

Program EVALPLOT
(Version 2021-1)

by

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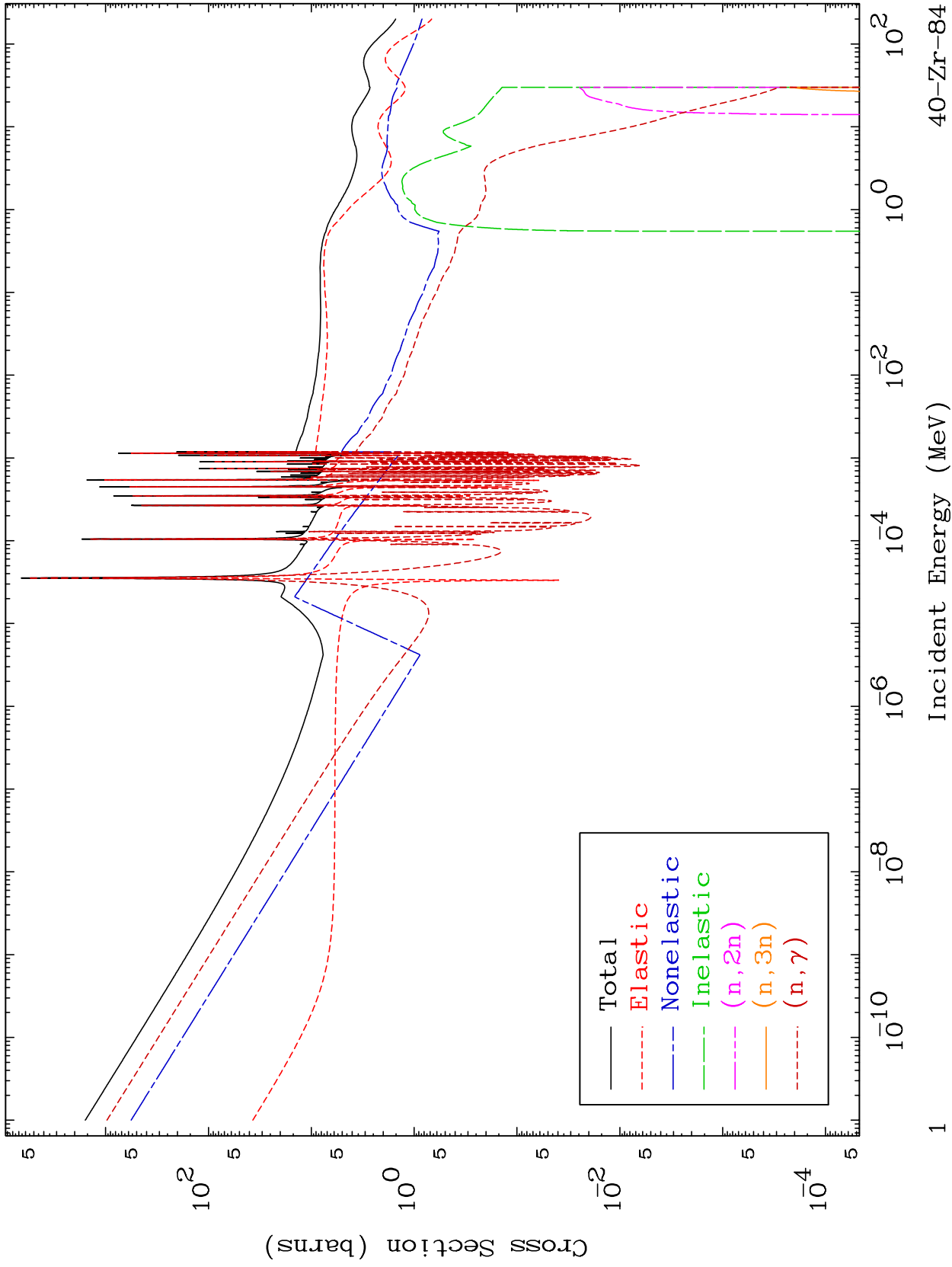
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4007

Neutron Major
293 Kelvin Cross Sections

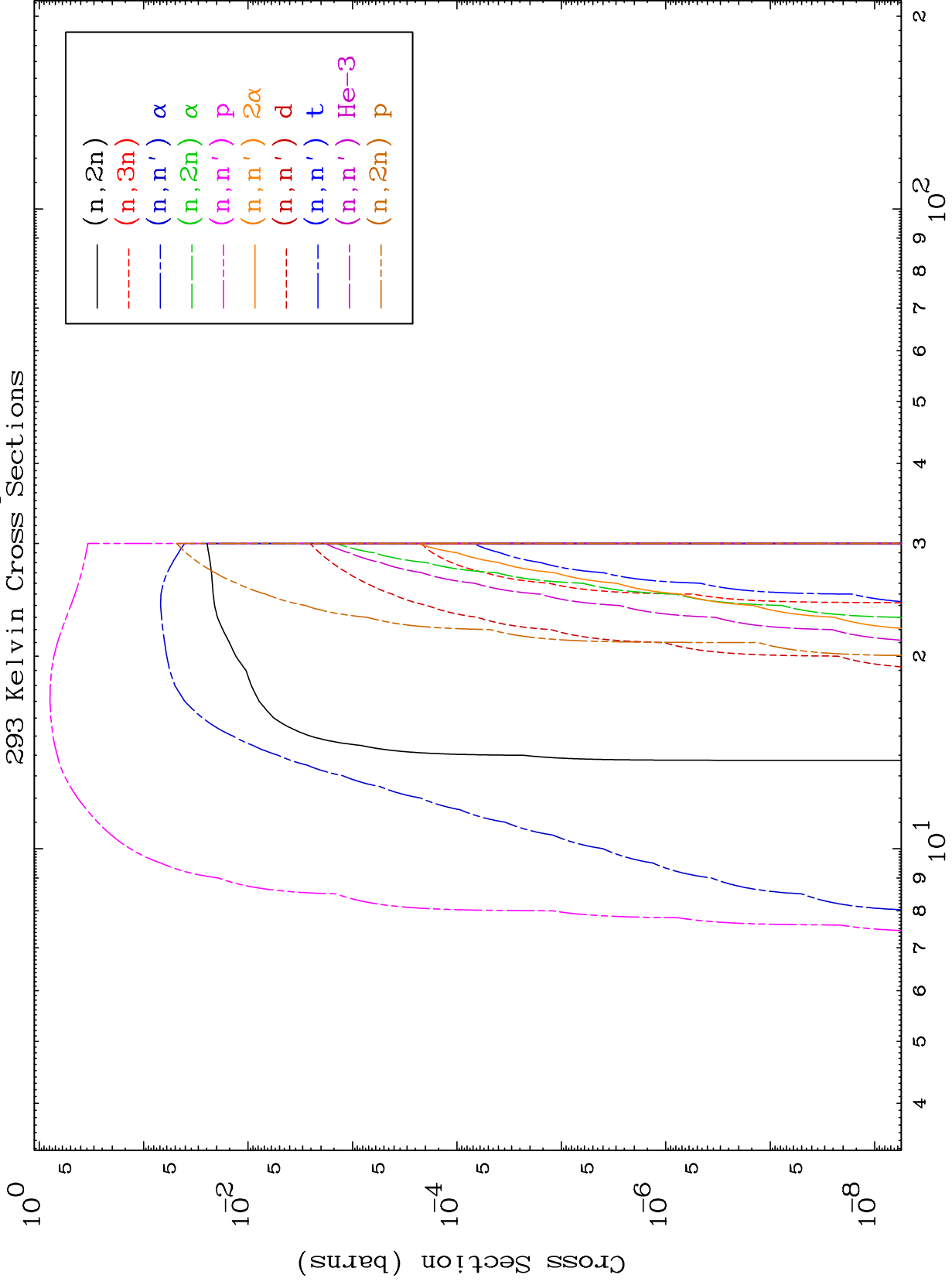
40-Zr-84



MAT 4007

Neutron Absorption
293 Kelvin Cross Sections

40-Zr-84



2

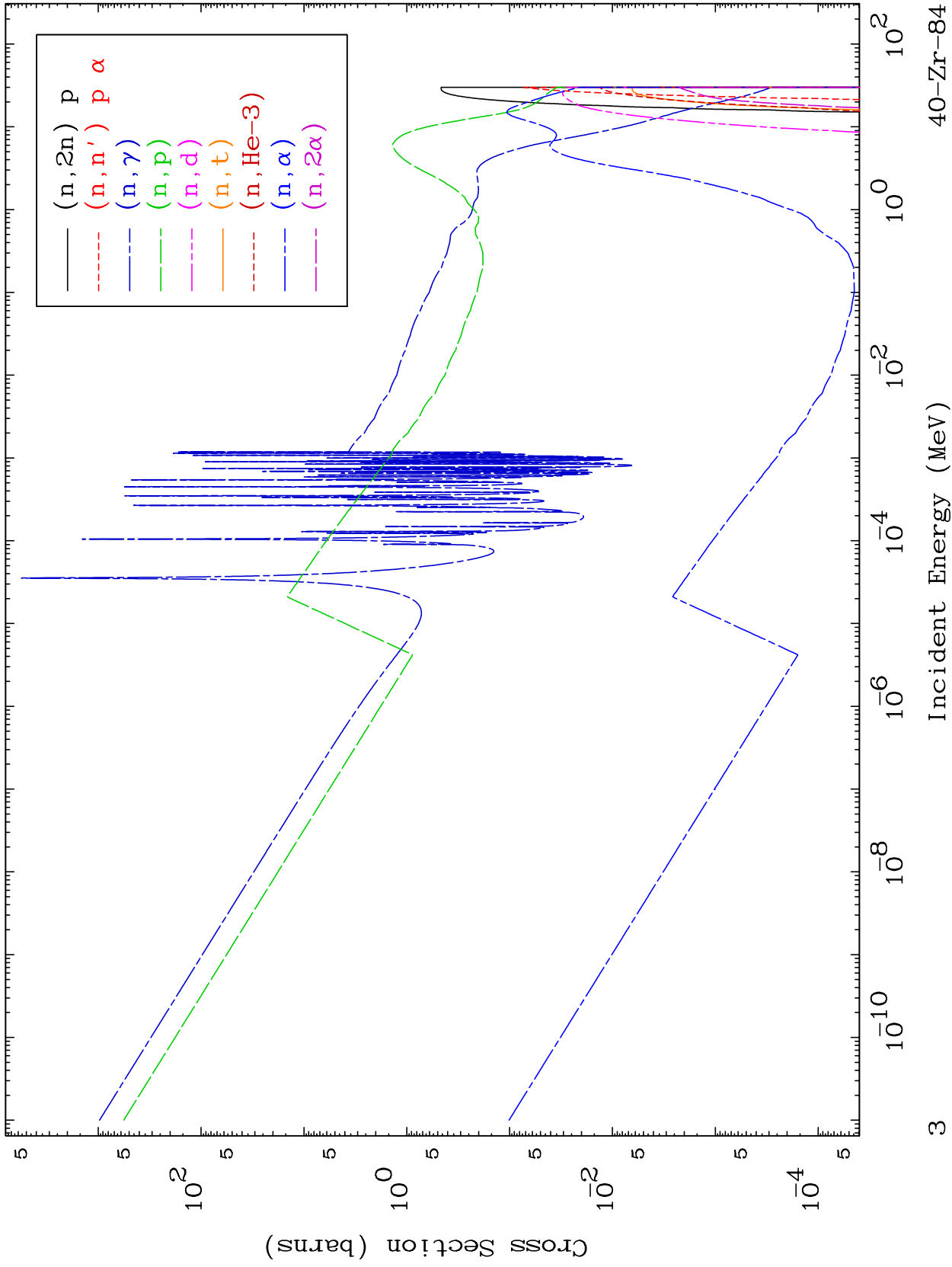
Incident Energy (MeV)

40-Zr-84

MAT 4007

Neutron Absorption
293 Kelvin Cross Sections

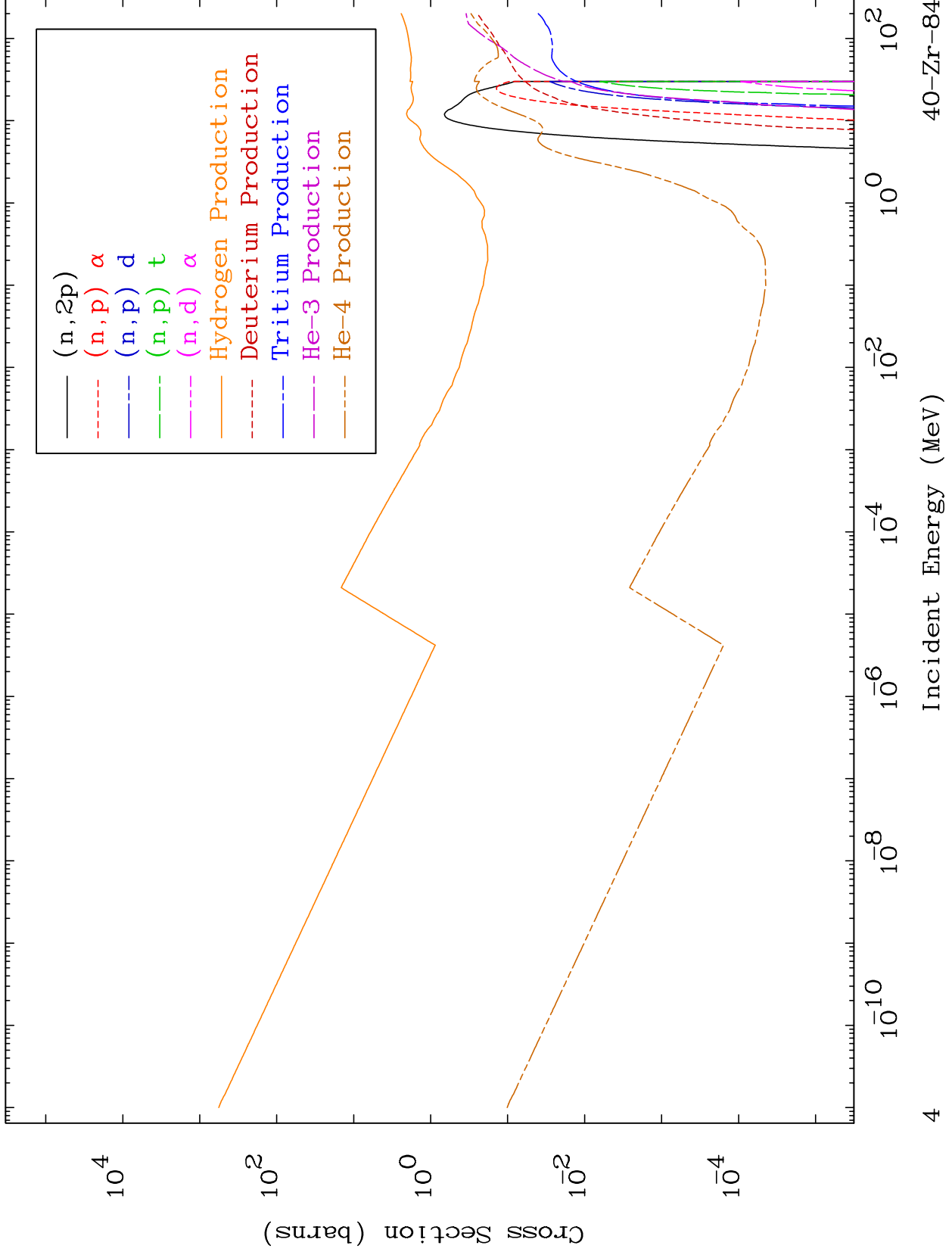
40-Zr-84



MAT 4007

Neutron Absorption
293 Kelvin Cross Sections

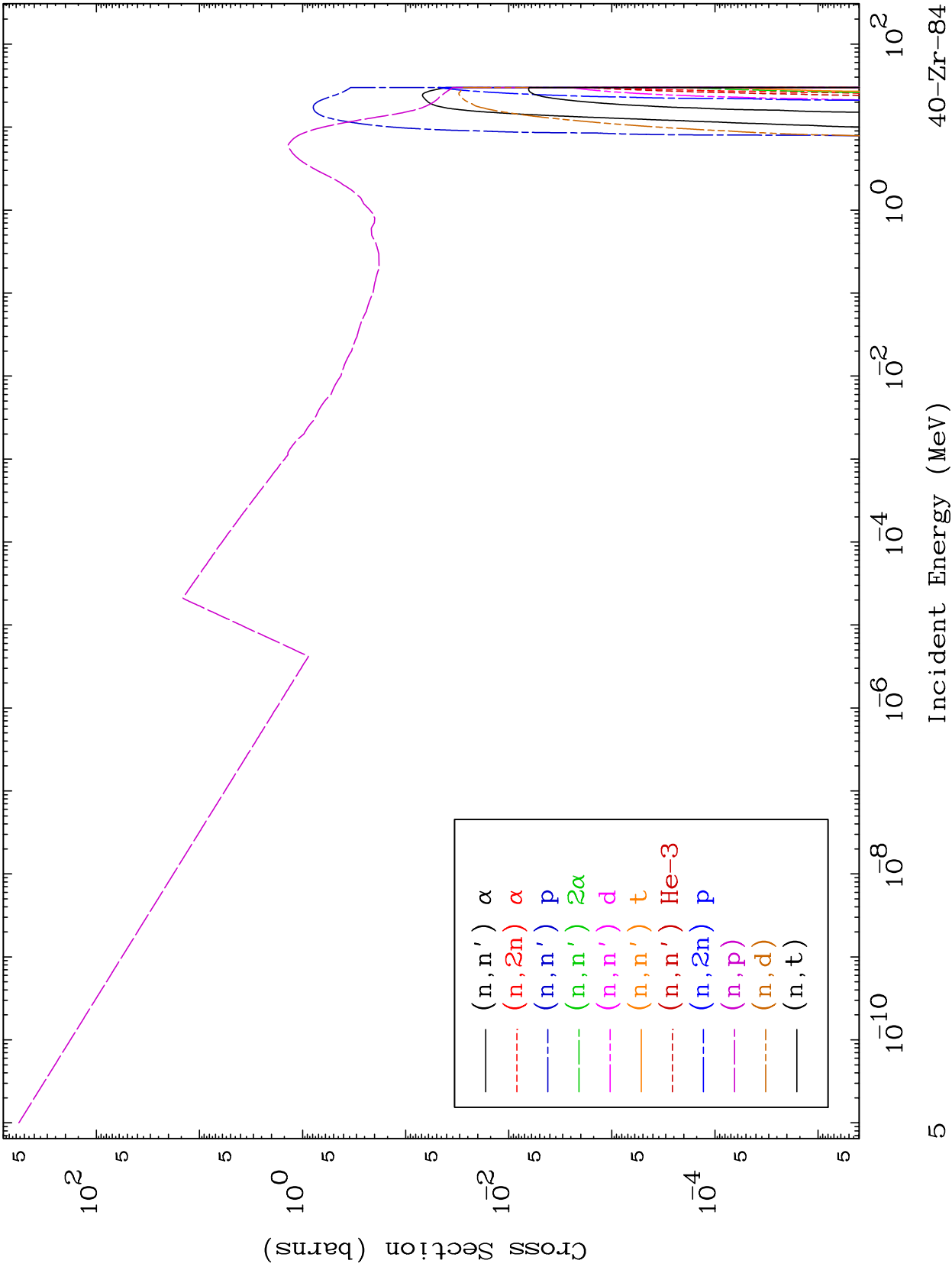
40-Zr-84



MAT 4007

Charged Particle
293 Kelvin Cross Sections

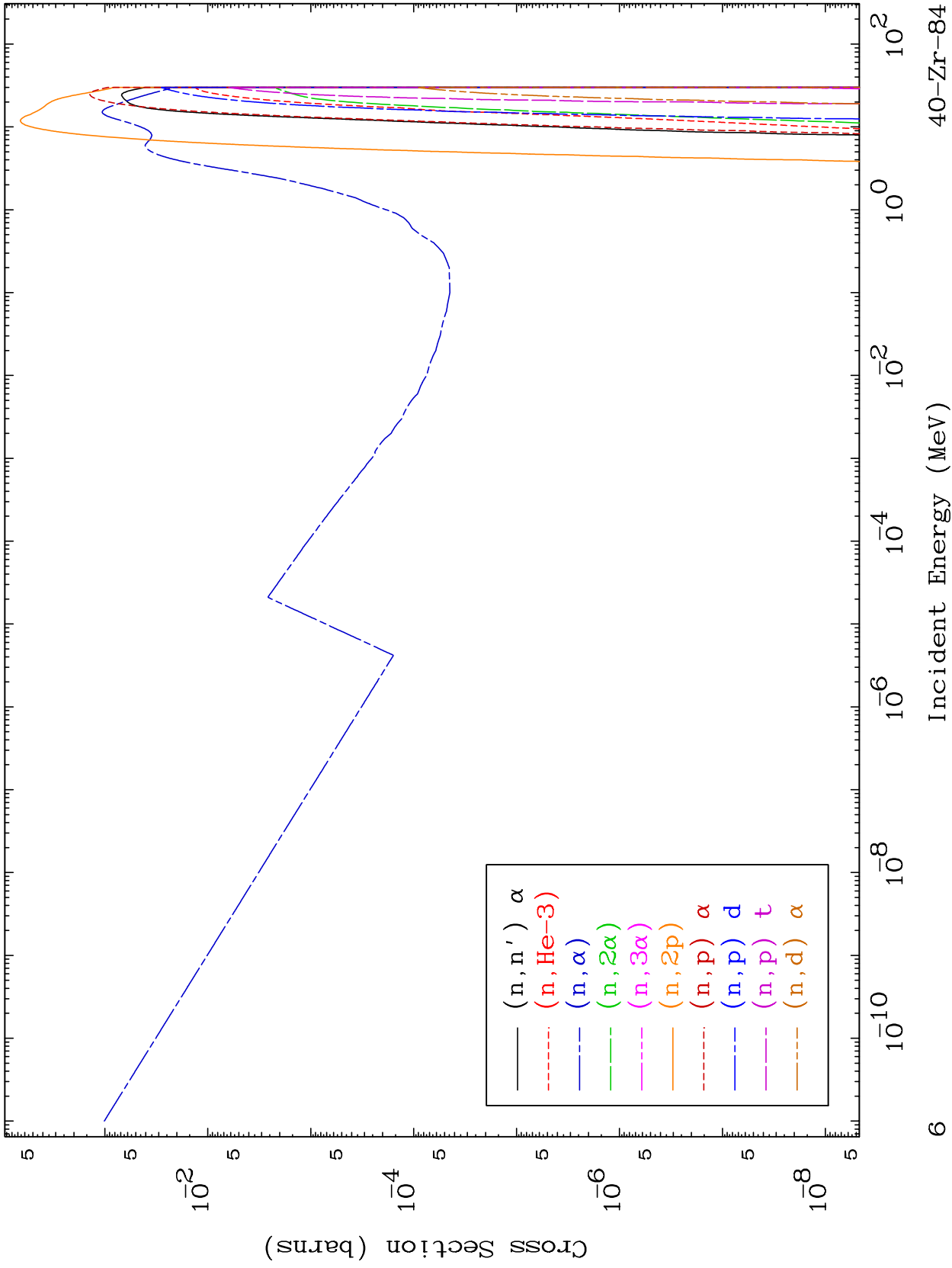
40-Zr-84



MAT 4007

Charged Particle
293 Kelvin Cross Sections

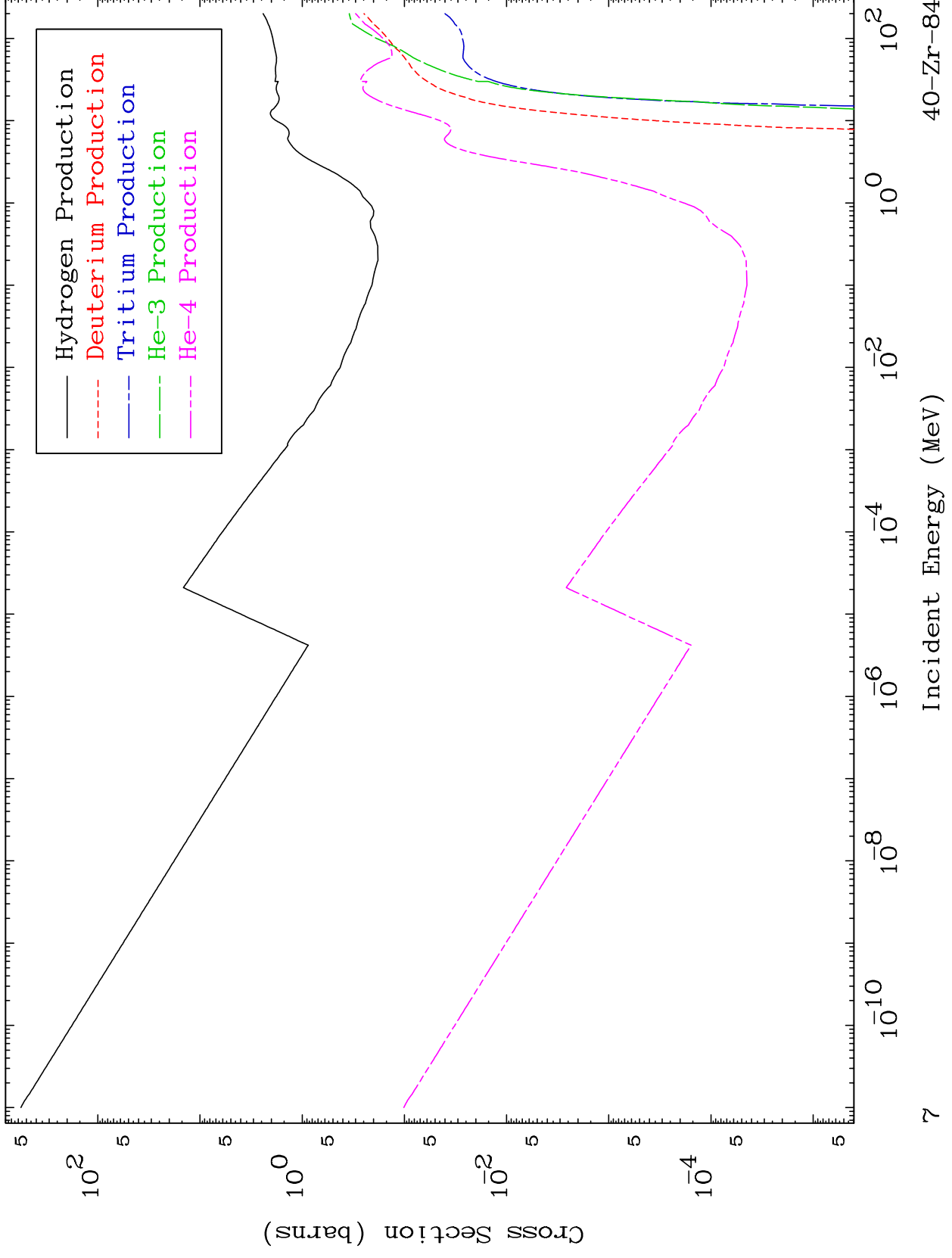
40-Zr-84



MAT 4007

Particle Production
293 Kelvin Cross Sections

40-Zr-84

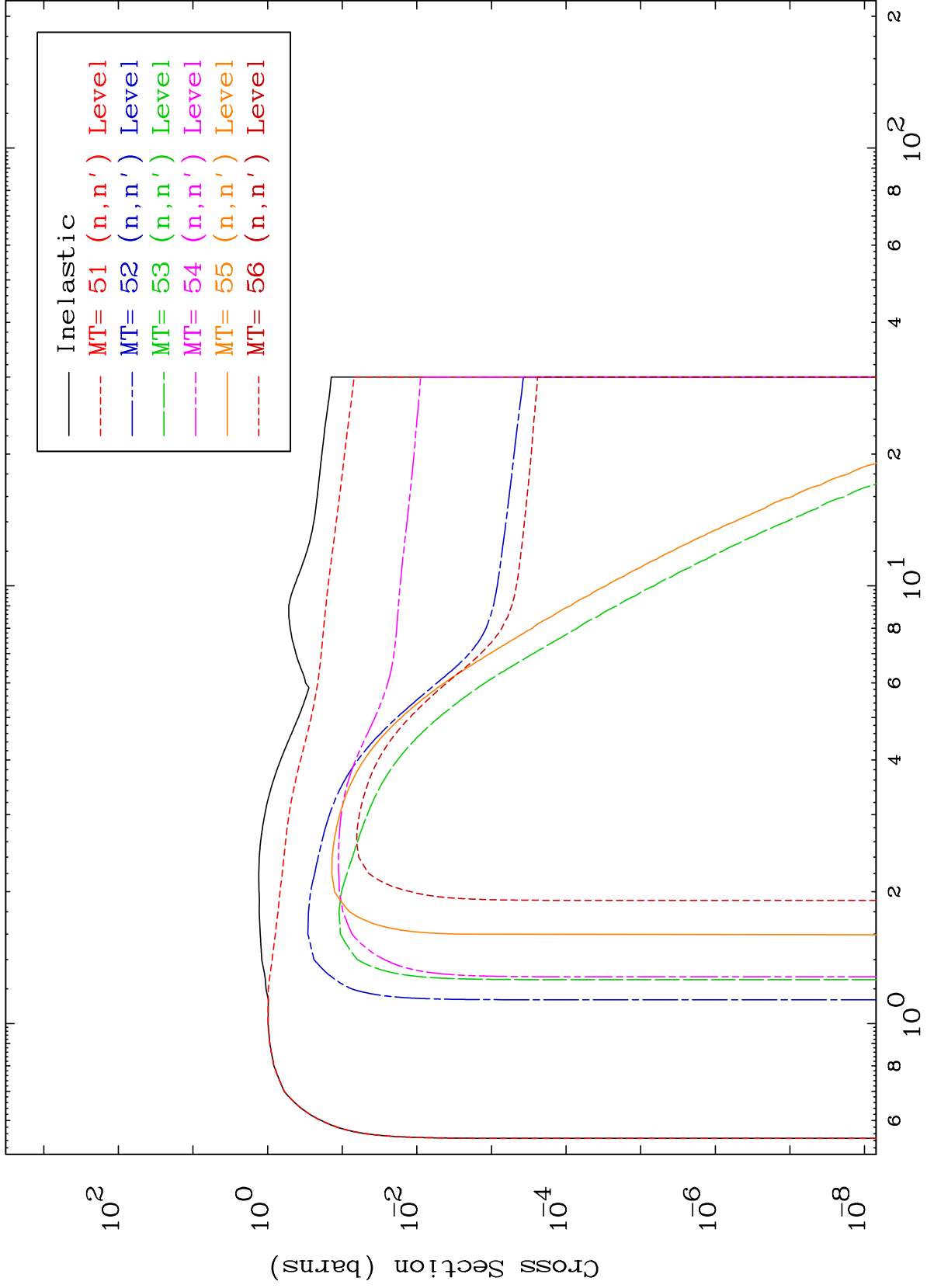


MAT 4007

(n,n') Levels

40-Zr-84

293 Kelvin Cross Sections



8

Incident Energy (MeV)

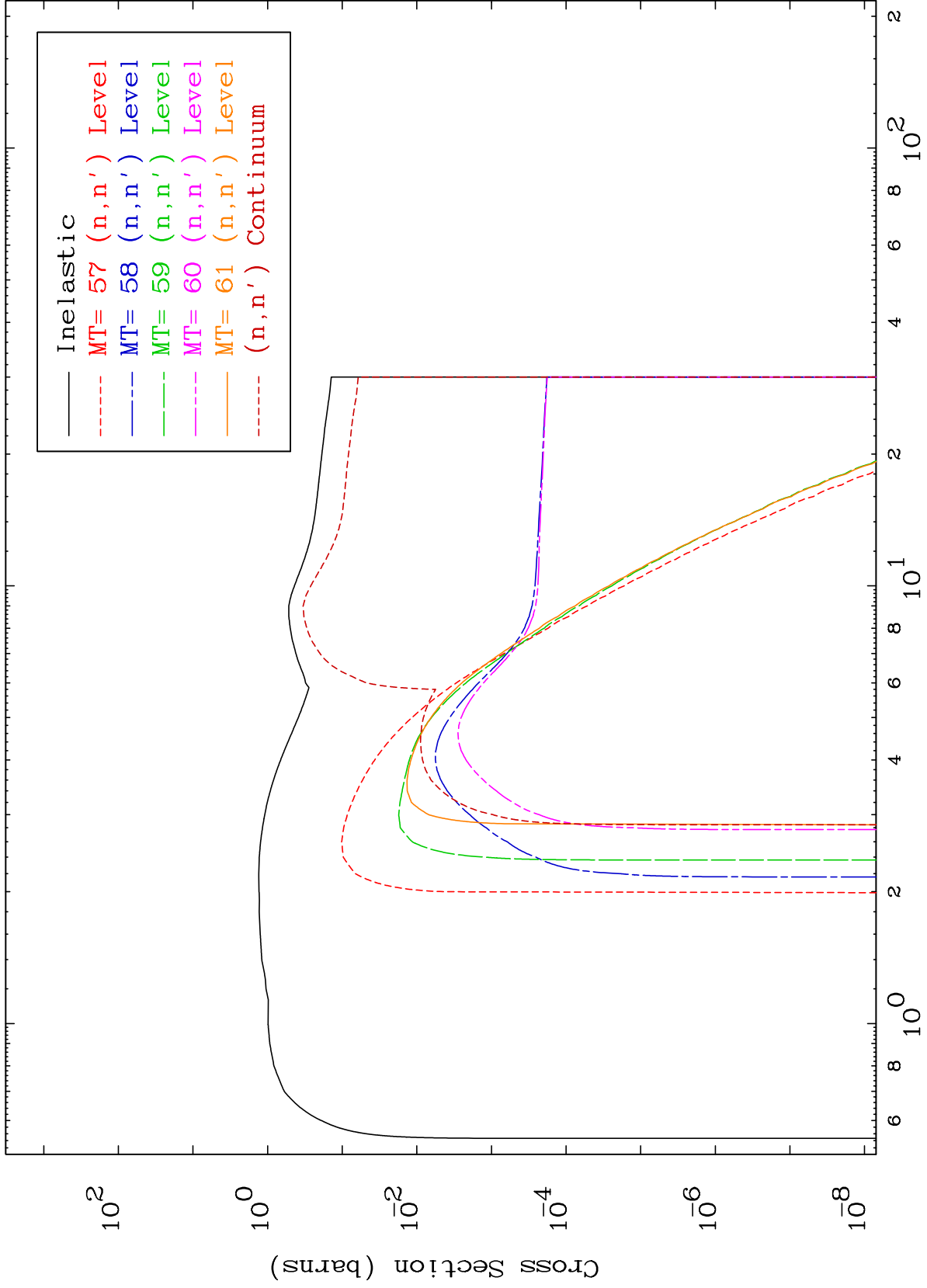
40-Zr-84

MAT 4007

(n,n') Levels

40-Zr-84

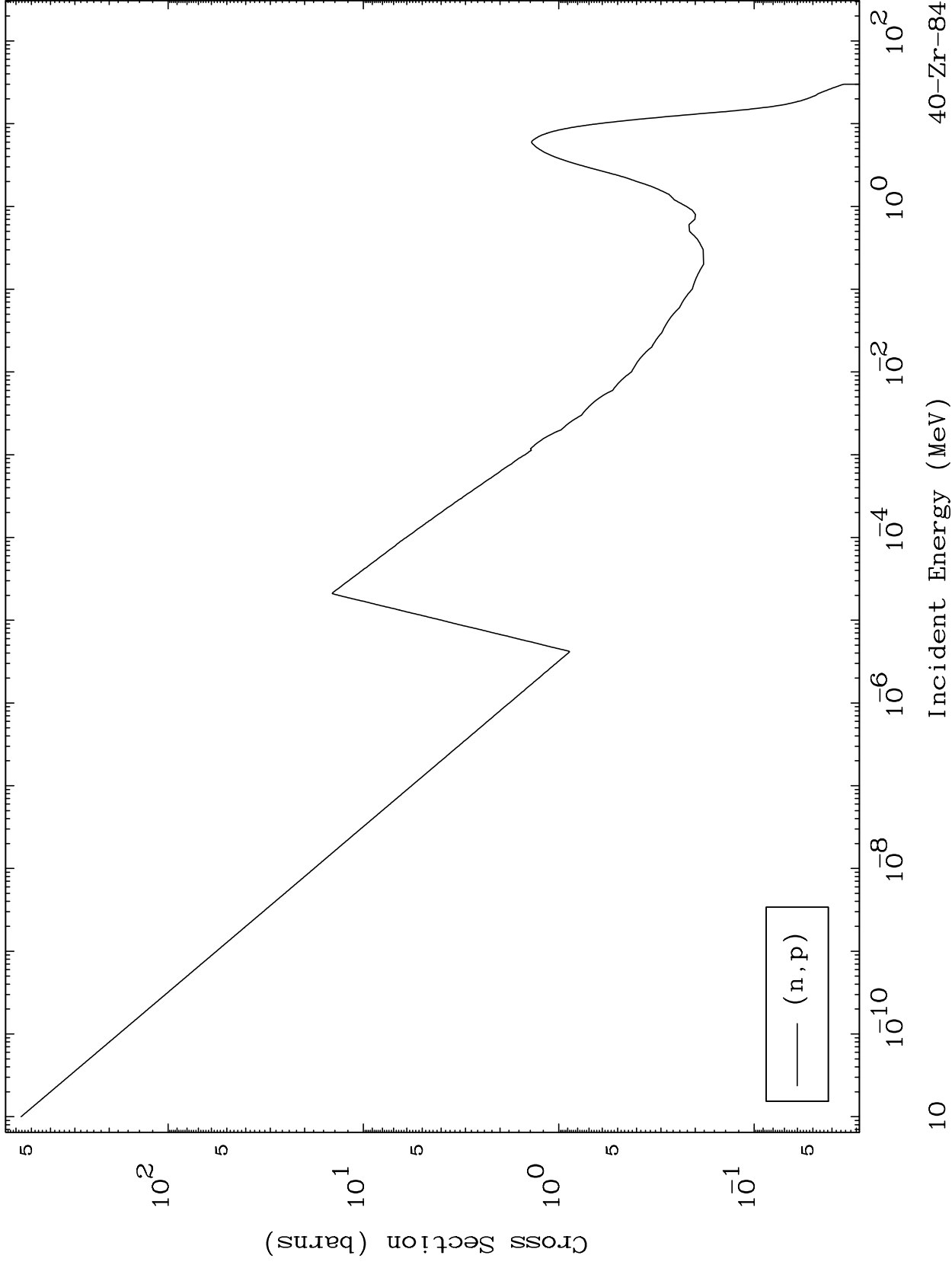
293 Kelvin Cross Sections



MAT 4007

(n,p) Levels
293 Kelvin Cross Sections

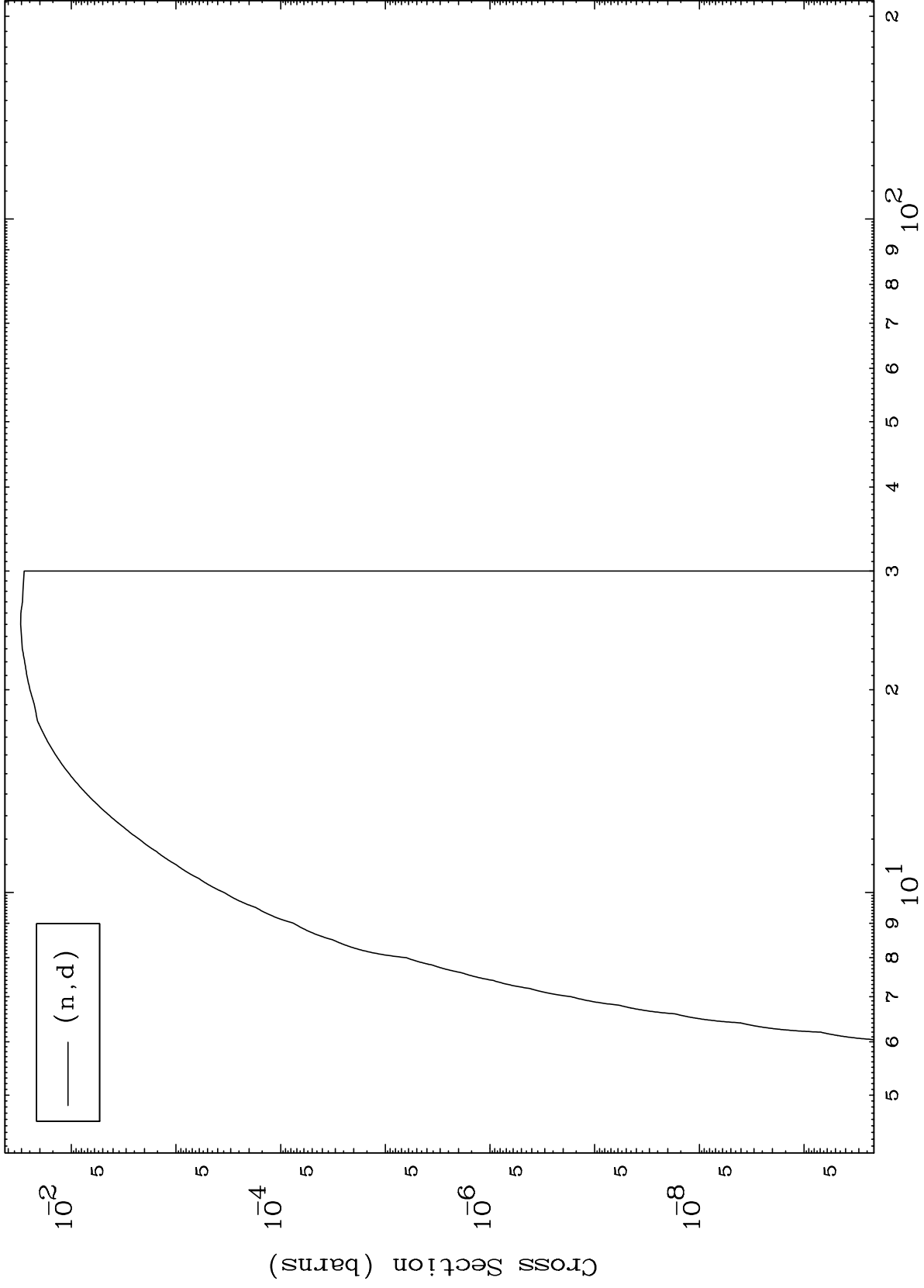
40-Zr-84



MAT 4007

(n,d) Levels
293 Kelvin Cross Sections

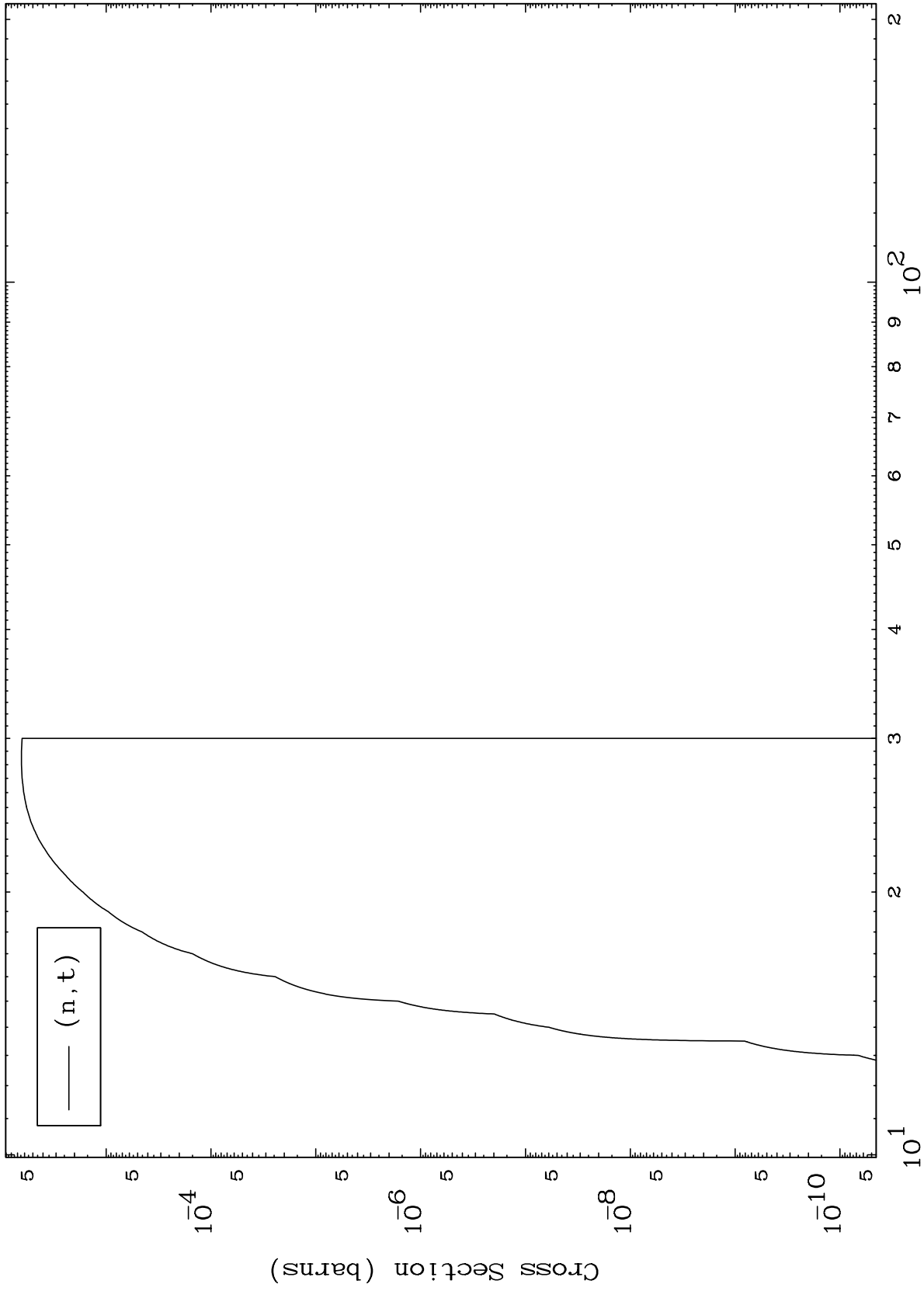
40-Zr-84



MAT 4007

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-84



12

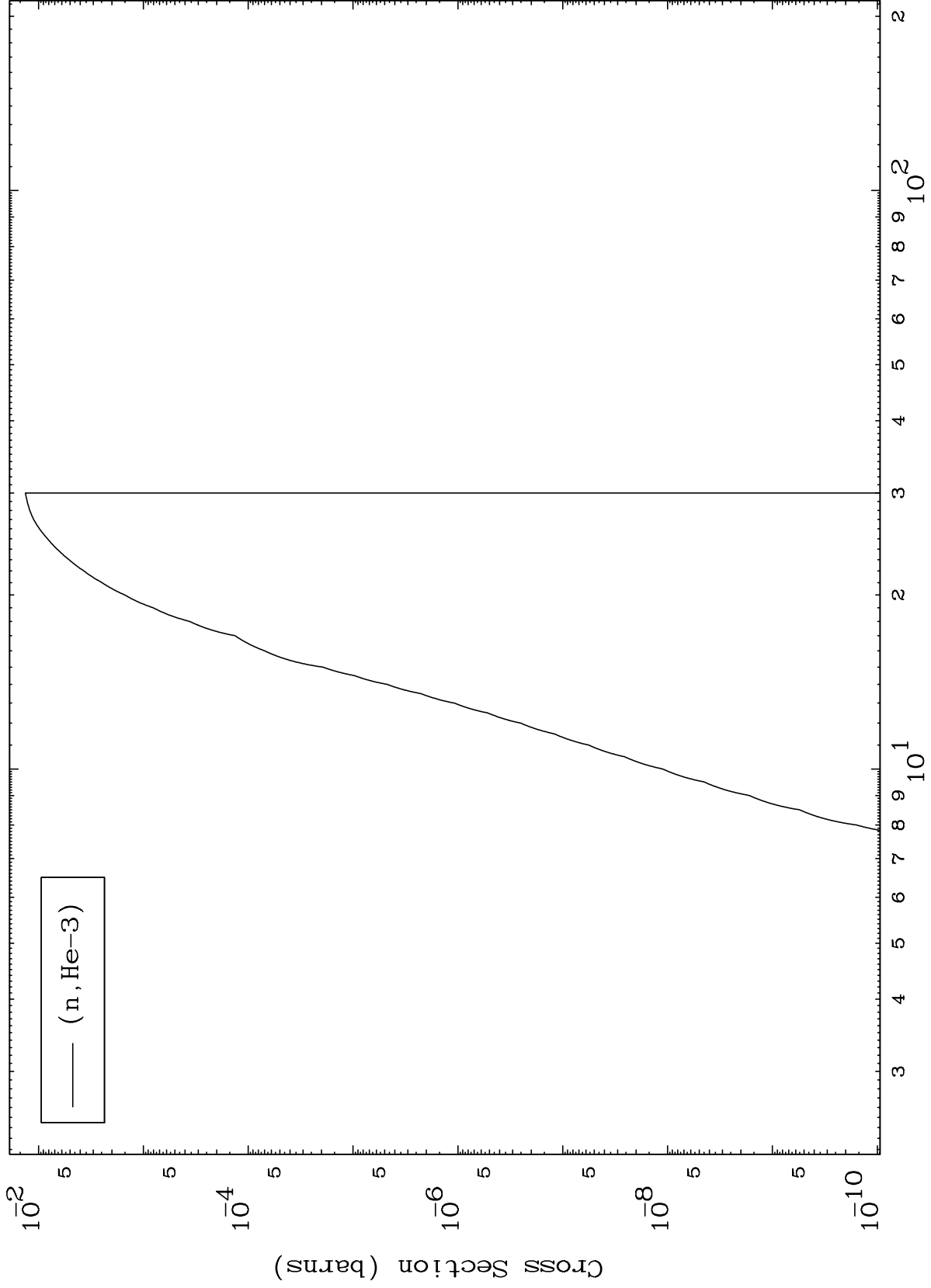
Incident Energy (MeV)

40-Zr-84

MAT 4007

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-84



13

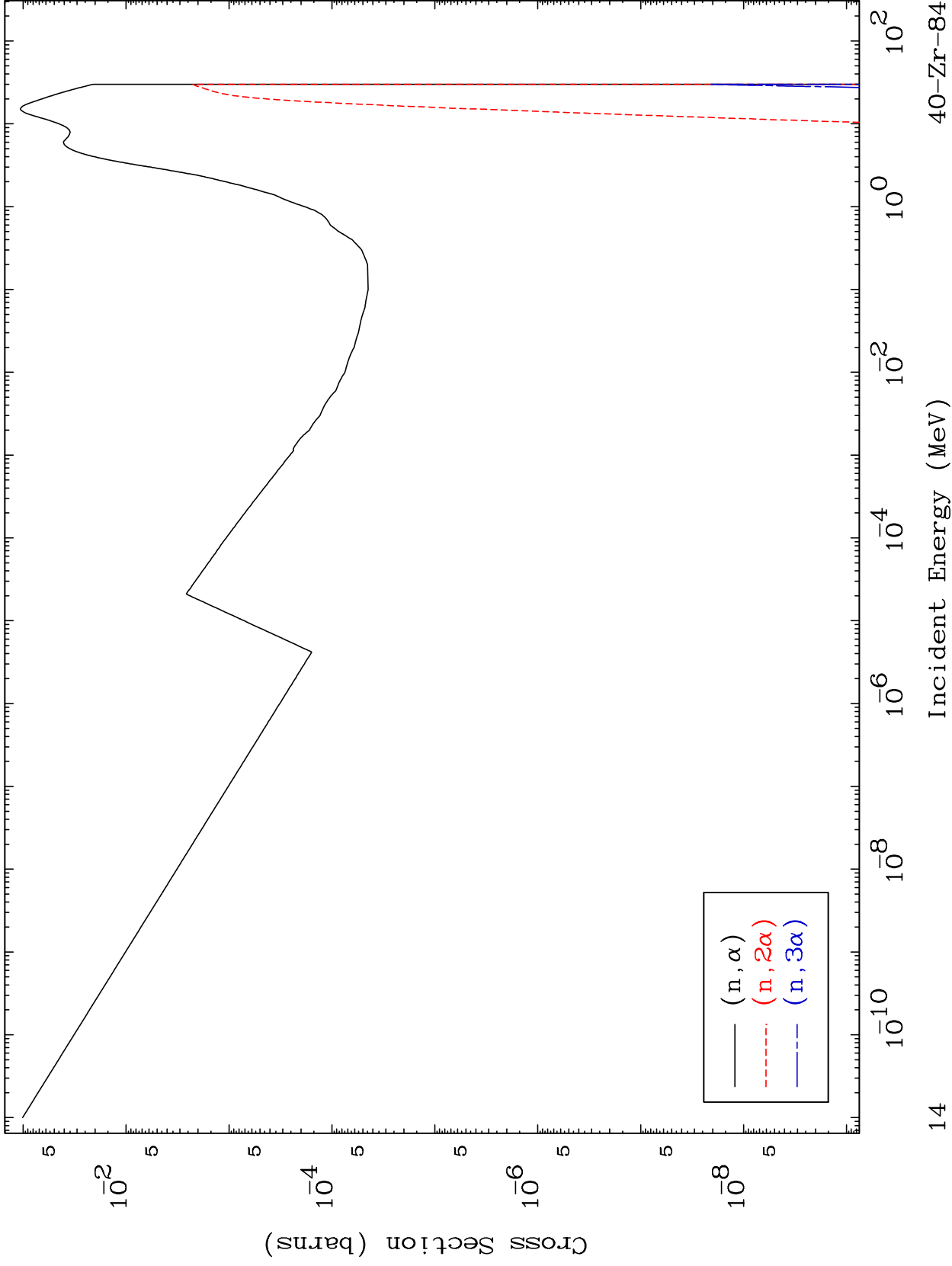
Incident Energy (MeV)

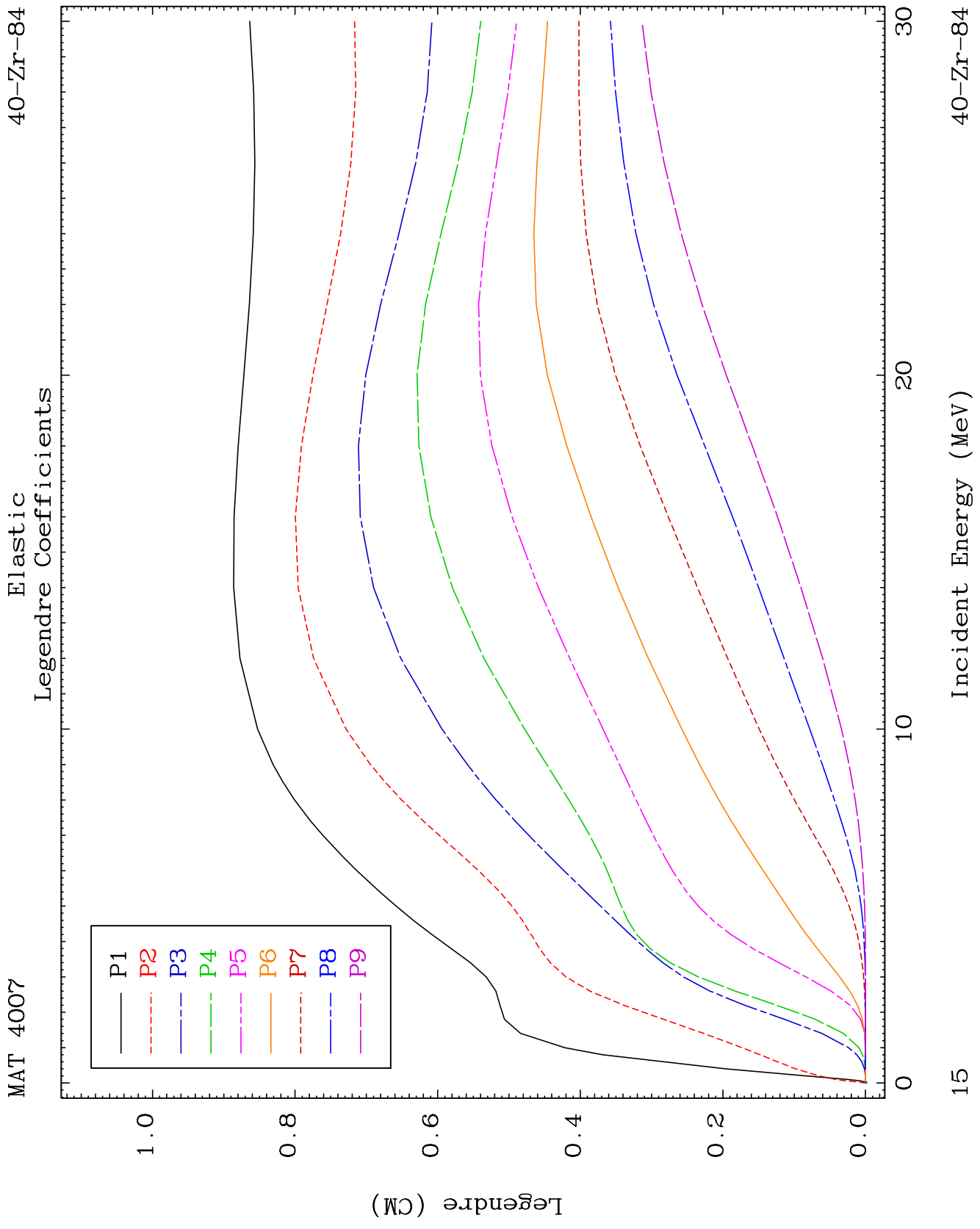
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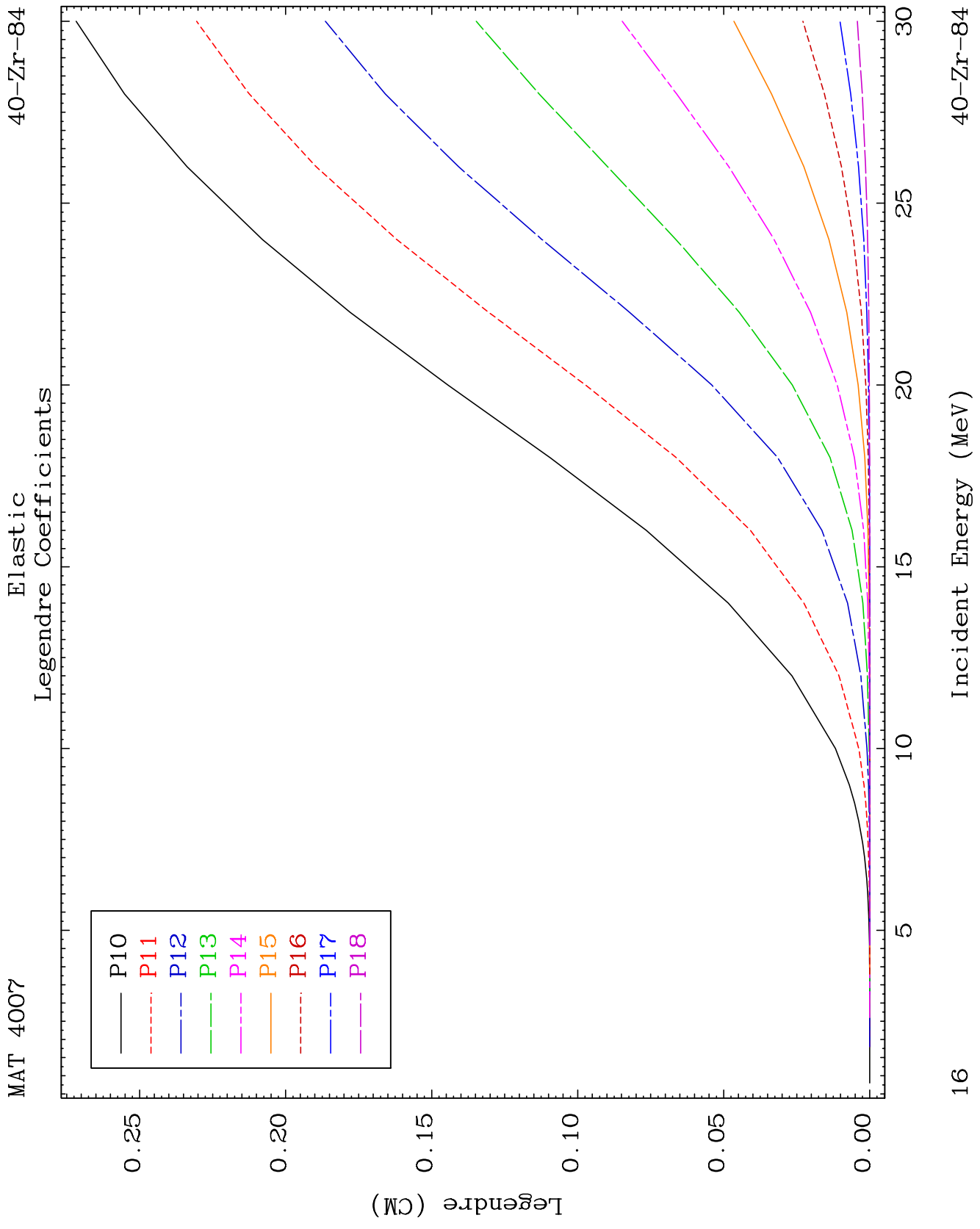
MAT 4007

(n, α) Levels
293 Kelvin Cross Sections

40-Zr-84



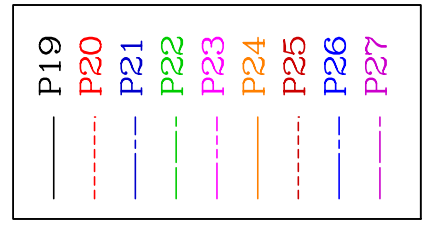




MAT 4007

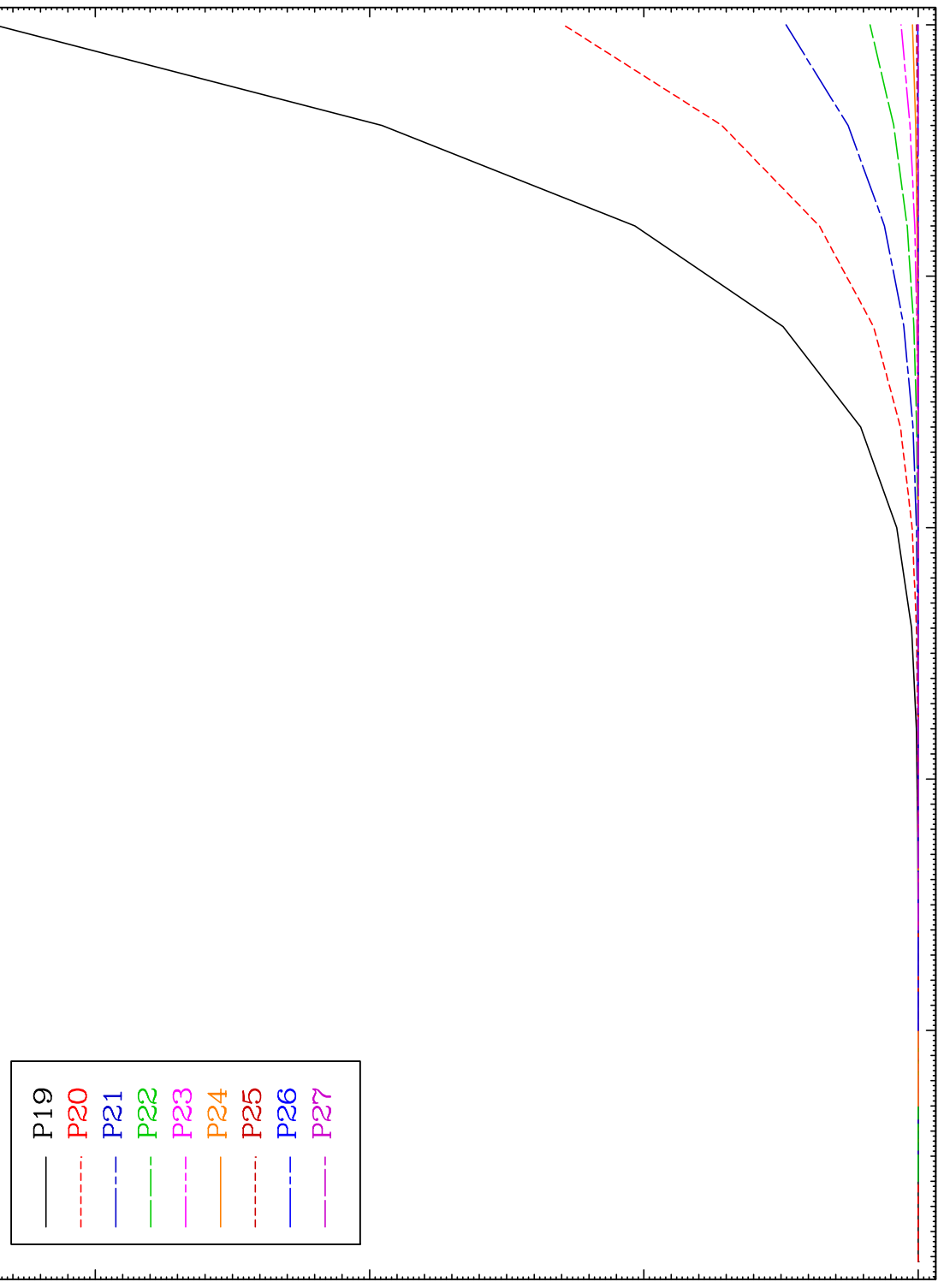
Elastic Legendre Coefficients

40-Zr-84



$\times 10^{-3}$

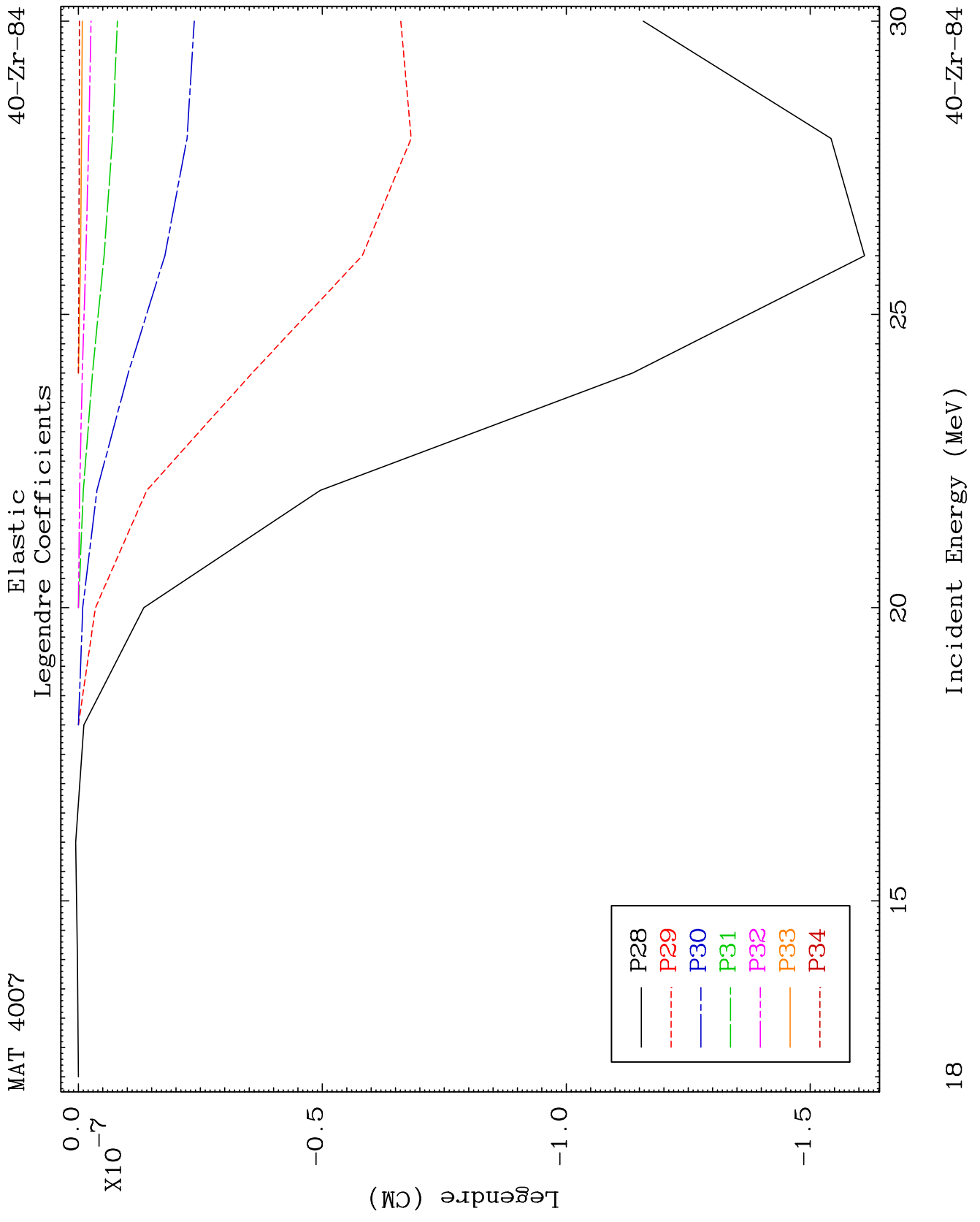
Legendre (CM)

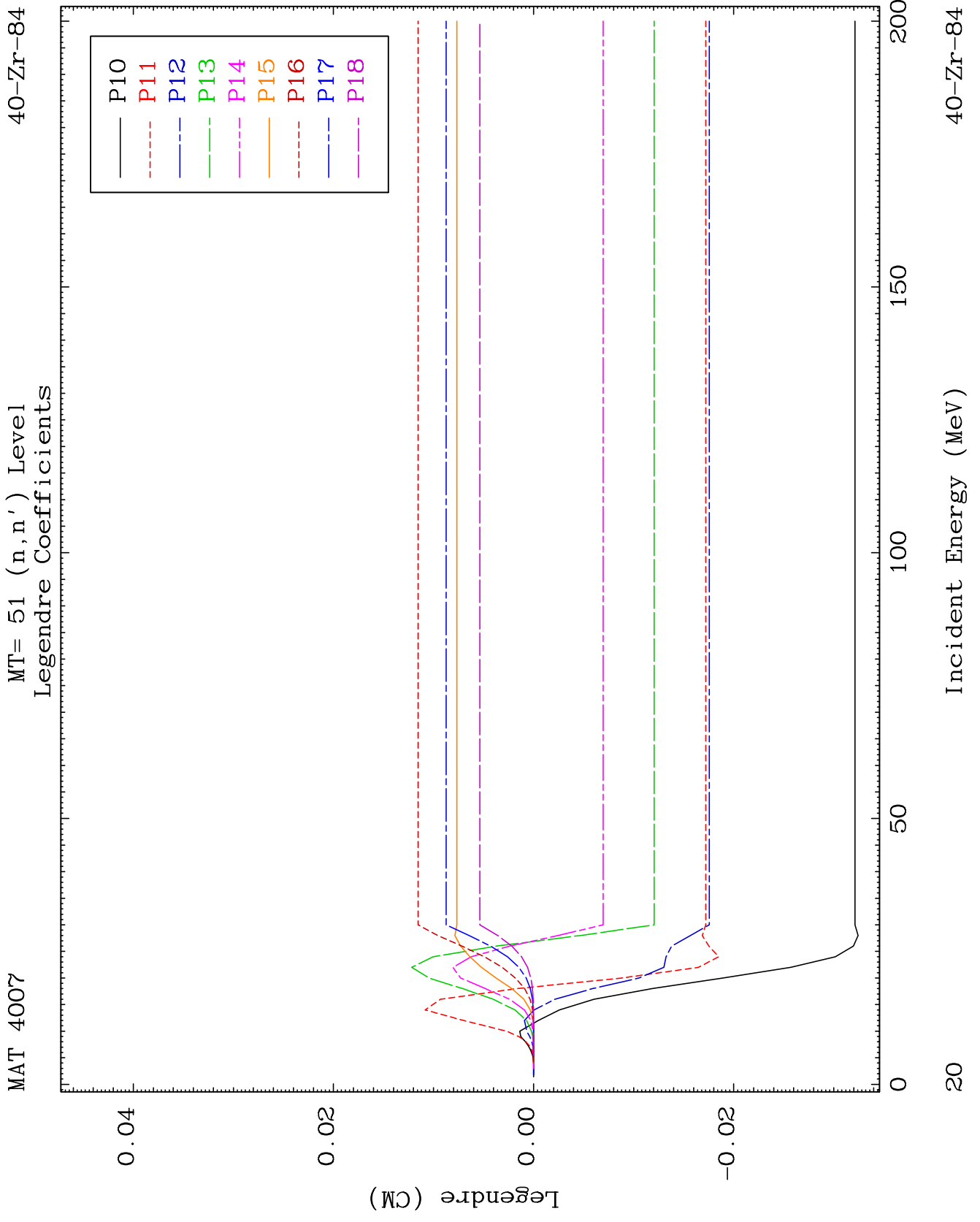


17

Incident Energy (MeV)

40-Zr-84

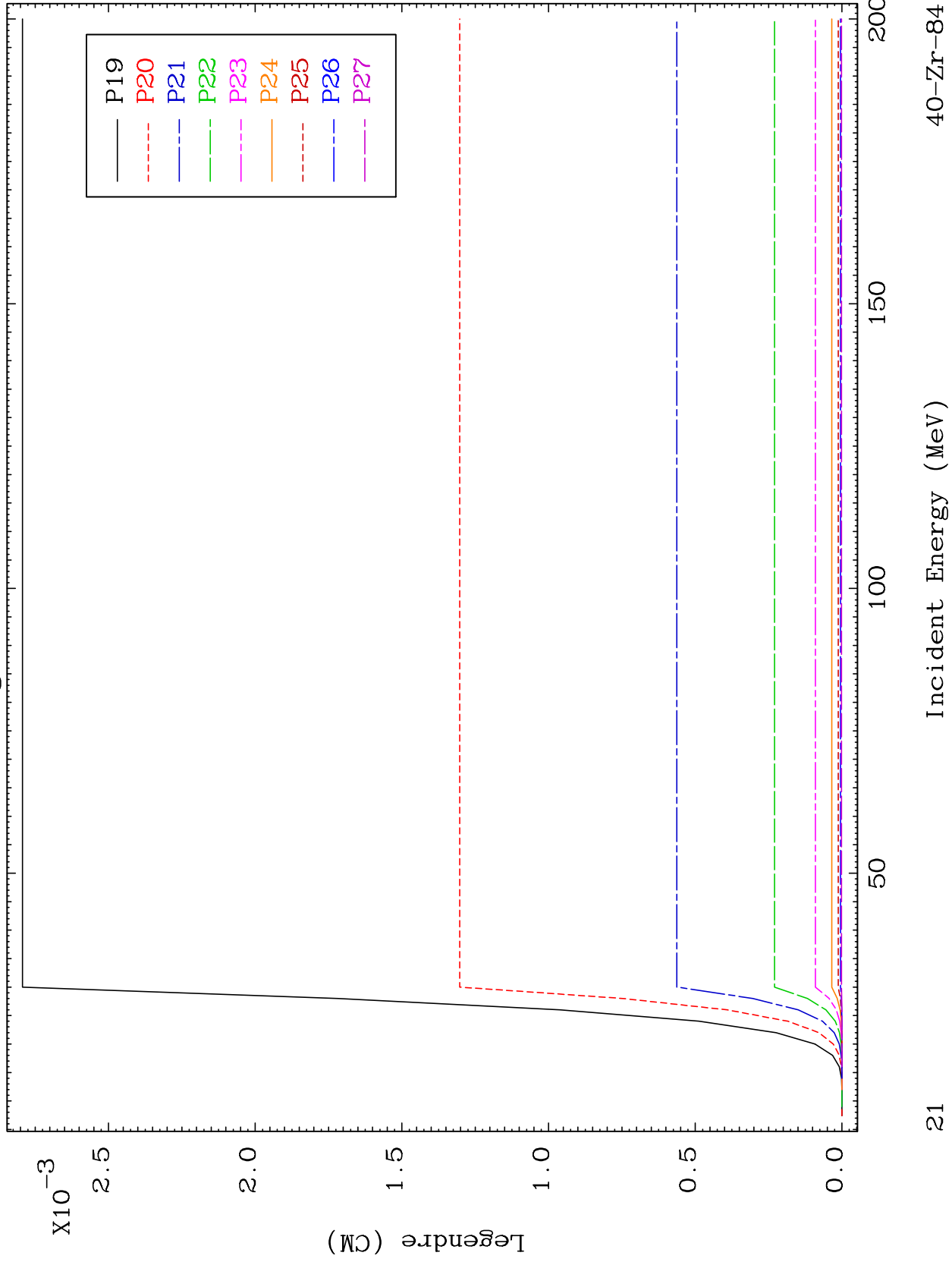




MAT 4007

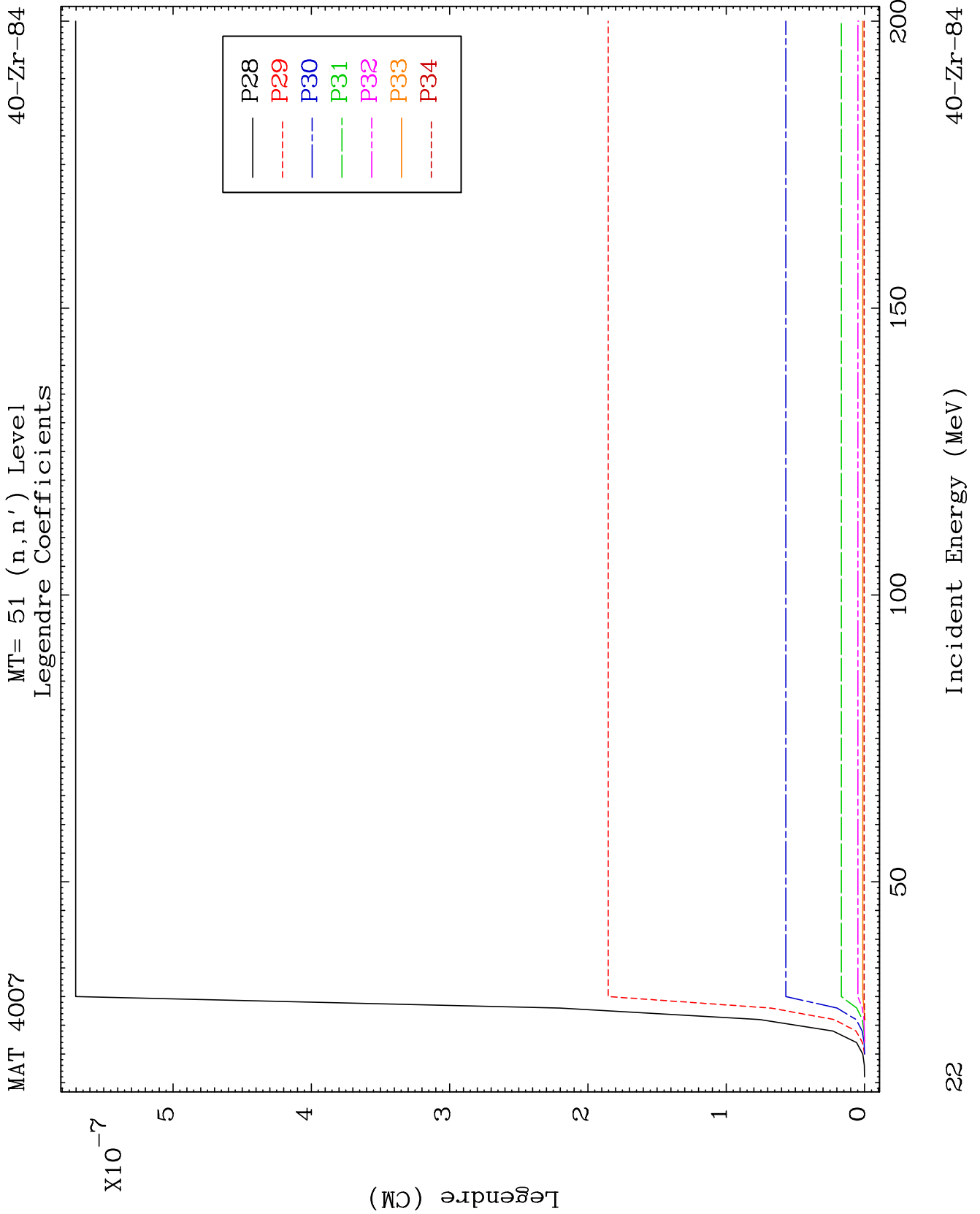
MT= 51 (n,n') Level
Legendre Coefficients

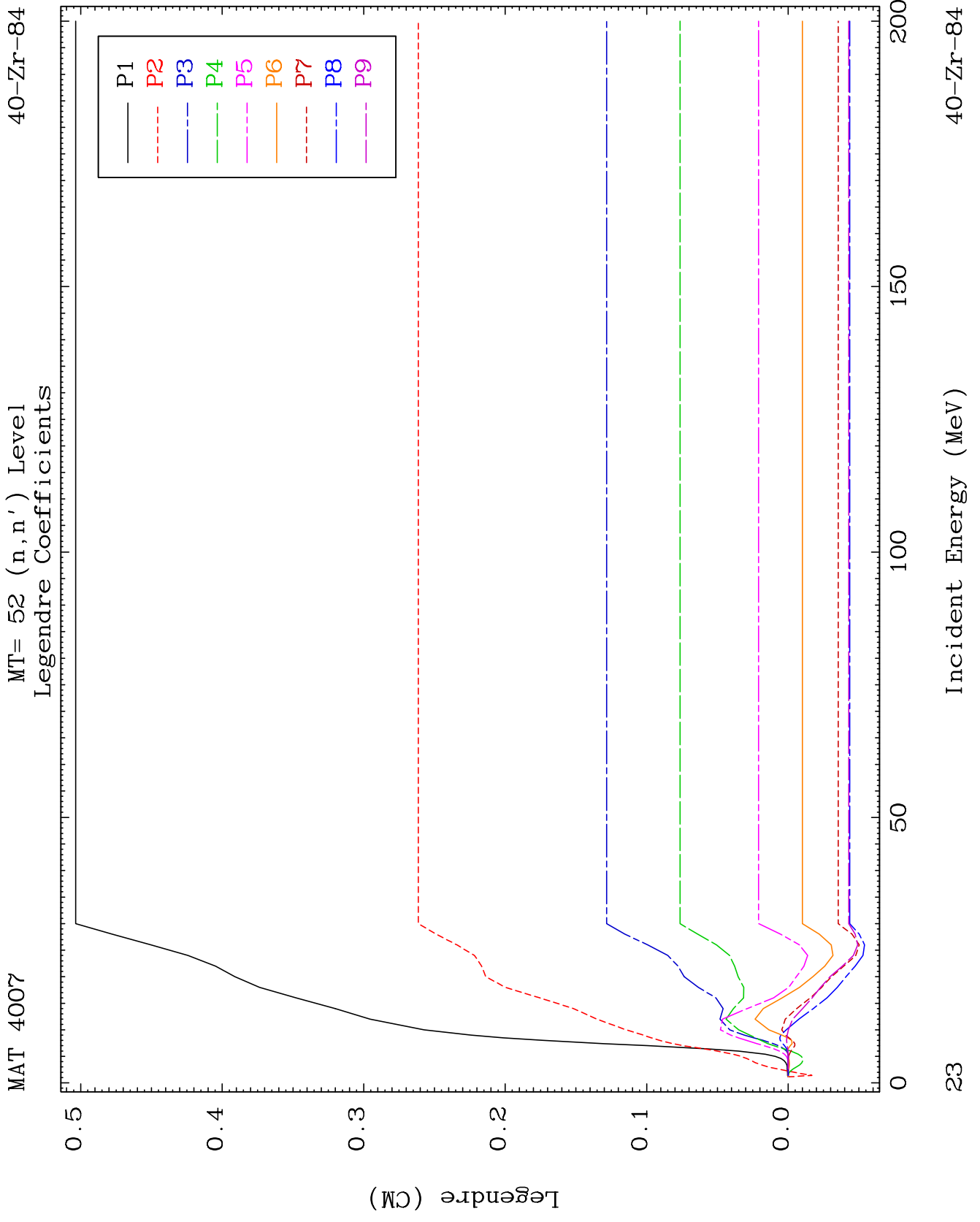
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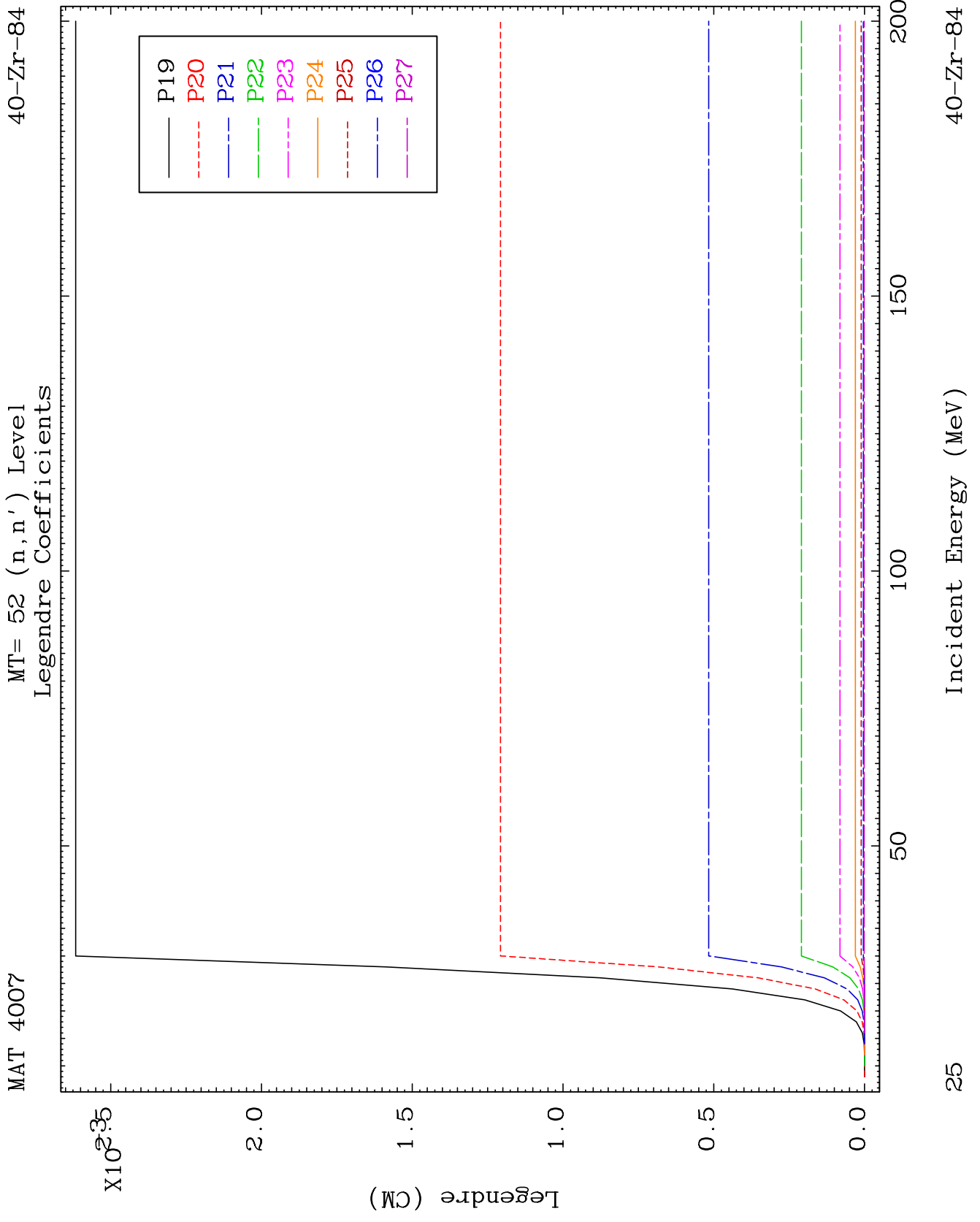


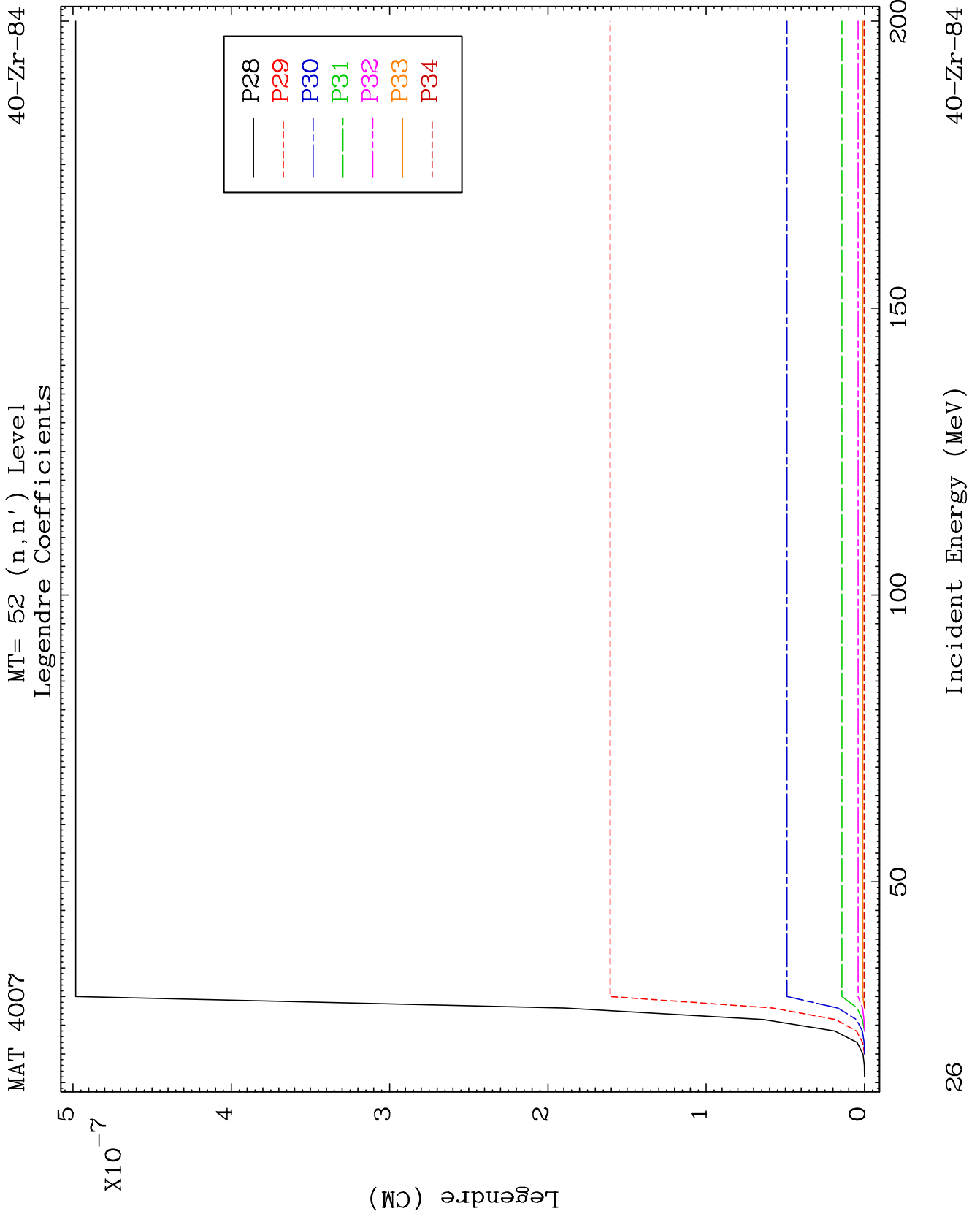
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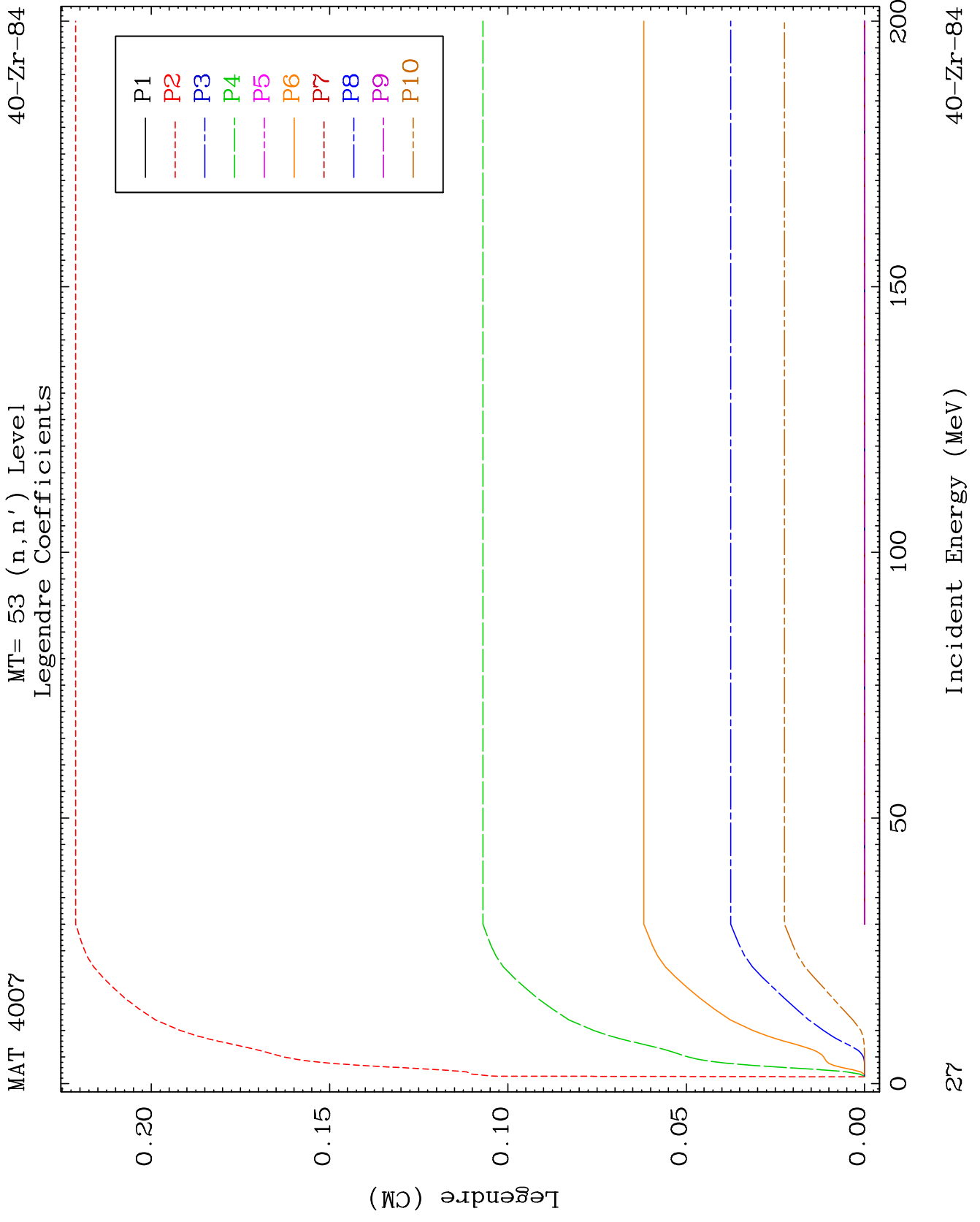
40-Zr-84

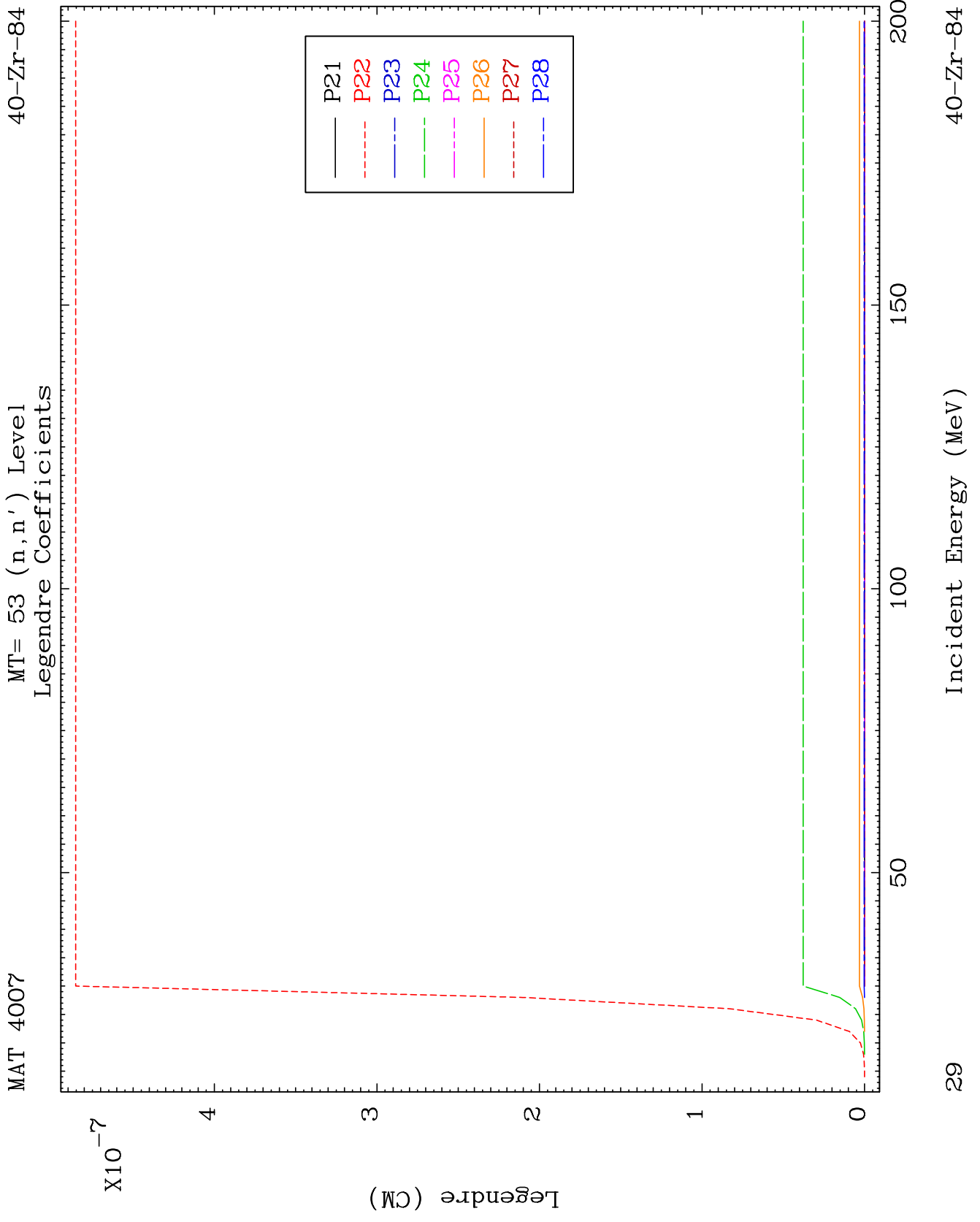


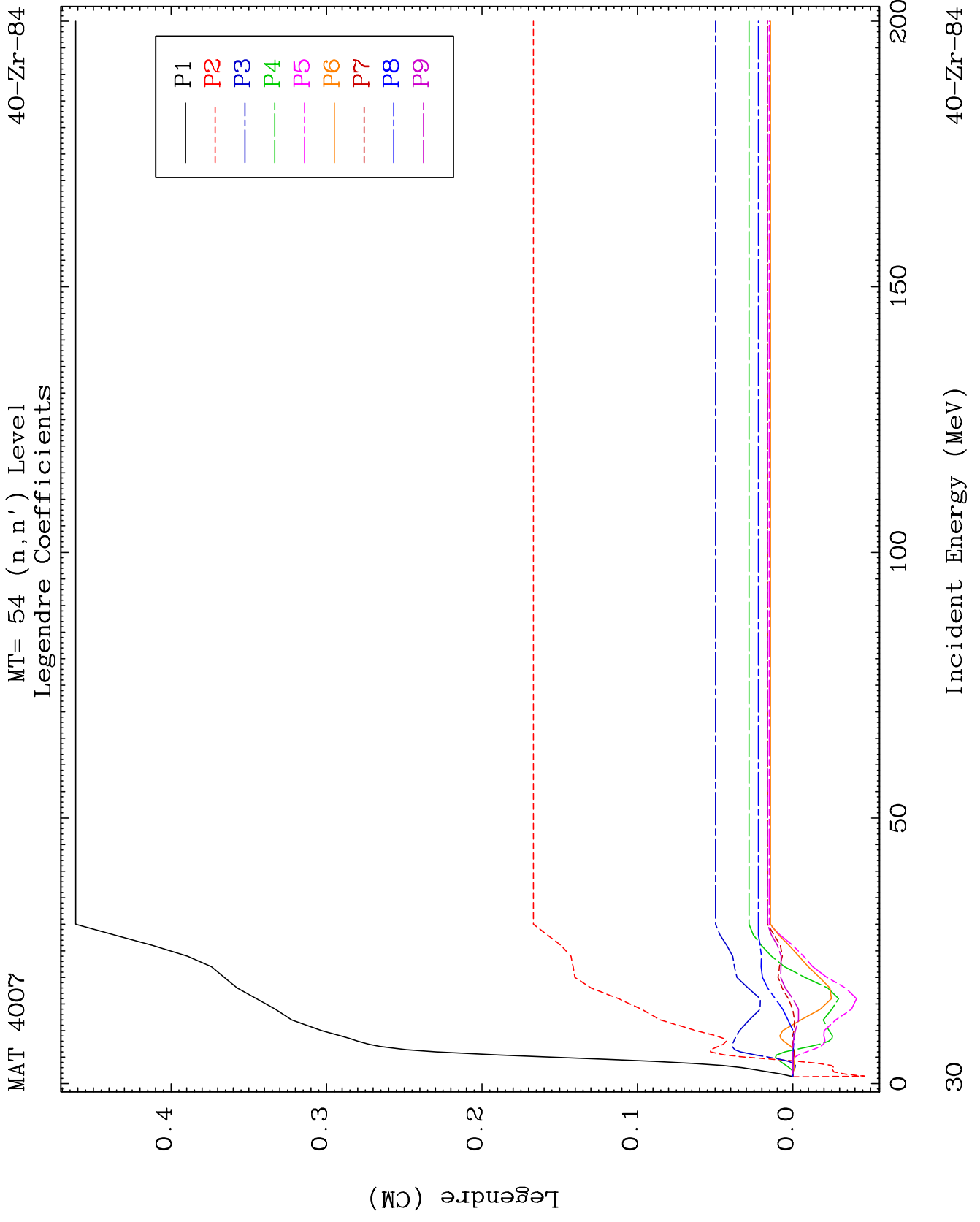








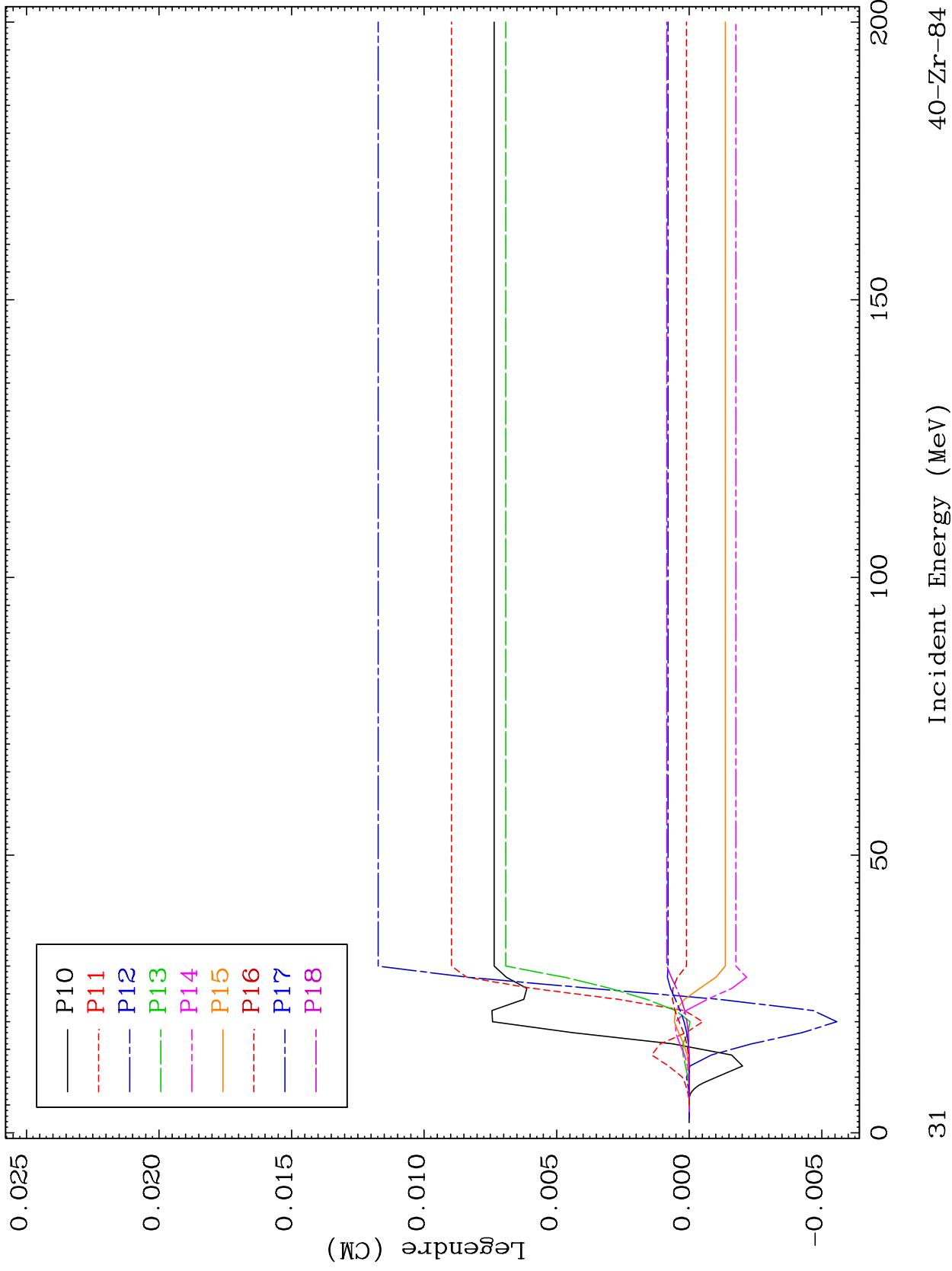


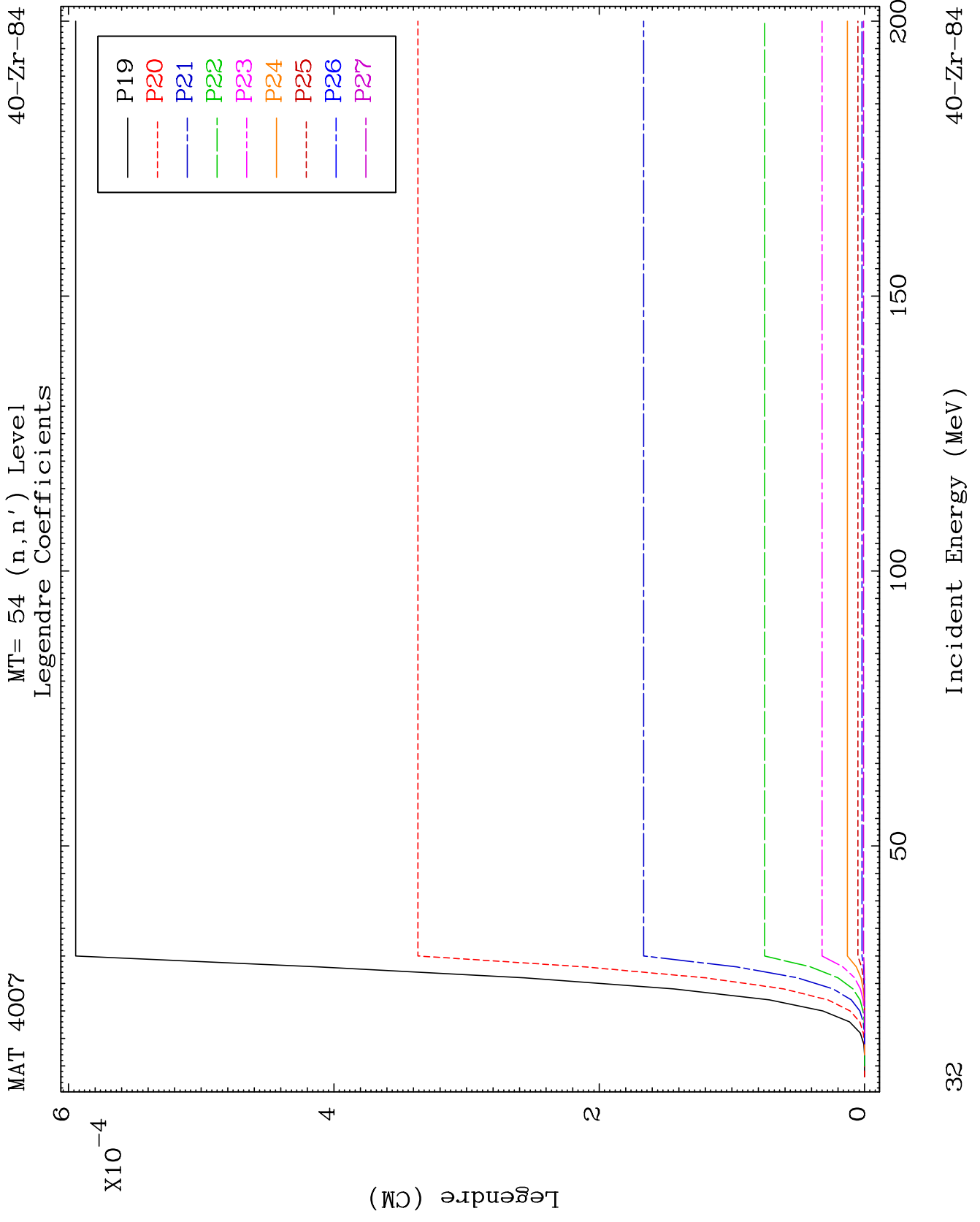


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MT= 54 (n,n') Level
Legendre Coefficients

40-Zr-84

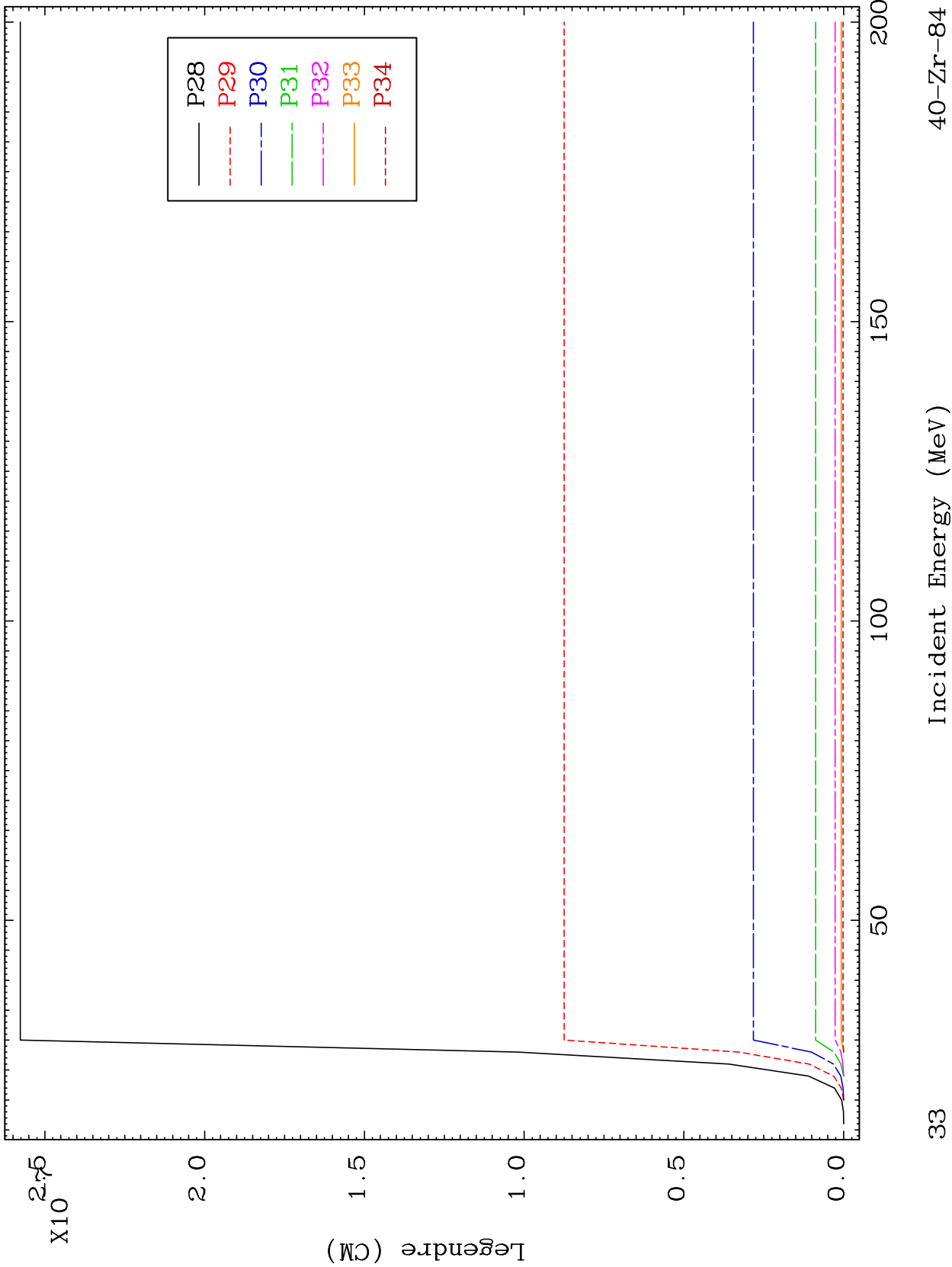




MAT 4007

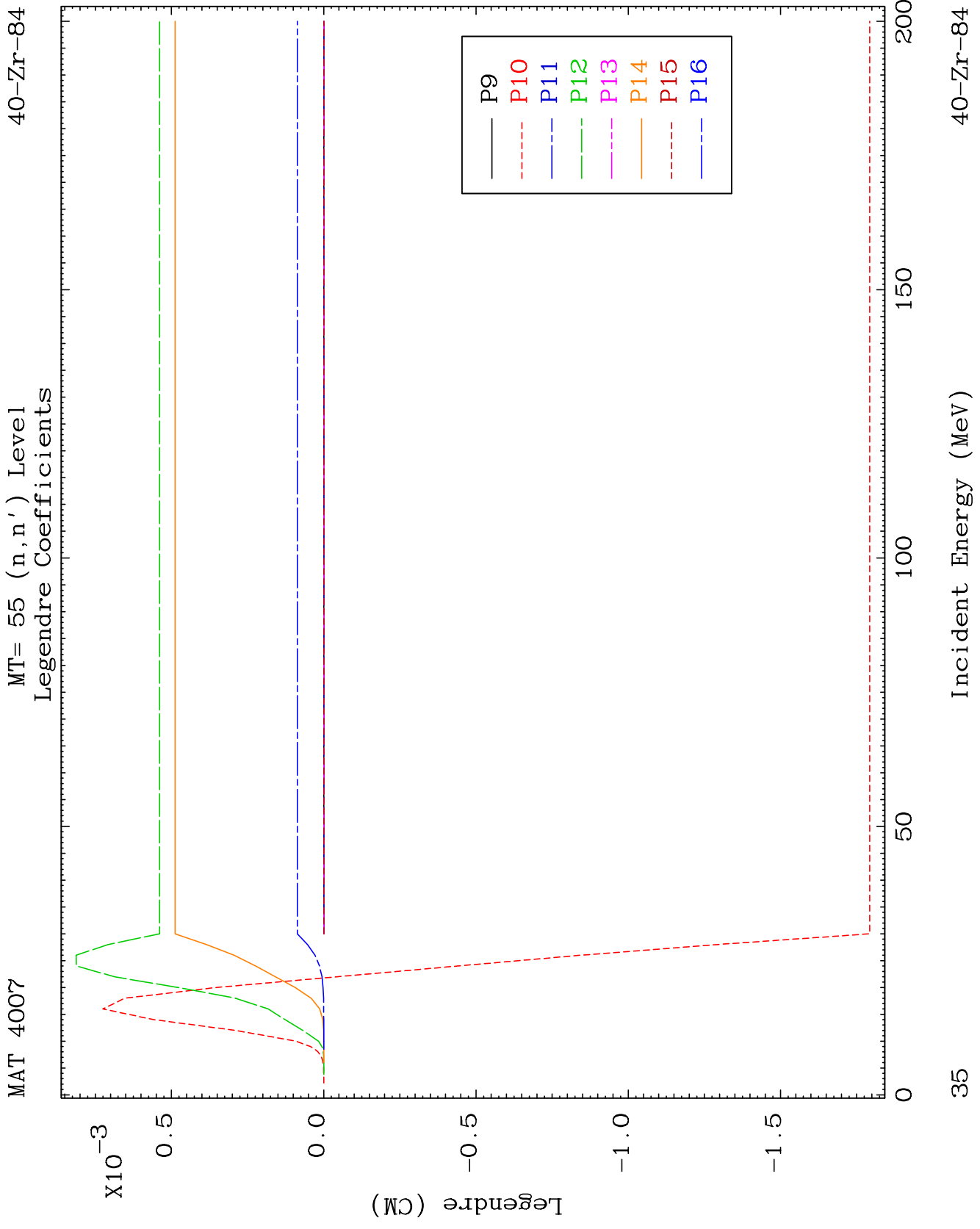
MT= 54 (n,n') Level
Legendre Coefficients

40-Zr-84



33

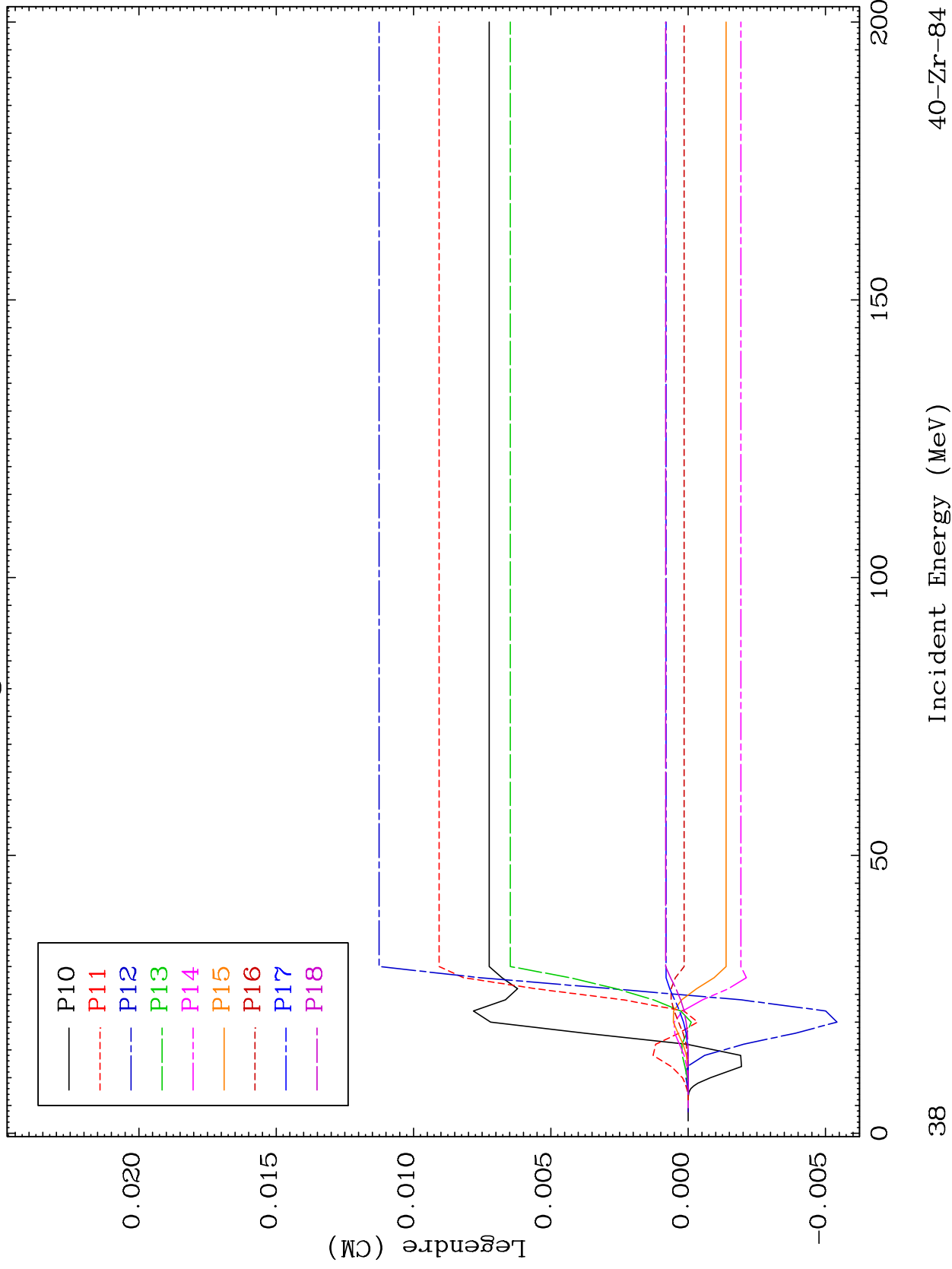
40-Zr-84



MAT 4007

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

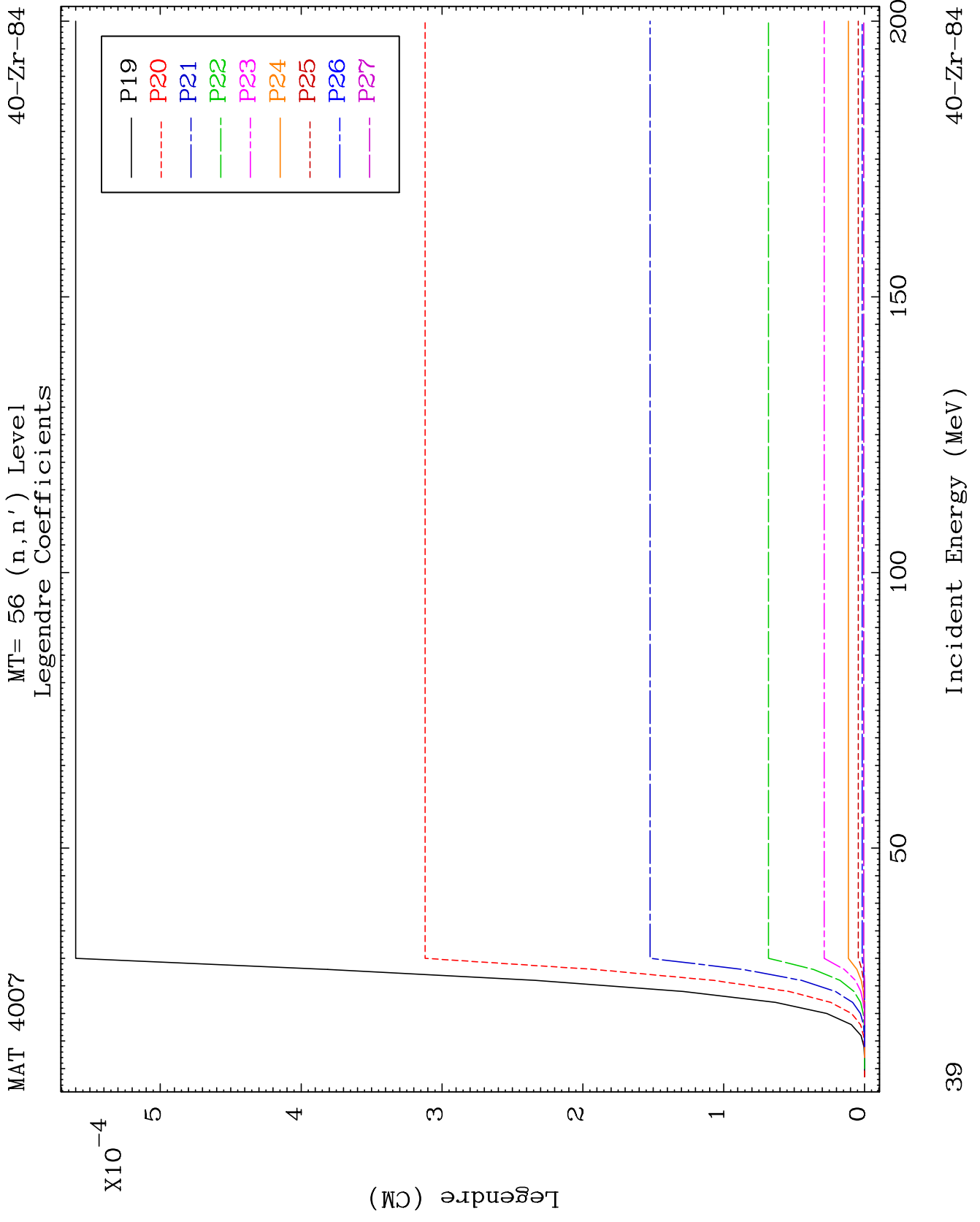
40-Zr-84



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Incident Energy (MeV)

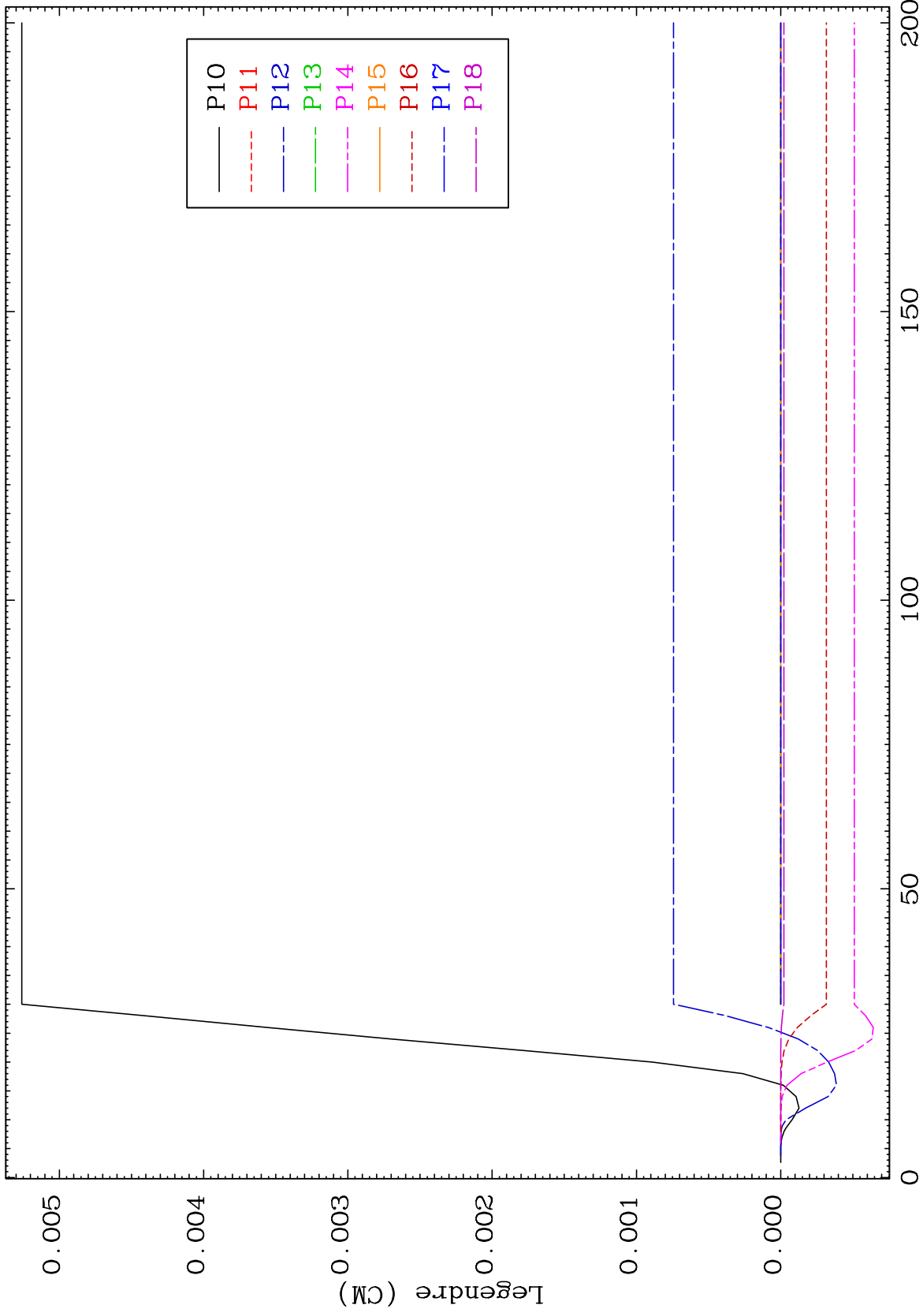
40-Zr-84



MAT 4007

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

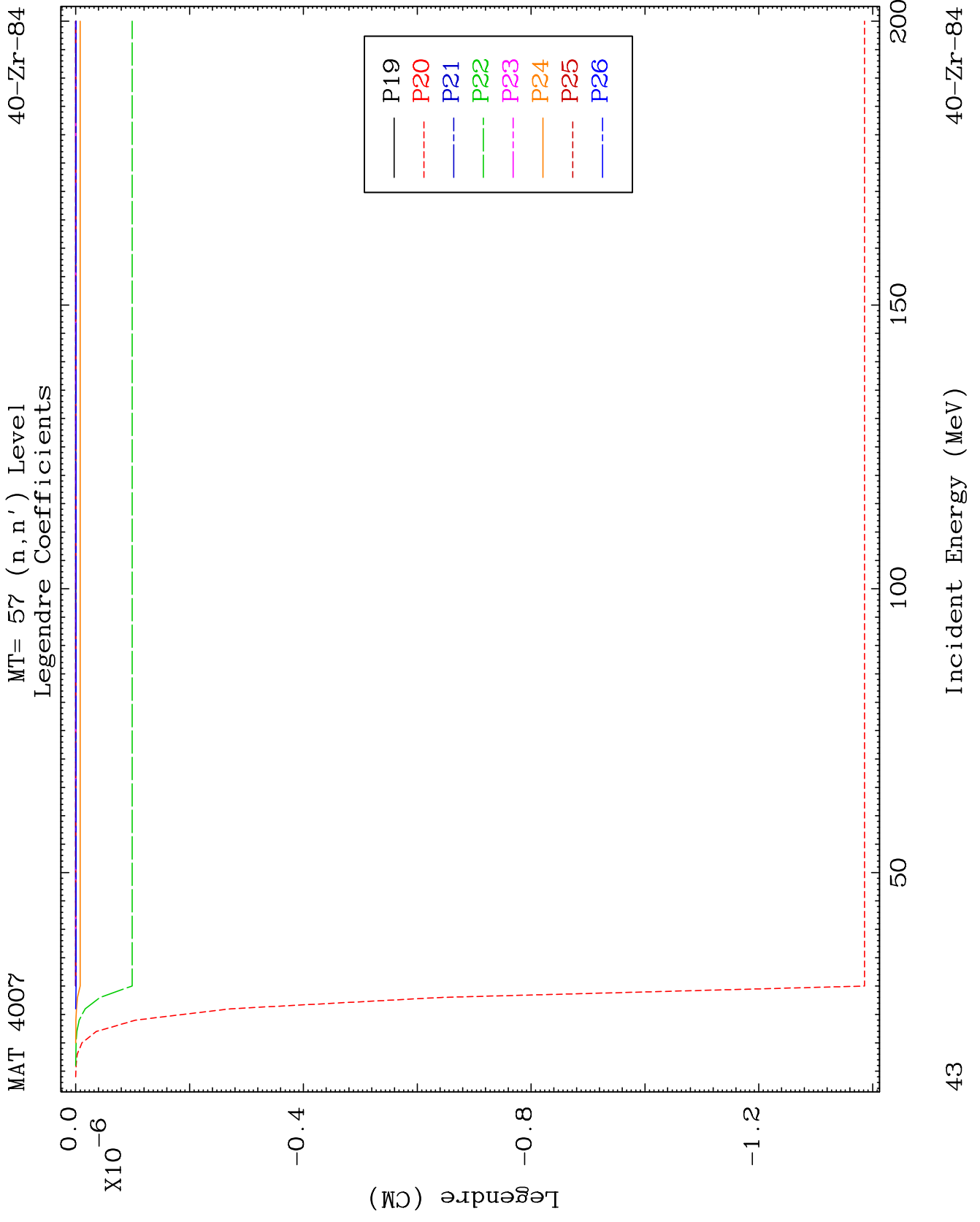
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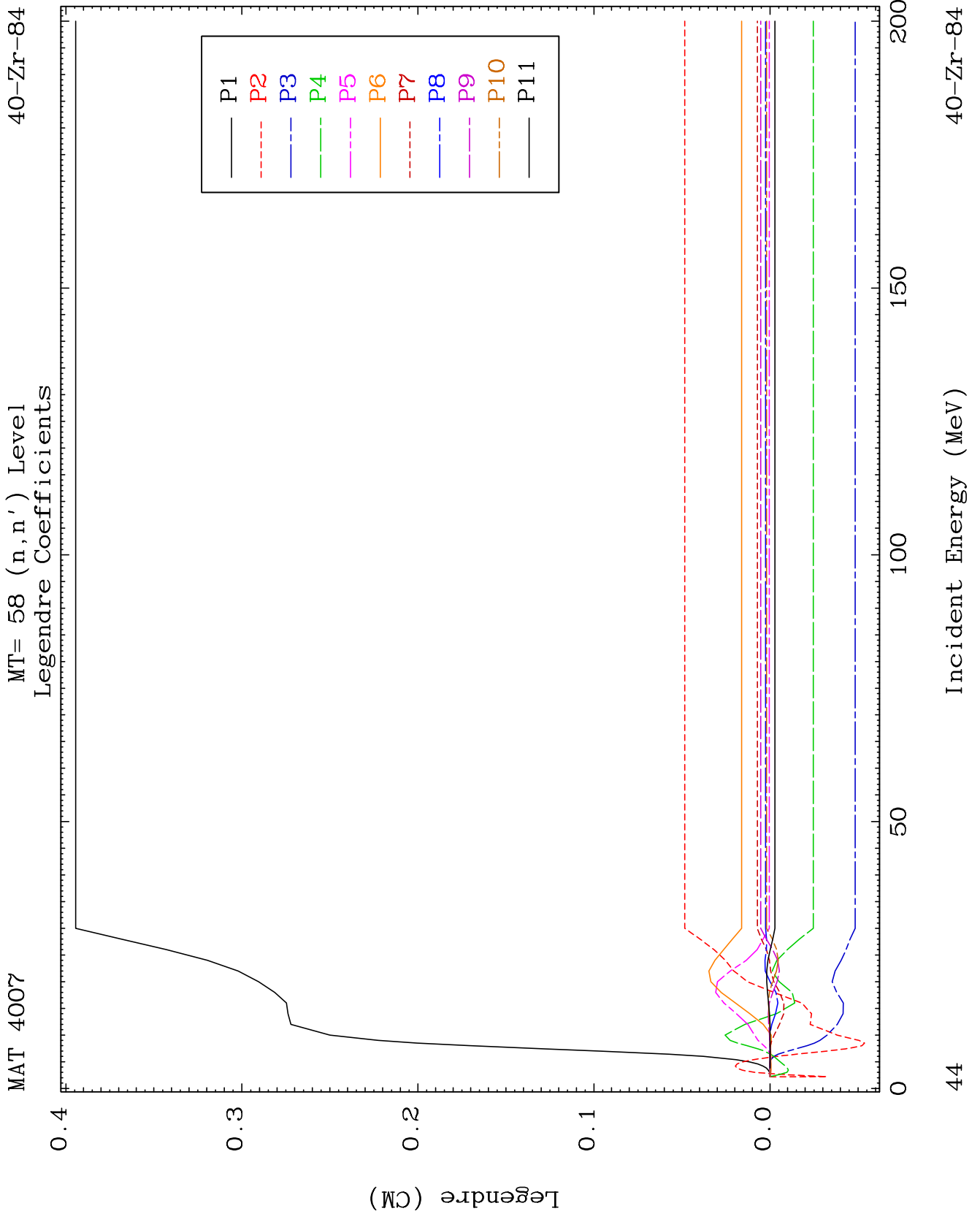


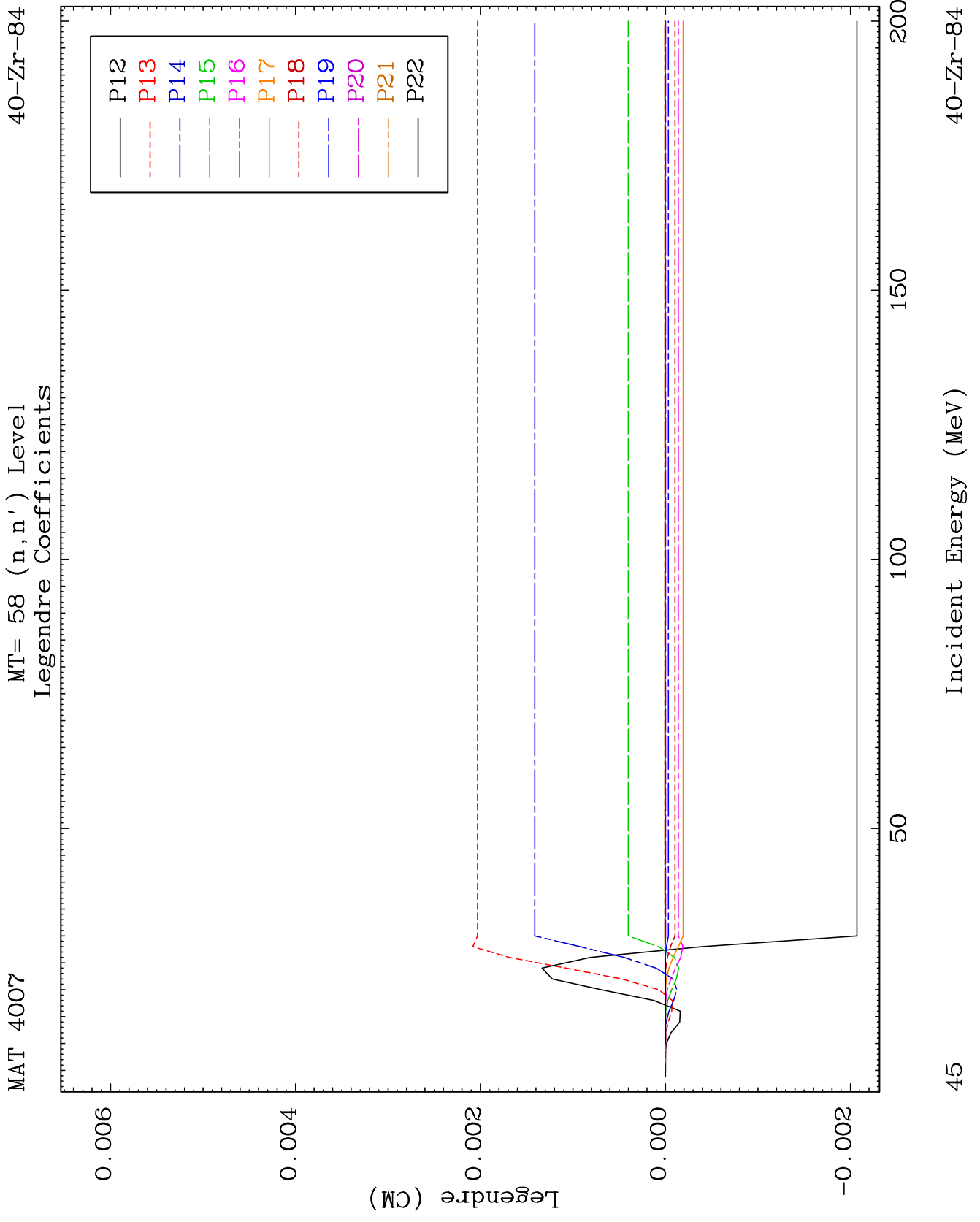
42

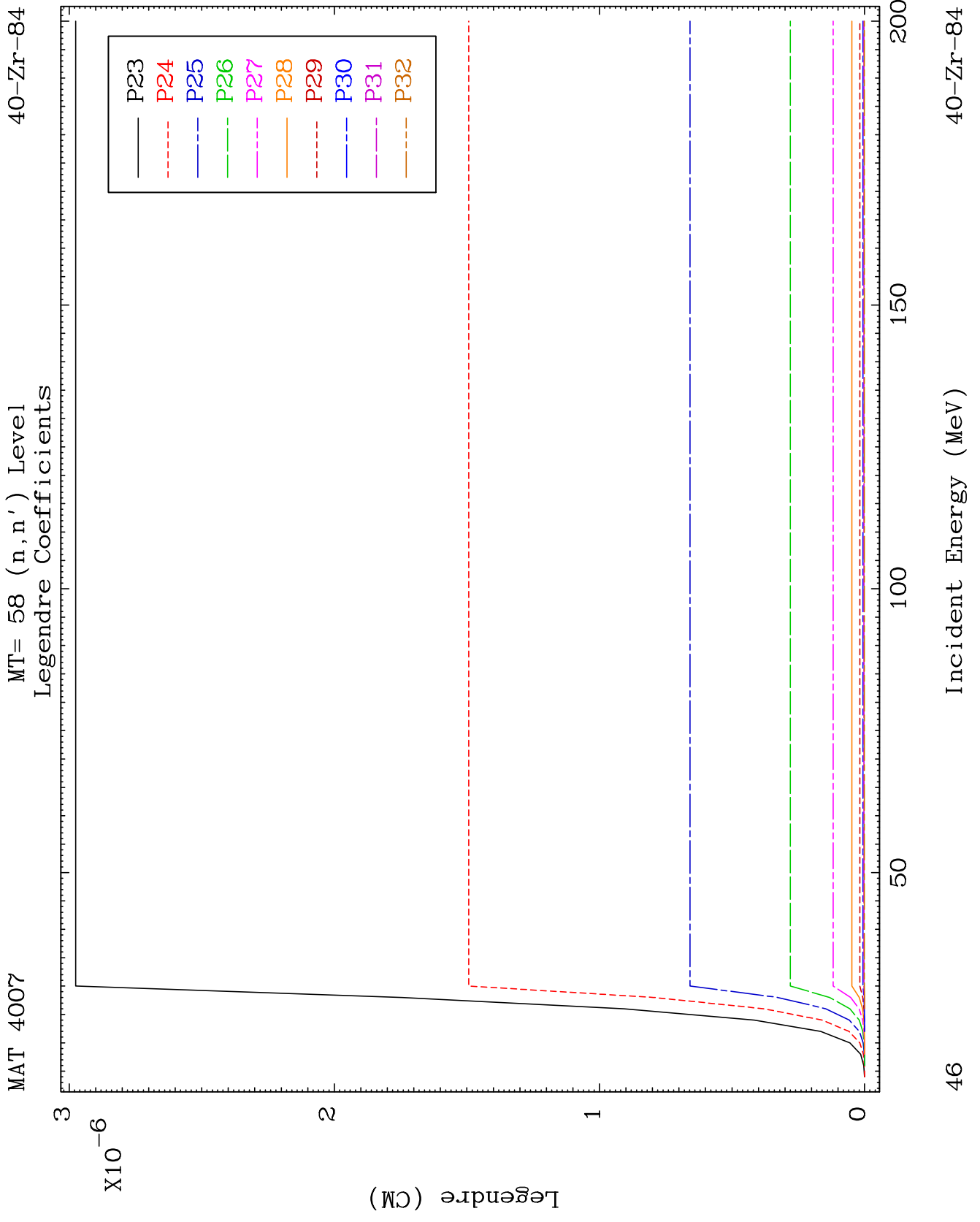
Incident Energy (MeV)

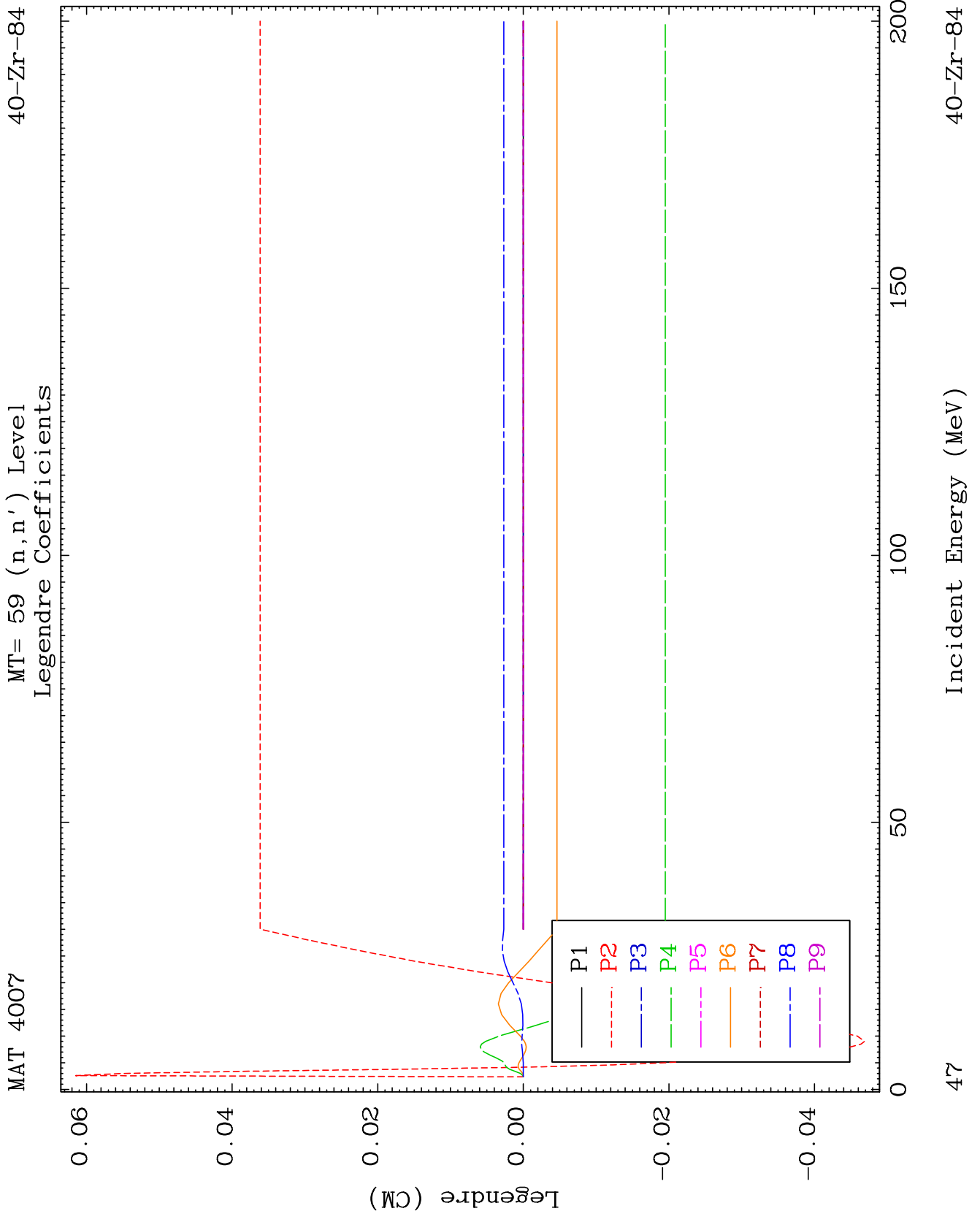
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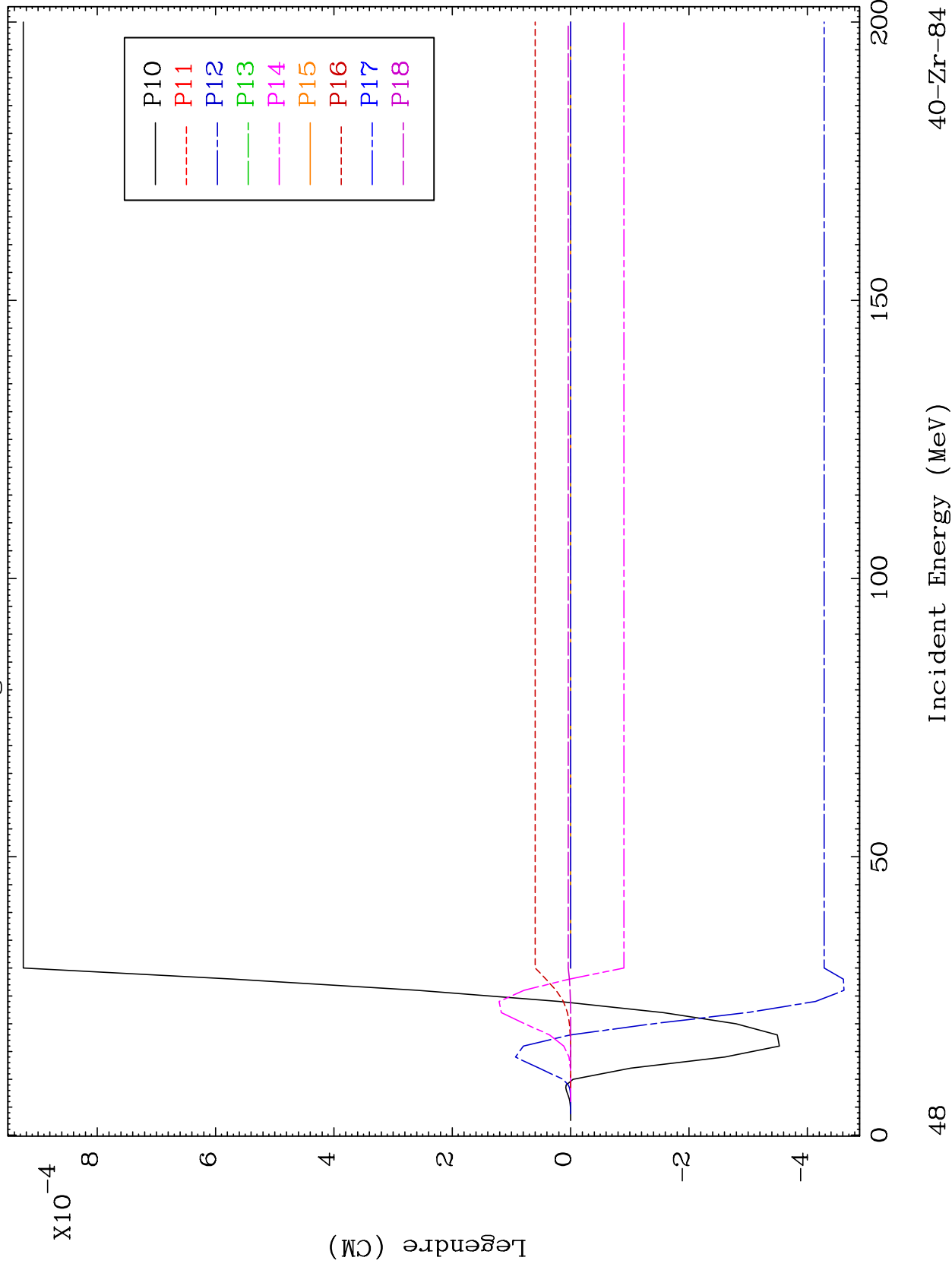




MAT 4007

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

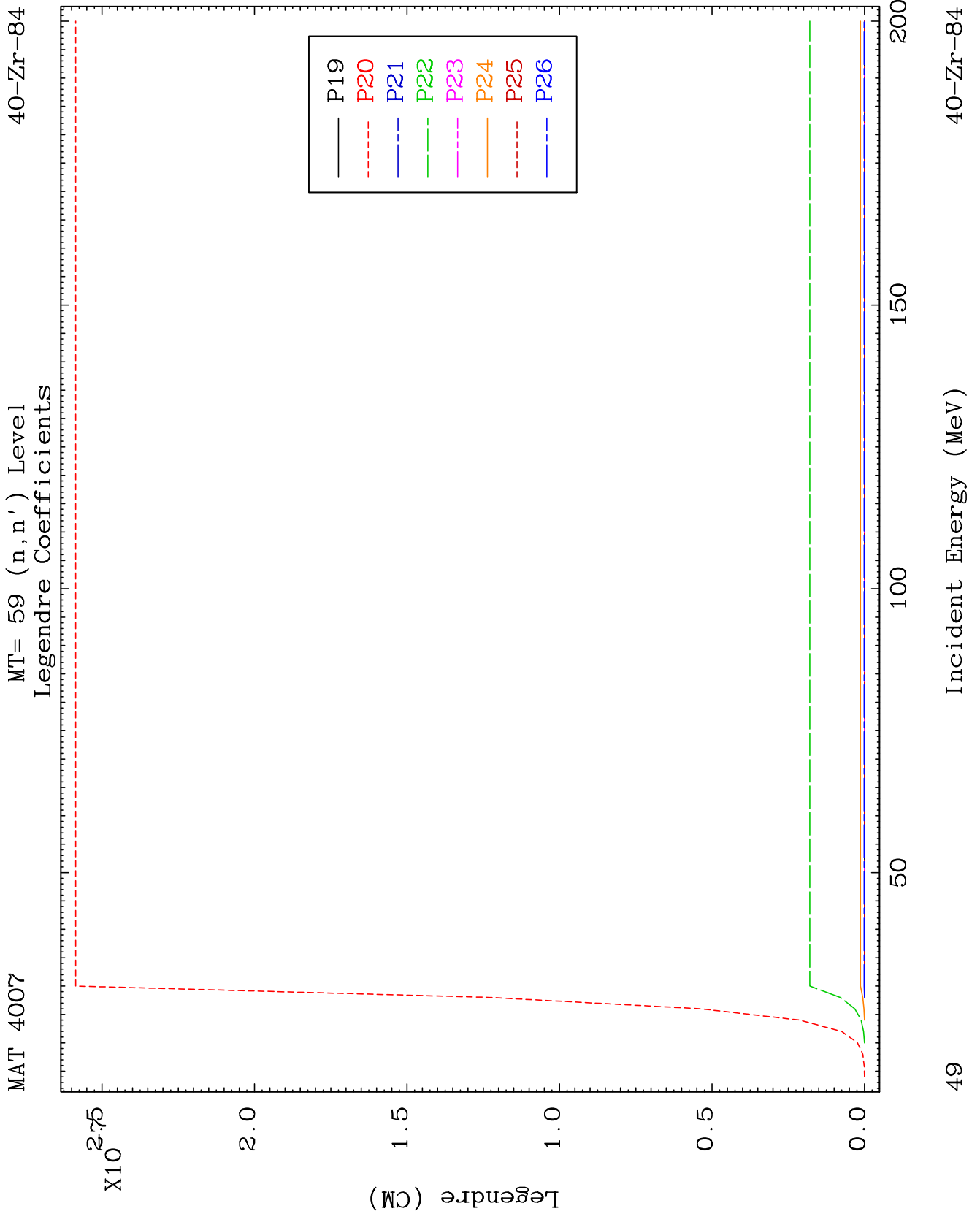
40-Zr-84



48

Incident Energy (MeV)

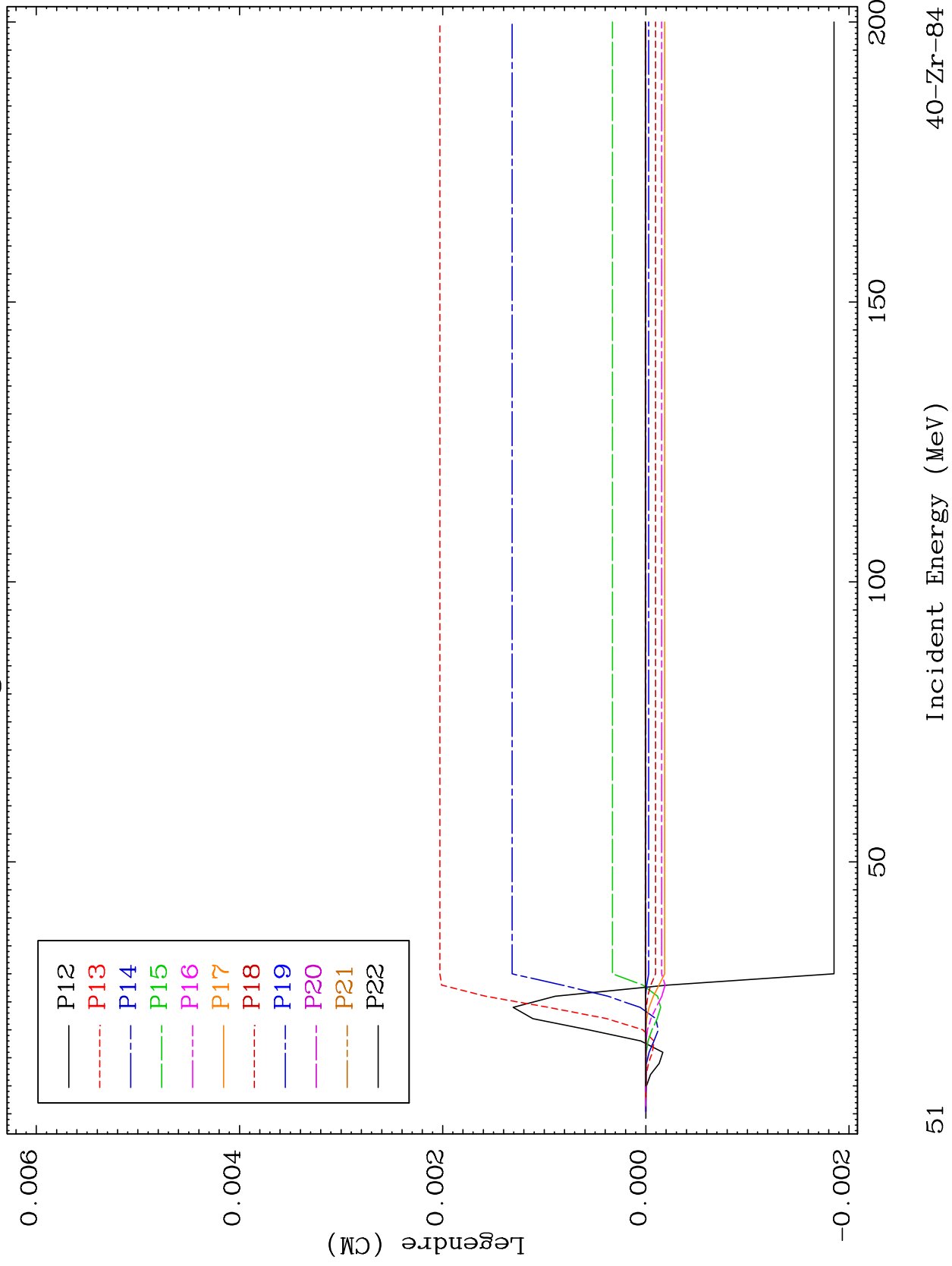
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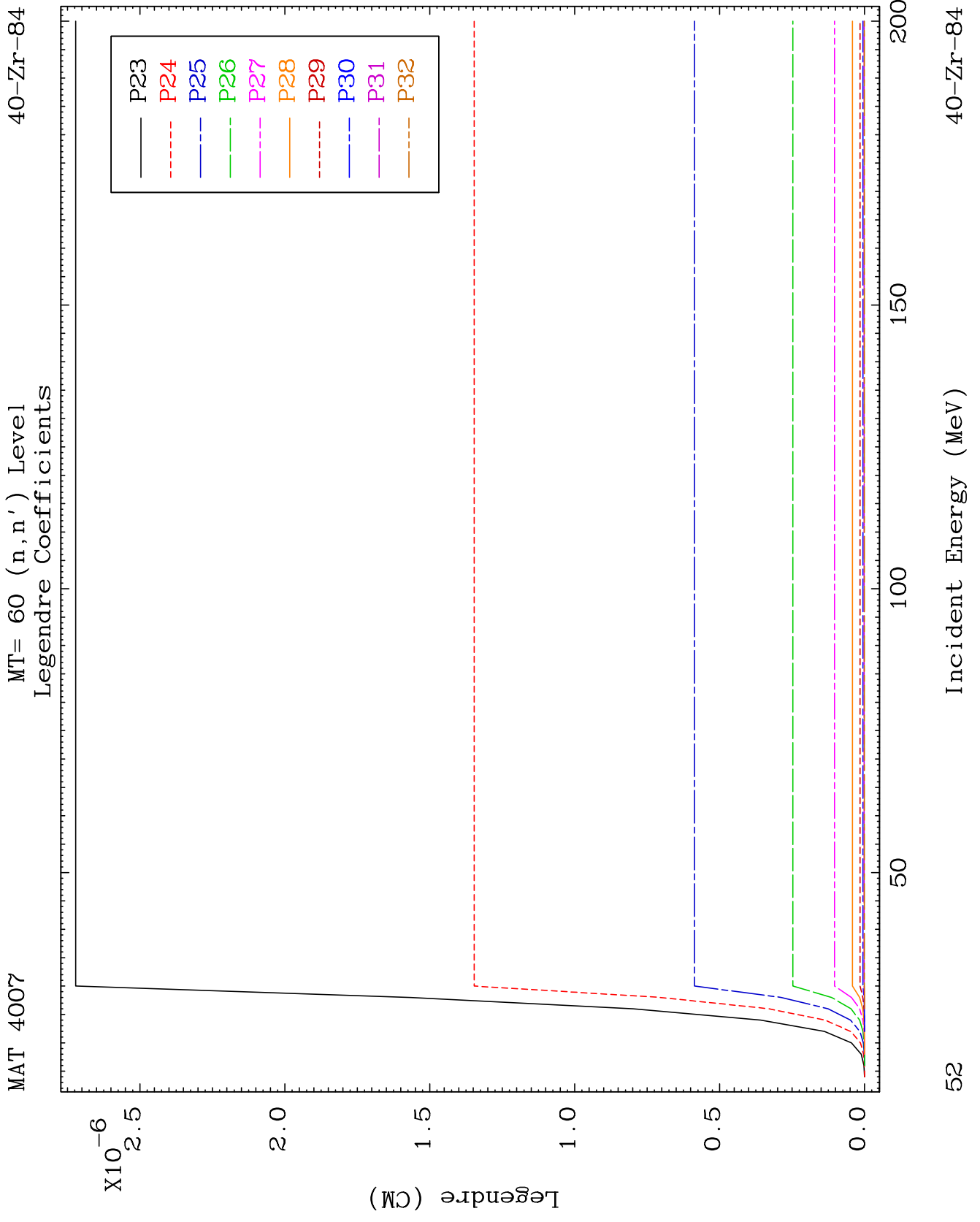


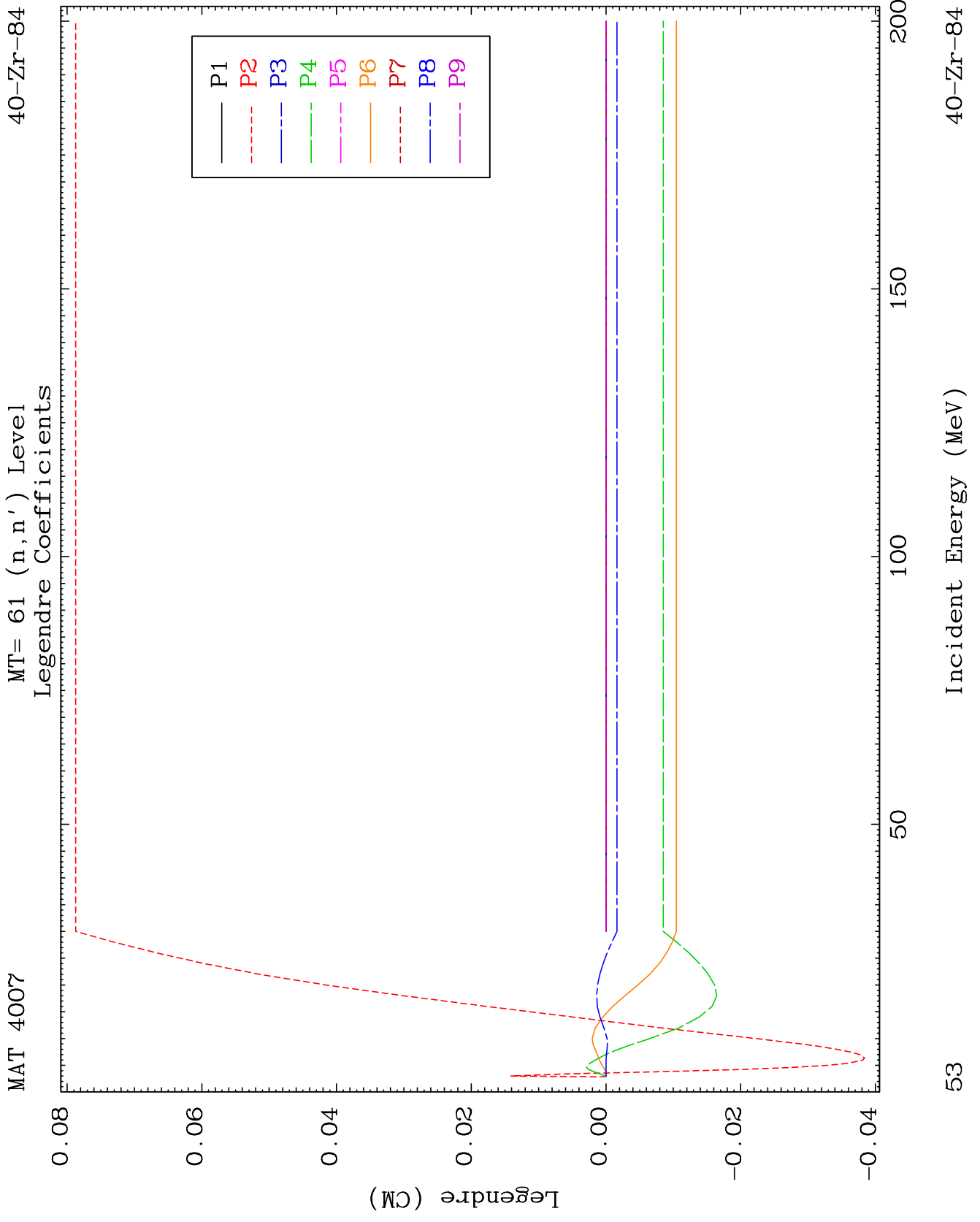
MAT 4007

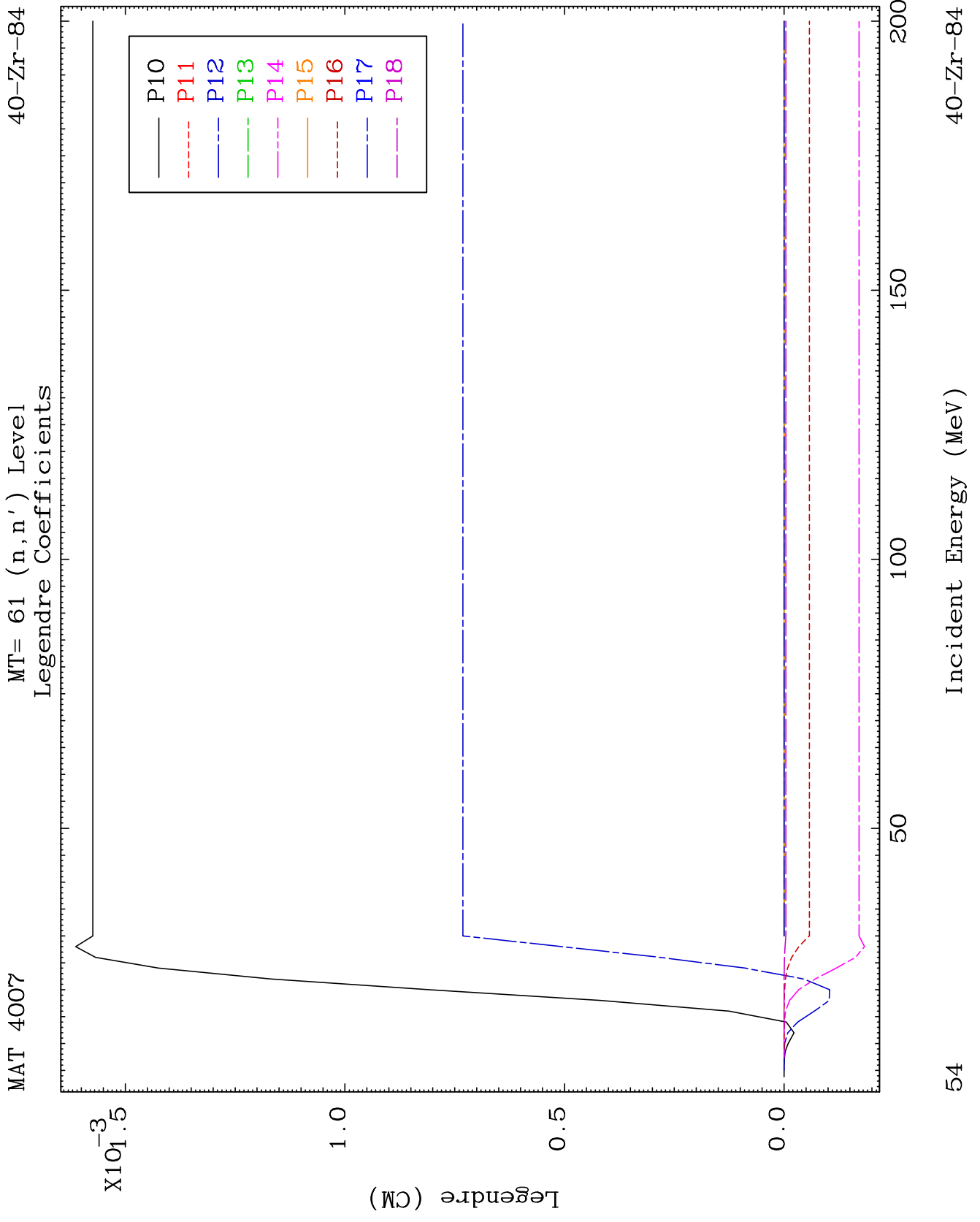
MT= 60 (n,n') Level
Legendre Coefficients

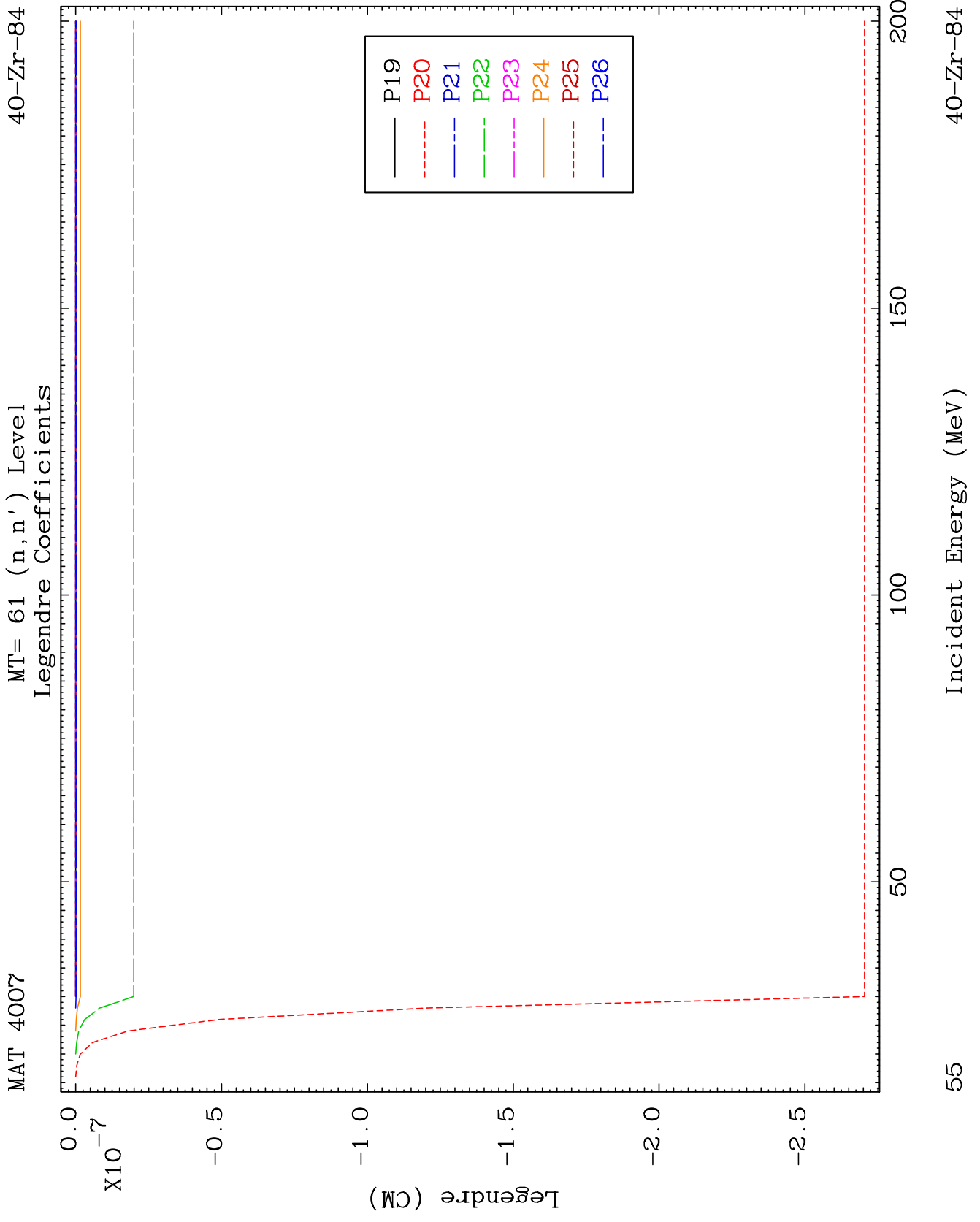
40-Zr-84









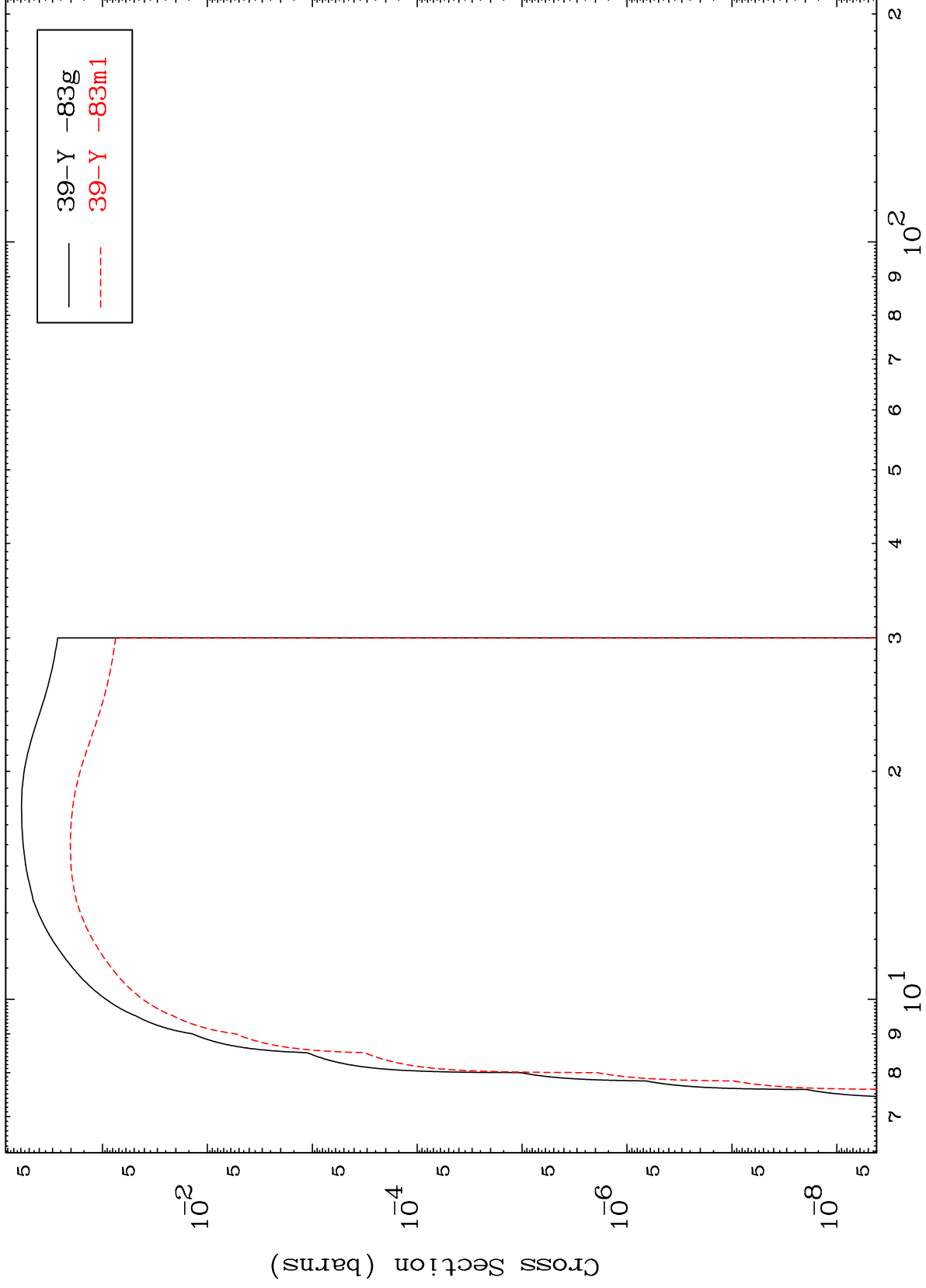


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(n,n') p

40-Zr-84

Radionuclide Production Cross Section



56

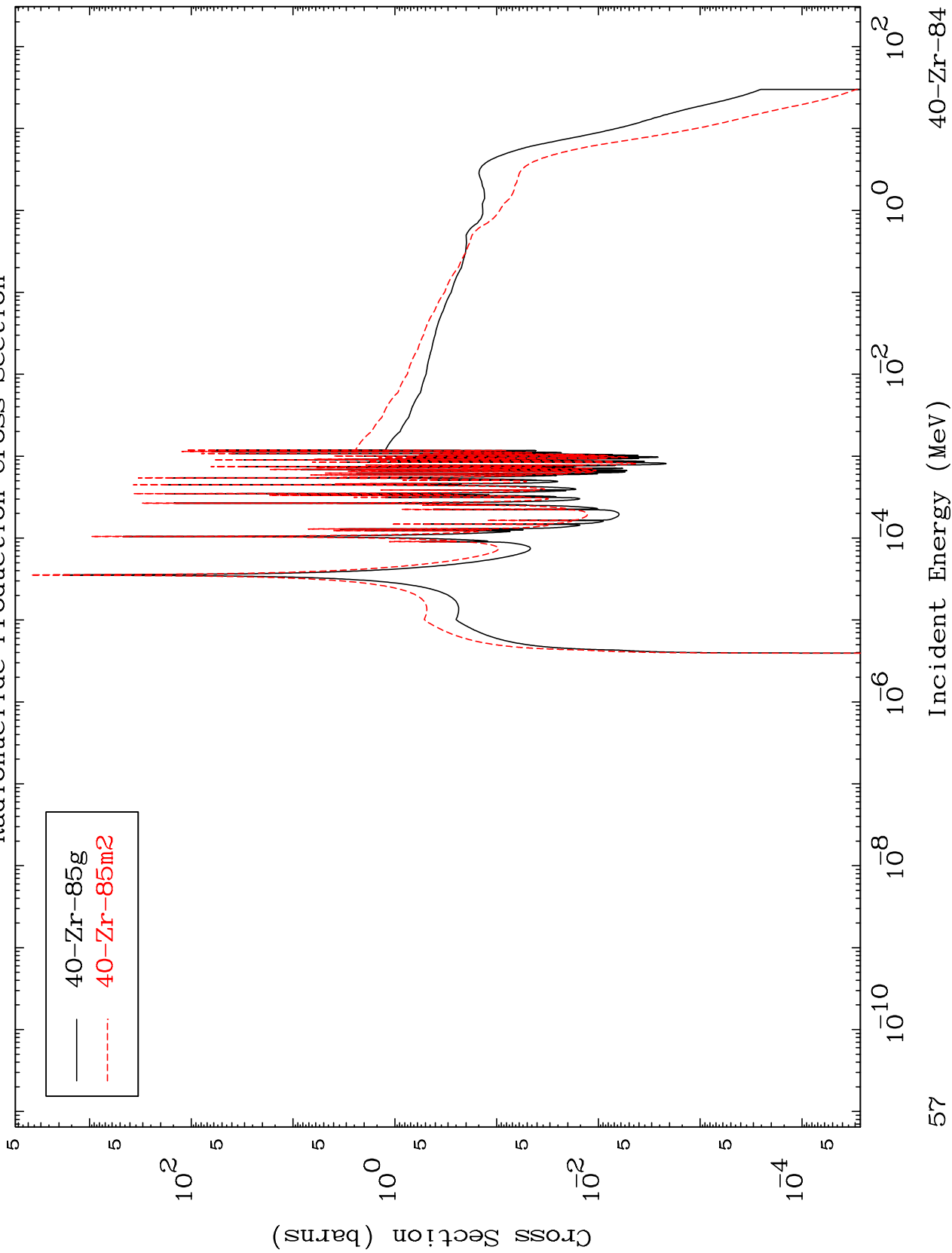
Incident Energy (MeV)

40-Zr-84

MAT 4007

40-Zr-84

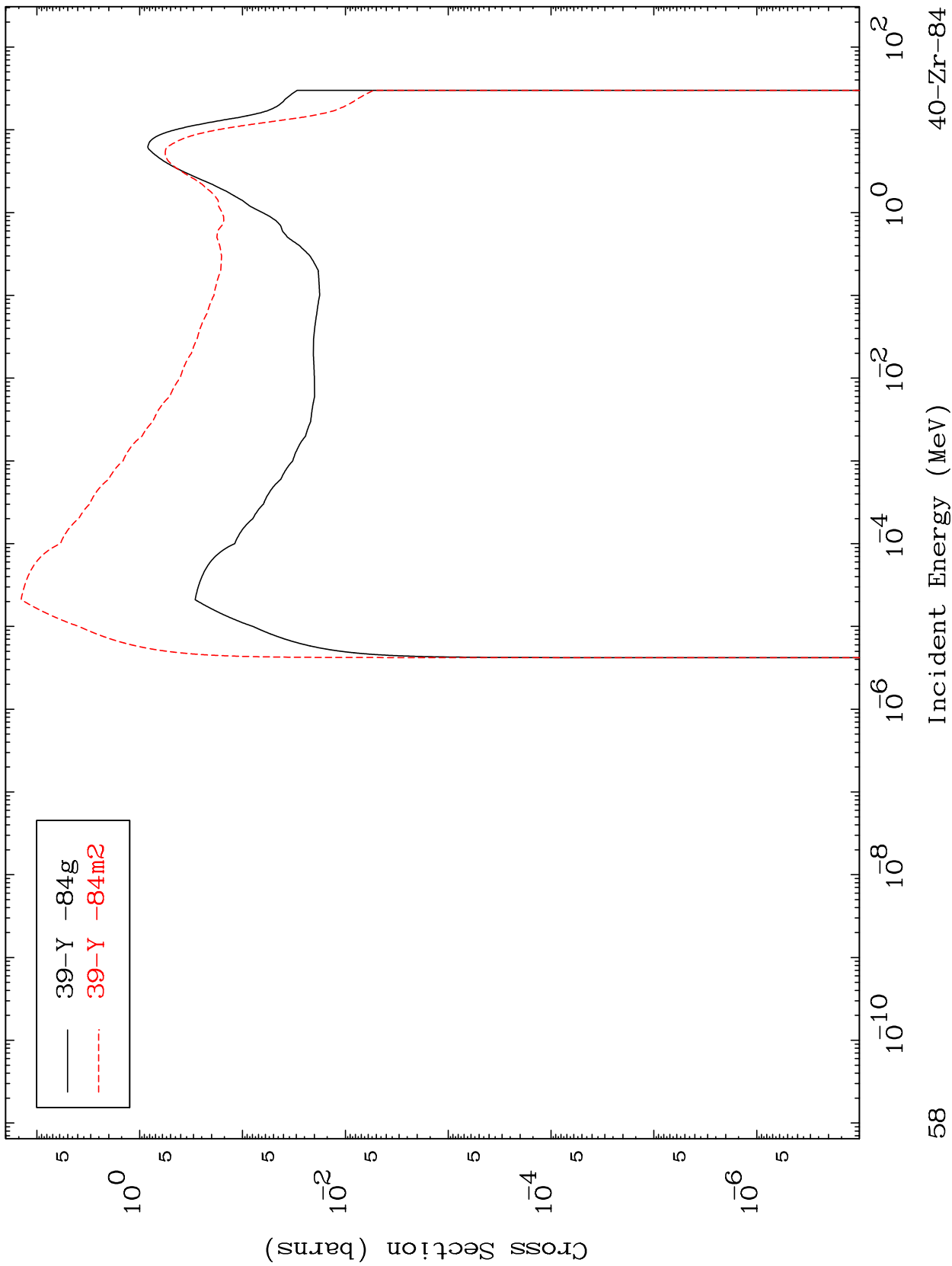
Radionuclide Production Cross Section



MAT 4007

40-Zr-84

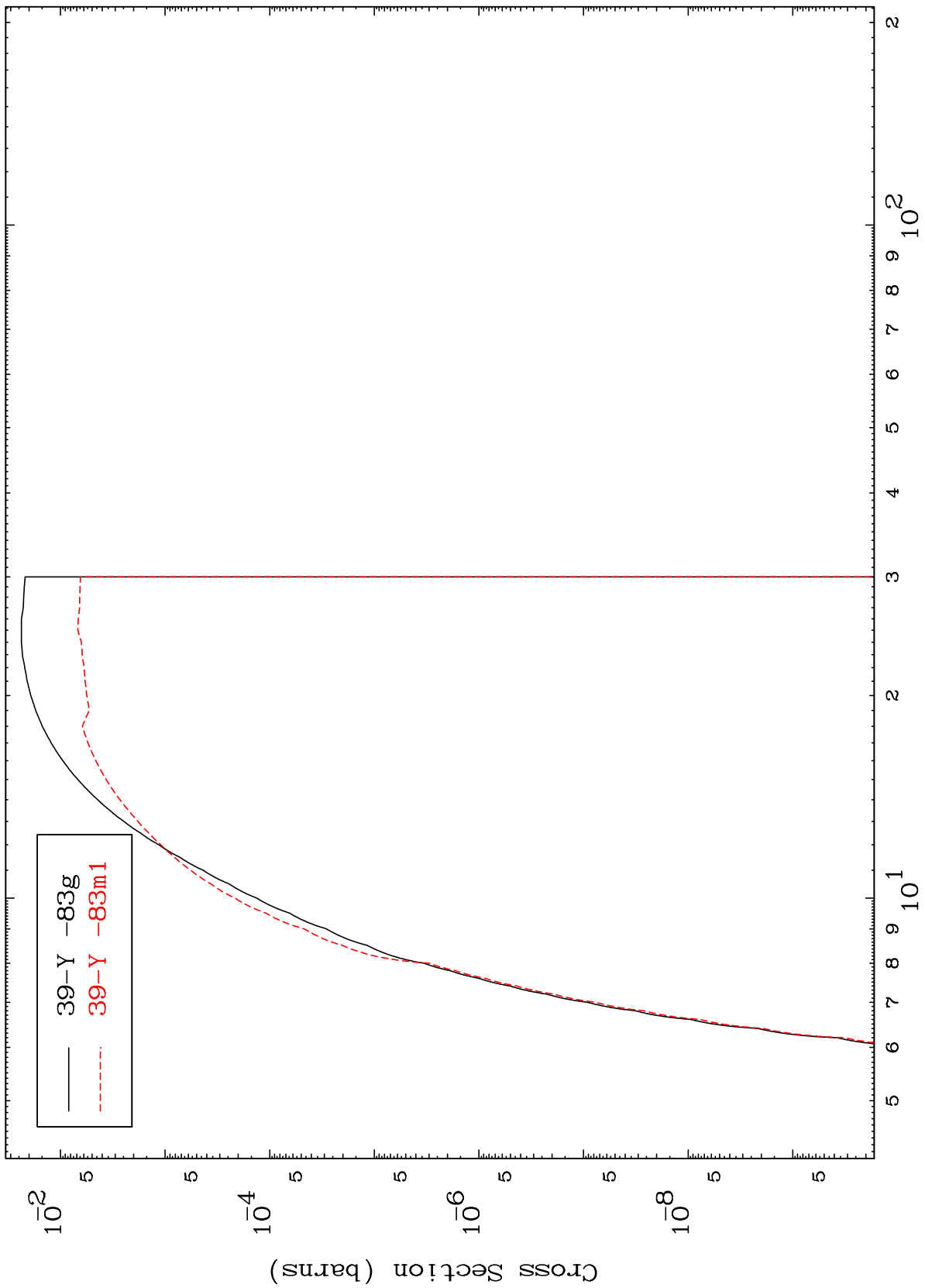
Radionuclide Production Cross Section (n,p)



MAT 4007

40-Zr-84

(n,d)
Radionuclide Production Cross Section



59

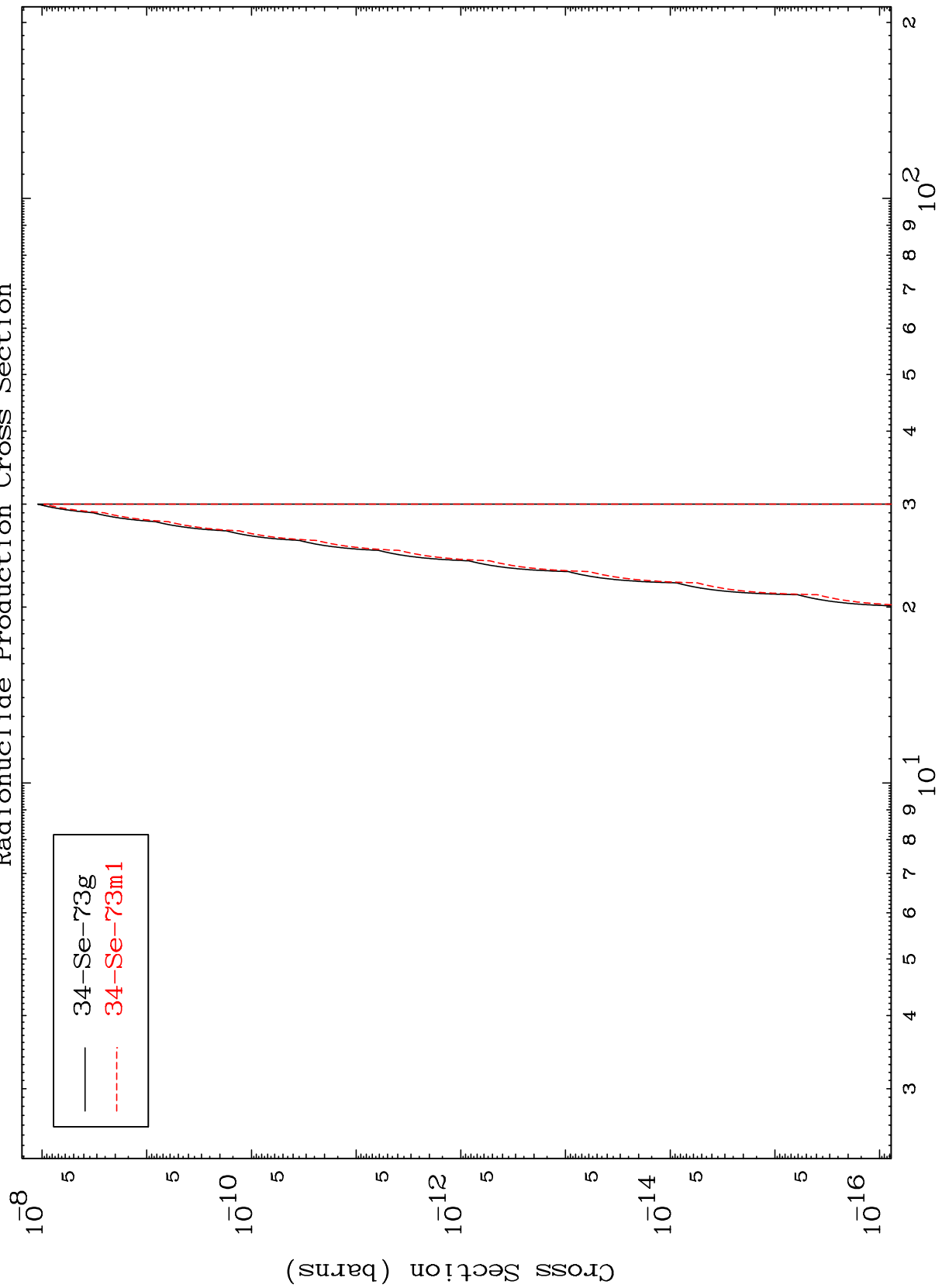
Incident Energy (MeV)

40-Zr-84

MAT 4007

40-Zr-84

Radionuclide Production Cross Section
(n, 3 α)



— 34-Se-73g
- - - 34-Se-73m1

Incident Energy (MeV)

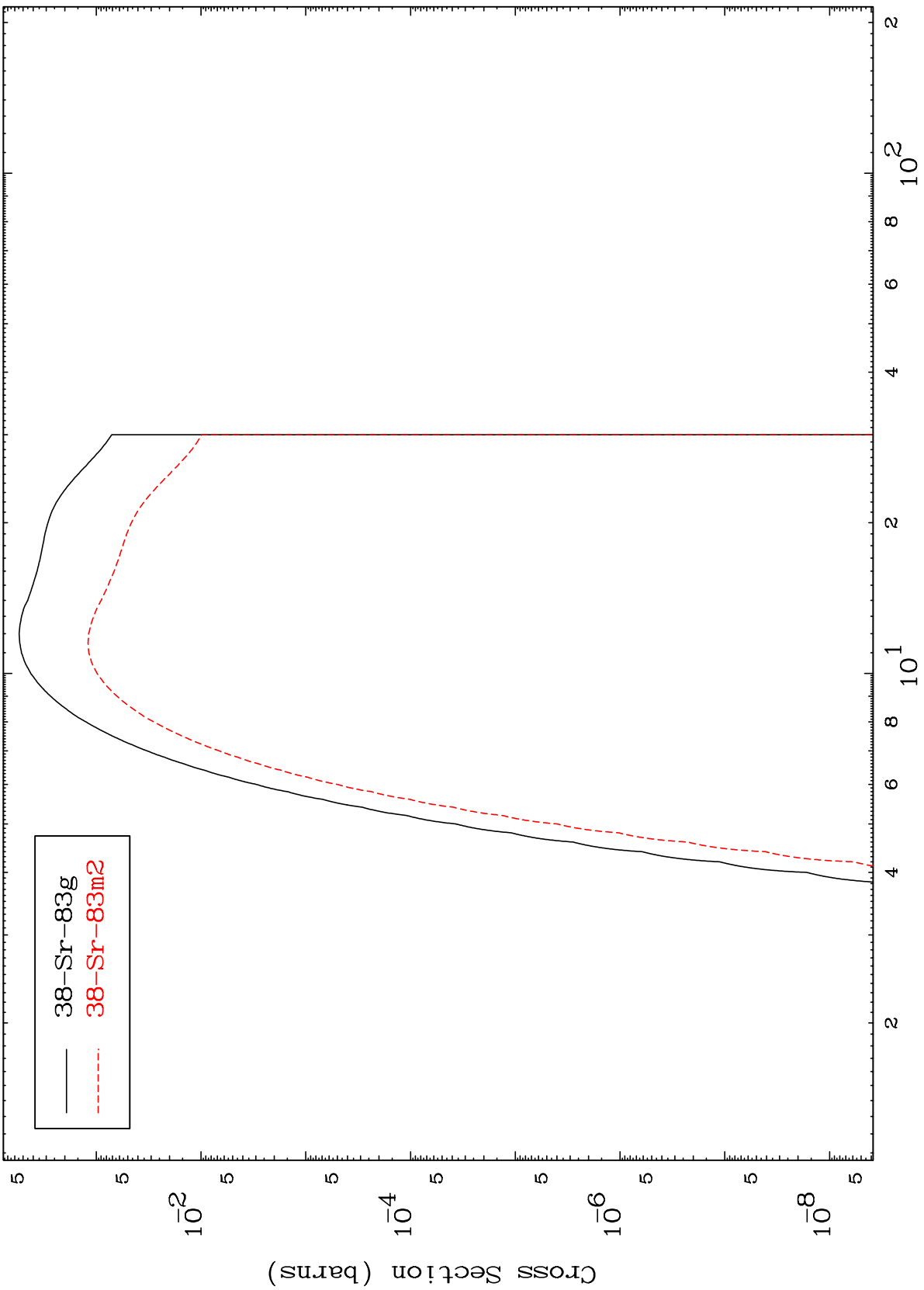
40-Zr-84

60

MAT 4007

40-Zr-84

(n,2p)
Radionuclide Production Cross Section



61

Incident Energy (MeV)

40-Zr-84