

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

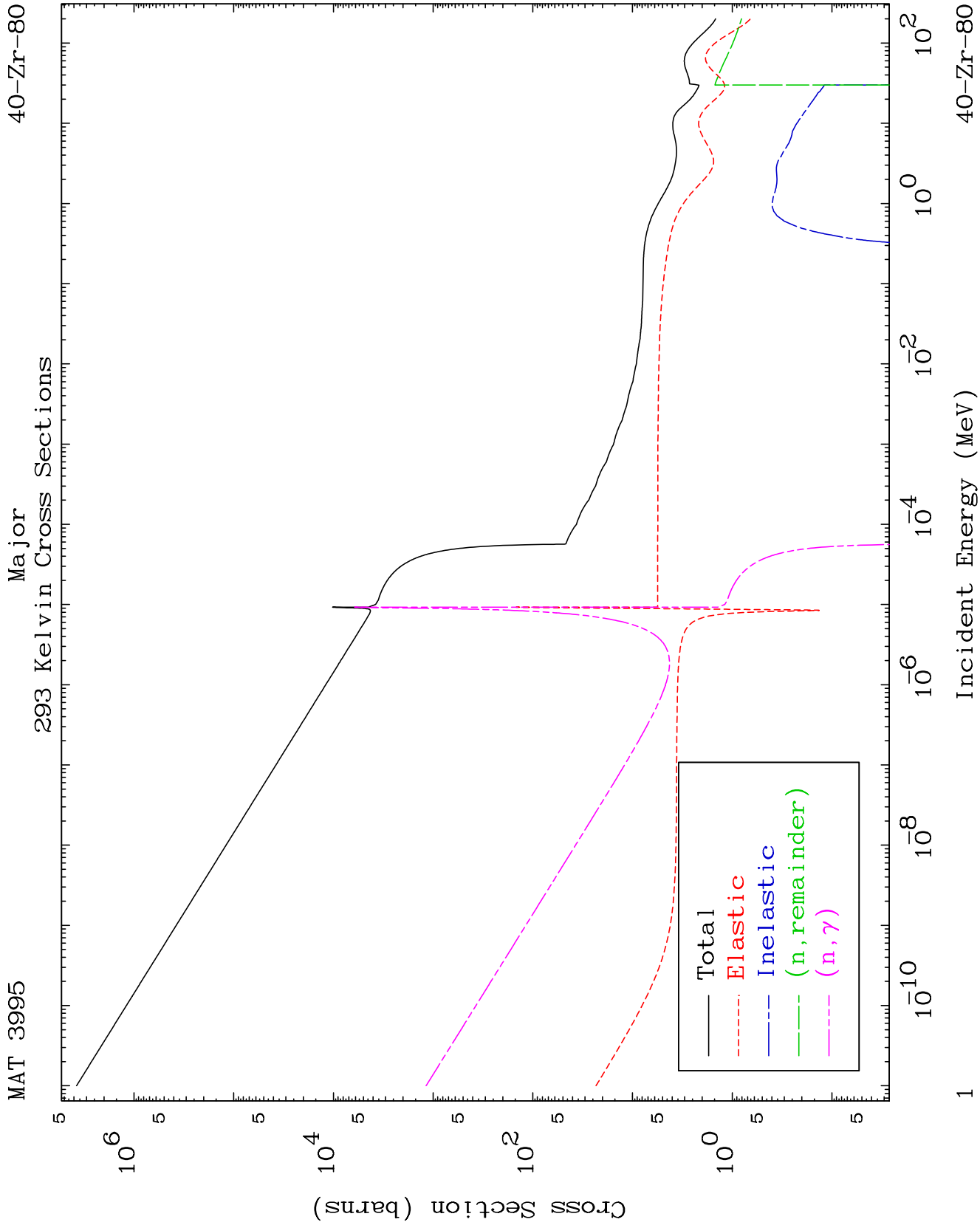
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

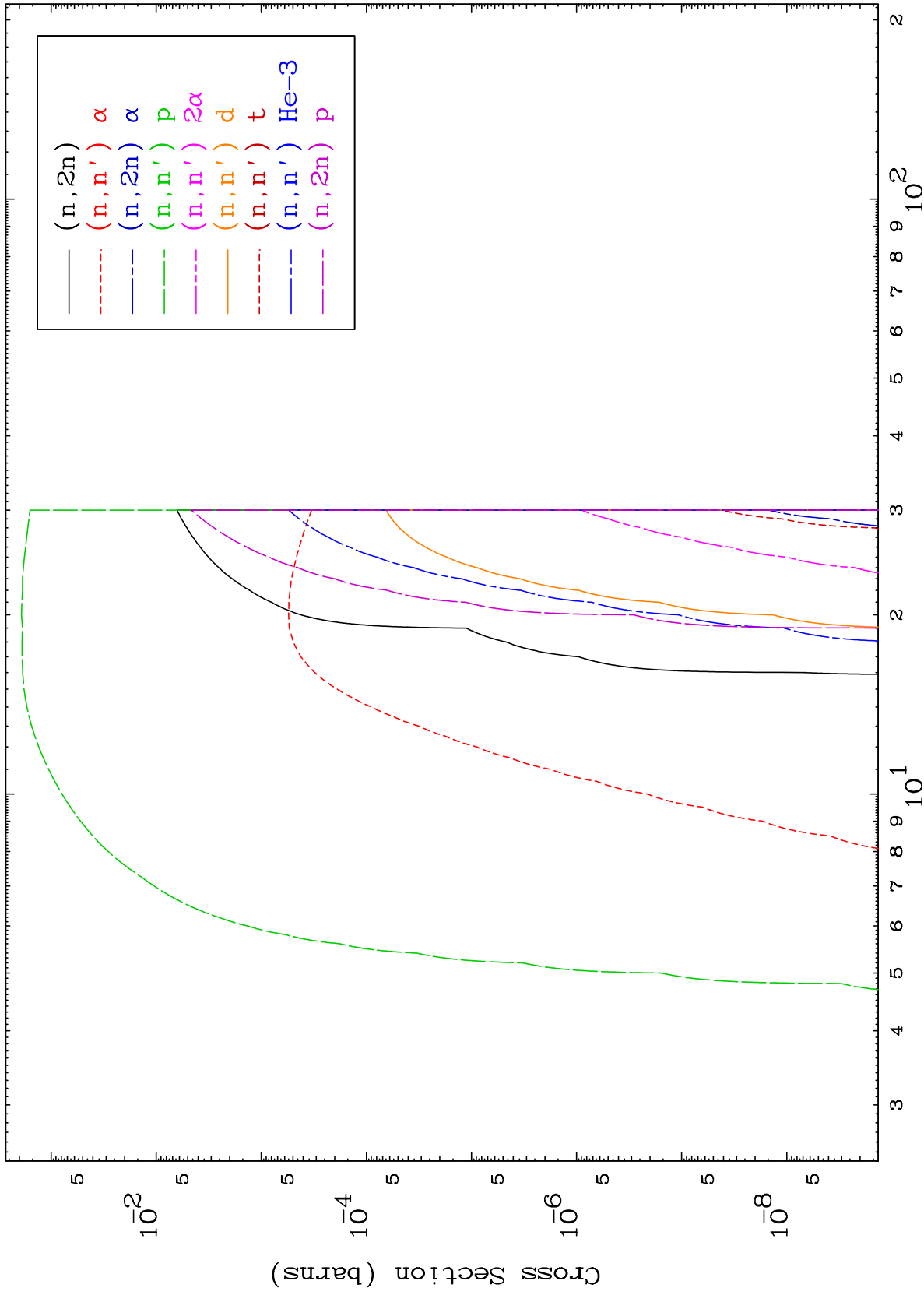
Press Mouse Button to Start



MAT 3995

Neutron Production 293 Kelvin Cross Sections

40-Zr-80



2

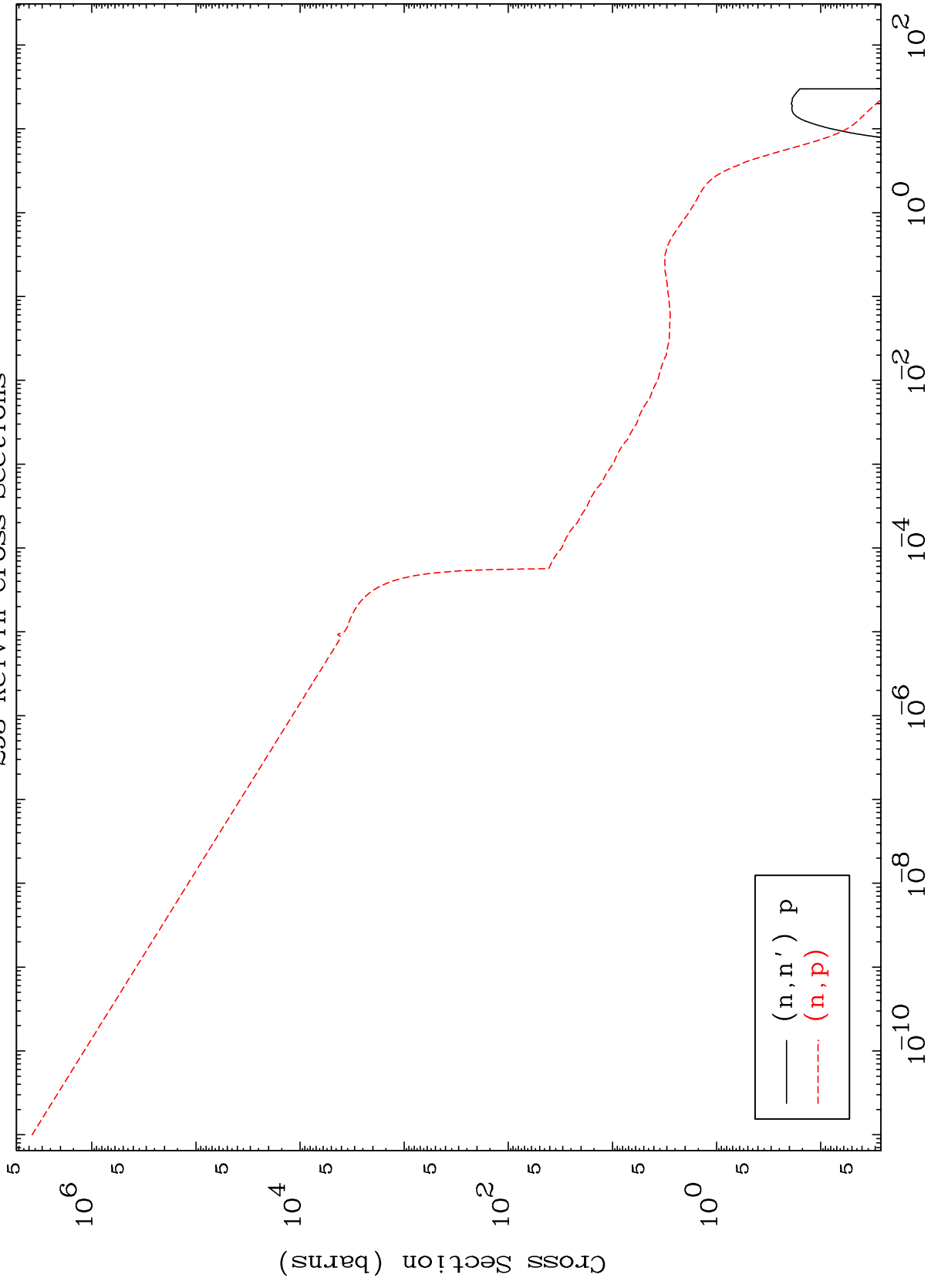
Incident Energy (MeV)

40-Zr-80

MAT 3995

293 Kelvin Cross Sections
Charged Particle

40-Zr-80

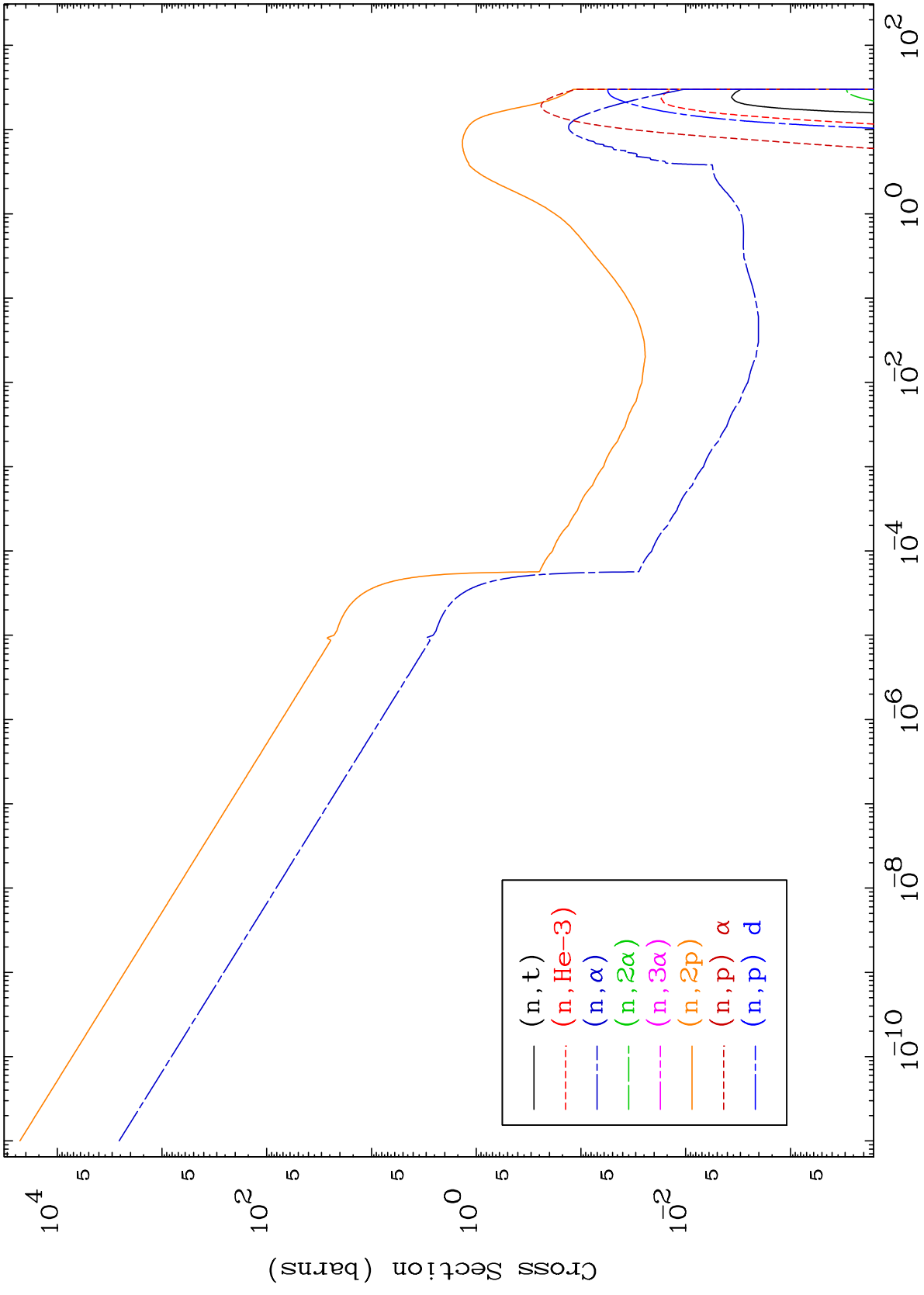


40-Zr-80

MAT 3995

Charged Particle
293 Kelvin Cross Sections

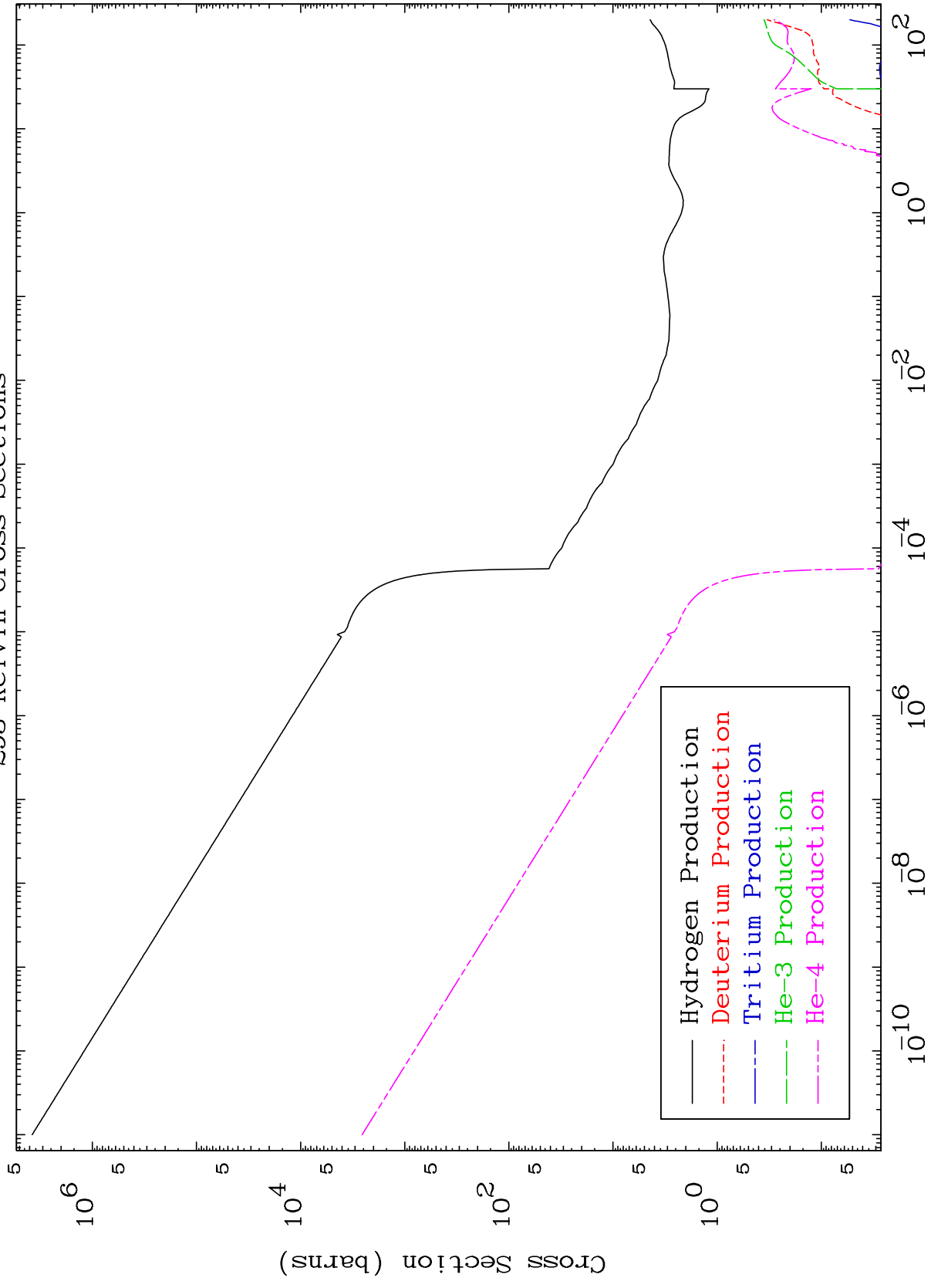
40-Zr-80



MAT 3995

Particle Production
293 Kelvin Cross Sections

40-Zr-80



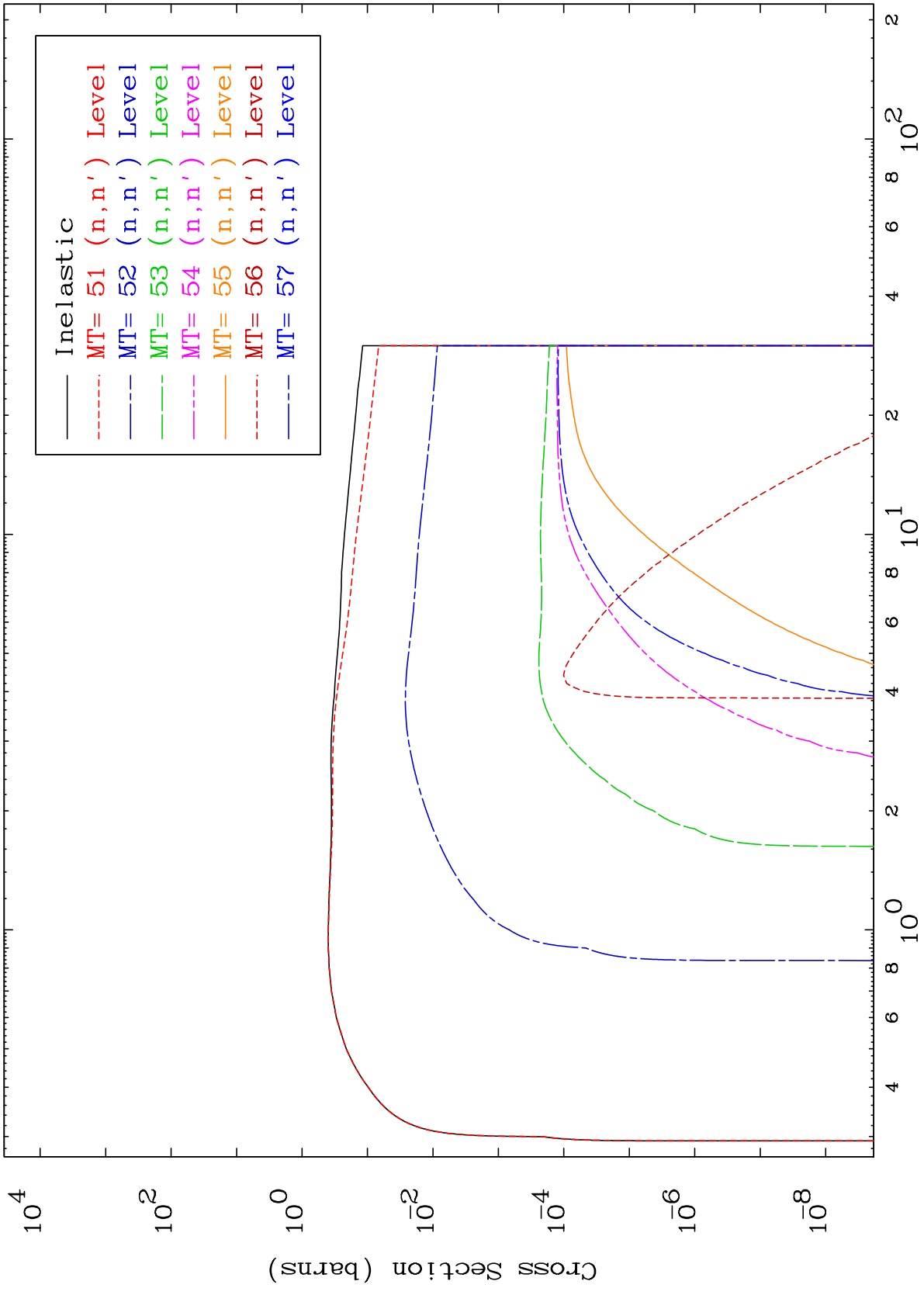
5

40-Zr-80

MAT 3995

(n,n') Level
293 Kelvin Cross Sections

40-Zr-80



6

Incident Energy (MeV)

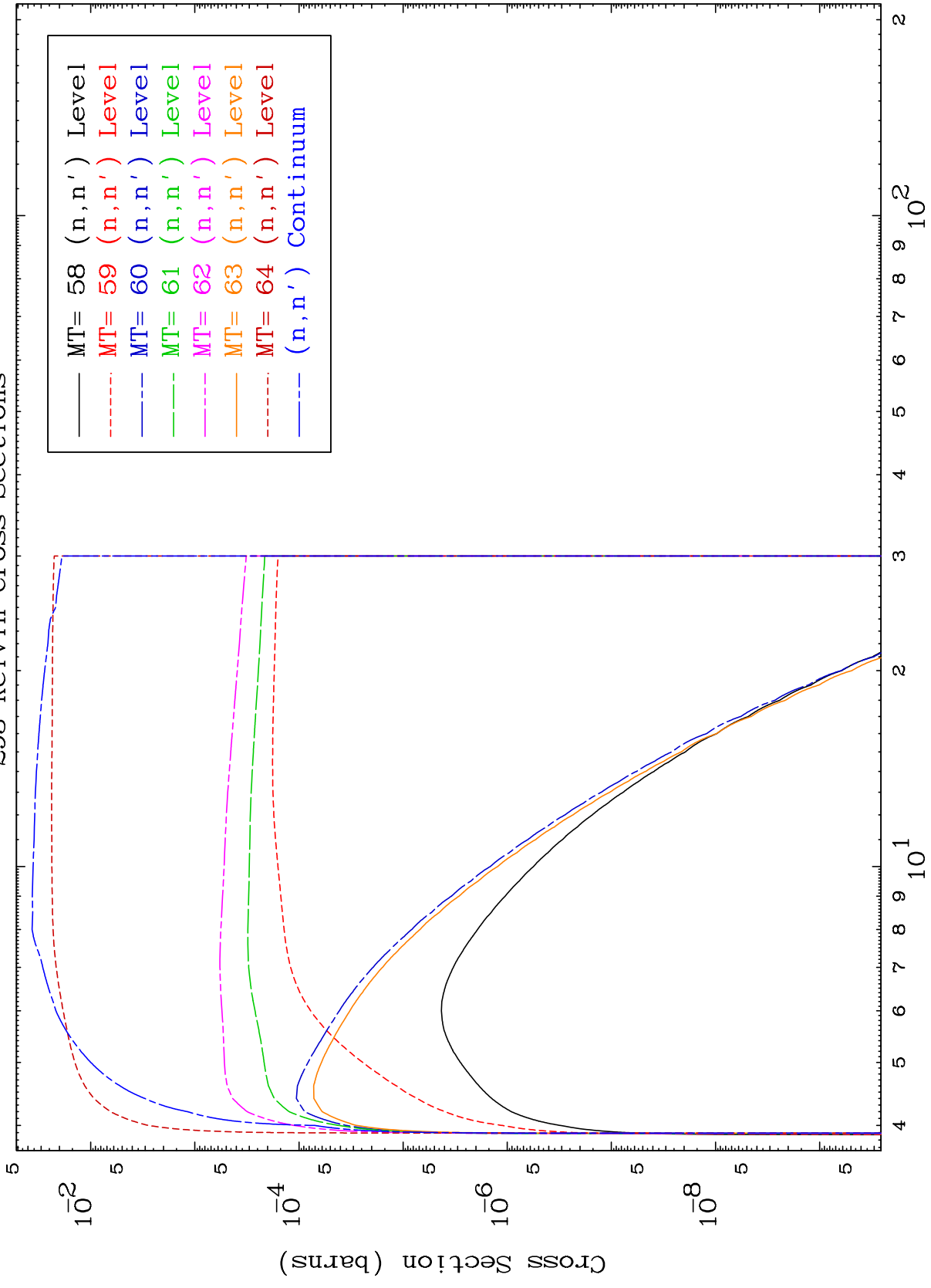
40-Zr-80

MAT 3995

(n,n') Level

40-Zr-80

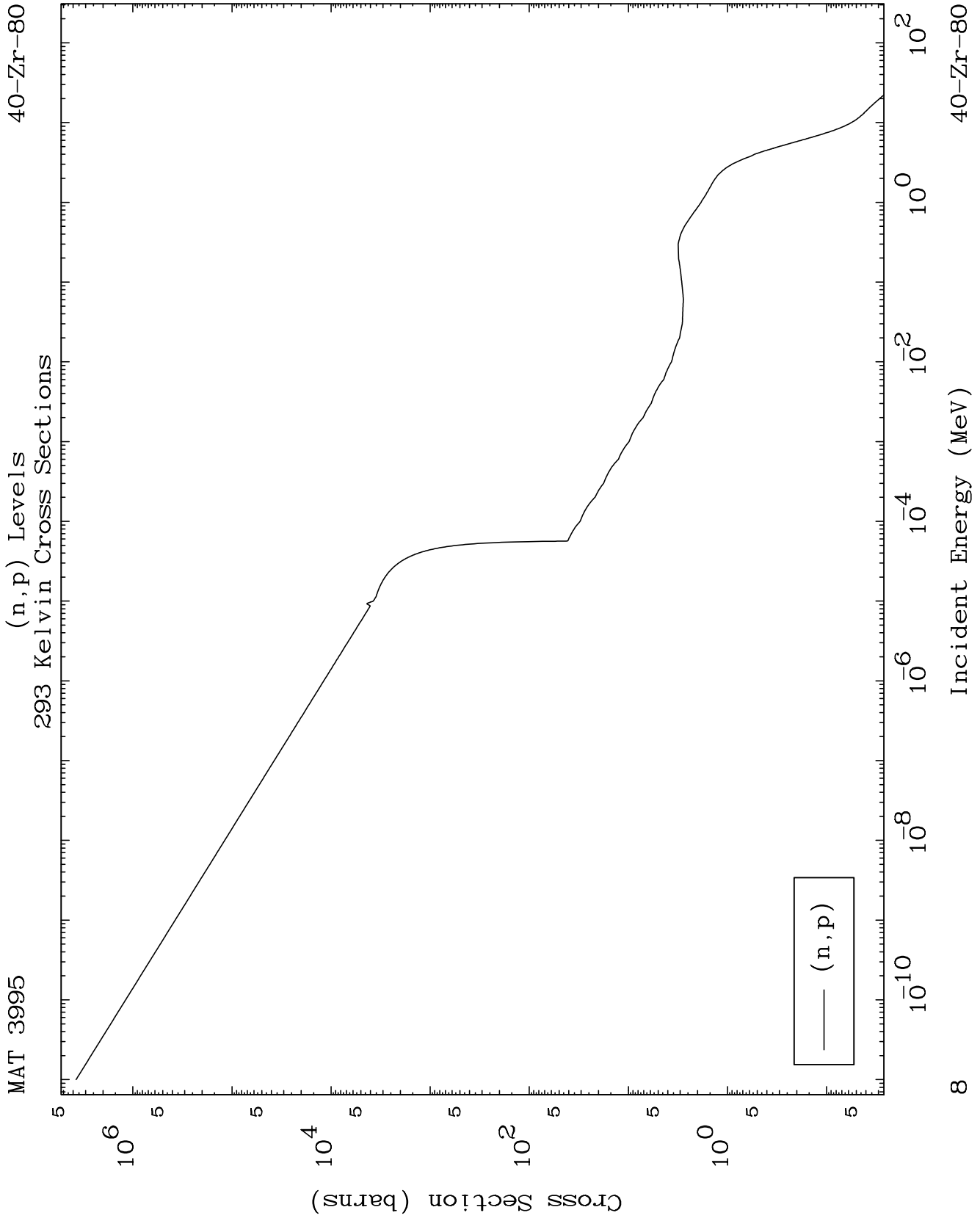
293 Kelvin Cross Sections



7

Incident Energy (MeV)

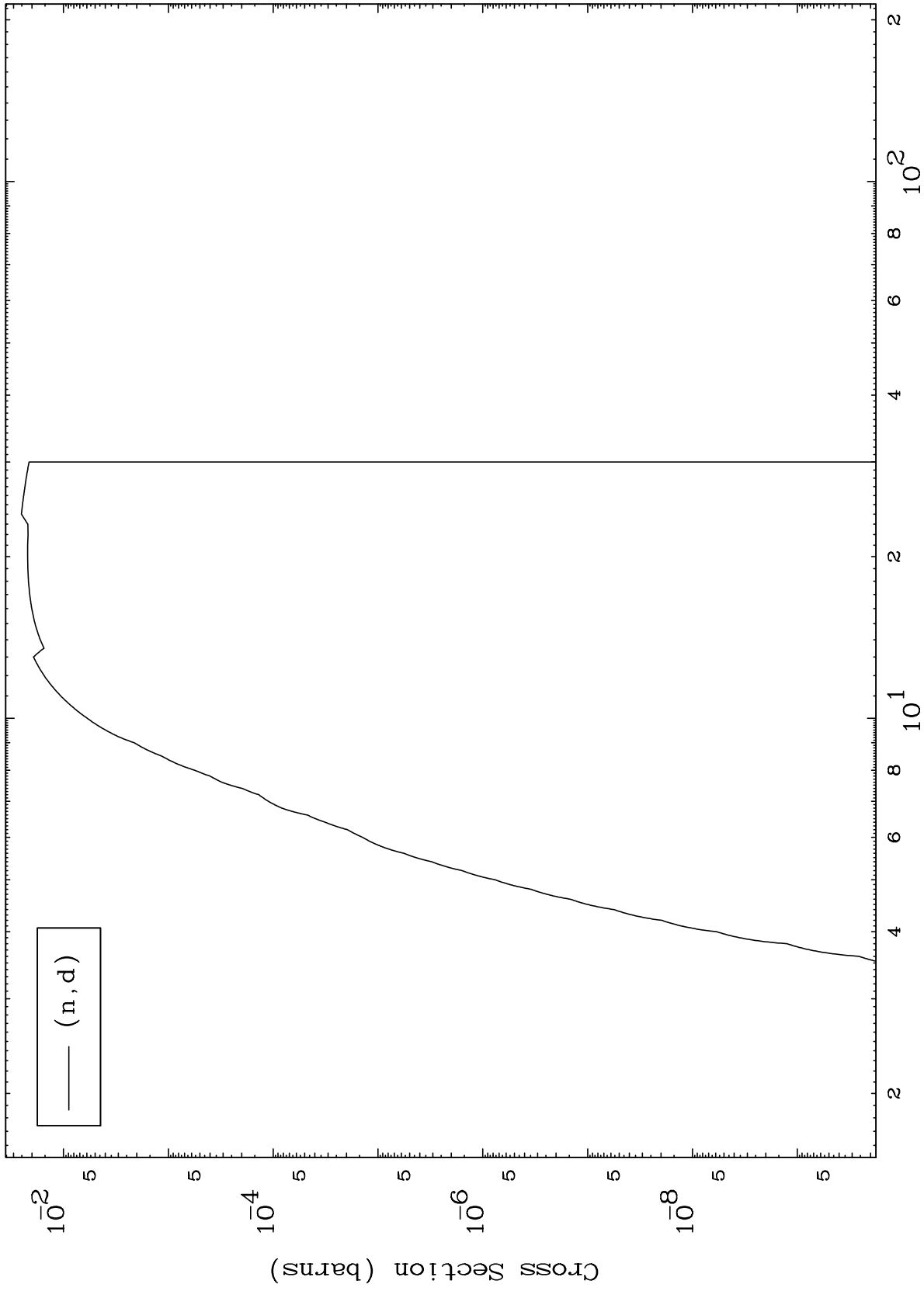
40-Zr-80



MAT 3995

(n,d) Levels
293 Kelvin Cross Sections

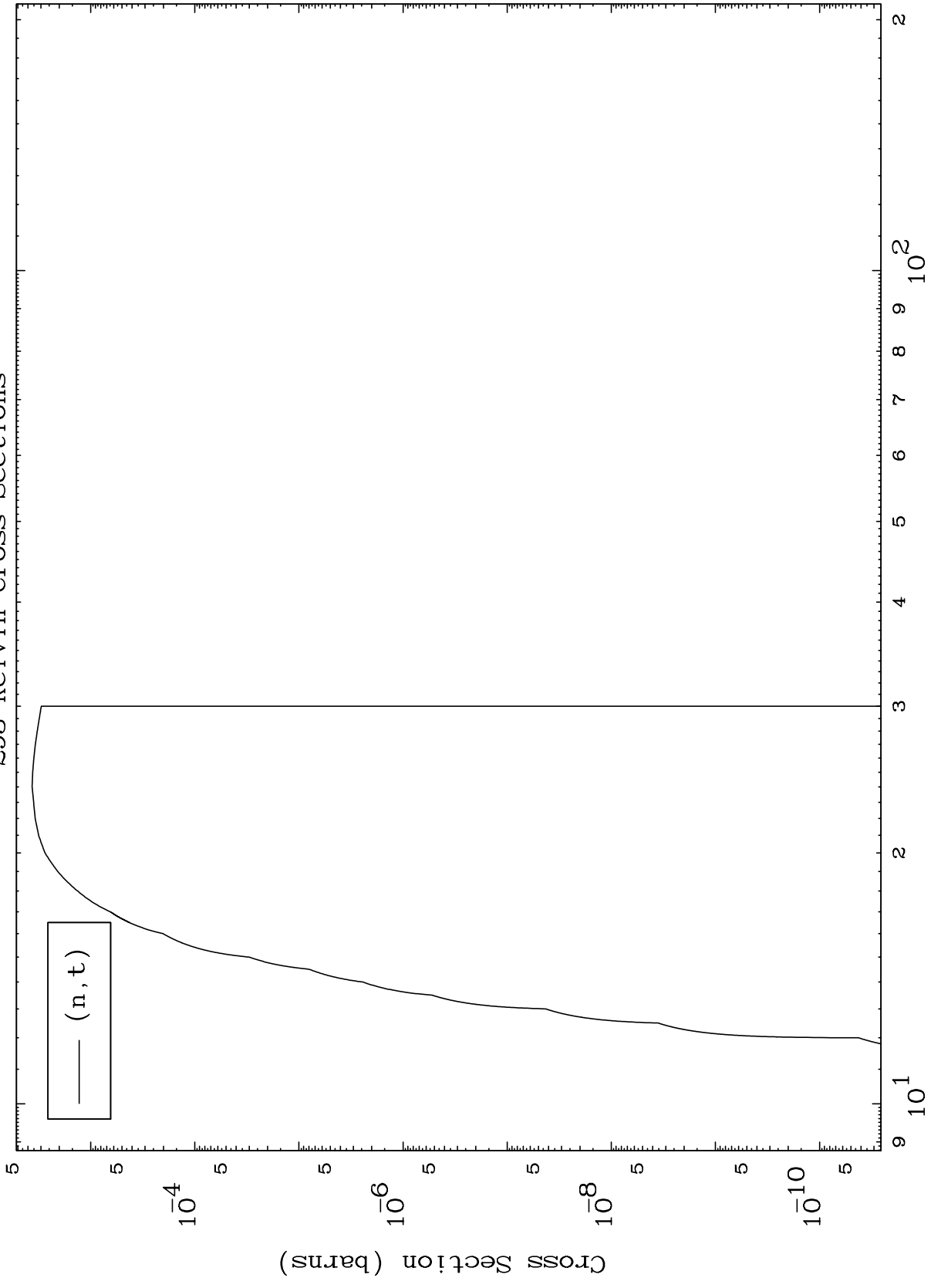
40-Zr-80



MAT 3995

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-80



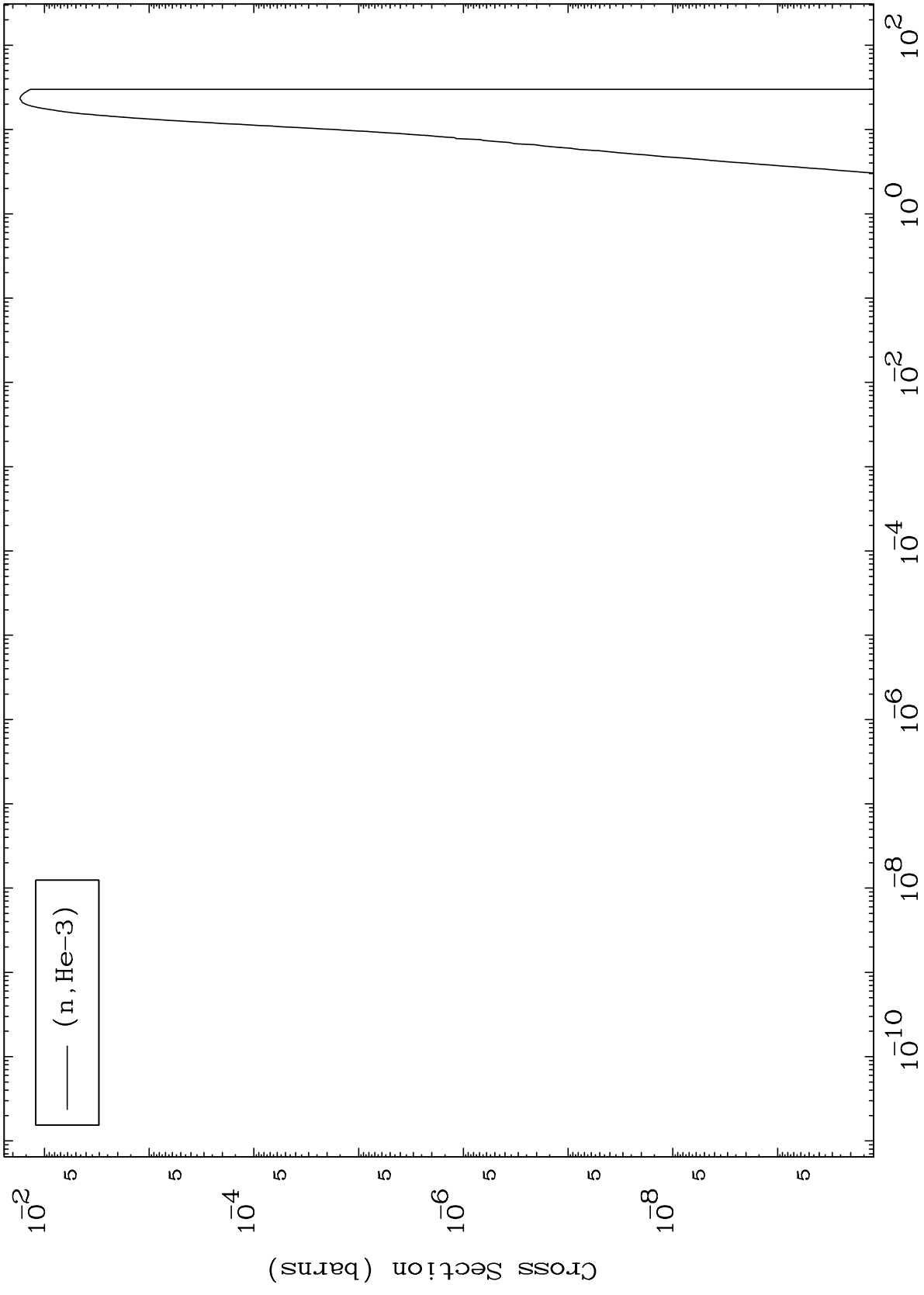
Incident Energy (MeV)

40-Zr-80

MAT 3995

(n,He3) Levels
293 Kelvin Cross Sections

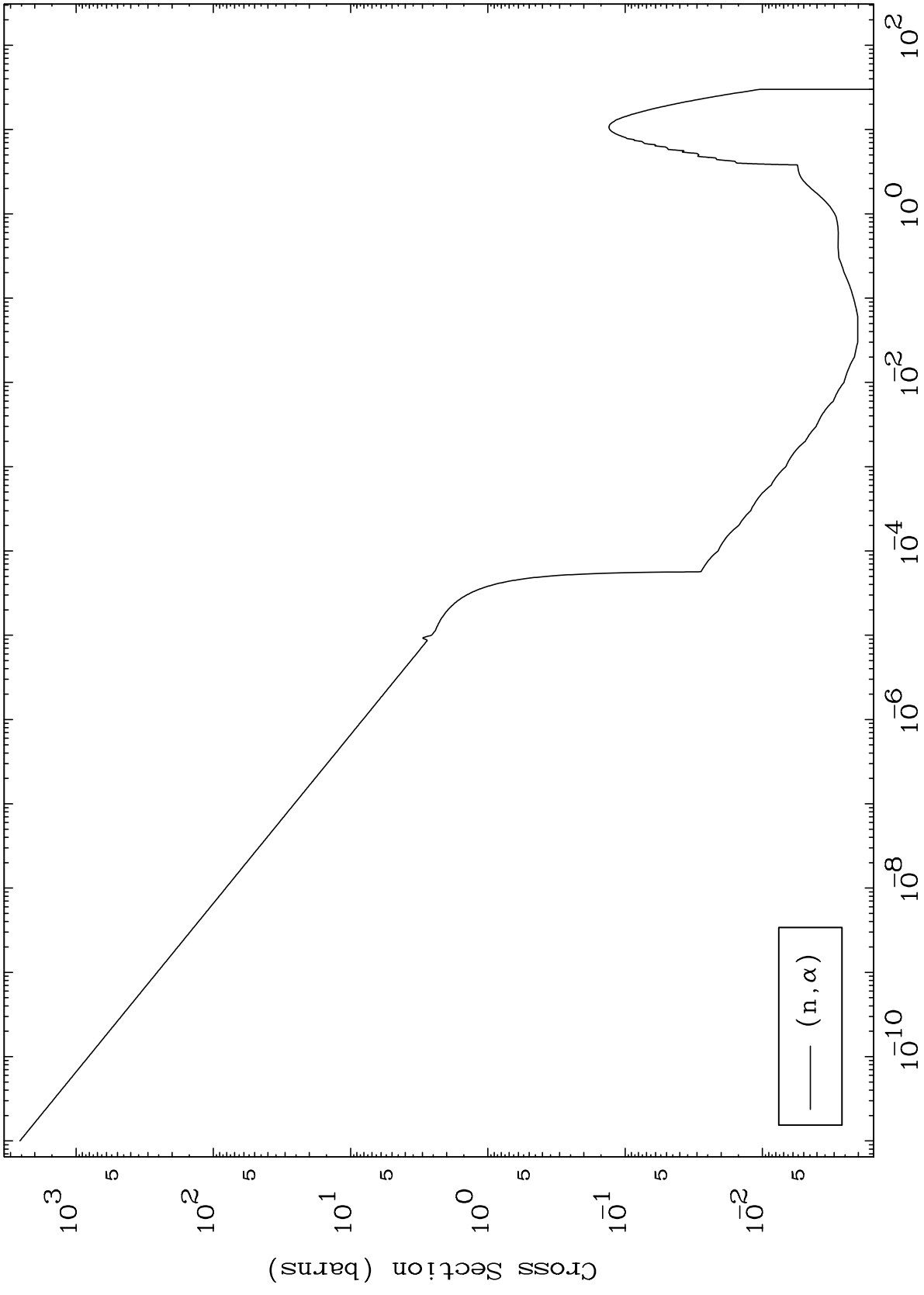
40-Zr-80



MAT 3995

(n,α) Levels
293 Kelvin Cross Sections

40-Zr-80

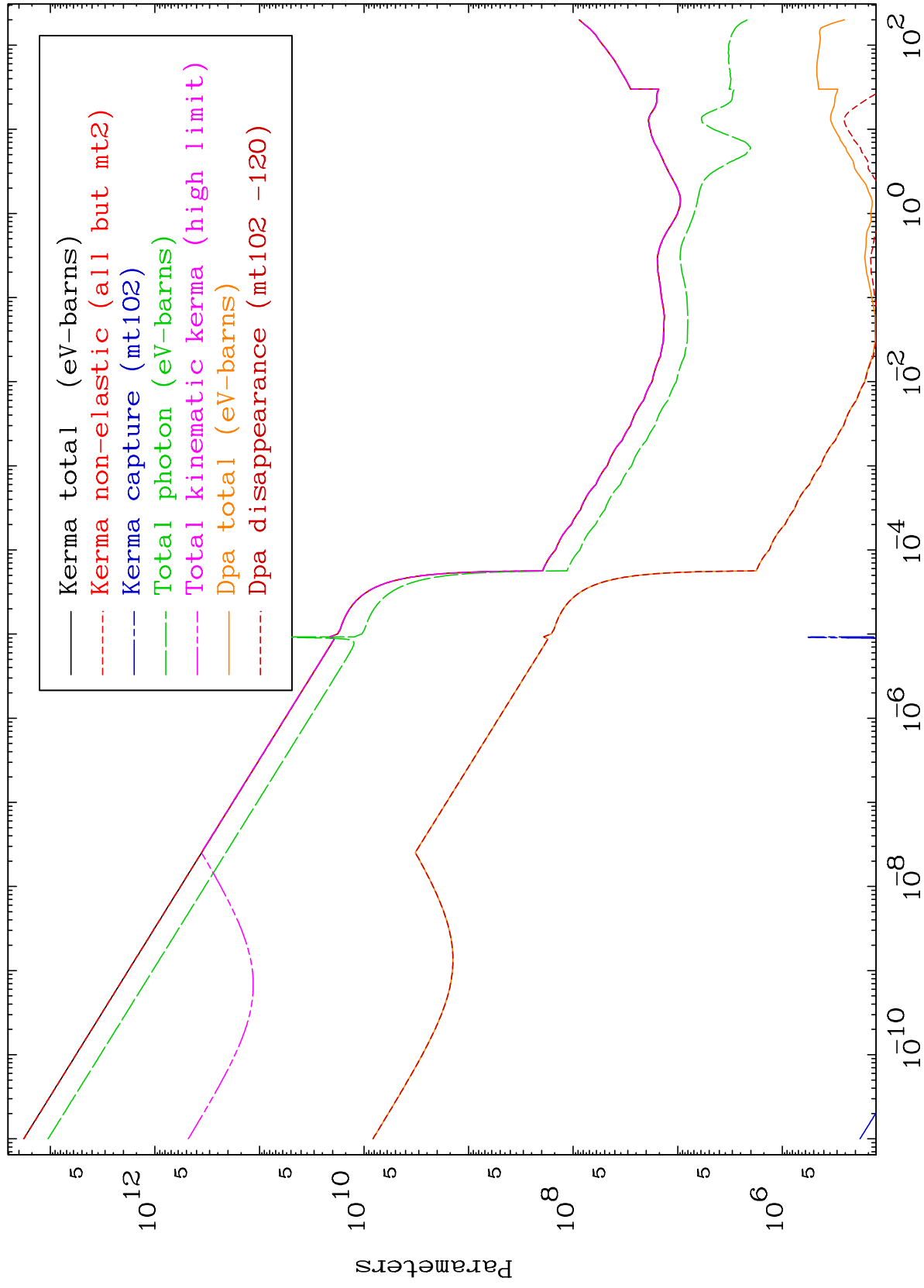


— (n,α)

MAT 3995

Energy Release
Parameters

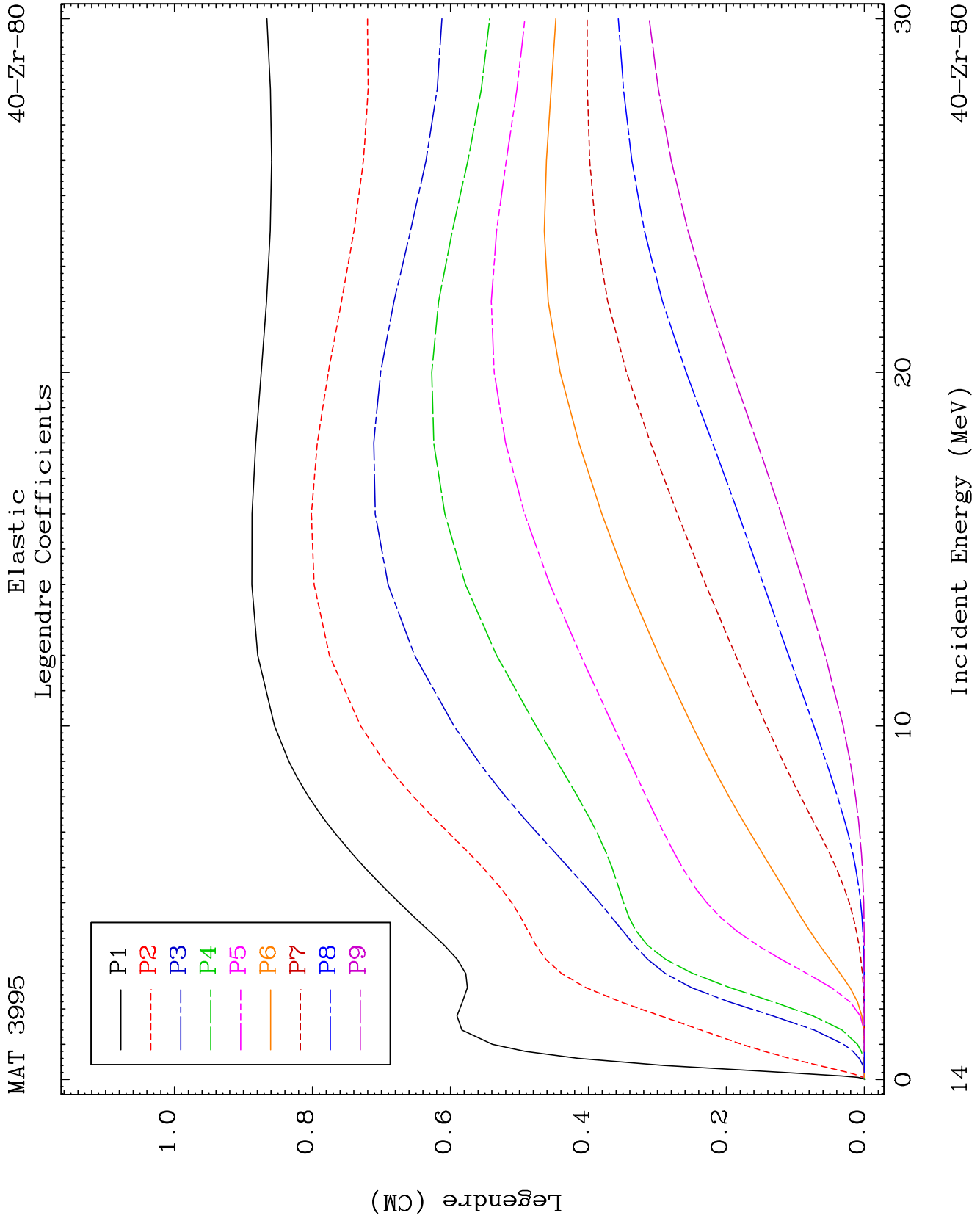
40-Zr-80



13

Incident Energy (MeV)

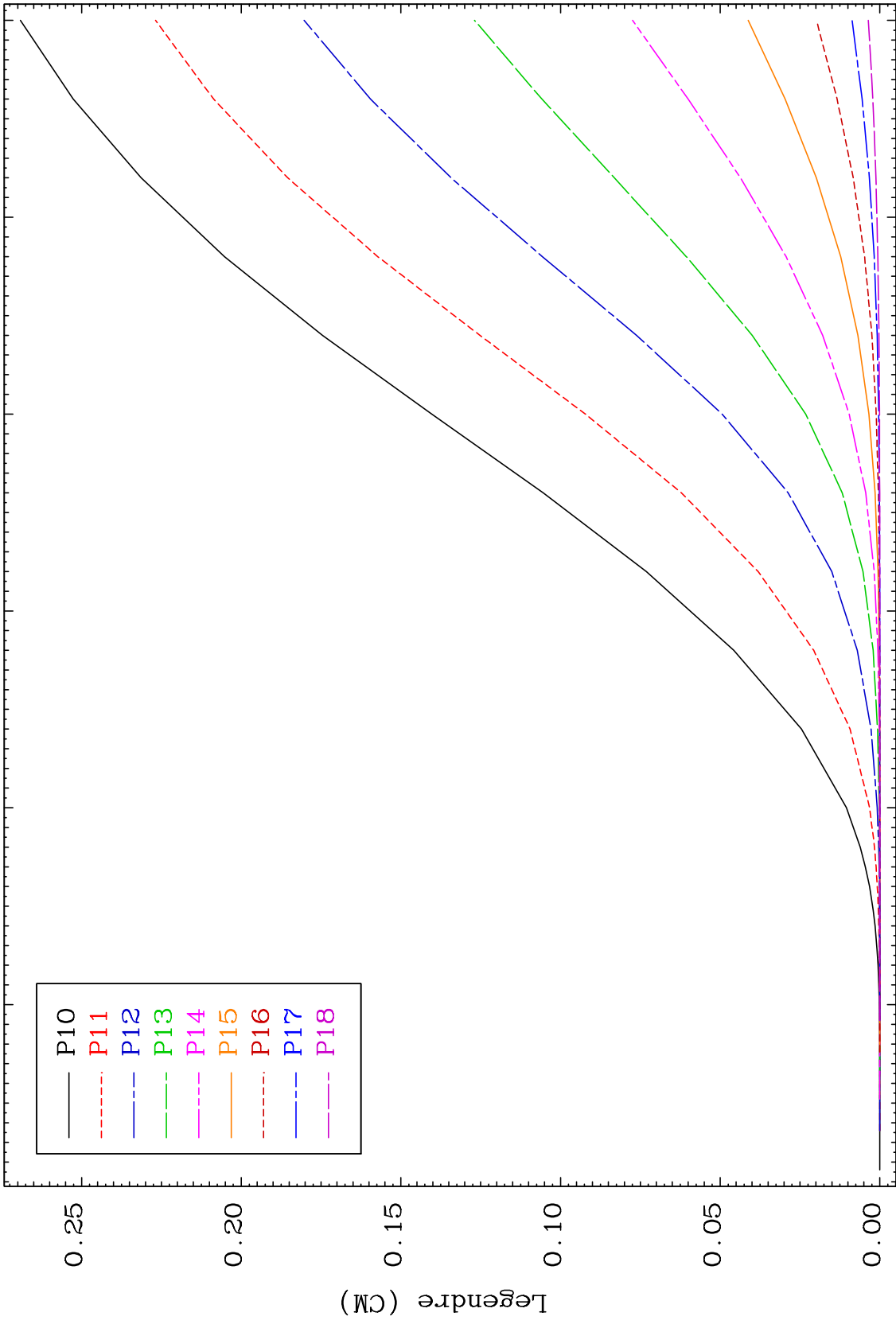
40-Zr-80



MAT 3995

Elastic Legendre Coefficients

40-Zr-80



15

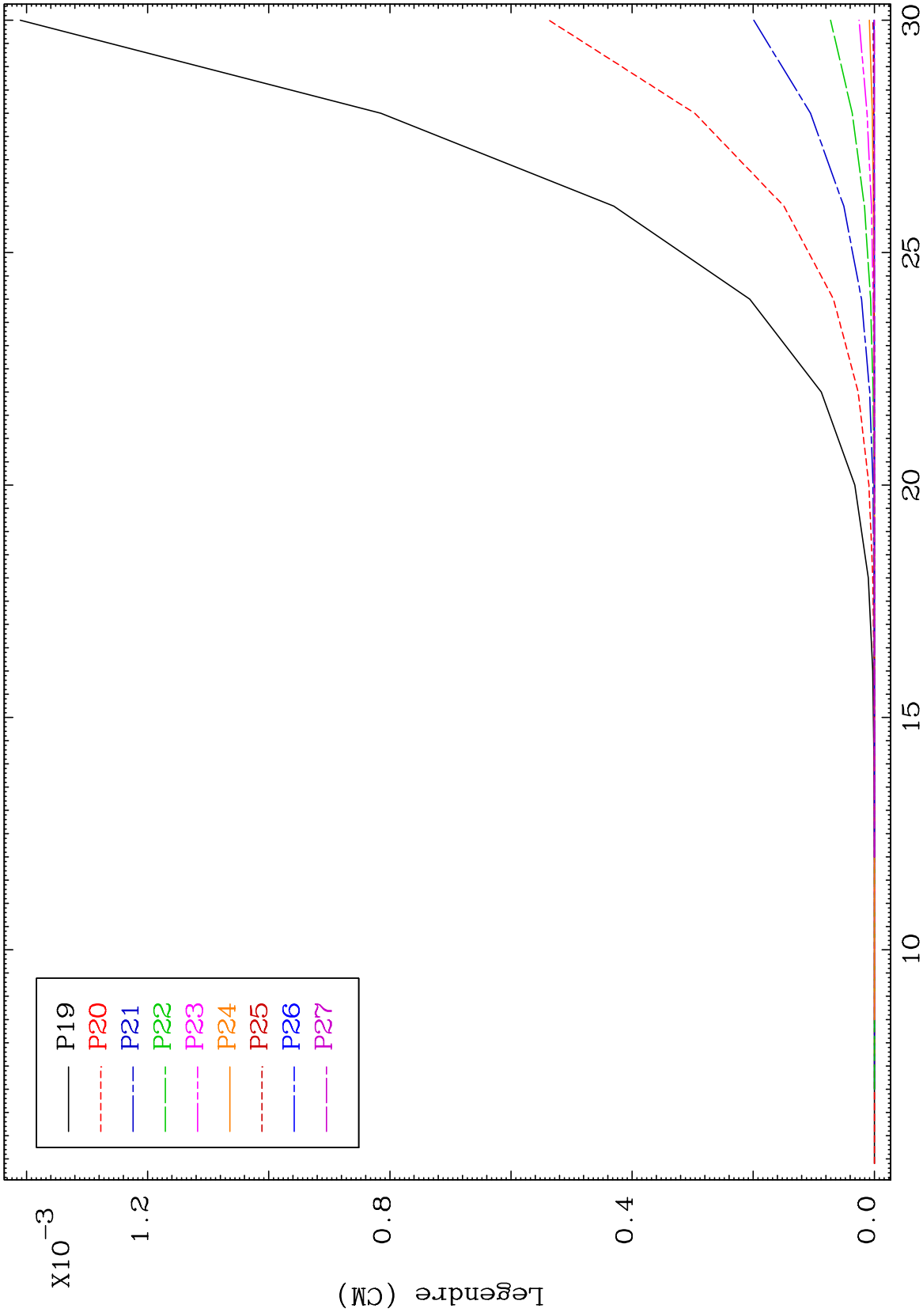
Incident Energy (MeV)

40-Zr-80

MAT 3995

Elastic Legendre Coefficients

40-Zr-80



16

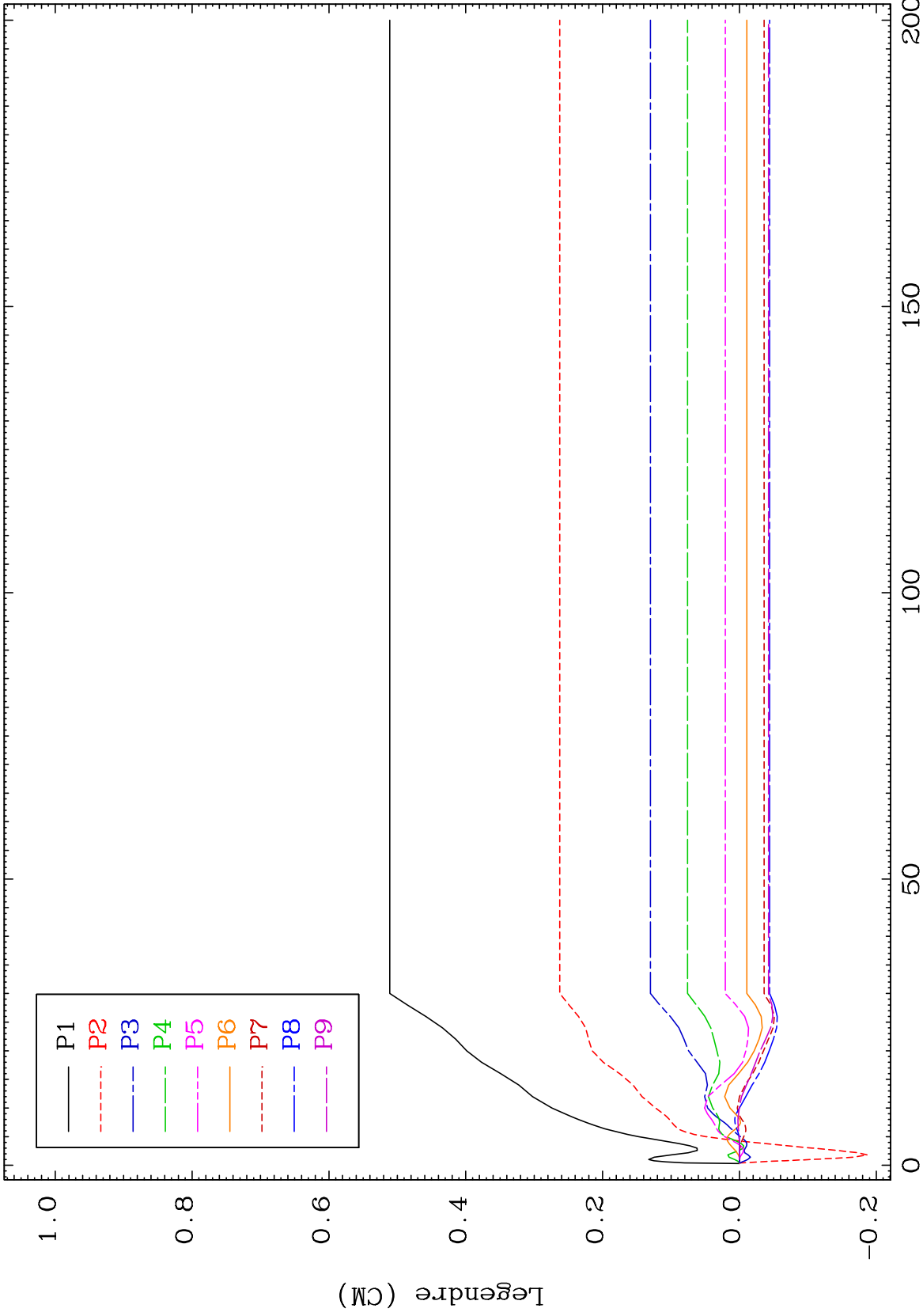
Incident Energy (MeV)

40-Zr-80

MAT 3995

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

40-Zr-80



18

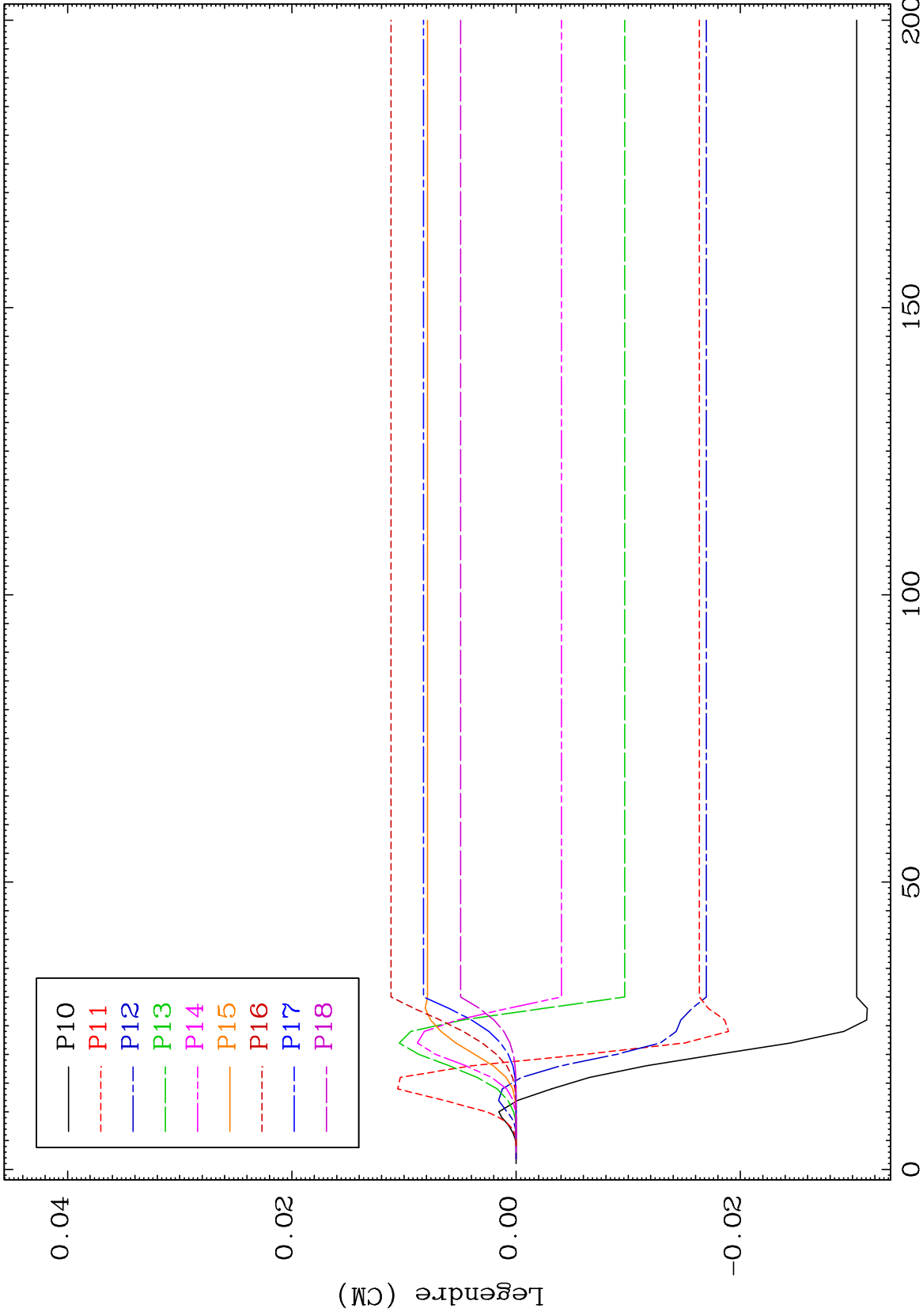
Incident Energy (MeV)

40-Zr-80

MAT 3995

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

40-Zr-80

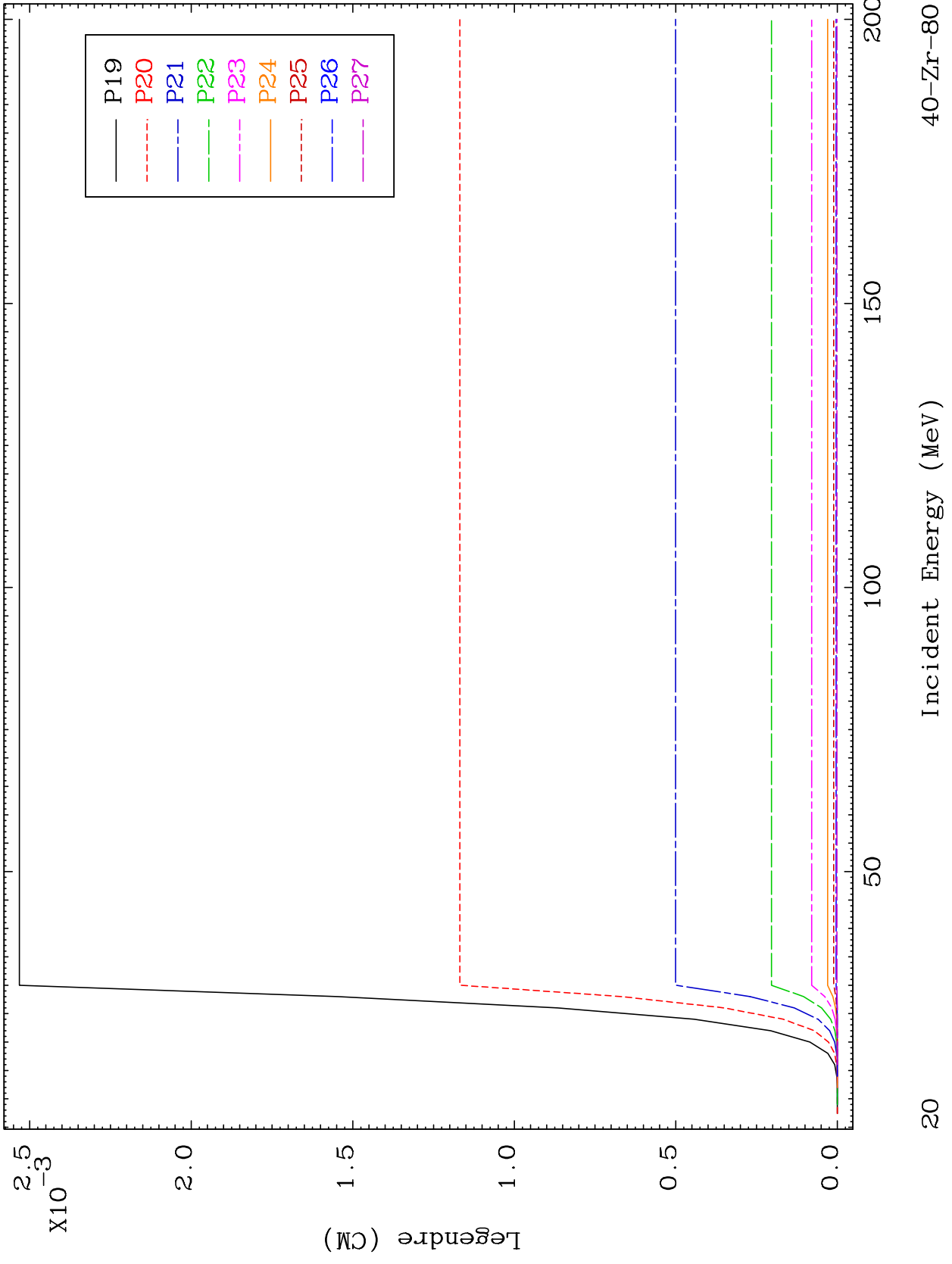


19

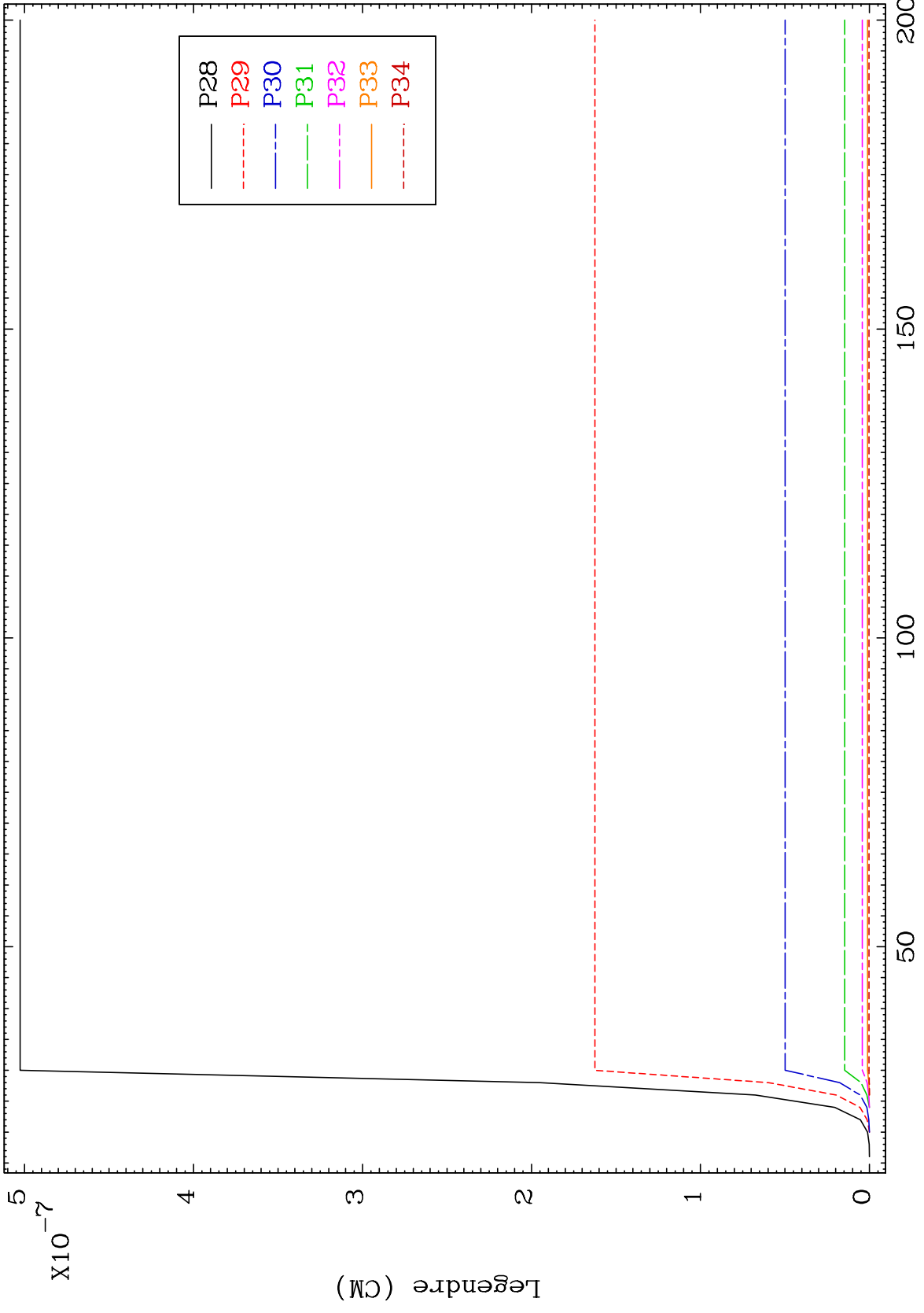
Incident Energy (MeV)

40-Zr-80

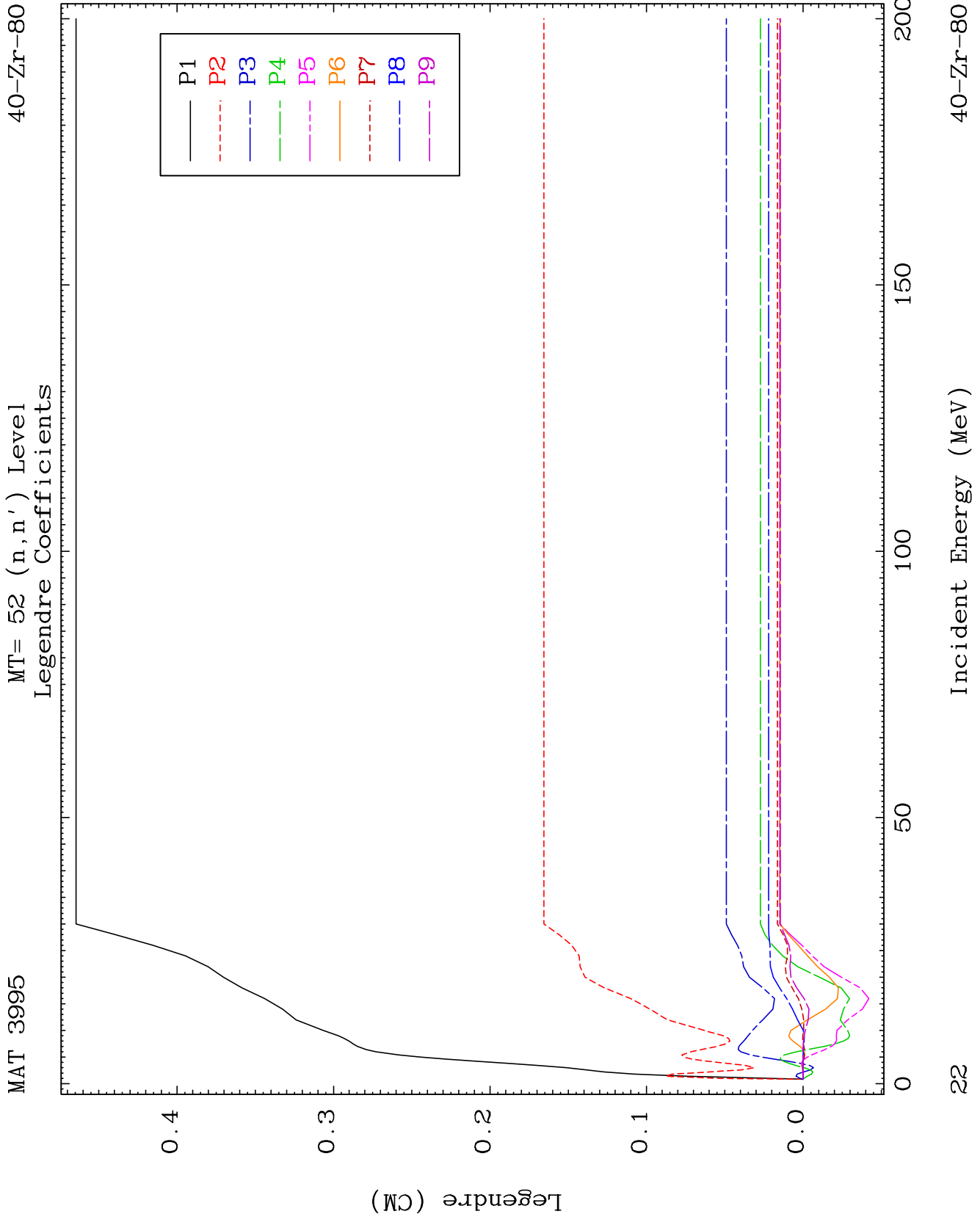
MAT 3995 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-80



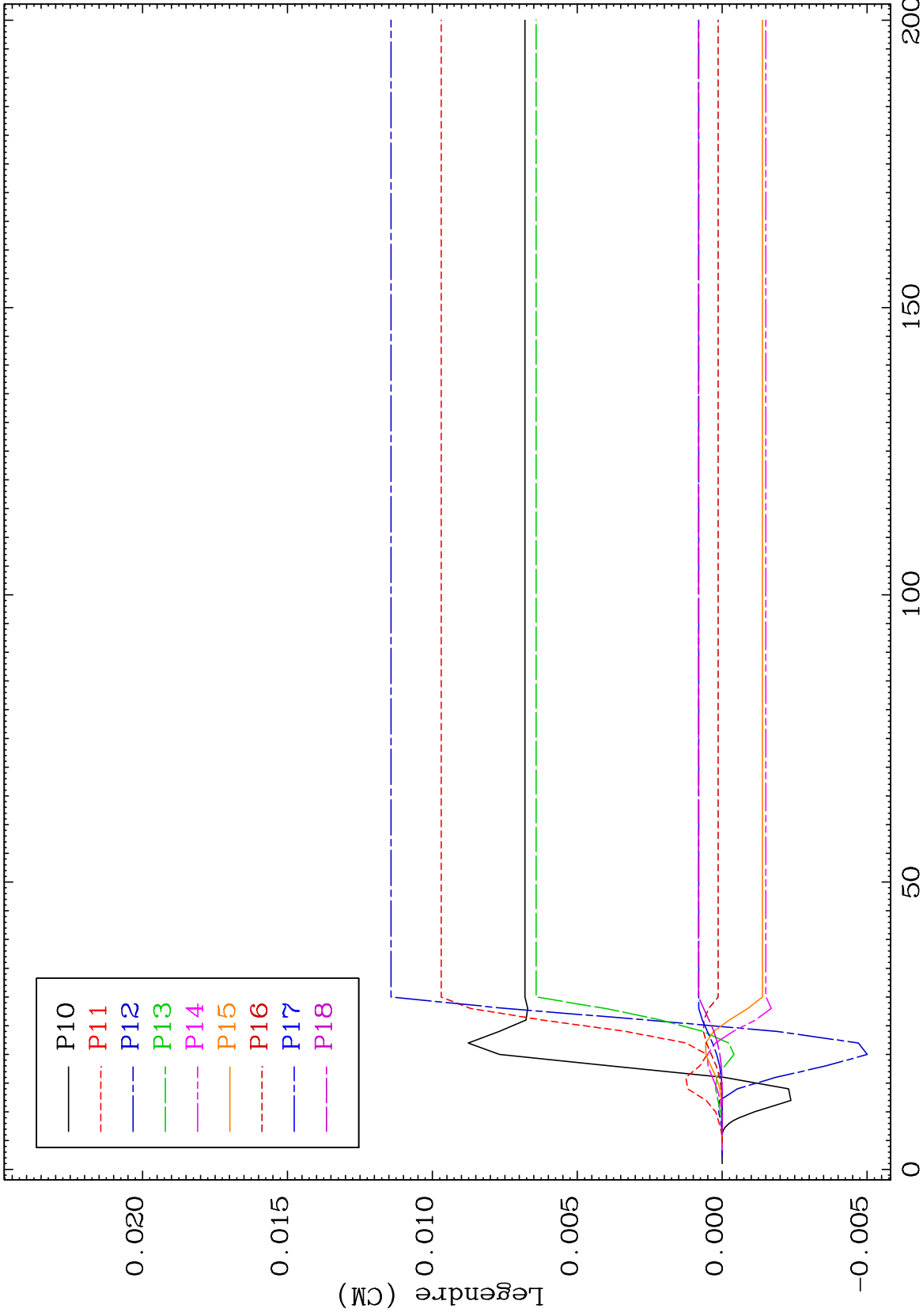
21 40-Zr-80



MAT 3995

MT= 52 (n,n') Level
Legendre Coefficients

40-Zr-80

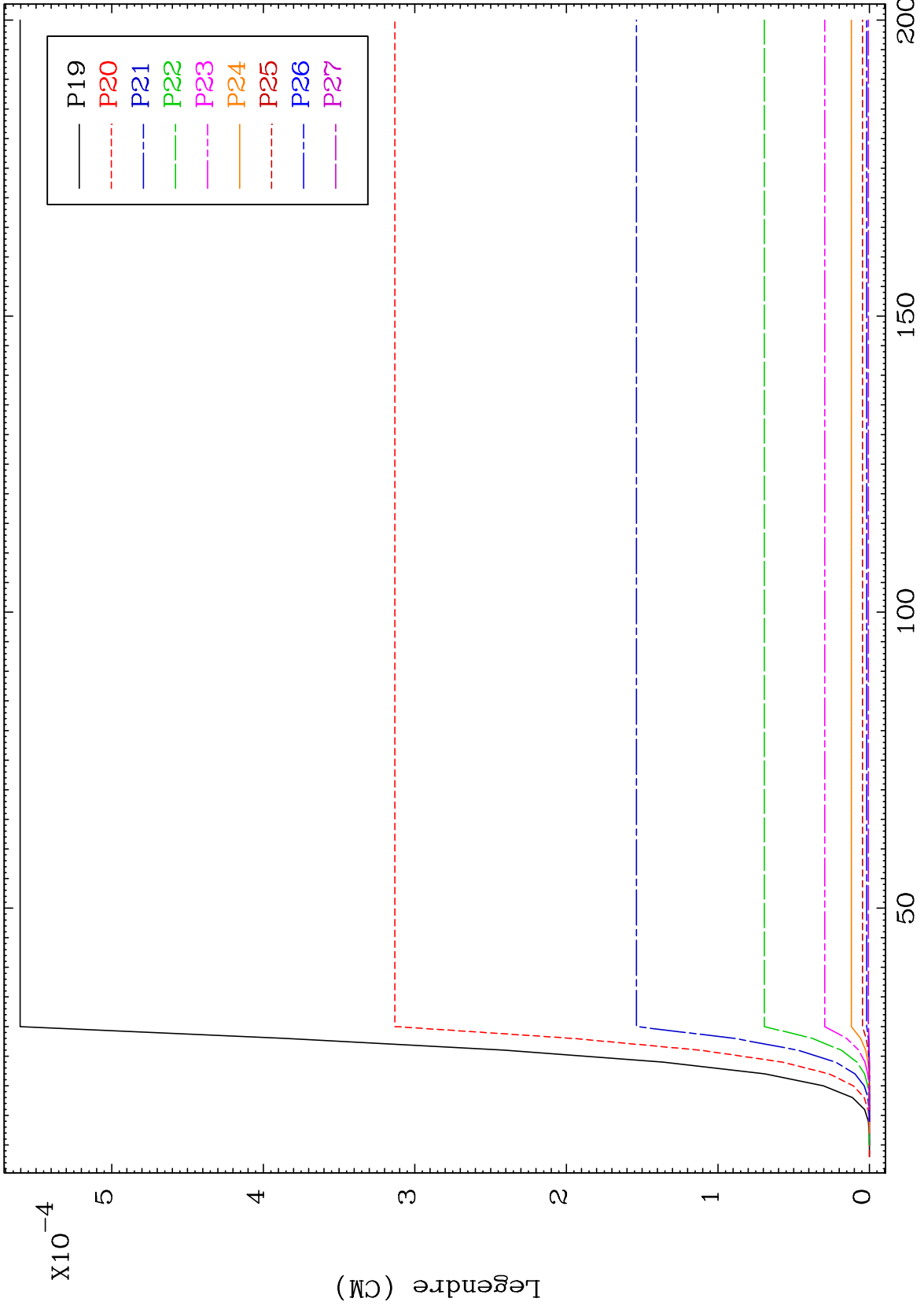


23

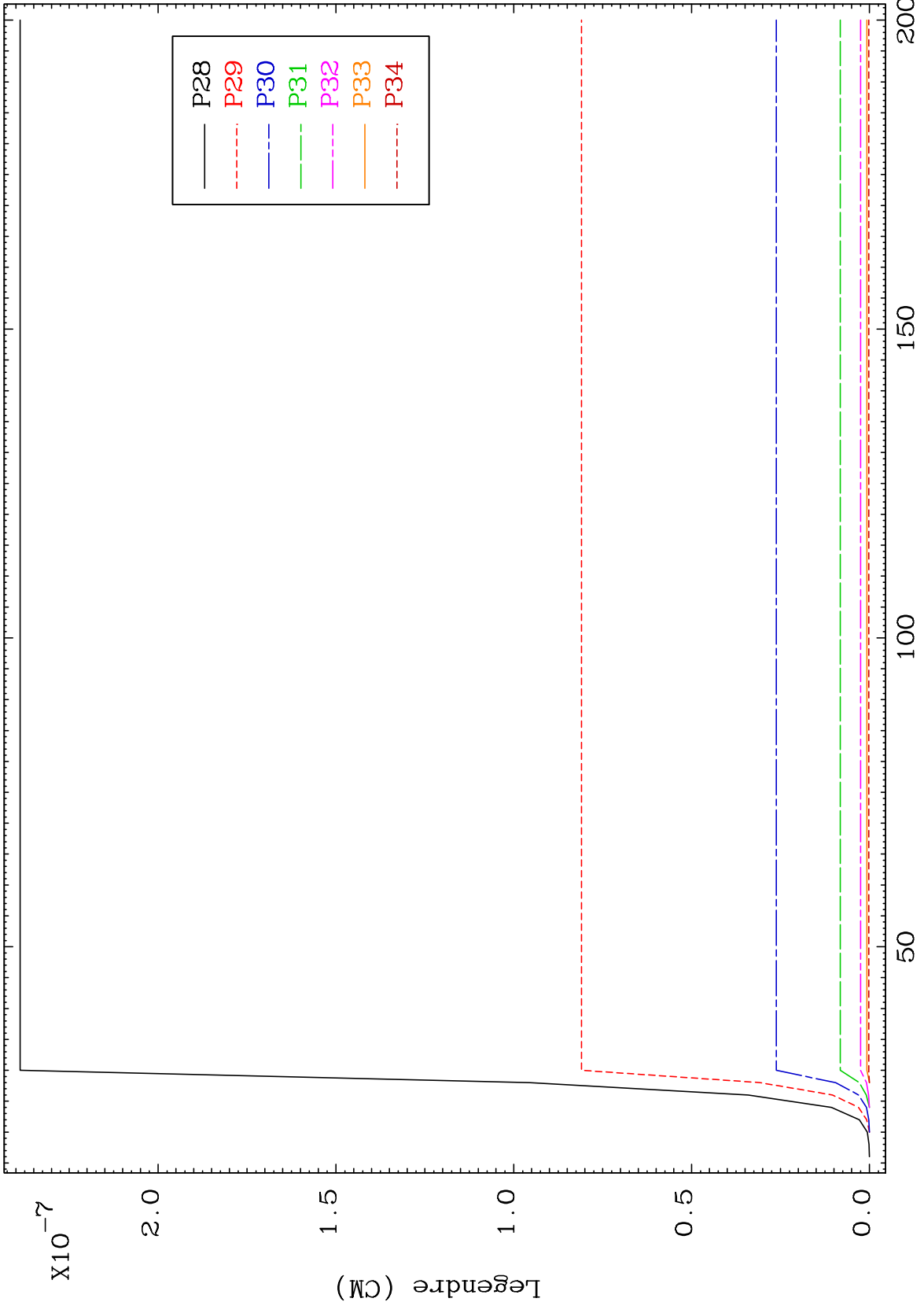
Incident Energy (MeV)

40-Zr-80

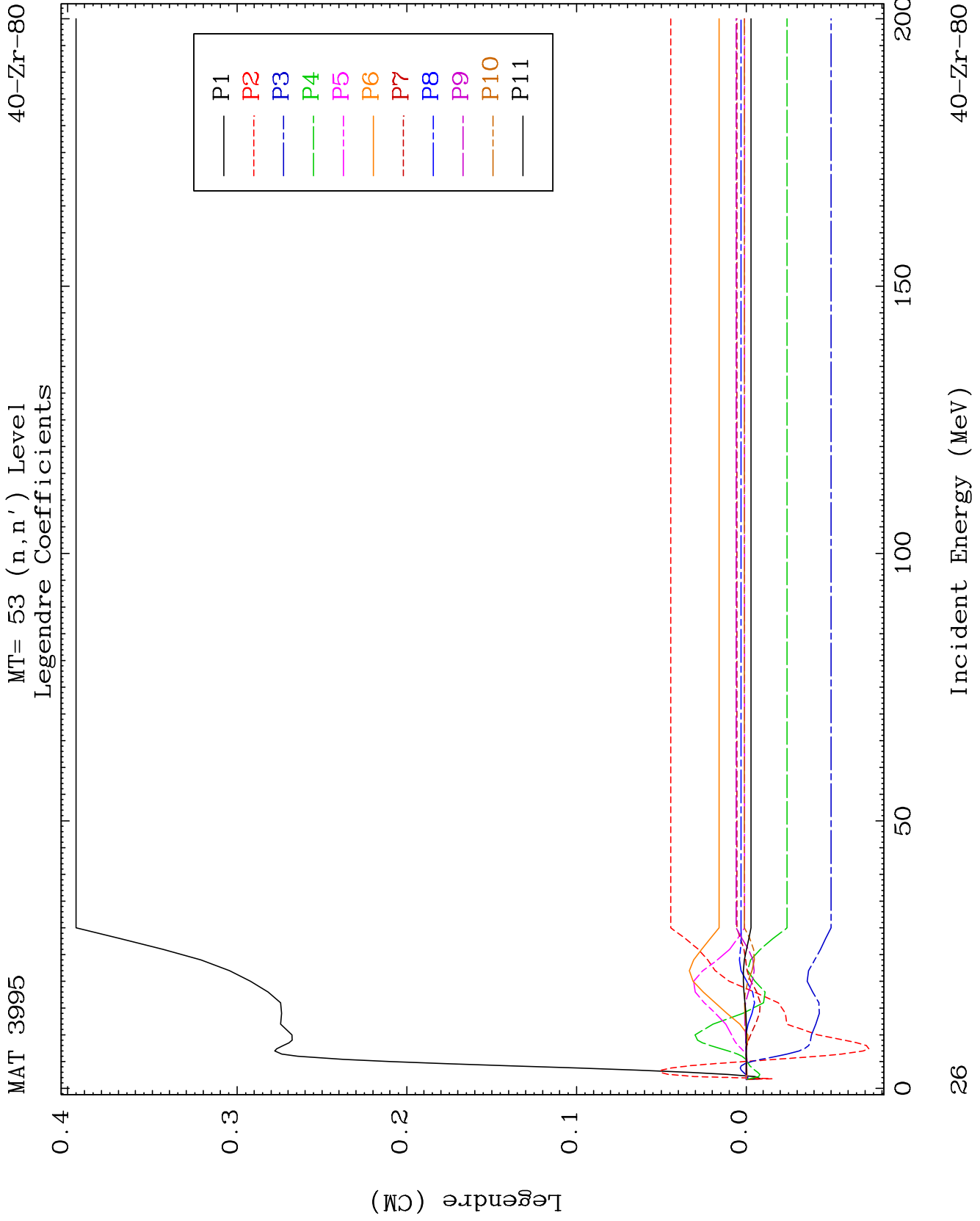
MAT 3995 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-80



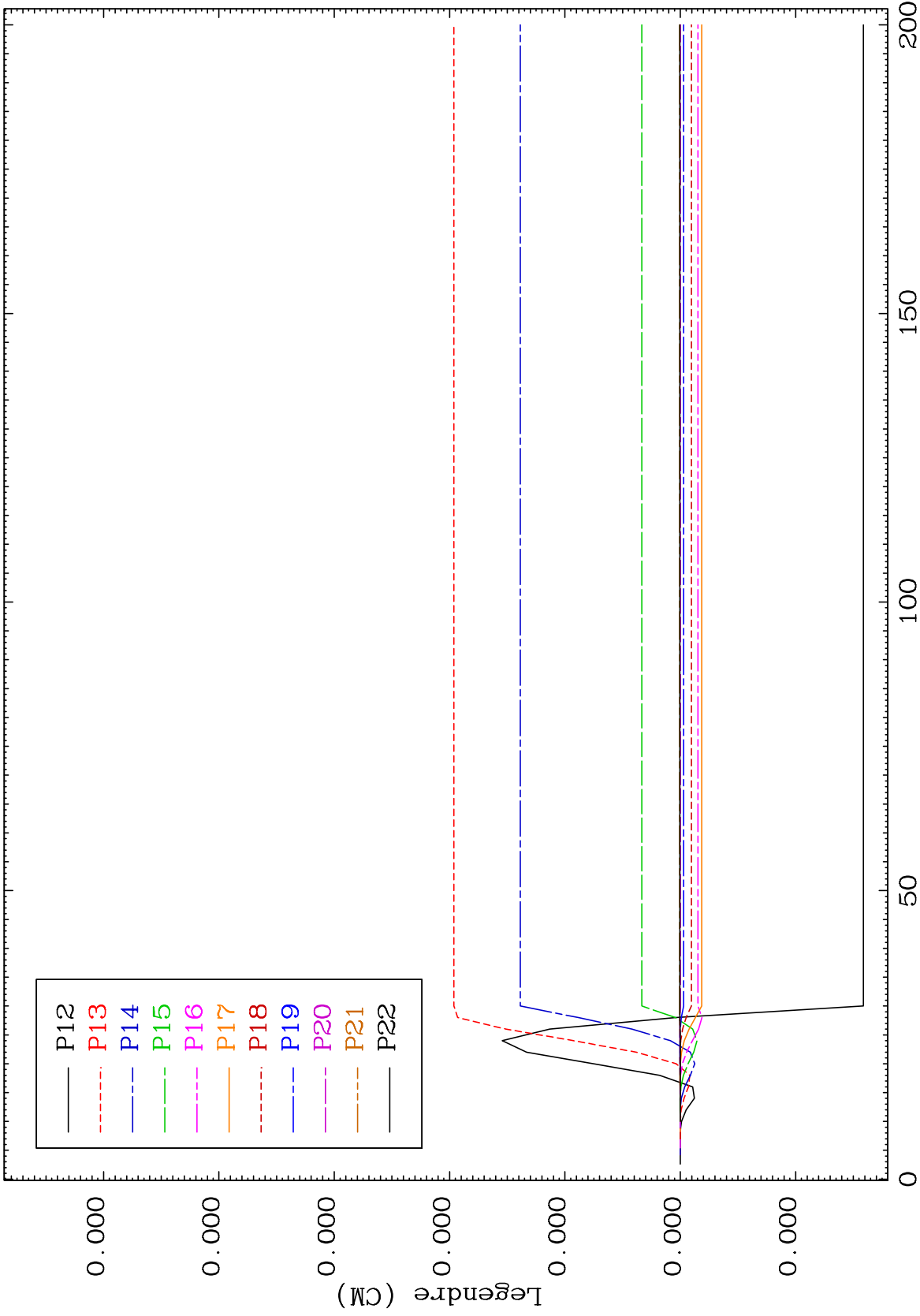
25 50 100 150 200 40-Zr-80



MAT 3995

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

40-Zr-80

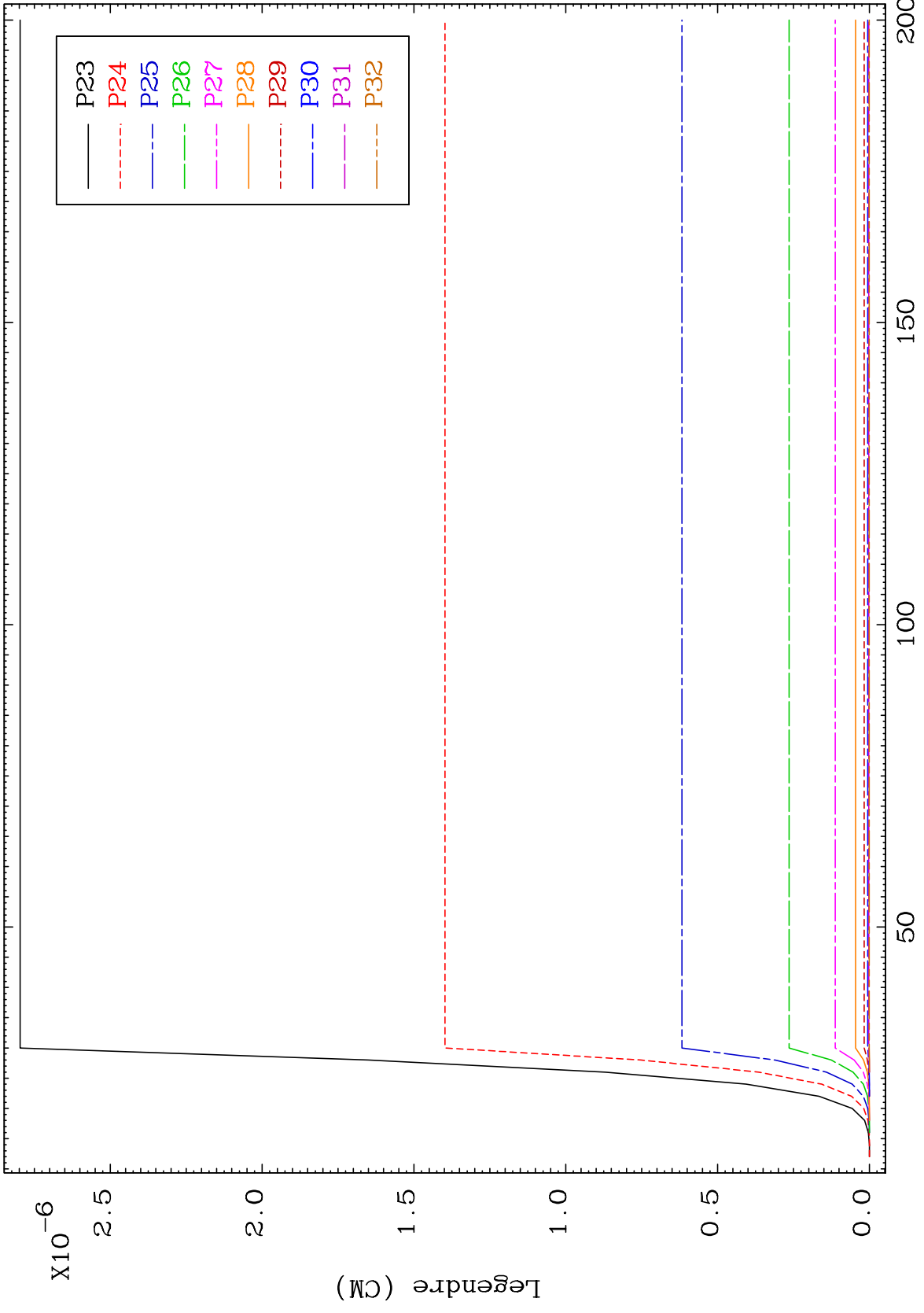


27

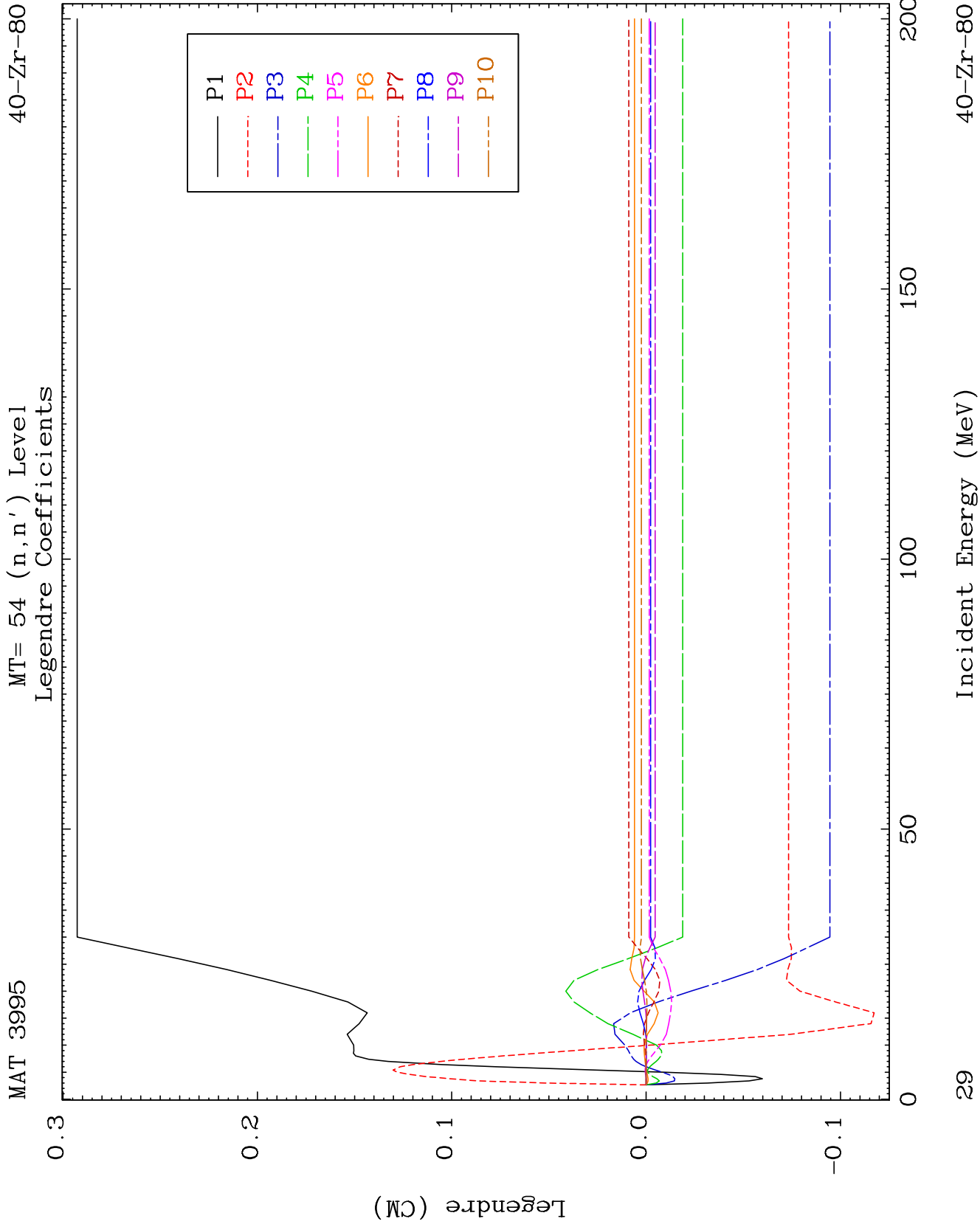
Incident Energy (MeV)

40-Zr-80

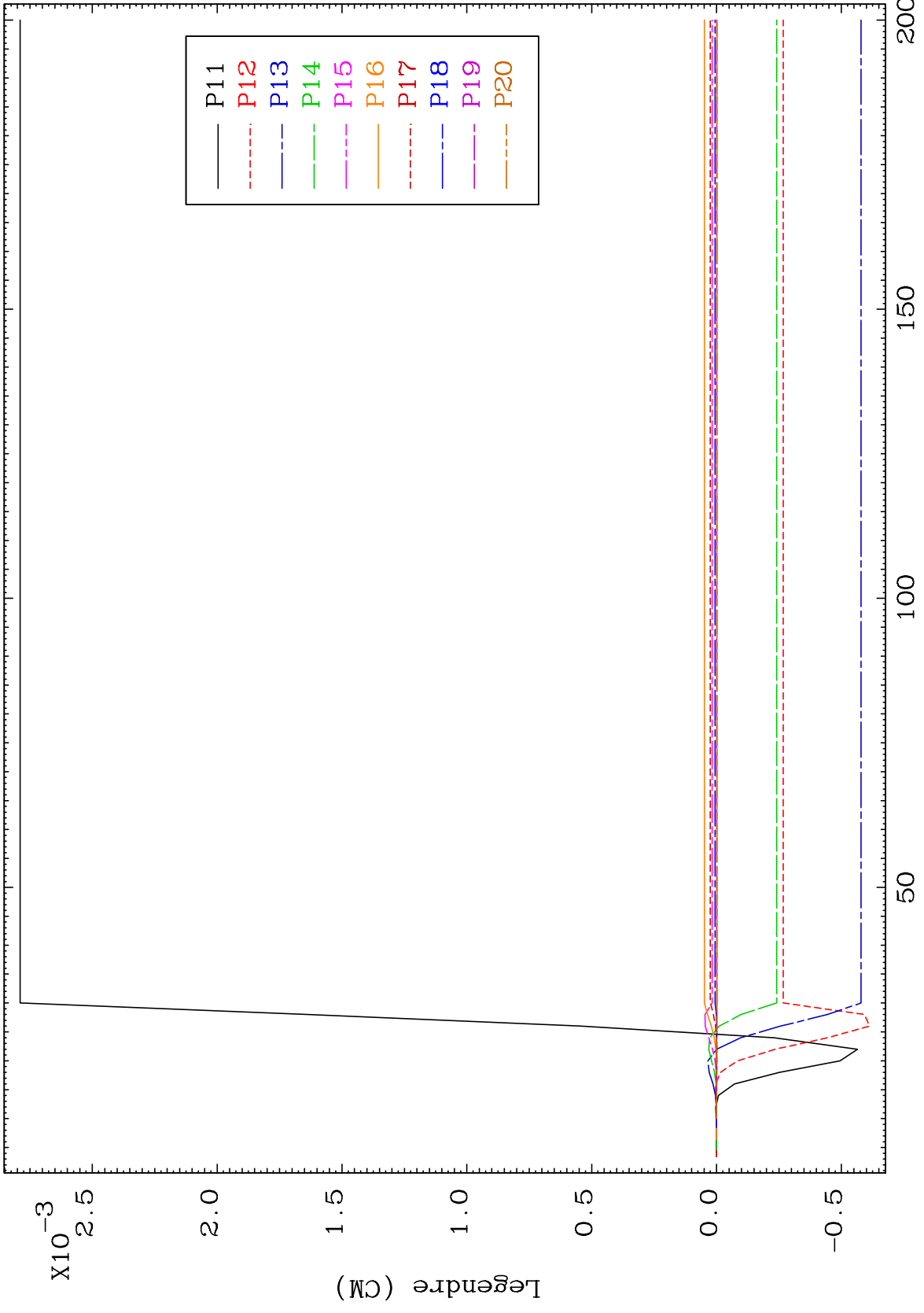
MAT 3995 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-80



28 Incident Energy (MeV) 40-Zr-80



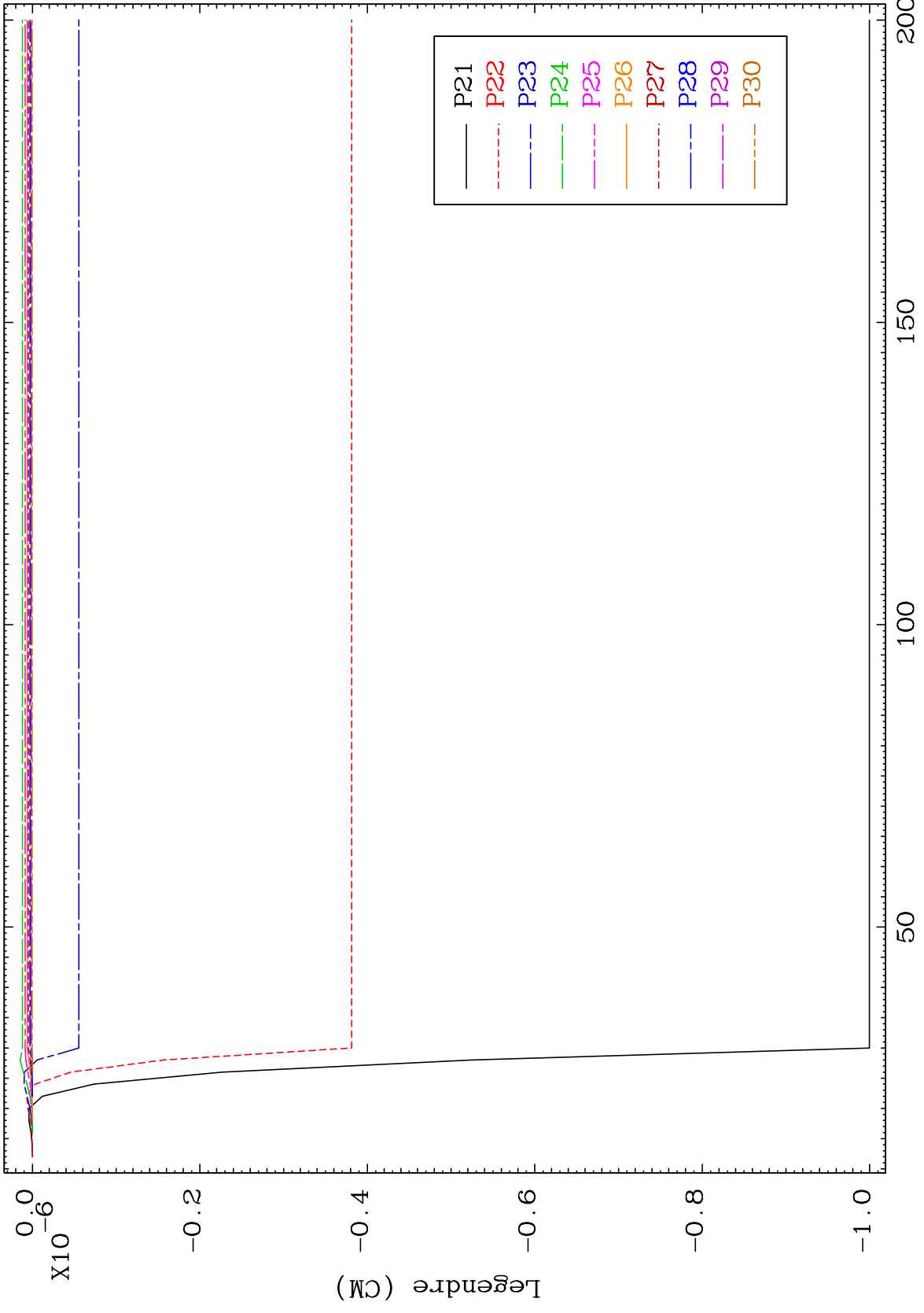
MAT 3995 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-80

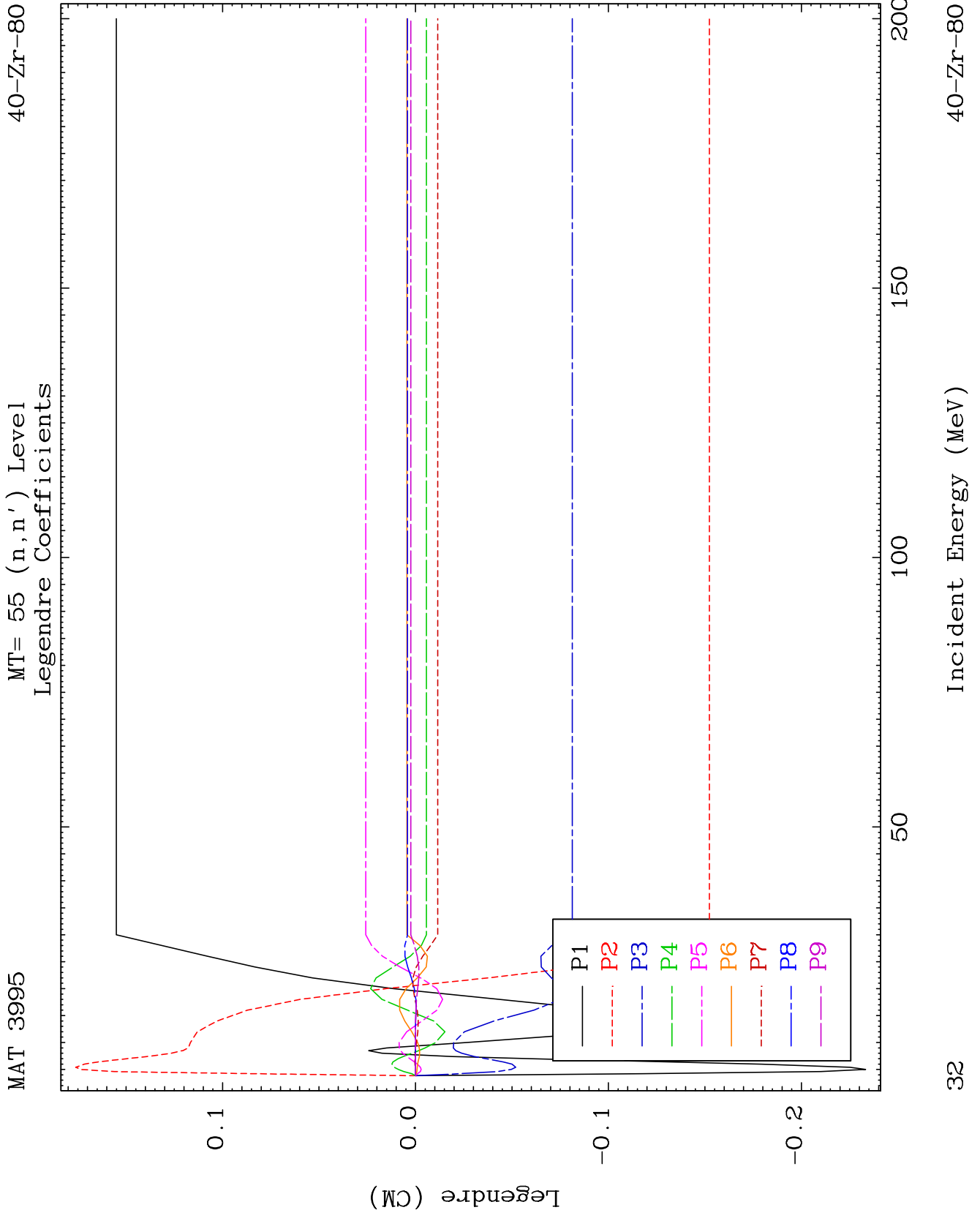


30 Incident Energy (MeV) 40-Zr-80

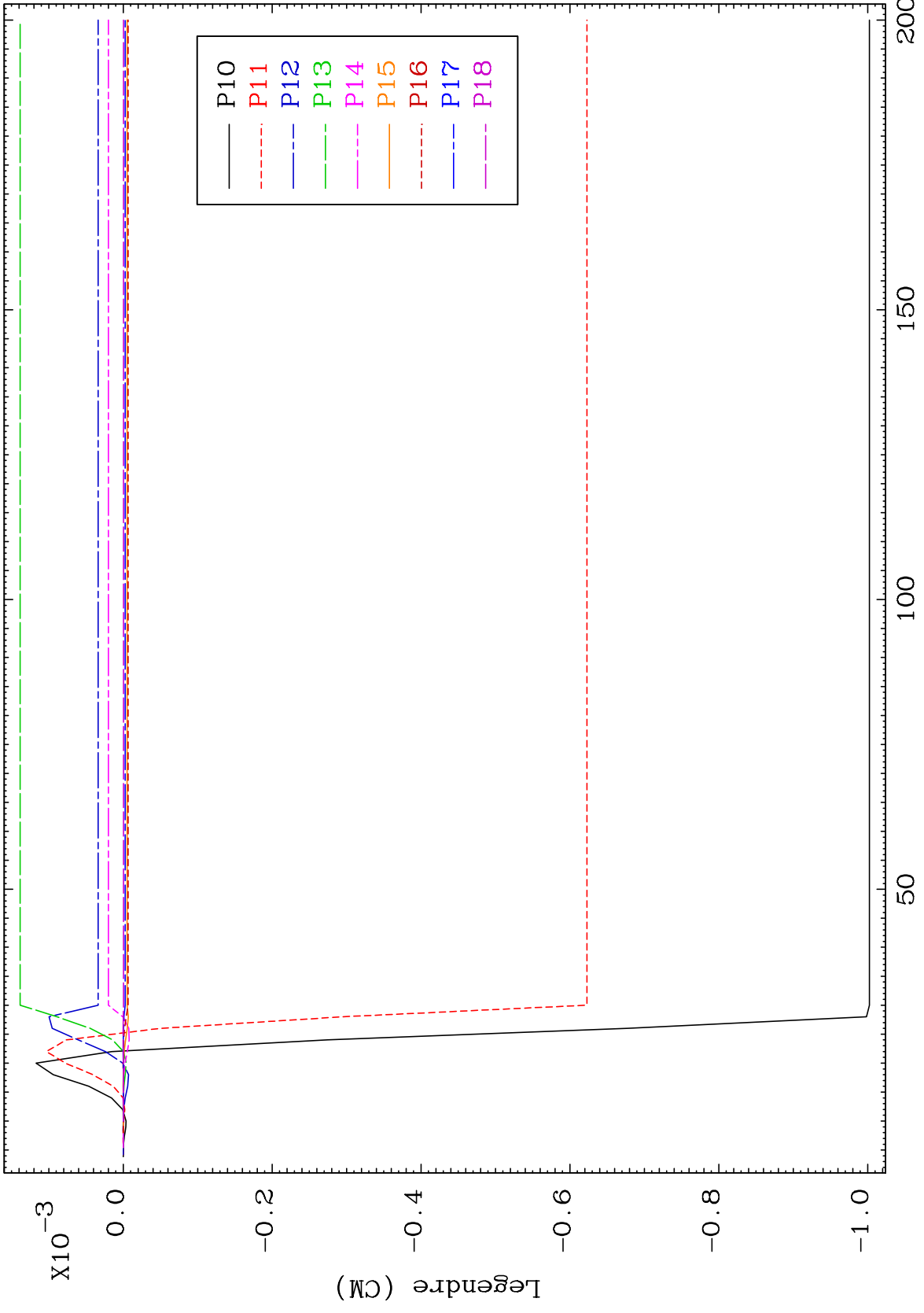
MAT 3995 MT= 54 (n,n') Level 40-Zr-80

Legendre Coefficients

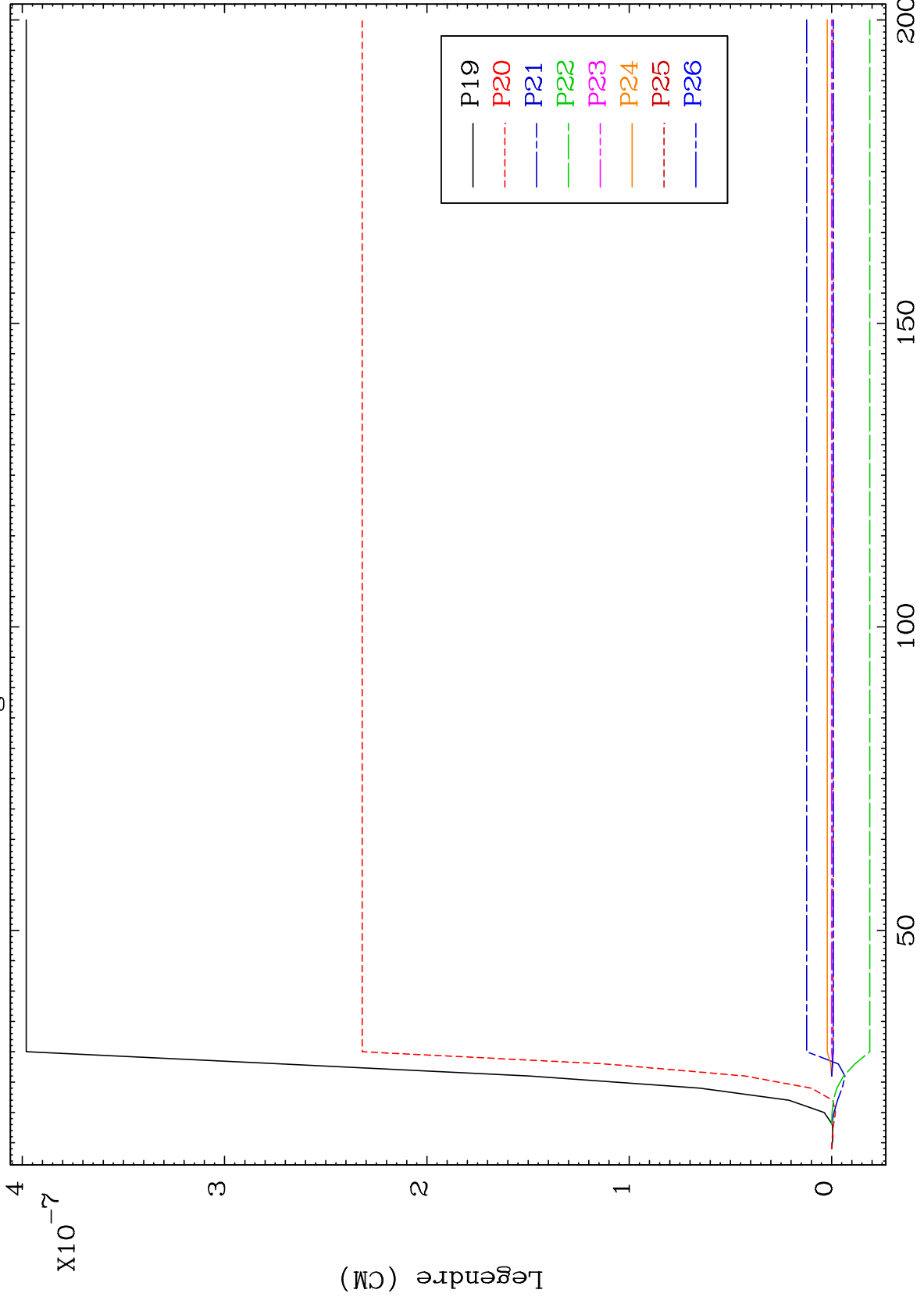




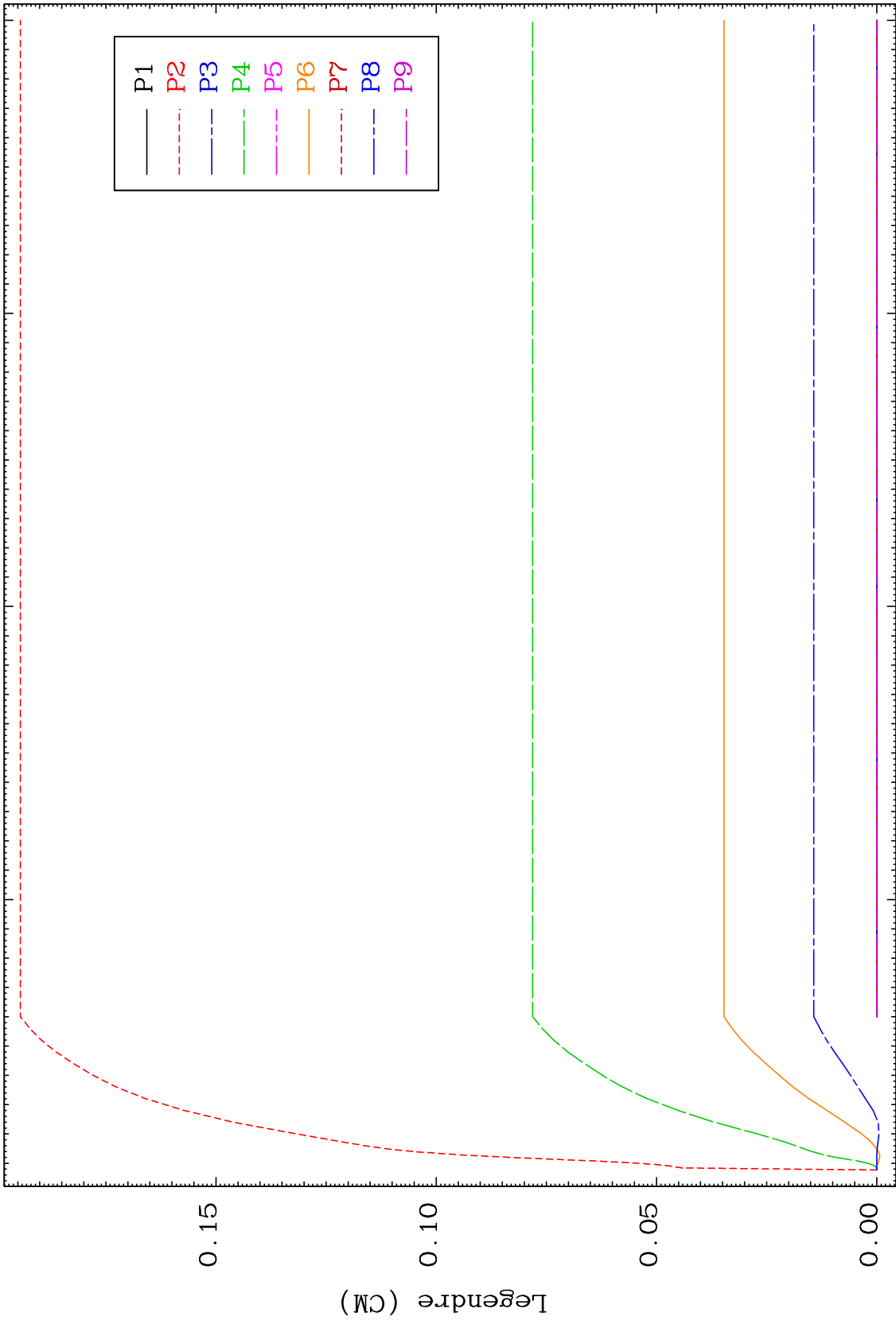
MAT 3995 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-80

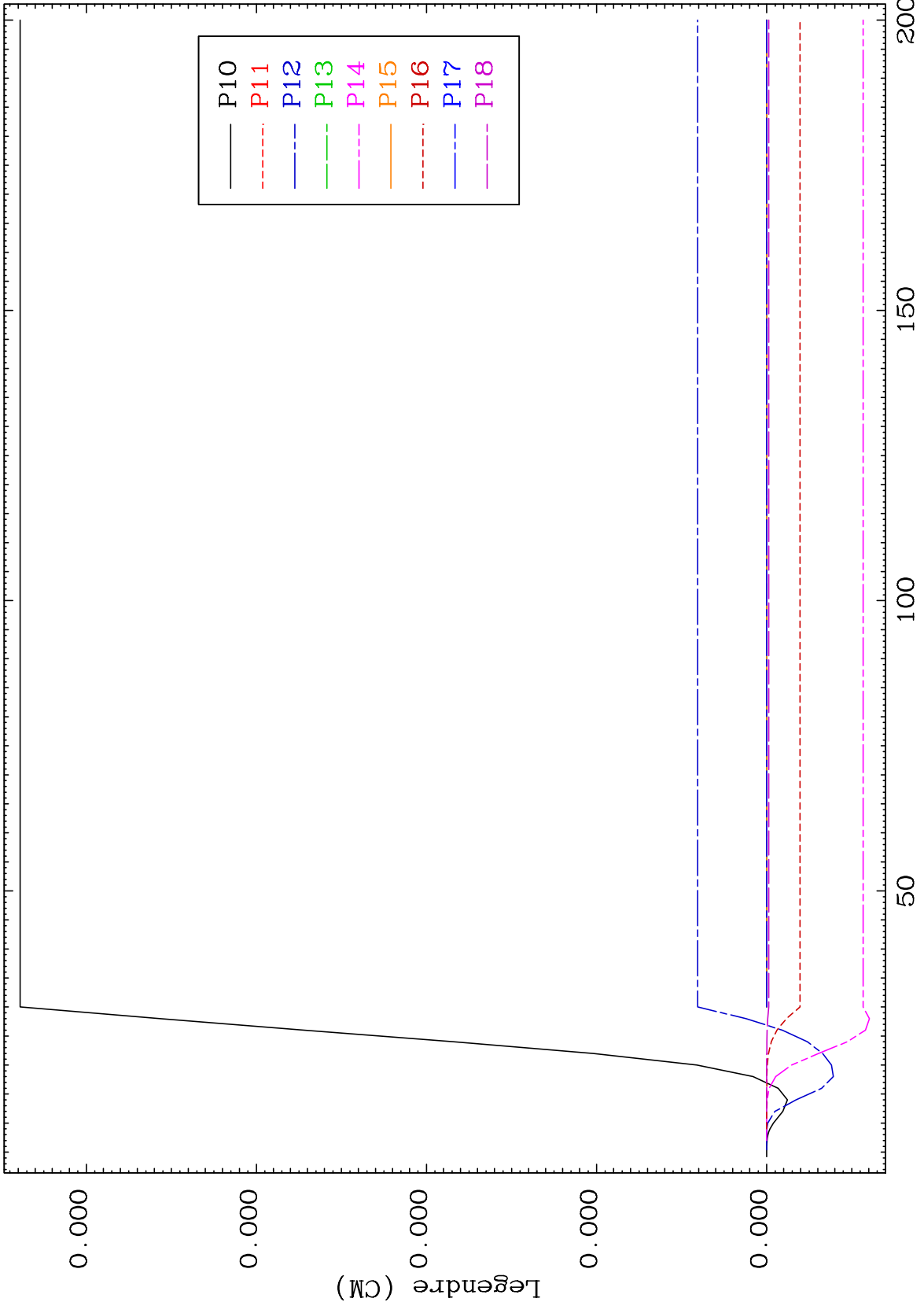


MAT 3995 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-80

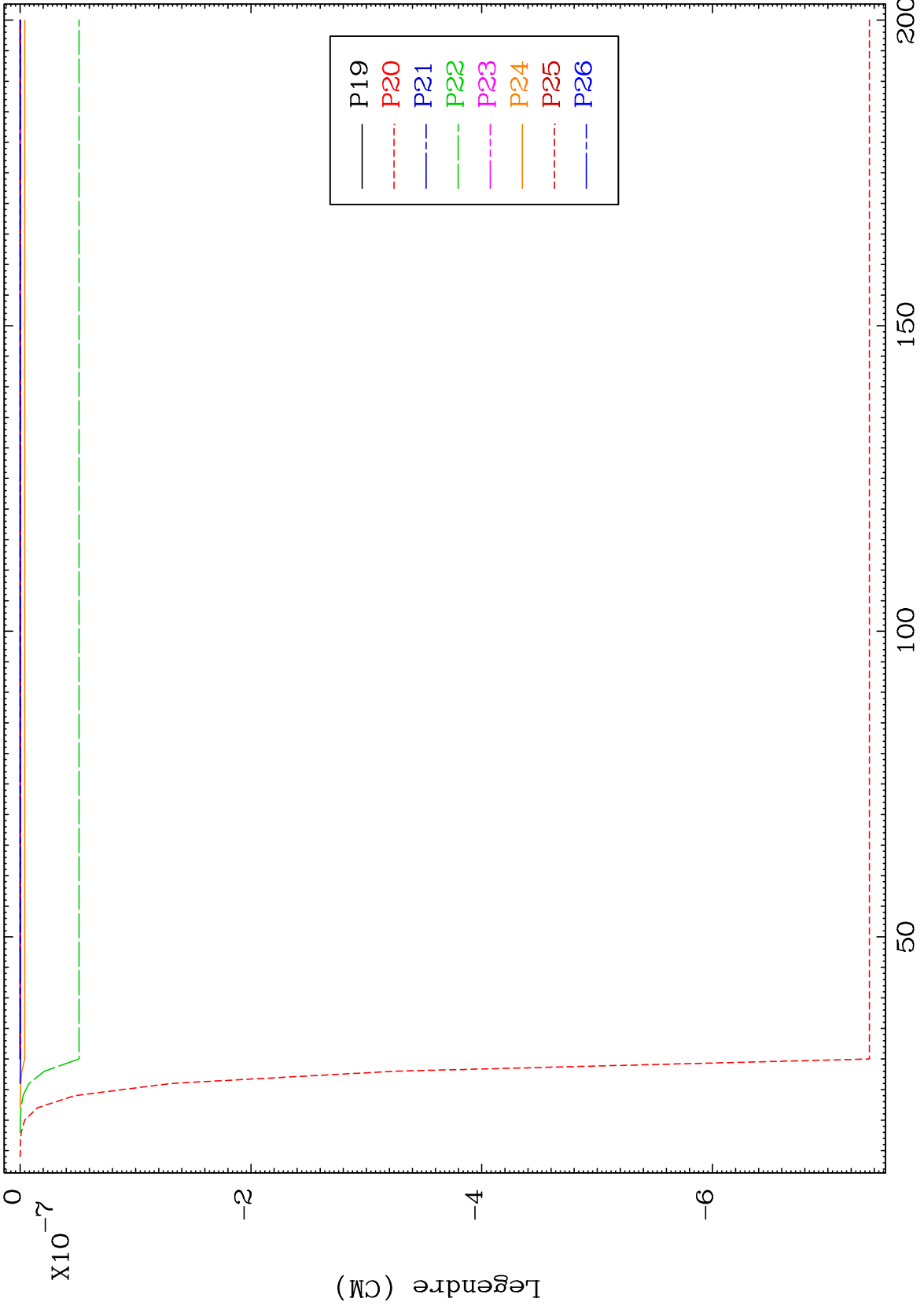


Incident Energy (MeV) 40-Zr-80

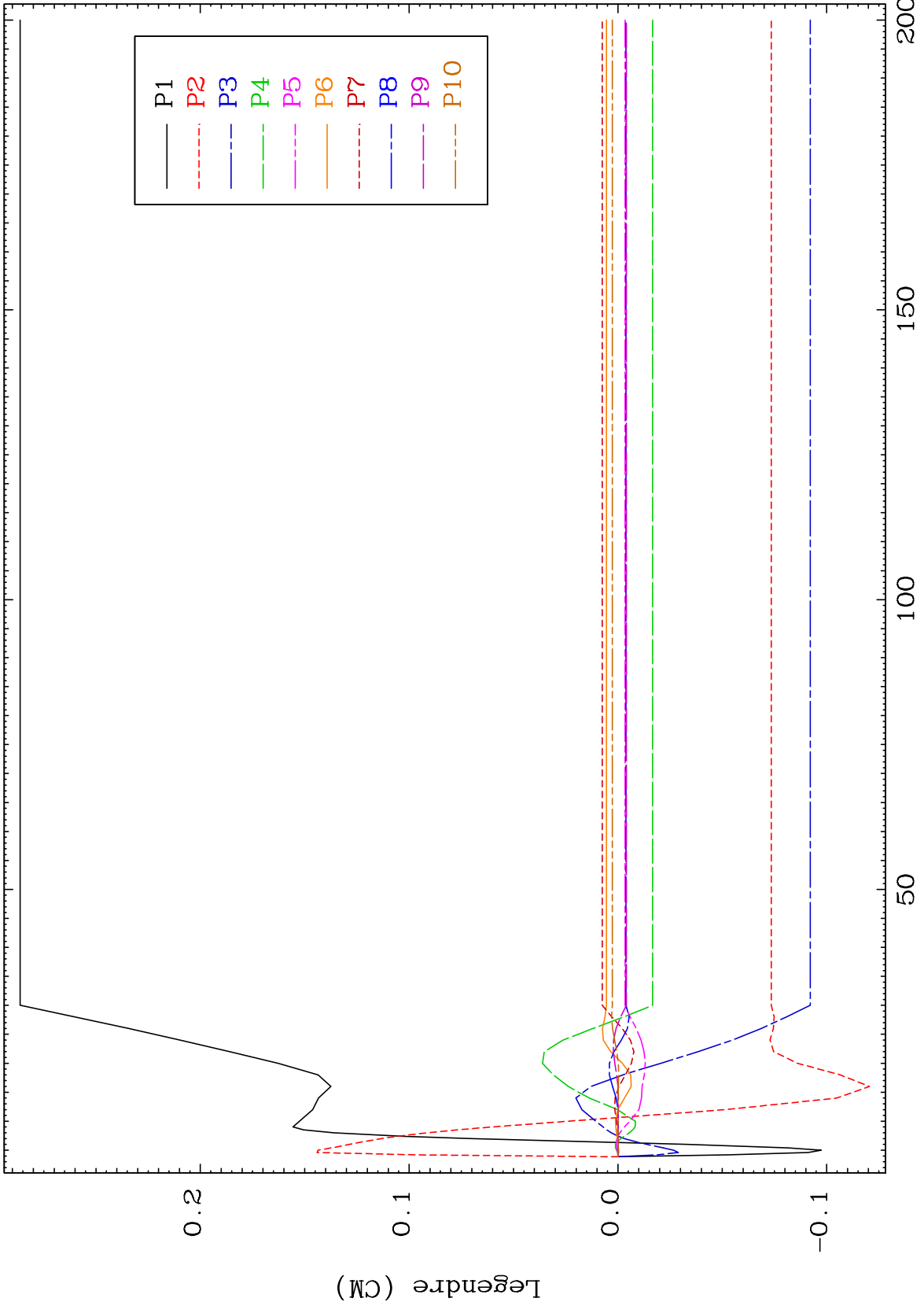
MAT 3995 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-80



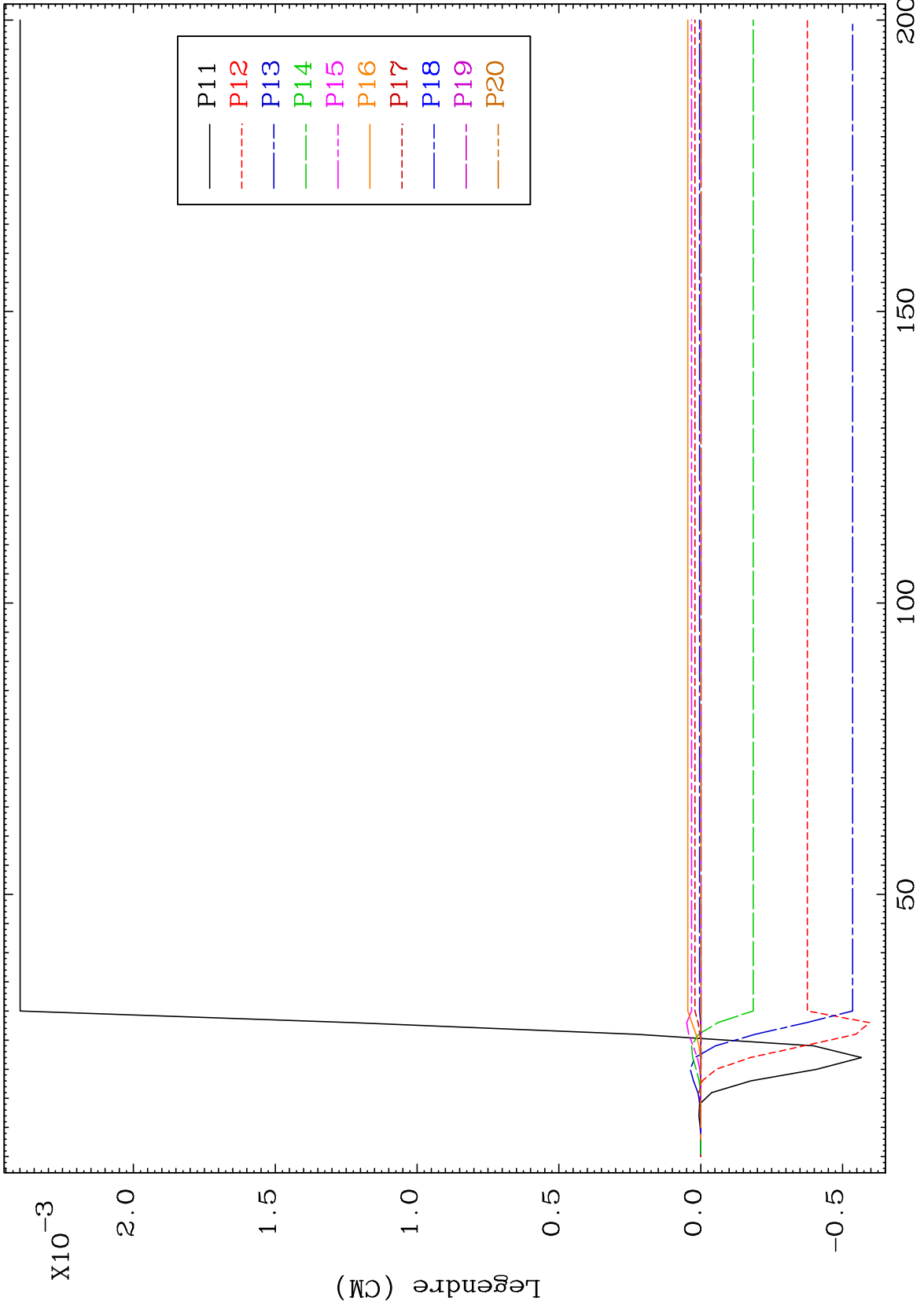
MAT 3995 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995

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

40-Zr-80

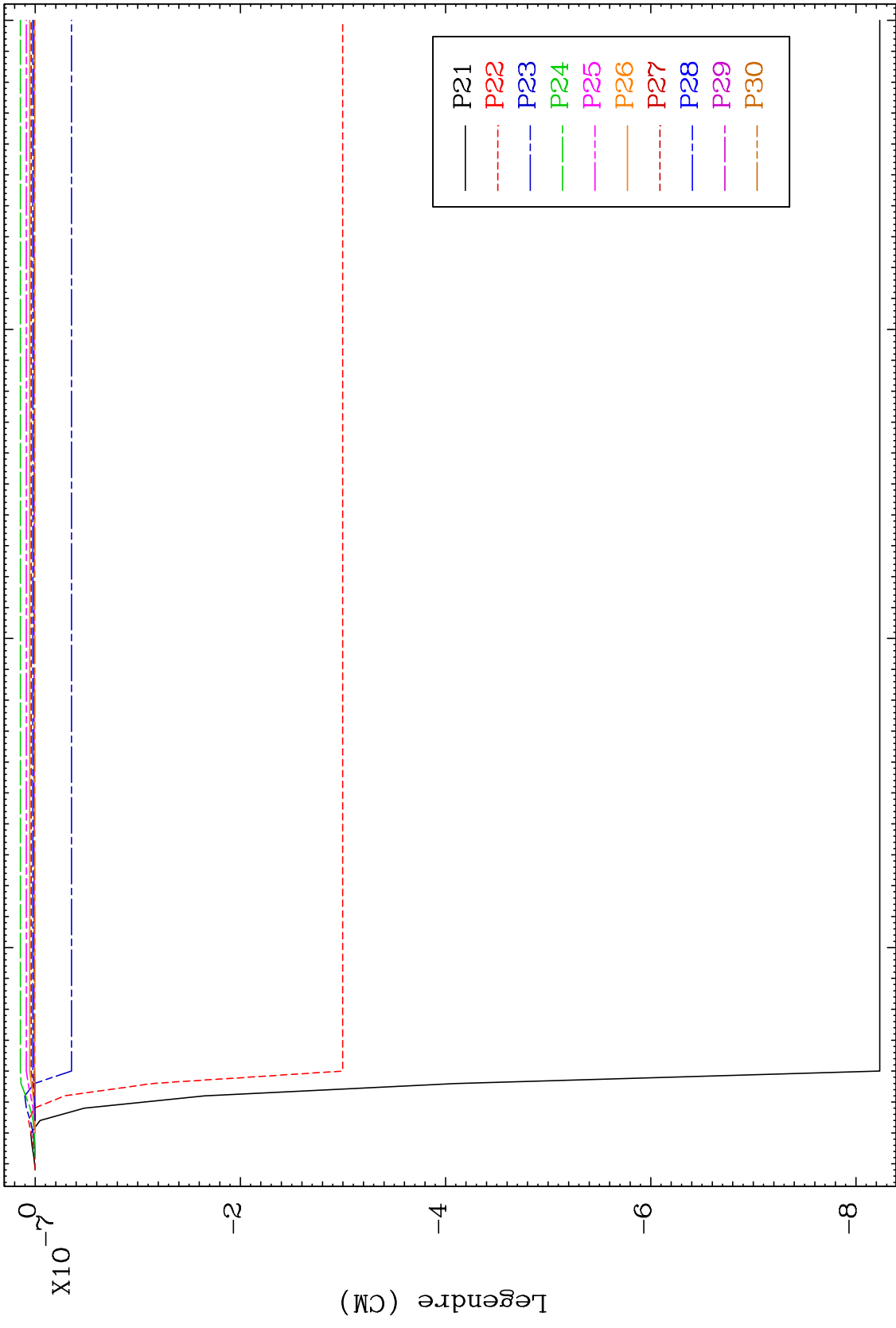


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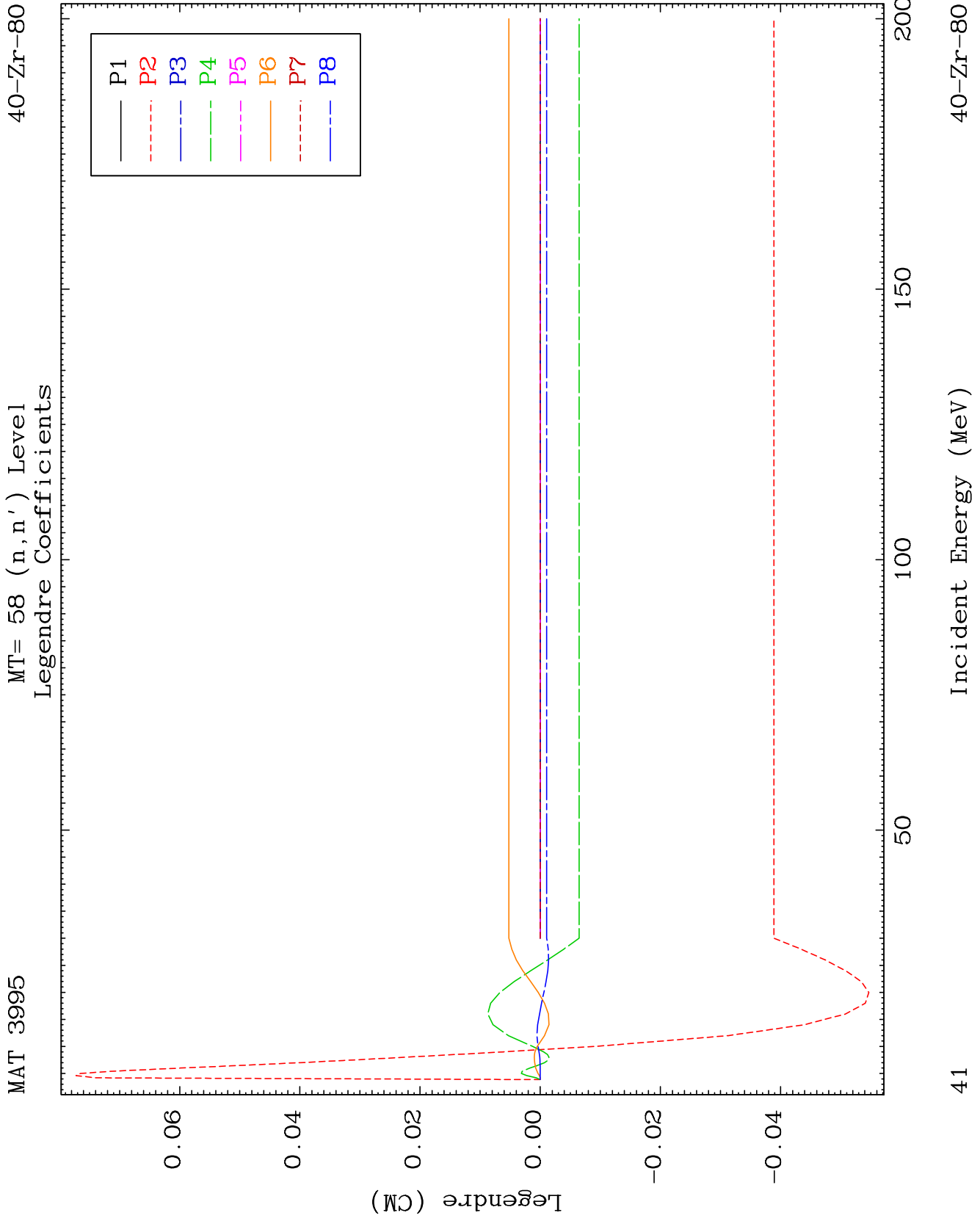
Incident Energy (MeV)

40-Zr-80

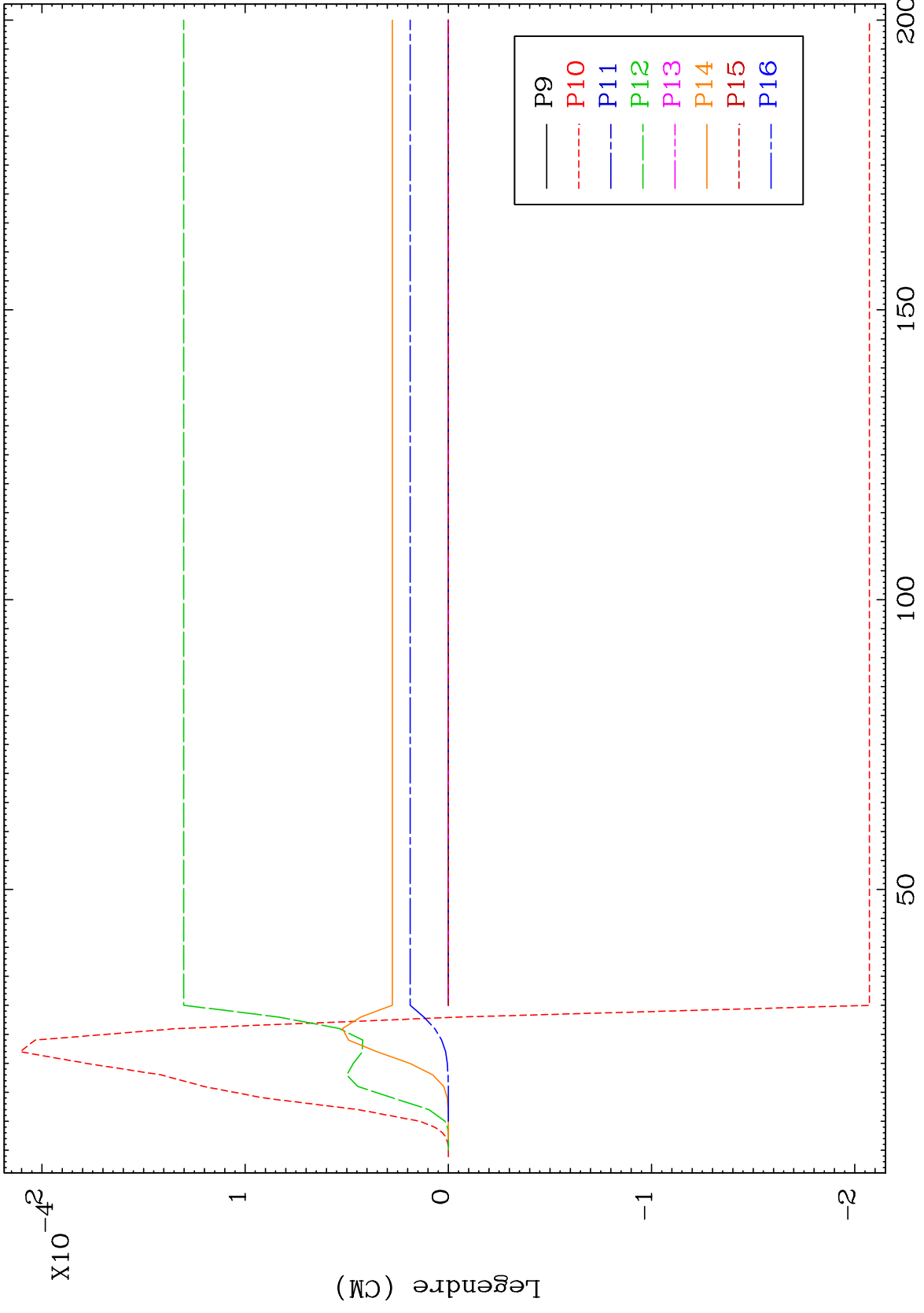
MAT 3995 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-80



40-Zr-80

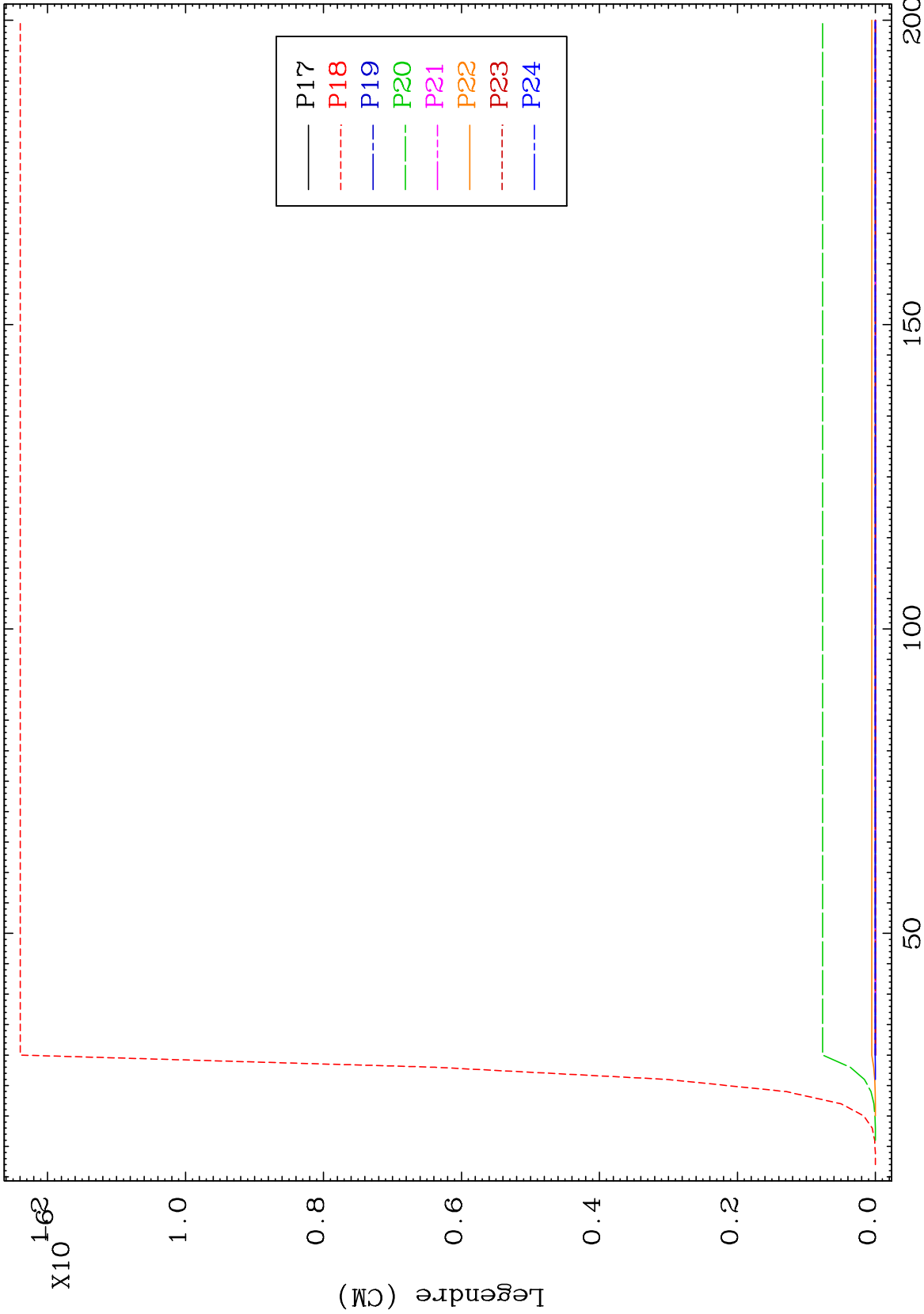


MAT 3995 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995 MT= 58 (n,n') Level Legendre Coefficients

40-Zr-80

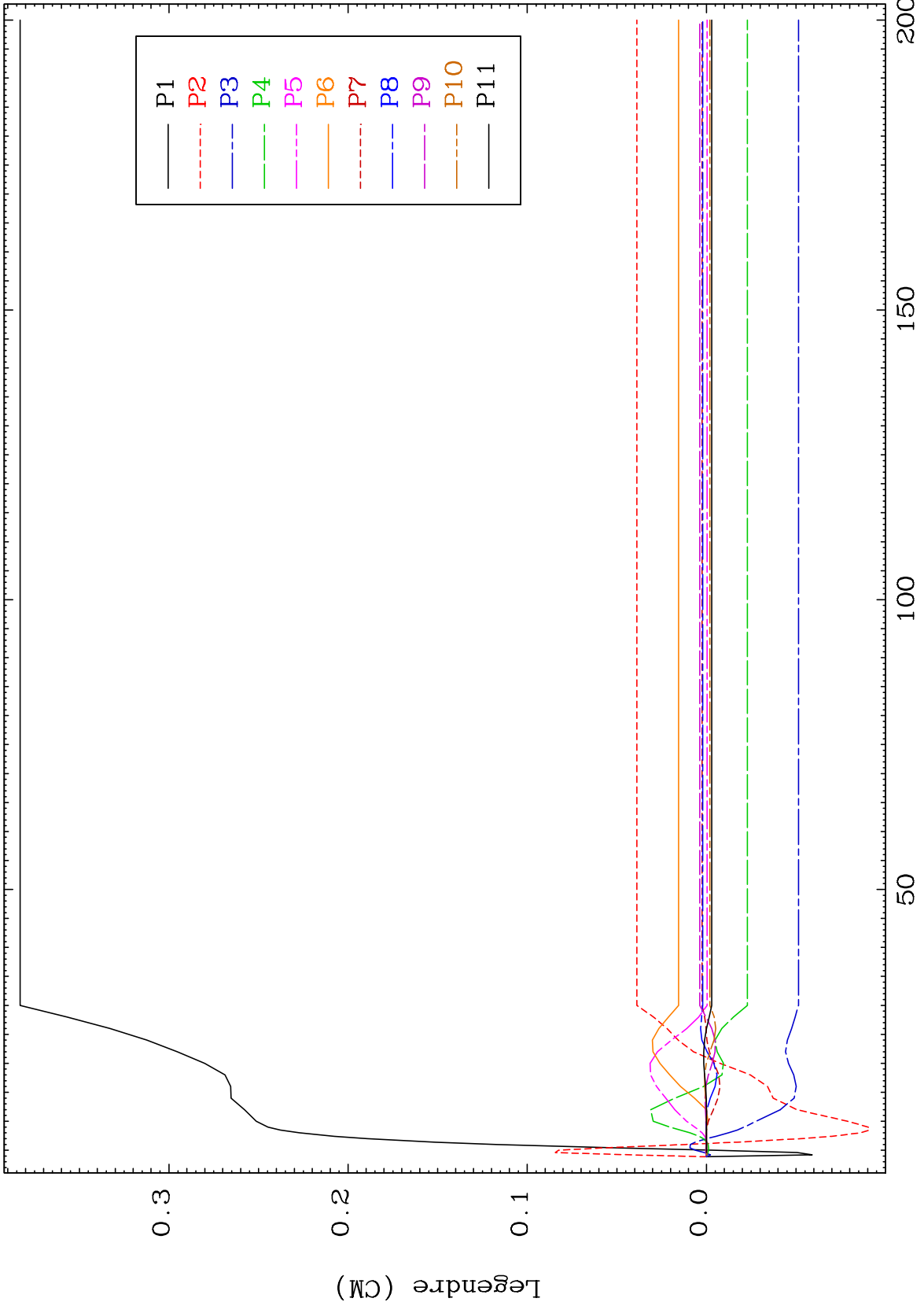


40-Zr-80

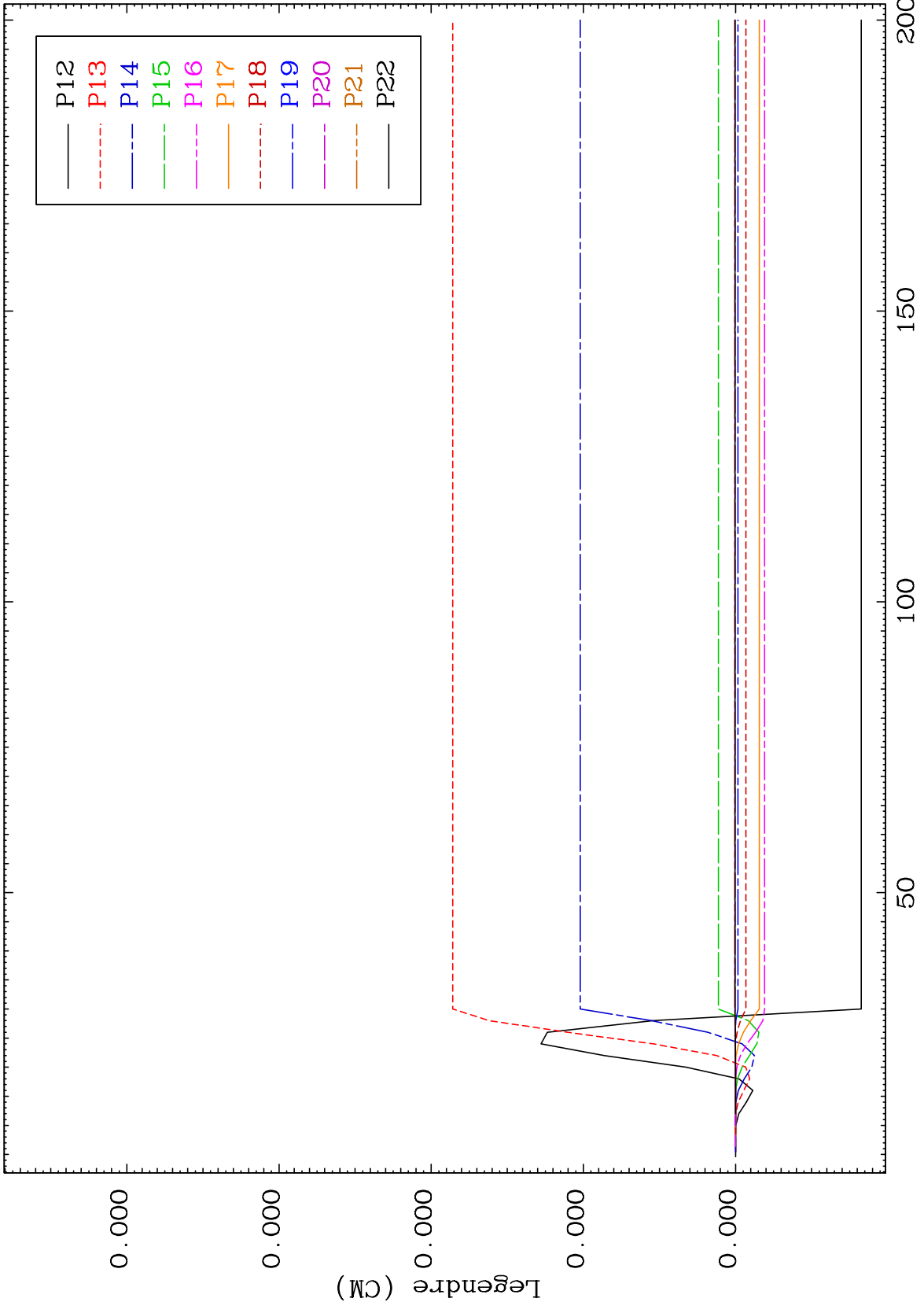
Incident Energy (MeV)

43

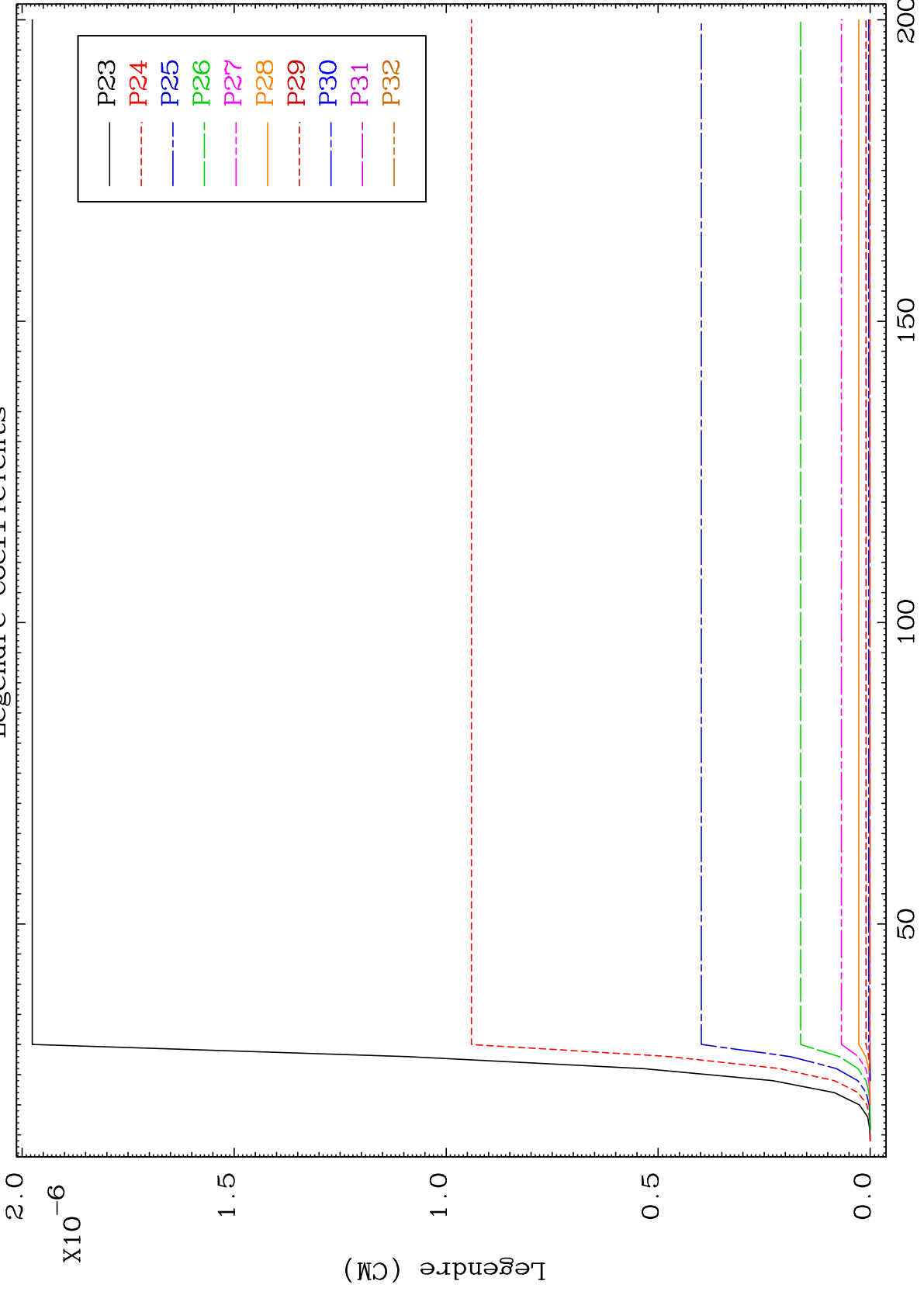
MAT 3995 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-80

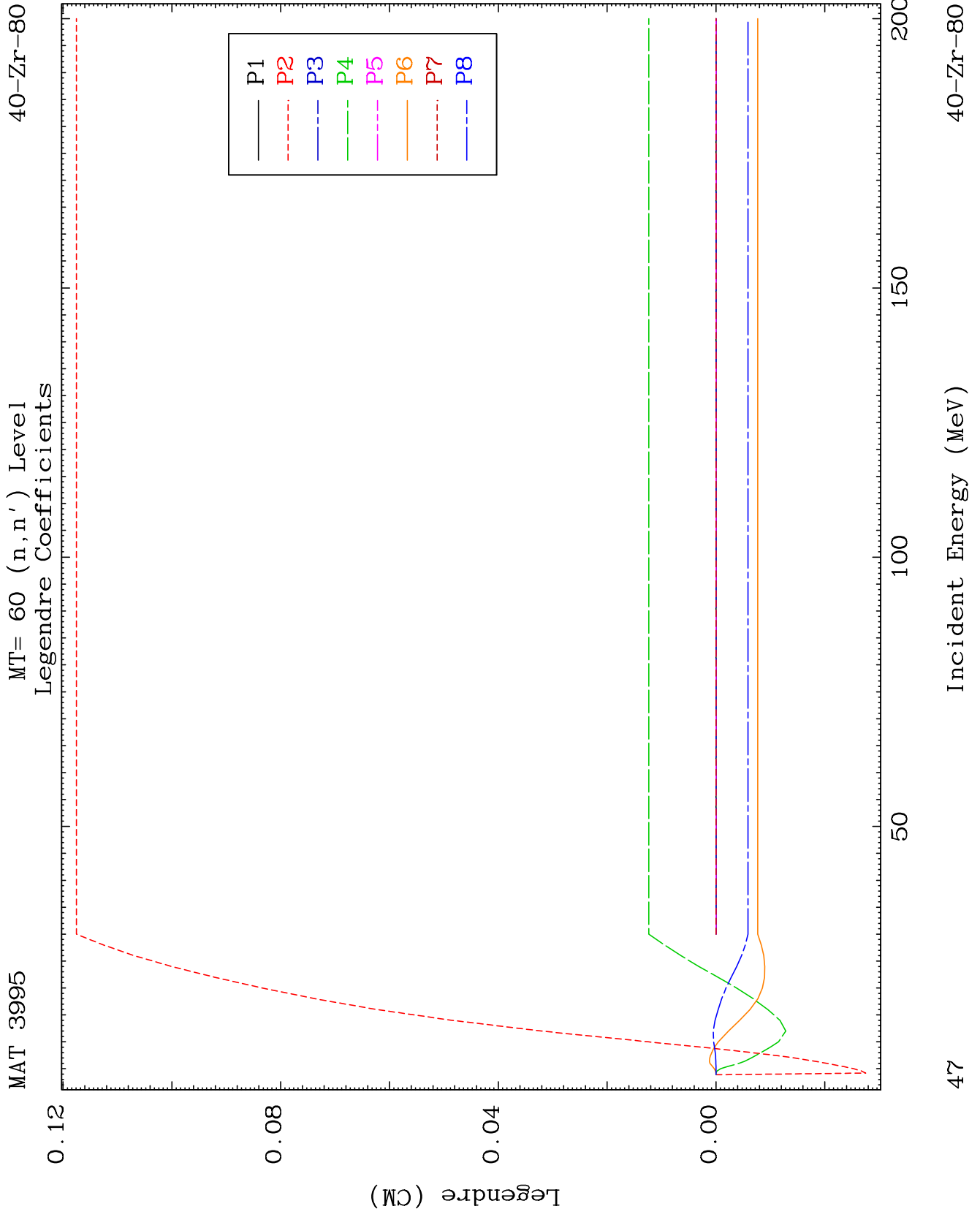


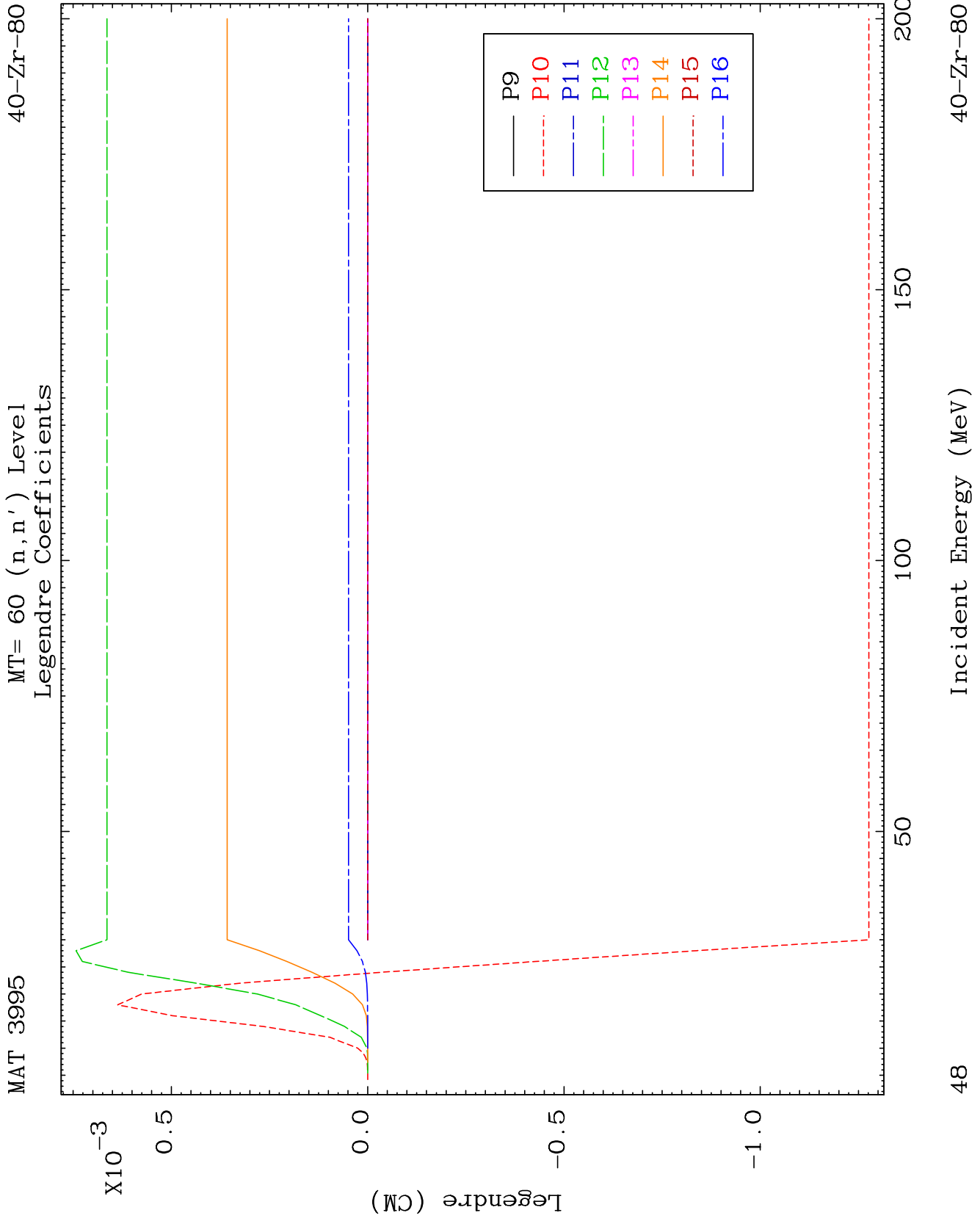
MAT 3995 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-80



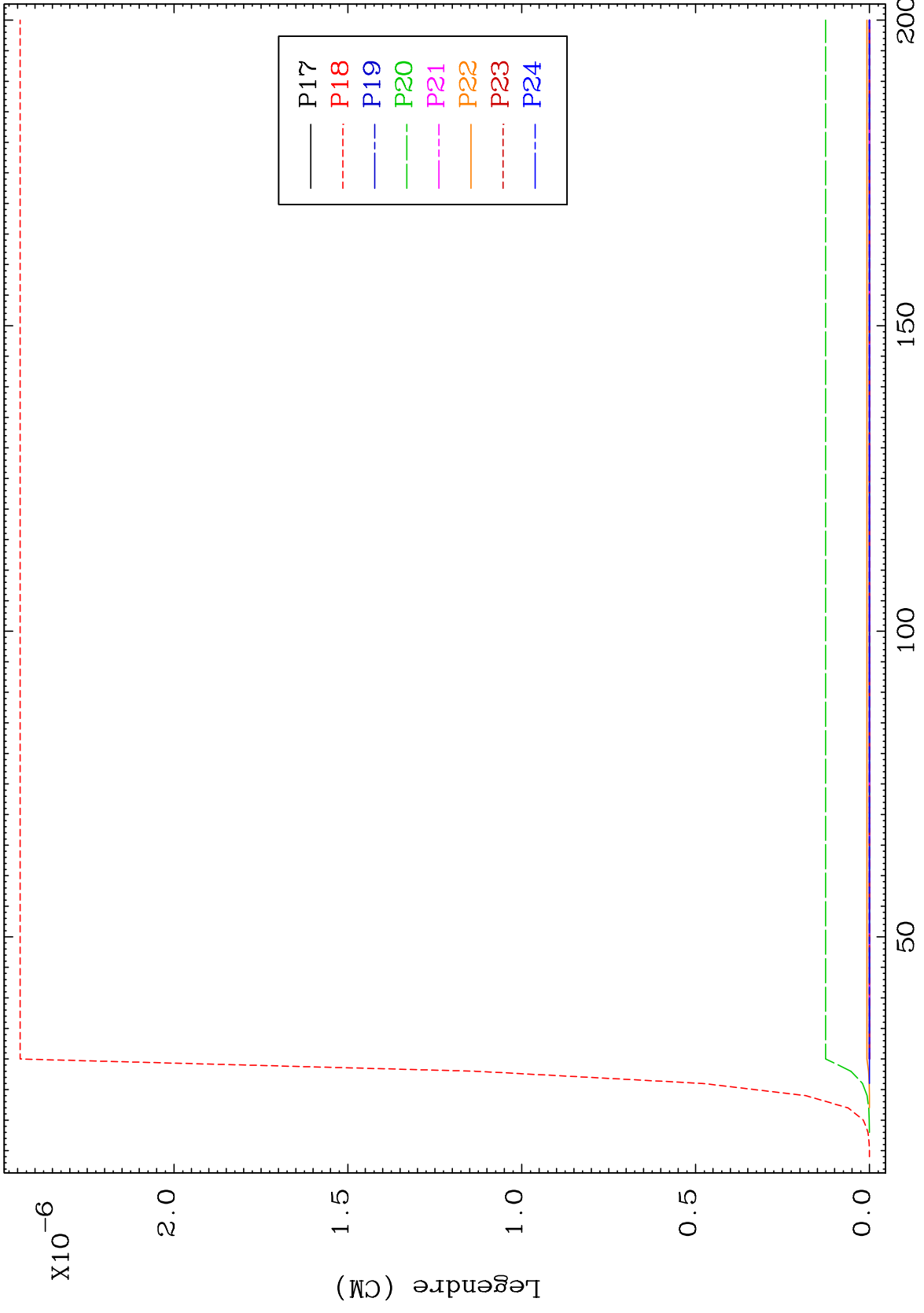
MAT 3995 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-80







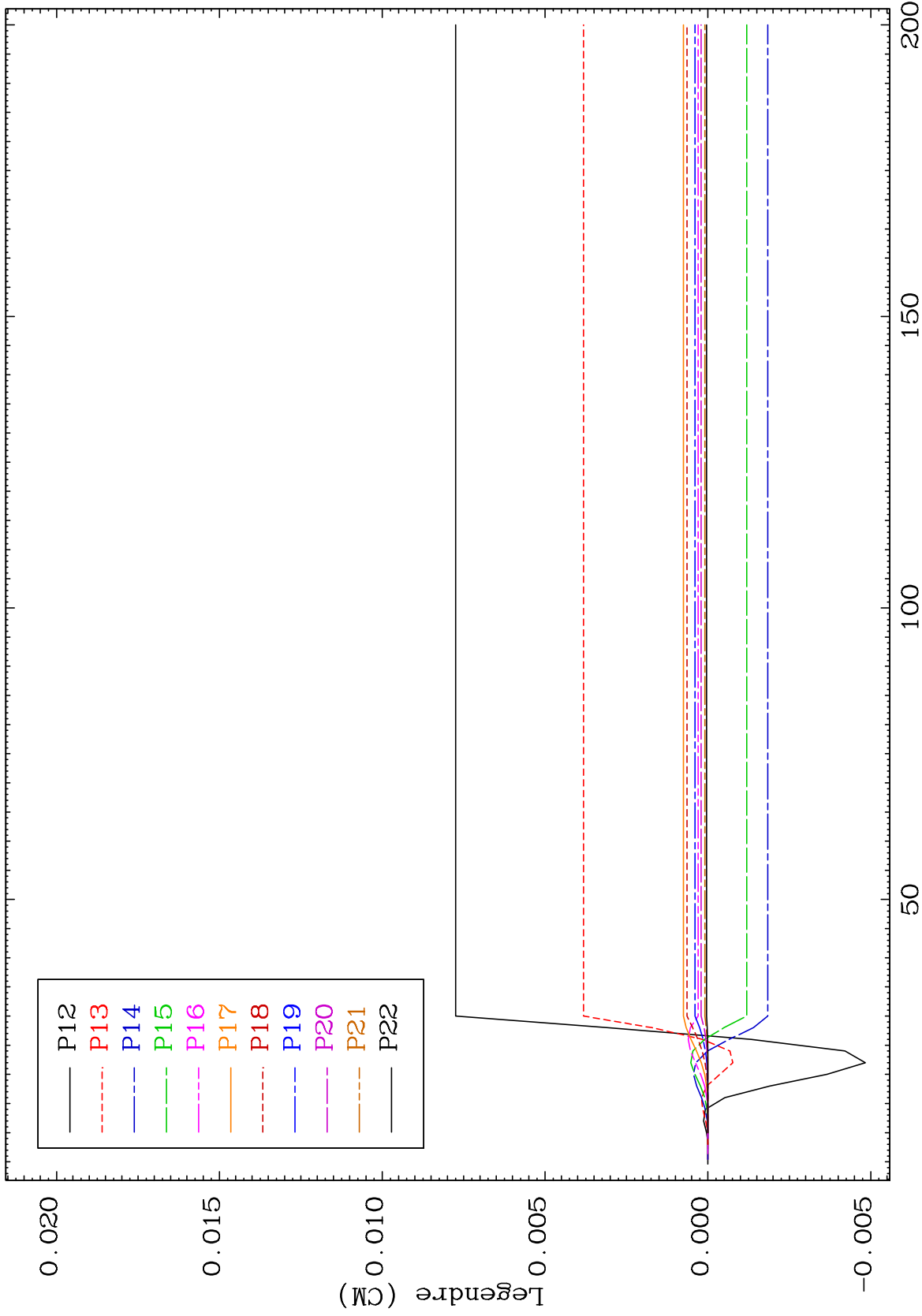
MAT 3995 MT= 60 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995

MT= 61 (n,n') Level
Legendre Coefficients

40-Zr-80

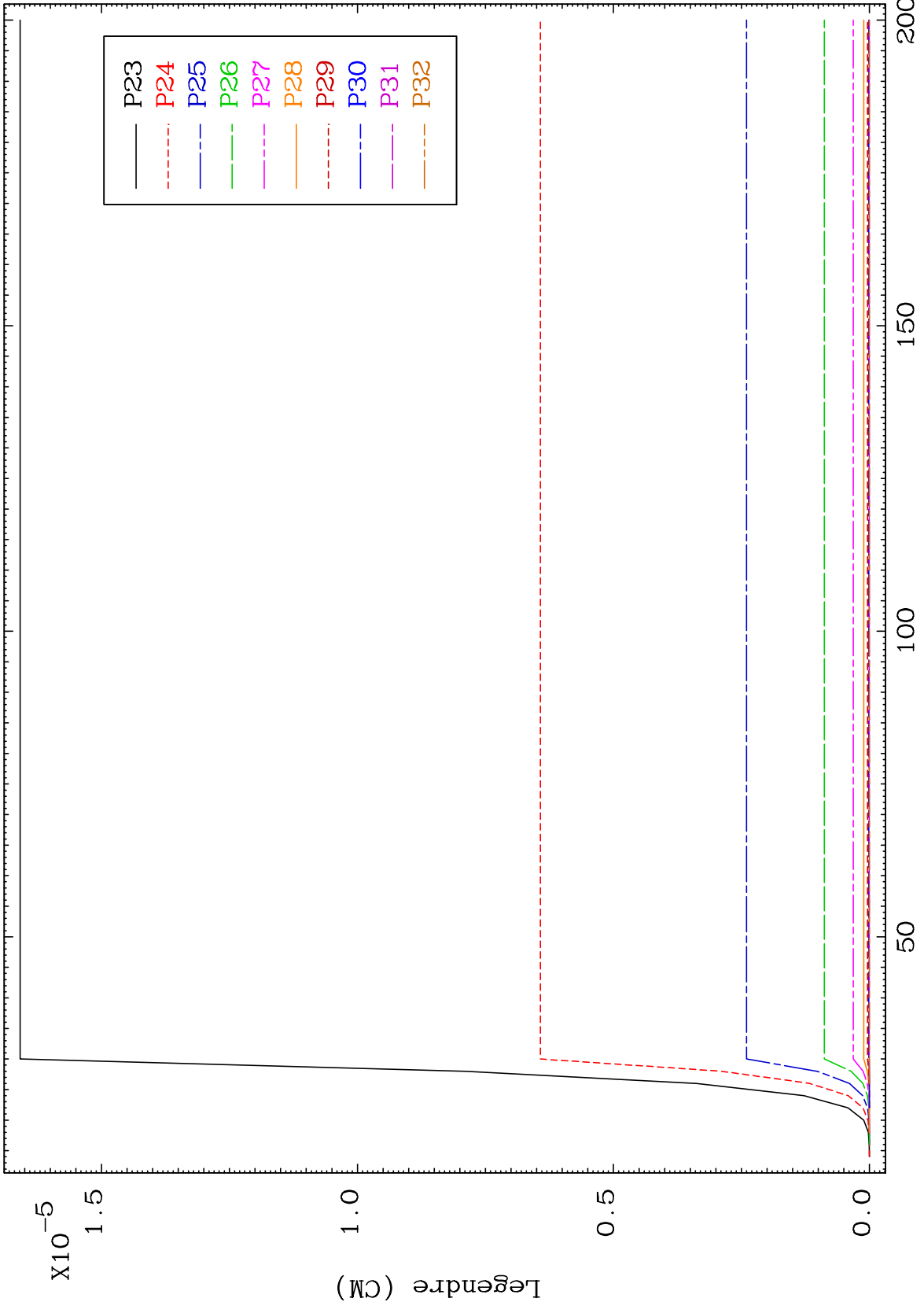


51

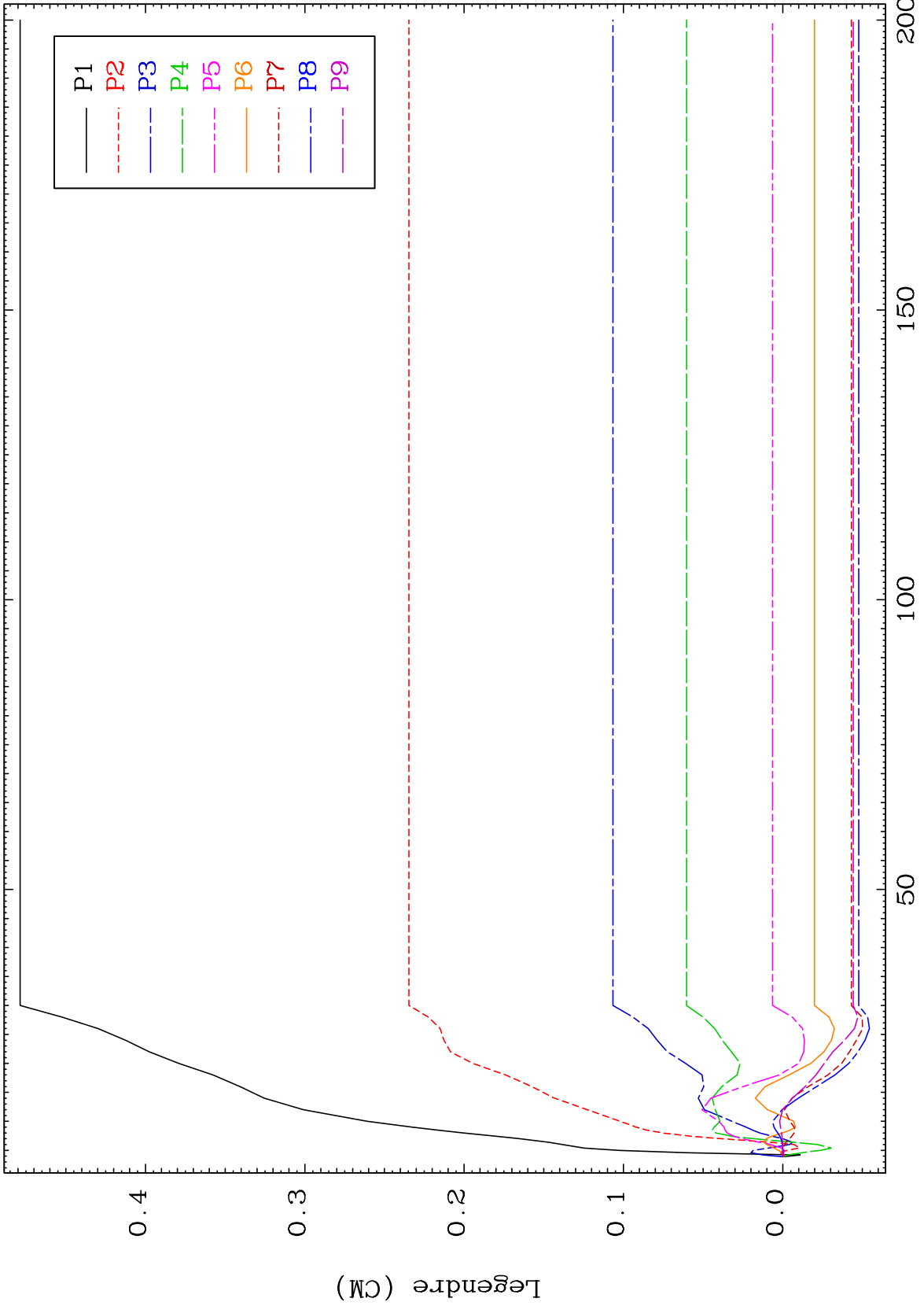
Incident Energy (MeV)

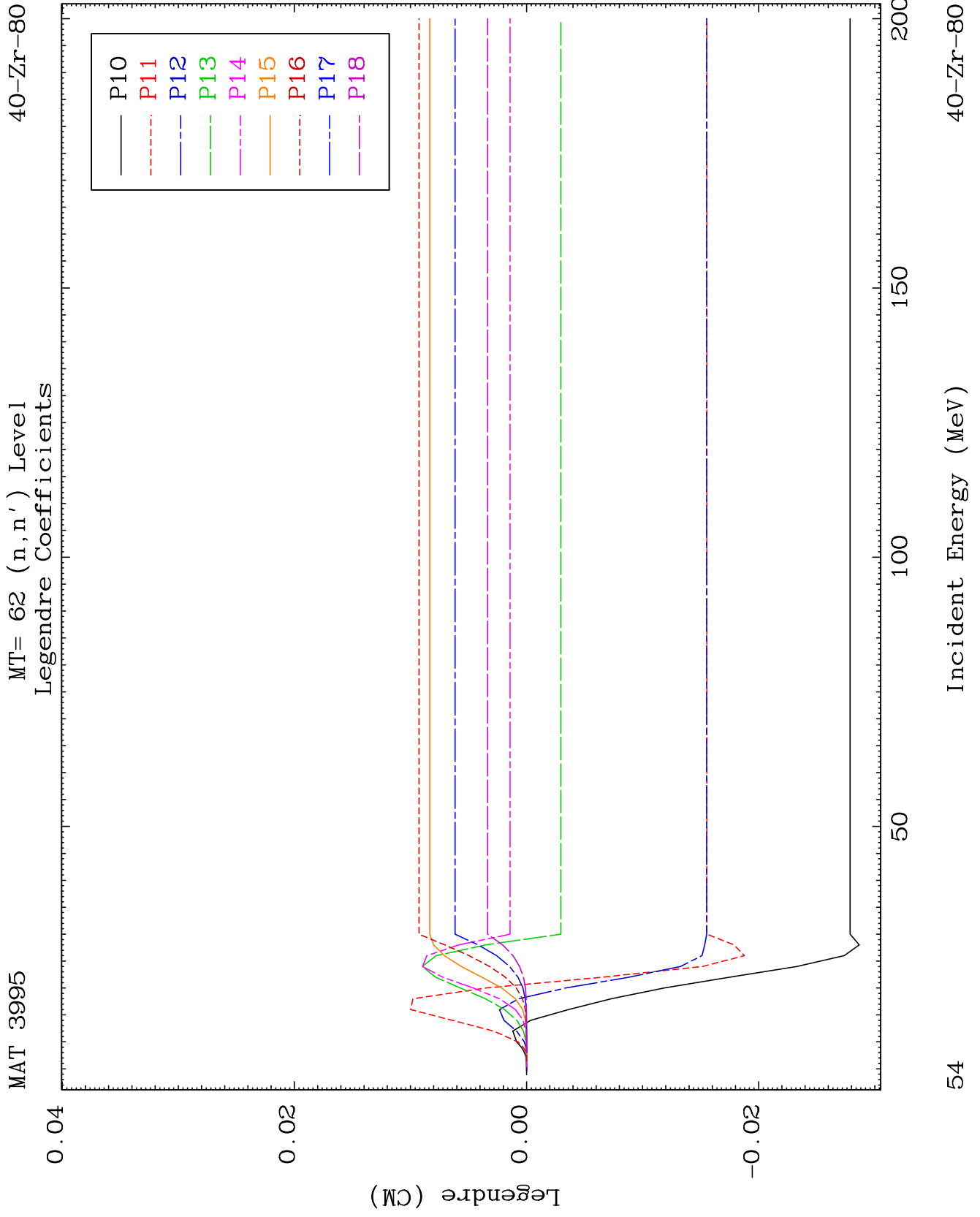
40-Zr-80

MAT 3995 MT= 61 (n,n') Level Legendre Coefficients 40-Zr-80

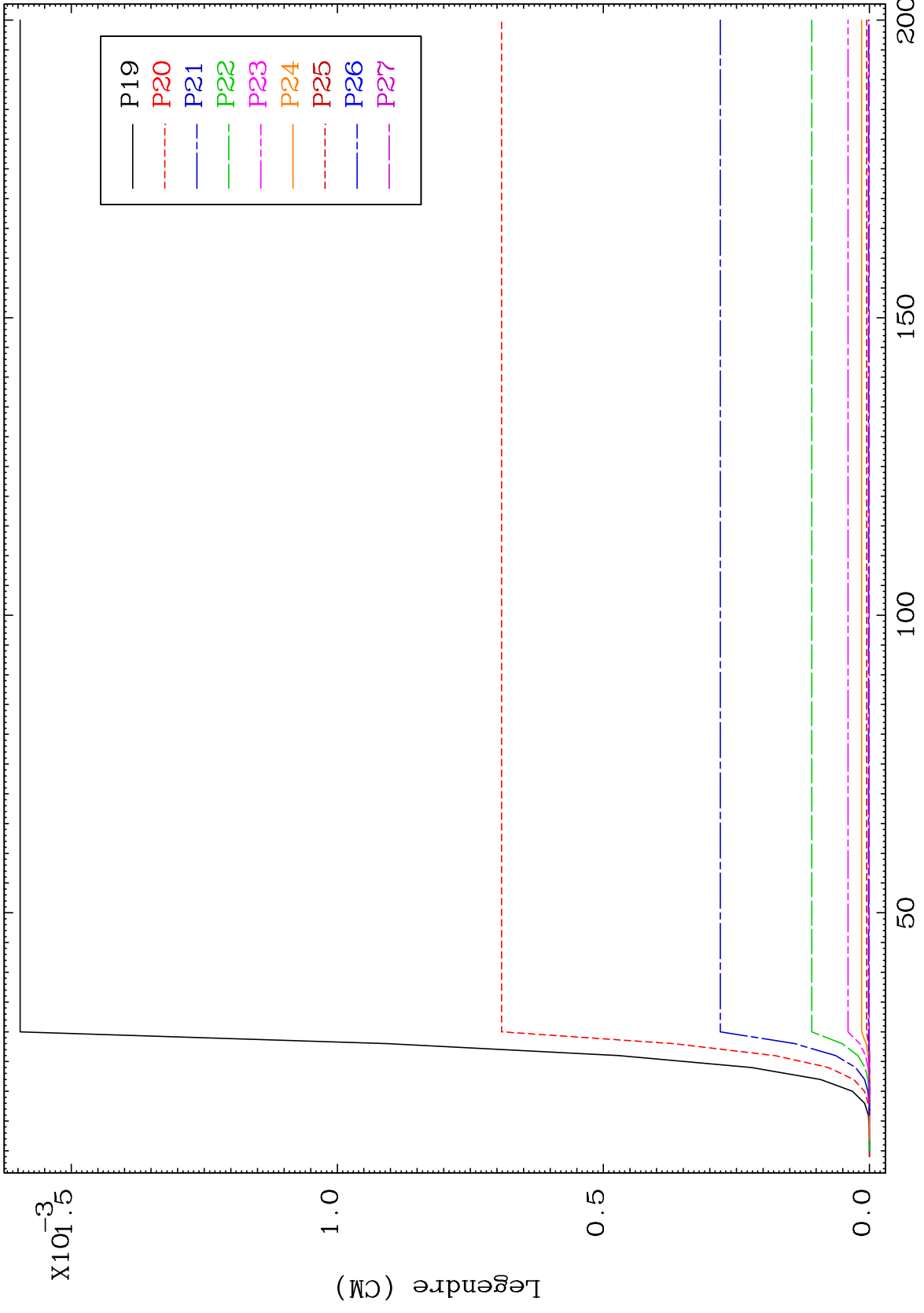


MAT 3995 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-80





MAT 3995 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-80

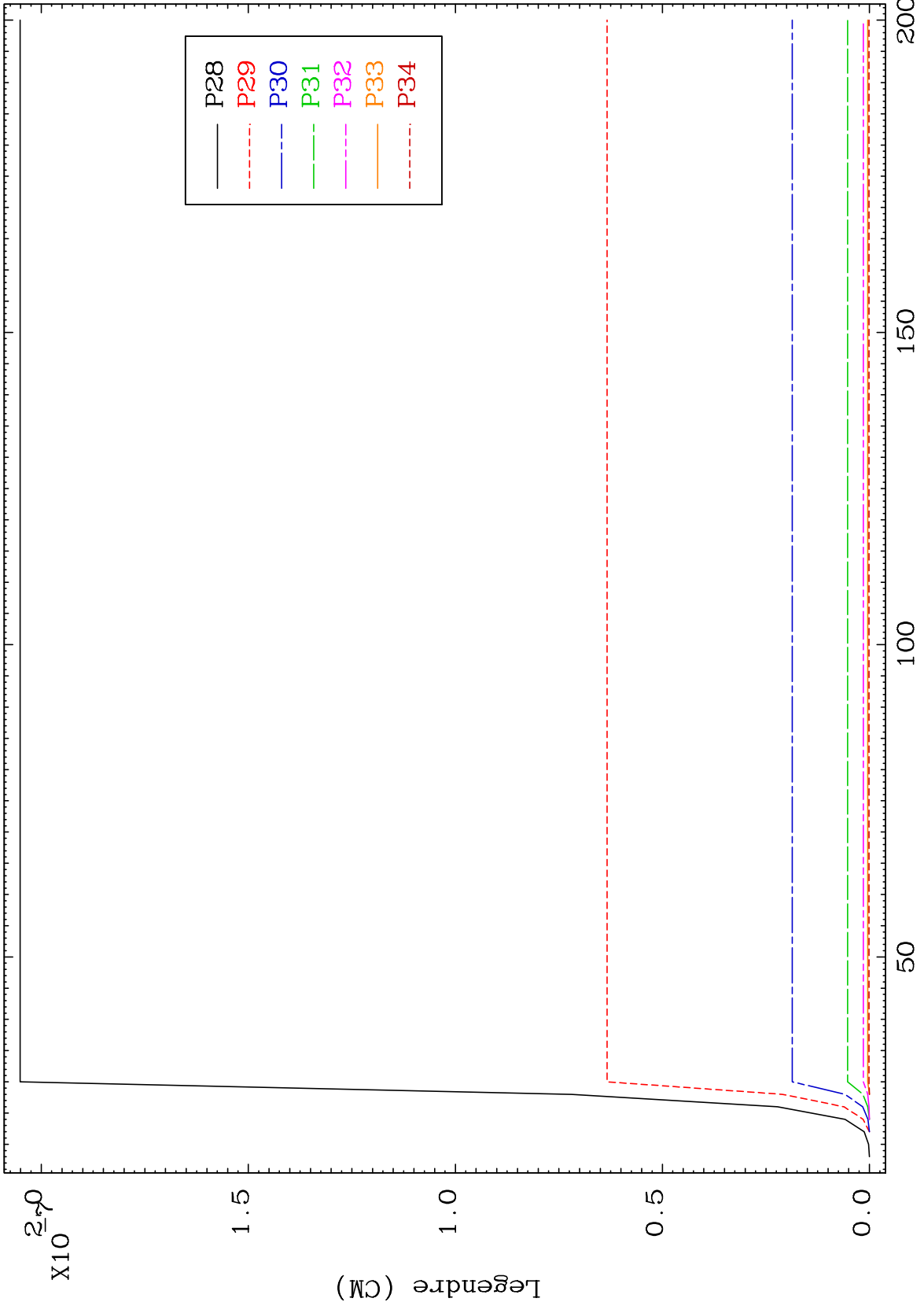


55 Incident Energy (MeV) 40-Zr-80

MAT 3995 MT= 62 (n,n') Level Legendre Coefficients

40-Zr-80

40-Zr-80



56

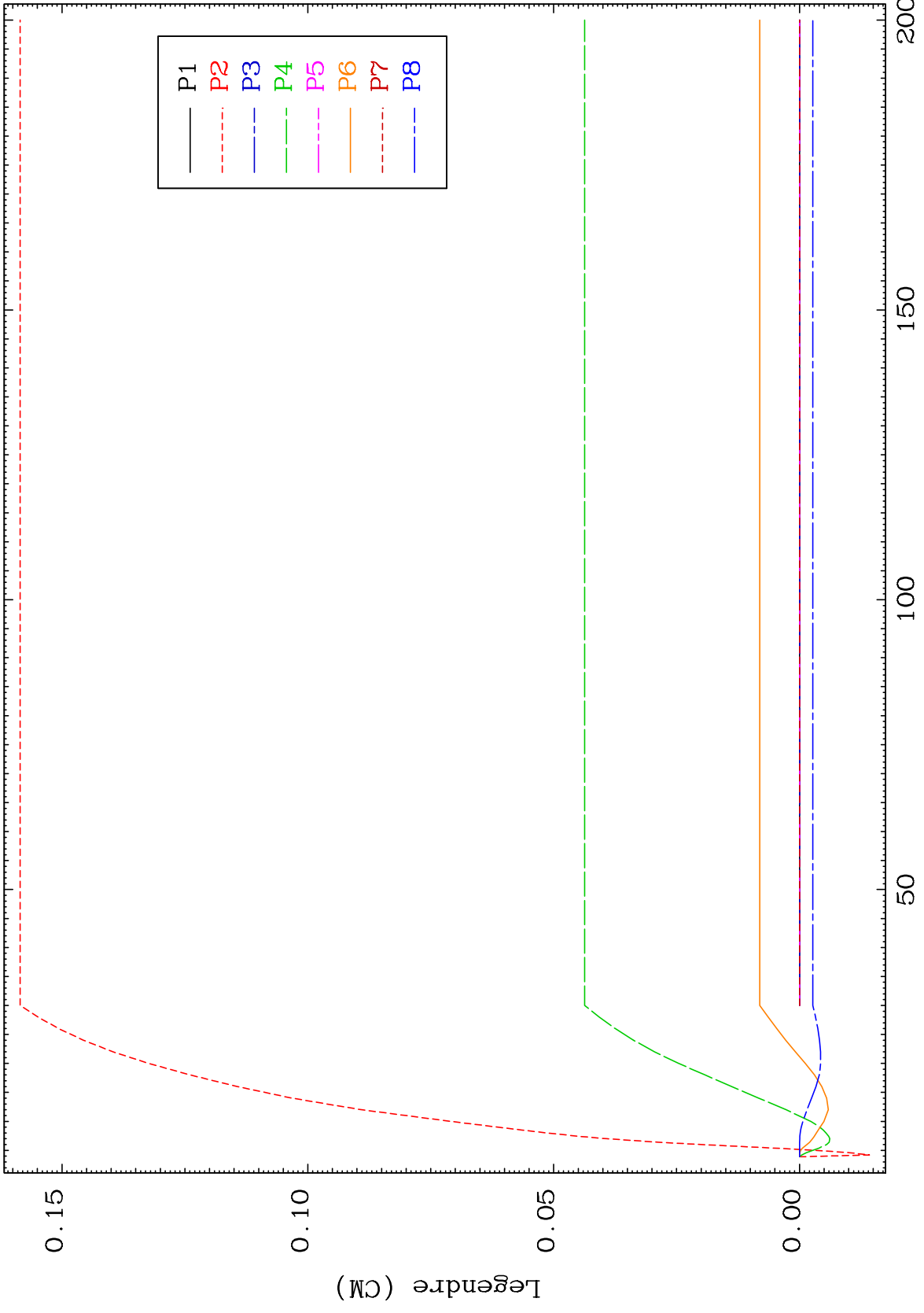
50

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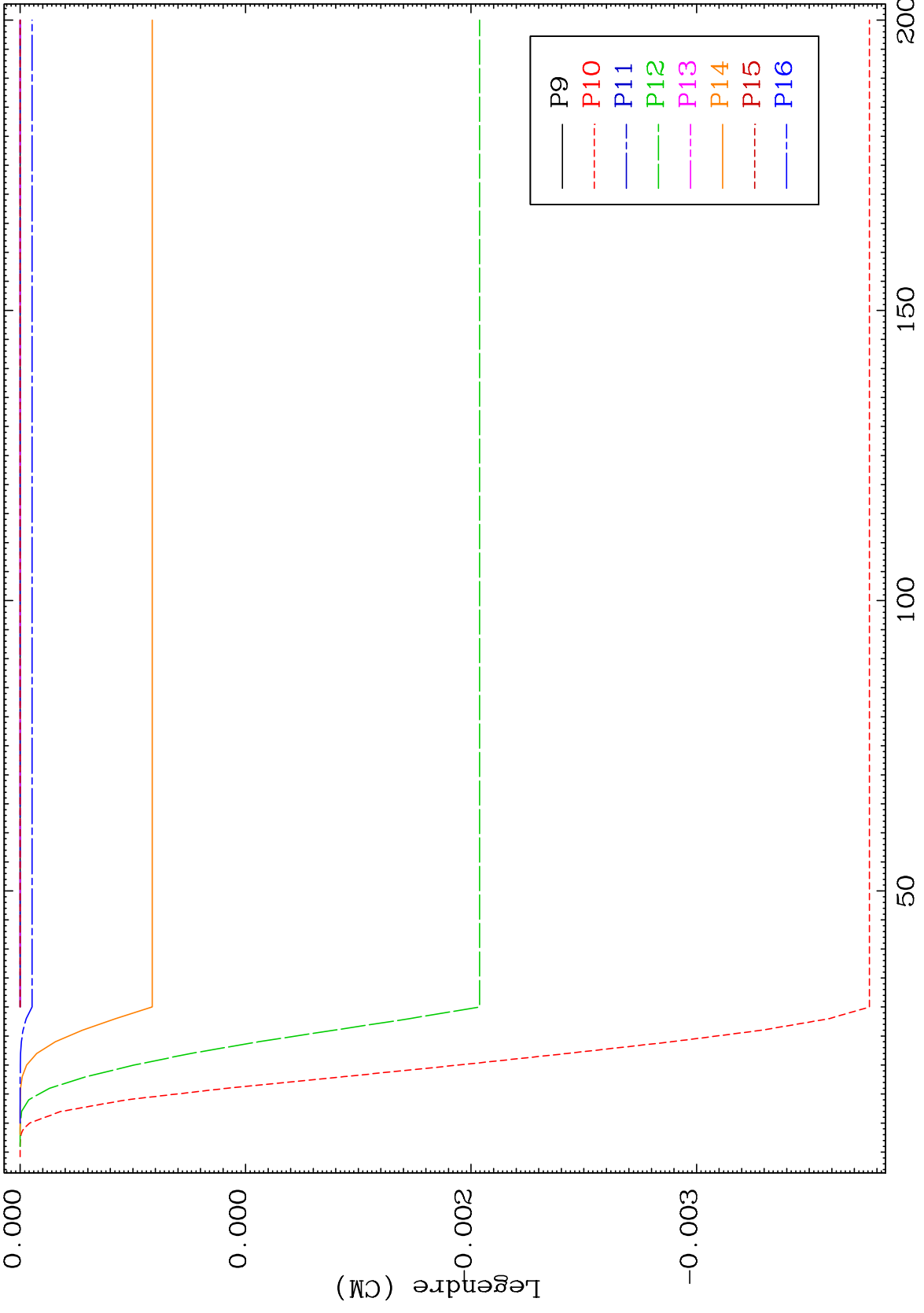
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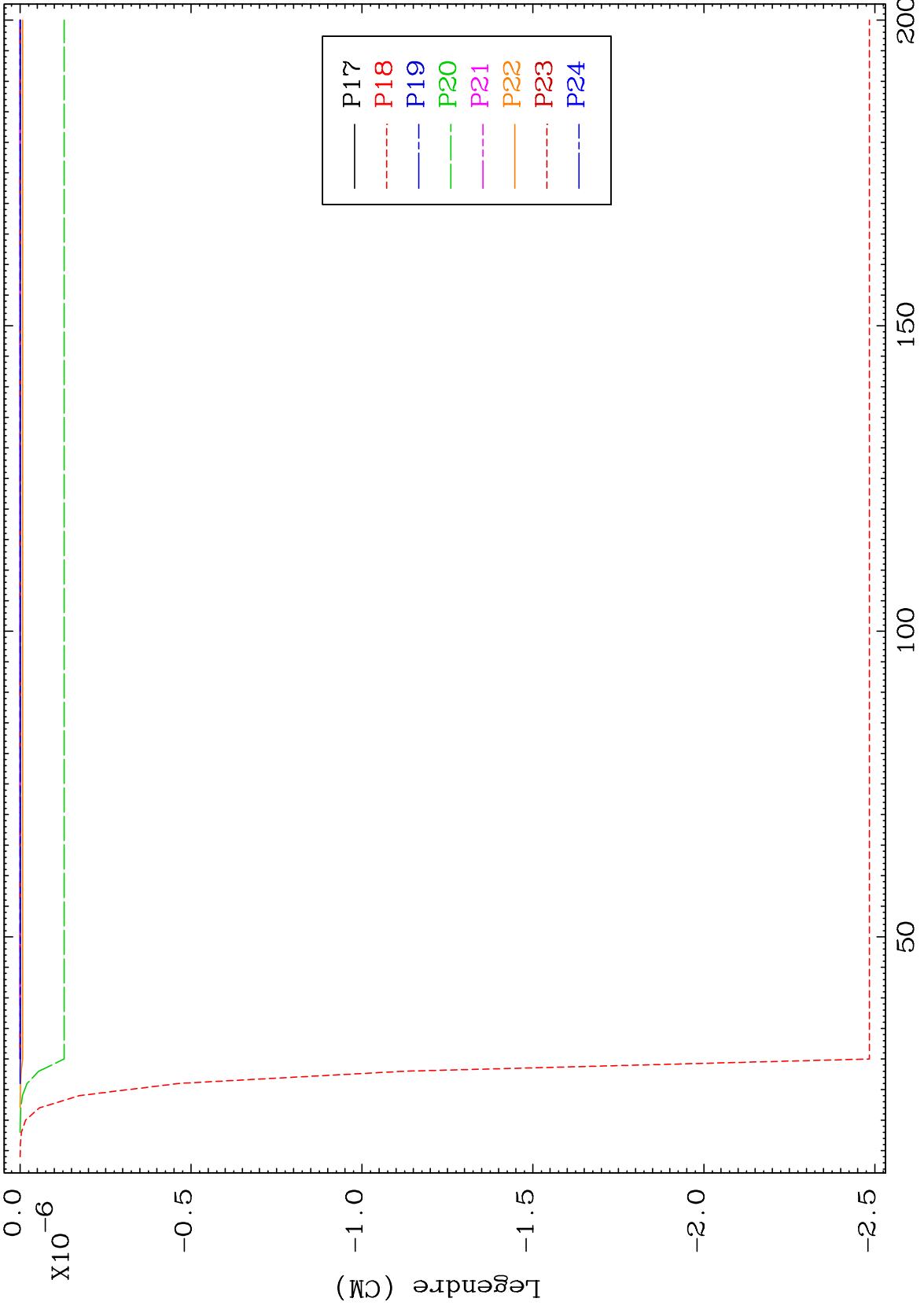
MAT 3995 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-80

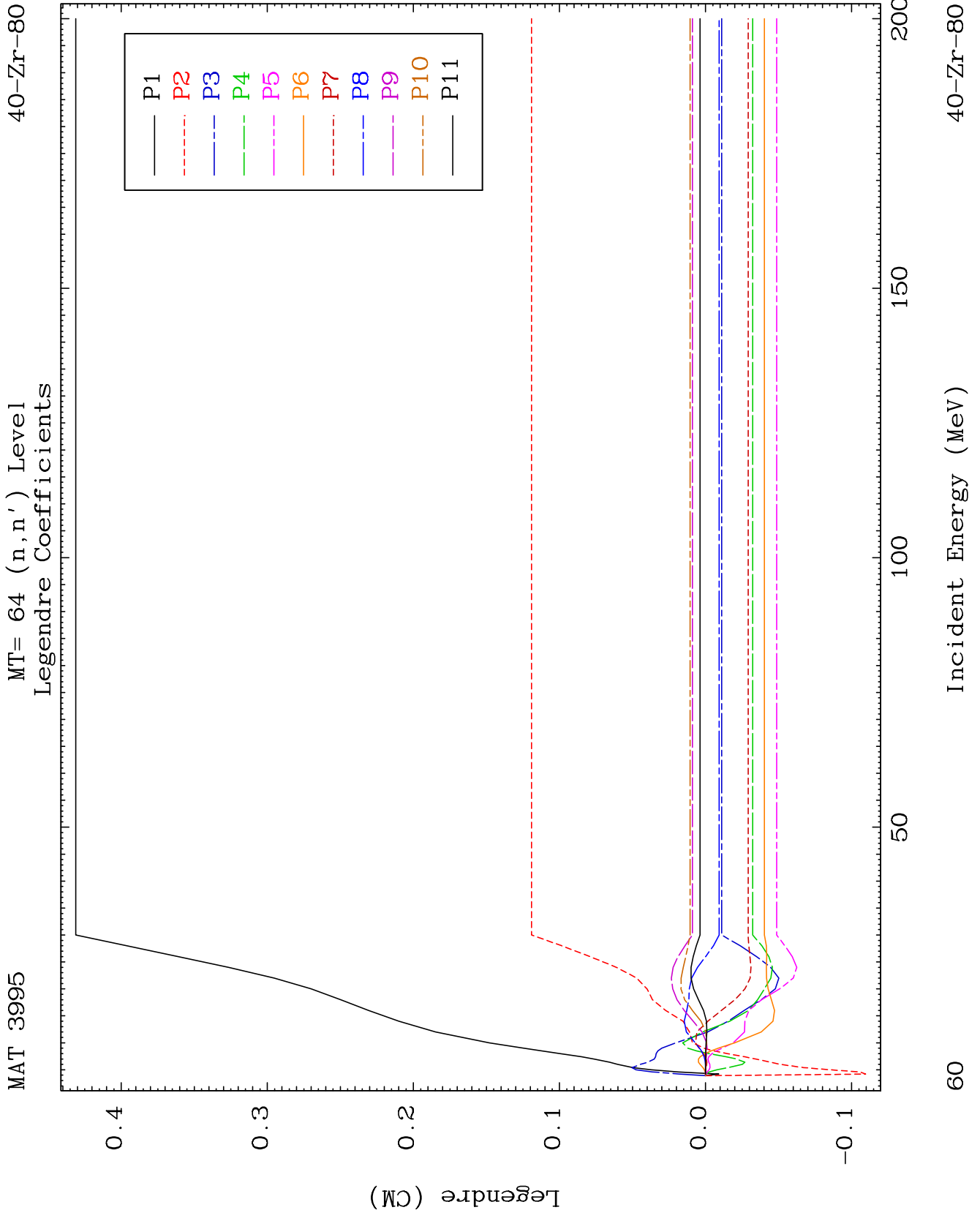


MAT 3995 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-80



MAT 3995 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-80

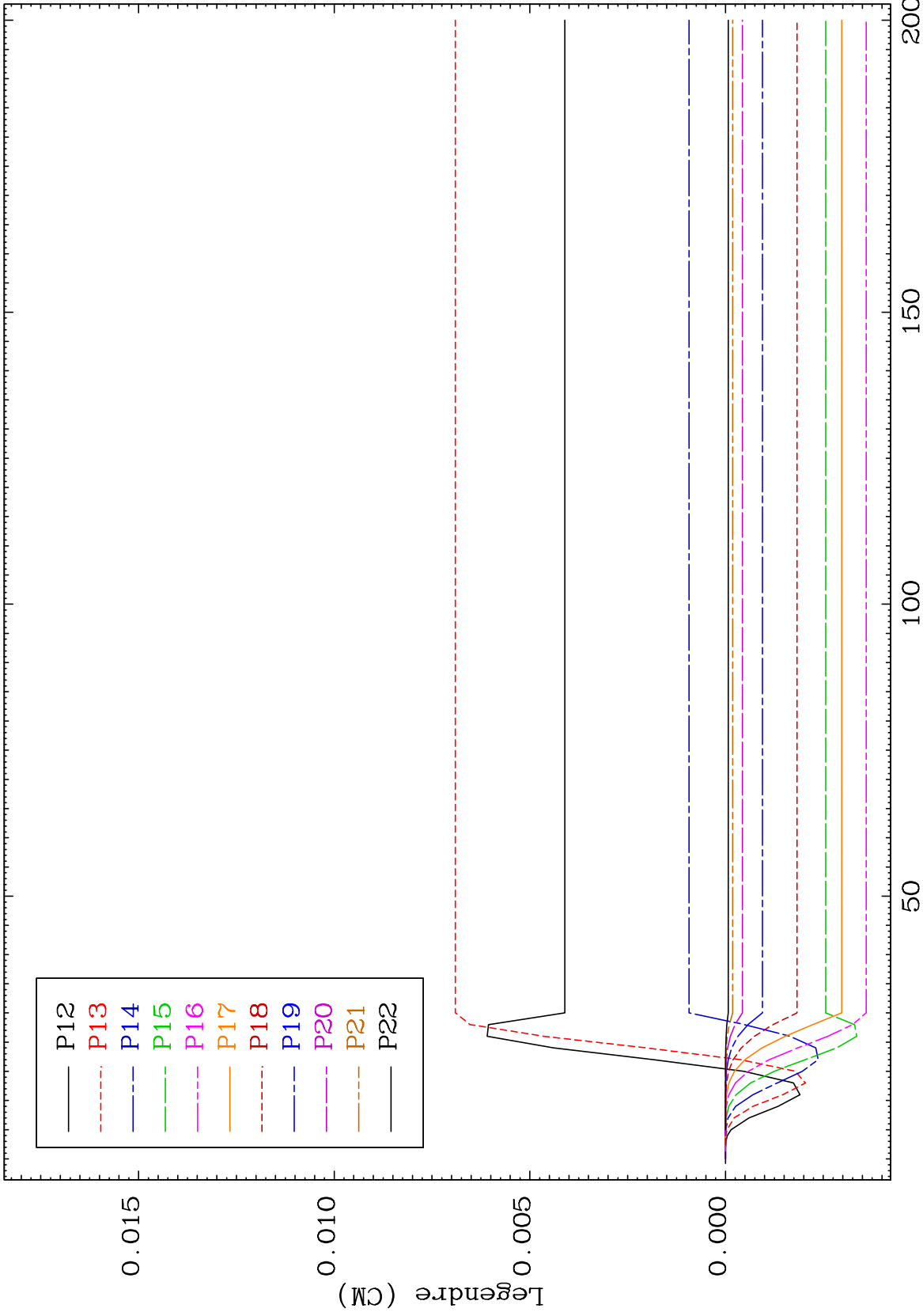




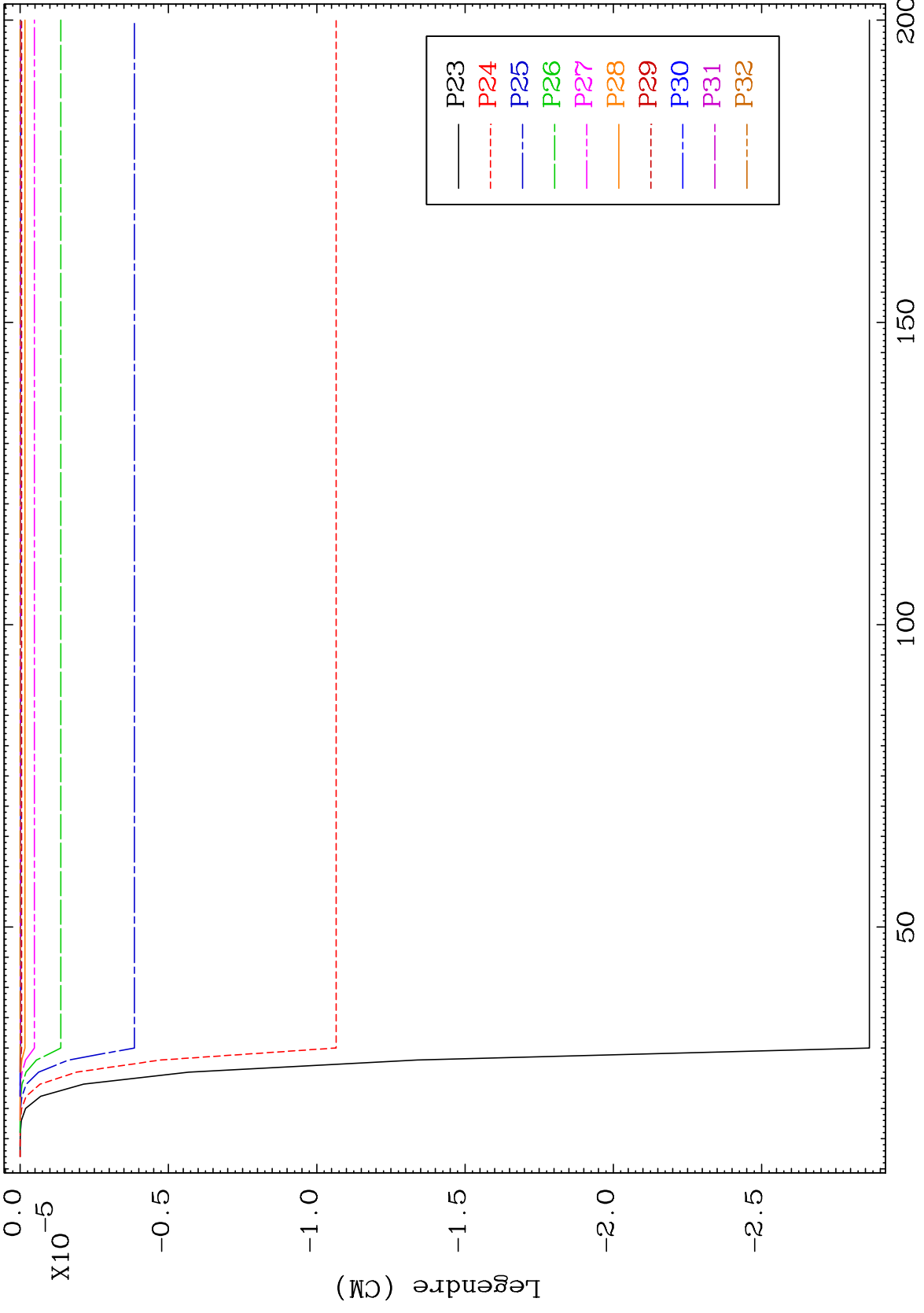
MAT 3995

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

40-Zr-80



MAT 3995 MT= 64 (n,n') Level Legendre Coefficients 40-Zr-80

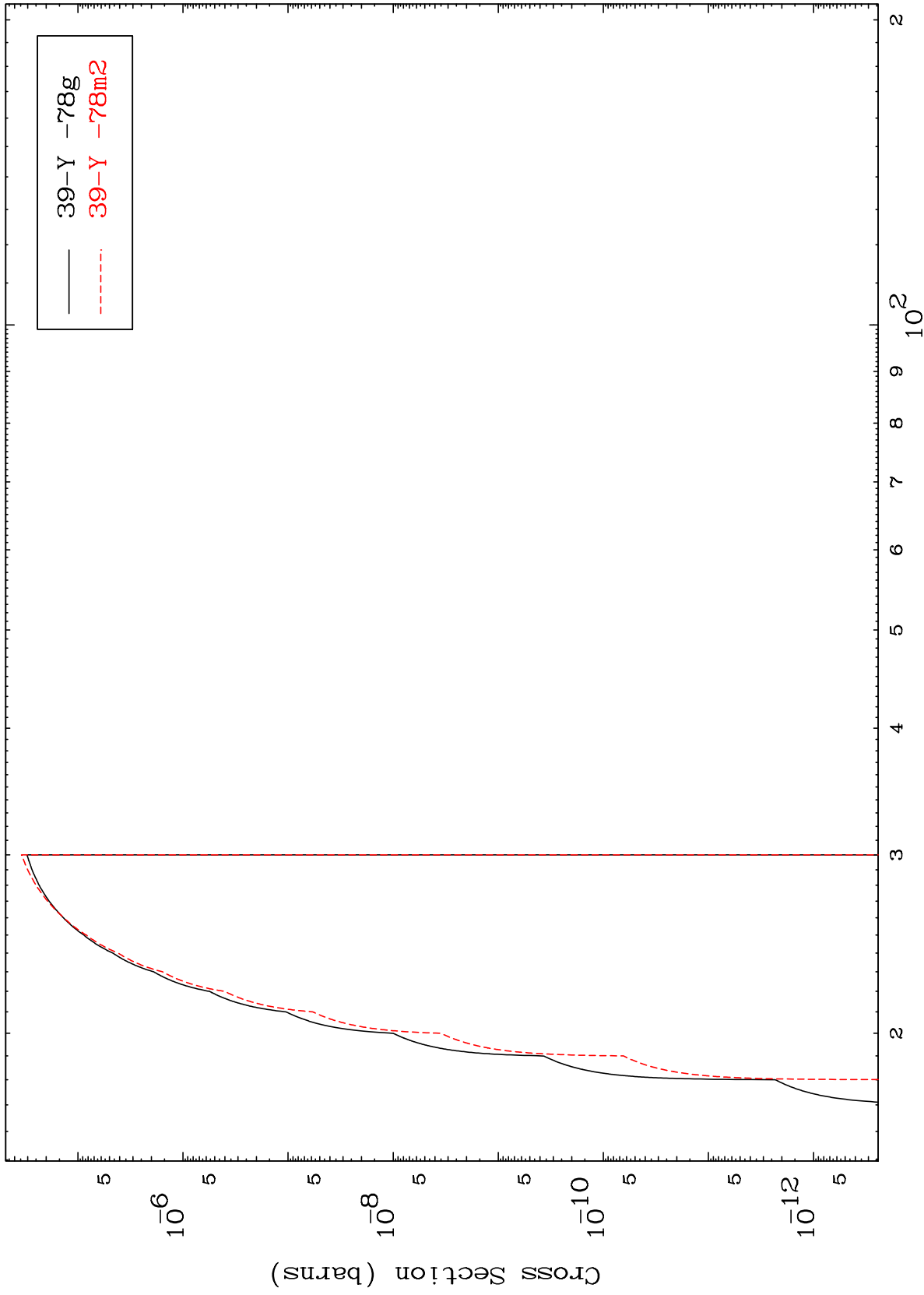


MAT 3995

(n,n') d

40-Zr-80

Radionuclide Production Cross Section



63

Incident Energy (MeV)

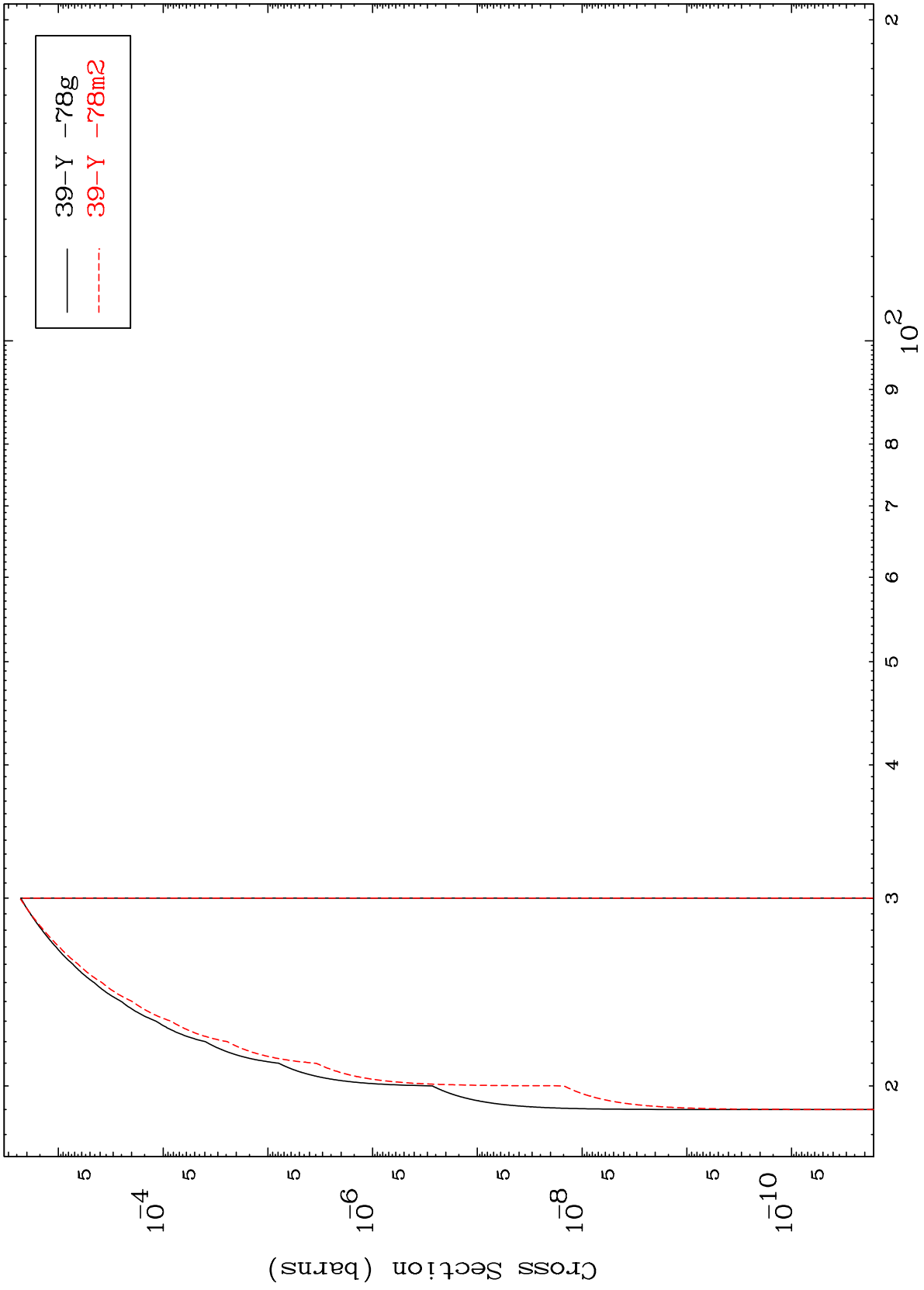
40-Zr-80

MAT 3995

(n,2n) p

40-Zr-80

Radionuclide Production Cross Section



64

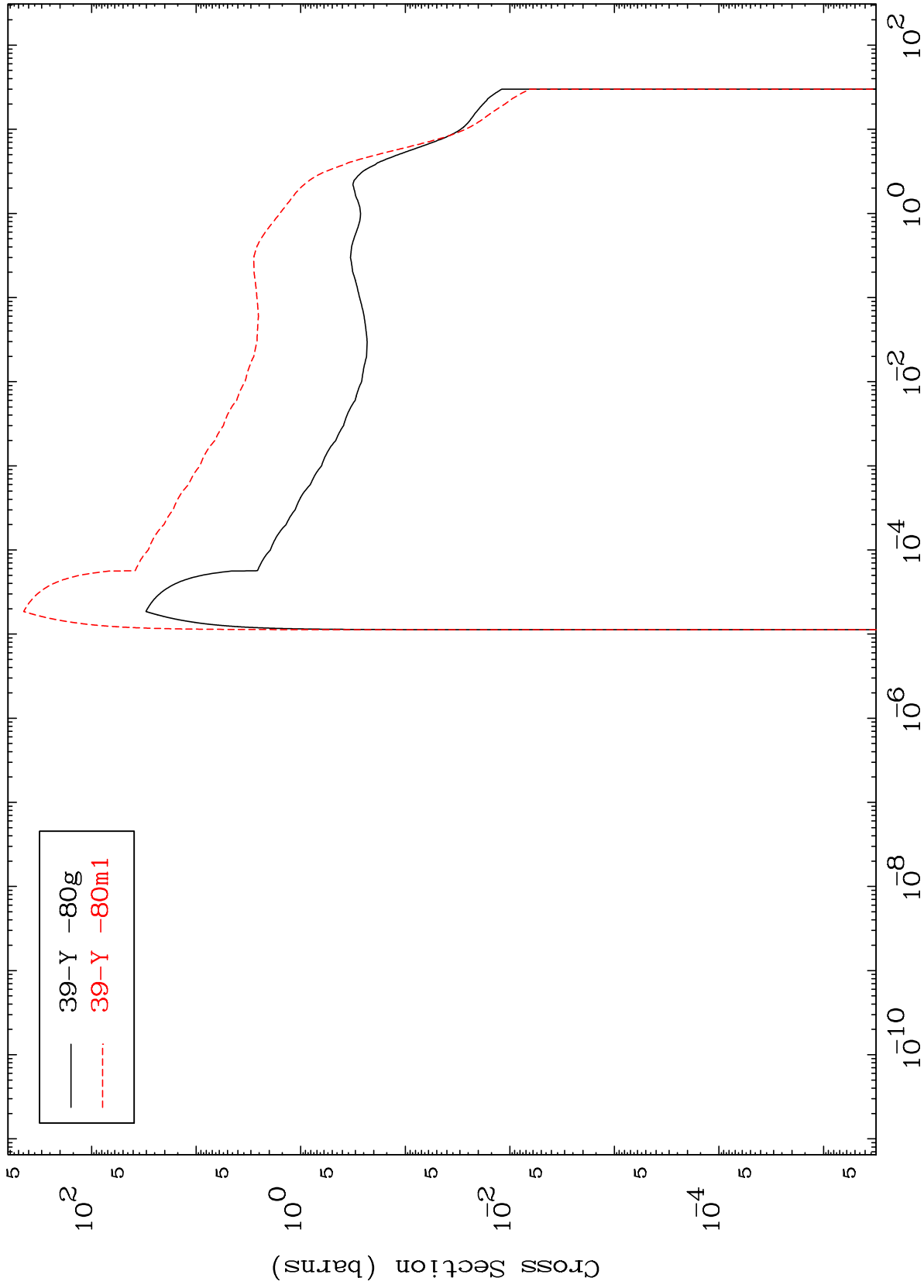
Incident Energy (MeV)

40-Zr-80

MAT 3995

40-Zr-80

Radionuclide Production Cross Section



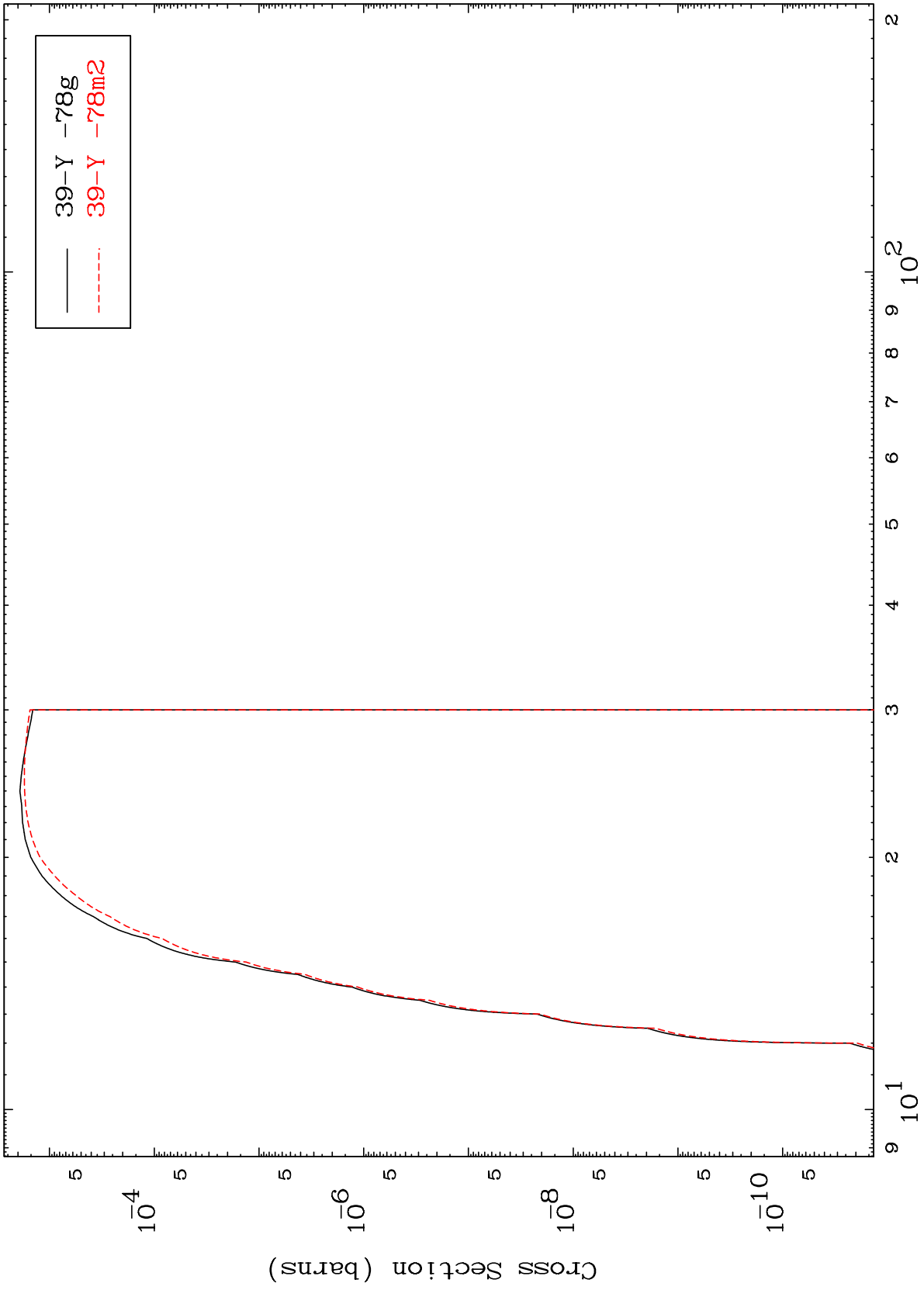
65

40-Zr-80

MAT 3995

40-Zr-80

(n, t)
Radionuclide Production Cross Section



66

40-Zr-80