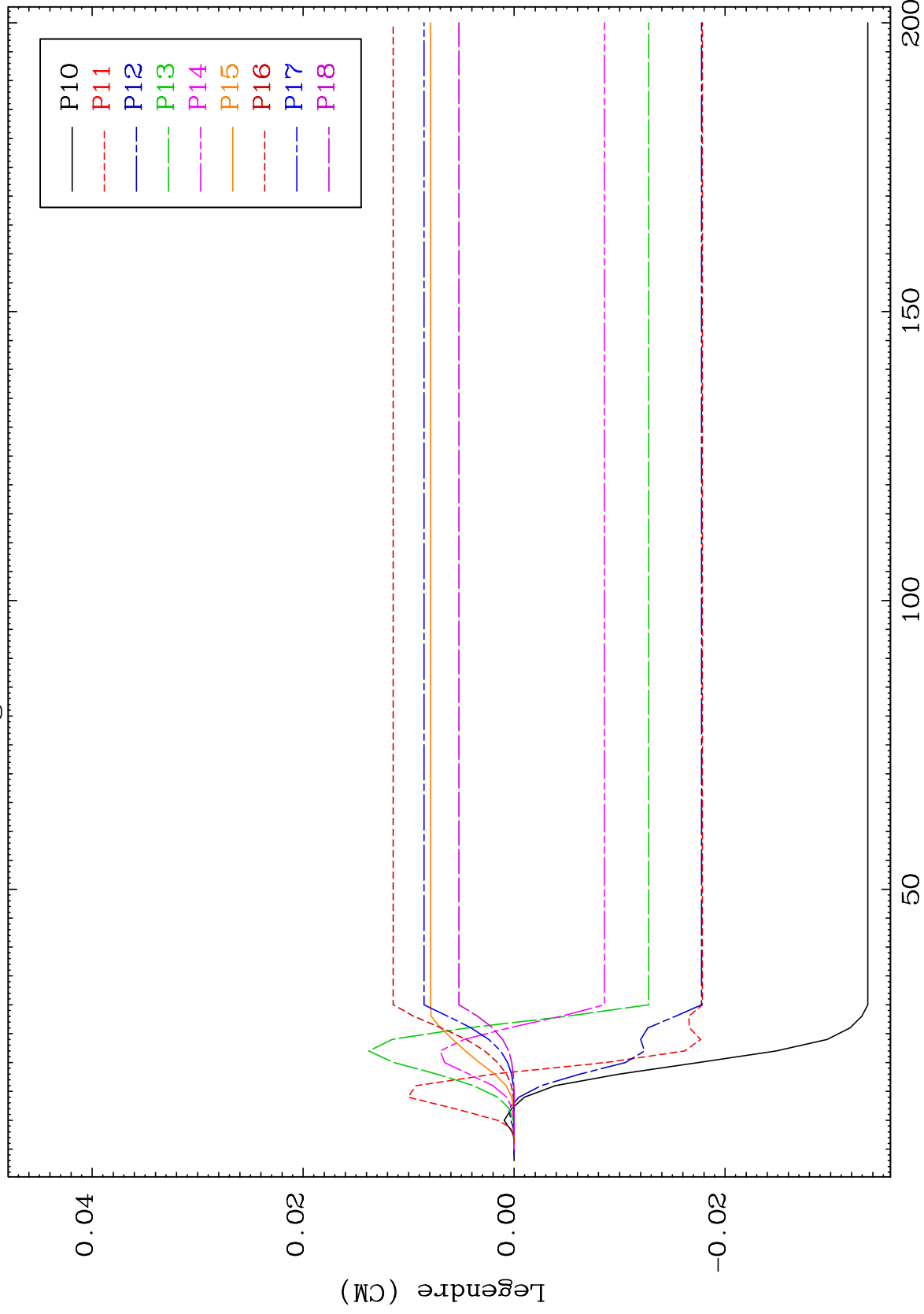




MAT 4022

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

40-Zr-89



65

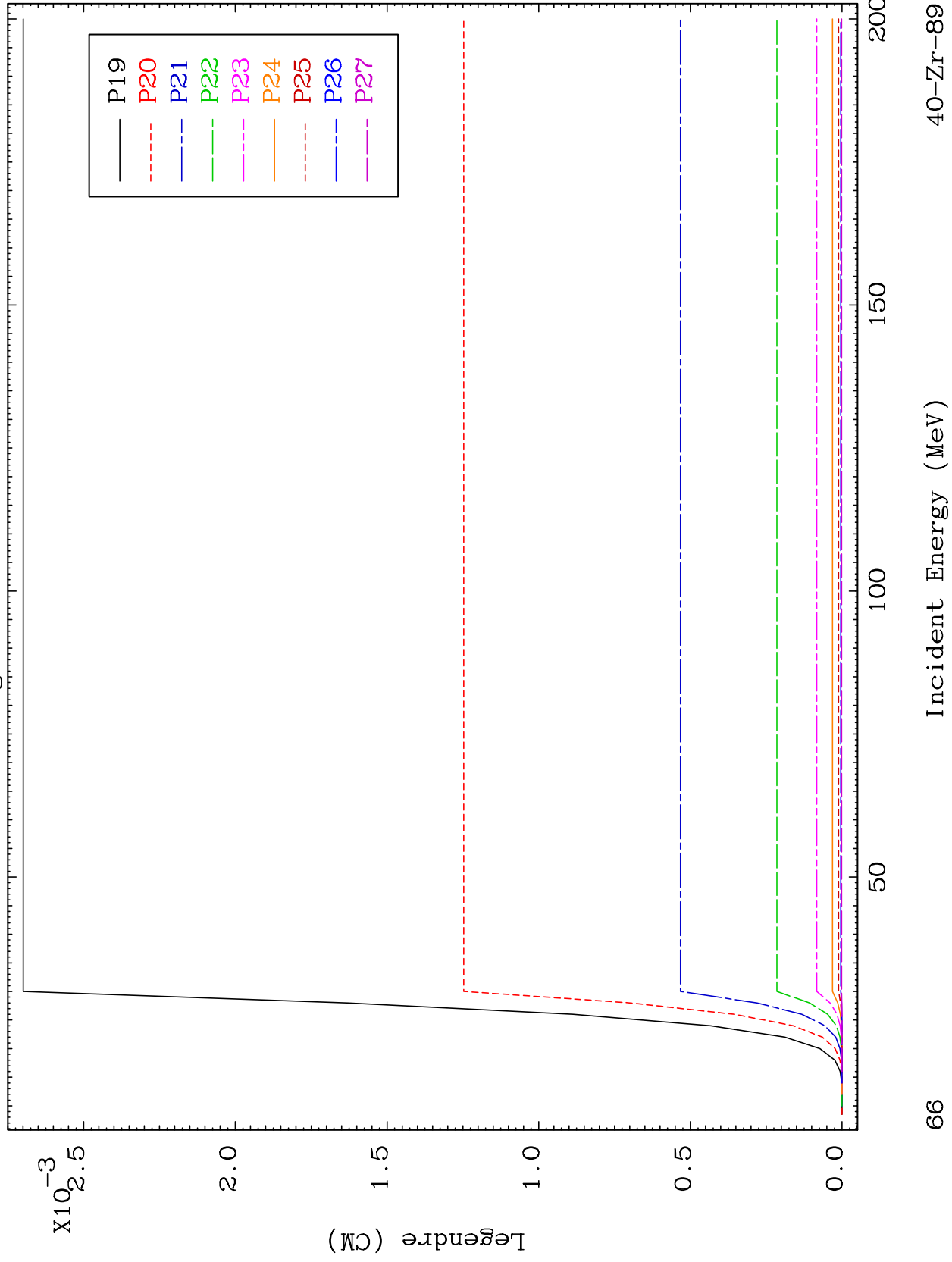
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



66

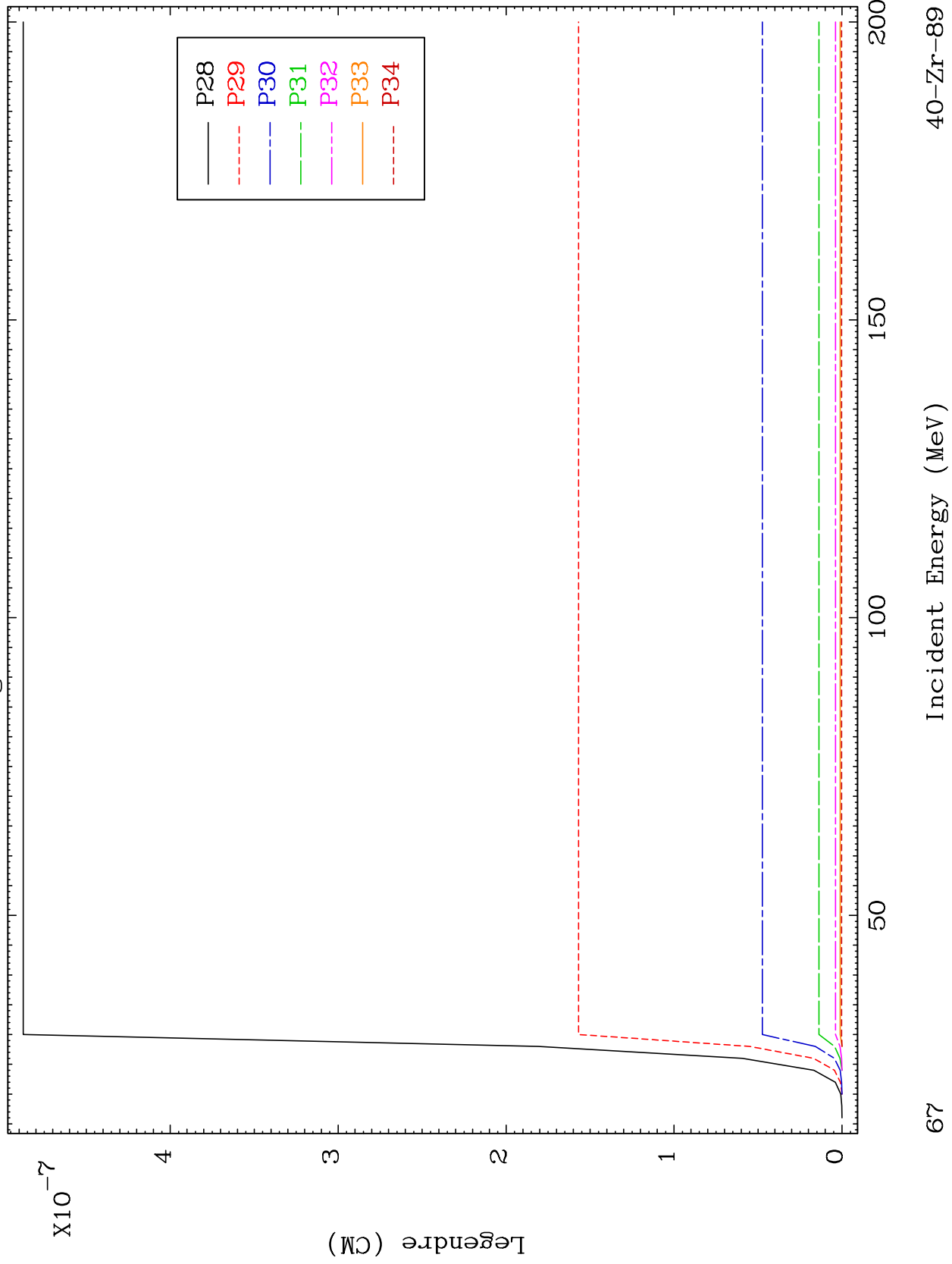
Incident Energy (MeV)

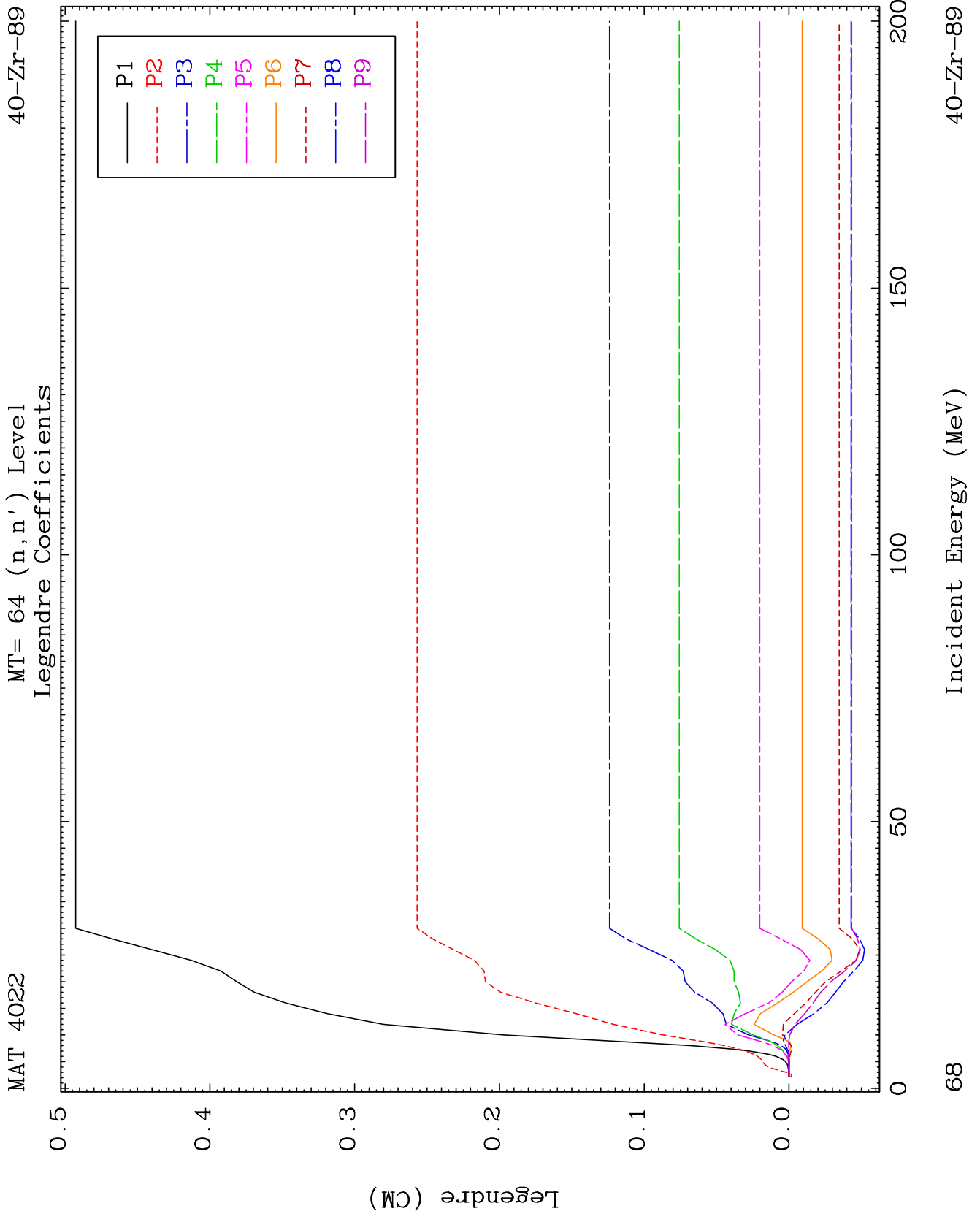
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MAT 4022

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

40-Zr-89

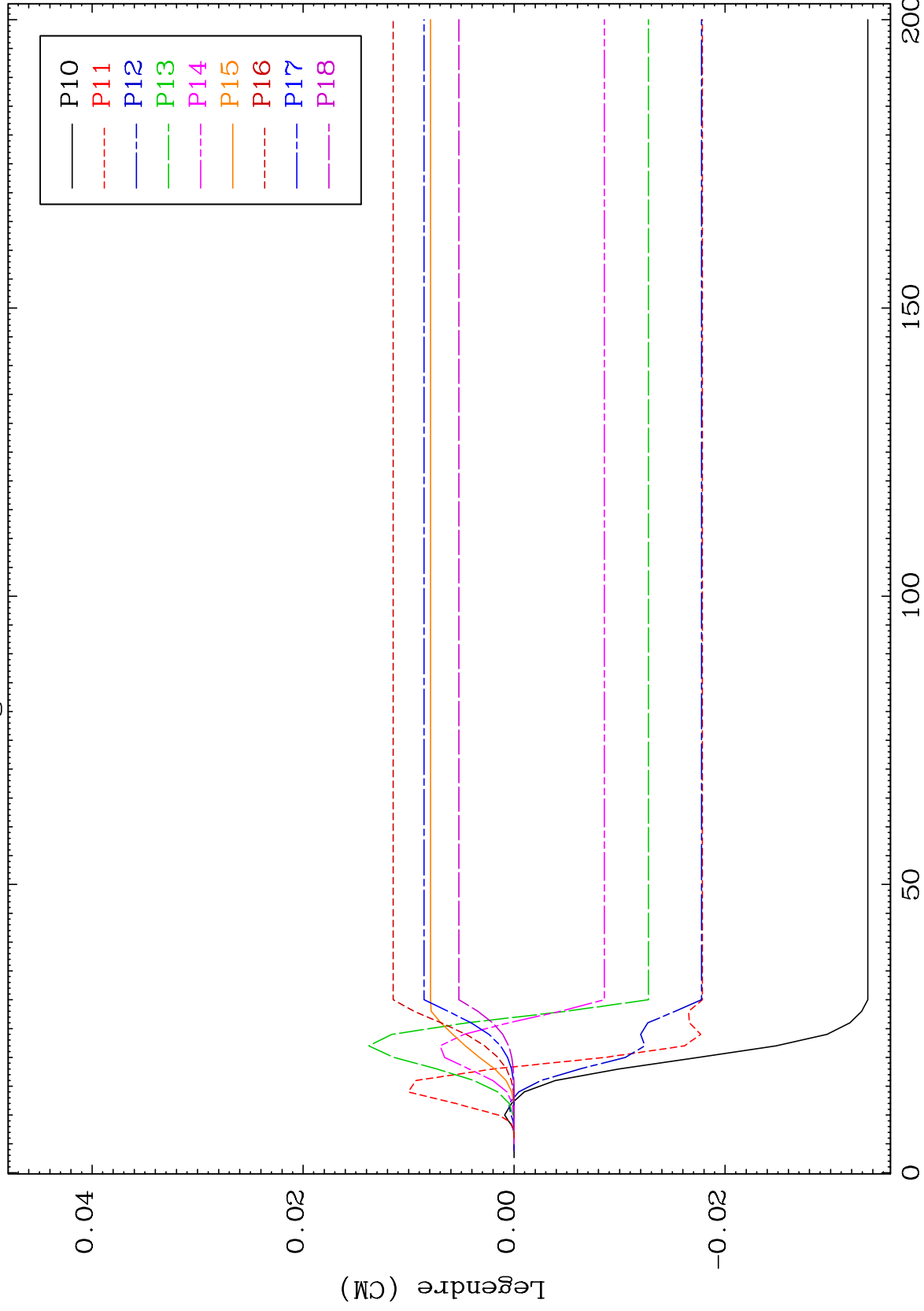




MAT 4022

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

40-Zr-89



69

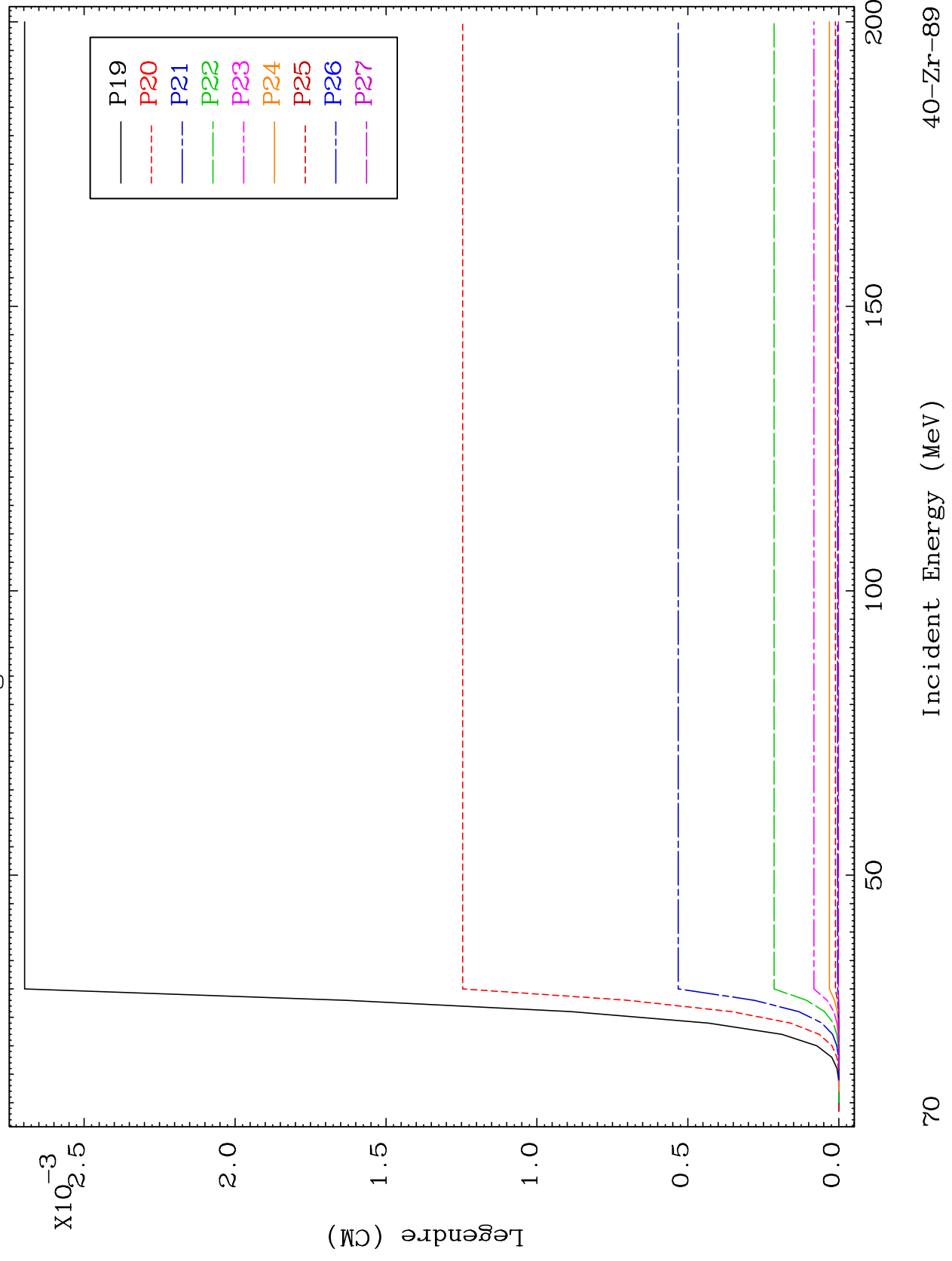
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



40-Zr-89

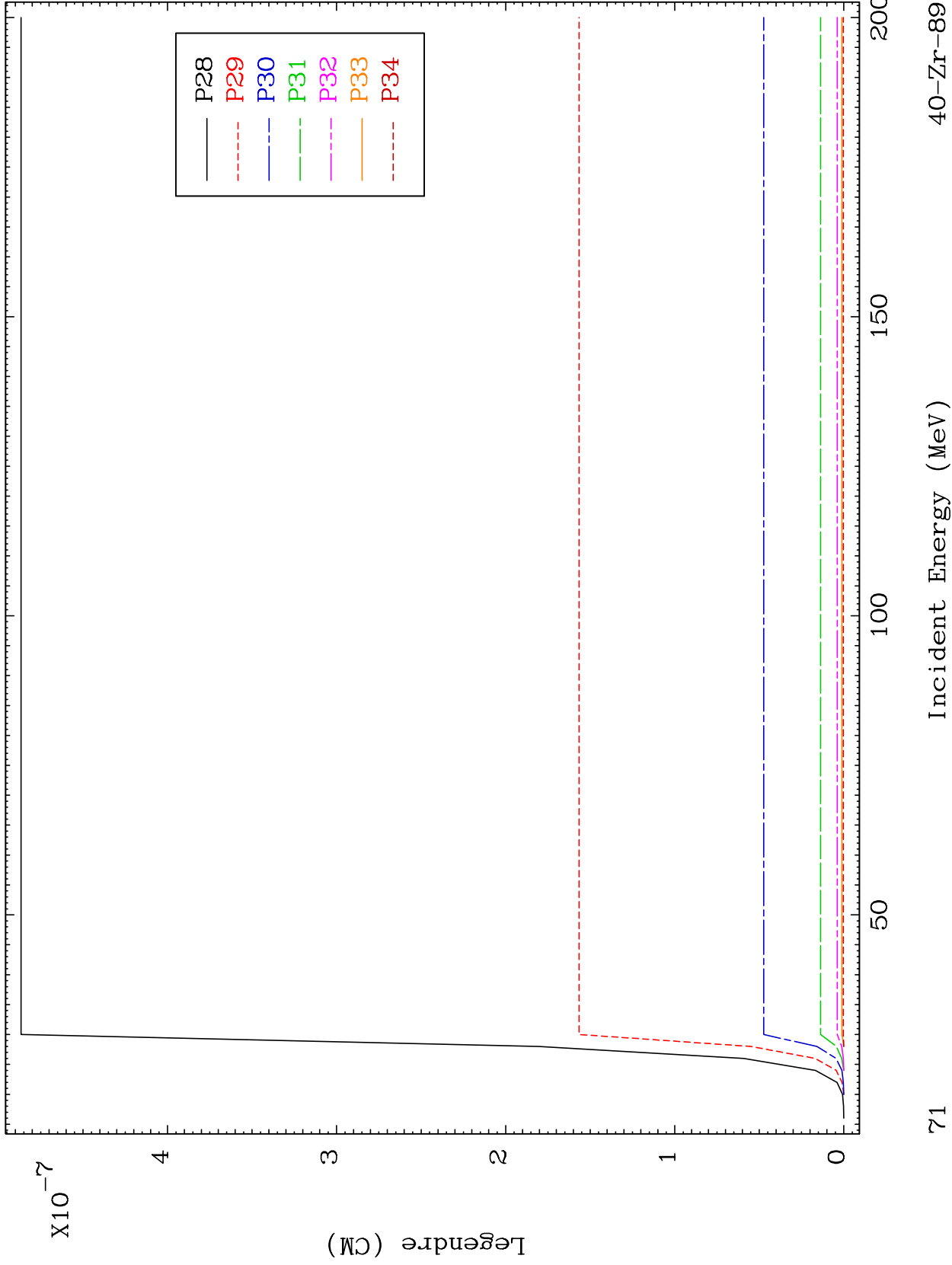
Incident Energy (MeV)

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MAT 4022

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

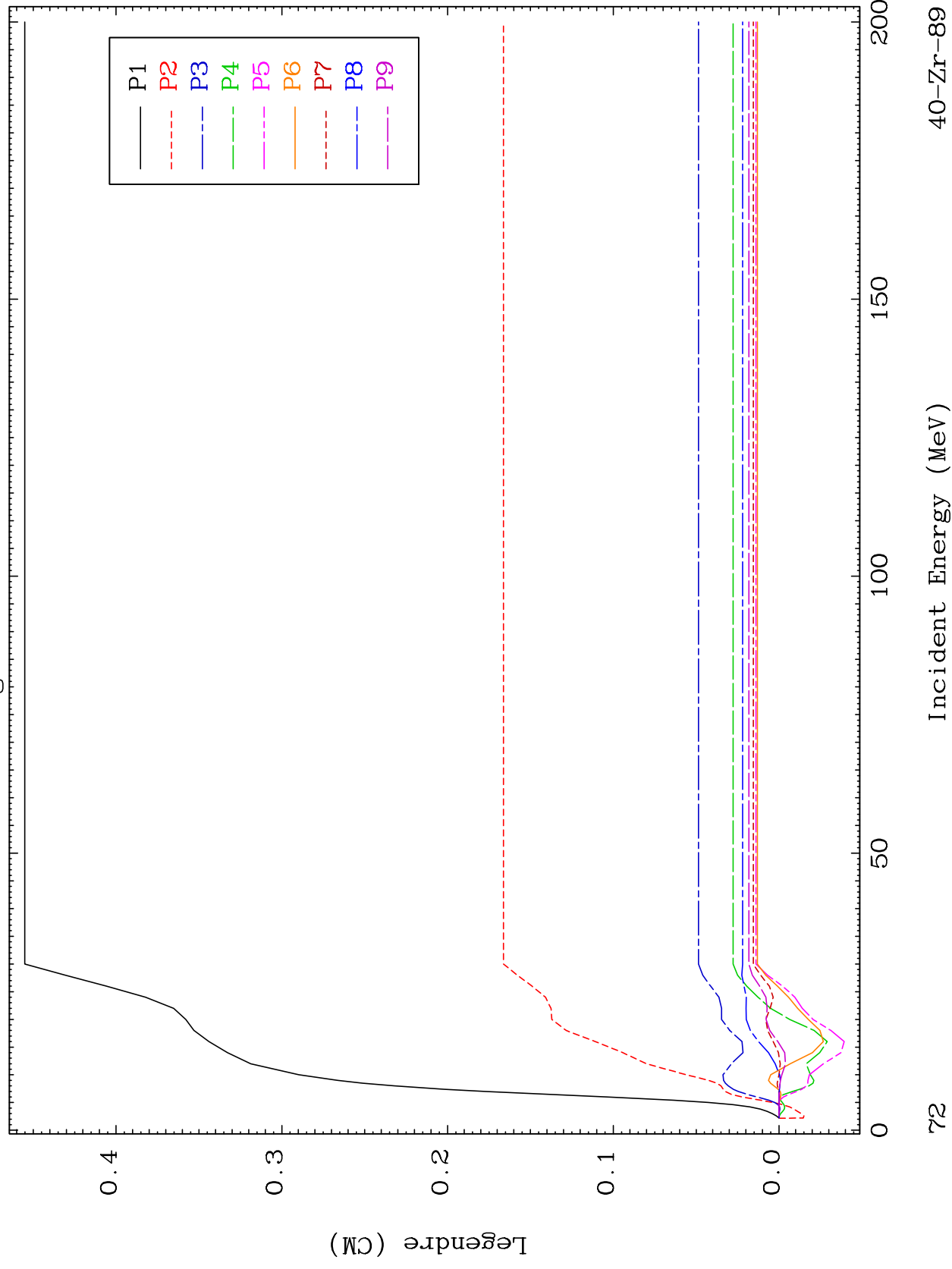
40-Zr-89



MAT 4022

MT= 65 (n,n') Level  
Legendre Coefficients

40-Zr-89



40-Zr-89

Incident Energy (MeV)

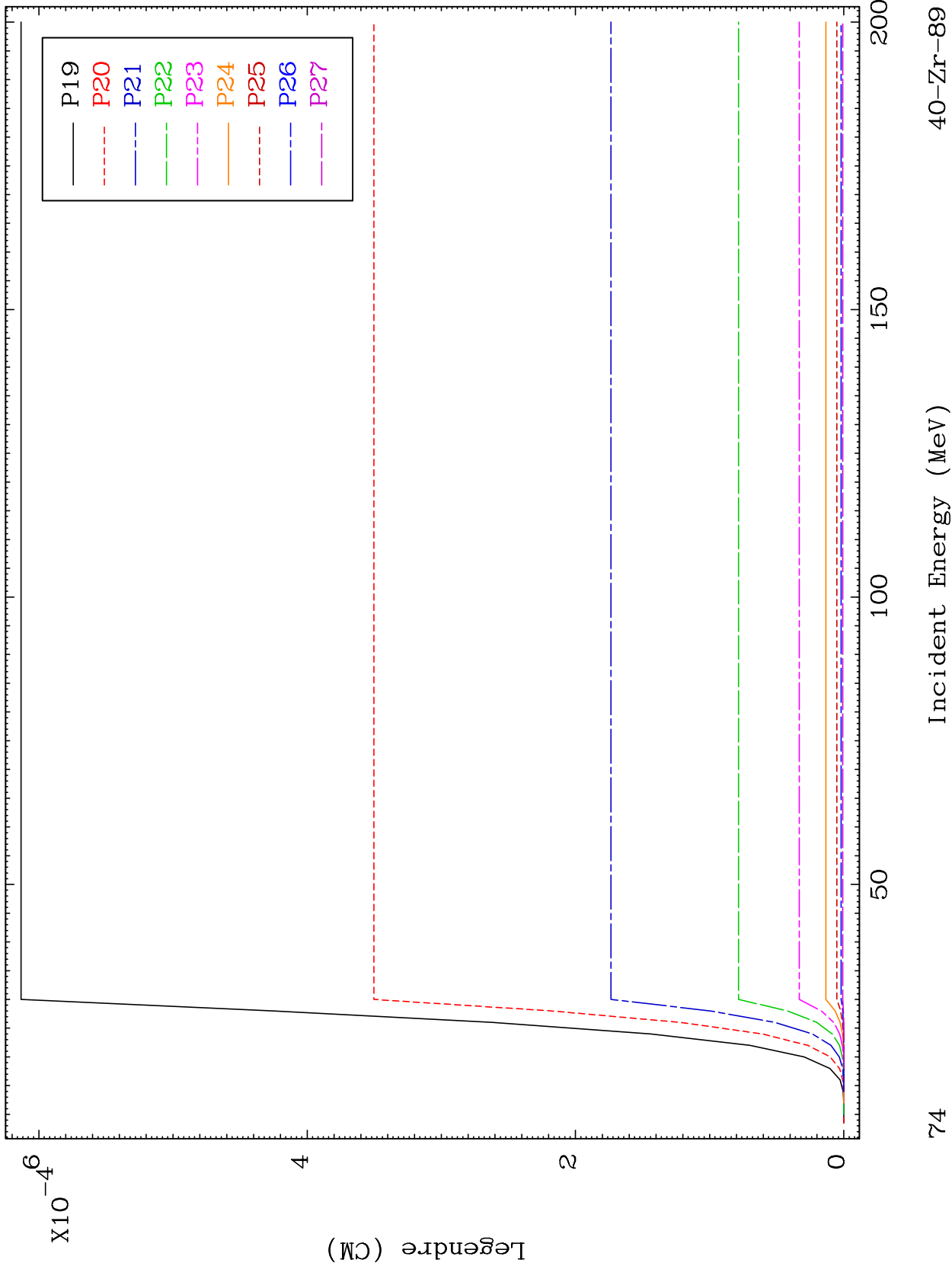
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MAT 4022

MT= 65 (n,n') Level  
Legendre Coefficients

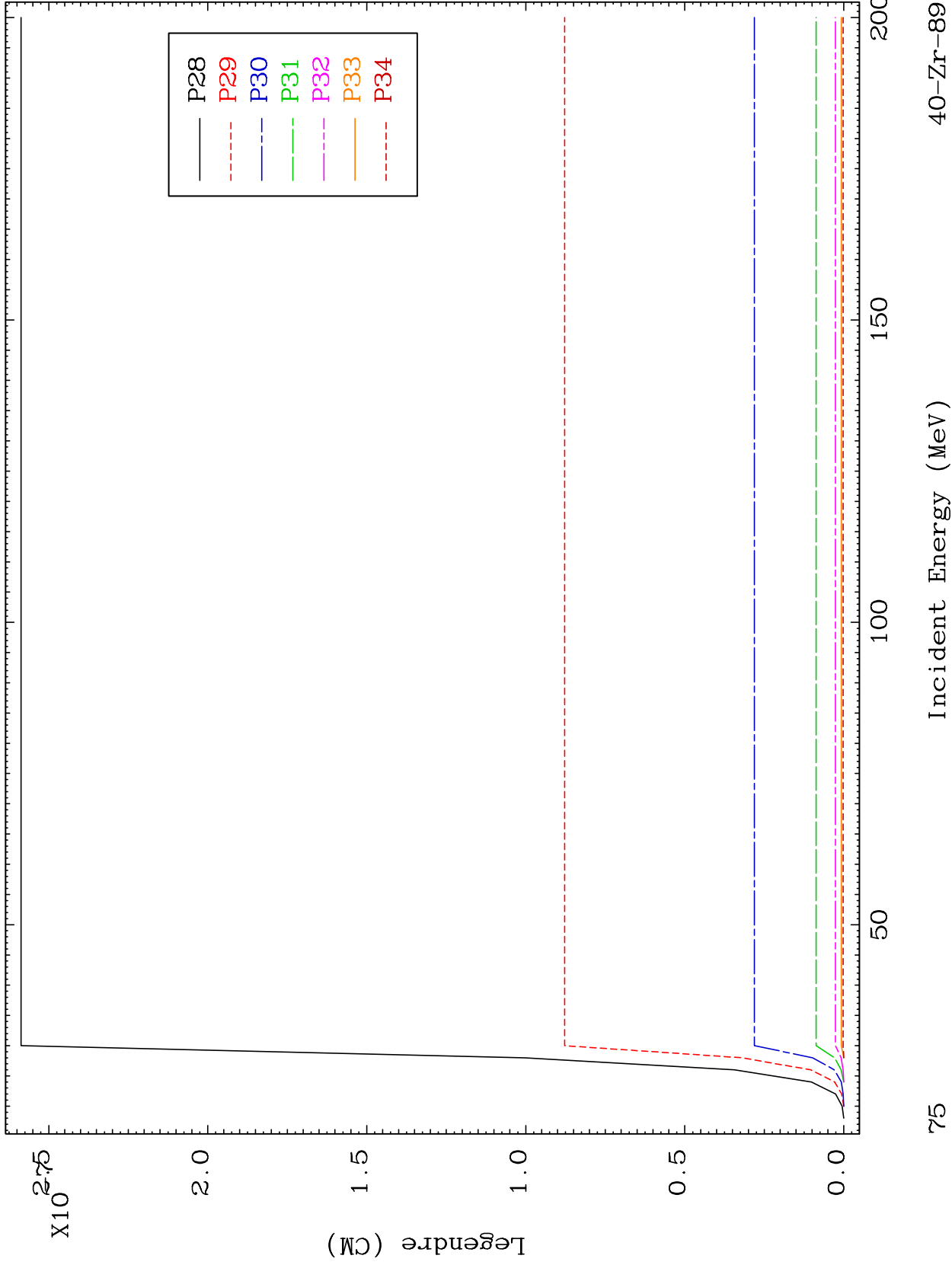
40-Zr-89

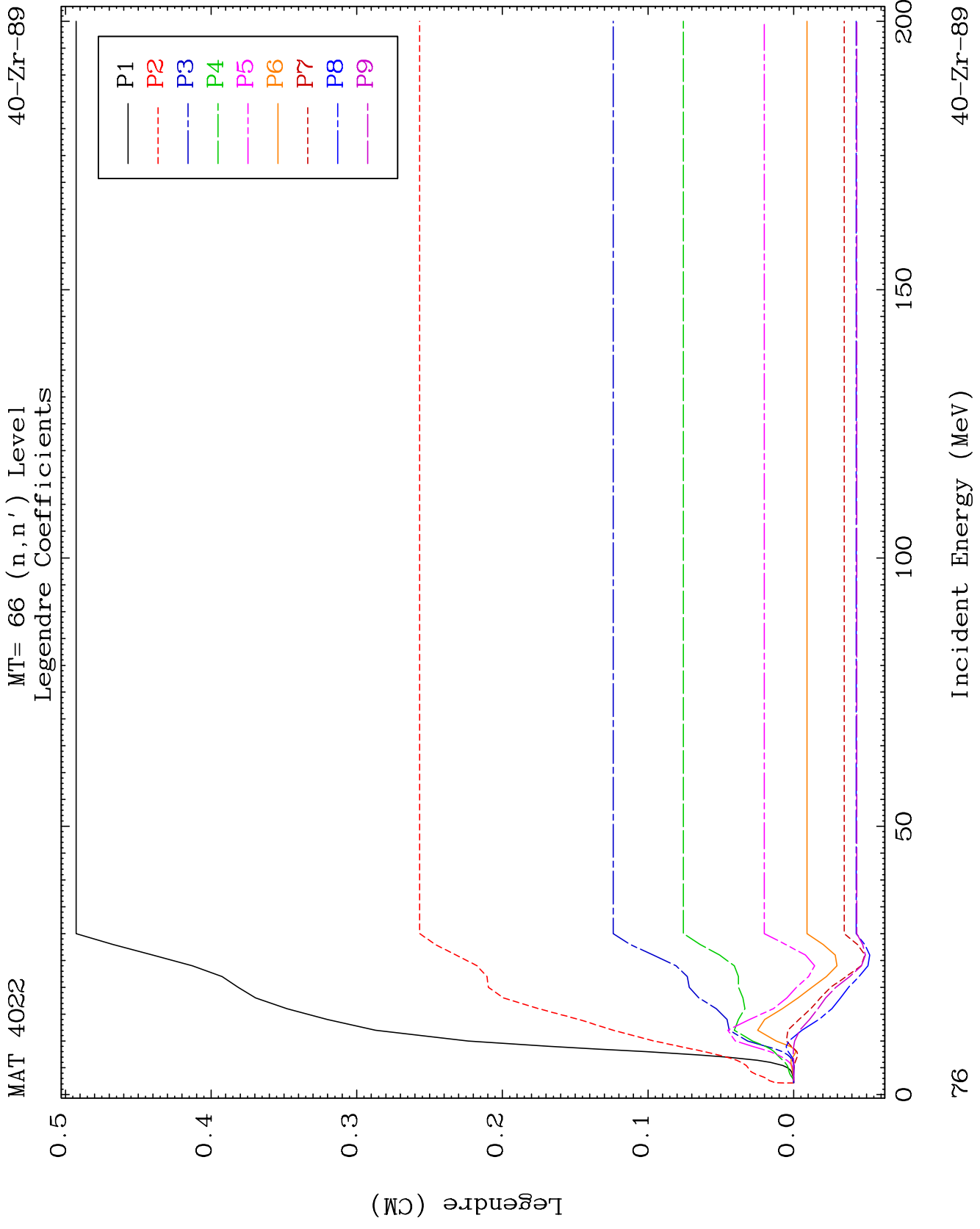


MAT 4022

MT= 65 (n,n') Level  
Legendre Coefficients

40-Zr-89



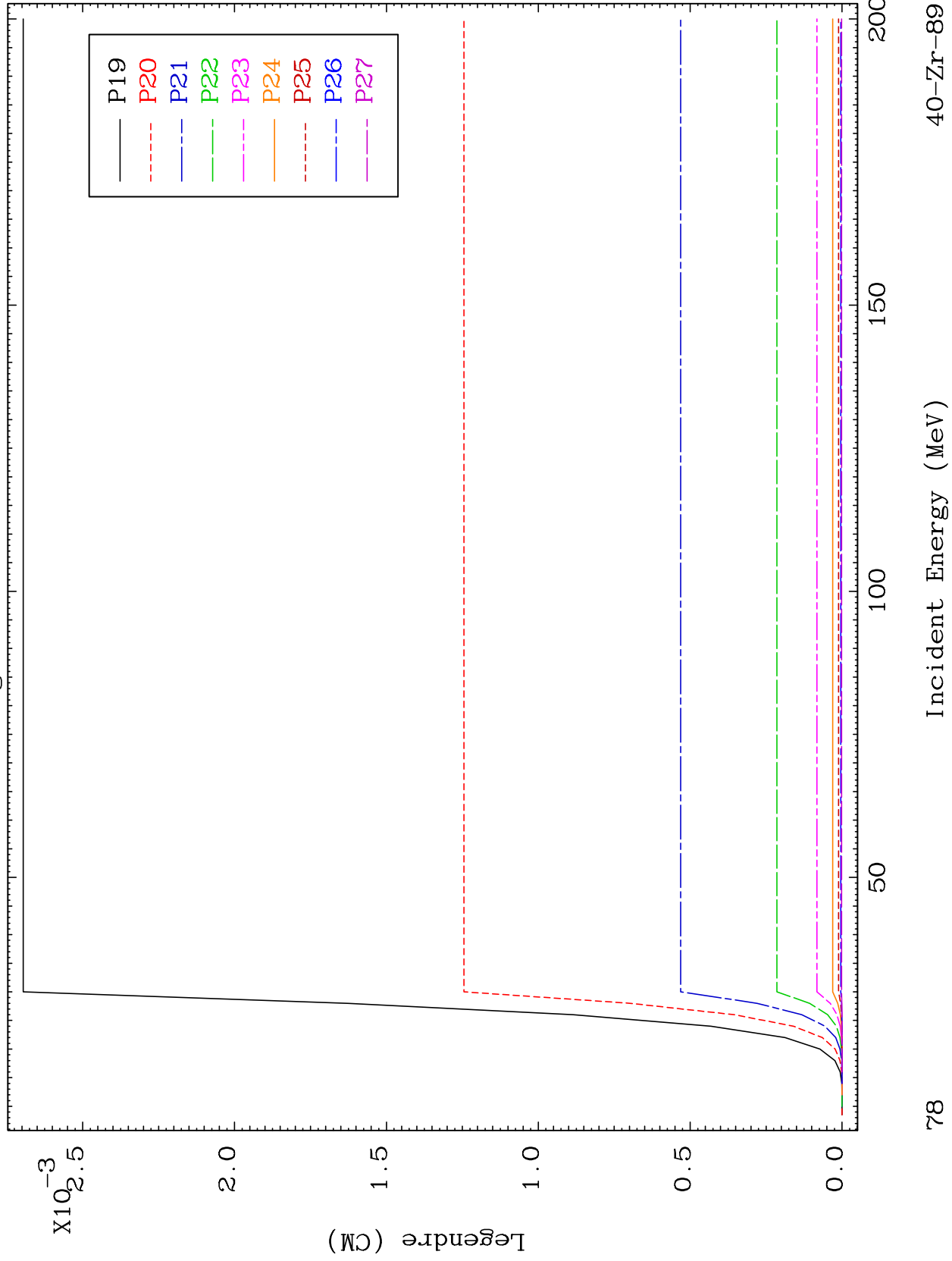




MAT 4022

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

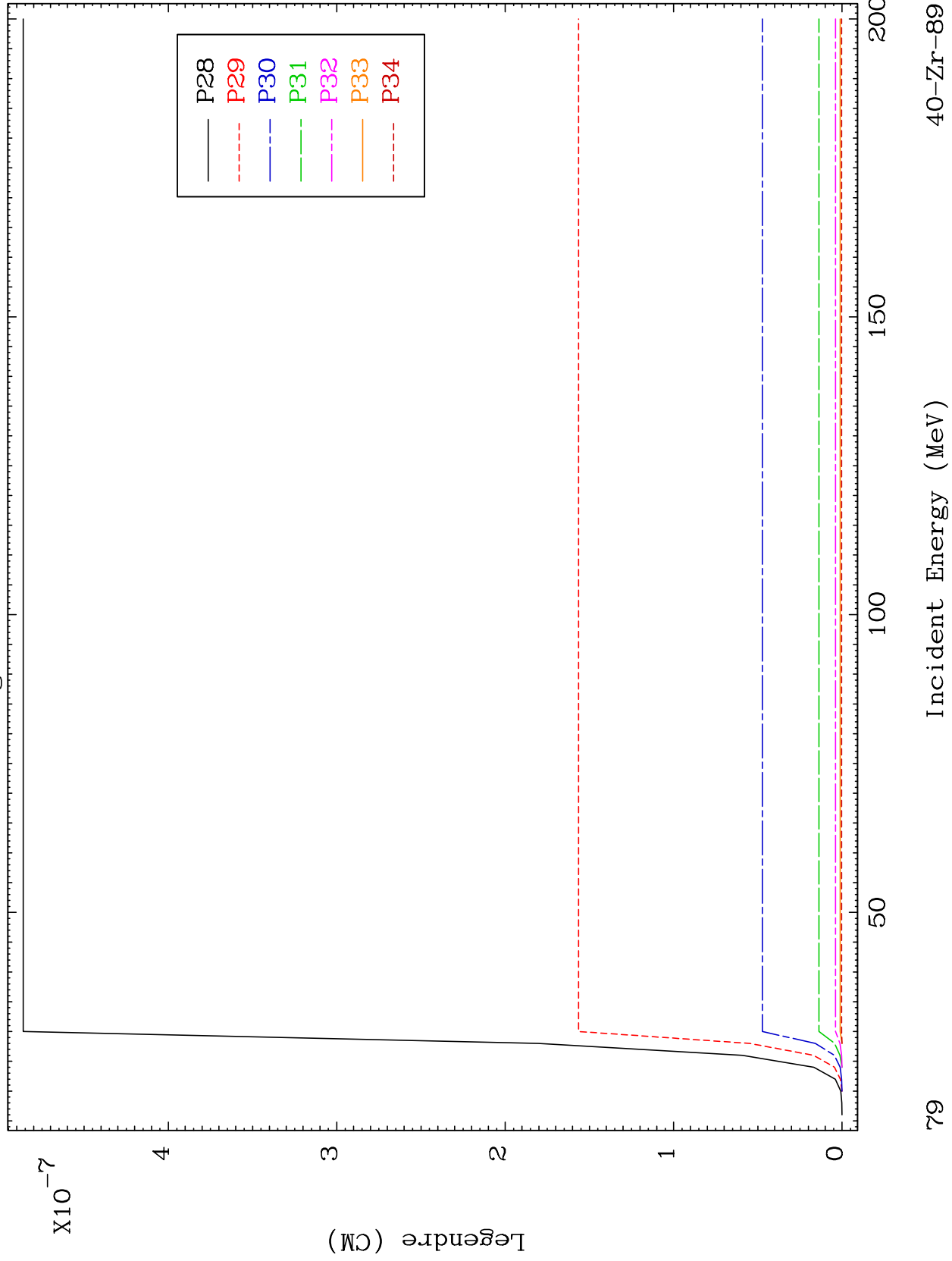
40-Zr-89



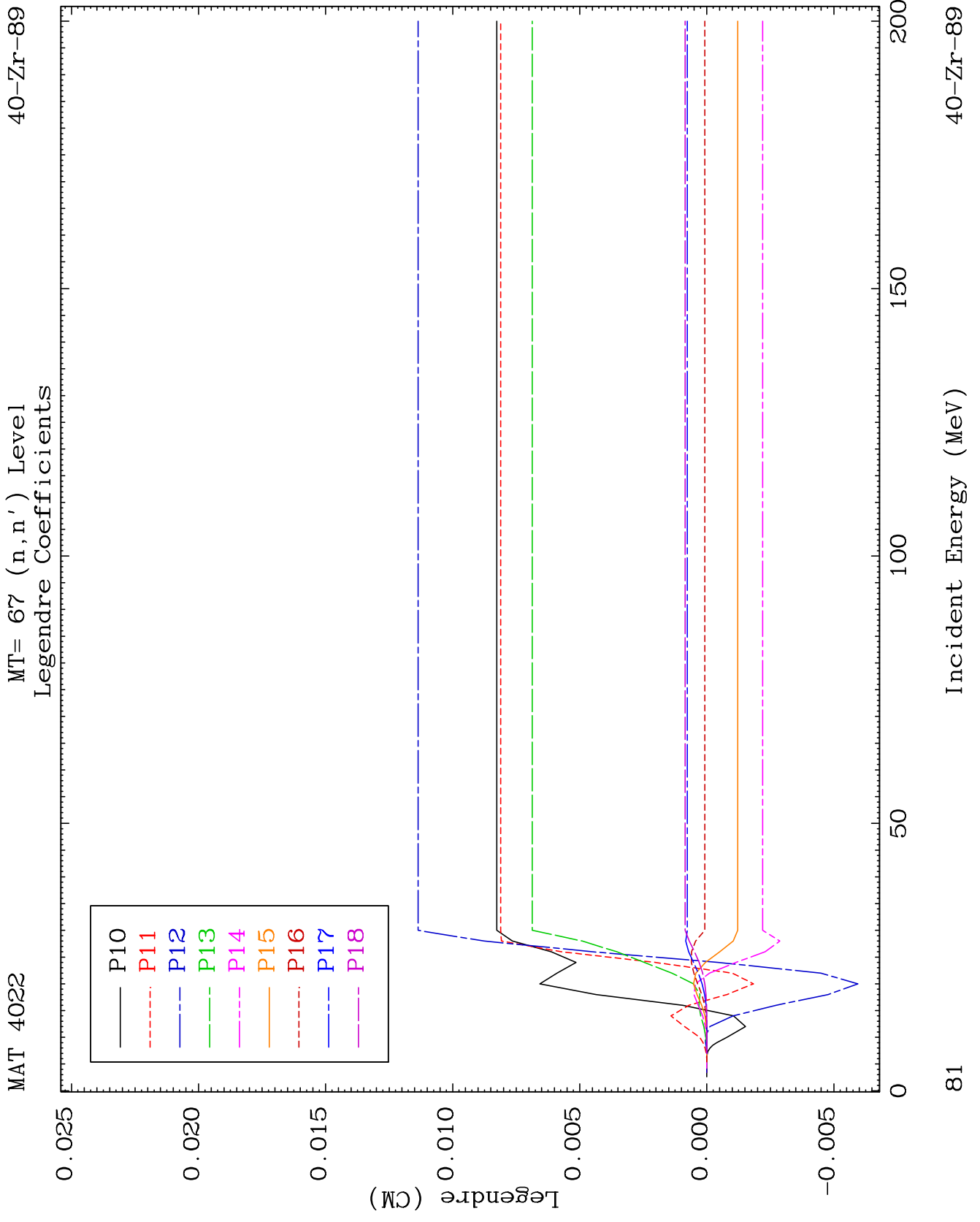
MAT 4022

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

40-Zr-89



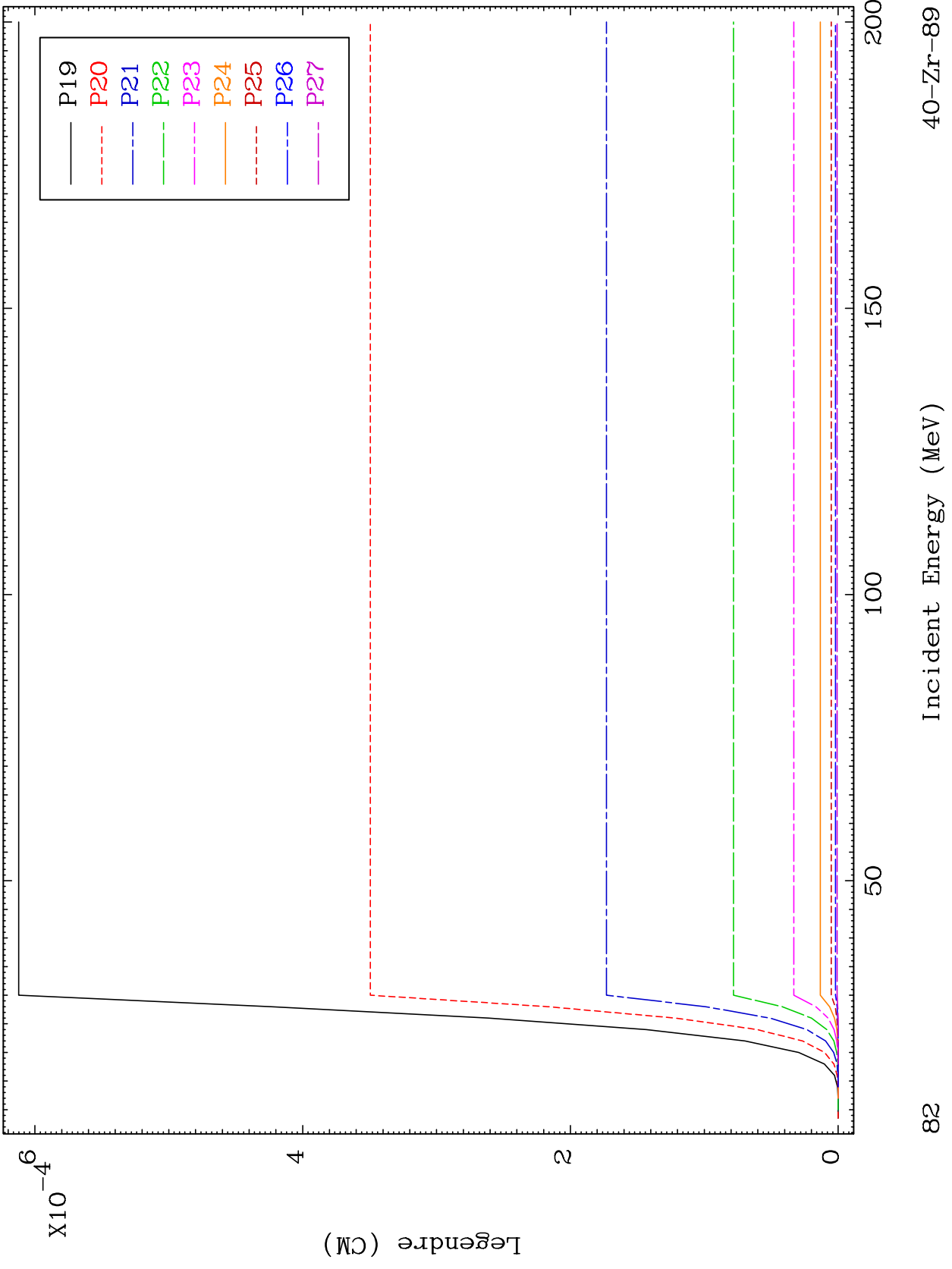




MAT 4022

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

40-Zr-89



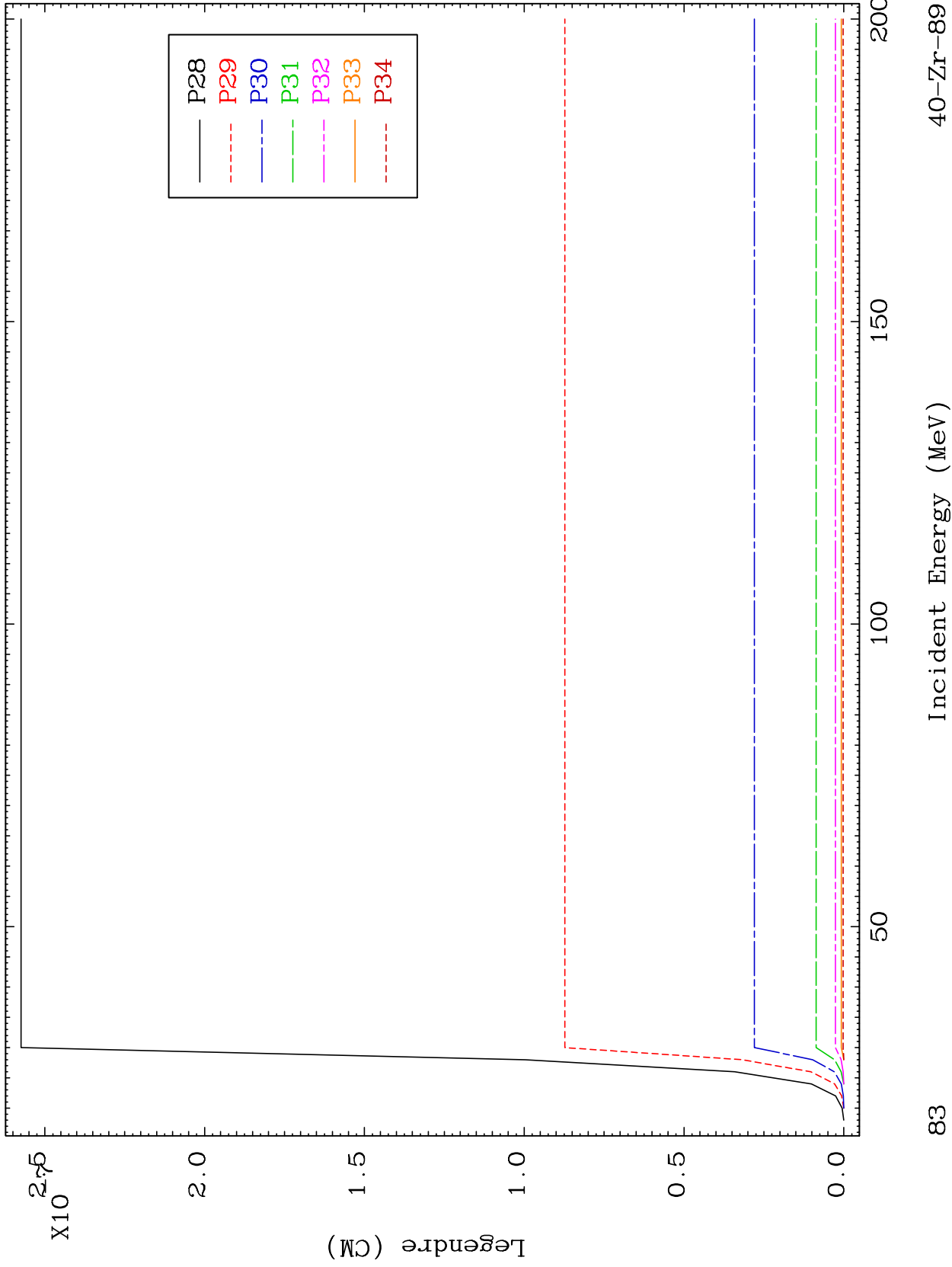
82

40-Zr-89

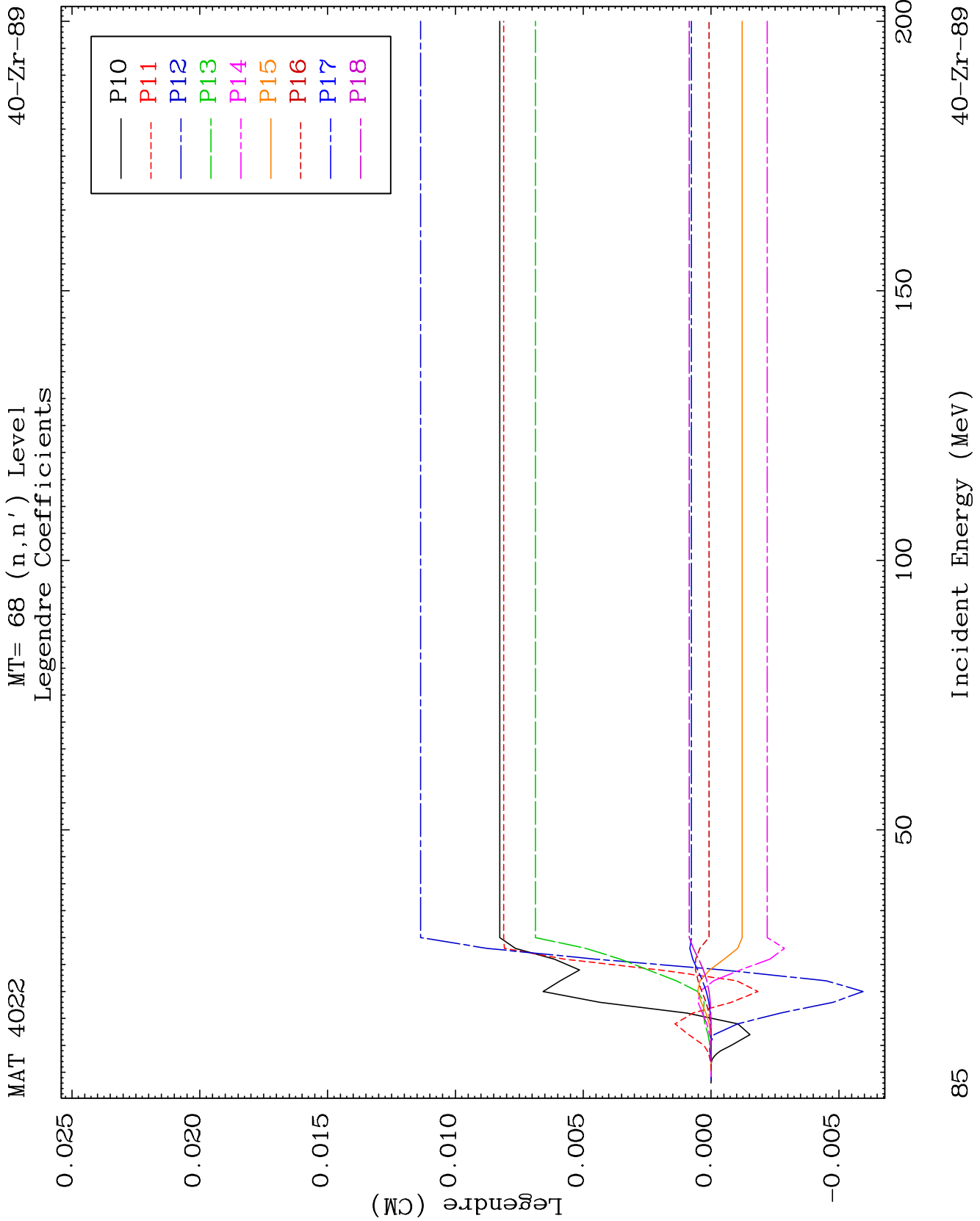
MAT 4022

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

40-Zr-89



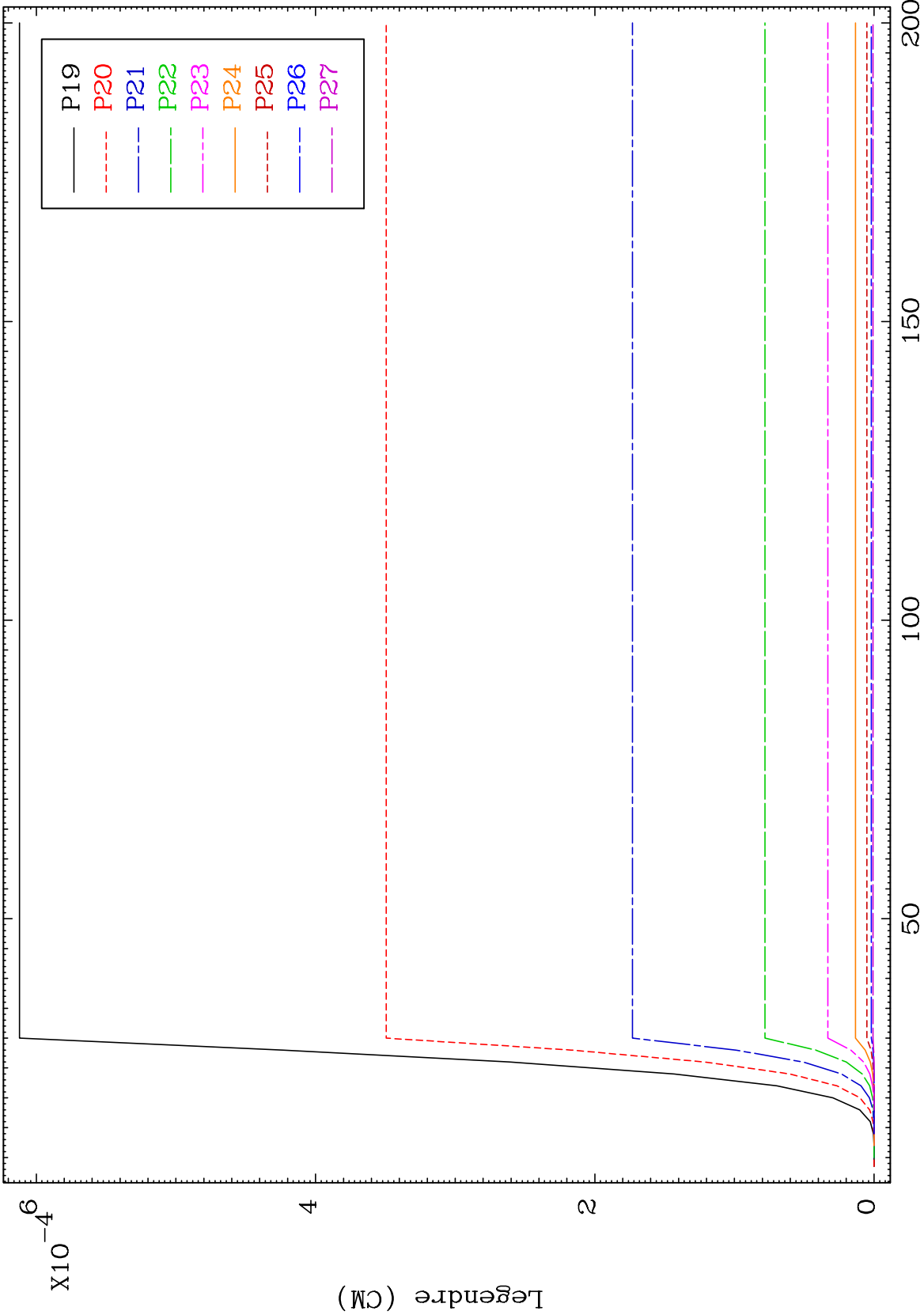




MAT 4022

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

40-Zr-89



86

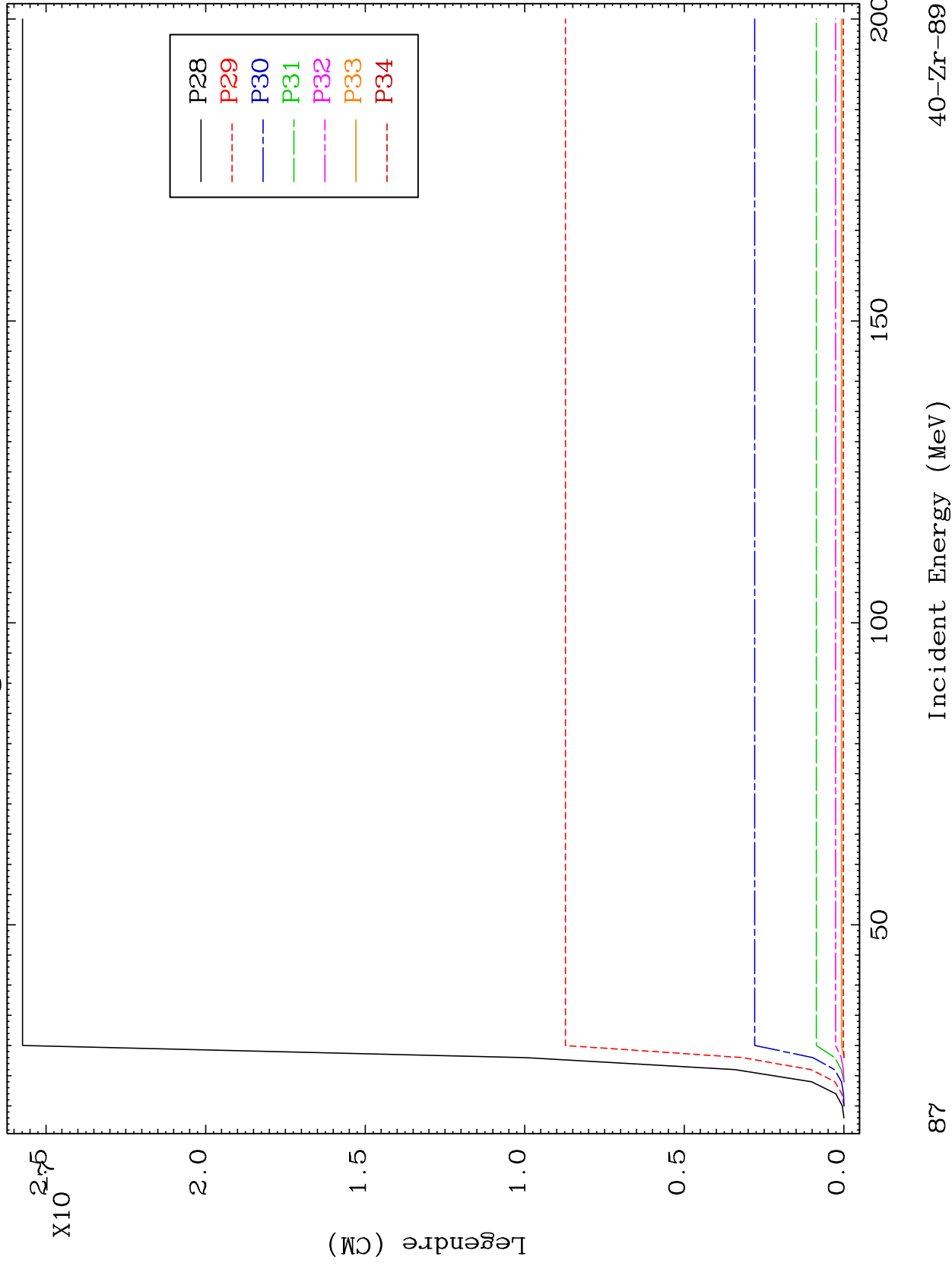
Incident Energy (MeV)

40-Zr-89

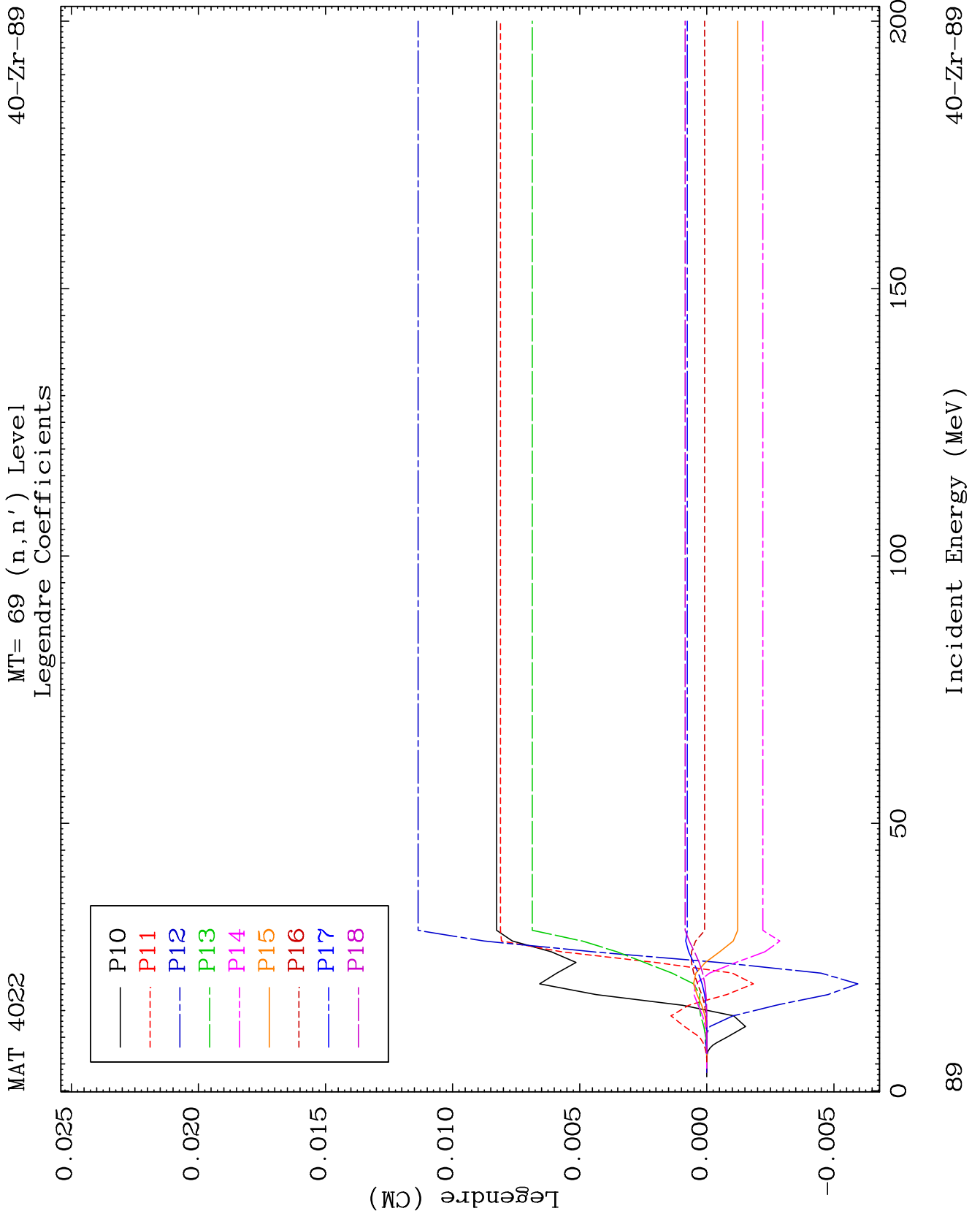
MAT 4022

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

40-Zr-89



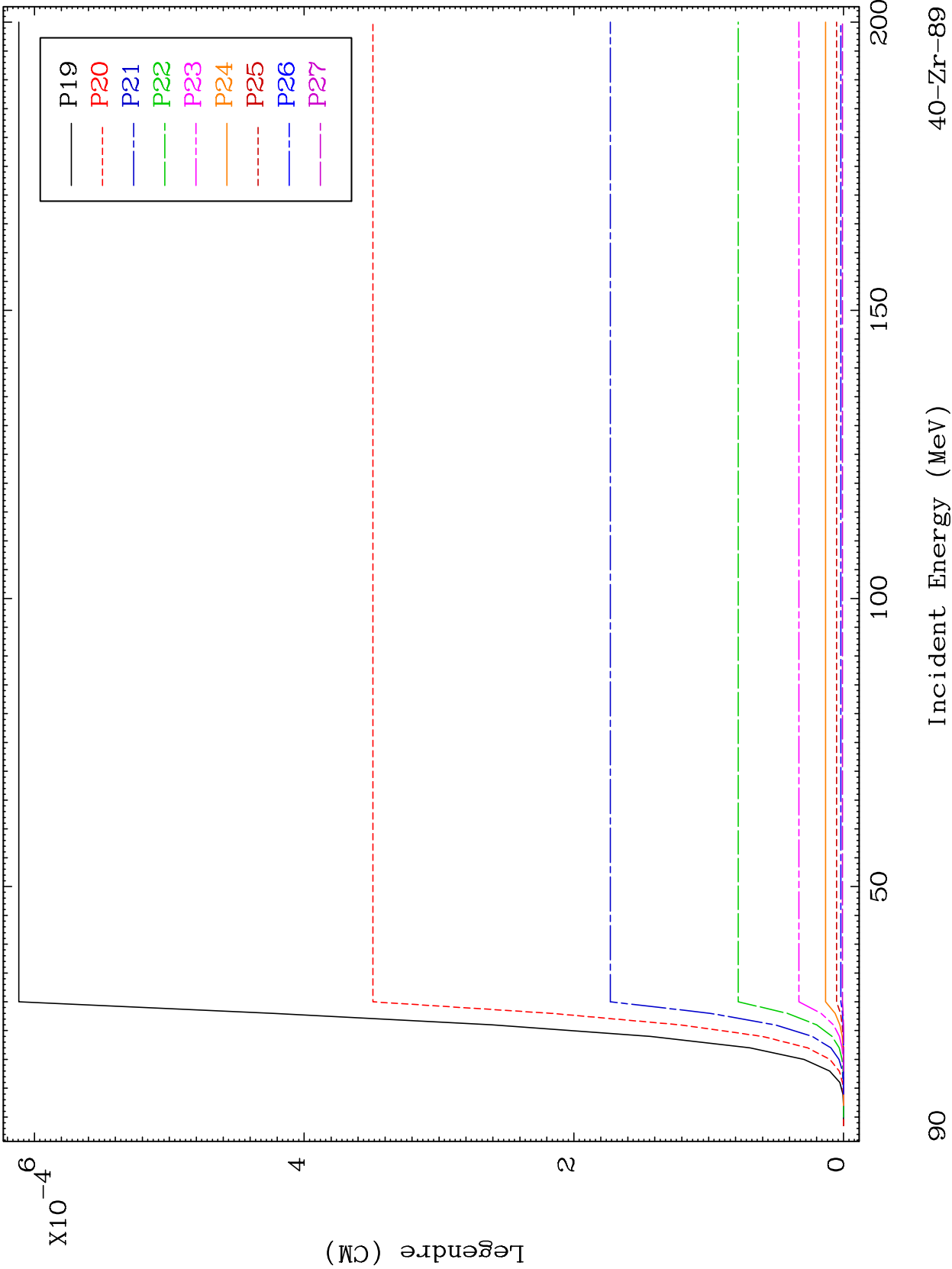




MAT 4022

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

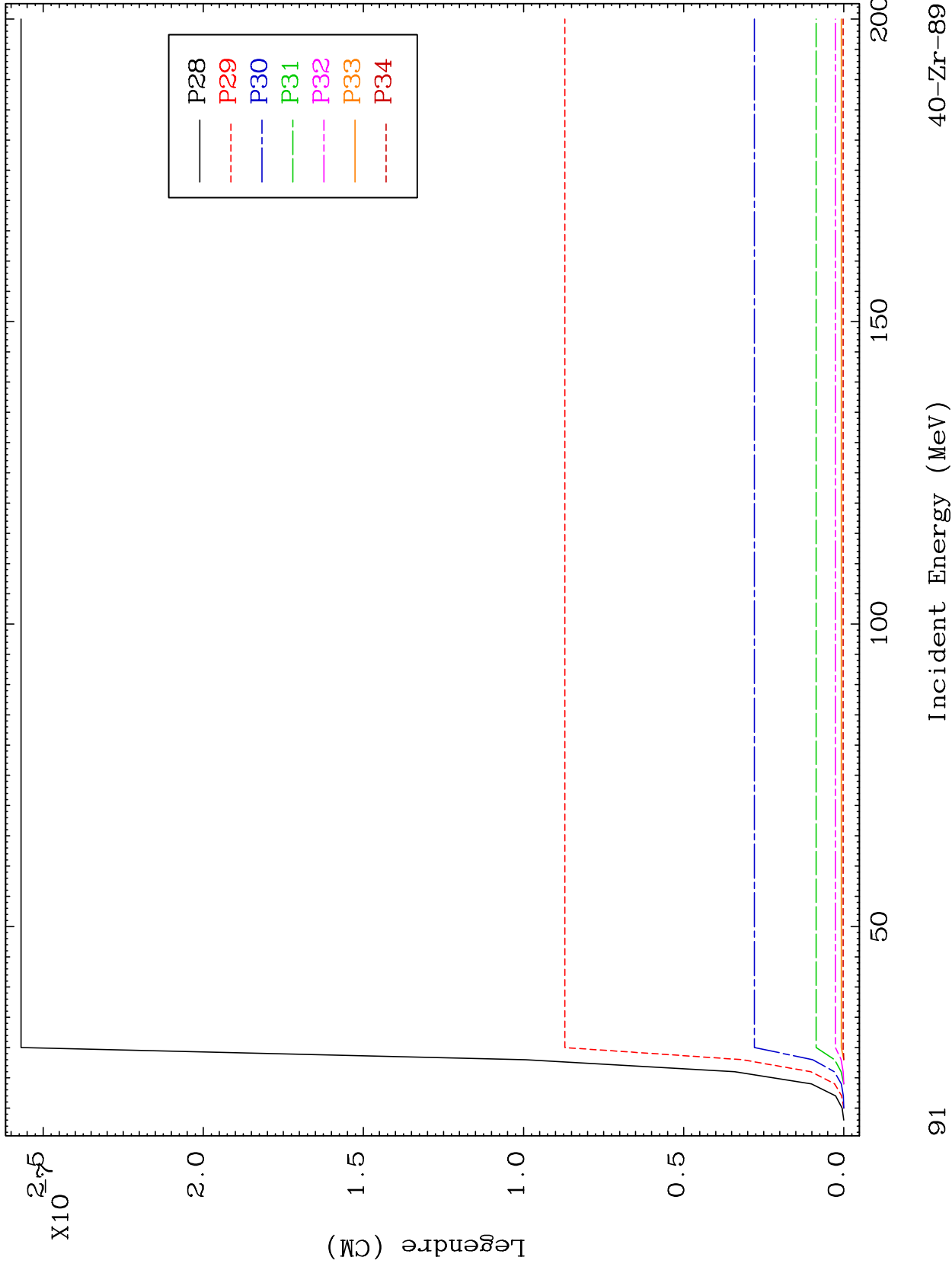
40-Zr-89

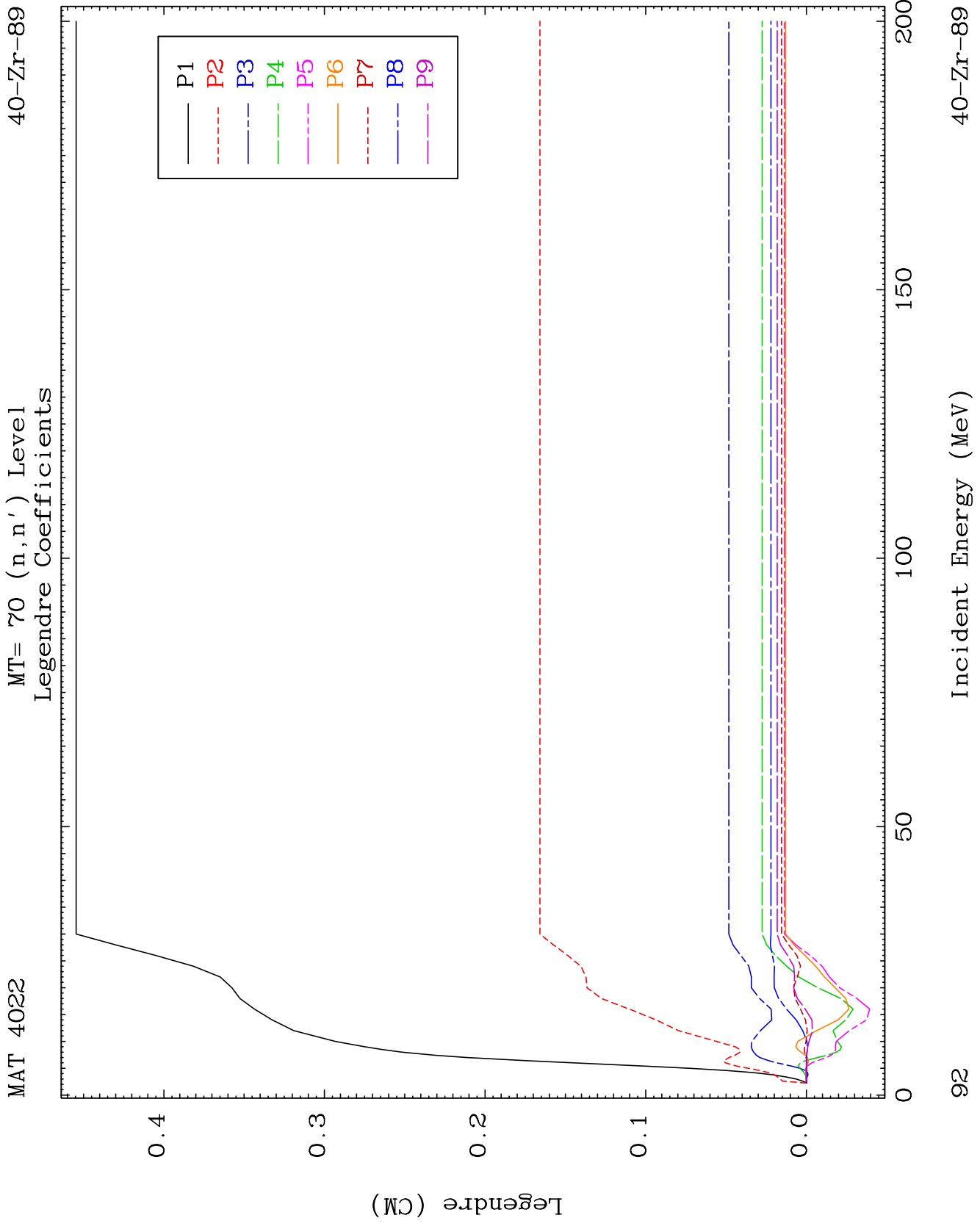


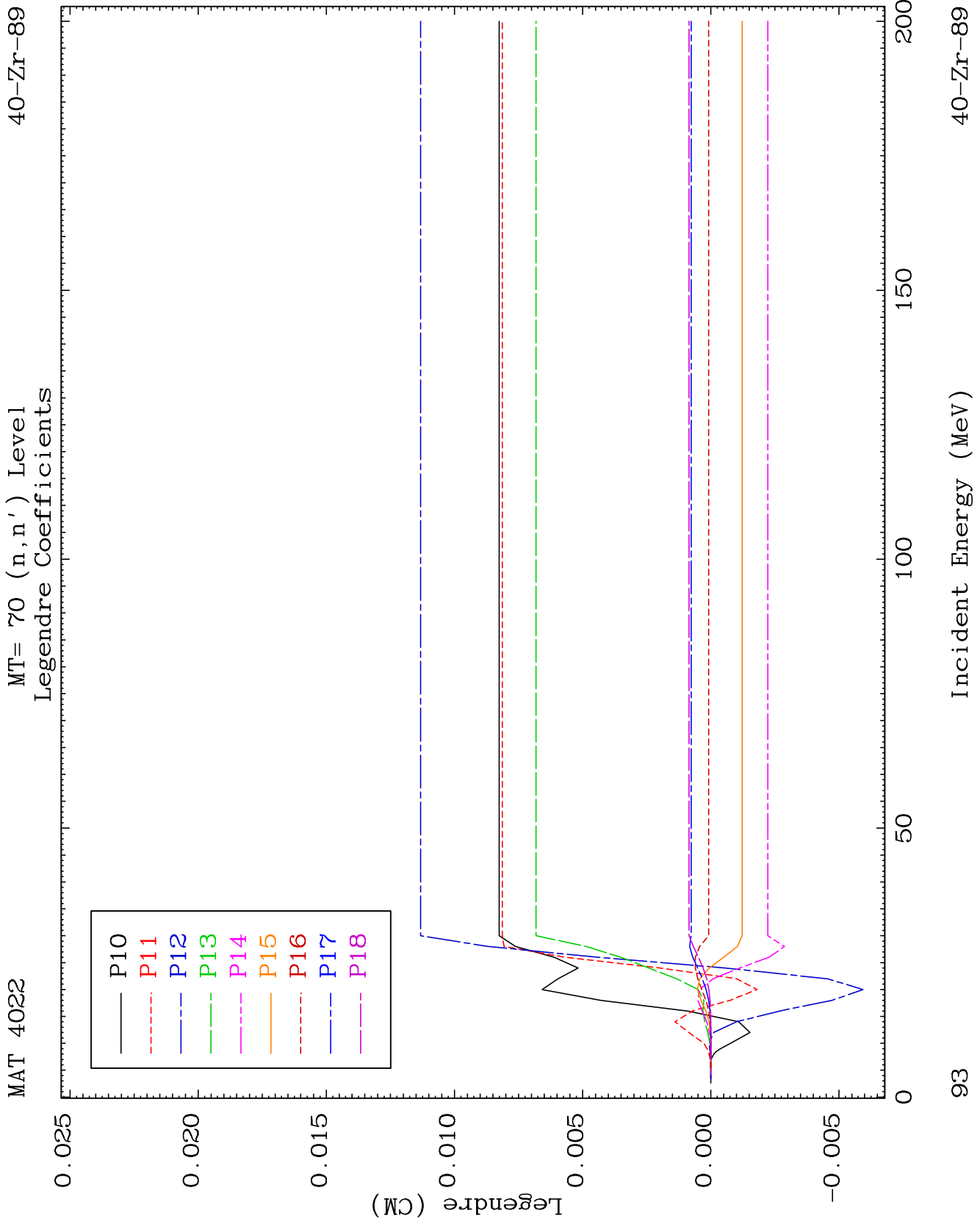
MAT 4022

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

40-Zr-89



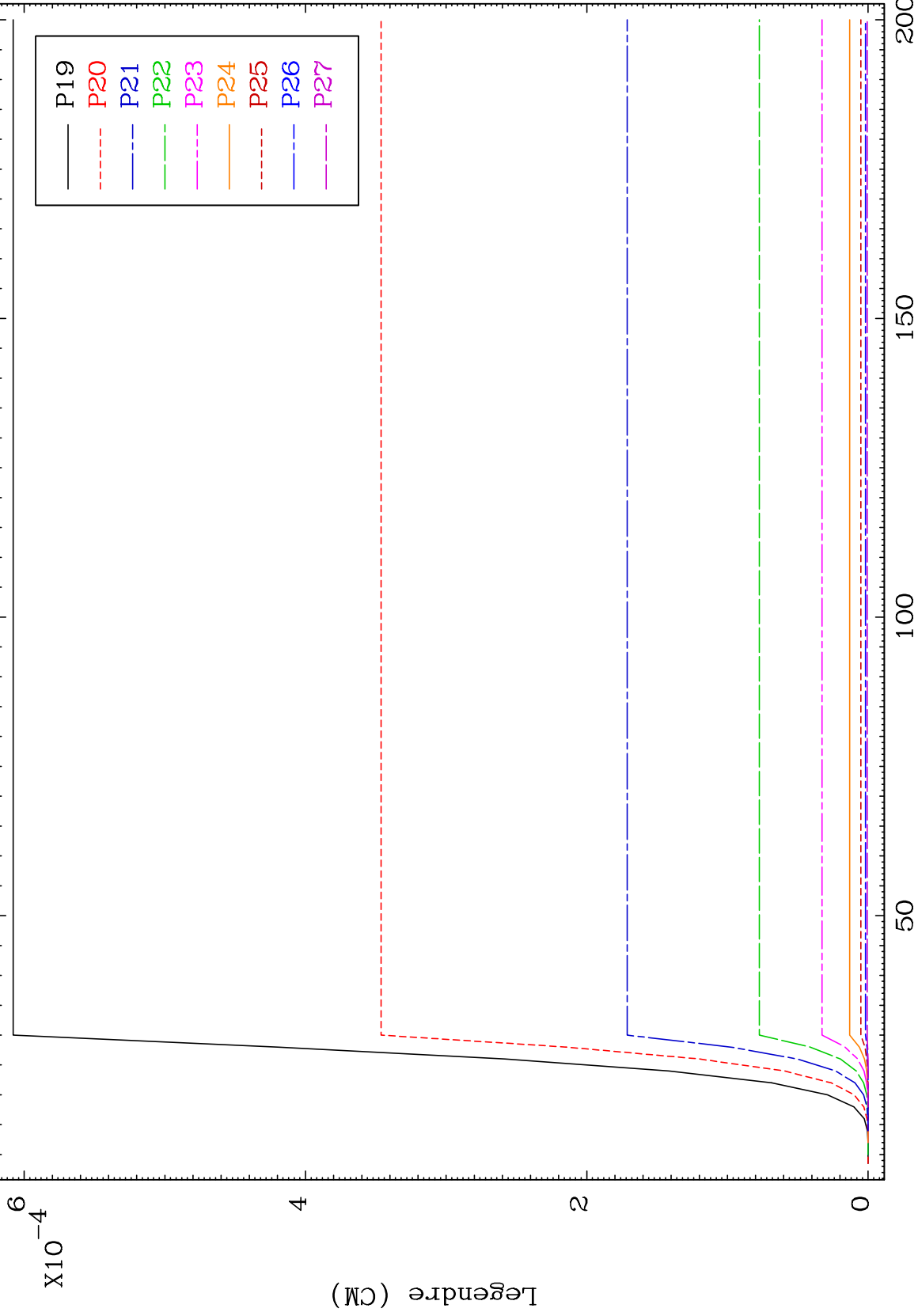




MAT 4022

MT= 70 (n,n') Level  
Legendre Coefficients

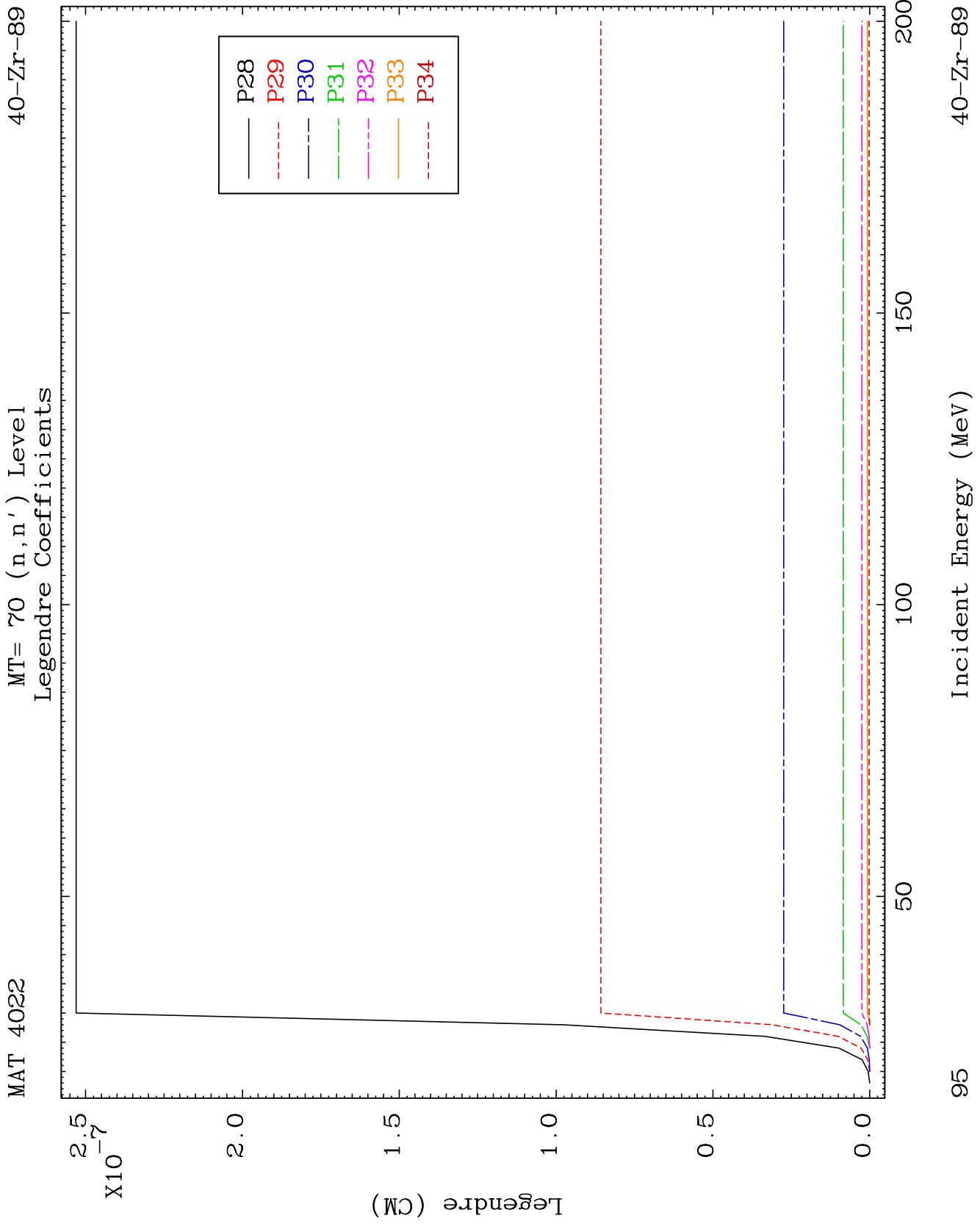
40-Zr-89

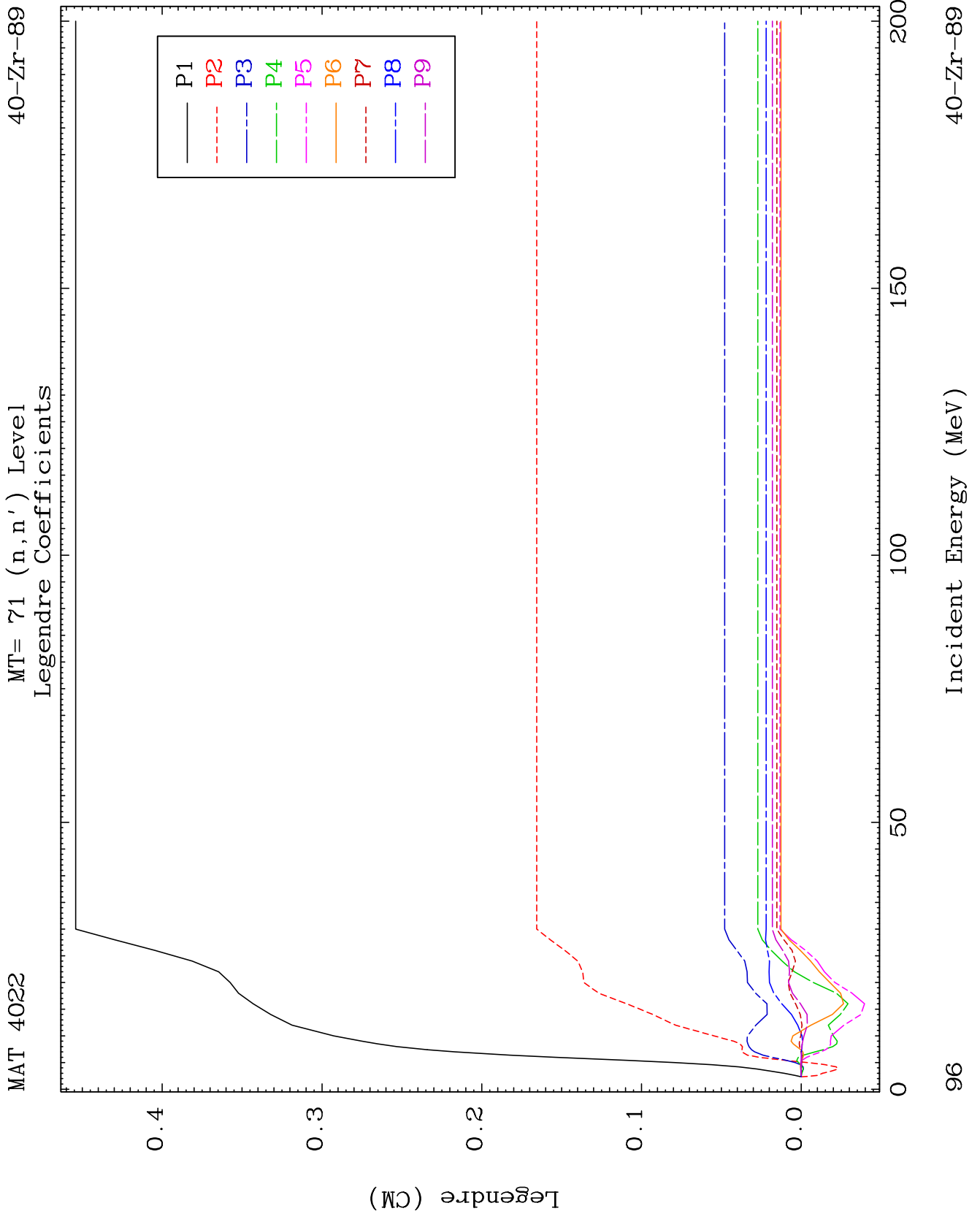


94

Incident Energy (MeV)

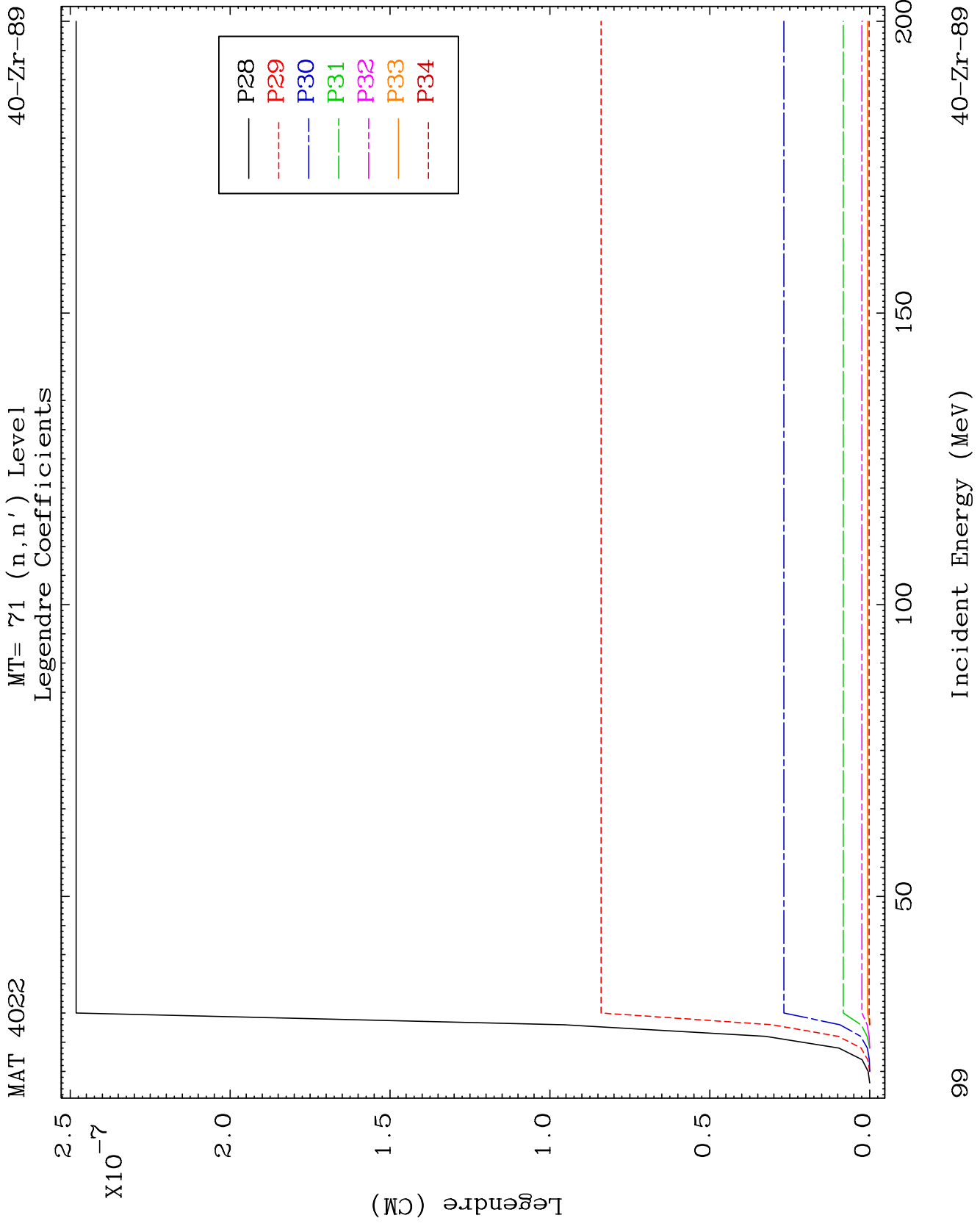
40-Zr-89

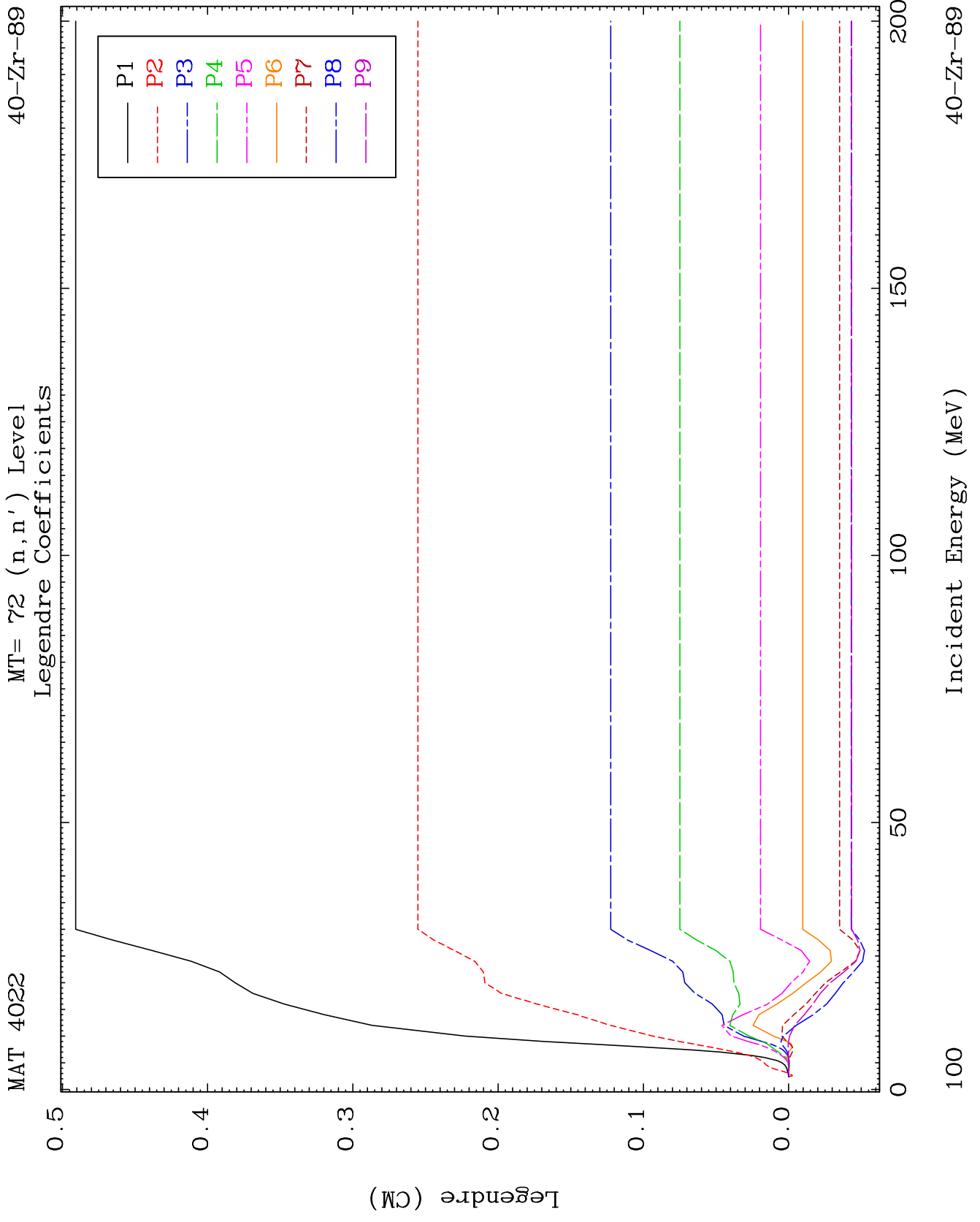


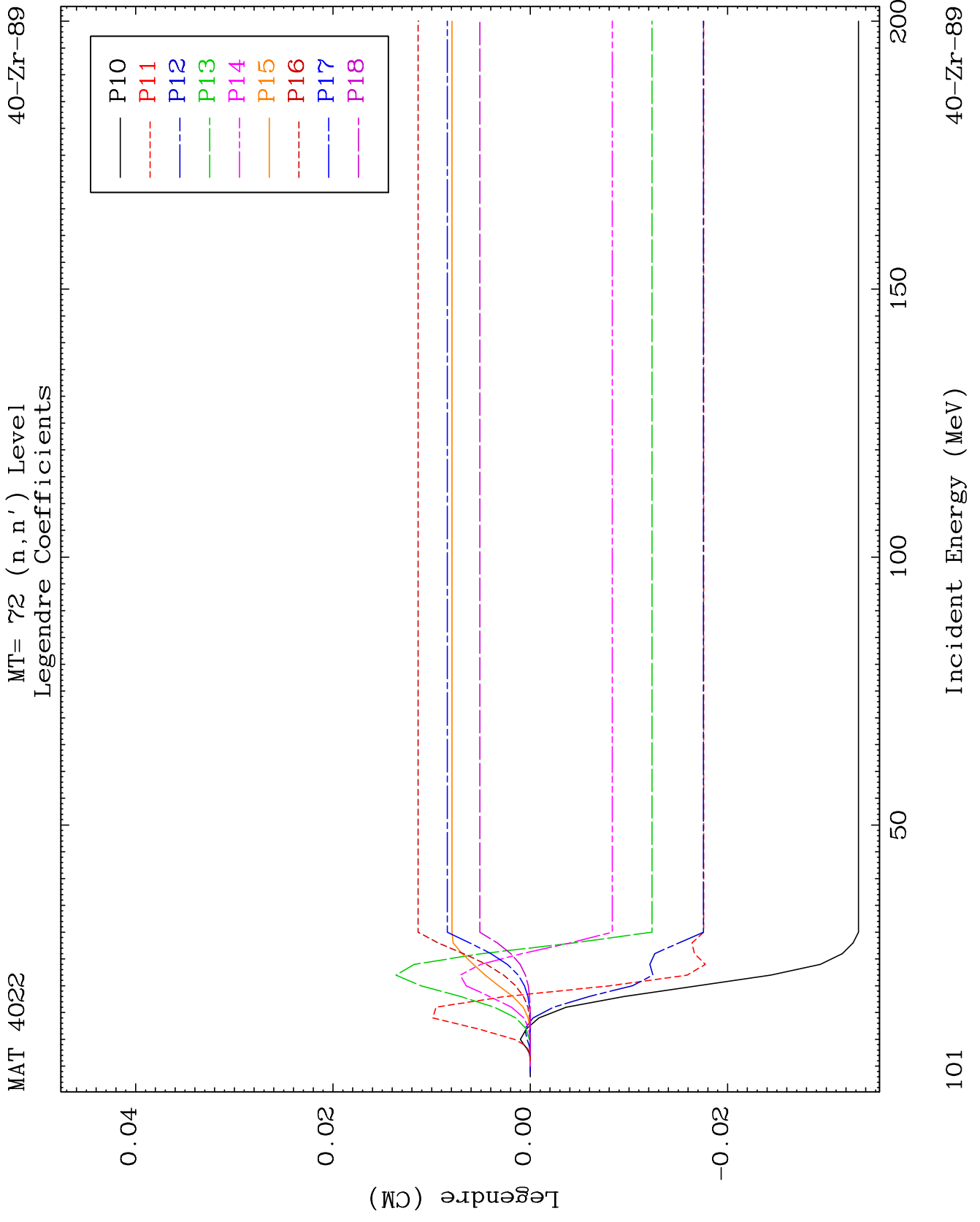


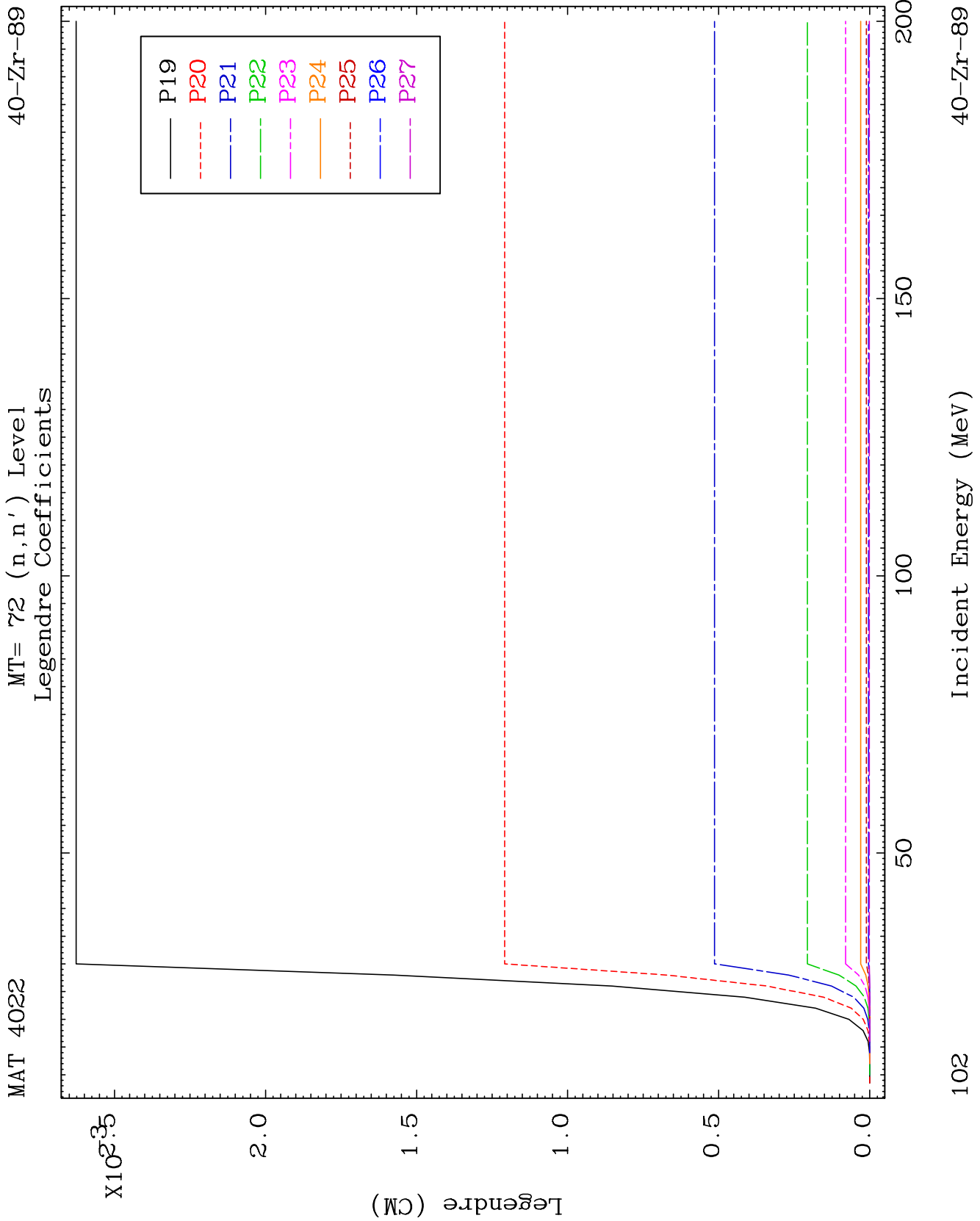


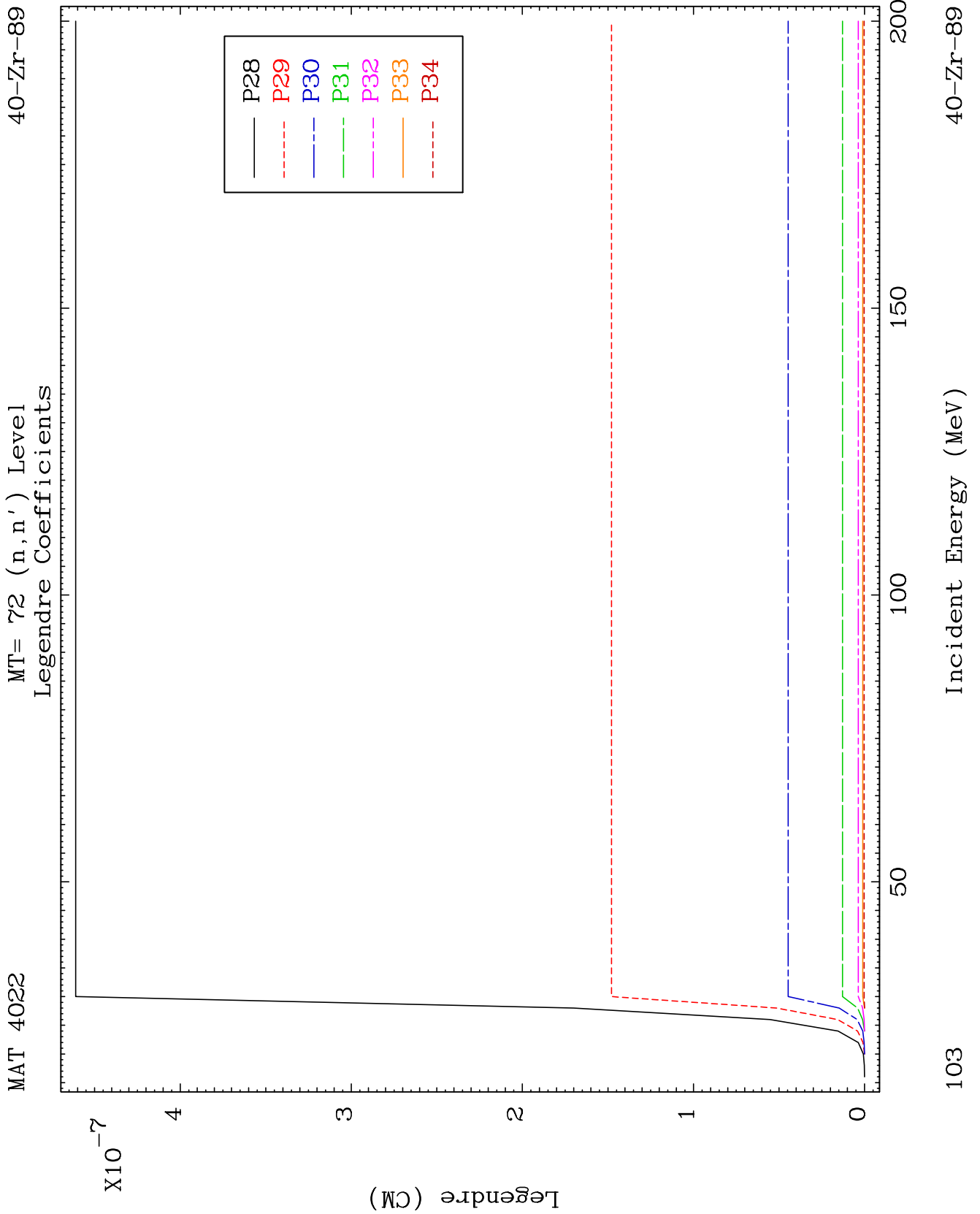








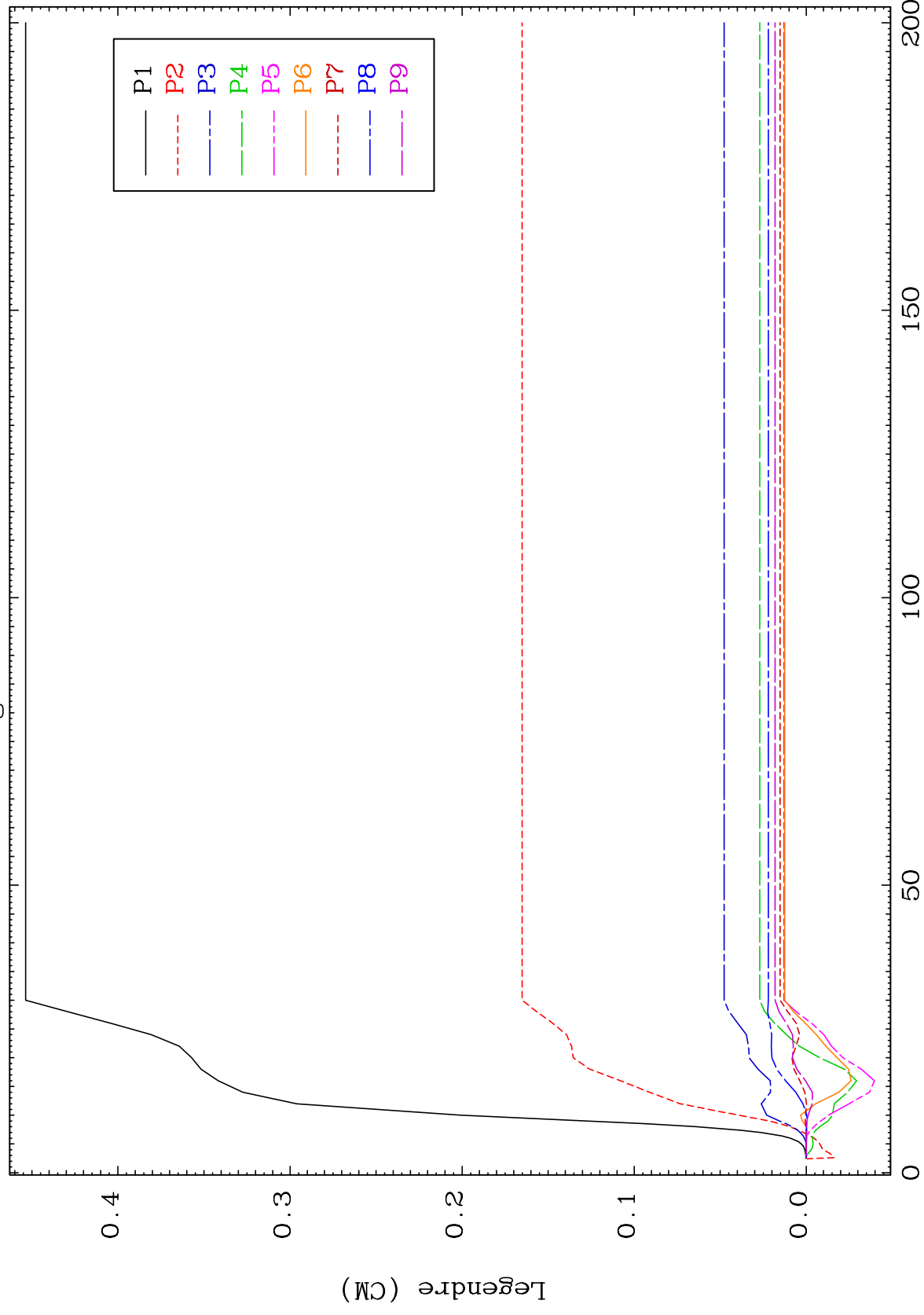




MAT 4022

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

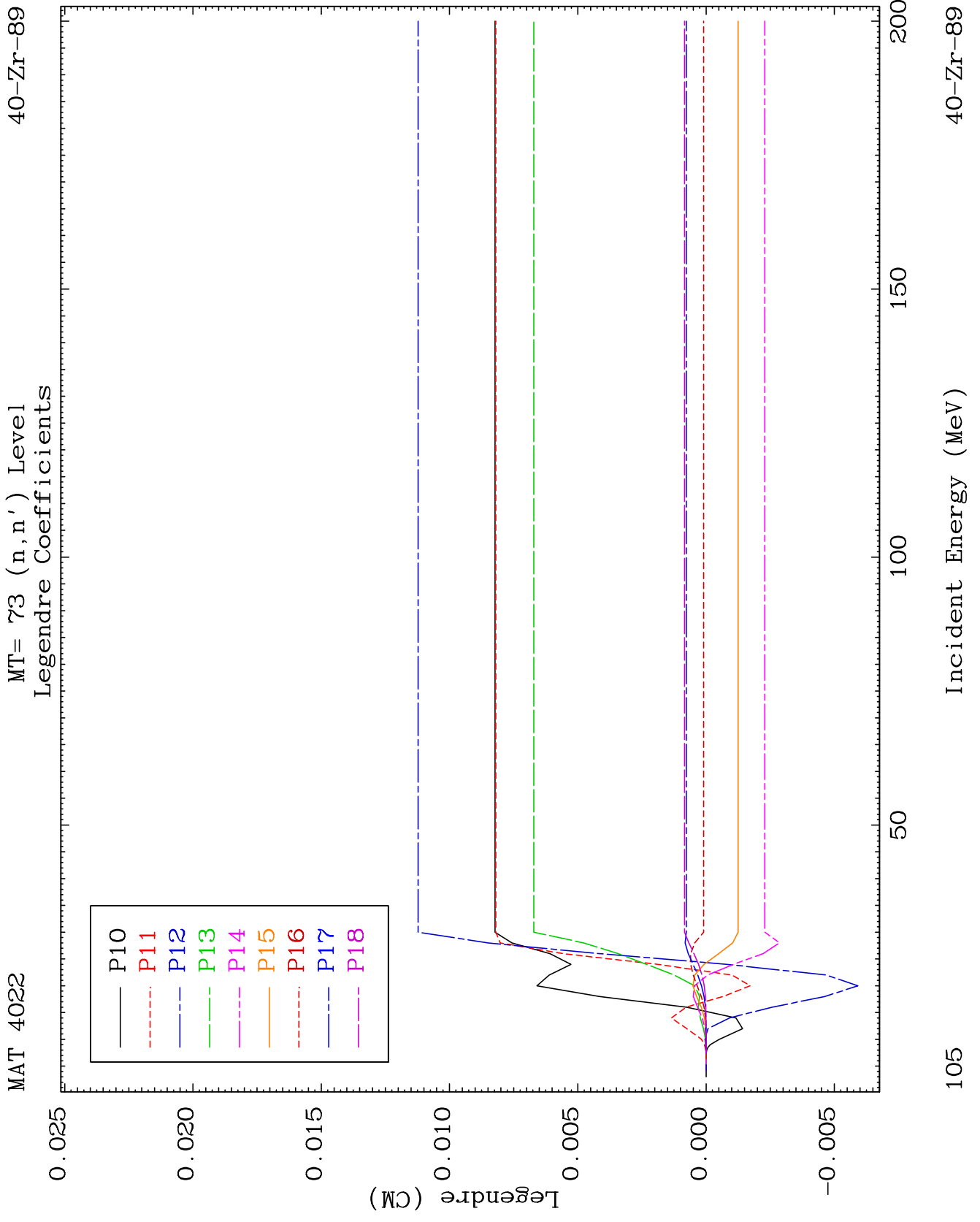
40-Zr-89

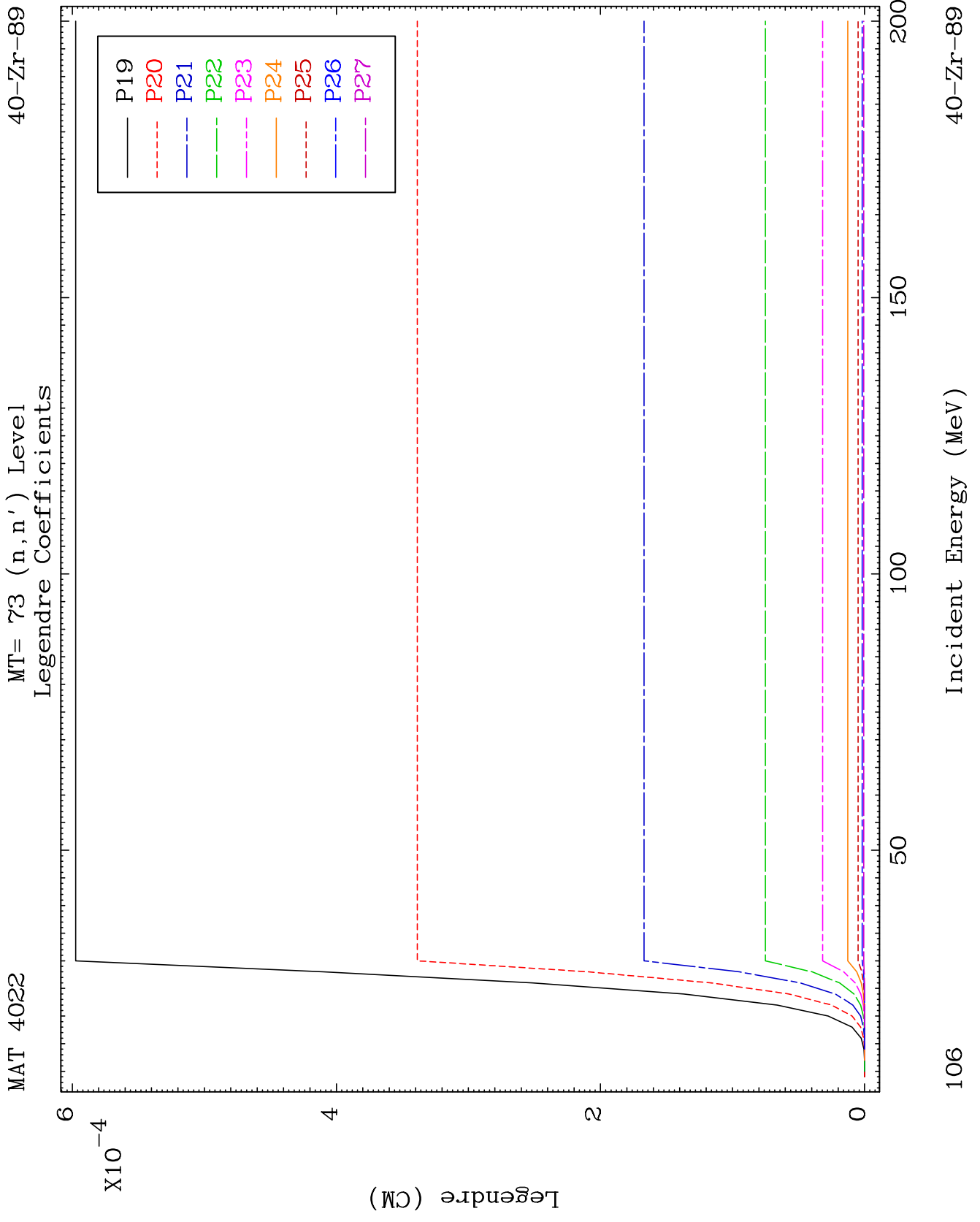


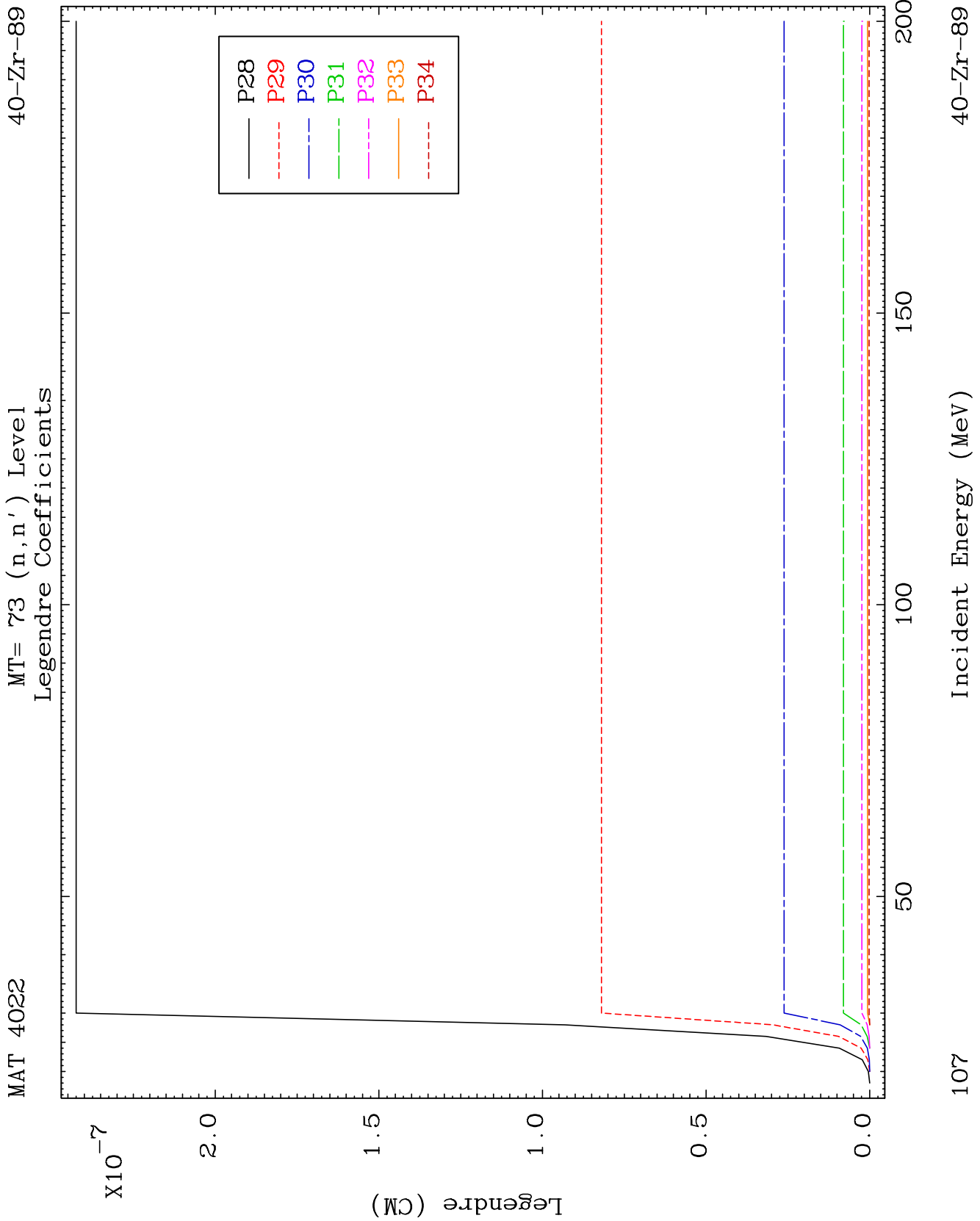
40-Zr-89

Incident Energy (MeV)

104

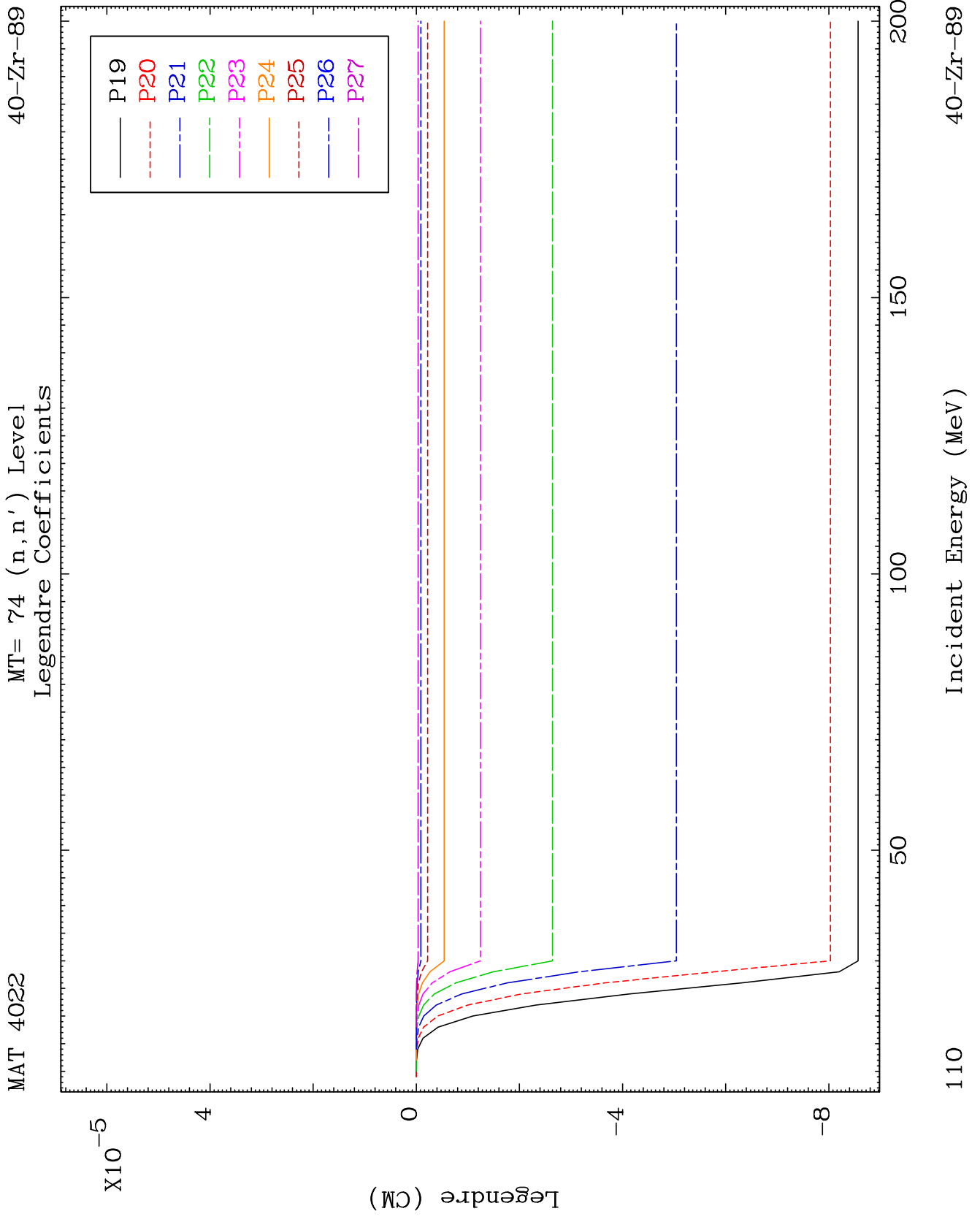


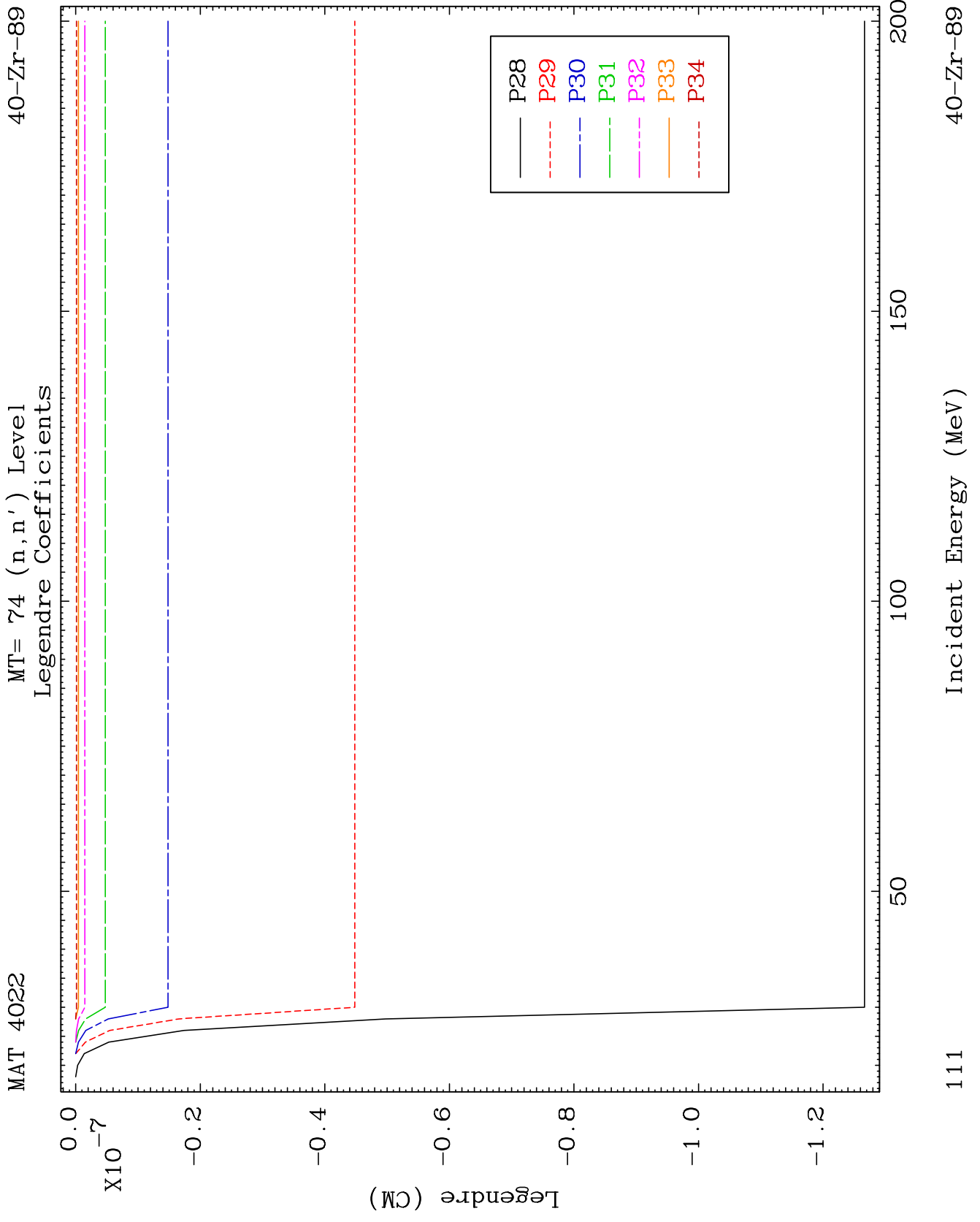


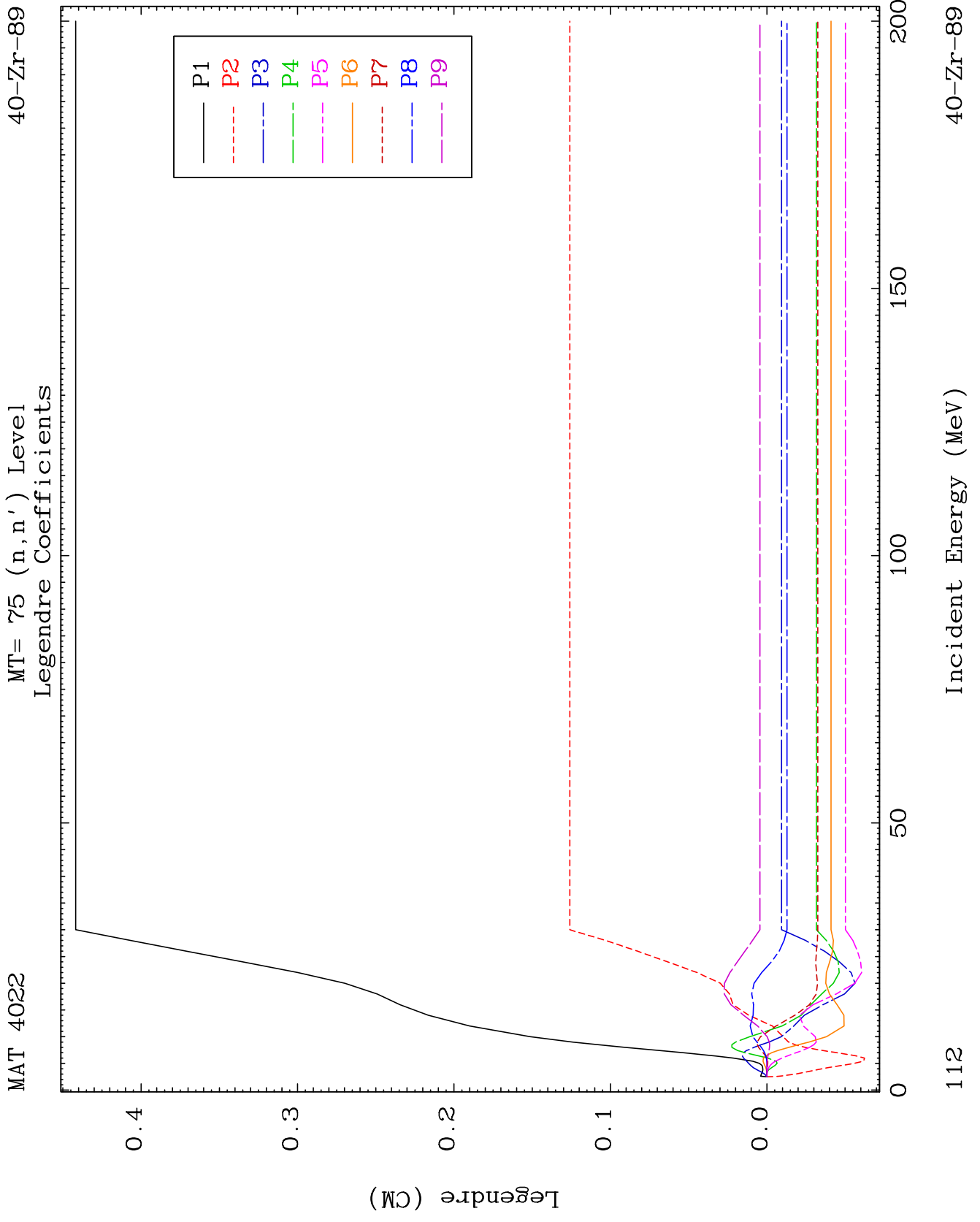


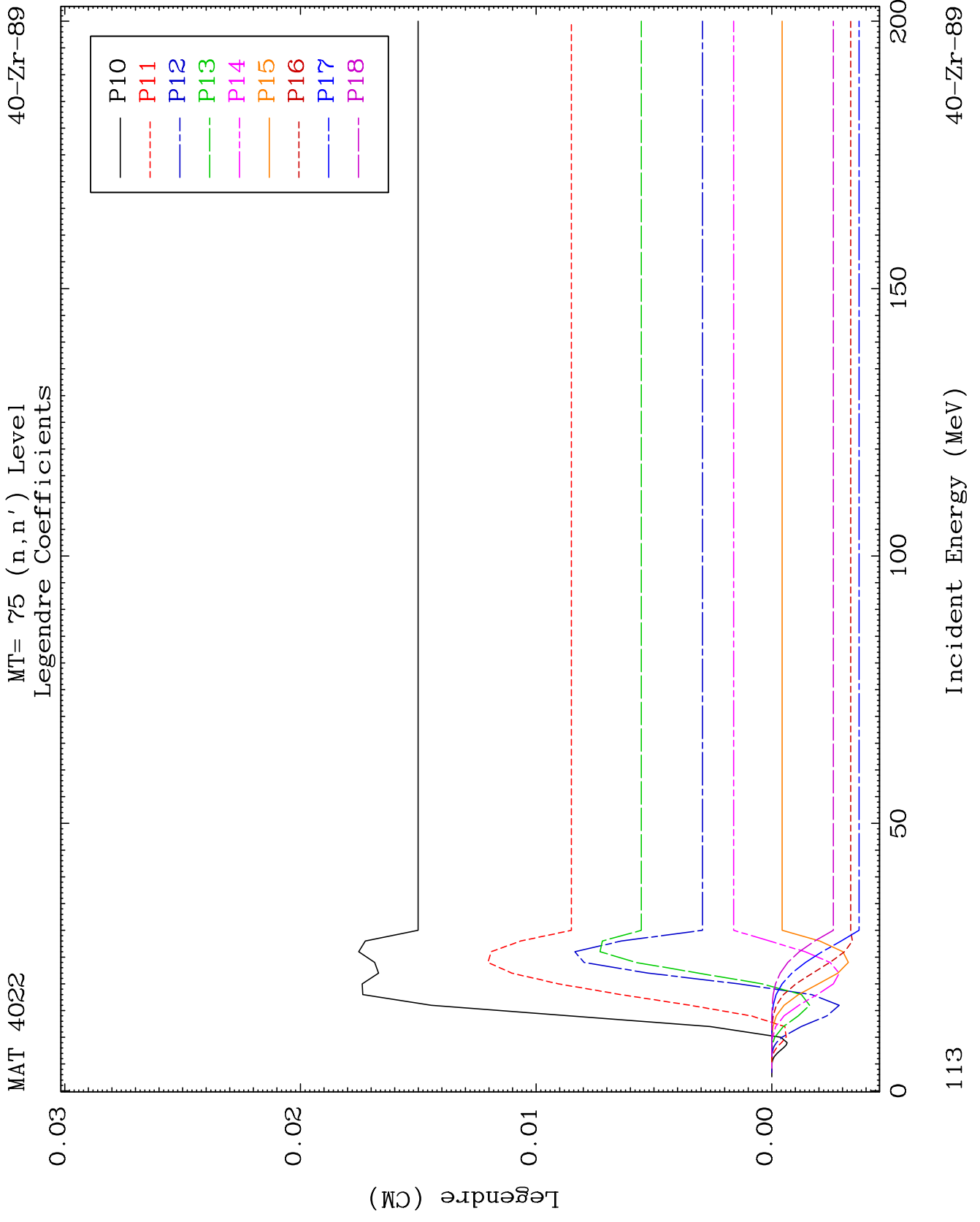


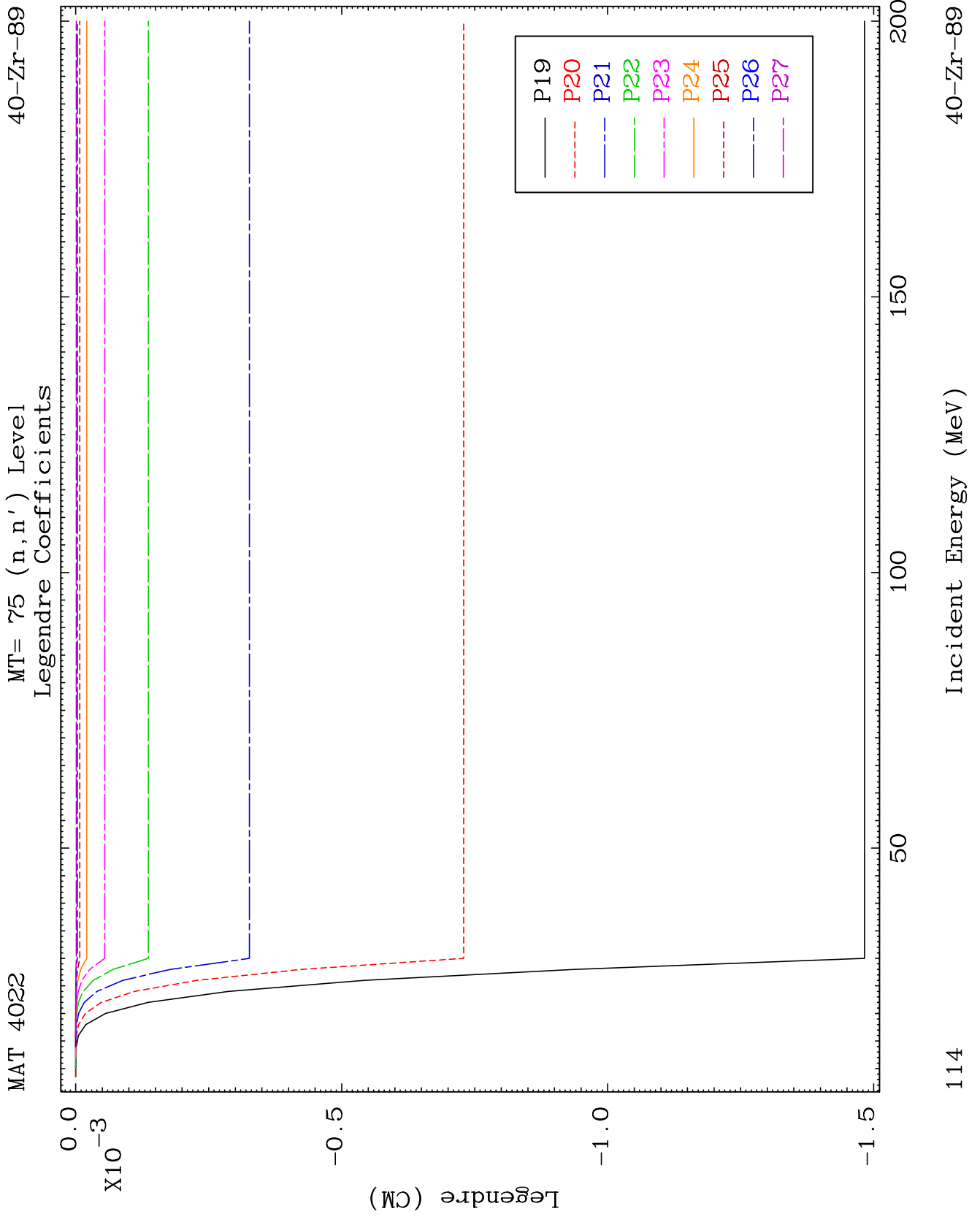


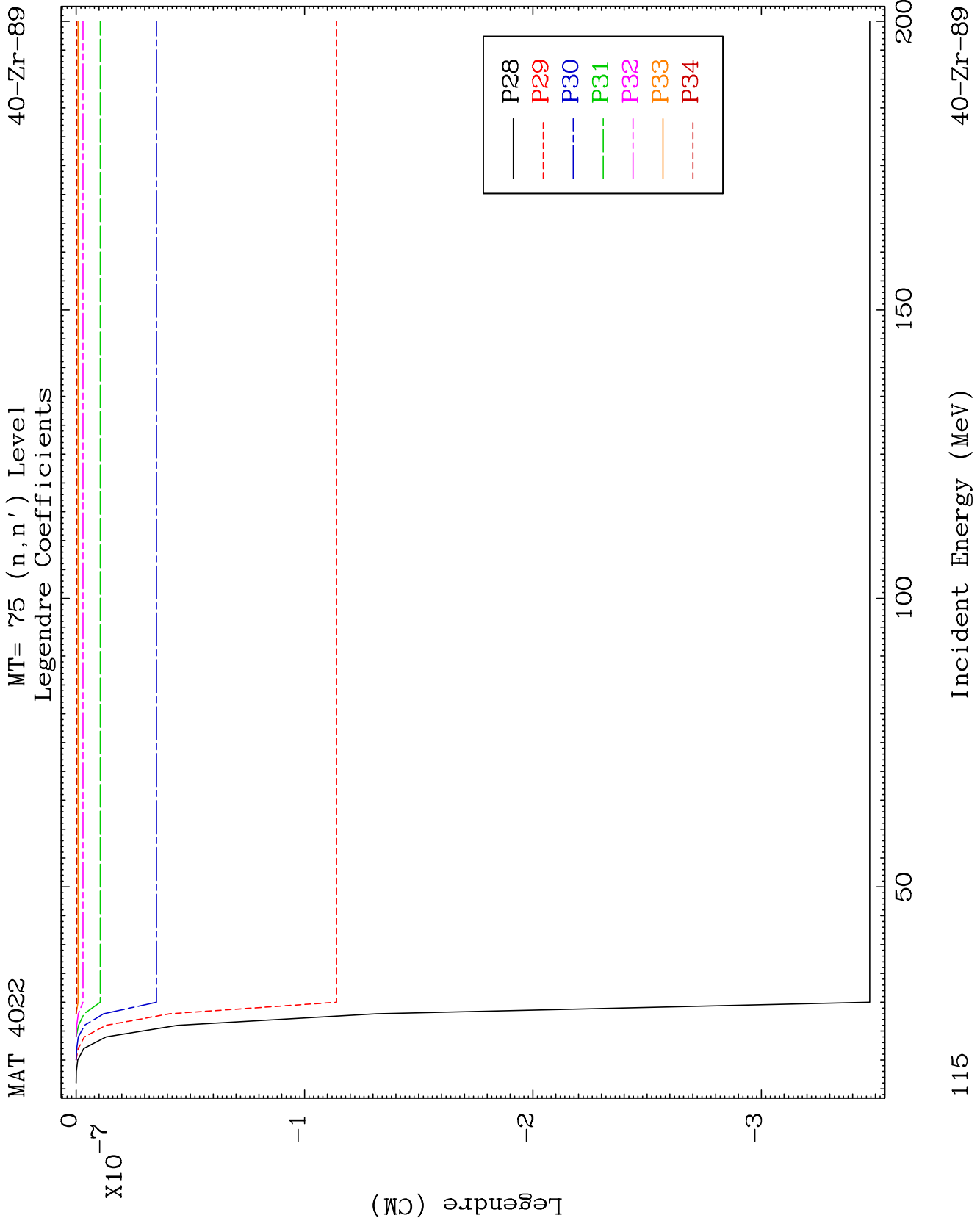


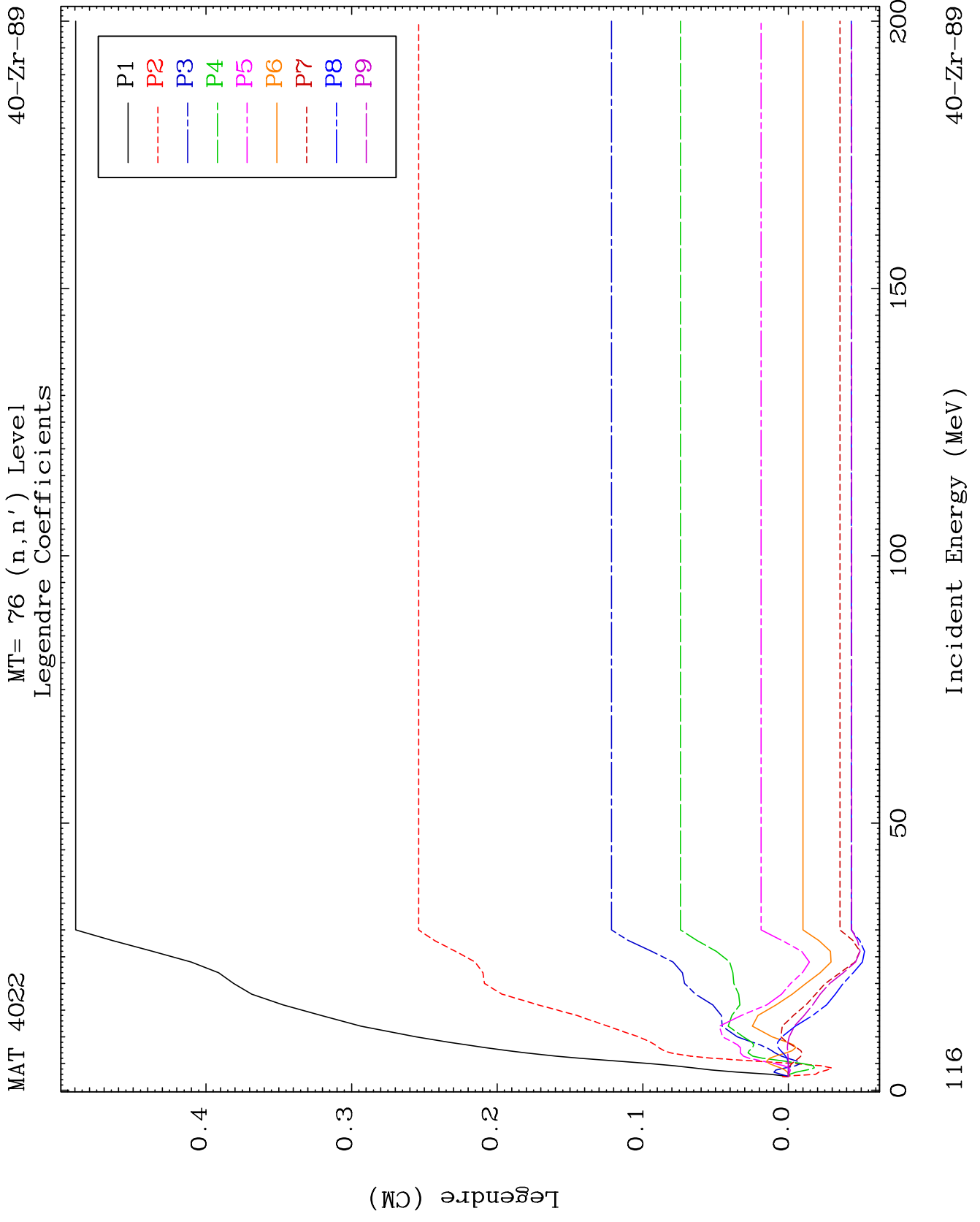


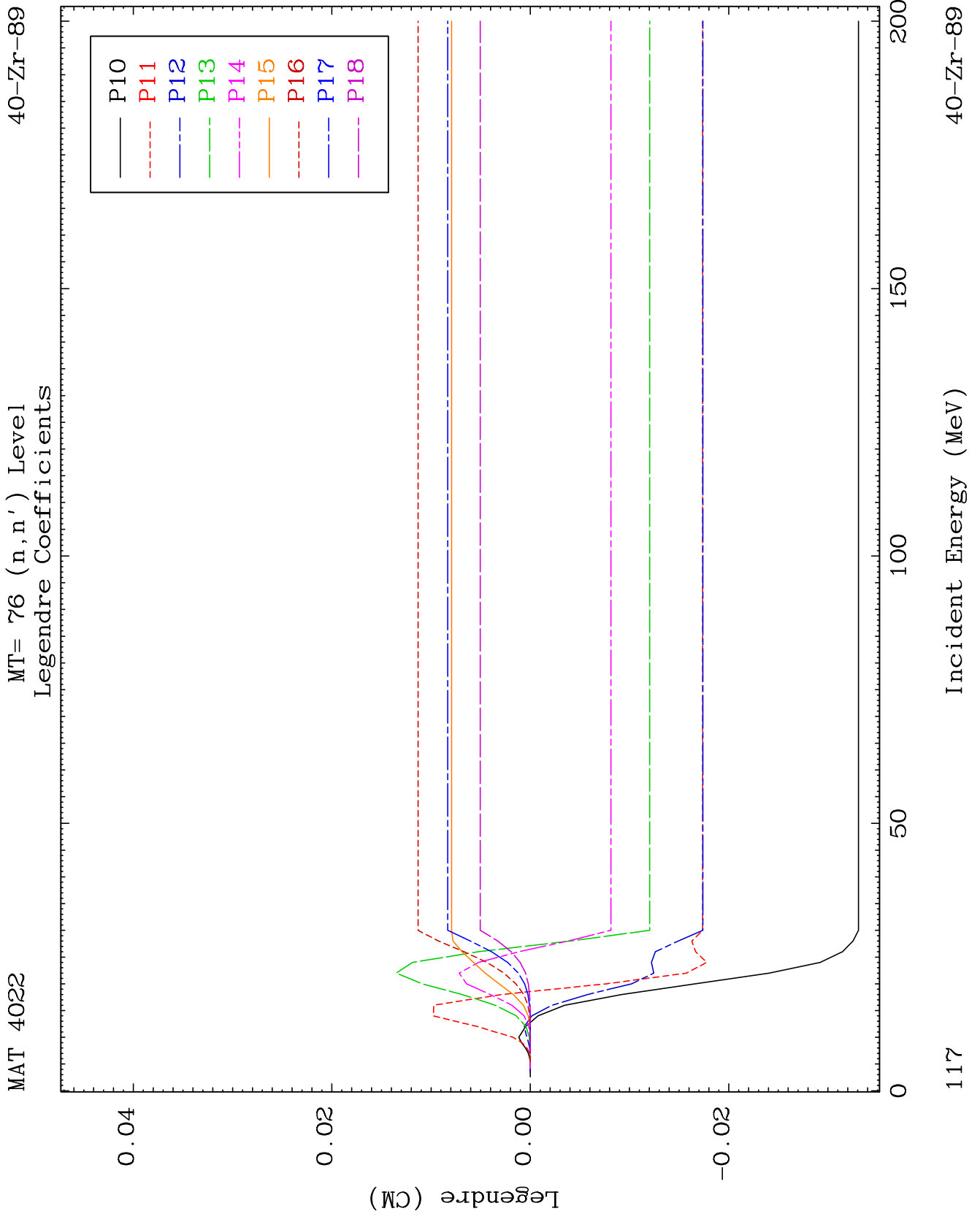








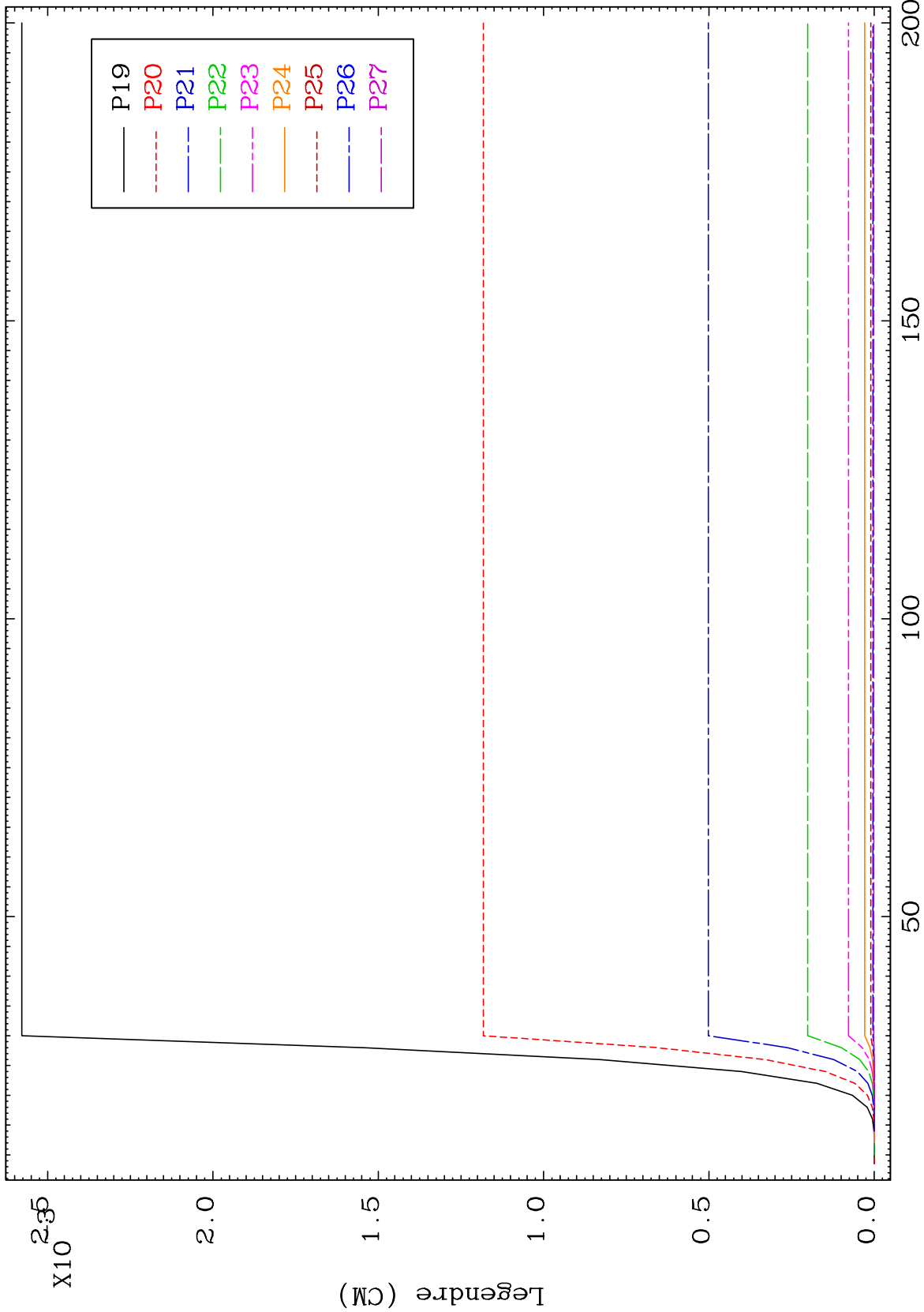




MAT 4022

MT= 76 (n,n') Level  
Legendre Coefficients

40-Zr-89



118

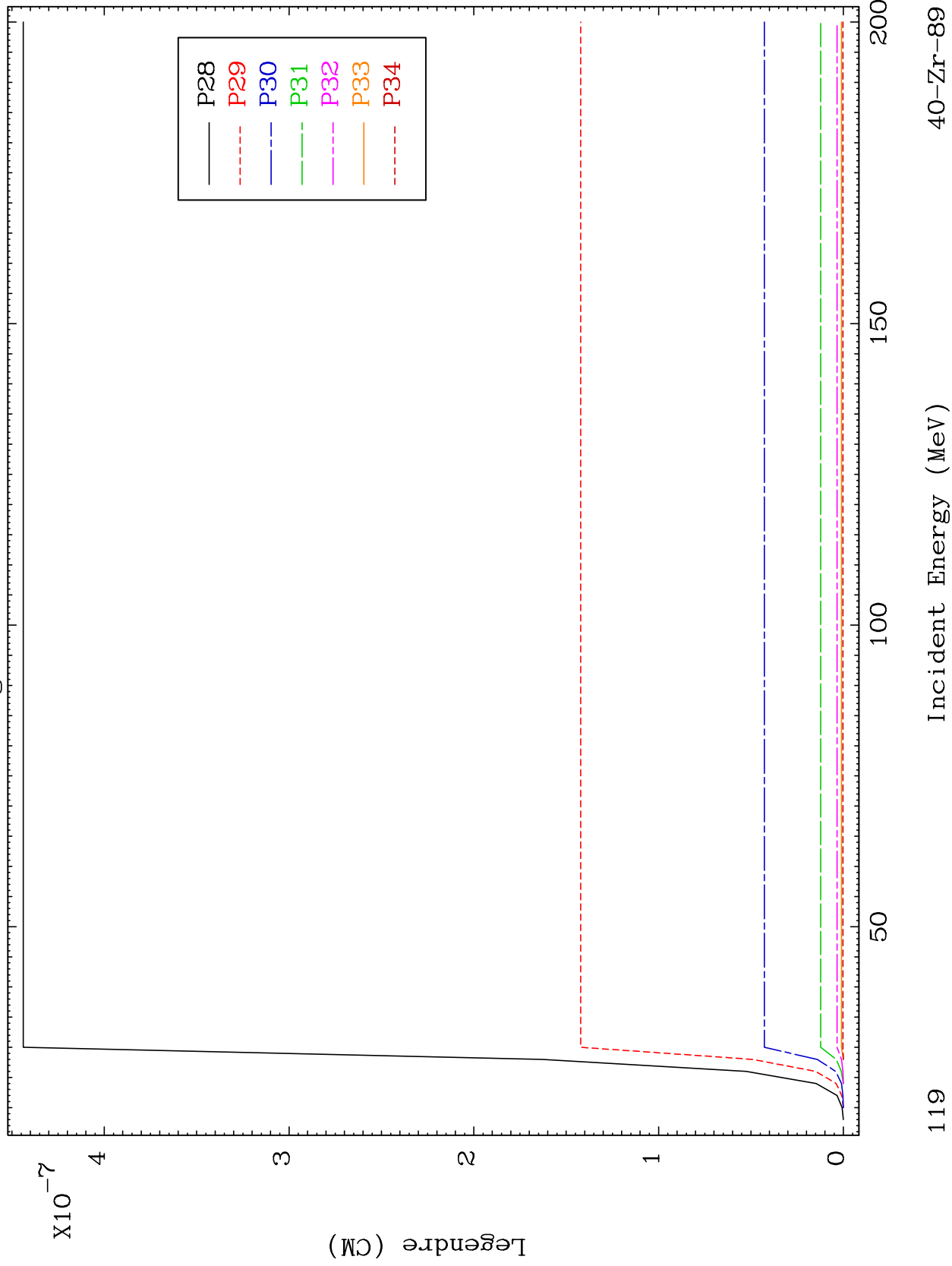
Incident Energy (MeV)

40-Zr-89

MAT 4022

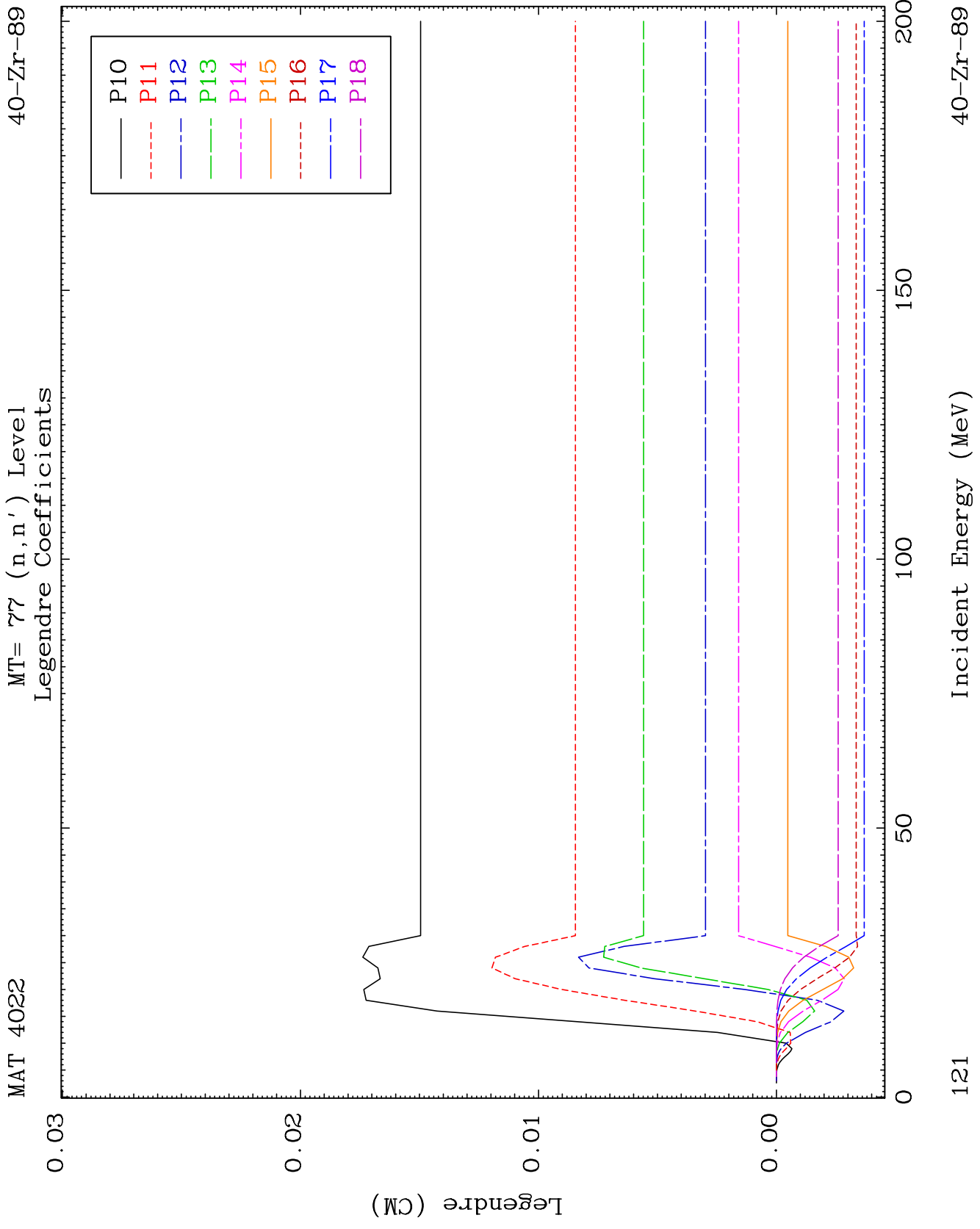
MT= 76 (n,n') Level  
Legendre Coefficients

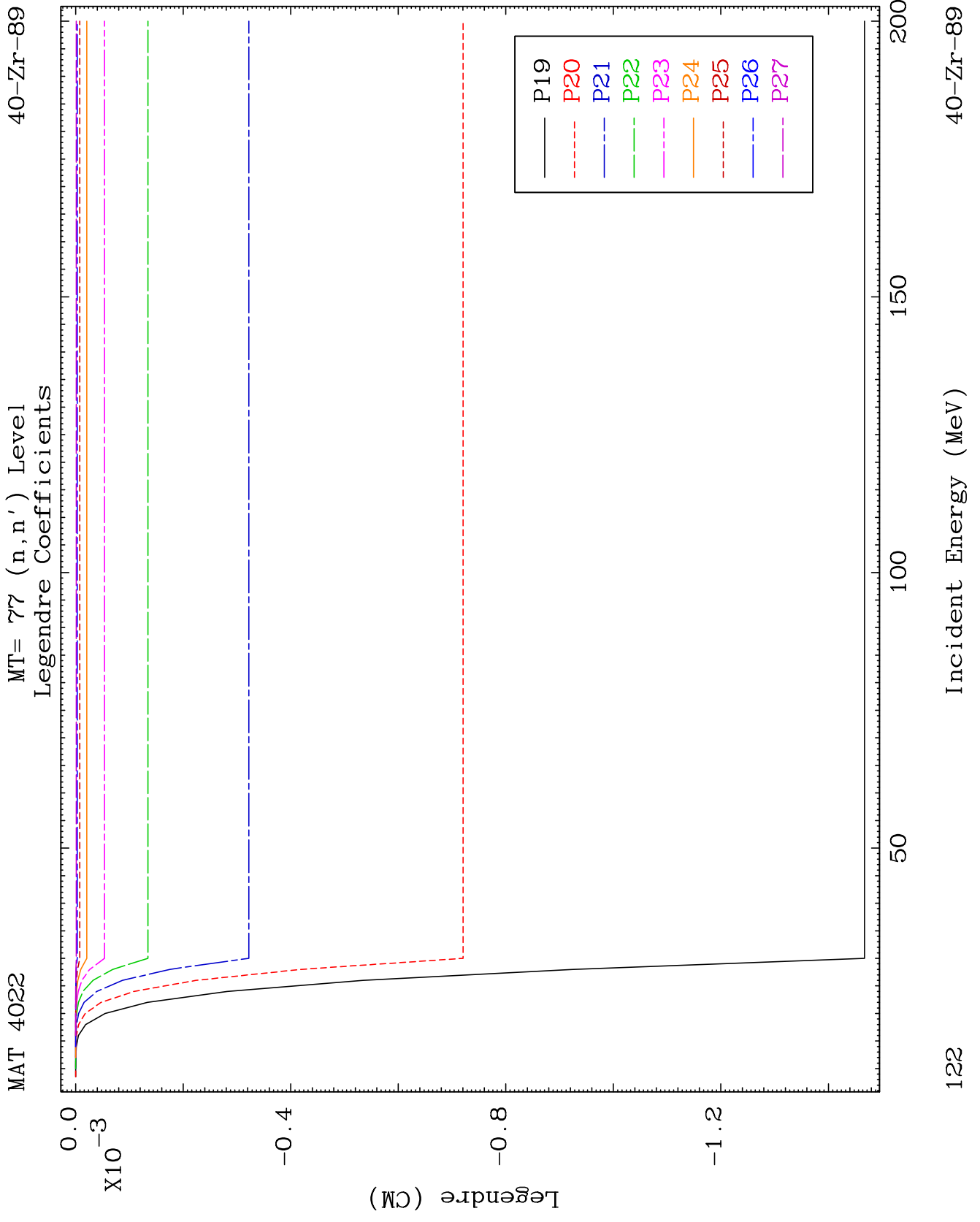
40-Zr-89

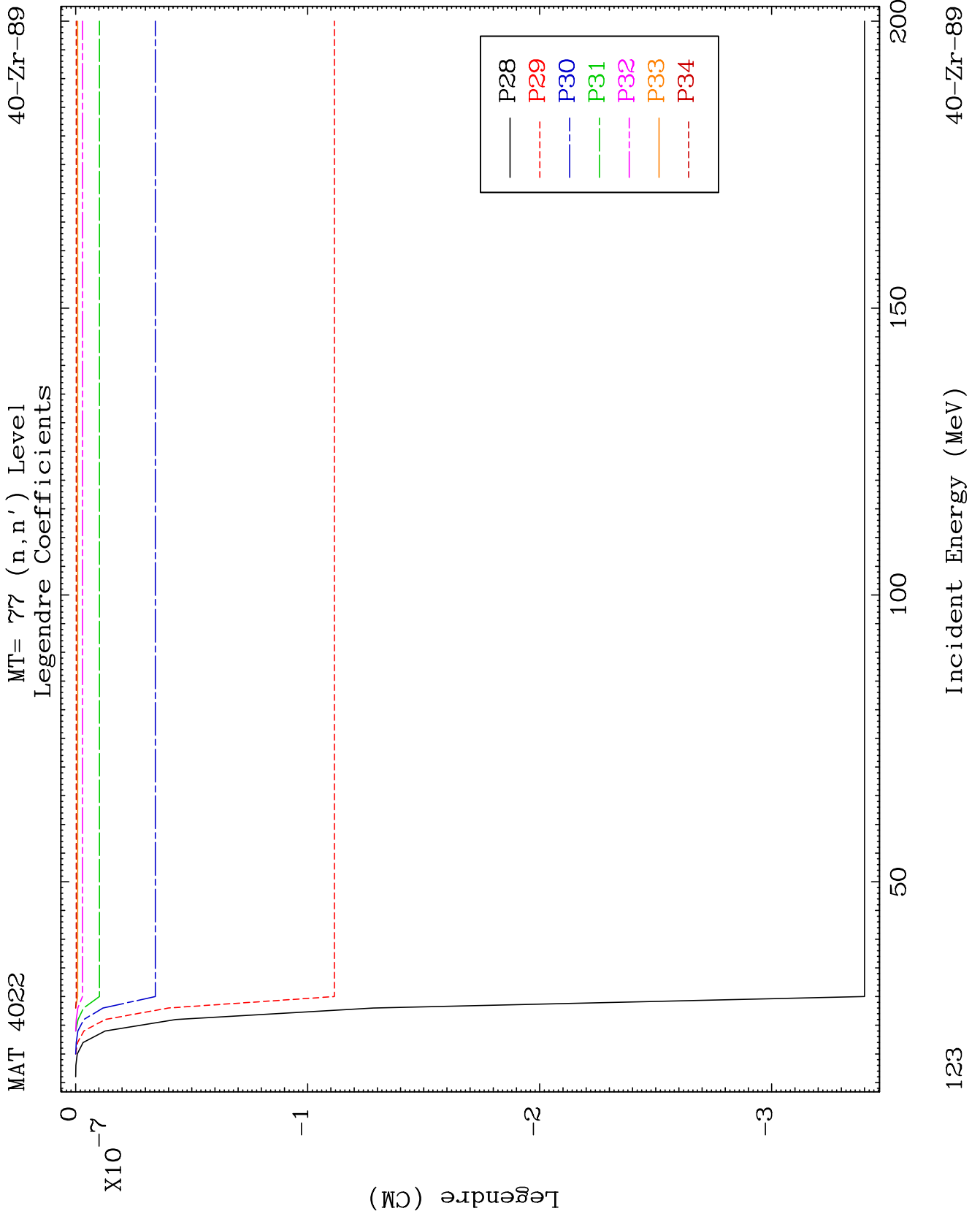


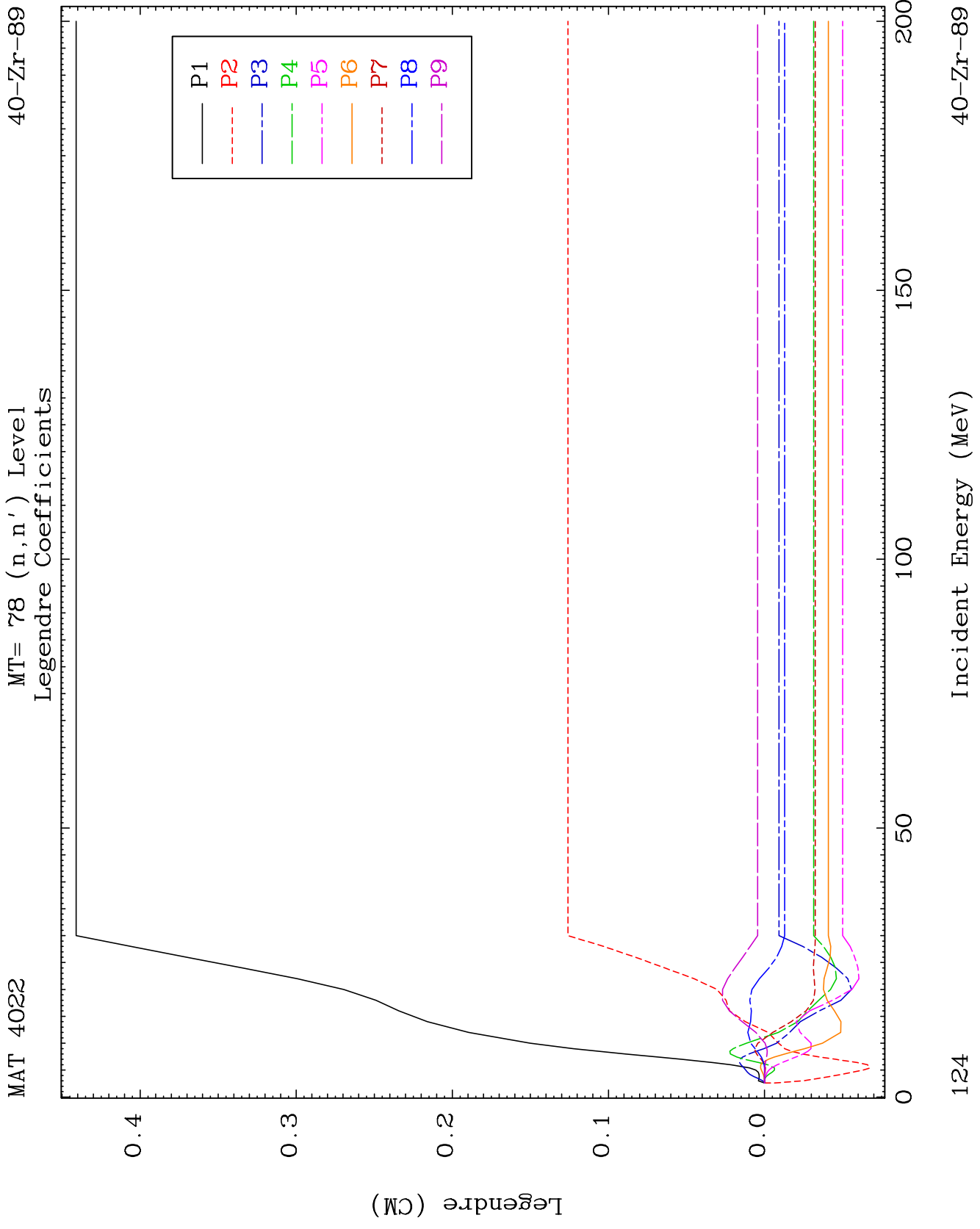
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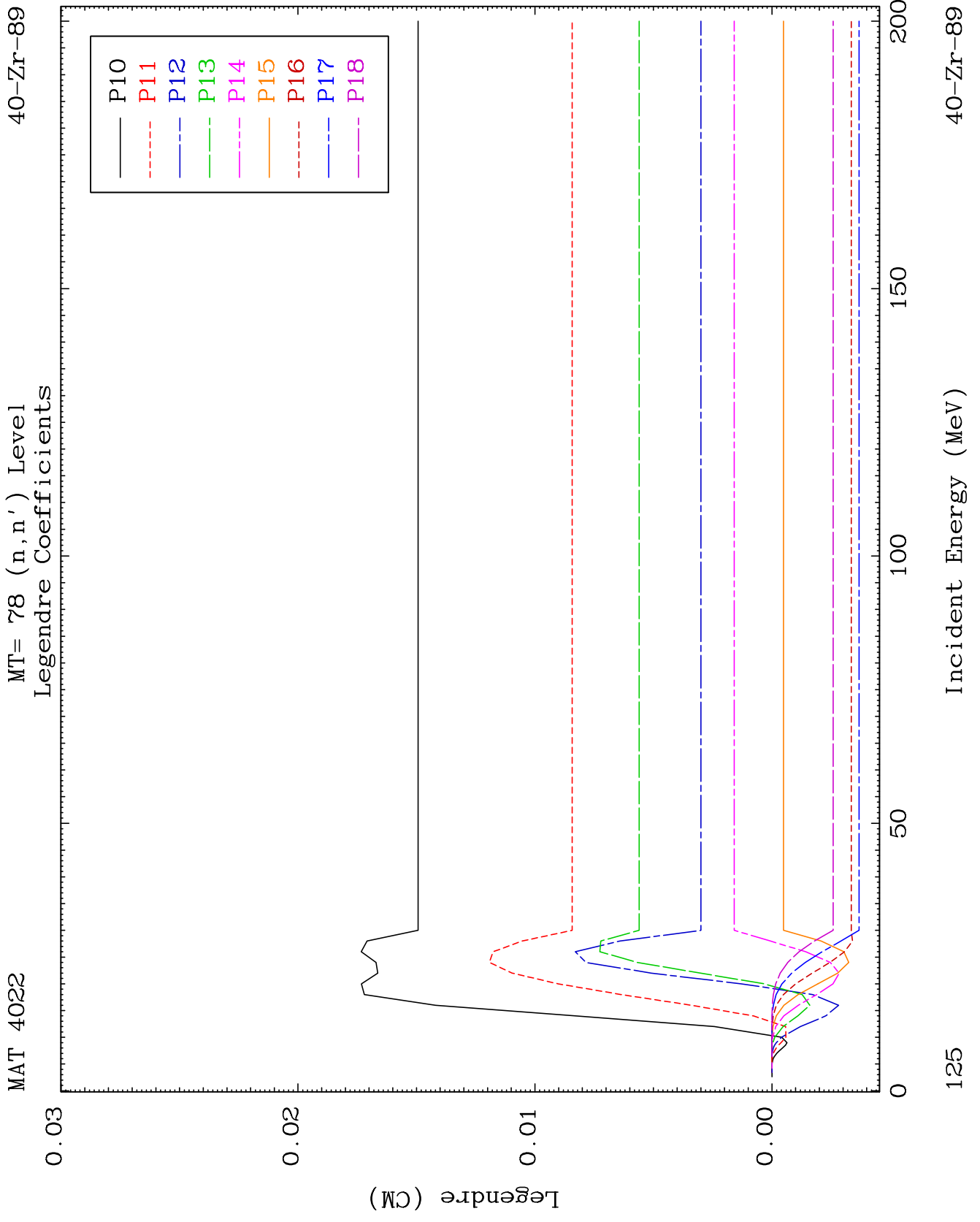


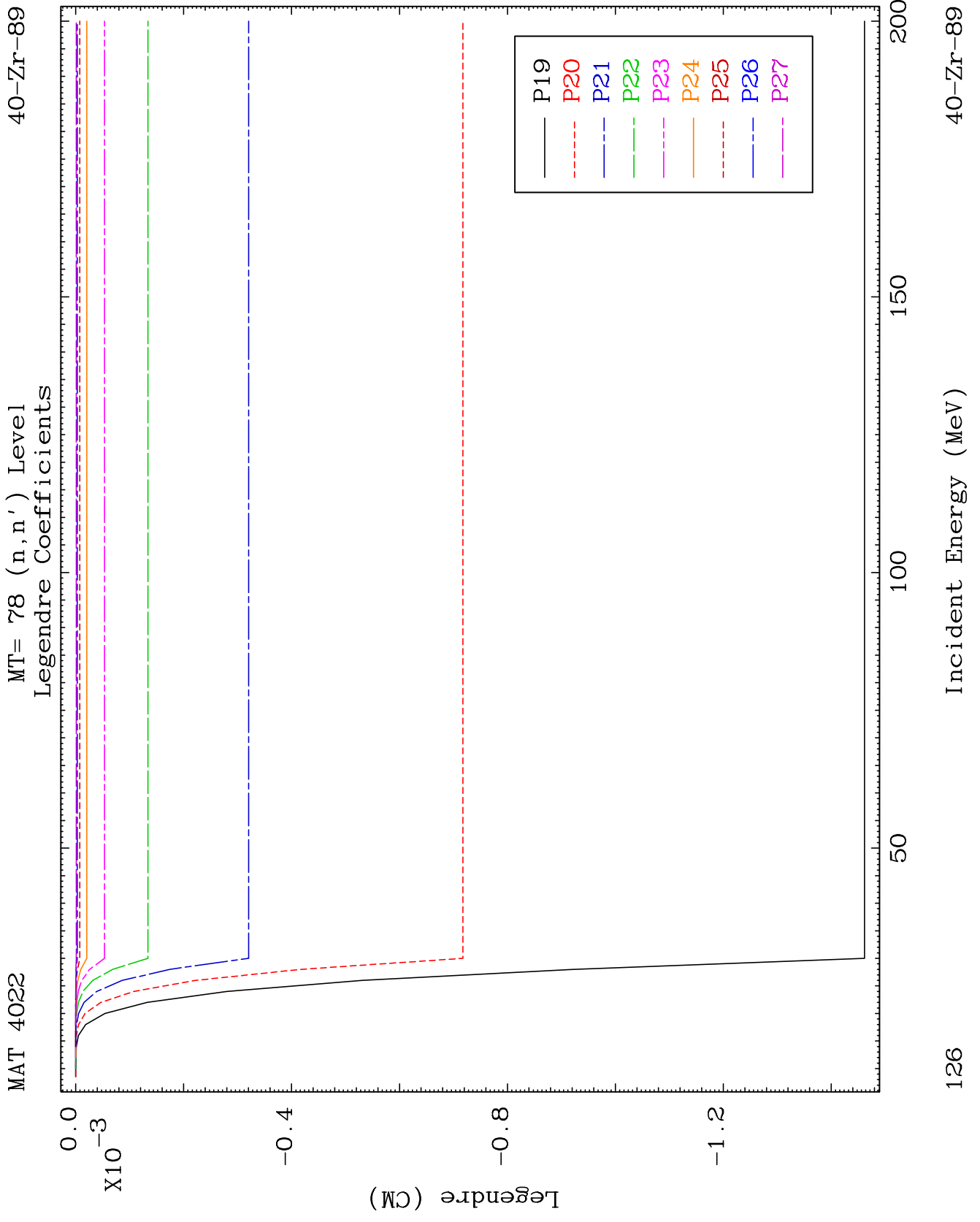


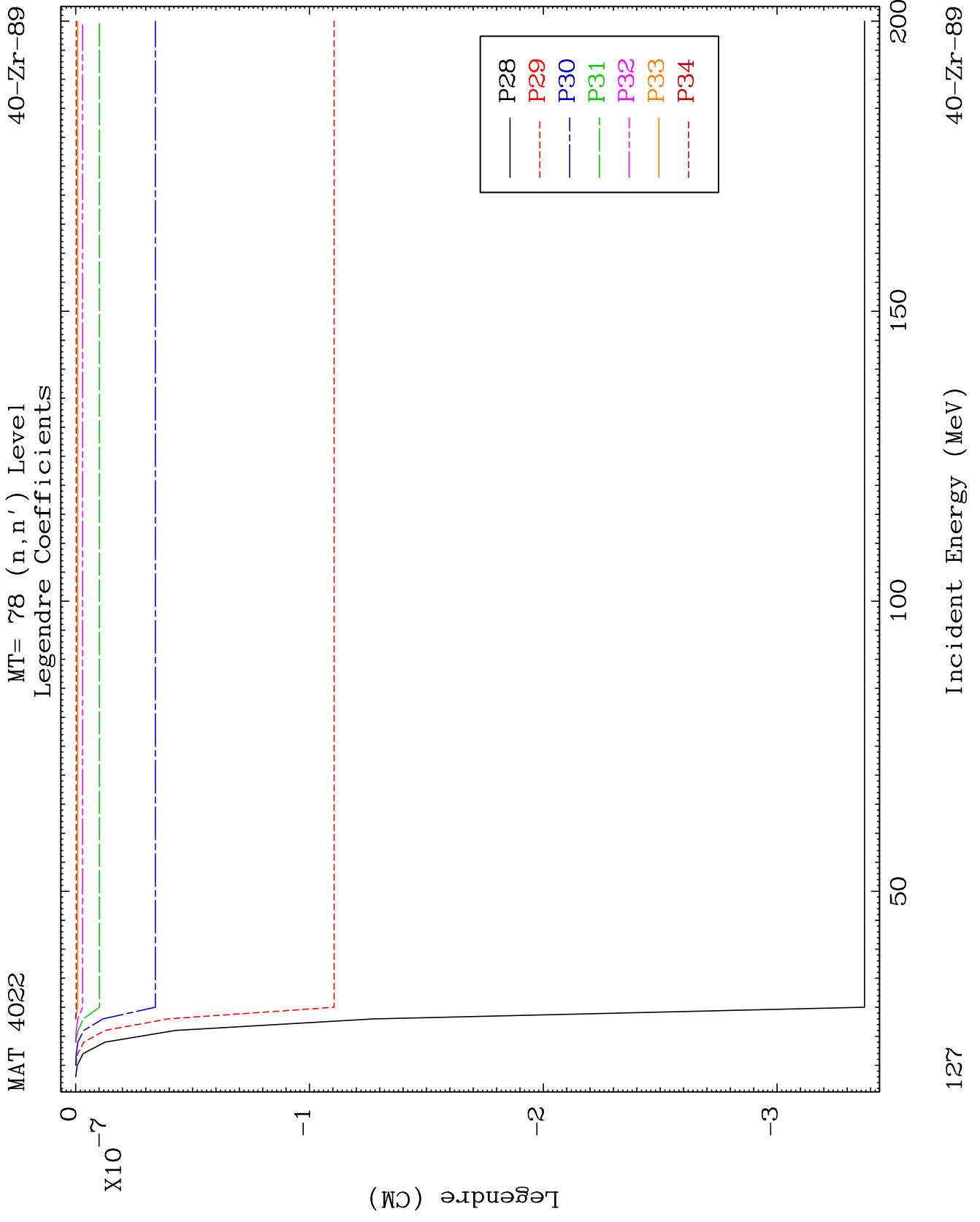


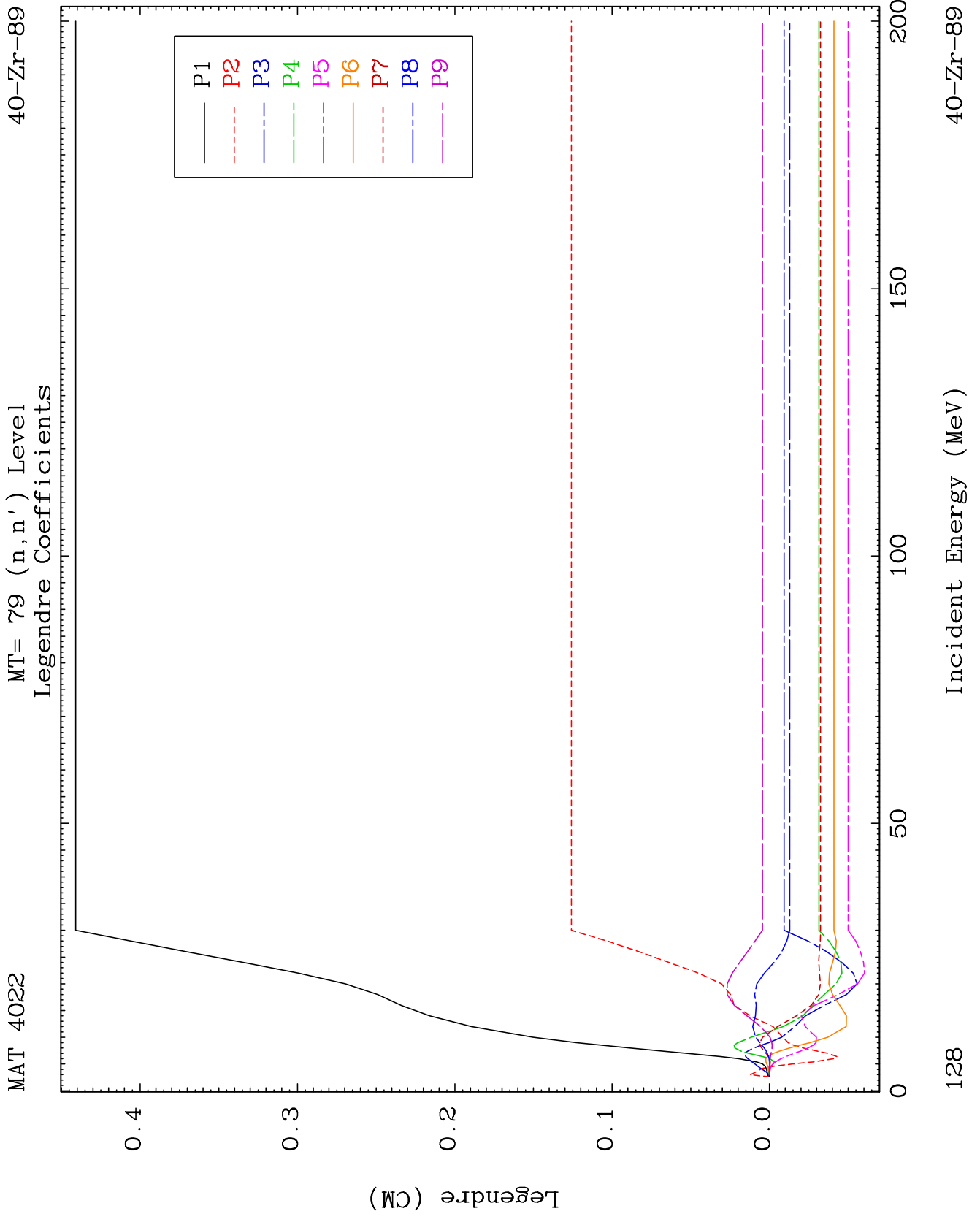


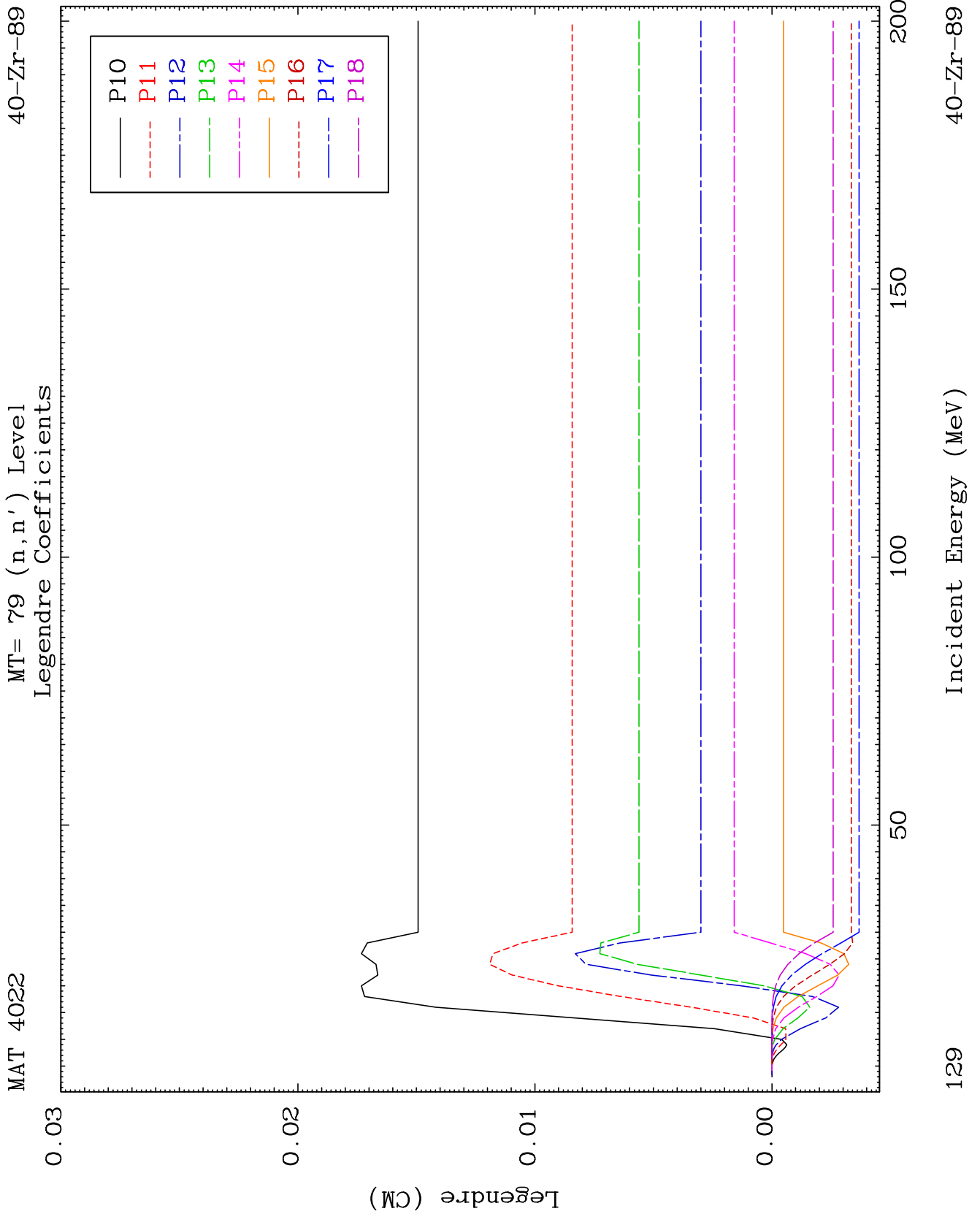


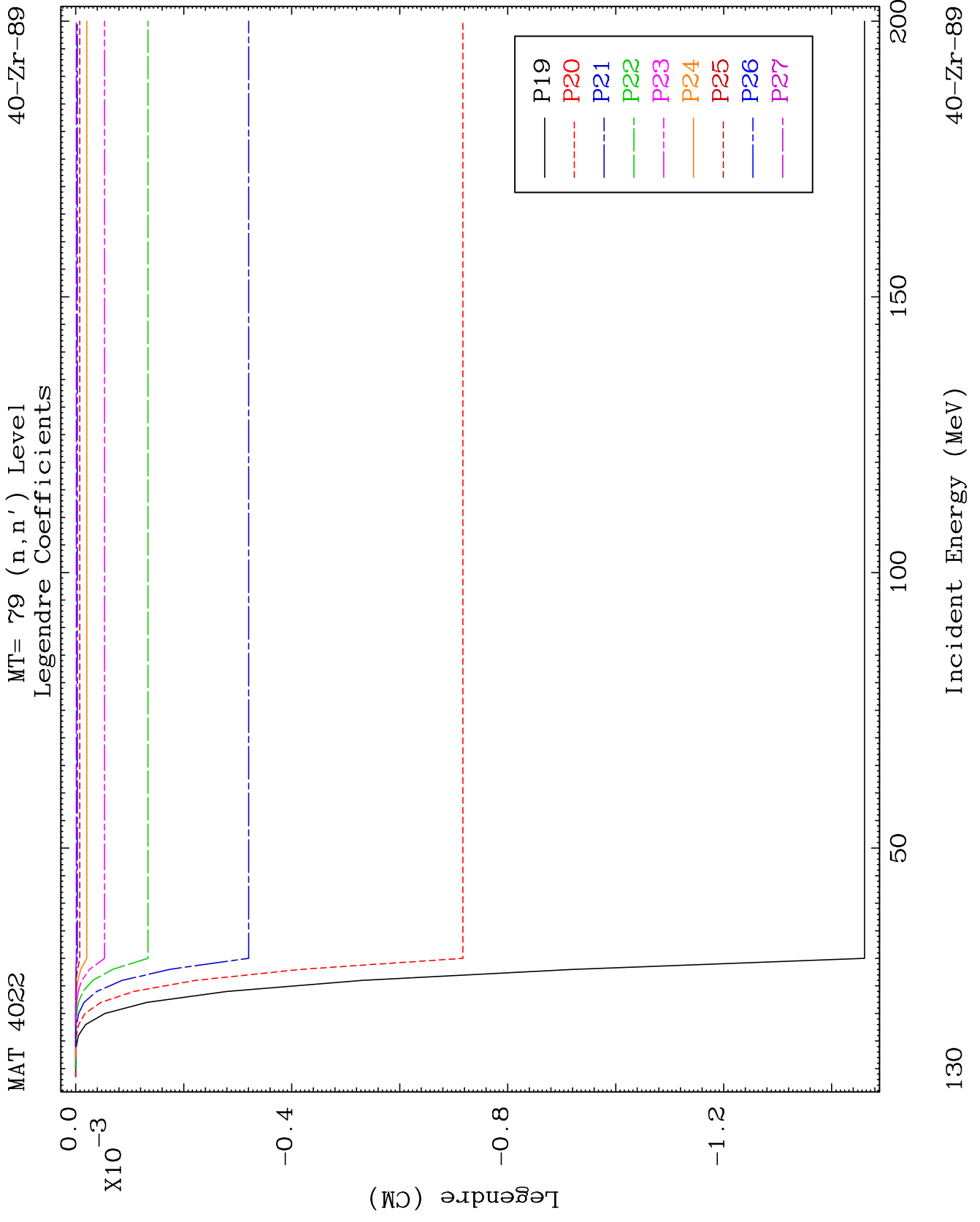


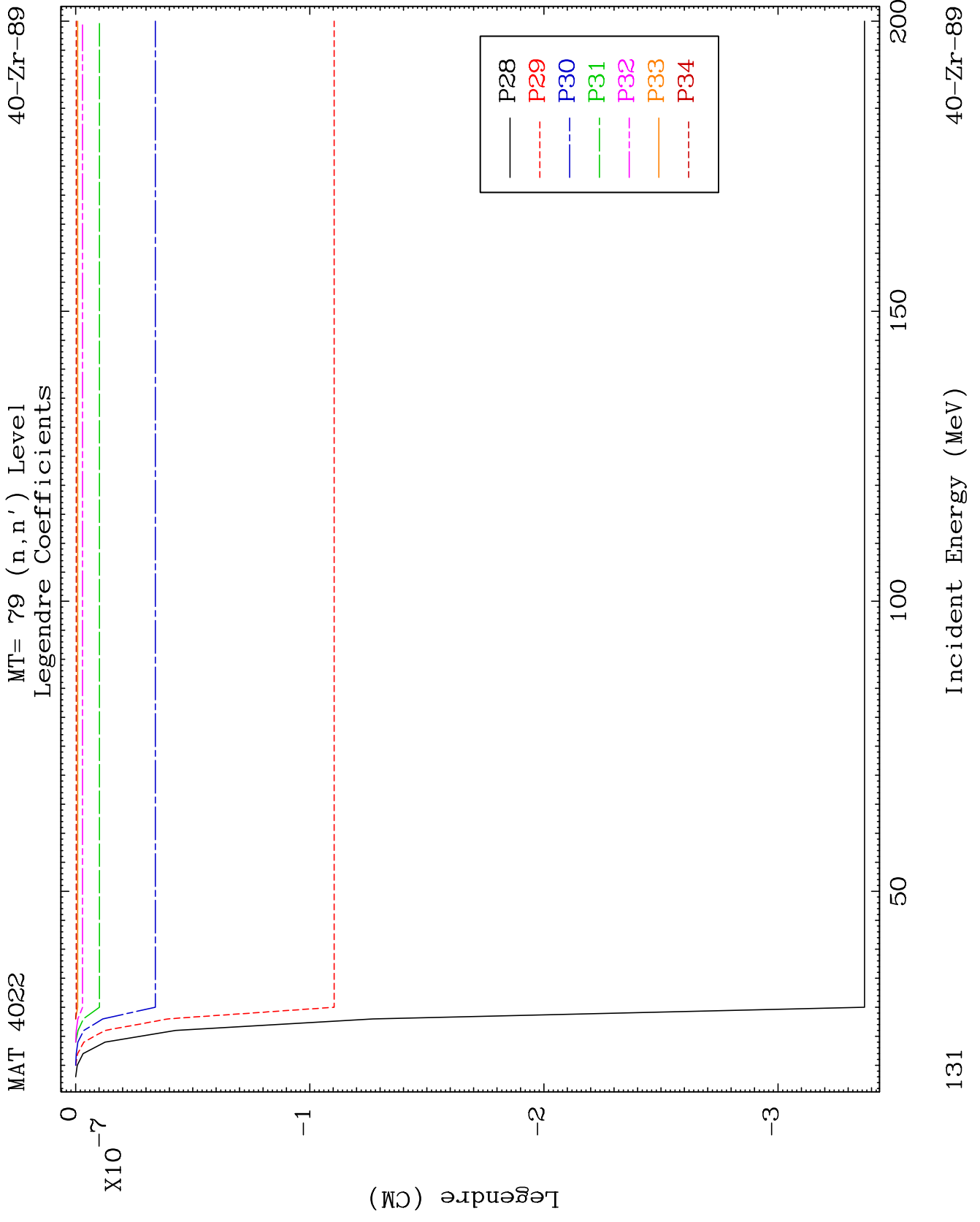




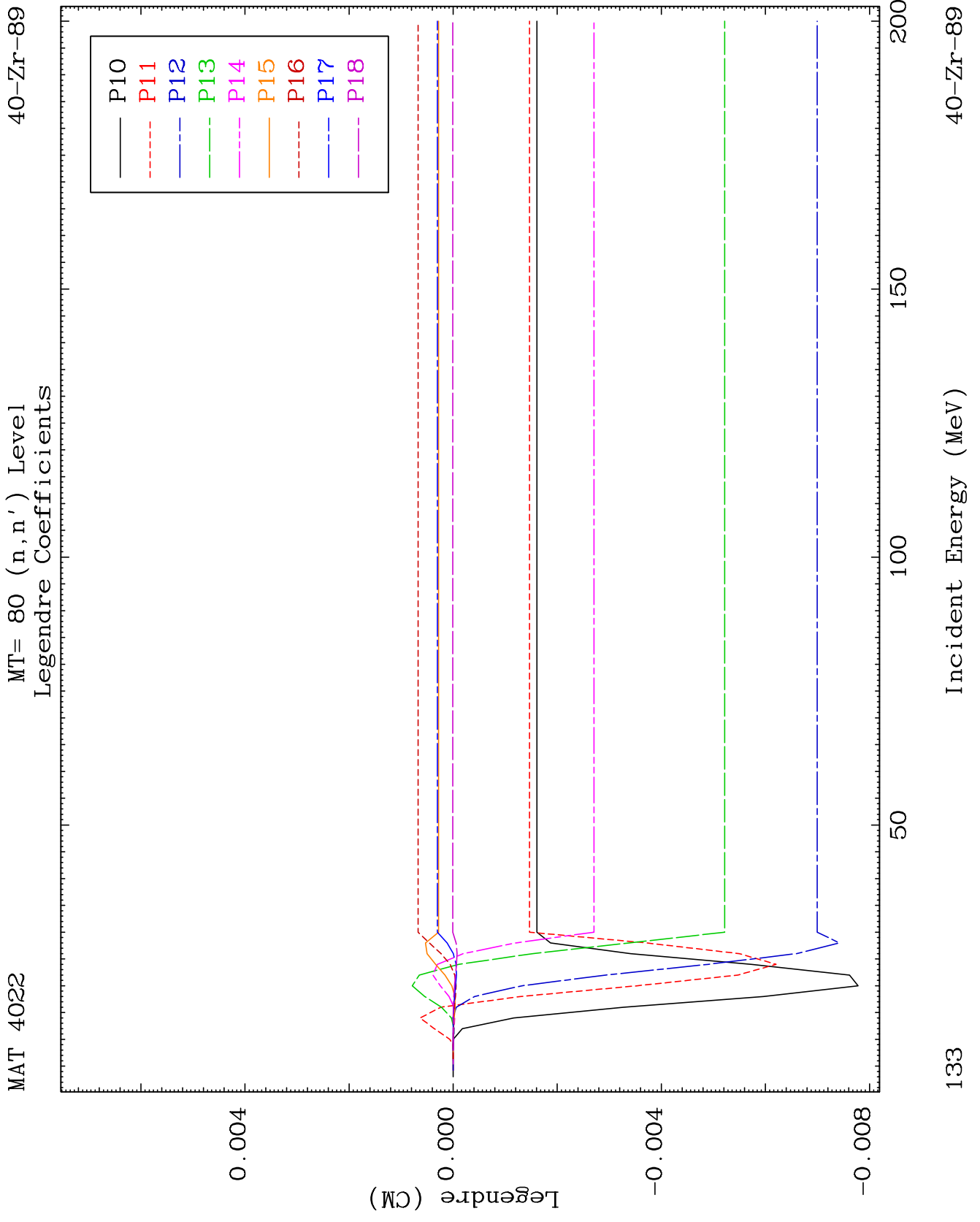


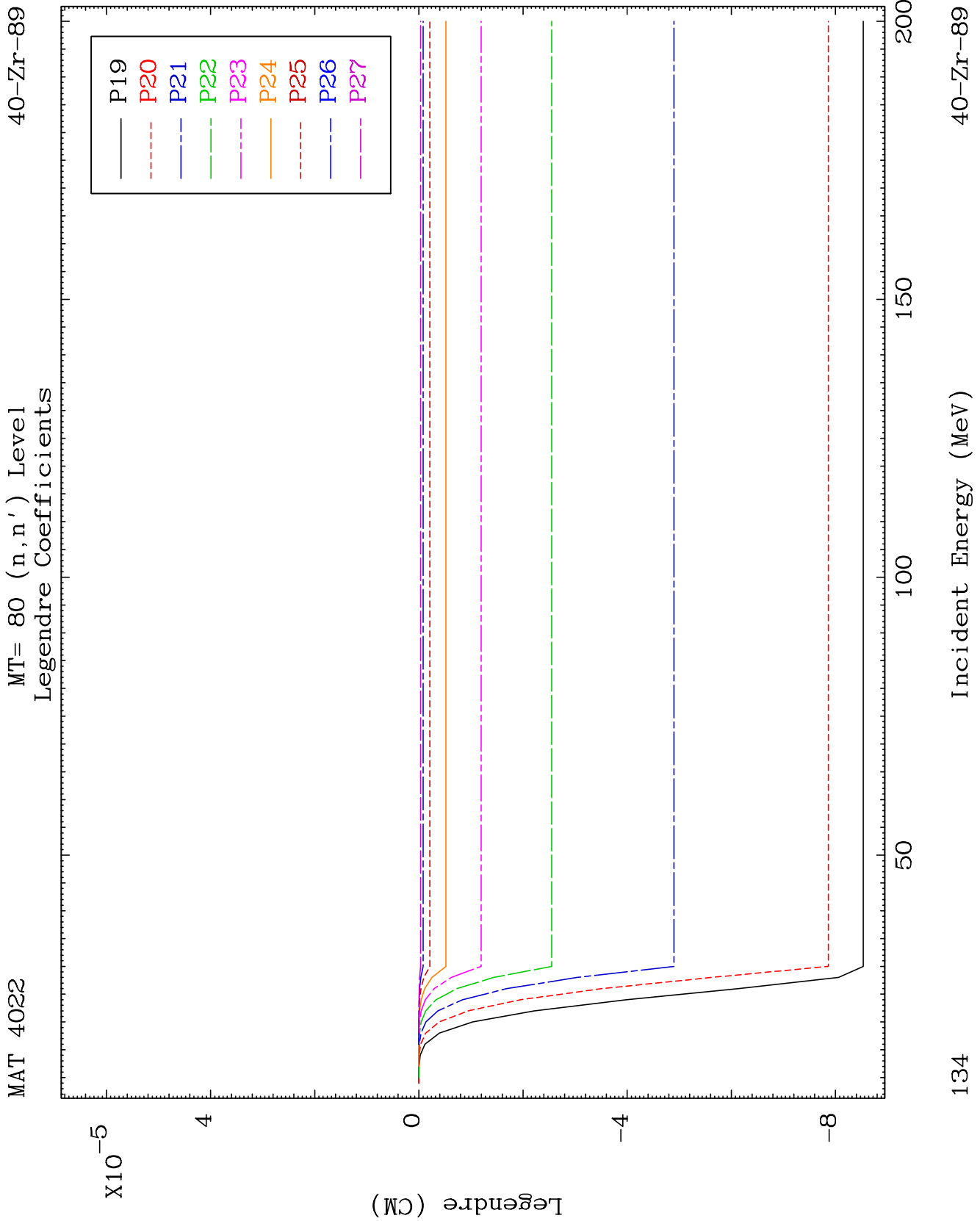


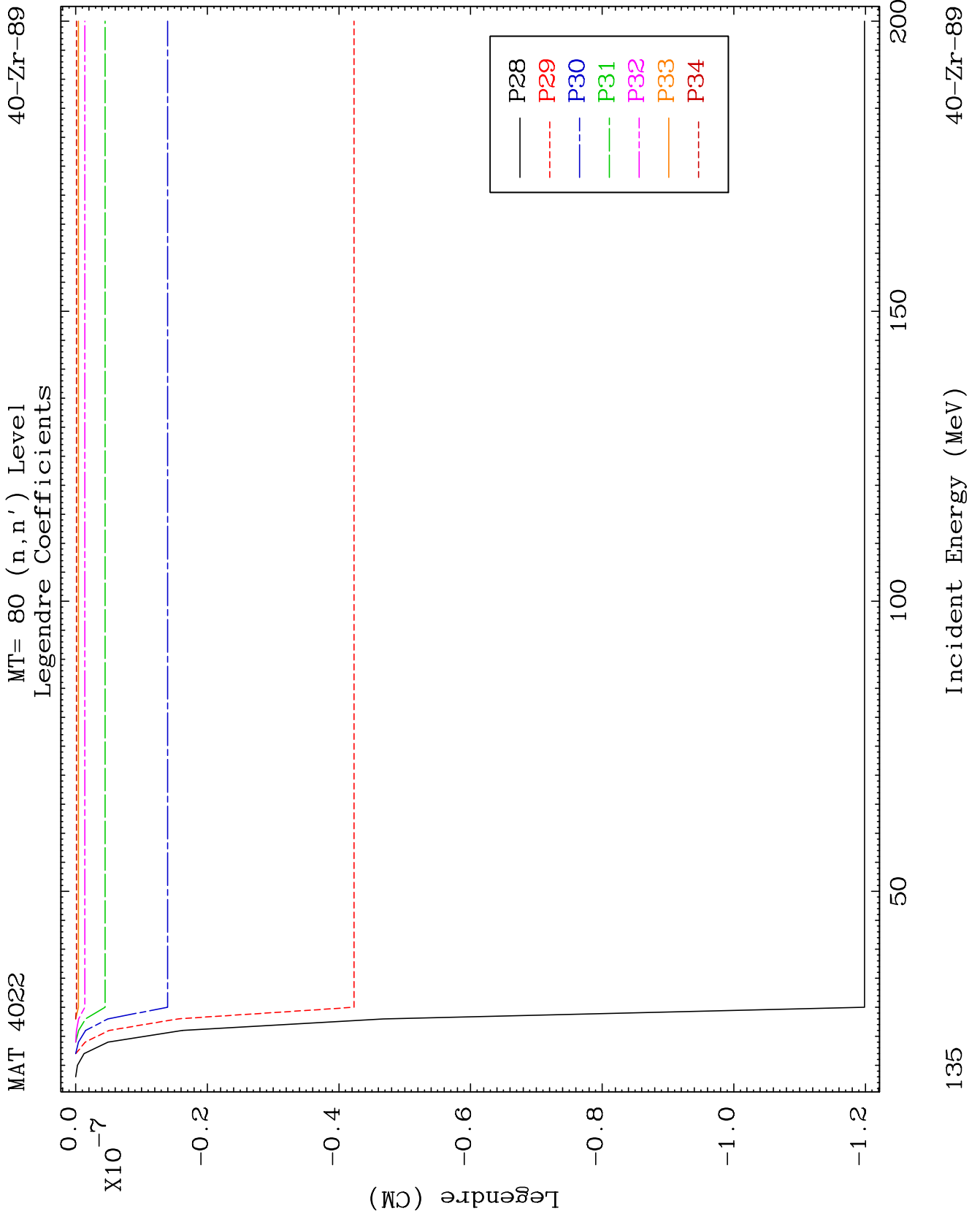








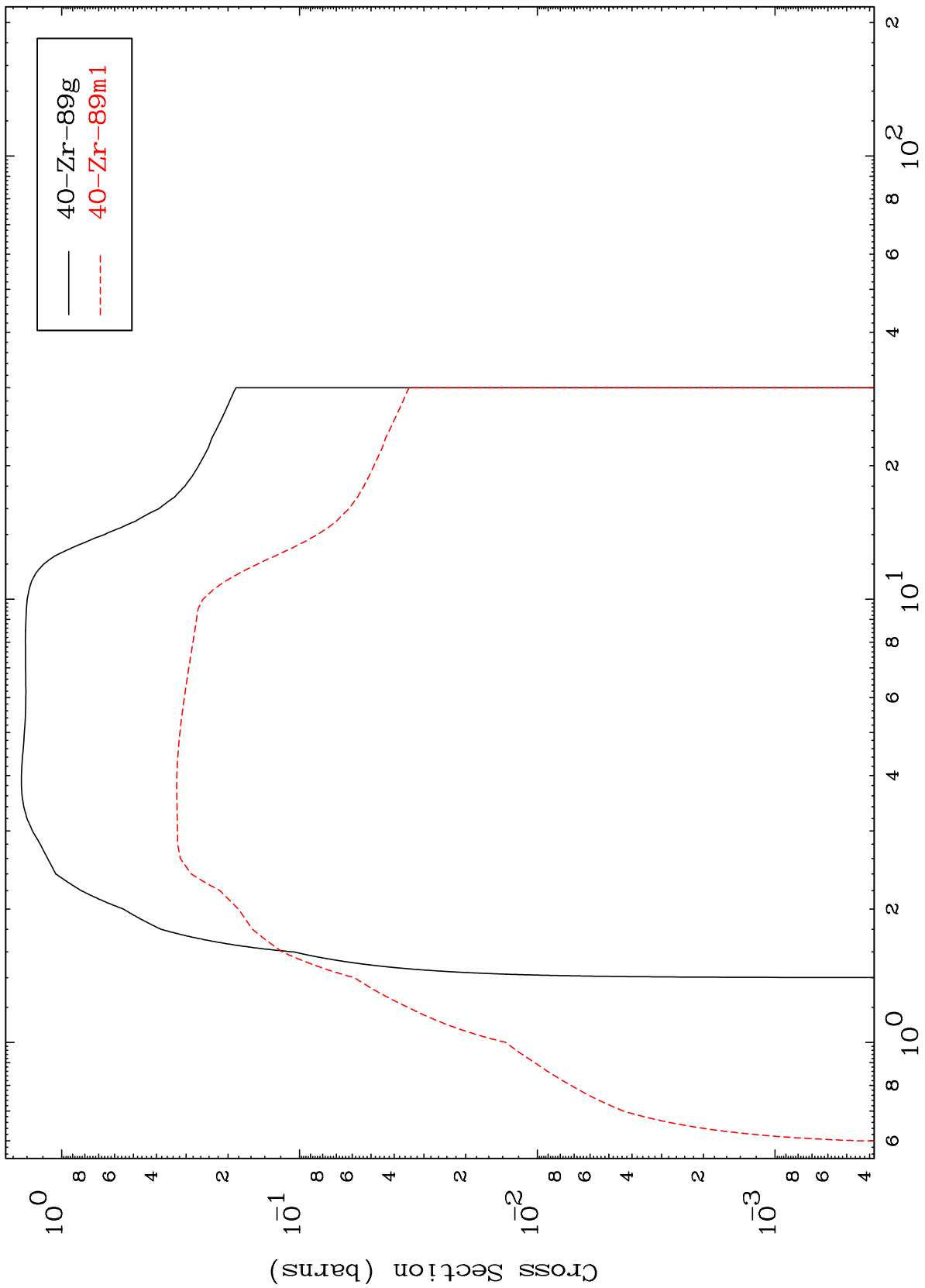




MAT 4022

40-Zr-89

### Inelastic Radionuclide Production Cross Section



136

Incident Energy (MeV)

40-Zr-89

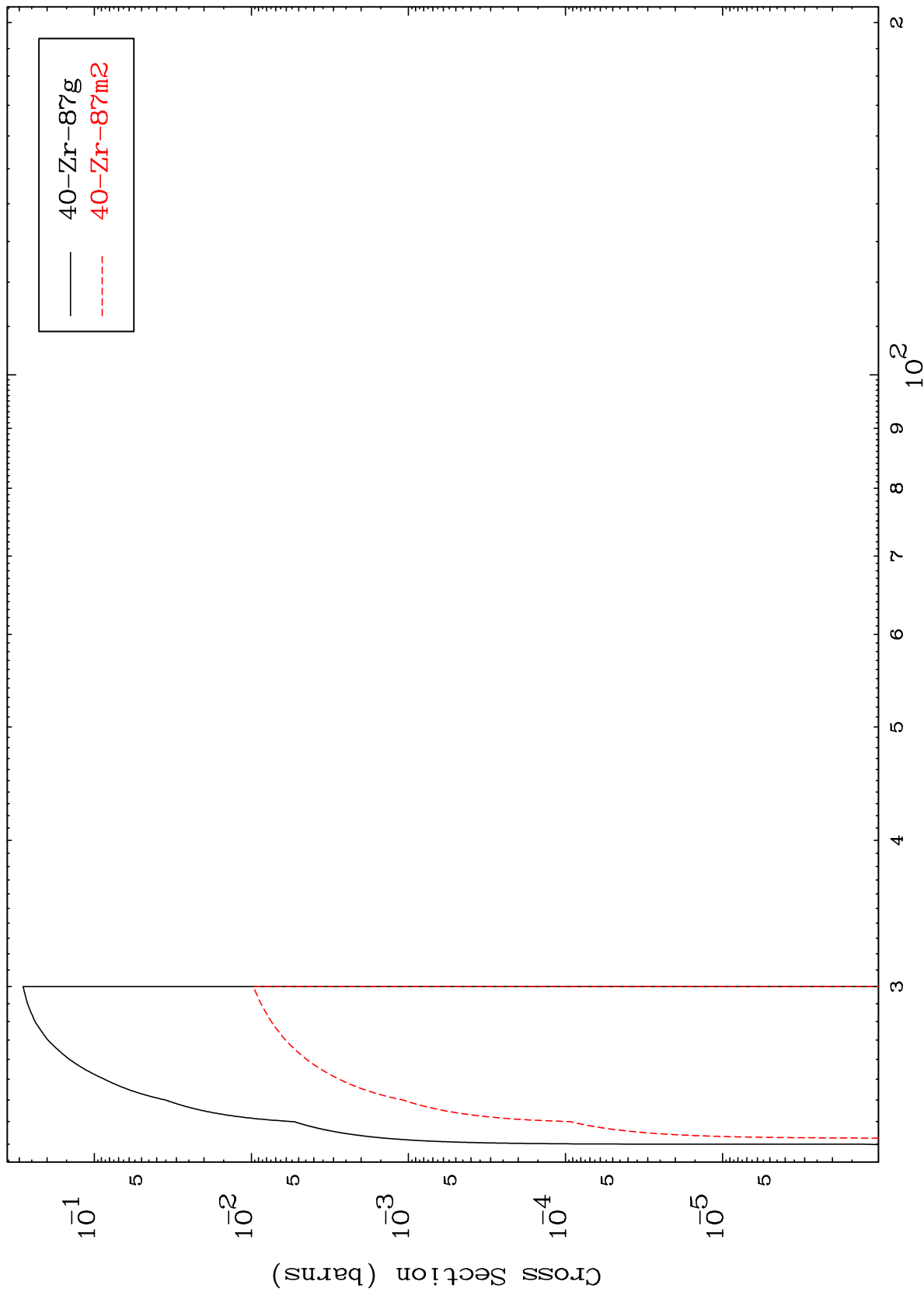


MAT 4022

40-Zr-89

(n,3n)

Radionuclide Production Cross Section



138

40-Zr-89

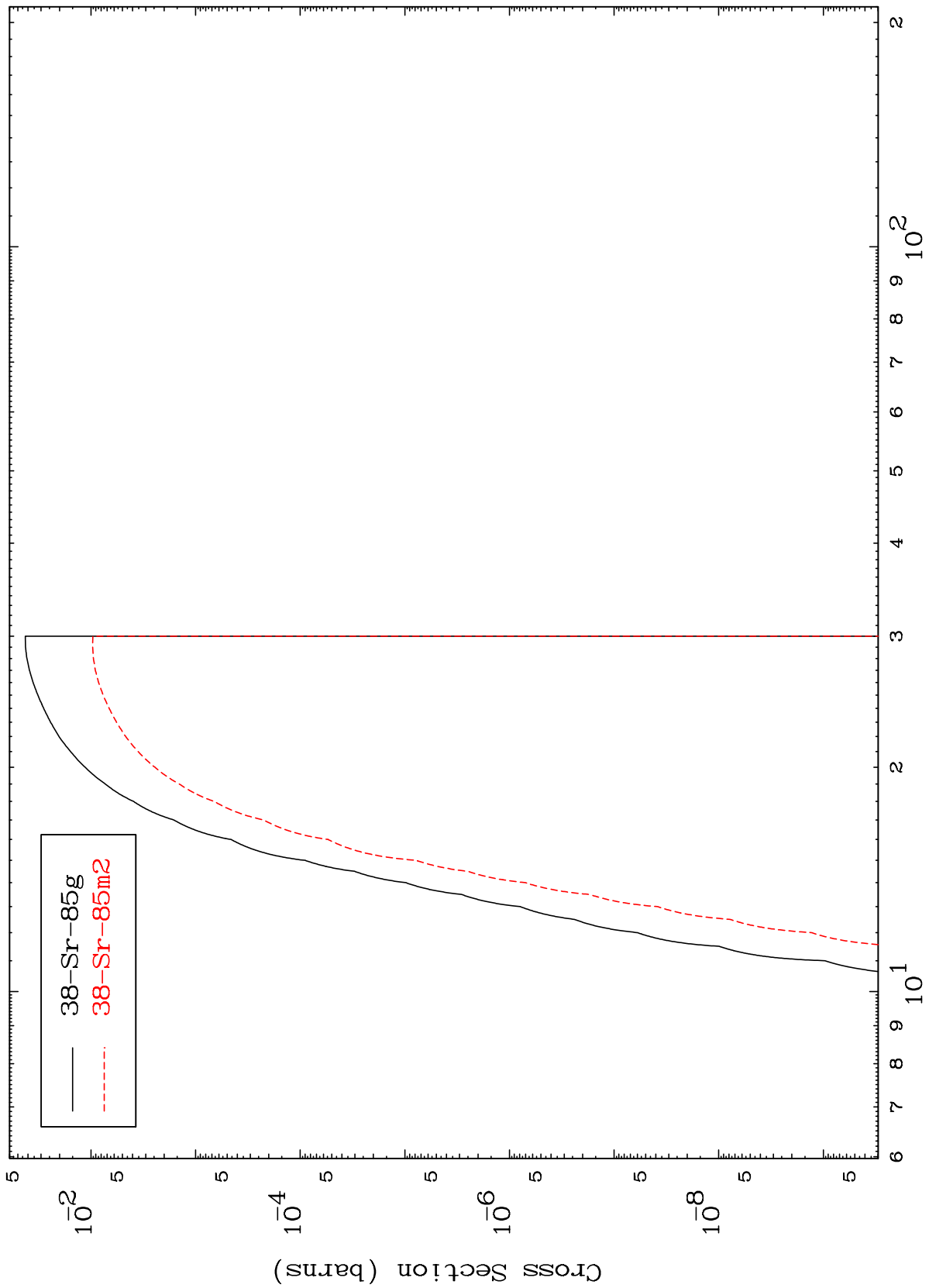
Incident Energy (MeV)

MAT 4022

(n,n')  $\alpha$

40-Zr-89

Radionuclide Production Cross Section



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

139

Incident Energy (MeV)

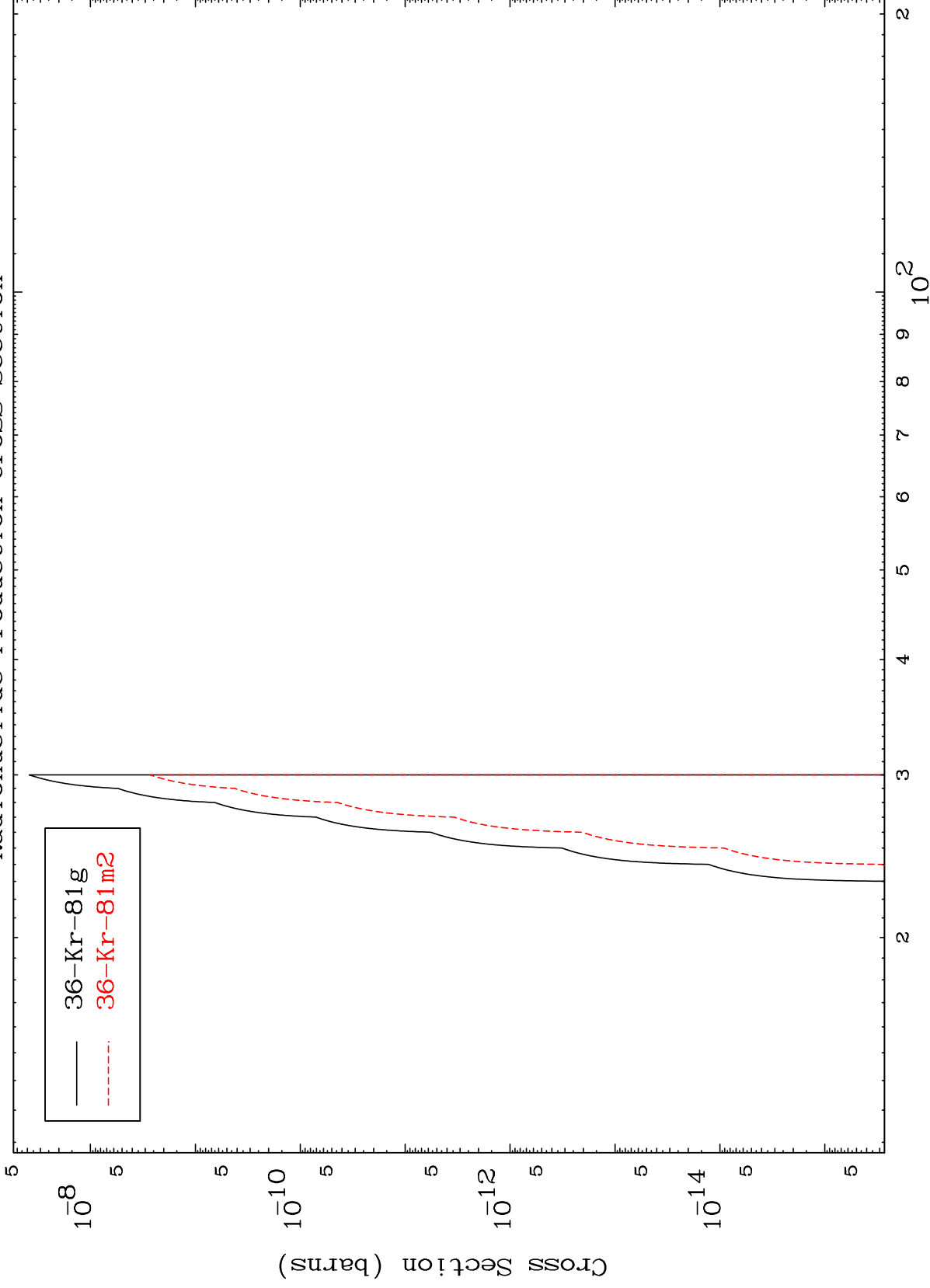
40-Zr-89

MAT 4022

(n,n') 2α

40-Zr-89

Radionuclide Production Cross Section



140

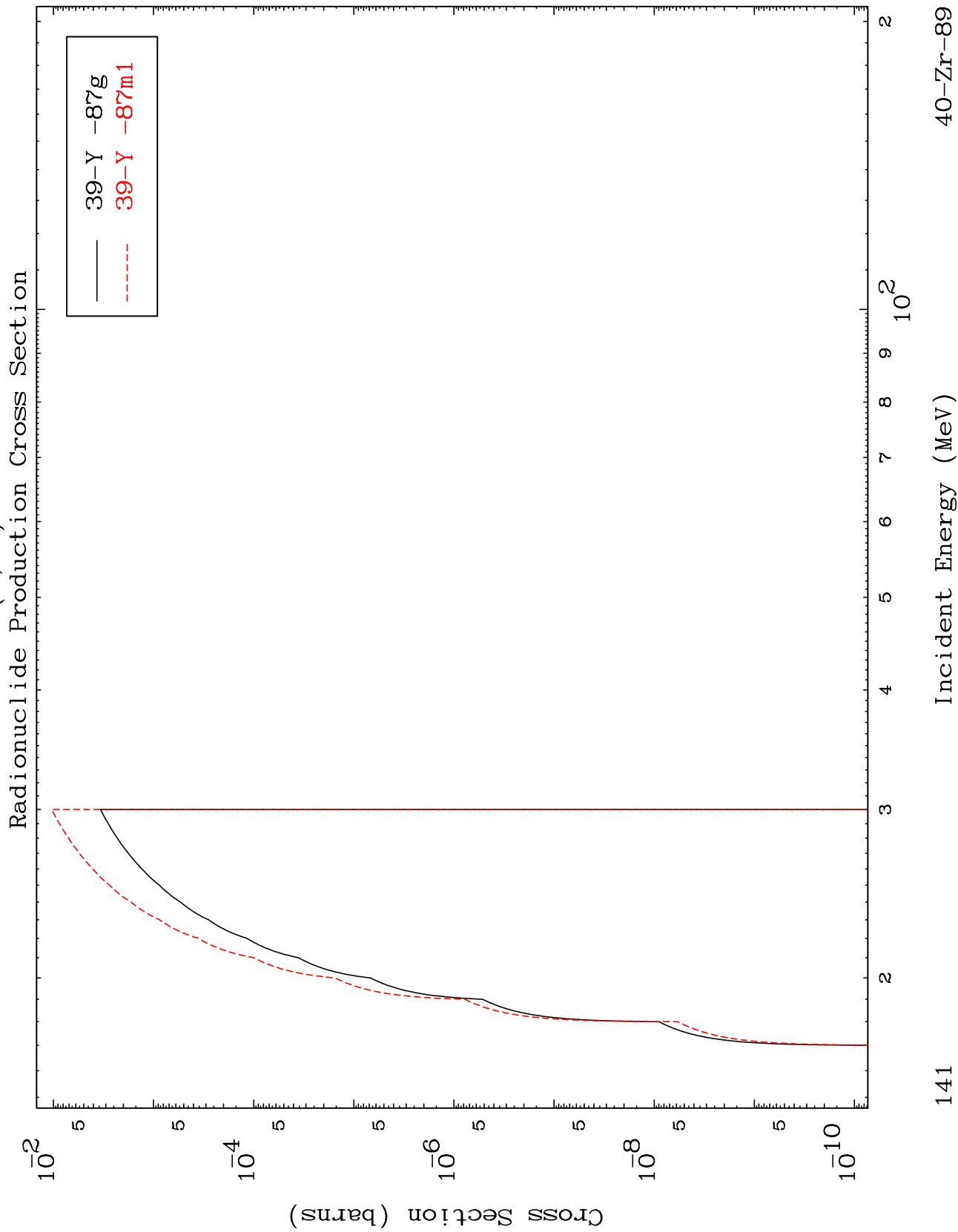
Incident Energy (MeV)

40-Zr-89

MAT 4022

(n,n') d

40-Zr-89



141

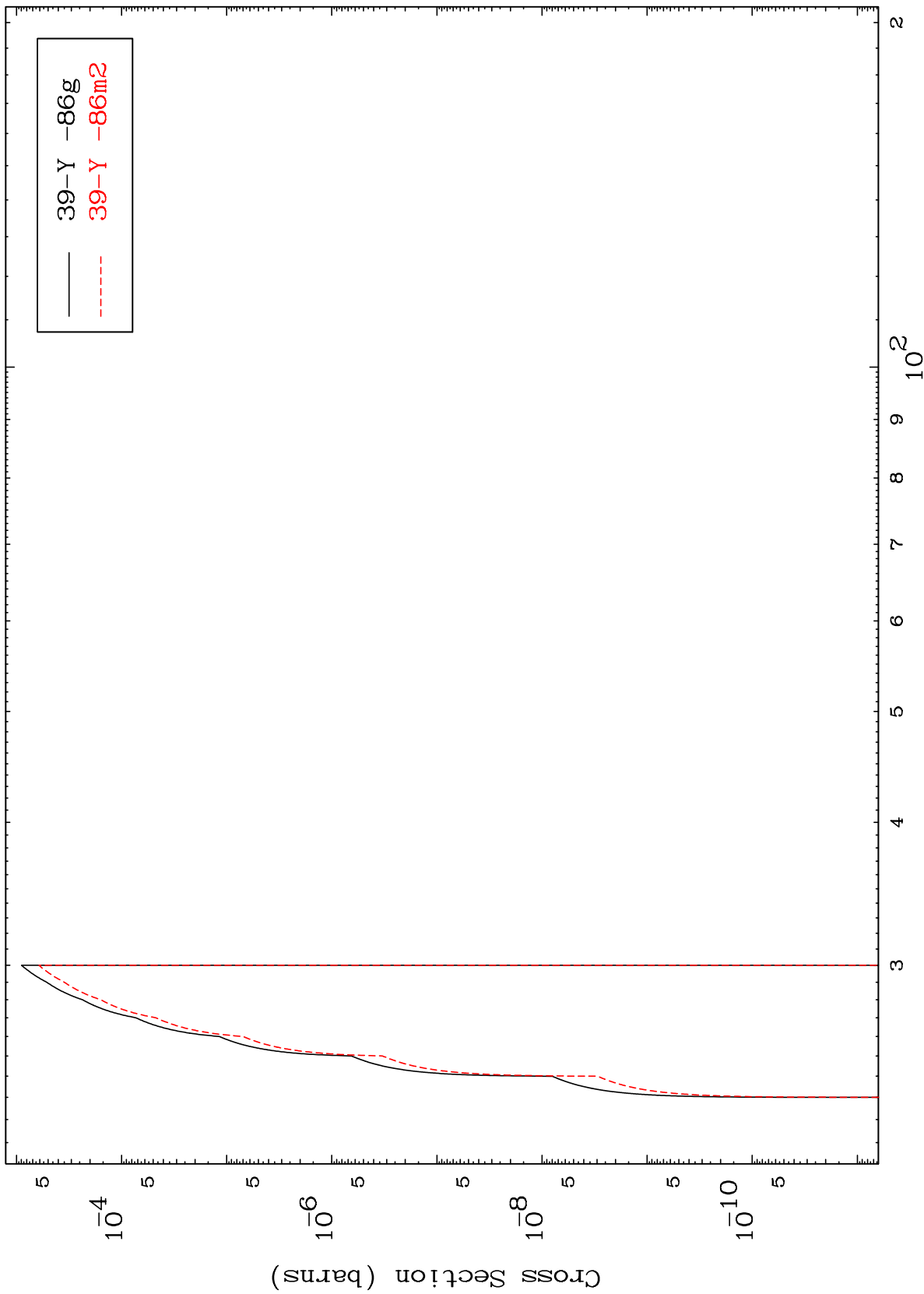
40-Zr-89

MAT 4022

(n,n') t

40-Zr-89

Radionuclide Production Cross Section

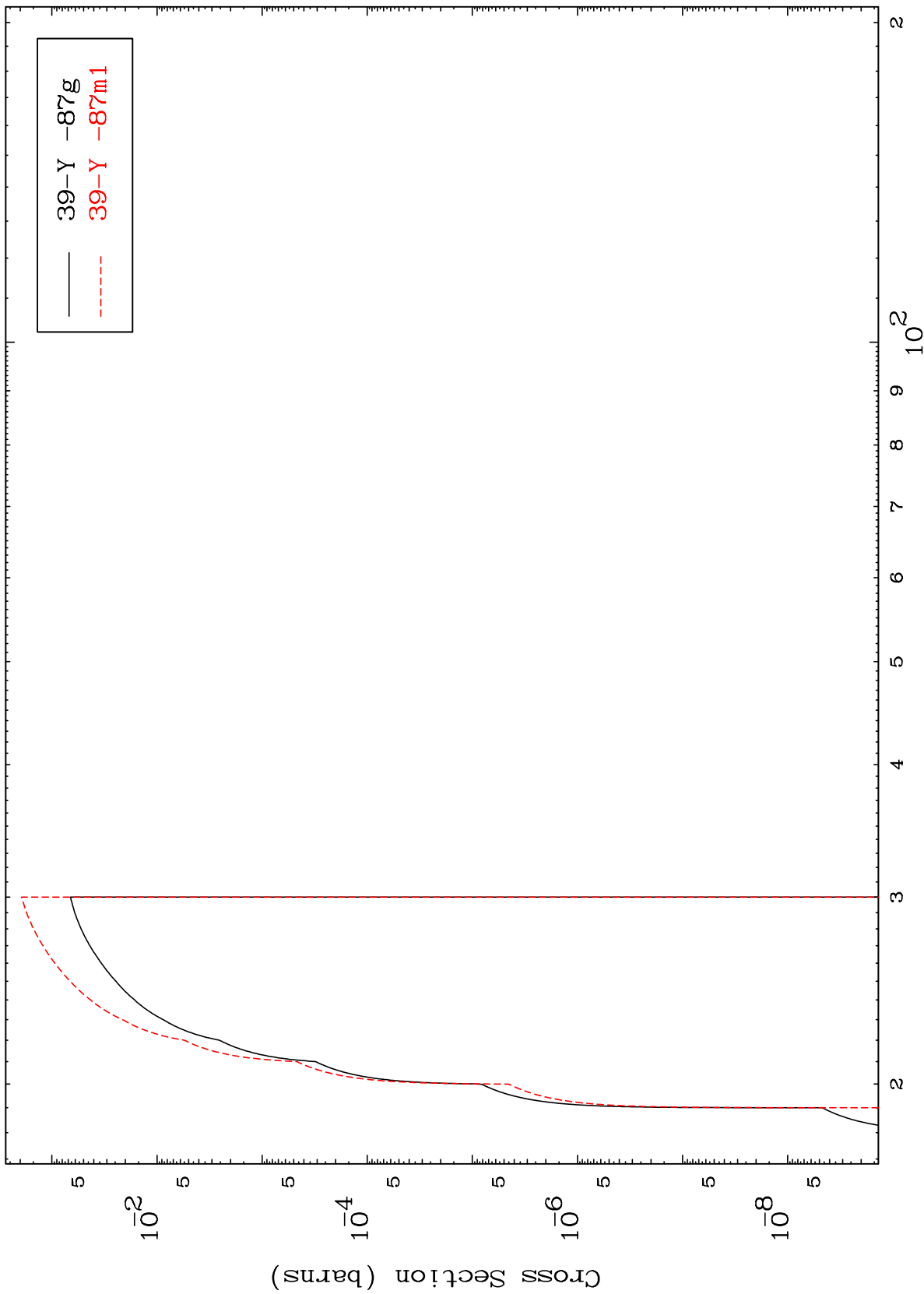


142

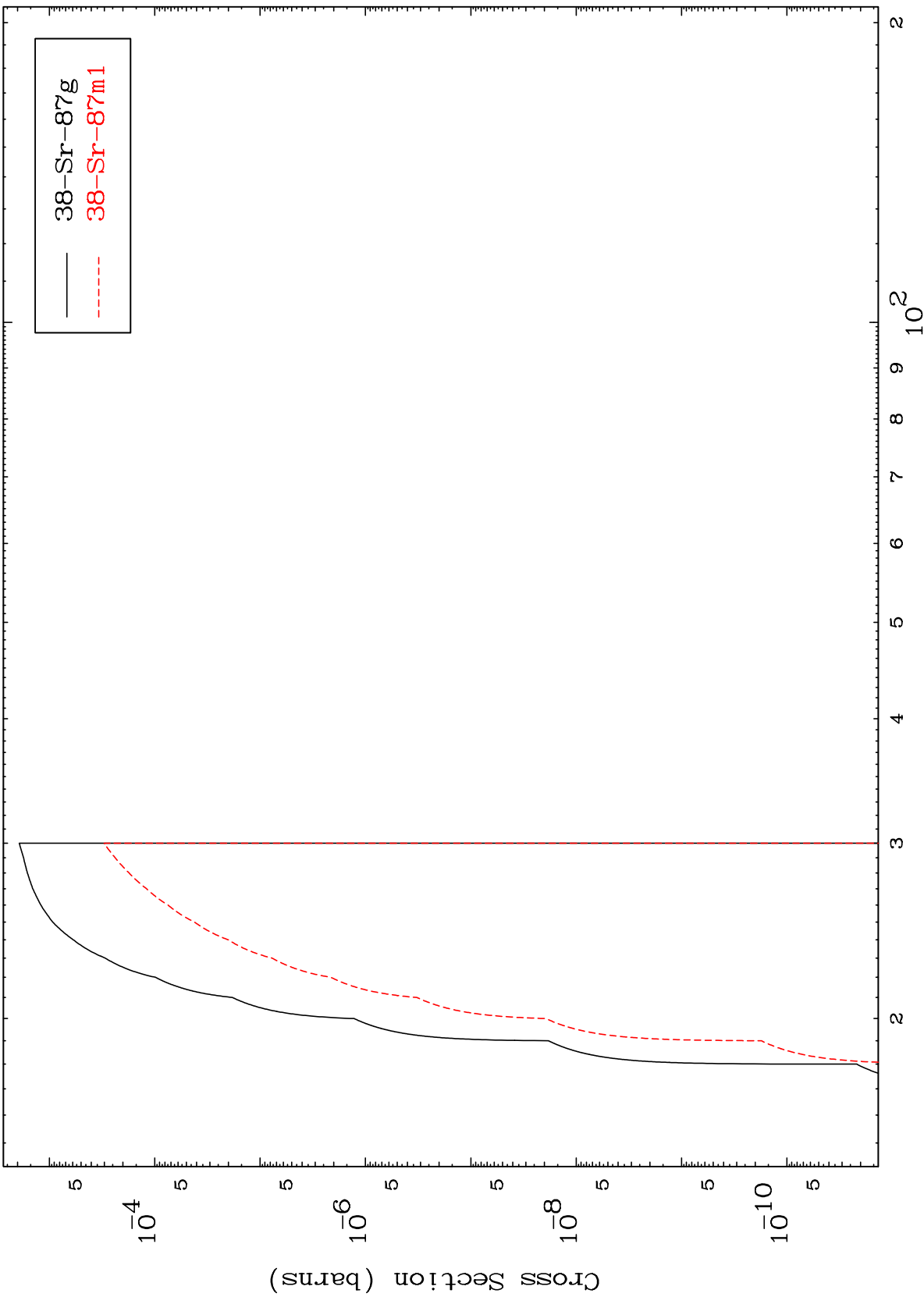
Incident Energy (MeV)

40-Zr-89

Radionuclide Production Cross Section



Radionuclide Production Cross Section

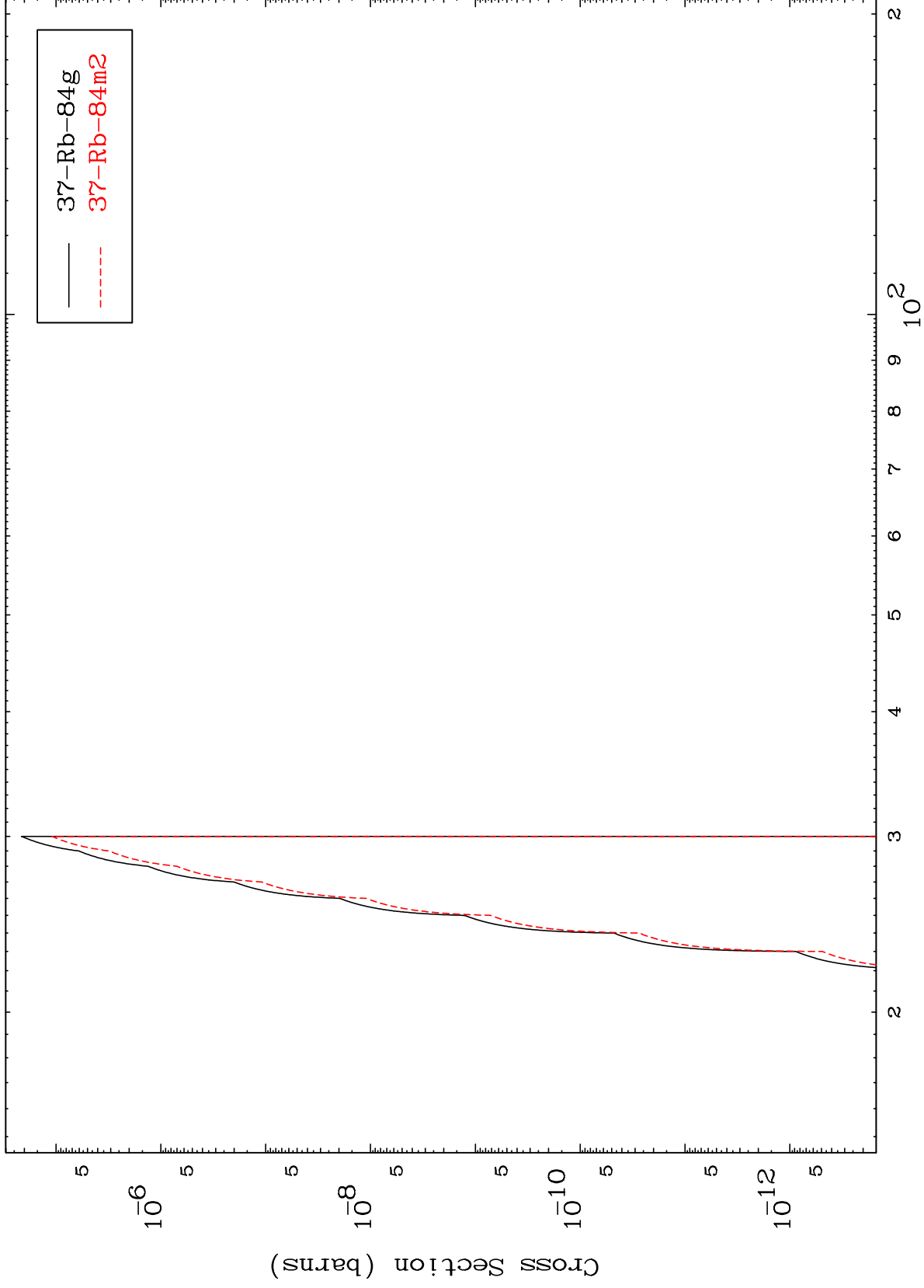


MAT 4022

(n,n') p  $\alpha$

40-Zr-89

Radionuclide Production Cross Section



145

Incident Energy (MeV)

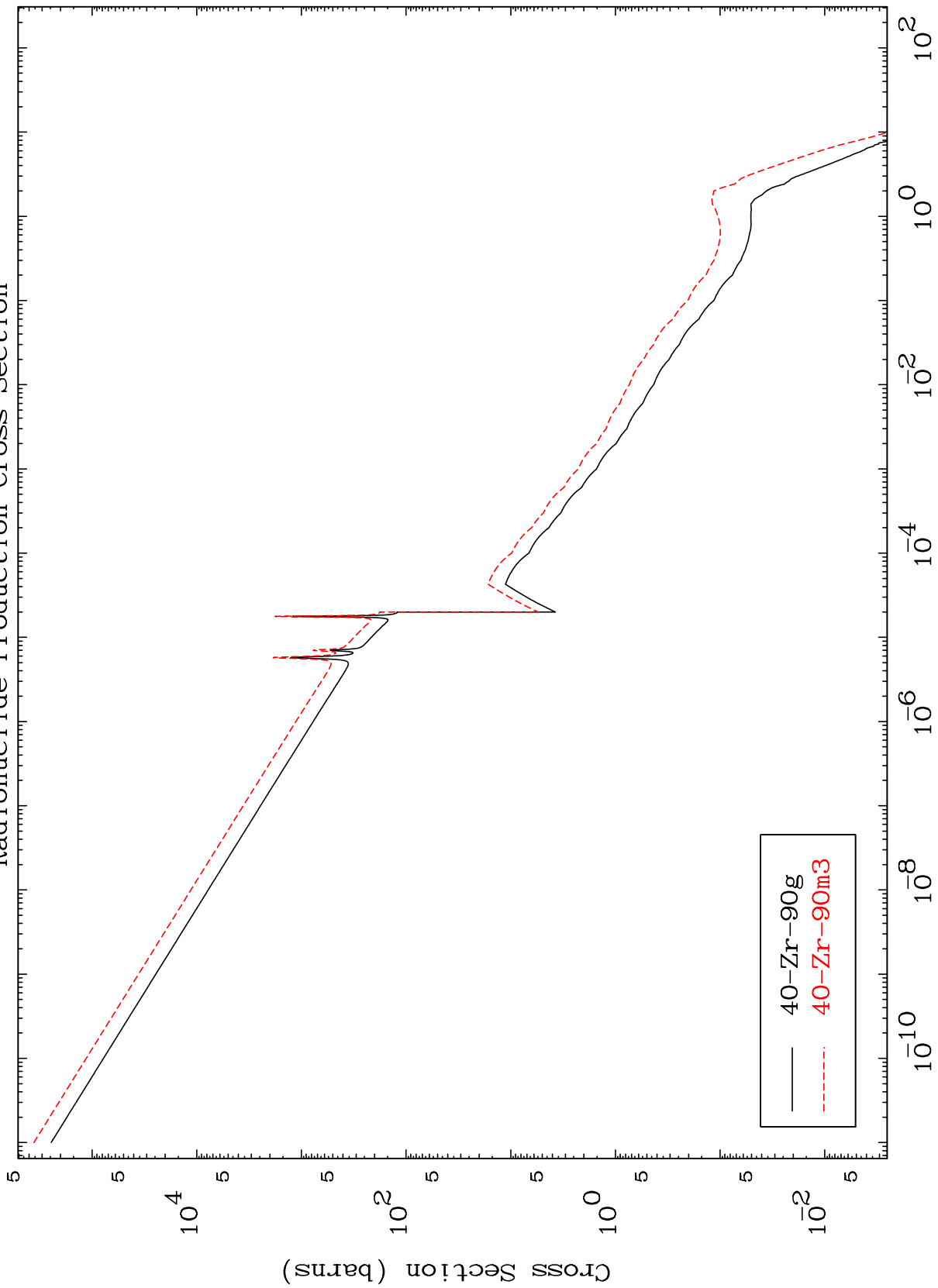
40-Zr-89

MAT 4022

40-Zr-89

Radionuclide Production Cross Section

(n,  $\gamma$ )

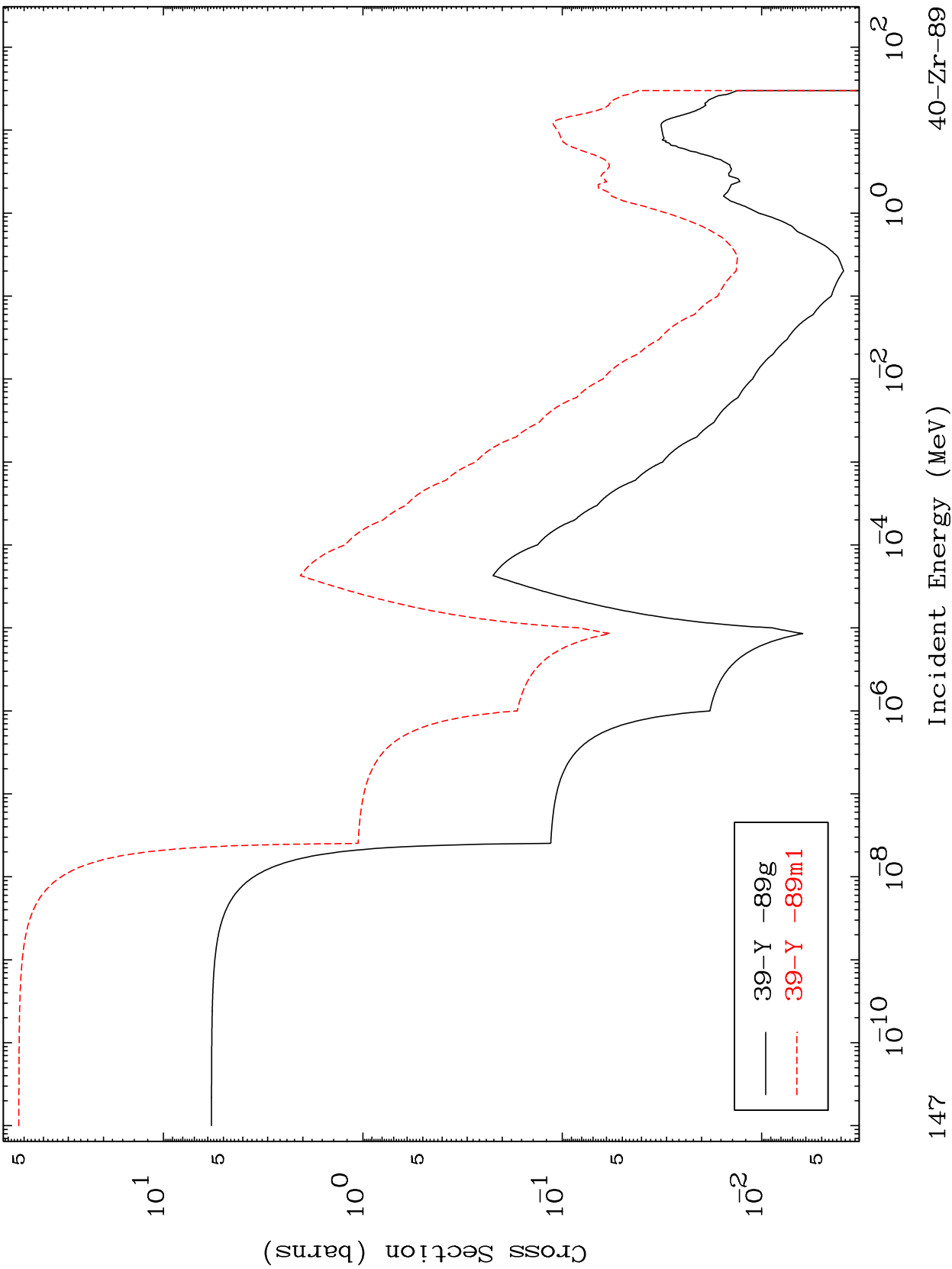


— 40-Zr-90g  
- - - 40-Zr-90m3

MAT 4022

40-Zr-89

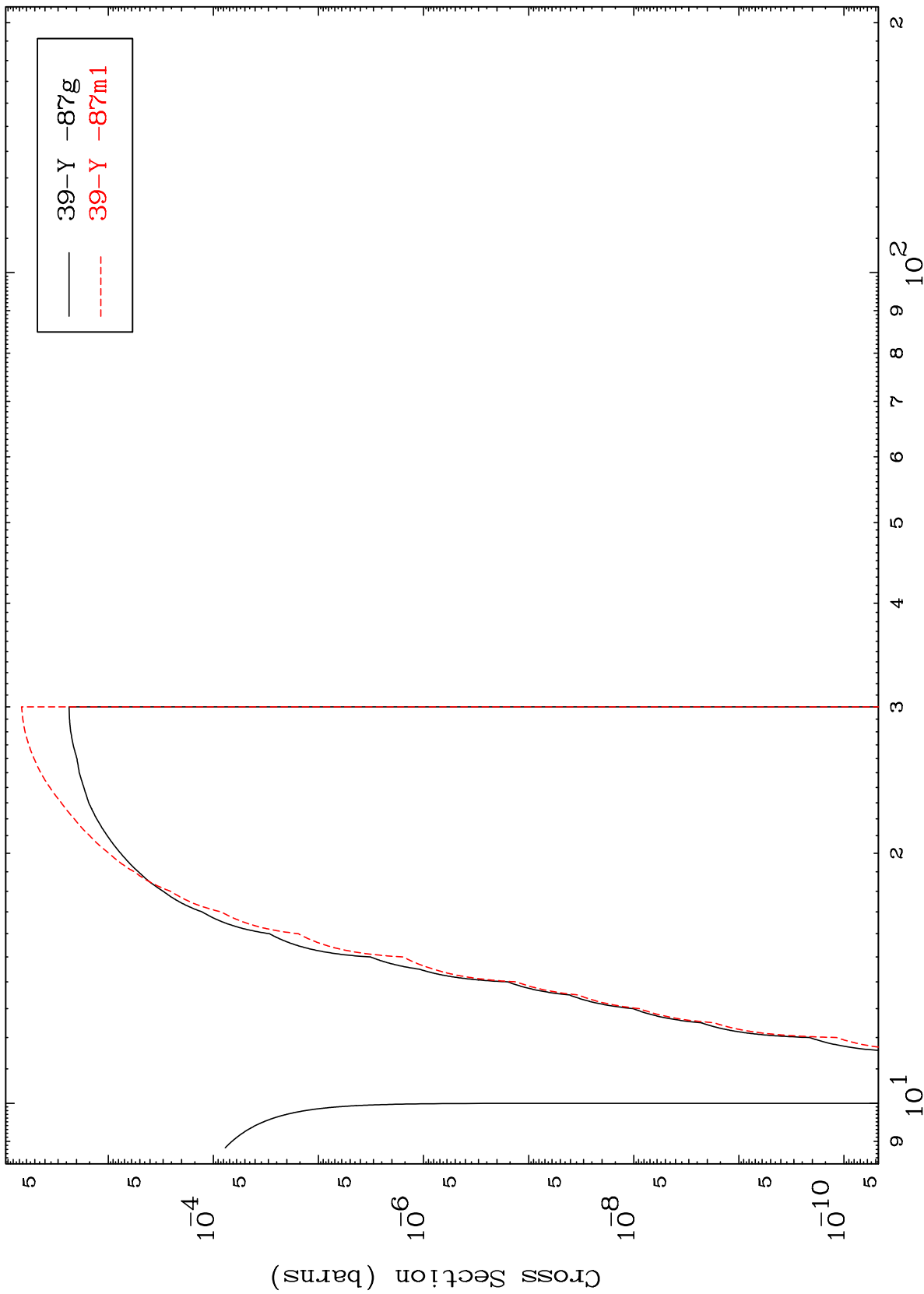
Radionuclide Production Cross Section (n,p)



MAT 4022

40-Zr-89

(n, t)  
Radionuclide Production Cross Section



40-Zr-89

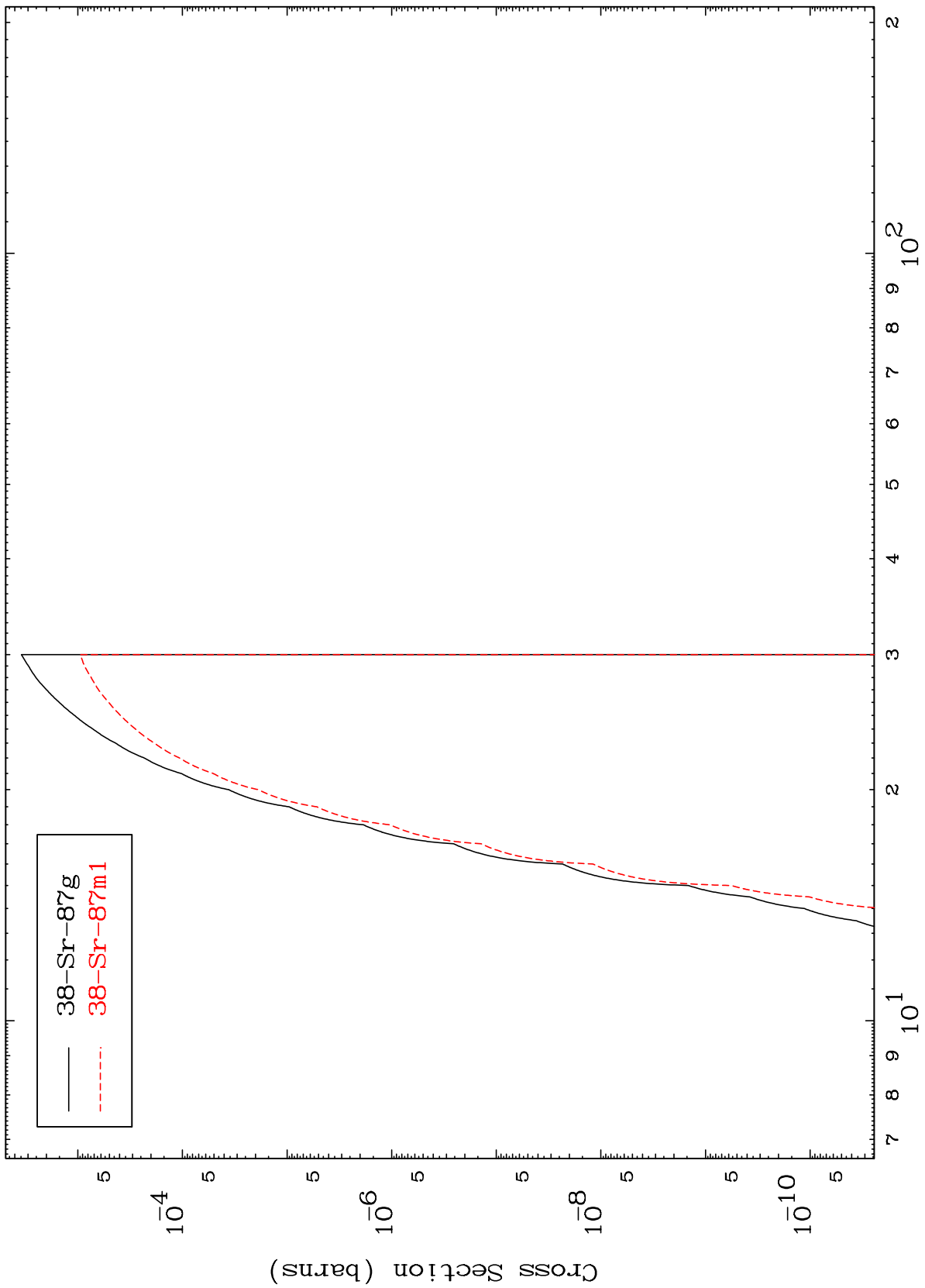
Incident Energy (MeV)

148

MAT 4022

40-Zr-89

(n,He-3)  
Radionuclide Production Cross Section



149

40-Zr-89

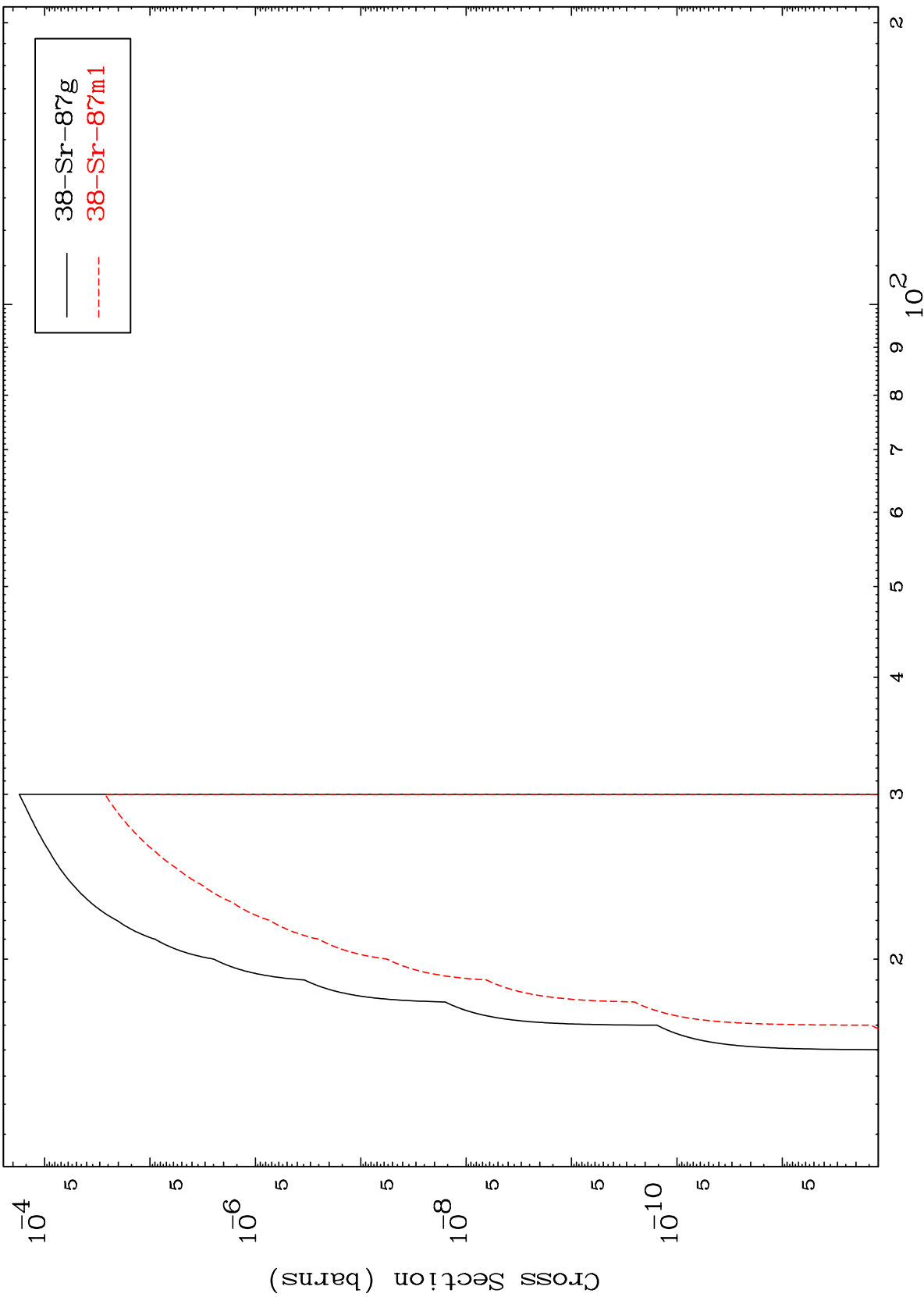
Incident Energy (MeV)

MAT 4022

(n,p) d

40-Zr-89

Radionuclide Production Cross Section



150

Incident Energy (MeV)

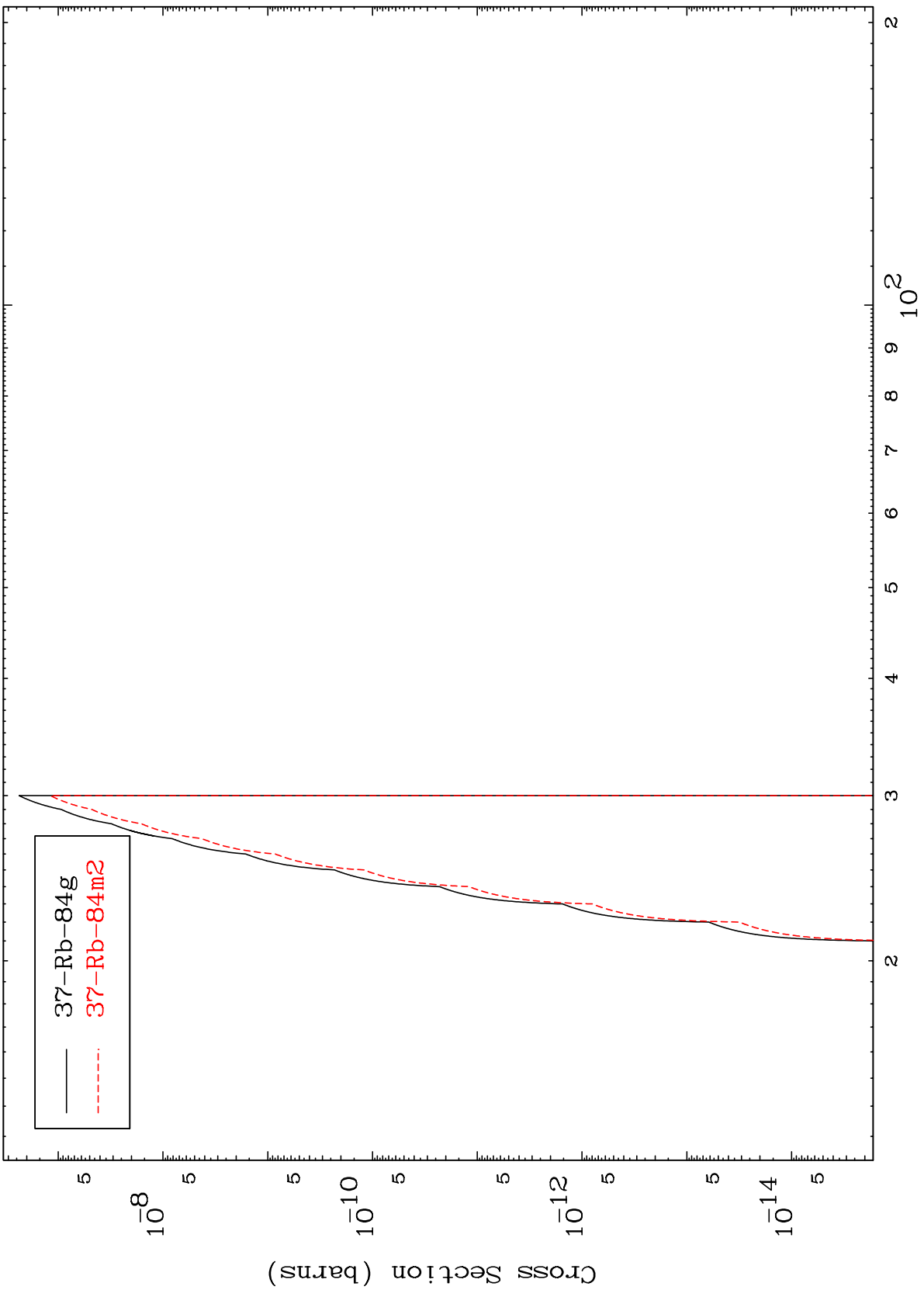
40-Zr-89

MAT 4022

(n,d)  $\alpha$

40-Zr-89

Radionuclide Production Cross Section



151

Incident Energy (MeV)

40-Zr-89