

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

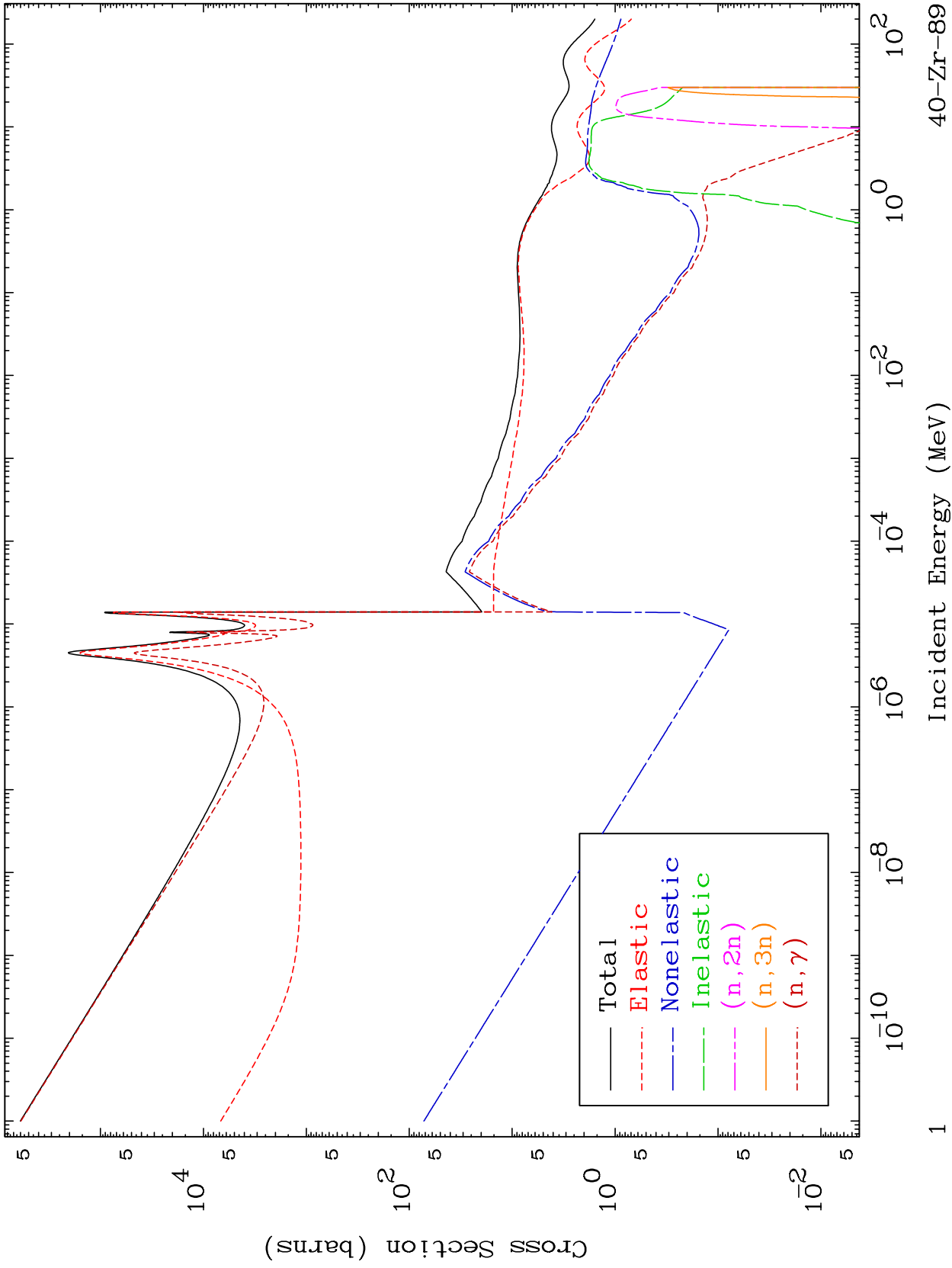
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4022

Neutron Major
293 Kelvin Cross Sections

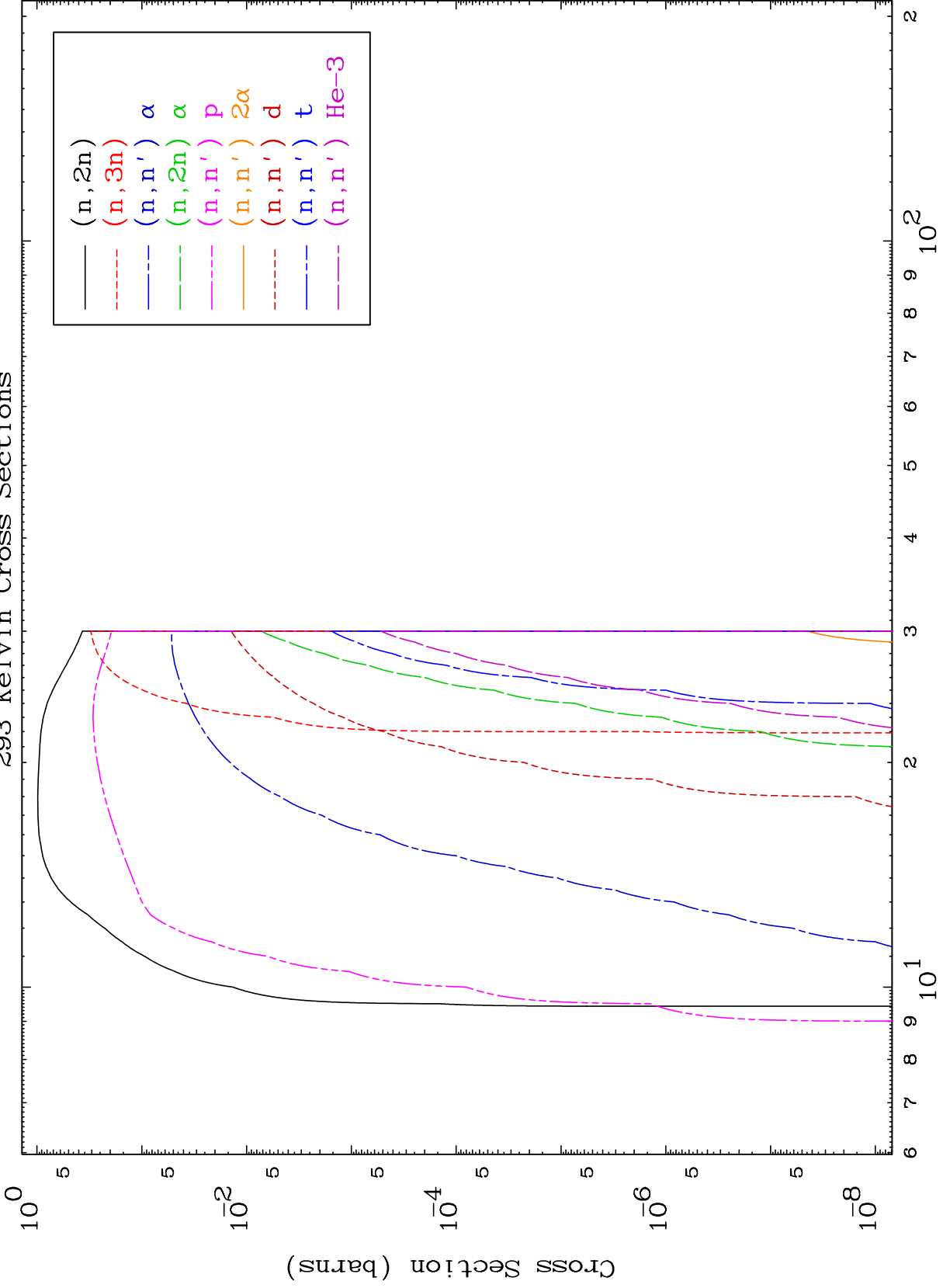
40-Zr-89



MAT 4022

Neutron Absorption
293 Kelvin Cross Sections

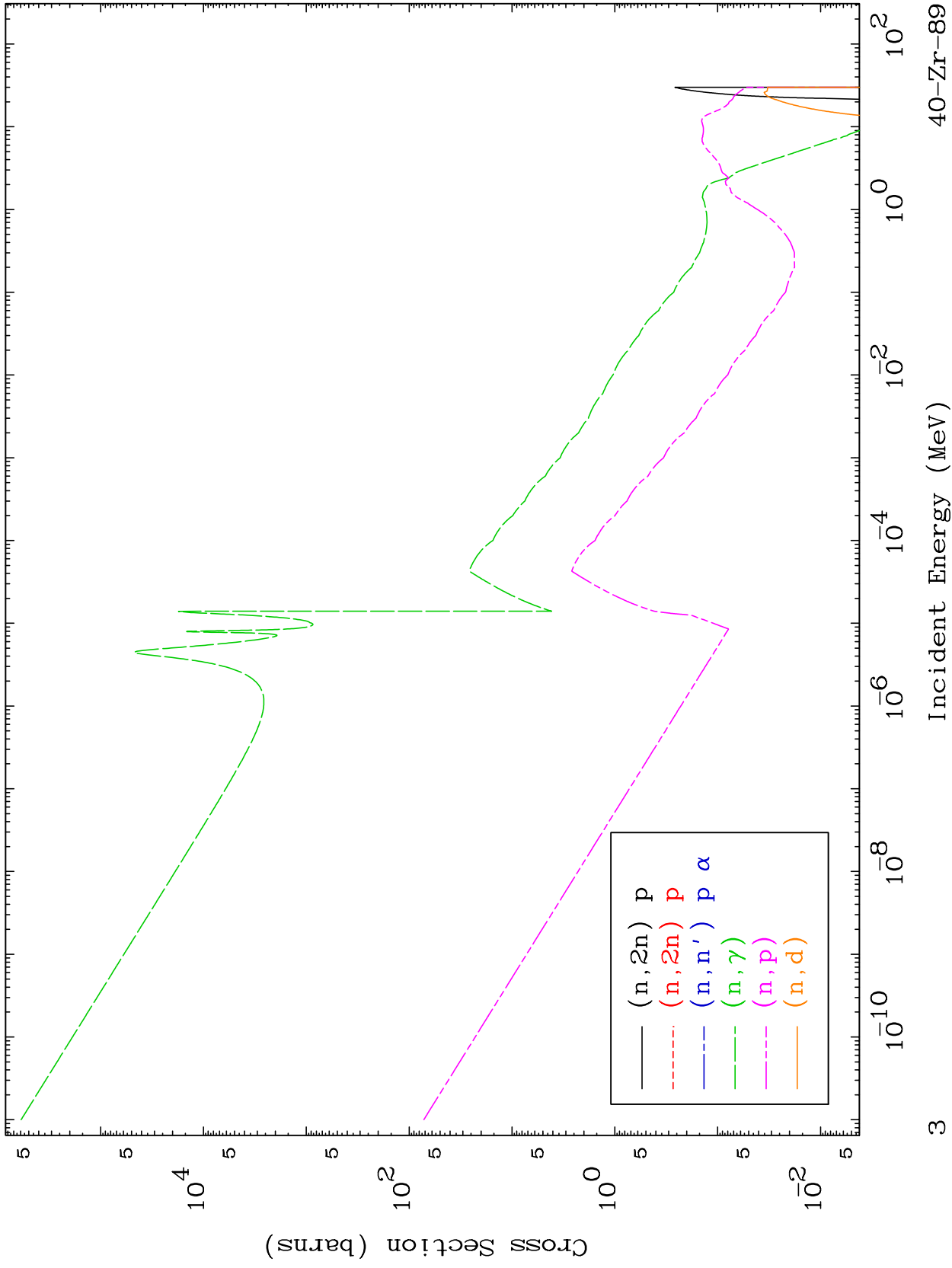
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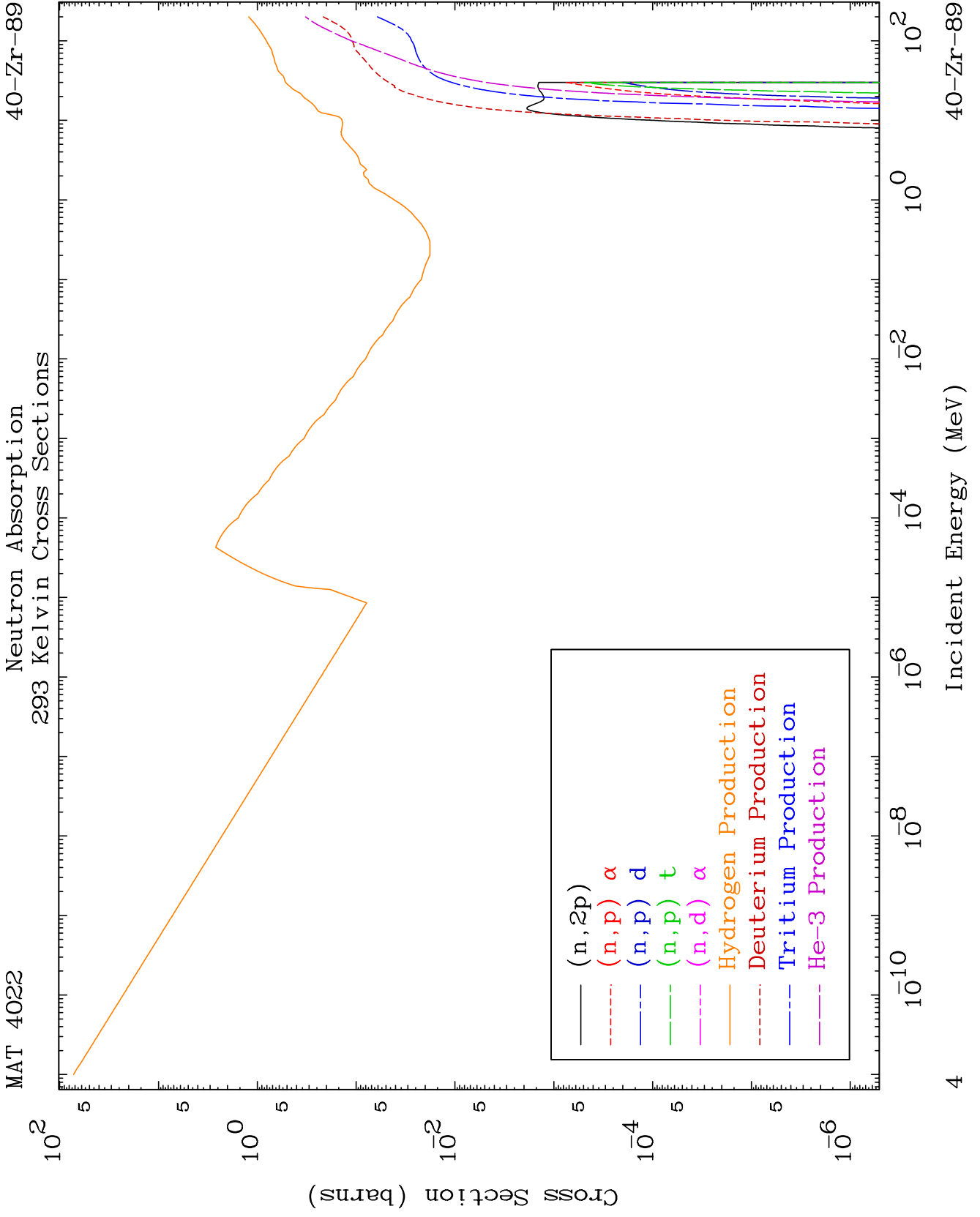


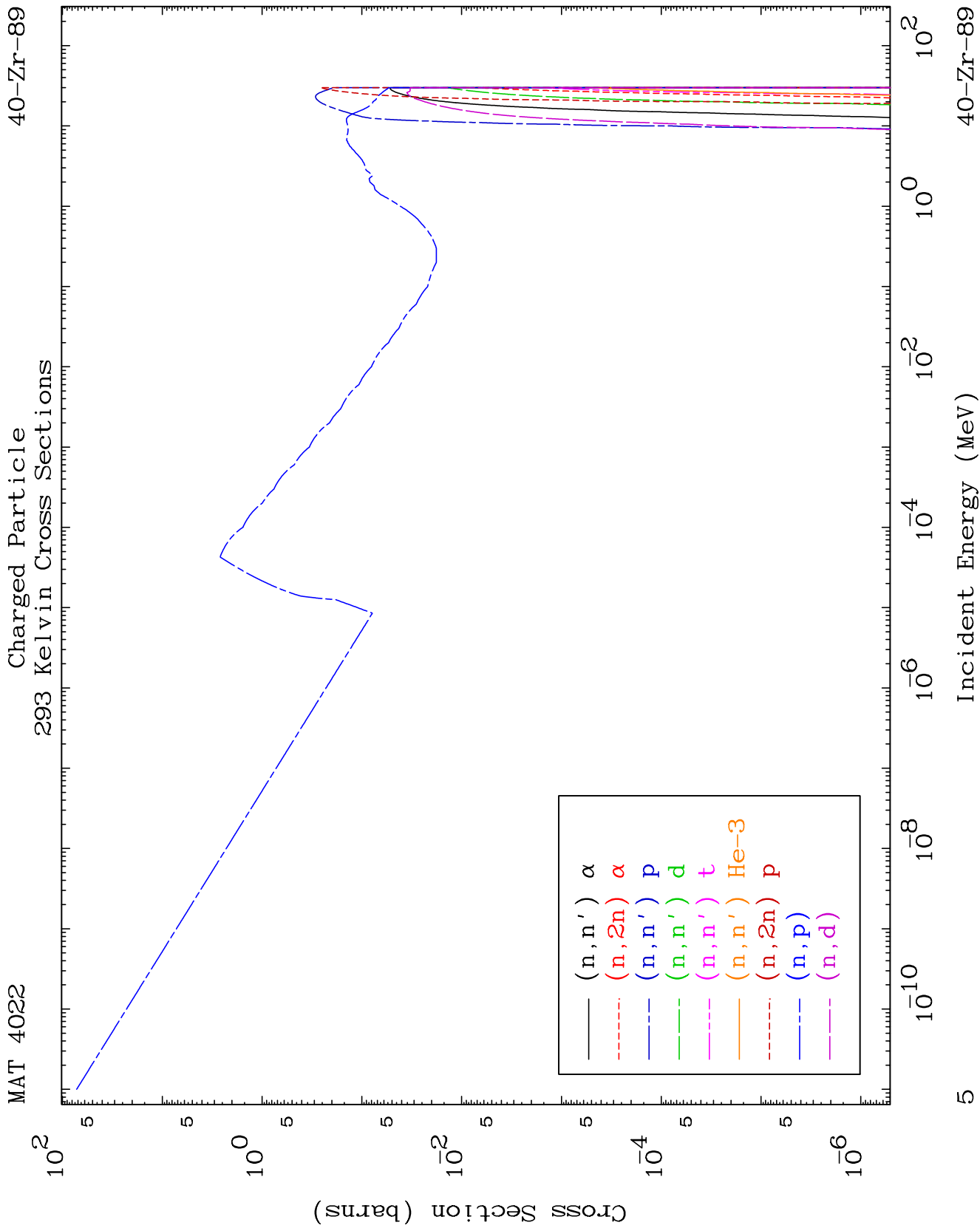
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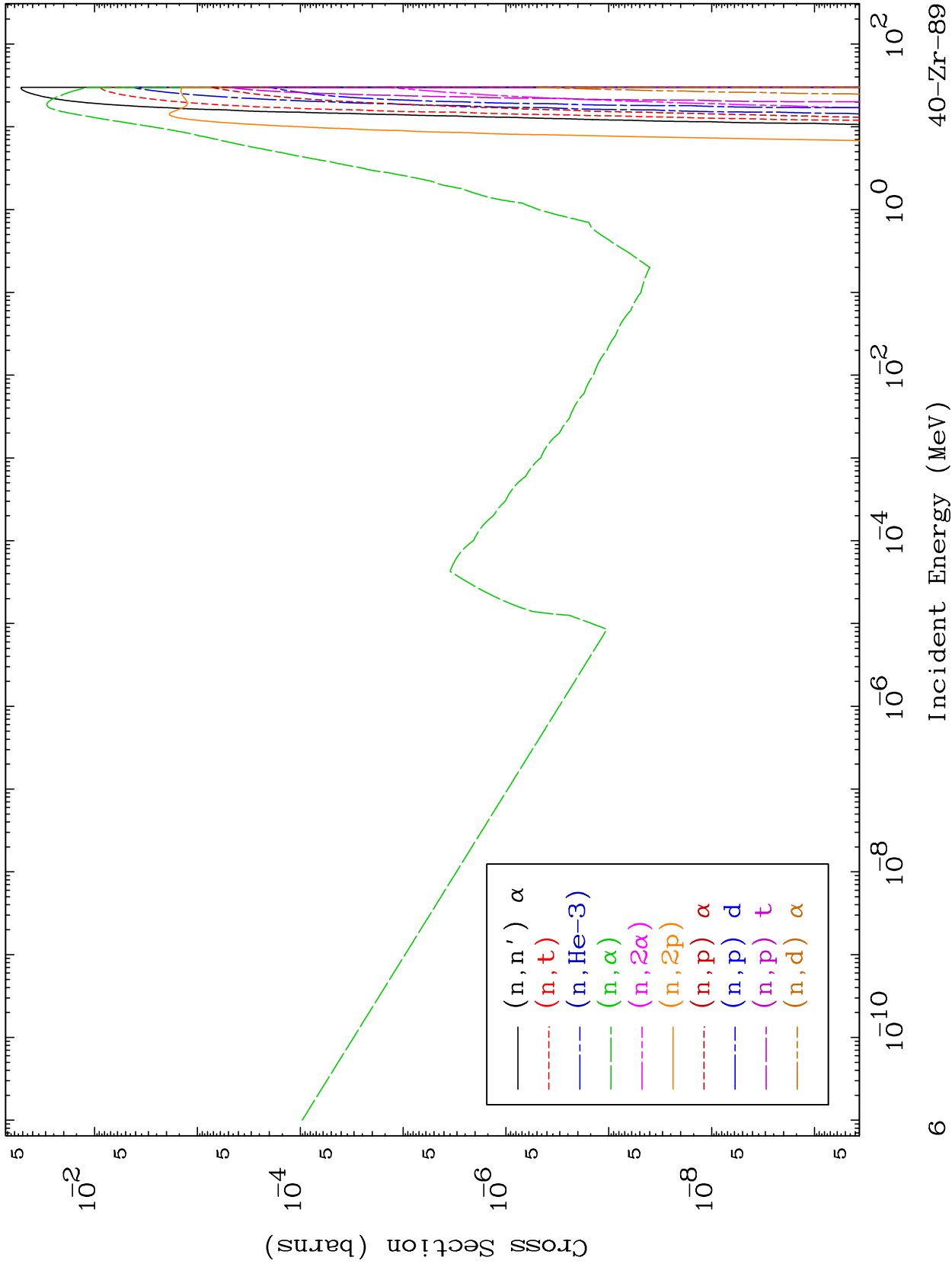
Incident Energy (MeV)

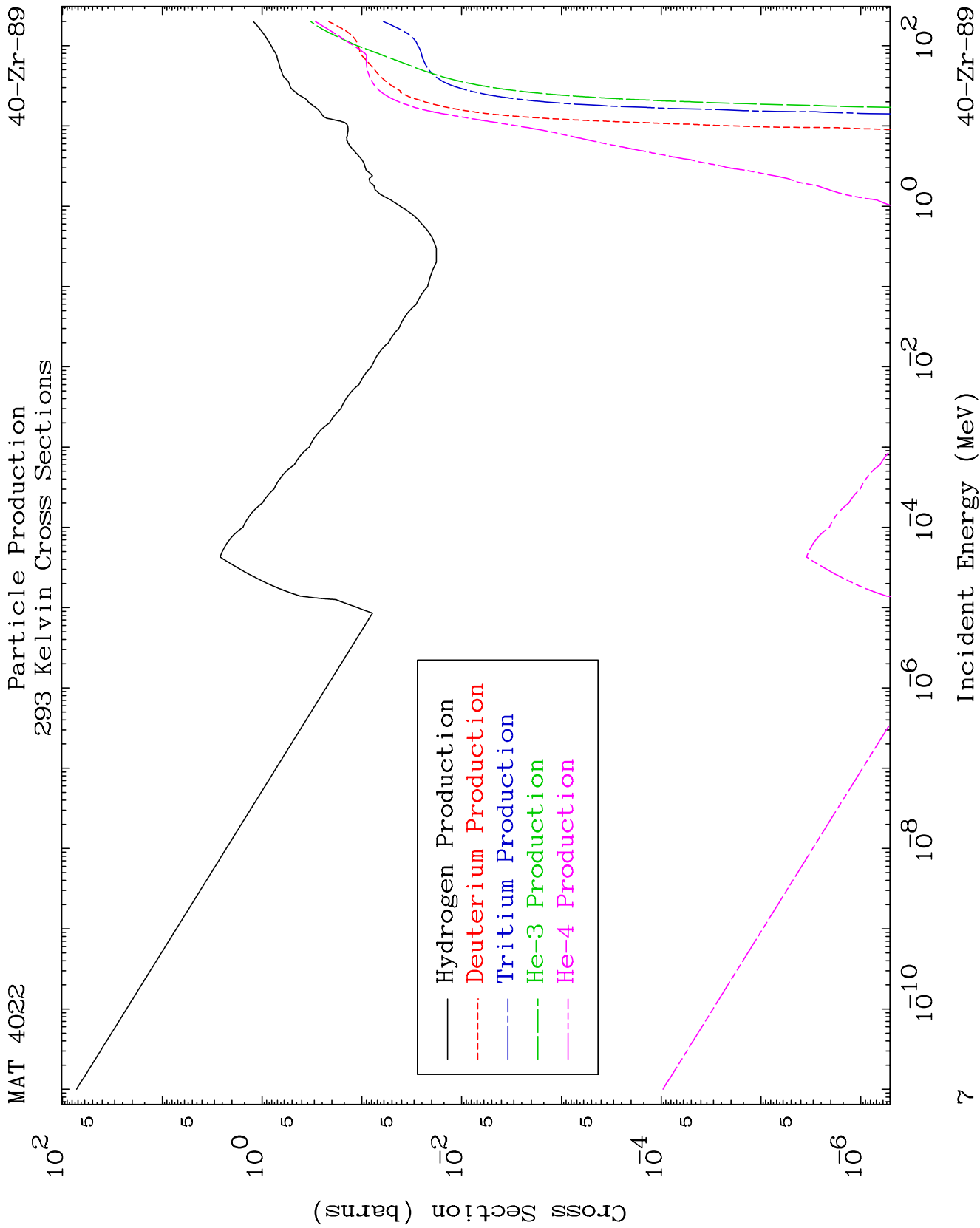
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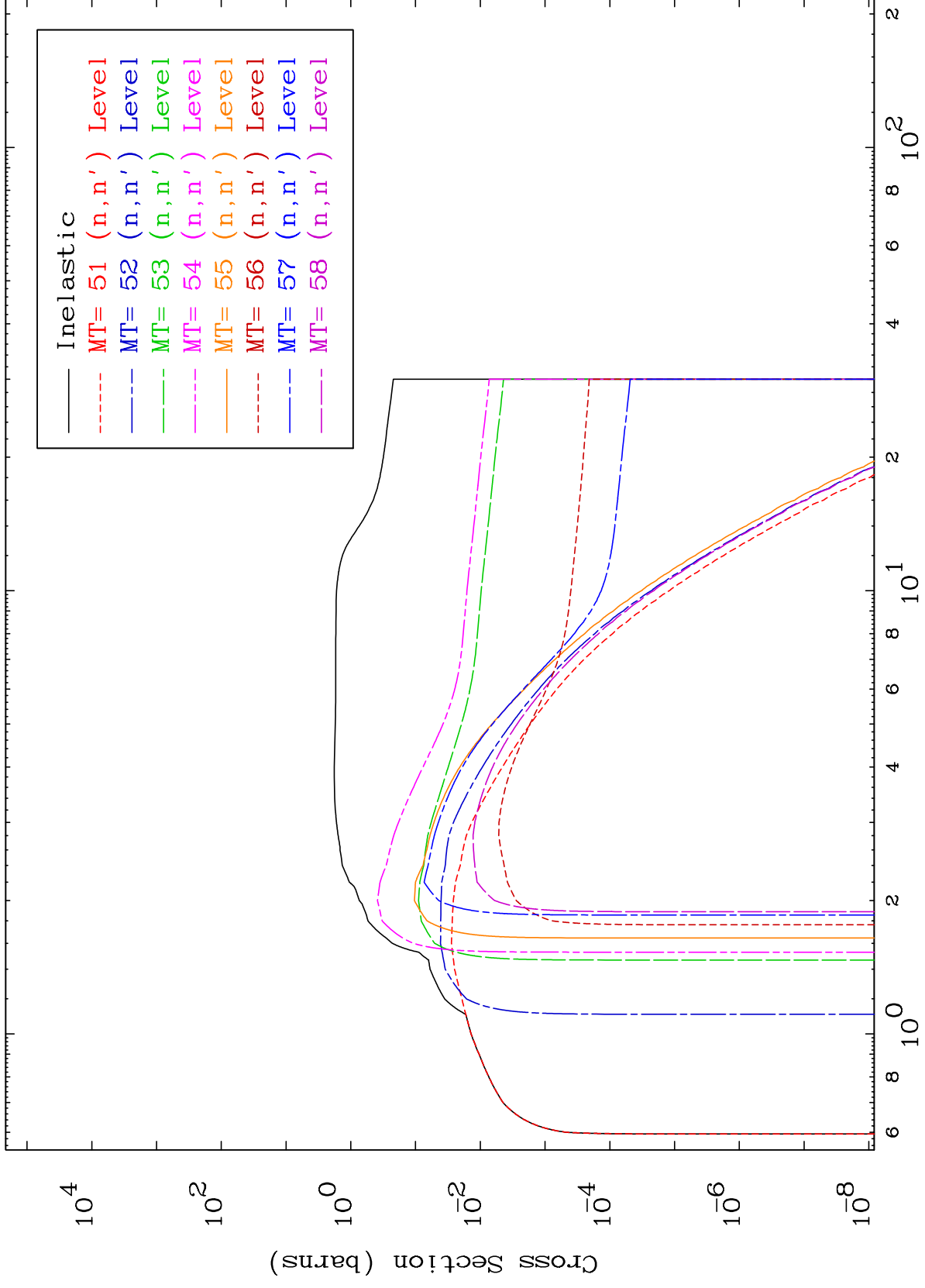




MAT 4022

(n,n') Levels
293 Kelvin Cross Sections

40-Zr-89



8

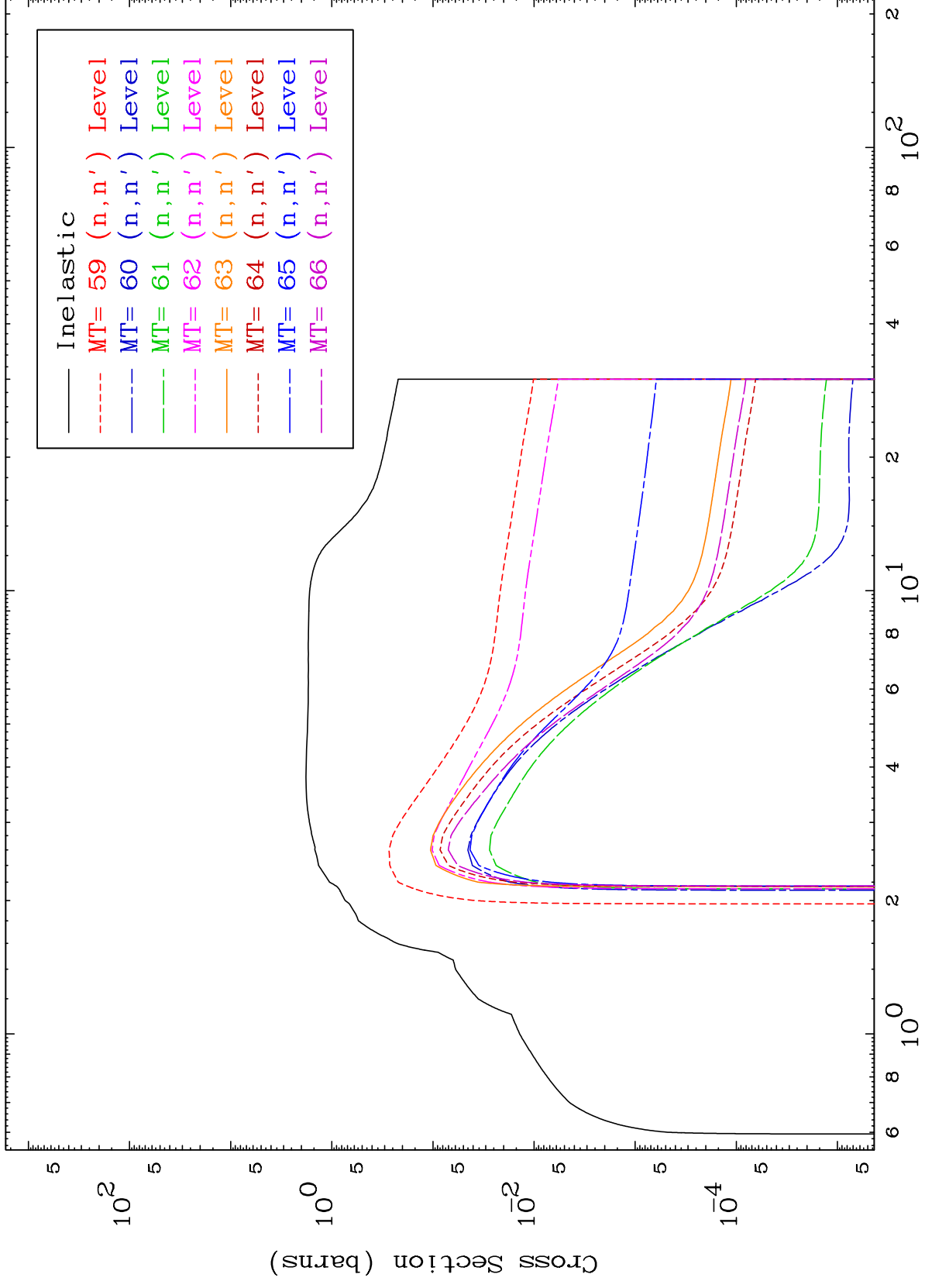
Incident Energy (MeV)

40-Zr-89

MAT 4022

(n,n') Levels
293 Kelvin Cross Sections

40-Zr-89



9

Incident Energy (MeV)

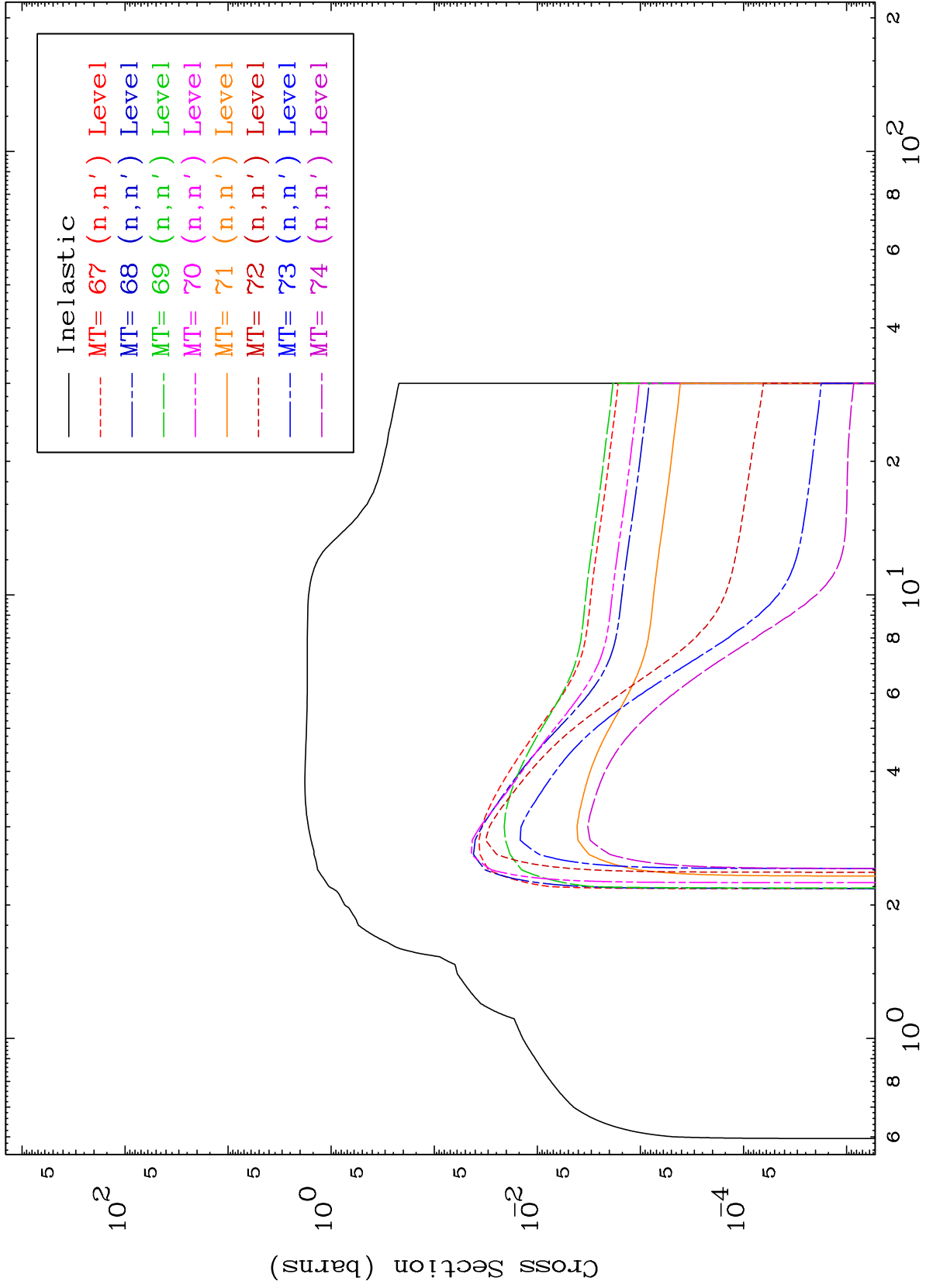
40-Zr-89

MAT 4022

(n,n') Levels

293 Kelvin Cross Sections

40-Zr-89

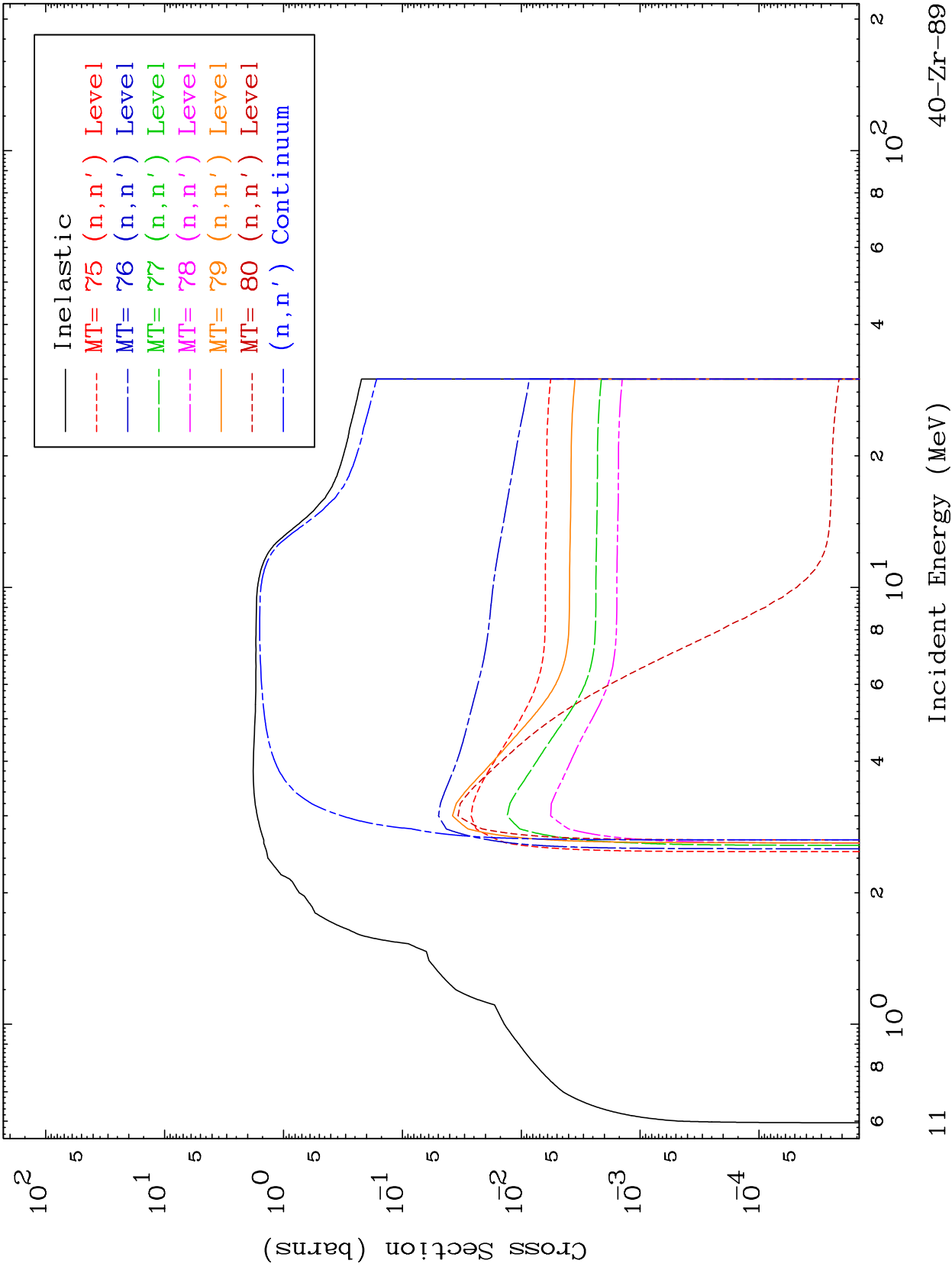


10

Incident Energy (MeV)

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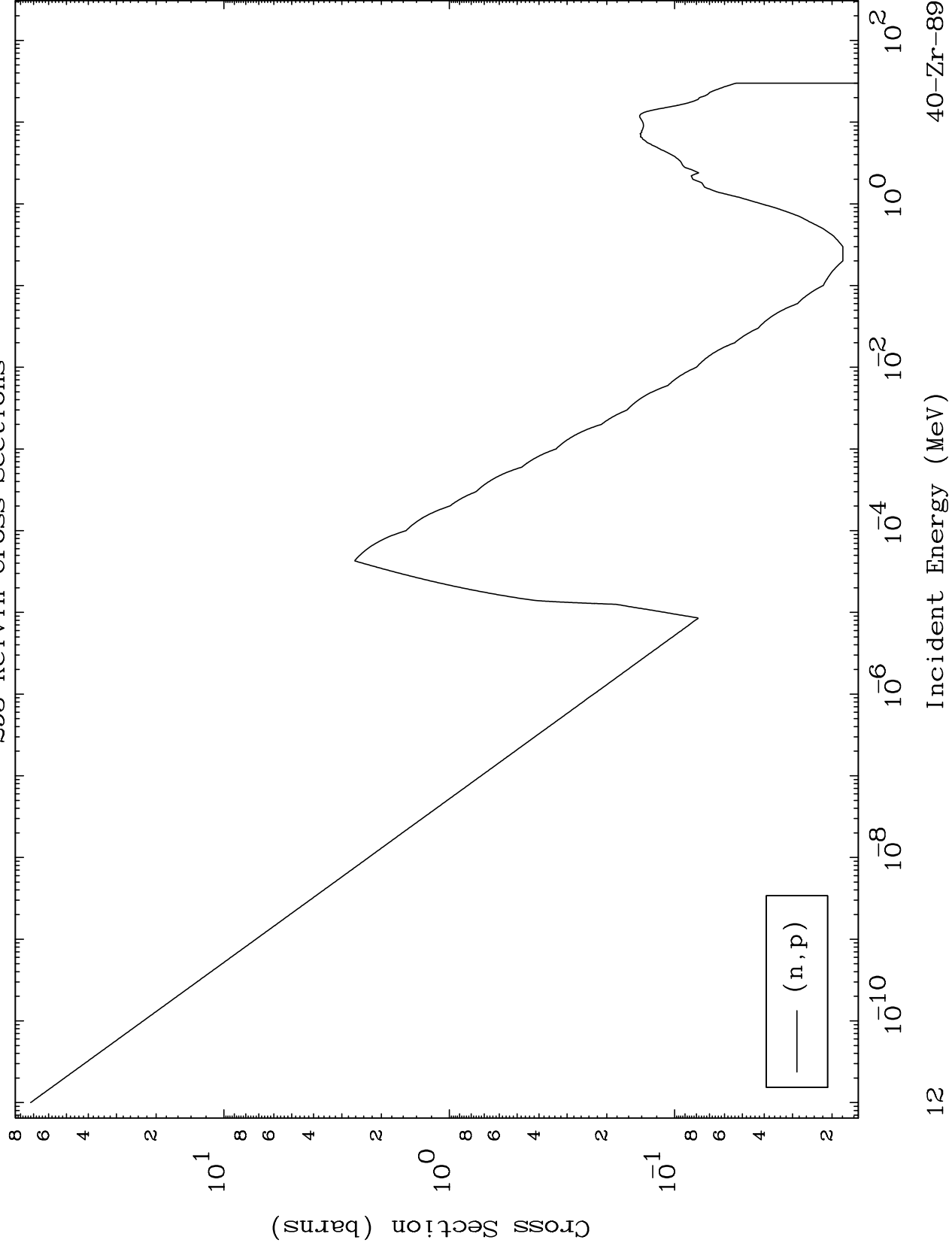
293 Kelvin Cross Sections



MAT 4022

(n,p) Levels
293 Kelvin Cross Sections

40-Zr-89



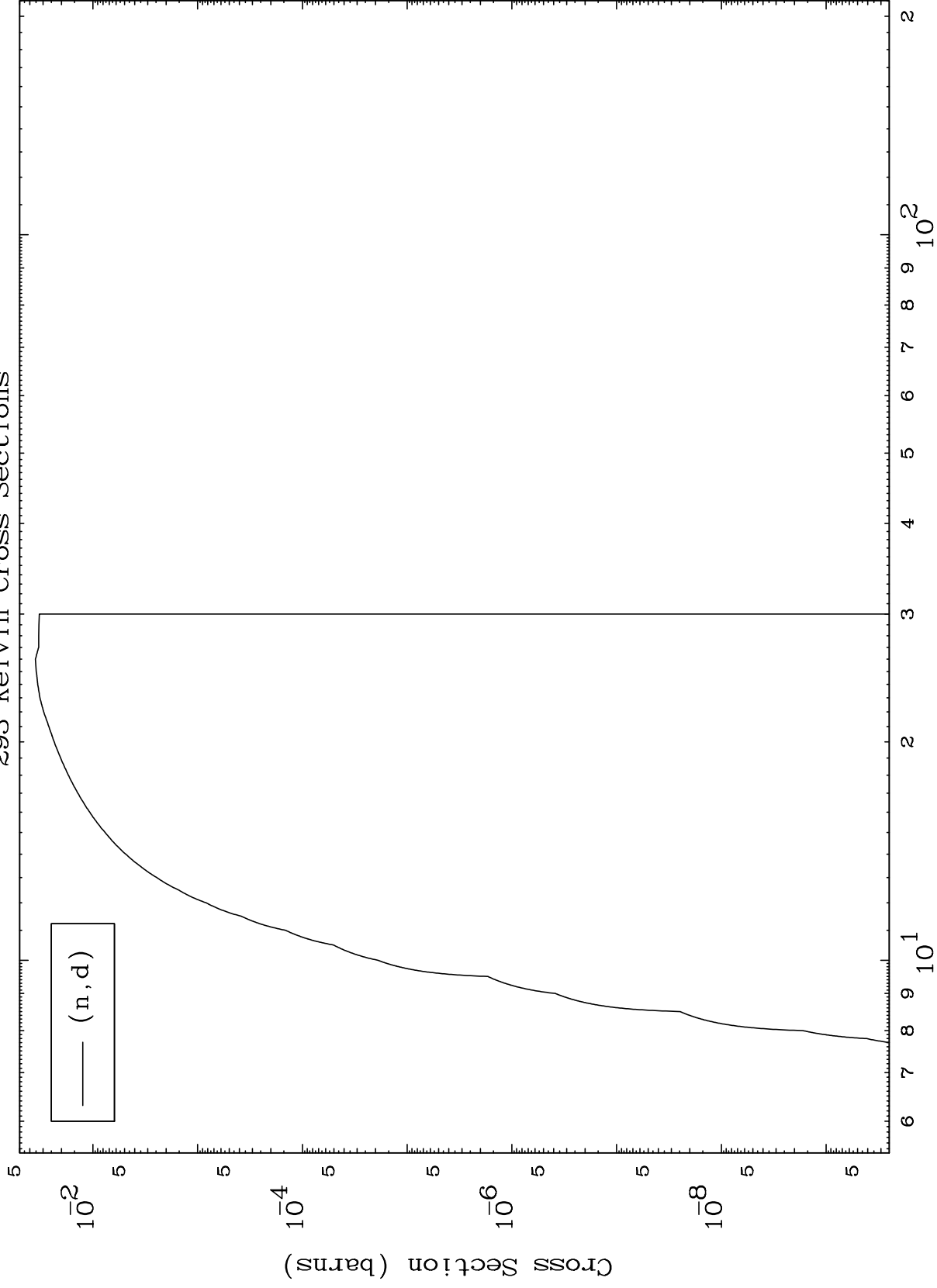
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40-Zr-89

MAT 4022

(n,d) Levels
293 Kelvin Cross Sections

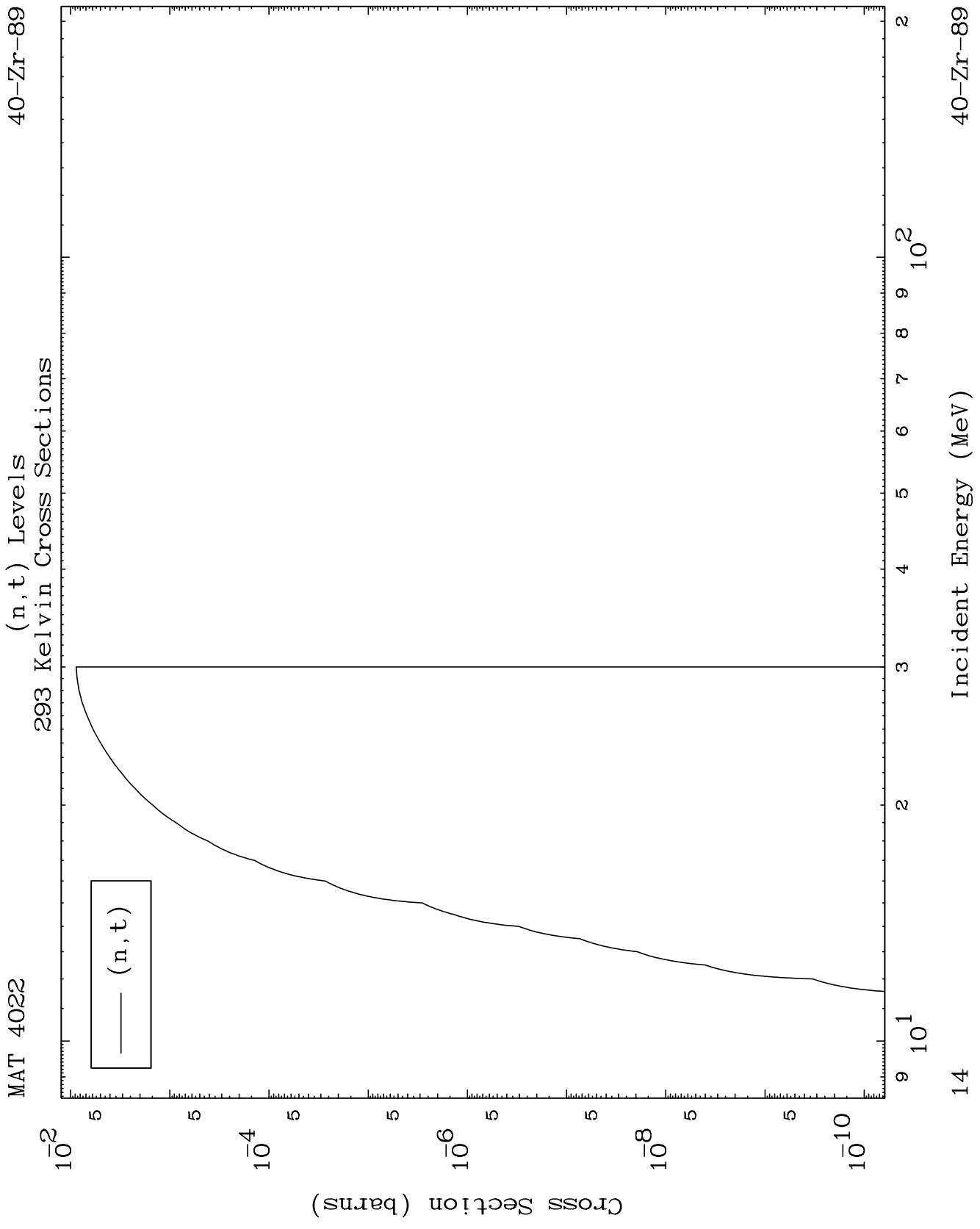
40-Zr-89



Incident Energy (MeV)

40-Zr-89

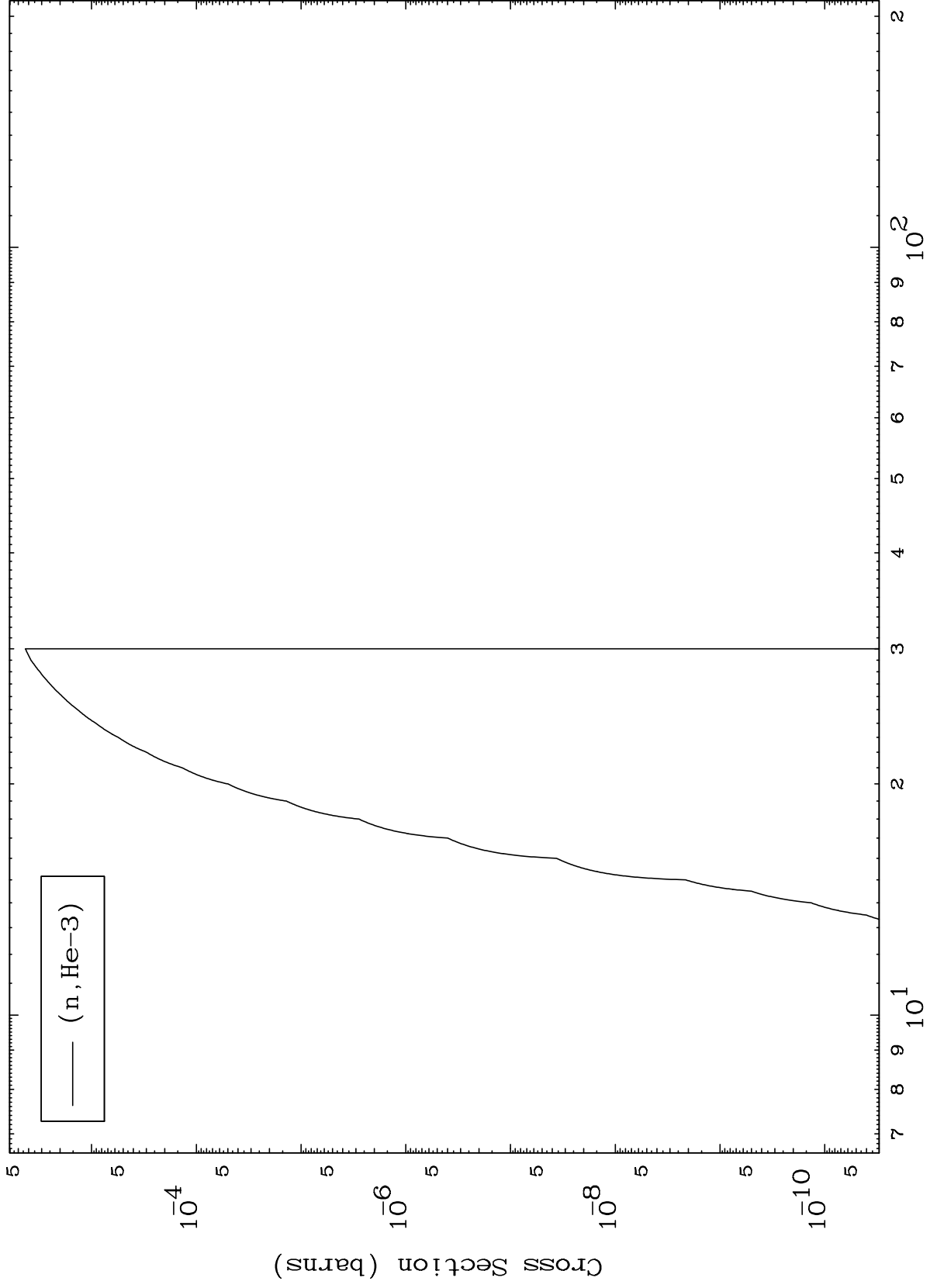
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MAT 4022

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-89



15

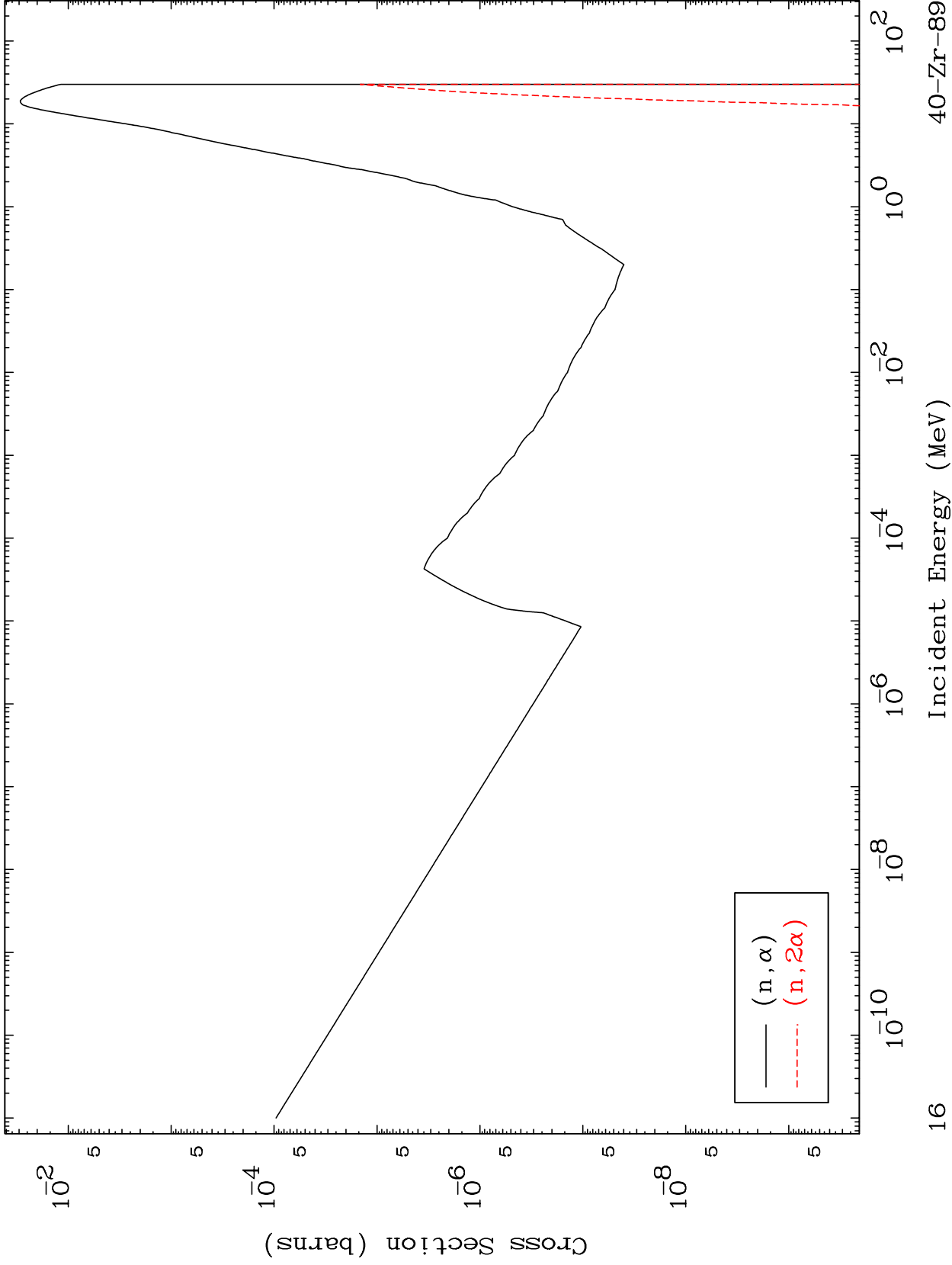
Incident Energy (MeV)

40-Zr-89

MAT 4022

(n, α) Levels
293 Kelvin Cross Sections

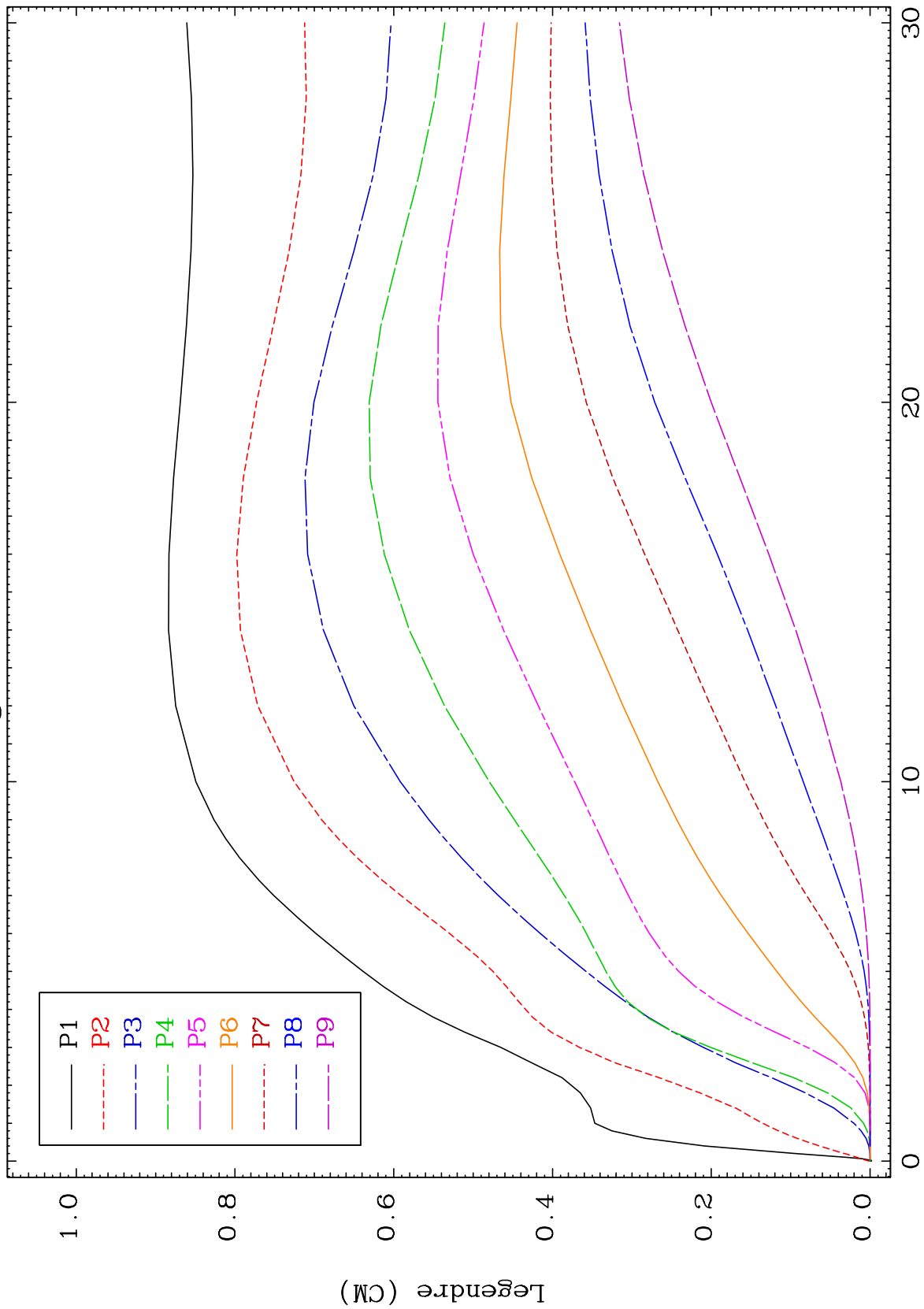
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MAT 4022

Elastic Legendre Coefficients

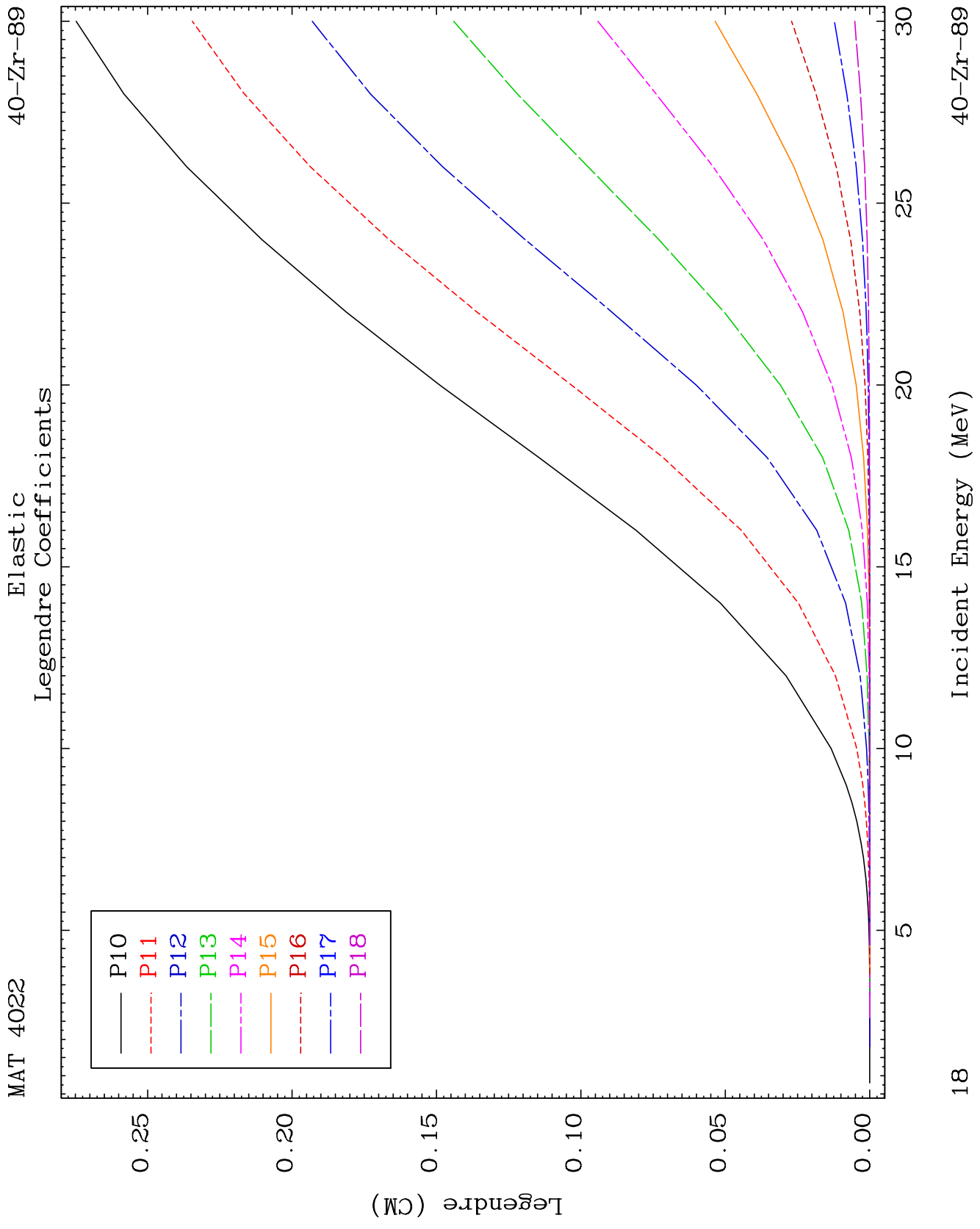
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17

Incident Energy (MeV)

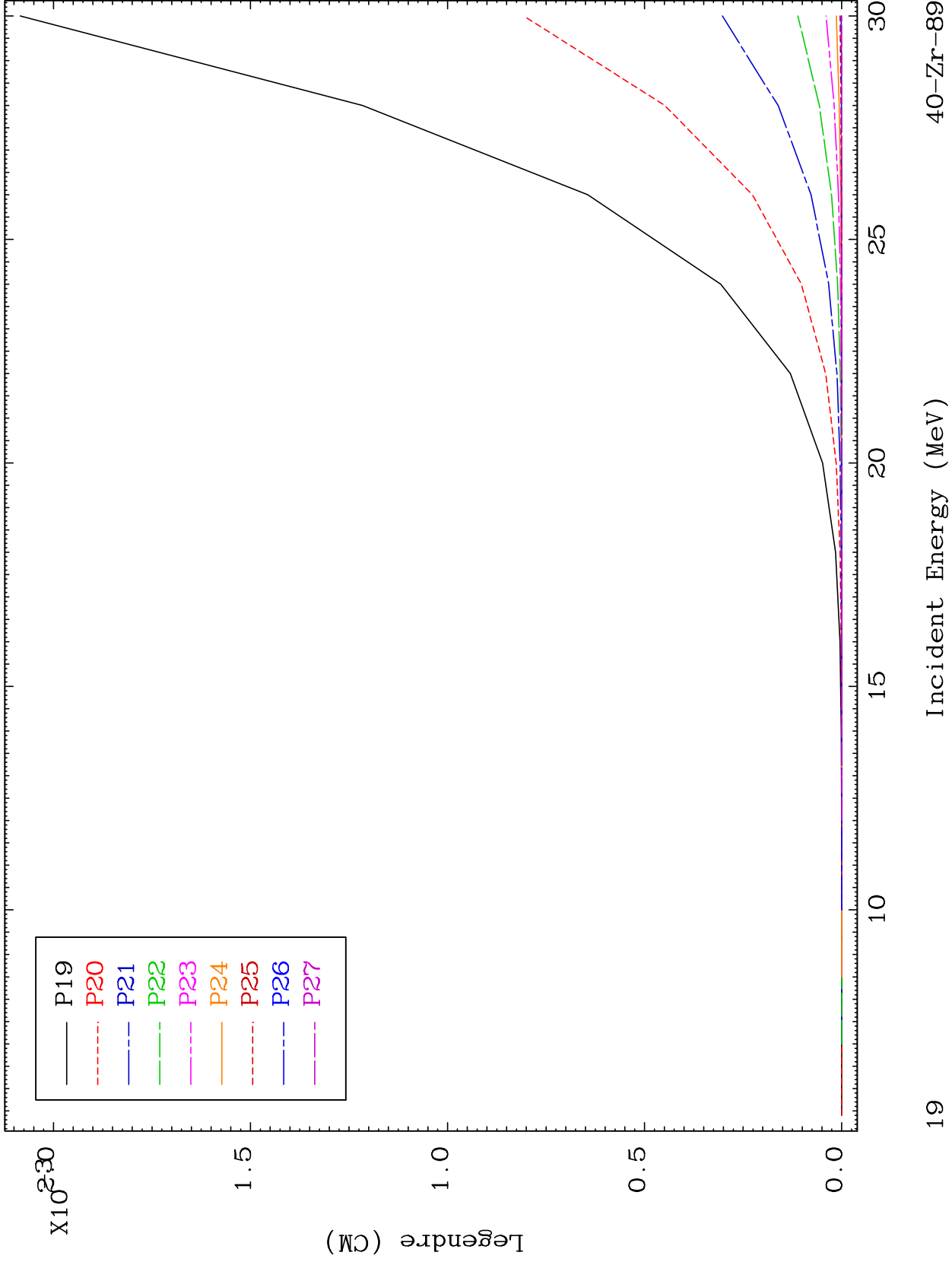
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MAT 4022

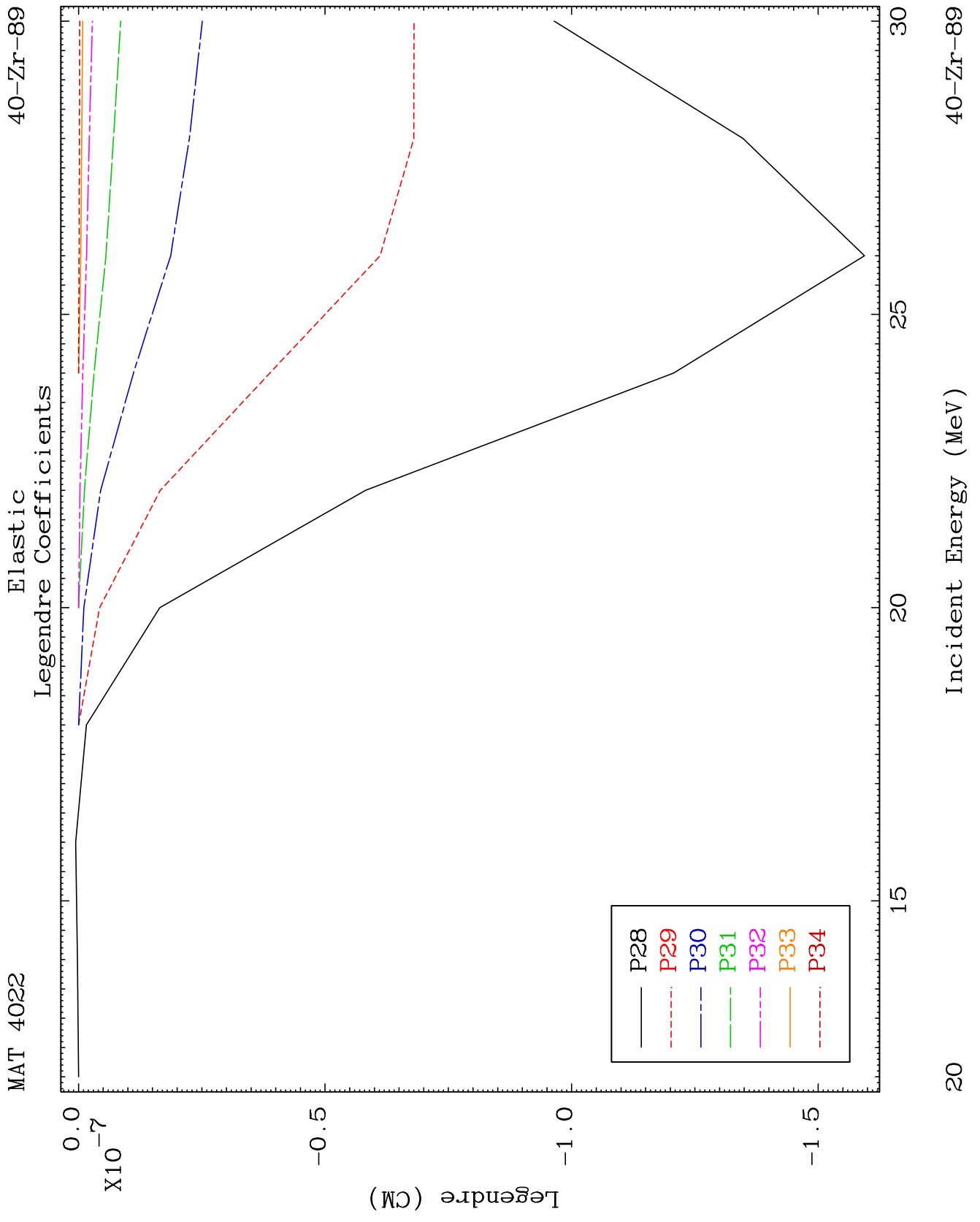
Elastic Legendre Coefficients

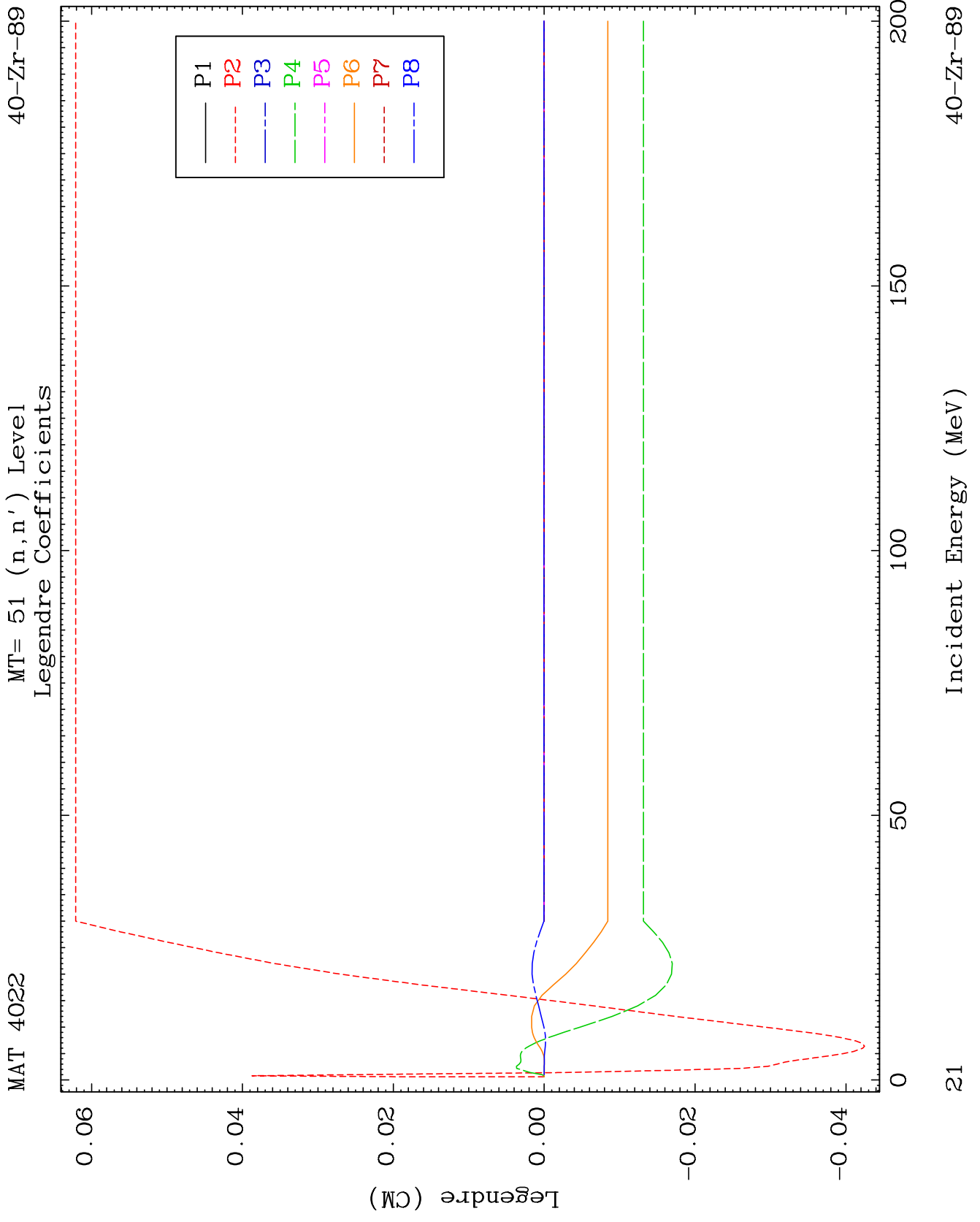
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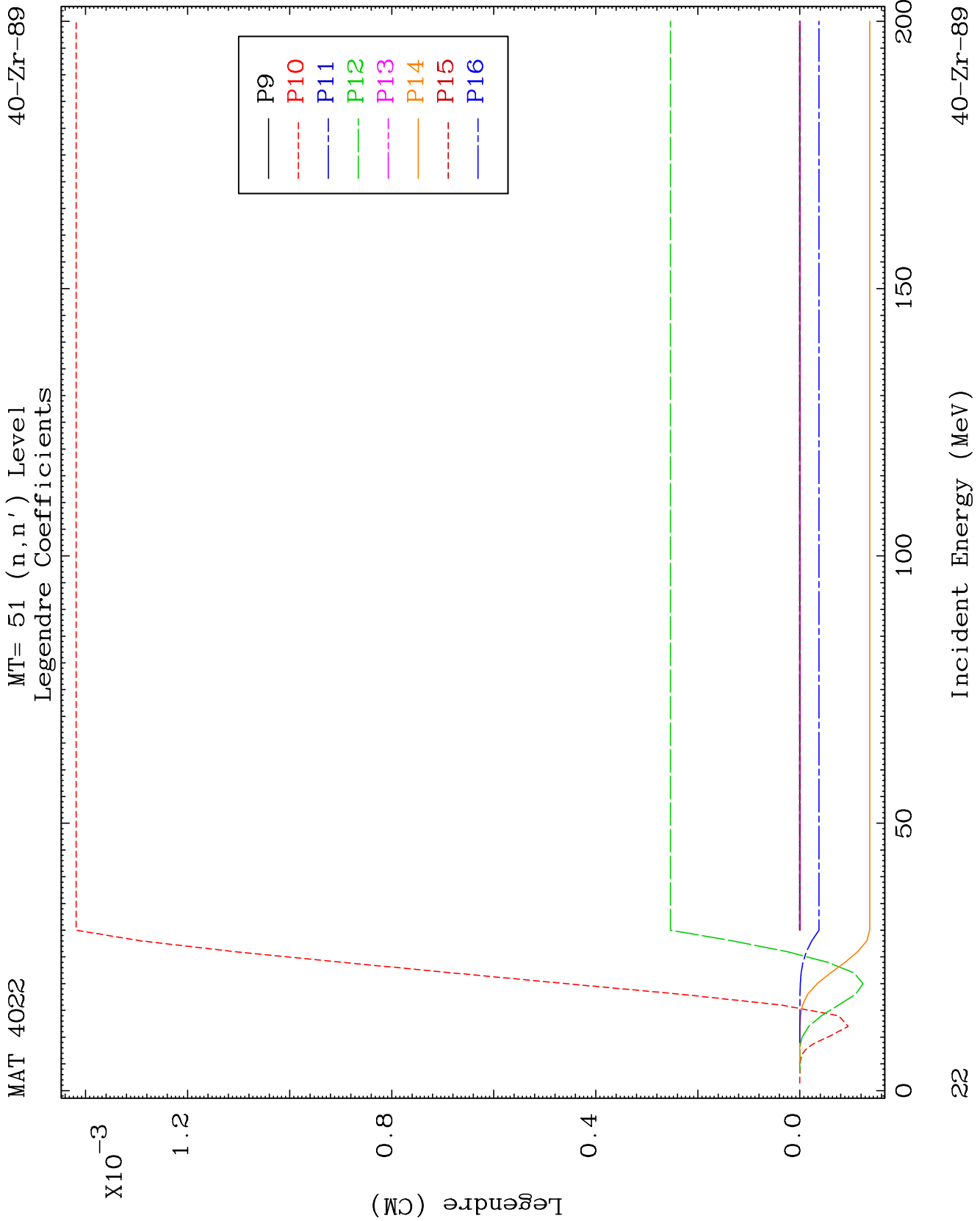


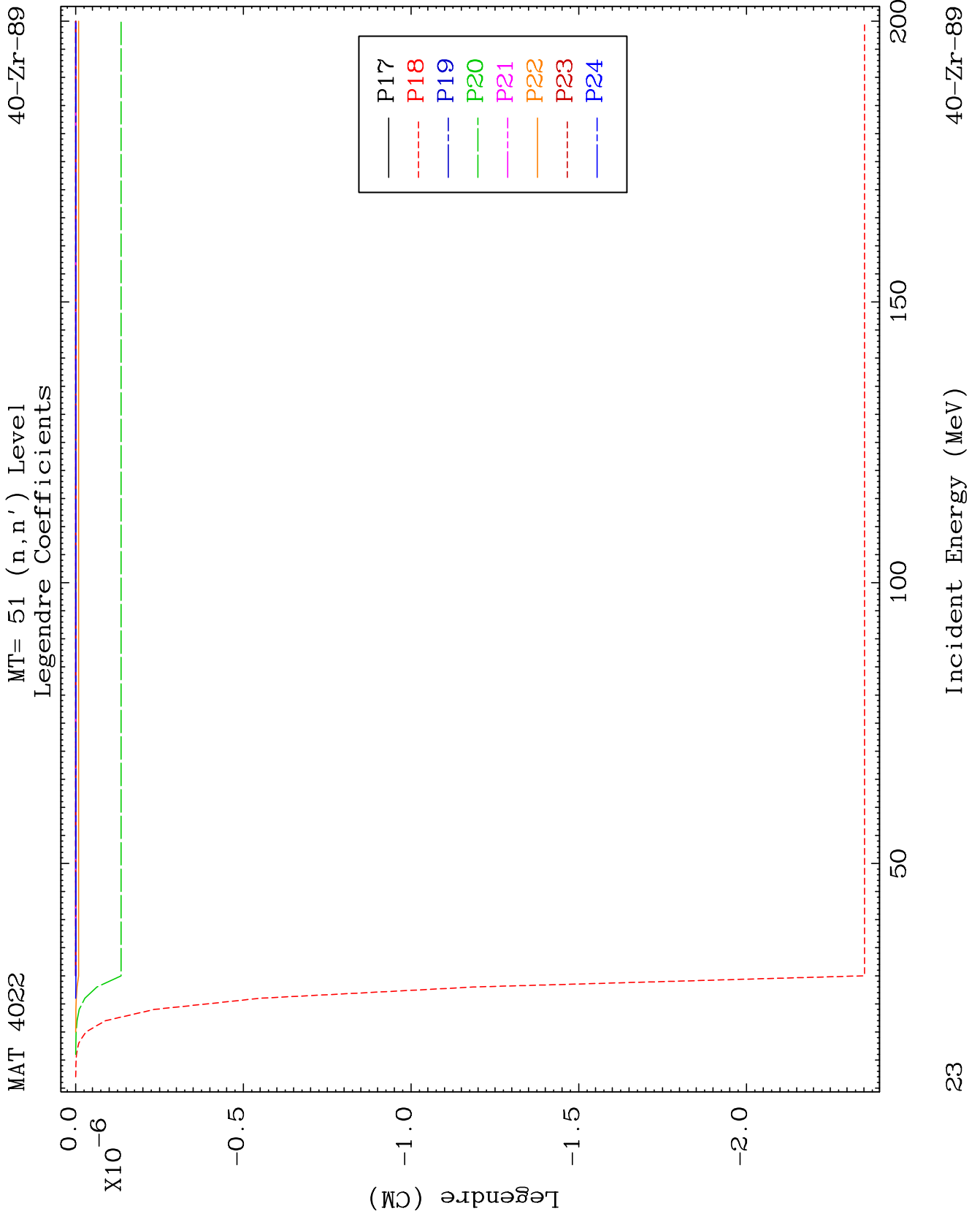
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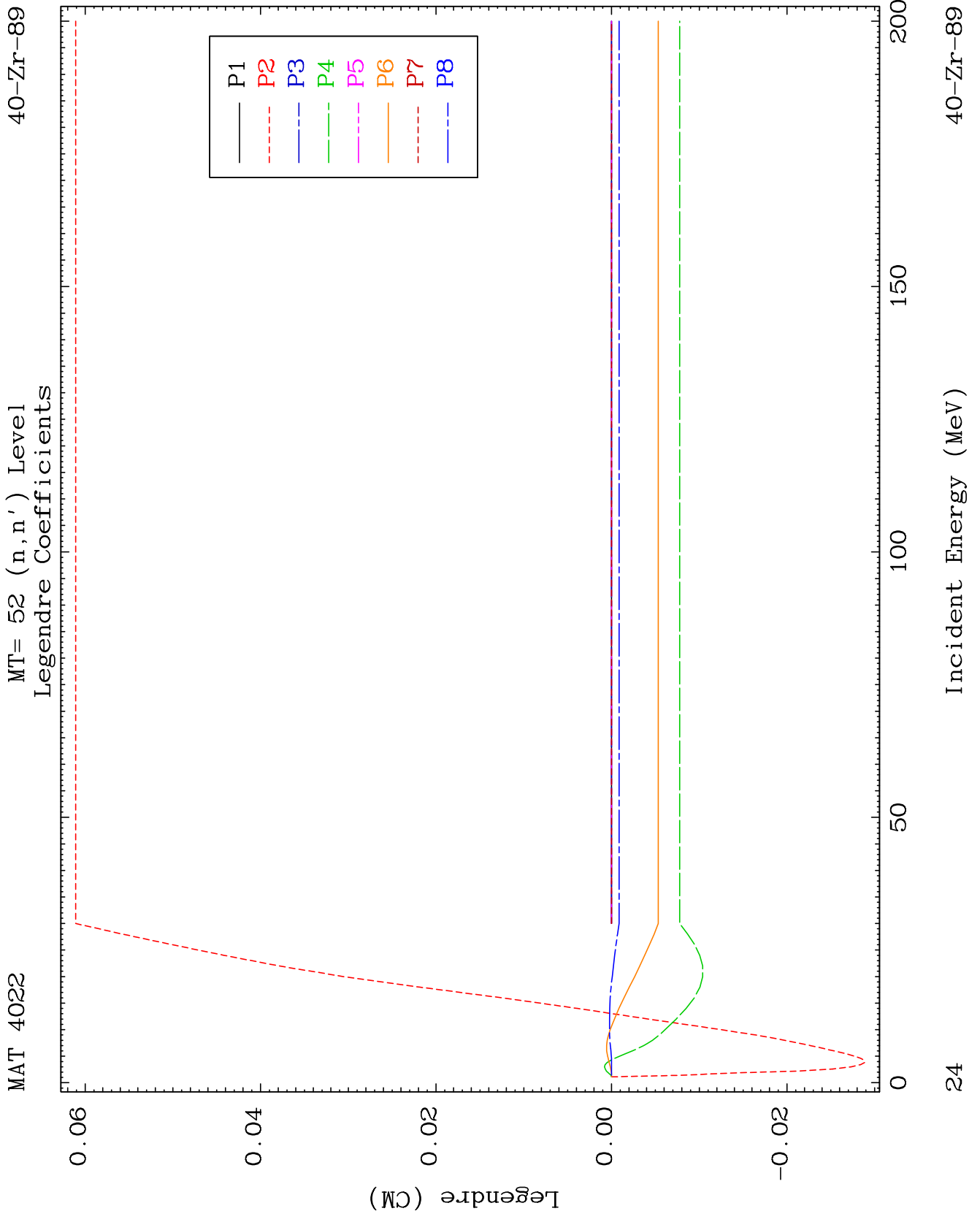
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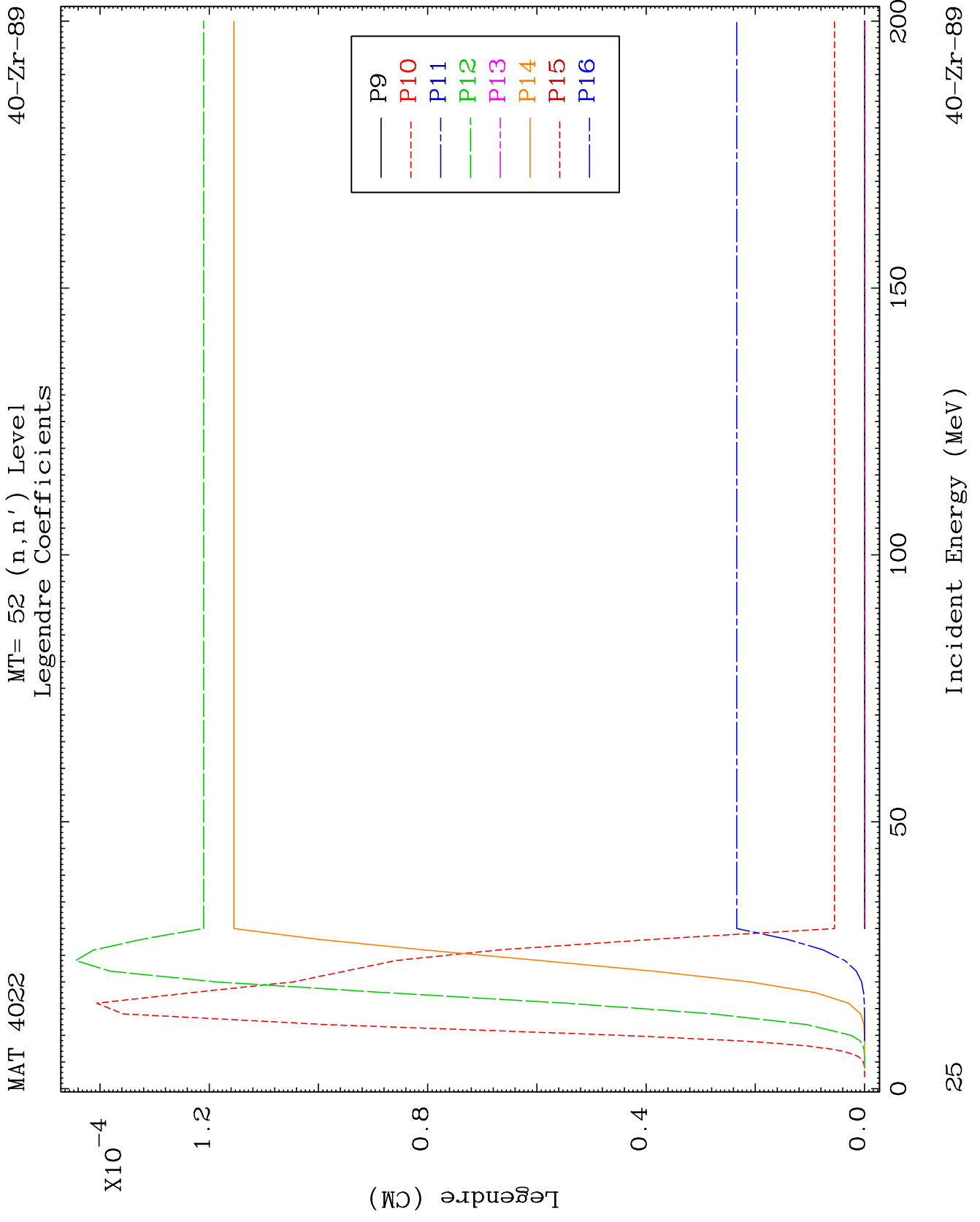


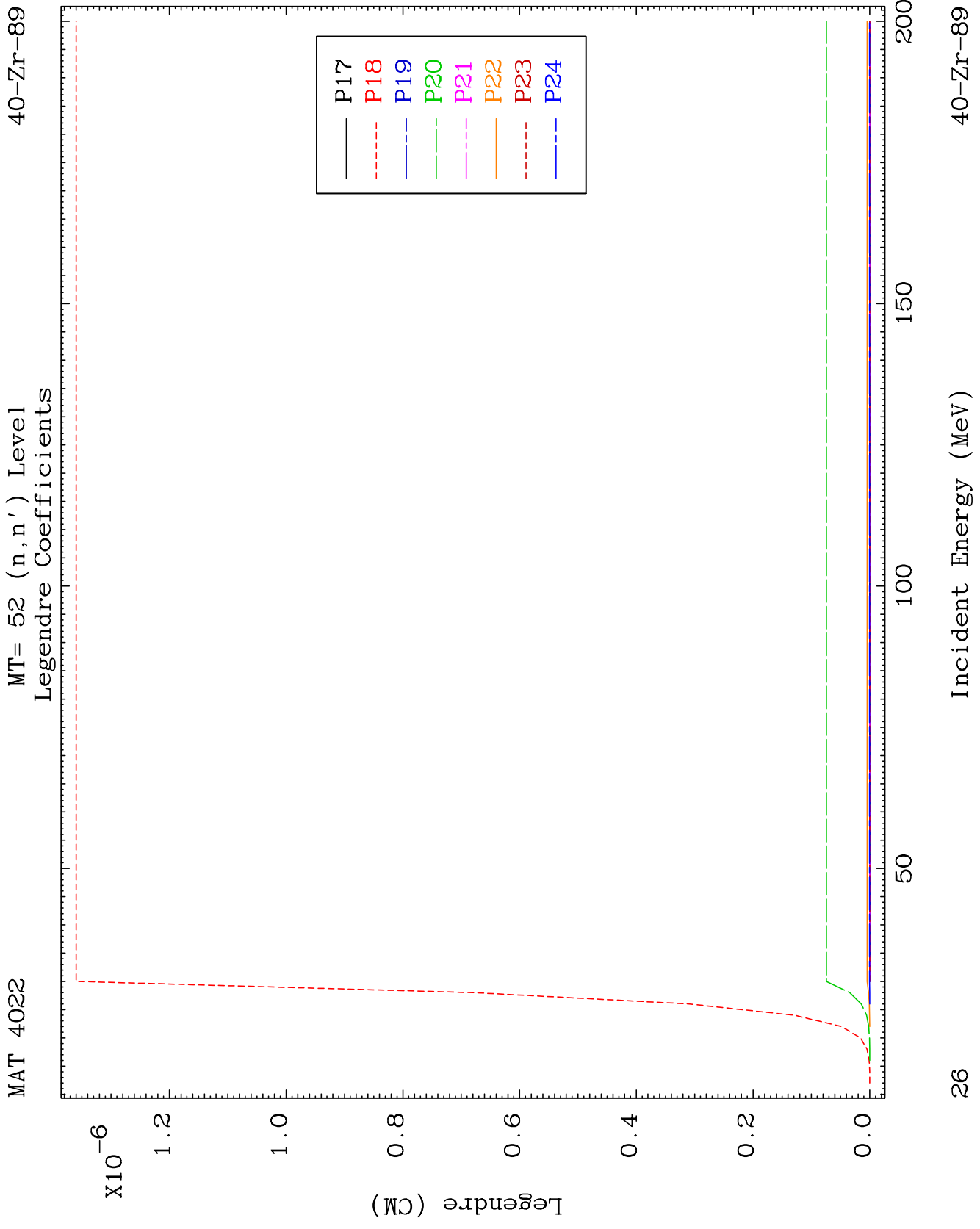


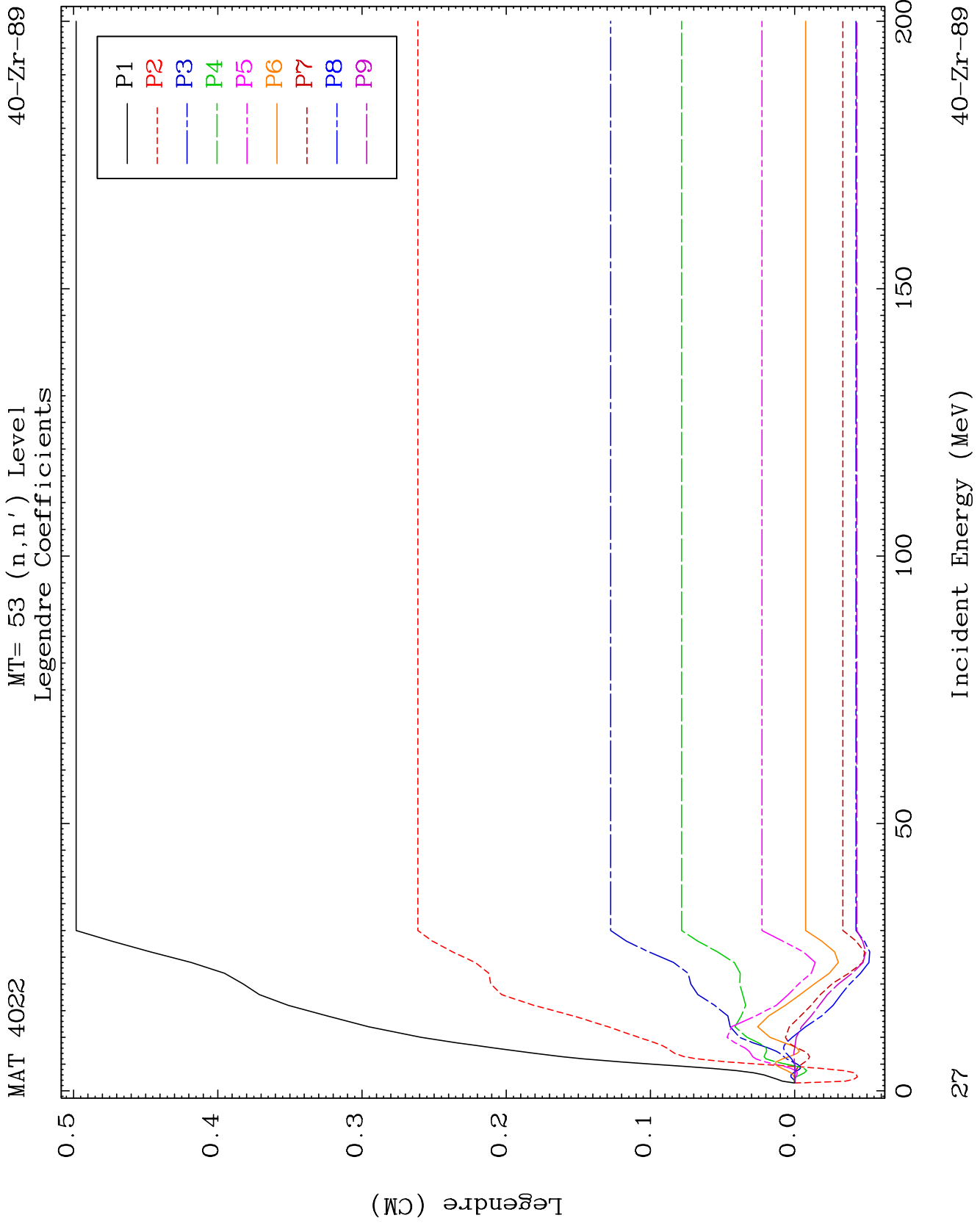








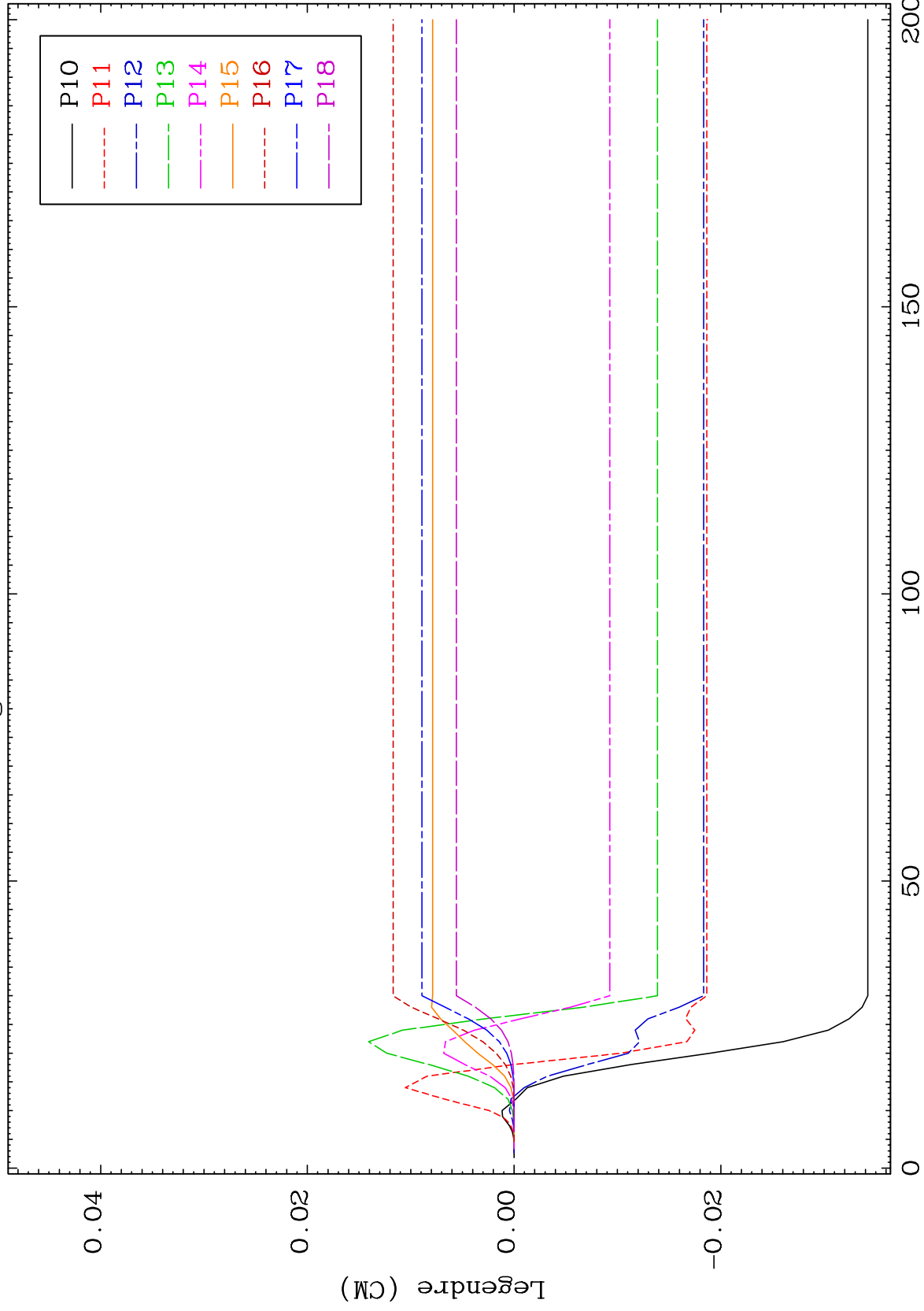




MAT 4022

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

40-Zr-89



28

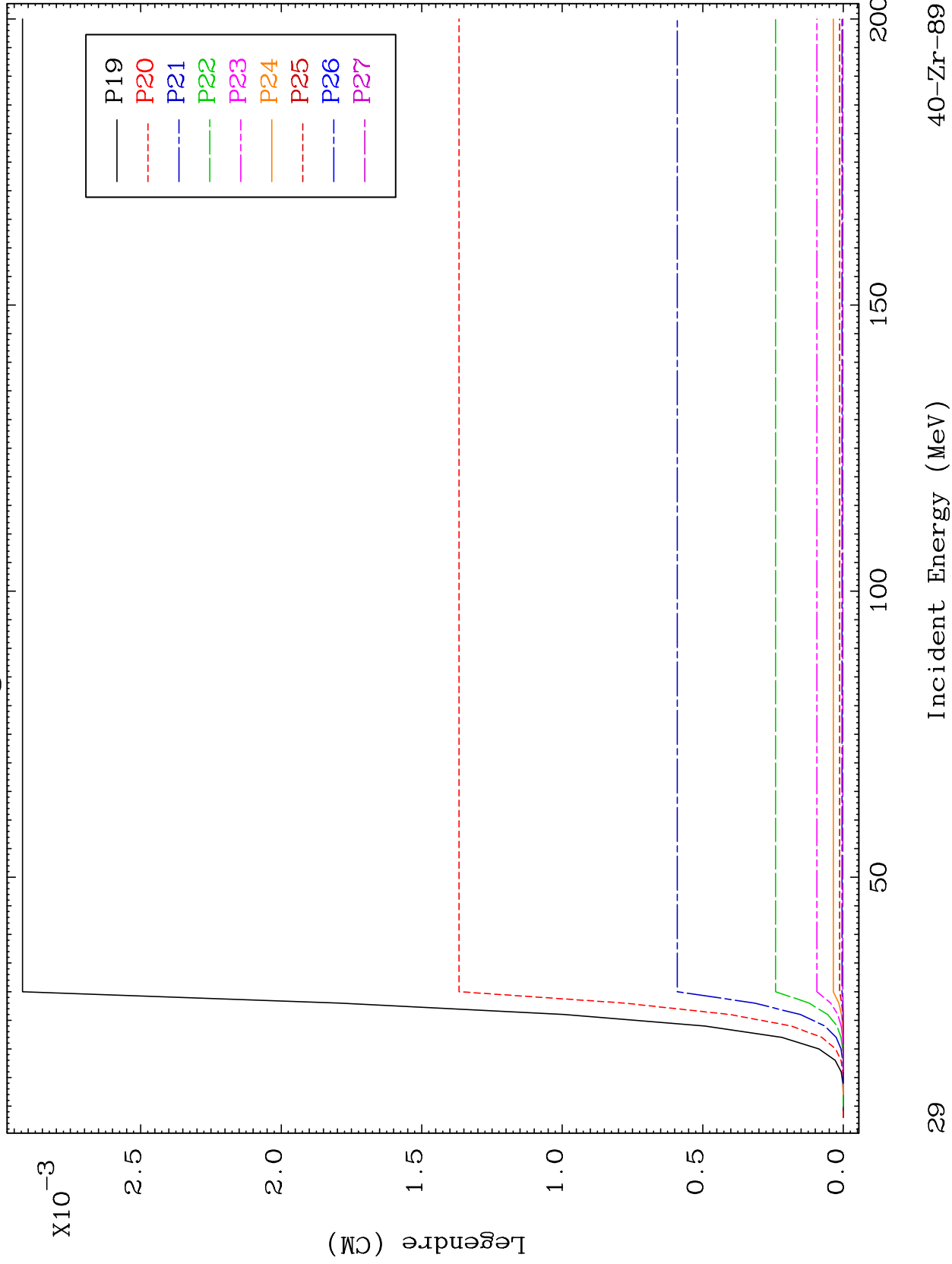
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89

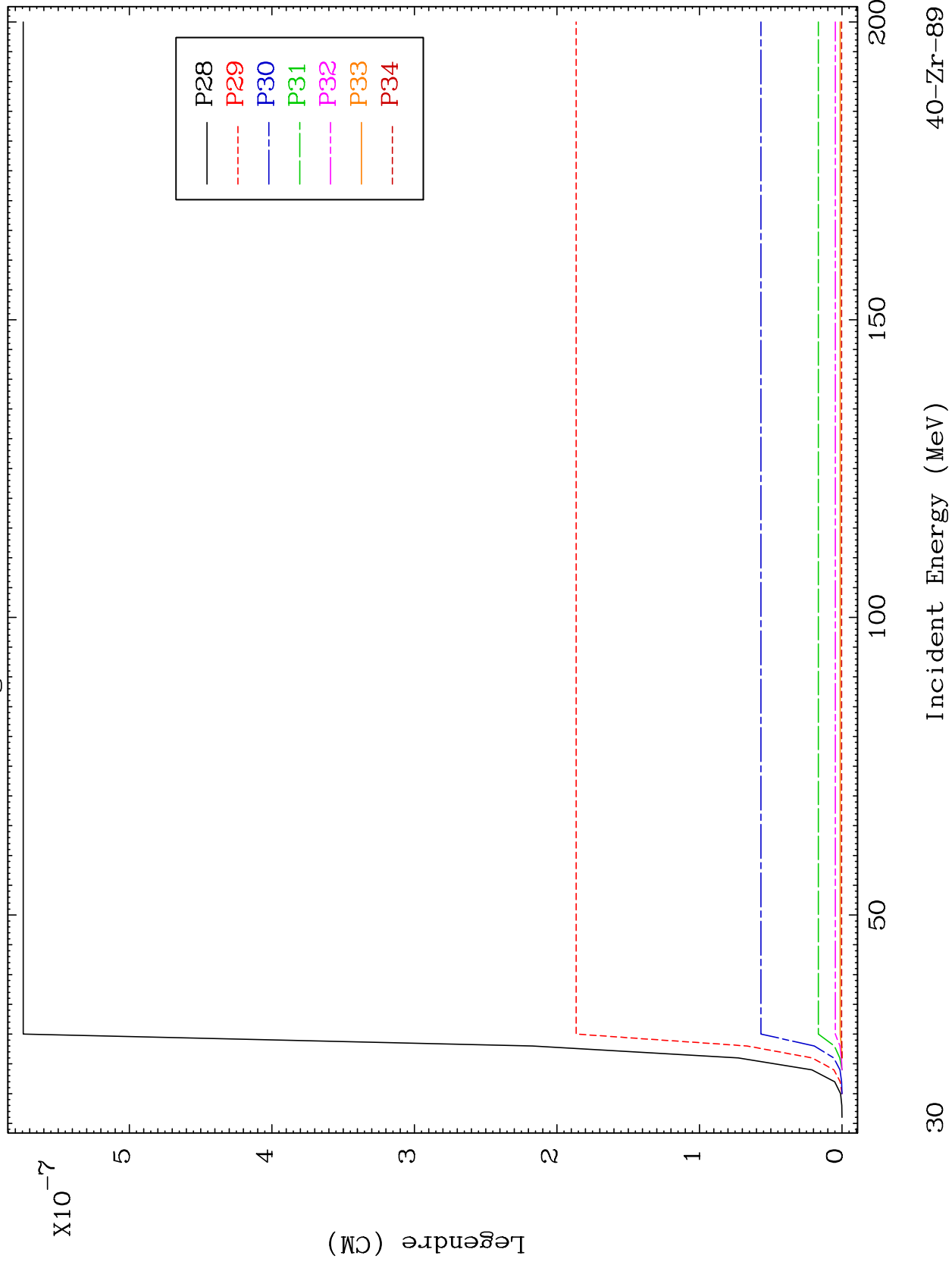


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MAT 4022

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

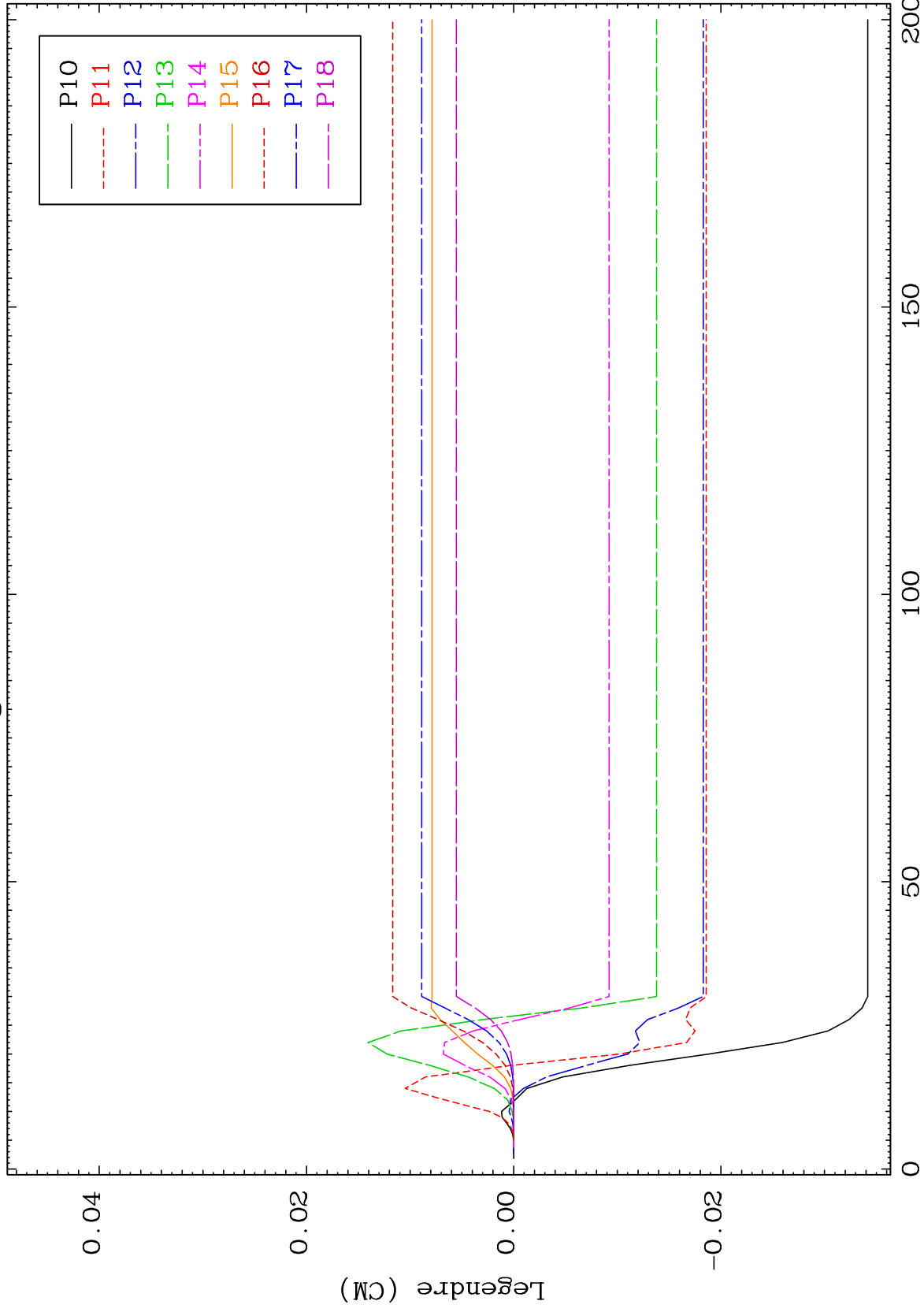
40-Zr-89



MAT 4022

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

40-Zr-89



32

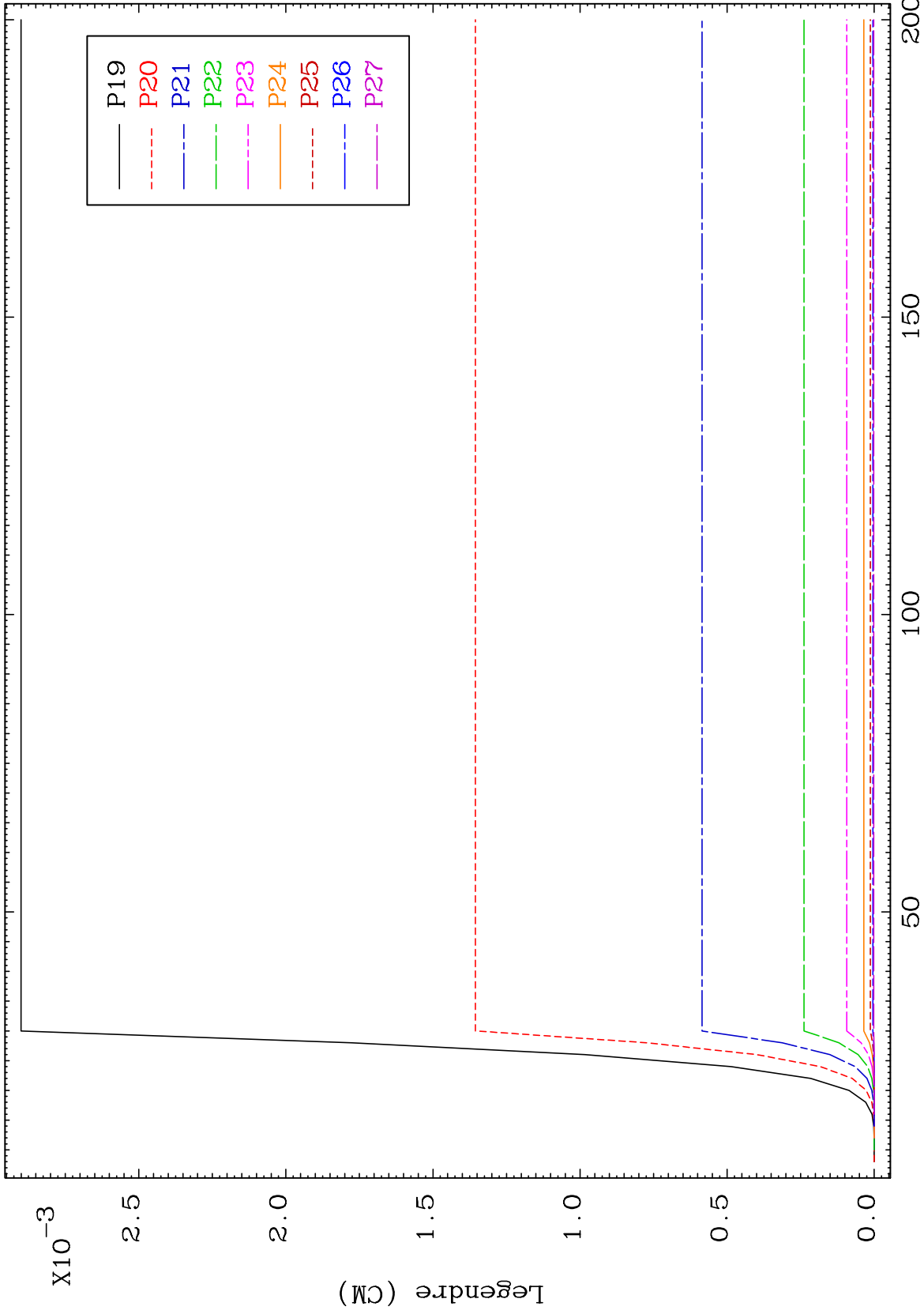
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



33

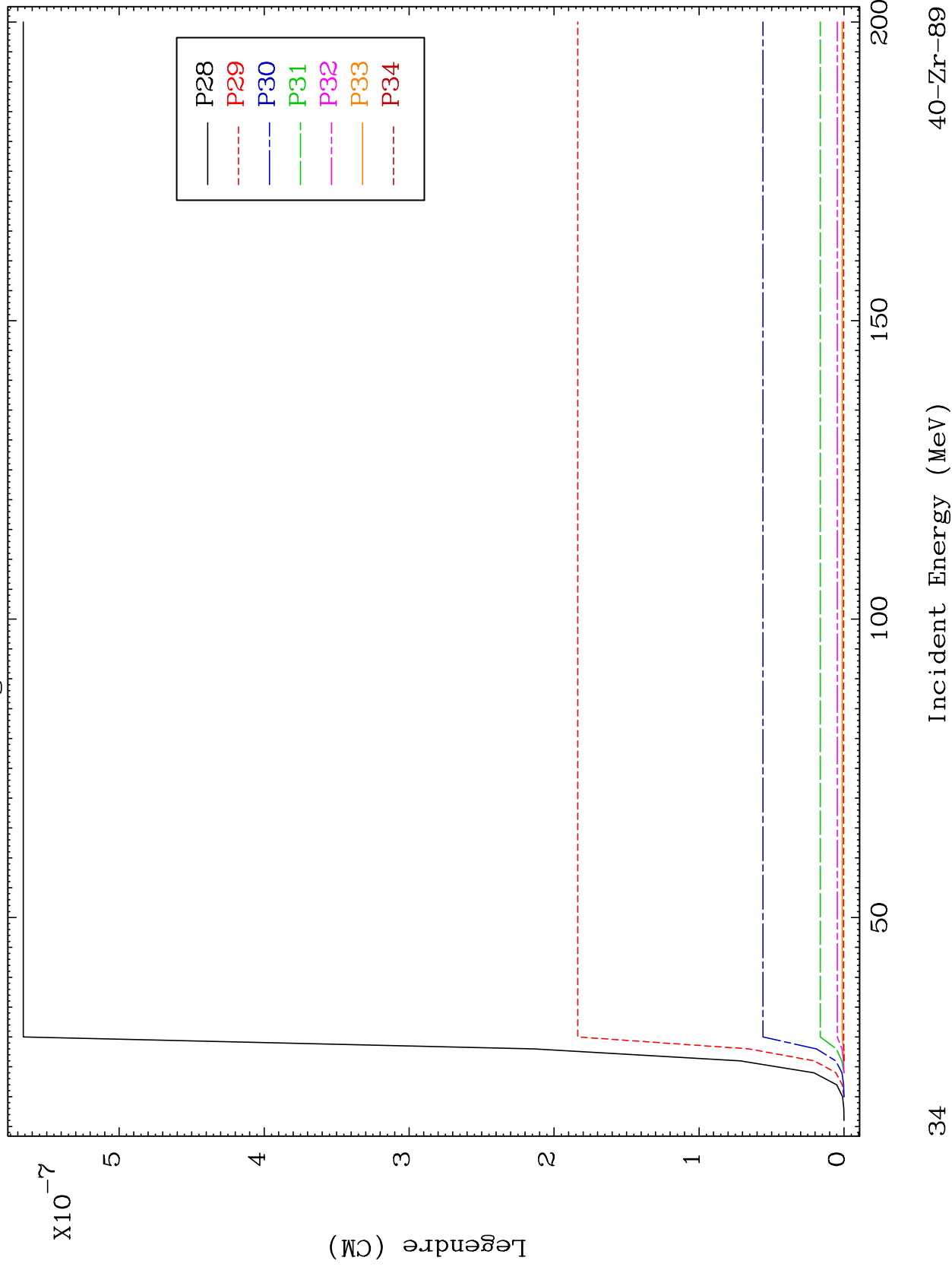
Incident Energy (MeV)

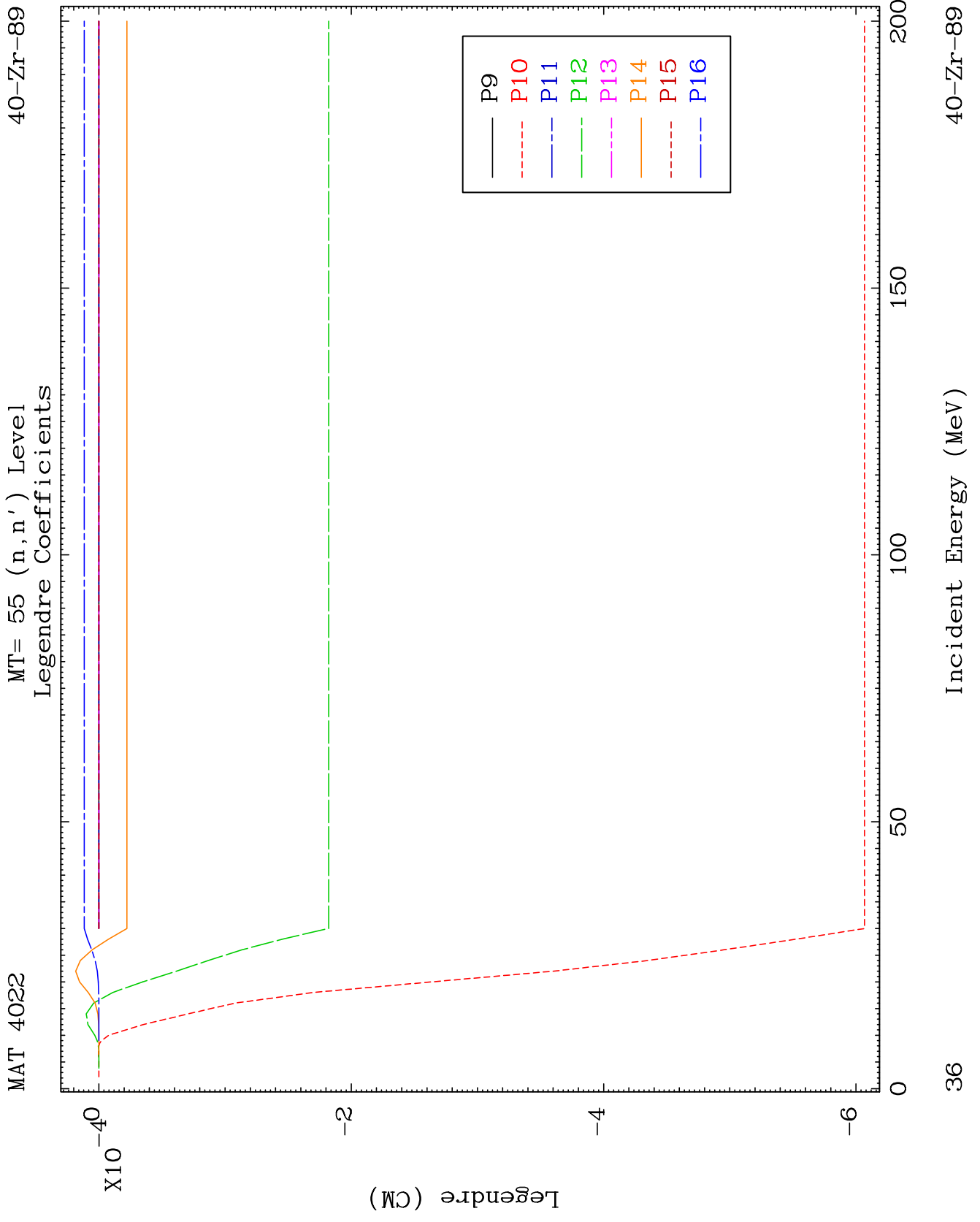
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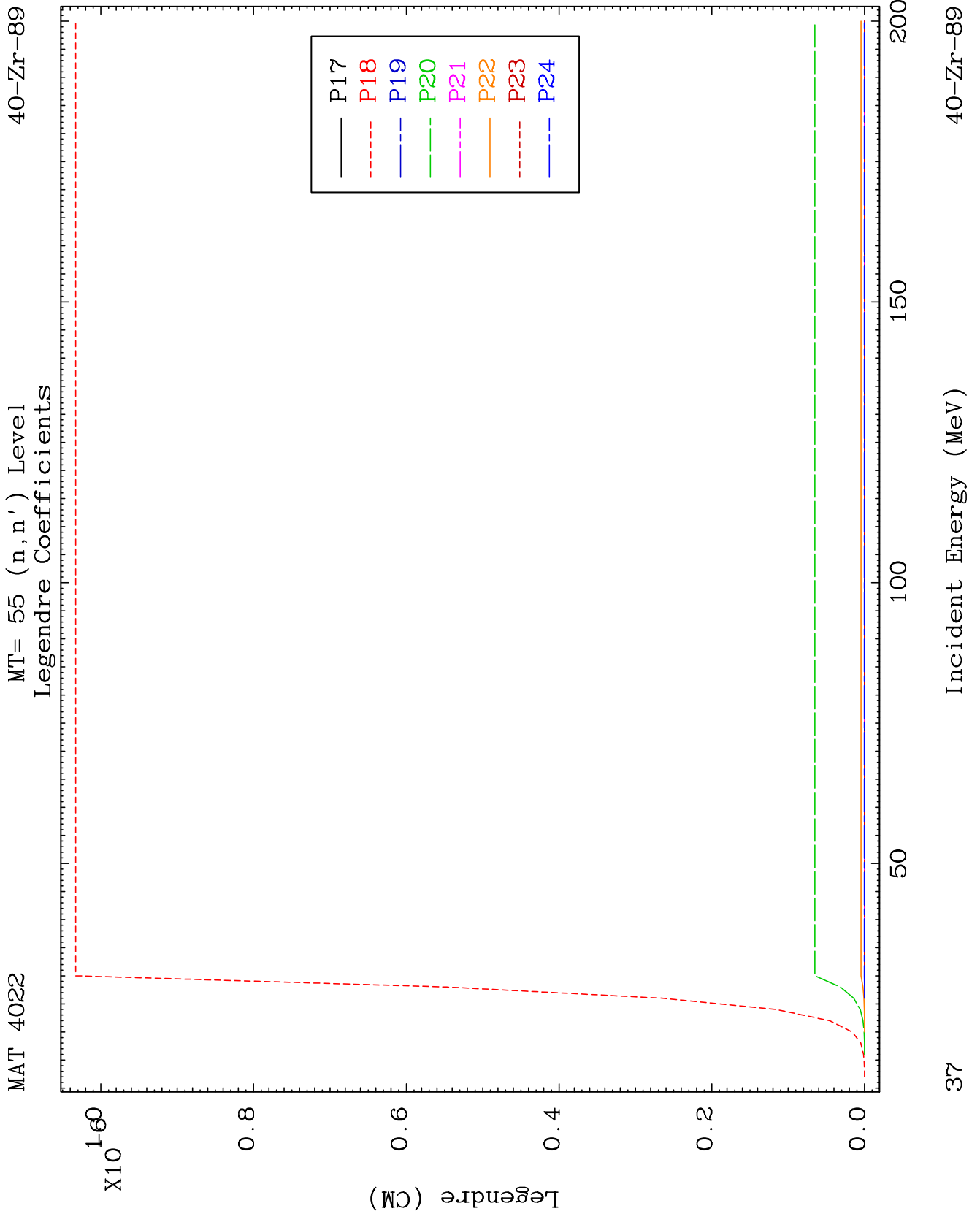
MAT 4022

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

40-Zr-89



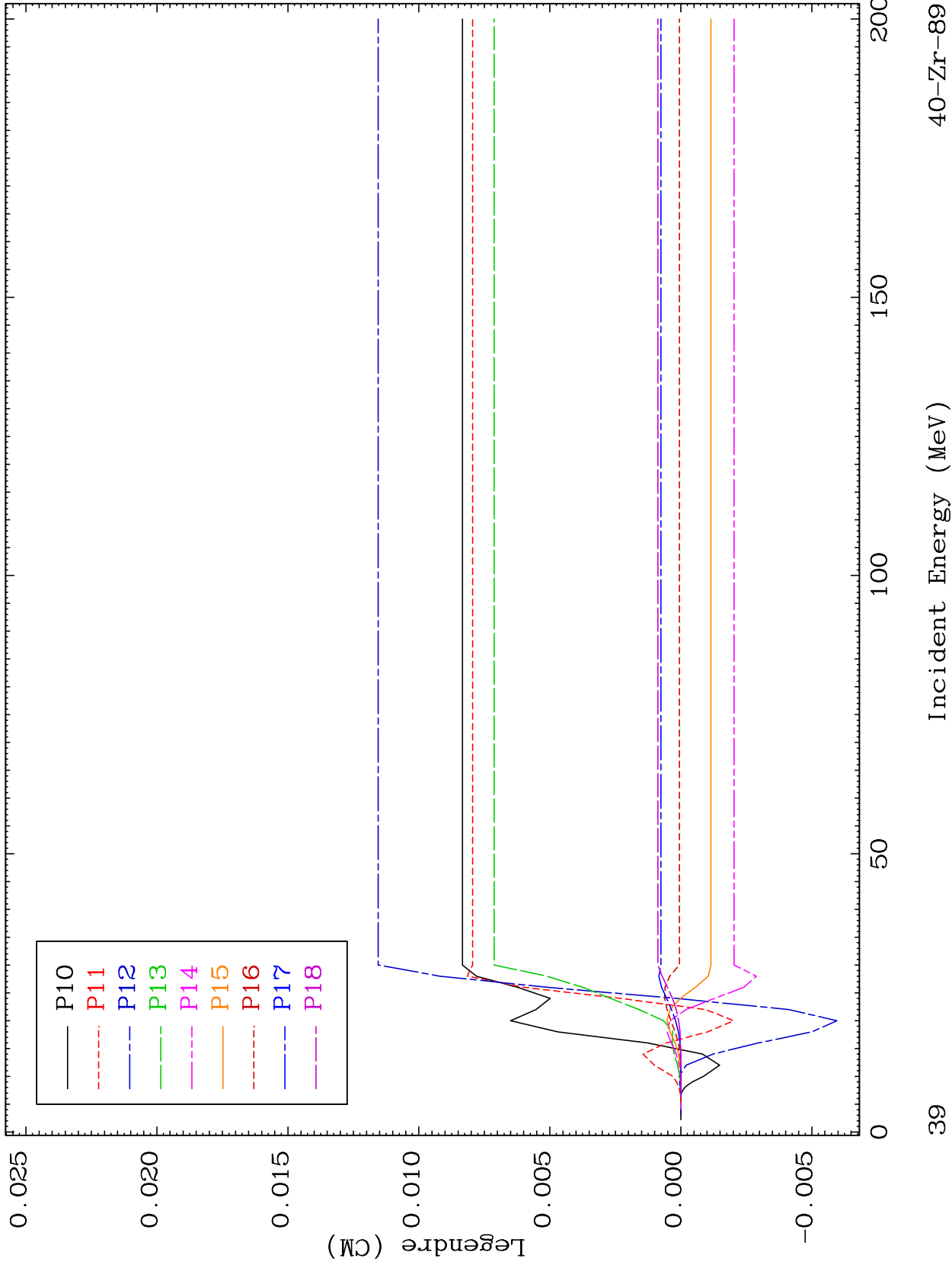




MAT 4022

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

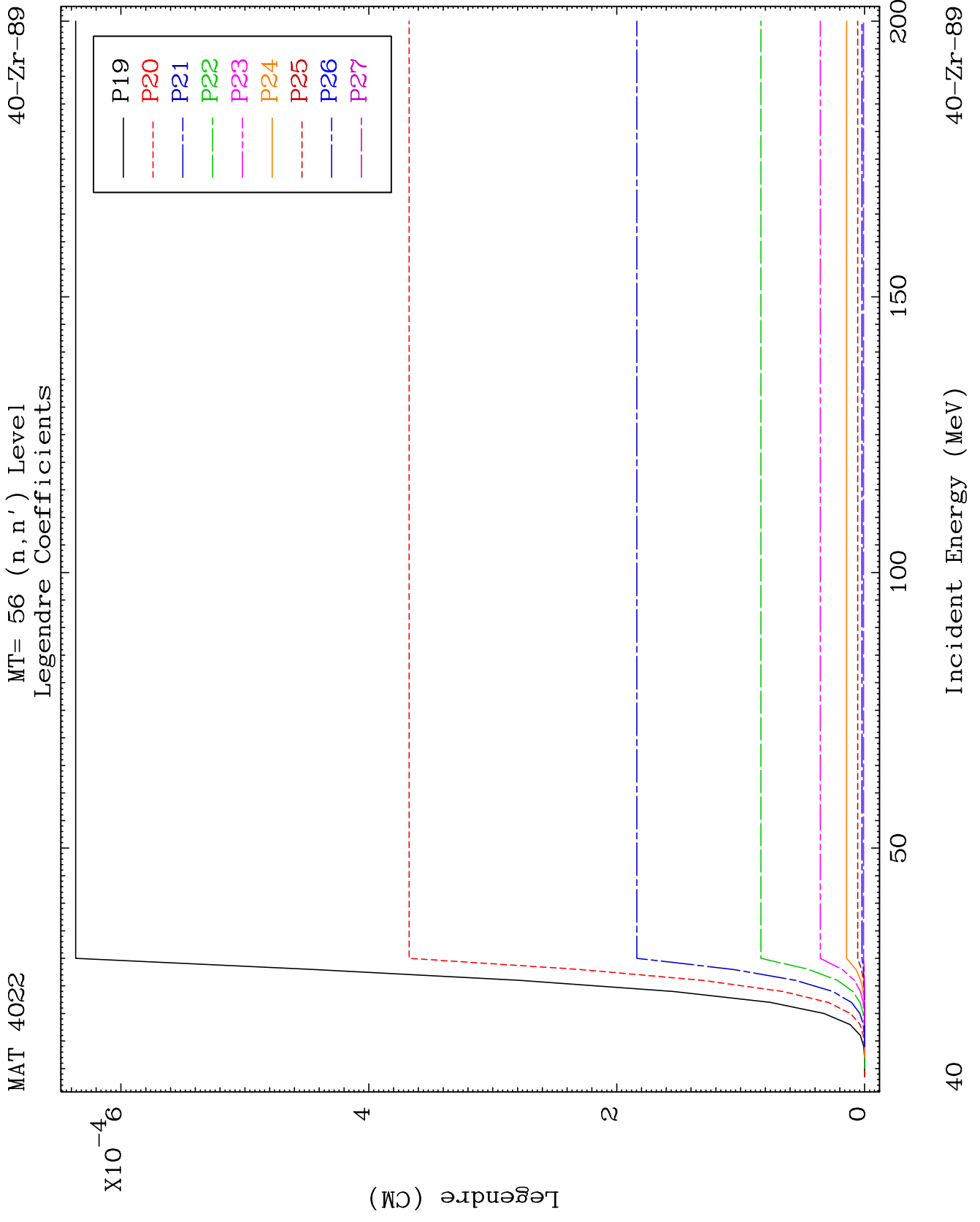
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39

Incident Energy (MeV)

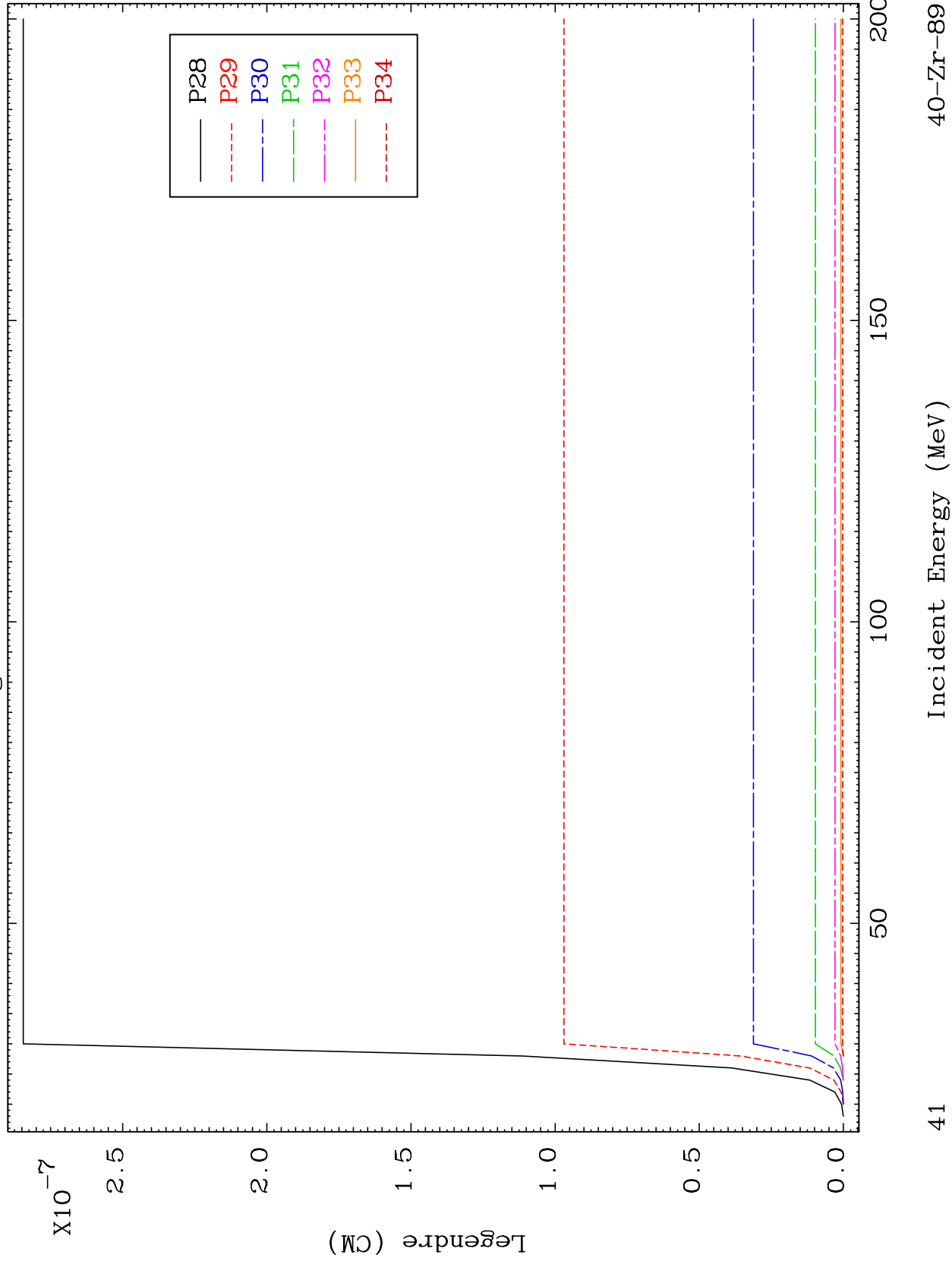
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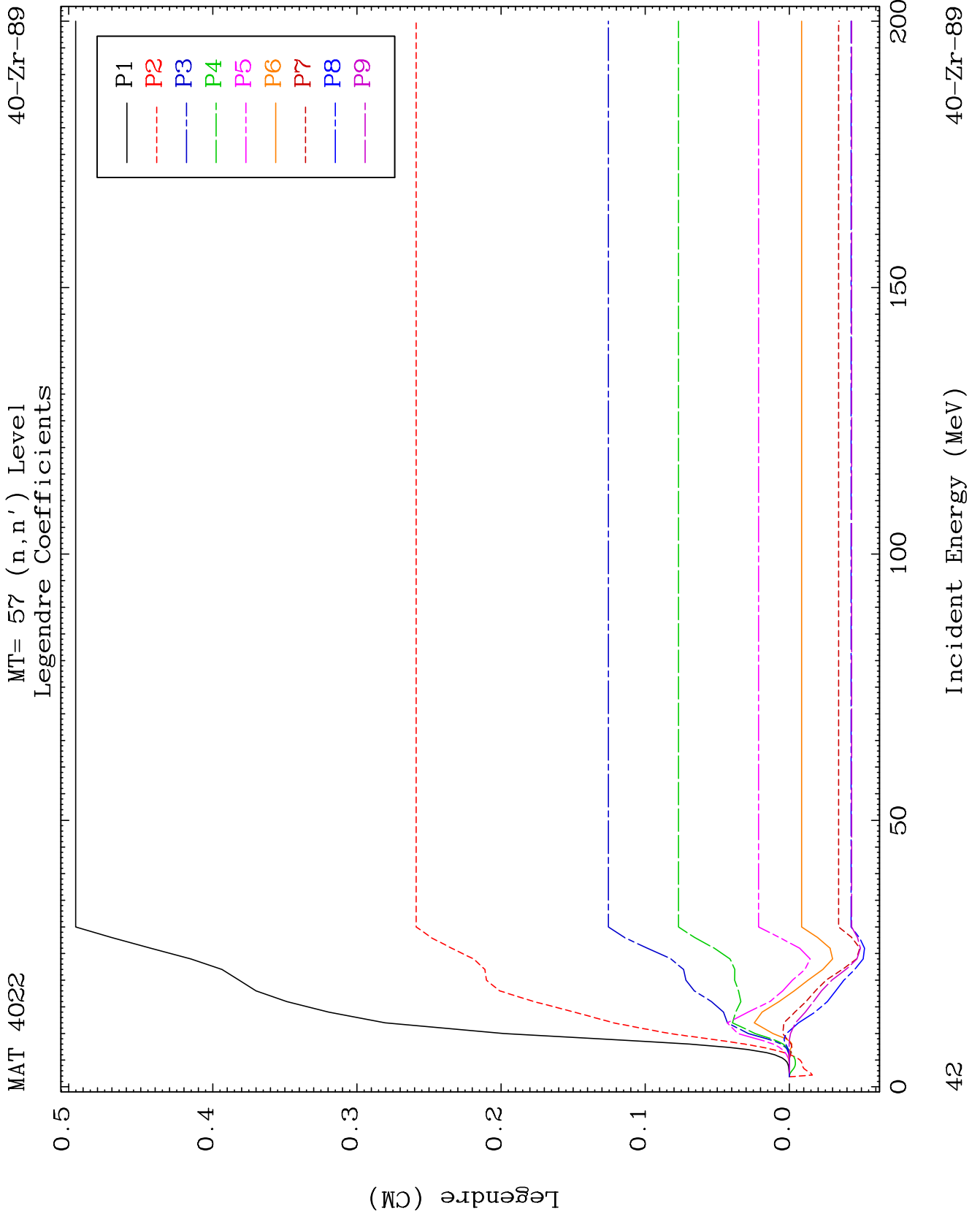


MAT 4022

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

40-Zr-89

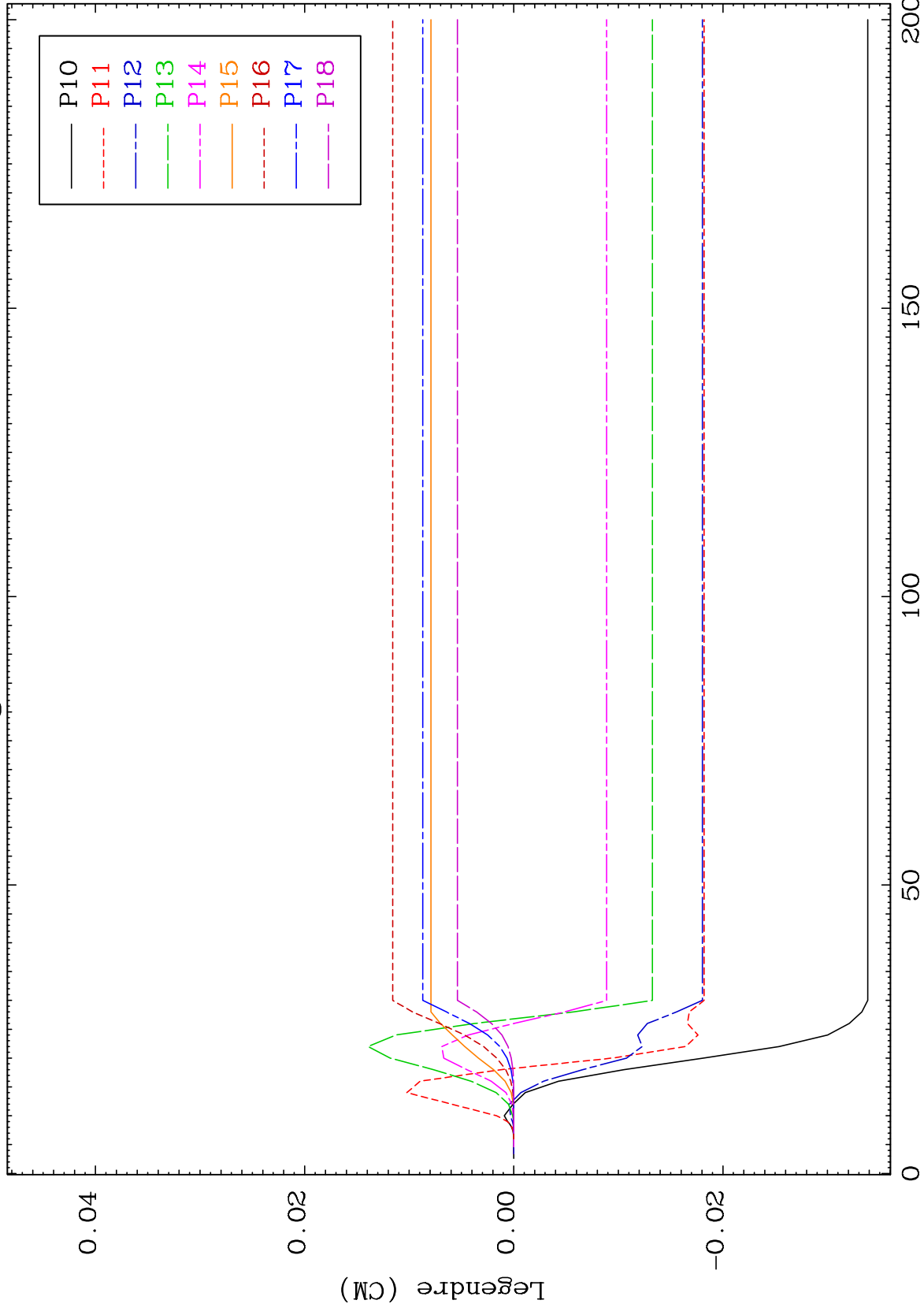




MAT 4022

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

40-Zr-89



43

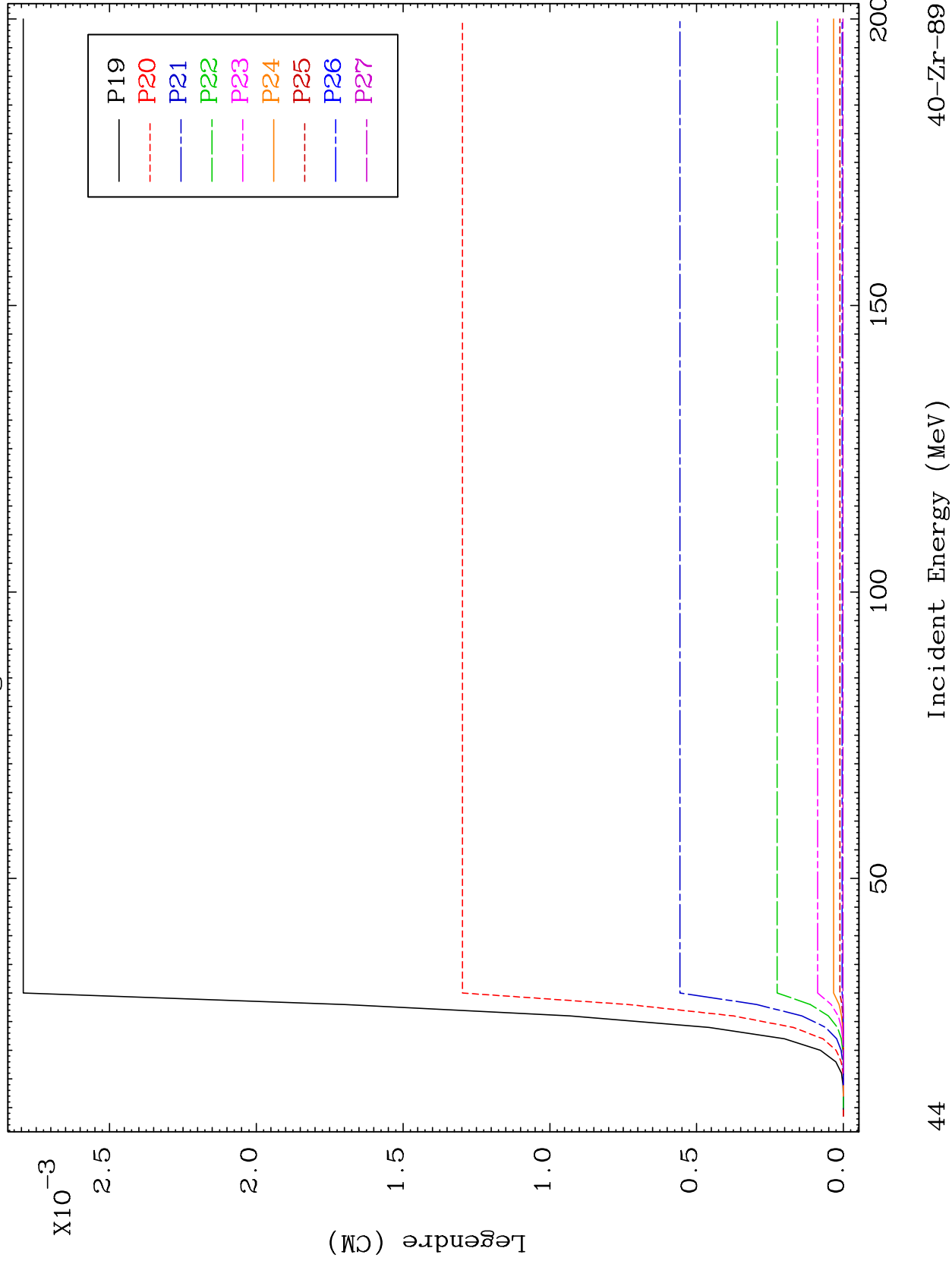
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



44

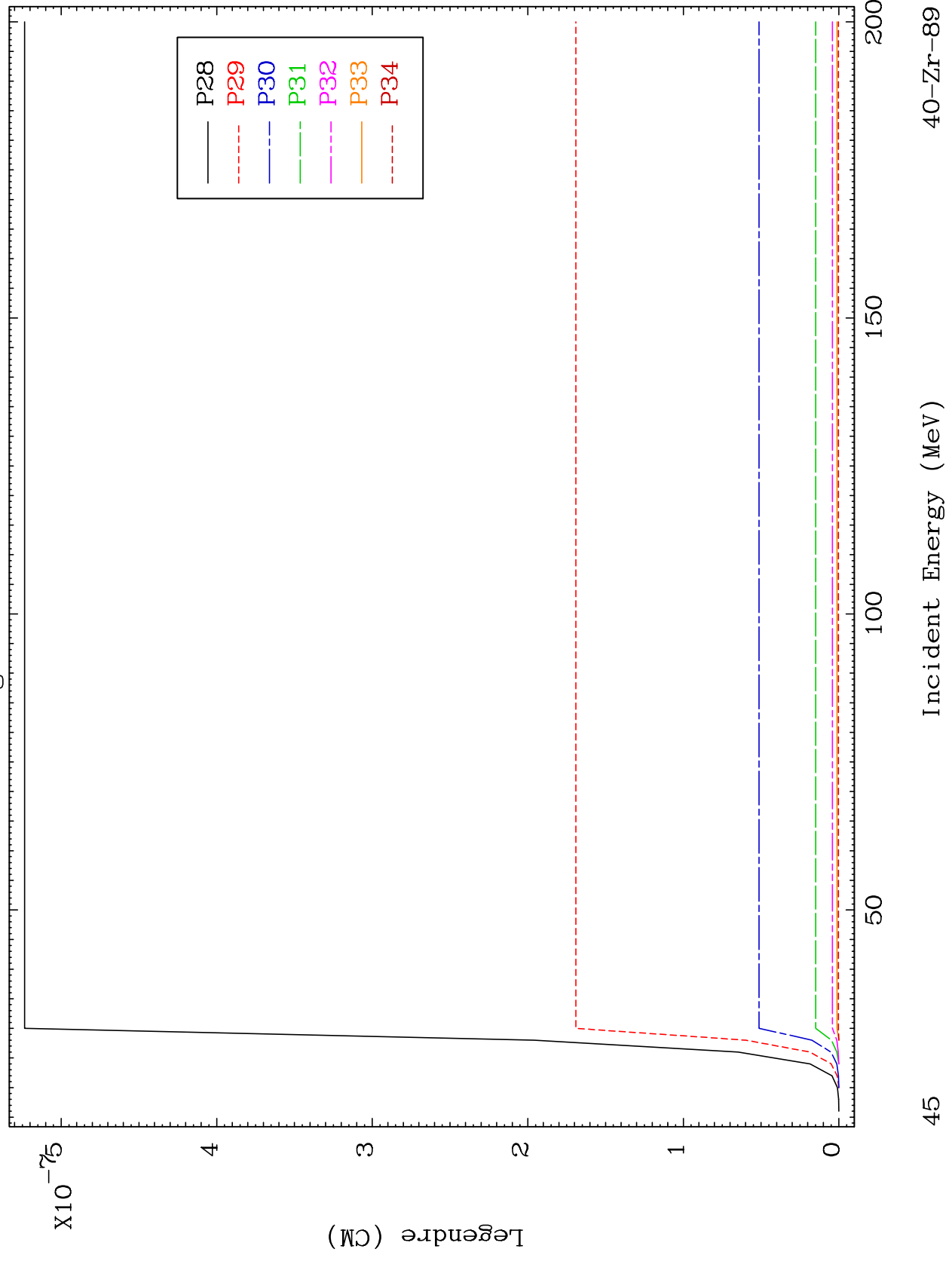
Incident Energy (MeV)

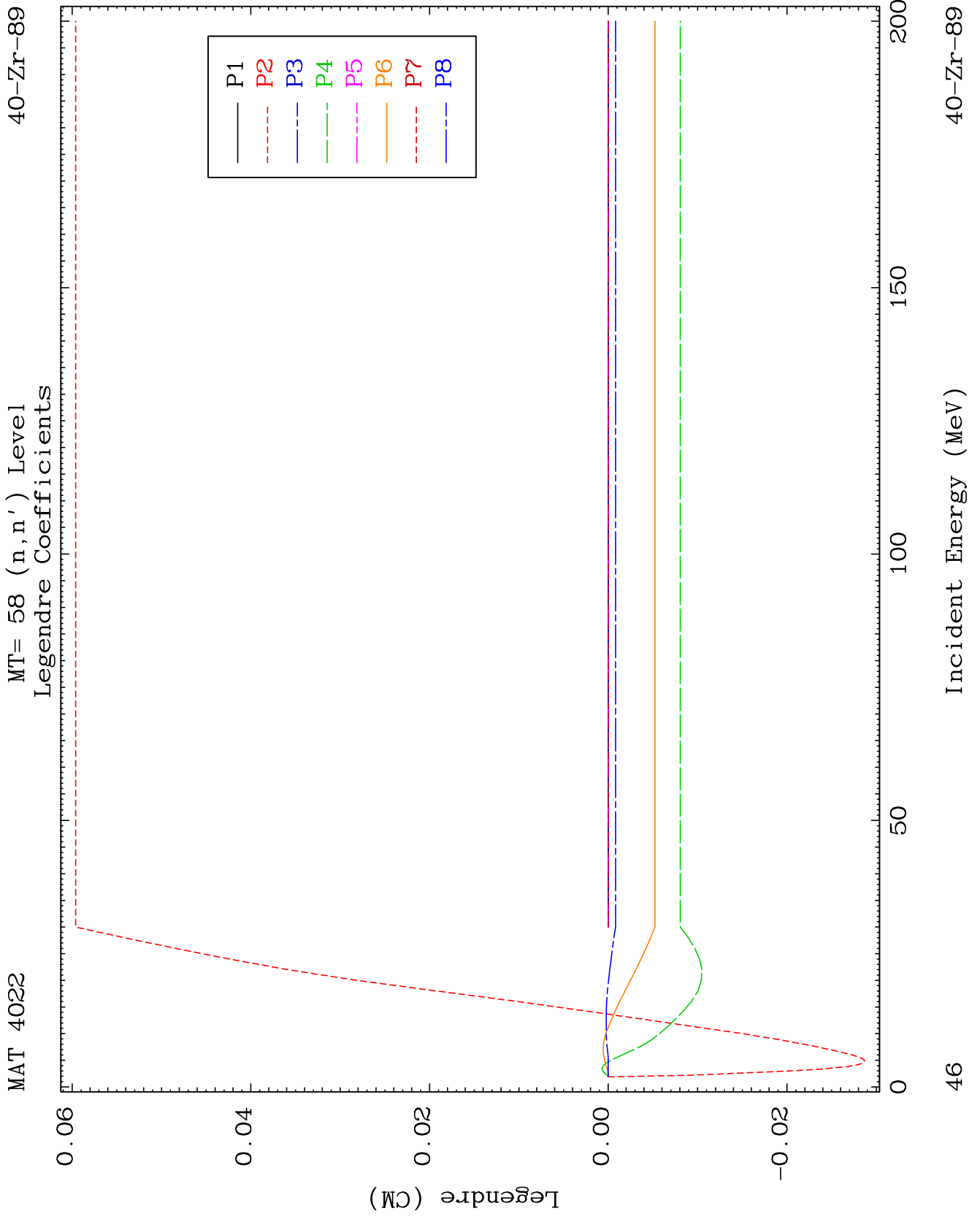
40-Zr-89

MAT 4022

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

40-Zr-89

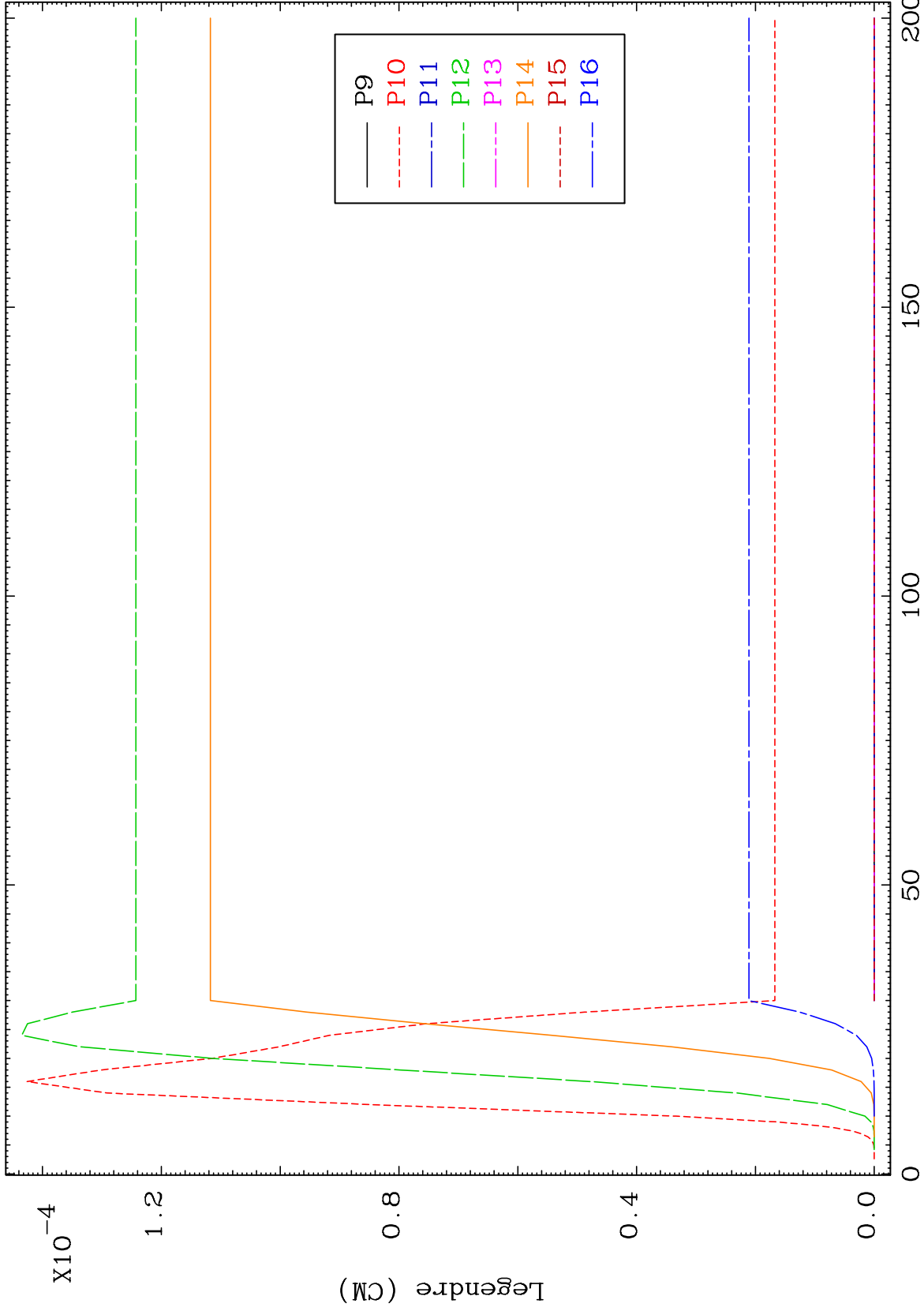




MAT 4022

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

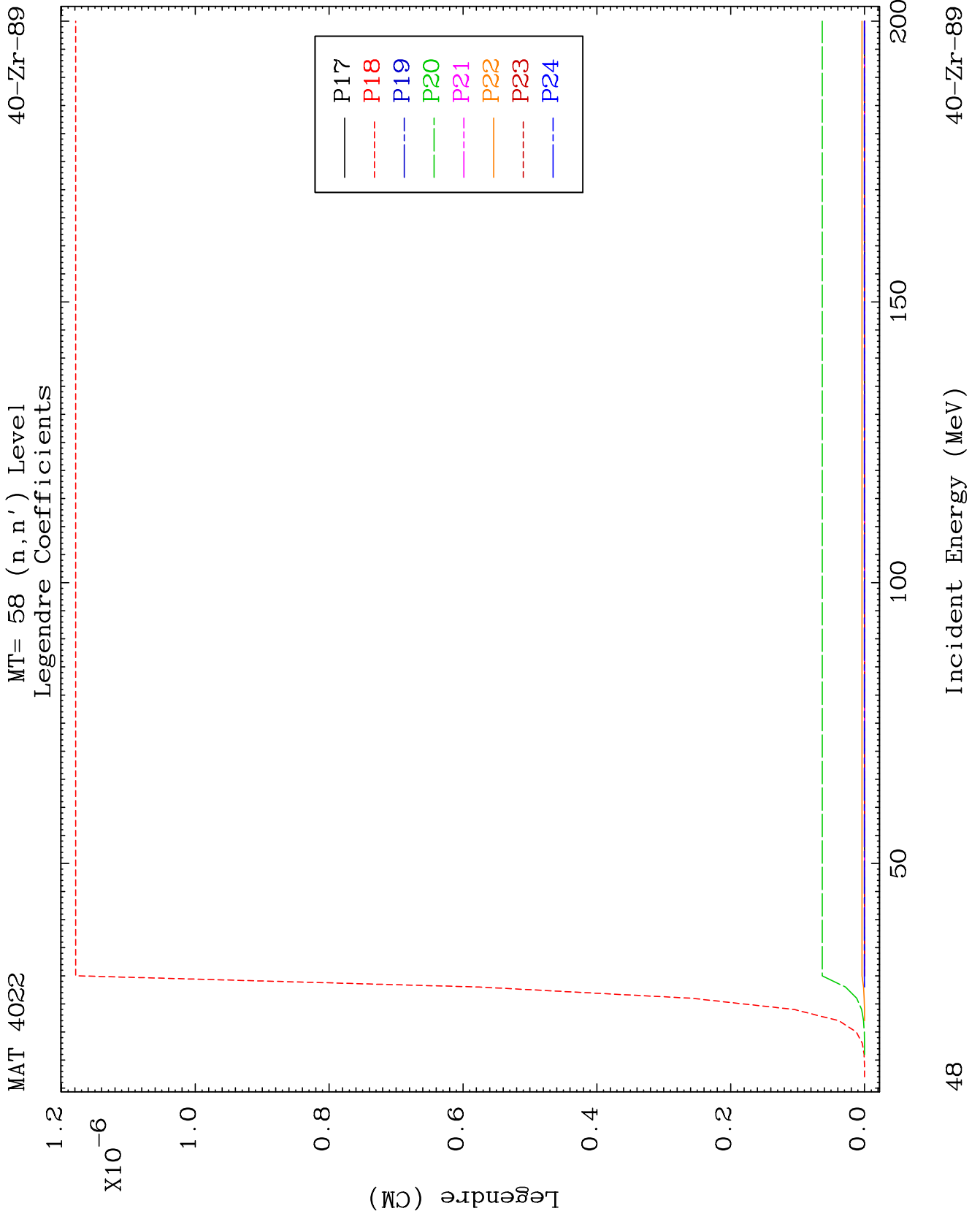
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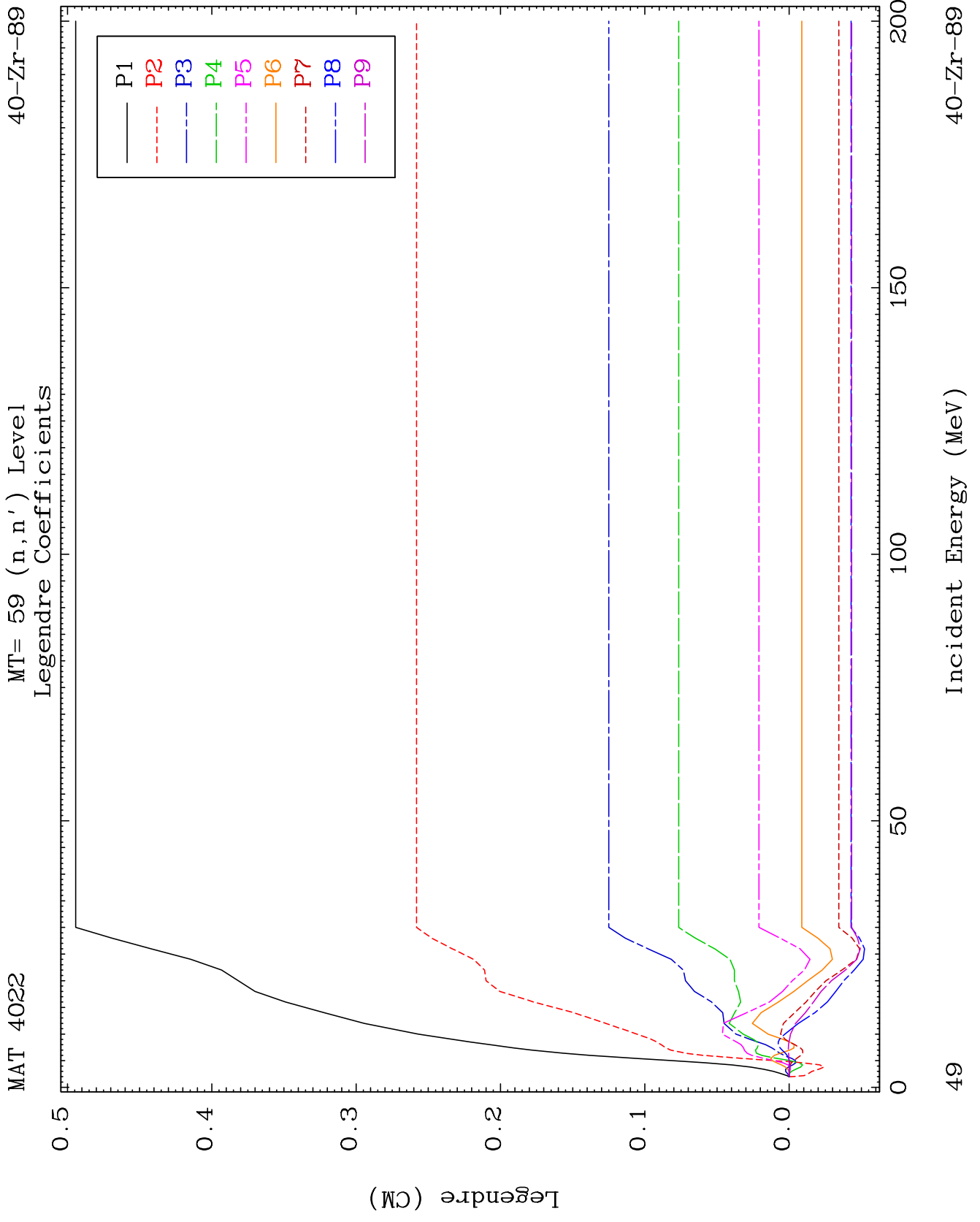


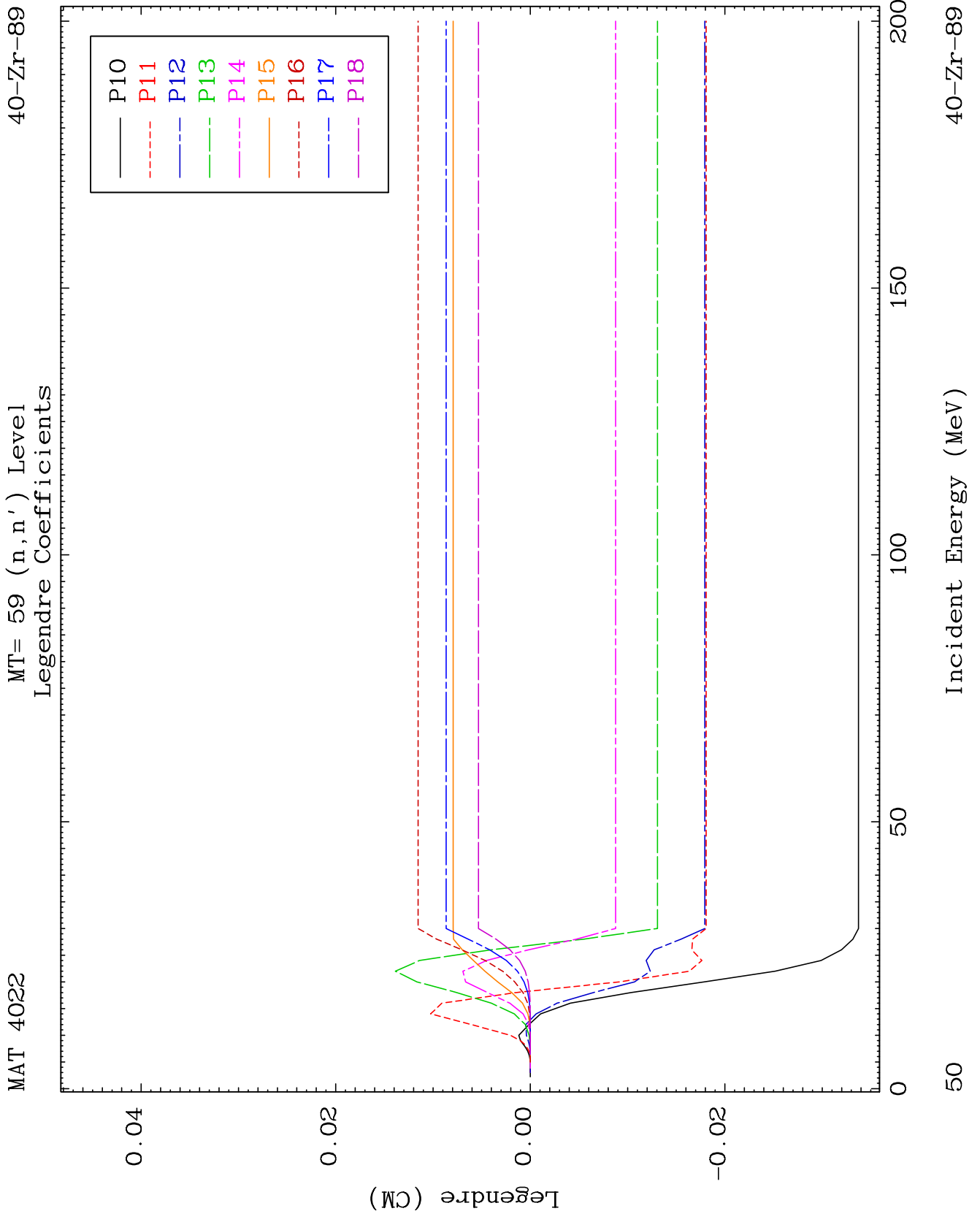
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Incident Energy (MeV)

40-Zr-89



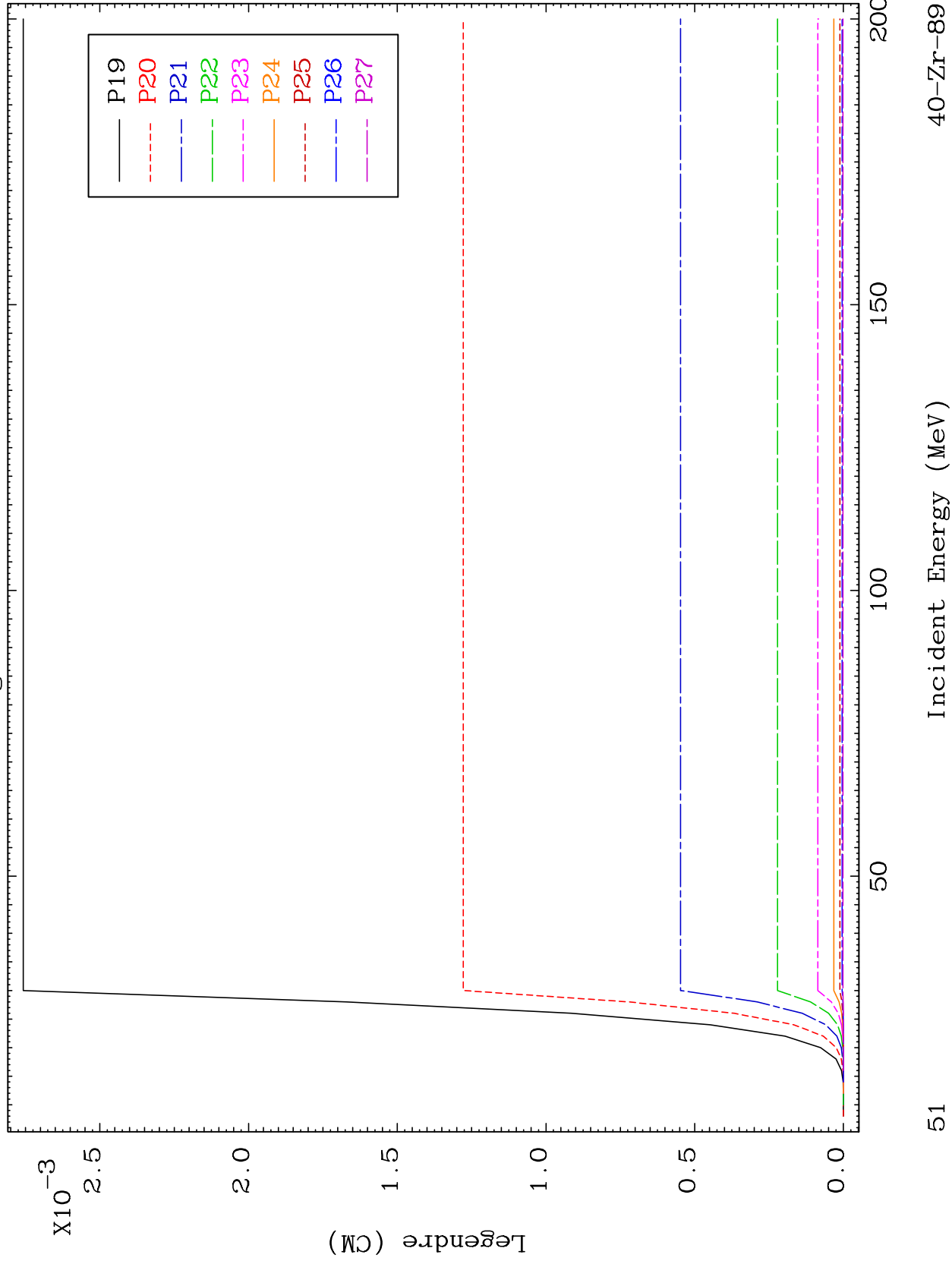




MAT 4022

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

40-Zr-89



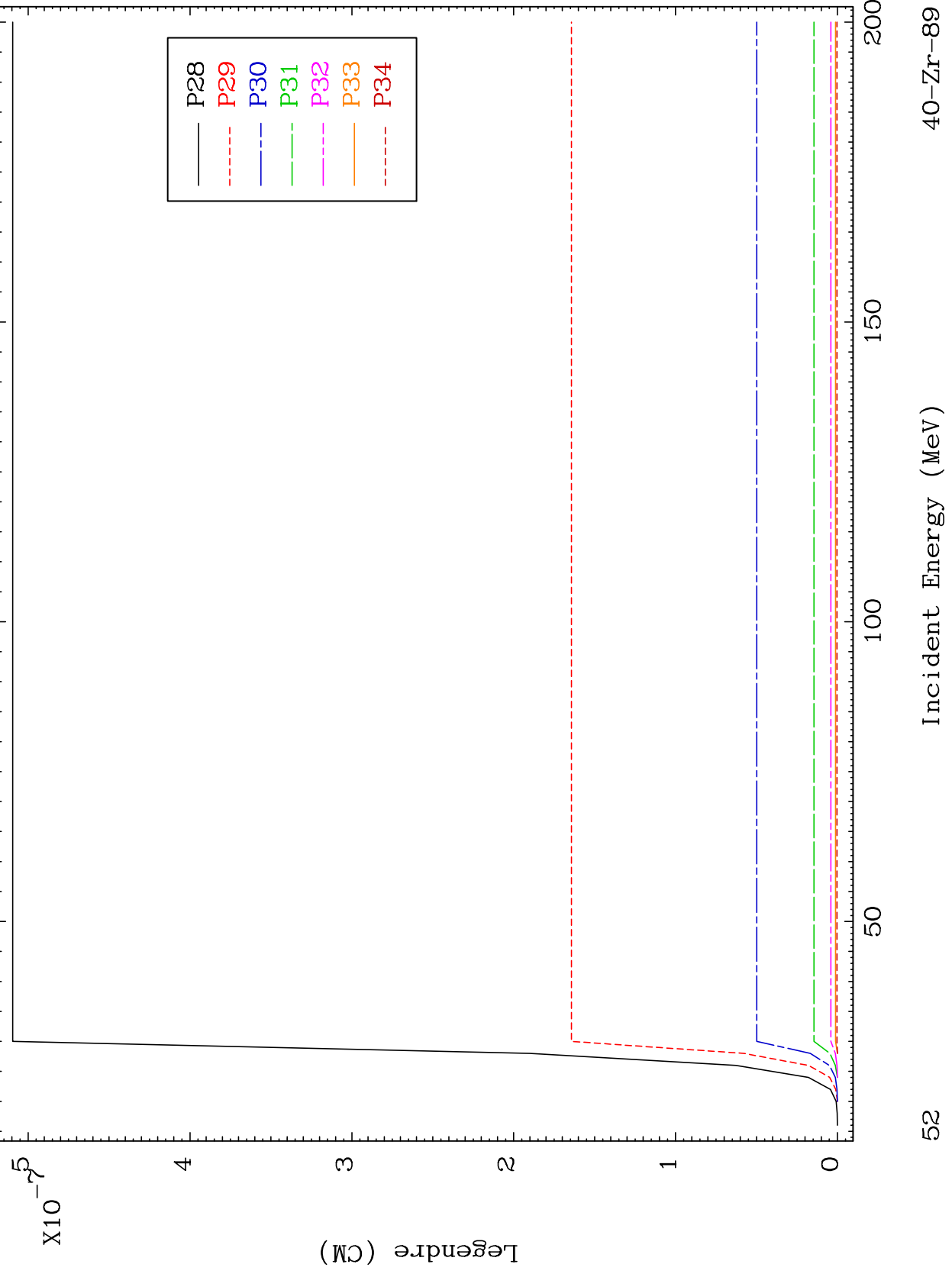
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40-Zr-89

MAT 4022

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

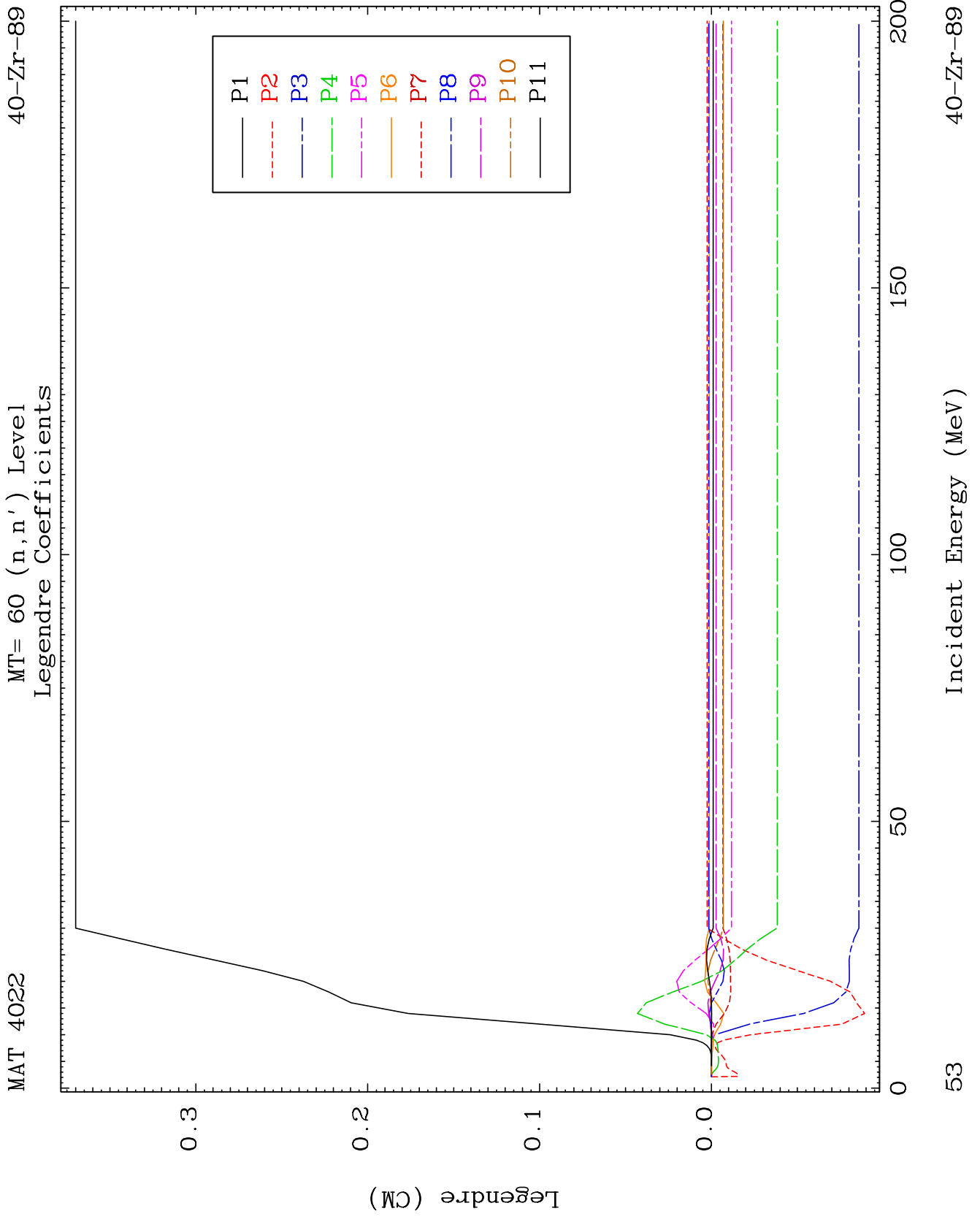
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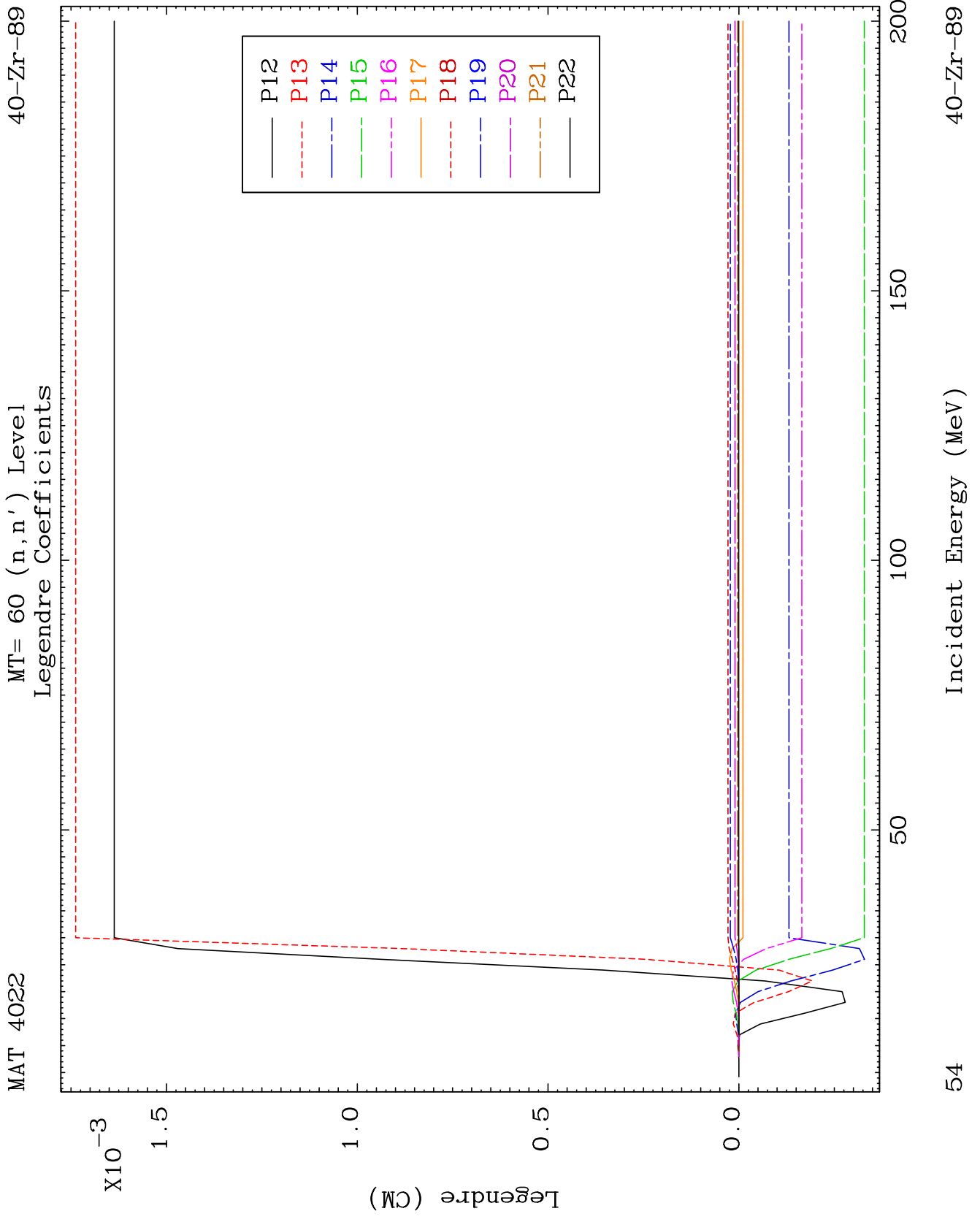


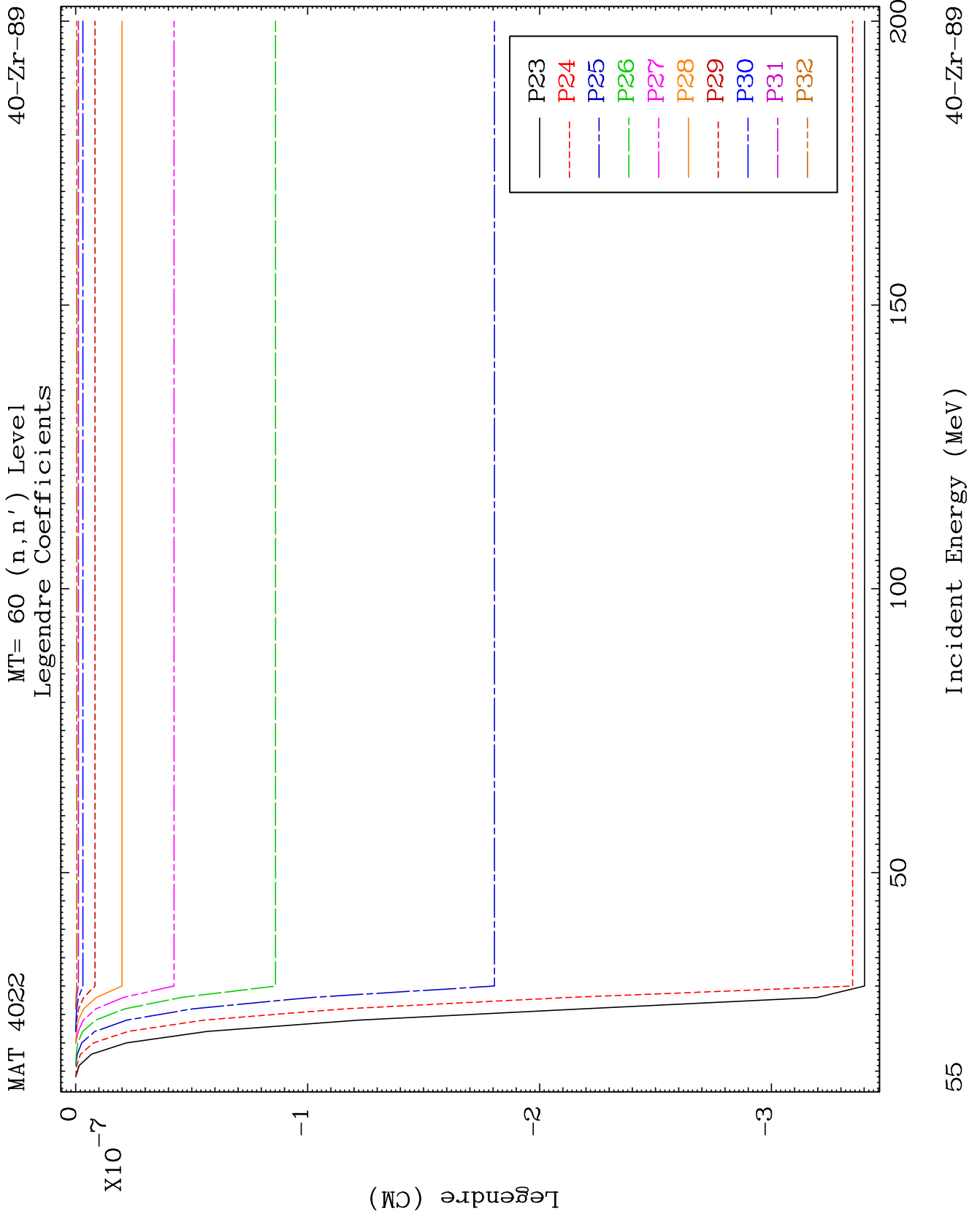
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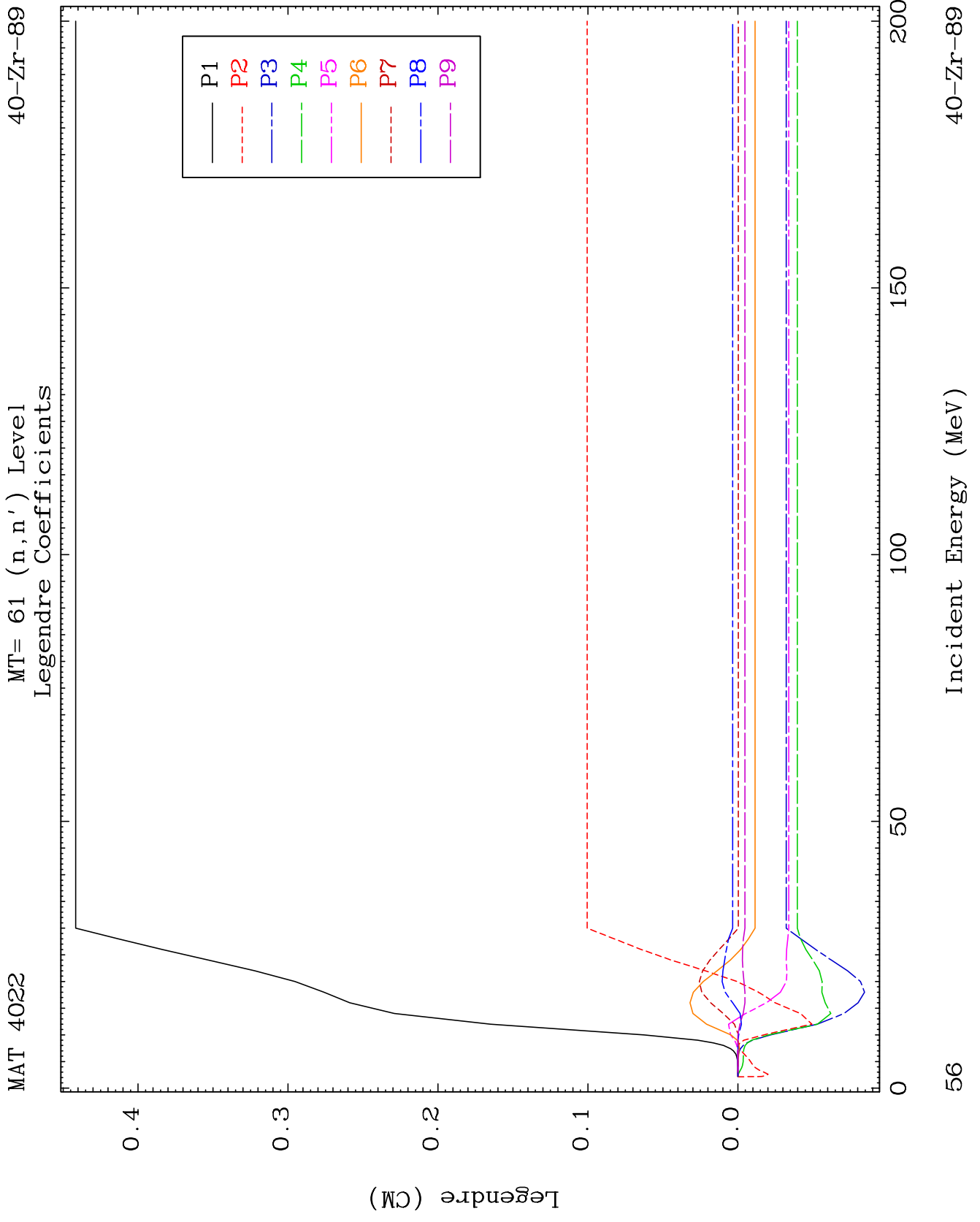
Incident Energy (MeV)

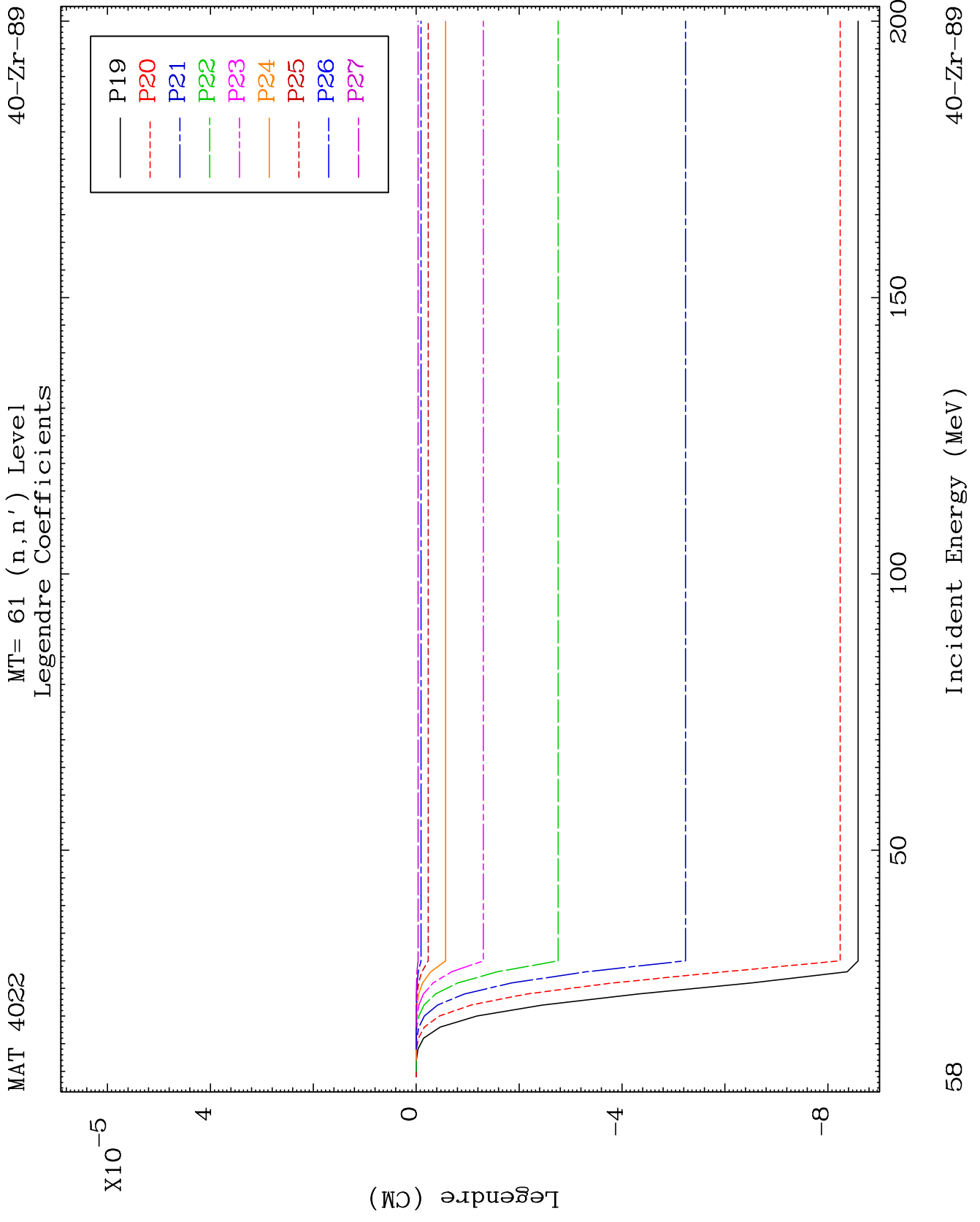
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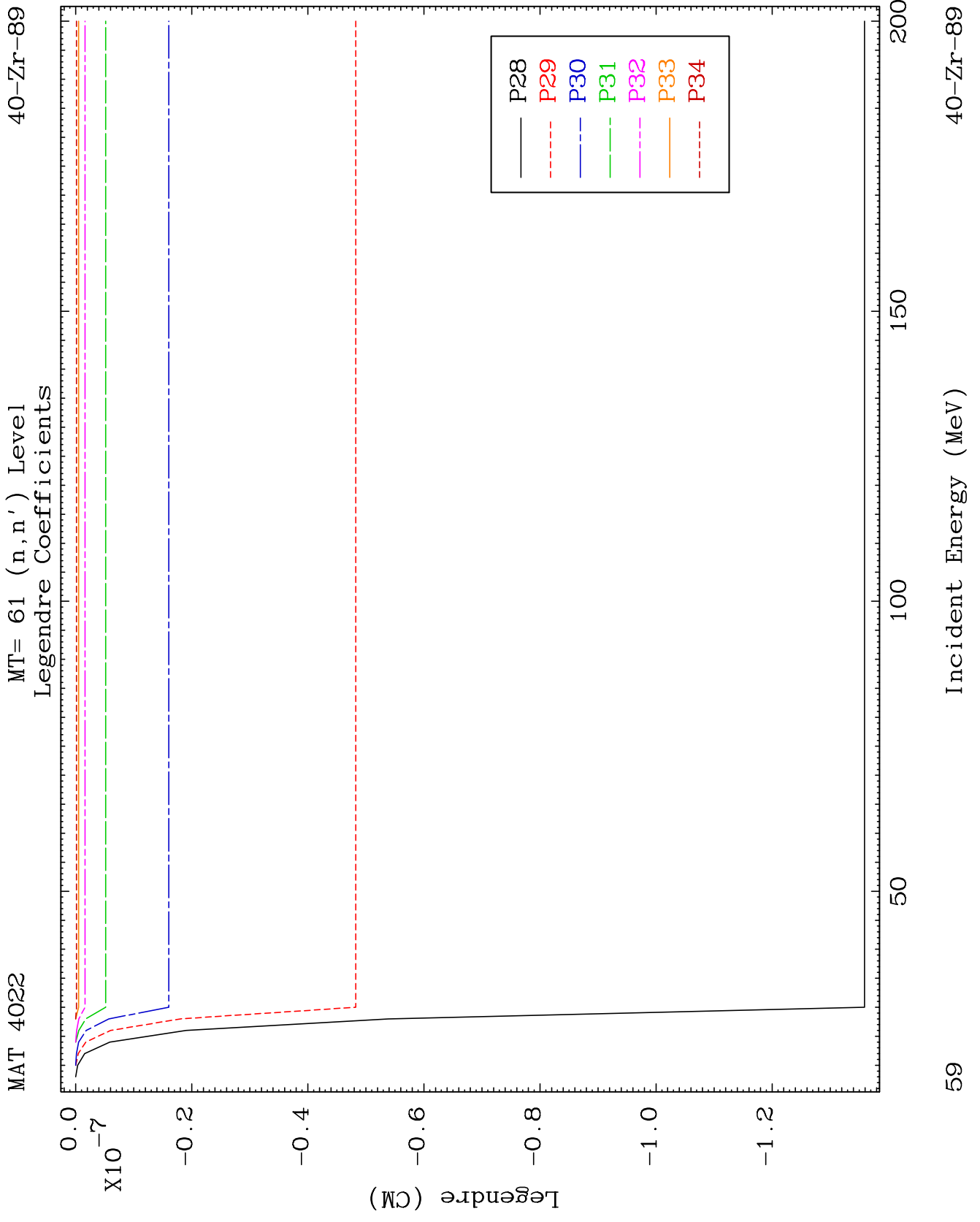








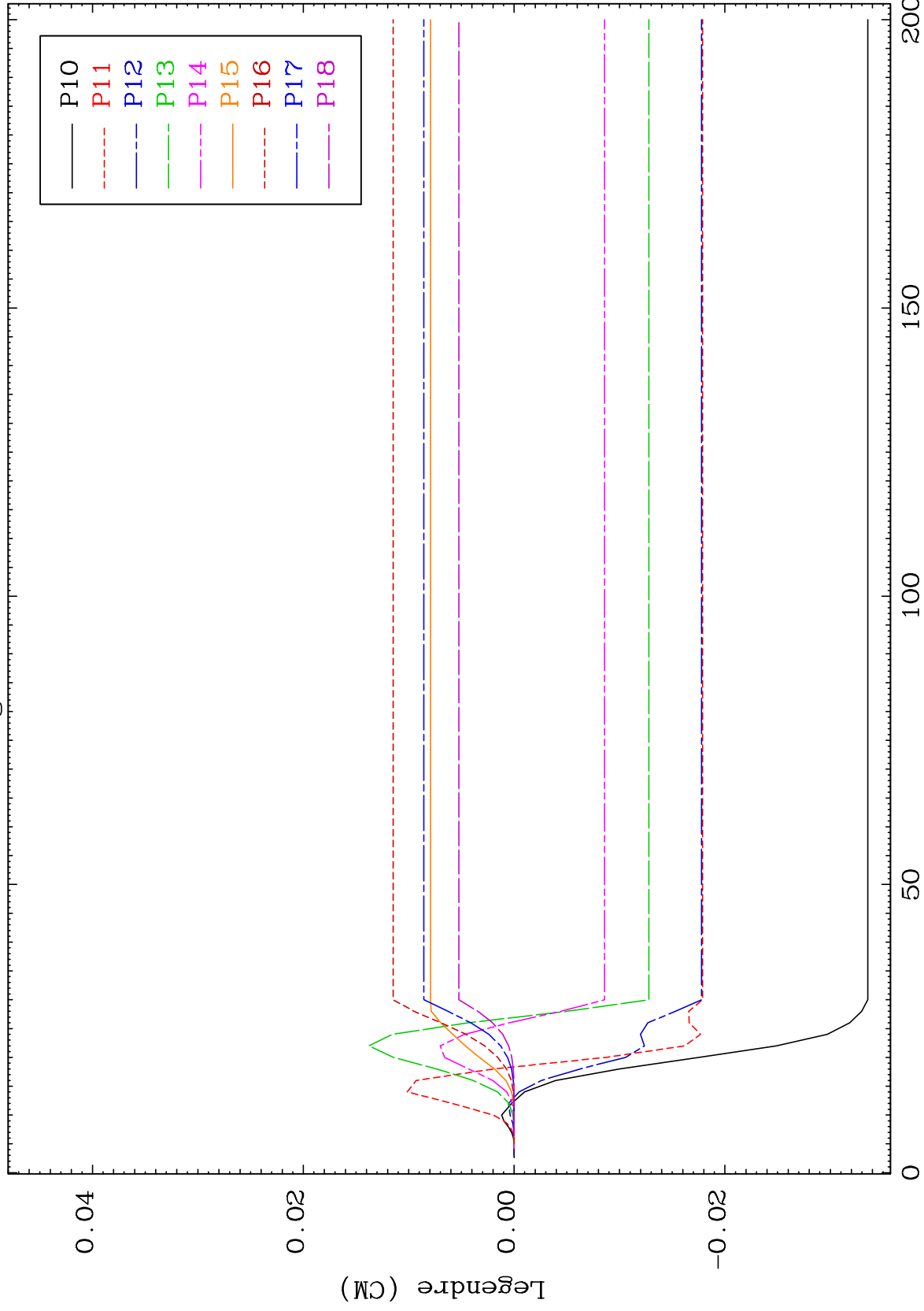




MAT 4022

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

40-Zr-89



61

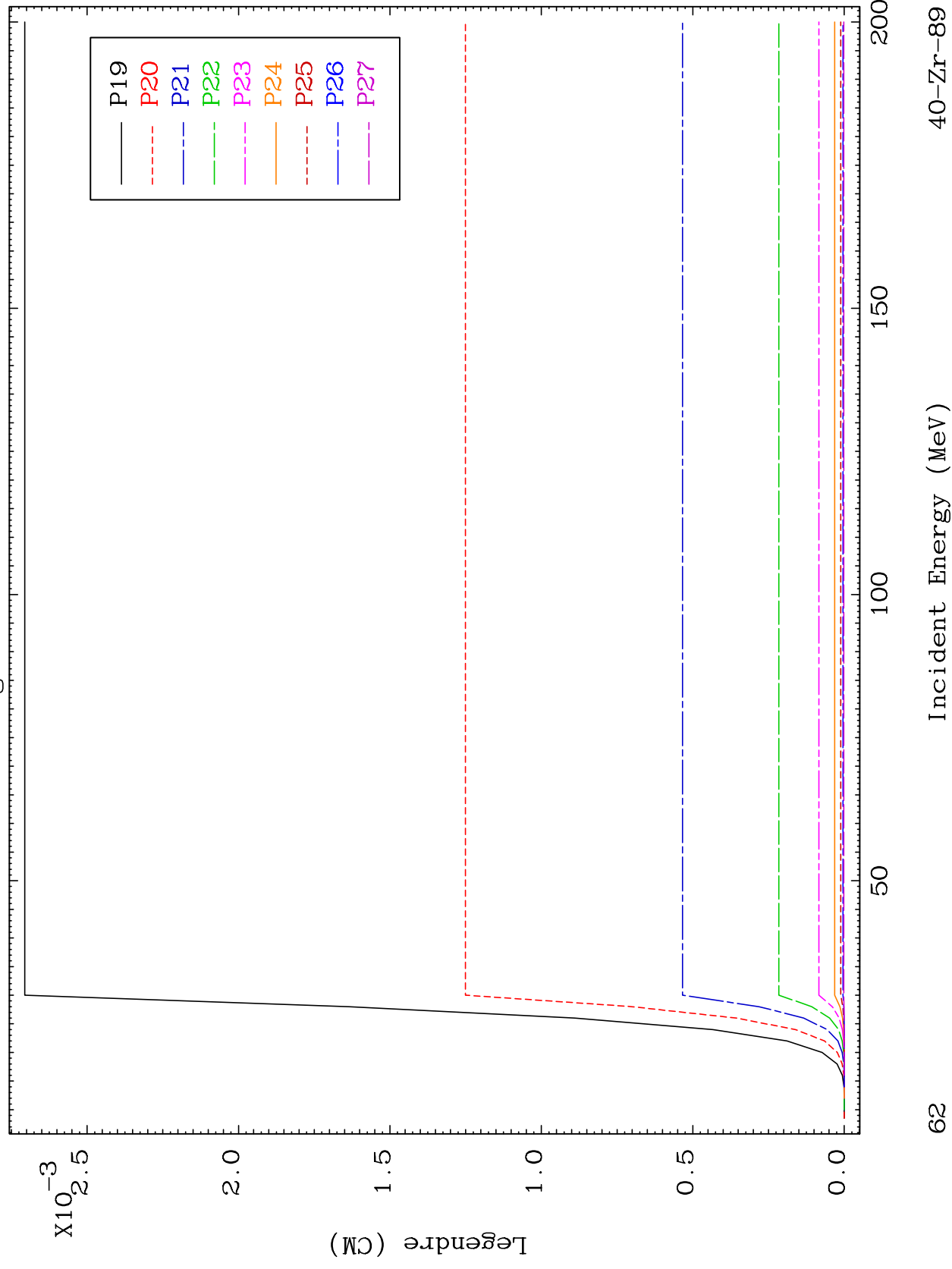
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



62

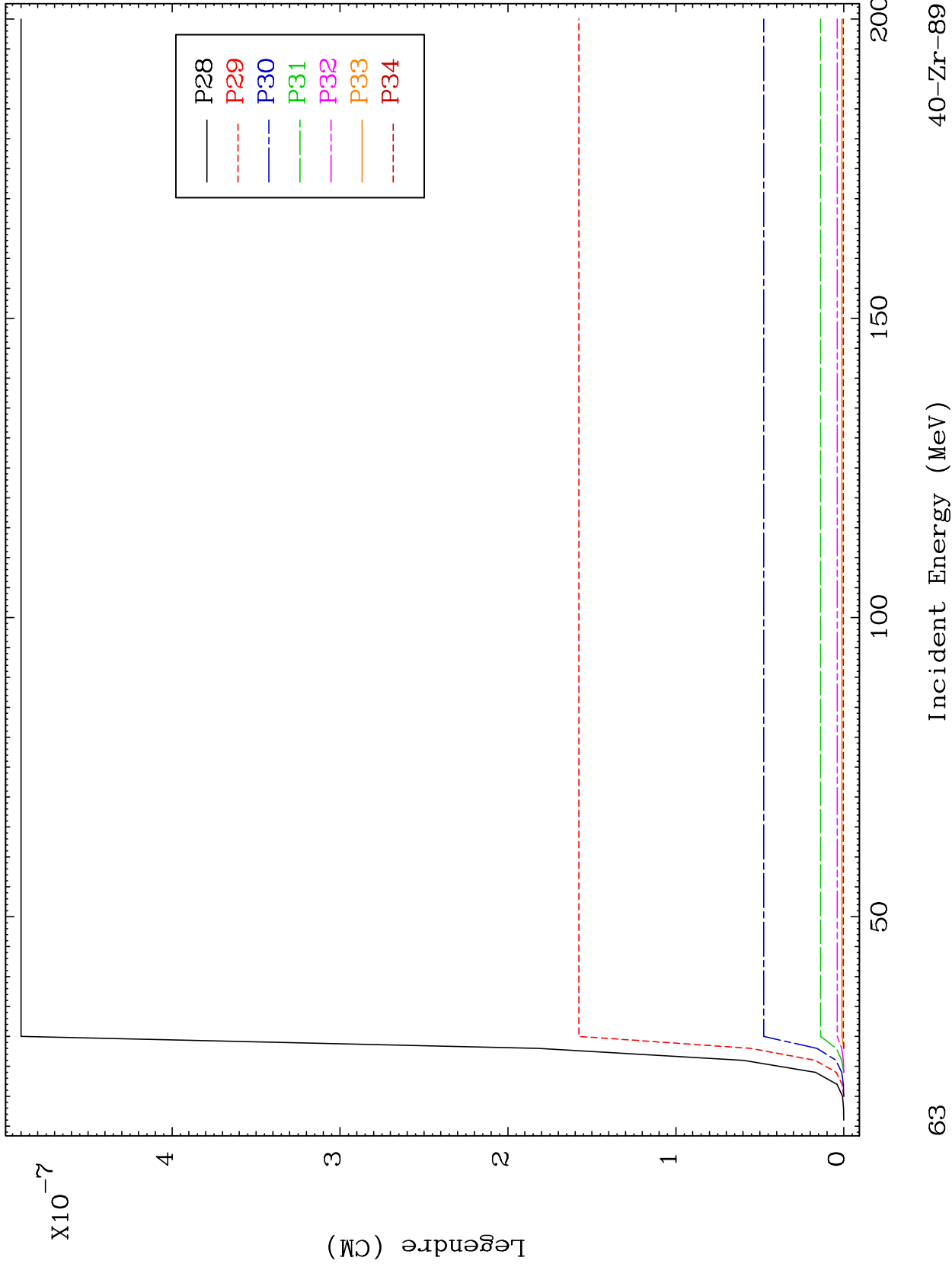
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

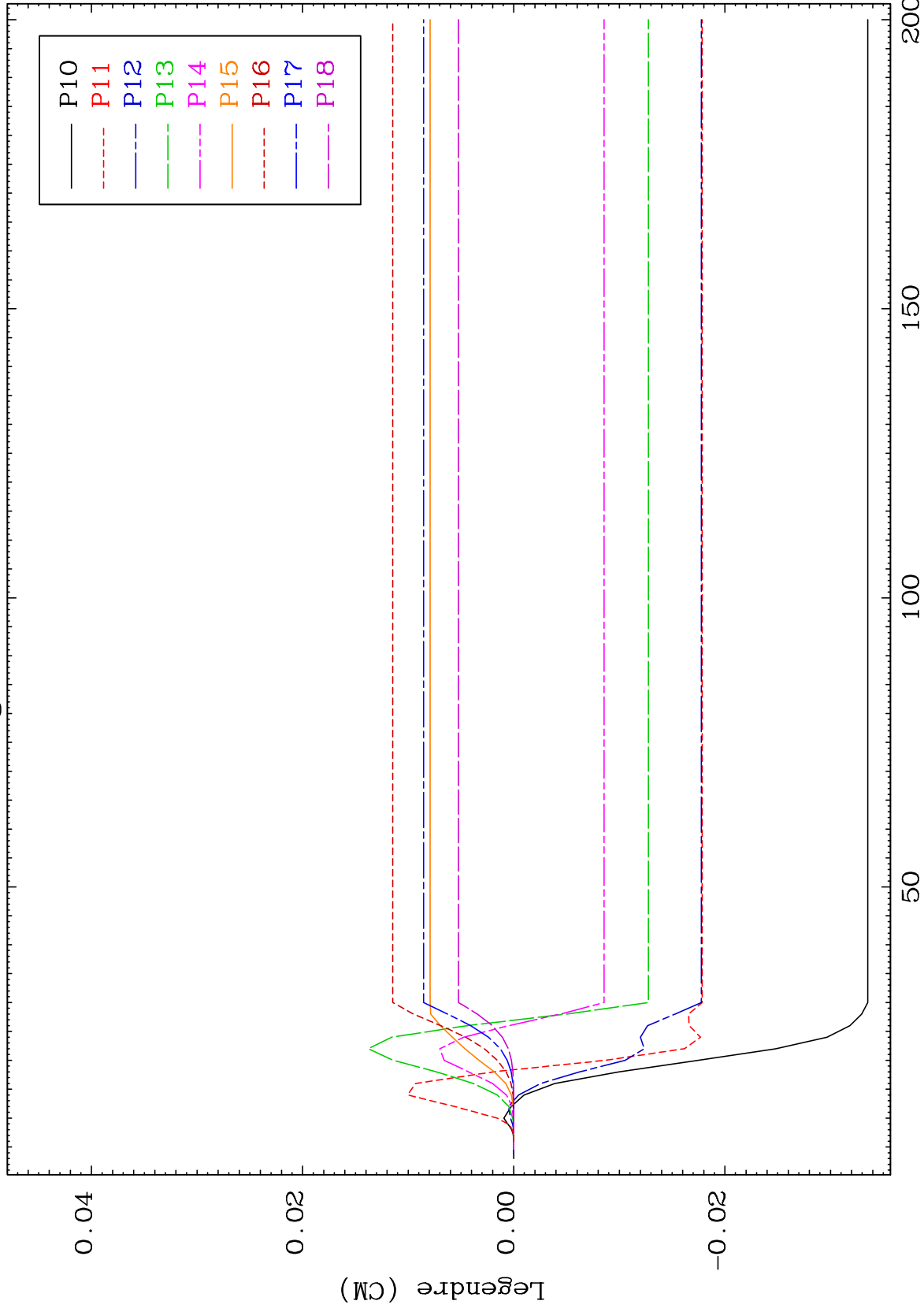
40-Zr-89



MAT 4022

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

40-Zr-89



65

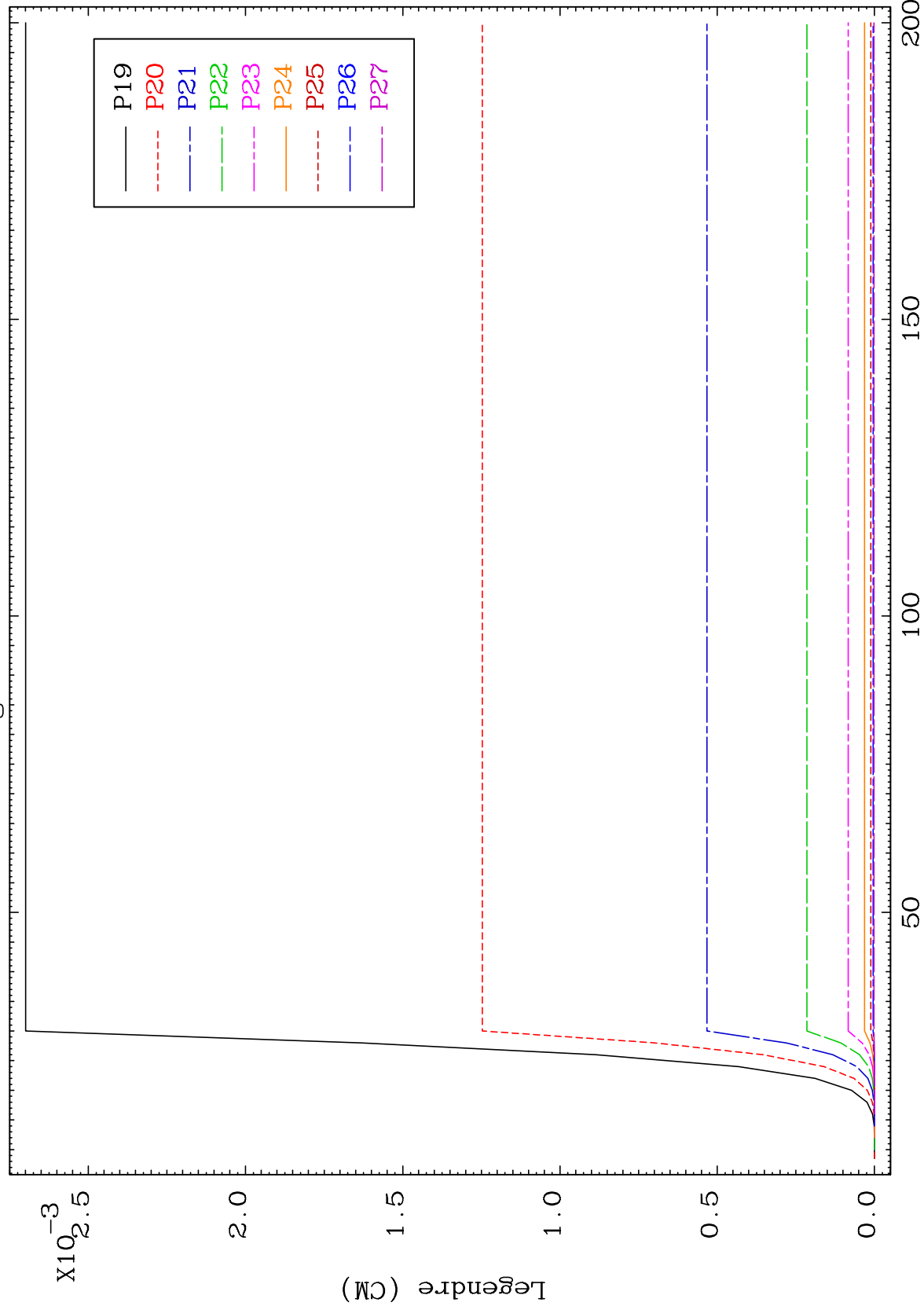
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



66

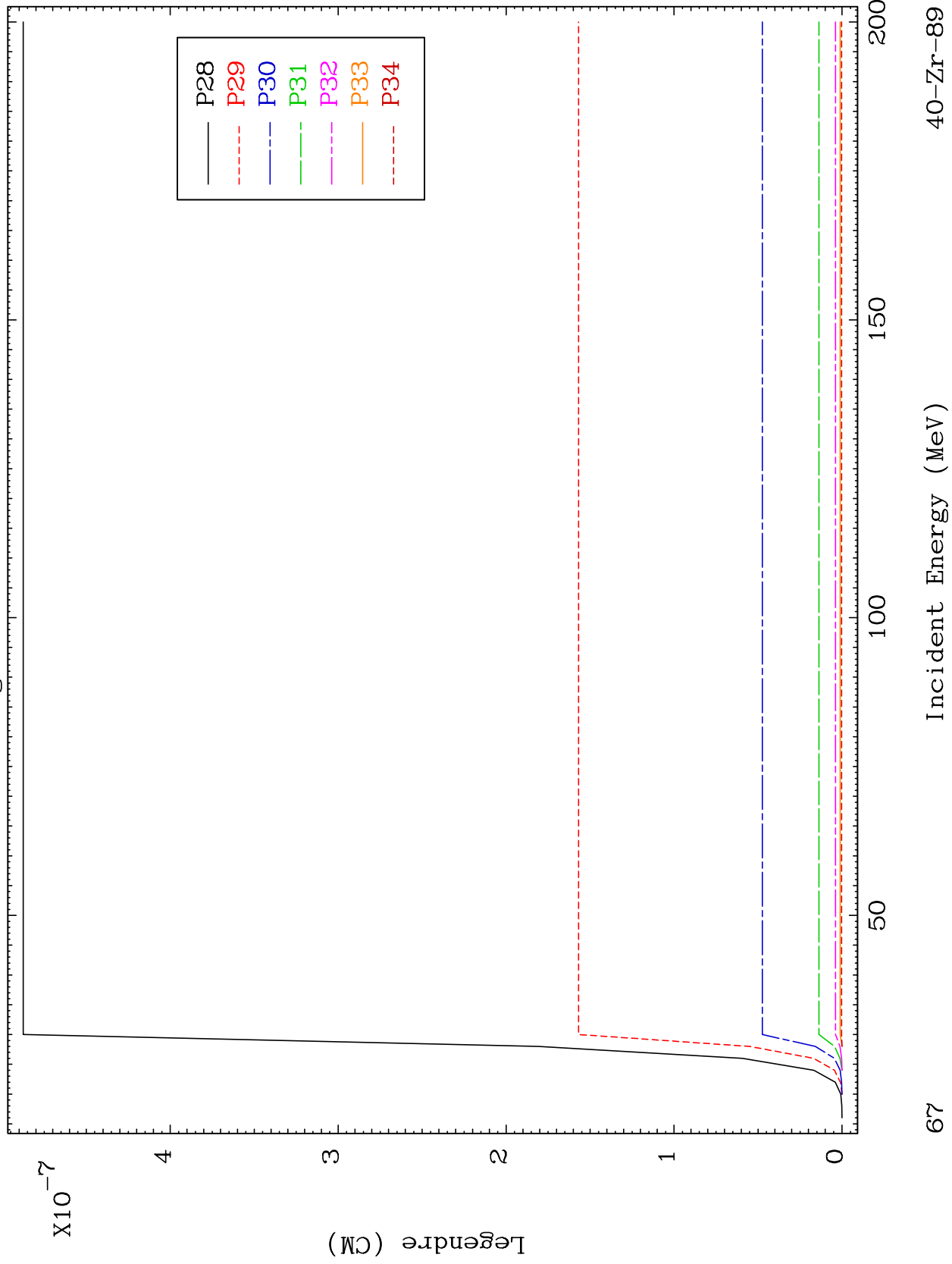
Incident Energy (MeV)

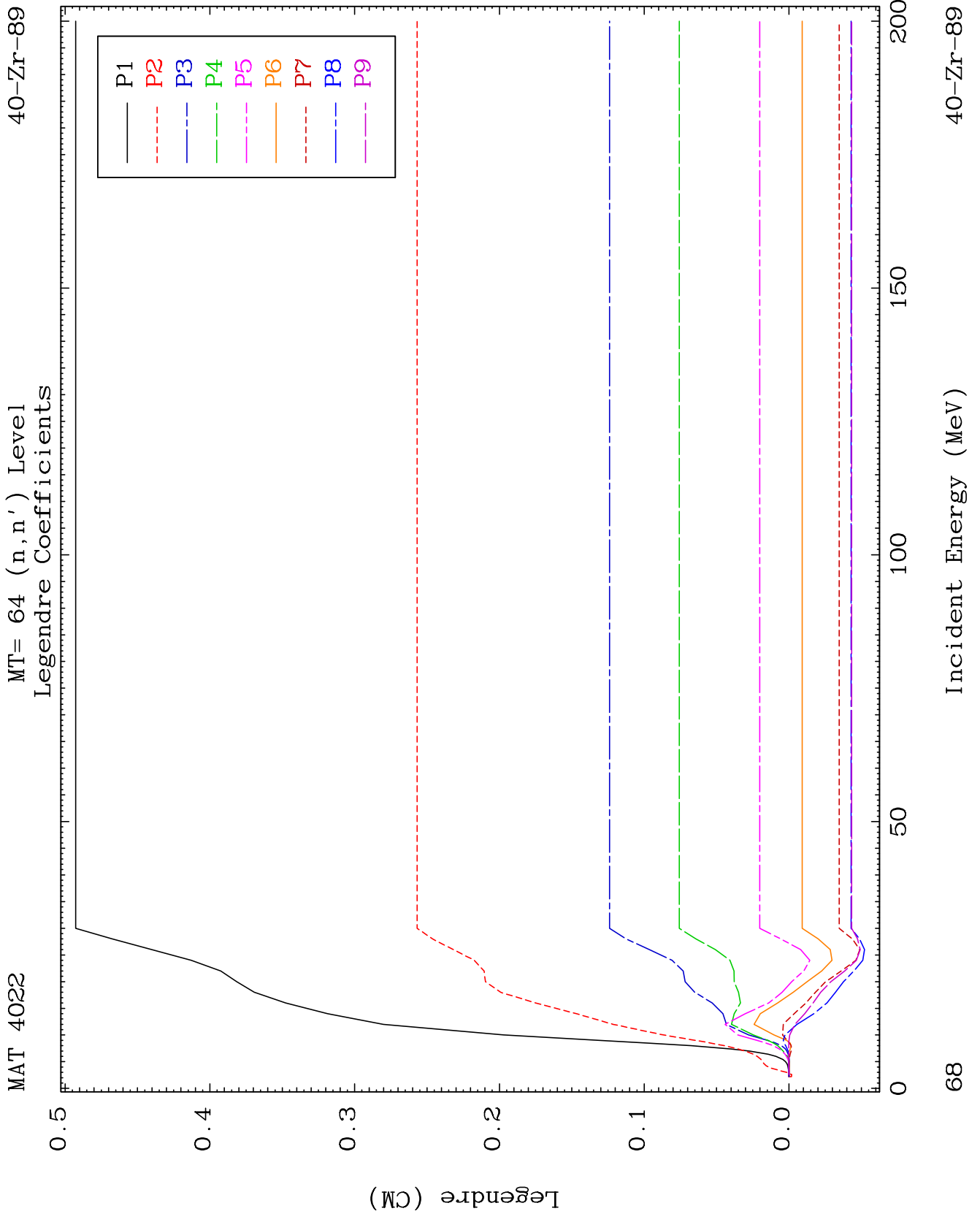
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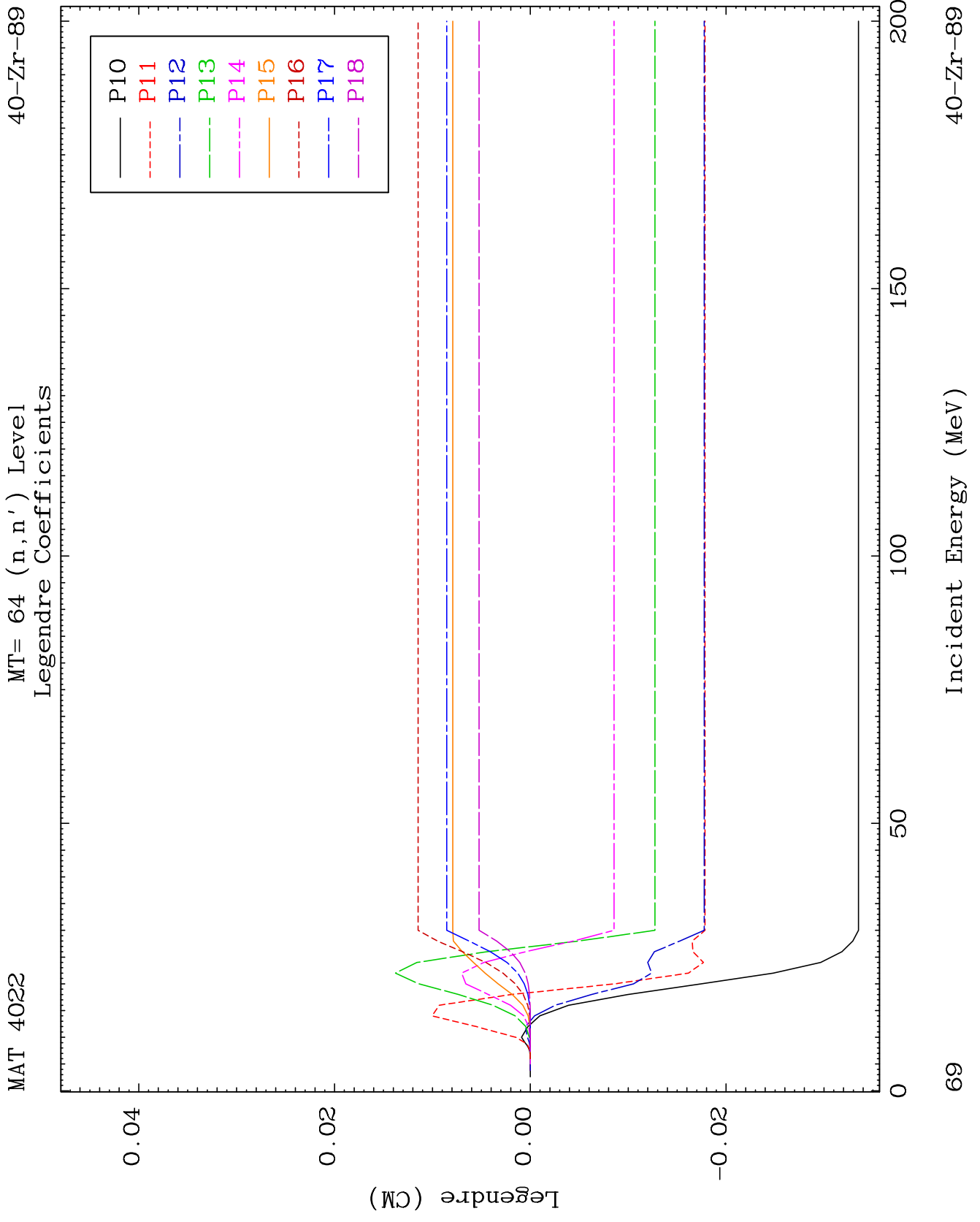
MAT 4022

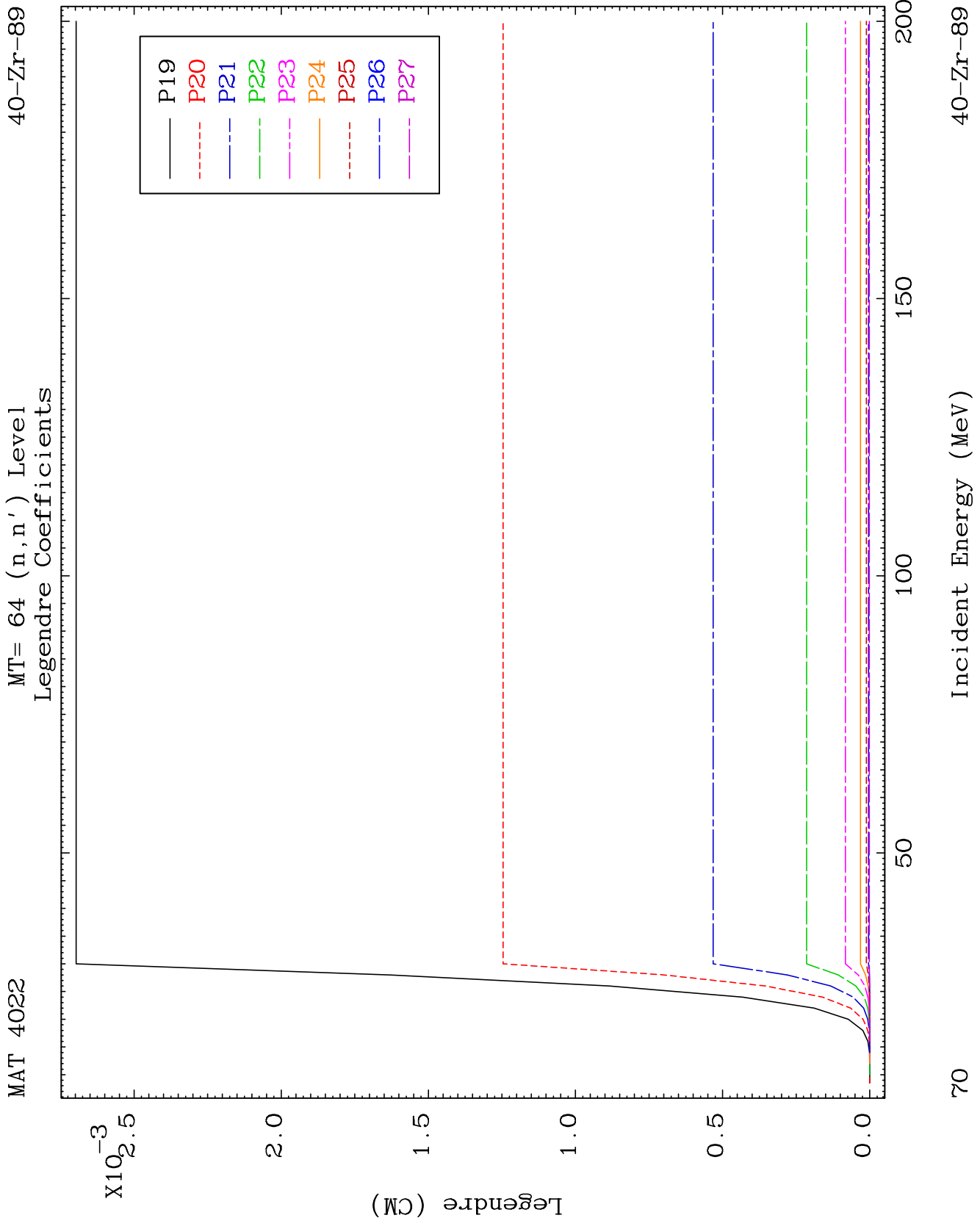
MT= 63 (n,n') Level
Legendre Coefficients

40-Zr-89





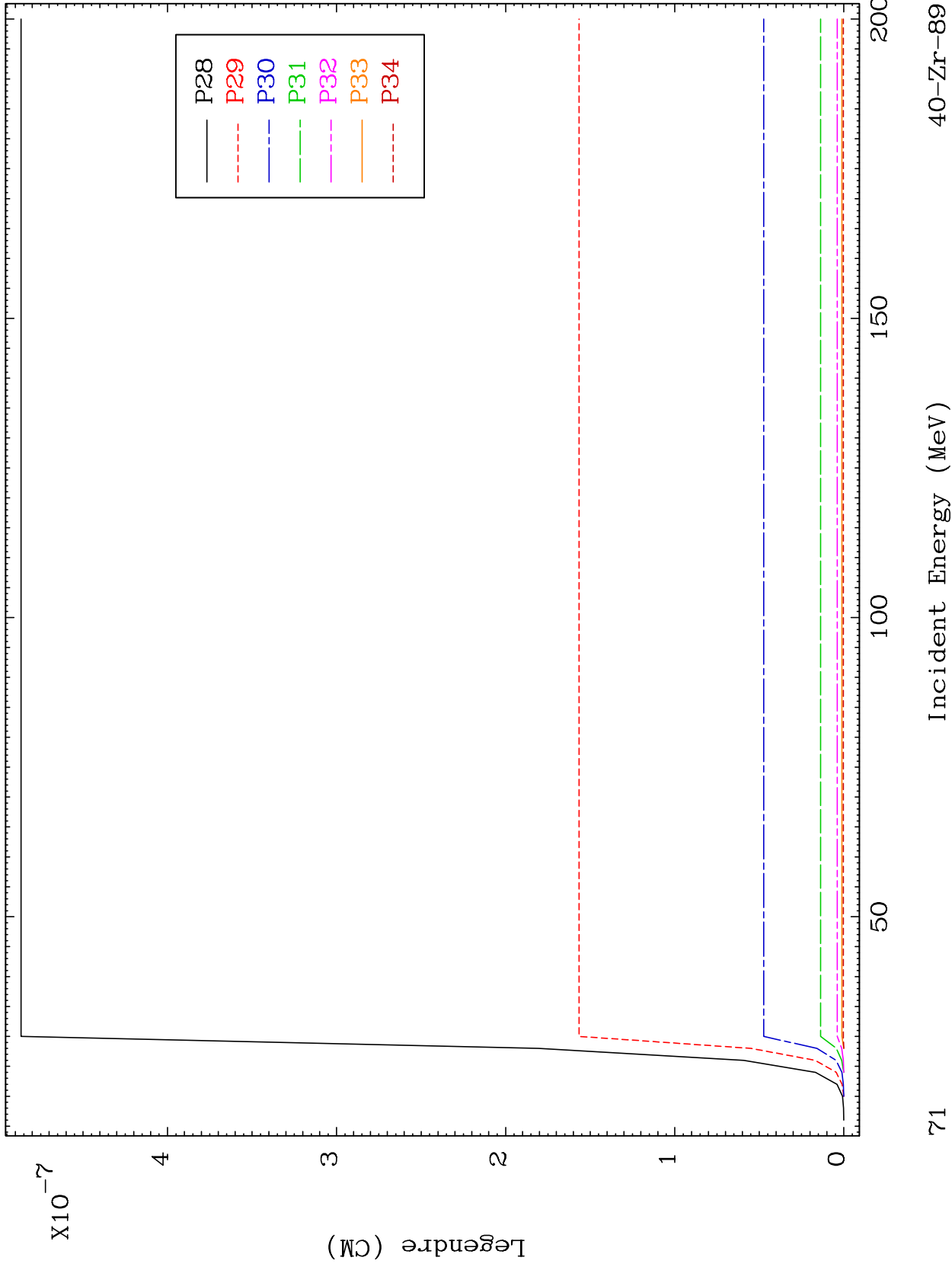




MAT 4022

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

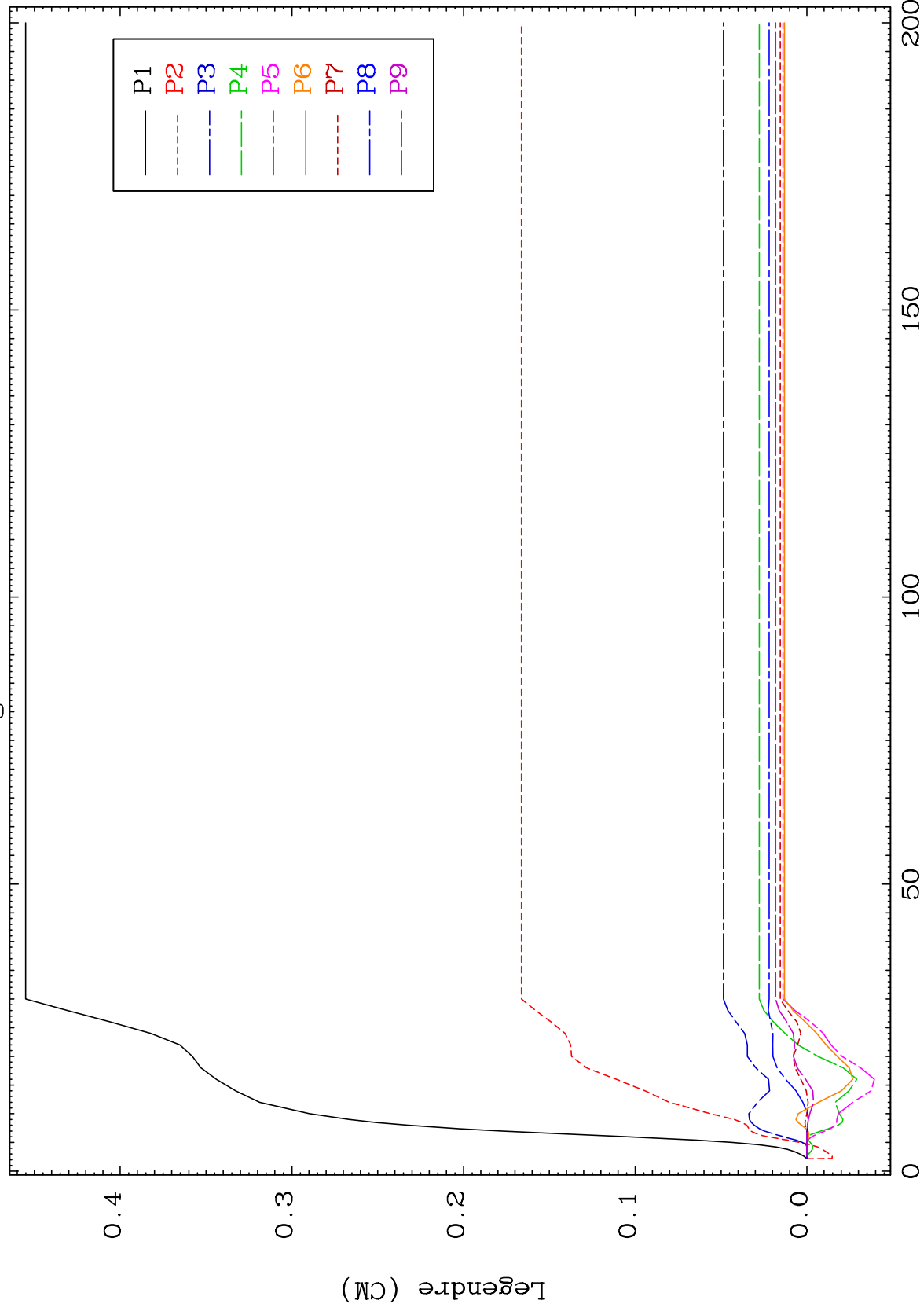
40-Zr-89



MAT 4022

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

40-Zr-89



72

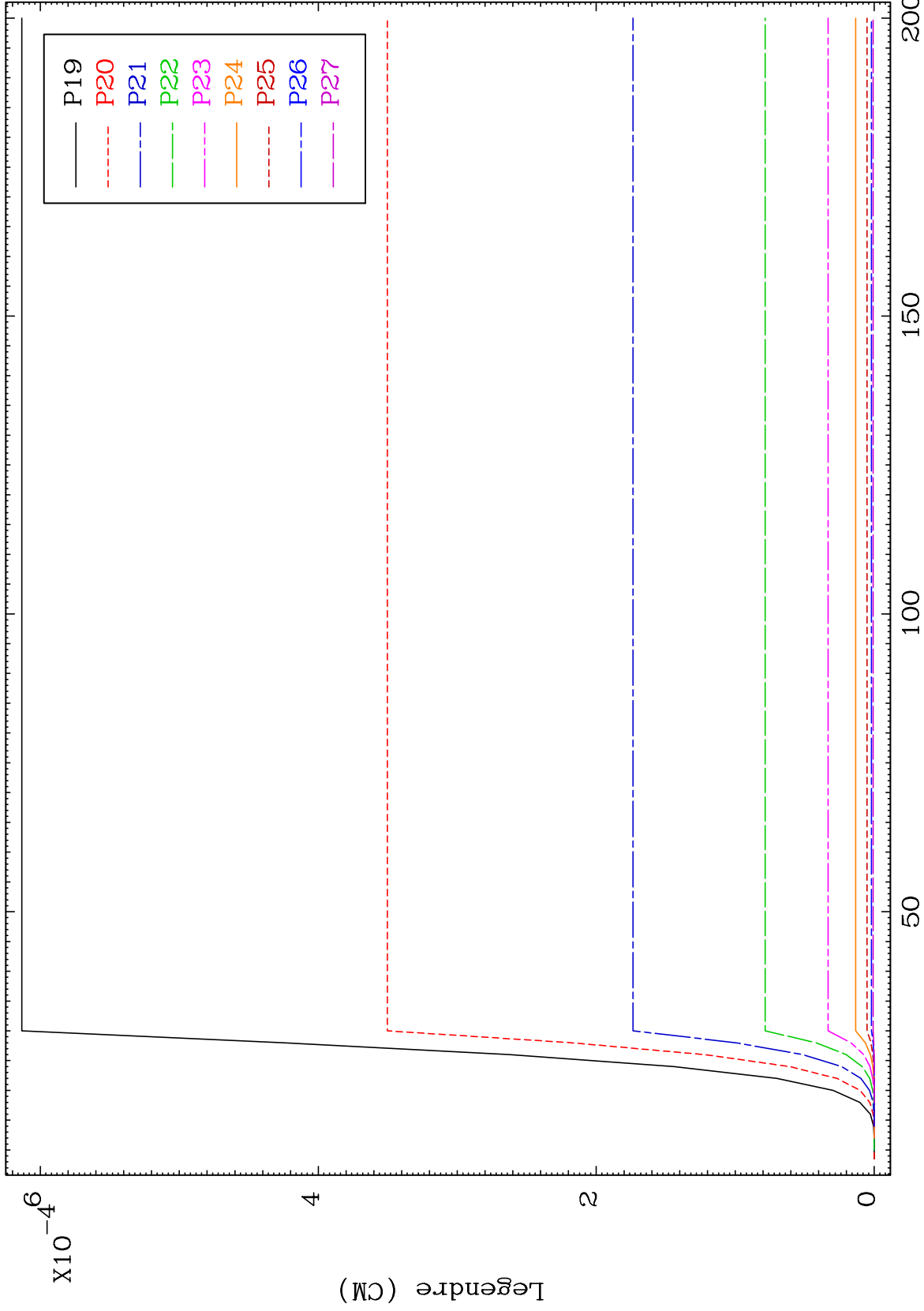
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



74

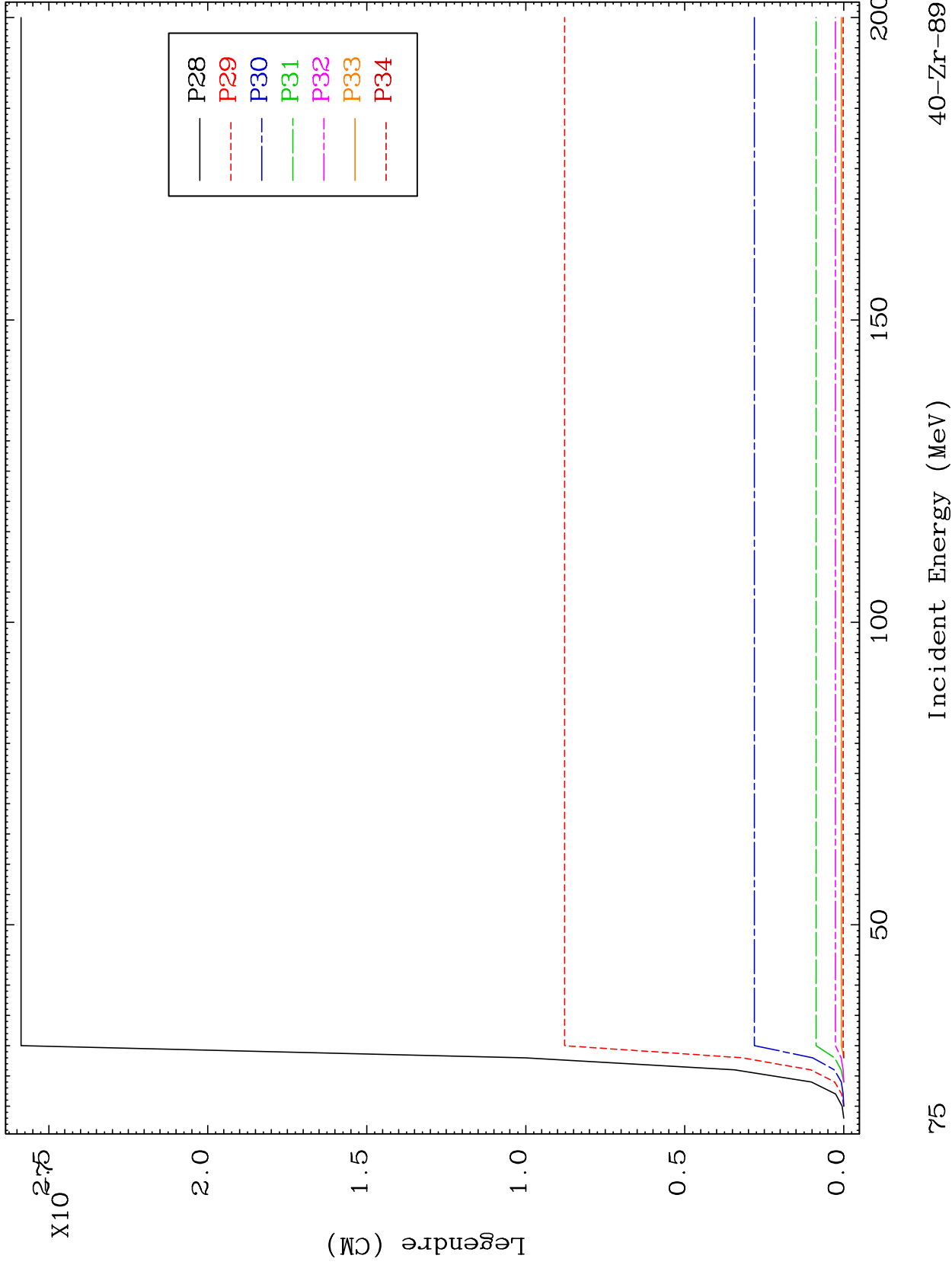
Incident Energy (MeV)

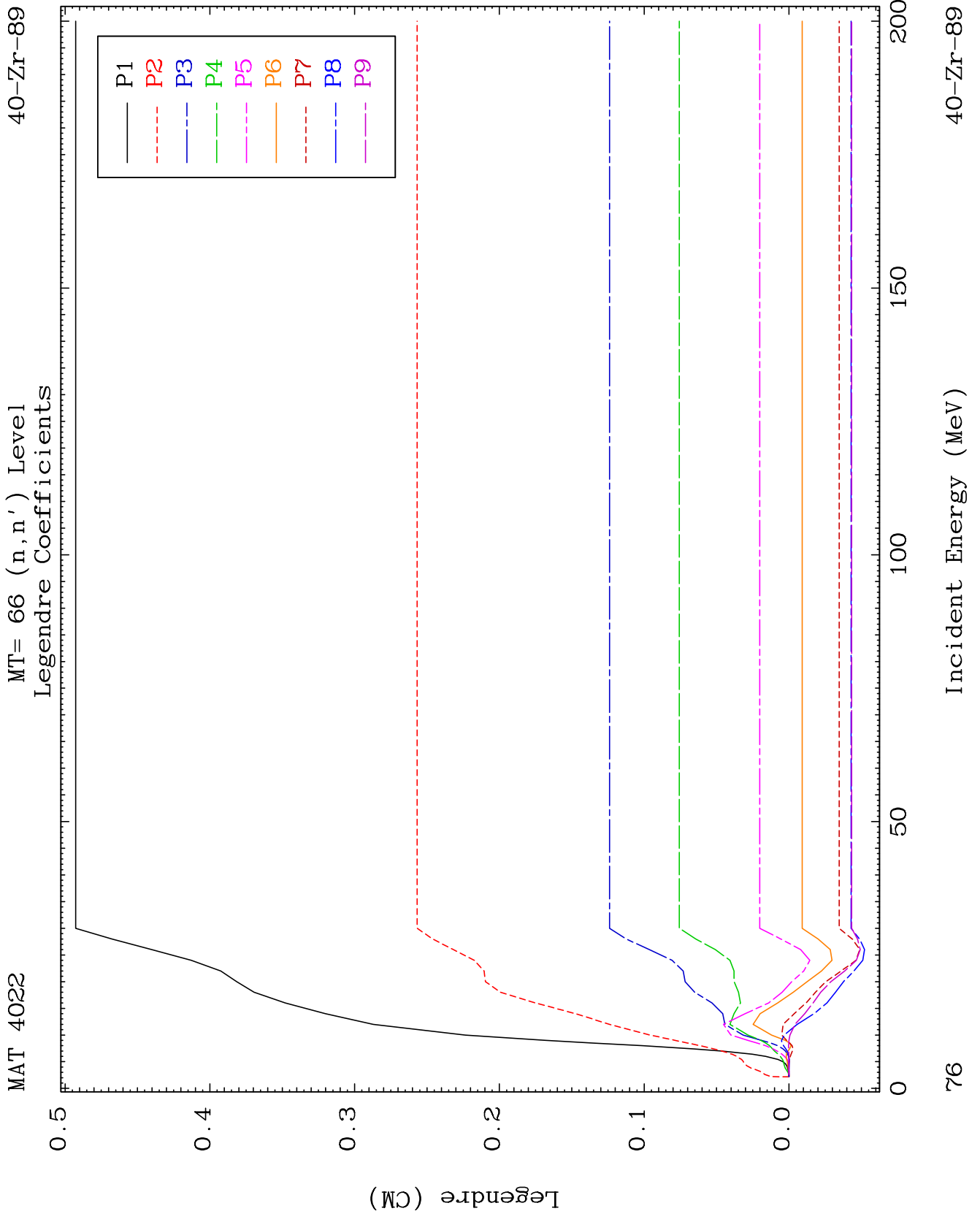
40-Zr-89

MAT 4022

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

40-Zr-89

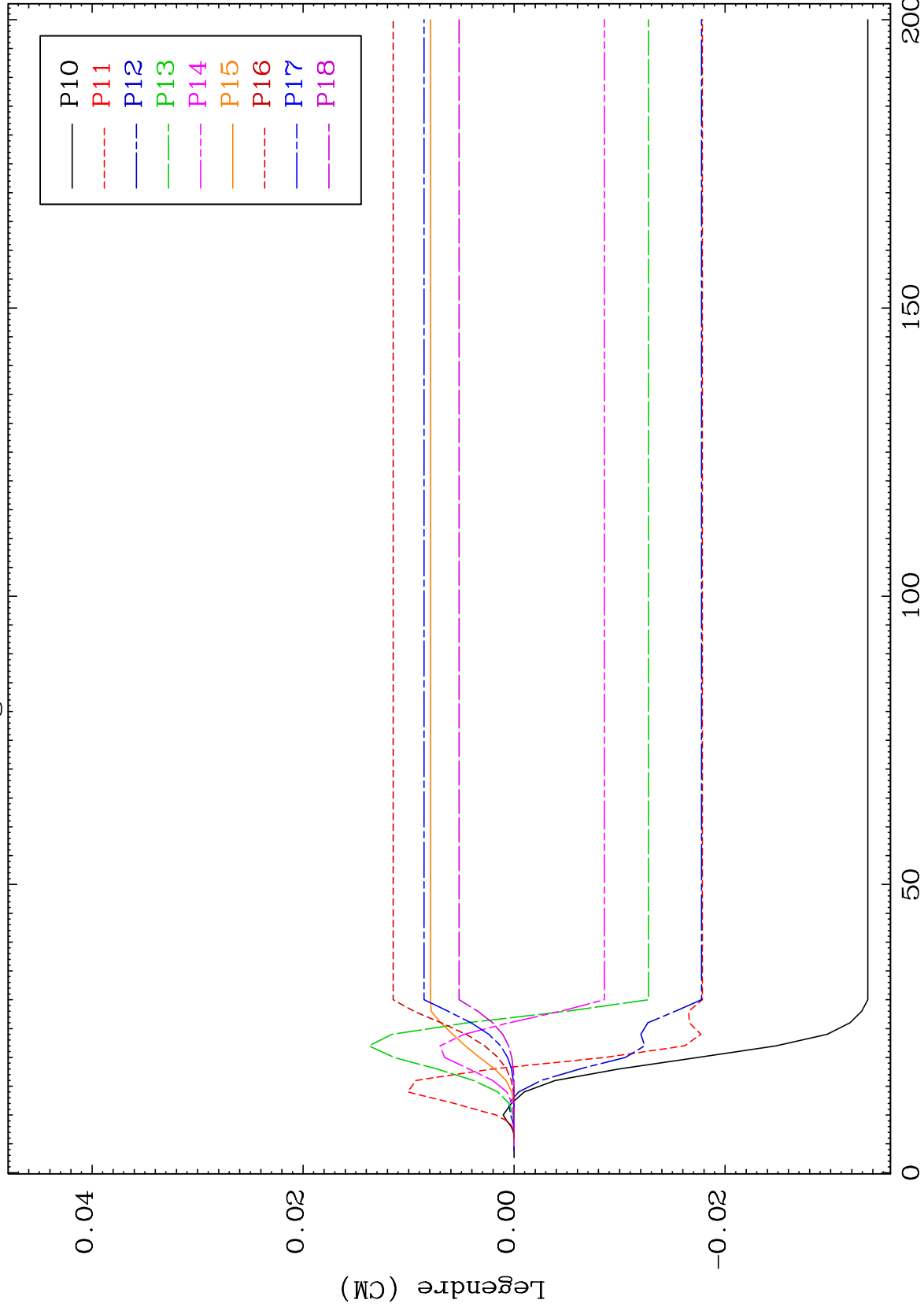




MAT 4022

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

40-Zr-89



77

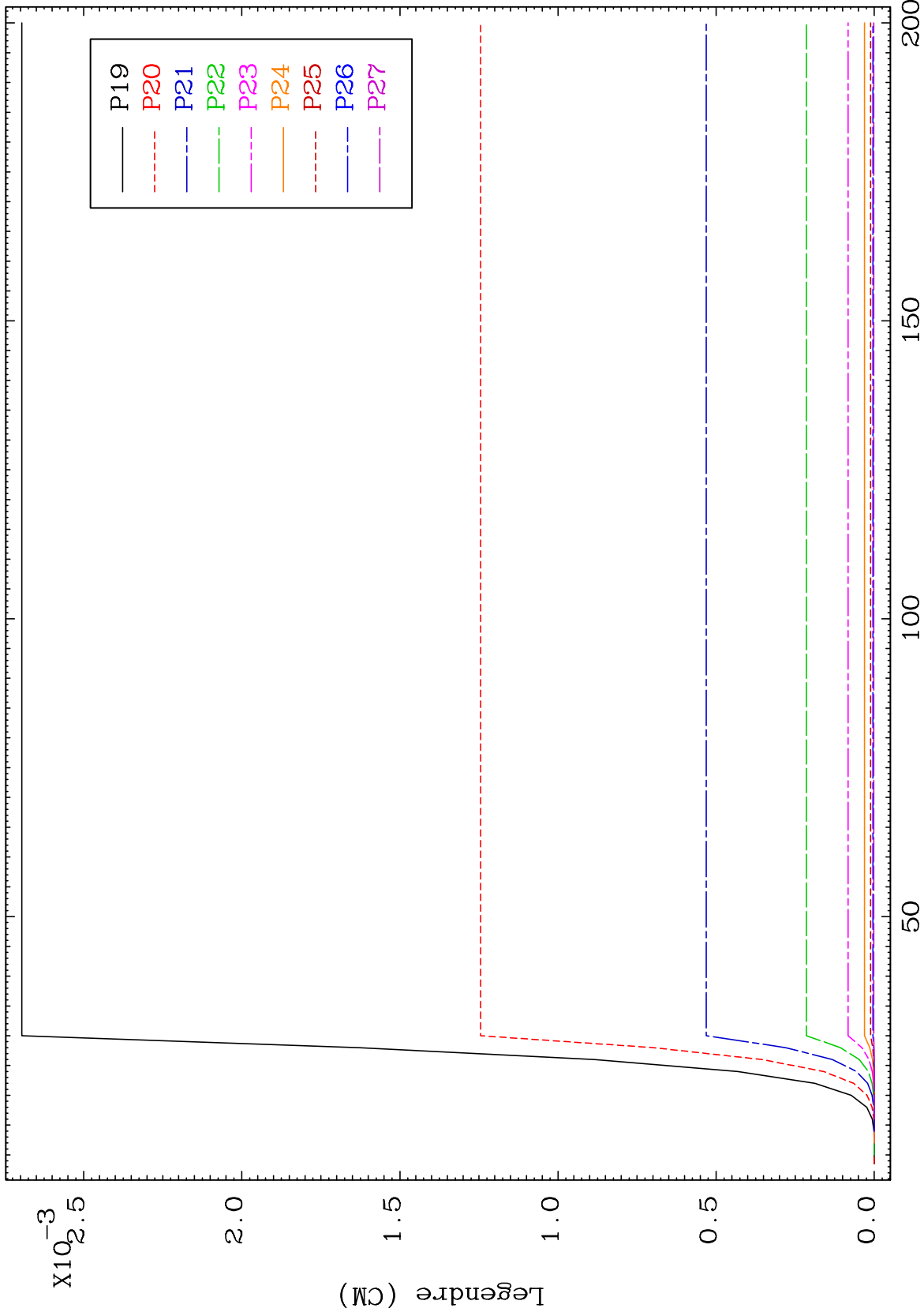
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



78

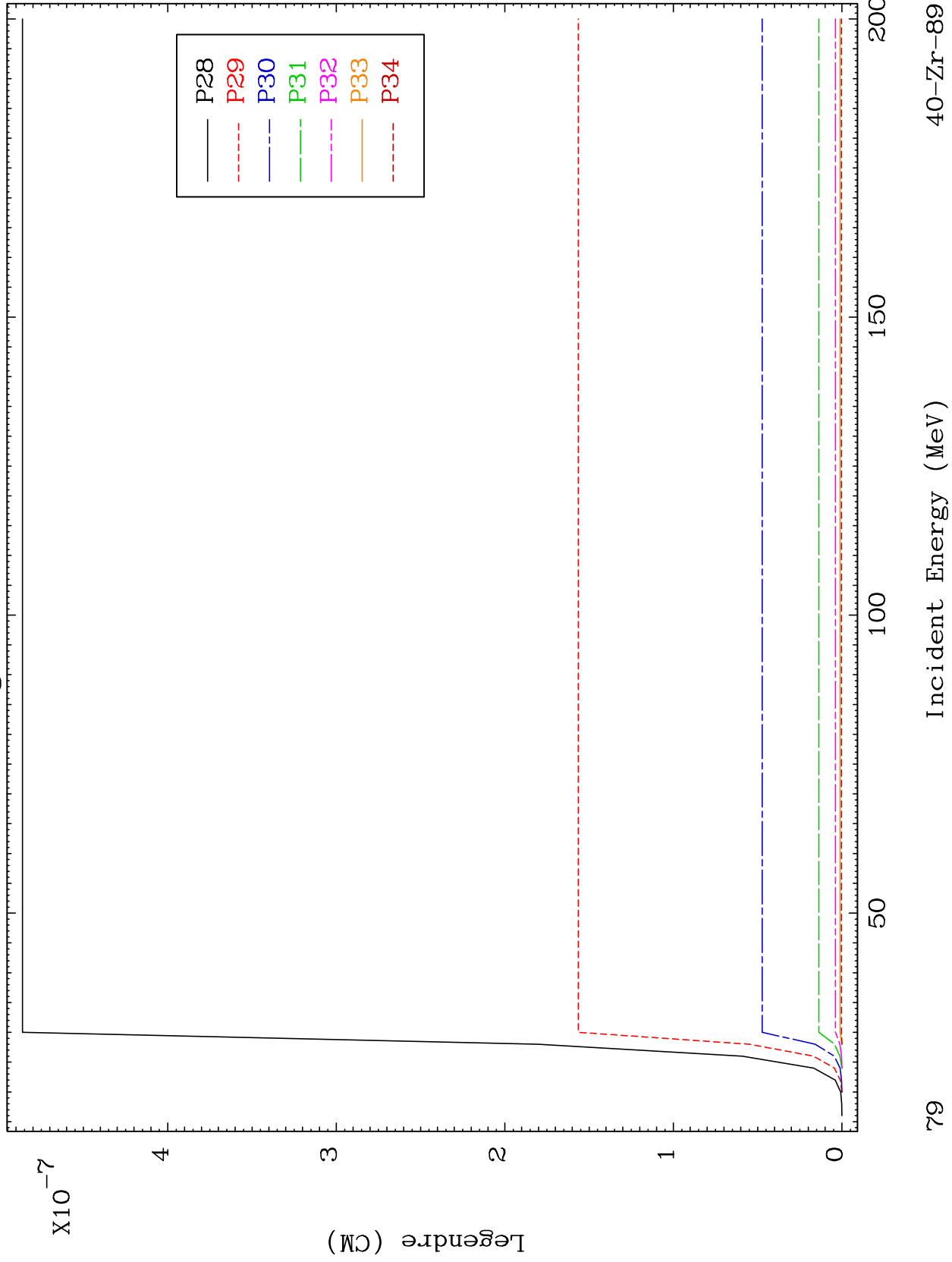
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89

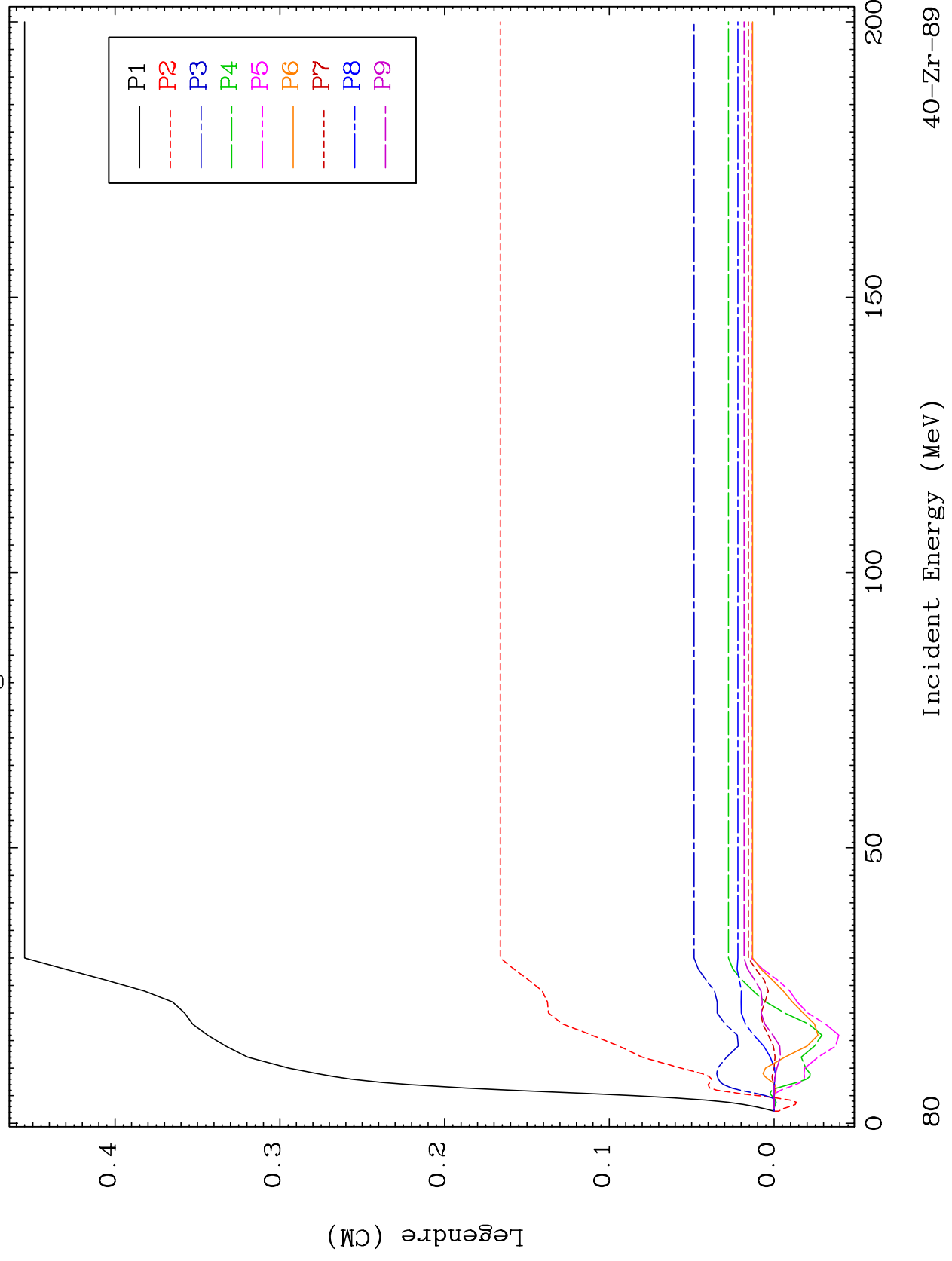


79

MAT 4022

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

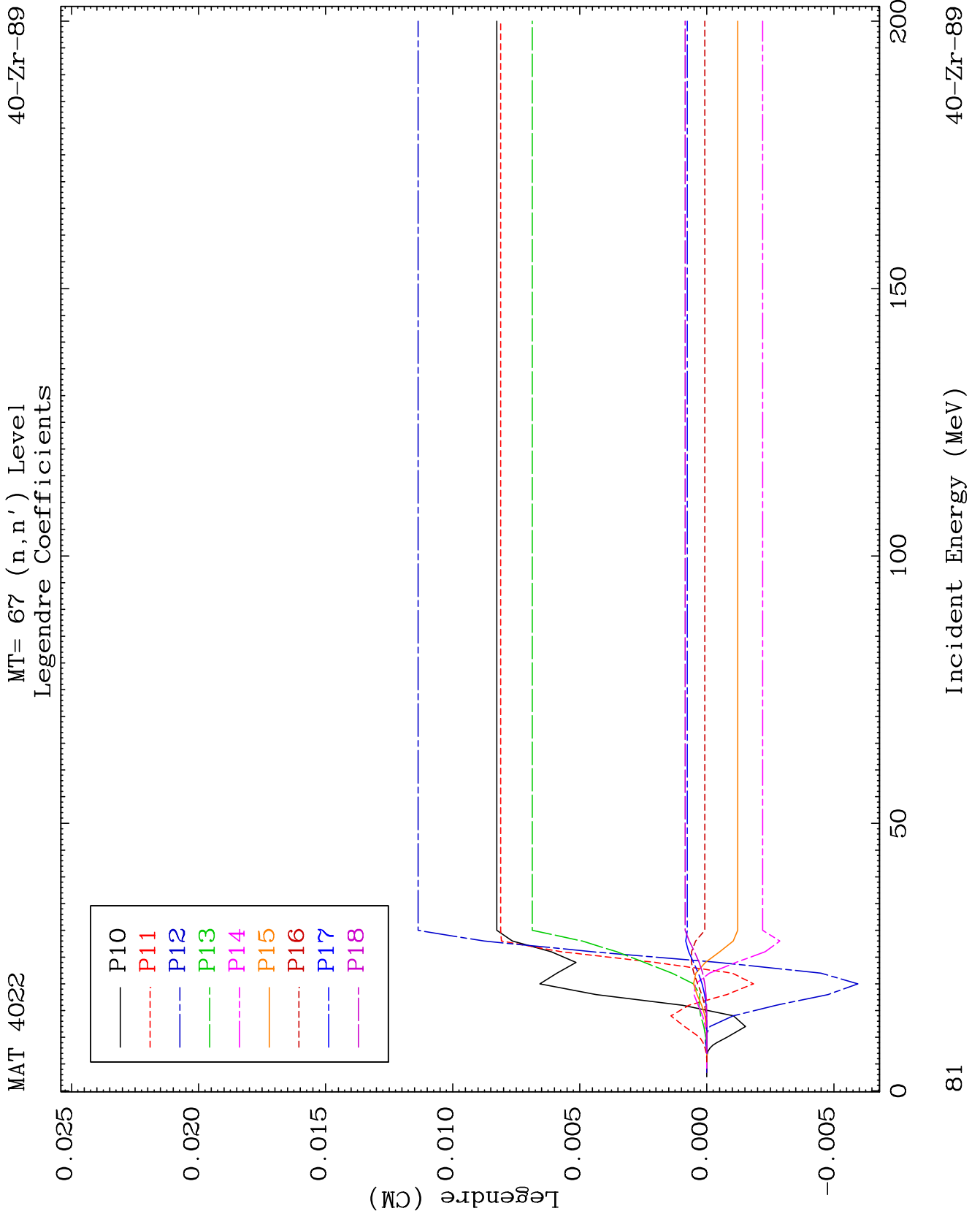
40-Zr-89



40-Zr-89

Incident Energy (MeV)

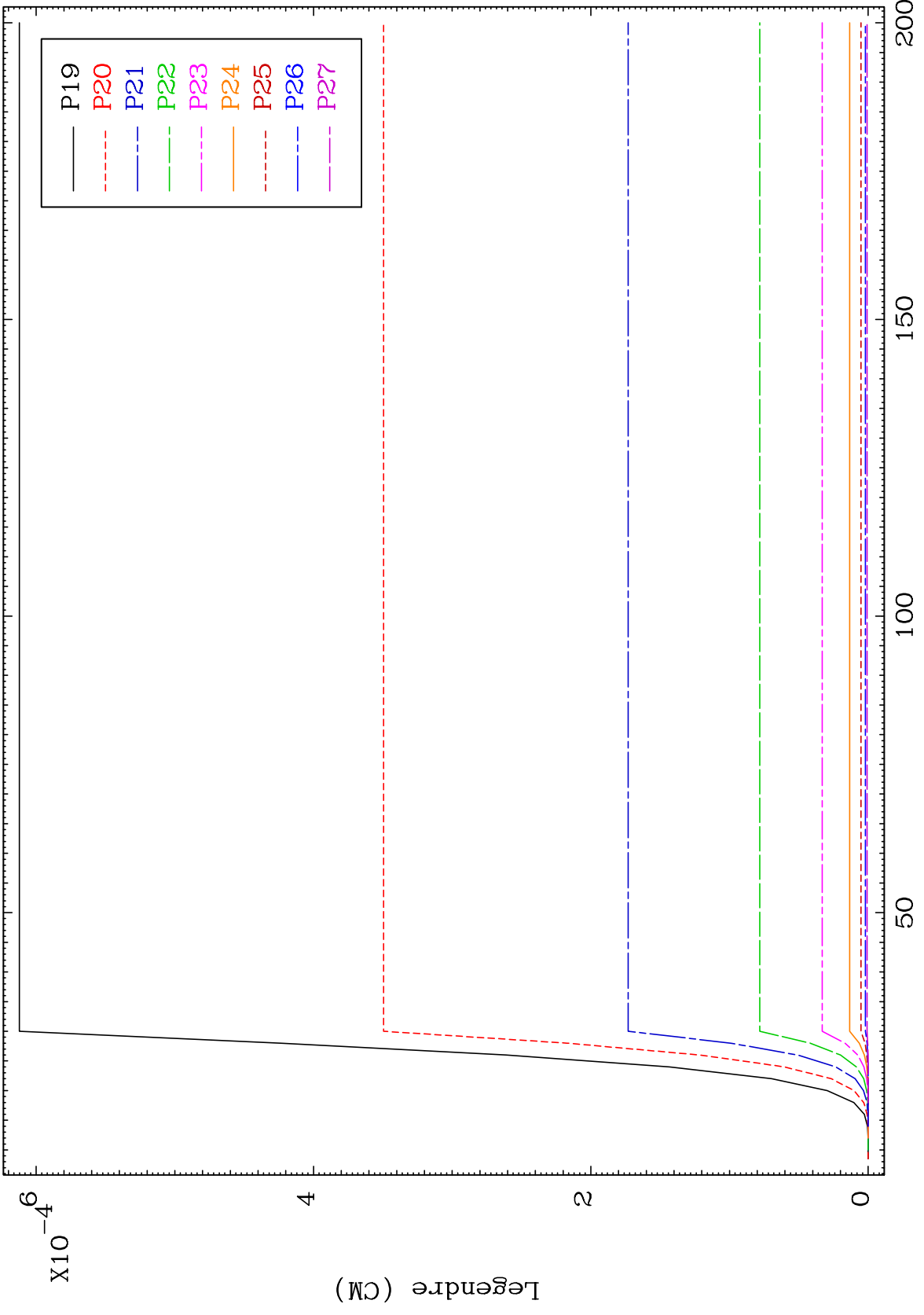
80



MAT 4022

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

40-Zr-89



82

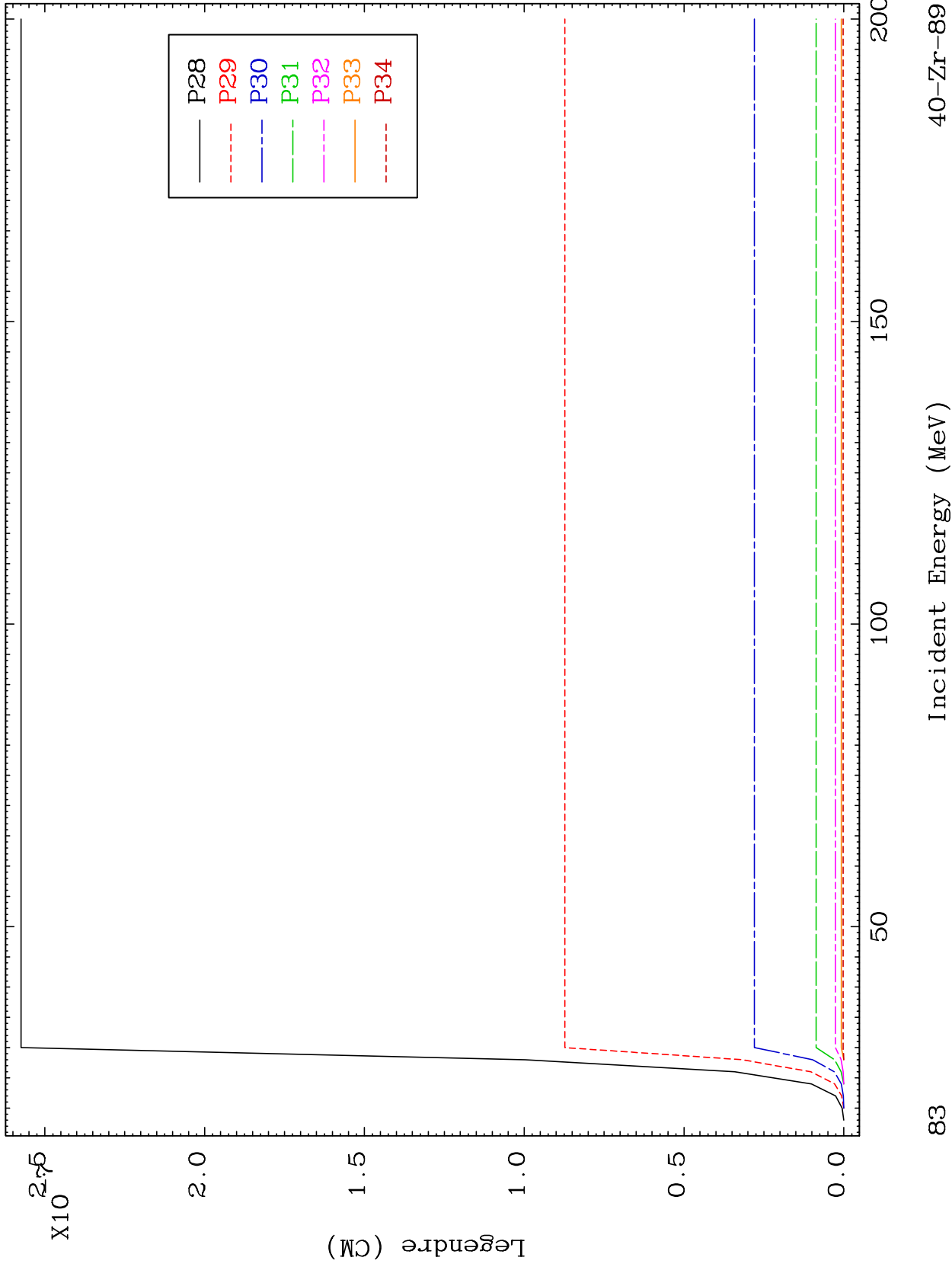
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

40-Zr-89



83

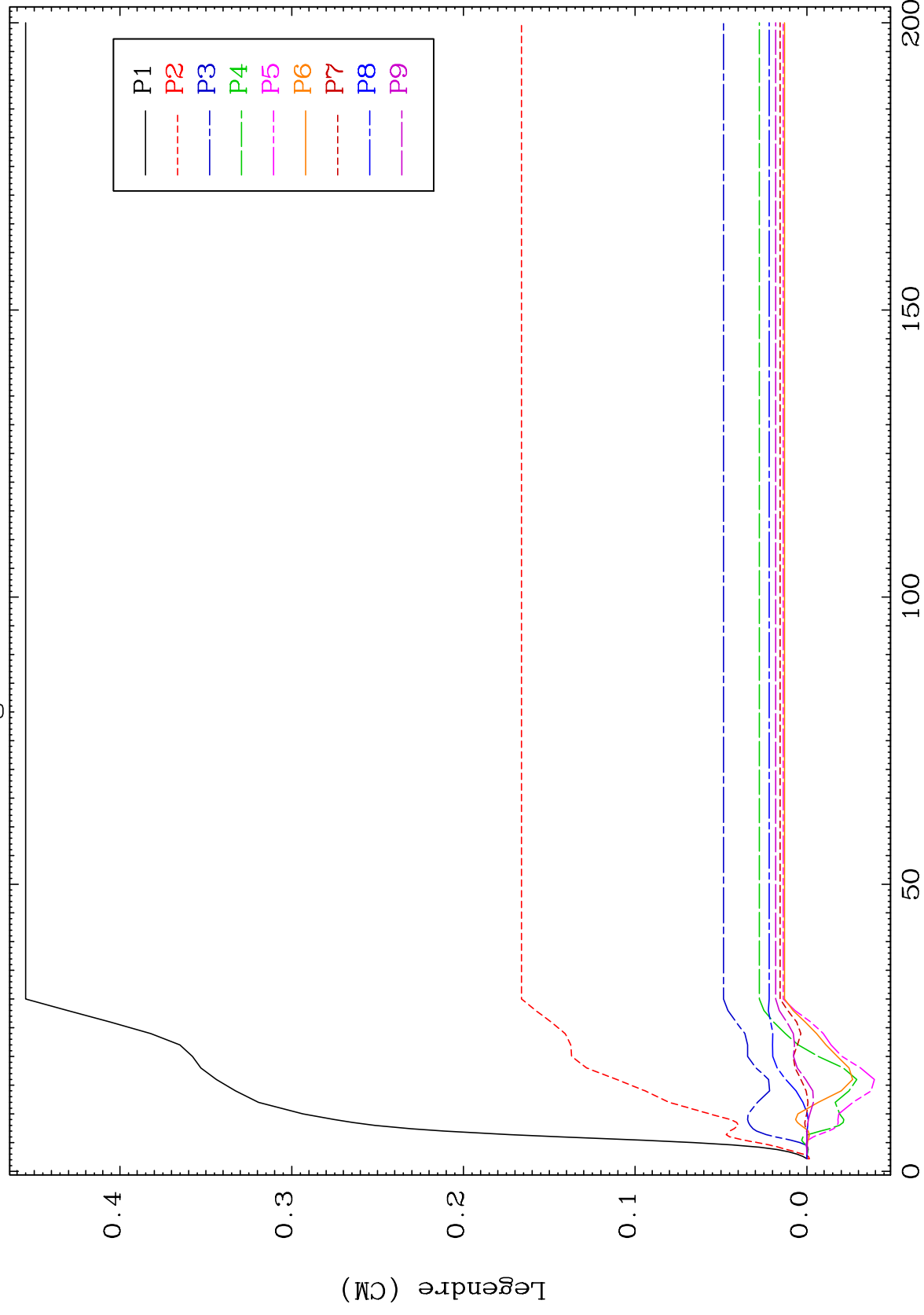
Incident Energy (MeV)

40-Zr-89

MAT 4022

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

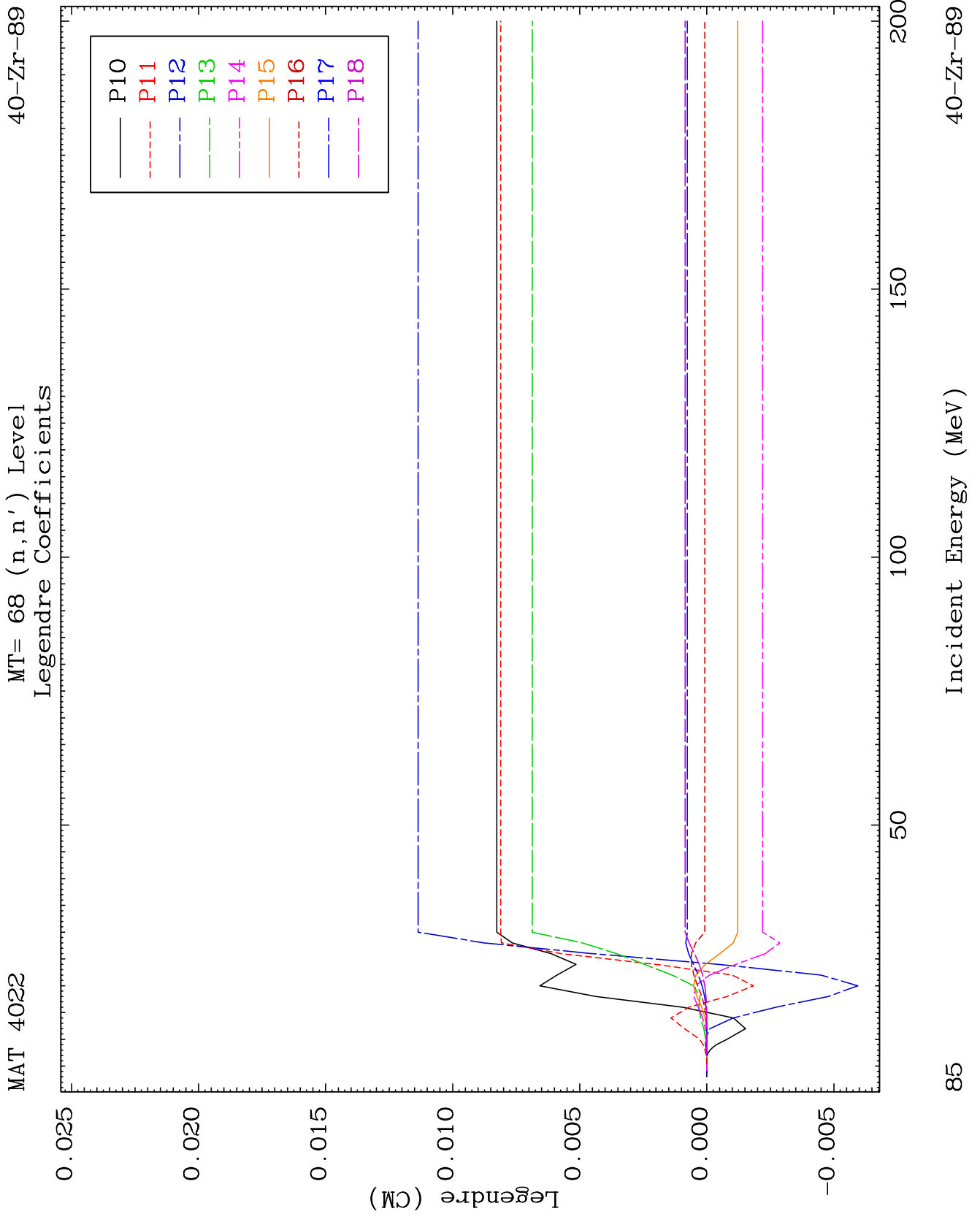
40-Zr-89



84

Incident Energy (MeV)

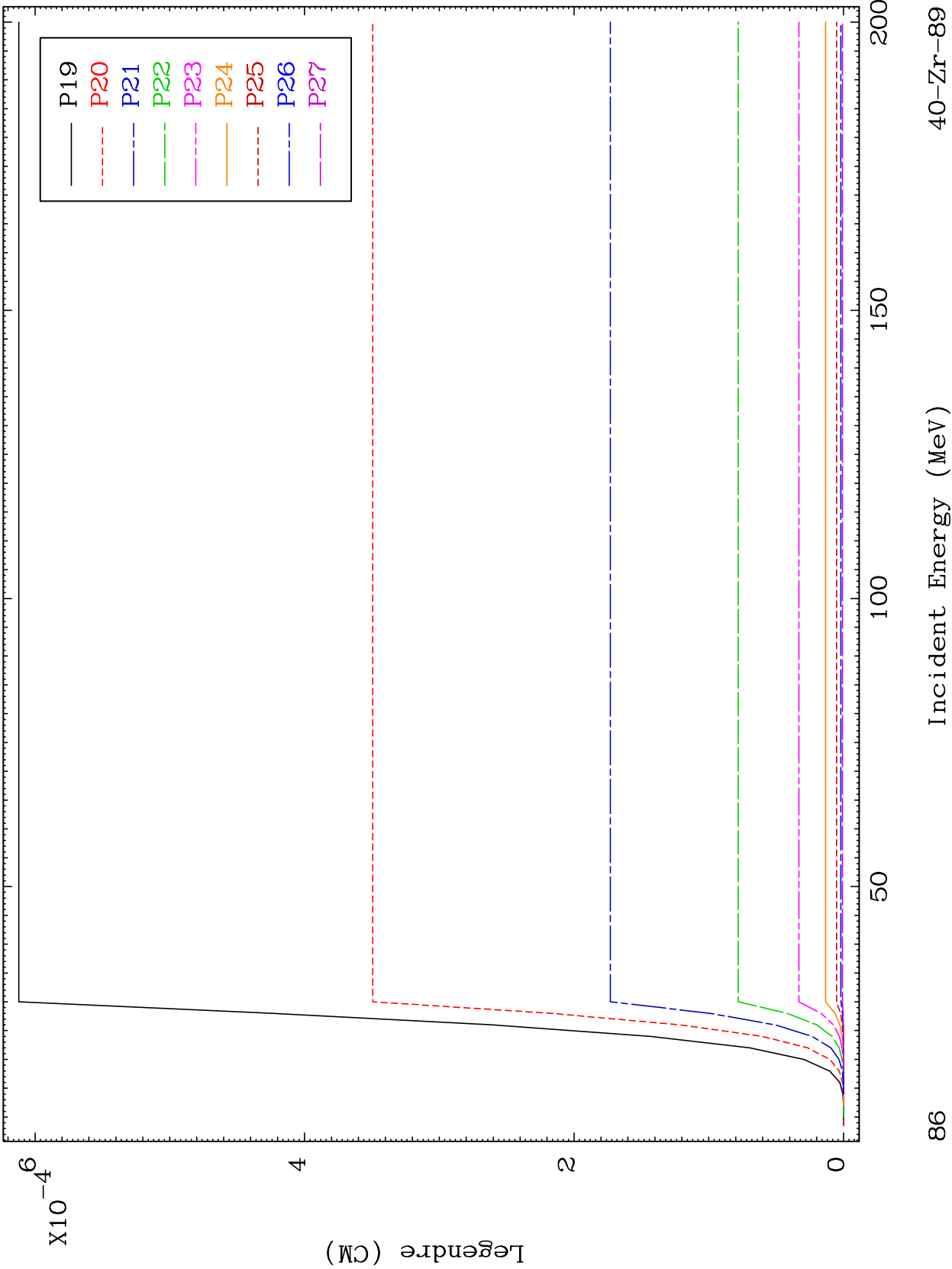
40-Zr-89



MAT 4022

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

40-Zr-89



86

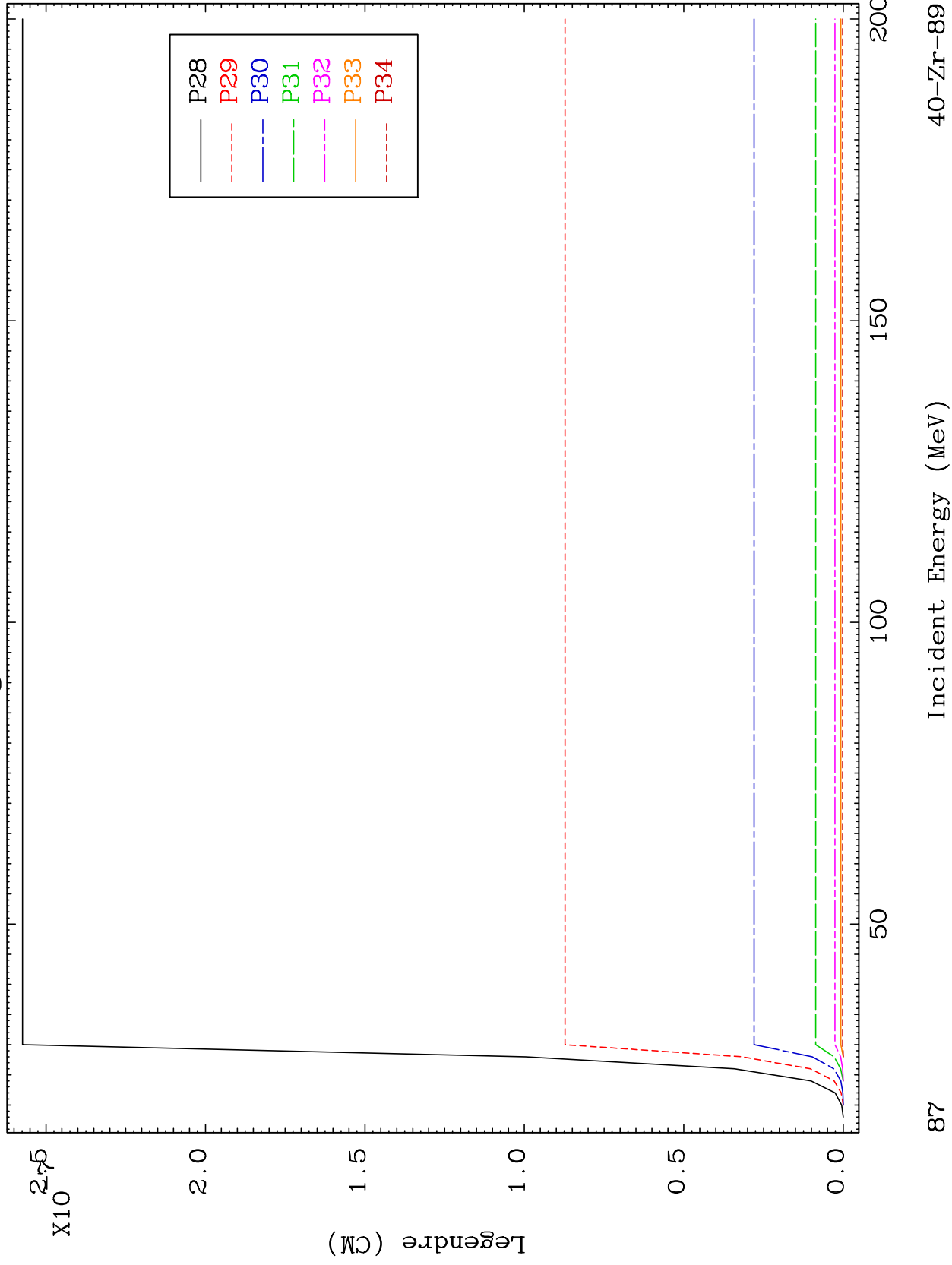
Incident Energy (MeV)

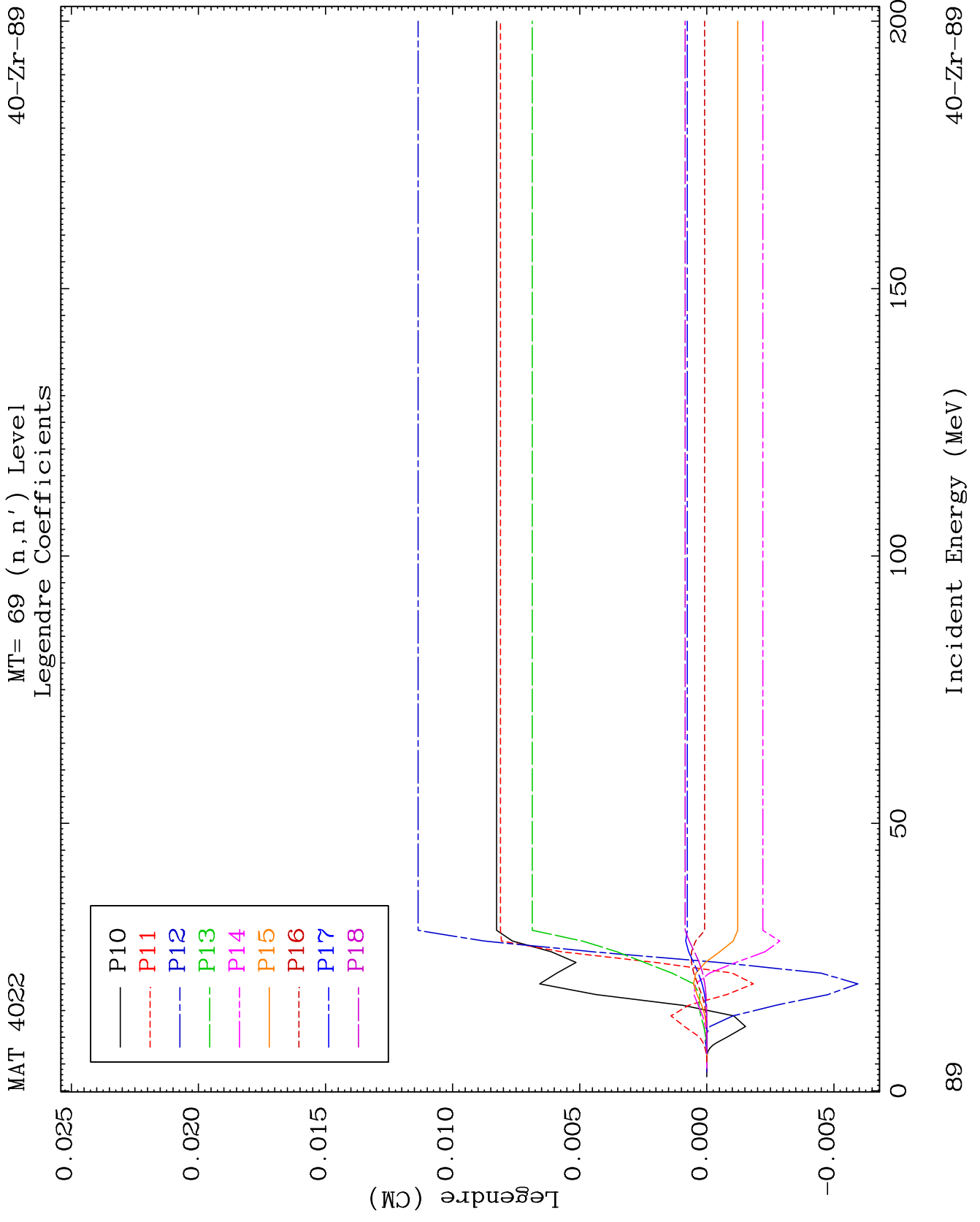
40-Zr-89

MAT 4022

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

40-Zr-89

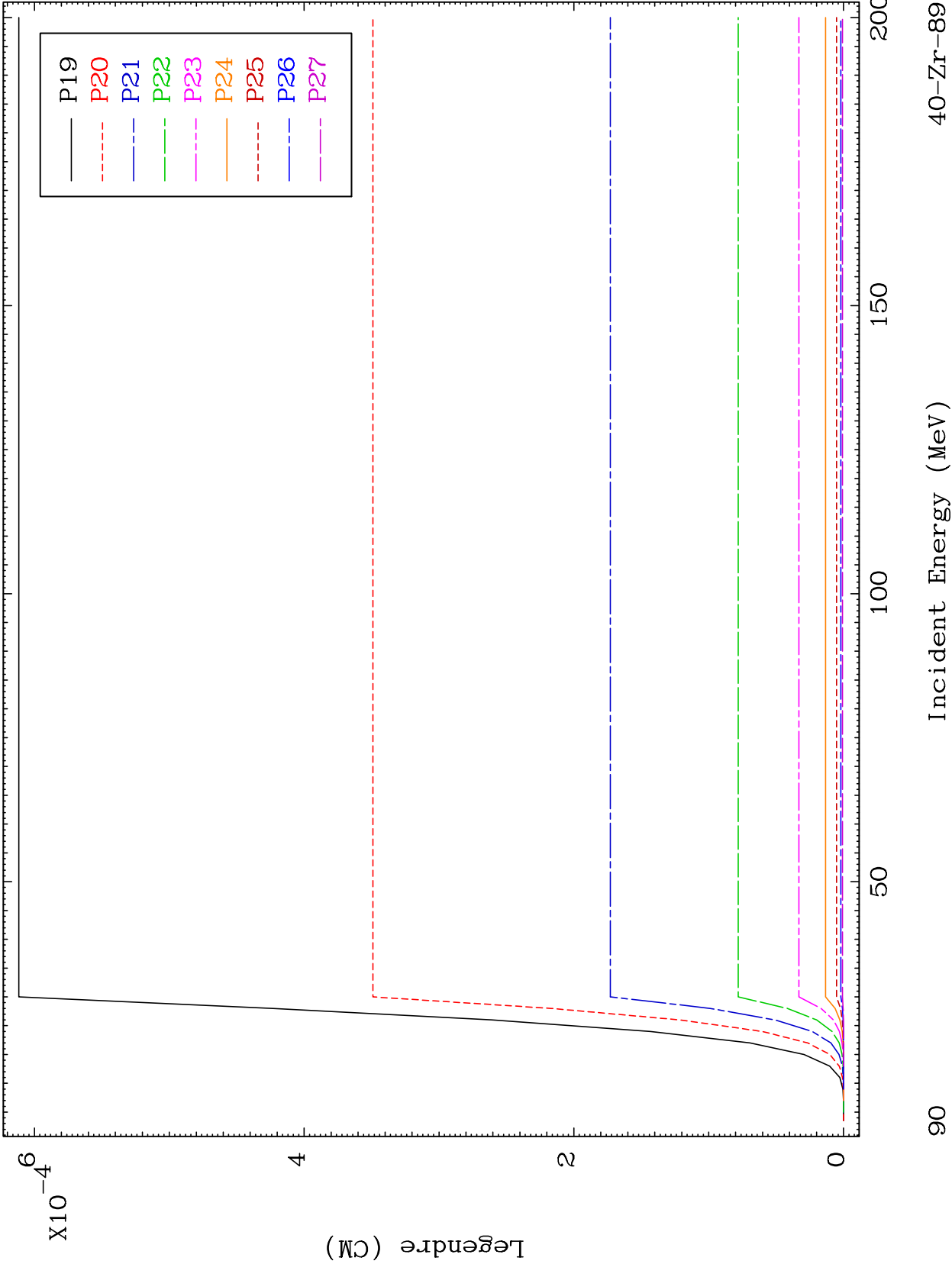




MAT 4022

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

40-Zr-89



90

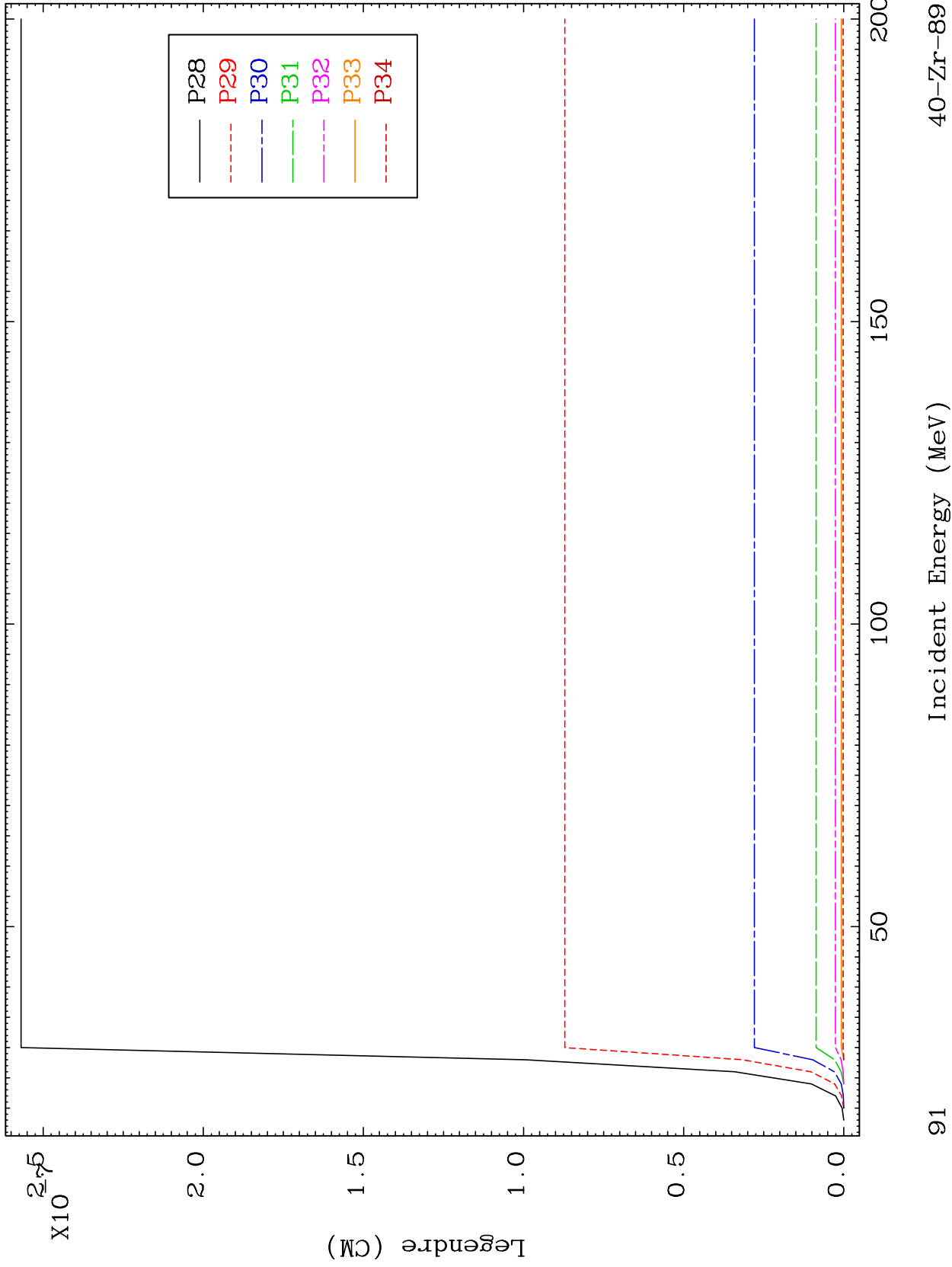
Incident Energy (MeV)

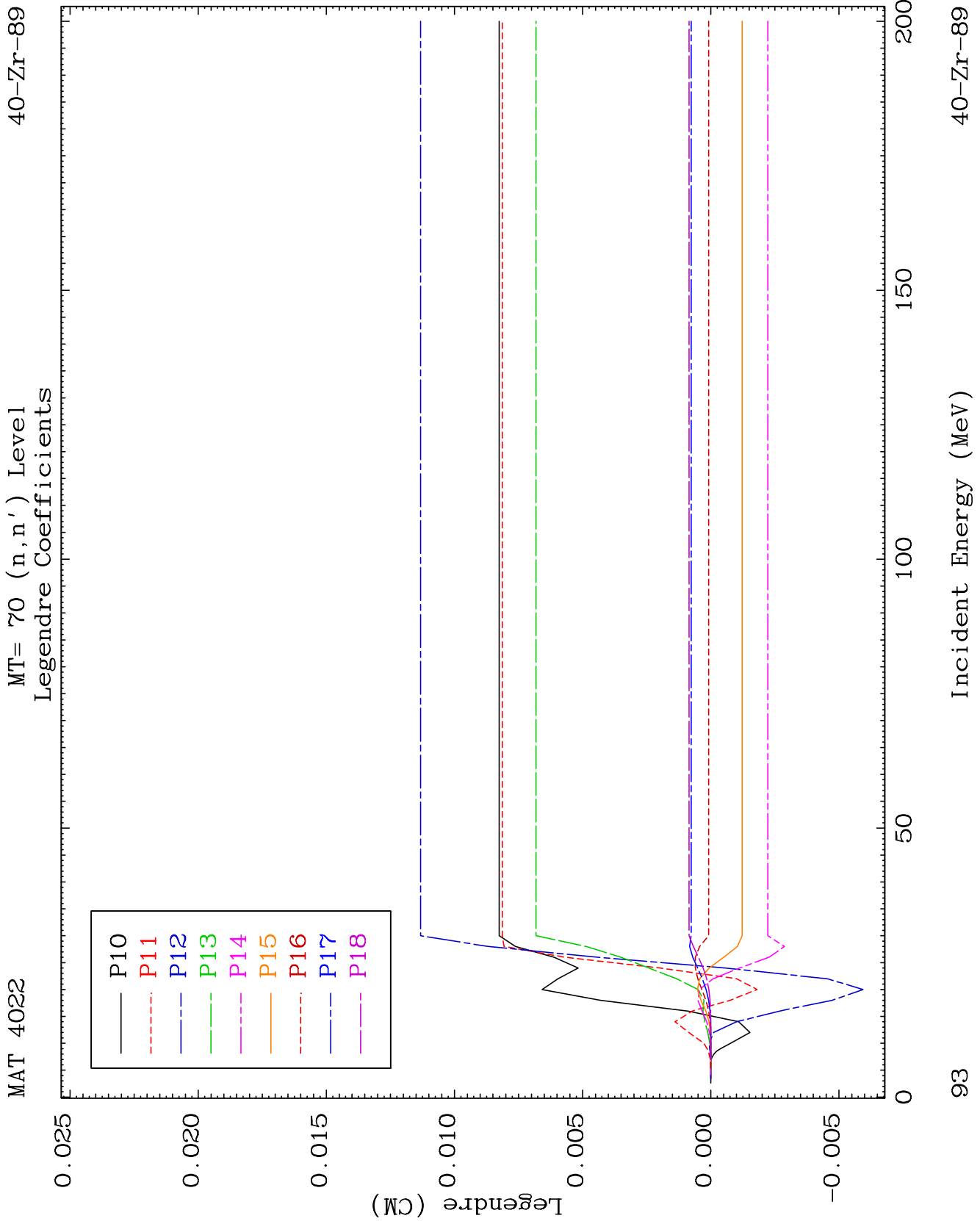
40-Zr-89

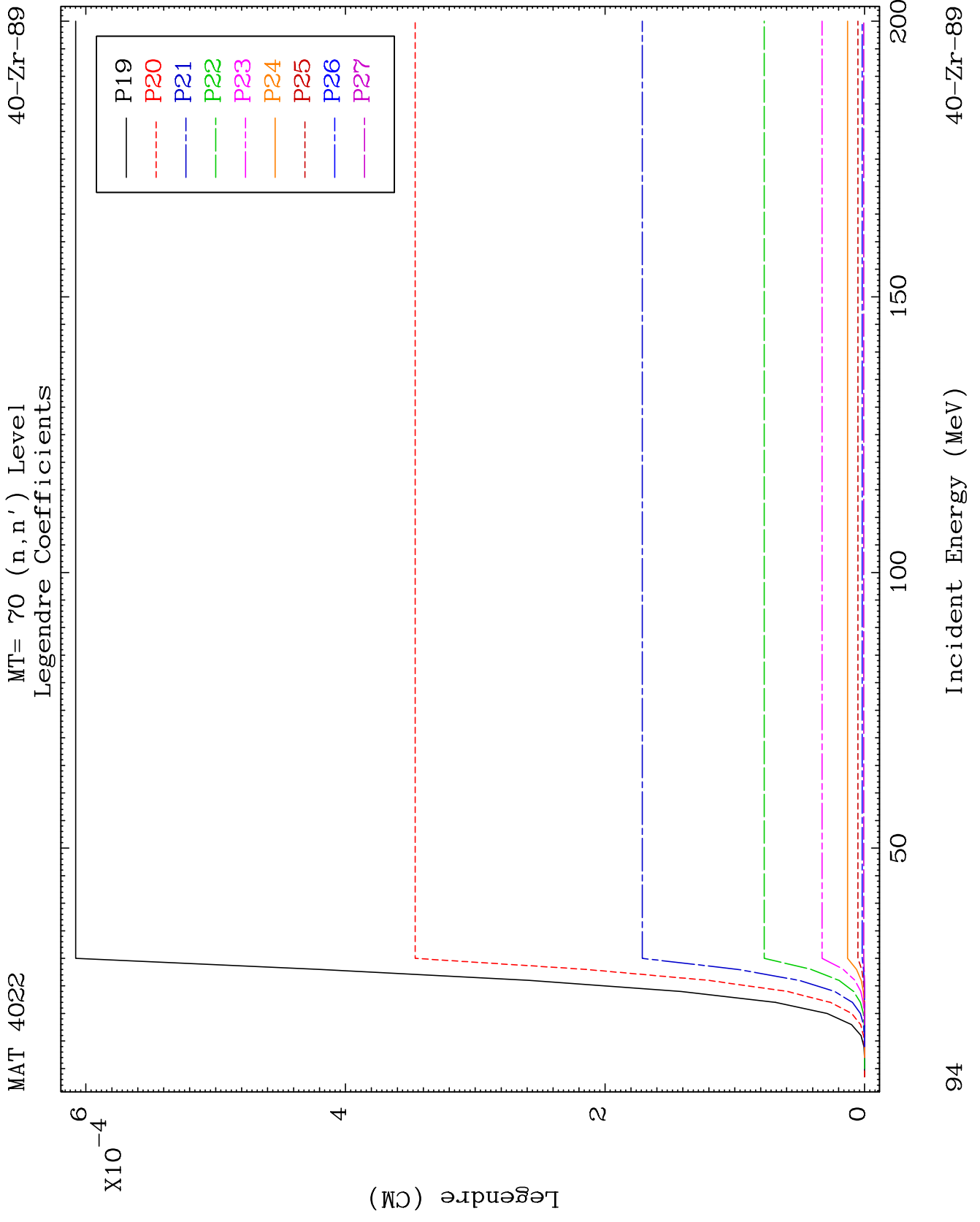
MAT 4022

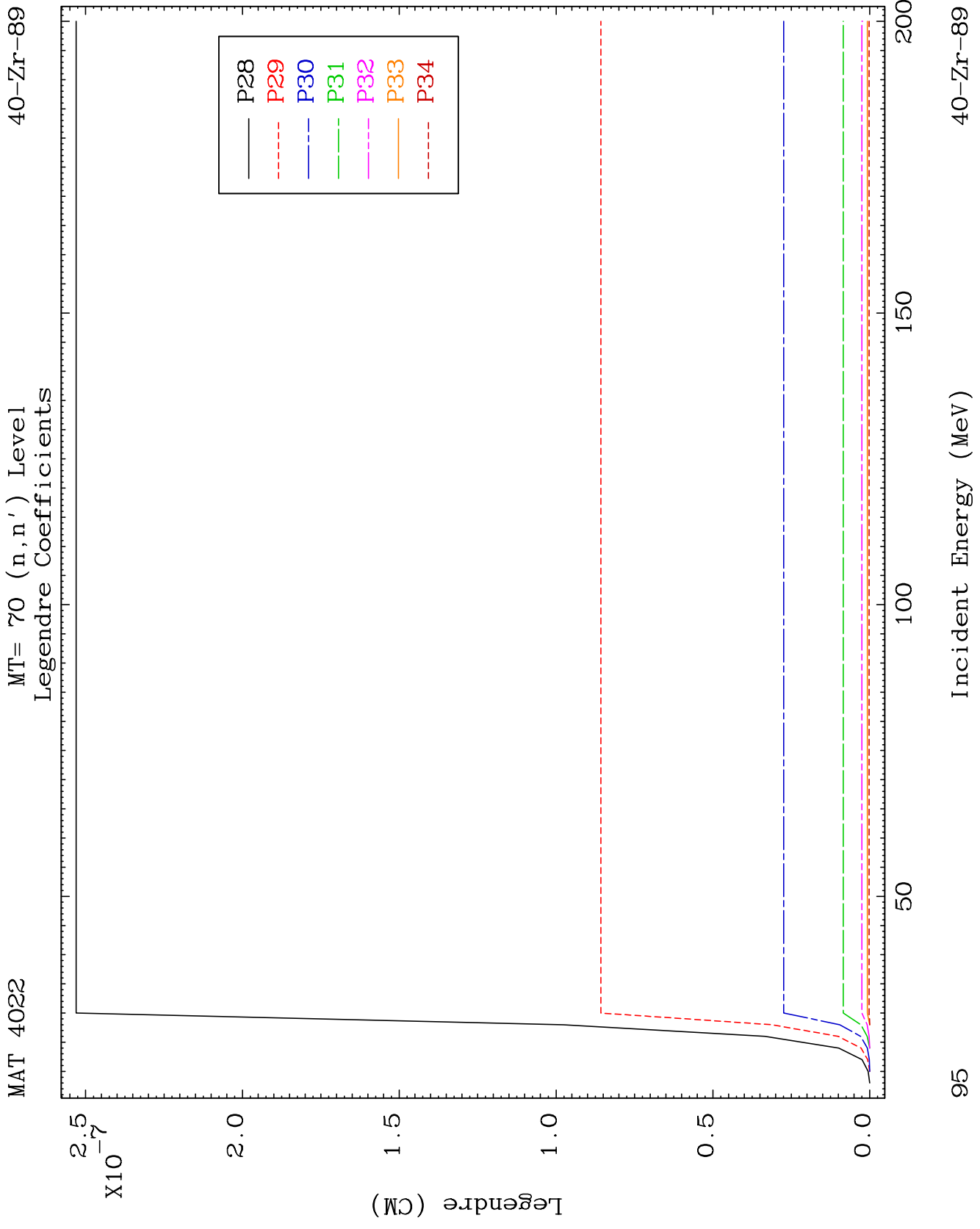
MT= 69 (n,n') Level
Legendre Coefficients

40-Zr-89





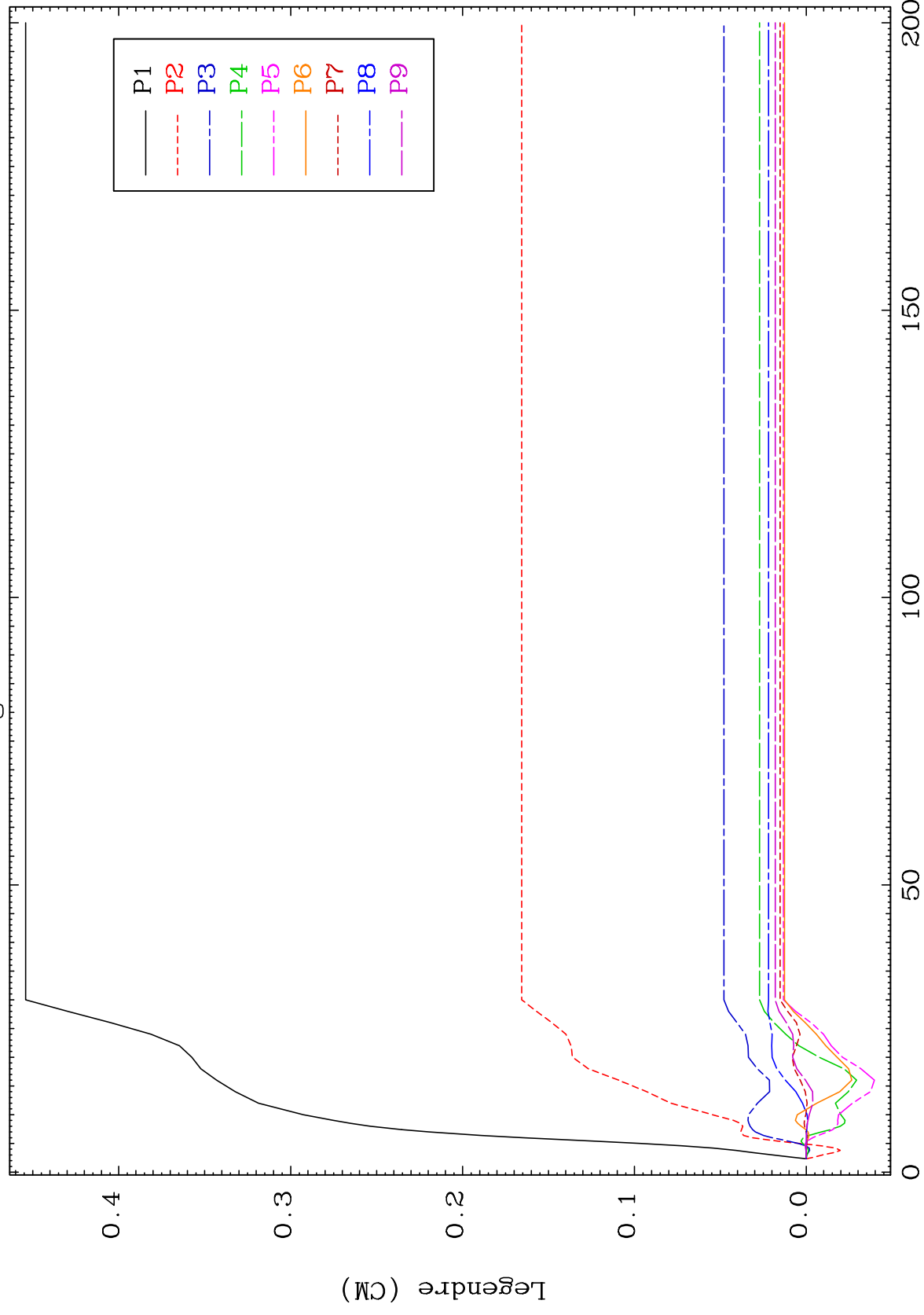




MAT 4022

MT= 71 (n,n') Level
Legendre Coefficients

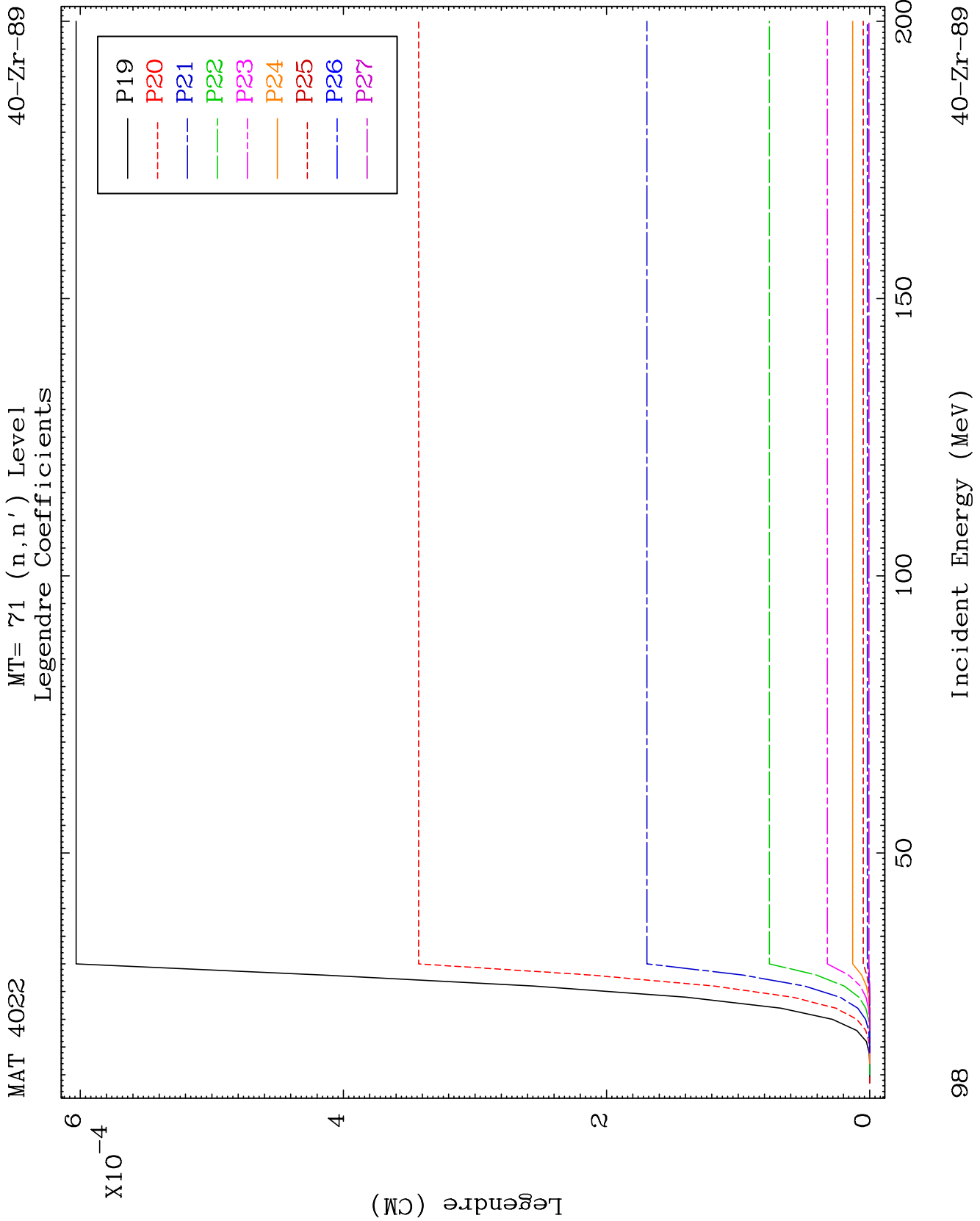
40-Zr-89

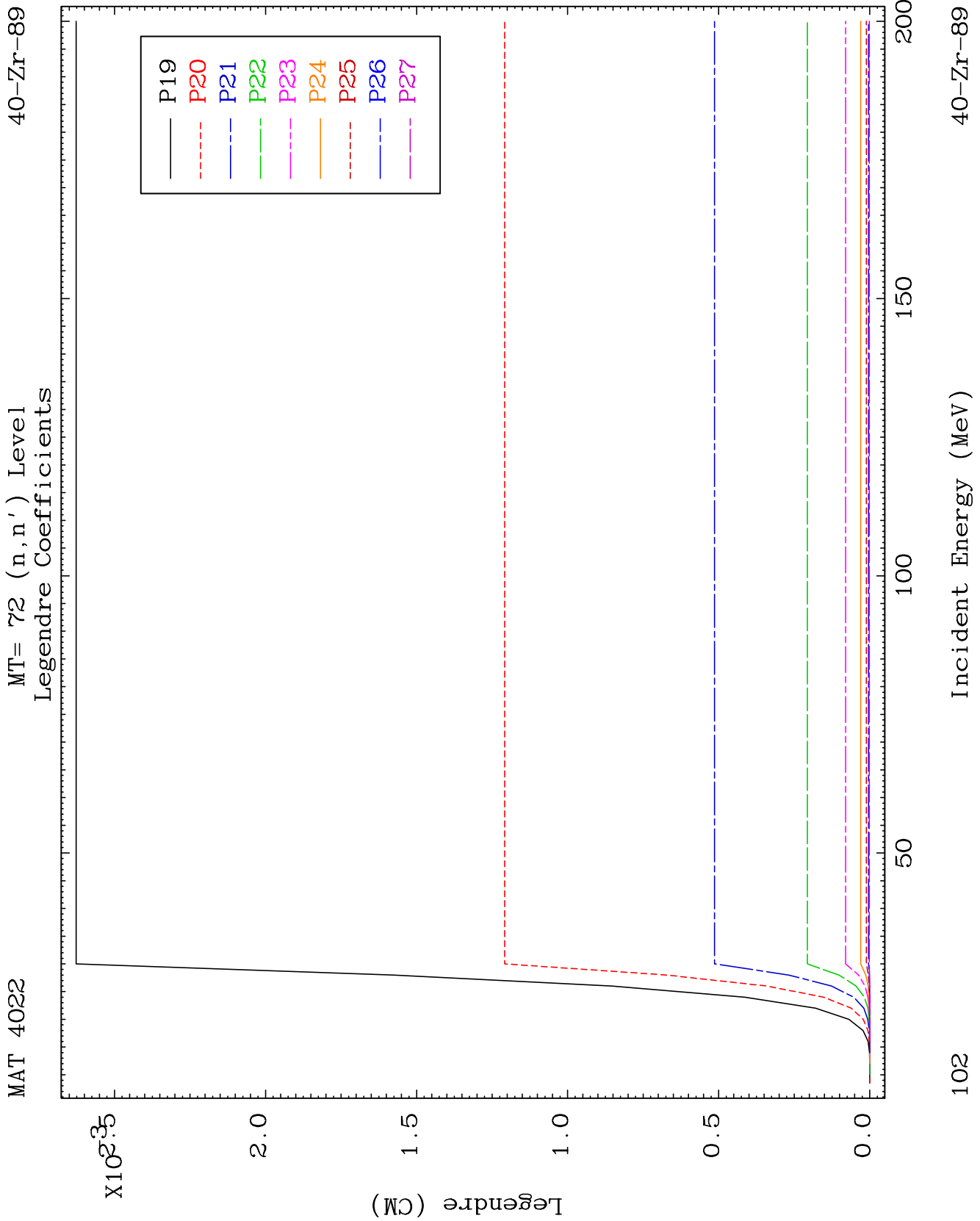


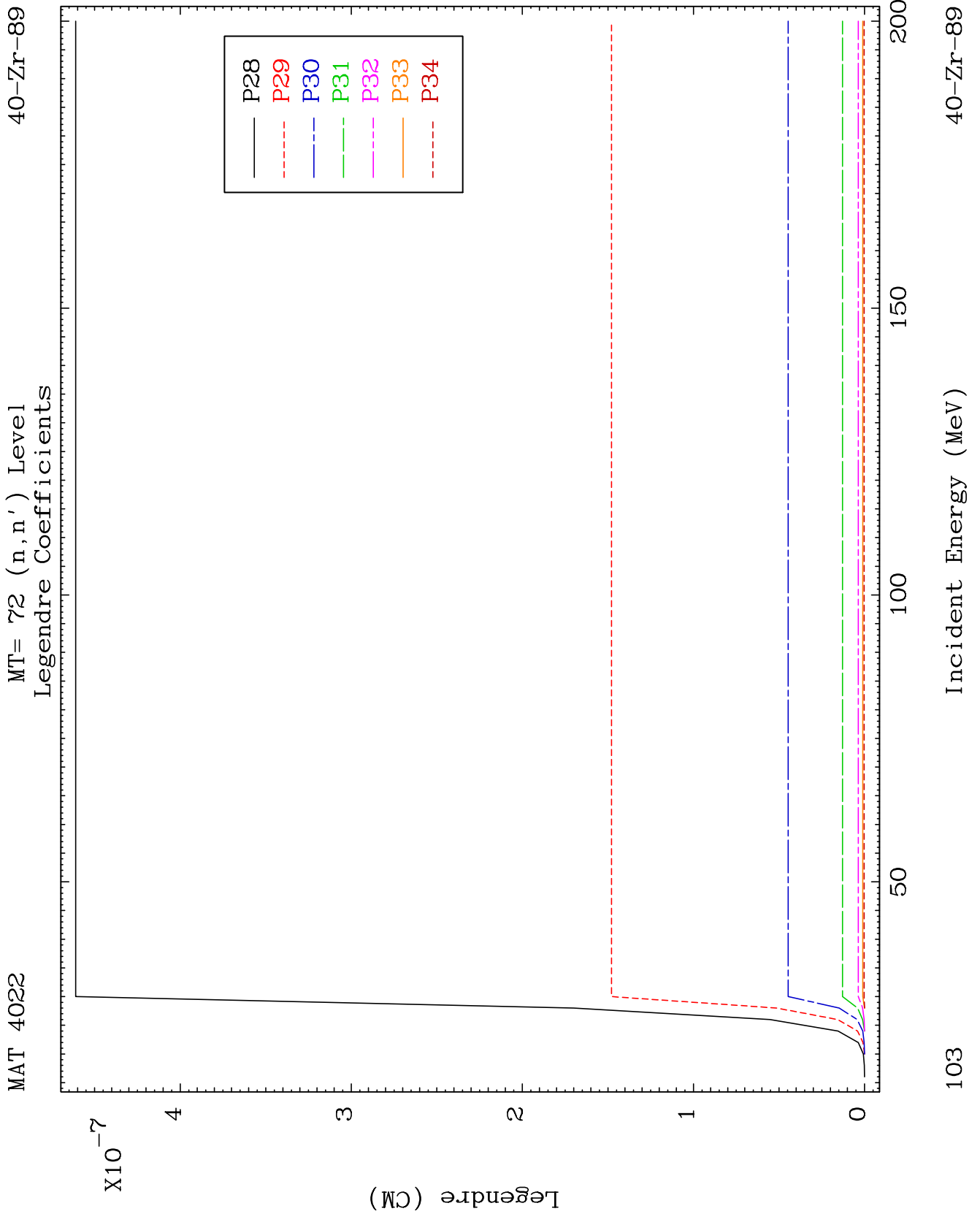
96

Incident Energy (MeV)

40-Zr-89



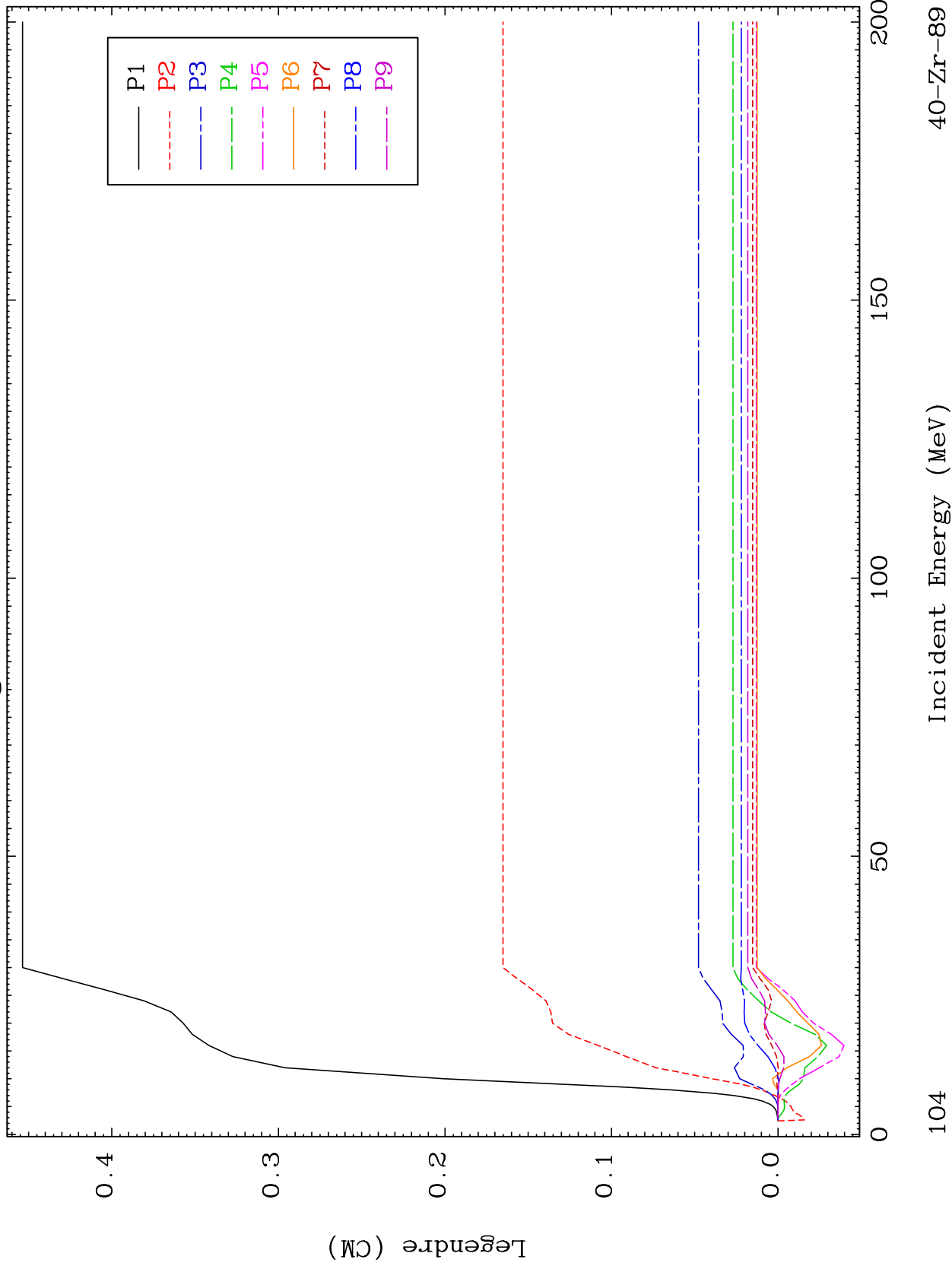




MAT 4022

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

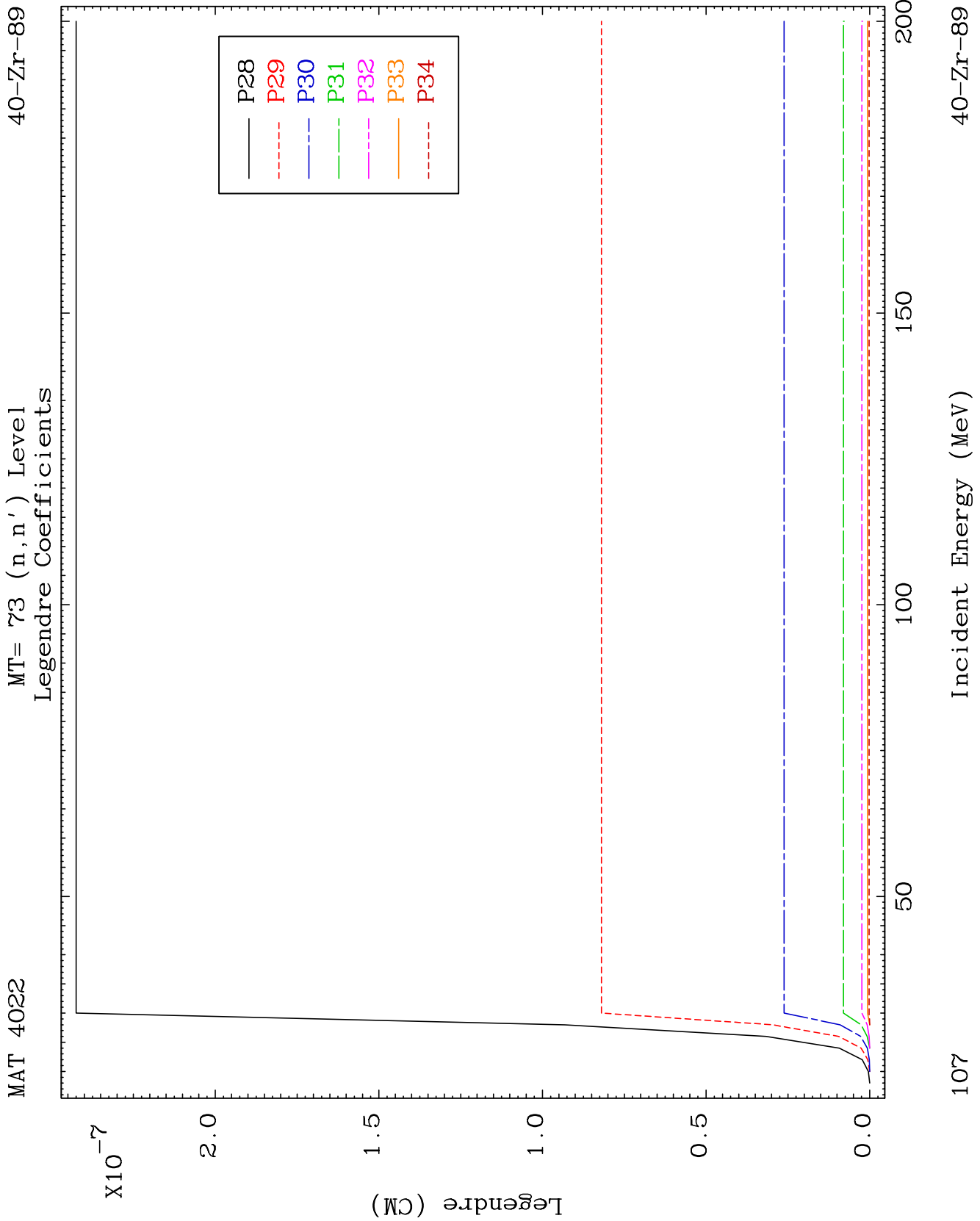
40-Zr-89

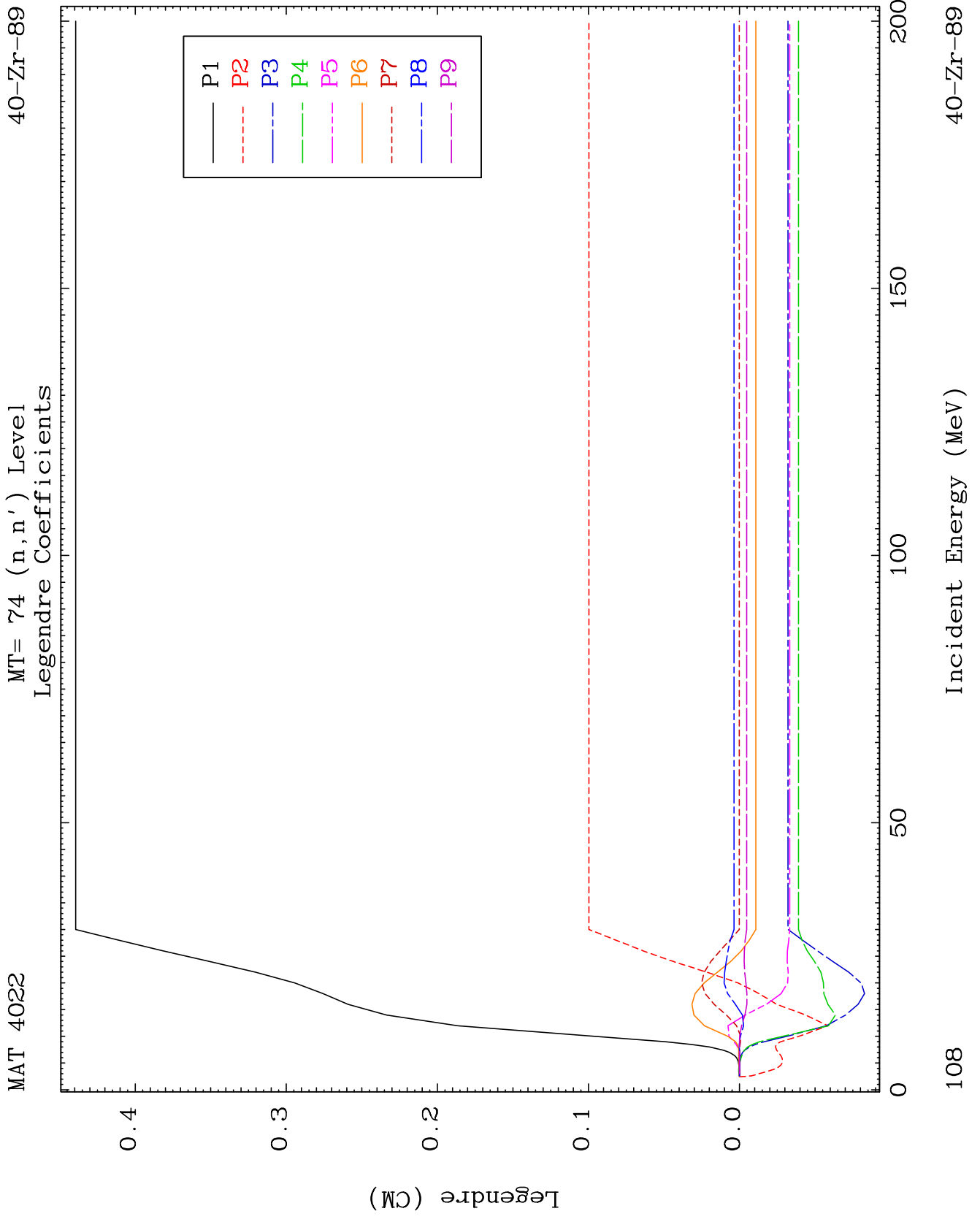


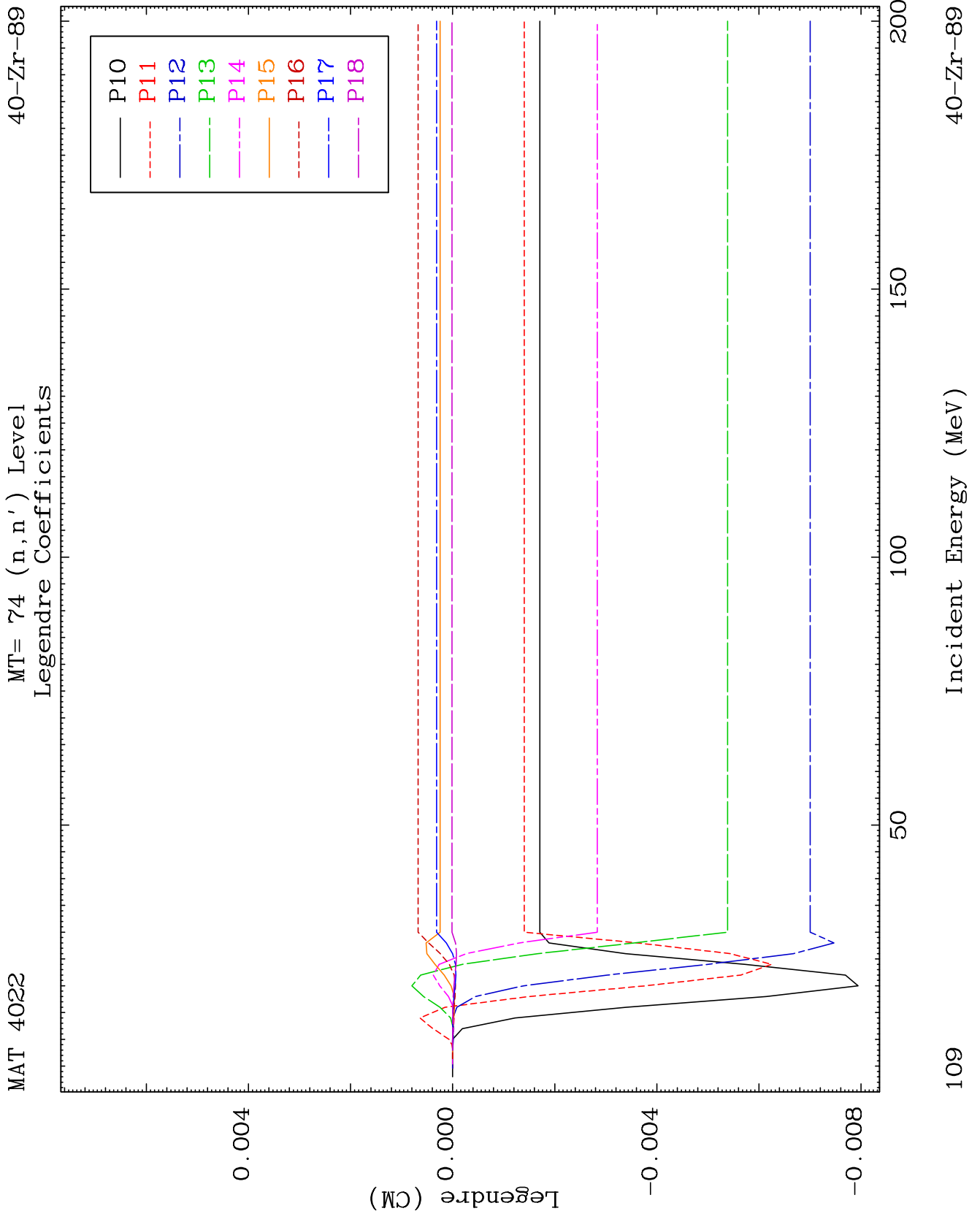
104

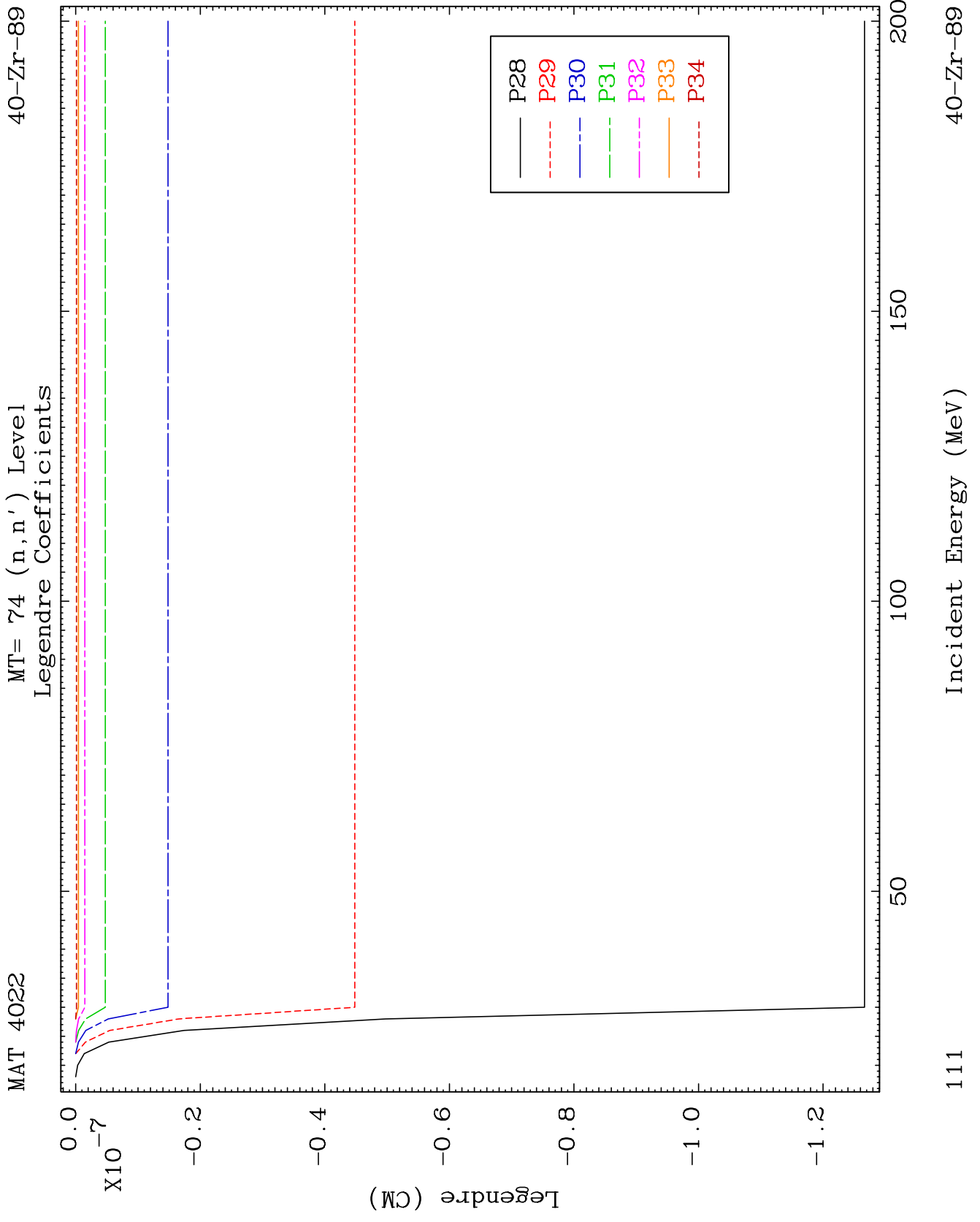
Incident Energy (MeV)

40-Zr-89





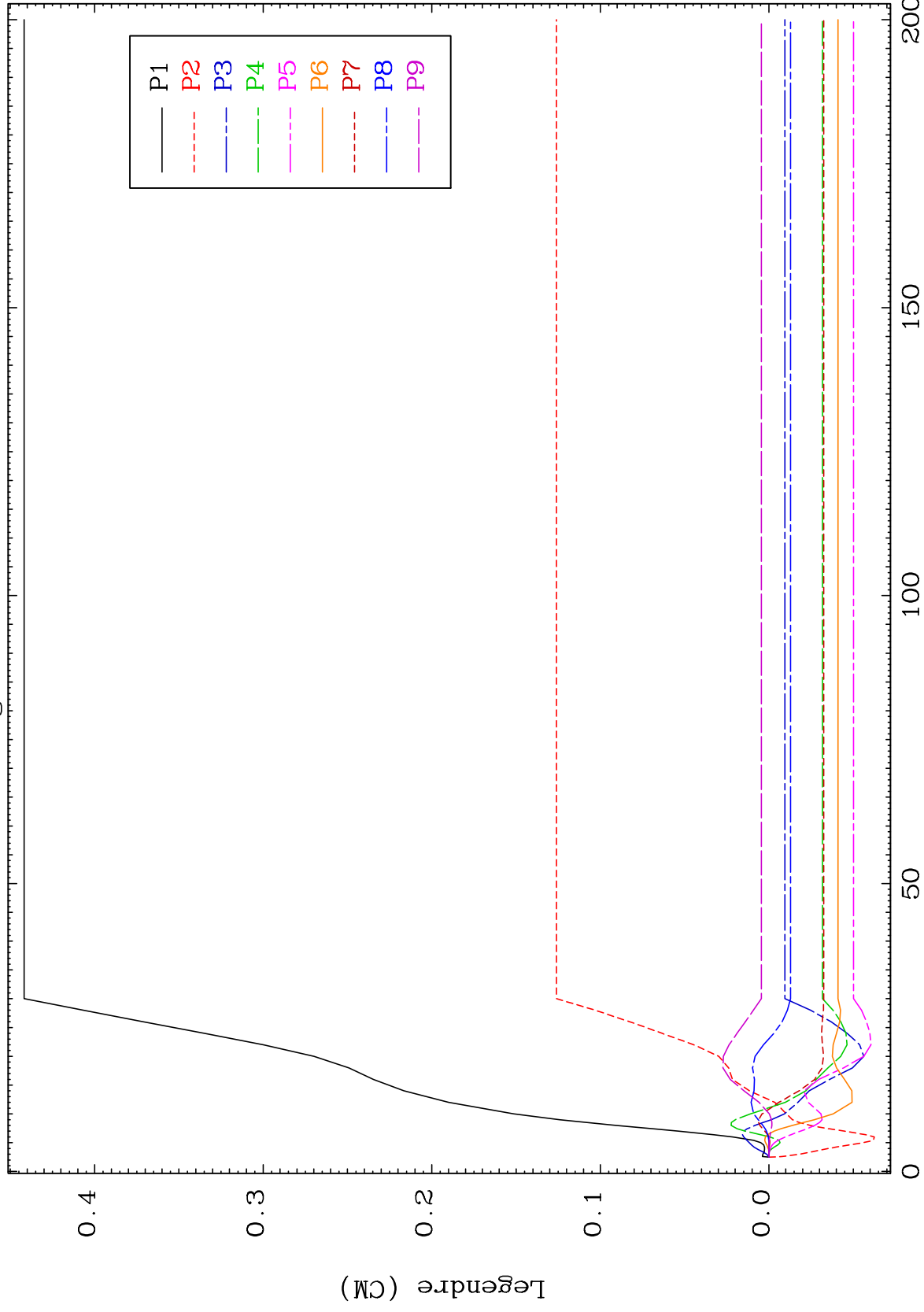




MAT 4022

MT= 75 (n,n') Level
Legendre Coefficients

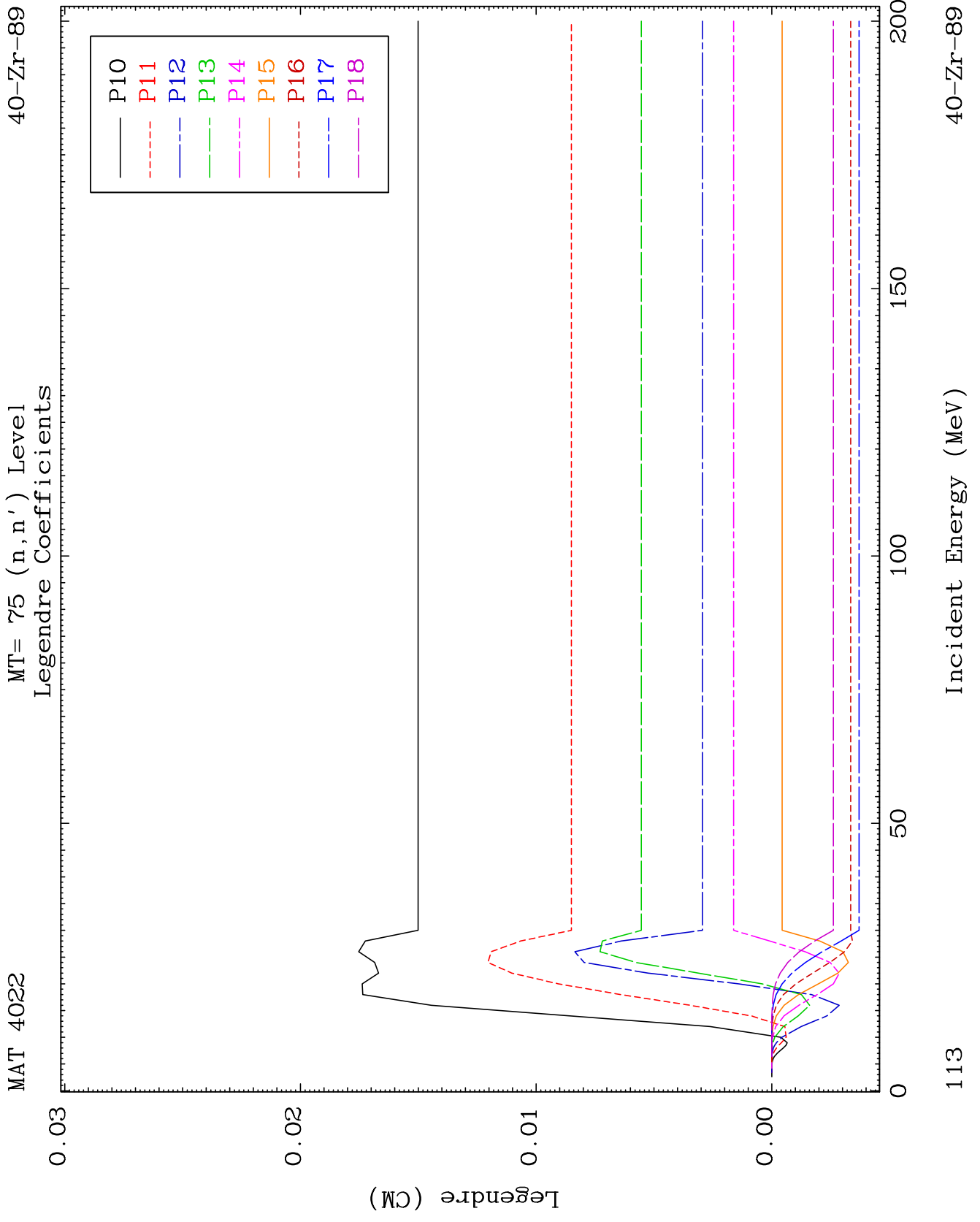
40-Zr-89

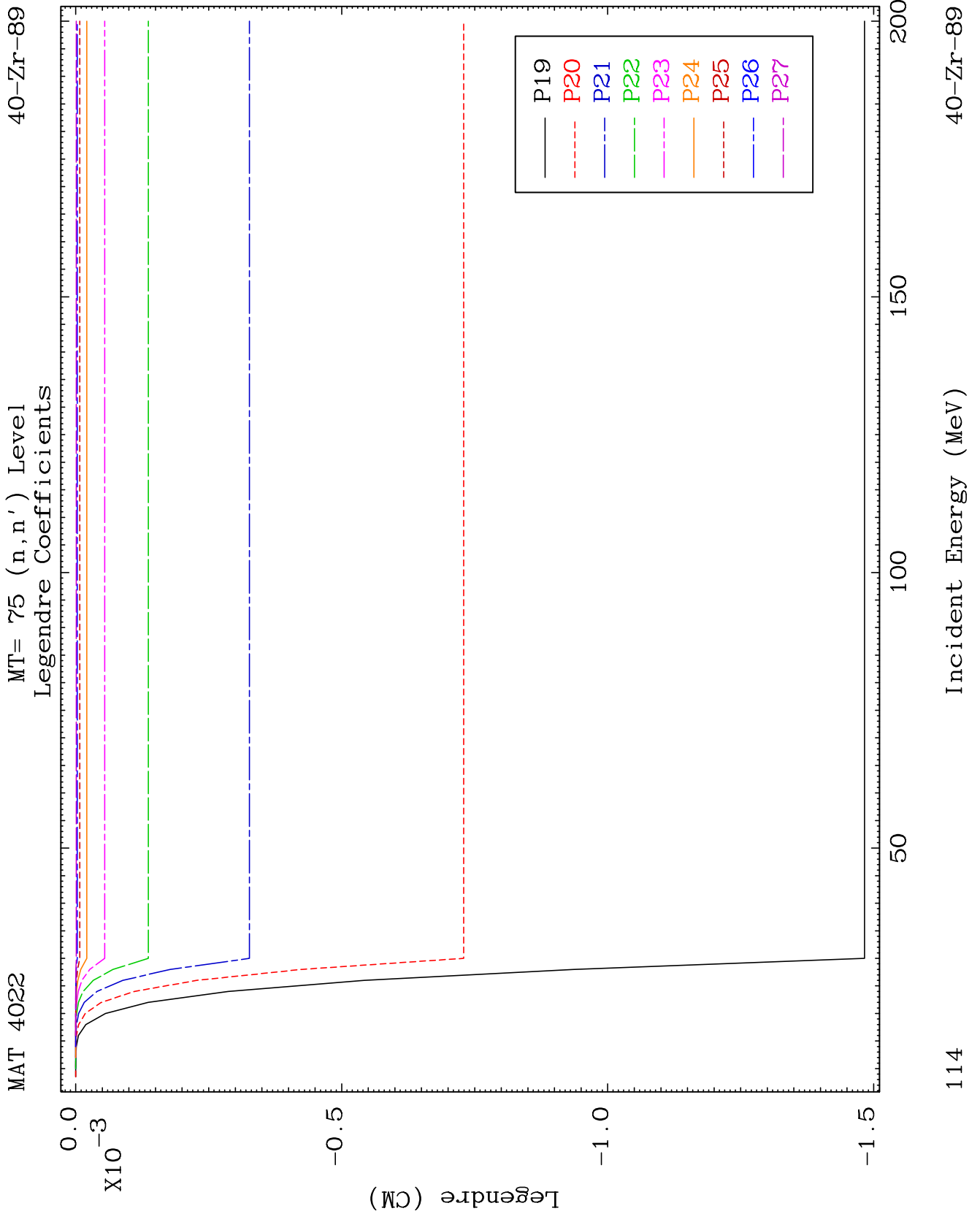


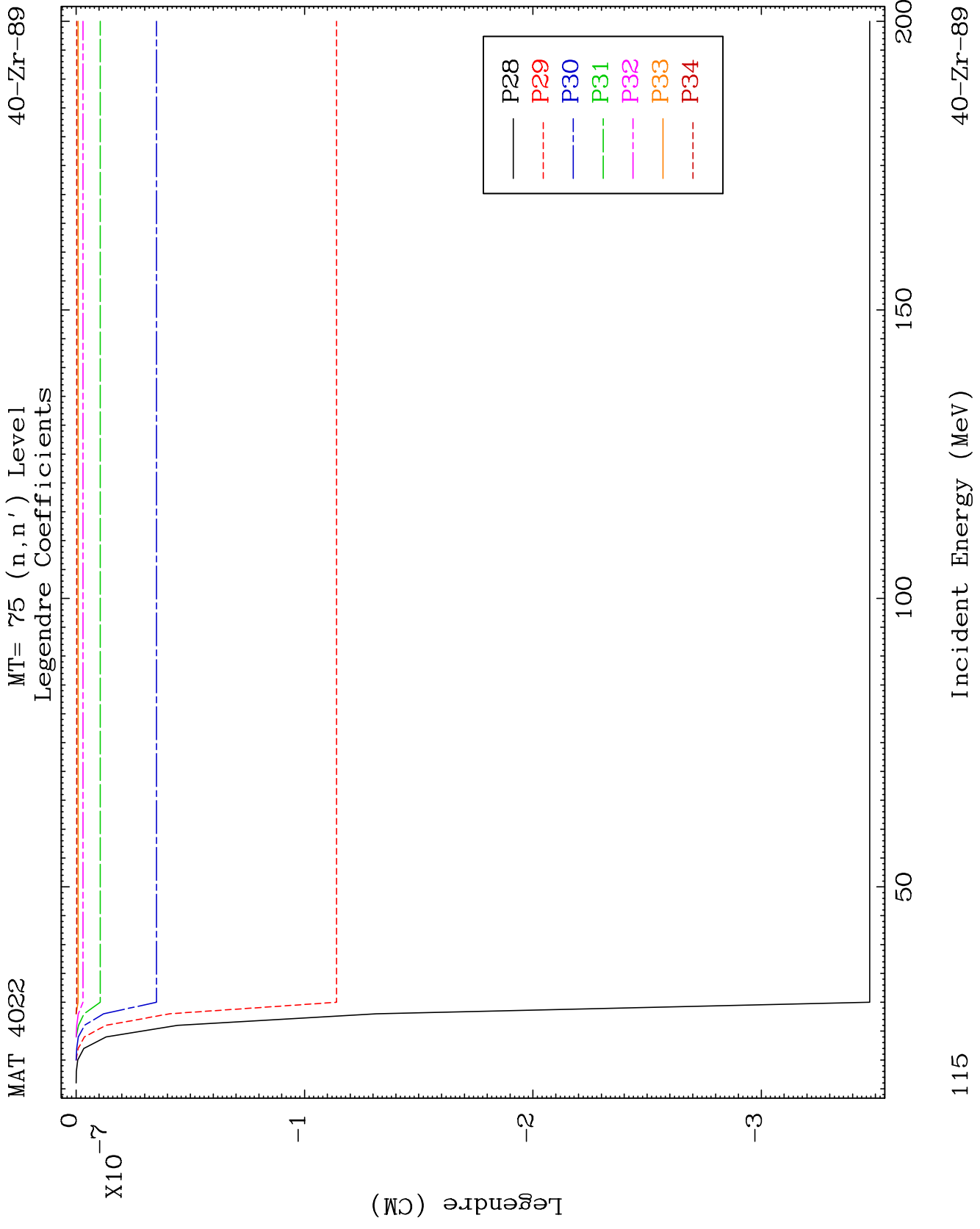
112

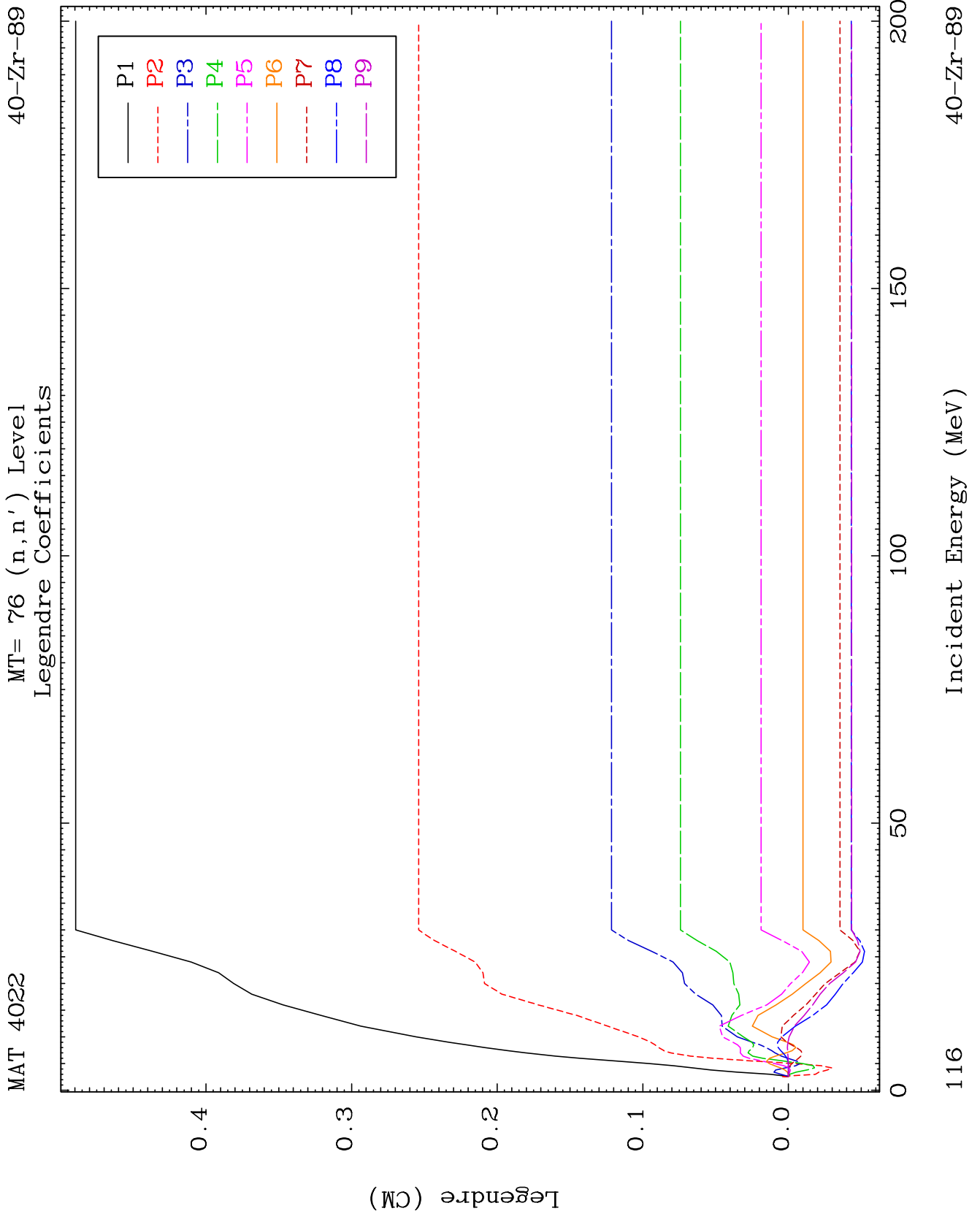
Incident Energy (MeV)

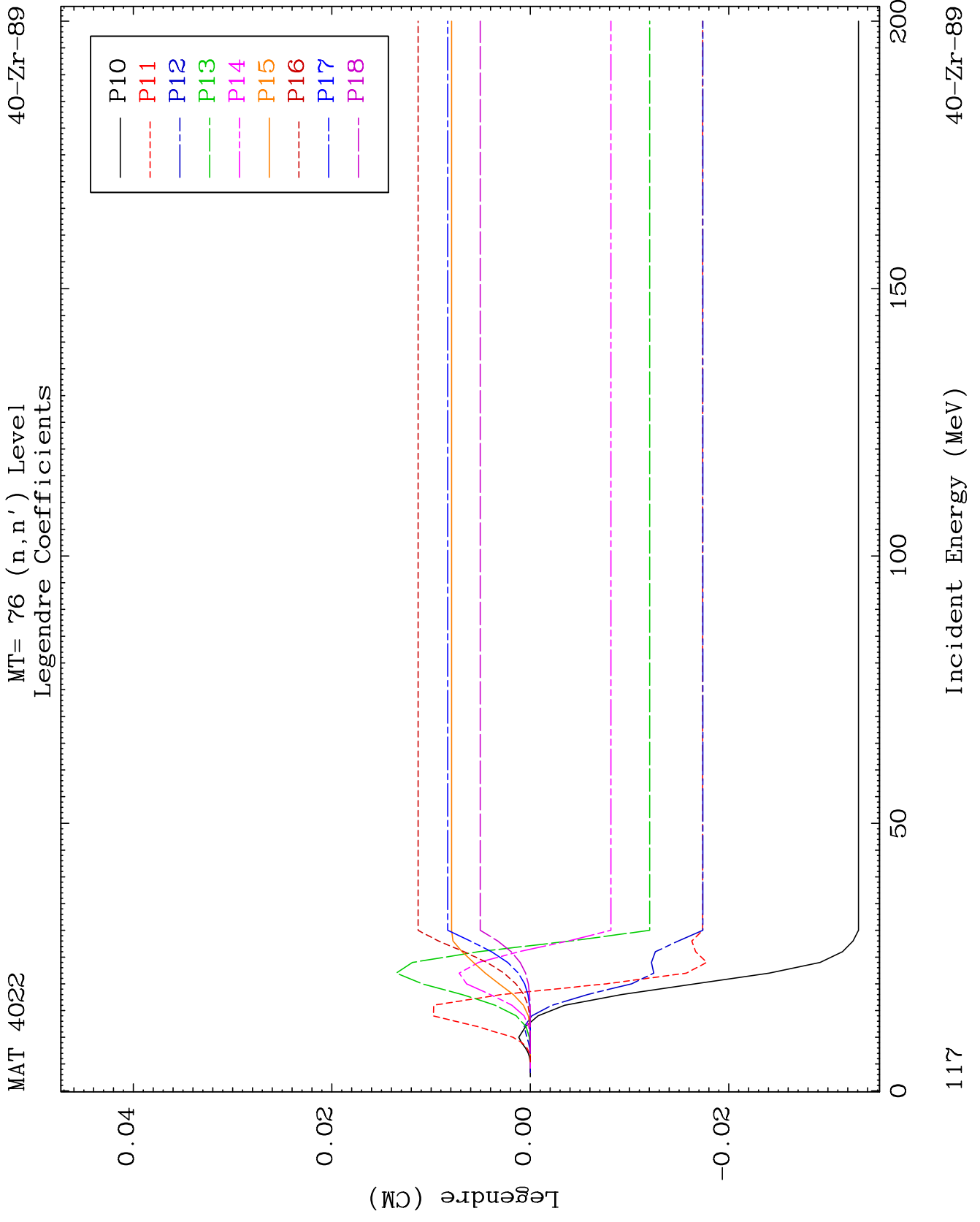
40-Zr-89







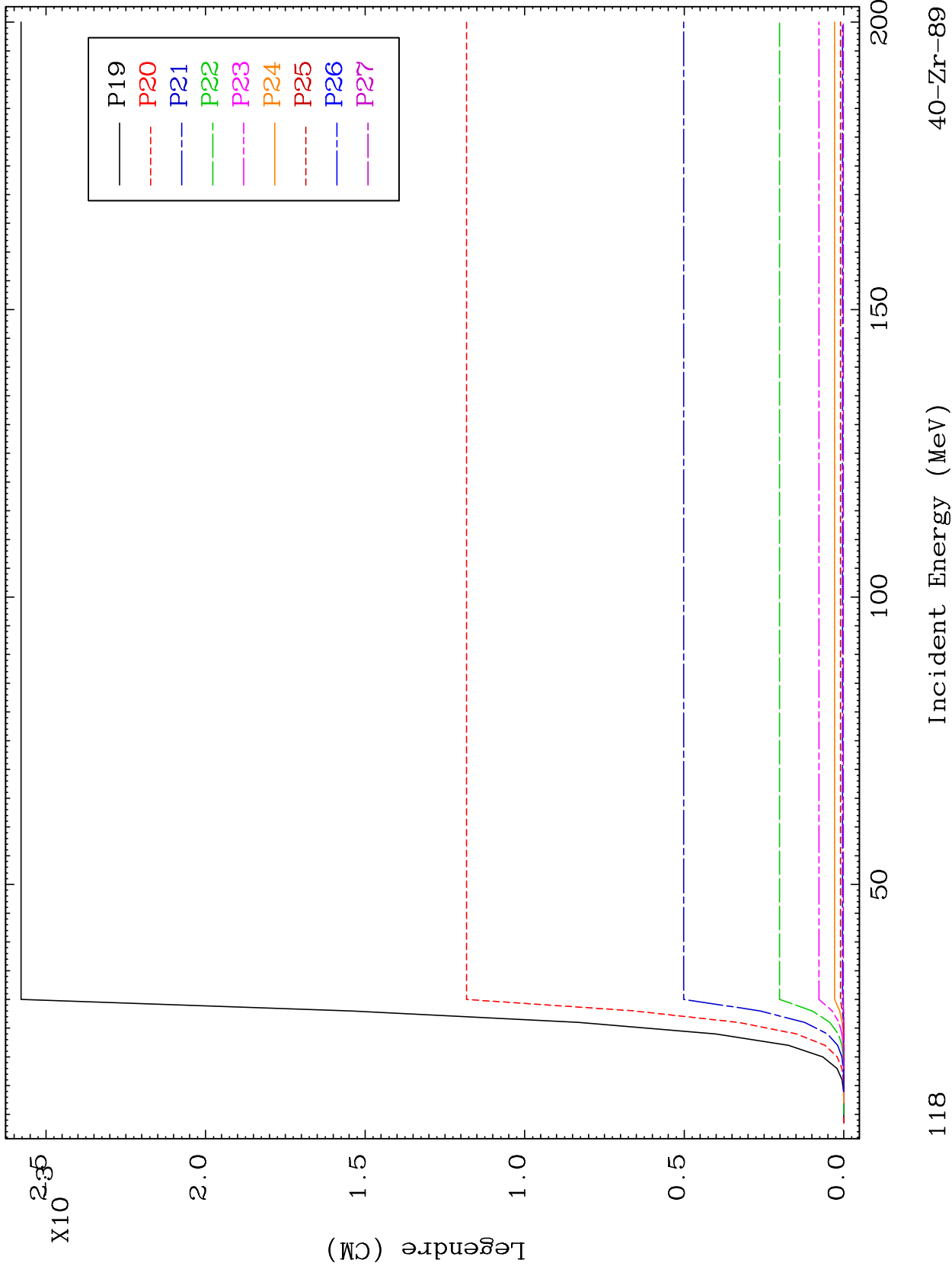




MAT 4022

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

40-Zr-89



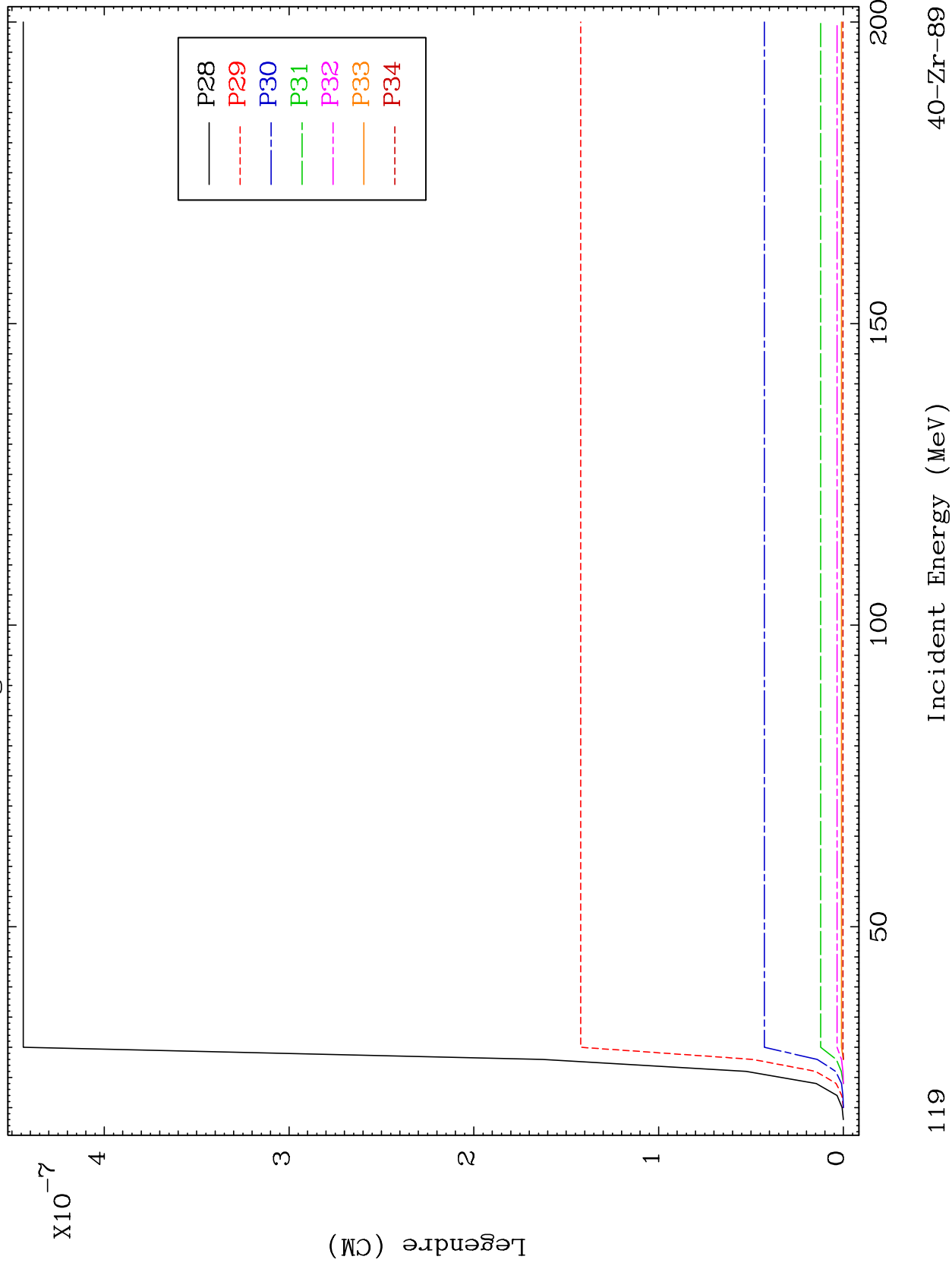
118

40-Zr-89

MAT 4022

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

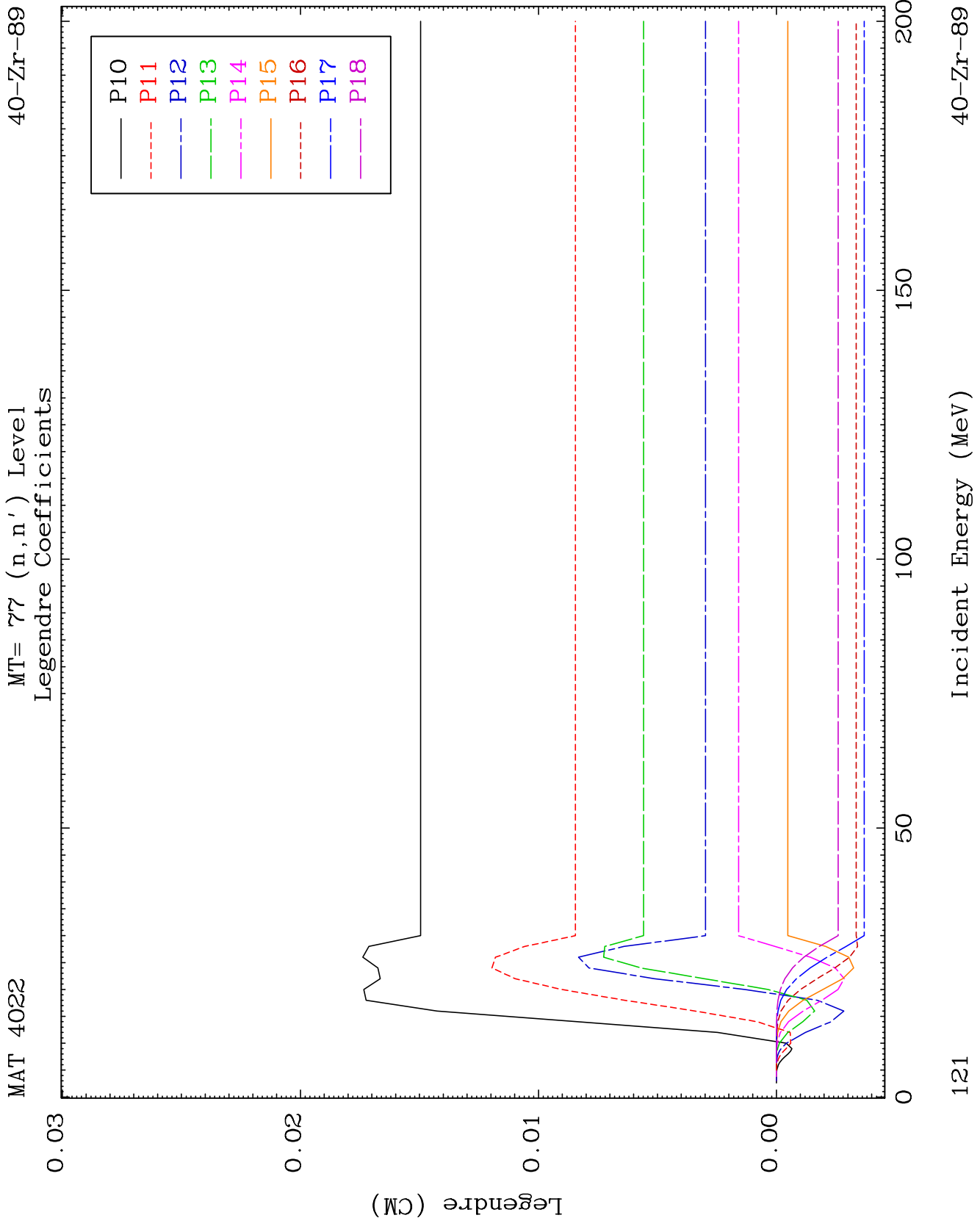
40-Zr-89

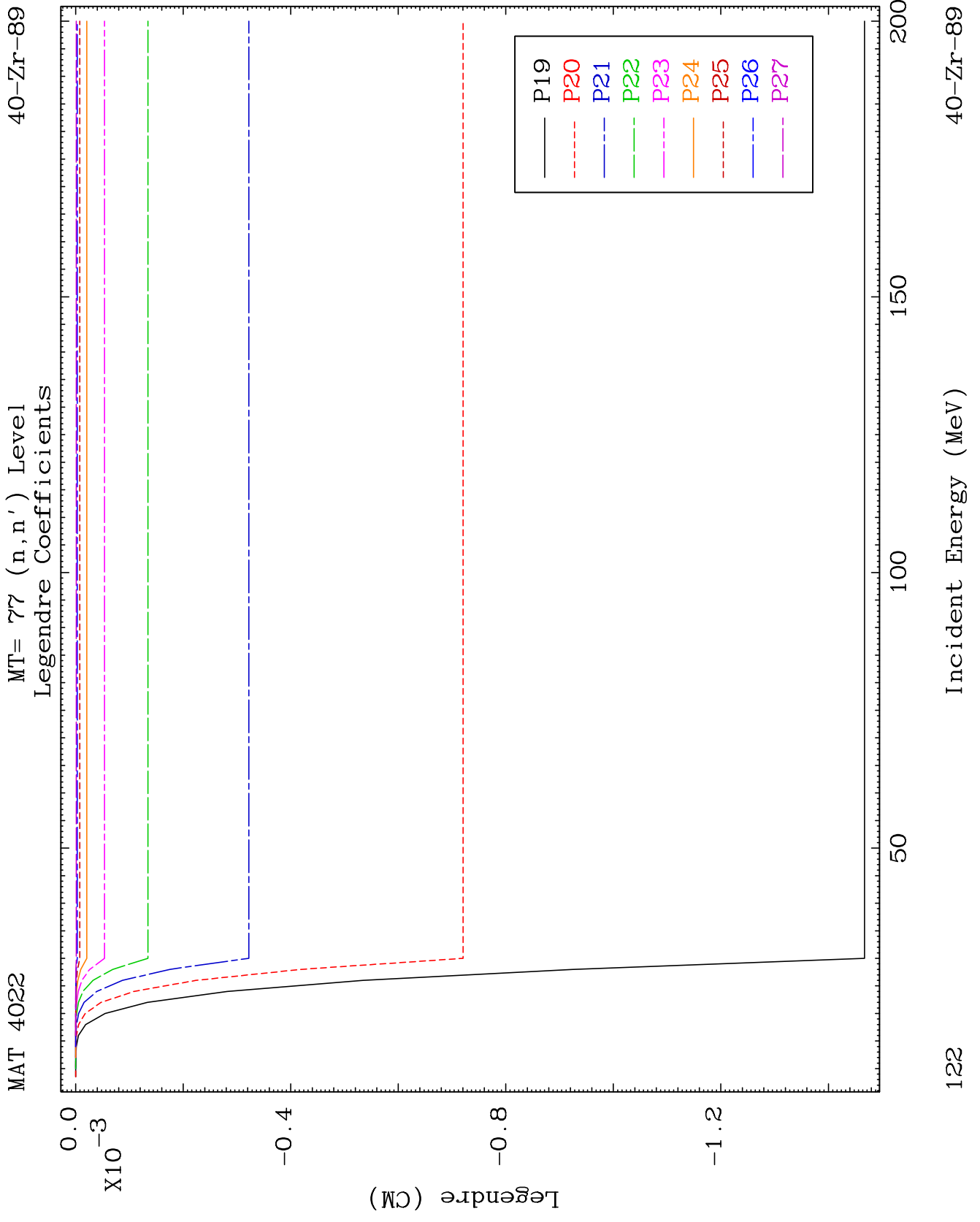


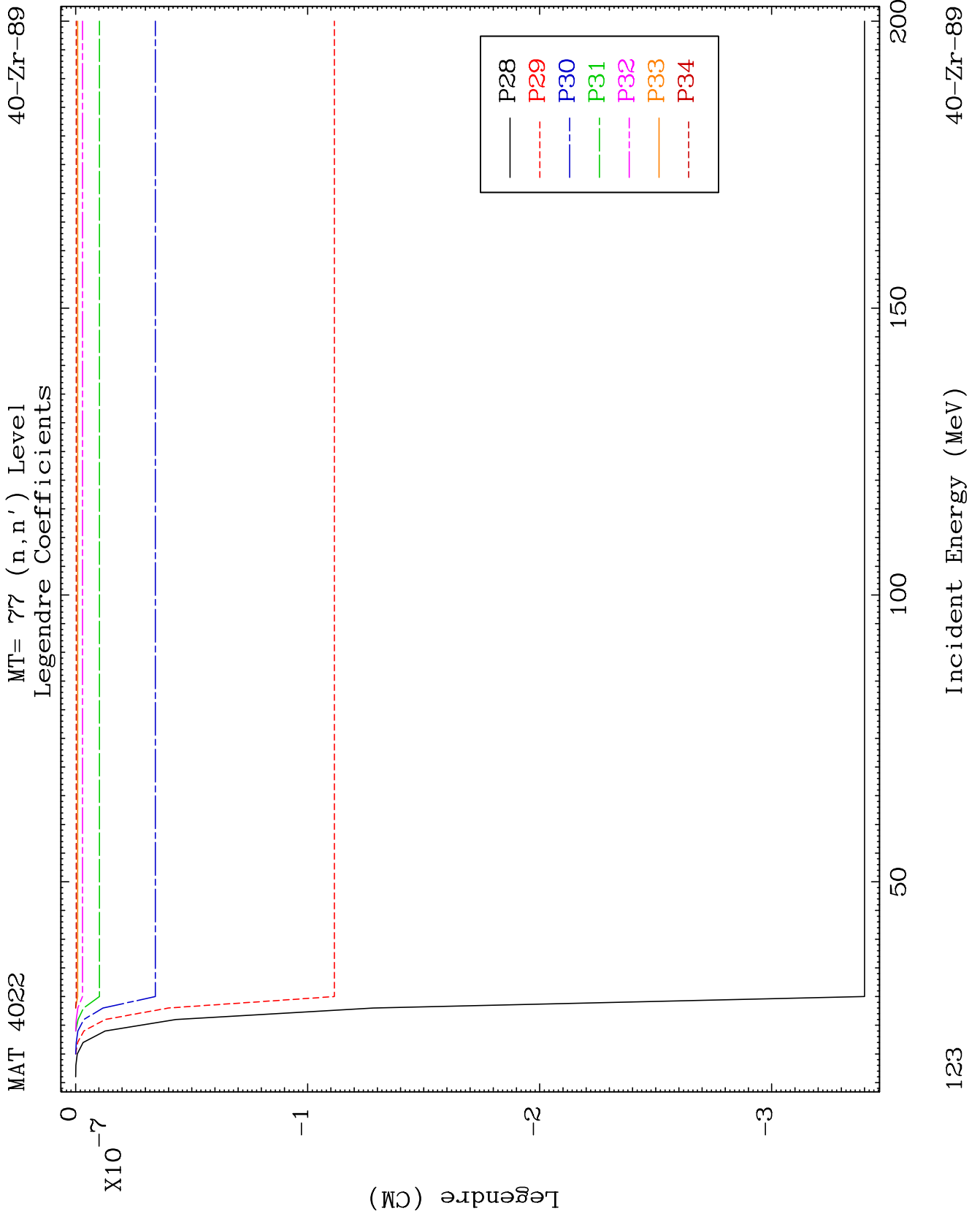
119

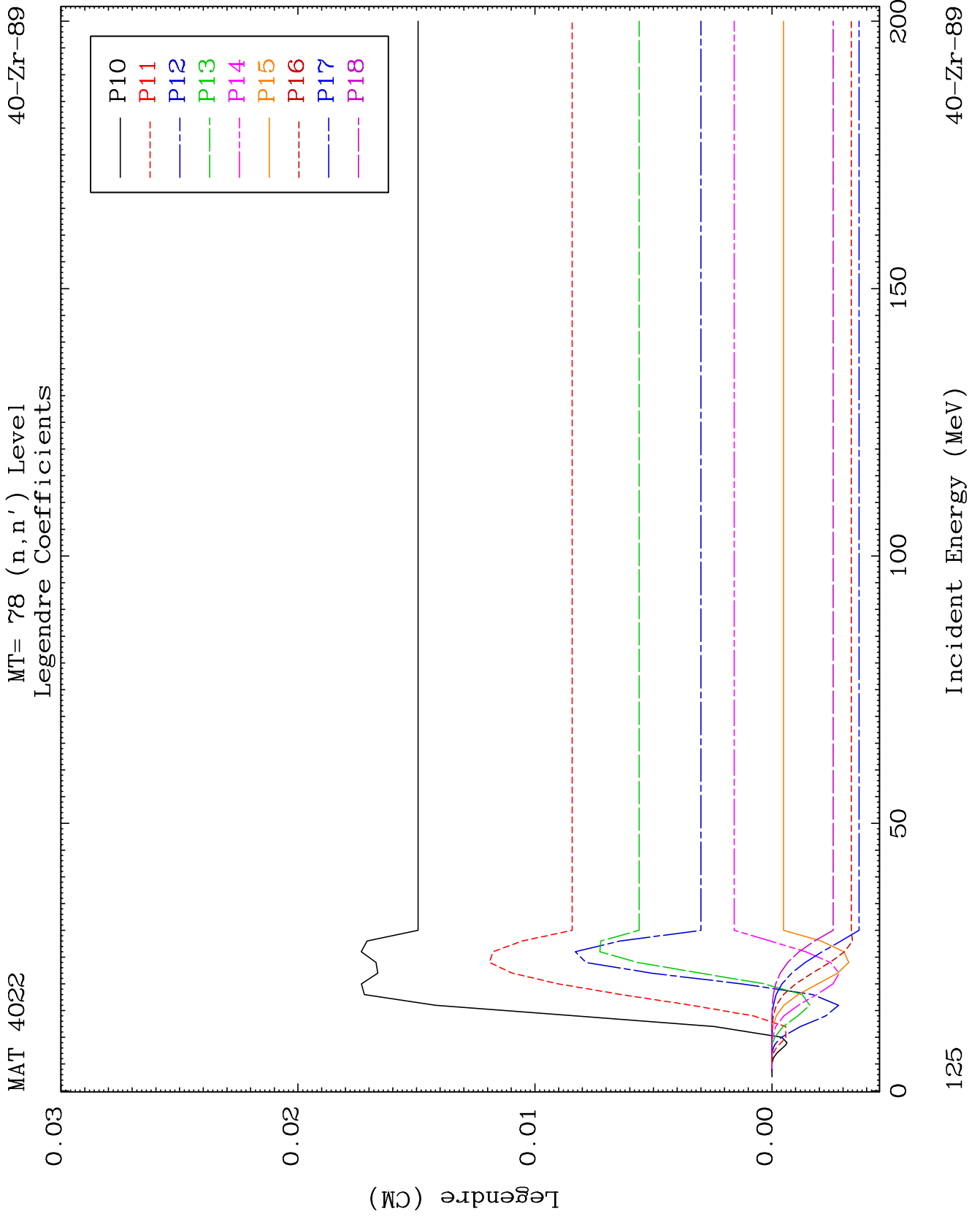
Incident Energy (MeV)

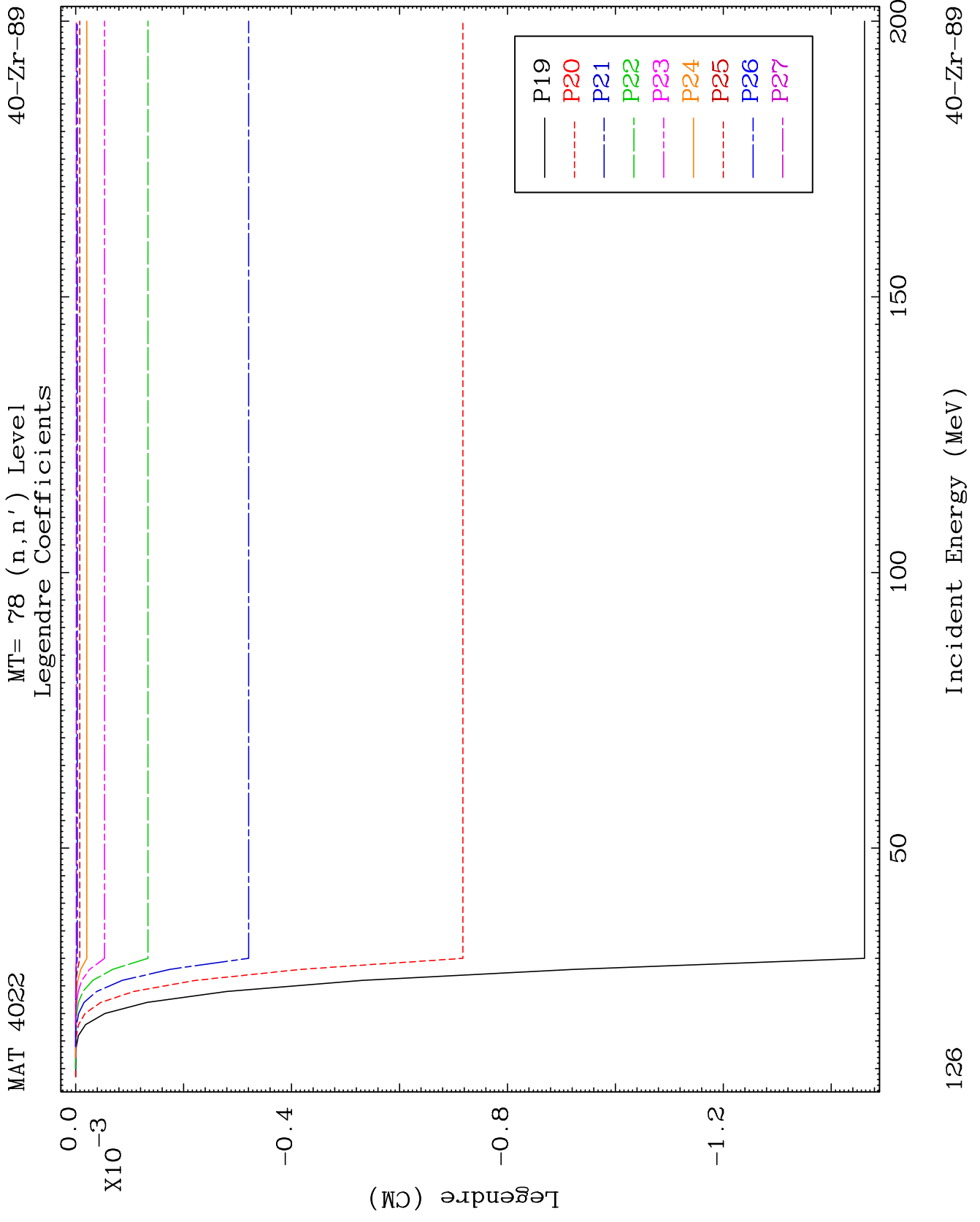
40-Zr-89

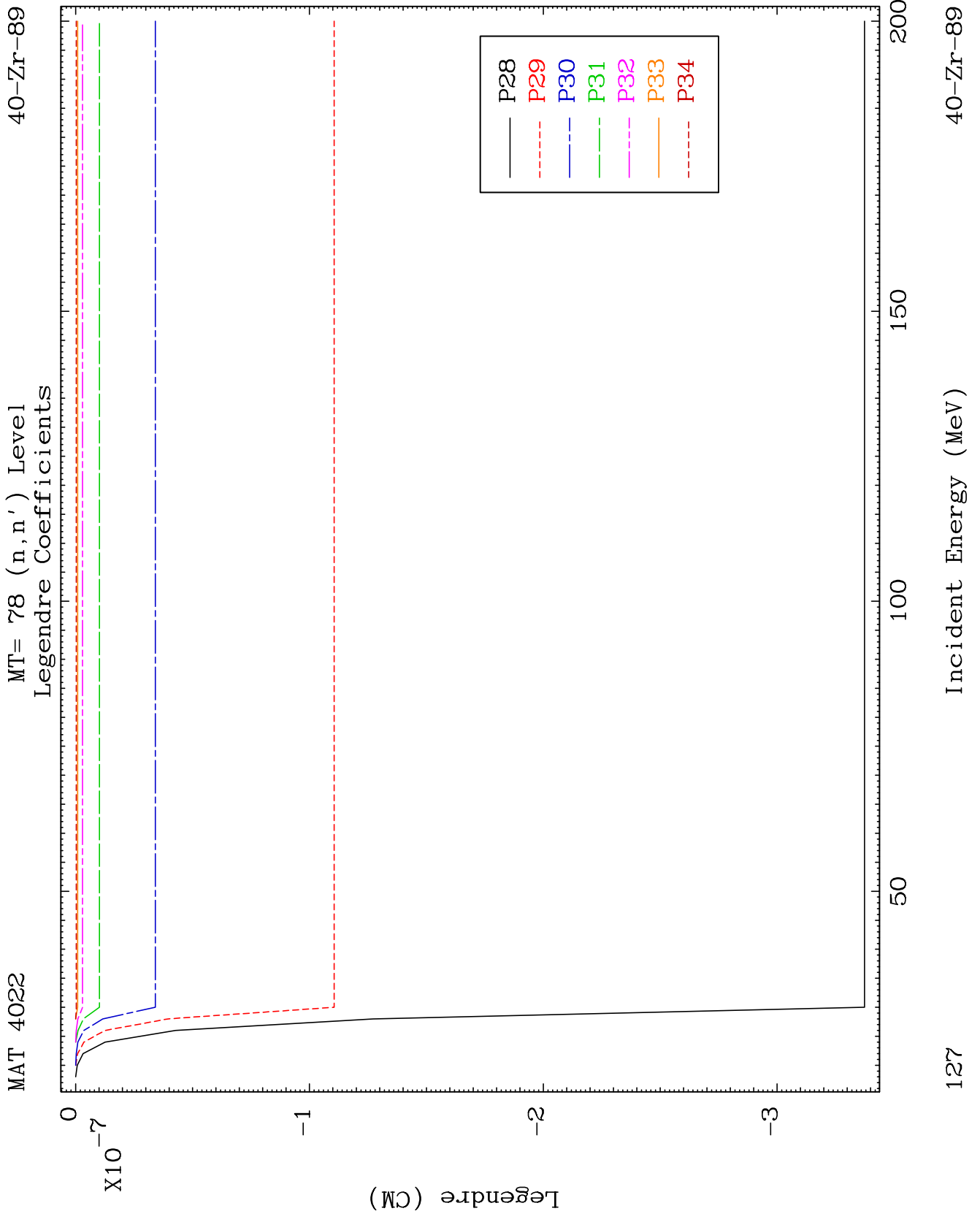


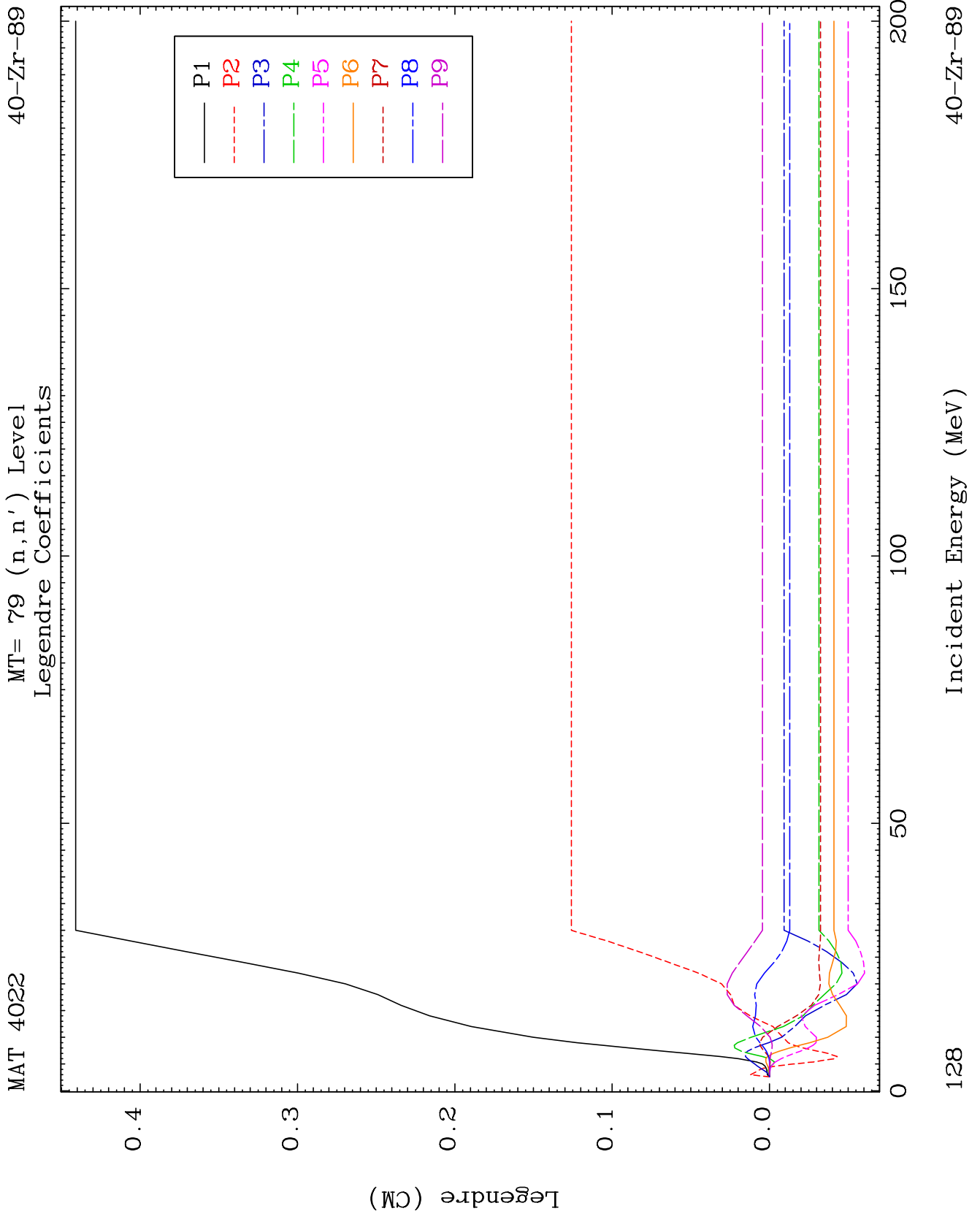


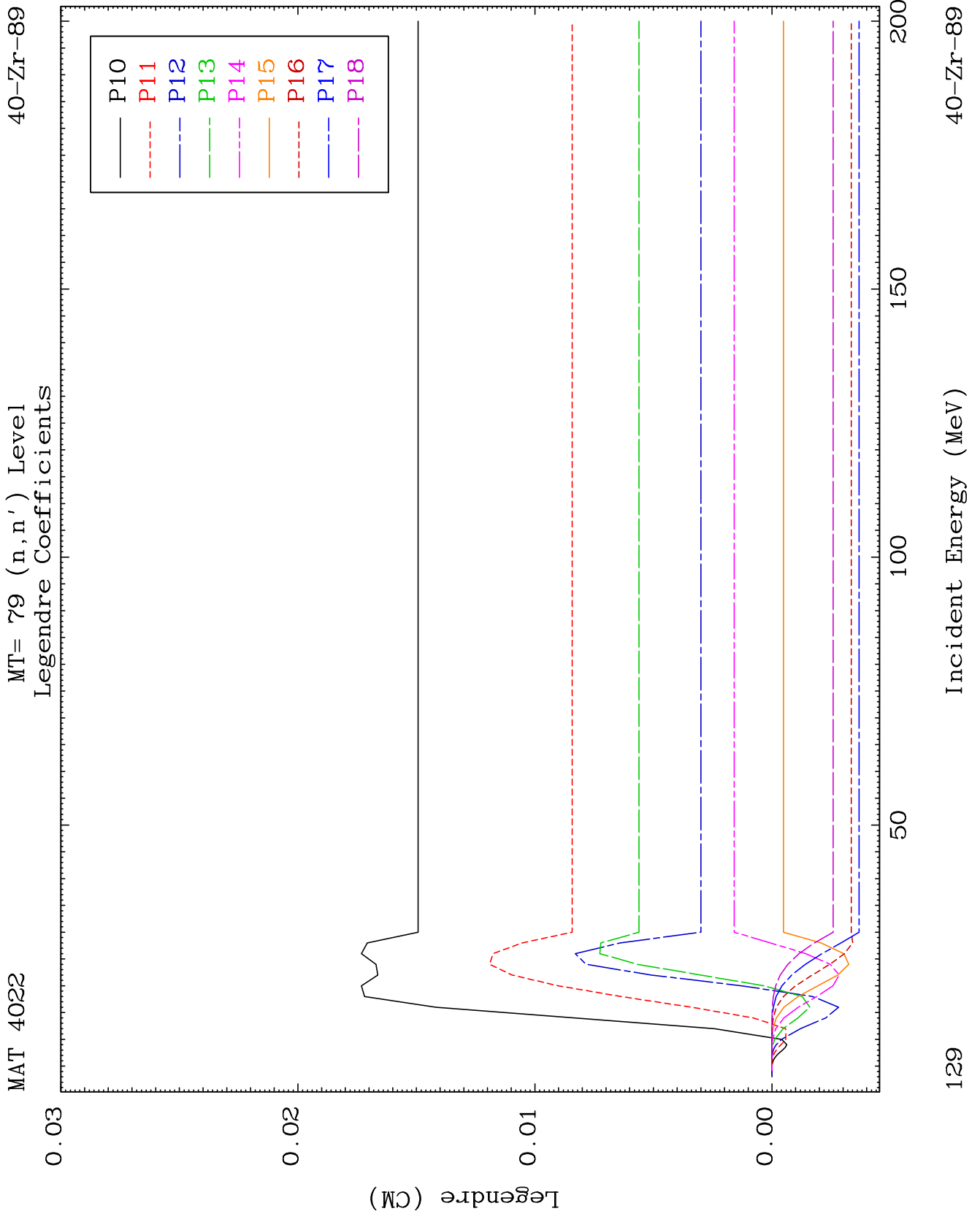


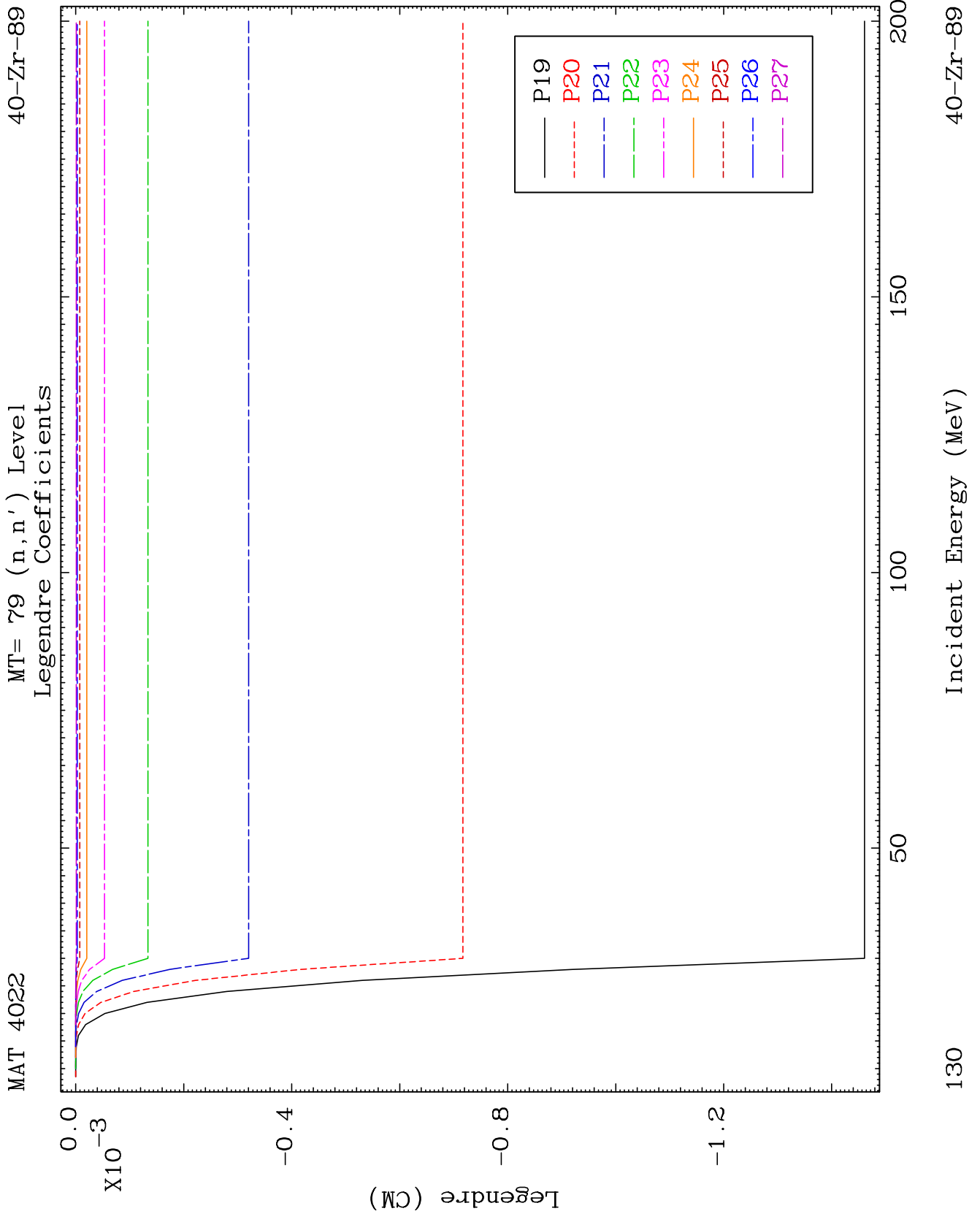


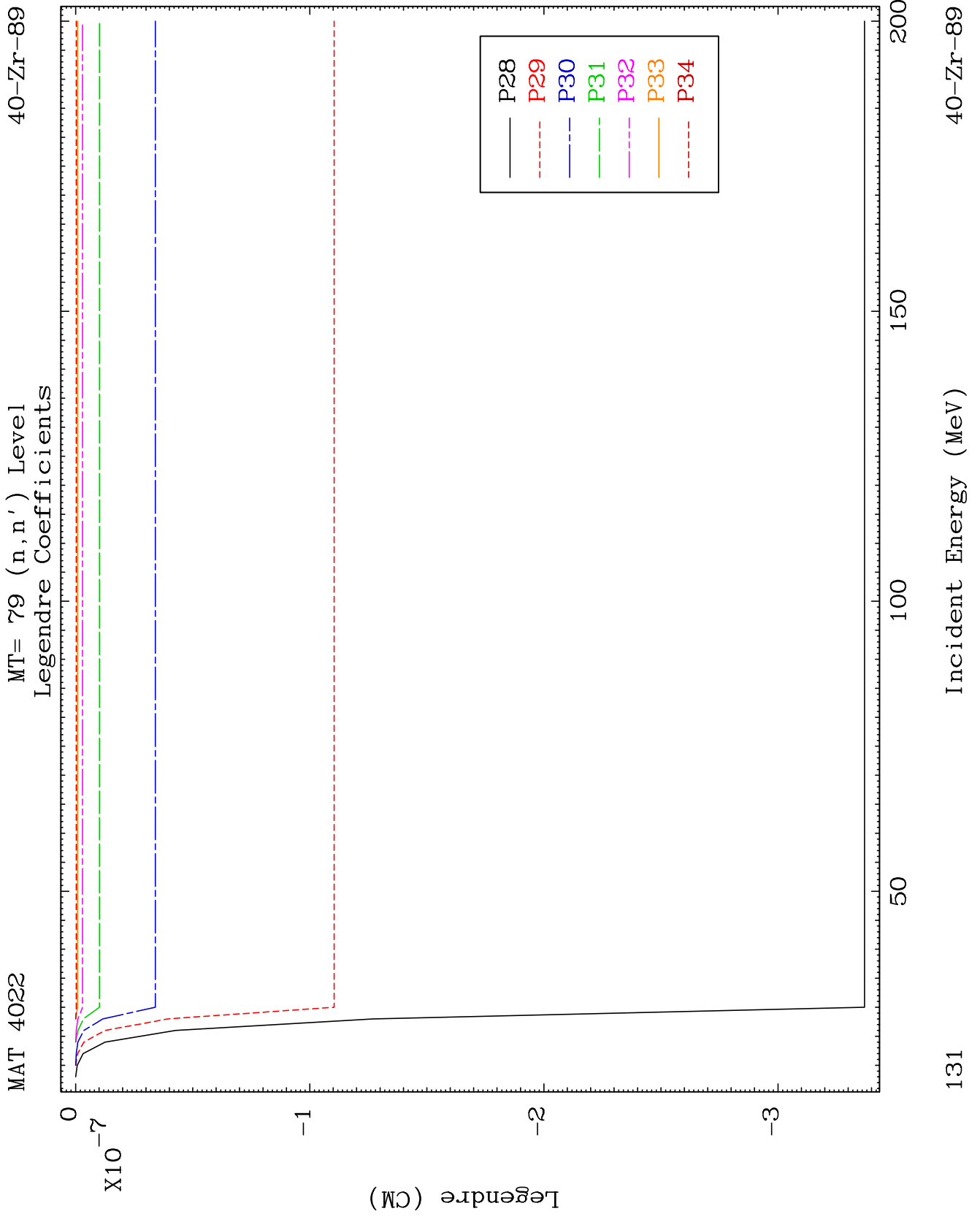


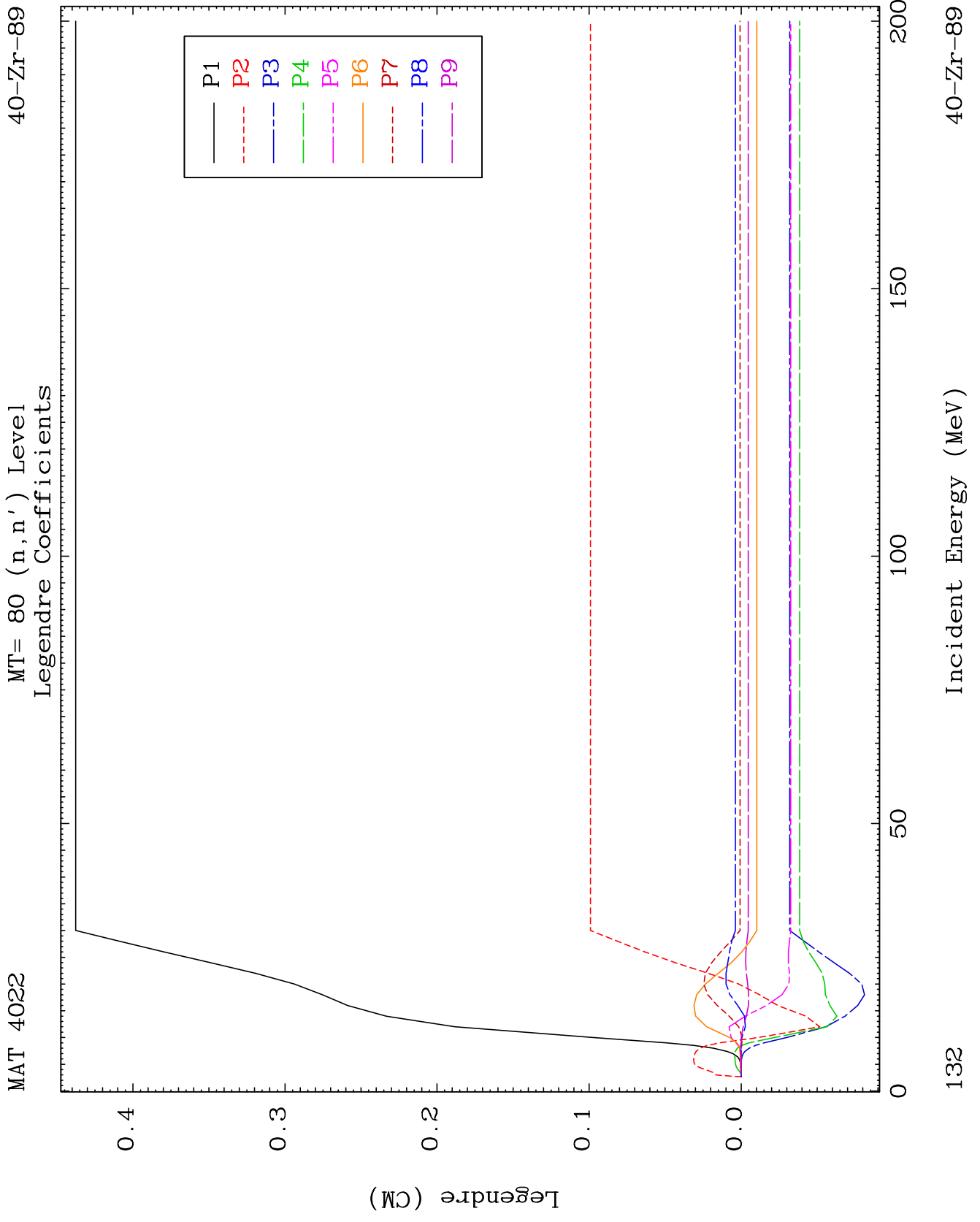


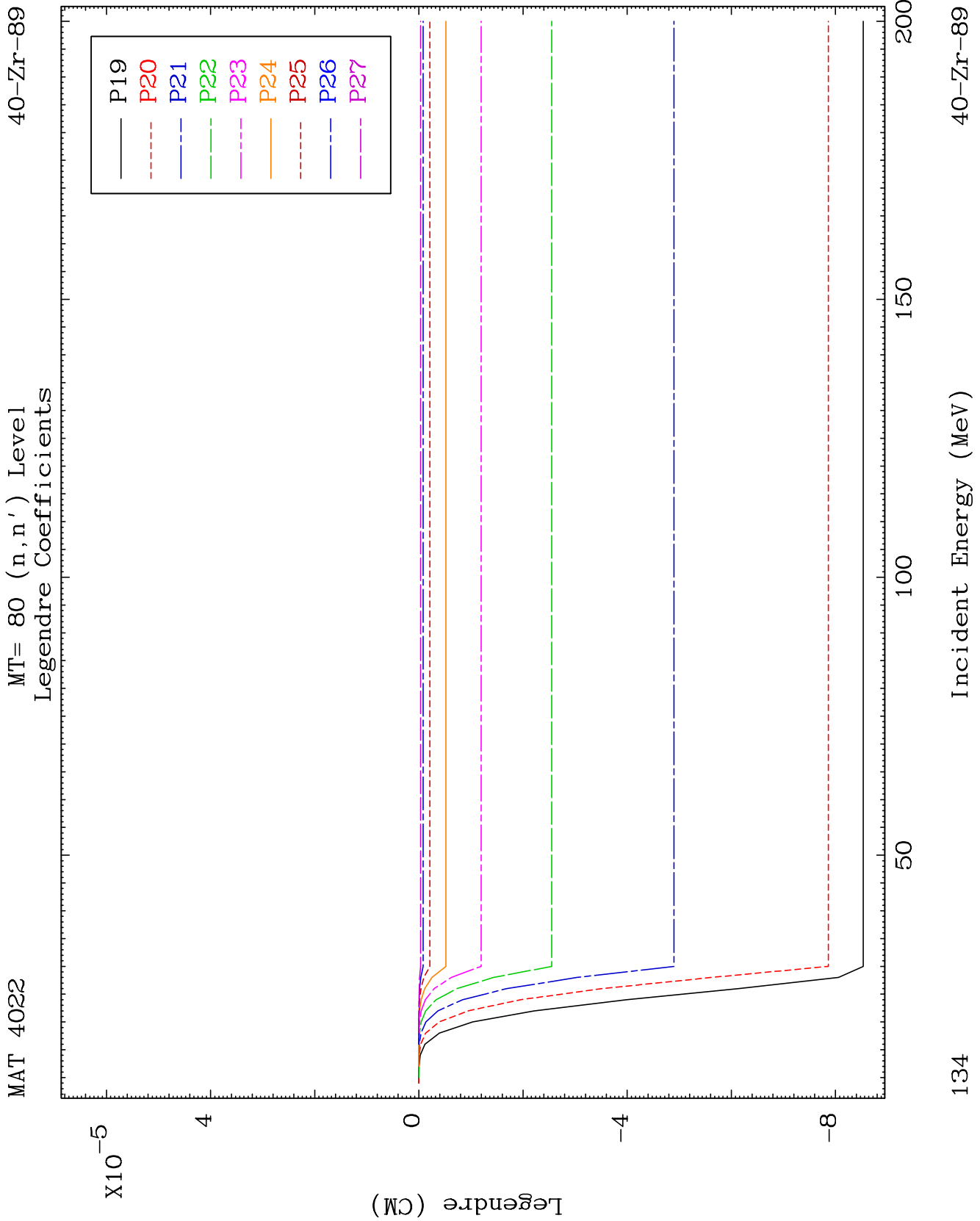


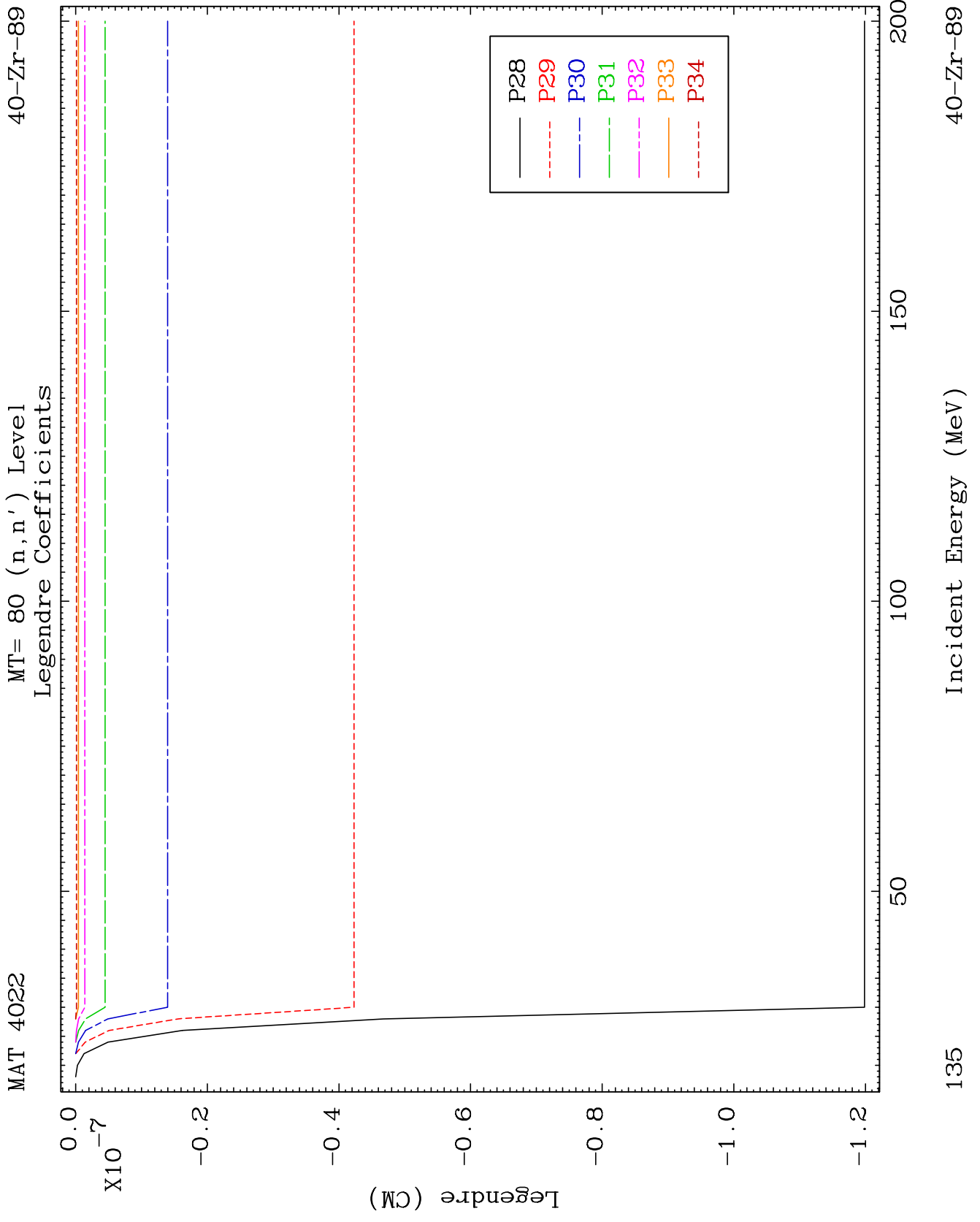








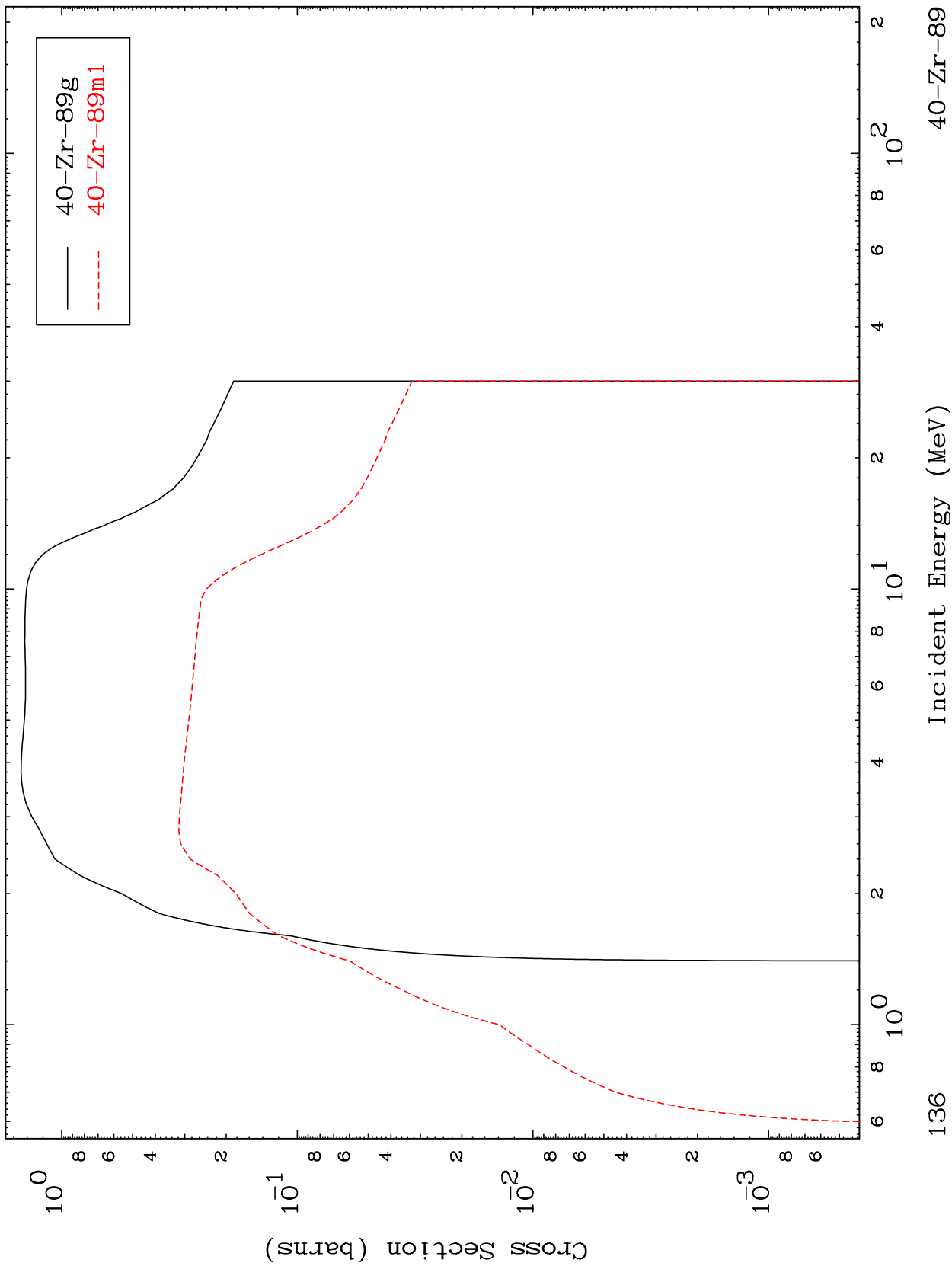




MAT 4022

40-Zr-89

Inelastic
Radionuclide Production Cross Section



136

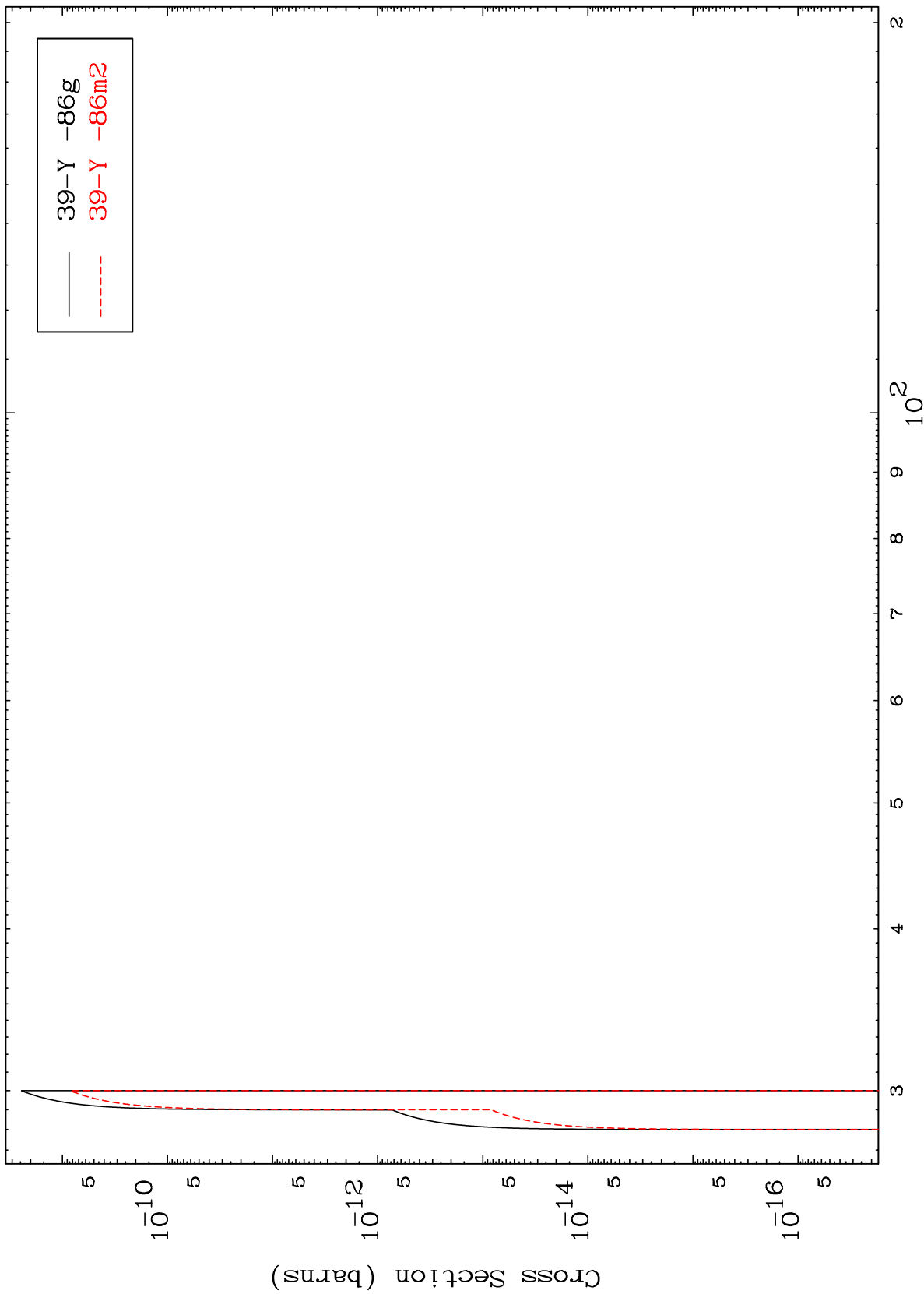
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(n,2n) d
Radionuclide Production Cross Section



137

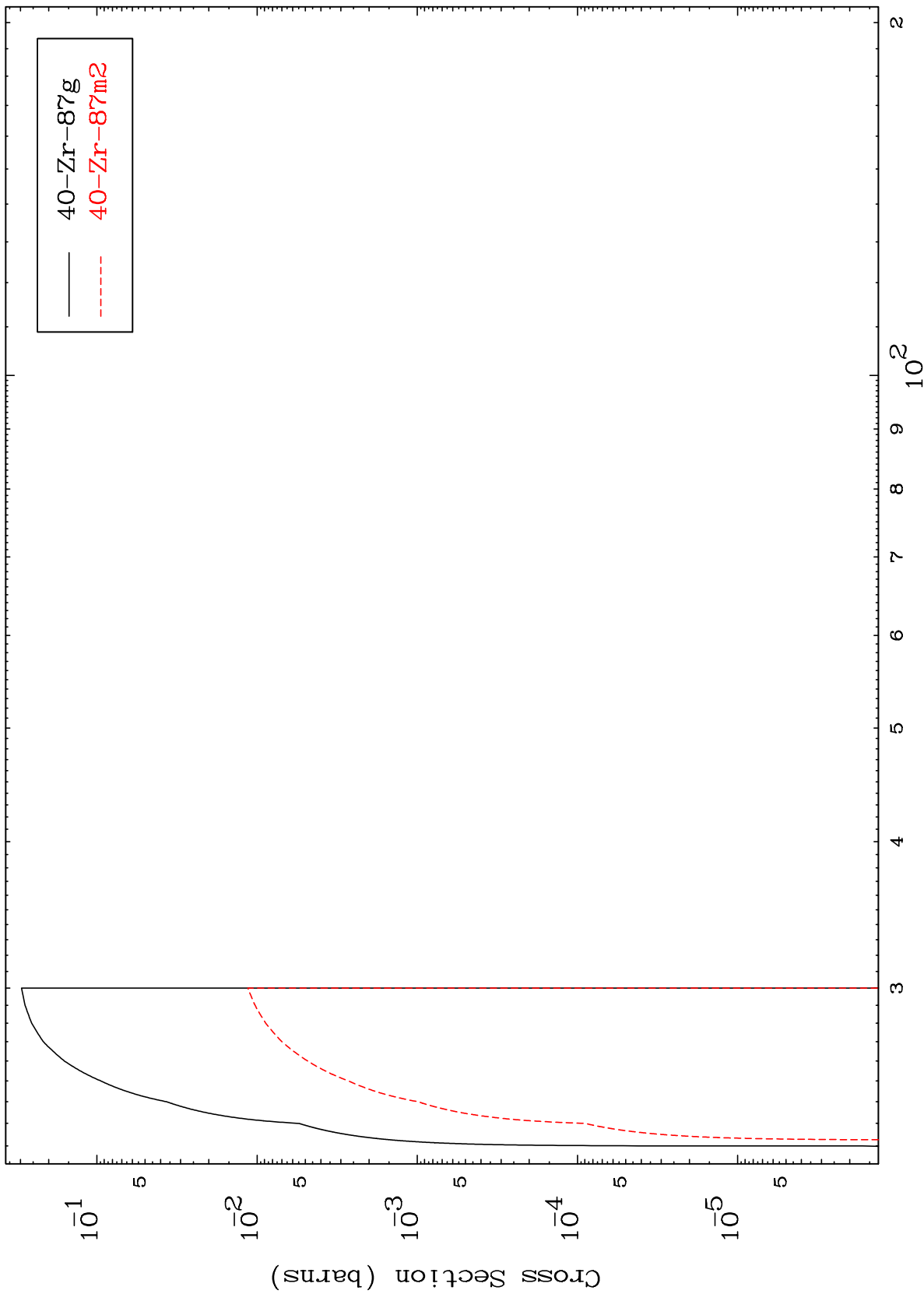
40-Zr-89

Incident Energy (MeV)

MAT 4022

40-Zr-89

(n,3n)
Radionuclide Production Cross Section

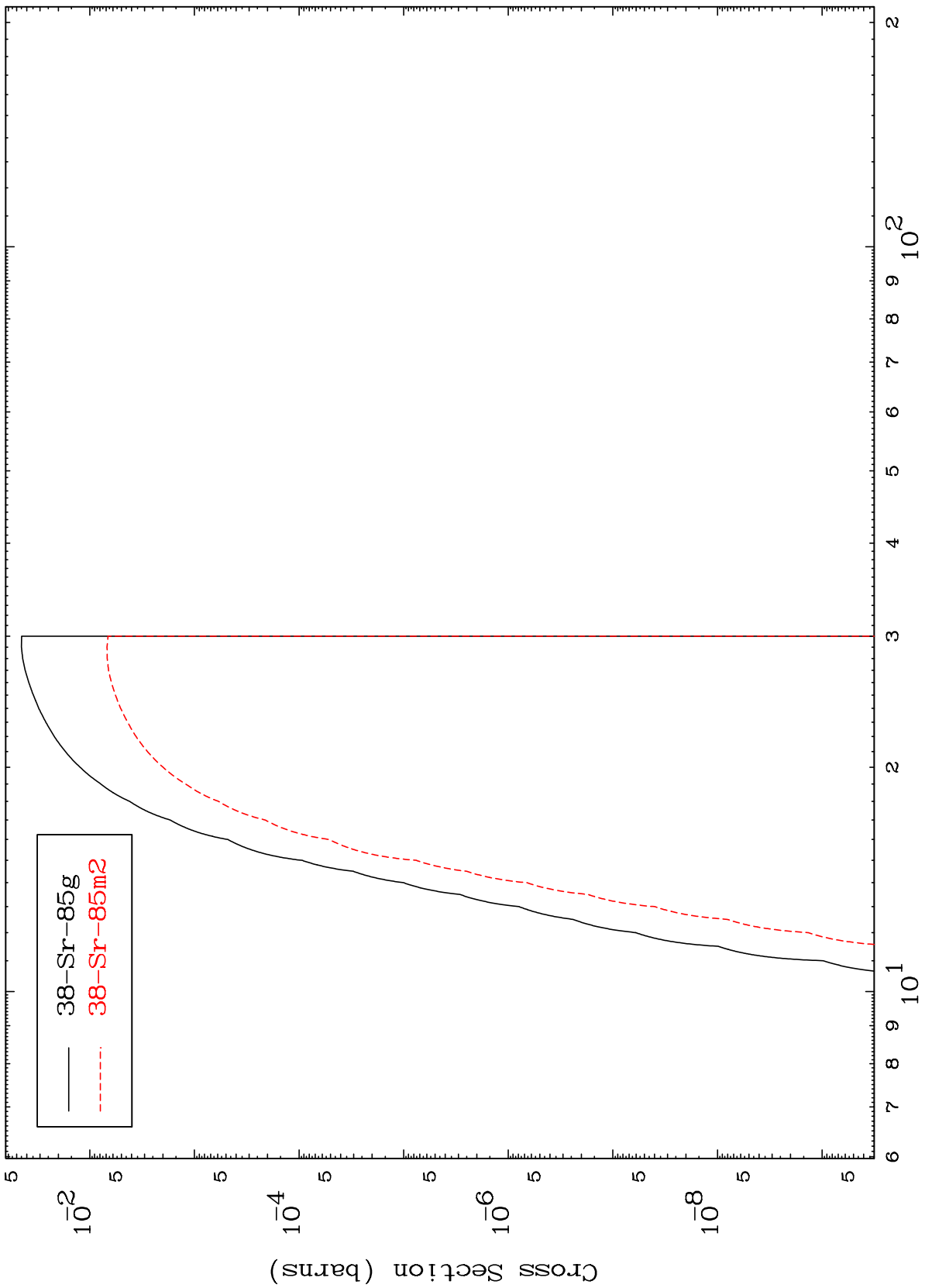


40-Zr-89

Incident Energy (MeV)

138

Radionuclide Production Cross Section



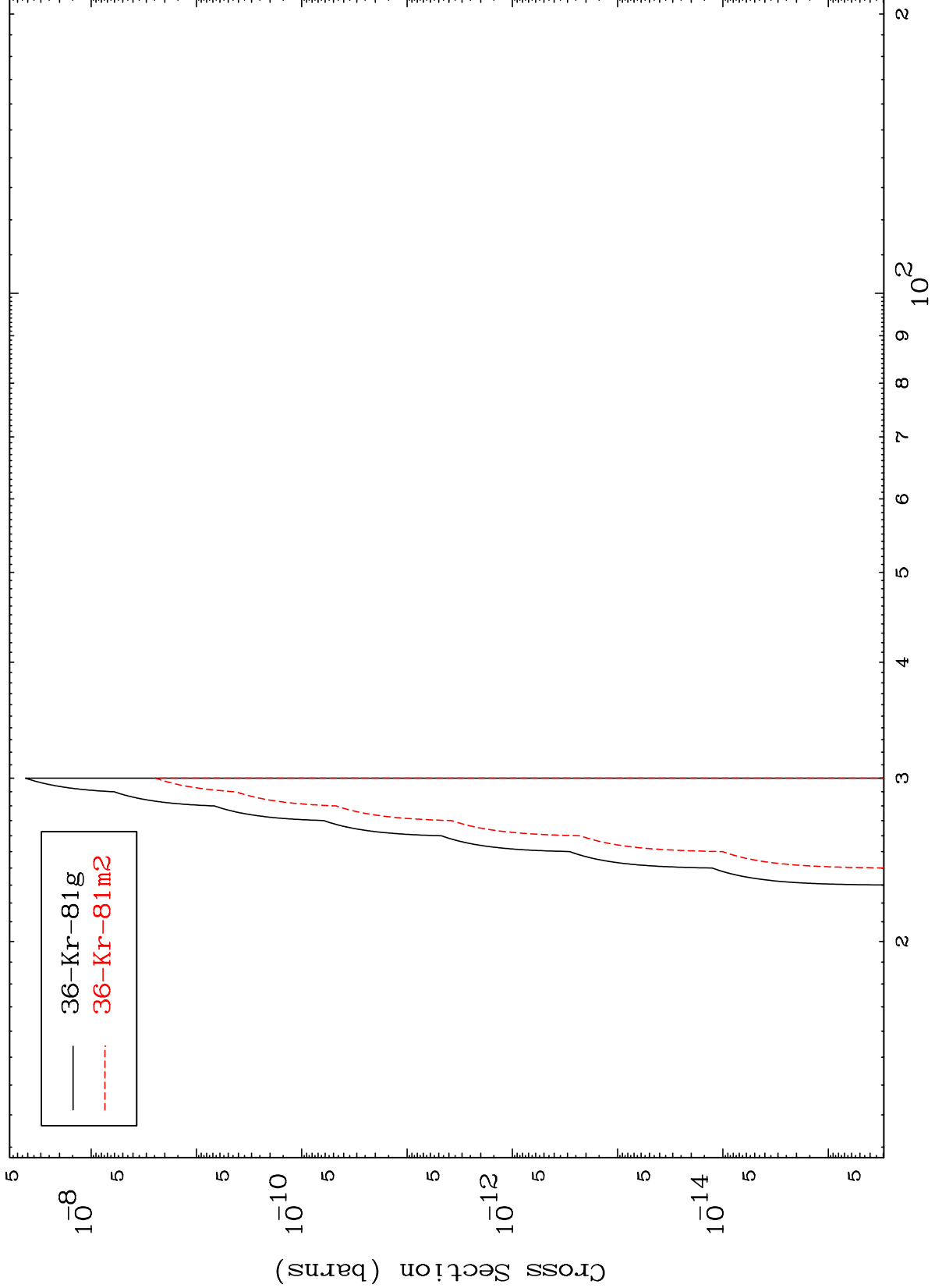
— 38-Sr-85g
- - - 38-Sr-85m2

MAT 4022

(n,n') 2α

40-Zr-89

Radionuclide Production Cross Section

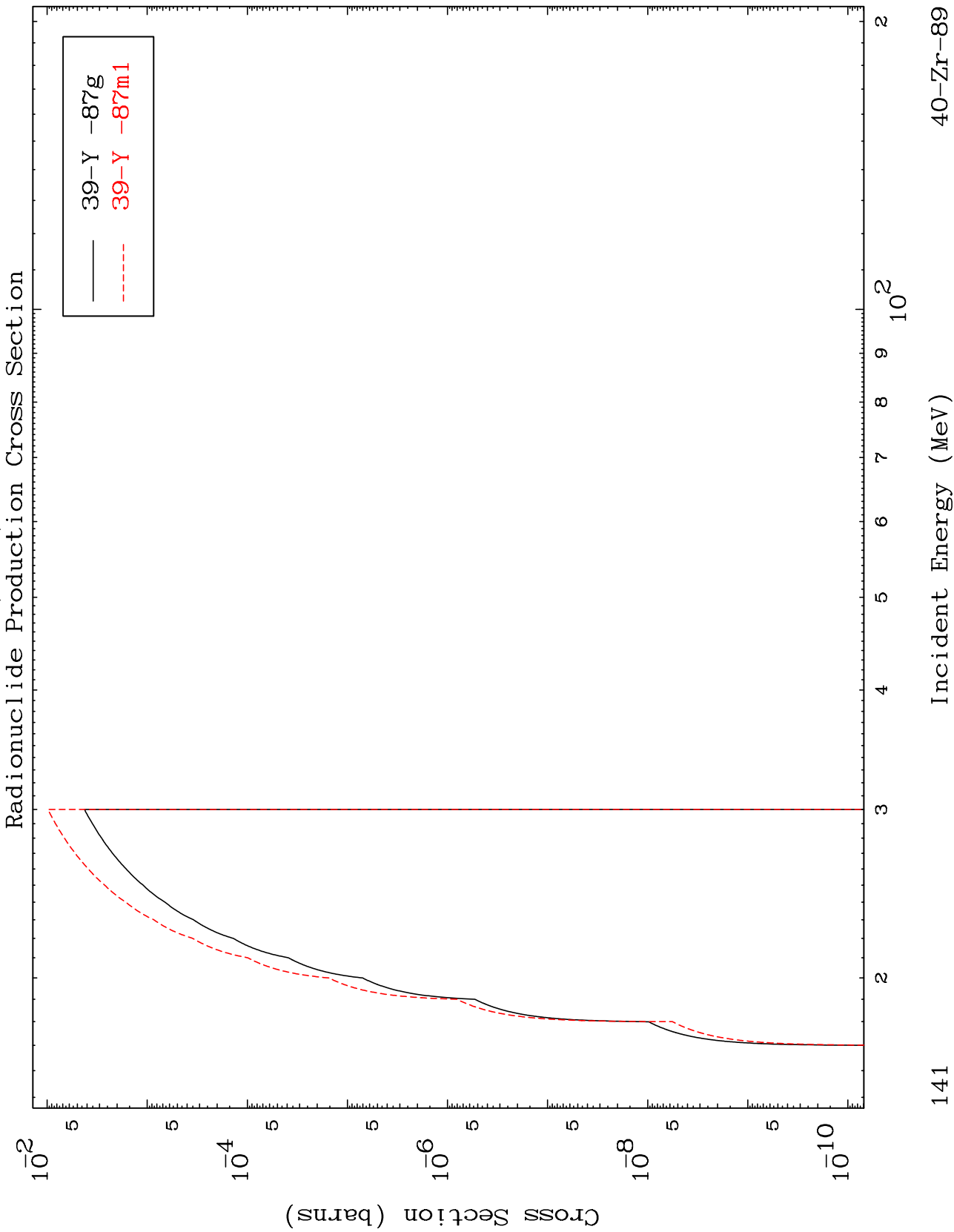


36-Kr-81g
36-Kr-81m2

MAT 4022

(n,n') d

40-Zr-89



141

Incident Energy (MeV)

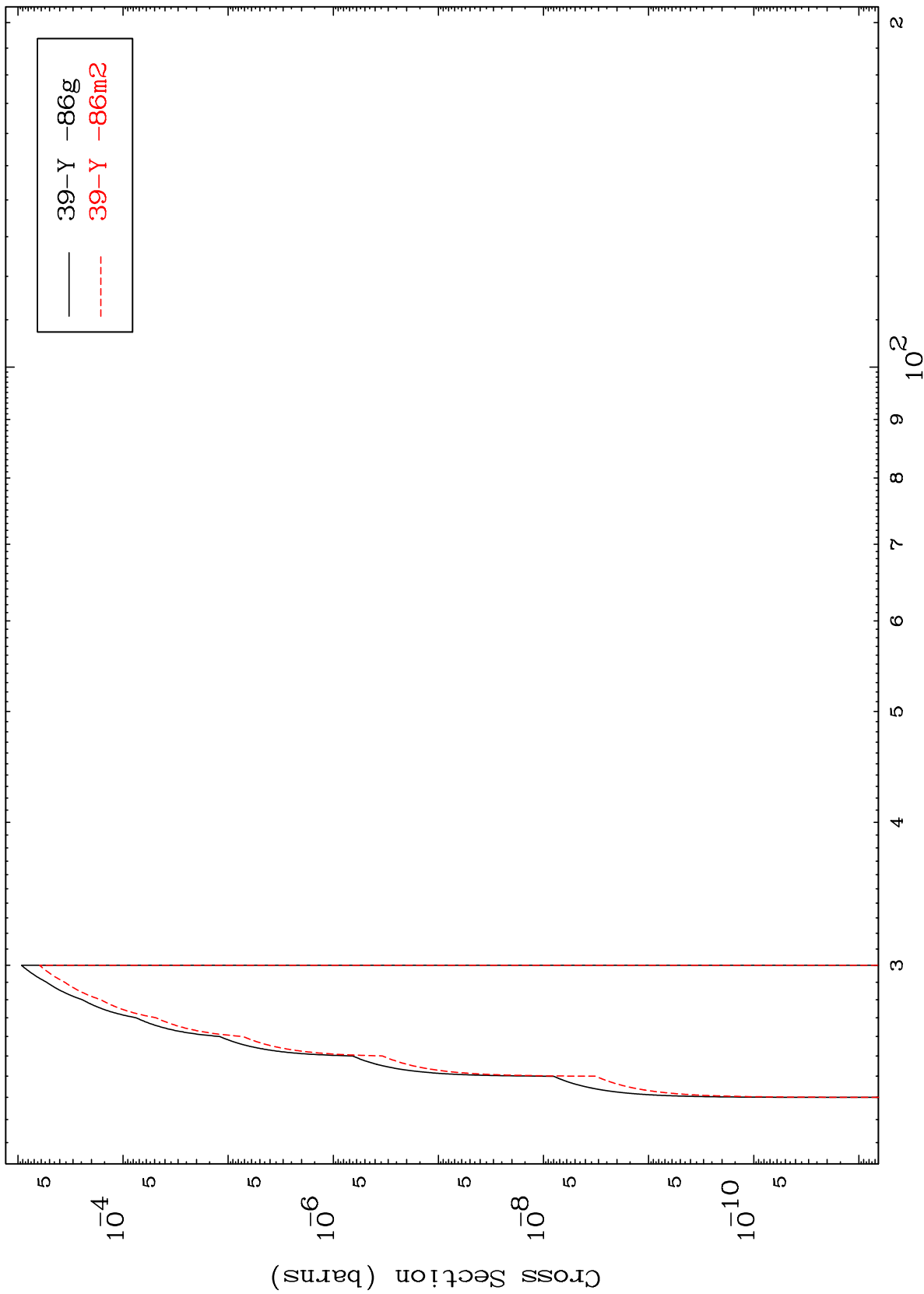
40-Zr-89

MAT 4022

(n,n') t

40-Zr-89

Radionuclide Production Cross Section

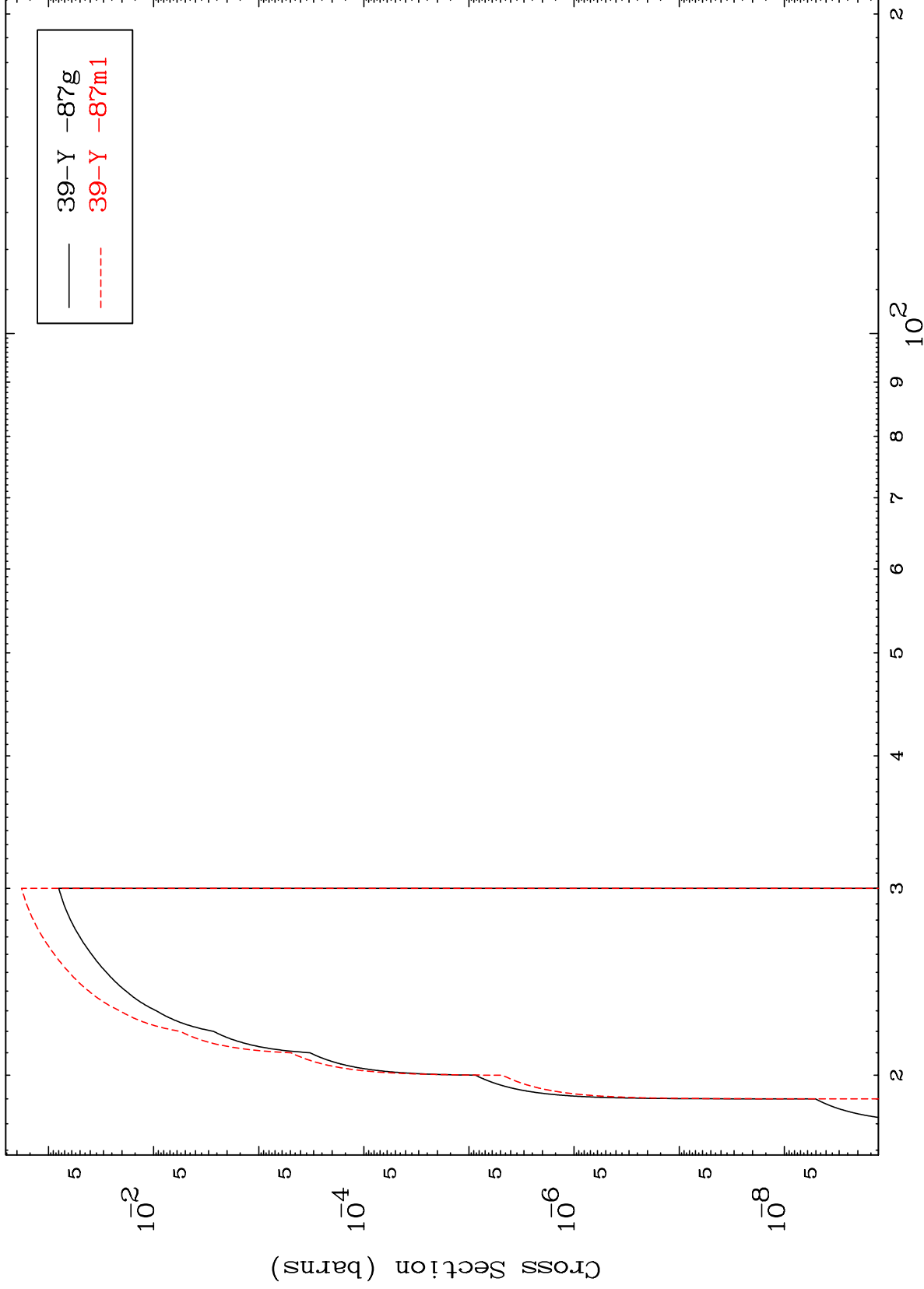


142

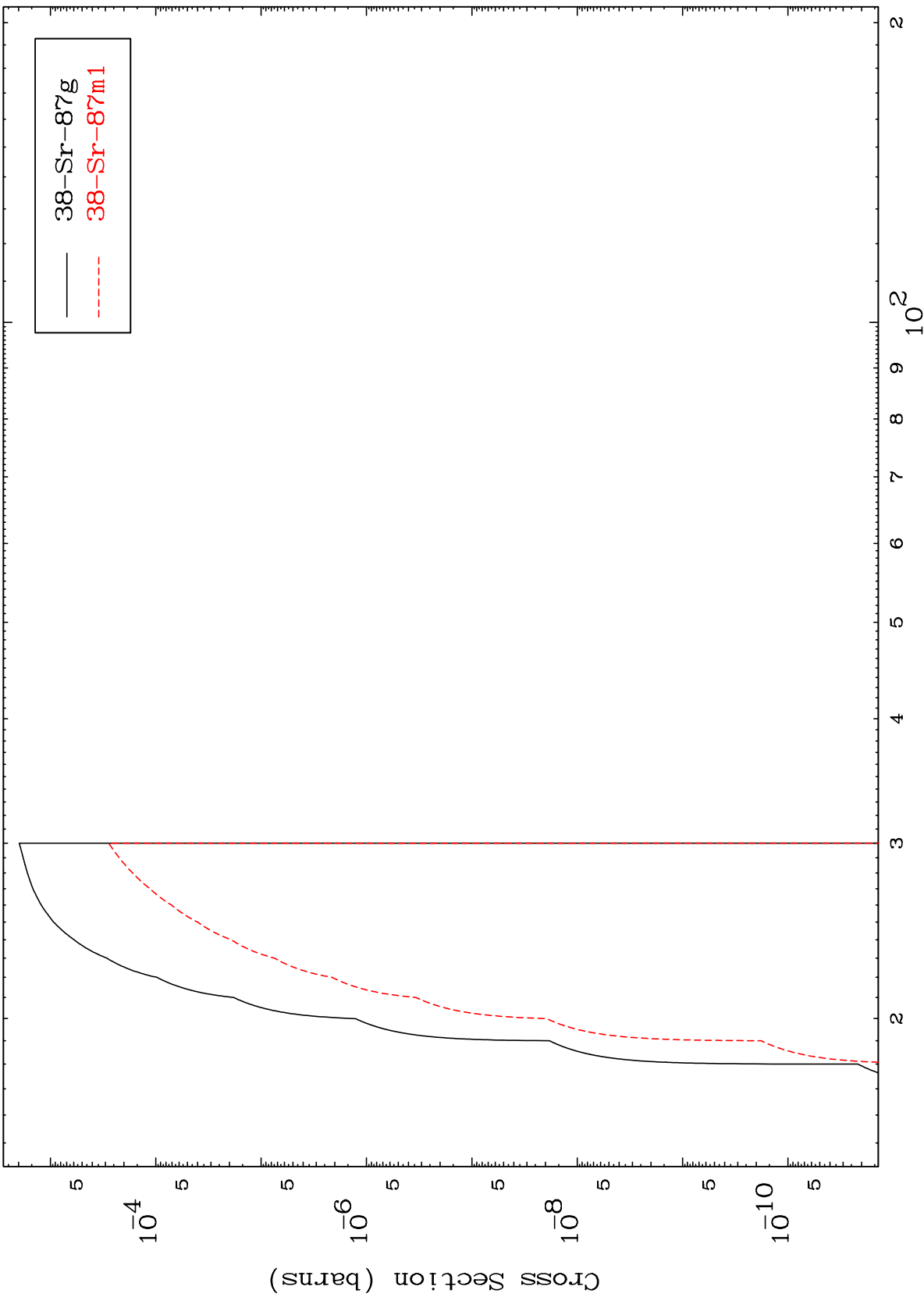
Incident Energy (MeV)

40-Zr-89

(n,2n) p
Radionuclide Production Cross Section



Radionuclide Production Cross Section

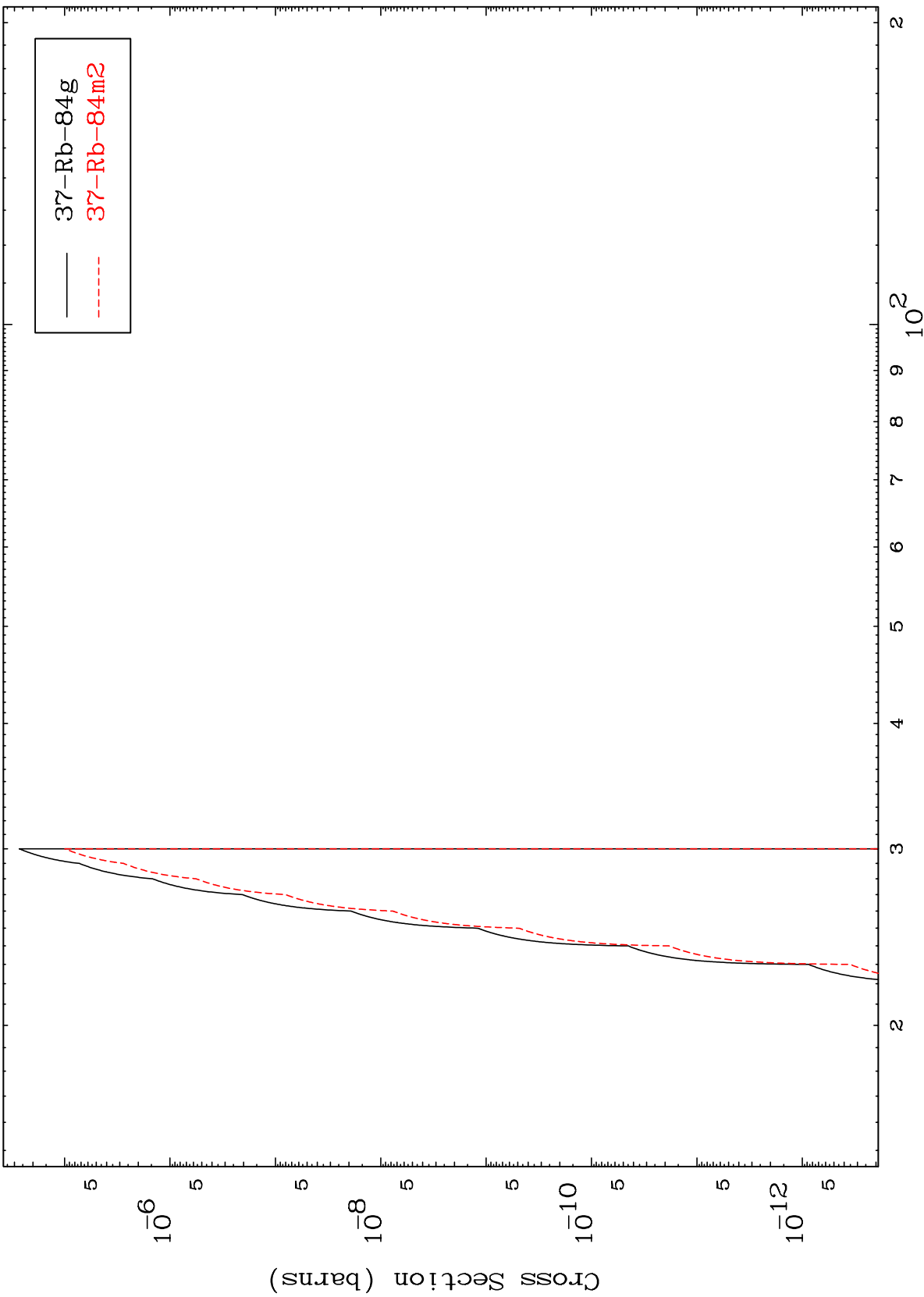


MAT 4022

(n,n') p α

40-Zr-89

Radionuclide Production Cross Section



37-Rb-84g
37-Rb-84m2

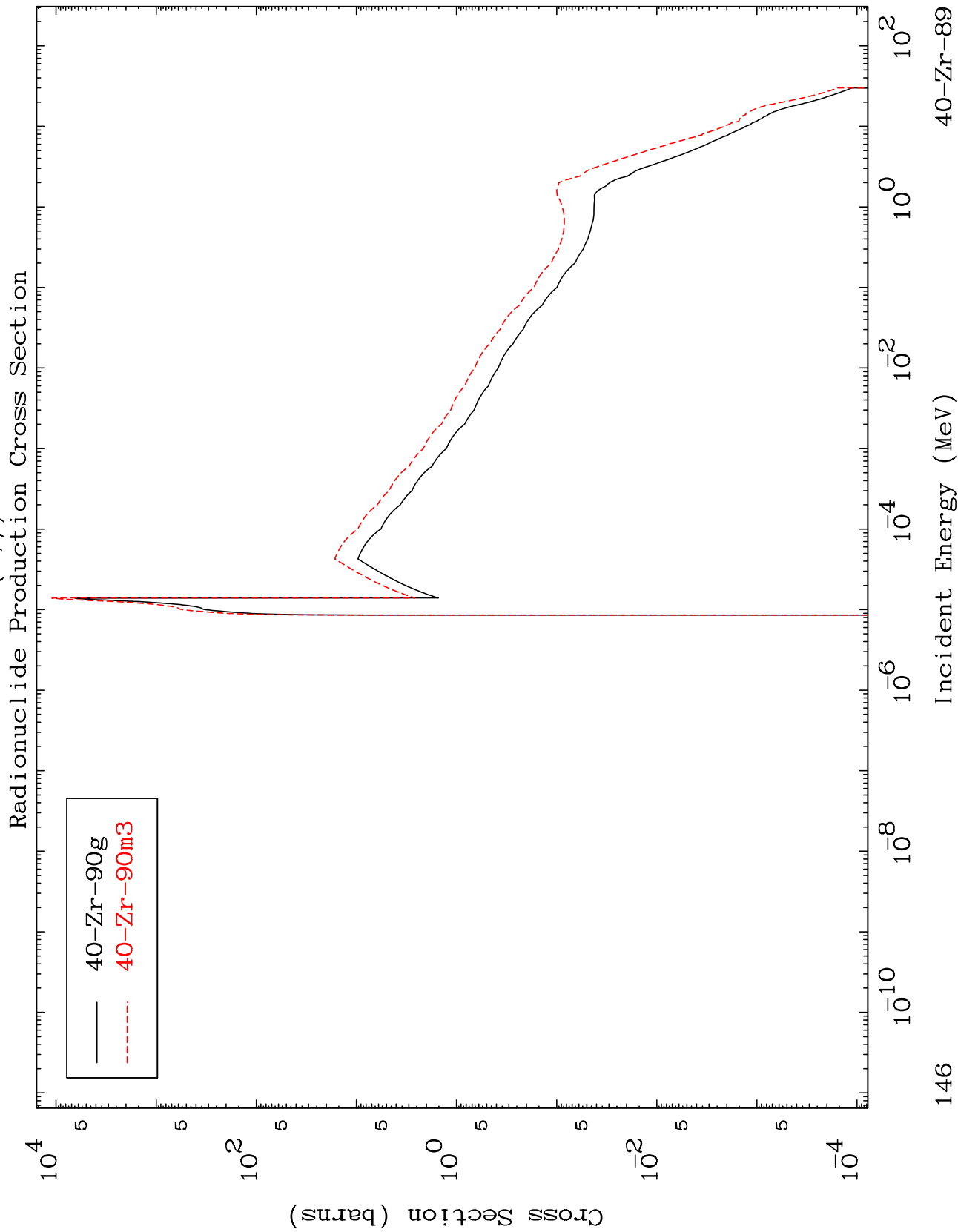
145

Incident Energy (MeV)

40-Zr-89

MAT 4022

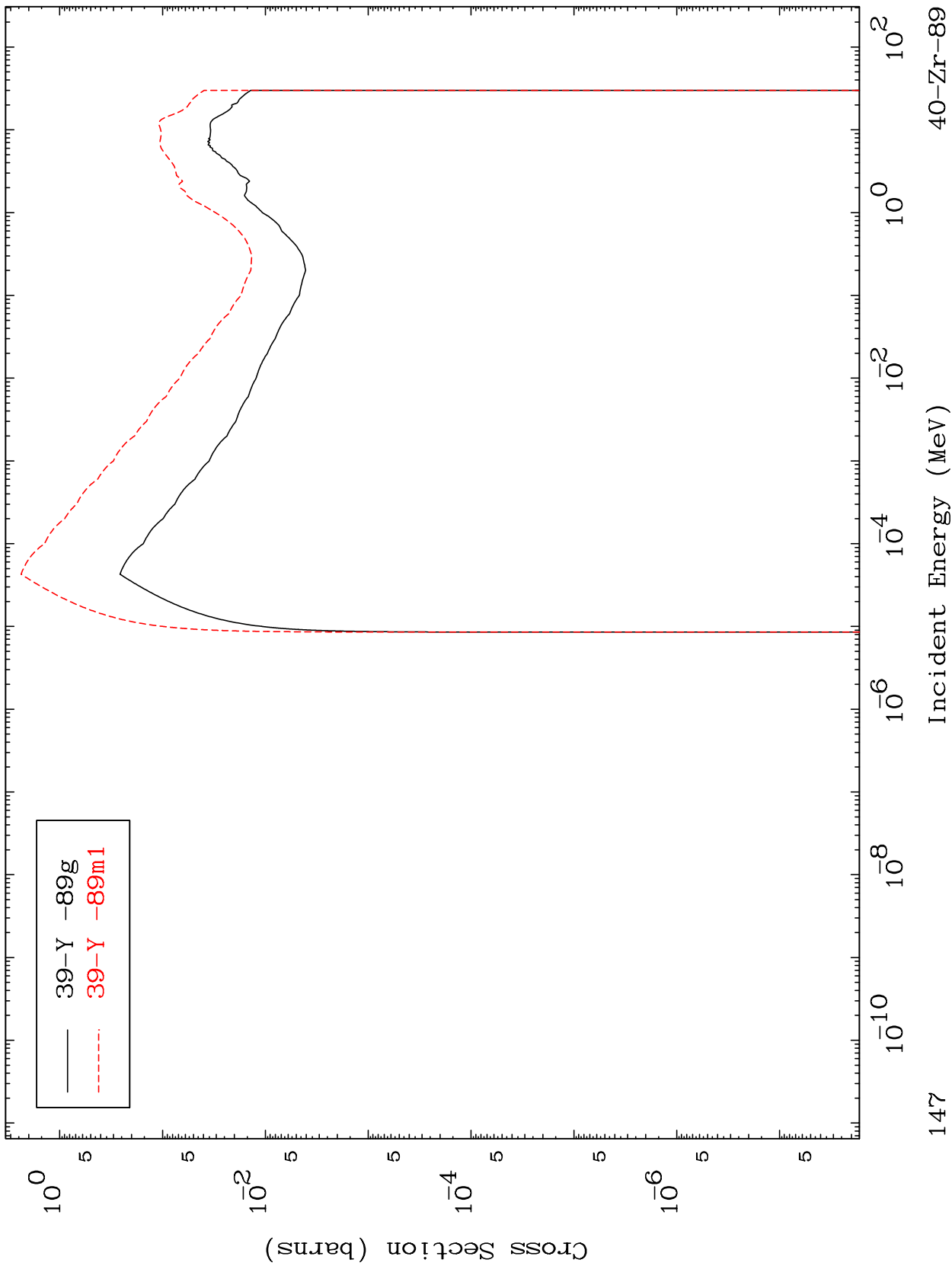
40-Zr-89



MAT 4022

40-Zr-89

Radionuclide Production Cross Section (n,p)



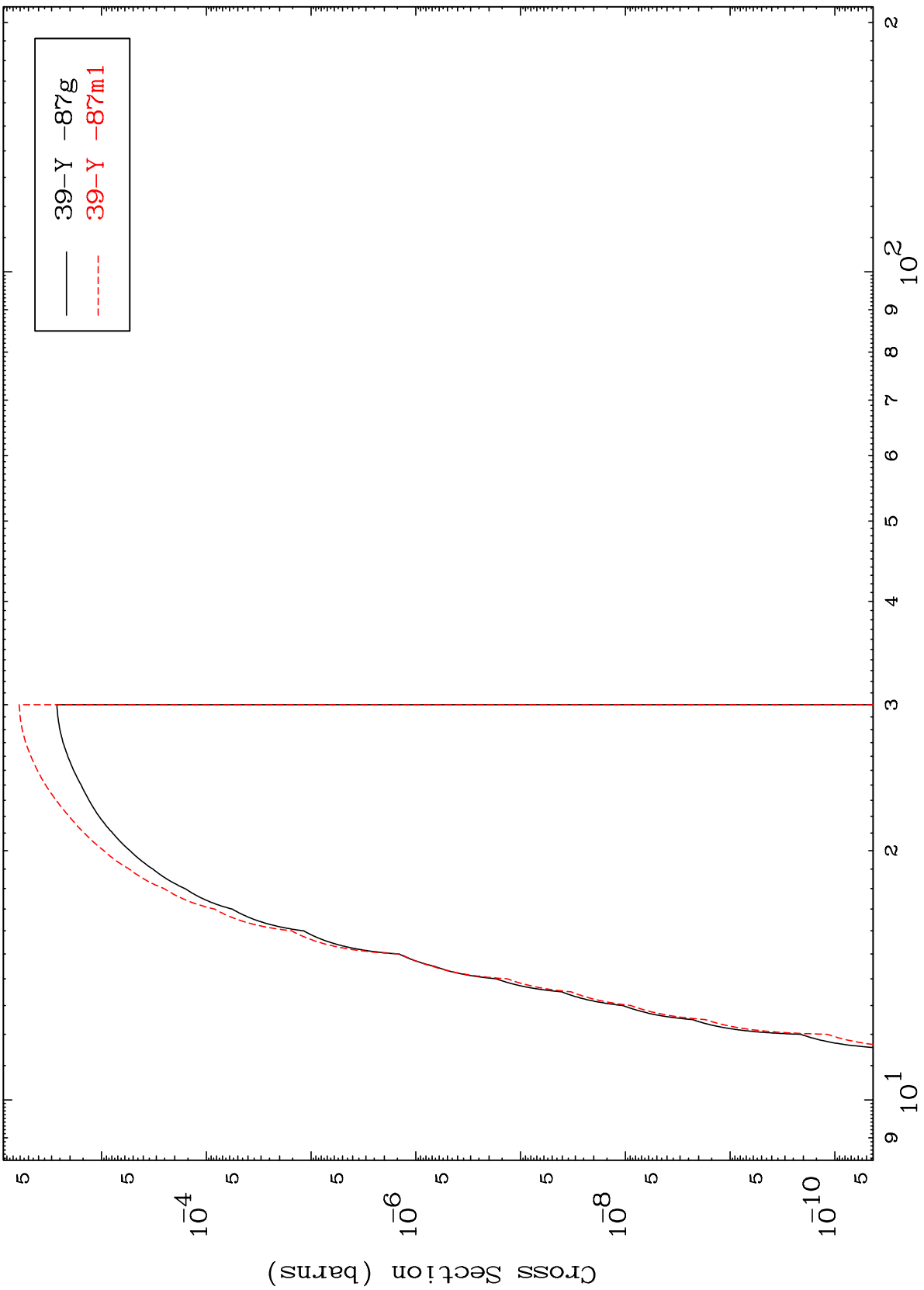
147

40-Zr-89

MAT 4022

40-Zr-89

(n, t)
Radionuclide Production Cross Section



40-Zr-89

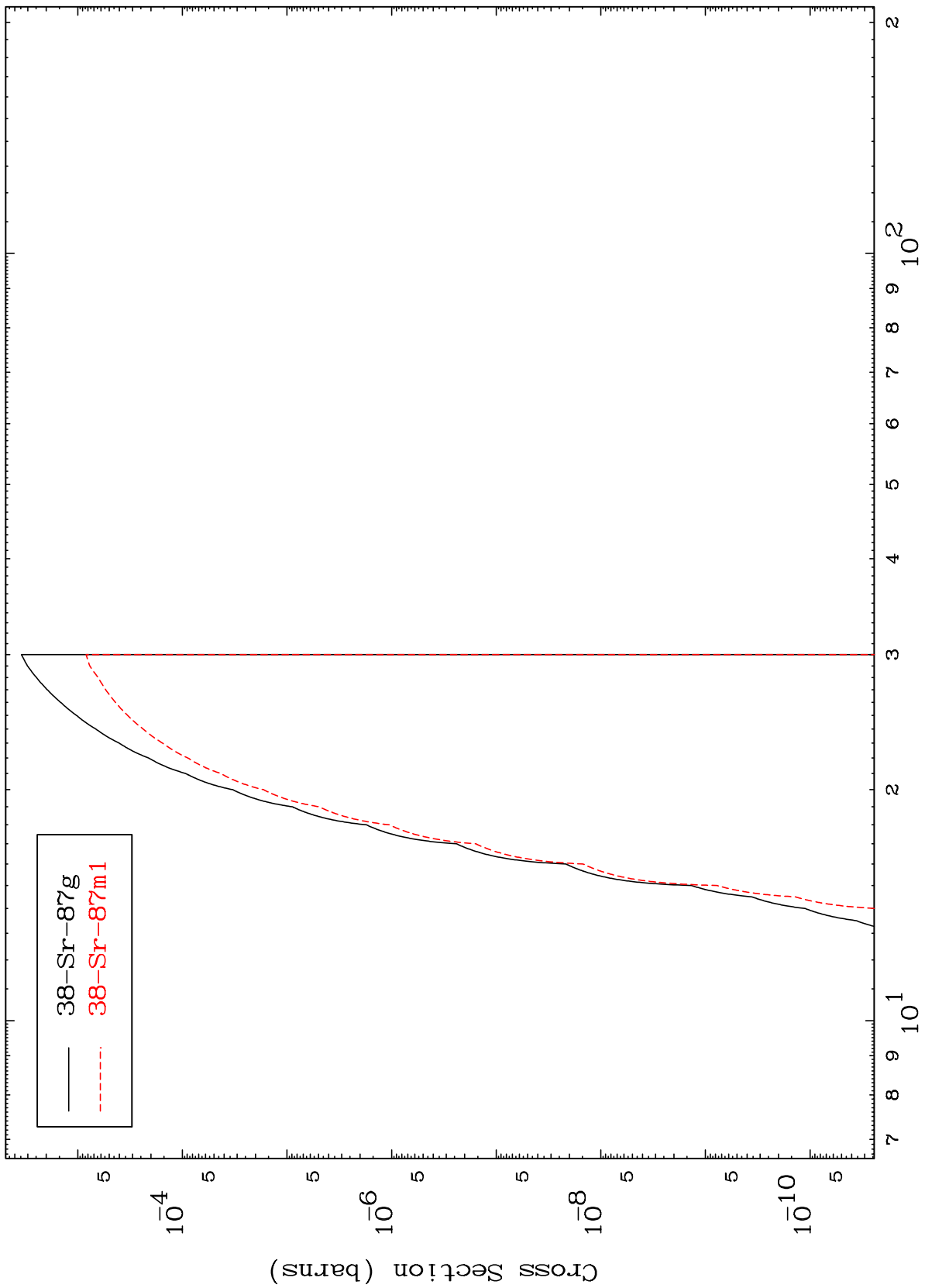
Incident Energy (MeV)

148

MAT 4022

40-Zr-89

Radionuclide Production Cross Section
(n,He-3)



149

40-Zr-89

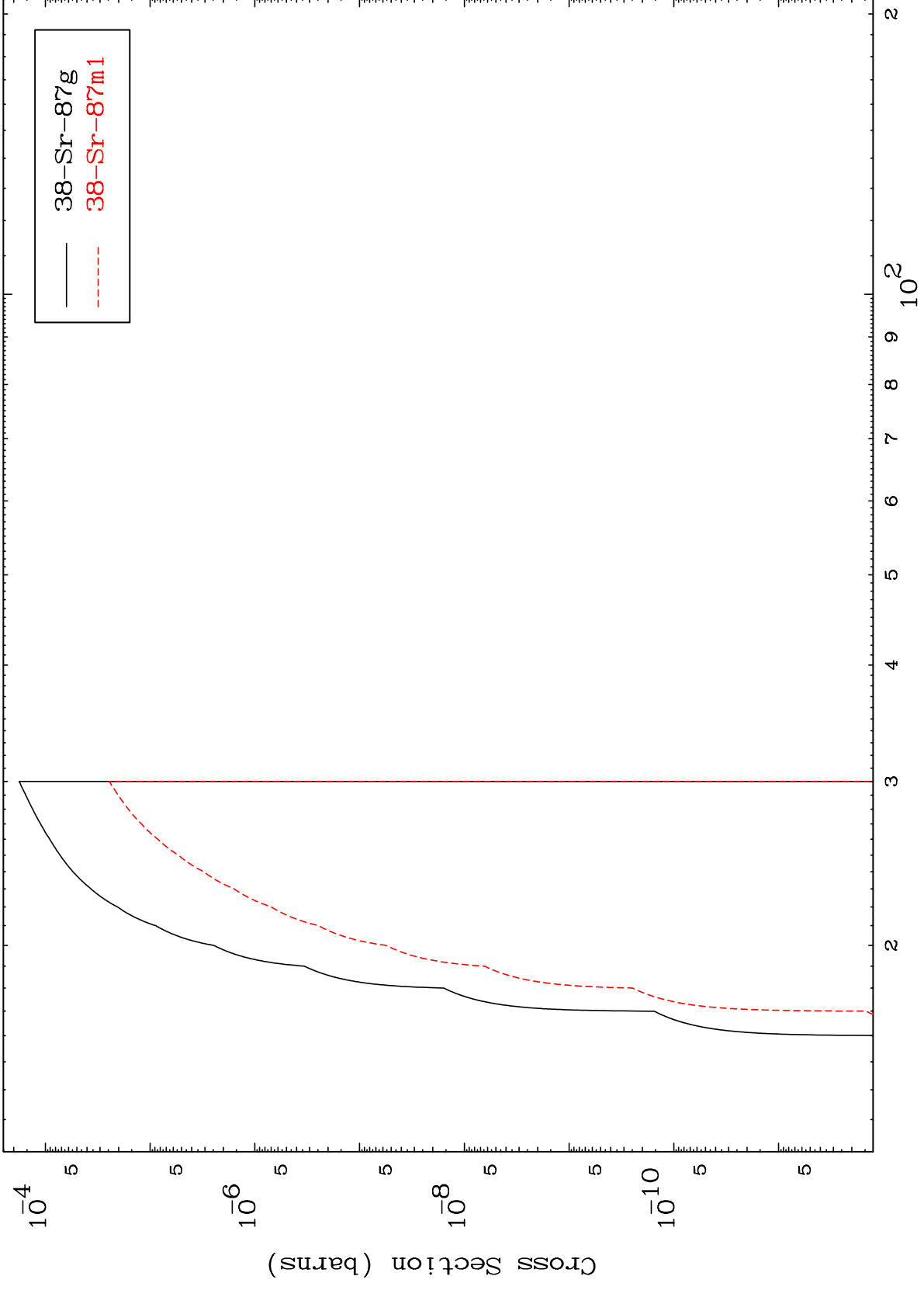
Incident Energy (MeV)

MAT 4022

(n,p) d

40-Zr-89

Radionuclide Production Cross Section



38-Sr-87g
38-Sr-87m1

150

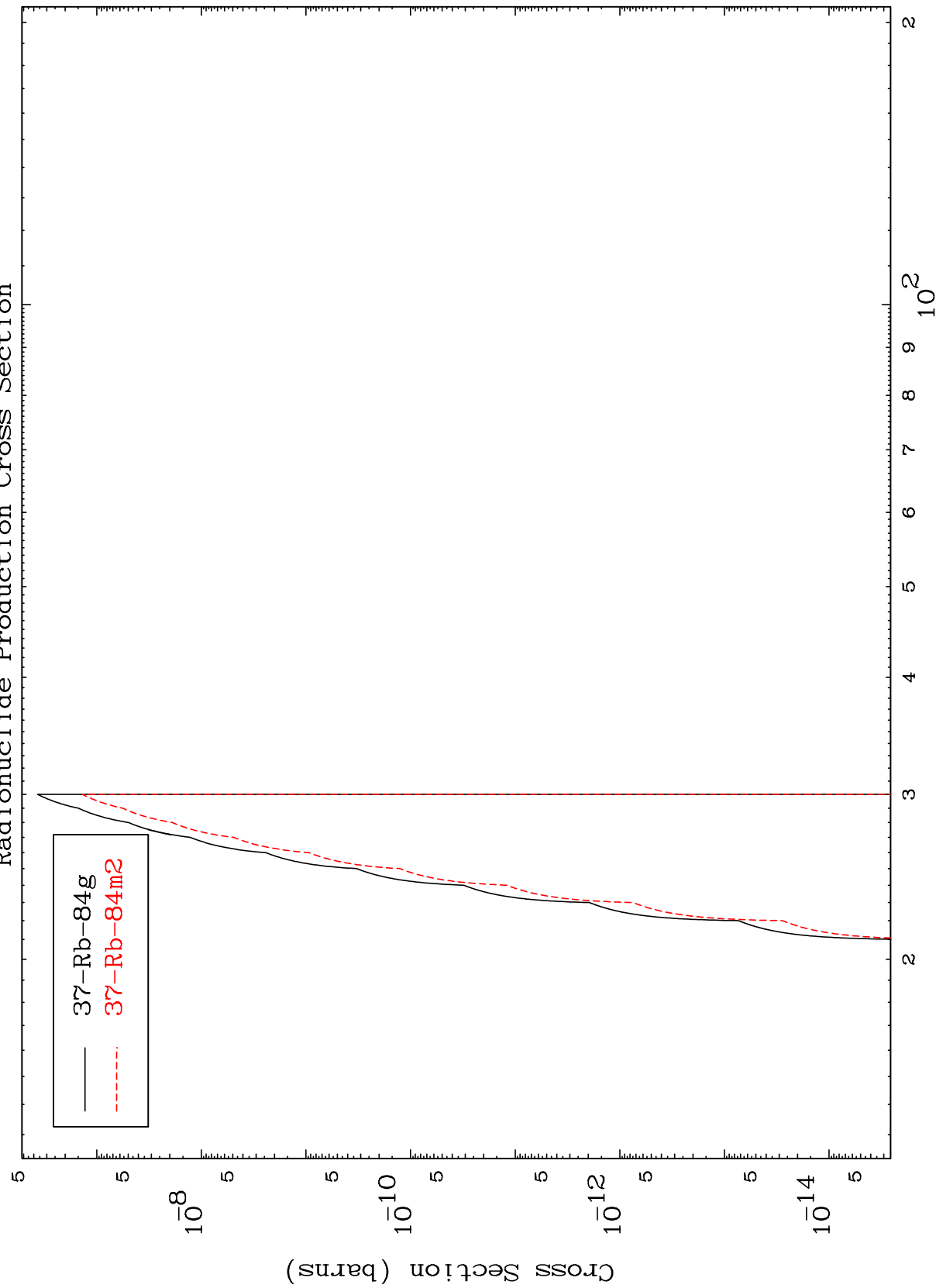
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(n,d) α
Radionuclide Production Cross Section



40-Zr-89

Incident Energy (MeV)

151