

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

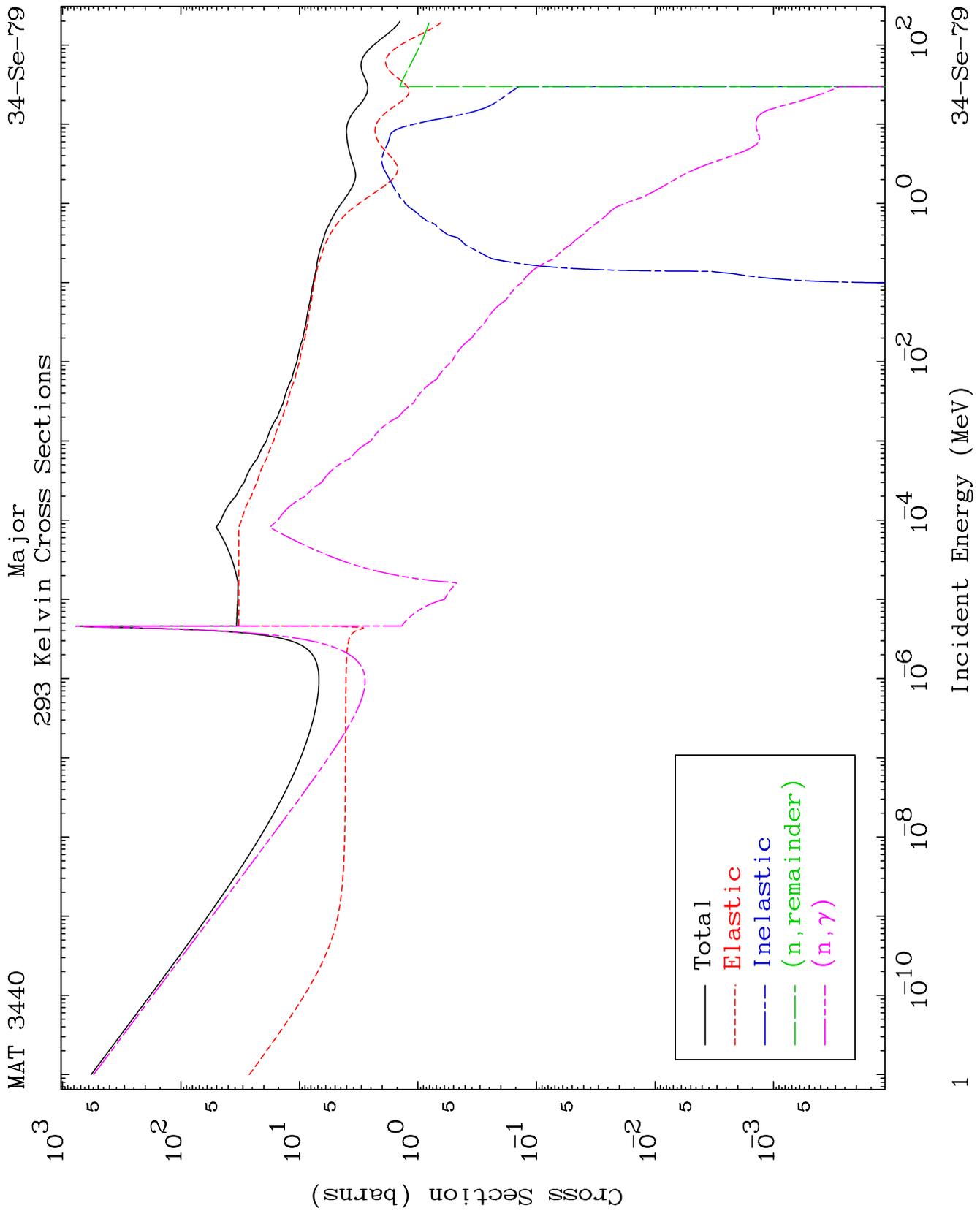
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

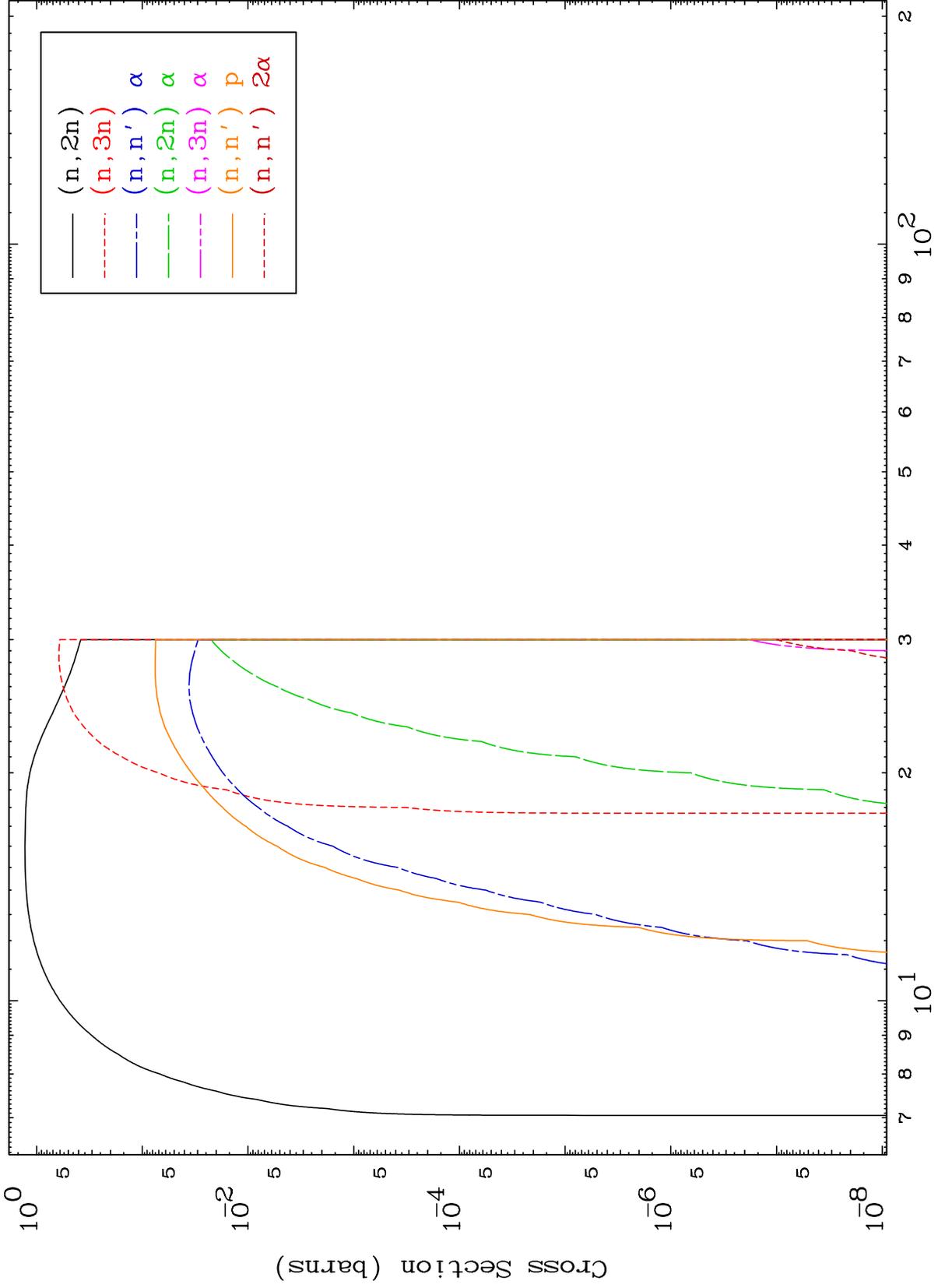
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MAT 3440

Neutron Production
293 Kelvin Cross Sections

34-Se-79

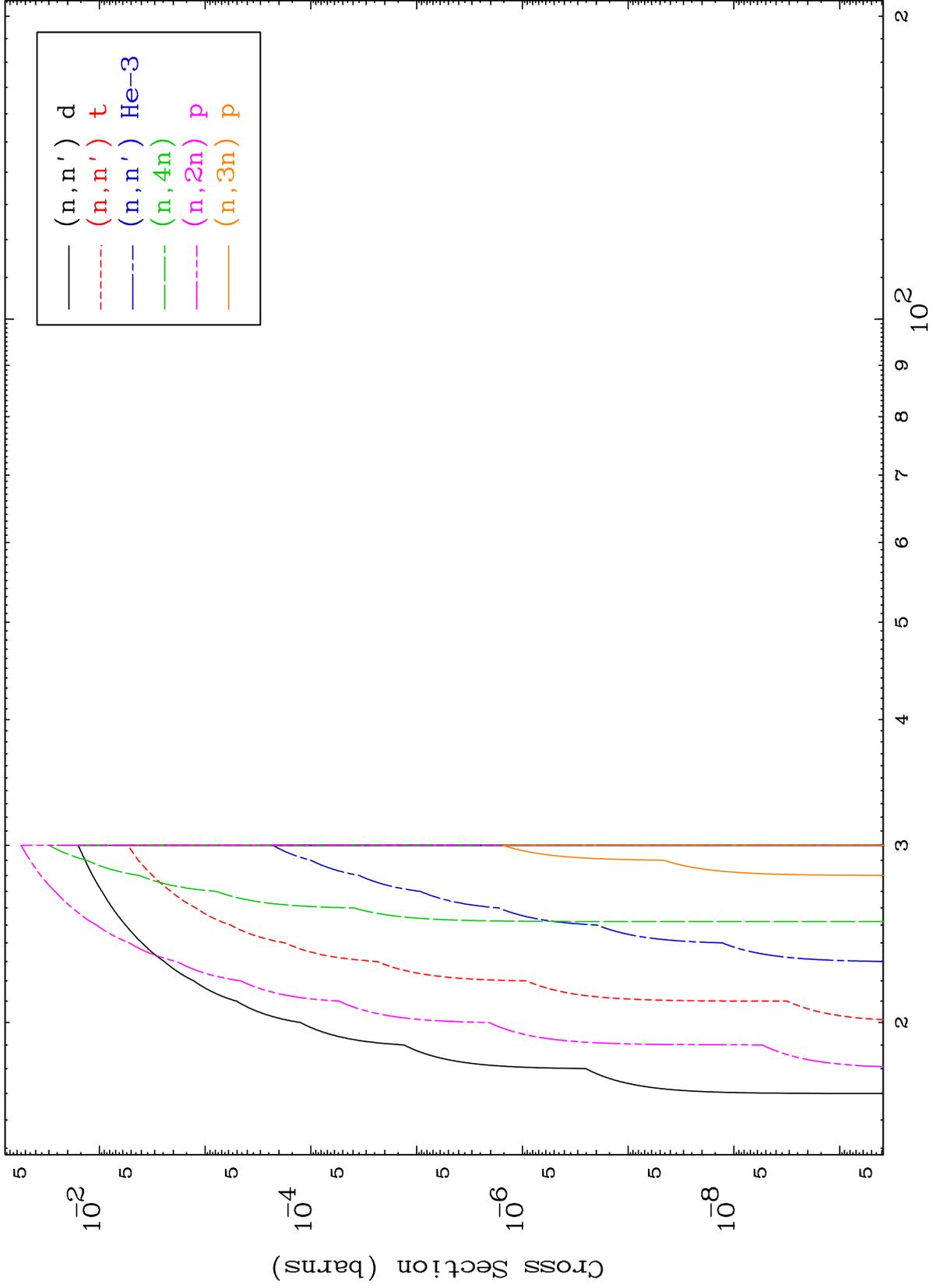


2

Incident Energy (MeV)

34-Se-79

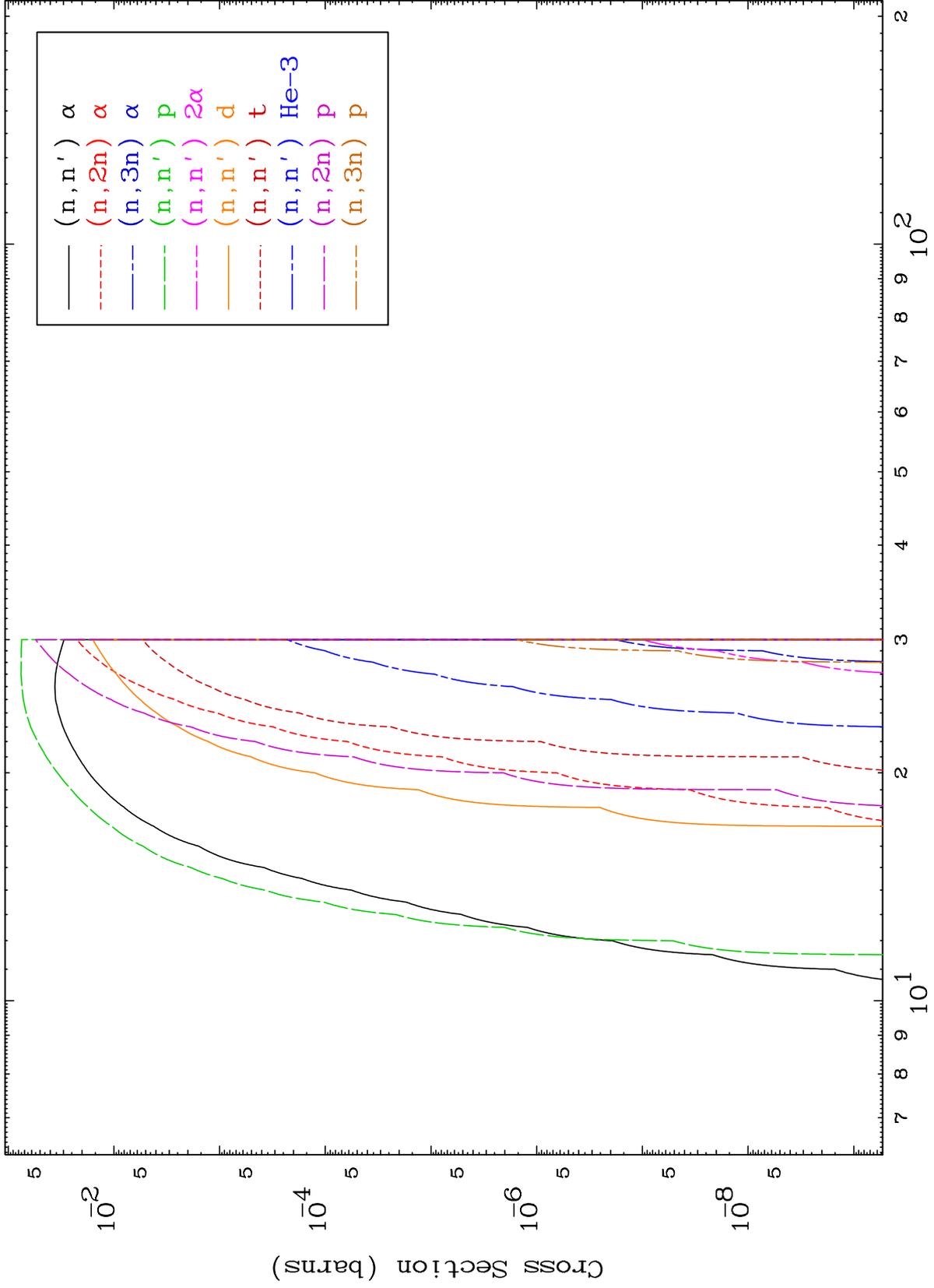
Neutron Production
293 Kelvin Cross Sections



MAT 3440

Charged Particle
293 Kelvin Cross Sections

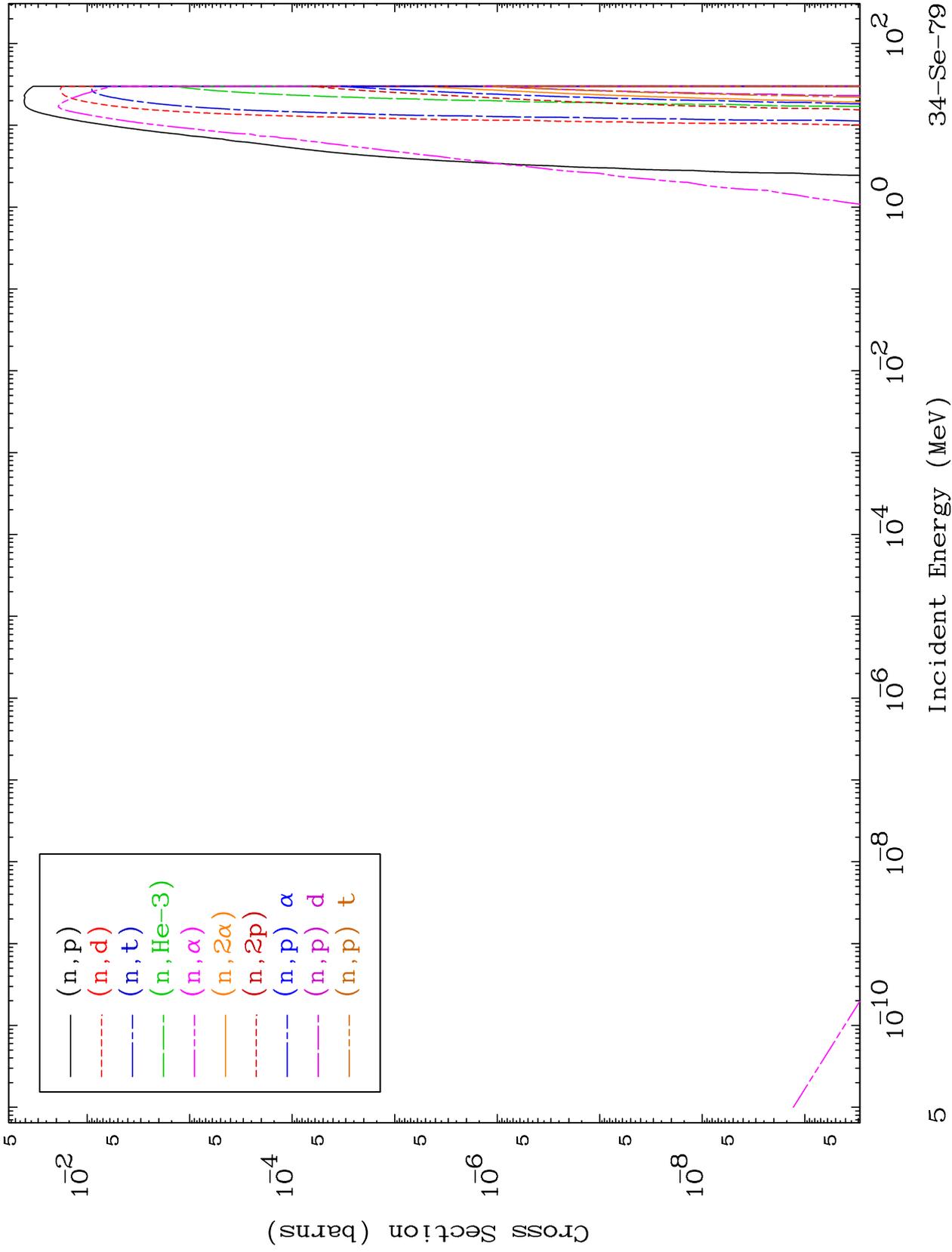
³⁴Se-79



MAT 3440

Charged Particle
293 Kelvin Cross Sections

34-Se-79

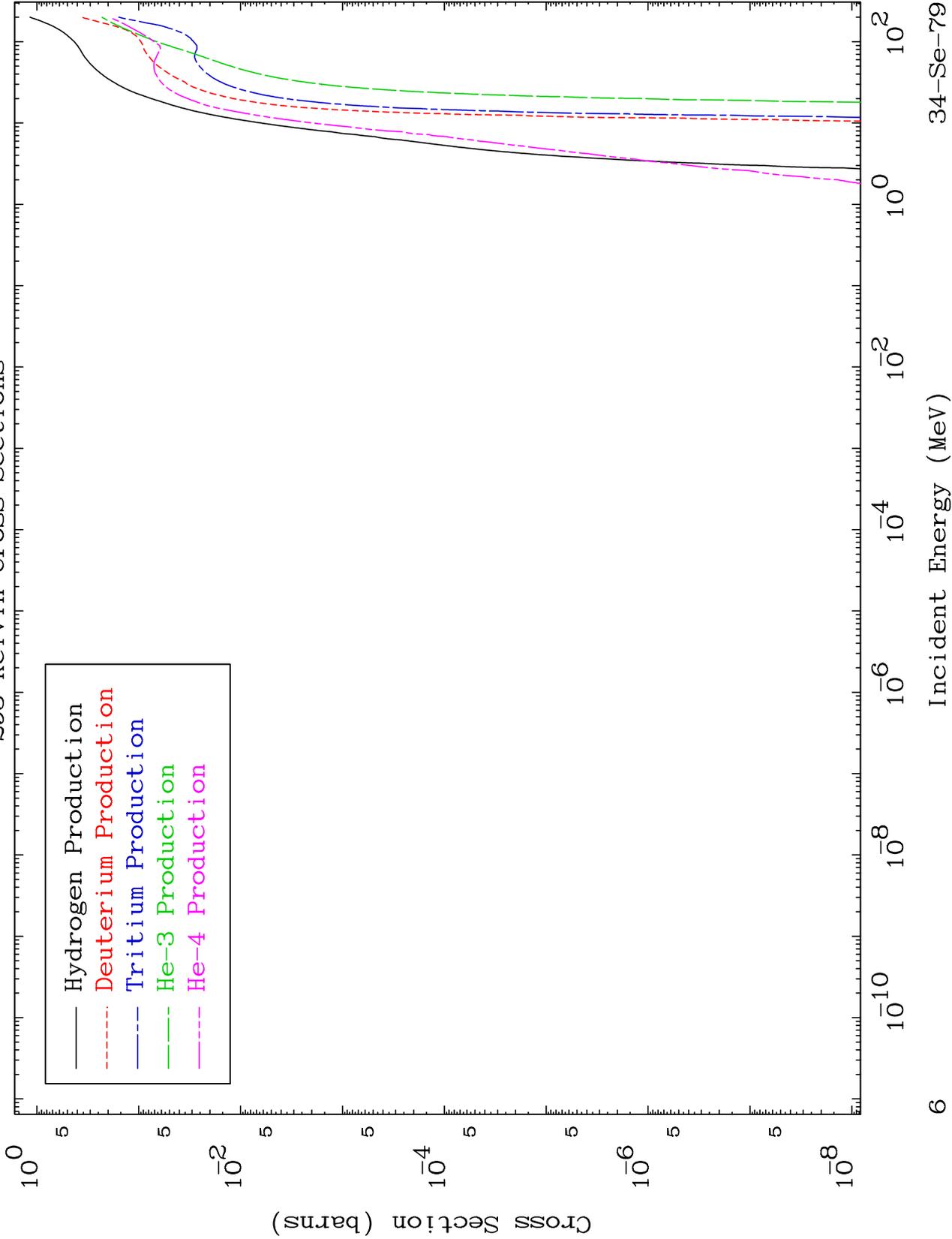


5

MAT 3440

Particle Production
293 Kelvin Cross Sections

34-Se-79

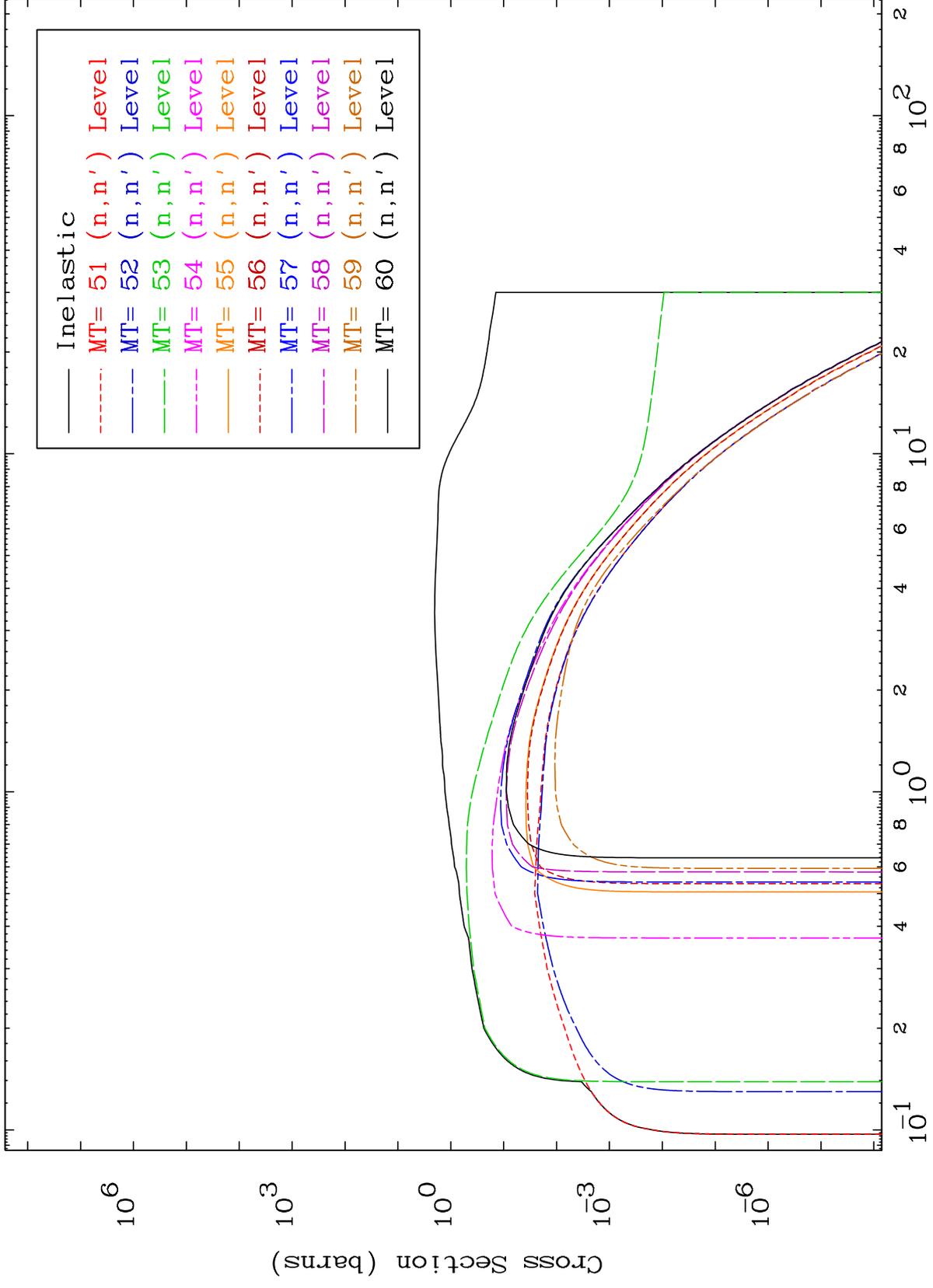


MAT 3440

(n,n') Level

34-Se-79

293 Kelvin Cross Sections



Incident Energy (MeV)

34-Se-79

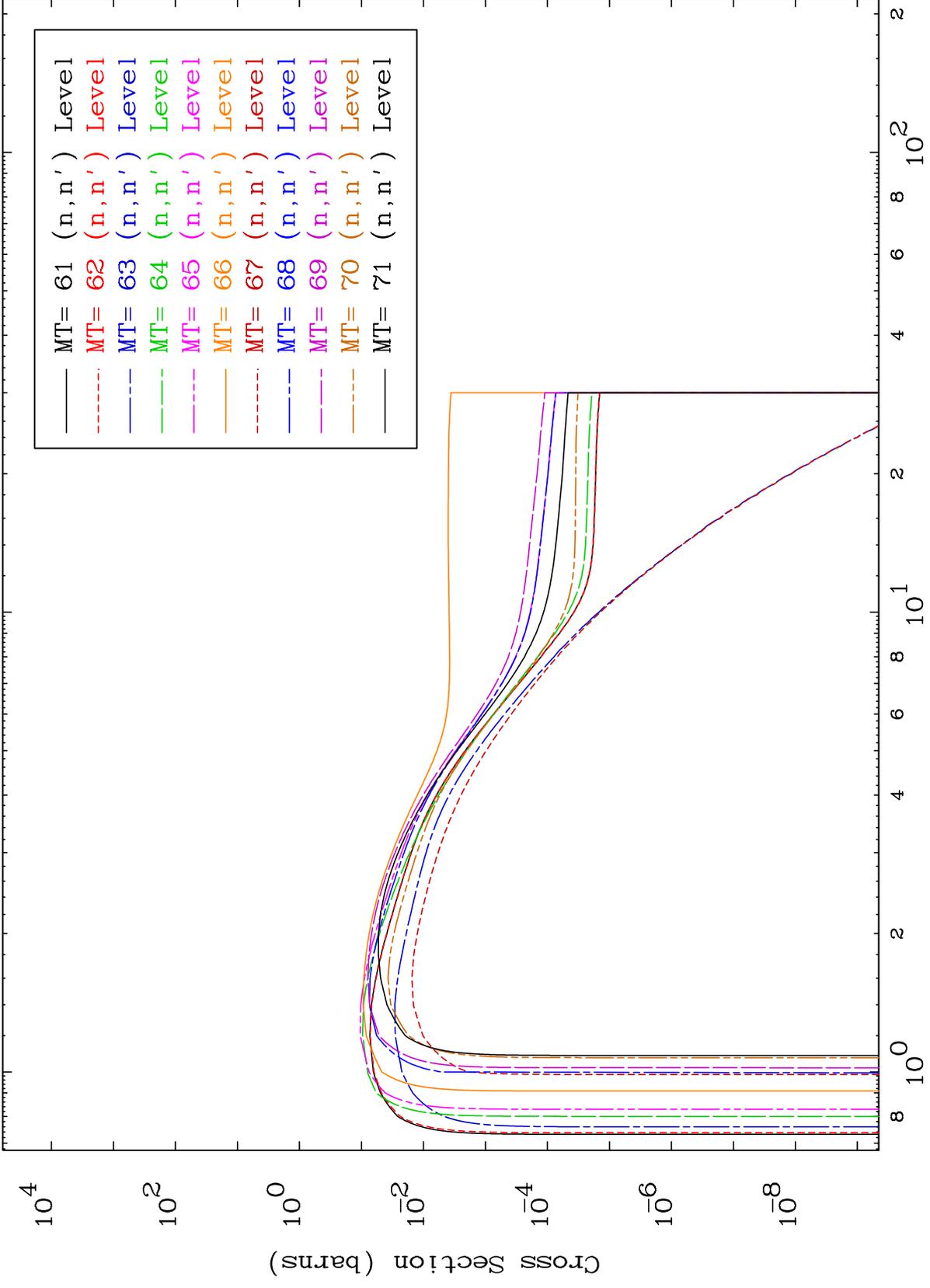
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MAT 3440

(n,n') Level

34-Se-79

293 Kelvin Cross Sections

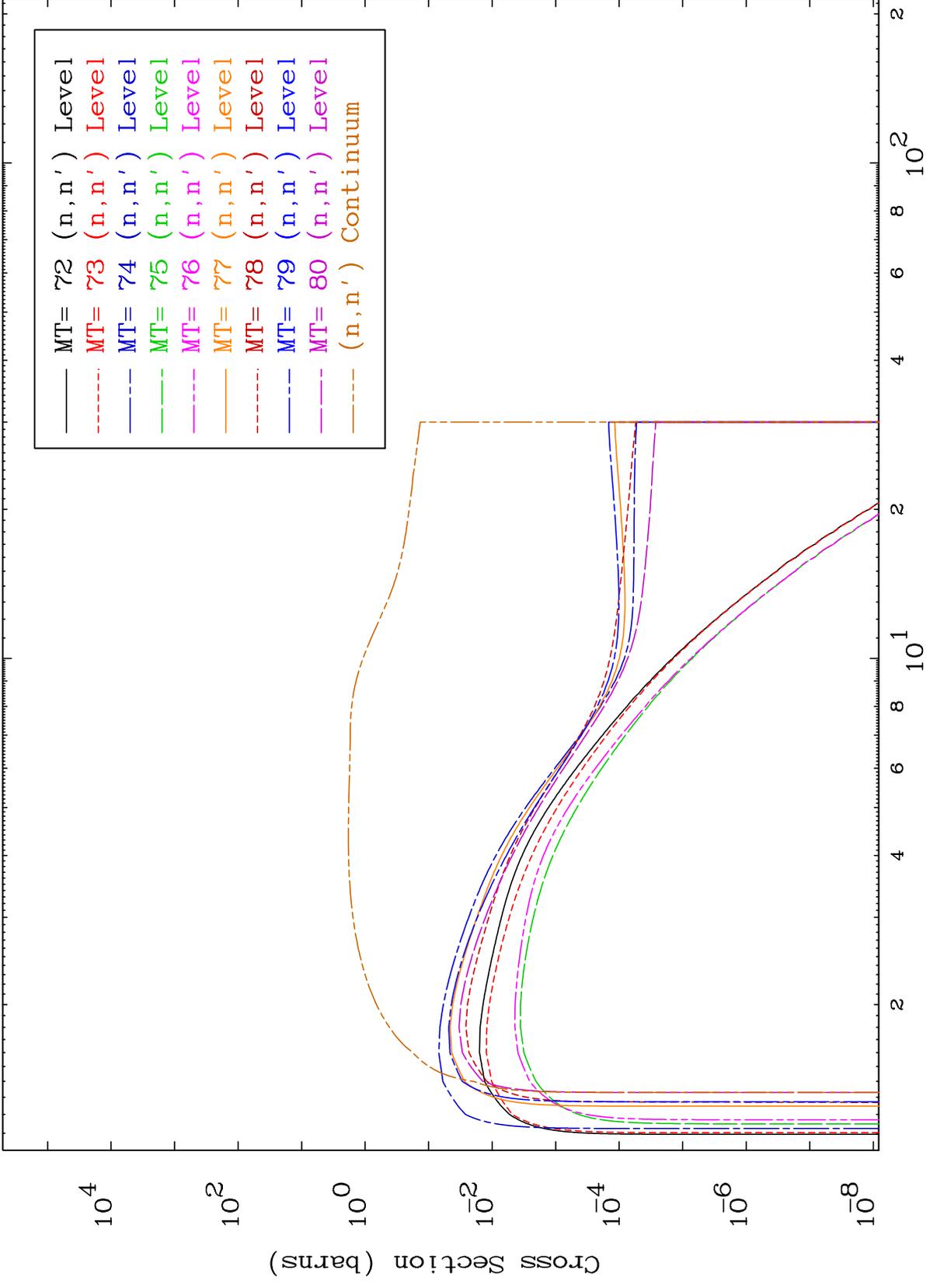


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Incident Energy (MeV)

34-Se-79

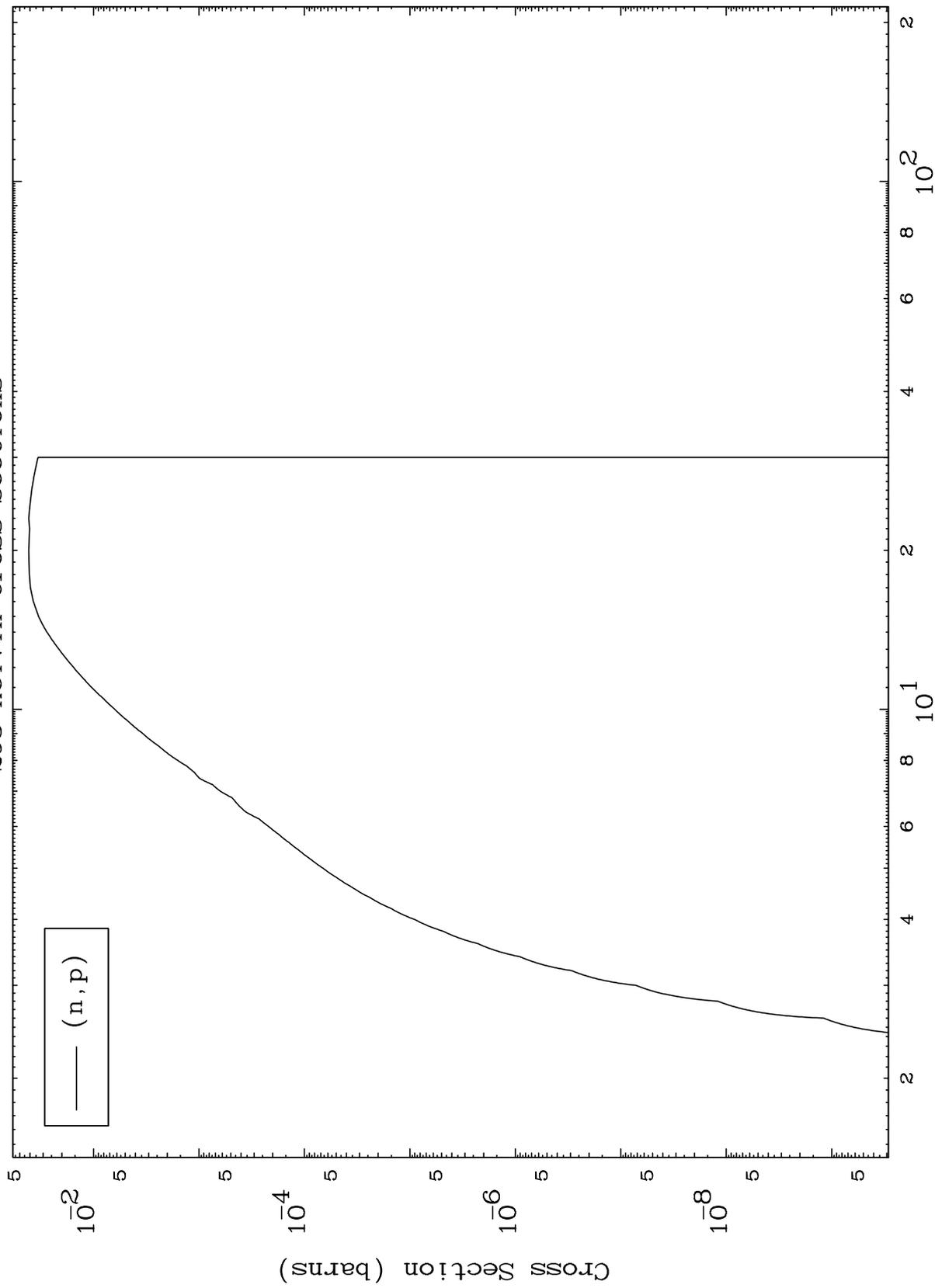
293 Kelvin Cross Sections



MAT 3440

³⁴Se-79

(n,p) Levels
293 Kelvin Cross Sections



³⁴Se-79

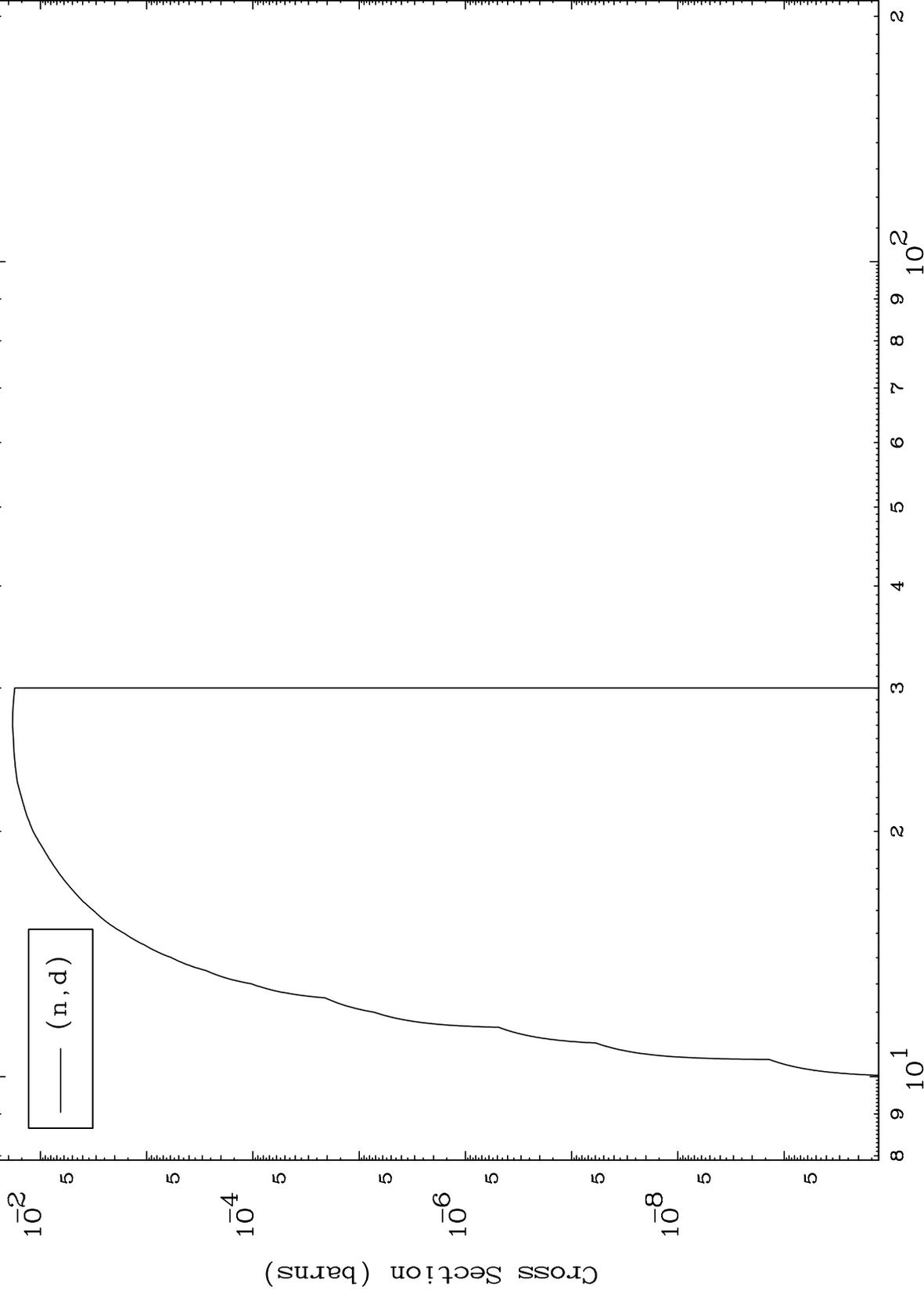
Incident Energy (MeV)

10

MAT 3440

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-79



11

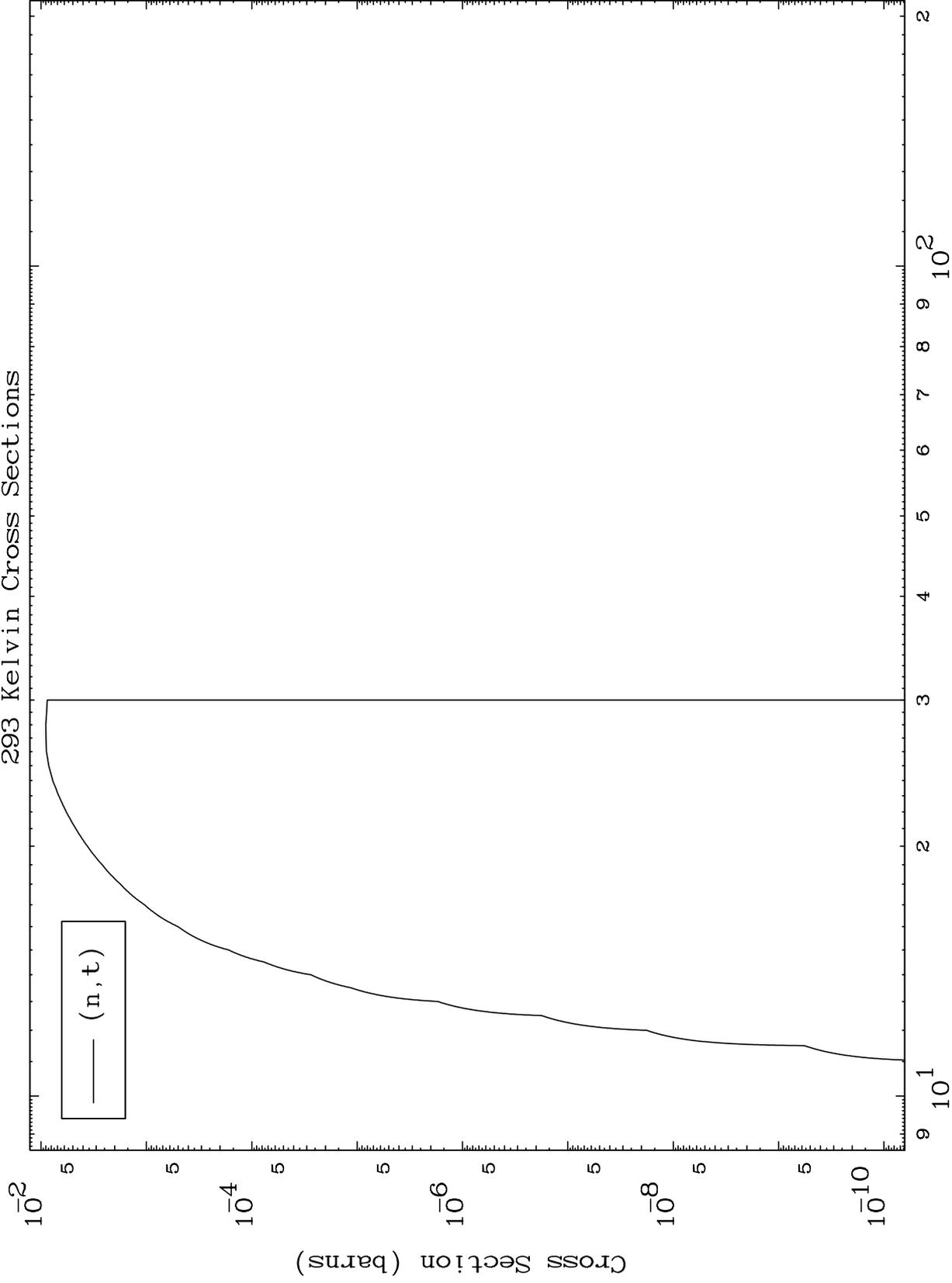
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³⁴Se-79

MAT 3440

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-79



12

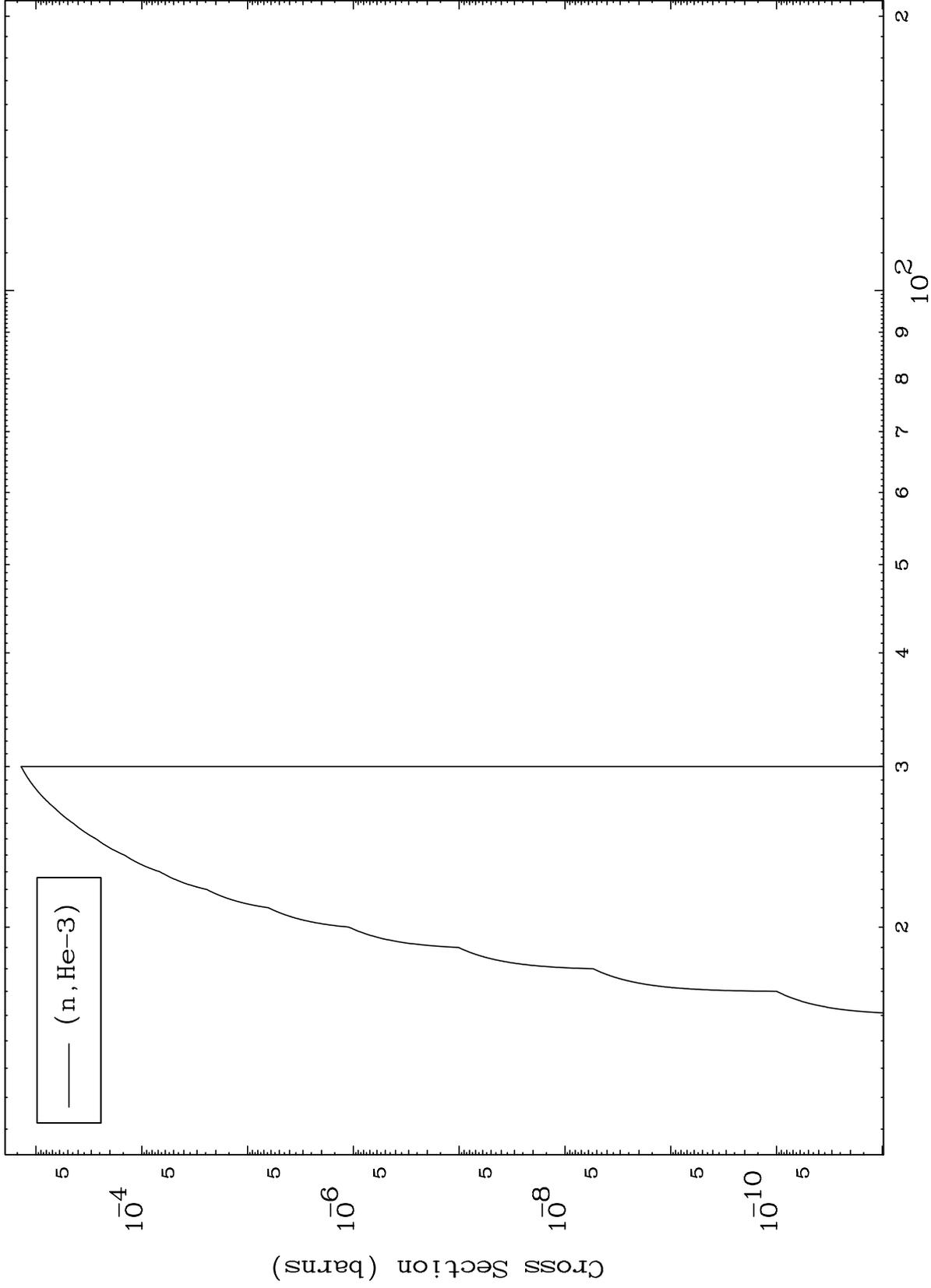
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³⁴Se-79

MAT 3440

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-79



13

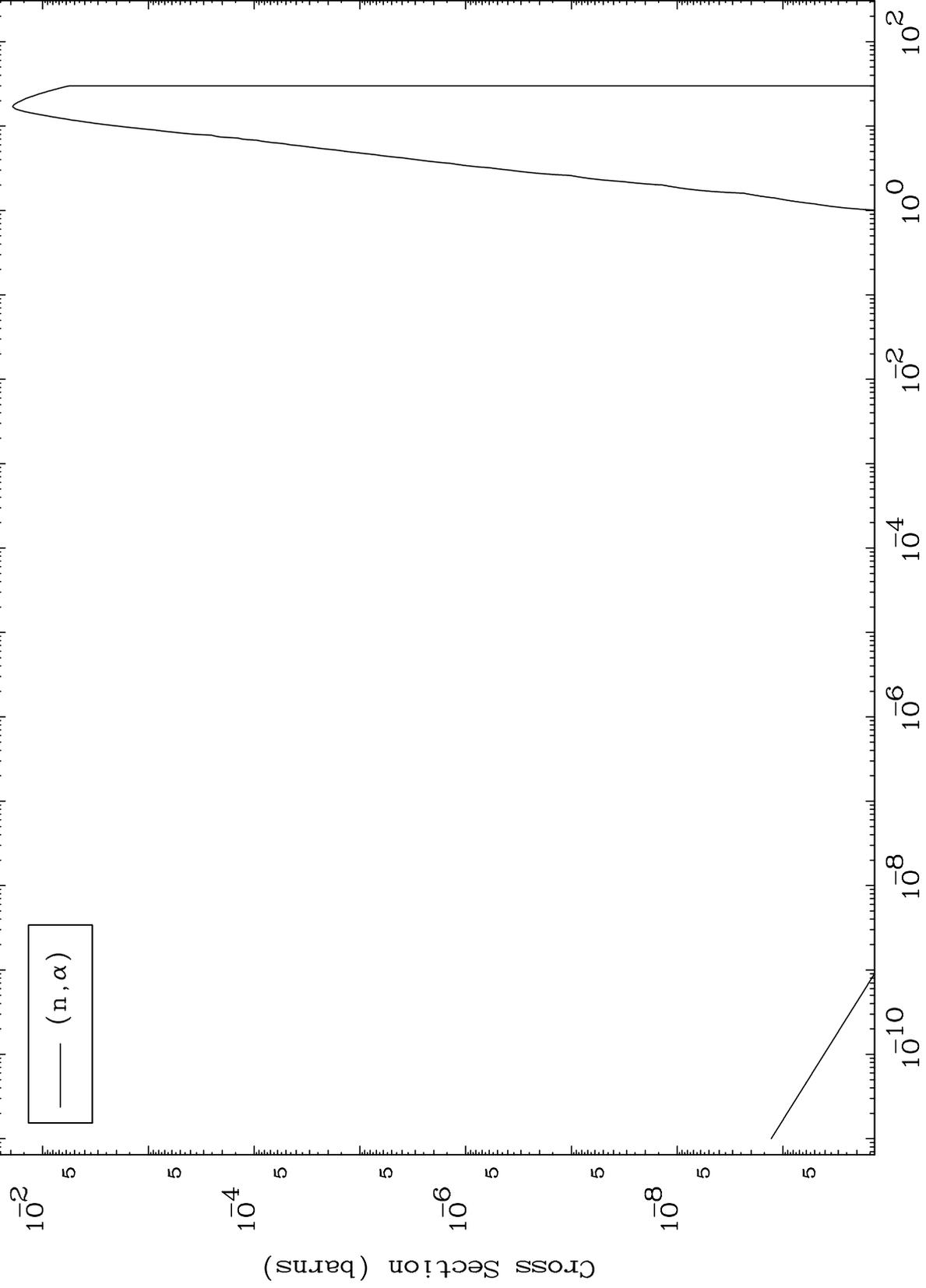
Incident Energy (MeV)

34-Se-79

MAT 3440

(n, α) Levels
293 Kelvin Cross Sections

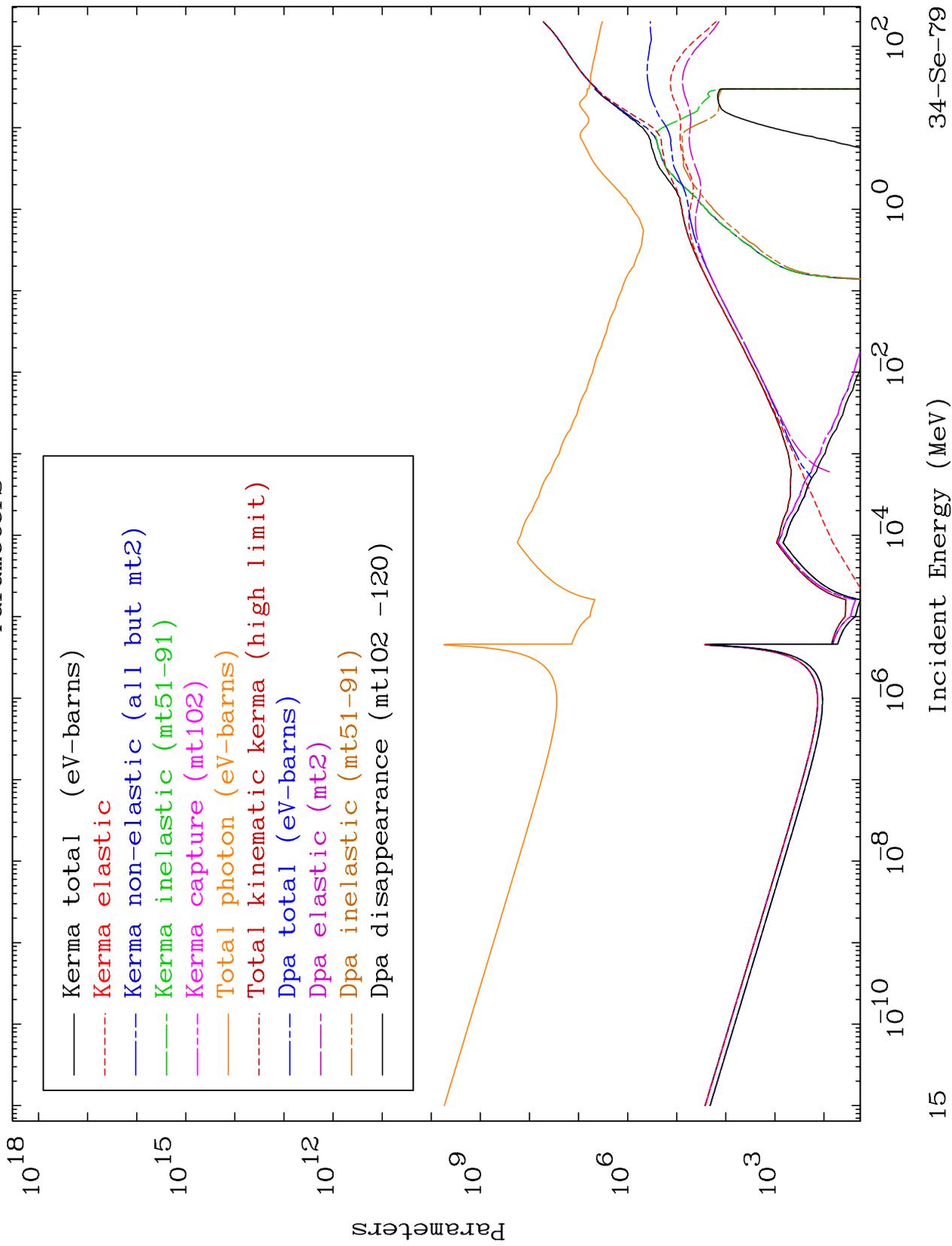
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14

Incident Energy (MeV)

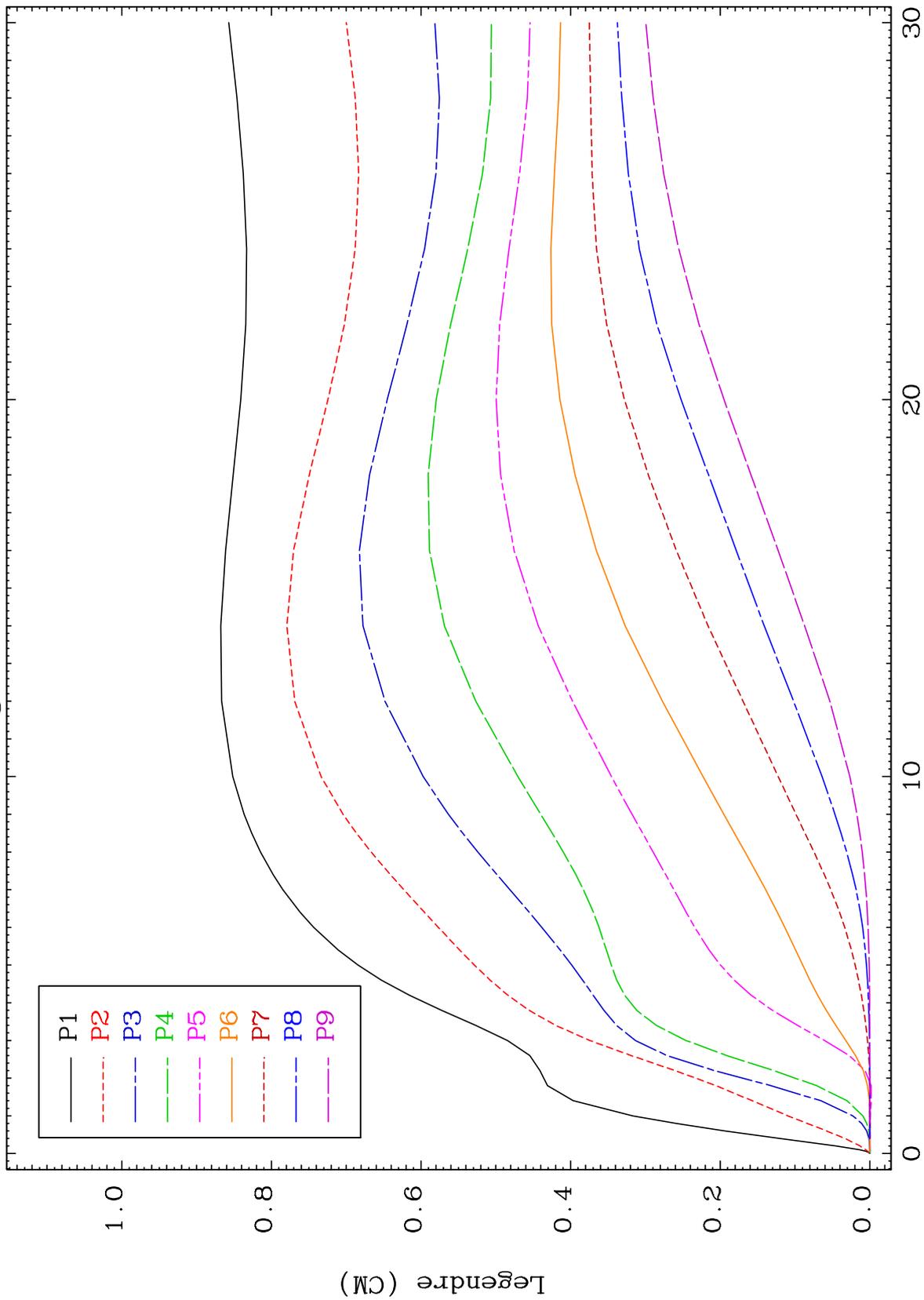
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MAT 3440

Elastic Legendre Coefficients

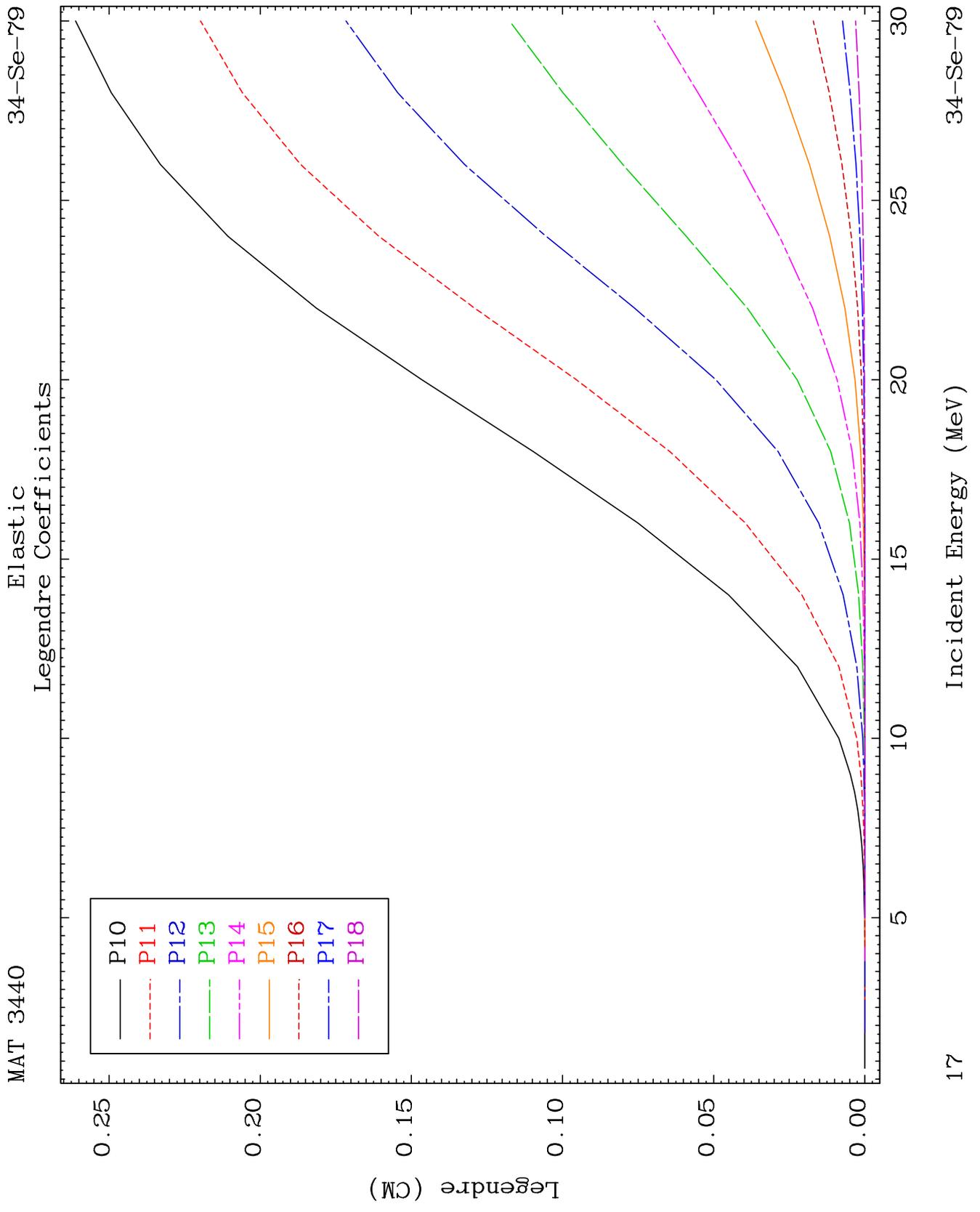
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16

Incident Energy (MeV)

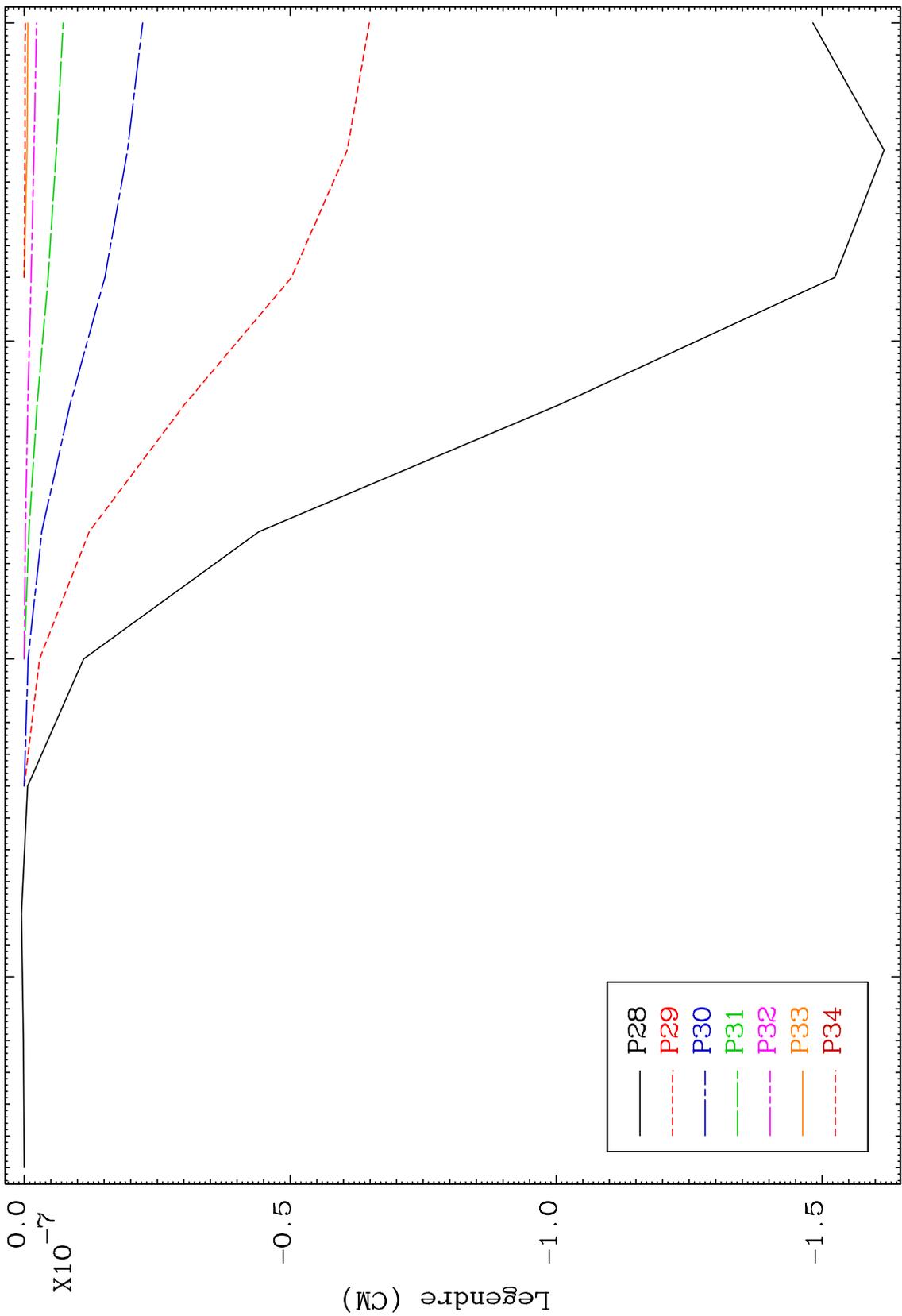
³⁴Se-79



MAT 3440

³⁴Se-79

Elastic Legendre Coefficients



10^{-7}

Legendre (CM)

15

20

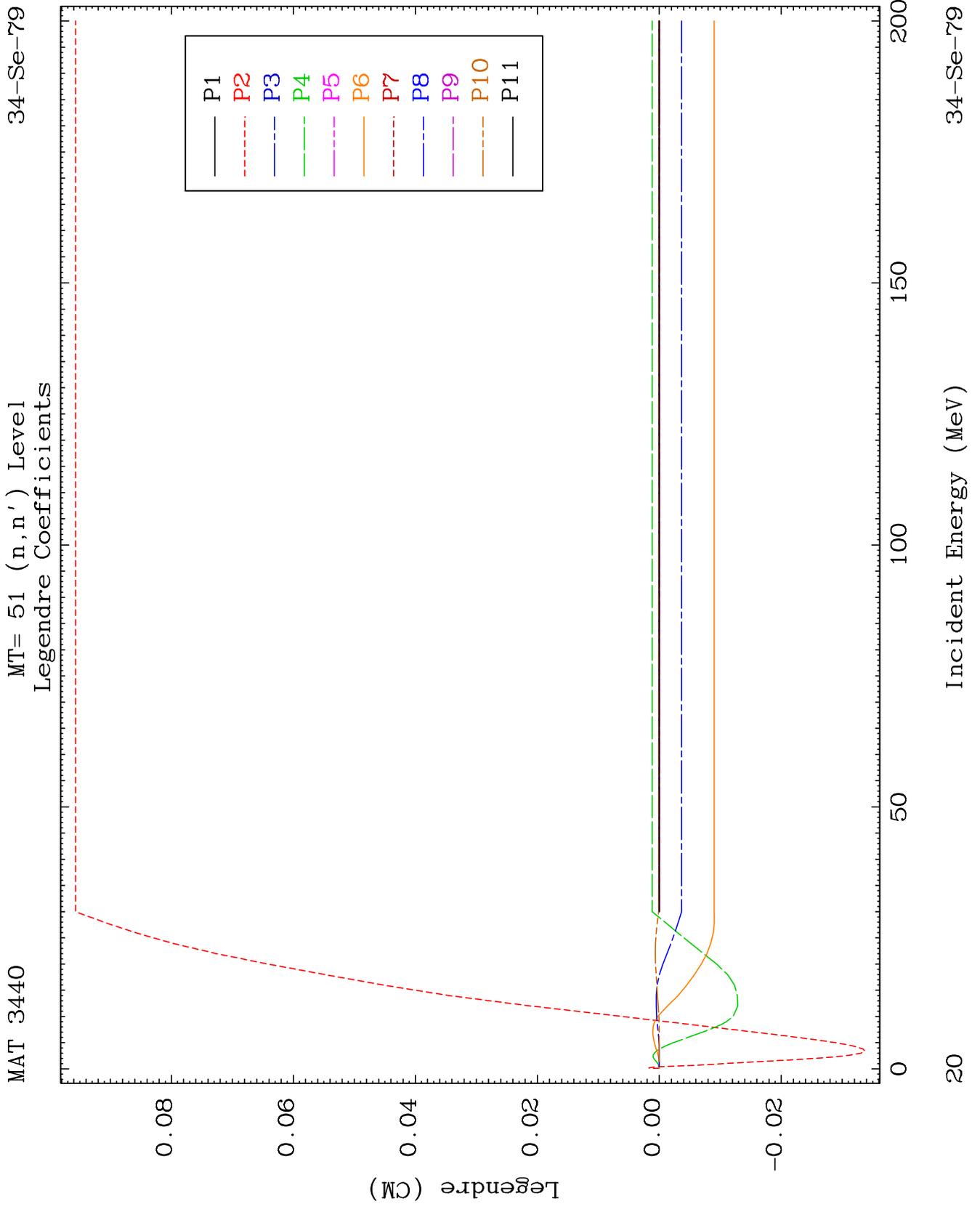
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30

19

Incident Energy (MeV)

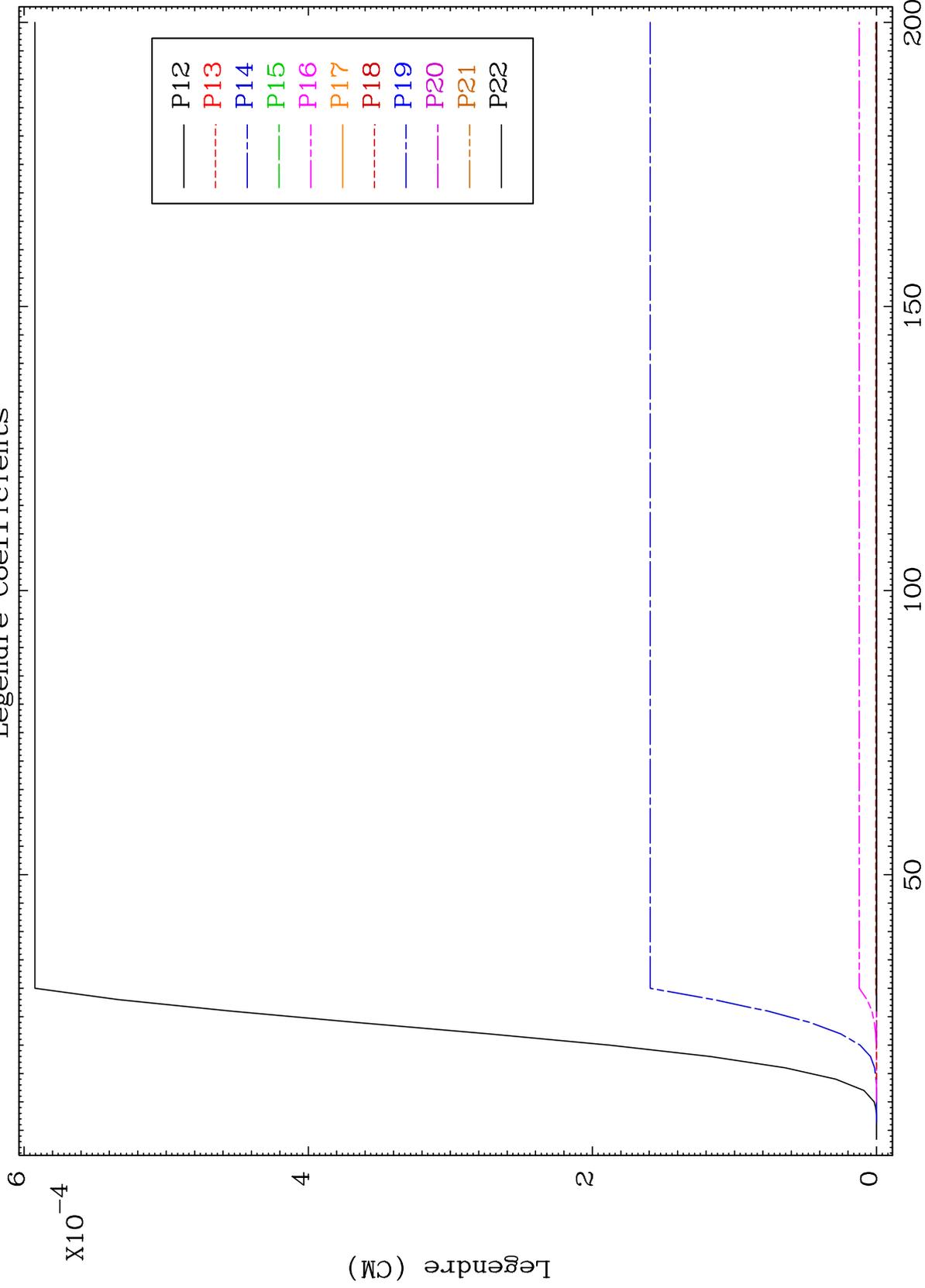
³⁴Se-79



MAT 3440

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

34-Se-79



21

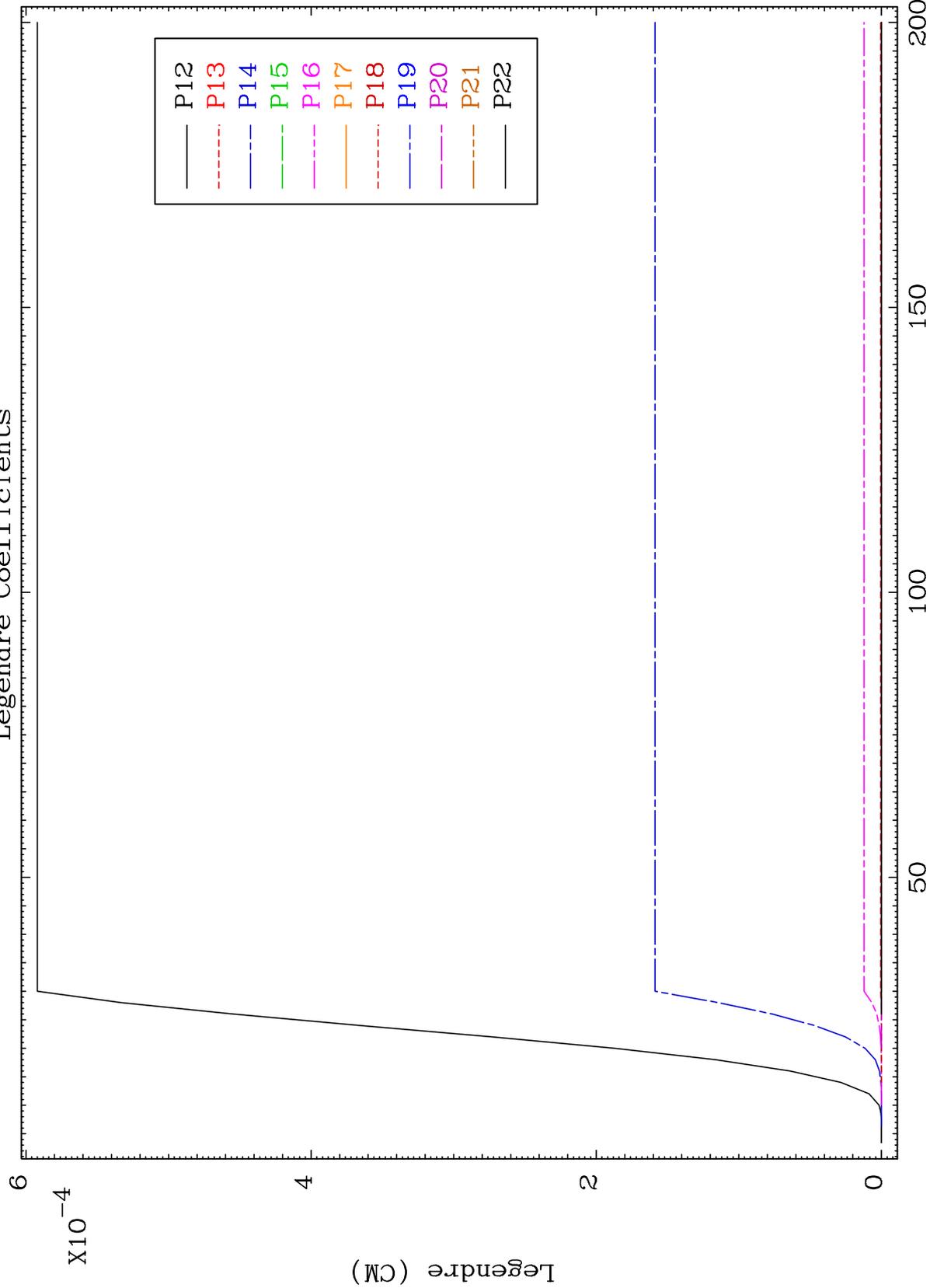
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



23

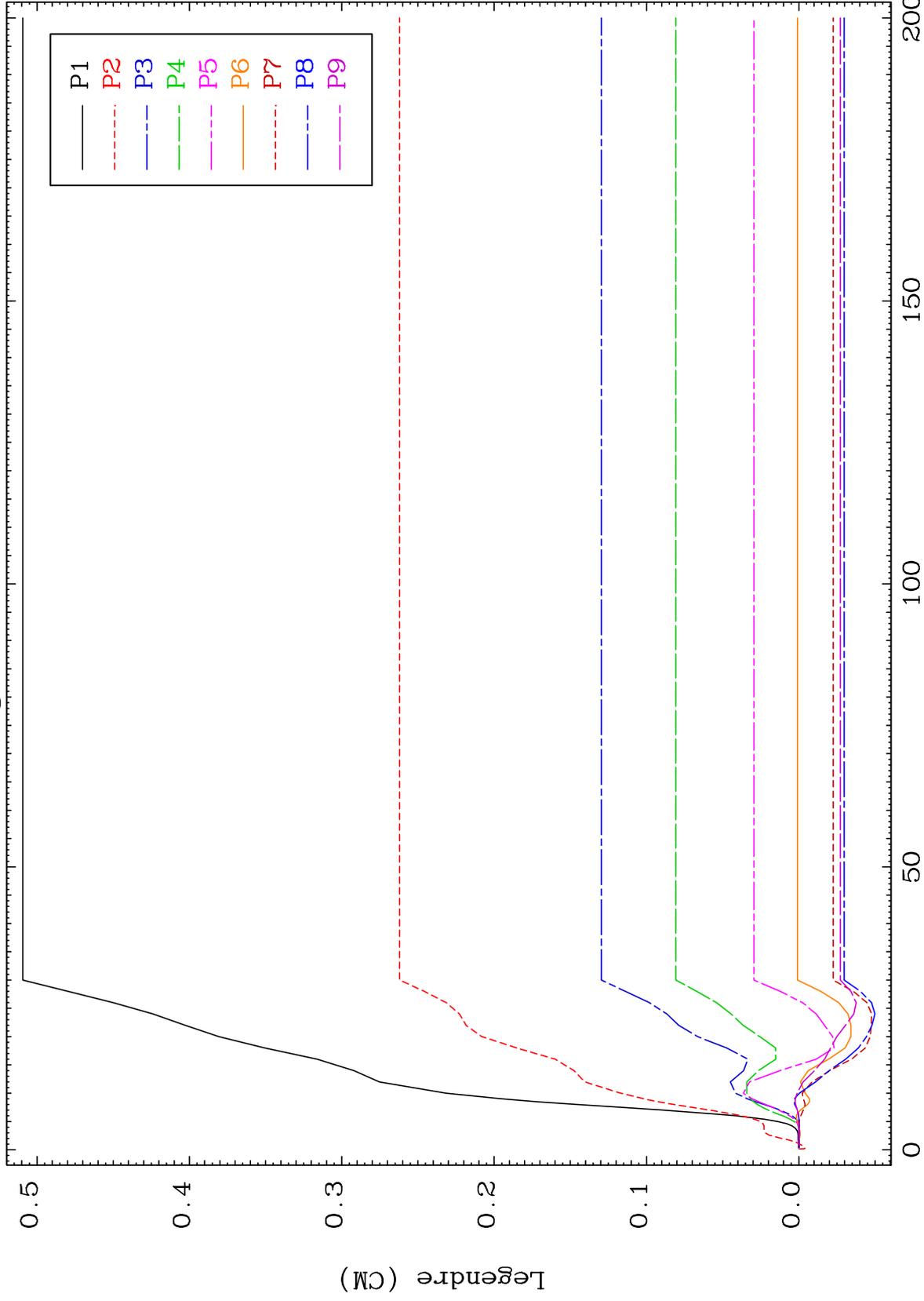
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



24

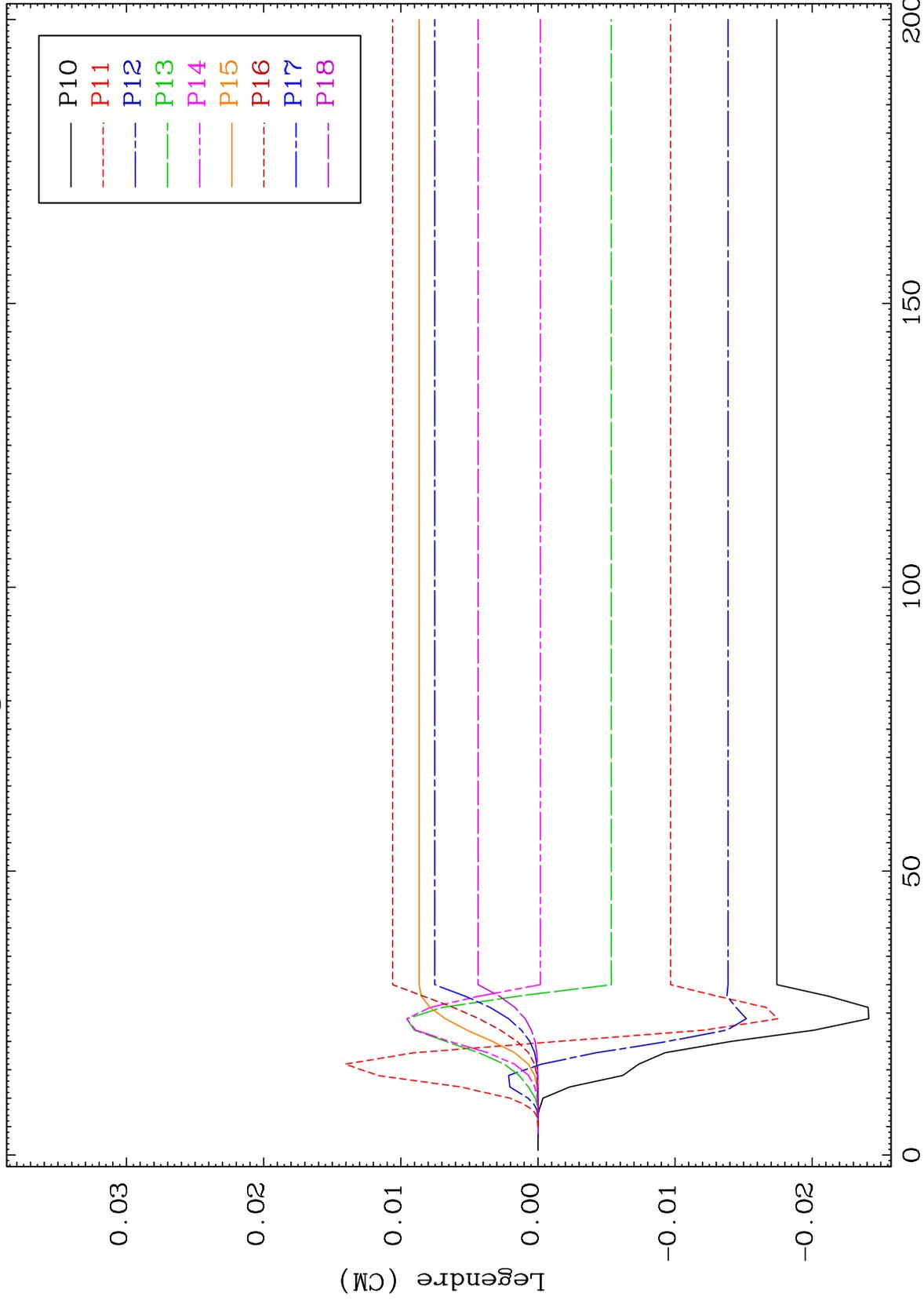
Incident Energy (MeV)

34-Se-79

MAT 3440

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

³⁴Se-79



25

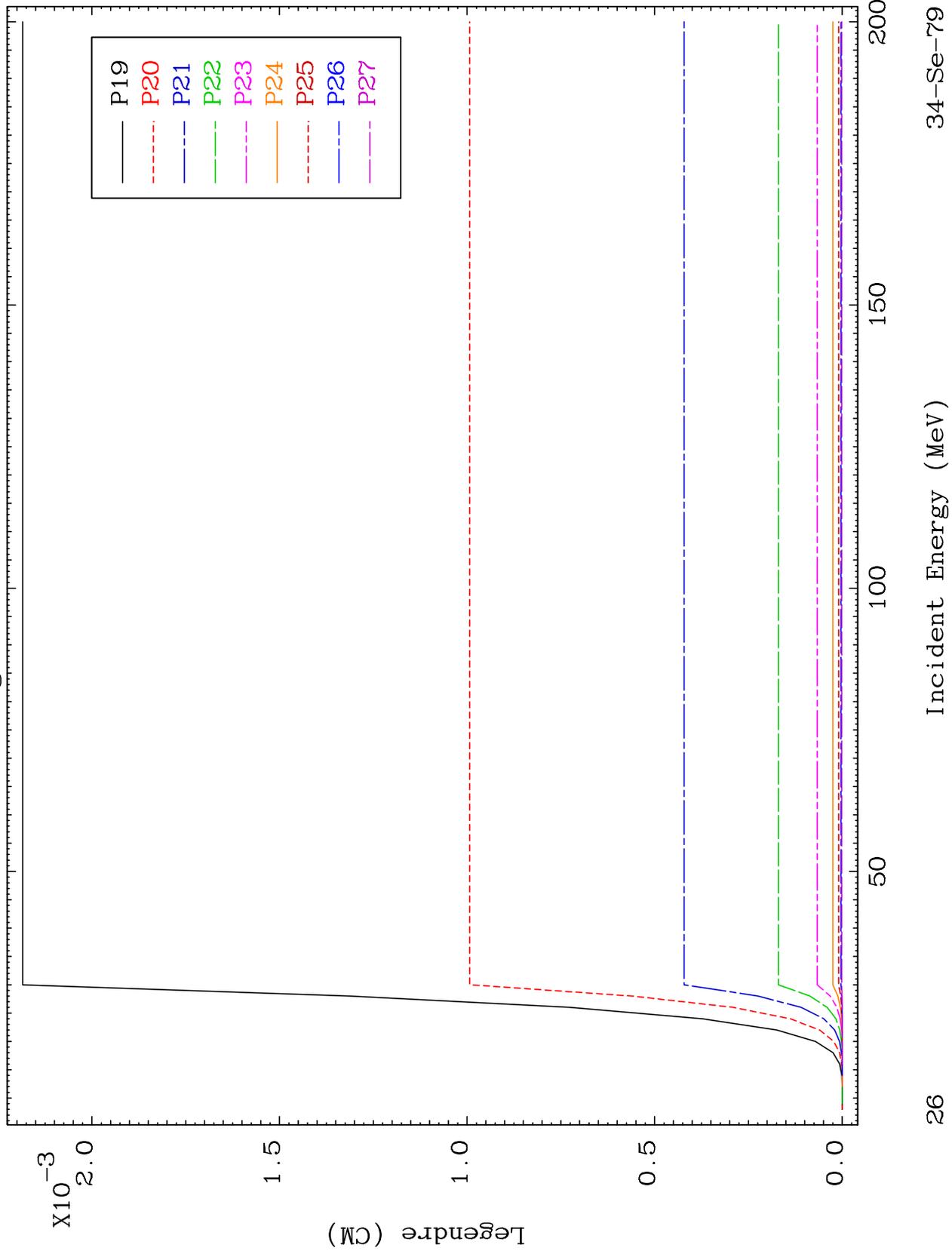
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

³⁴Se-79



26

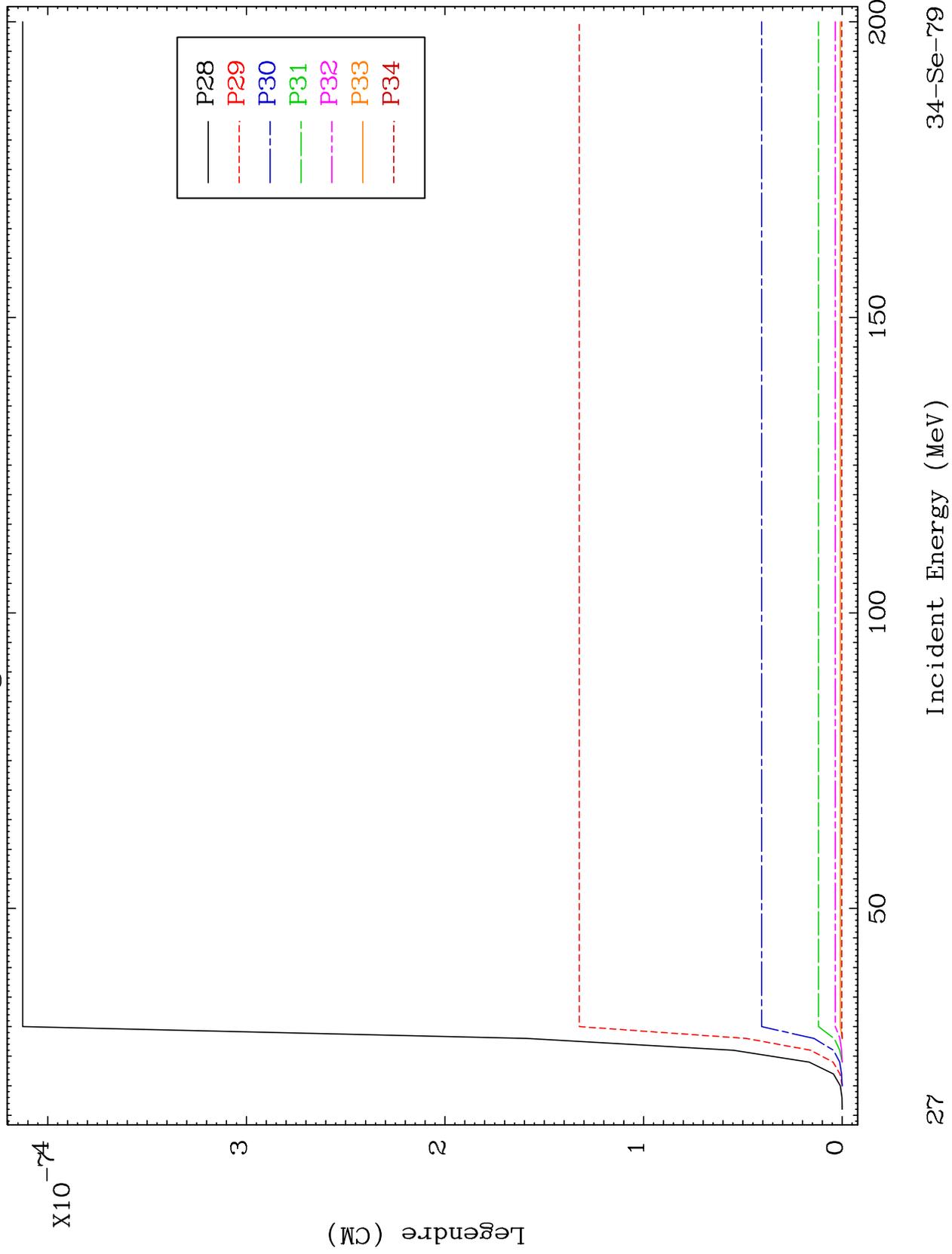
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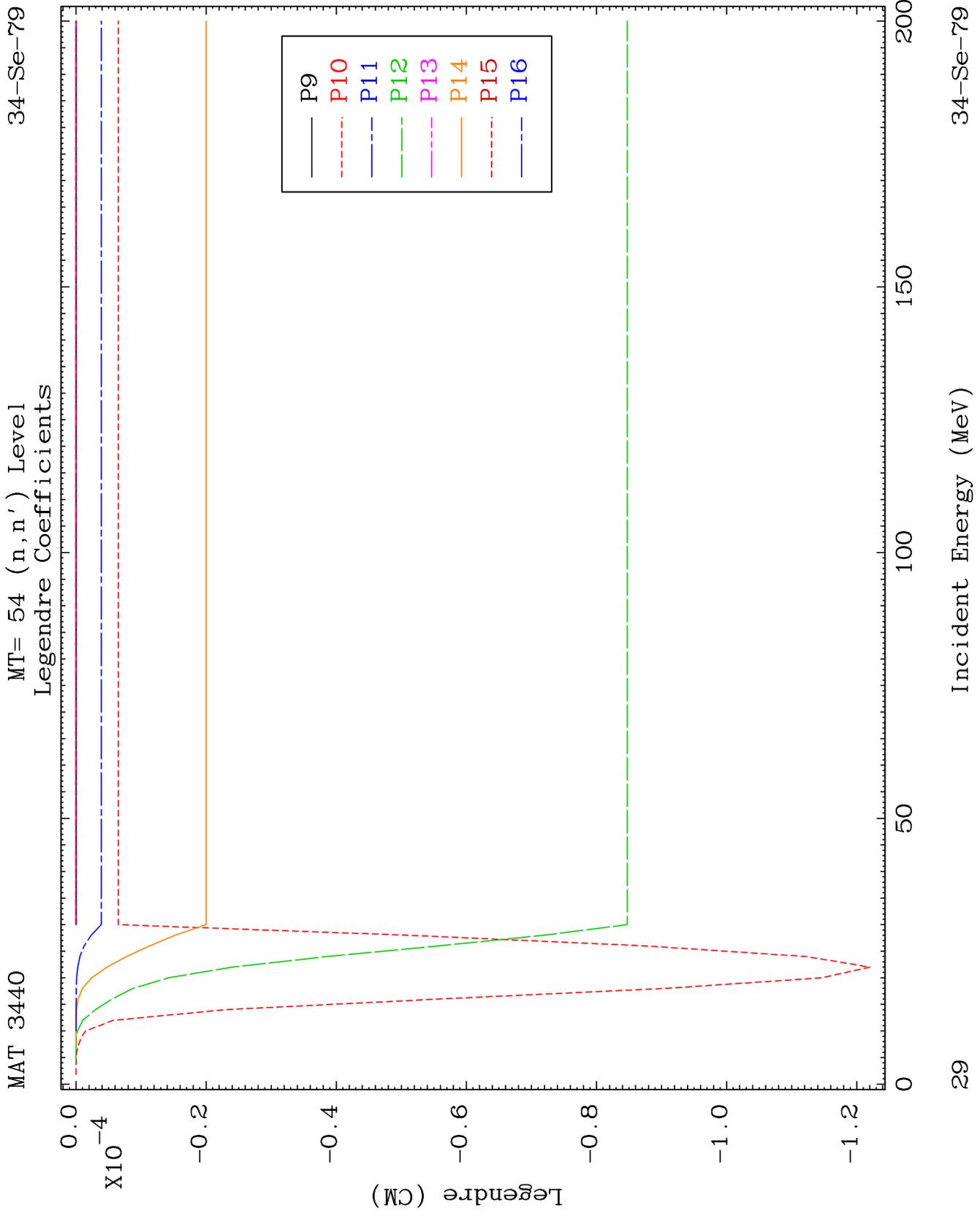
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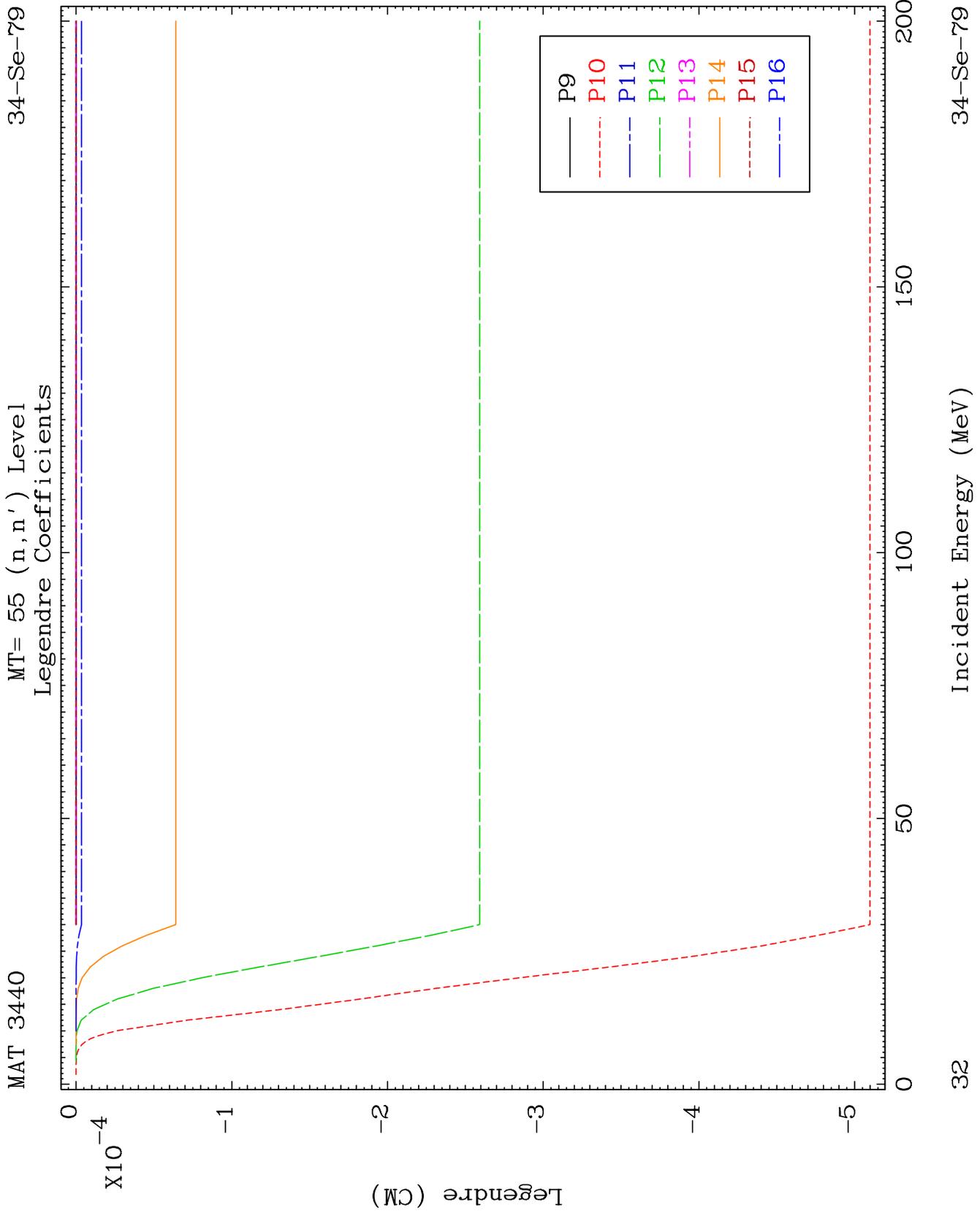
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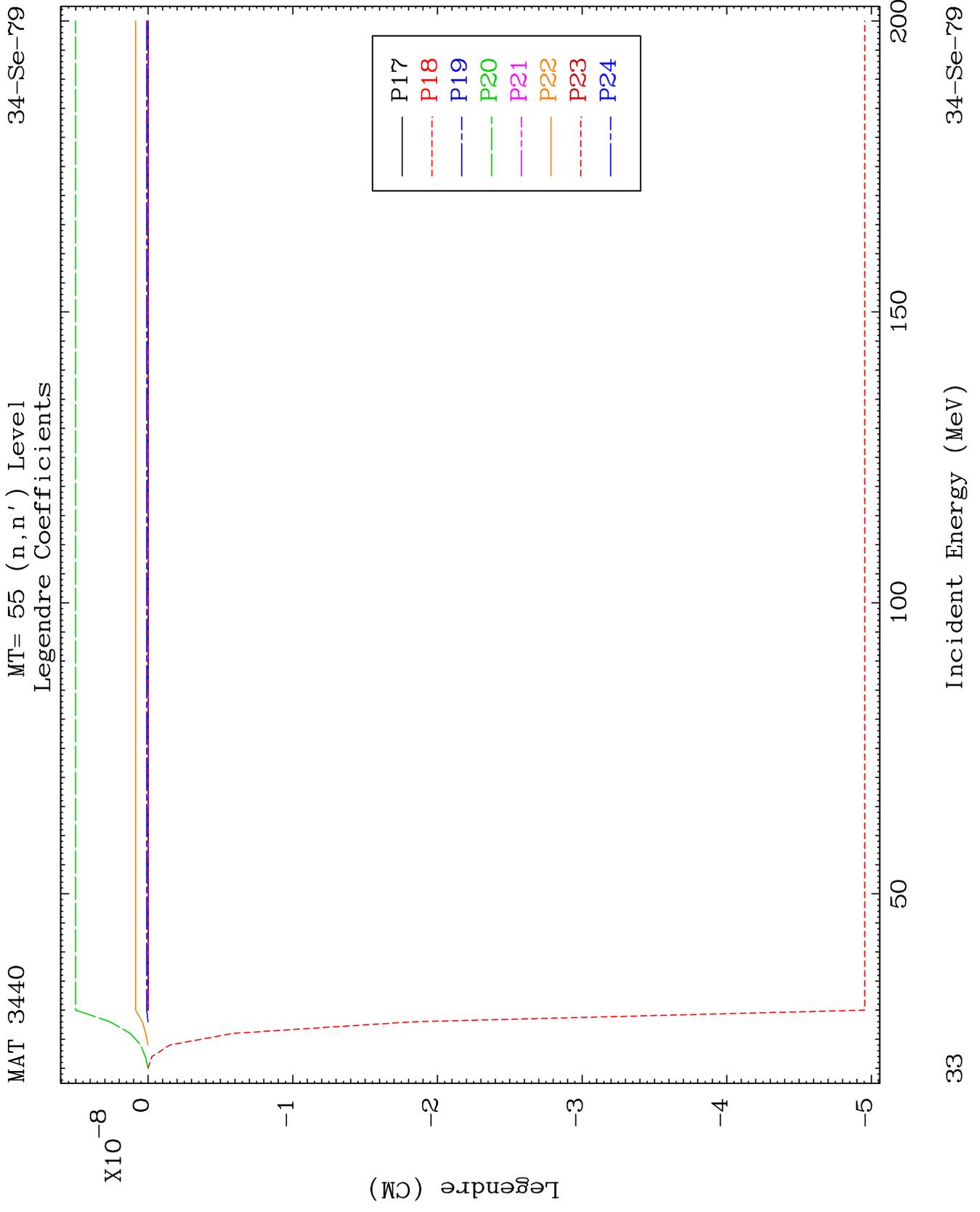
MT= 53 (n,n') Level
Legendre Coefficients

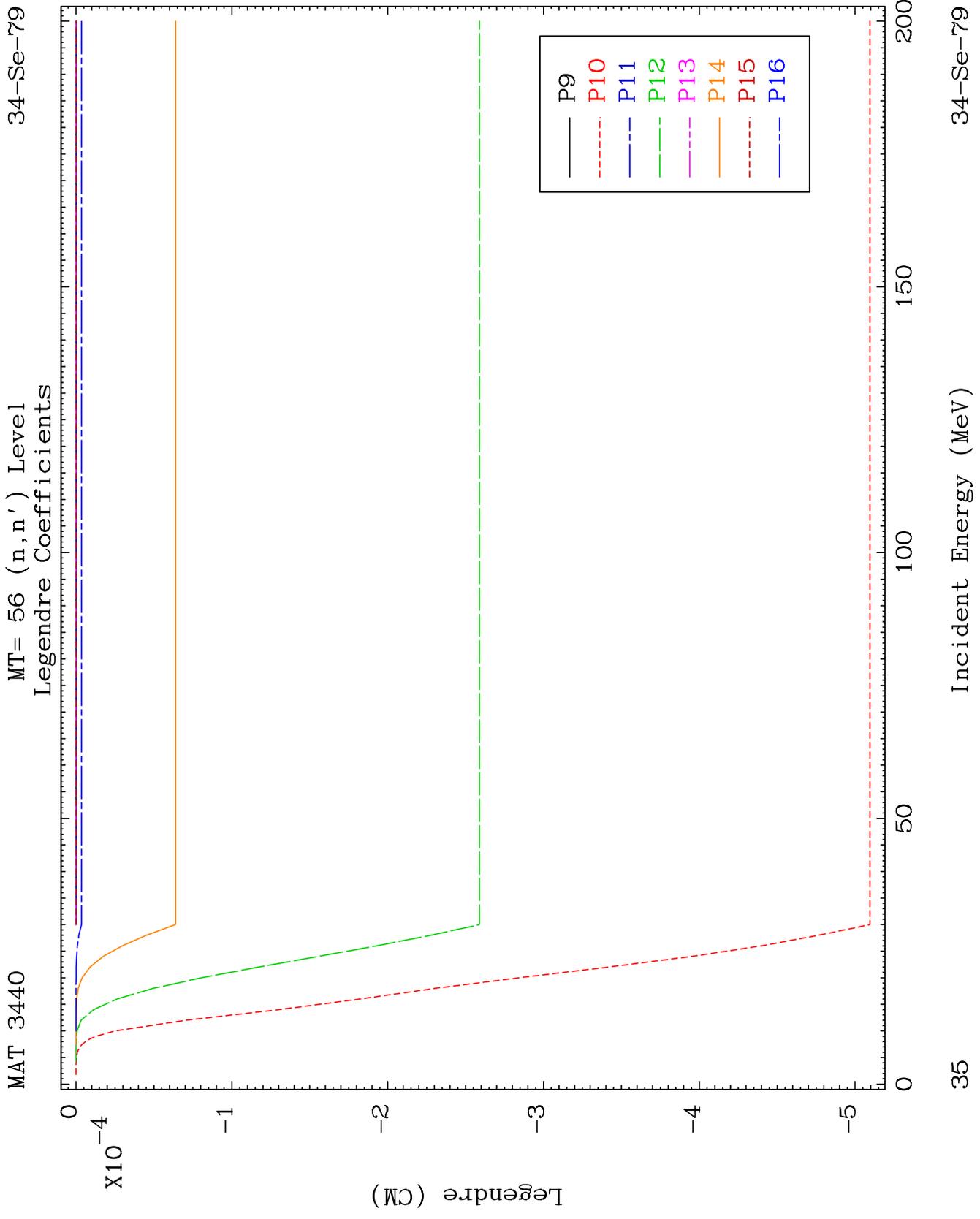
34-Se-79







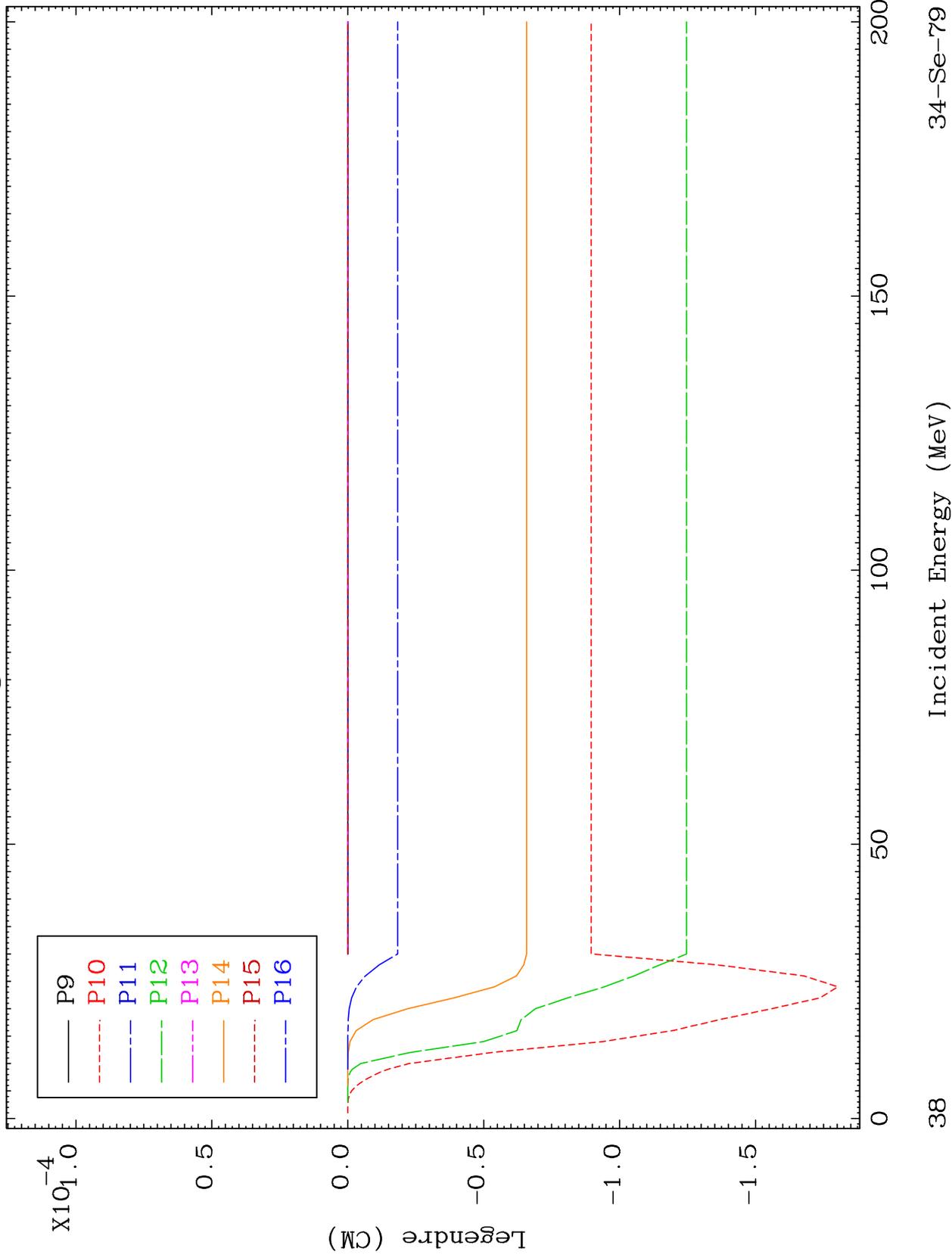


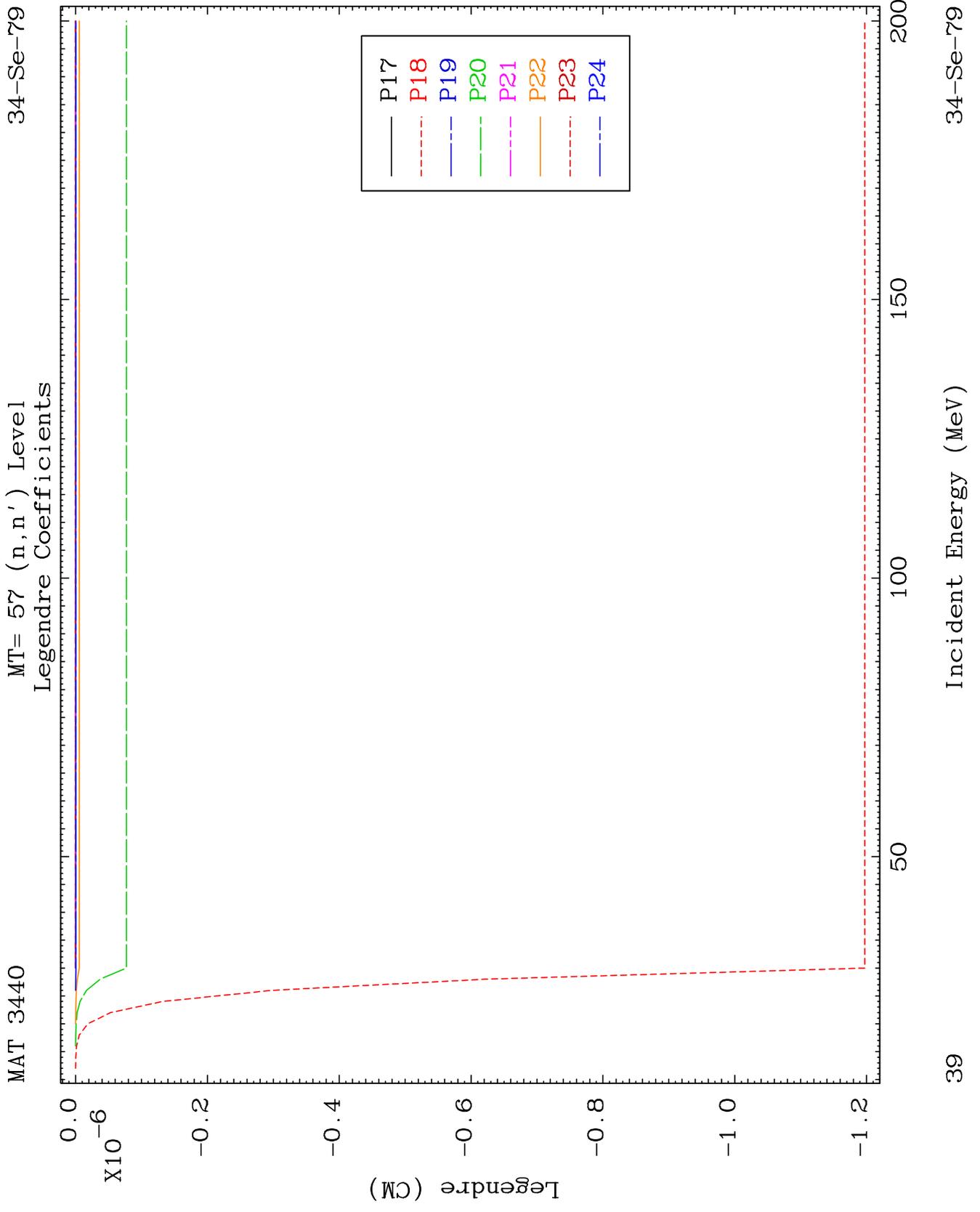


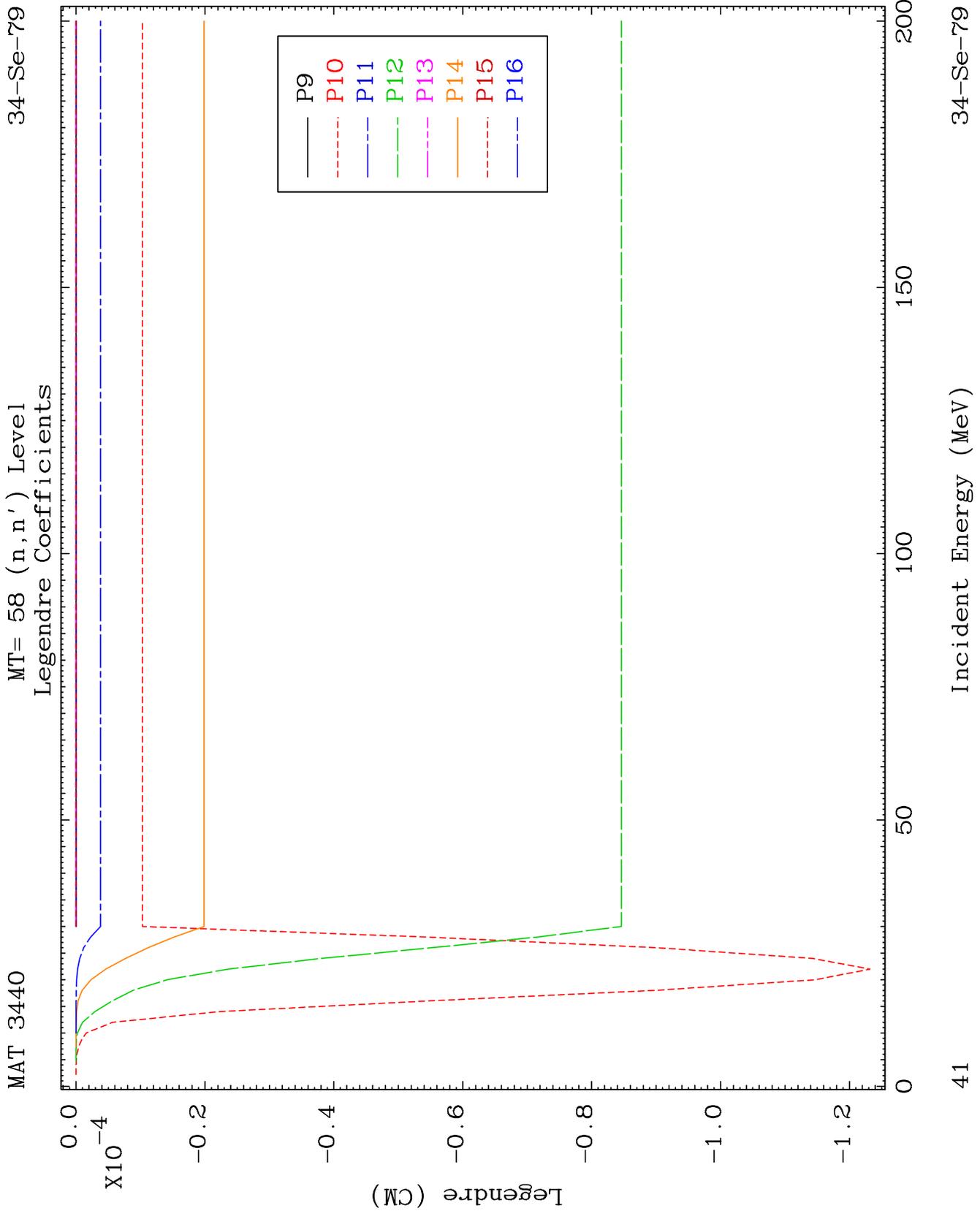
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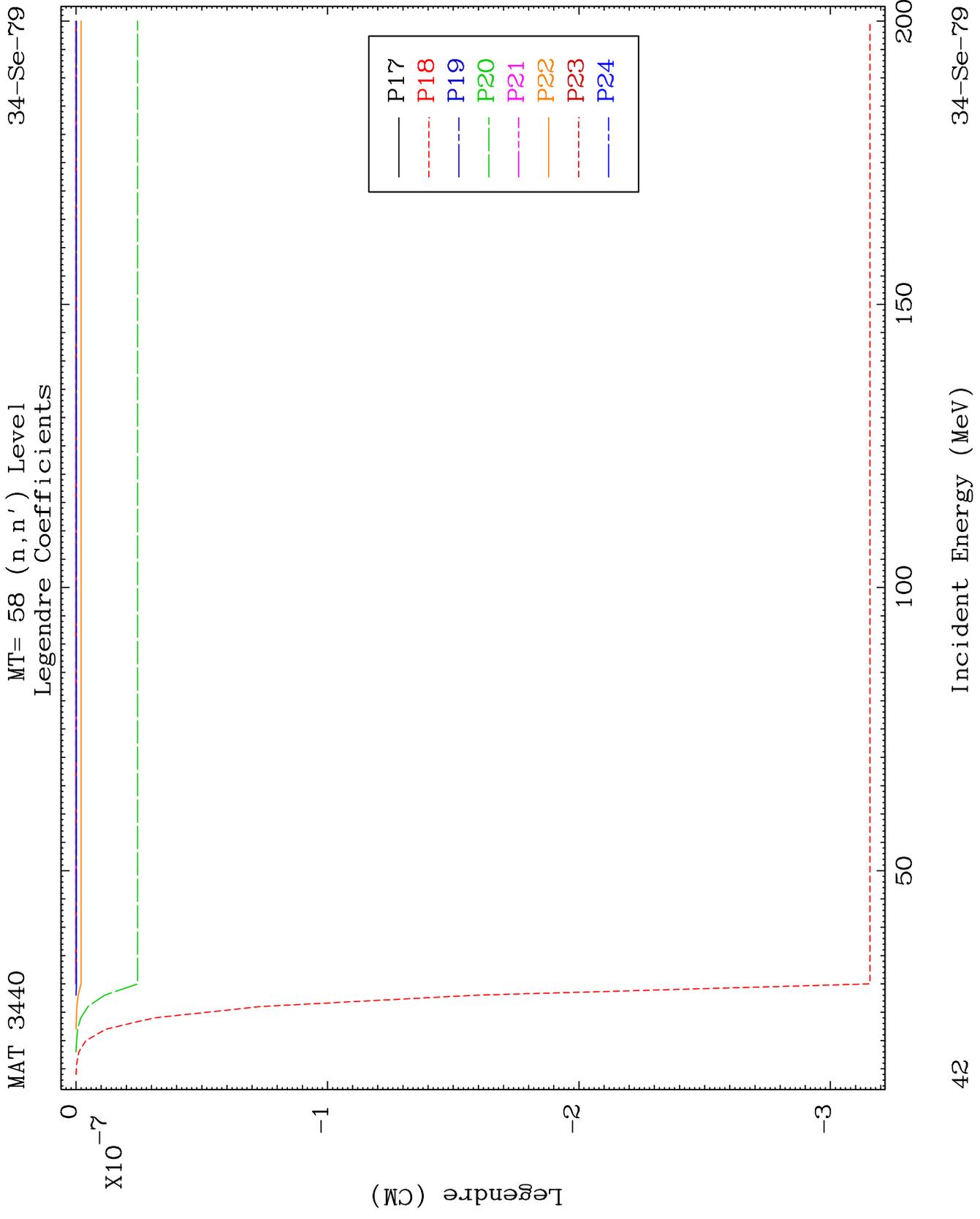
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Legendre Coefficients

34-Se-79





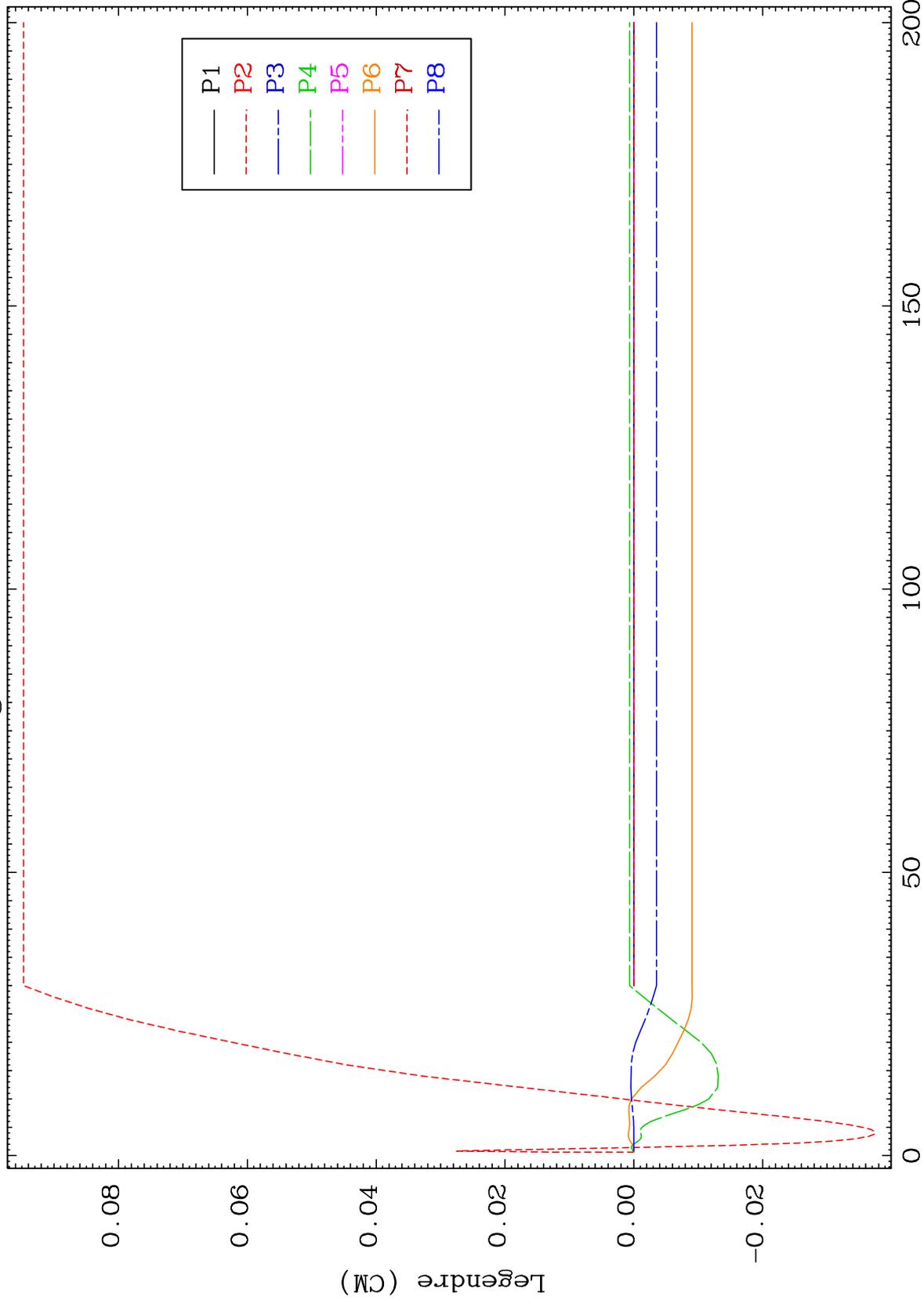




MAT 3440

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

34-Se-79



43

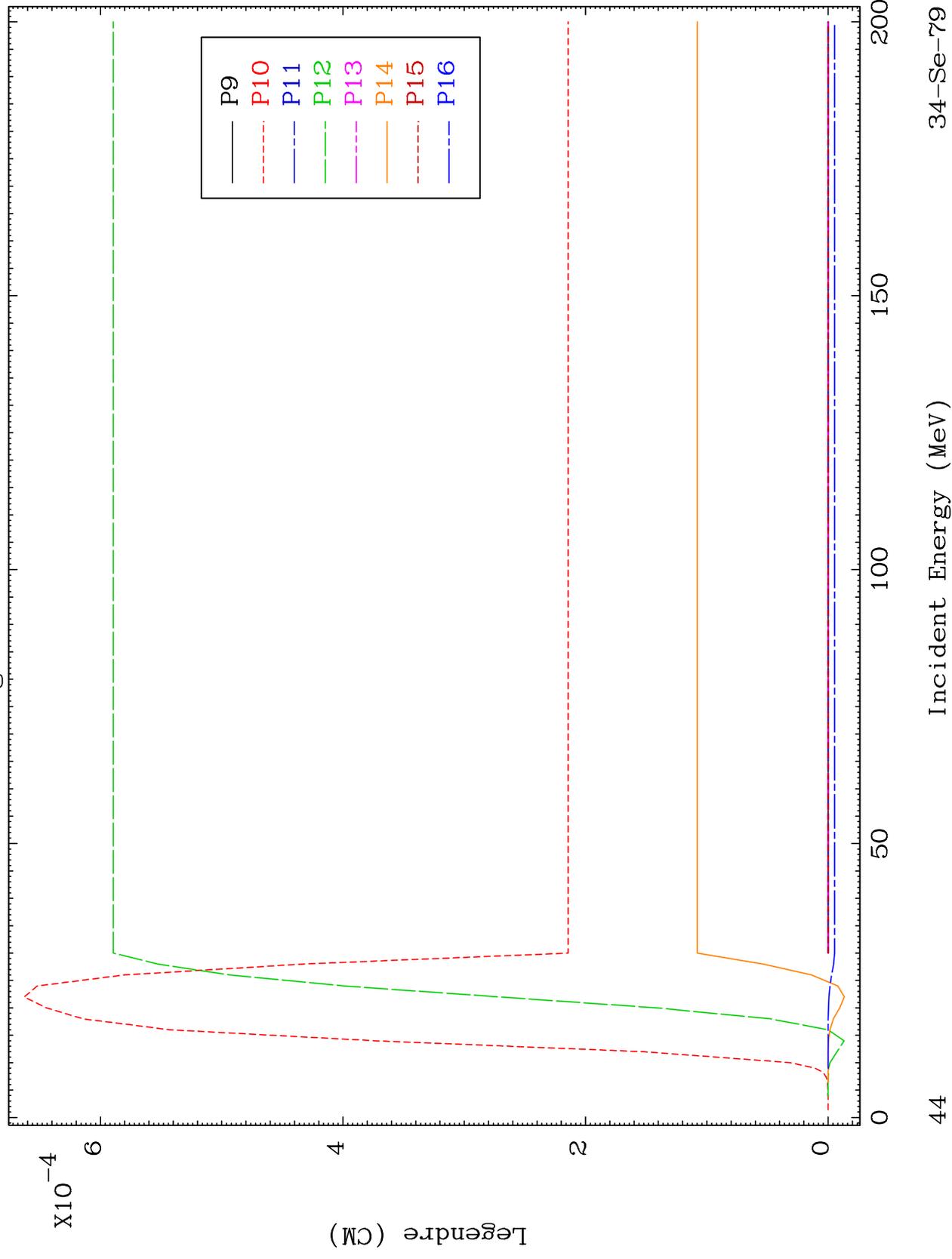
Incident Energy (MeV)

34-Se-79

MAT 3440

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

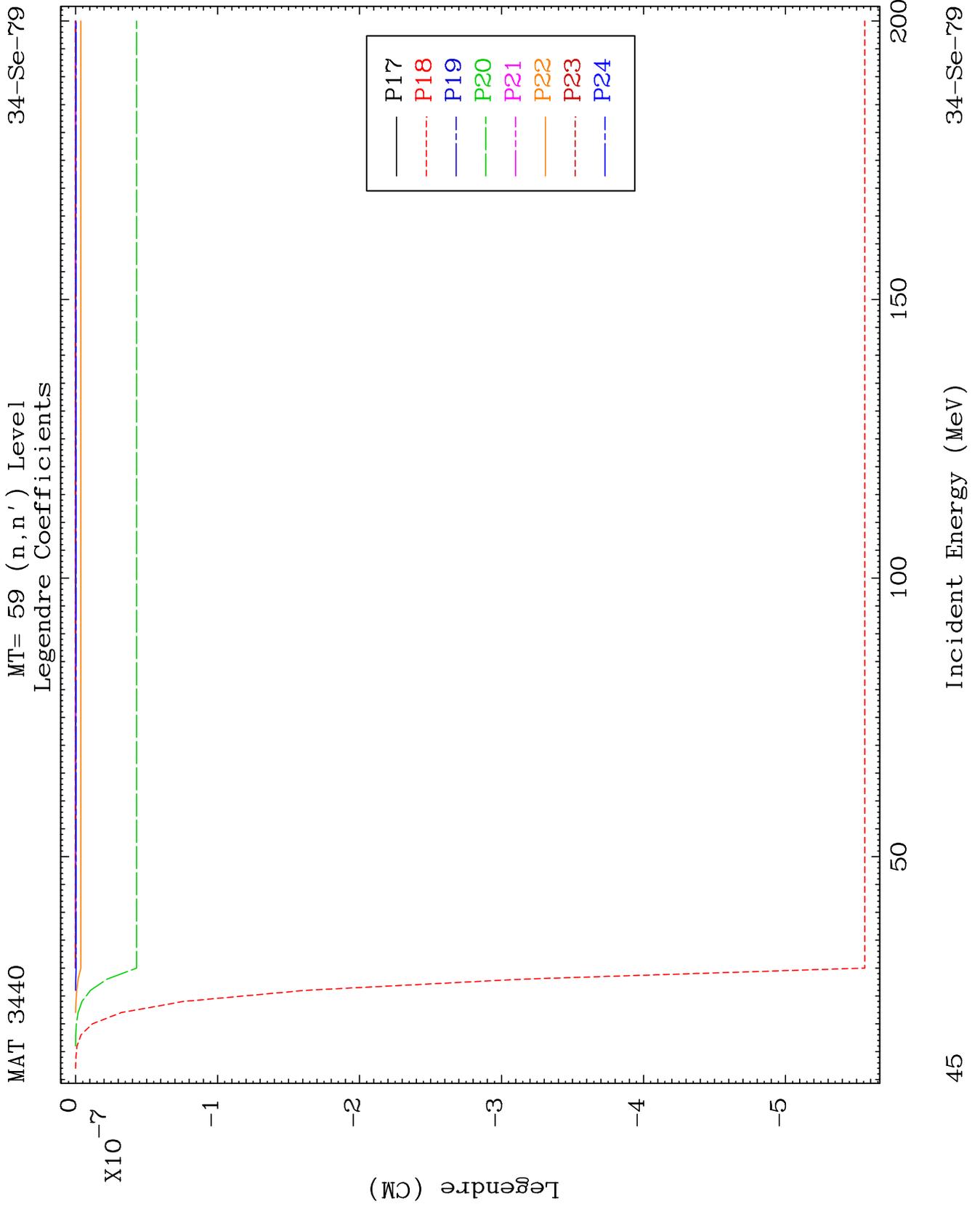
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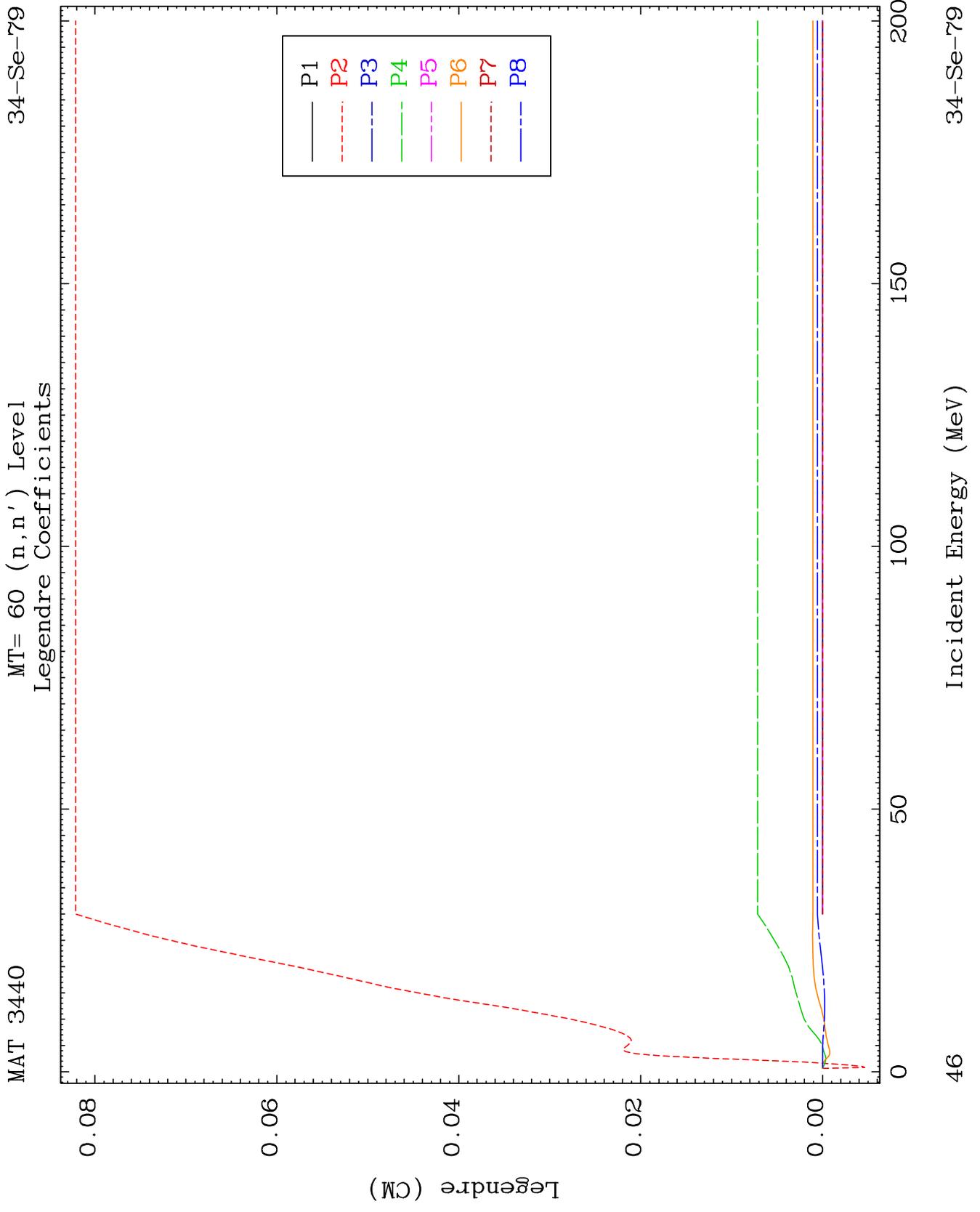


44

Incident Energy (MeV)

34-Se-79

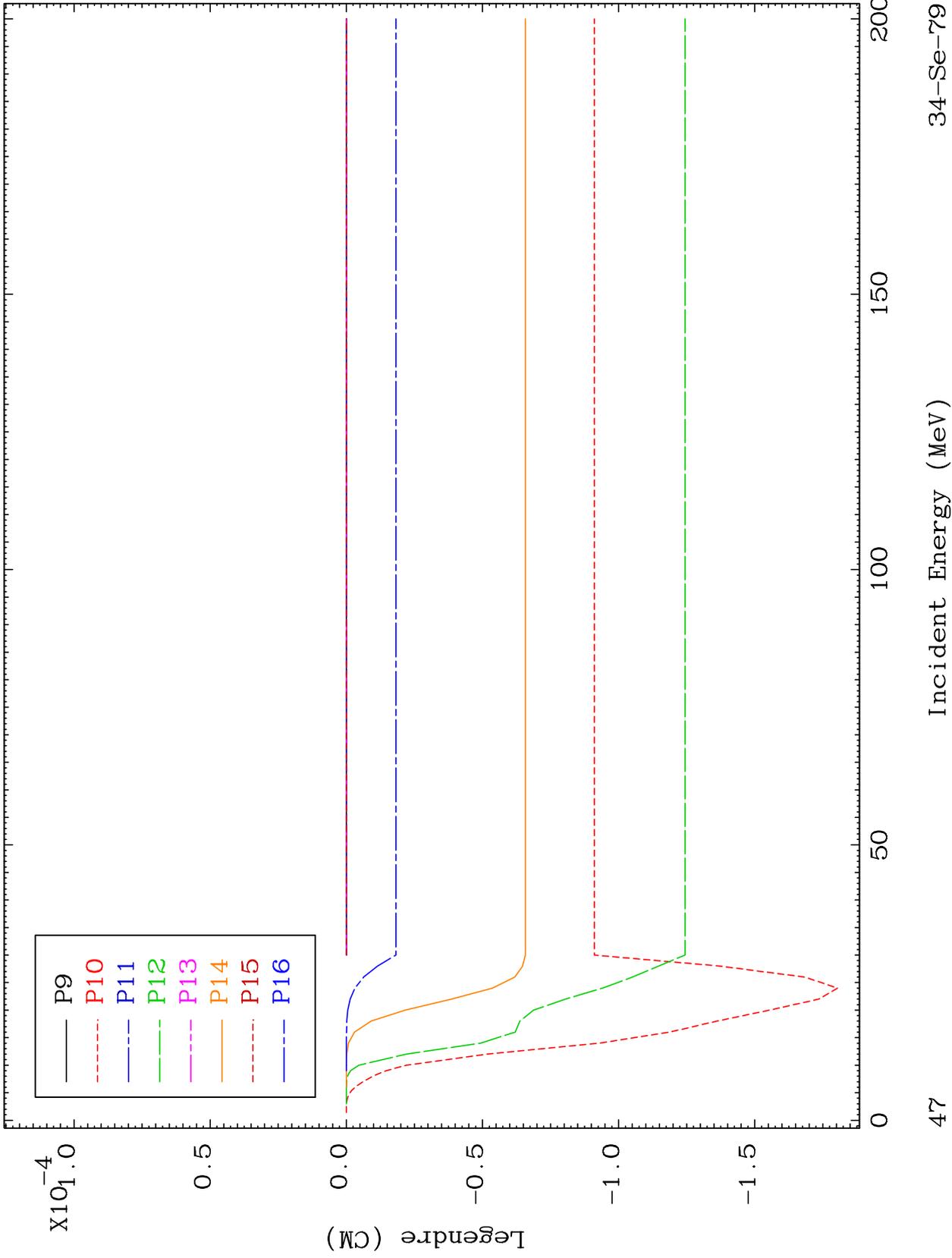


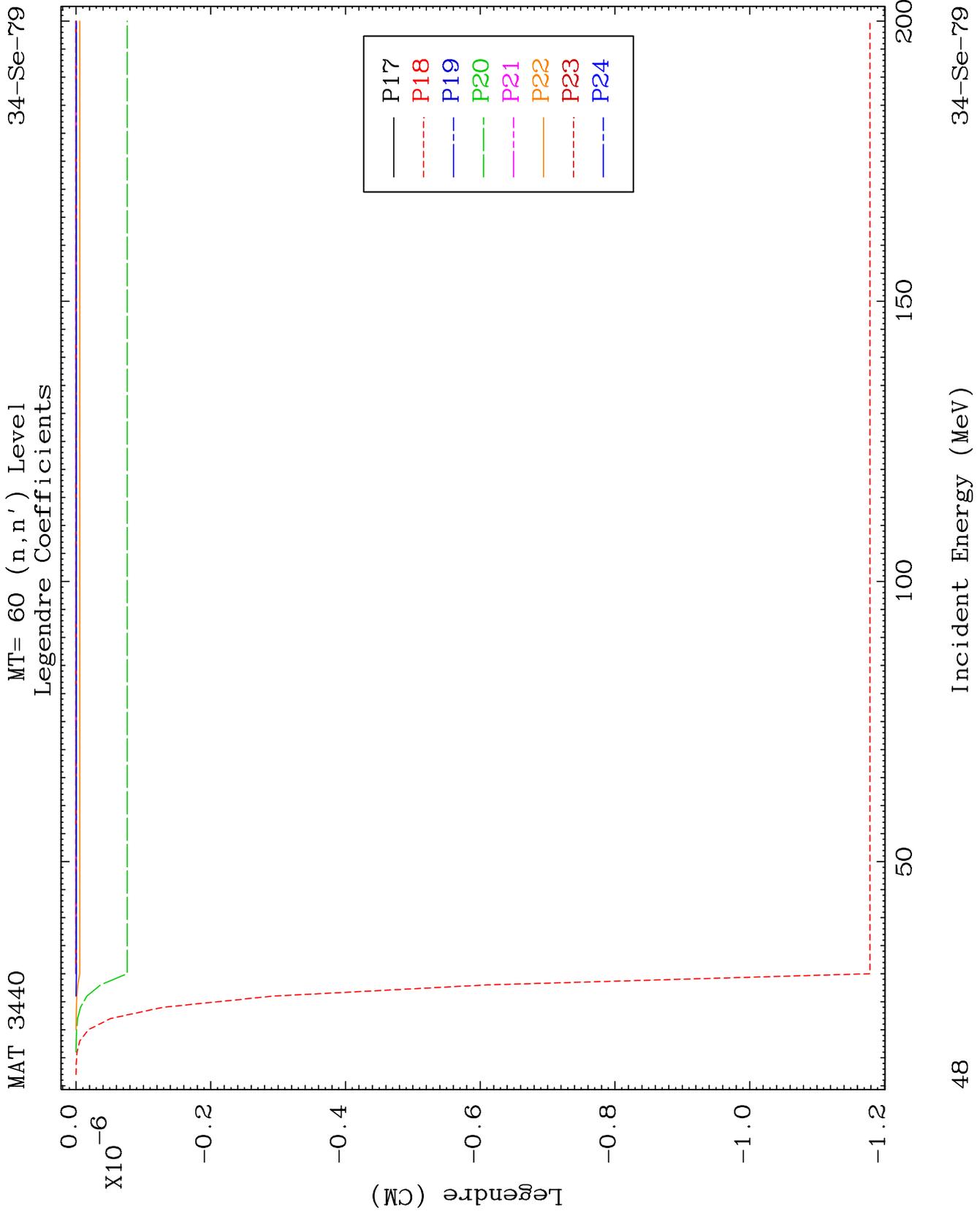


MAT 3440

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

34-Se-79

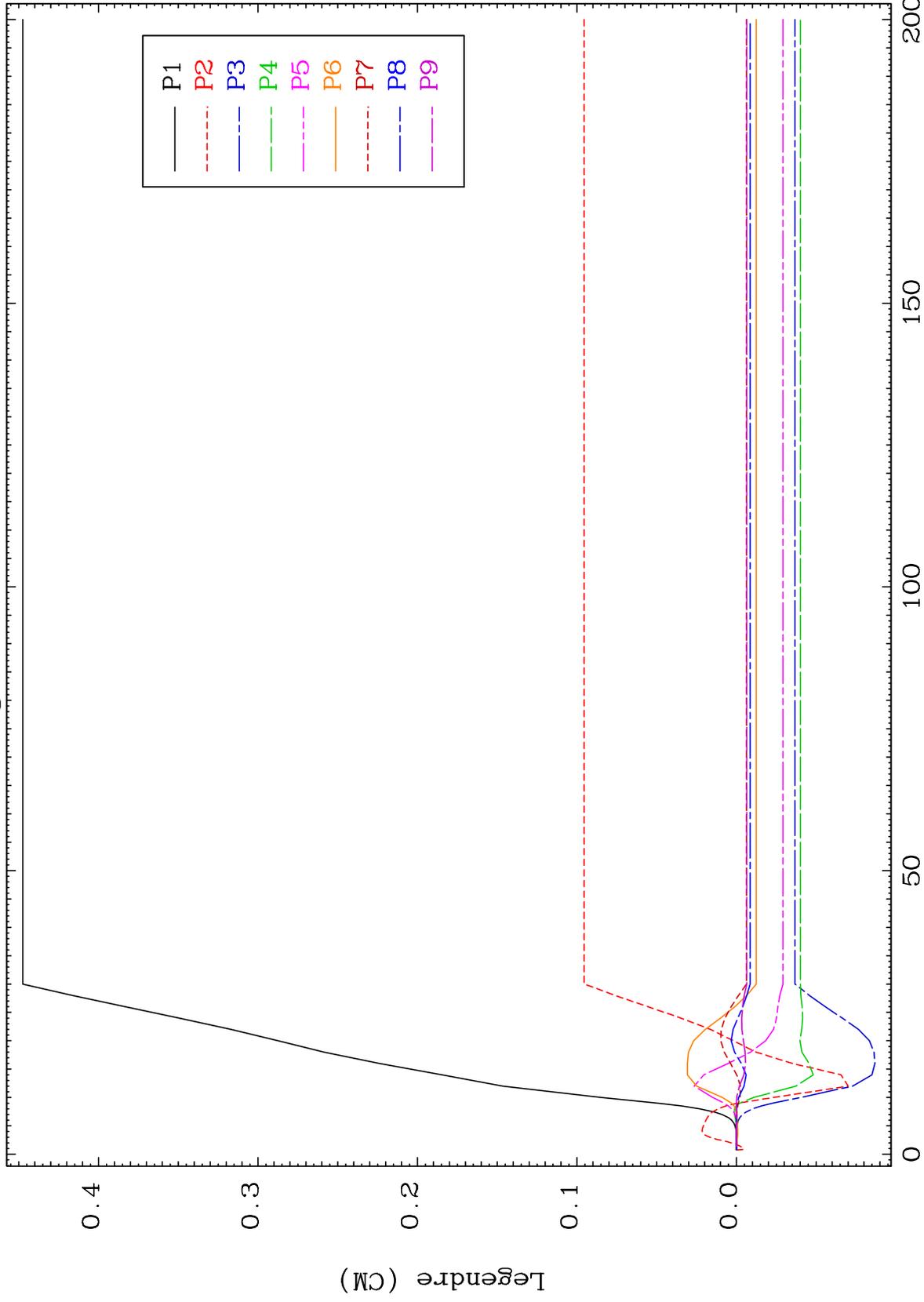




MAT 3440

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

³⁴Se-79



49

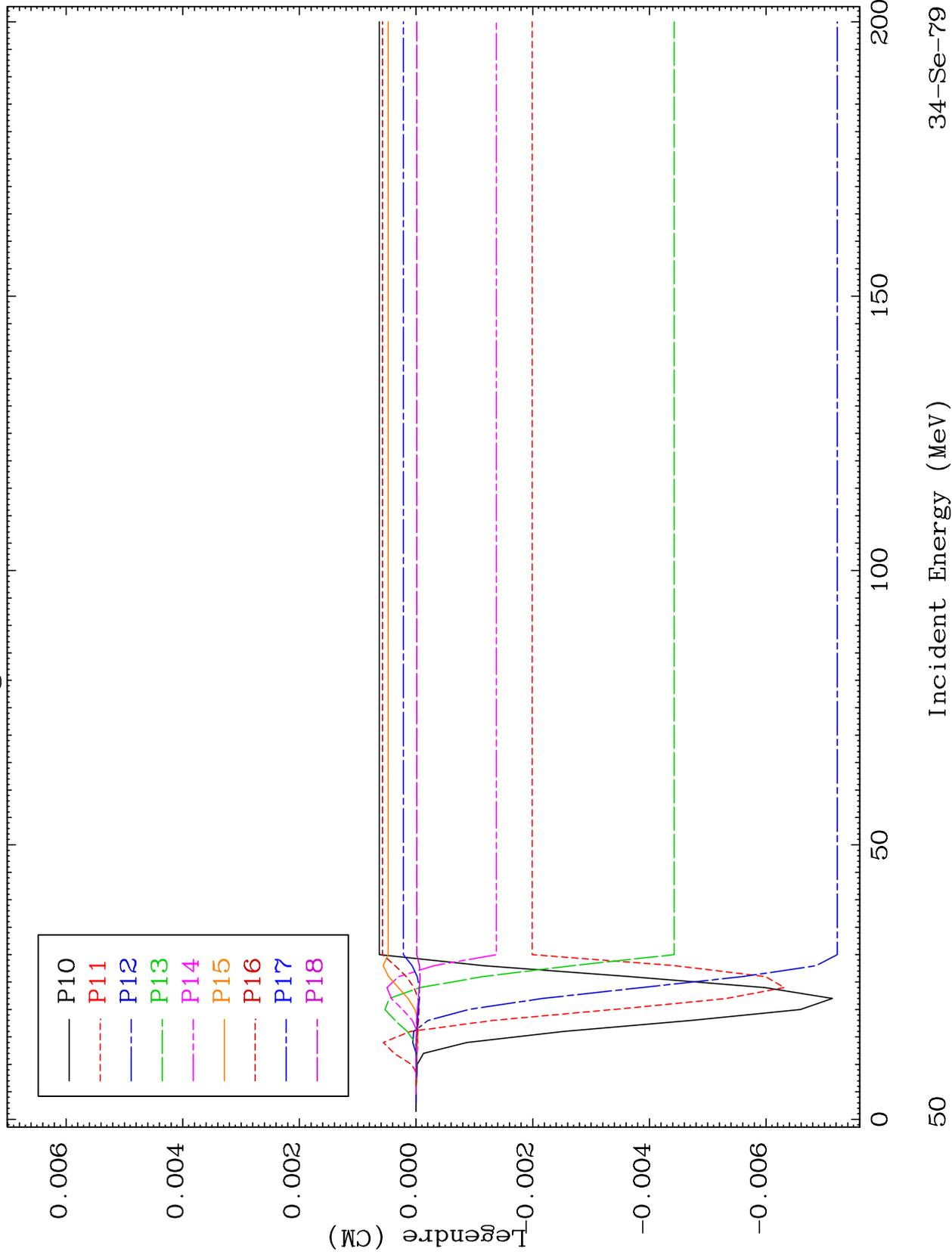
Incident Energy (MeV)

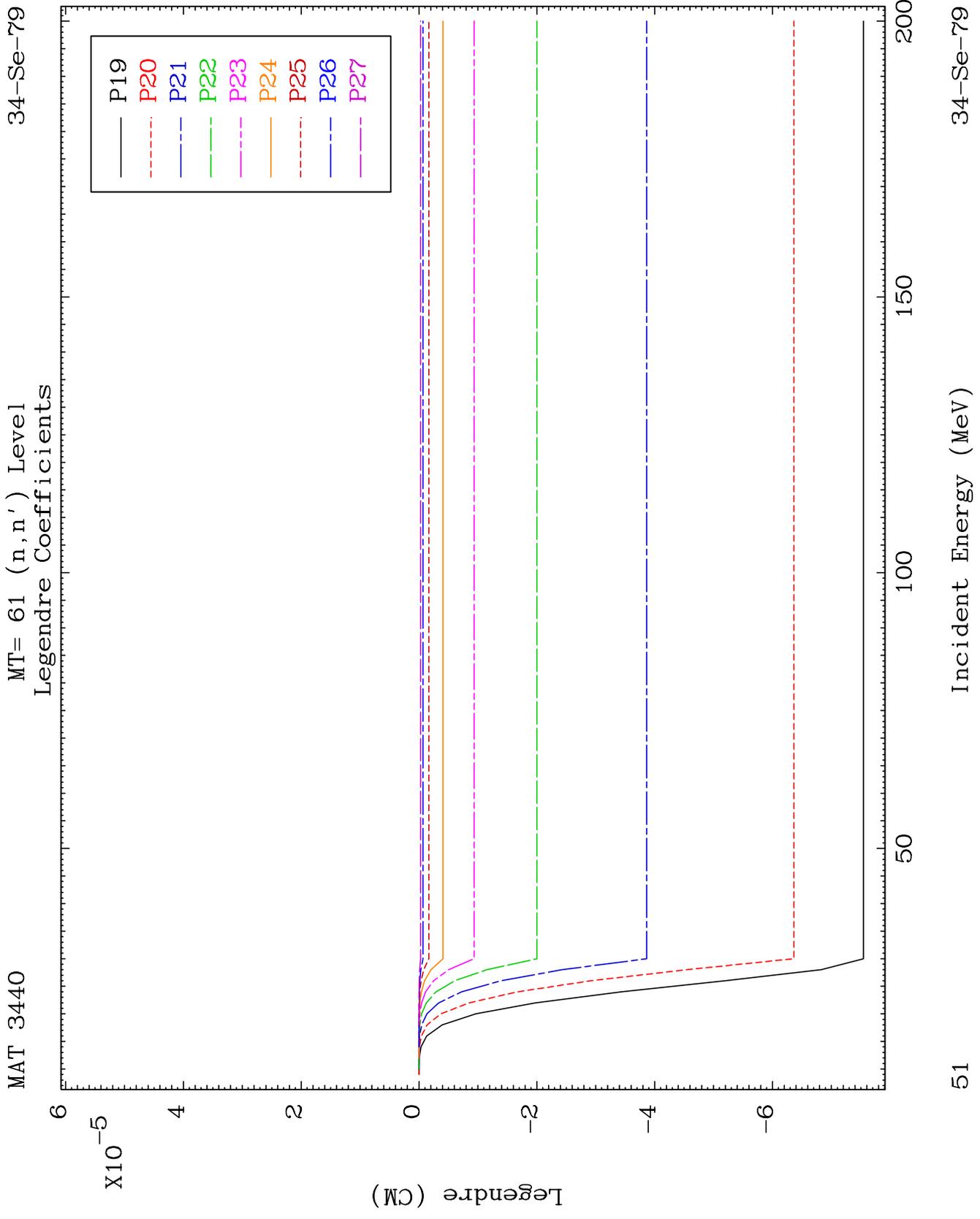
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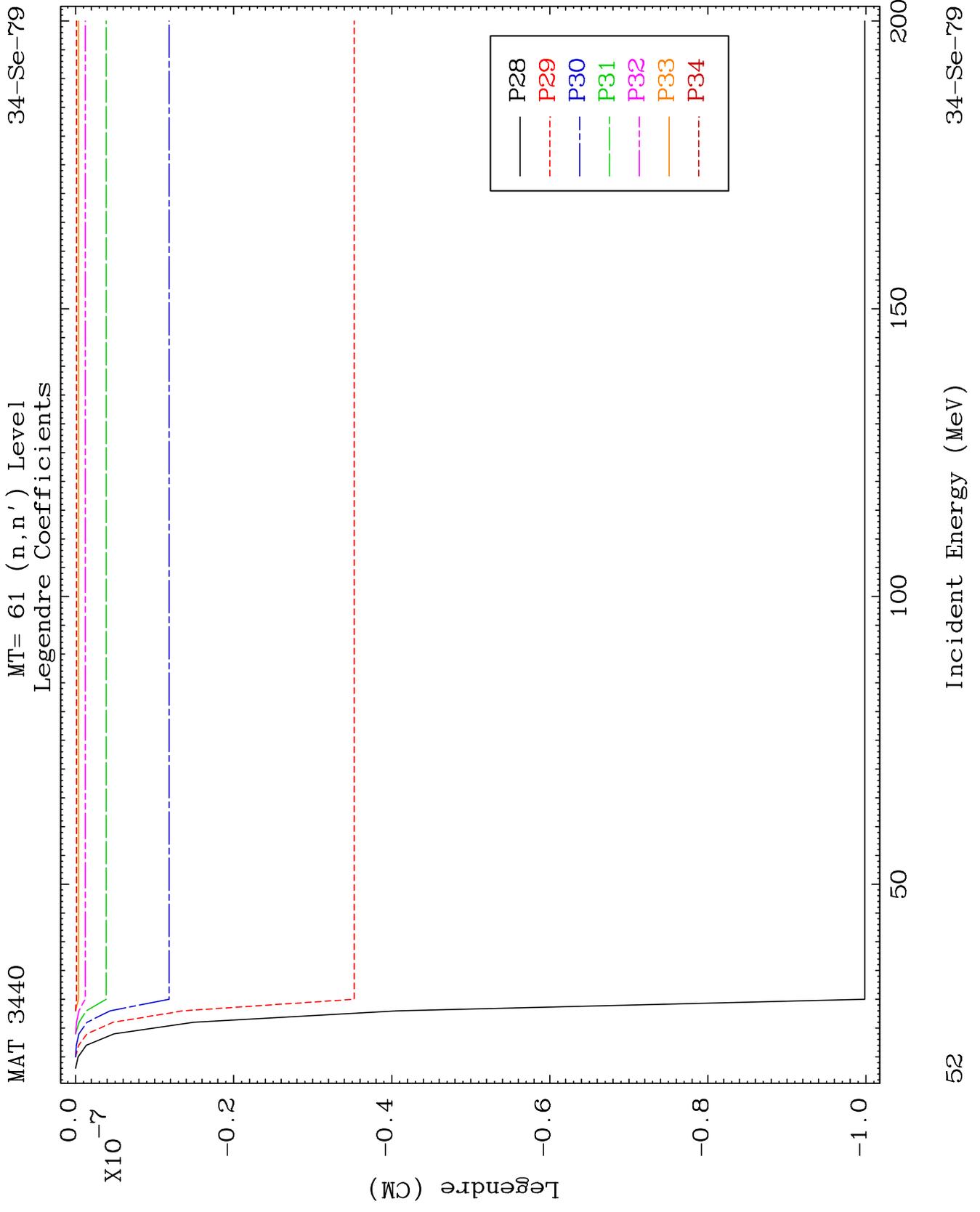
MAT 3440

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

34-Se-79



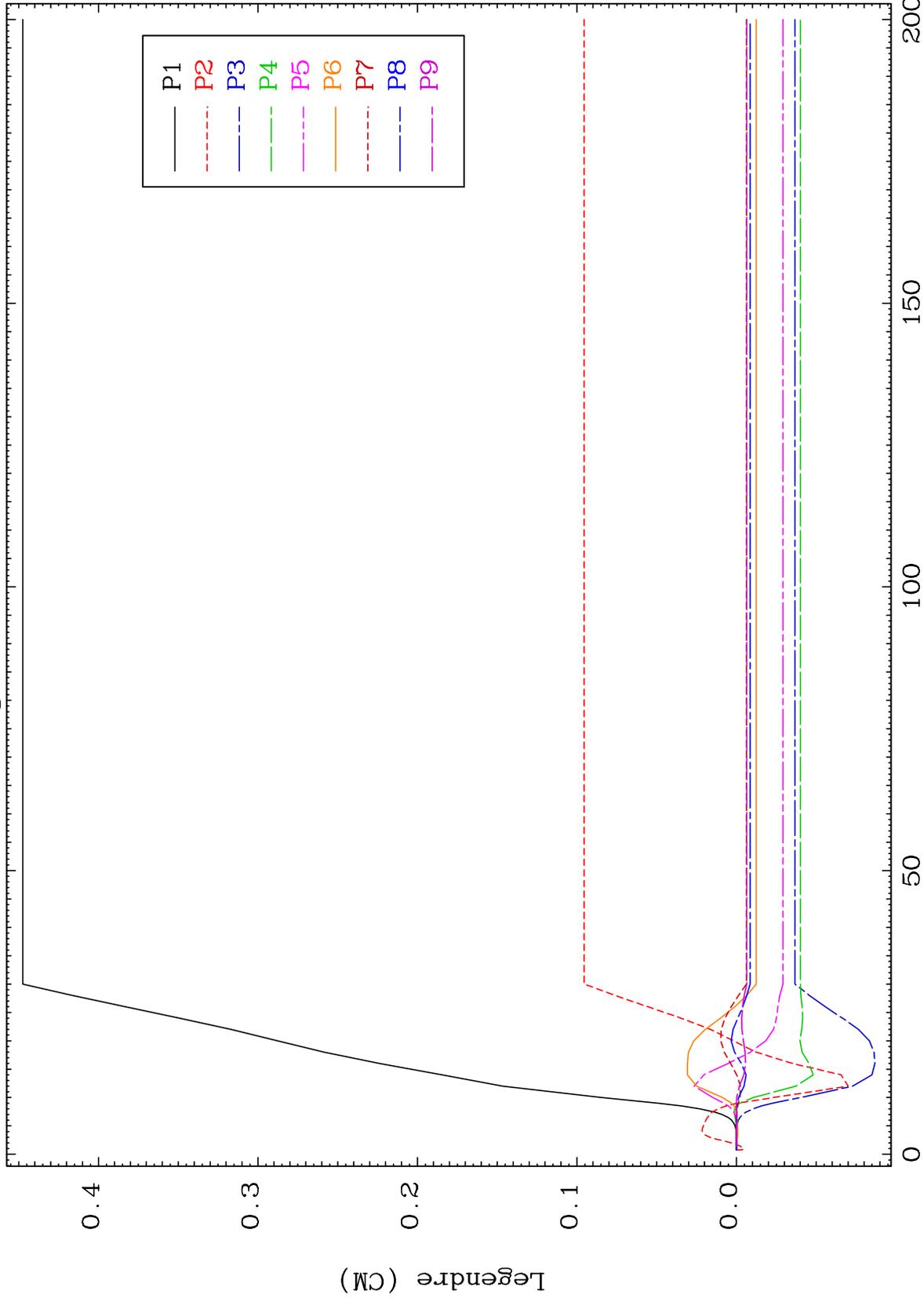




MAT 3440

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

³⁴Se-79



53

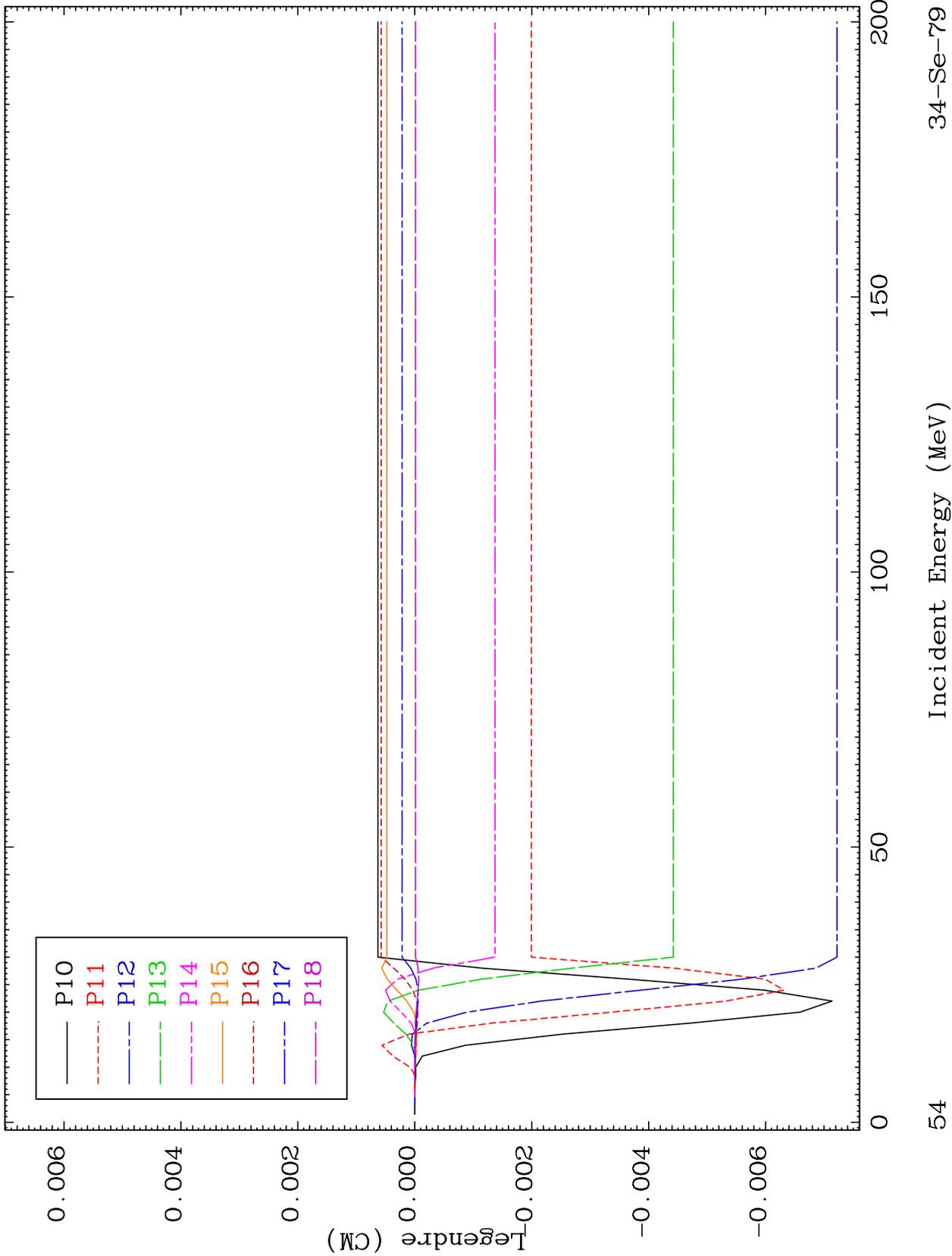
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

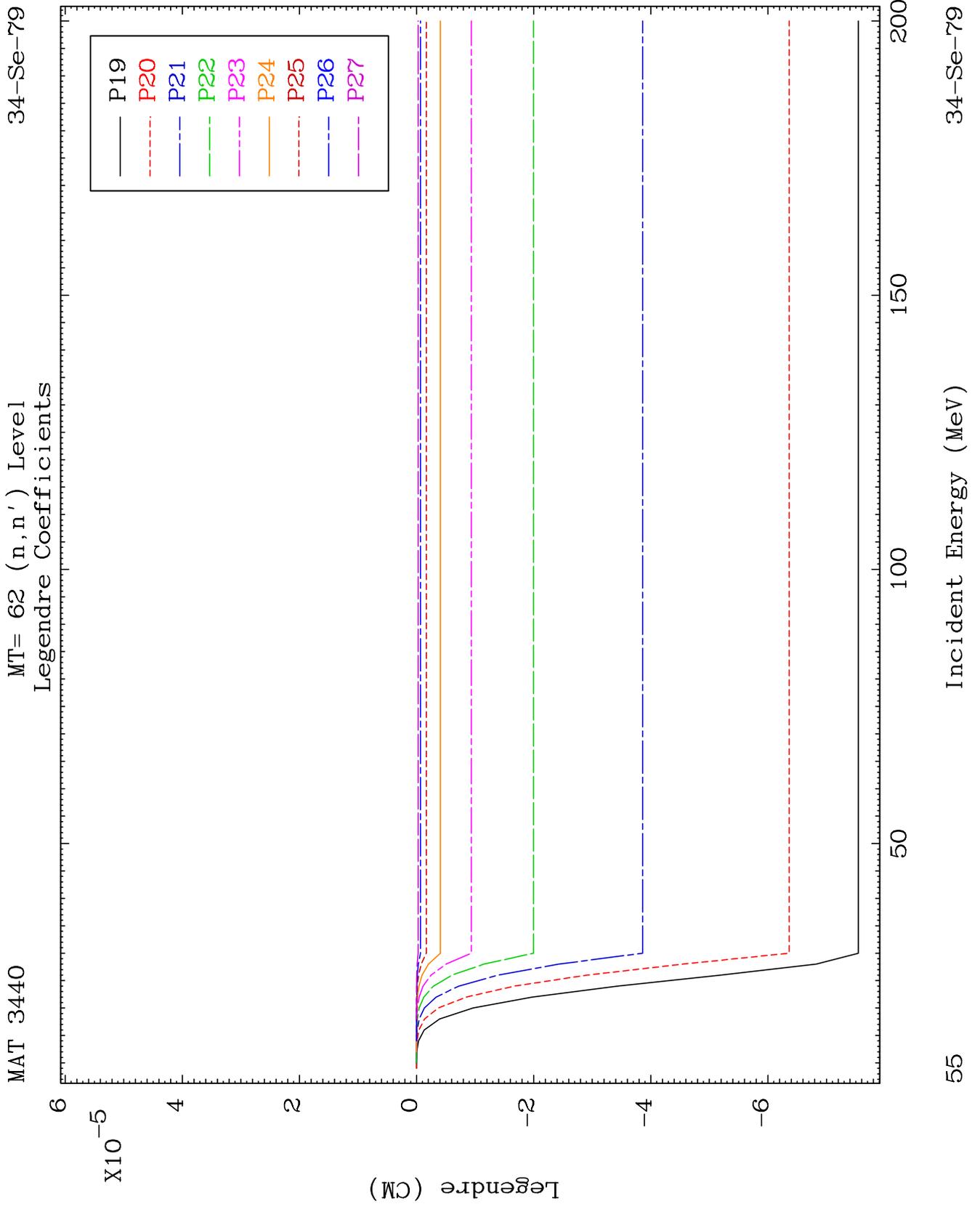
34-Se-79



54

Incident Energy (MeV)

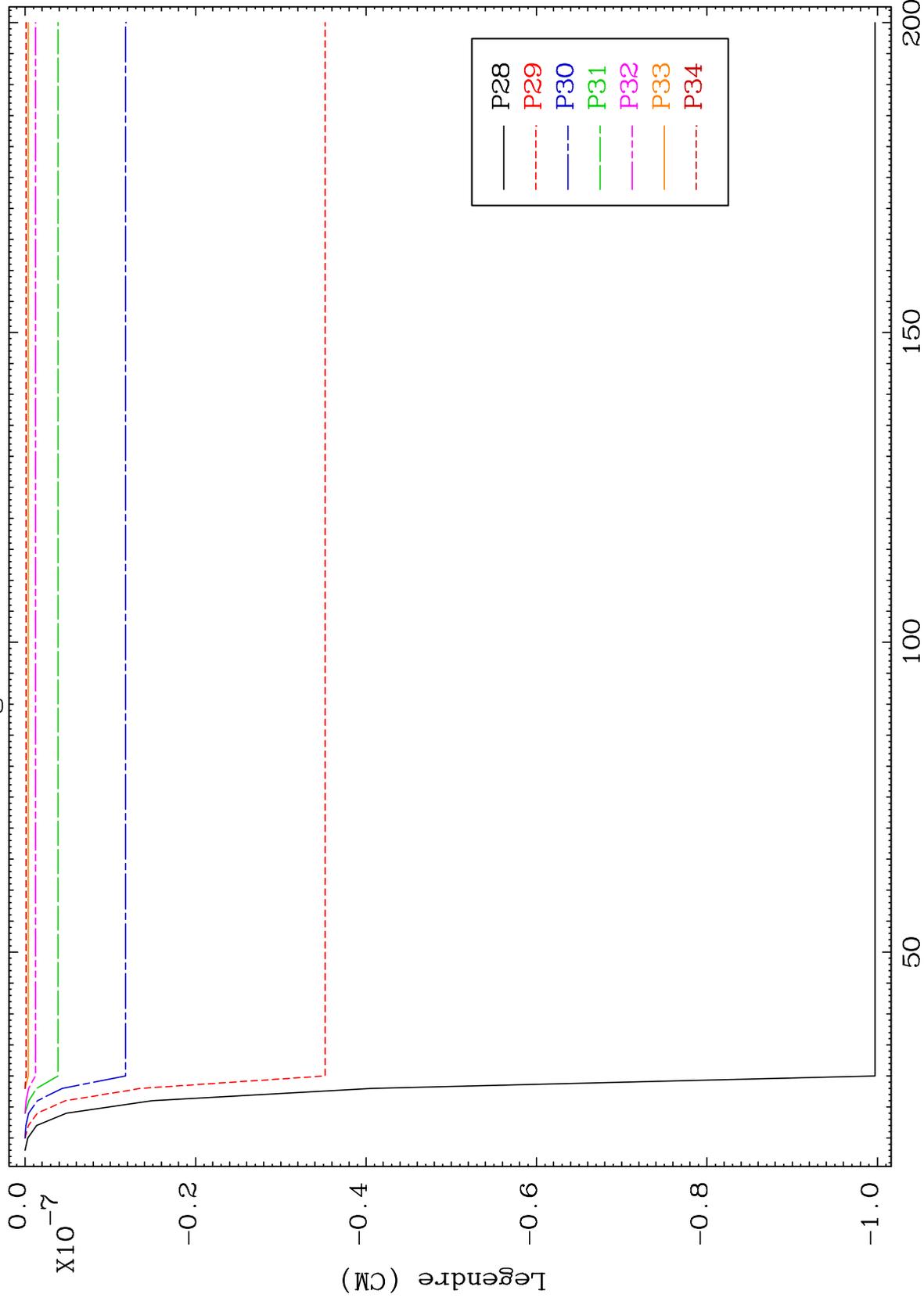
34-Se-79



MAT 3440

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

34-Se-79



56

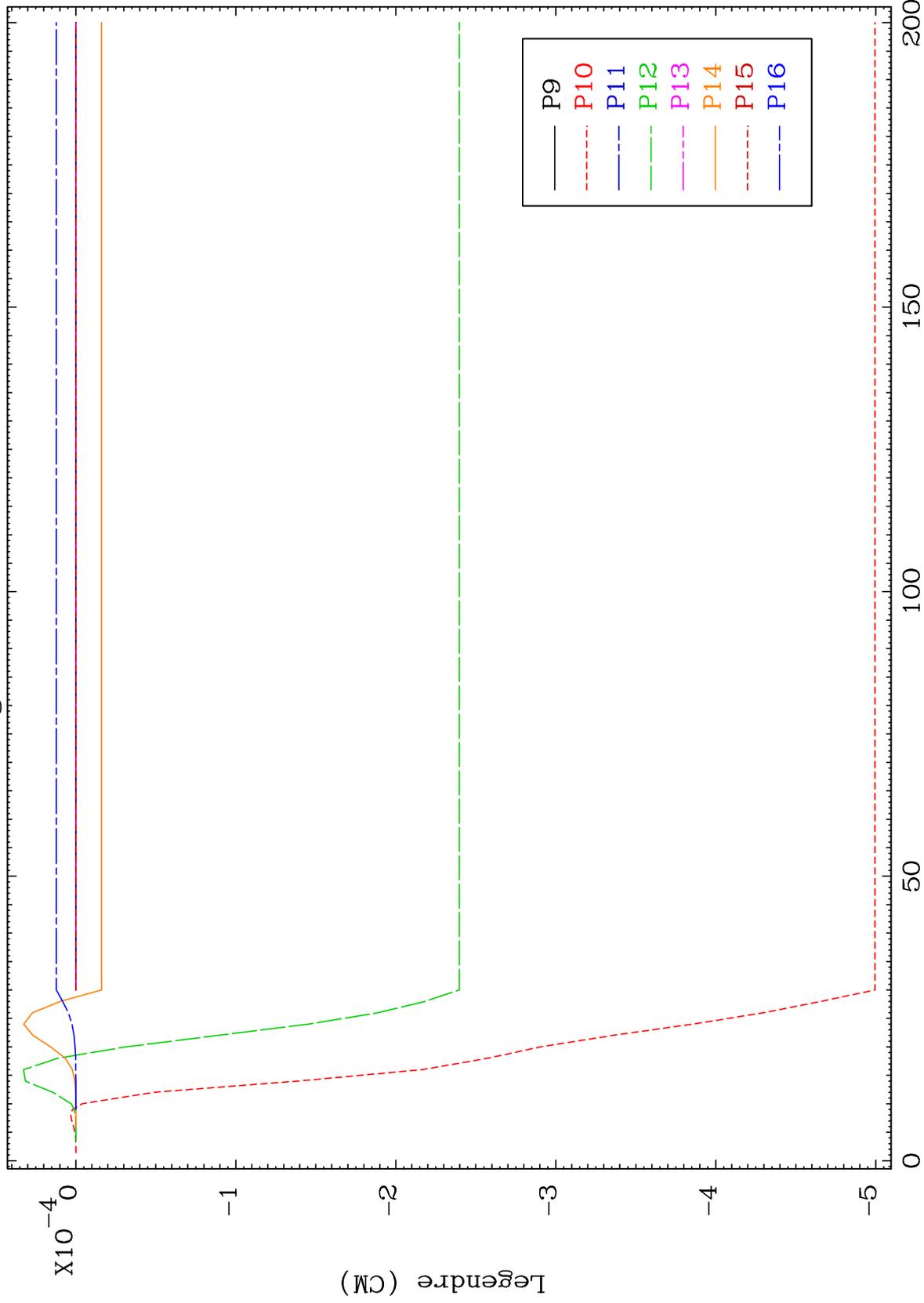
Incident Energy (MeV)

34-Se-79

MAT 3440

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

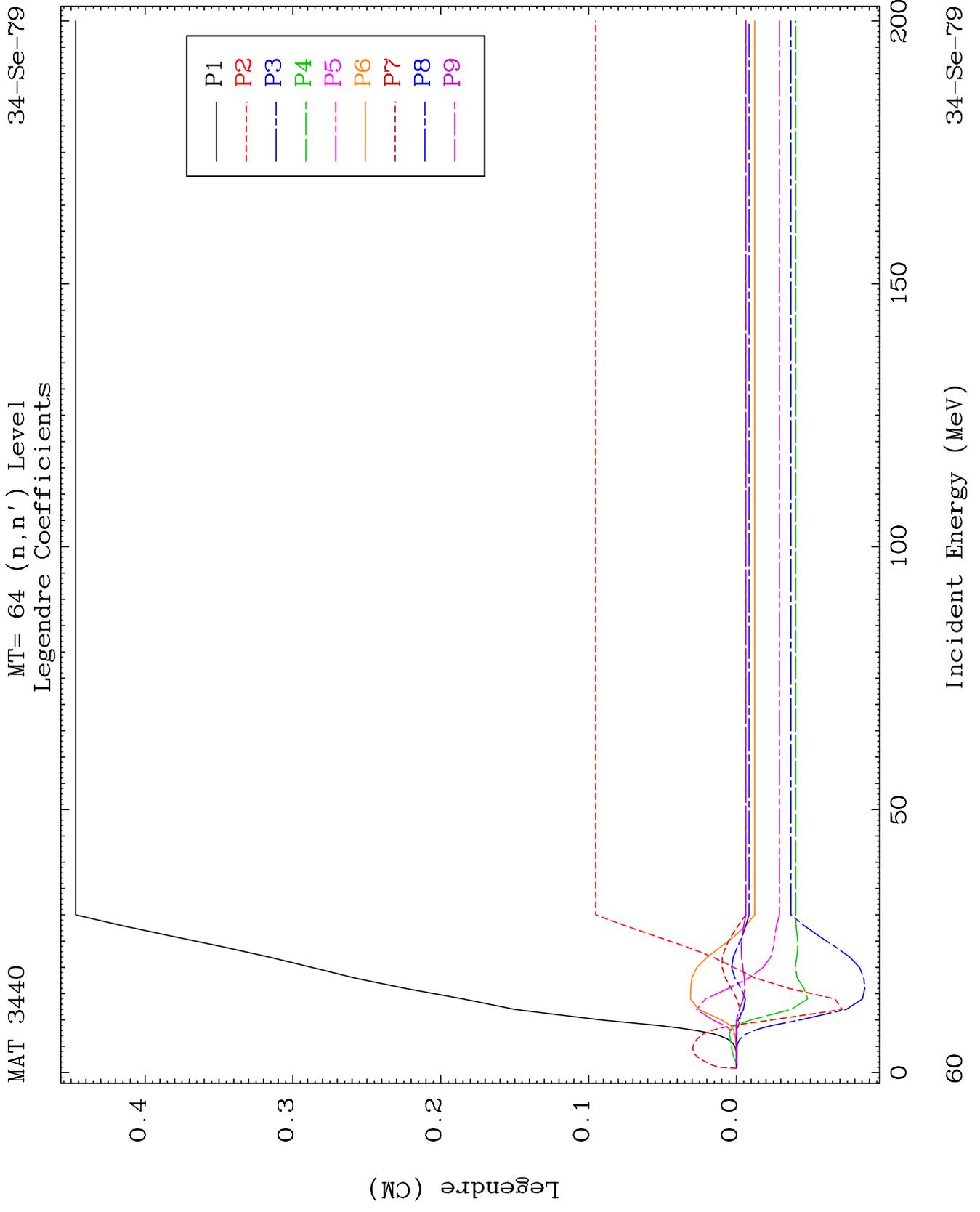
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58

Incident Energy (MeV)

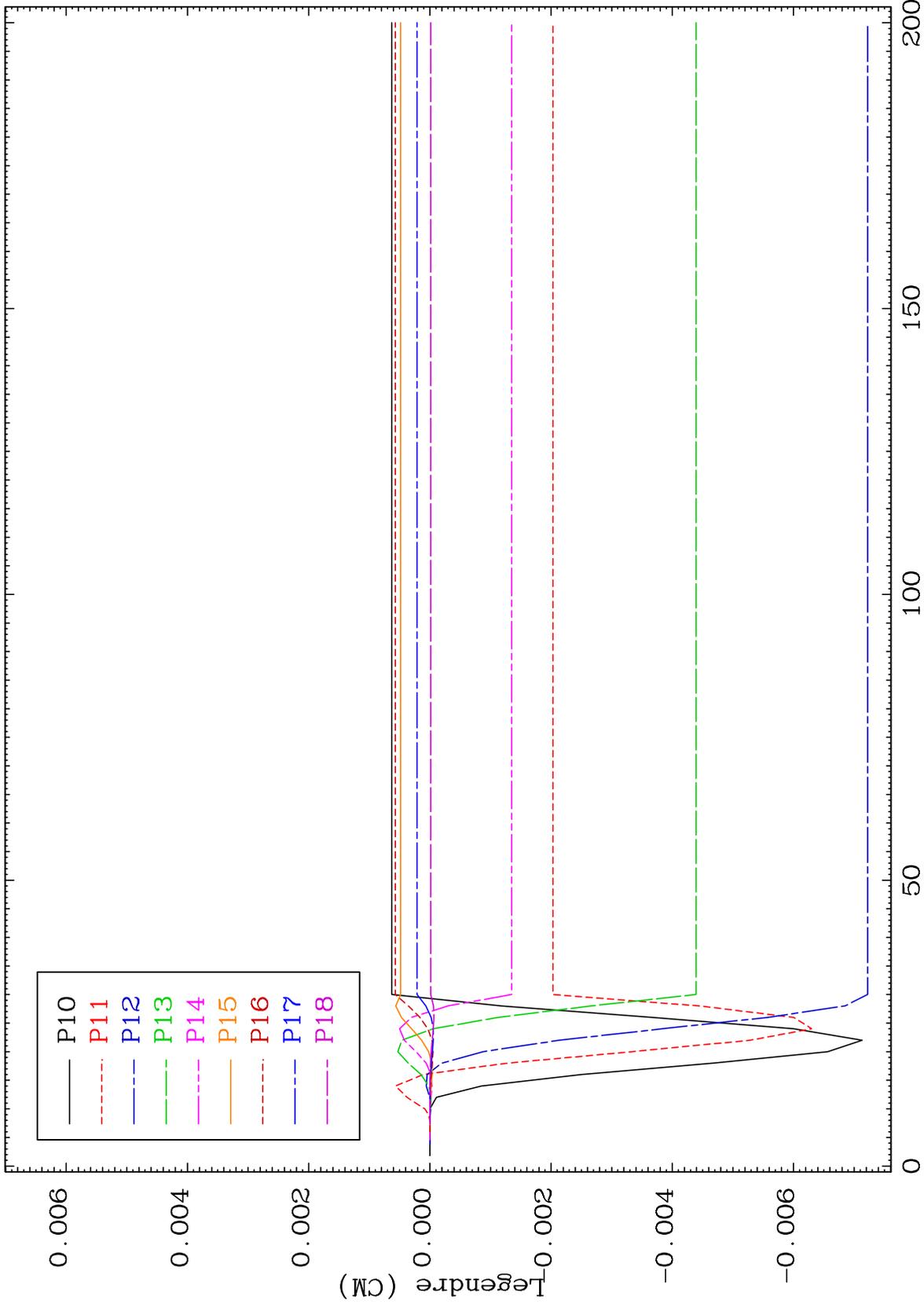
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MAT 3440

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

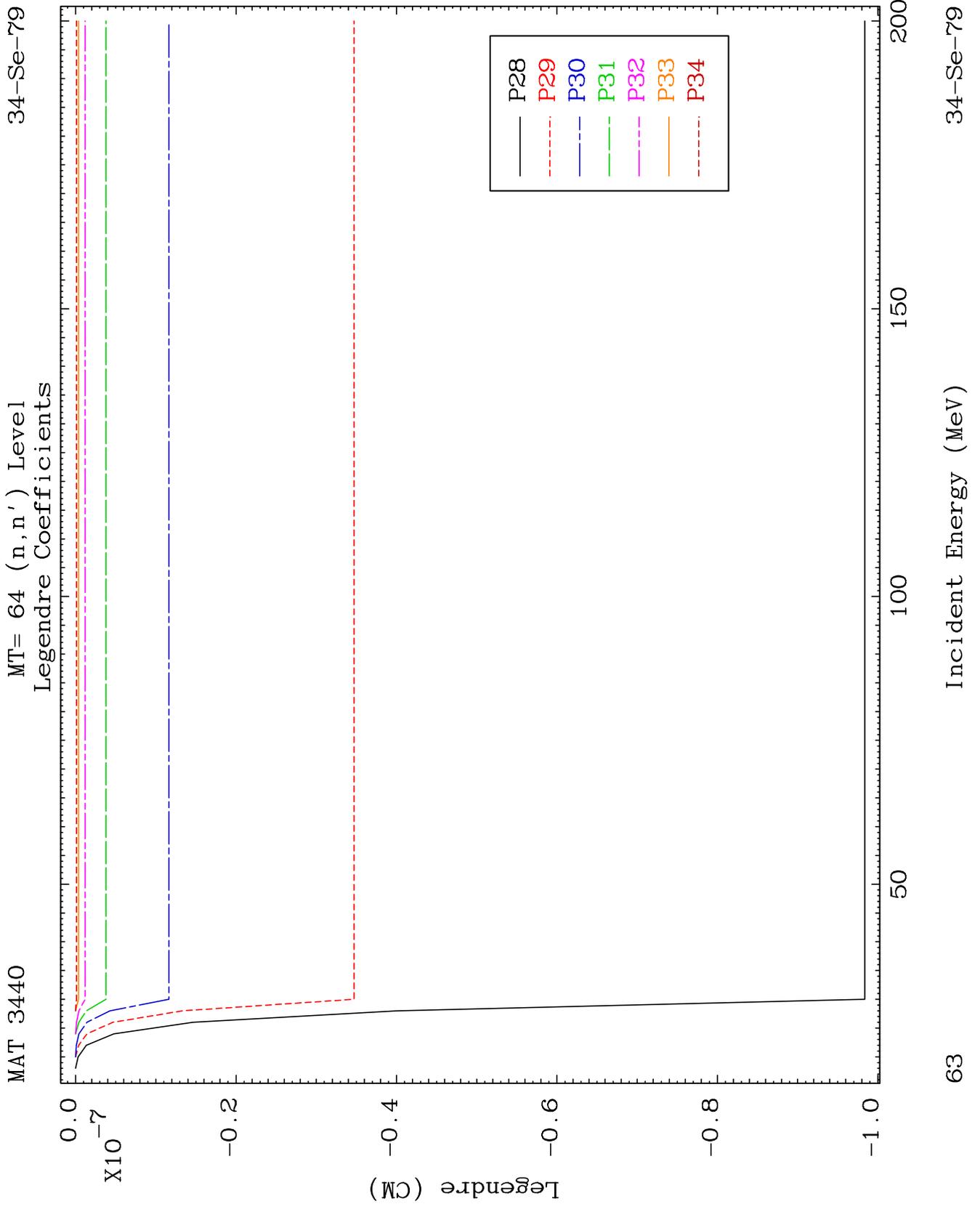
34-Se-79



61

Incident Energy (MeV)

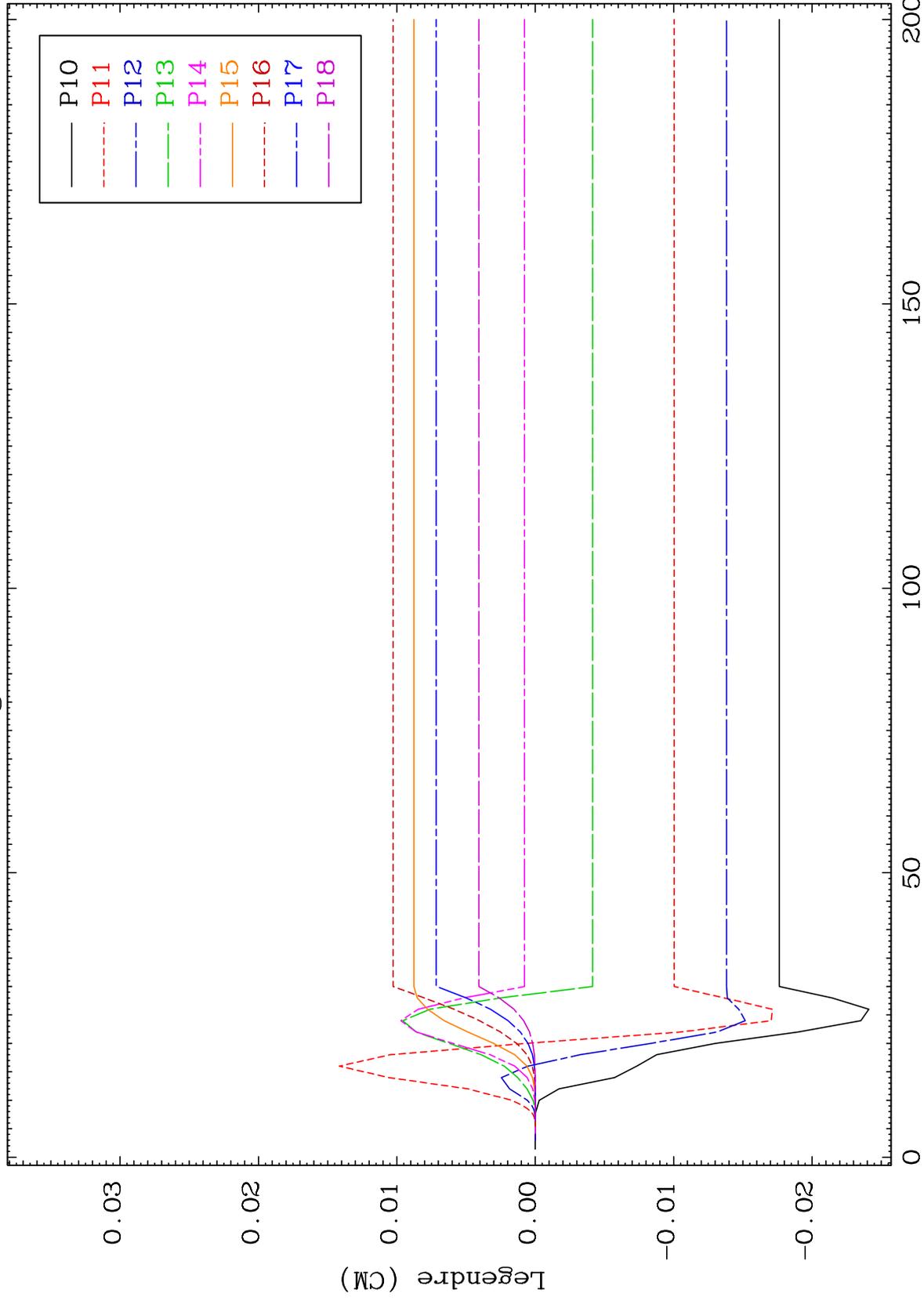
34-Se-79



MAT 3440

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

³⁴Se-79



65

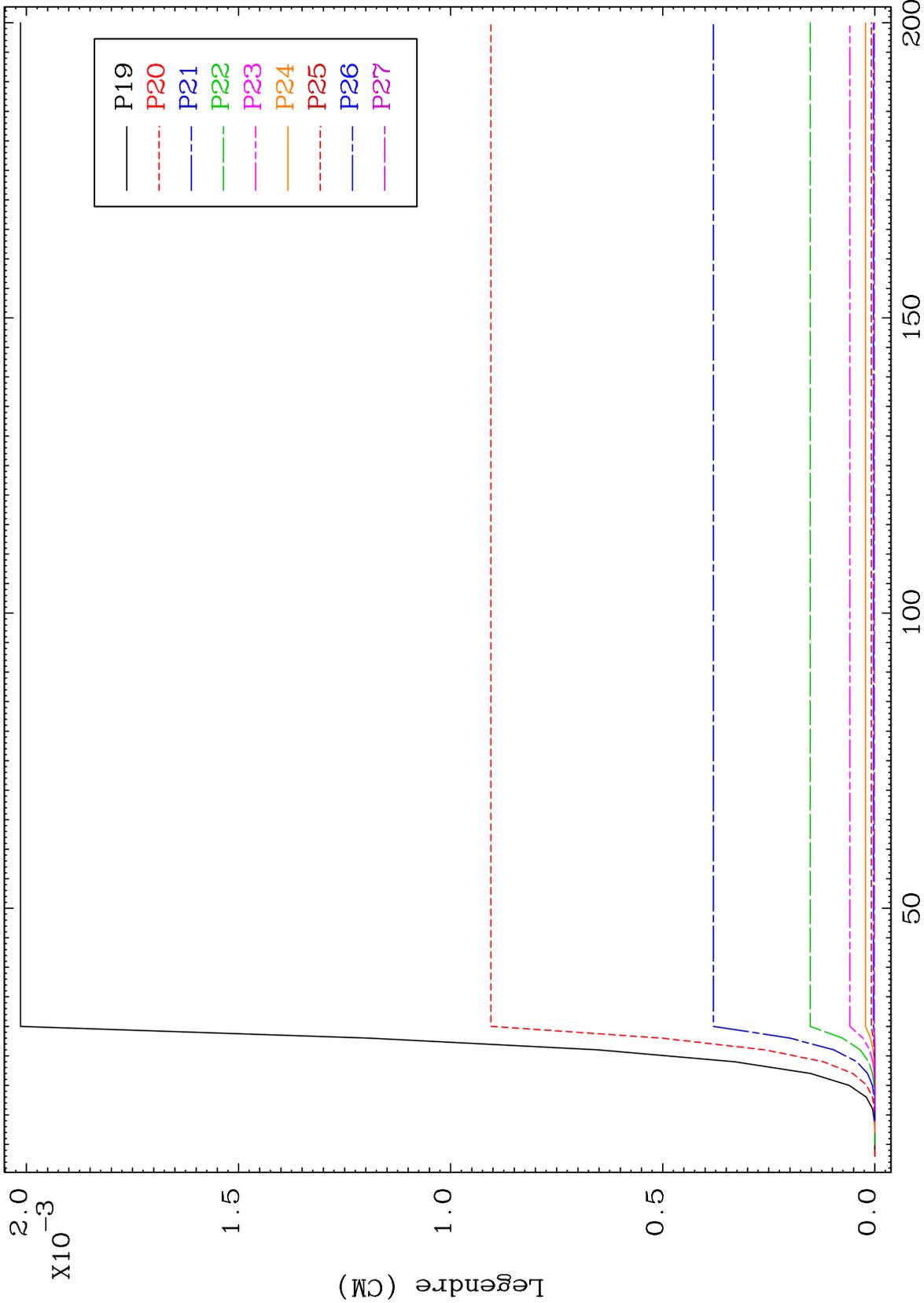
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

³⁴Se-79



66

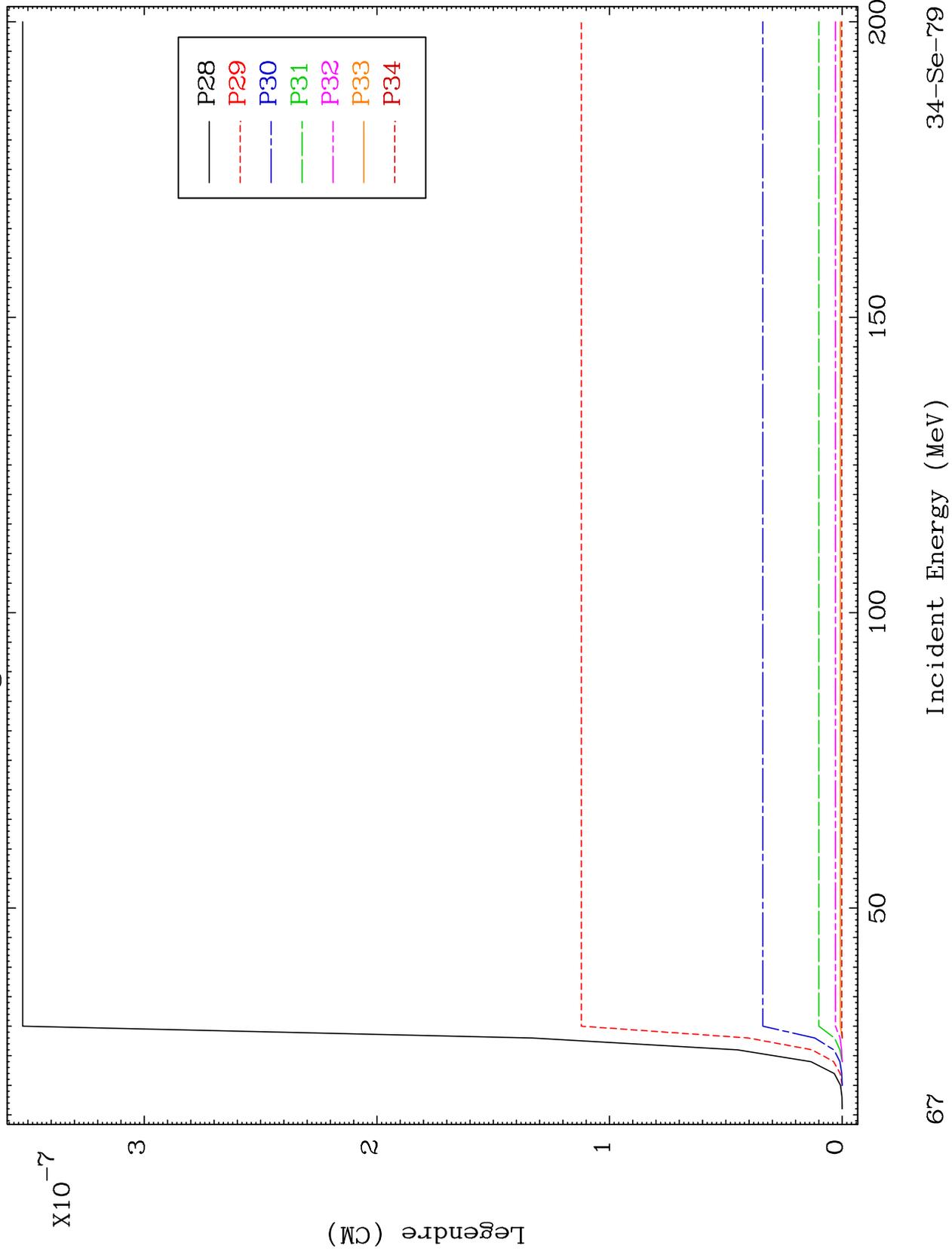
Incident Energy (MeV)

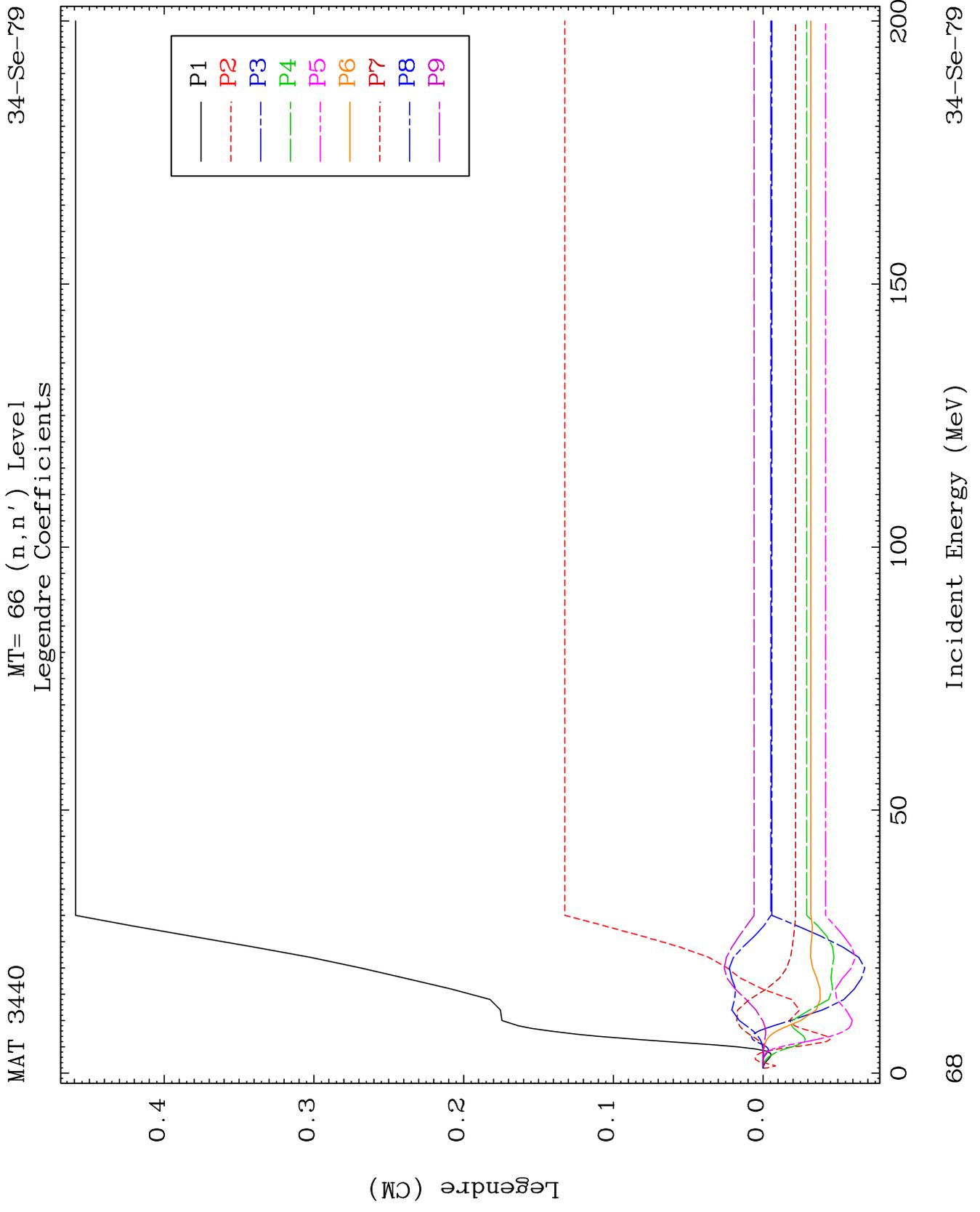
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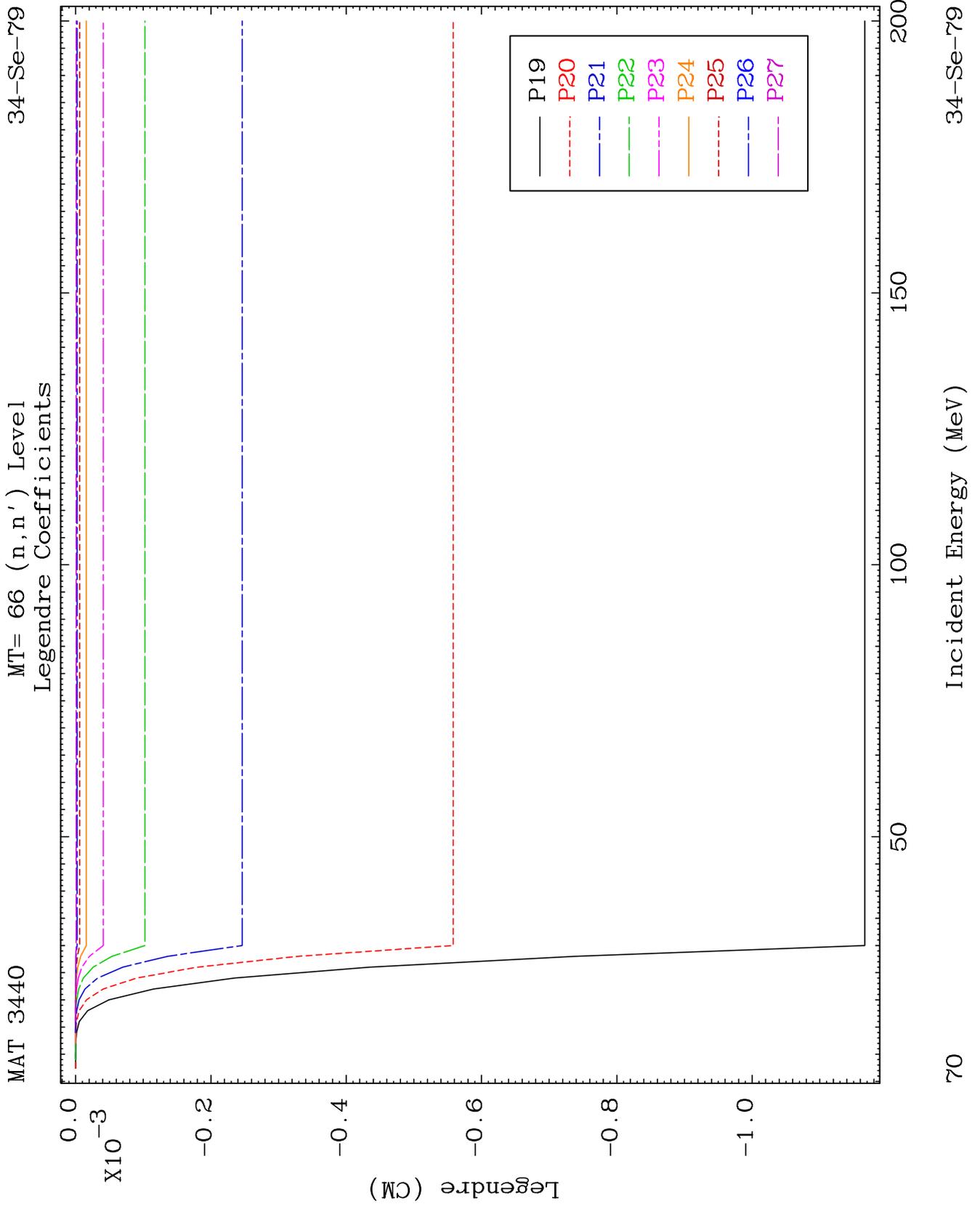
MAT 3440

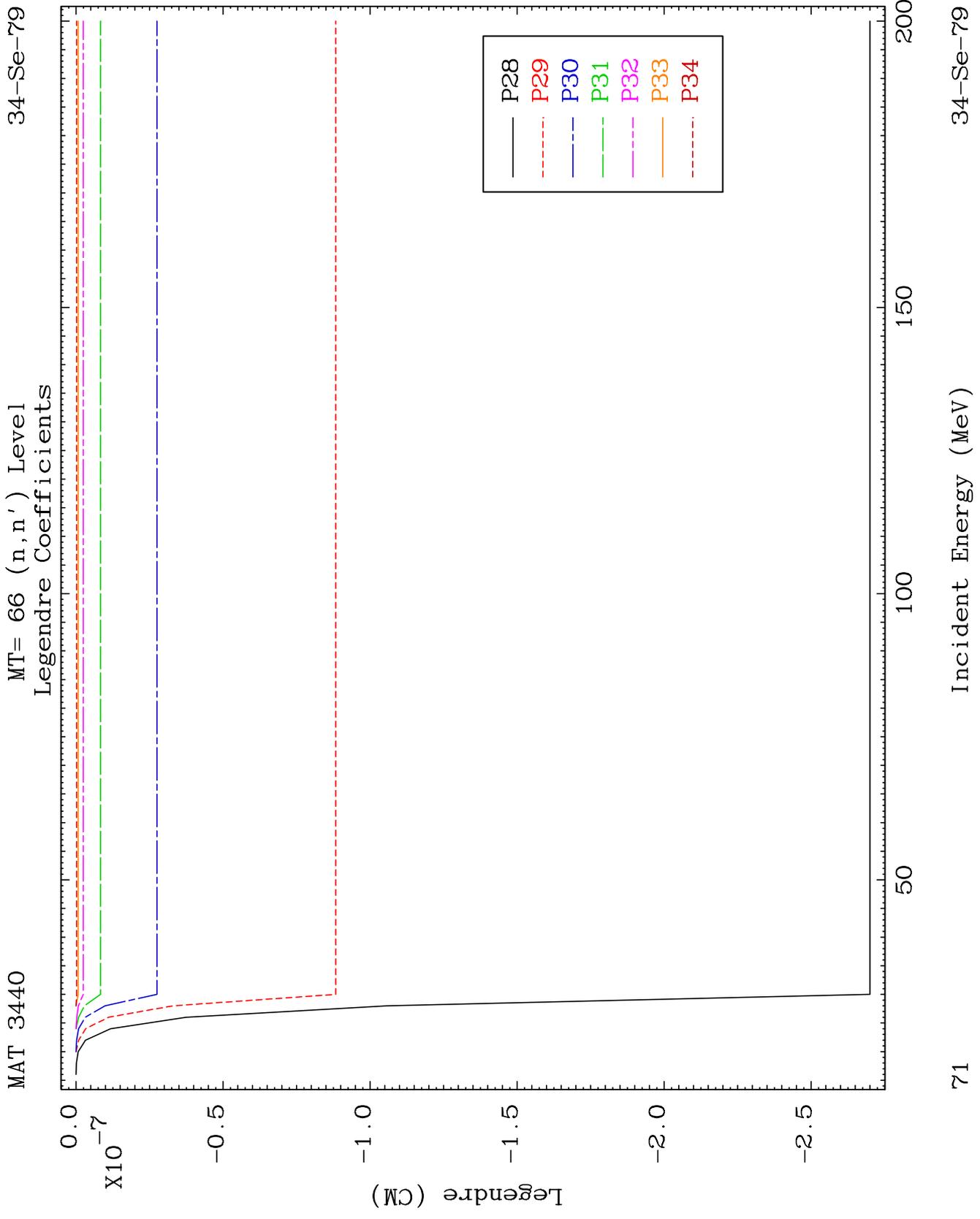
MT= 65 (n,n') Level
Legendre Coefficients

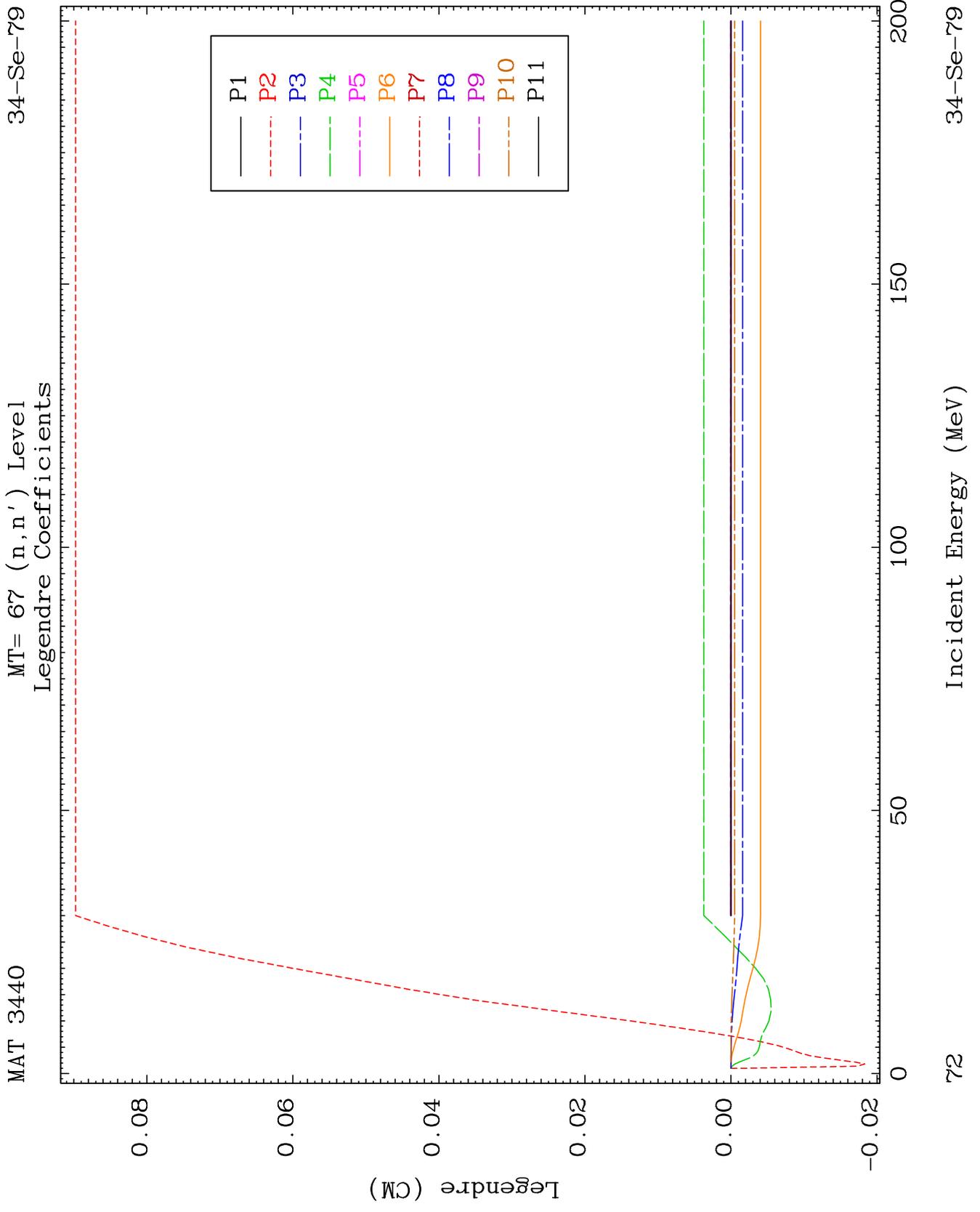
³⁴Se-79







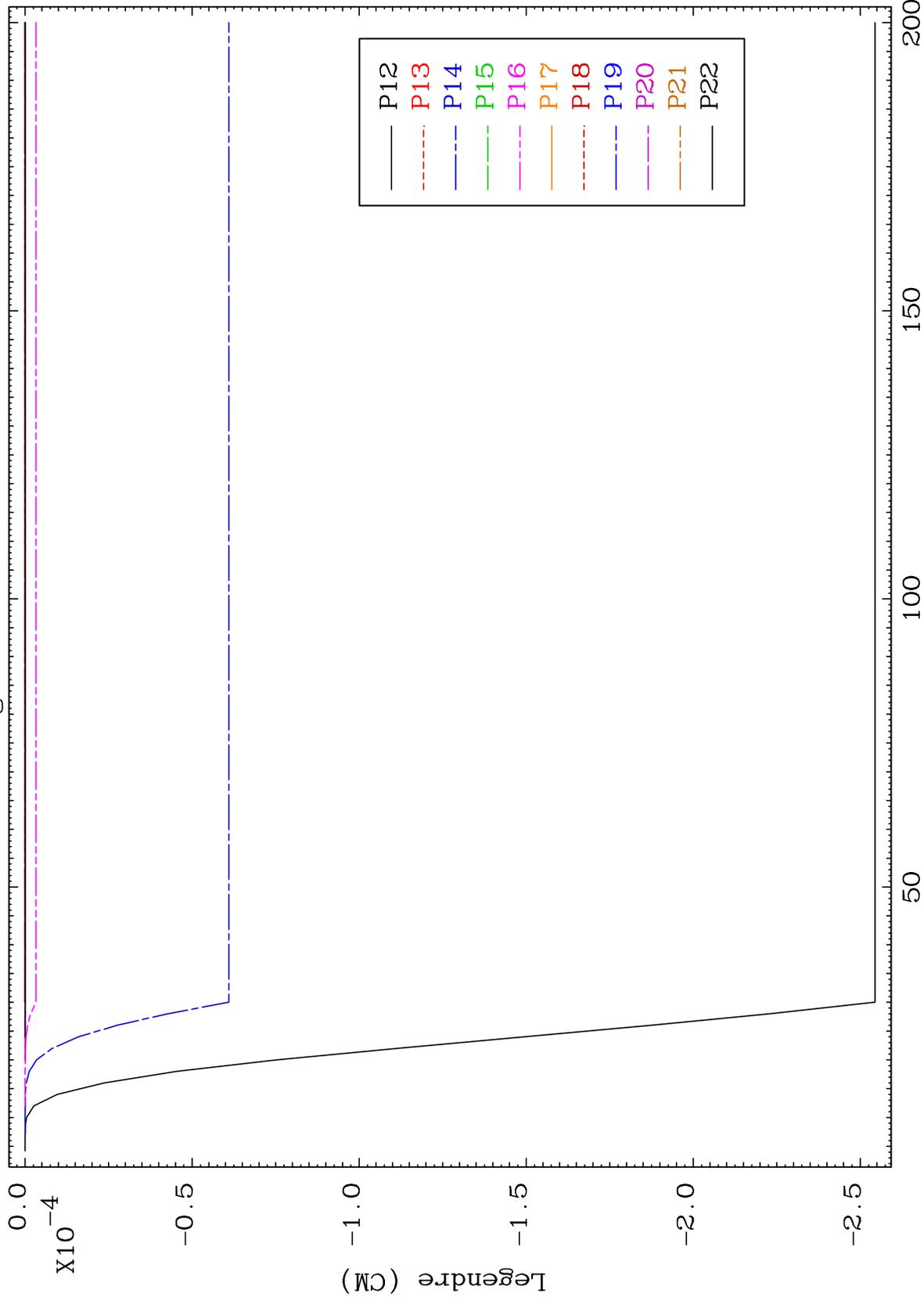




MAT 3440

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

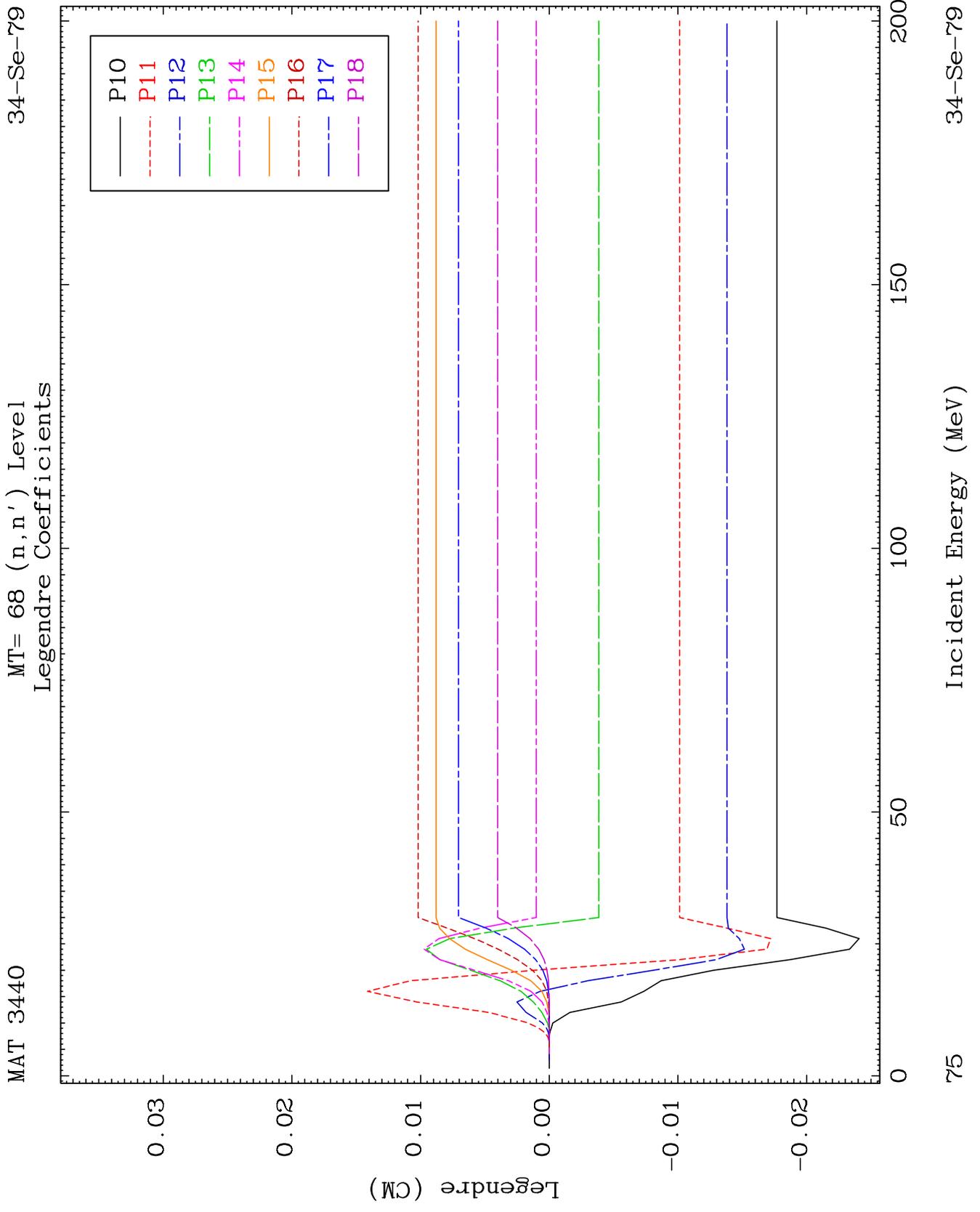
34-Se-79

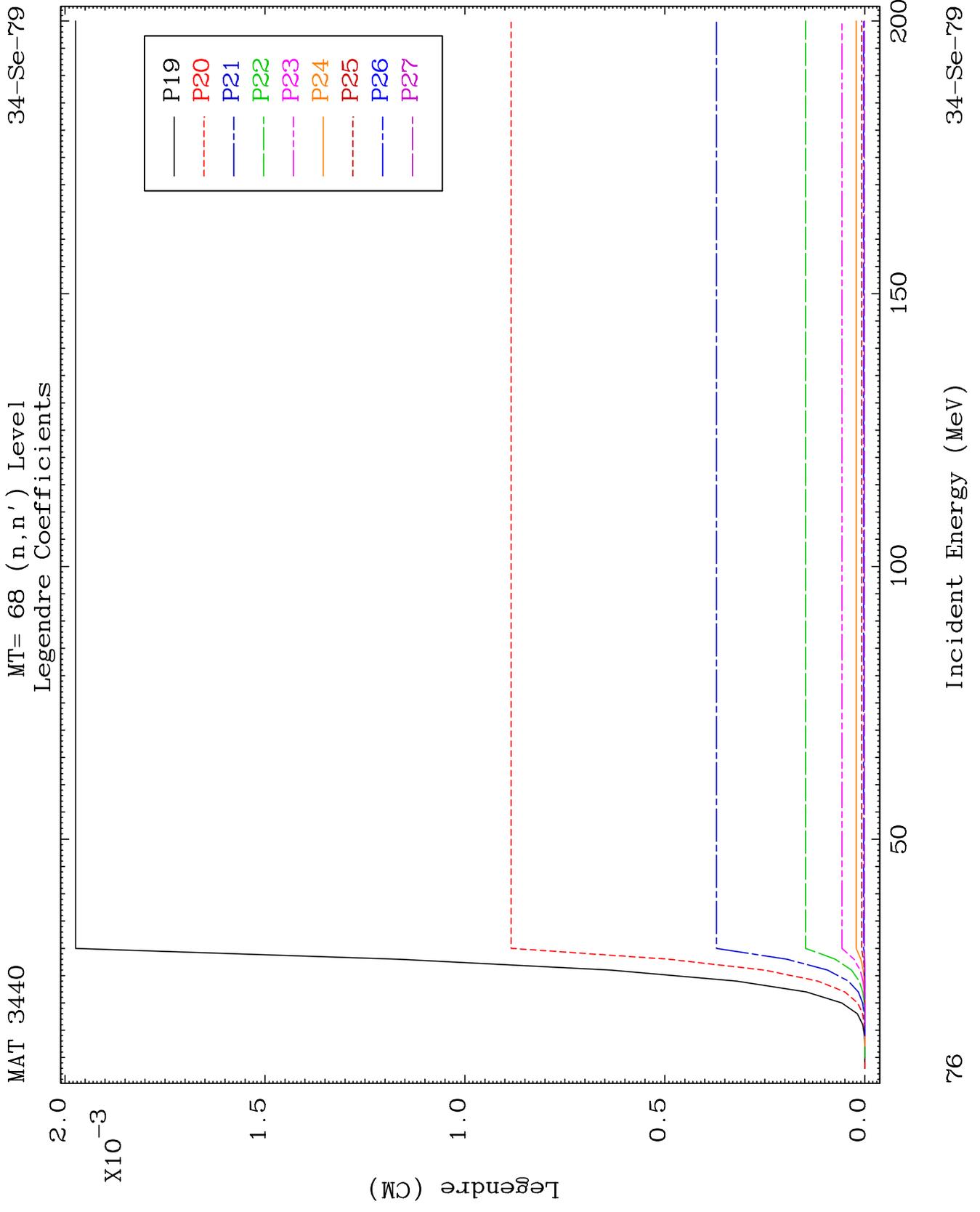


73

Incident Energy (MeV)

34-Se-79

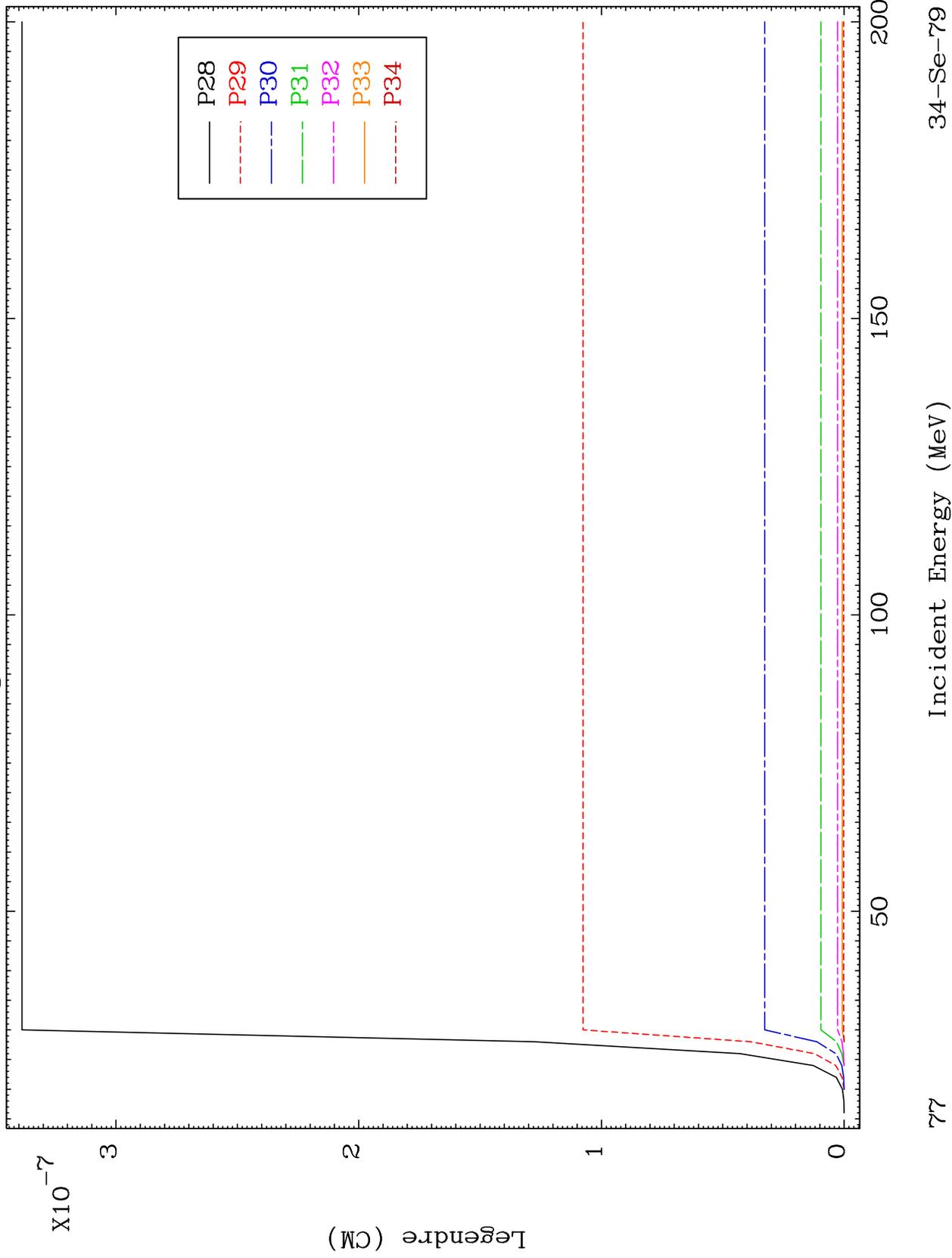


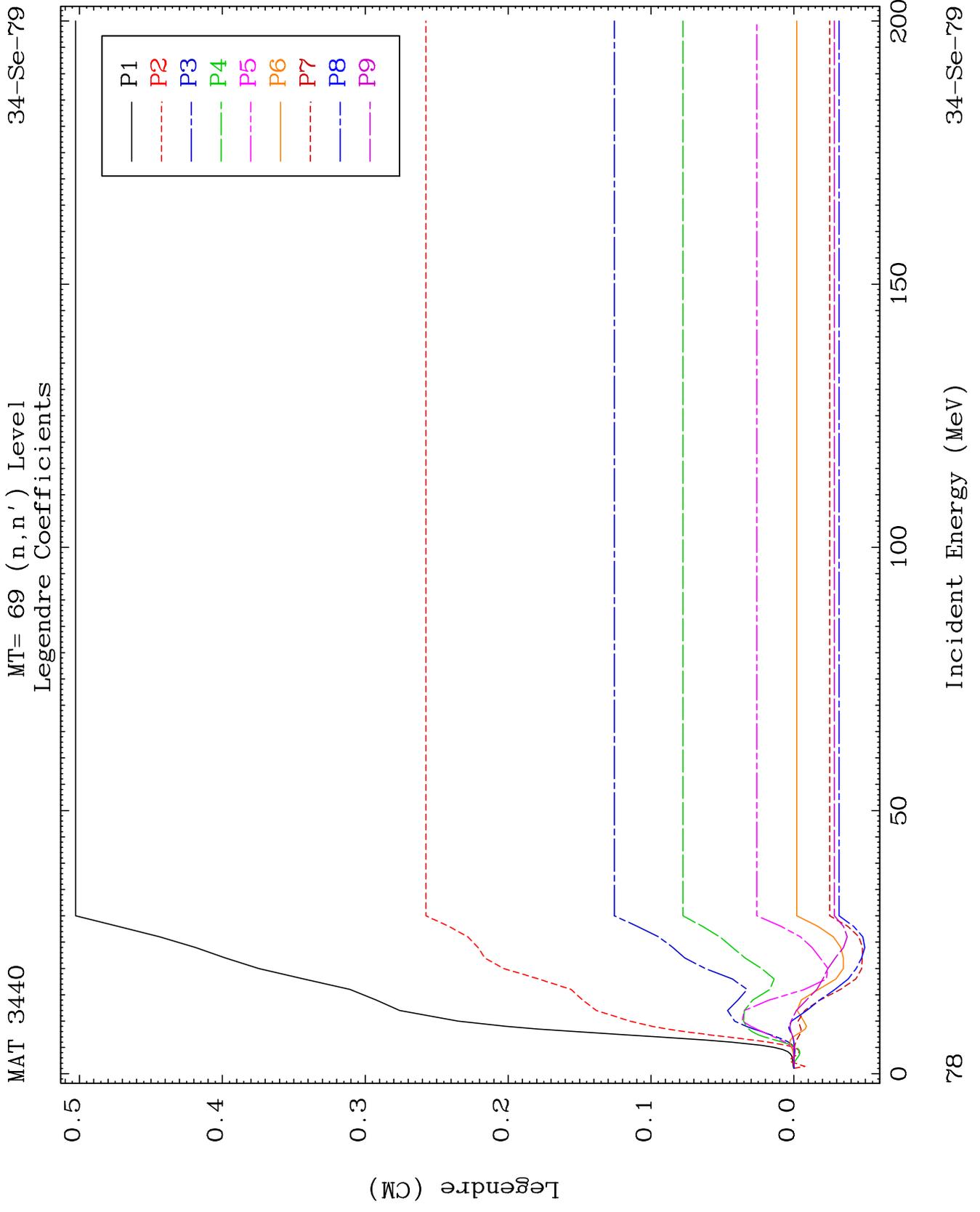


MAT 3440

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

³⁴Se-79

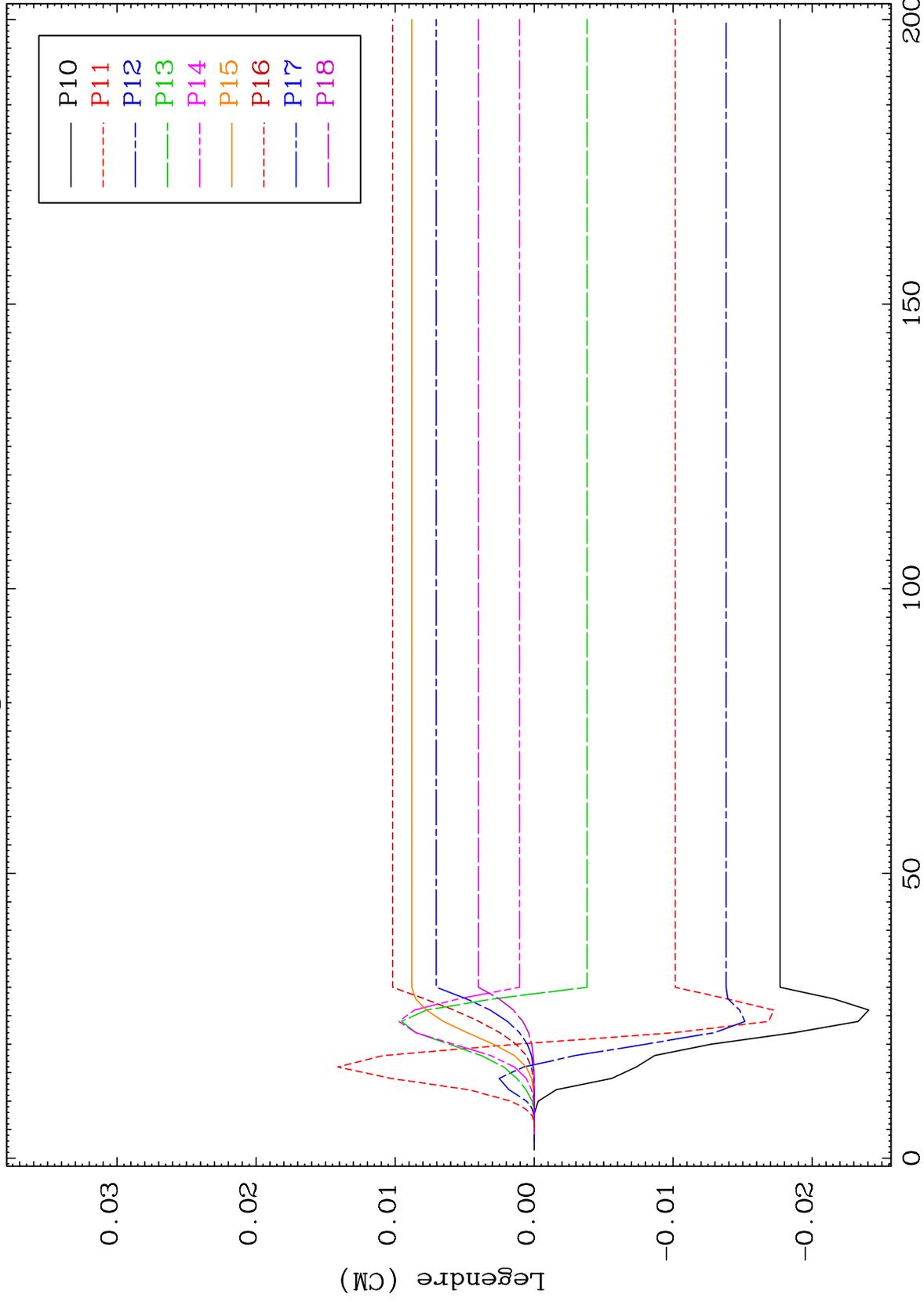




MAT 3440

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

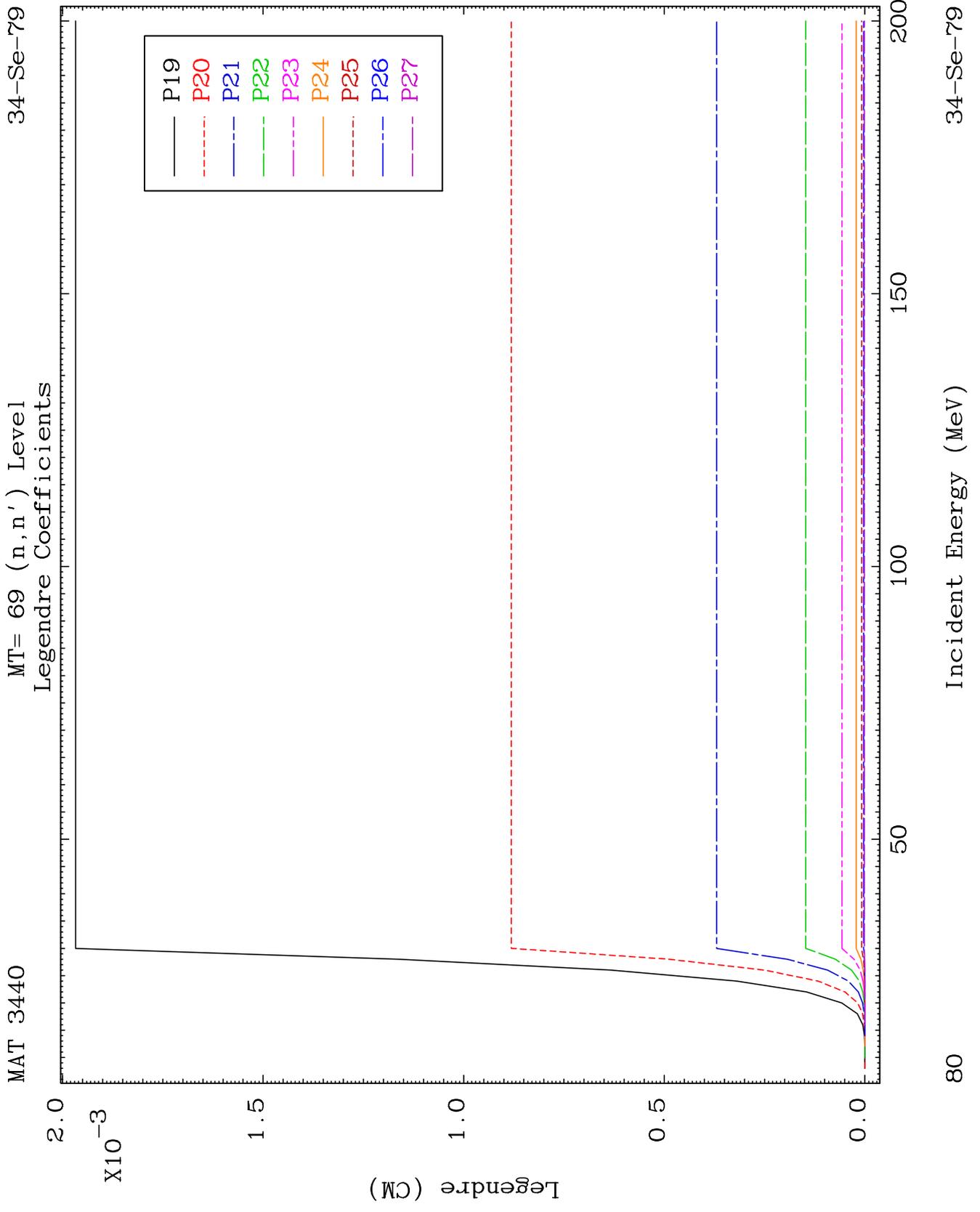
34-Se-79



79

Incident Energy (MeV)

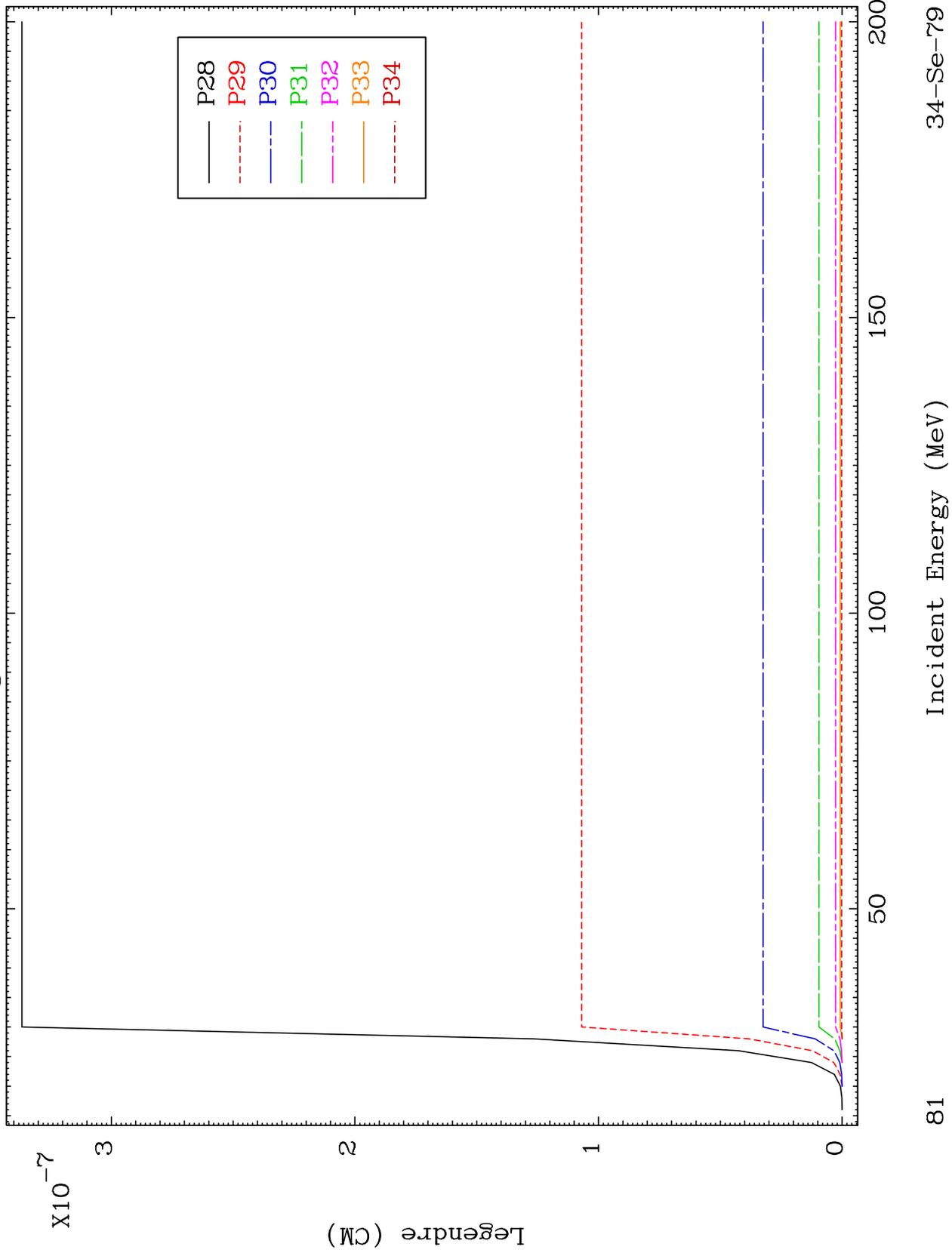
34-Se-79



MAT 3440

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

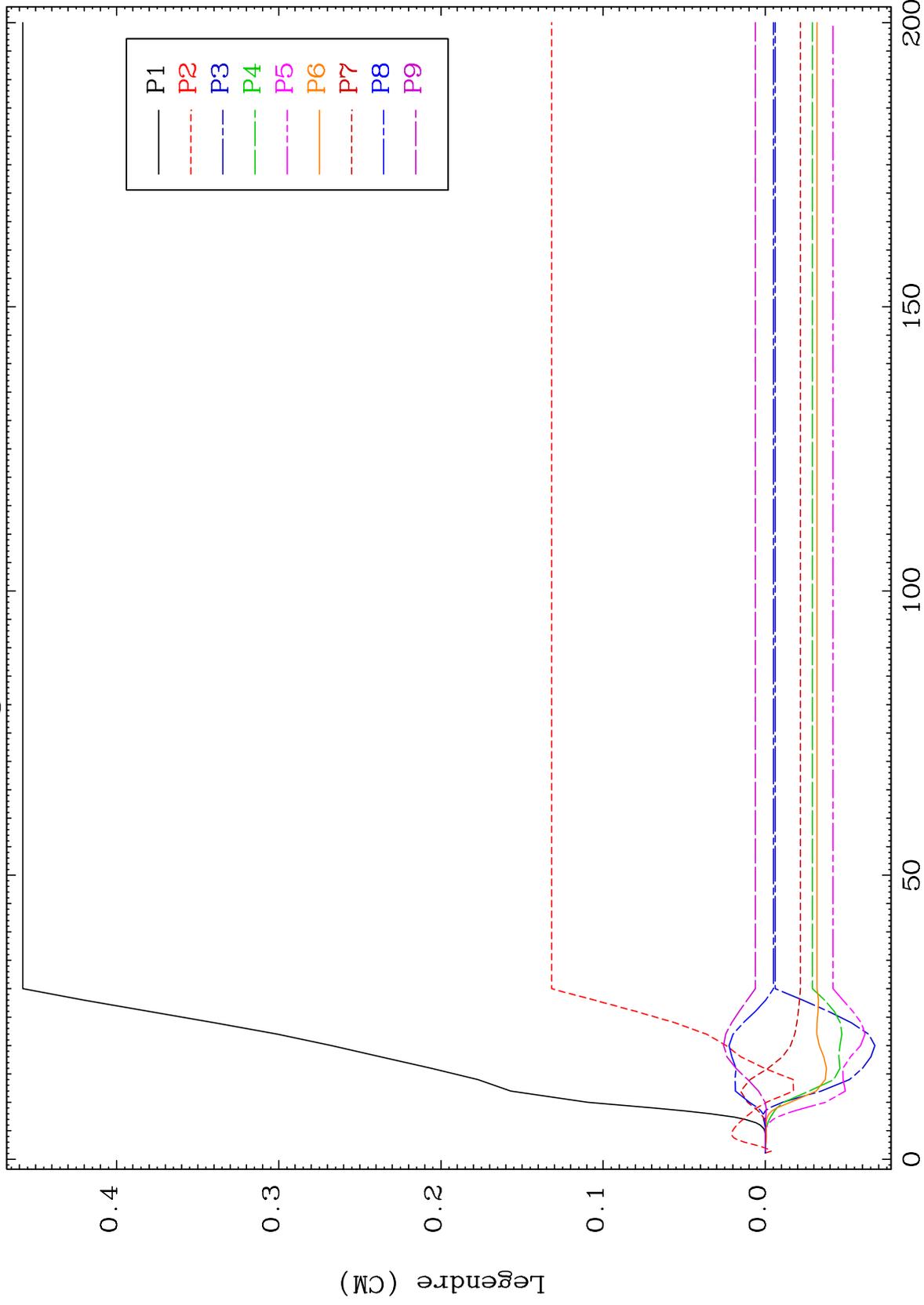
³⁴Se-79



MAT 3440

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

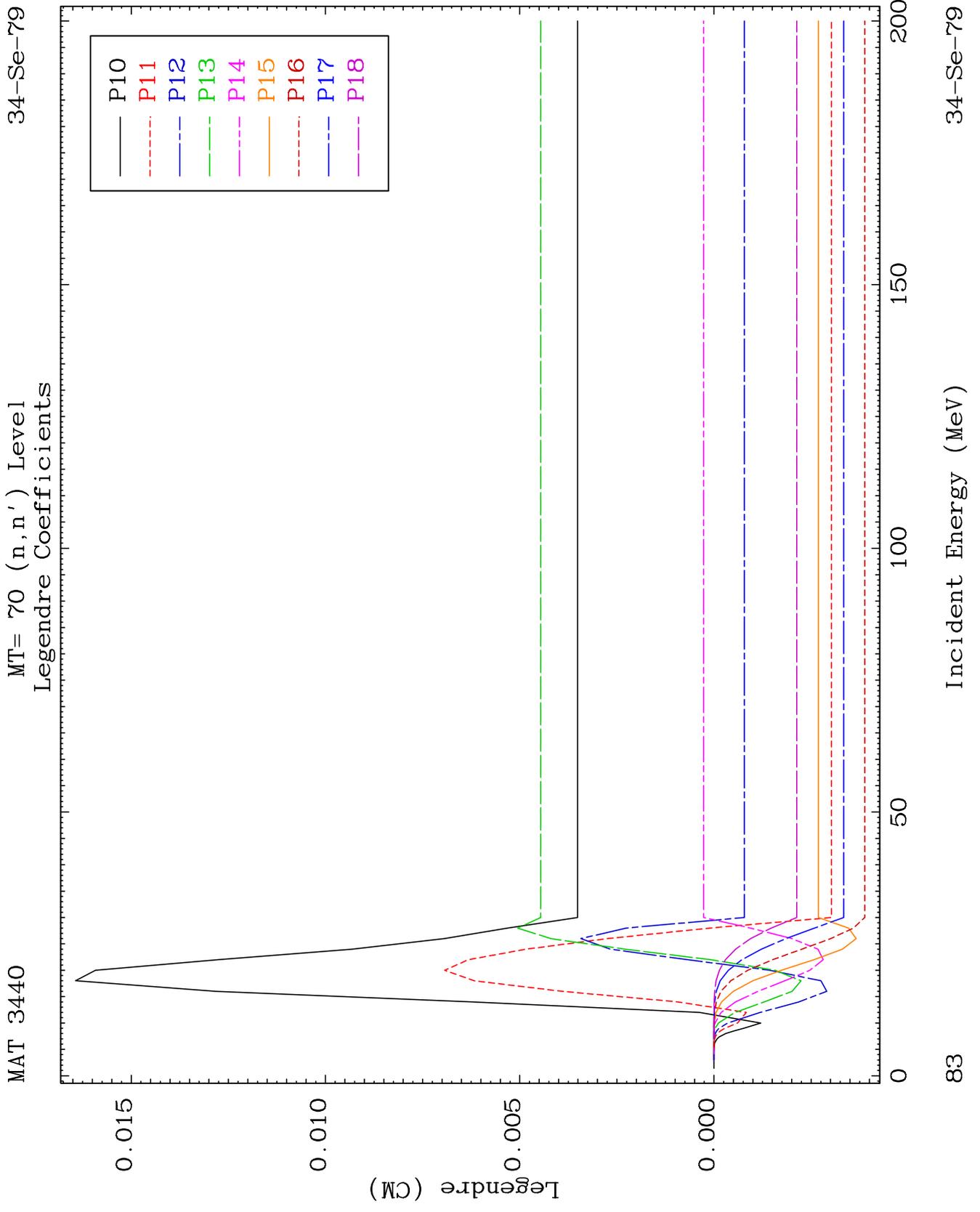
34-Se-79

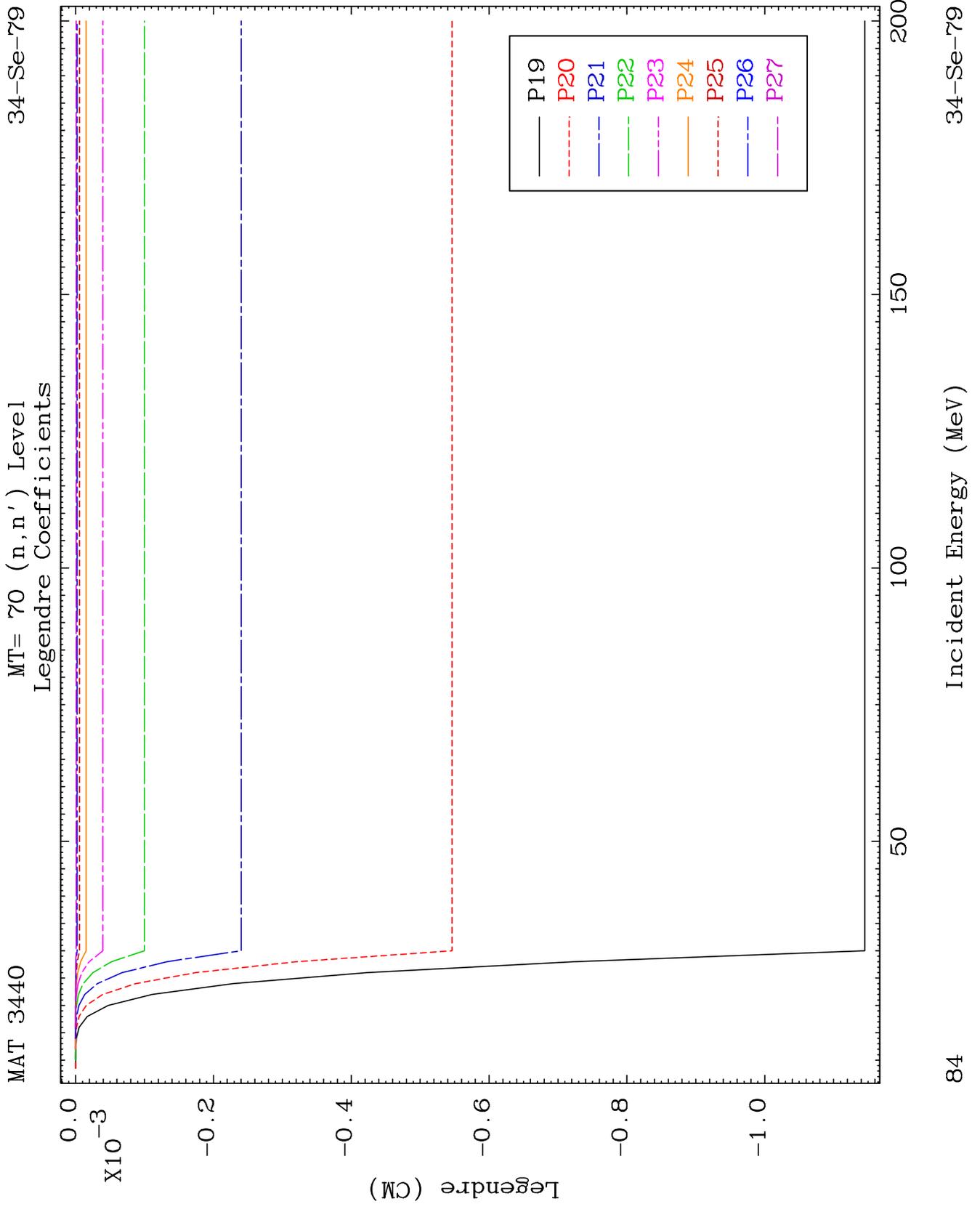


82

Incident Energy (MeV)

34-Se-79

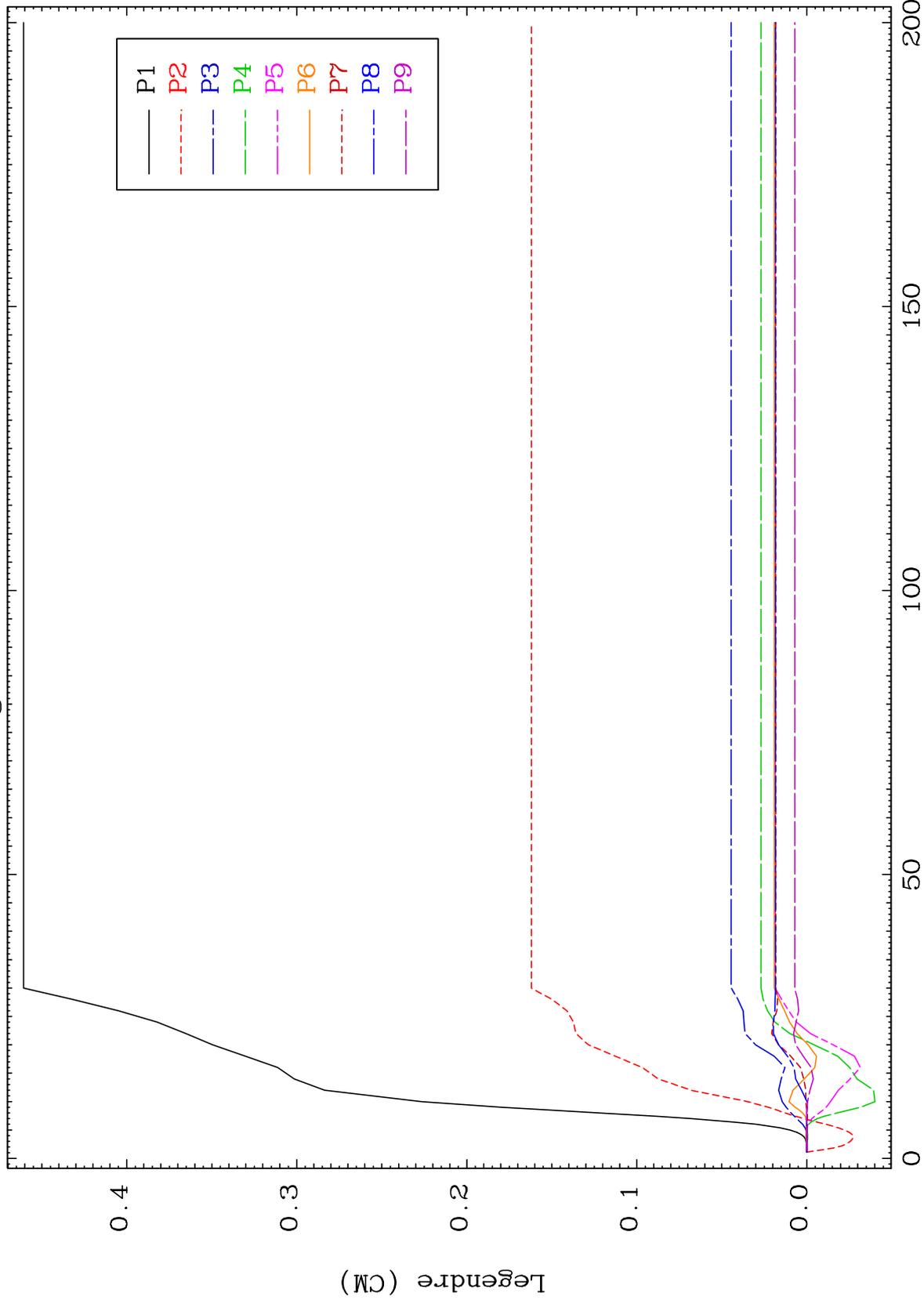




MAT 3440

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

³⁴Se-79



³⁴Se-79

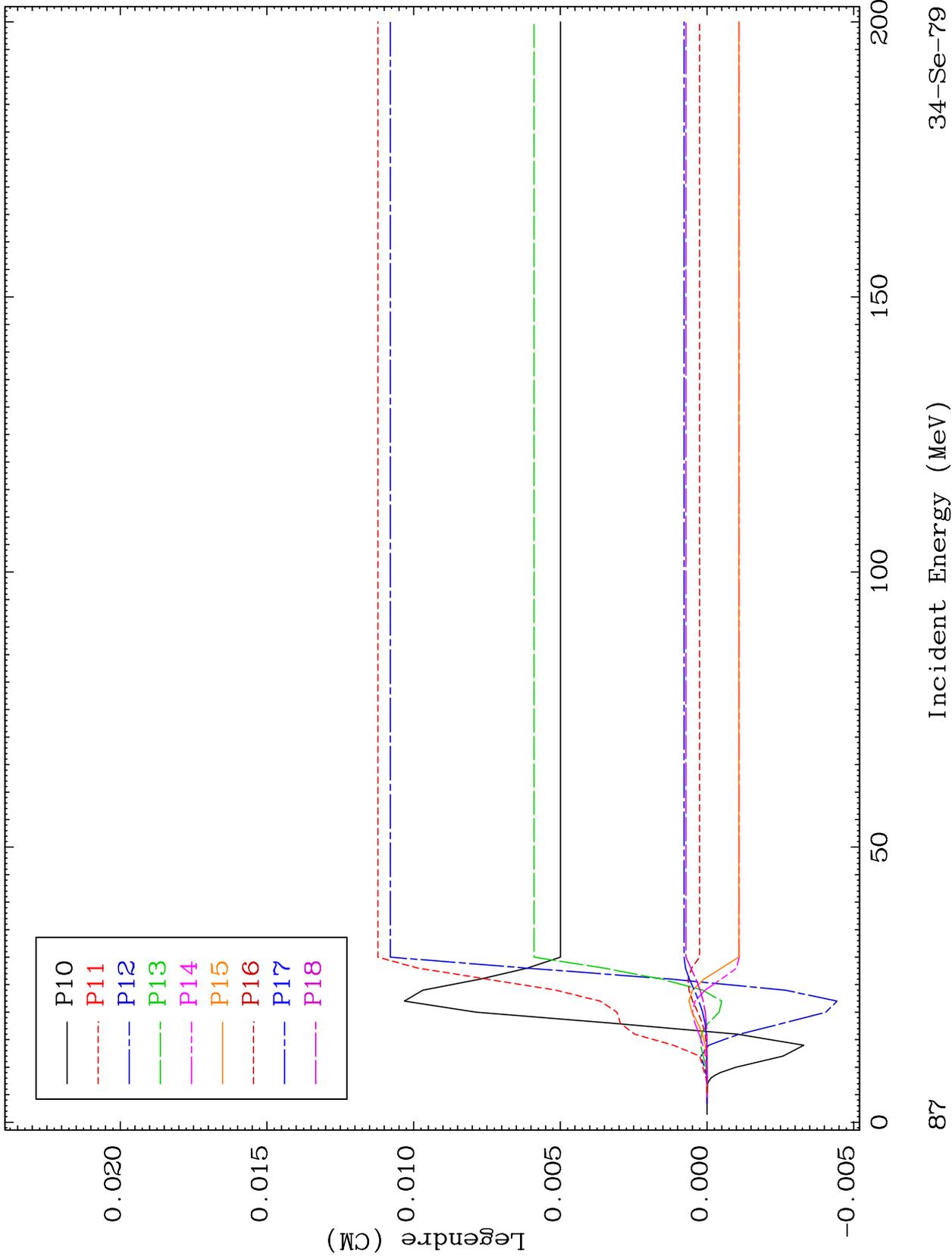
Incident Energy (MeV)

86

MAT 3440

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

34-Se-79



87

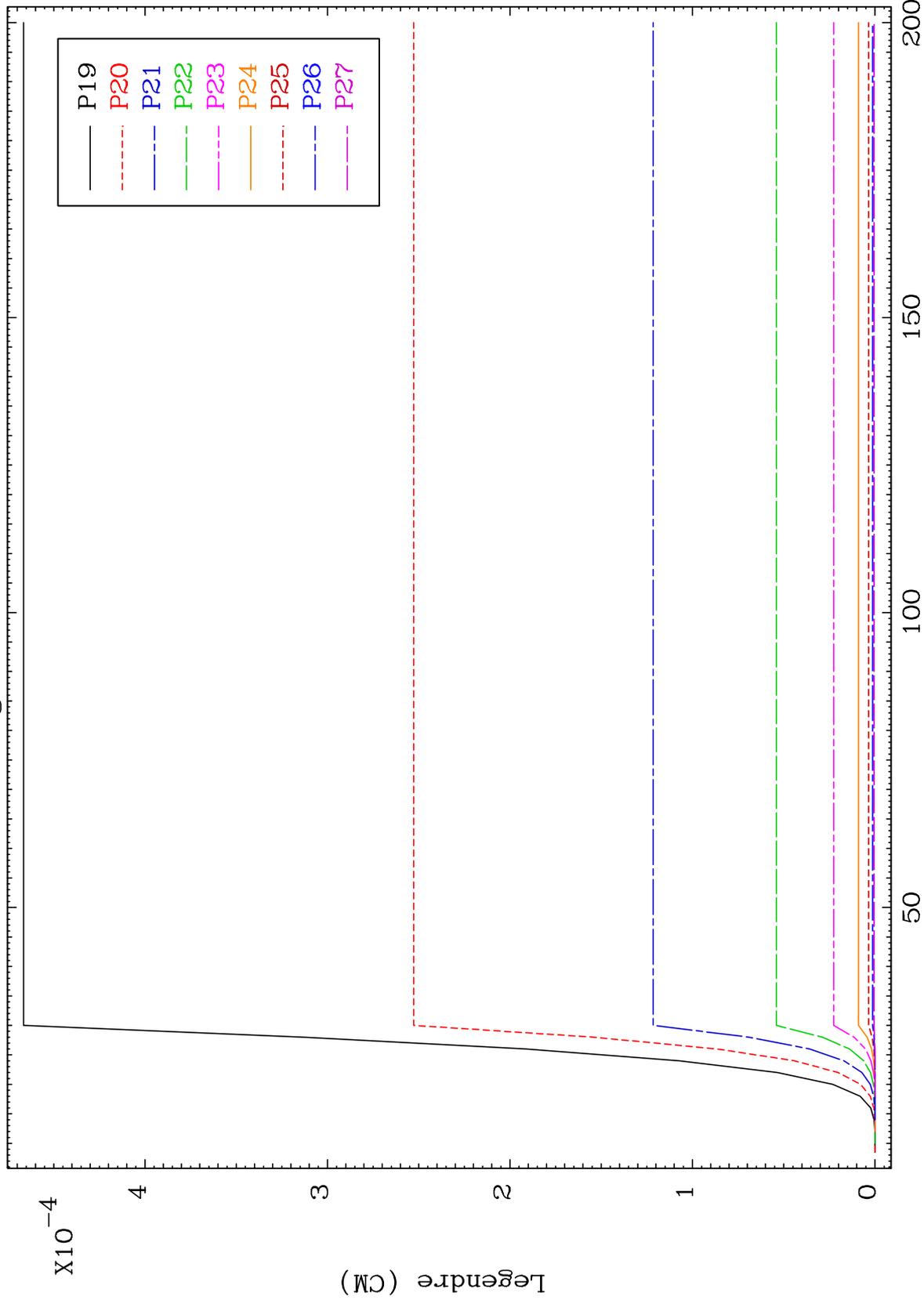
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



88

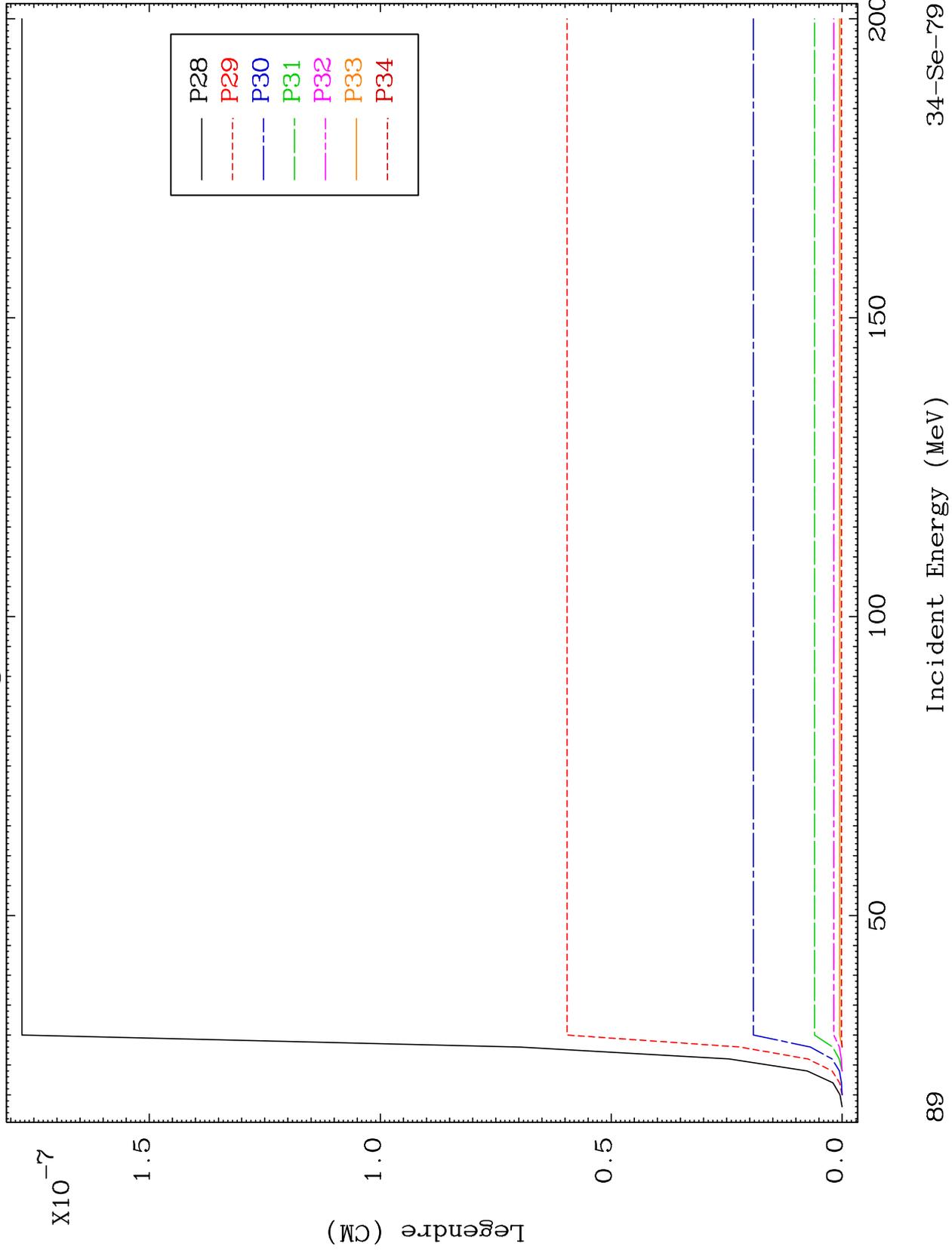
Incident Energy (MeV)

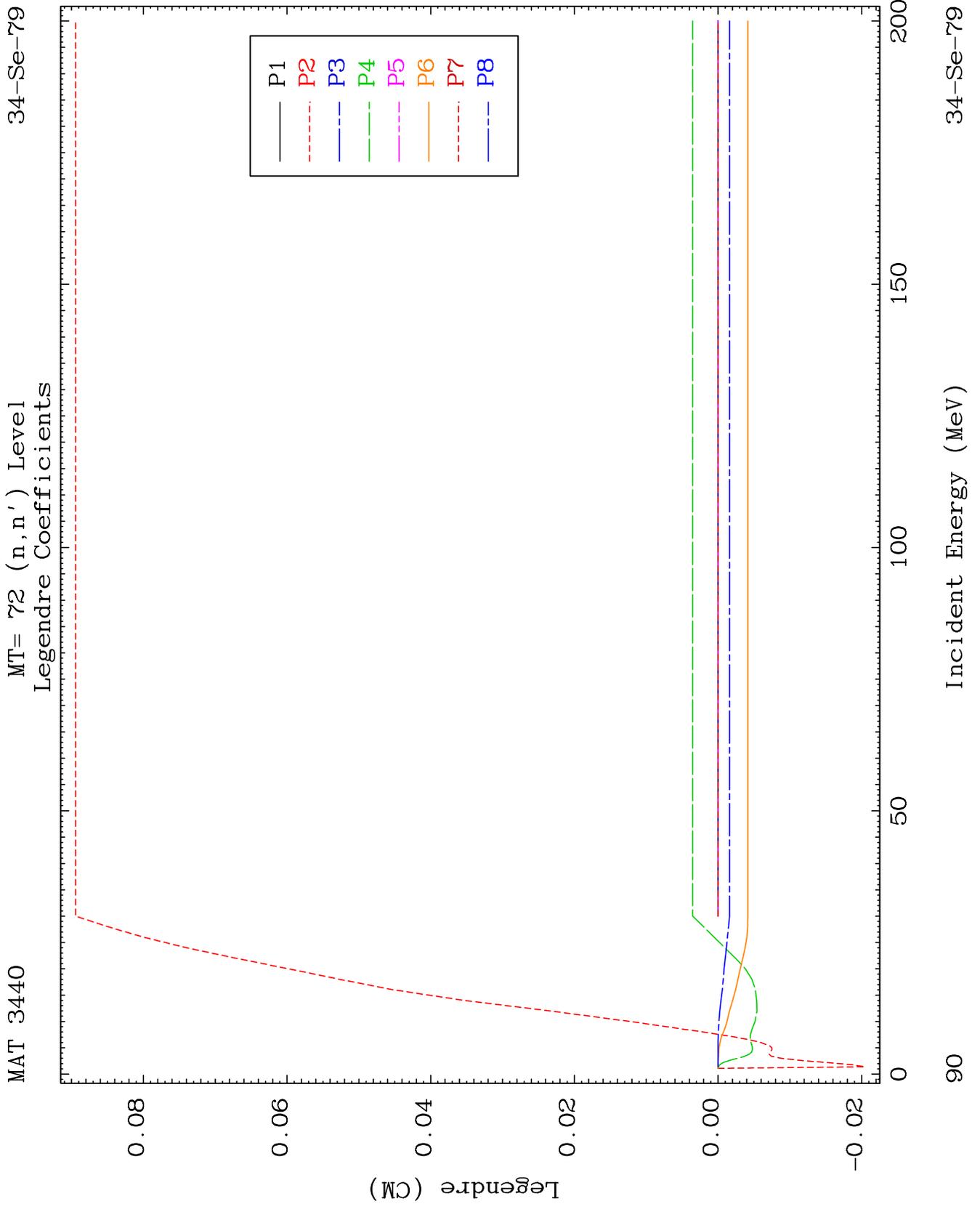
34-Se-79

MAT 3440

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

34-Se-79

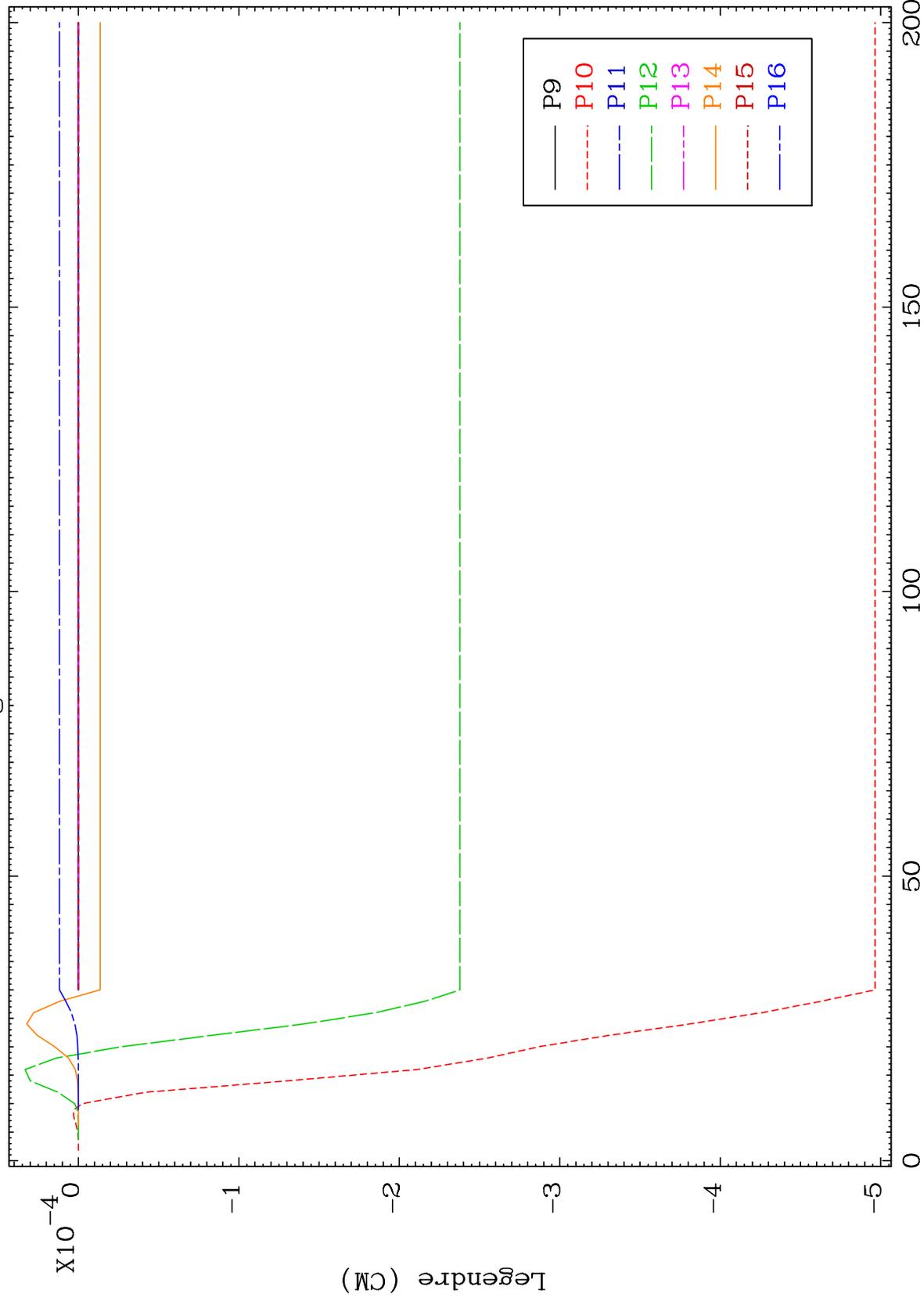




MAT 3440

MT= 72 (n,n') Level
Legendre Coefficients

34-Se-79



91

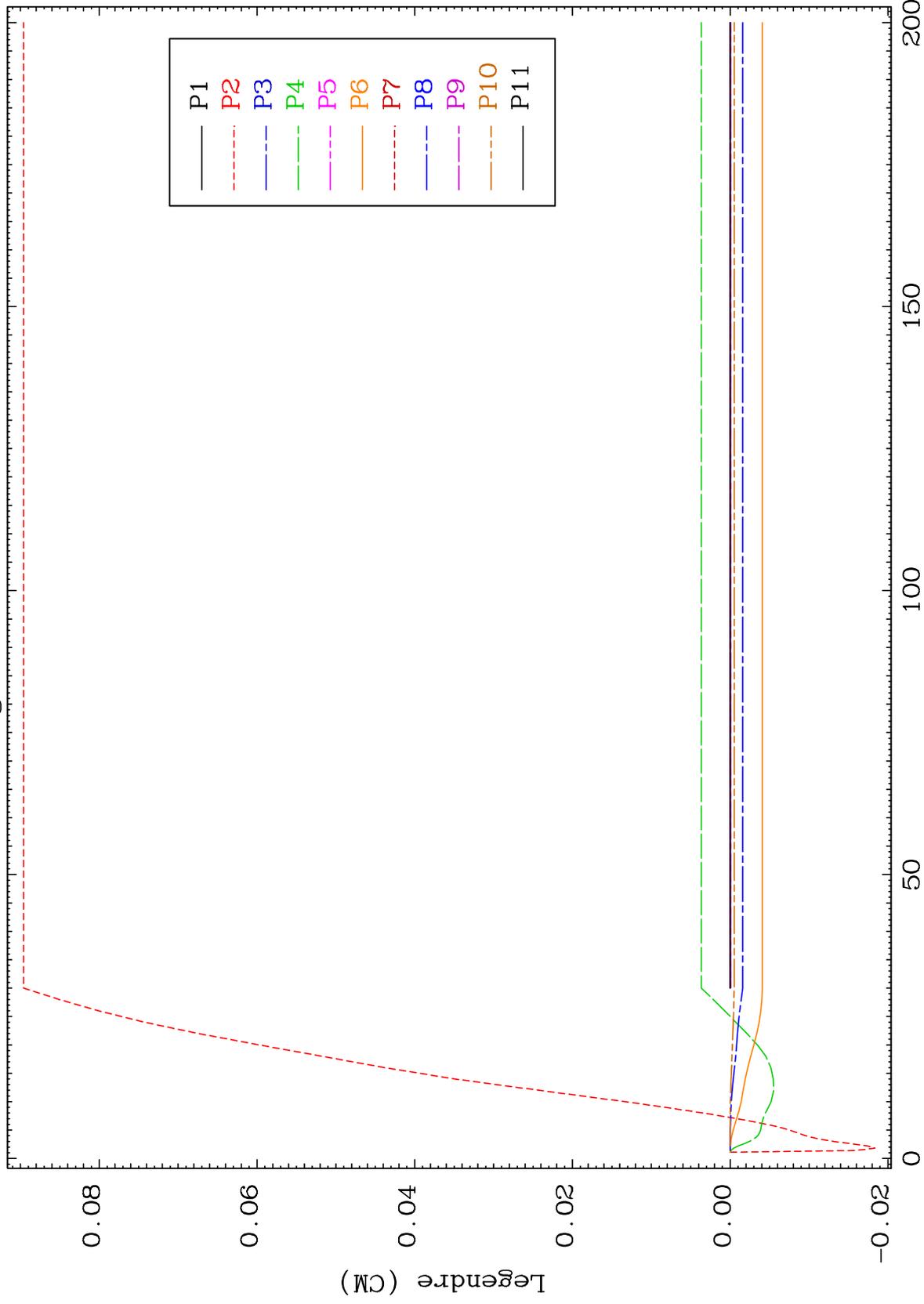
Incident Energy (MeV)

34-Se-79

MAT 3440

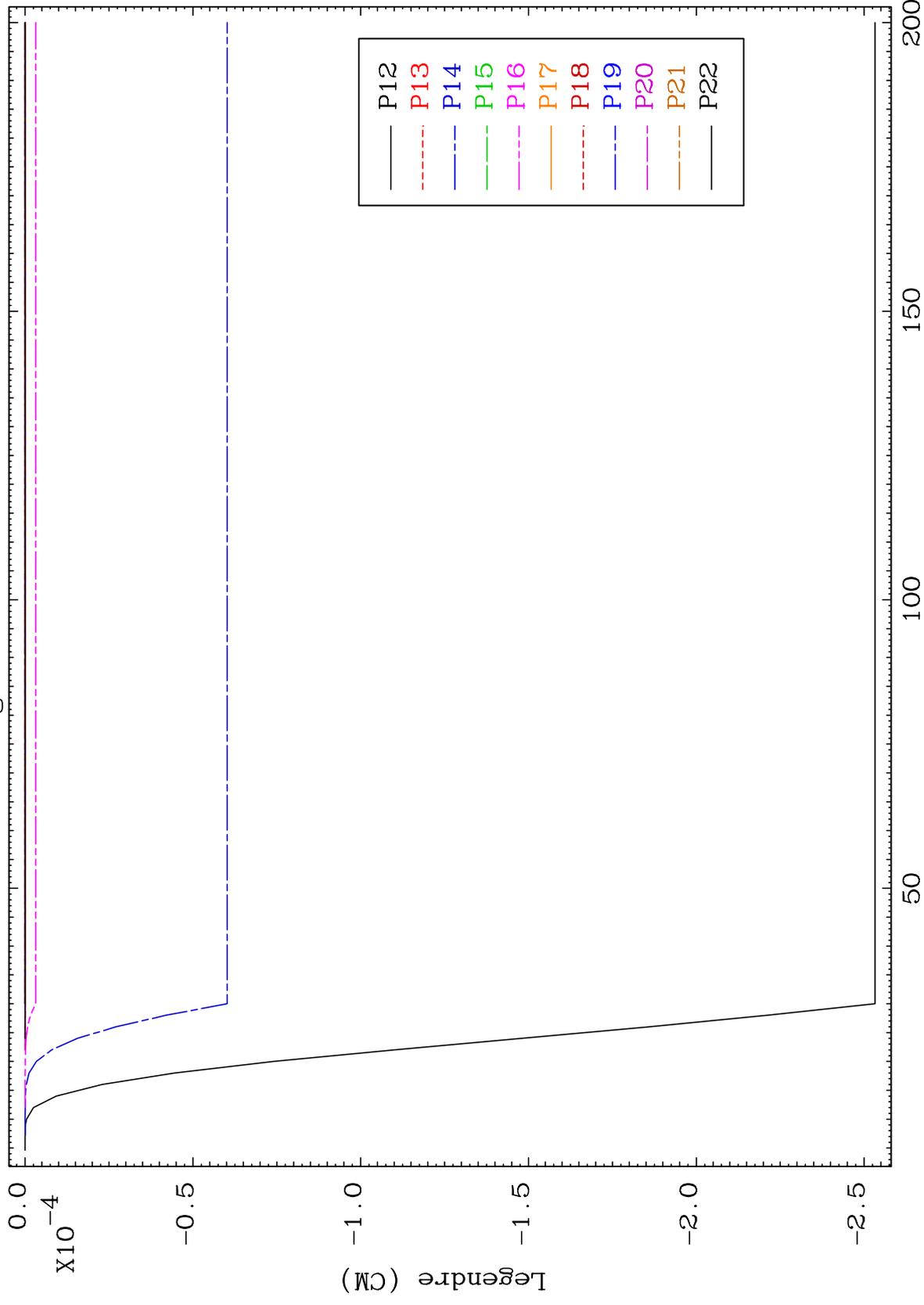
MT= 73 (n,n') Level
Legendre Coefficients

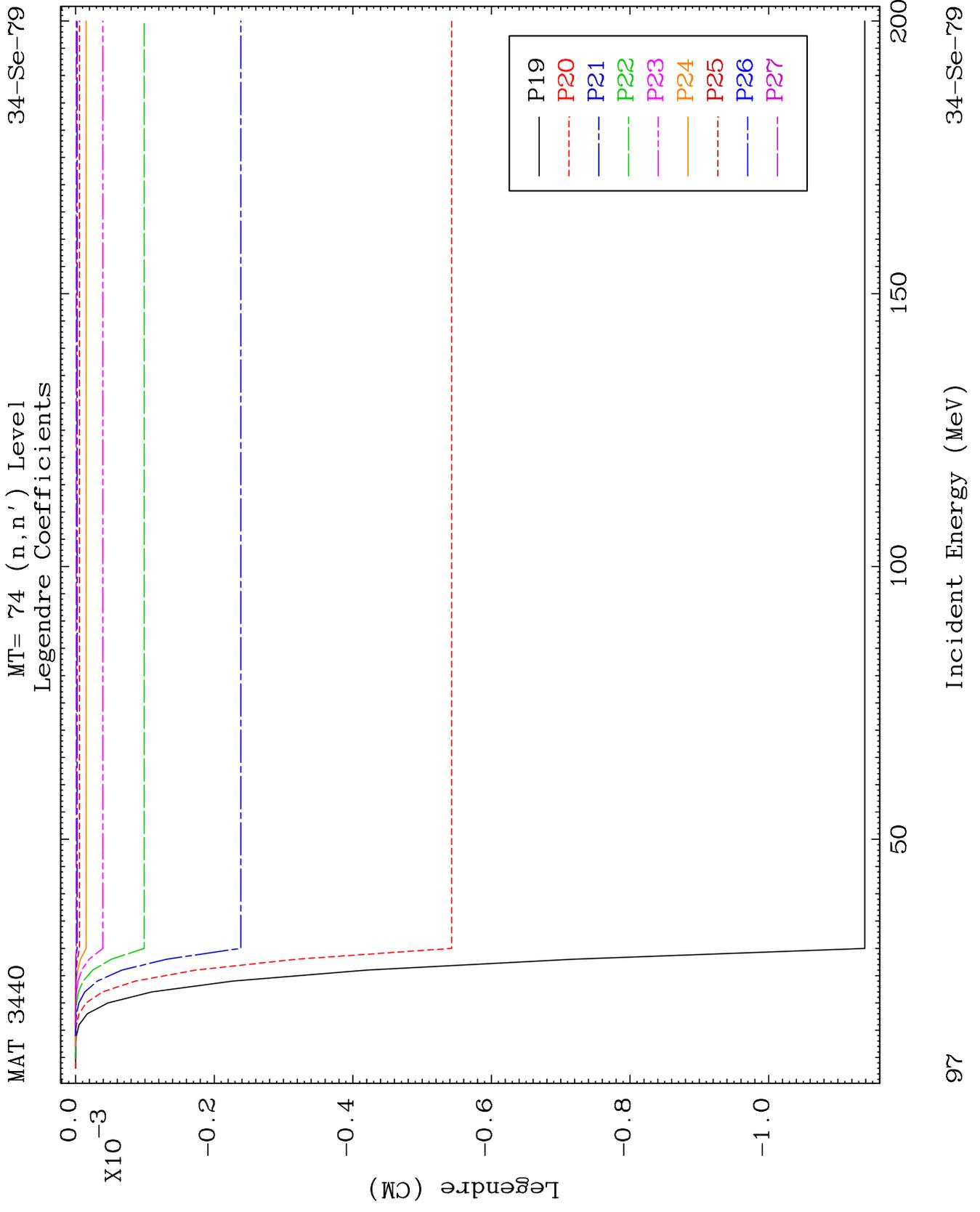
34-Se-79

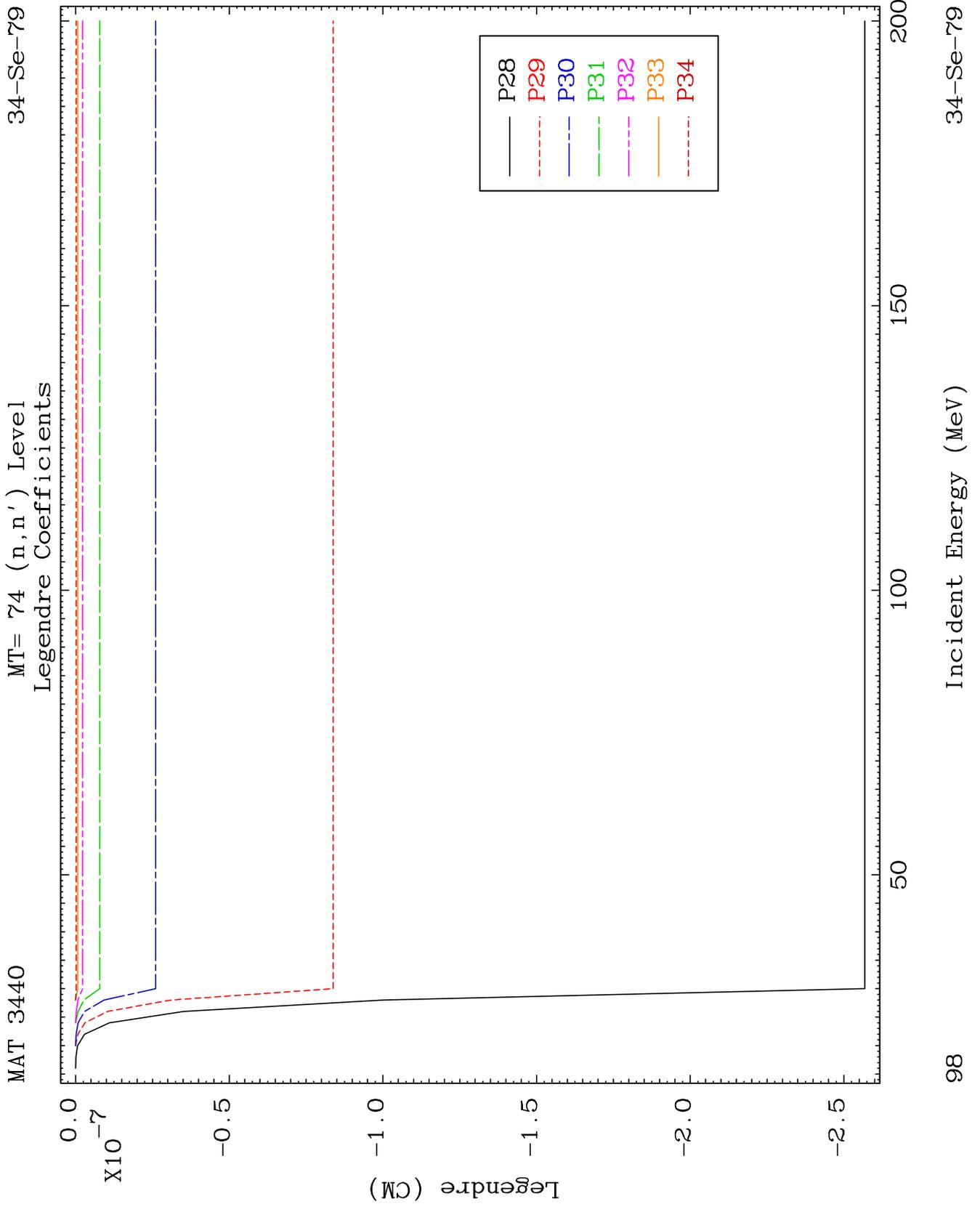


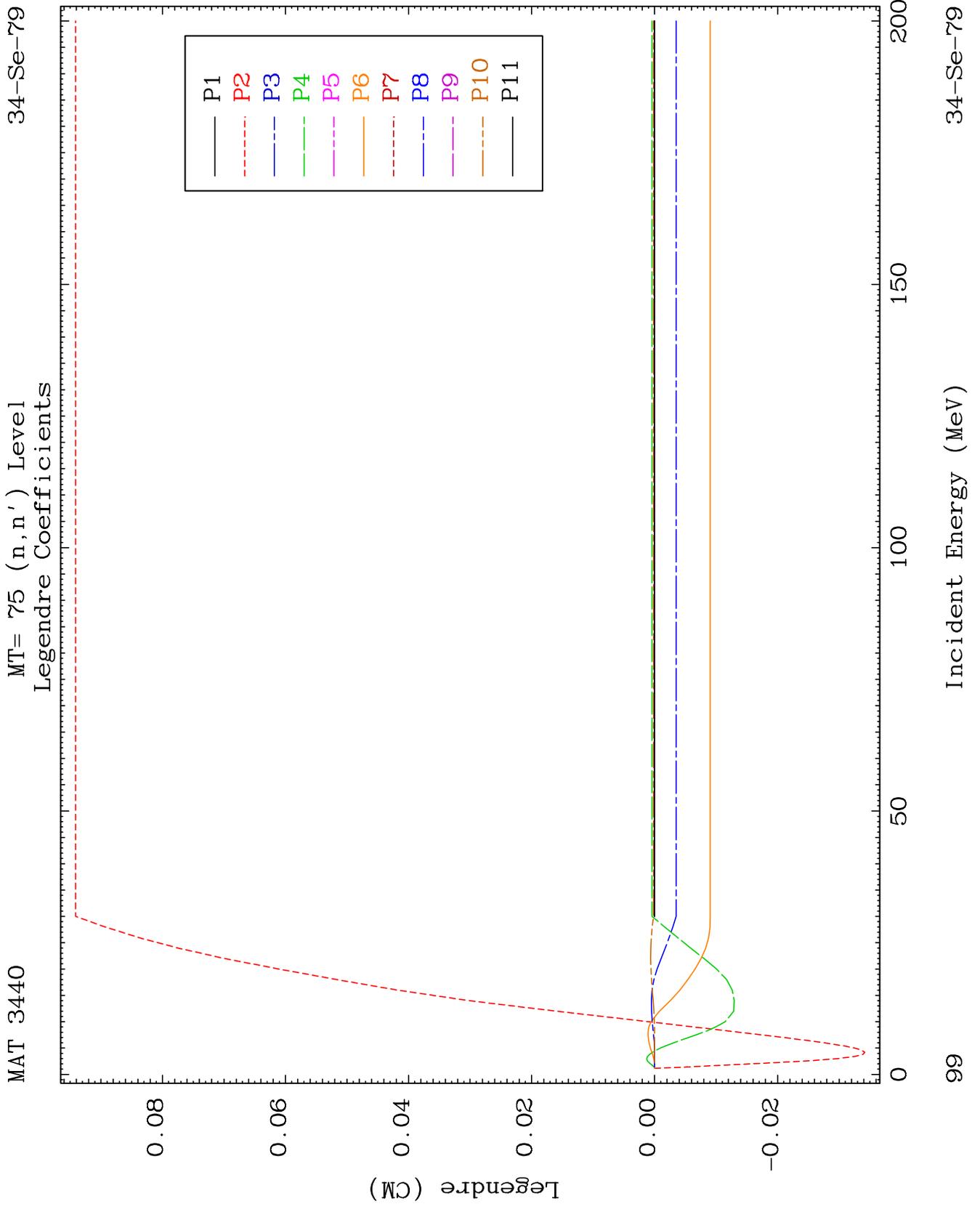
93

34-Se-79





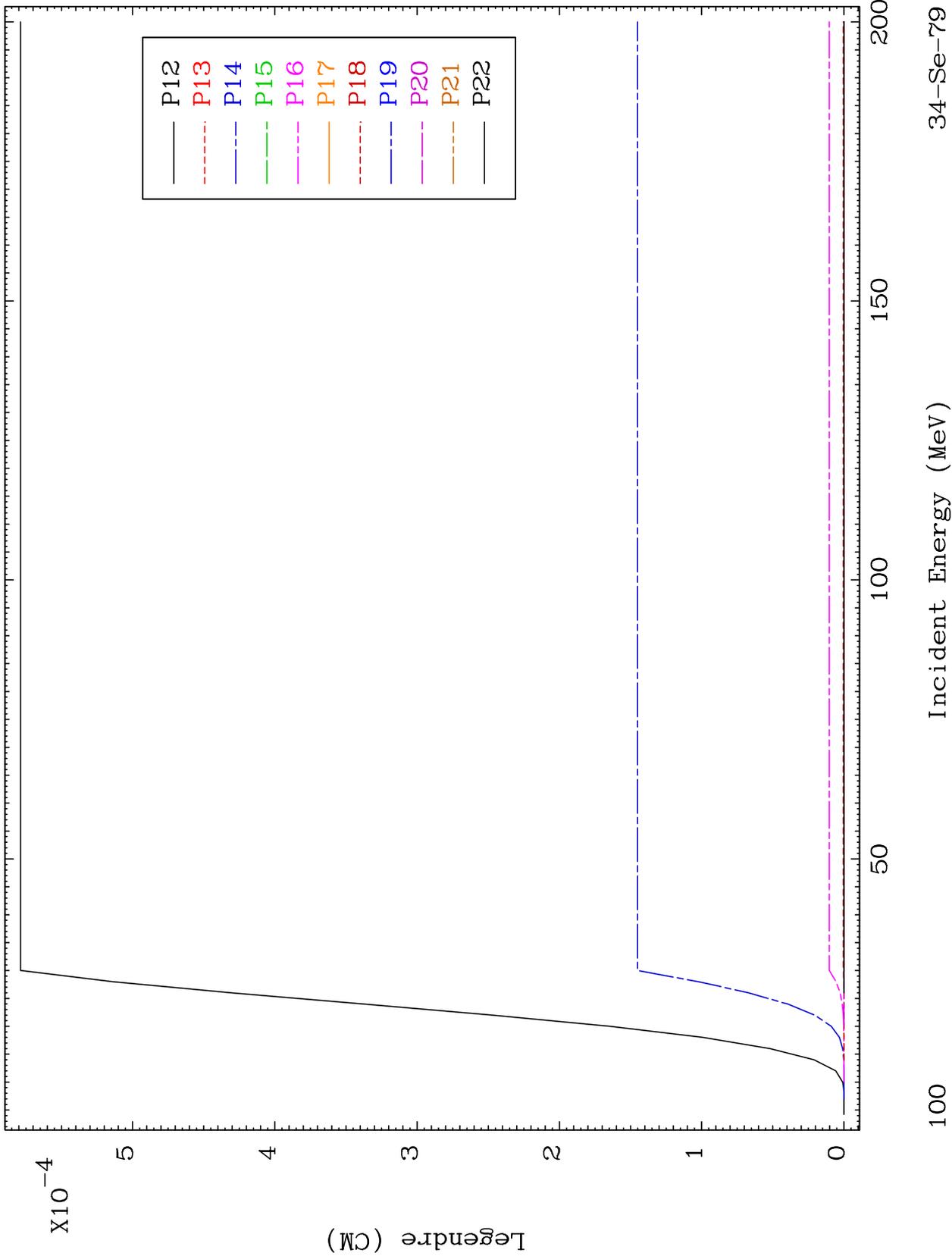




MAT 3440

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

34-Se-79



34-Se-79

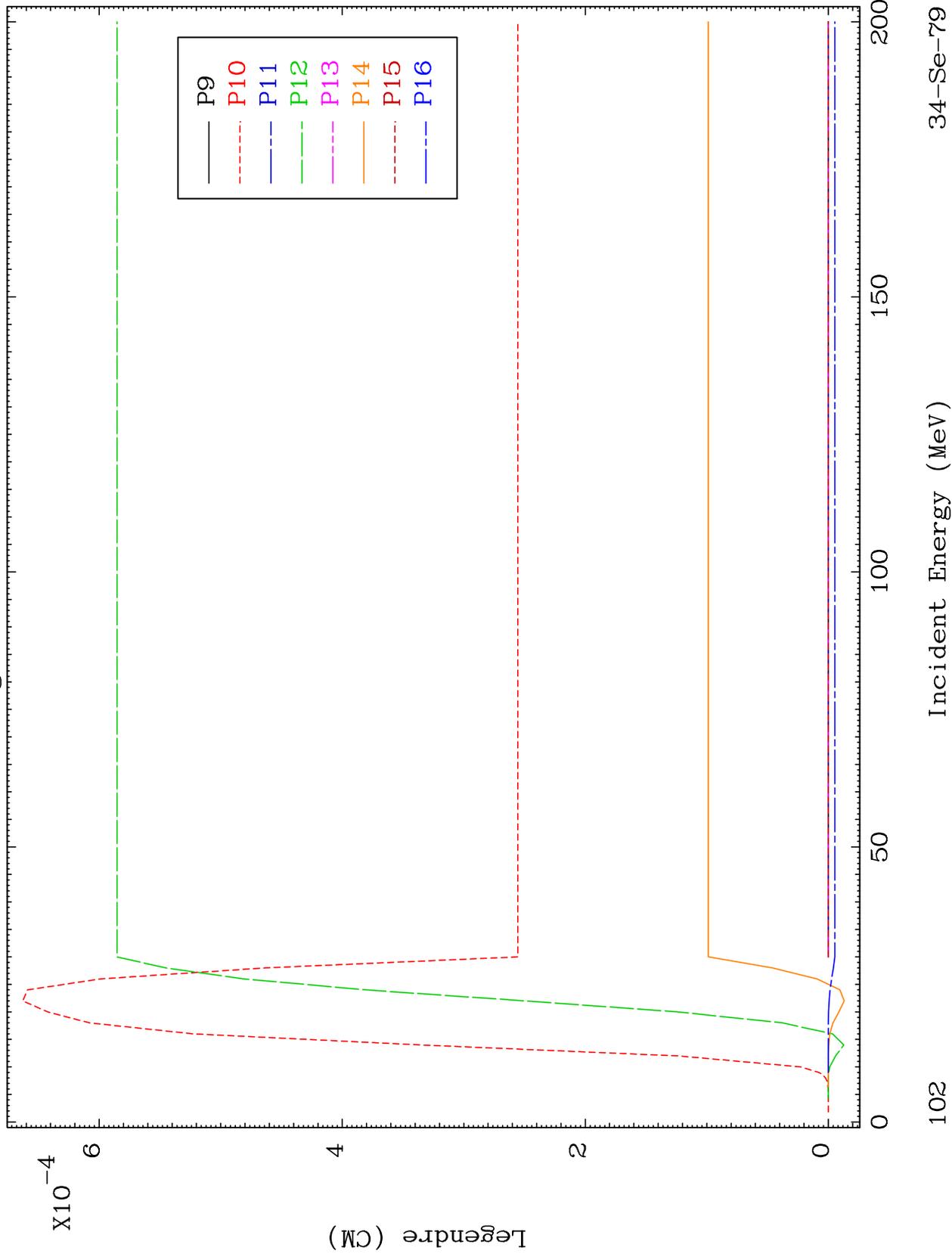
Incident Energy (MeV)

100

MAT 3440

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

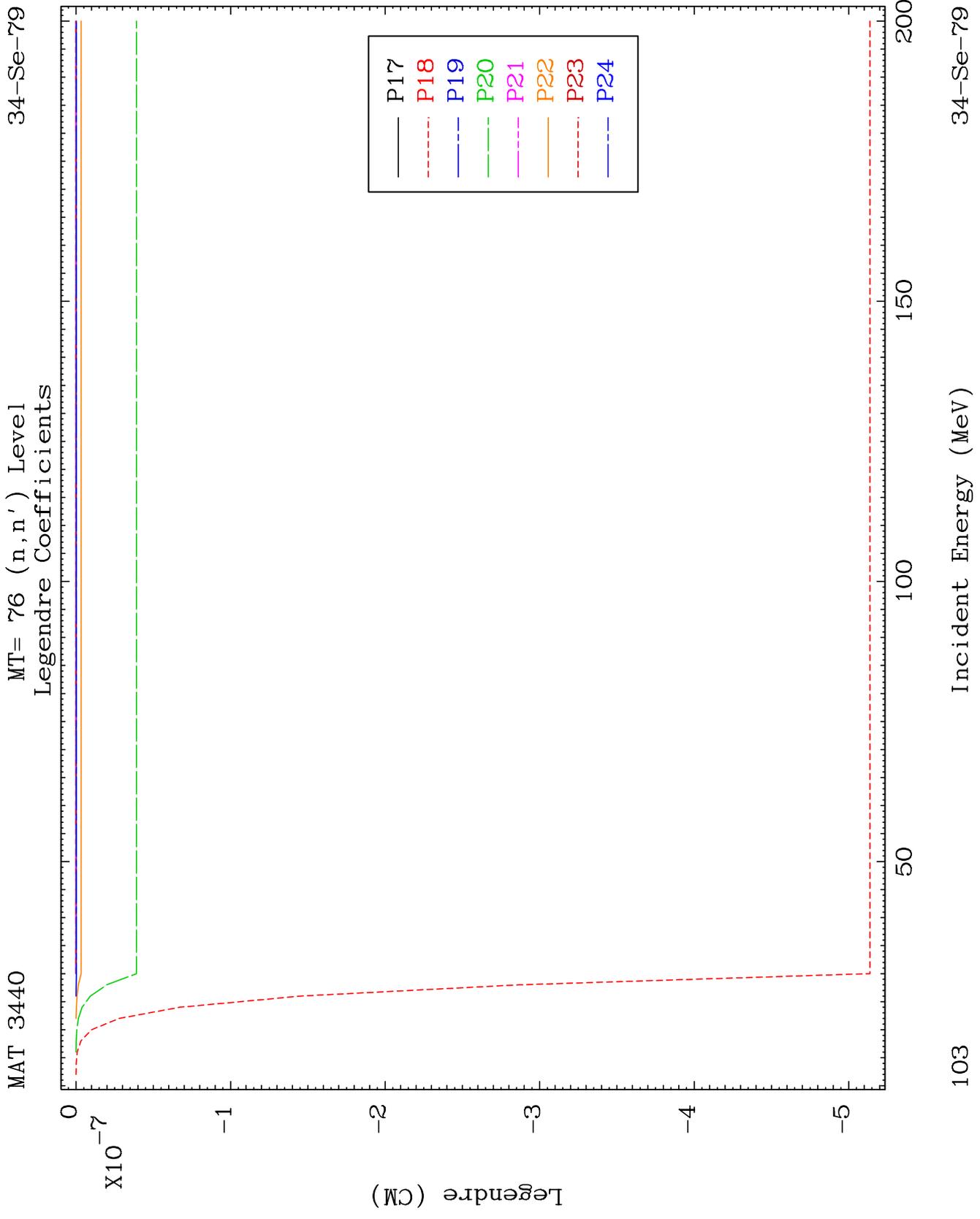
34-Se-79



34-Se-79

Incident Energy (MeV)

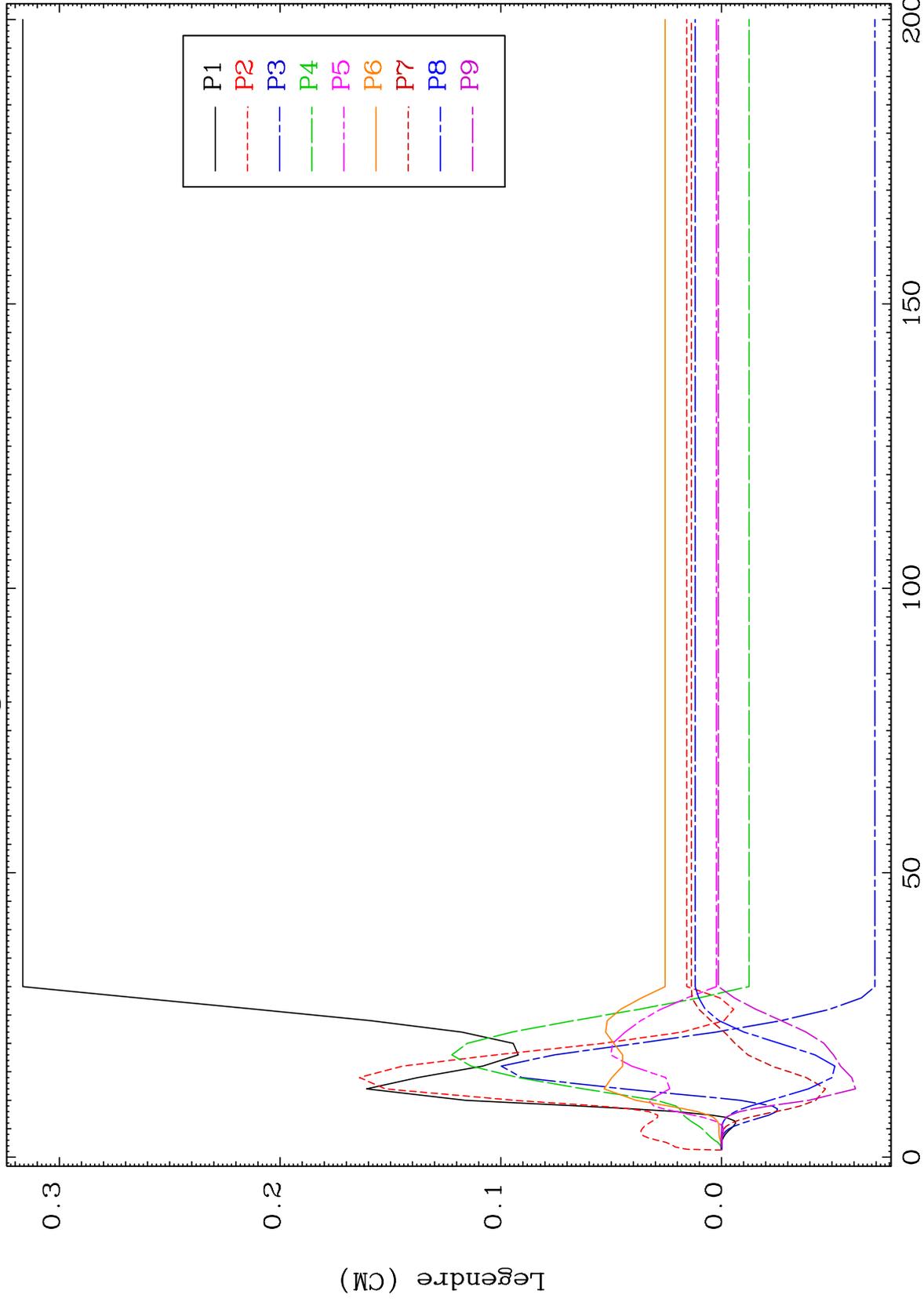
102



MAT 3440

MT= 77 (n,n') Level
Legendre Coefficients

³⁴Se-79



104

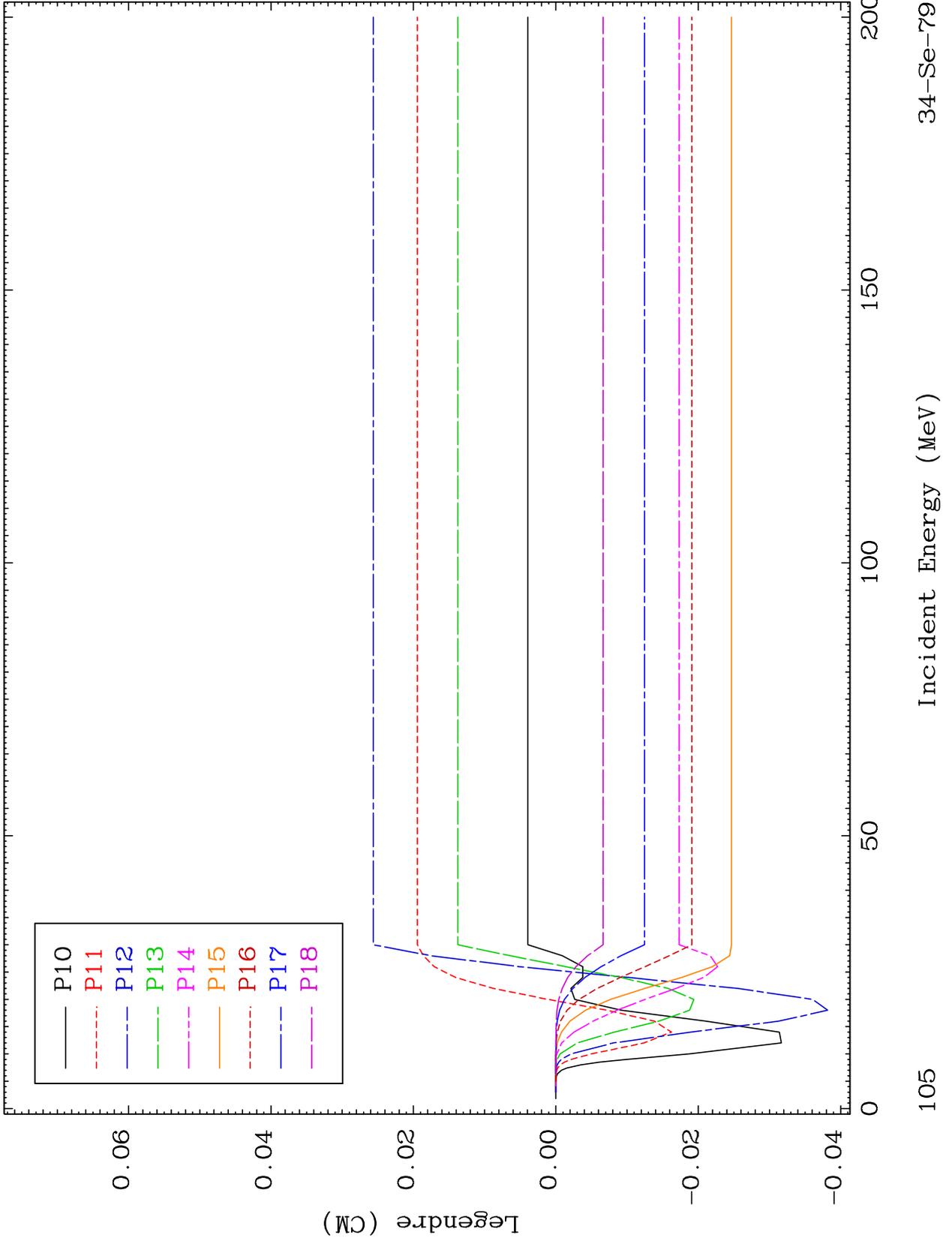
Incident Energy (MeV)

³⁴Se-79

MAT 3440

MT= 77 (n,n') Level
Legendre Coefficients

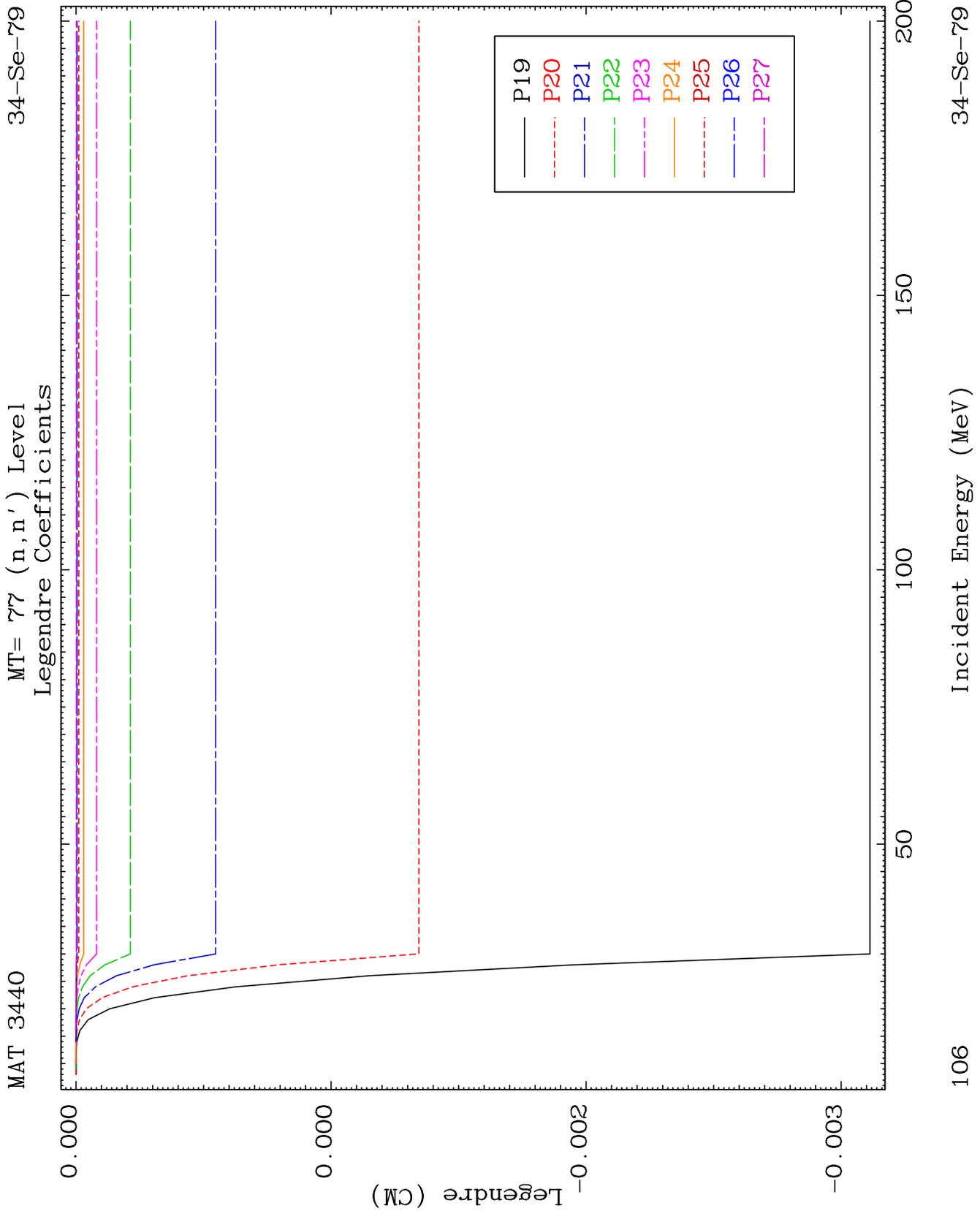
34-Se-79

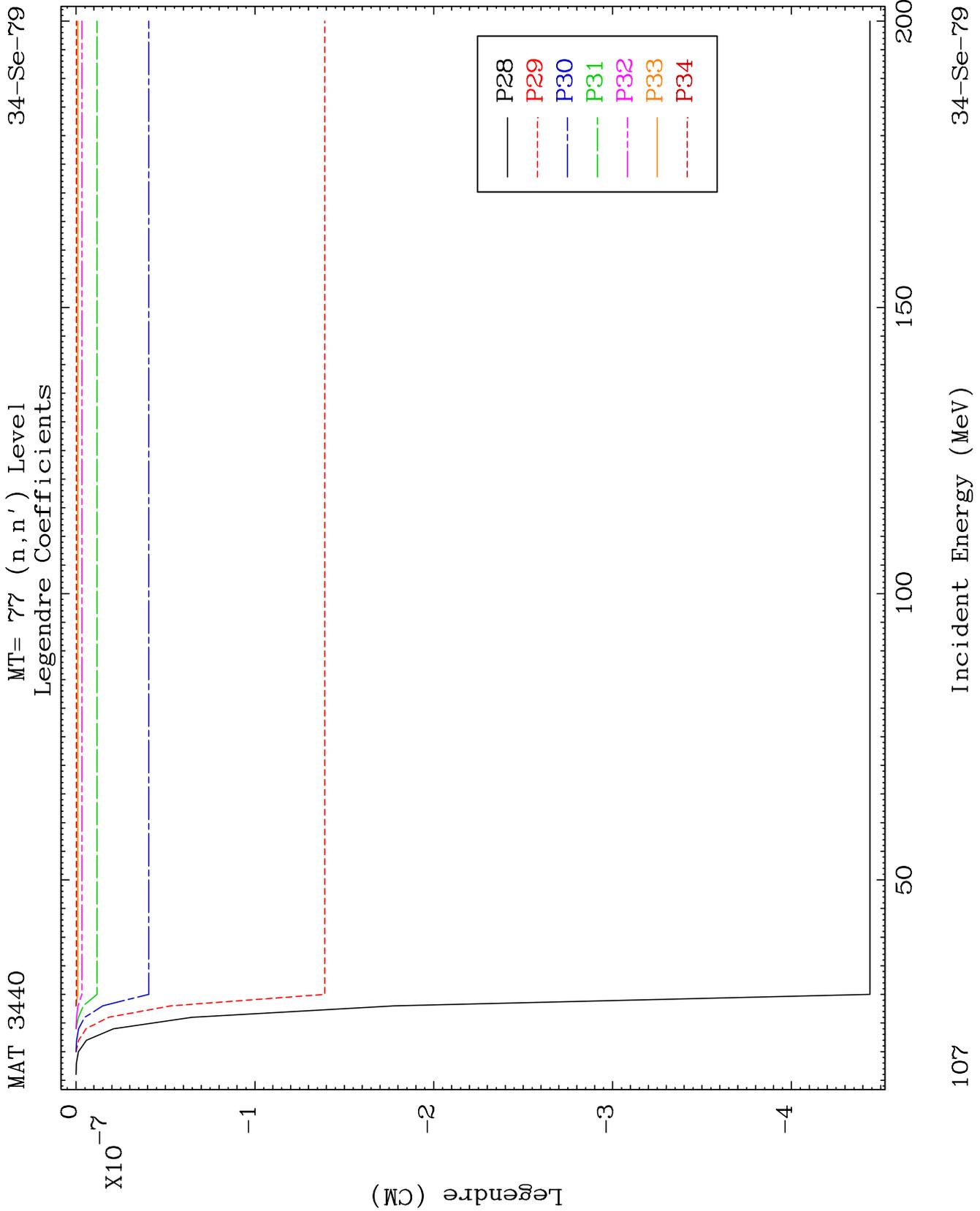


34-Se-79

Incident Energy (MeV)

105

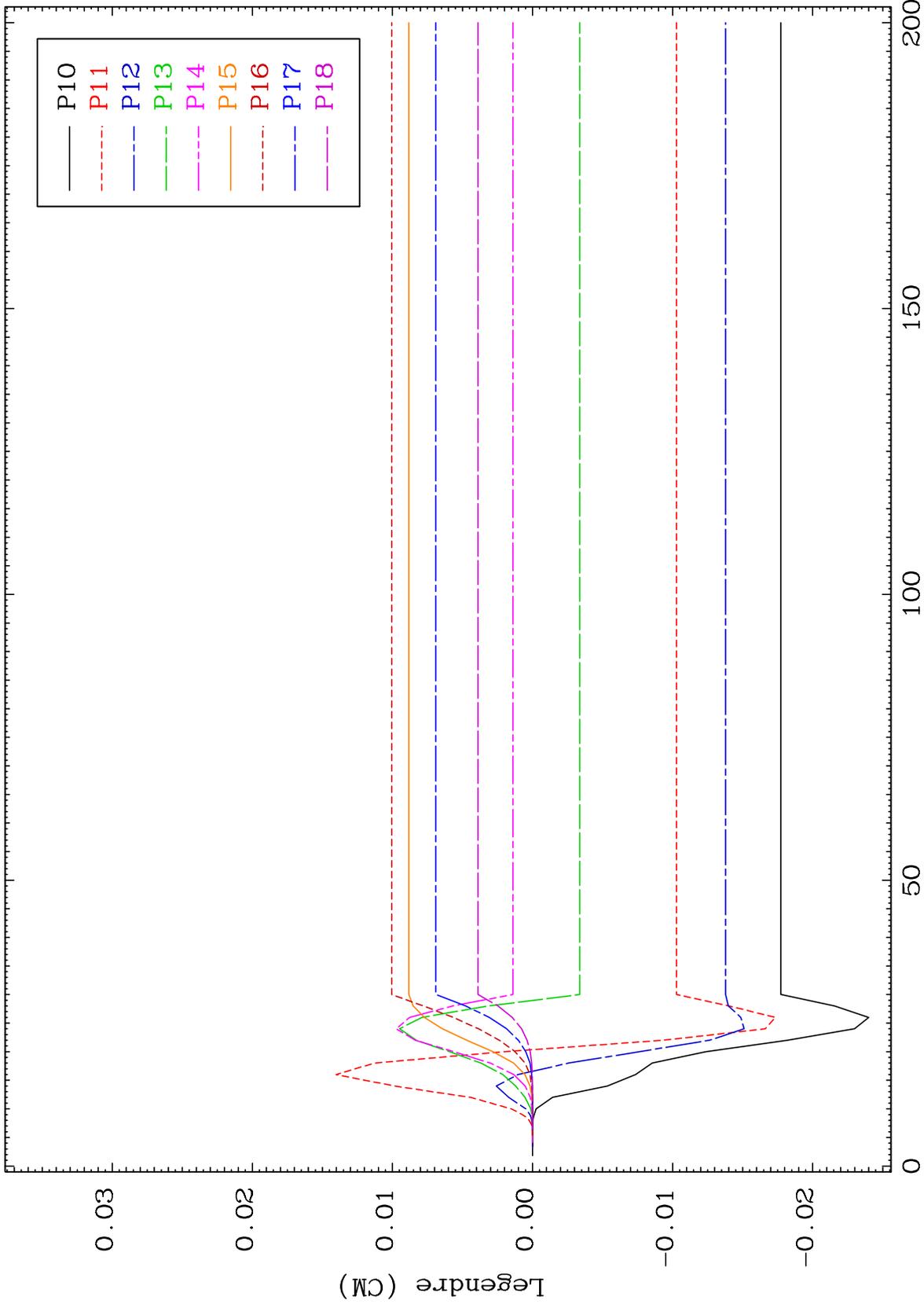




MAT 3440

MT= 78 (n,n') Level
Legendre Coefficients

34-Se-79



109

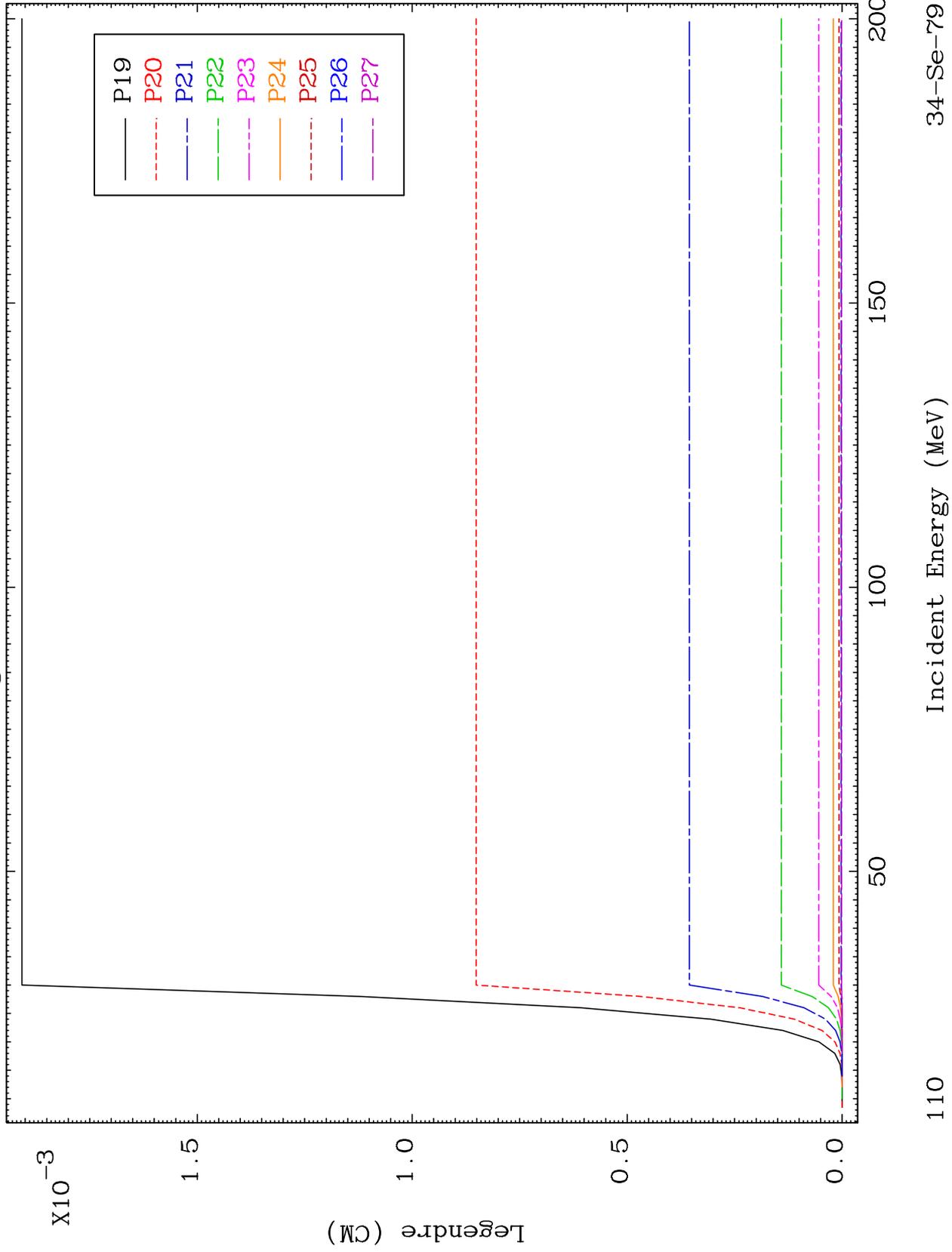
Incident Energy (MeV)

34-Se-79

MAT 3440

MT= 78 (n,n') Level
Legendre Coefficients

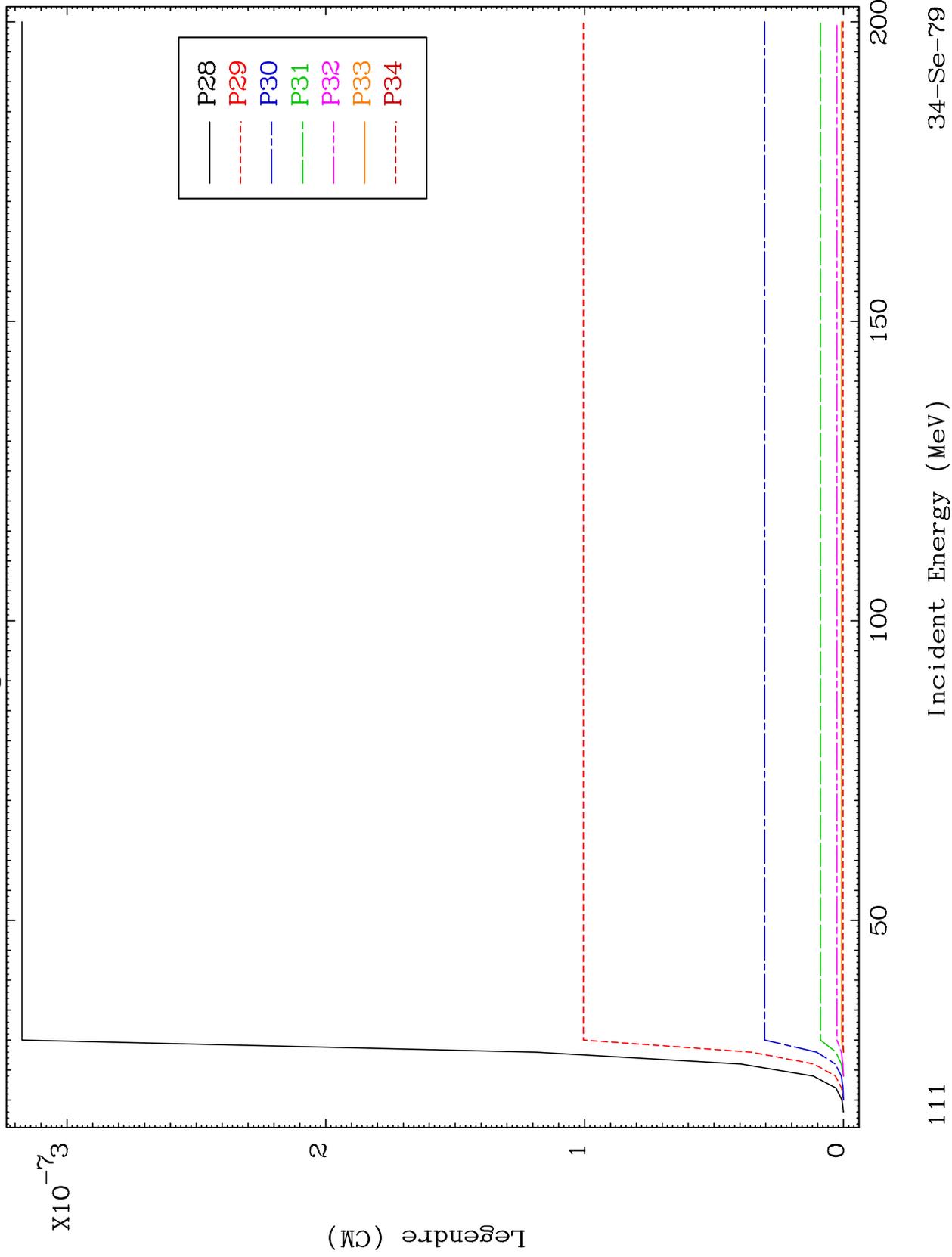
³⁴Se-79



MAT 3440

MT= 78 (n,n') Level
Legendre Coefficients

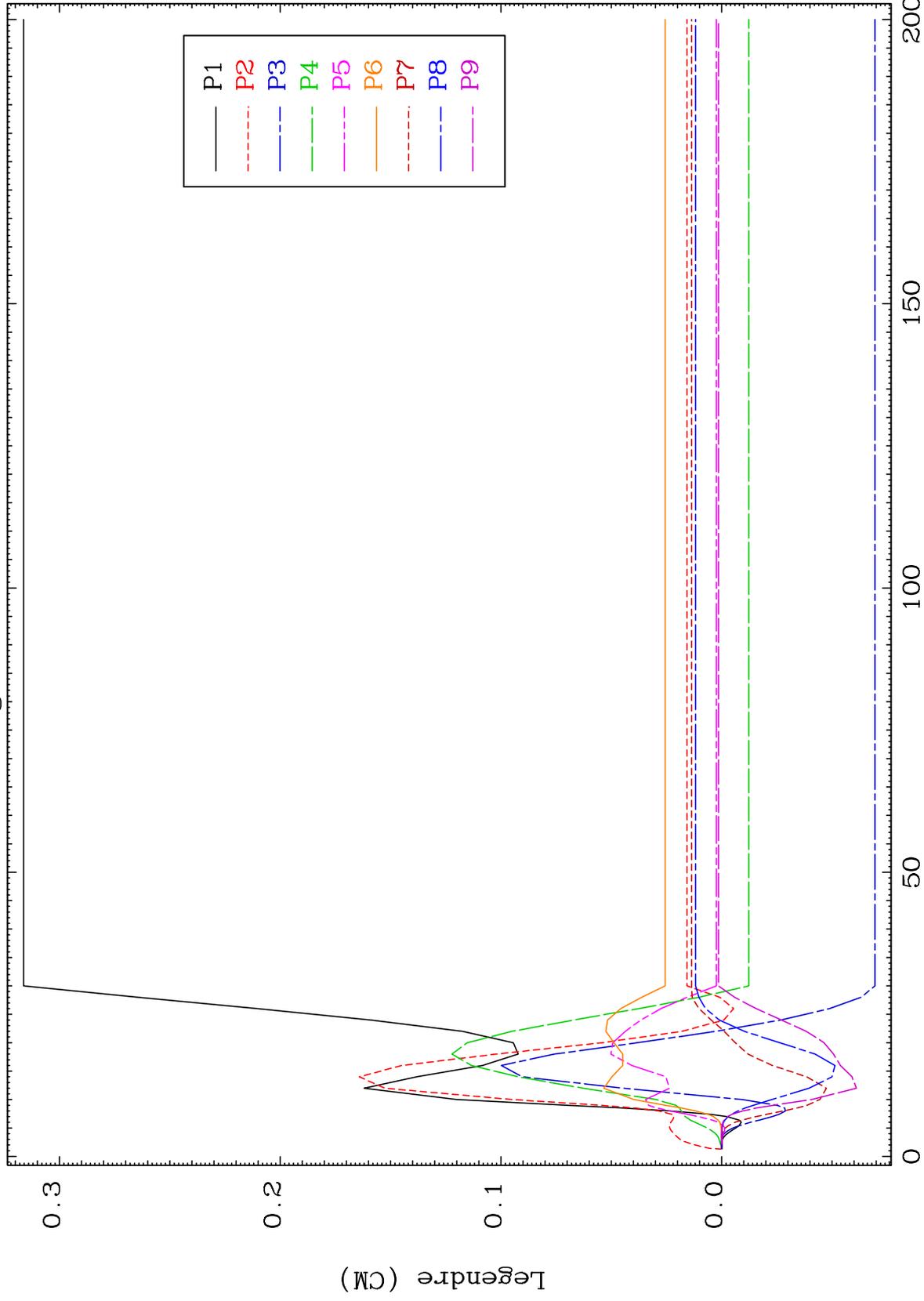
34-Se-79



MAT 3440

MT= 79 (n,n') Level
Legendre Coefficients

³⁴Se-79



112

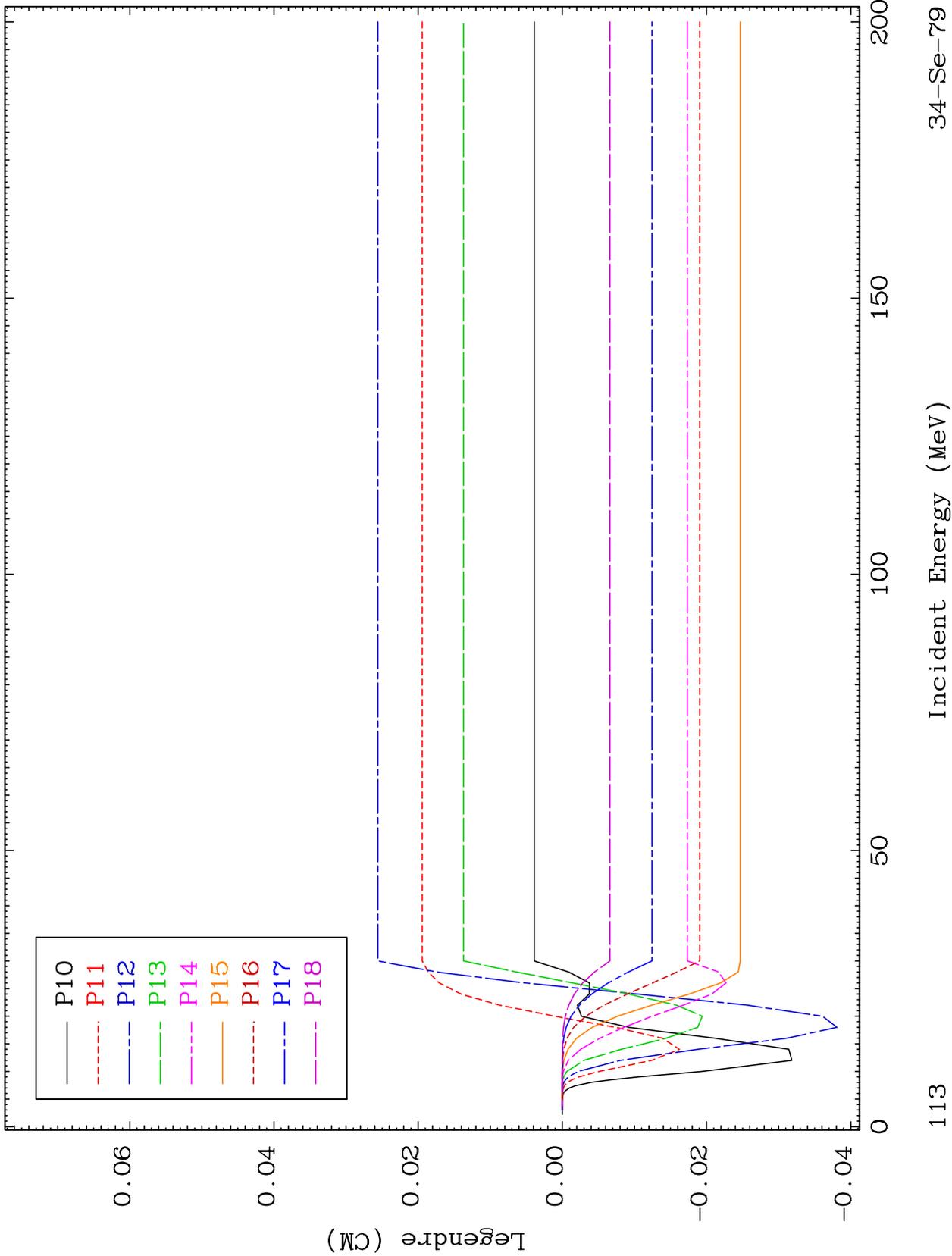
Incident Energy (MeV)

³⁴Se-79

MAT 3440

MT= 79 (n,n') Level
Legendre Coefficients

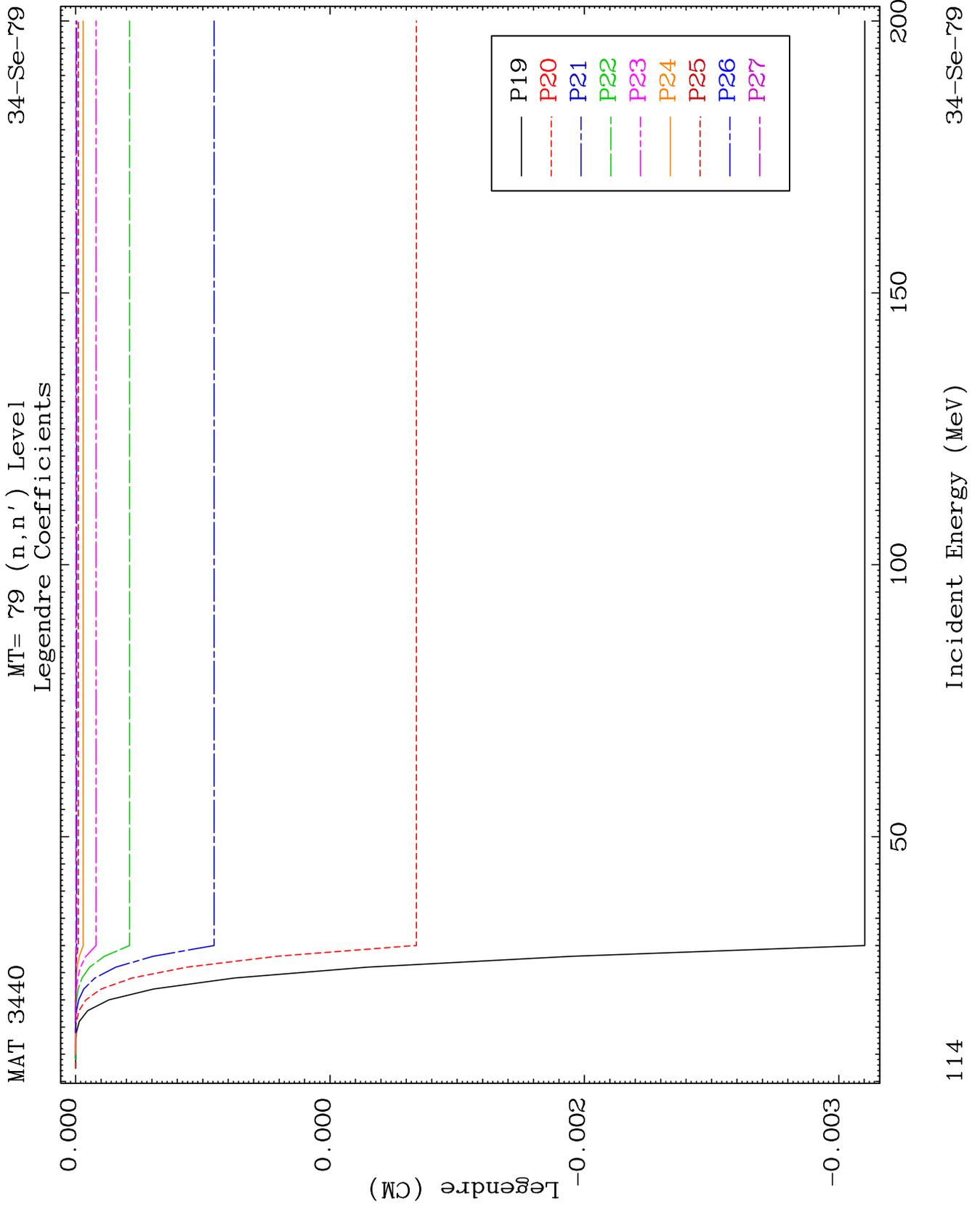
34-Se-79

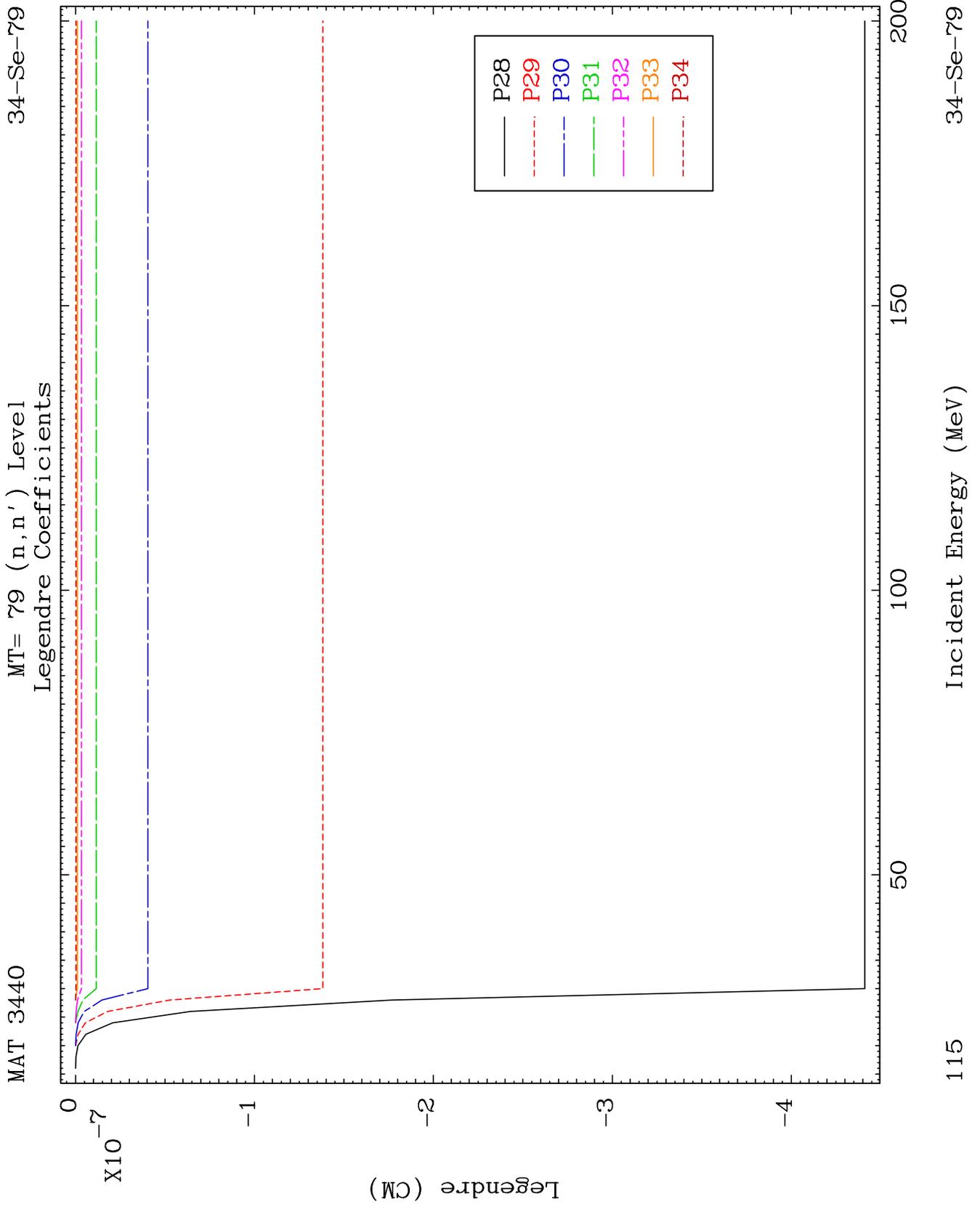


113

Incident Energy (MeV)

34-Se-79

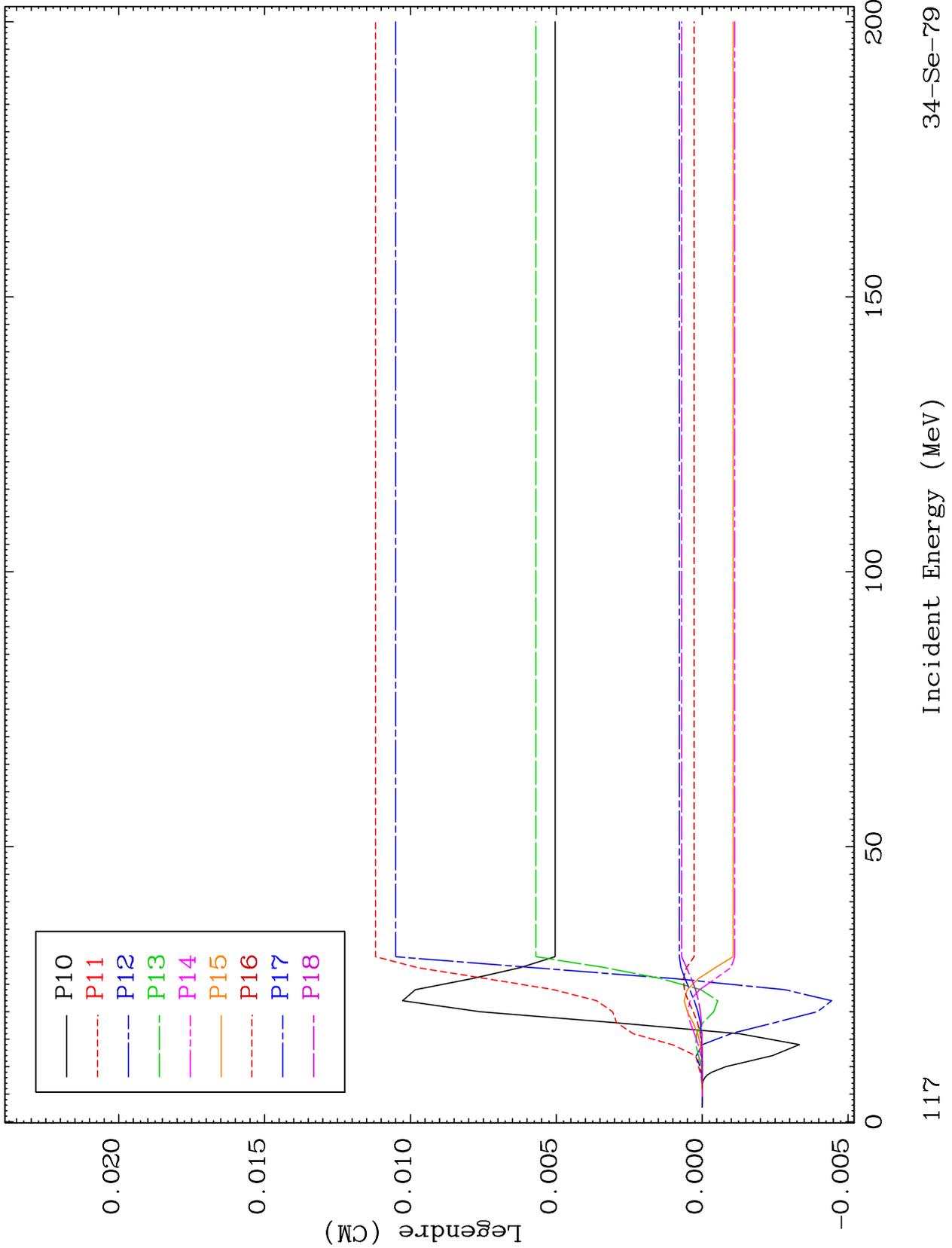




MAT 3440

MT= 80 (n,n') Level
Legendre Coefficients

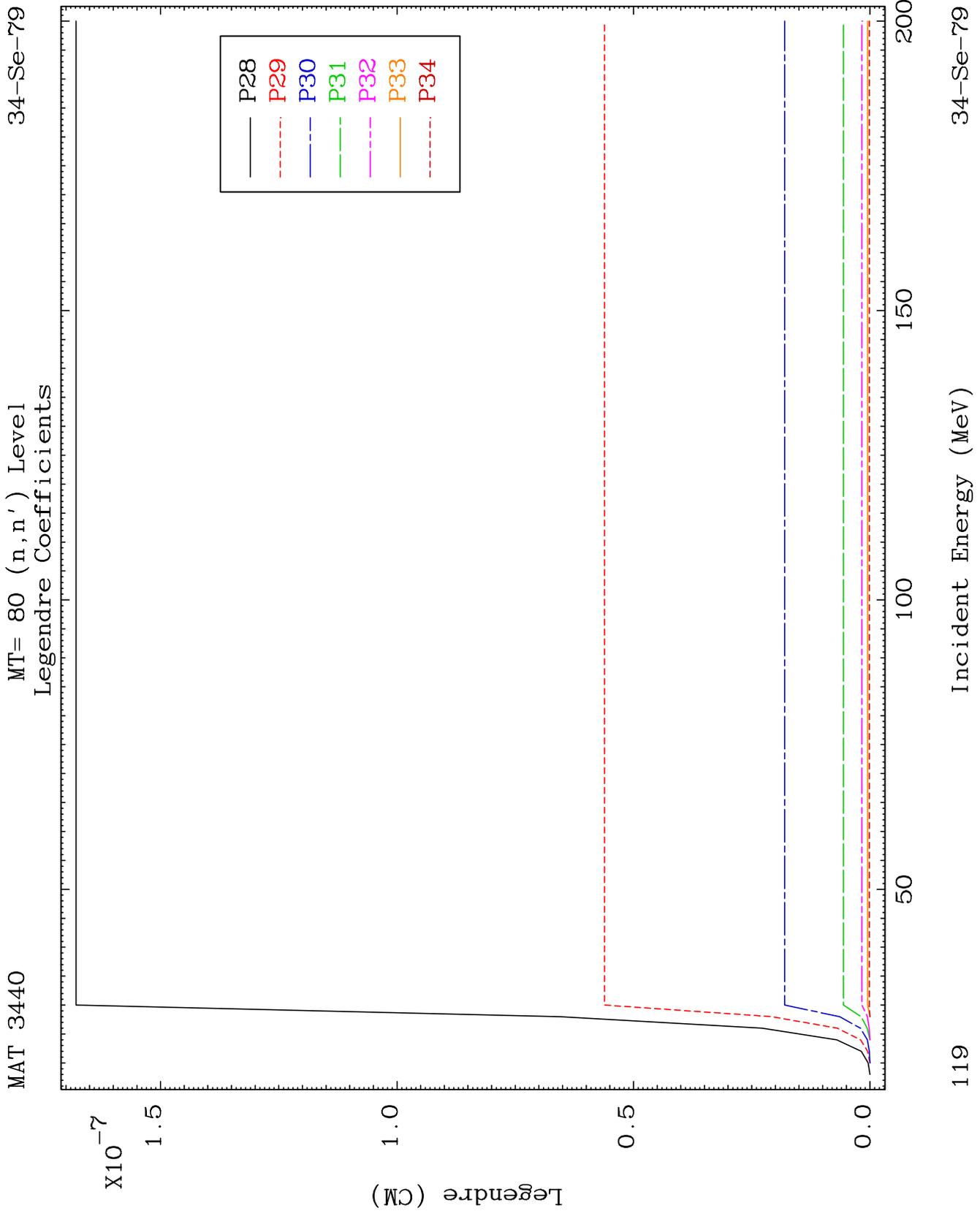
34-Se-79



117

Incident Energy (MeV)

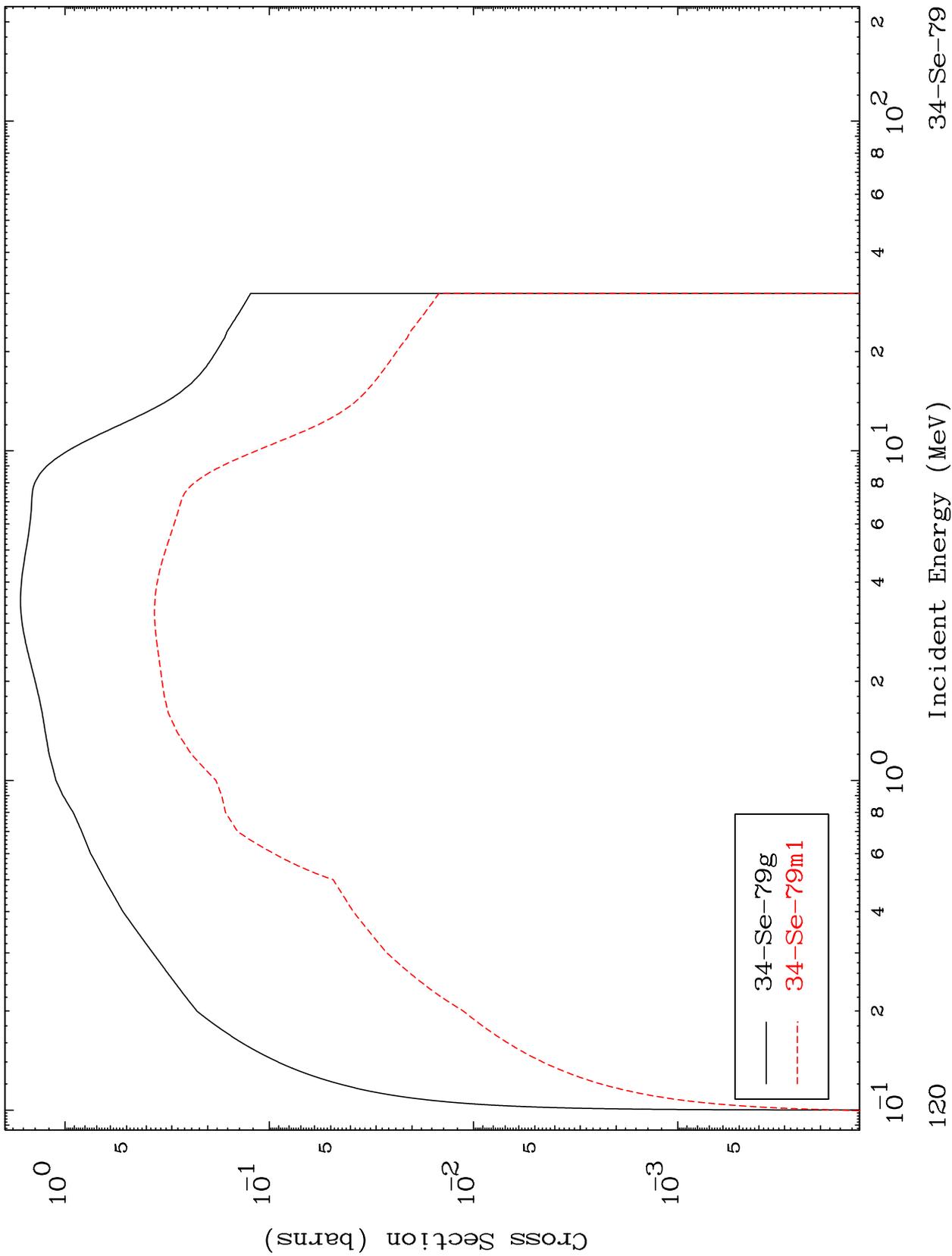
34-Se-79



MAT 3440

³⁴Se-79

Inelastic
Radionuclide Production Cross Section

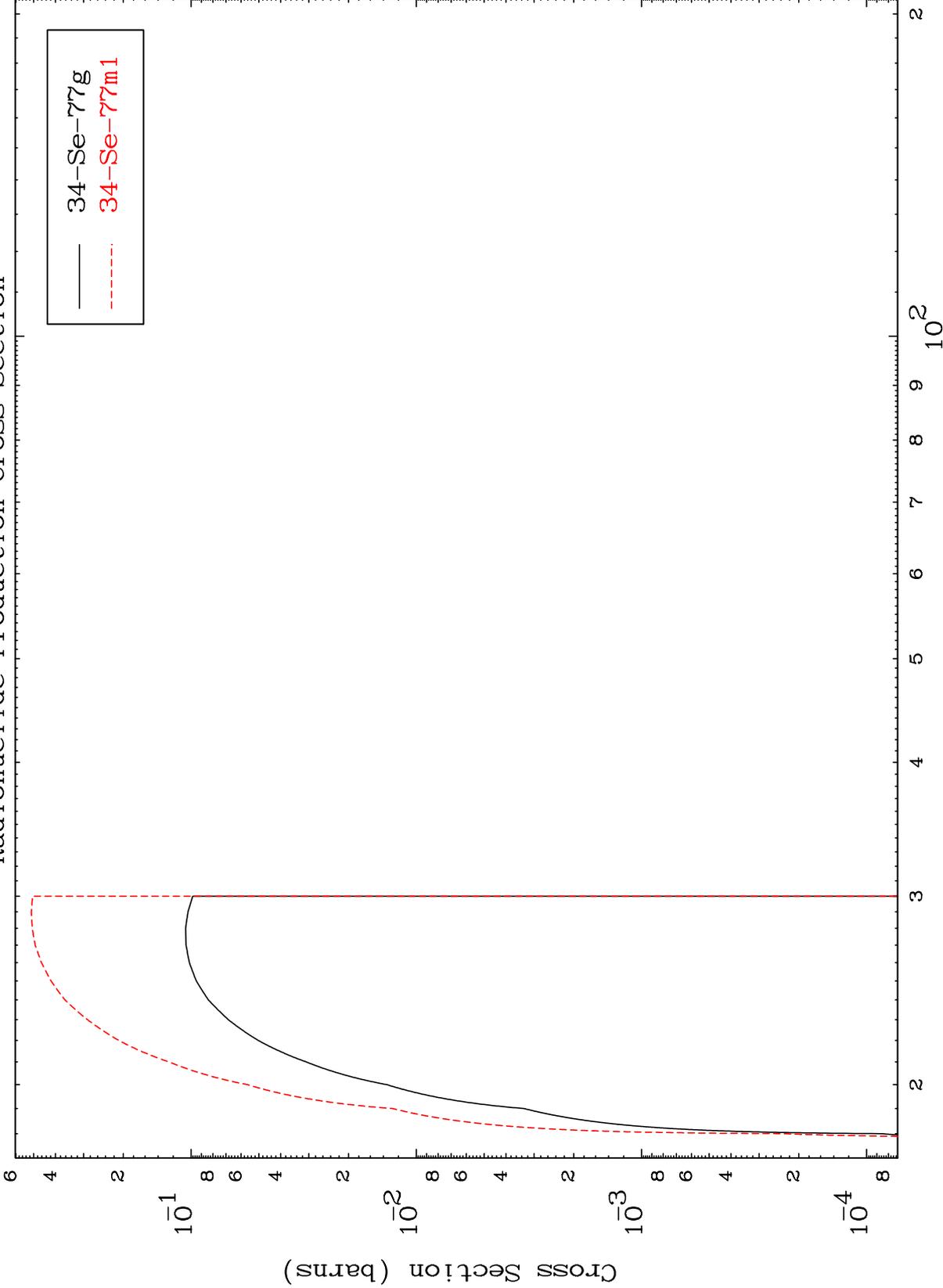


MAT 3440

(n,3n)

³⁴Se-79

Radionuclide Production Cross Section



121

Incident Energy (MeV)

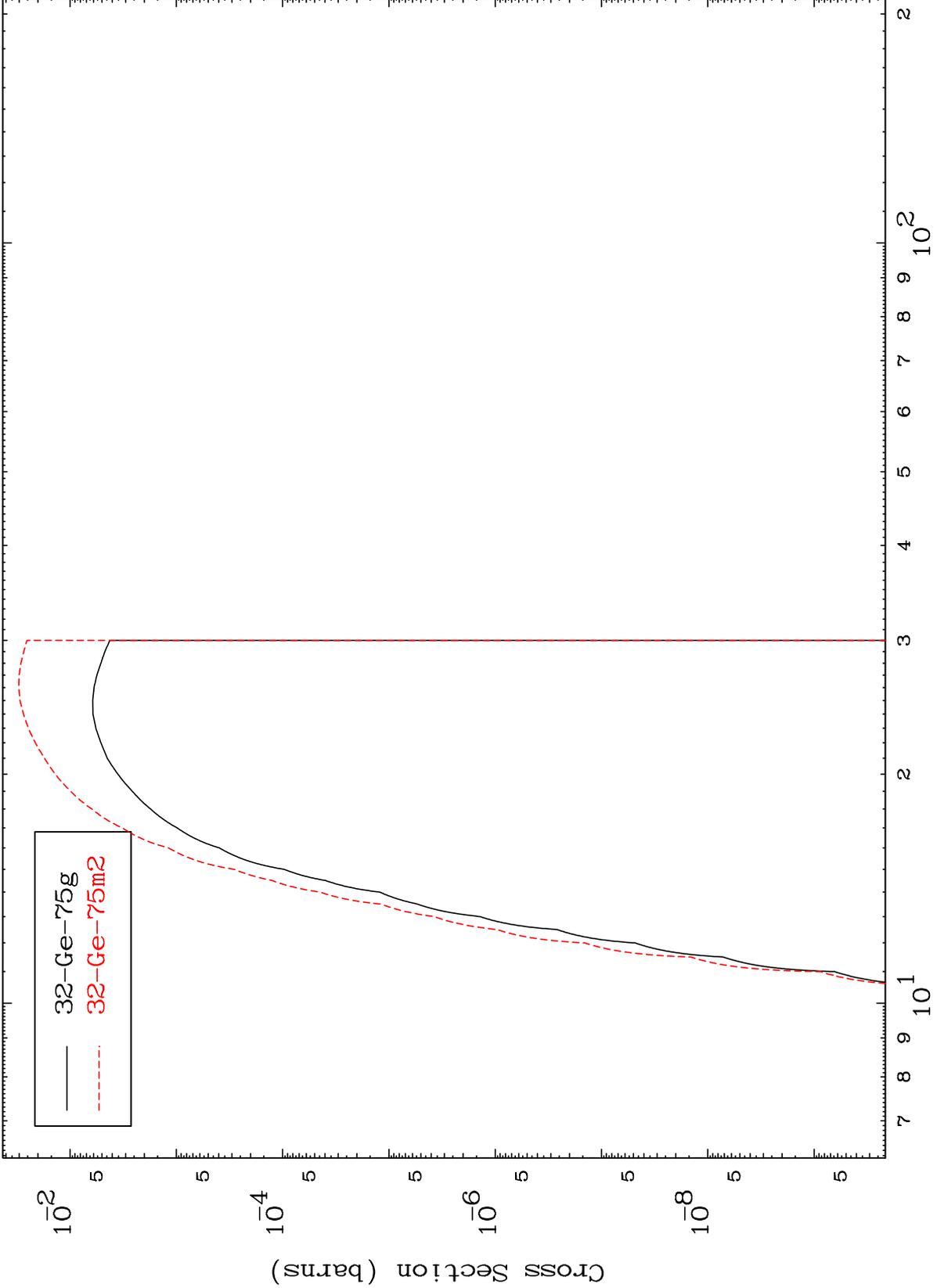
³⁴Se-79

MAT 3440

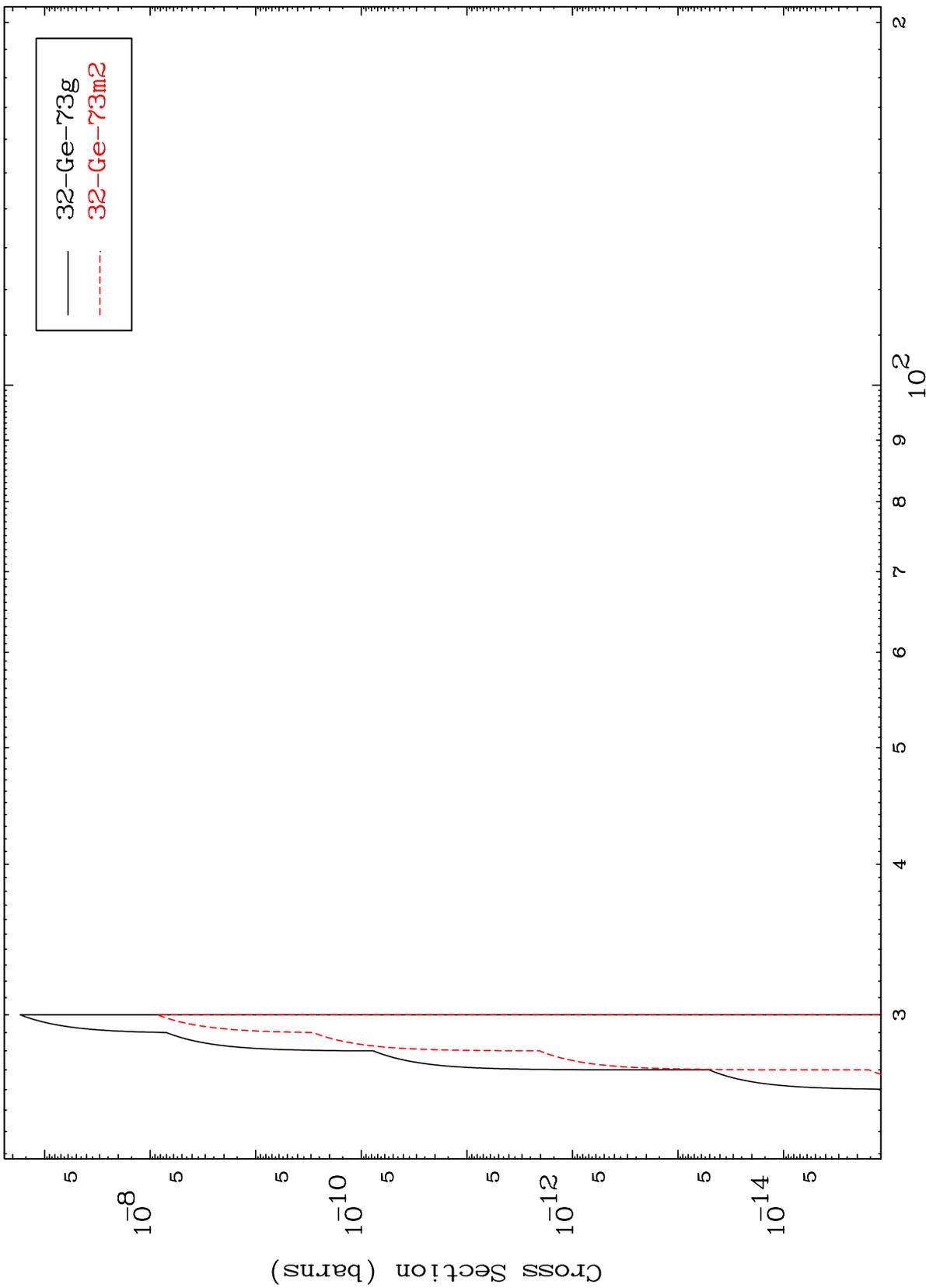
$(n, n') \alpha$

$^{34}\text{Se-79}$

Radionuclide Production Cross Section



Radionuclide Production Cross Section

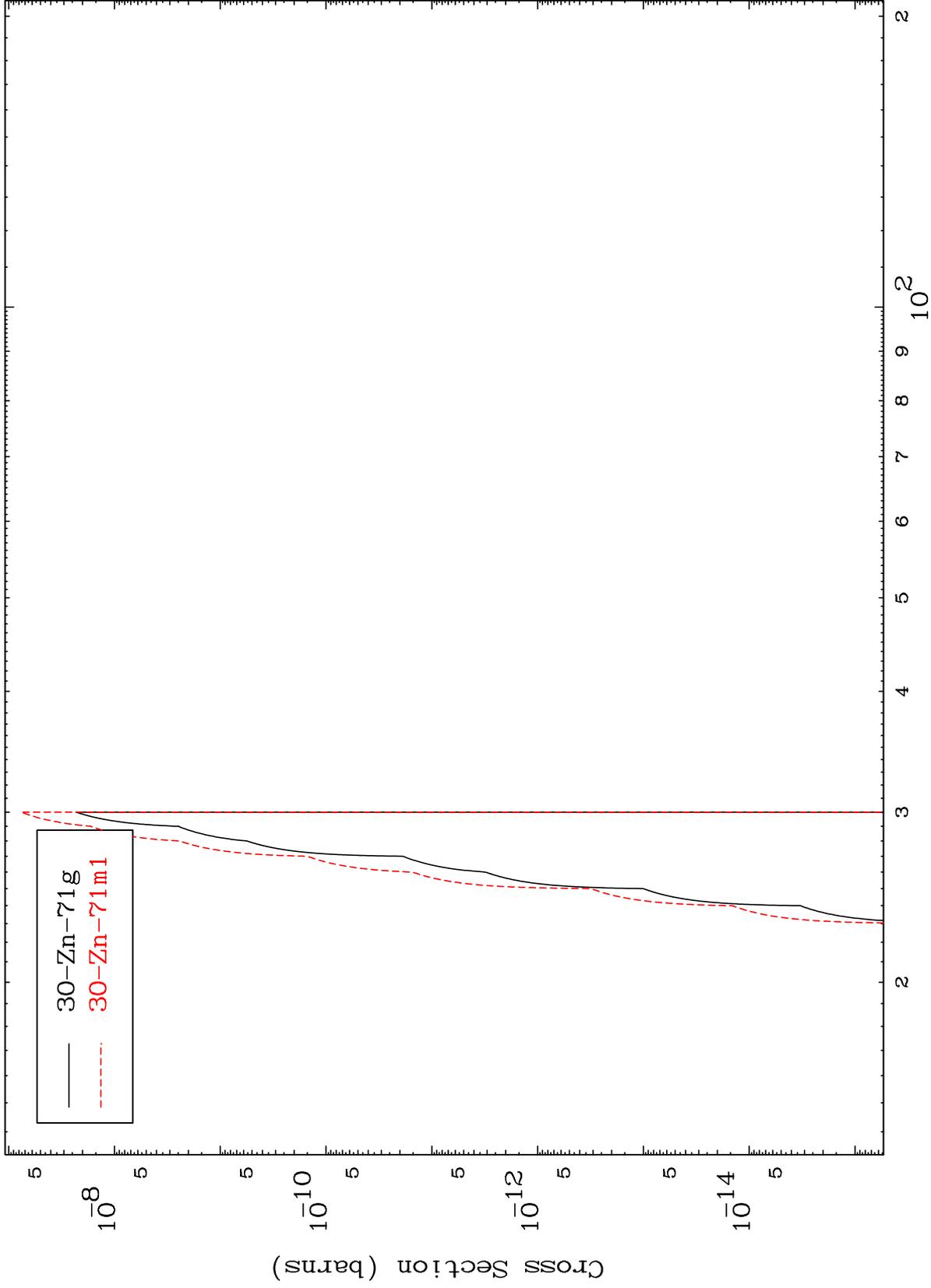


MAT 3440

(n,n') 2 α

34-Se-79

Radionuclide Production Cross Section



124

Incident Energy (MeV)

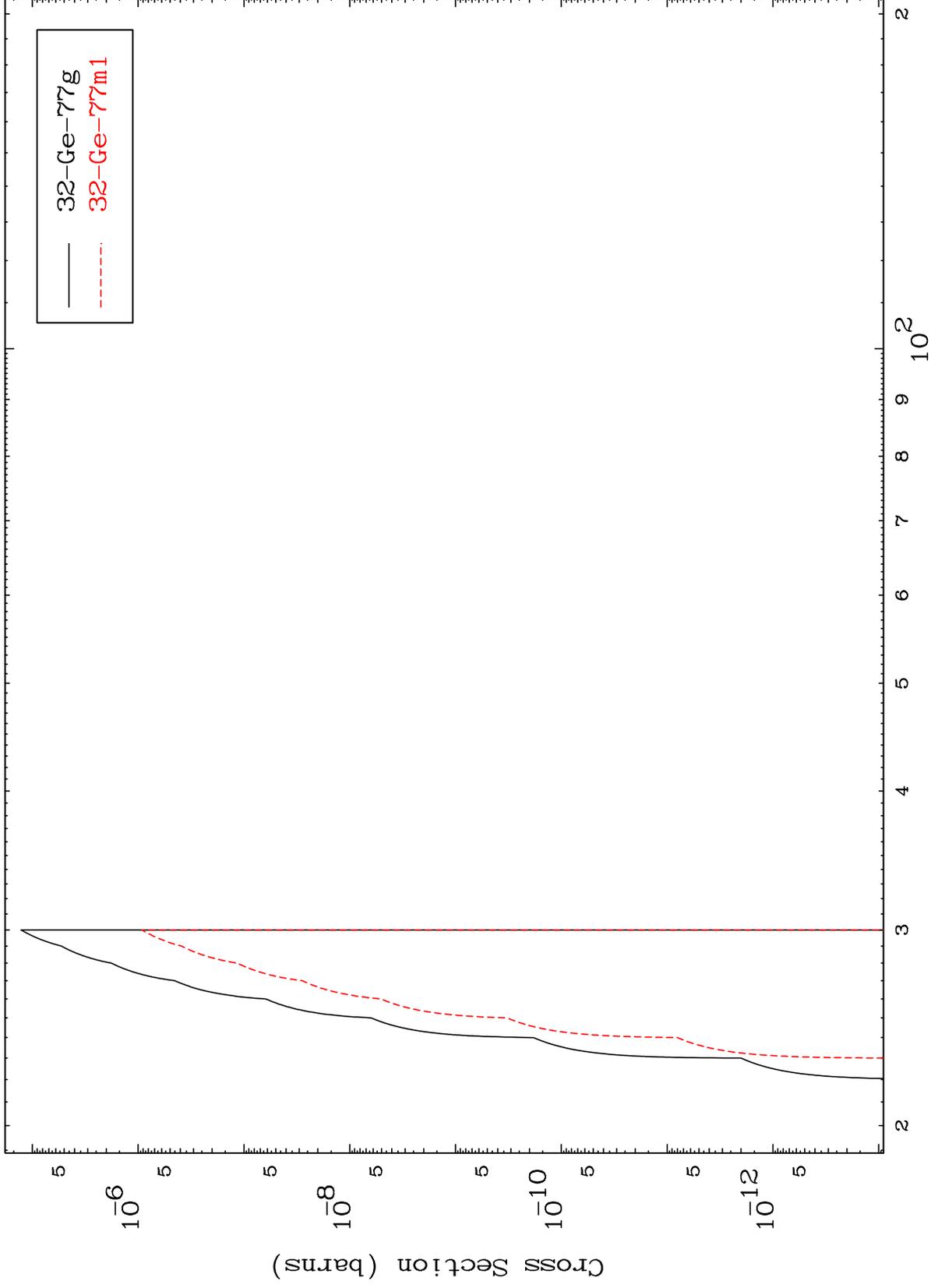
34-Se-79

MAT 3440

(n,2n) p

³⁴Se-79

Radionuclide Production Cross Section



125

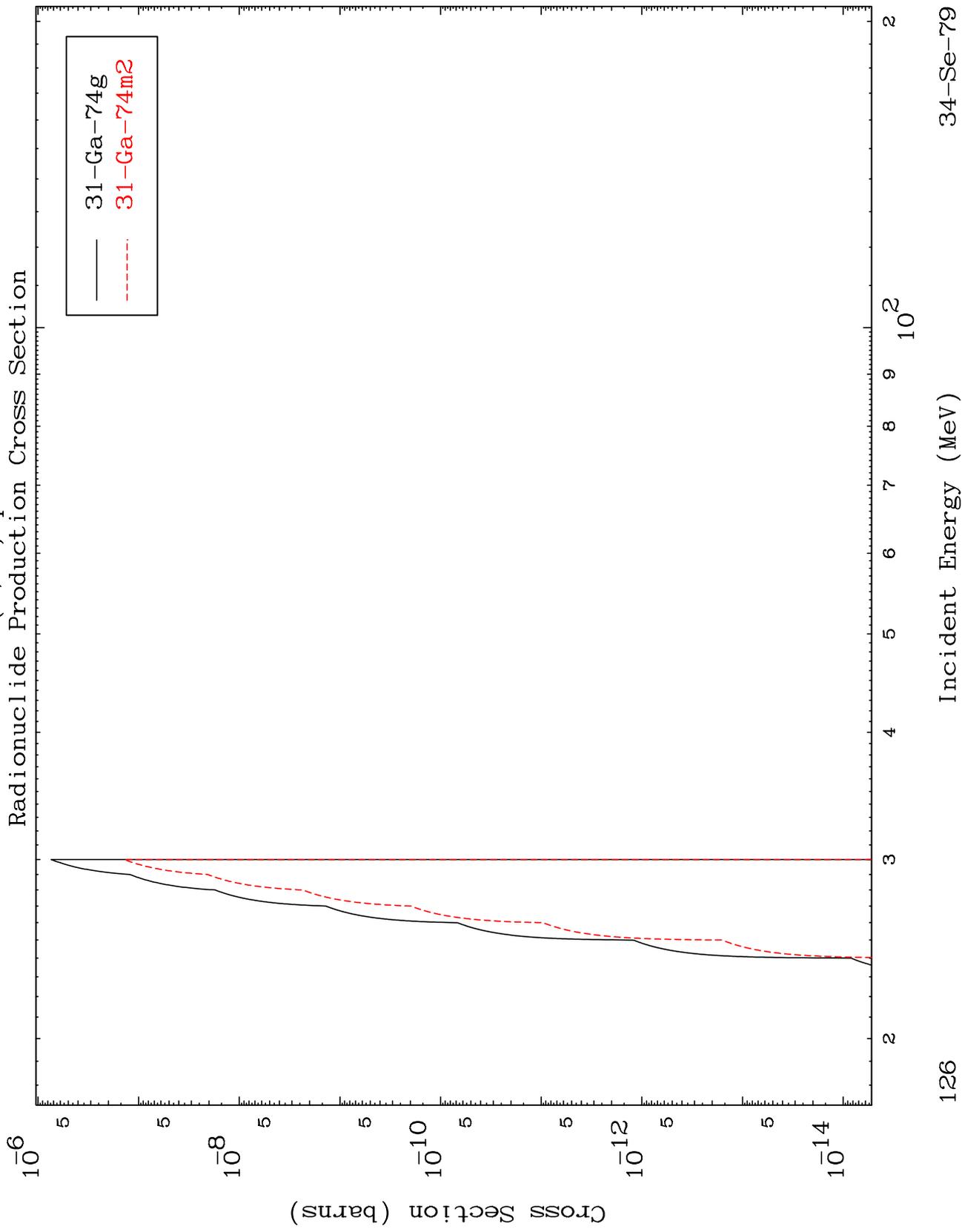
Incident Energy (MeV)

³⁴Se-79

MAT 3440

(n,n') p α

34-Se-79



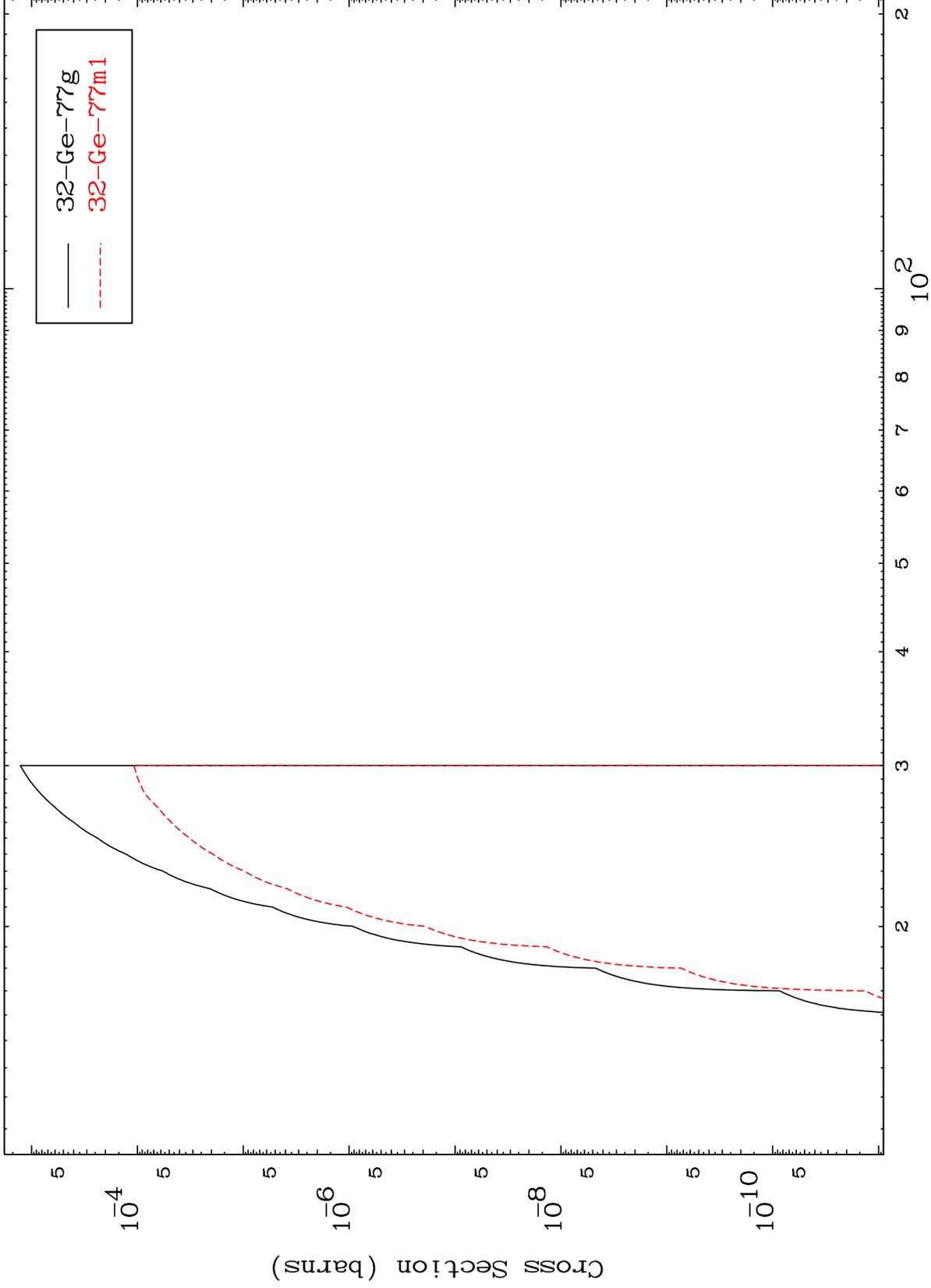
126

MAT 3440

(n,He-3)

34-^{Se-79}

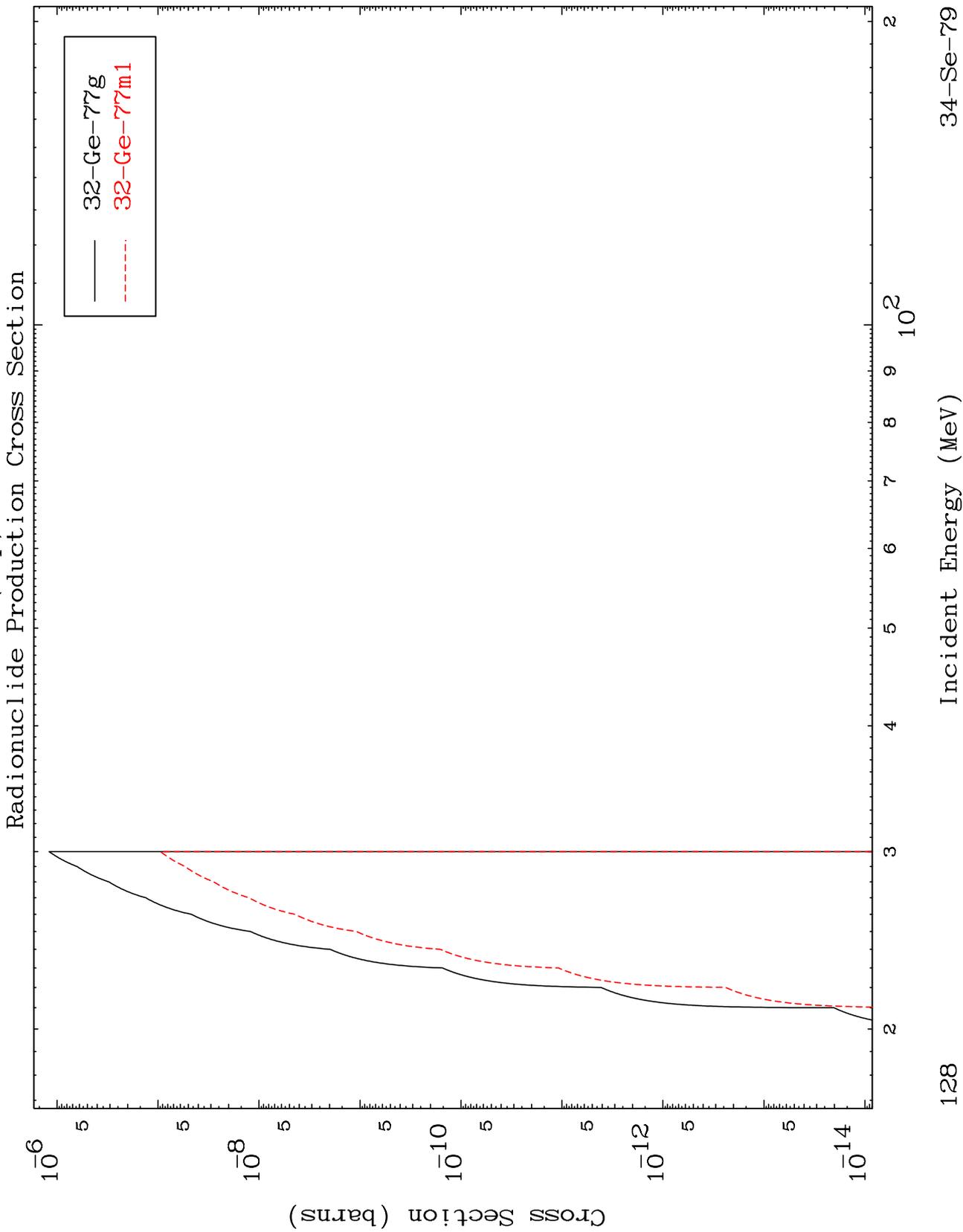
Radionuclide Production Cross Section



127

Incident Energy (MeV)

34-^{Se-79}

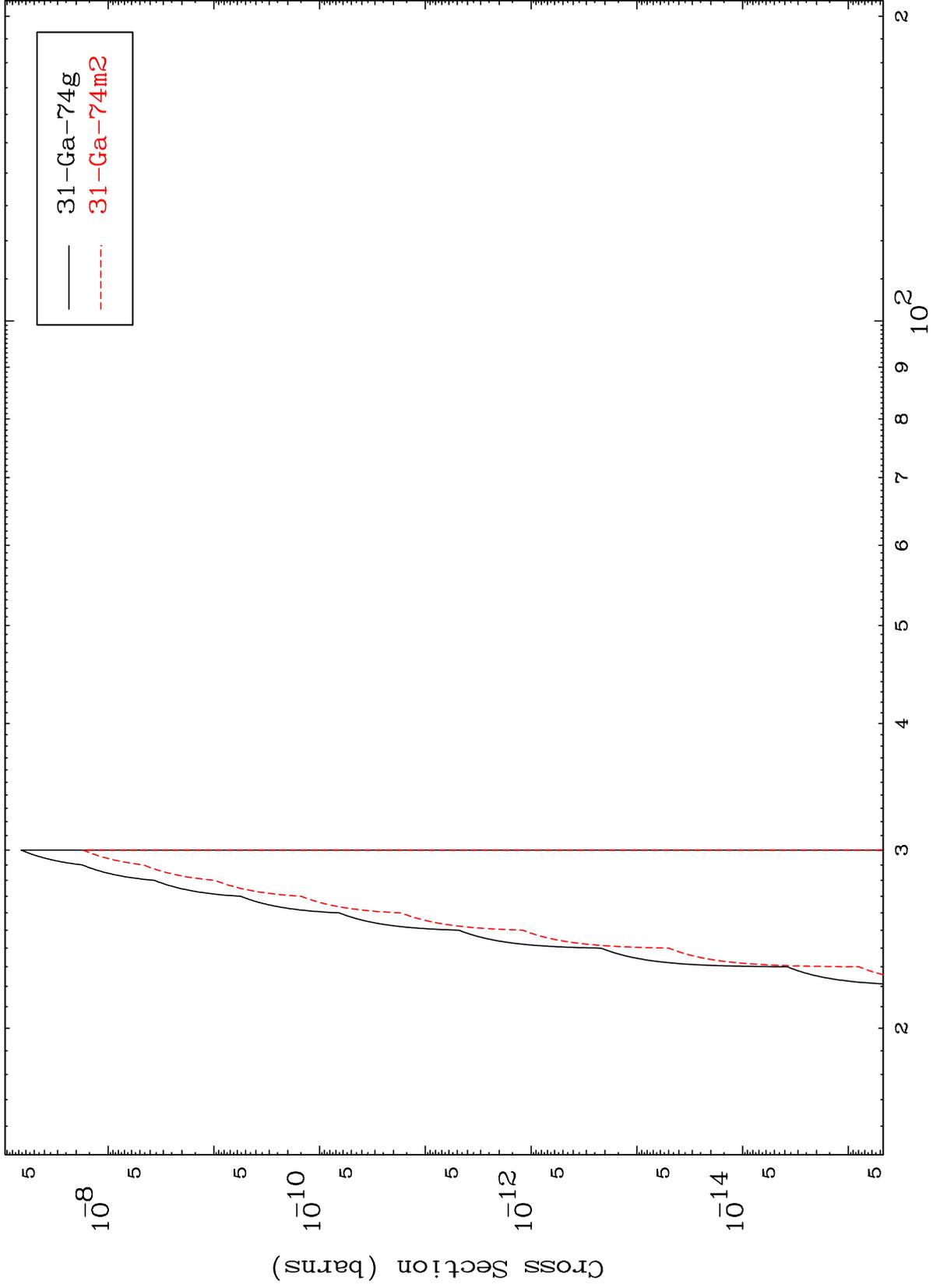


MAT 3440

(n,d) α

³⁴Se-79

Radionuclide Production Cross Section



129

Incident Energy (MeV)

³⁴Se-79