

Program EVALPLOT
(Version 2017-1)

by

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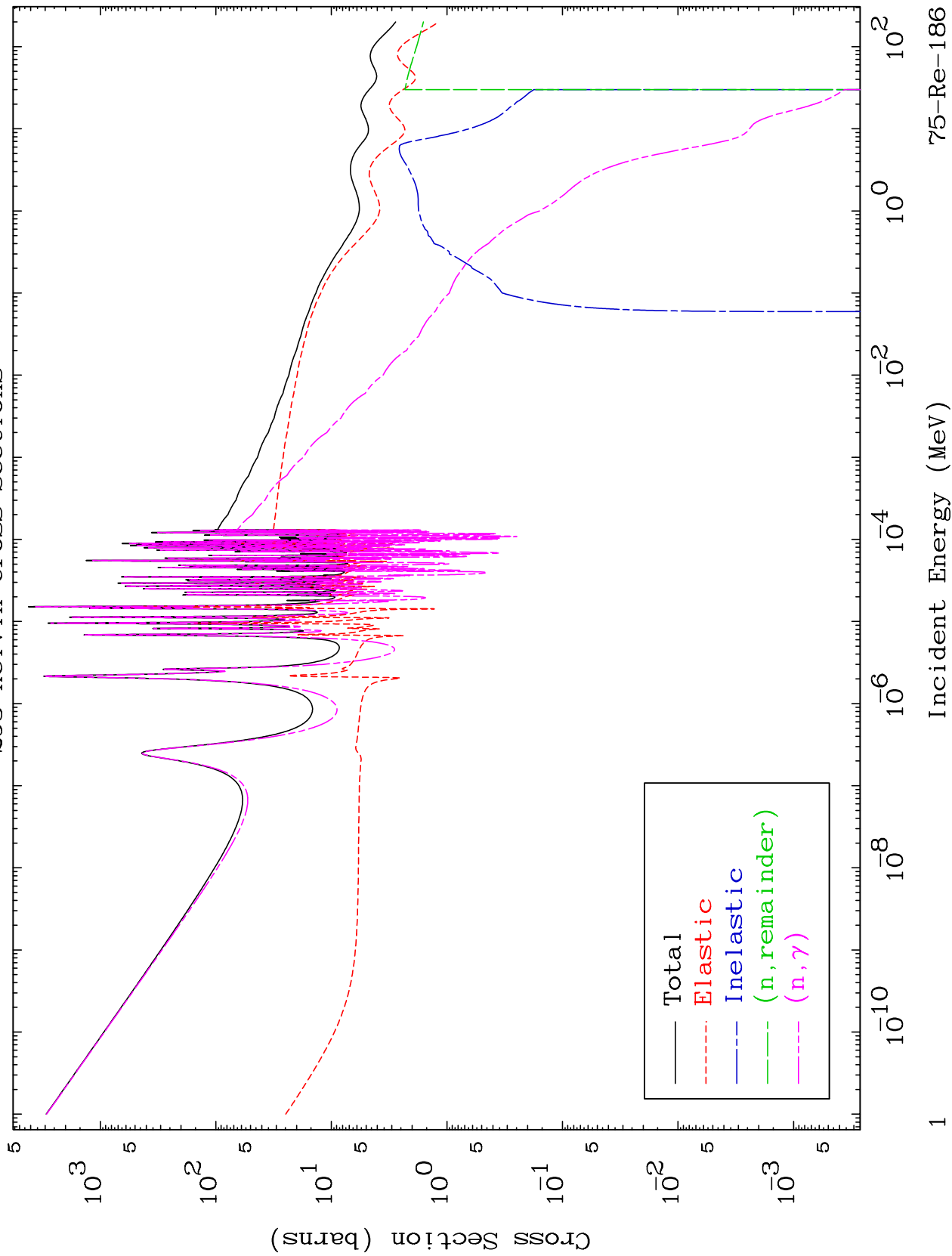
Press Mouse Button to Start

MAT 7528

Major

293 Kelvin Cross Sections

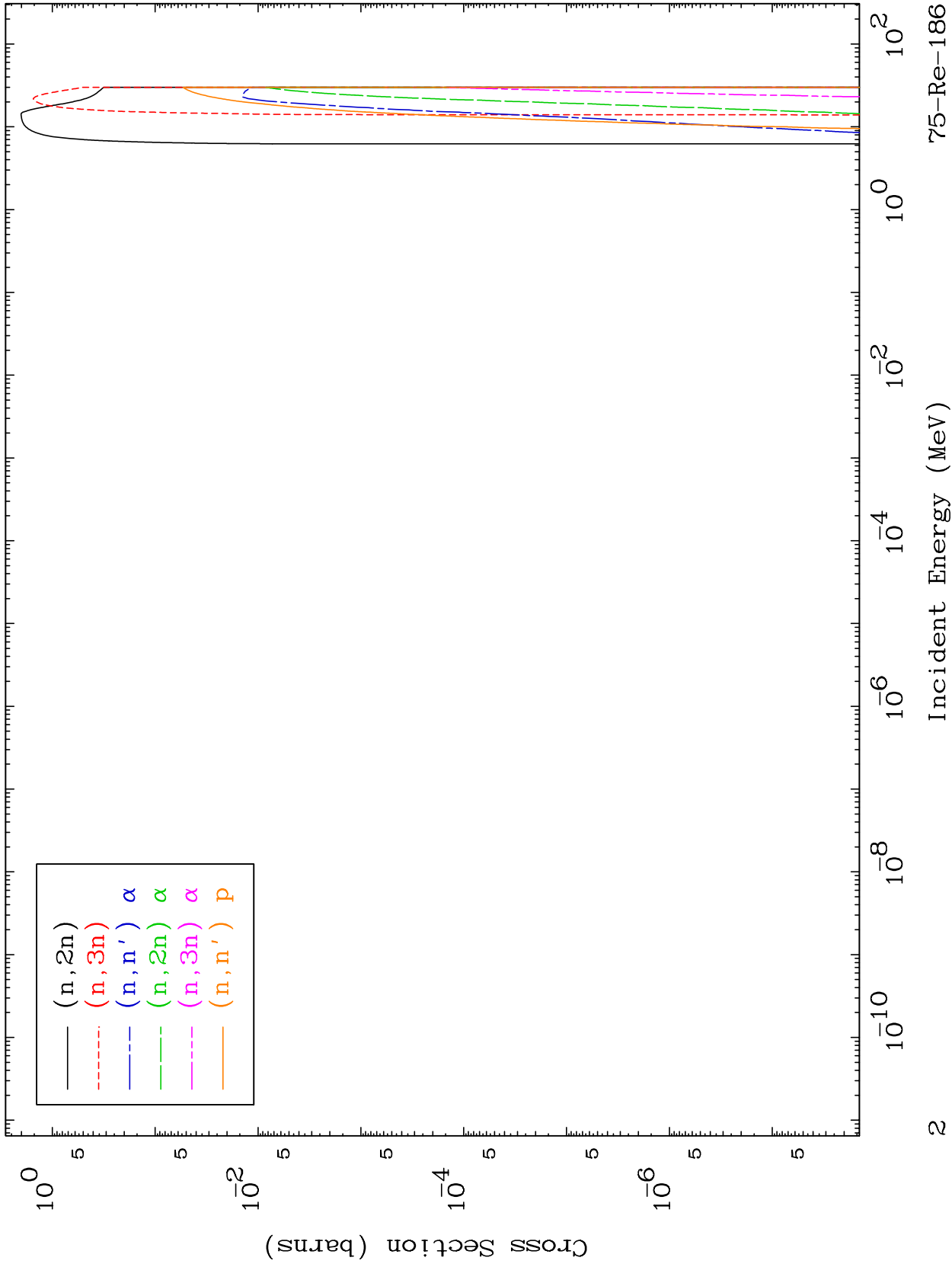
75-Re-186

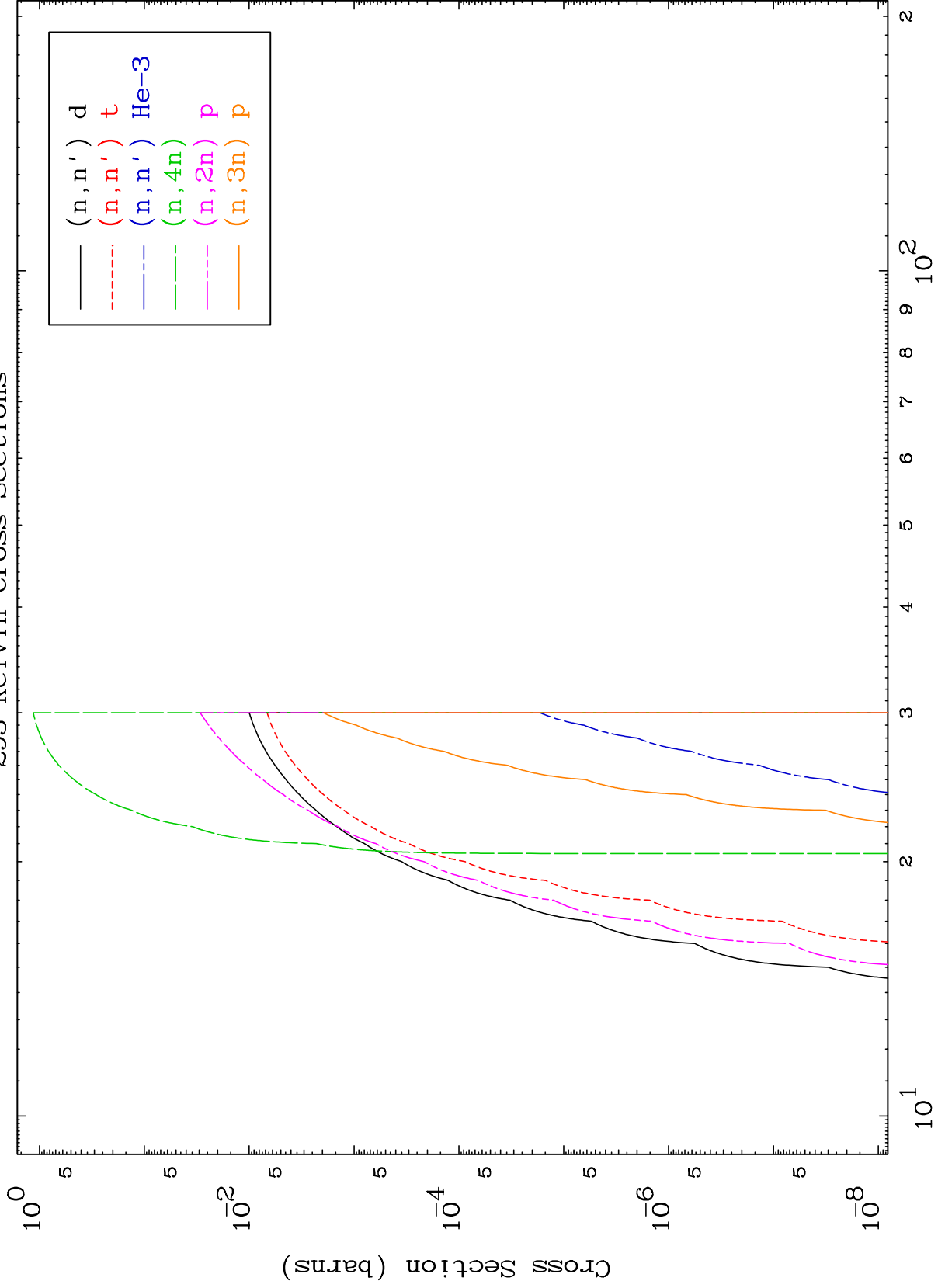


MAT 7528

Neutron Production
293 Kelvin Cross Sections

75-Re-186

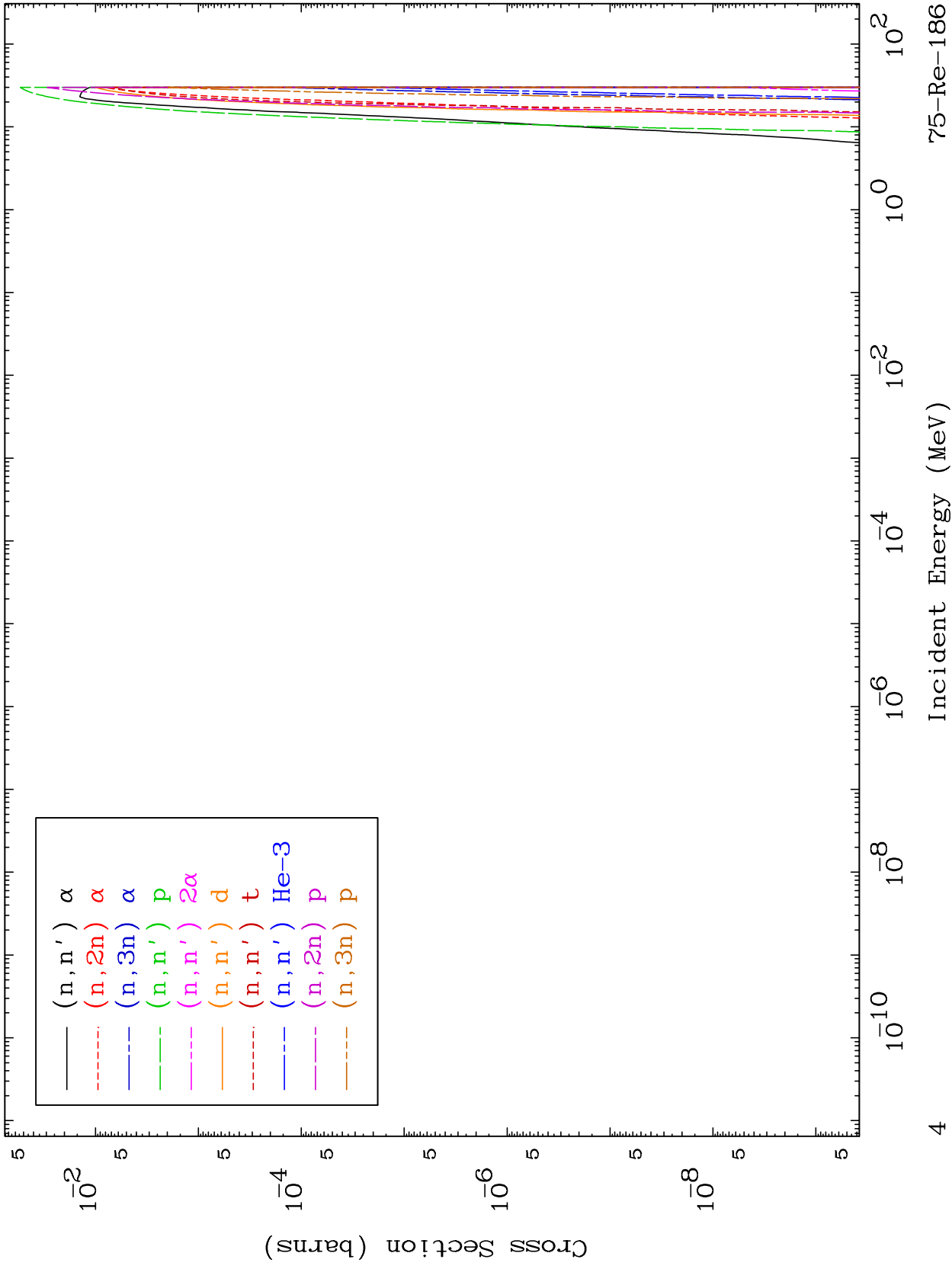




MAT 7528

Charged Particle
293 Kelvin Cross Sections

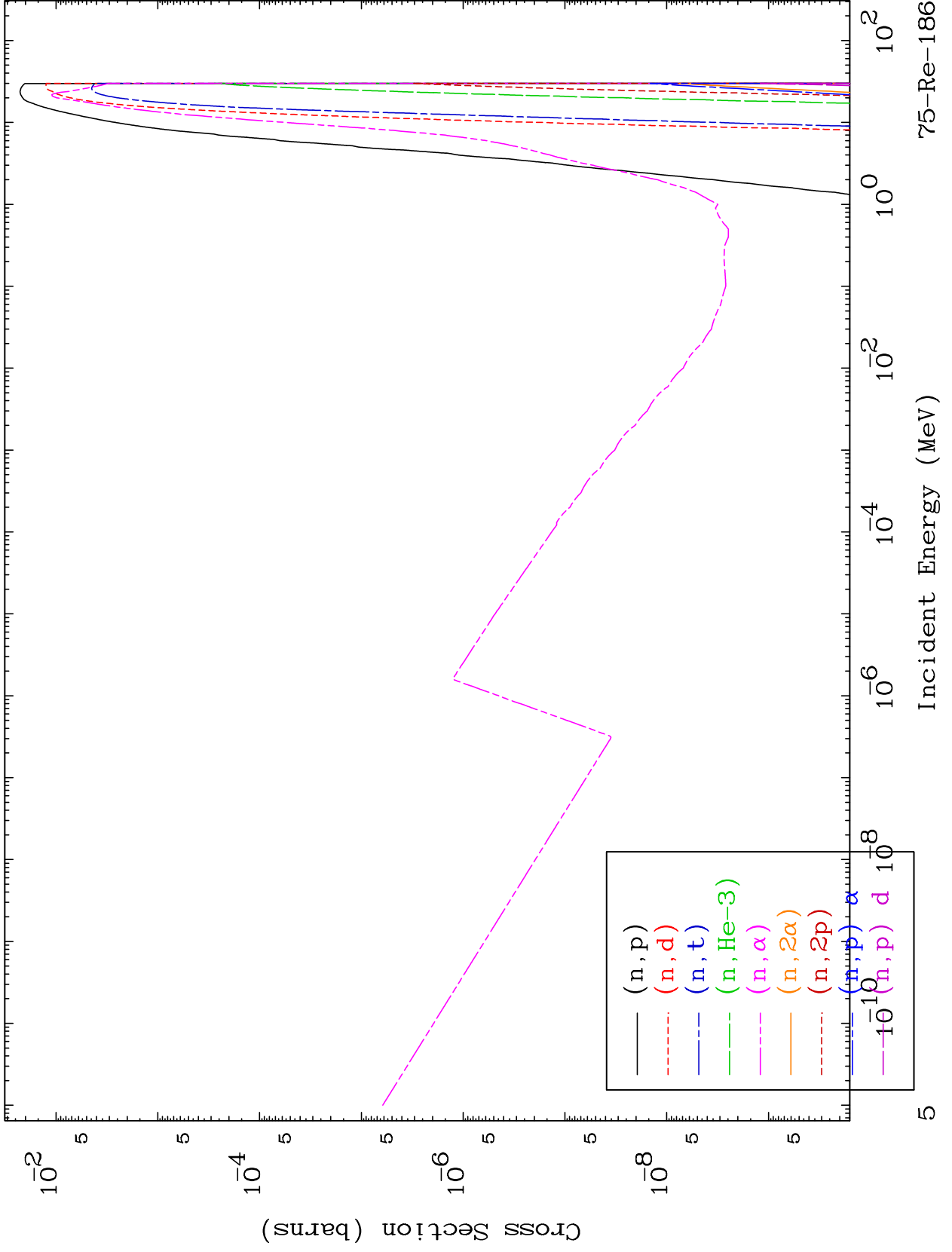
75-Re-186

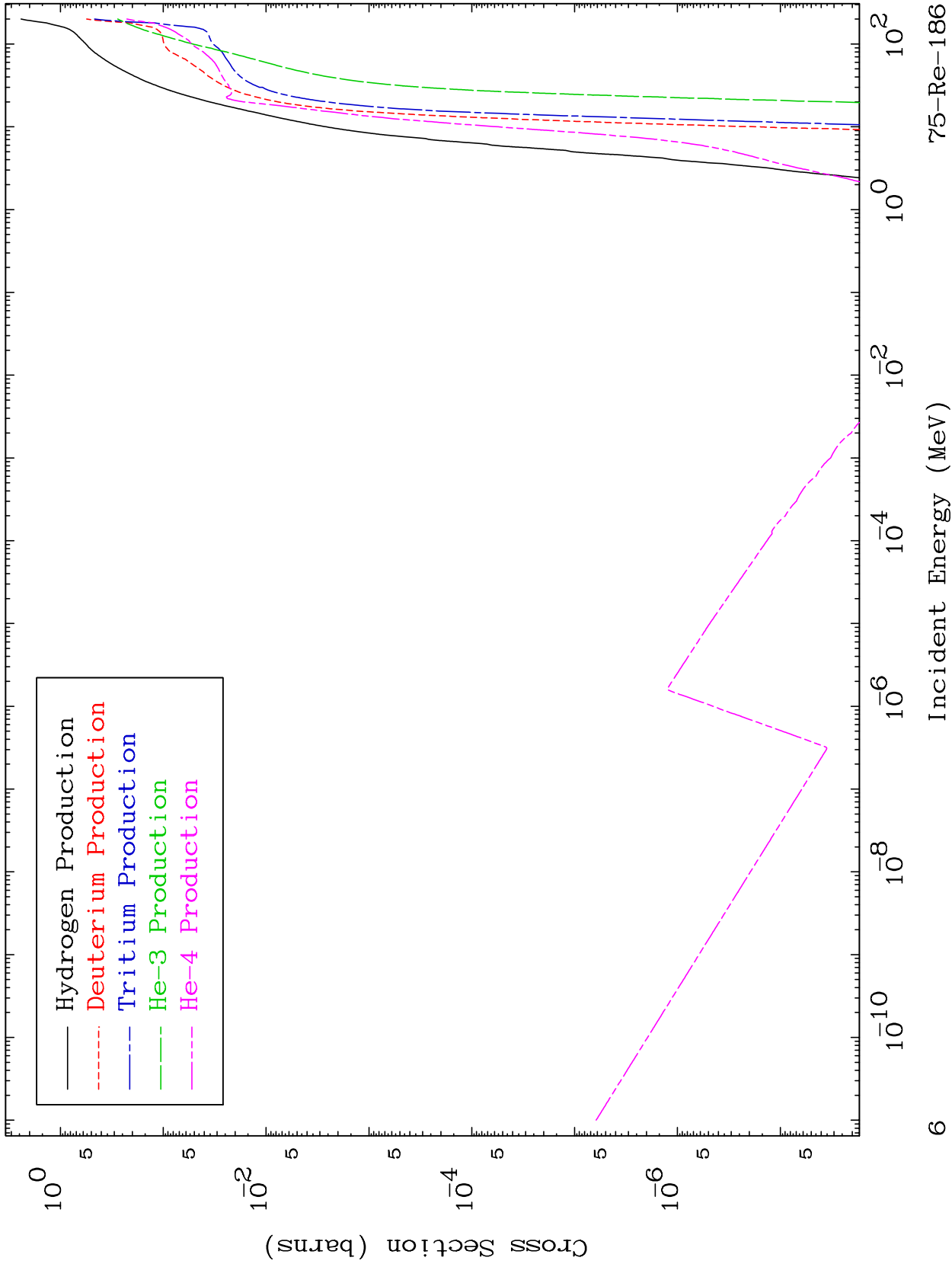


MAT 7528

Charged Particle
293 Kelvin Cross Sections

75-Re-186



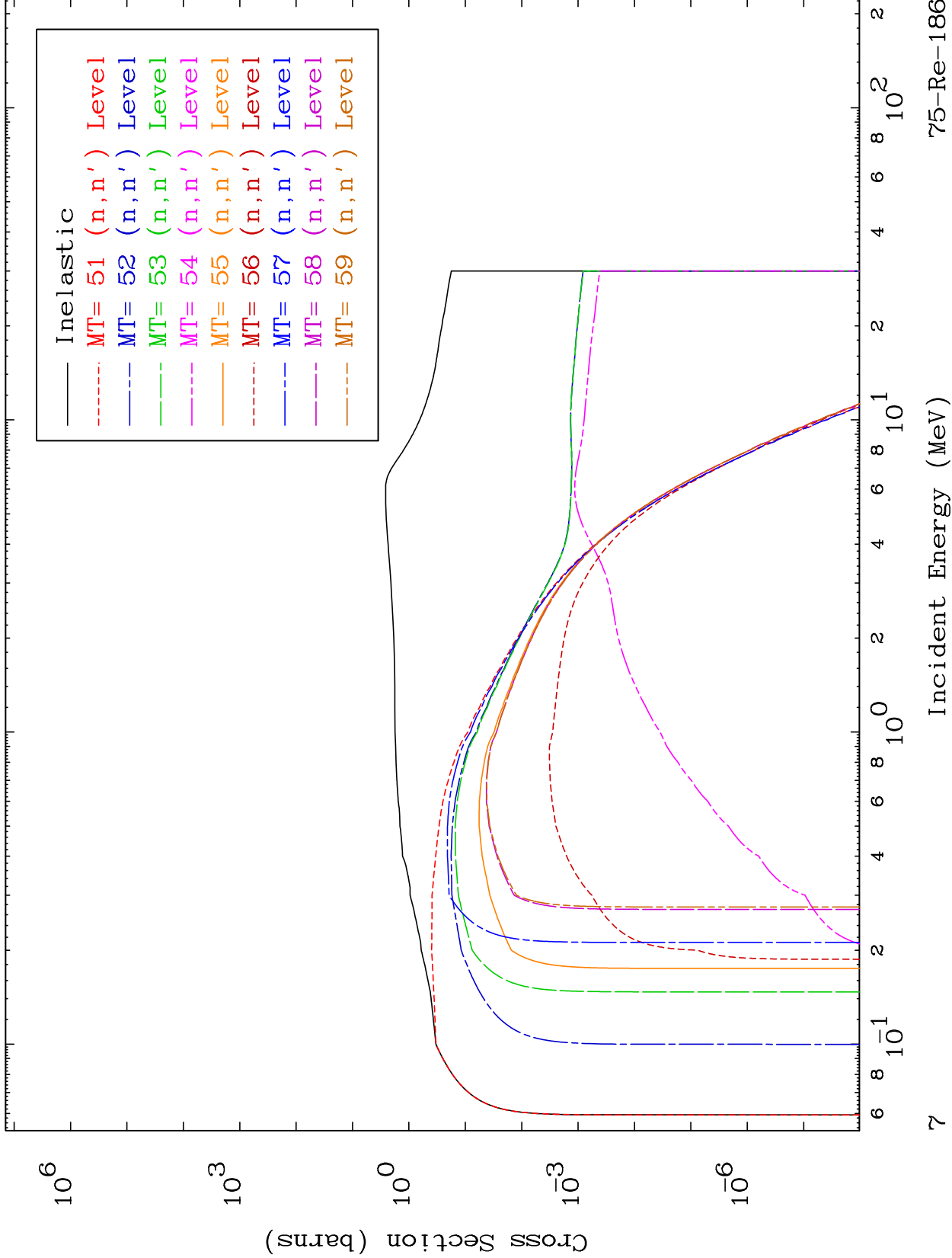


MAT 7528

(n,n') Level

75-Re-186

293 Kelvin Cross Sections

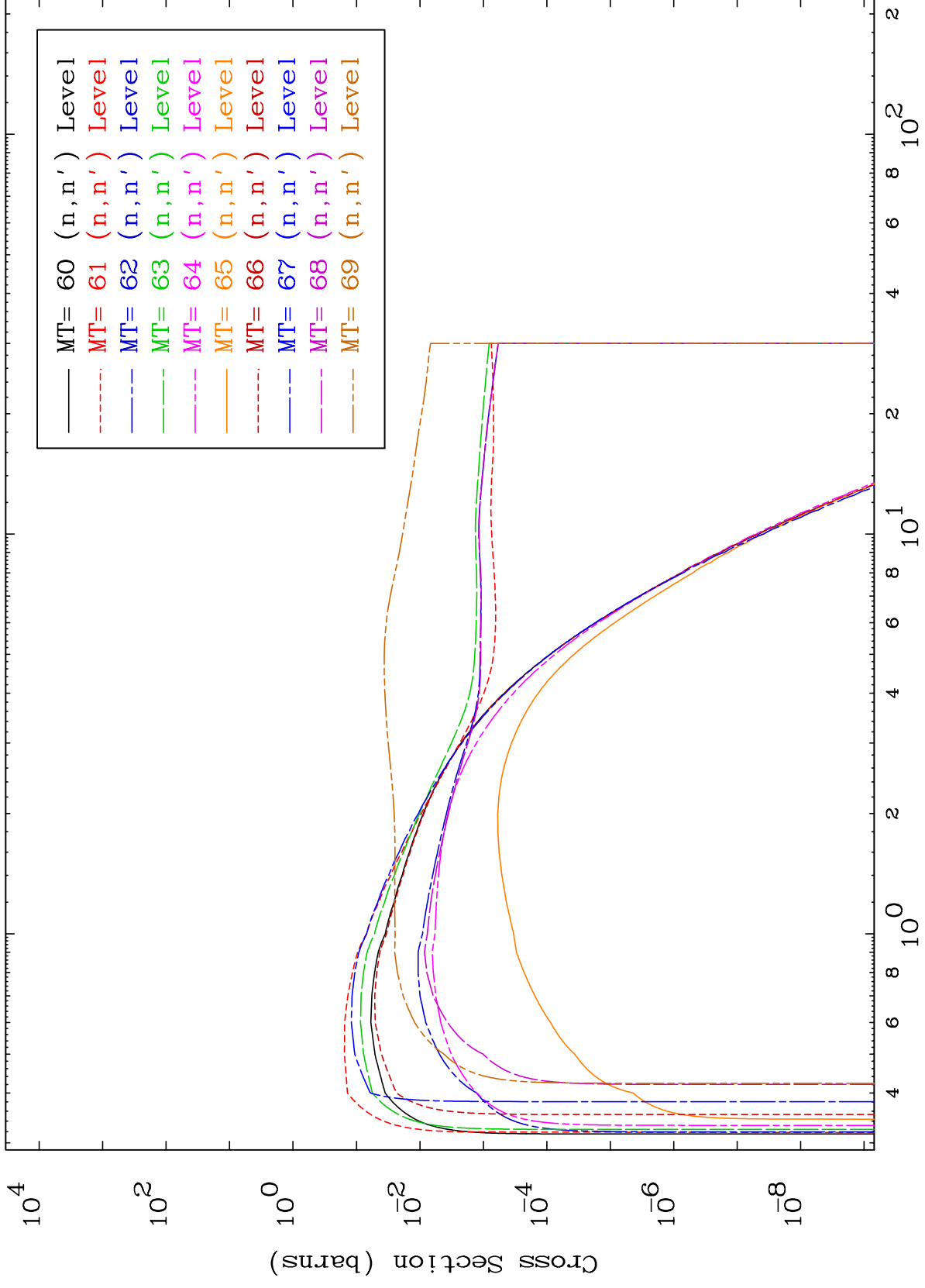


MAT 7528

(n,n') Level

75-Re-186

293 Kelvin Cross Sections



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Incident Energy (MeV)

75-Re-186

MAT 7528

(n,n') Level

75-Re-186

293 Kelvin Cross Sections

10^6

10^4

10^2

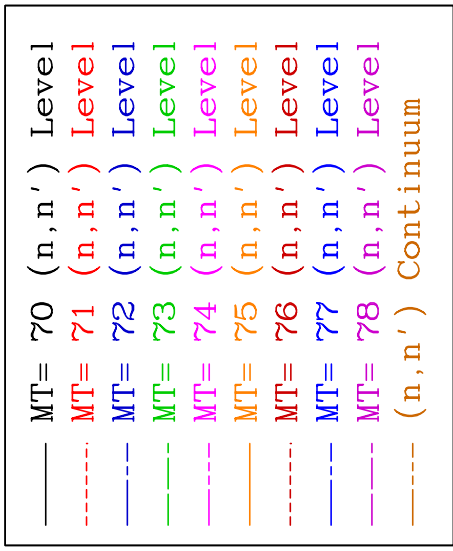
10^0

10^{-2}

10^{-4}

10^{-6}

Cross Section (barns)



4 6 8 10⁰ 2 4 6 8 10¹ 2 4 6 8 10² 2

Incident Energy (MeV)

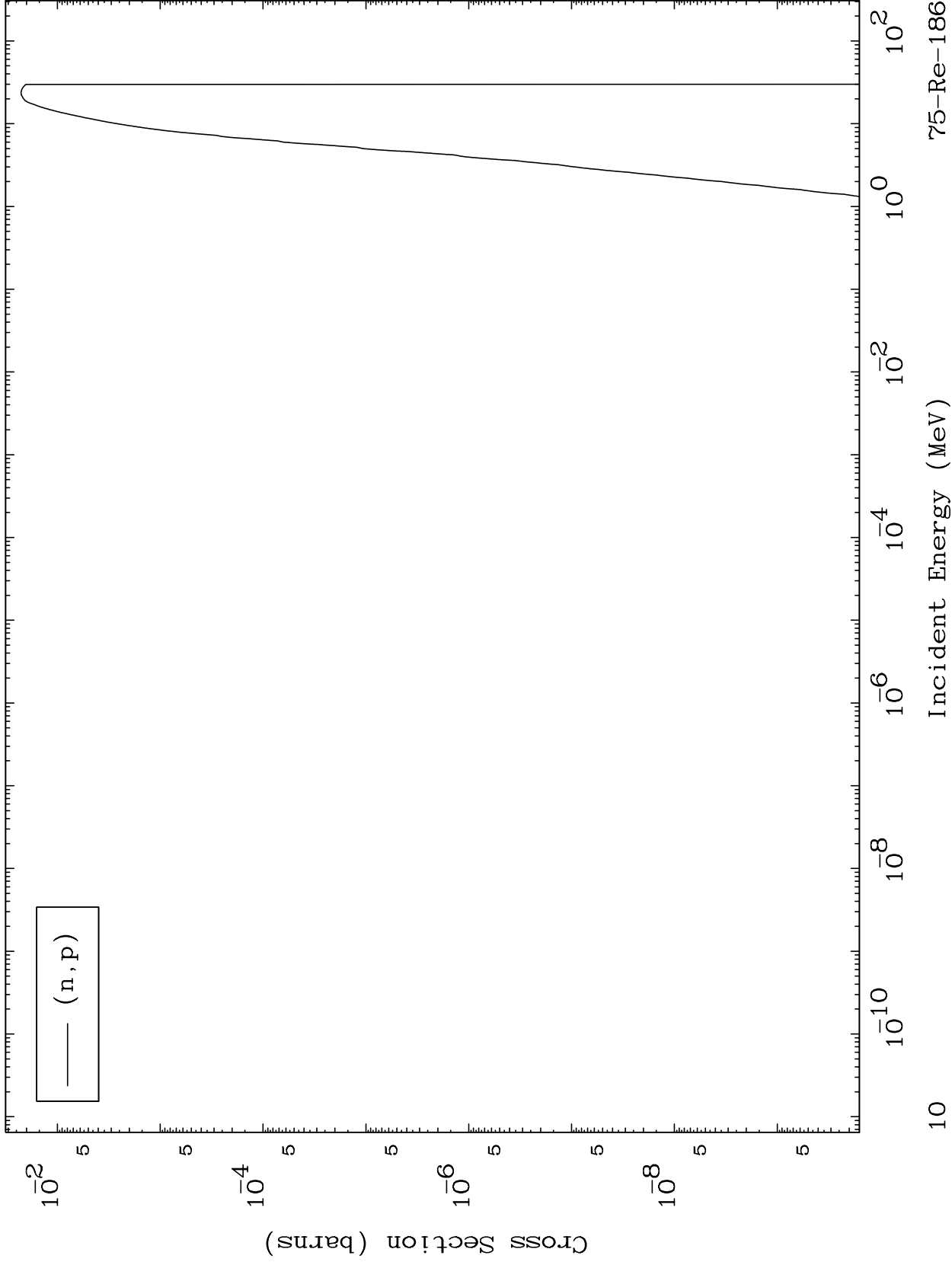
9

75-Re-186

MAT 7528

(n,p) Levels
293 Kelvin Cross Sections

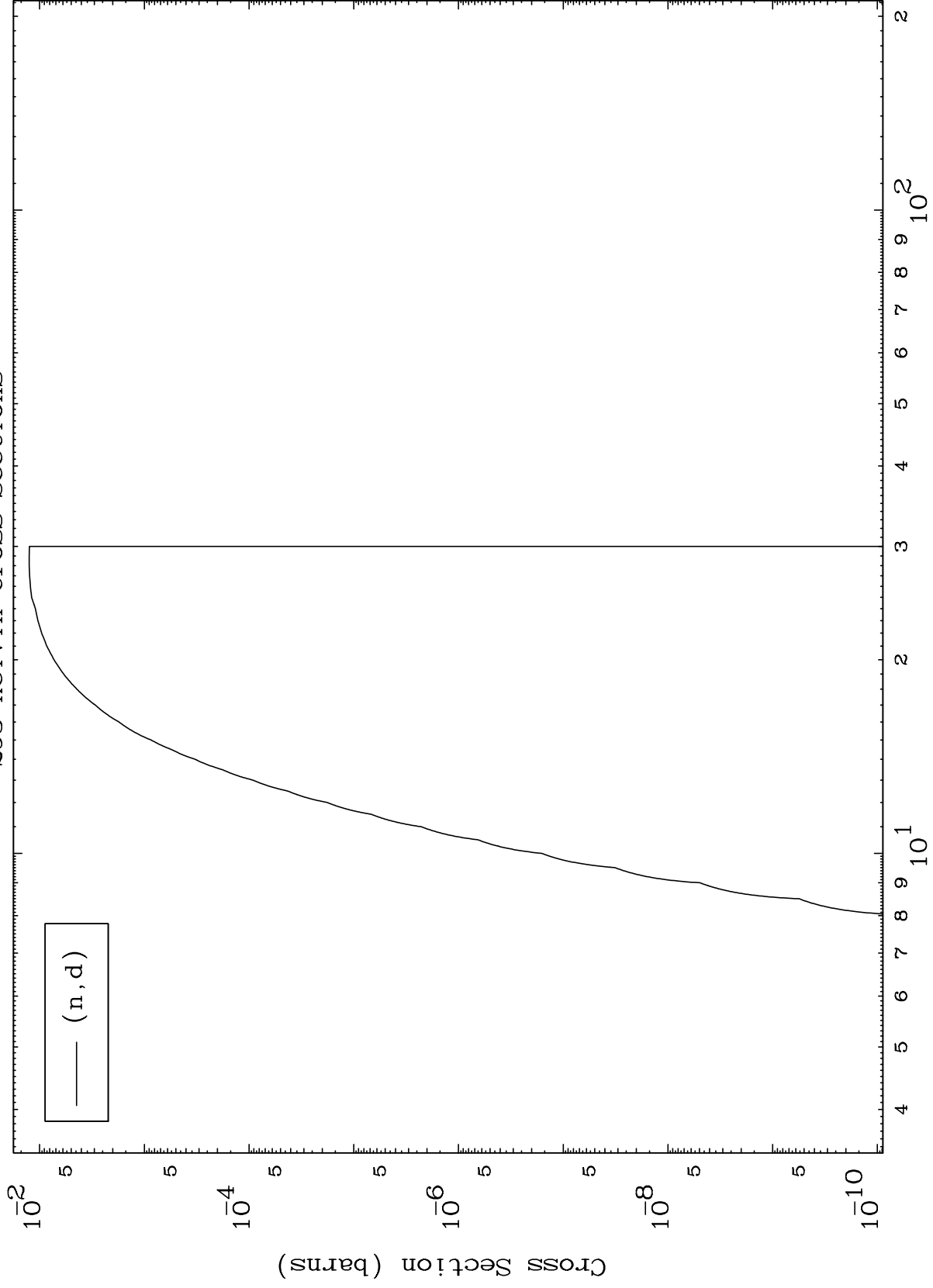
75-Re-186



MAT 7528

(n,d) Levels
293 Kelvin Cross Sections

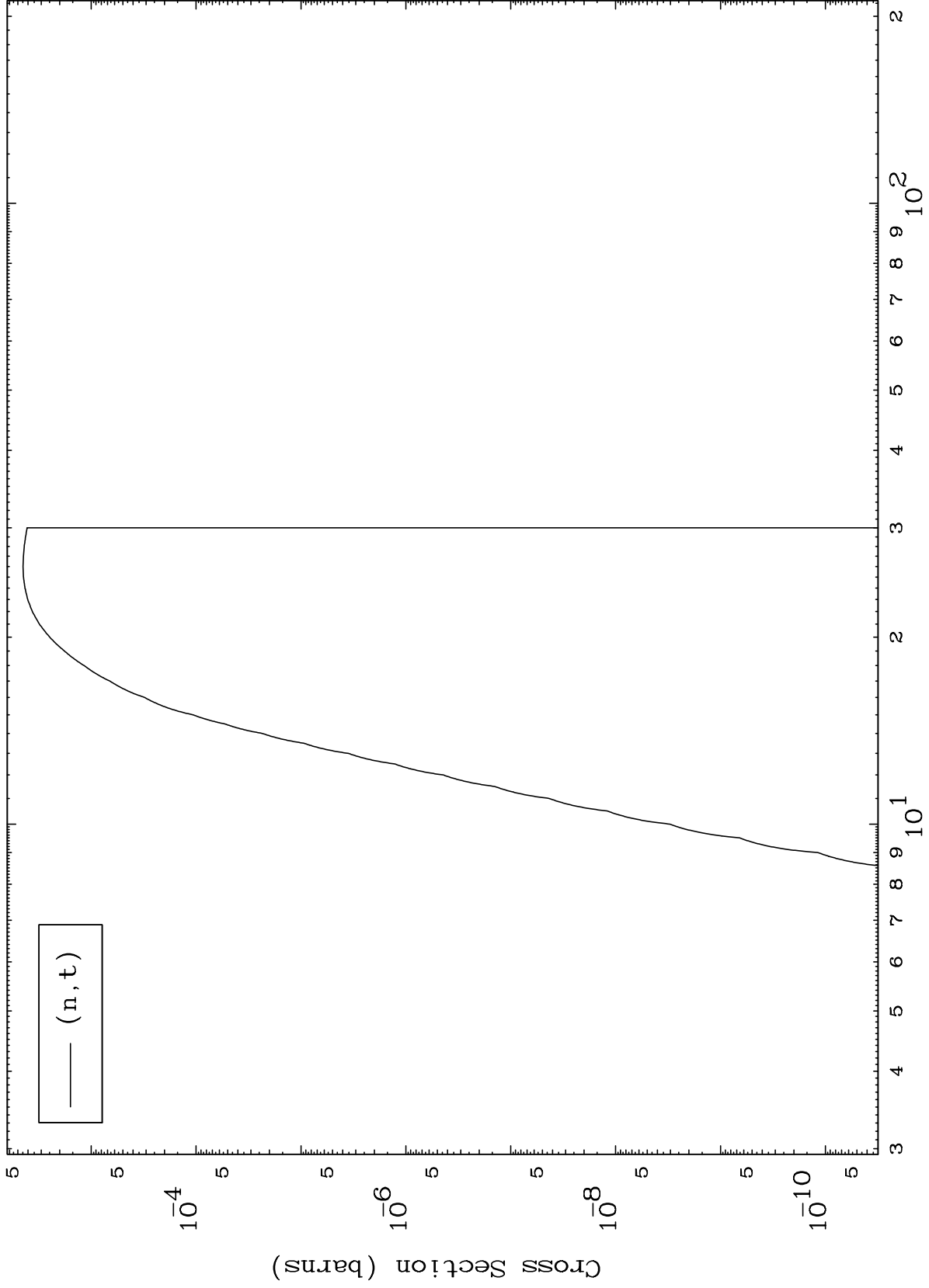
75-Re-186



MAT 7528

(n,t) Levels
293 Kelvin Cross Sections

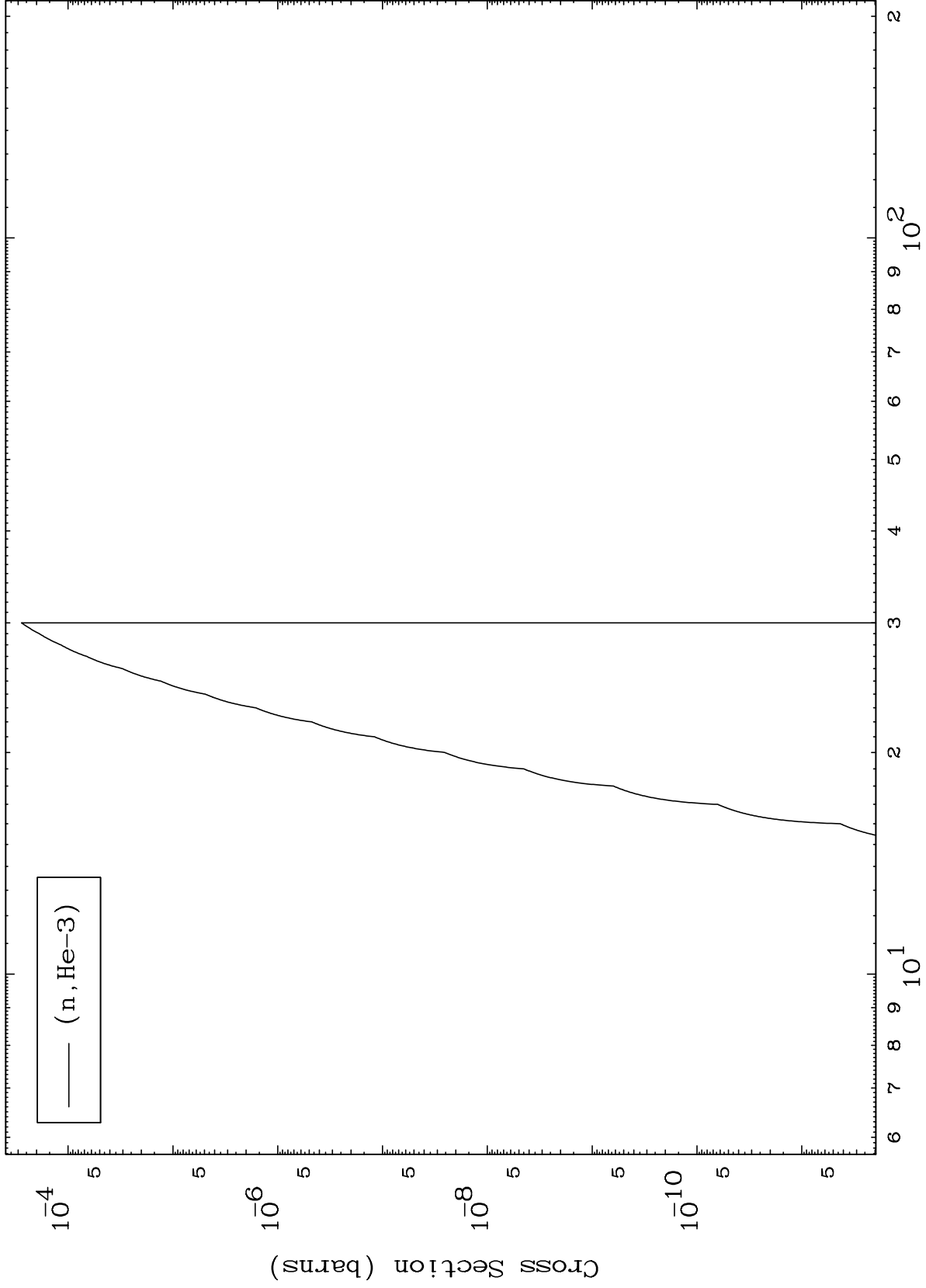
75-Re-186



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Incident Energy (MeV)

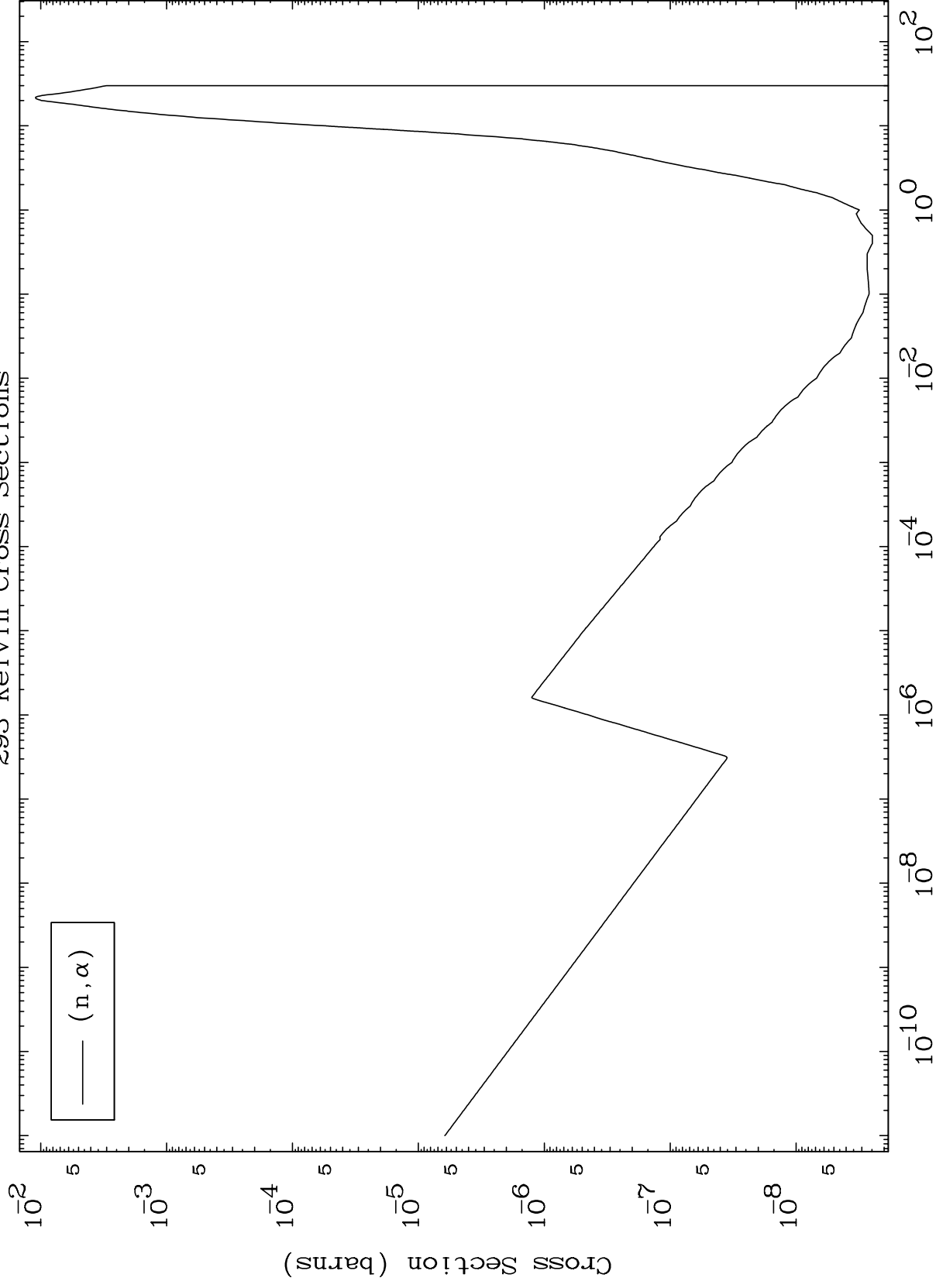
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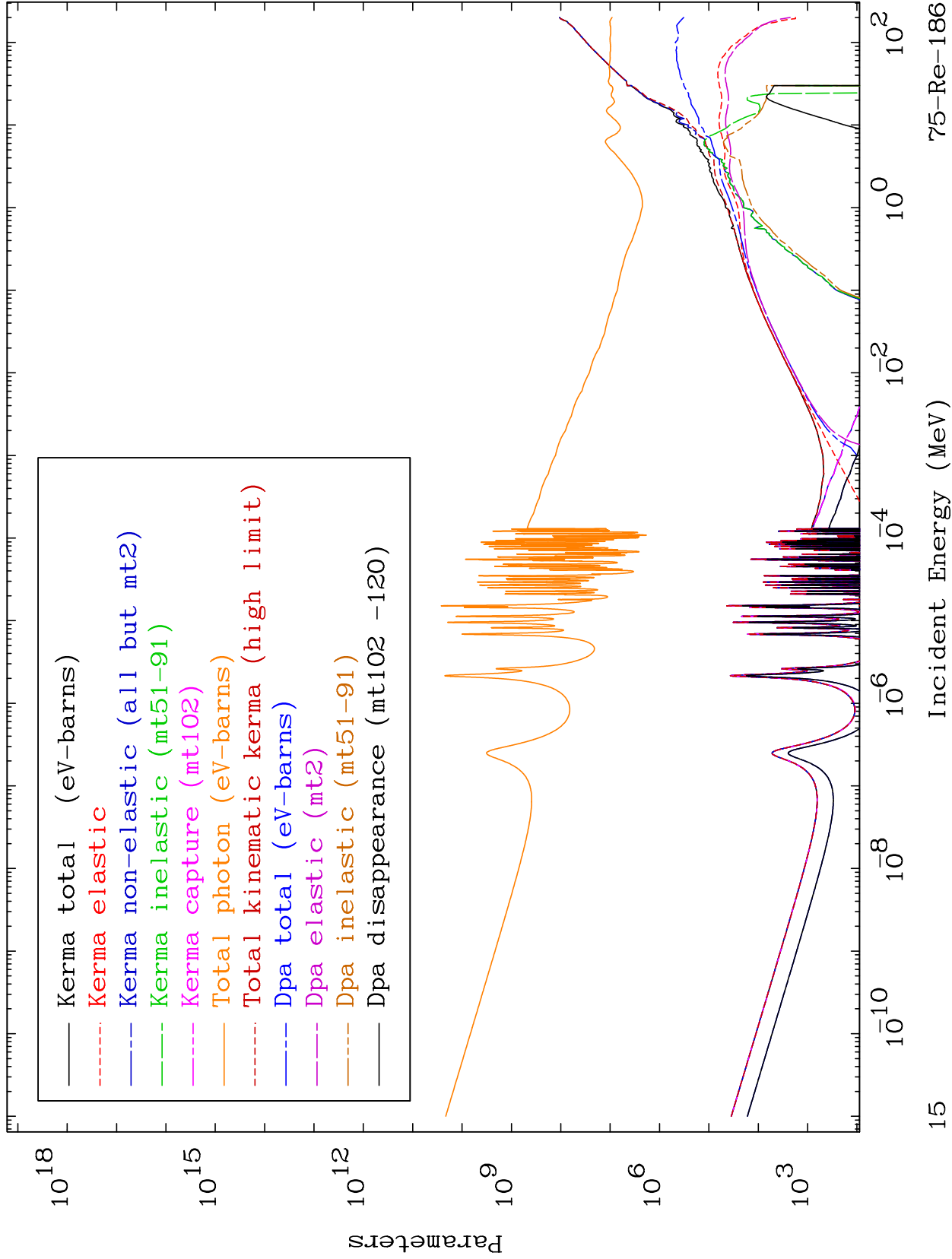


MAT 7528

(n, α) Levels
293 Kelvin Cross Sections

75-Re-186

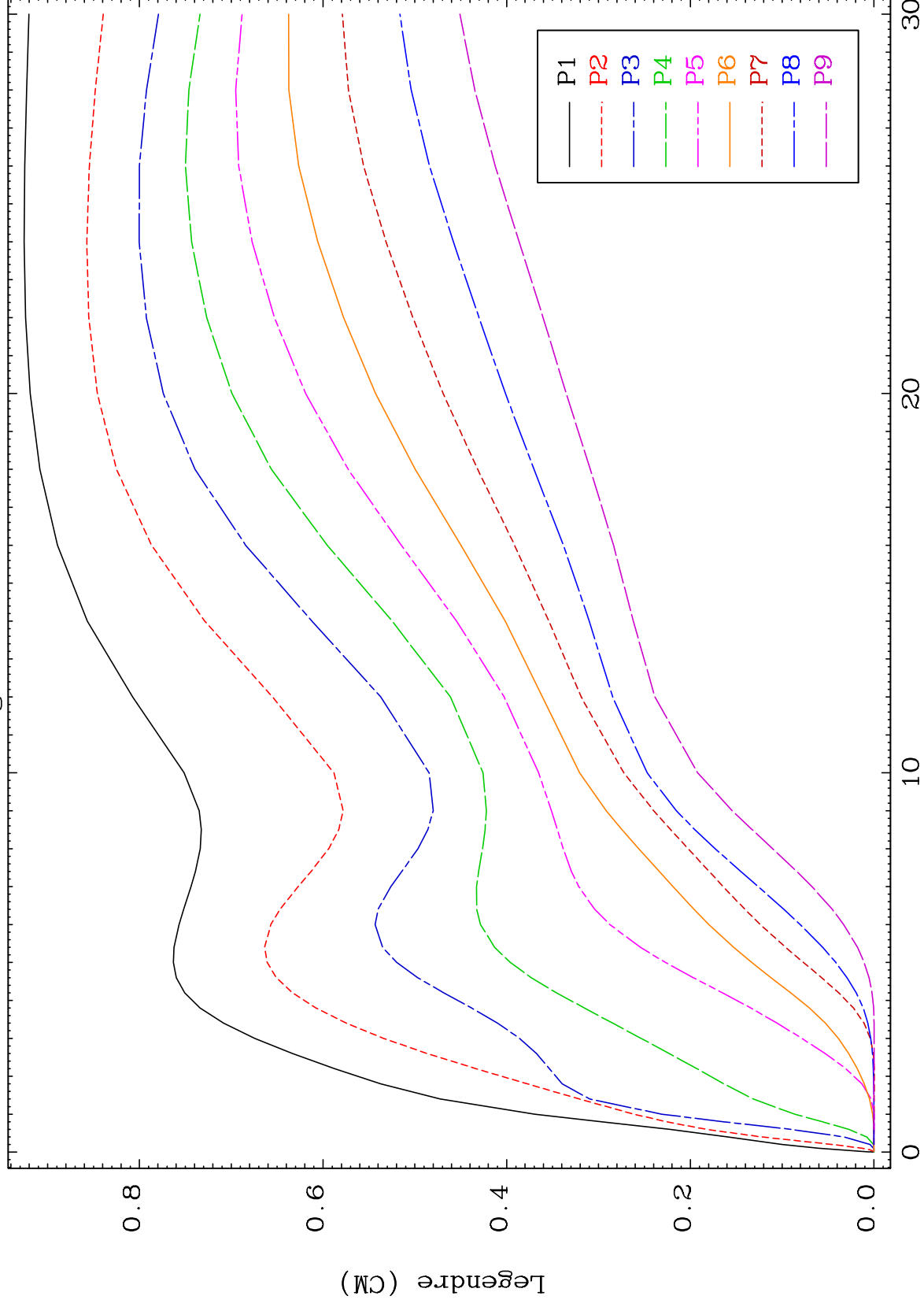




MAT 7528

Elastic Legendre Coefficients

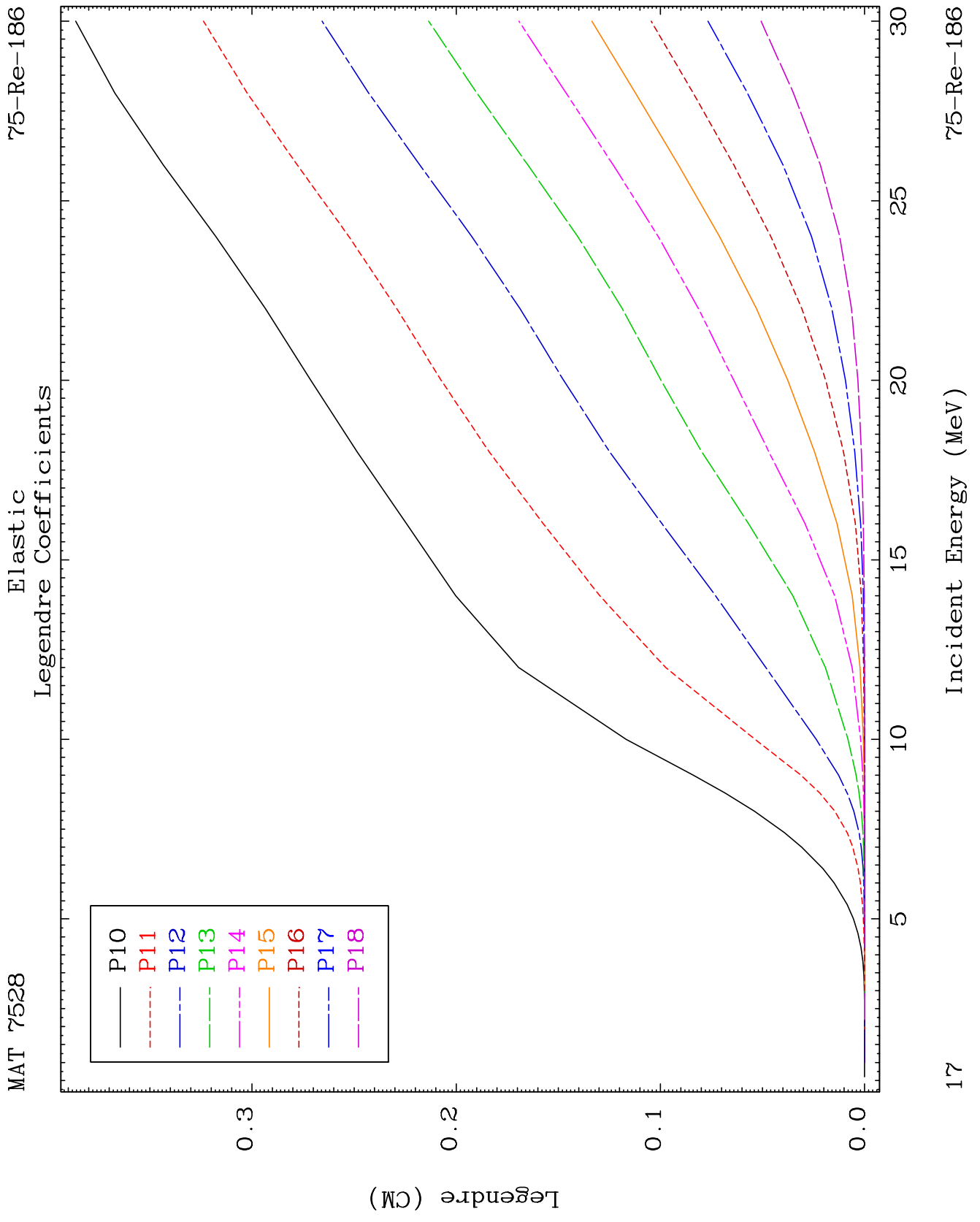
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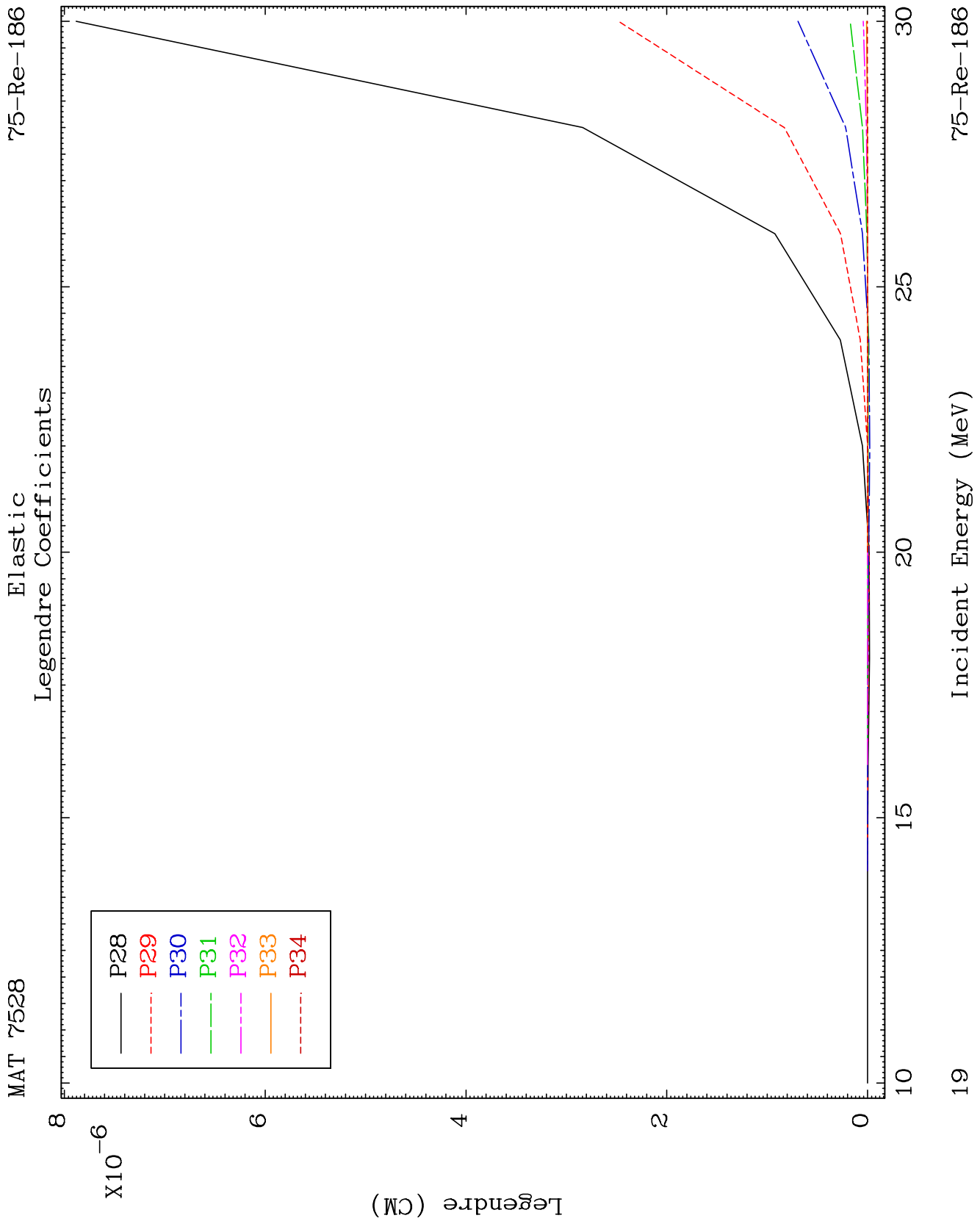


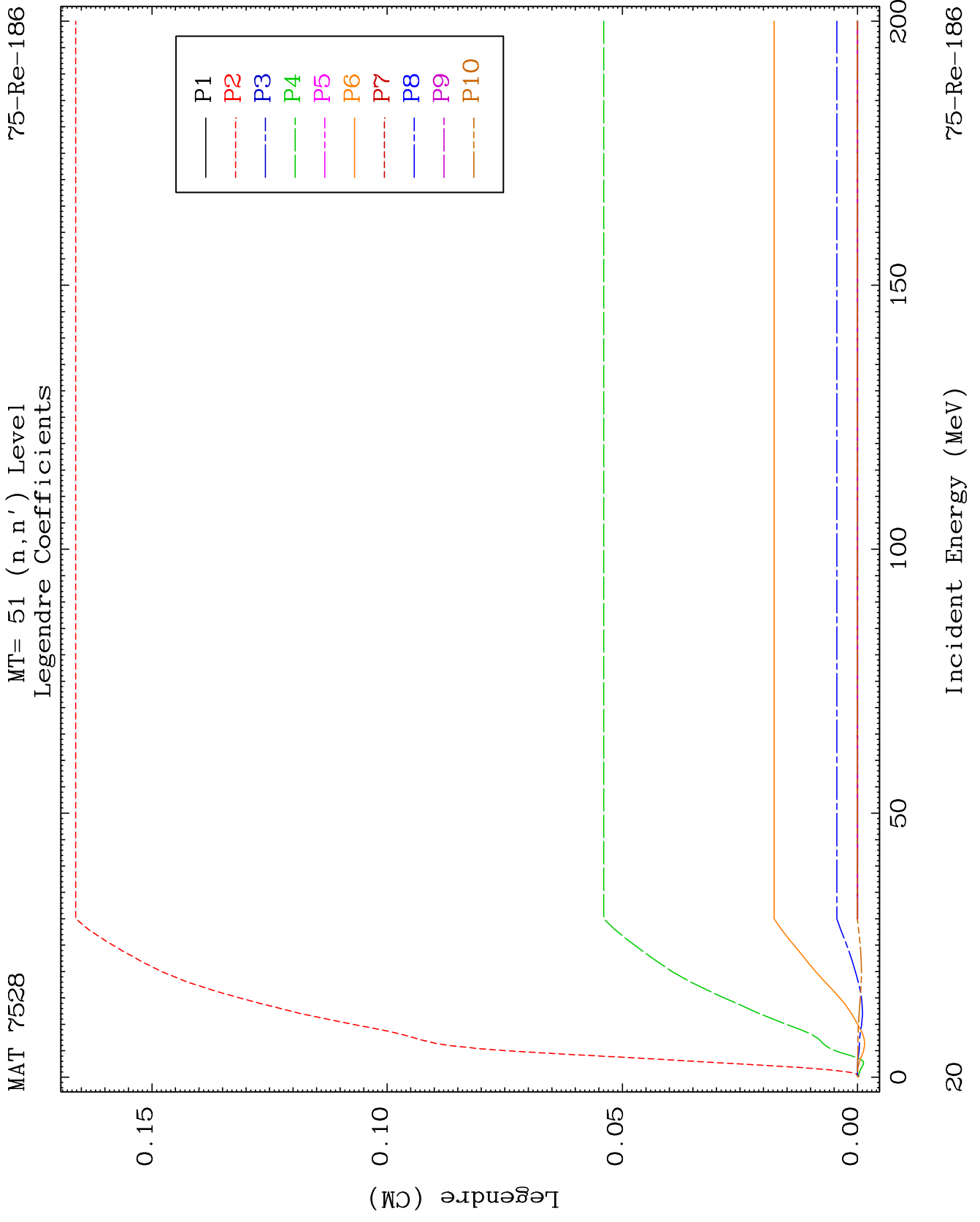
16

Incident Energy (MeV)

75-Re-186



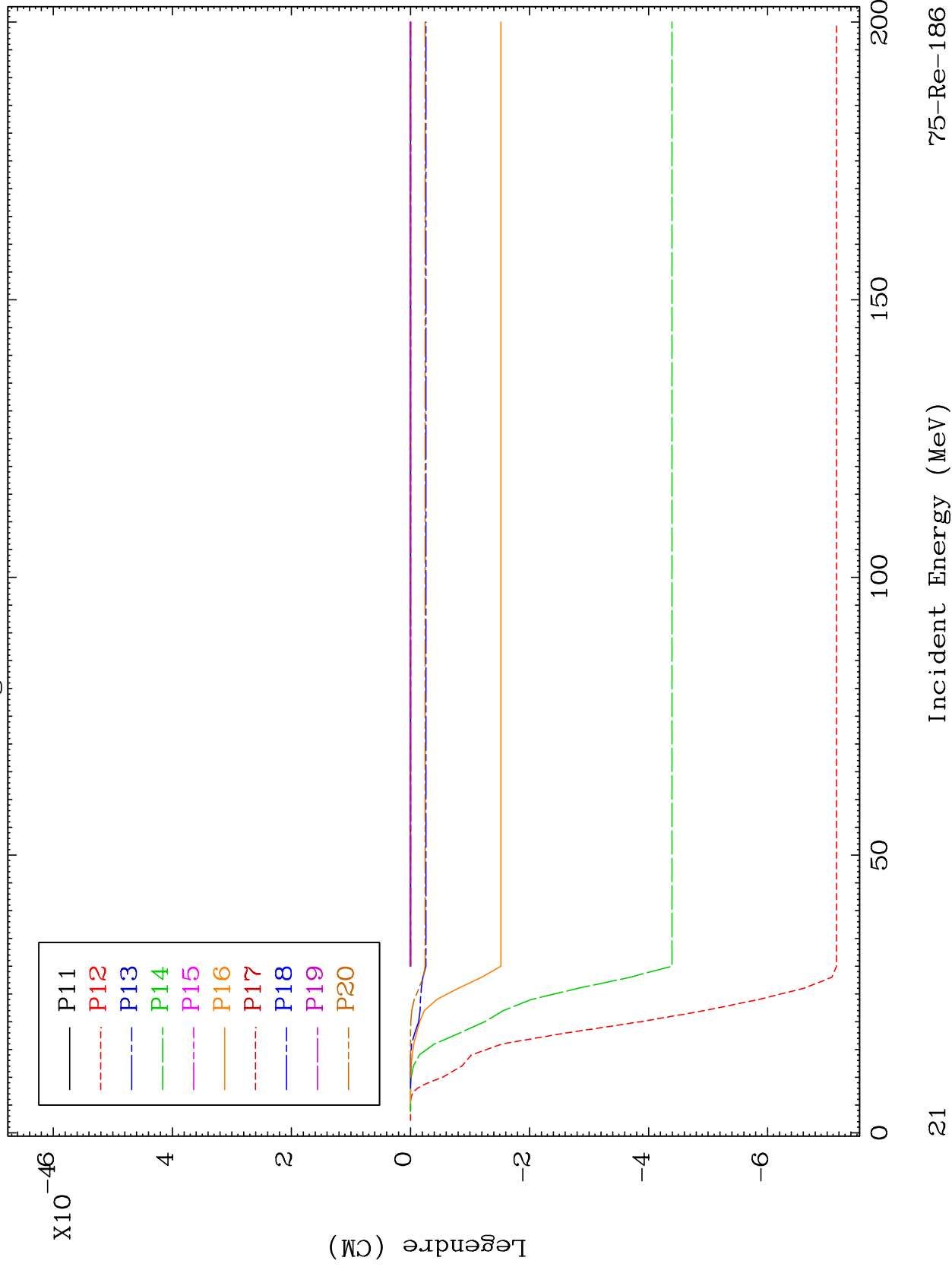




MAT 7528

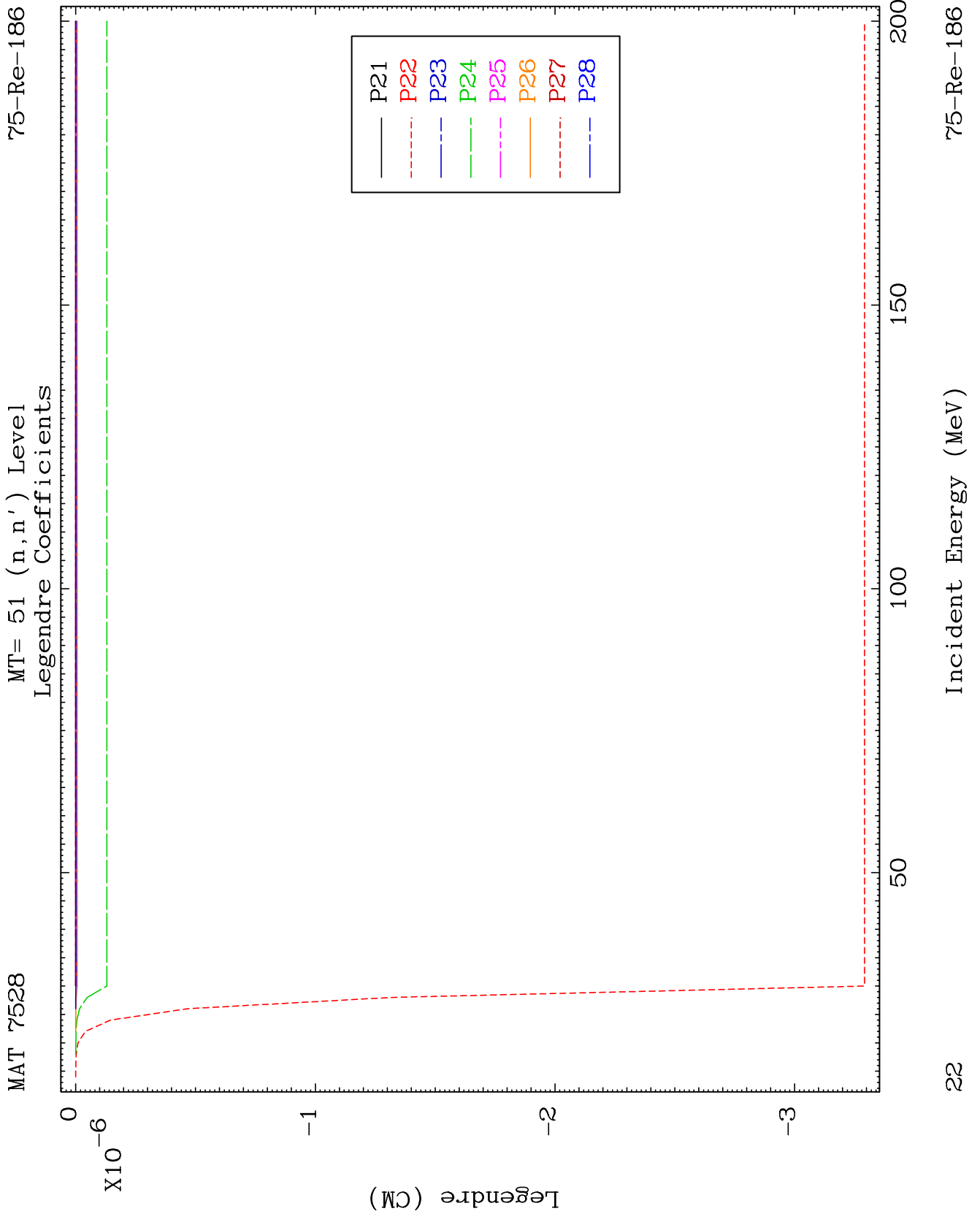
MT= 51 (n,n') Level
Legendre Coefficients

75-Re-186



21

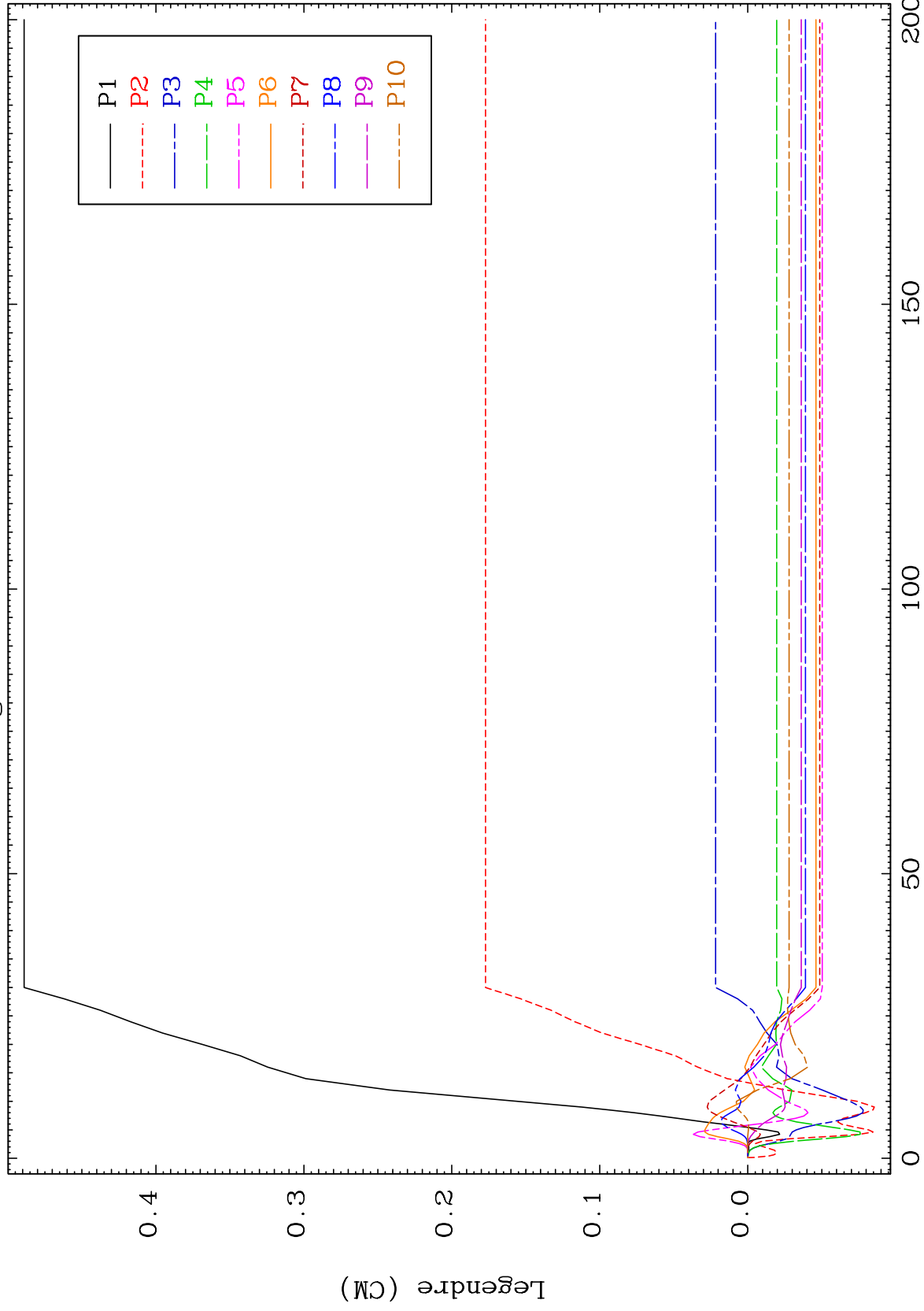
75-Re-186



MAT 7528

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

75-Re-186



23

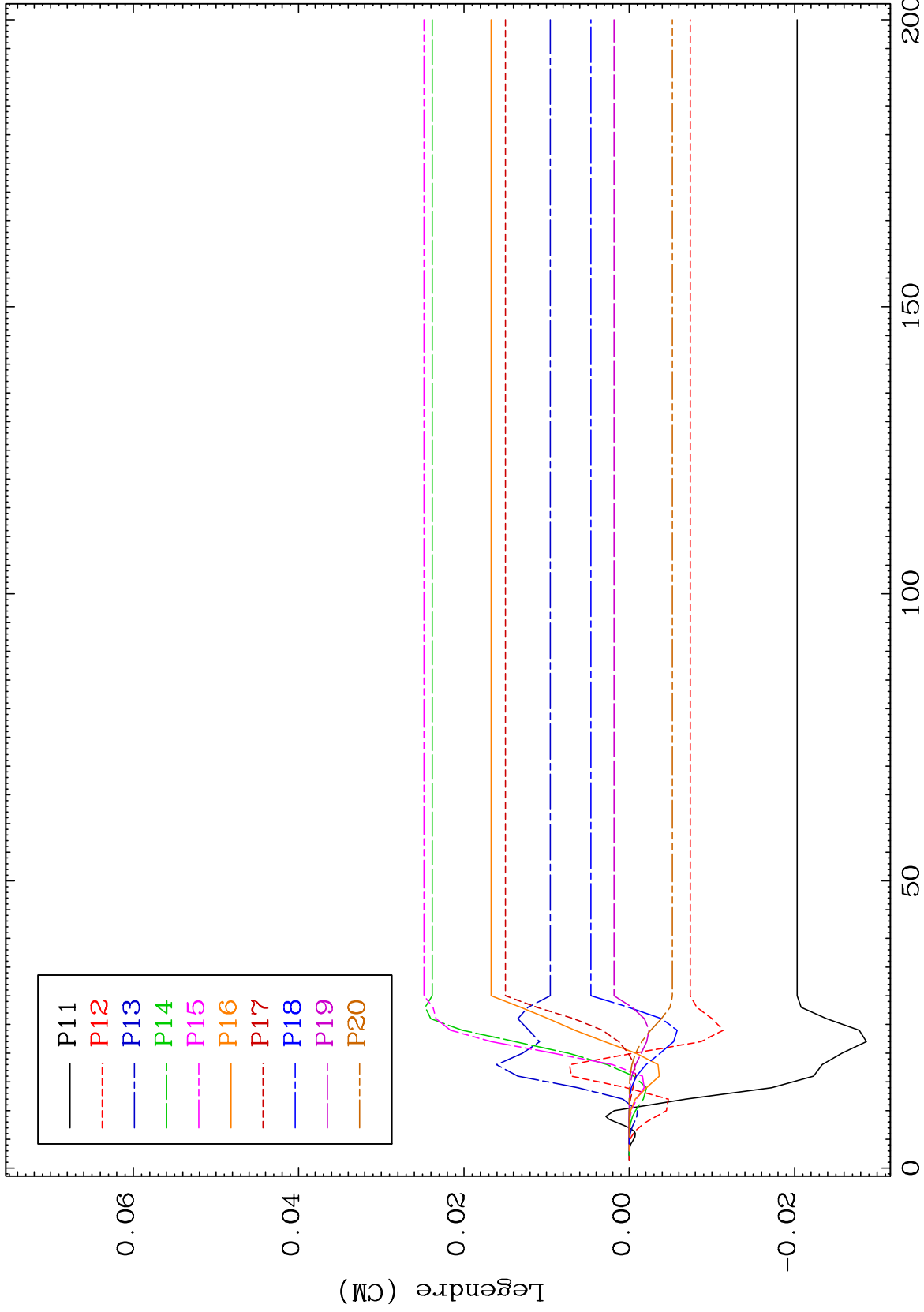
Incident Energy (MeV)

75-Re-186

MAT 7528

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

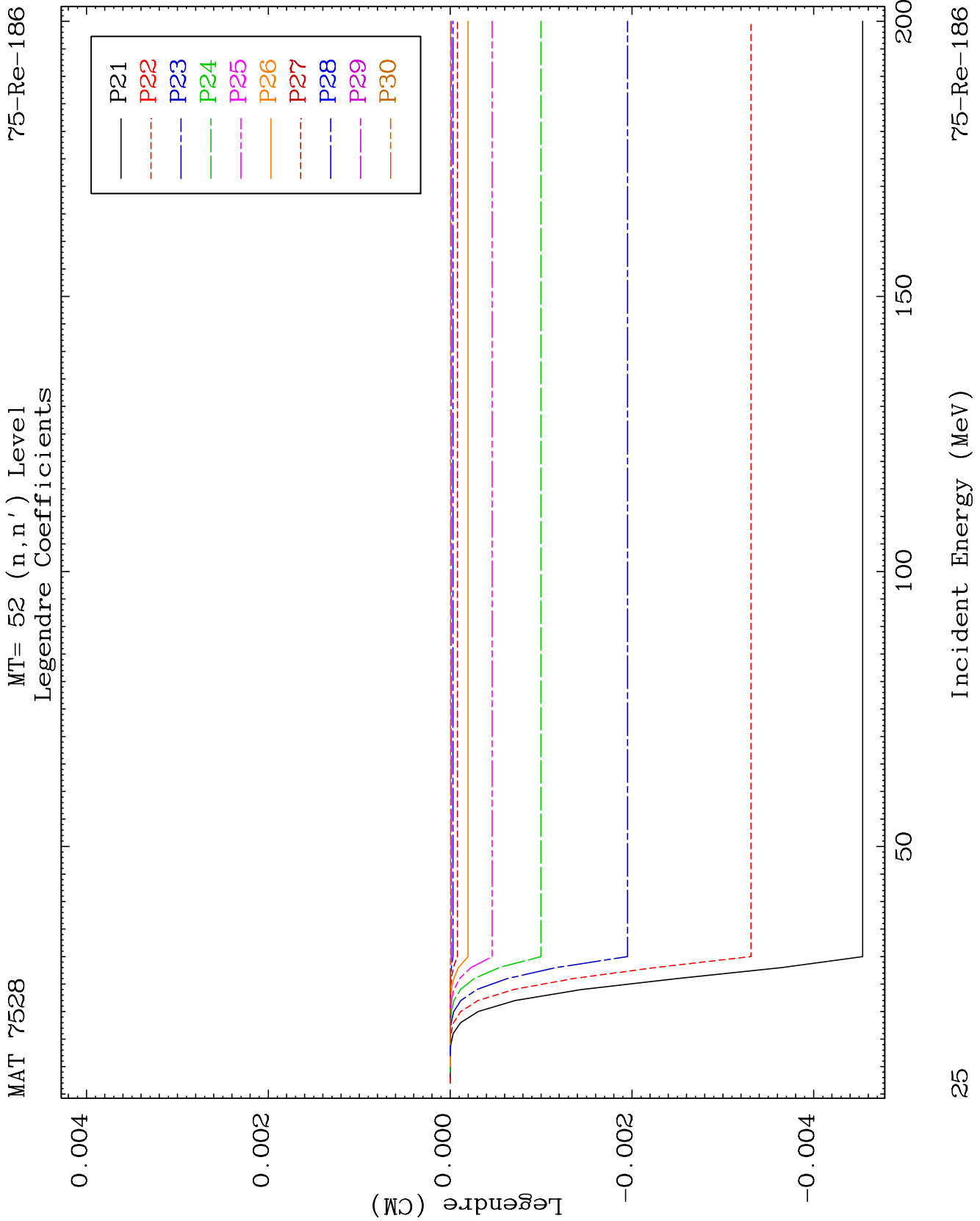
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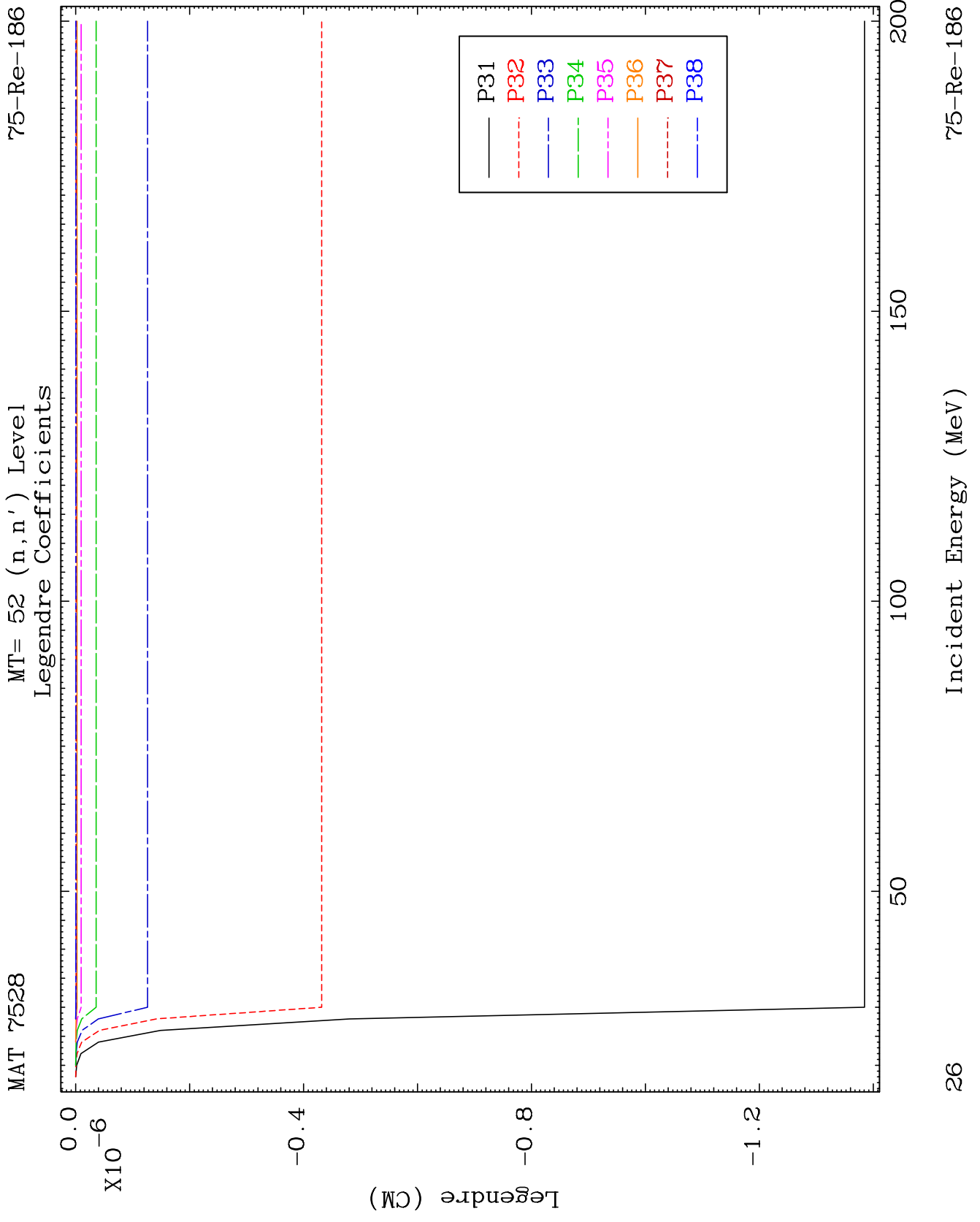


24

Incident Energy (MeV)

75-Re-186

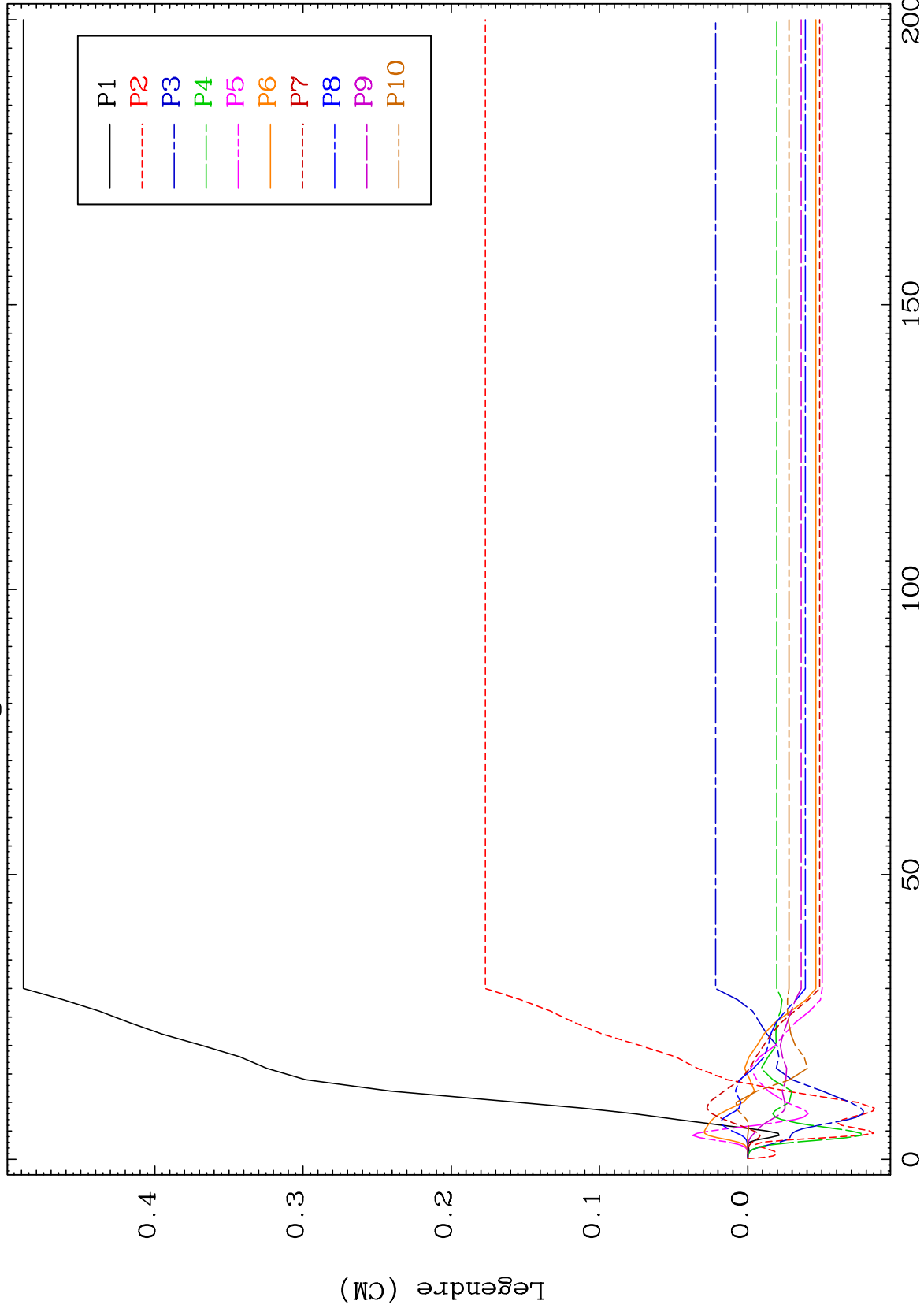




MAT 7528

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

75-Re-186



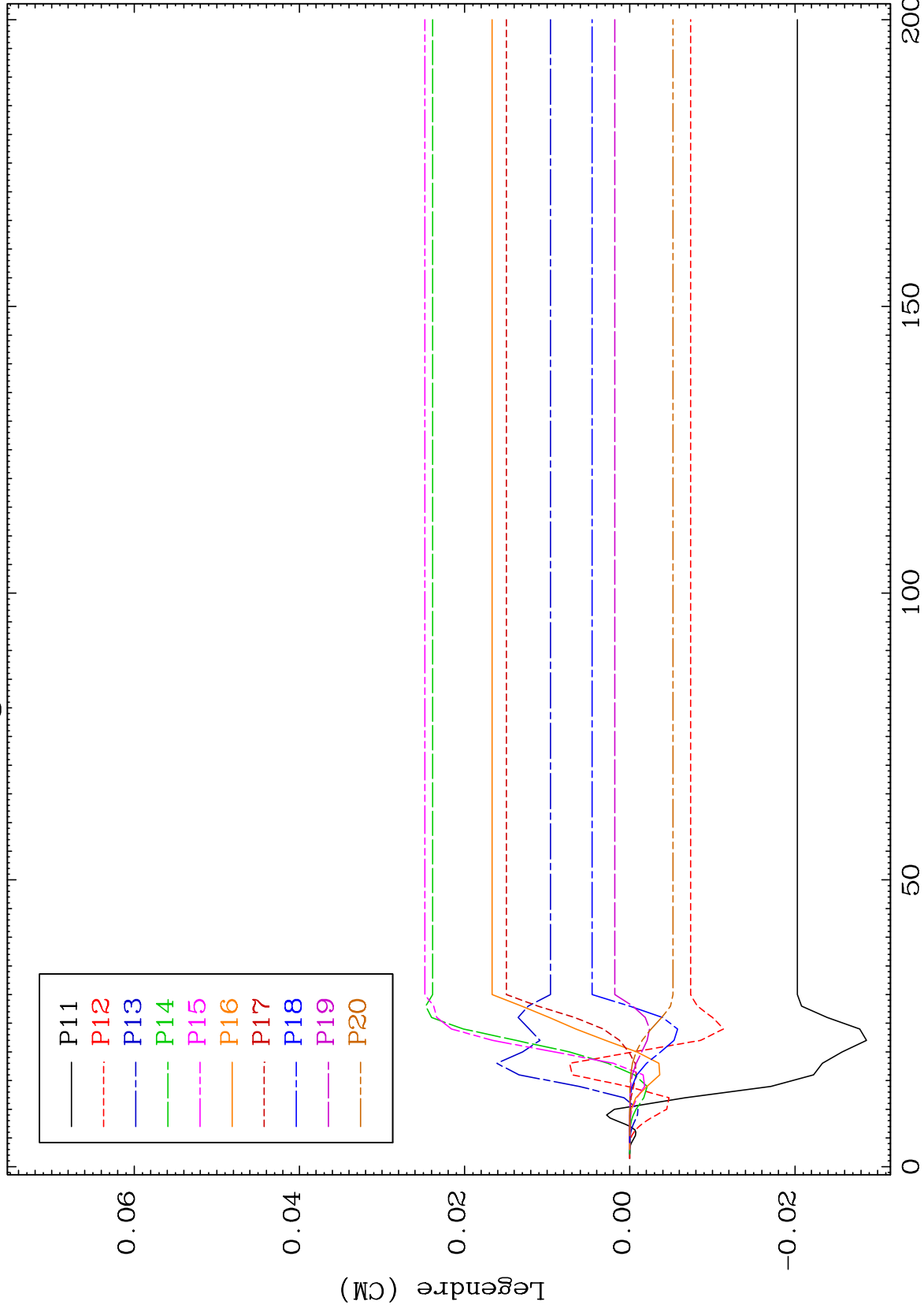
27

75-Re-186

MAT 7528

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

75-Re-186



28

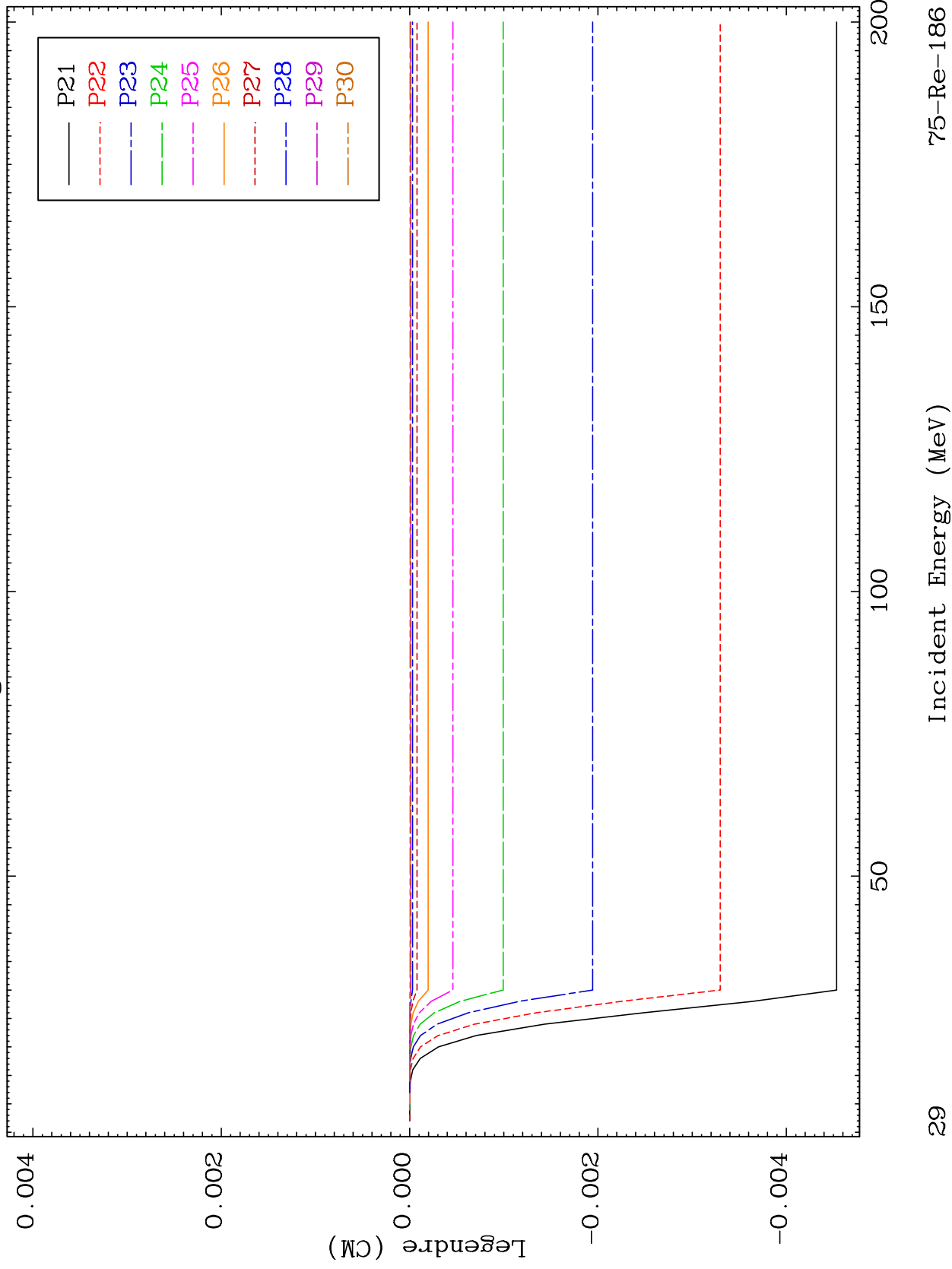
Incident Energy (MeV)

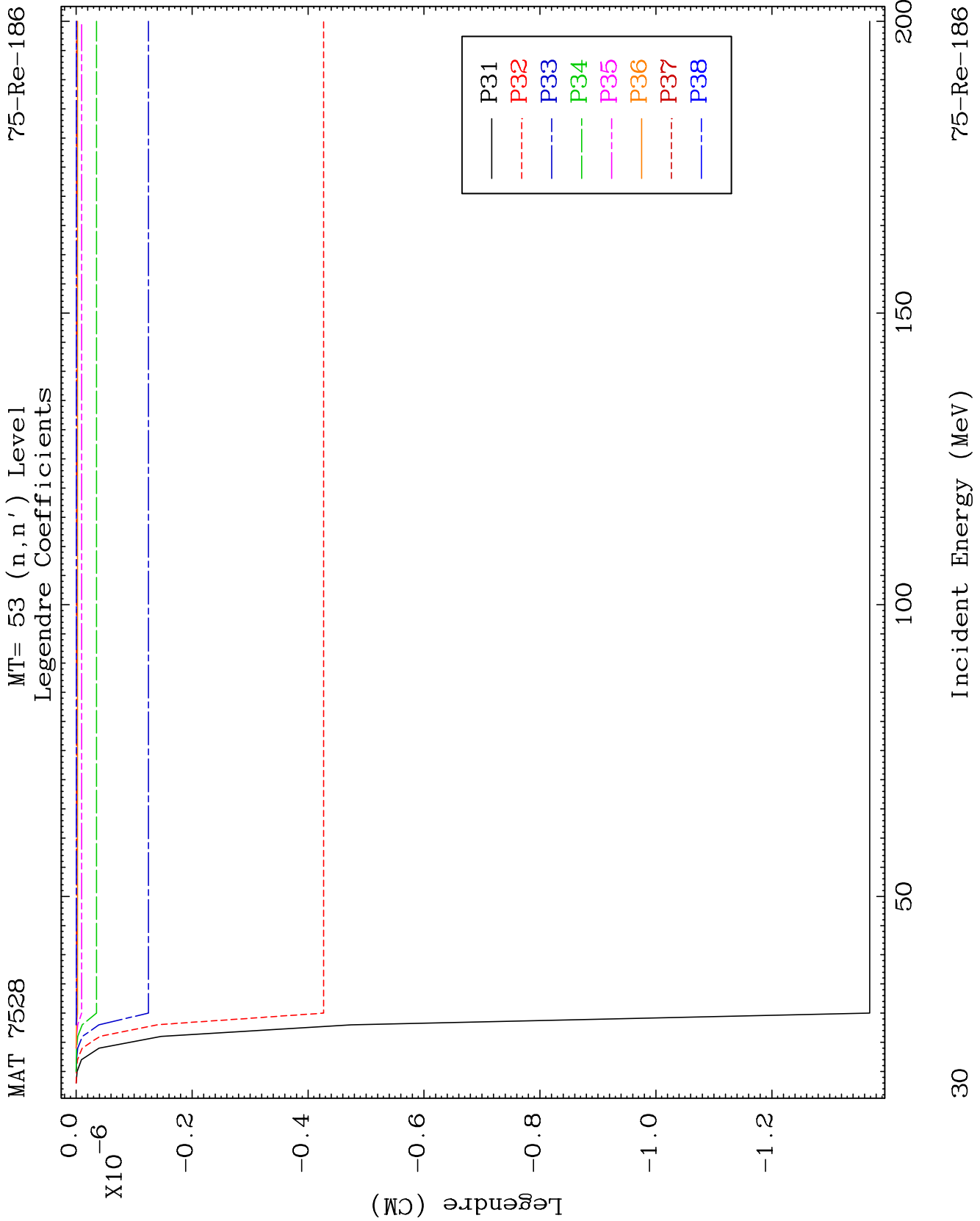
75-Re-186

MAT 7528

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

75-Re-186

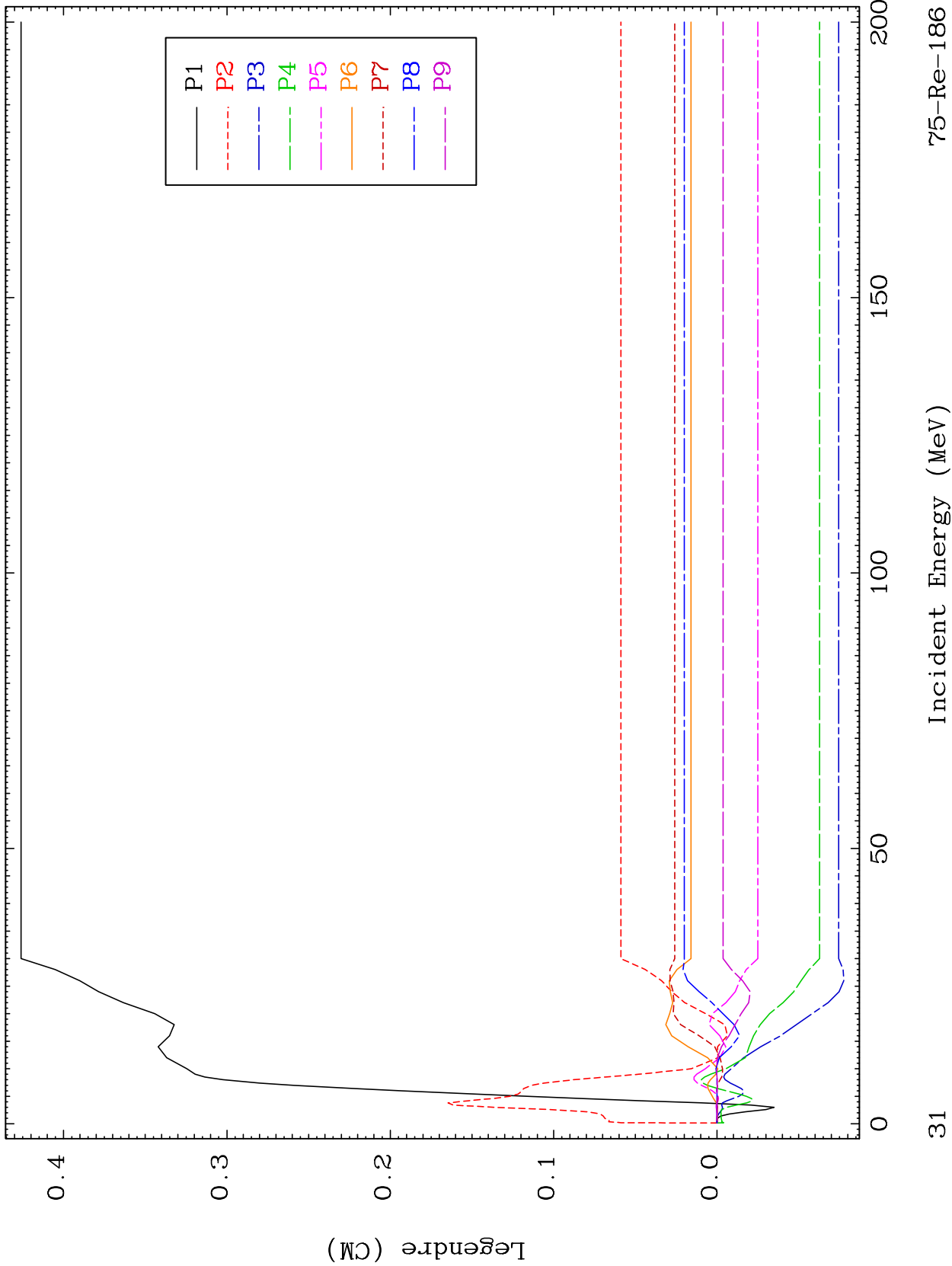




MAT 7528

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

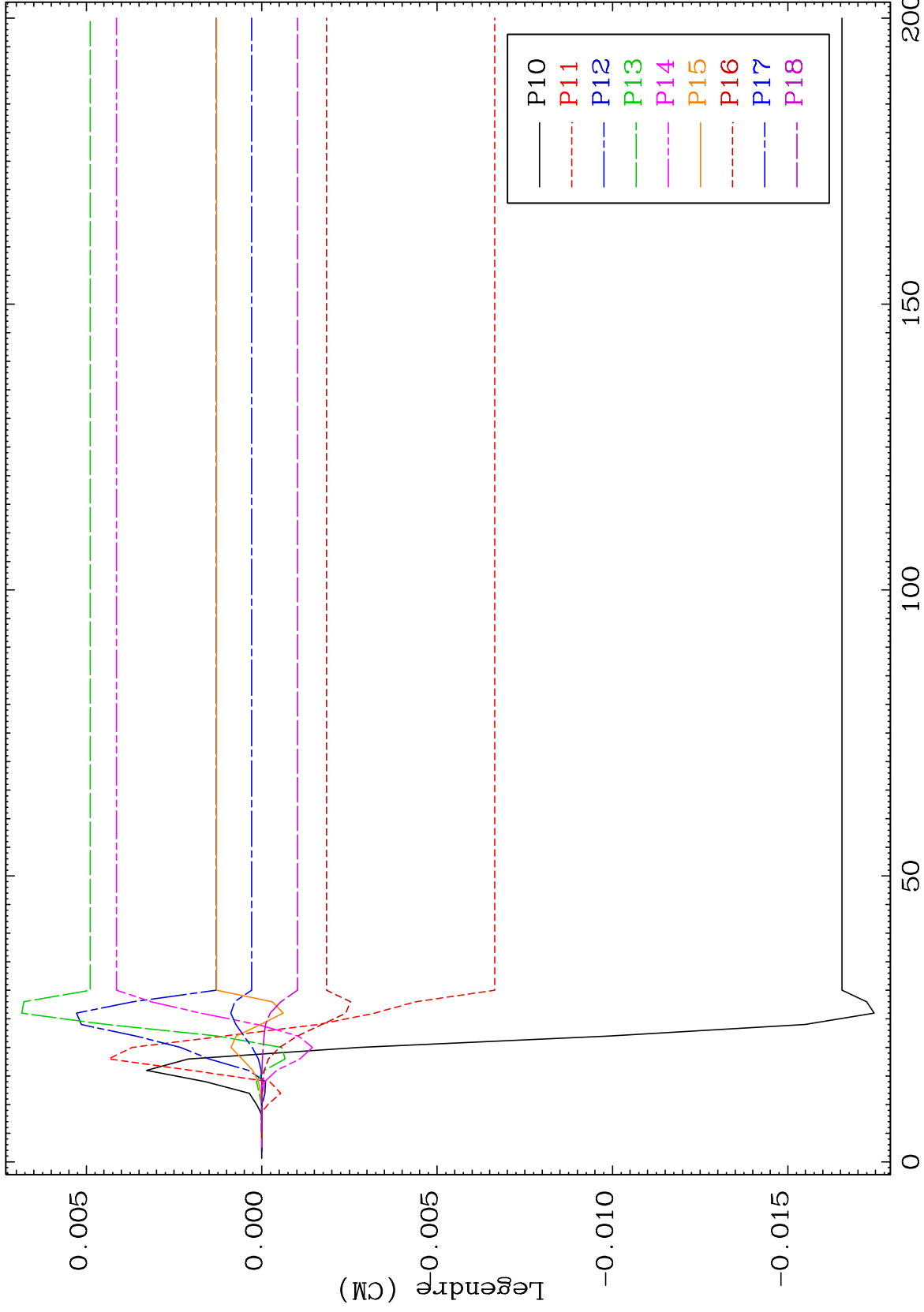
75-Re-186



31

Incident Energy (MeV)

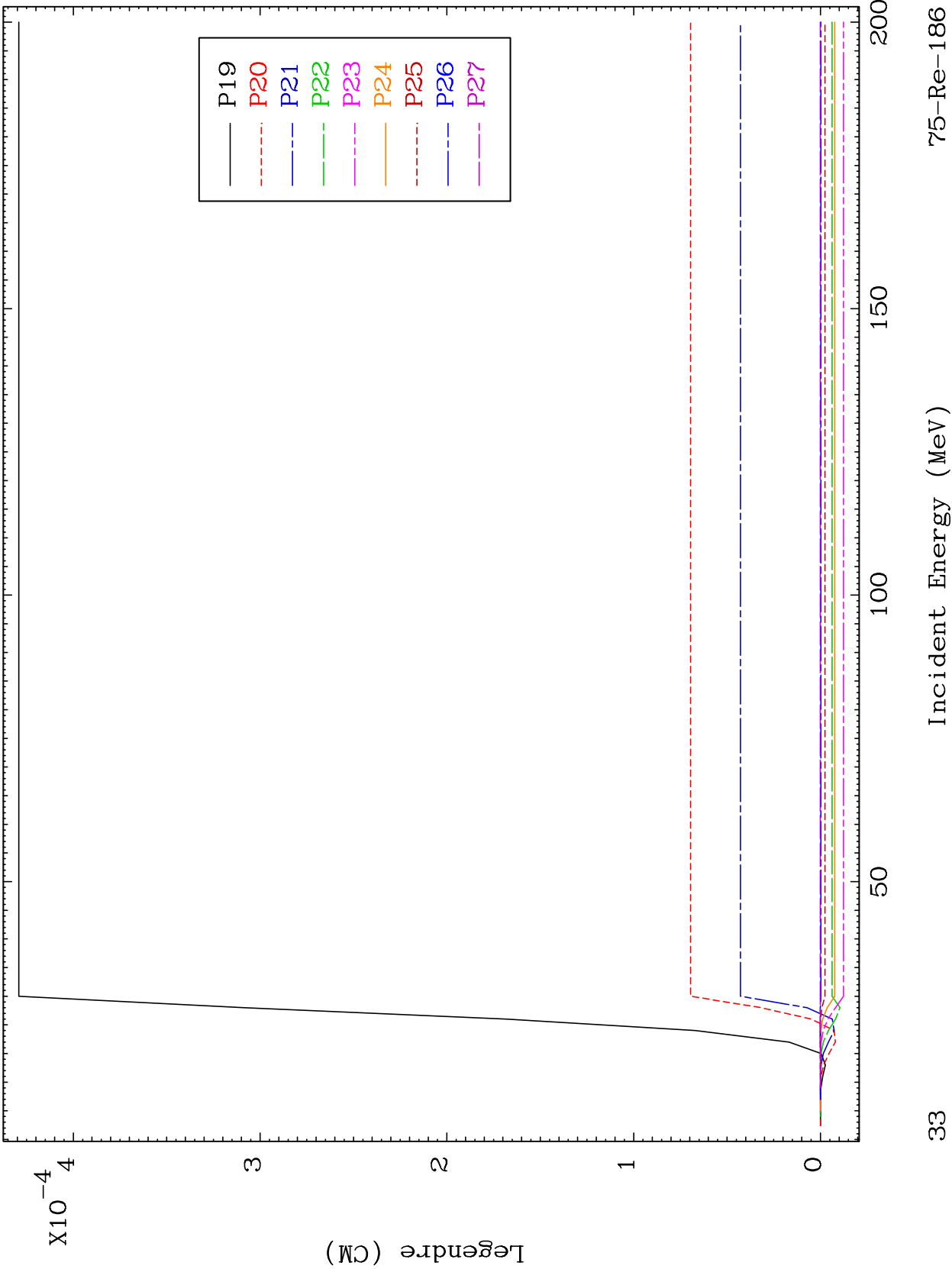
75-Re-186



MAT 7528

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

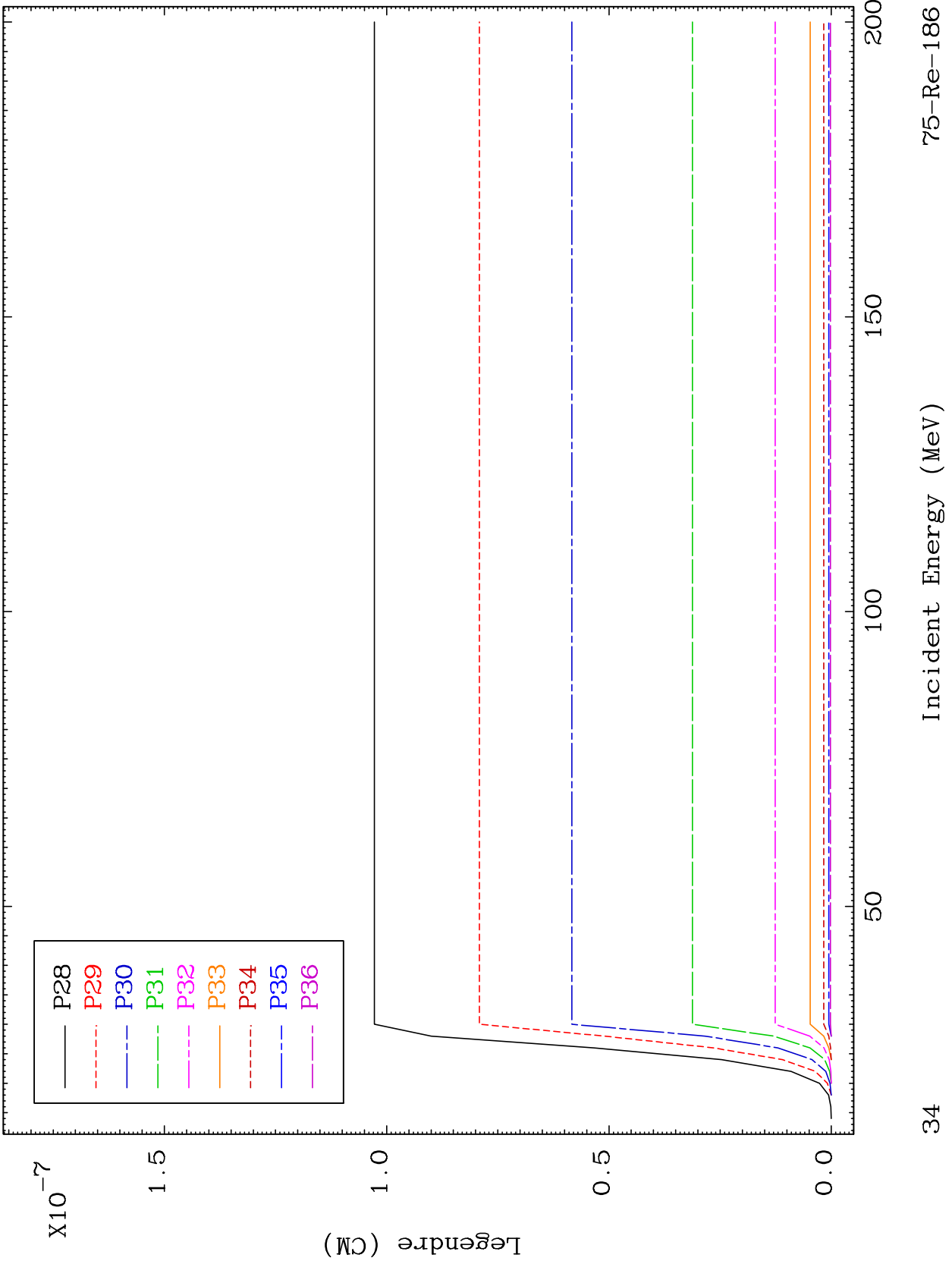
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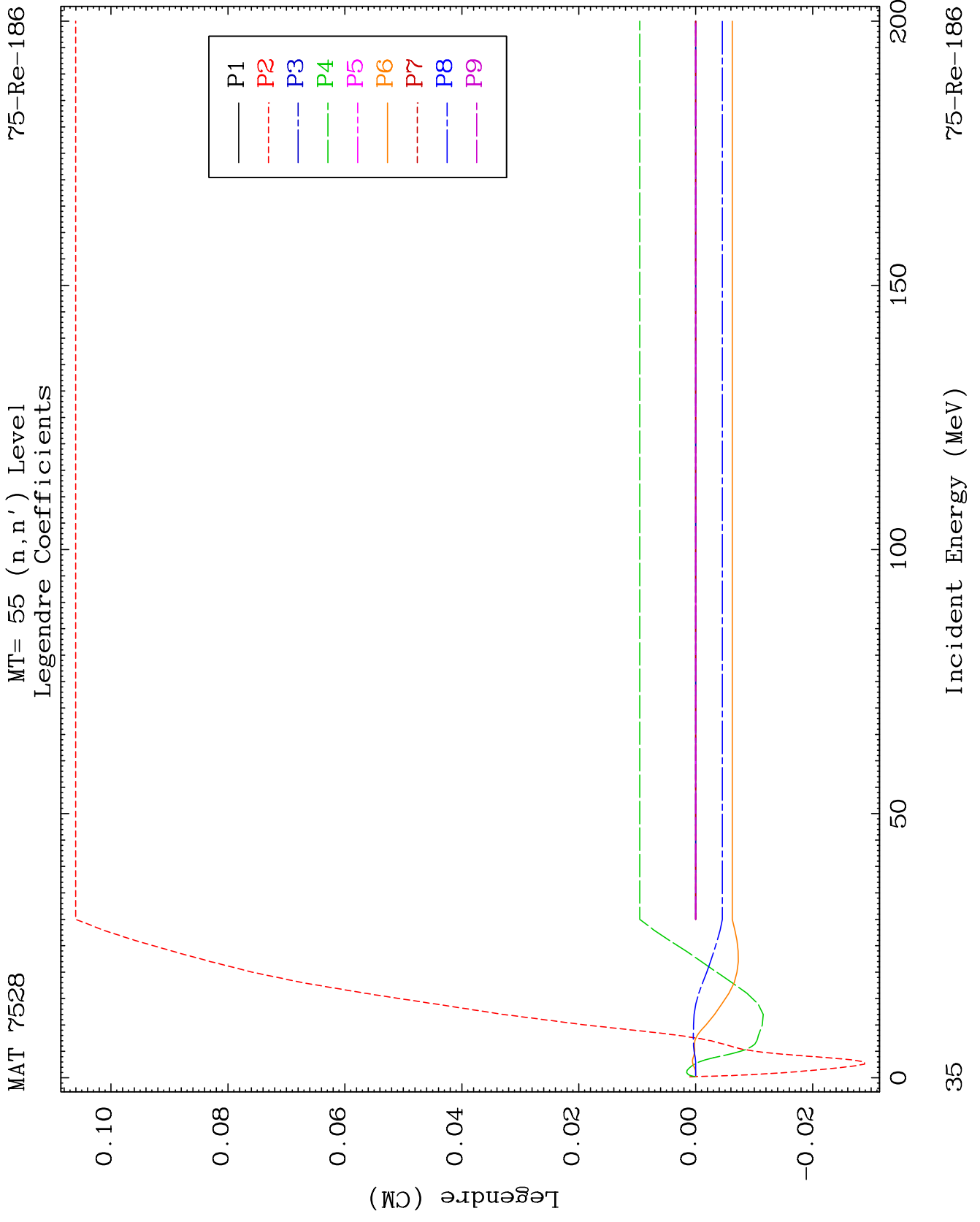


33

Incident Energy (MeV)

75-Re-186

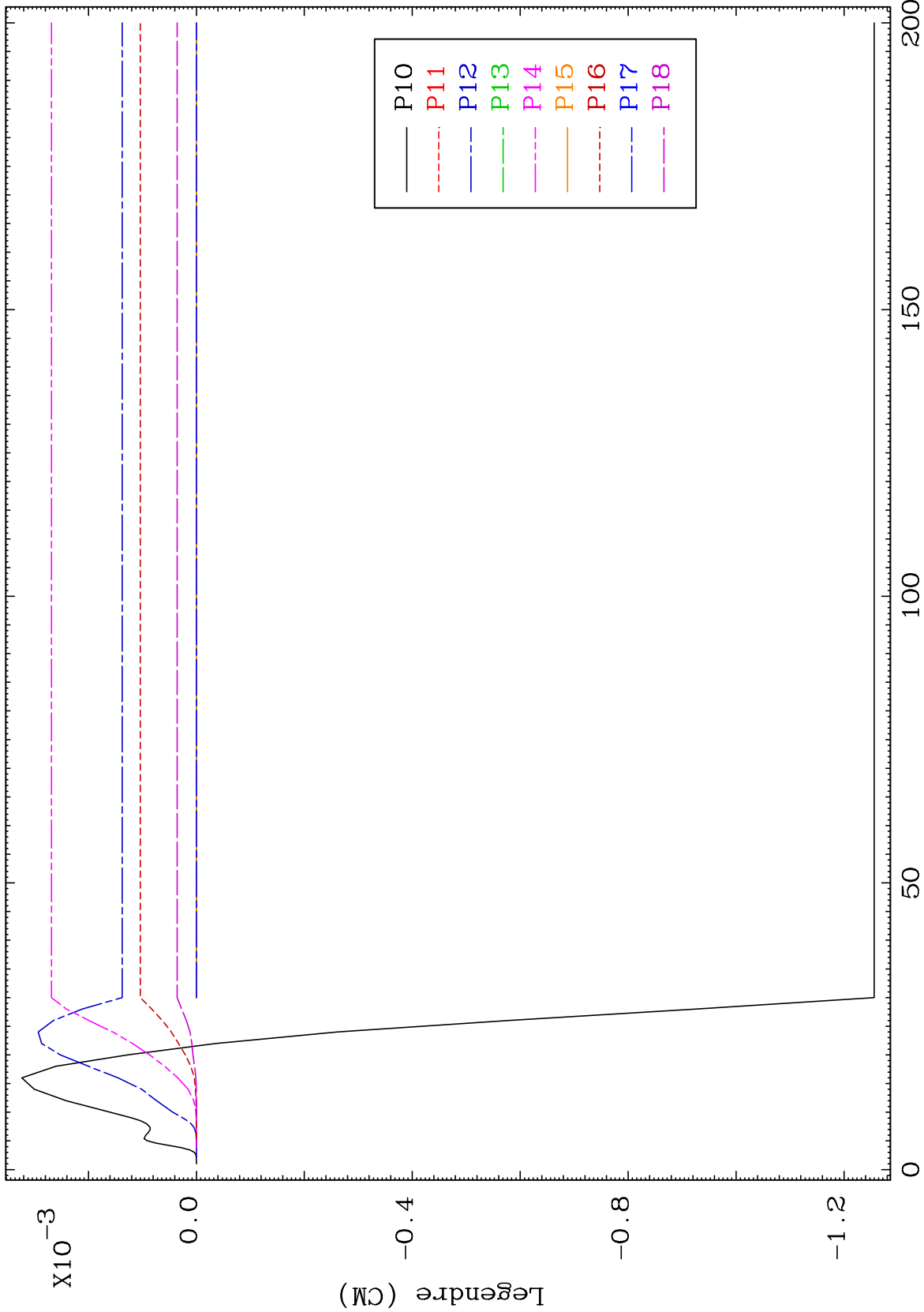




MAT 7528

MT= 55 (n,n') Level
Legendre Coefficients

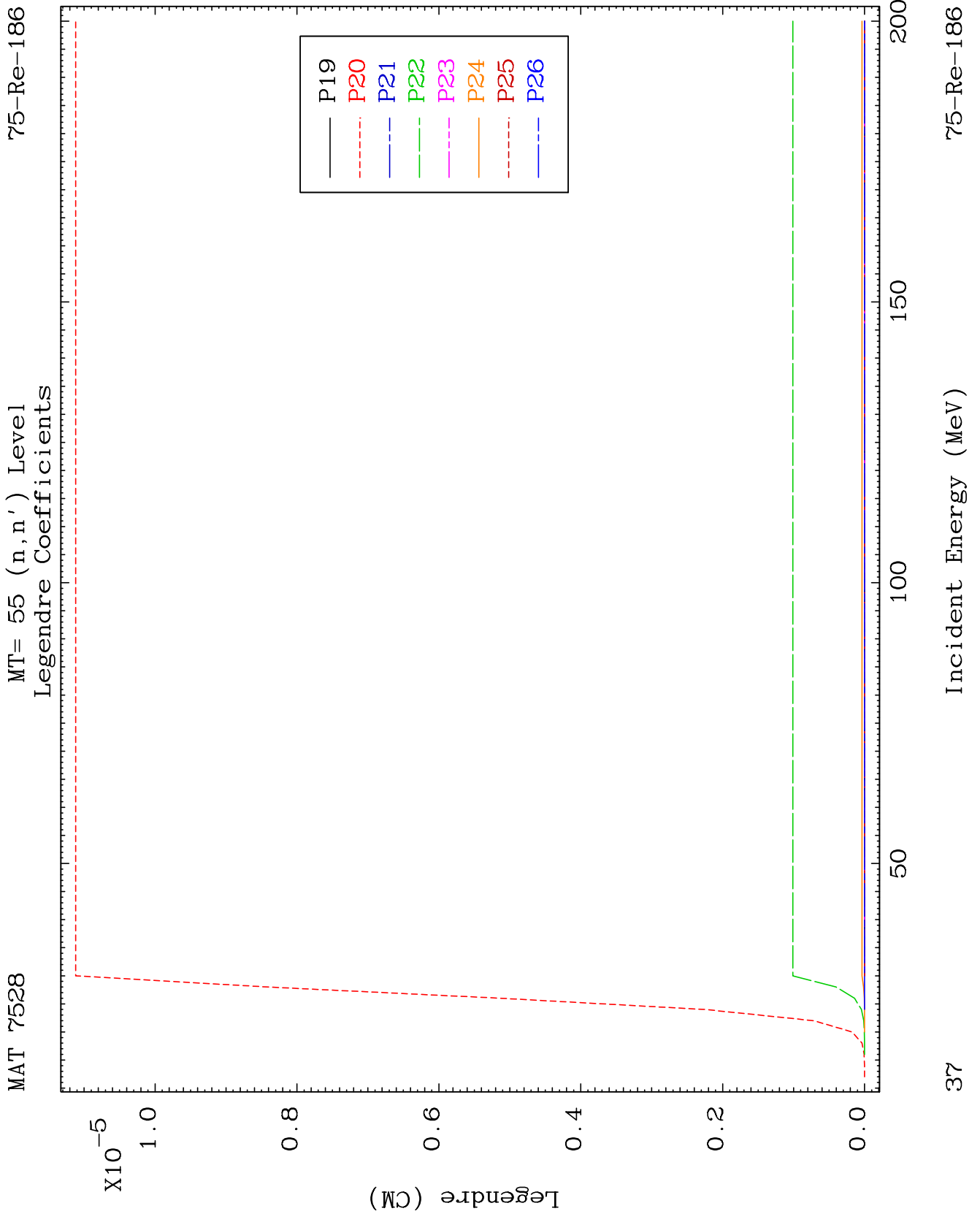
75-Re-186



36

Incident Energy (MeV)

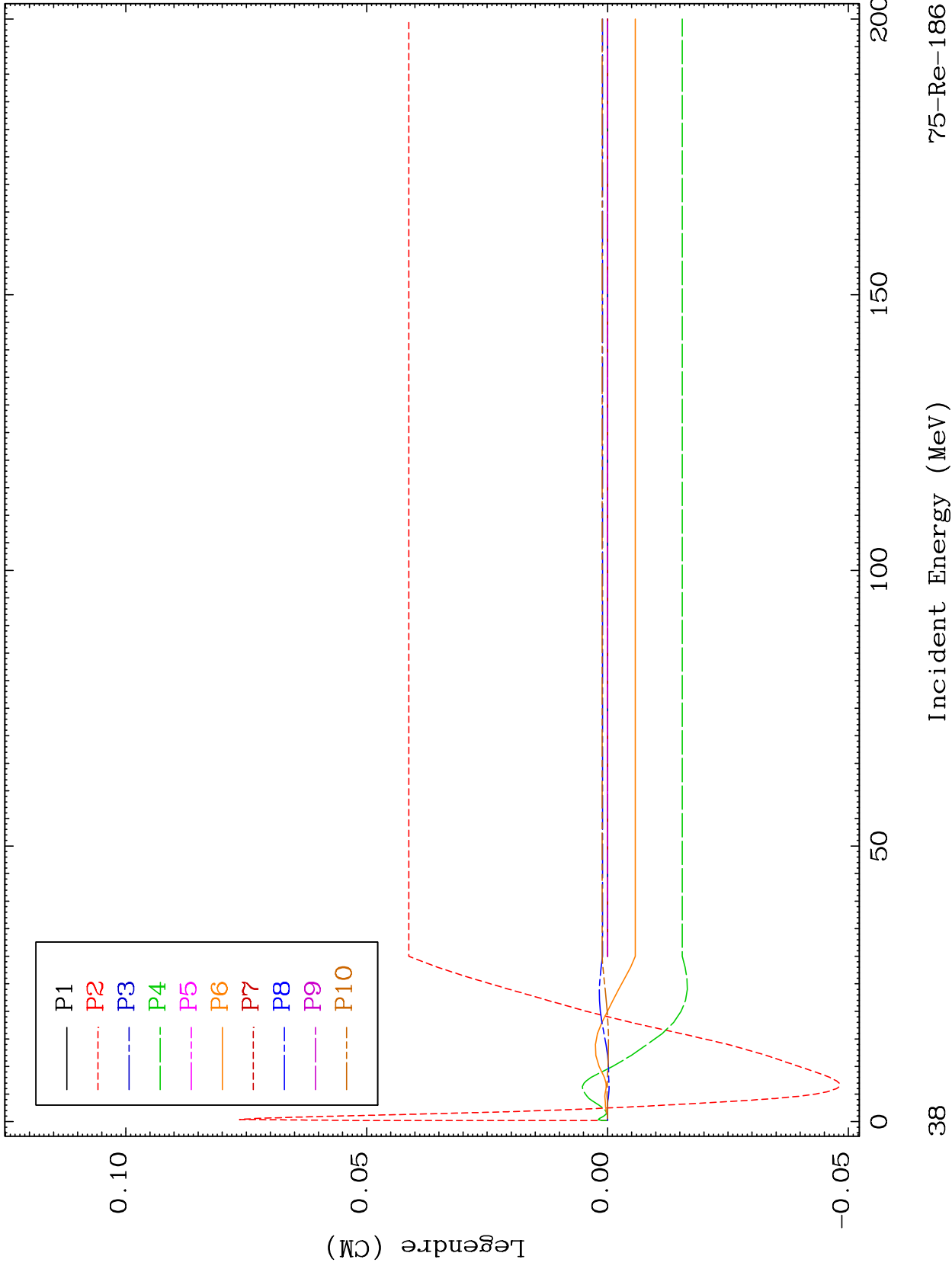
75-Re-186



MAT 7528

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

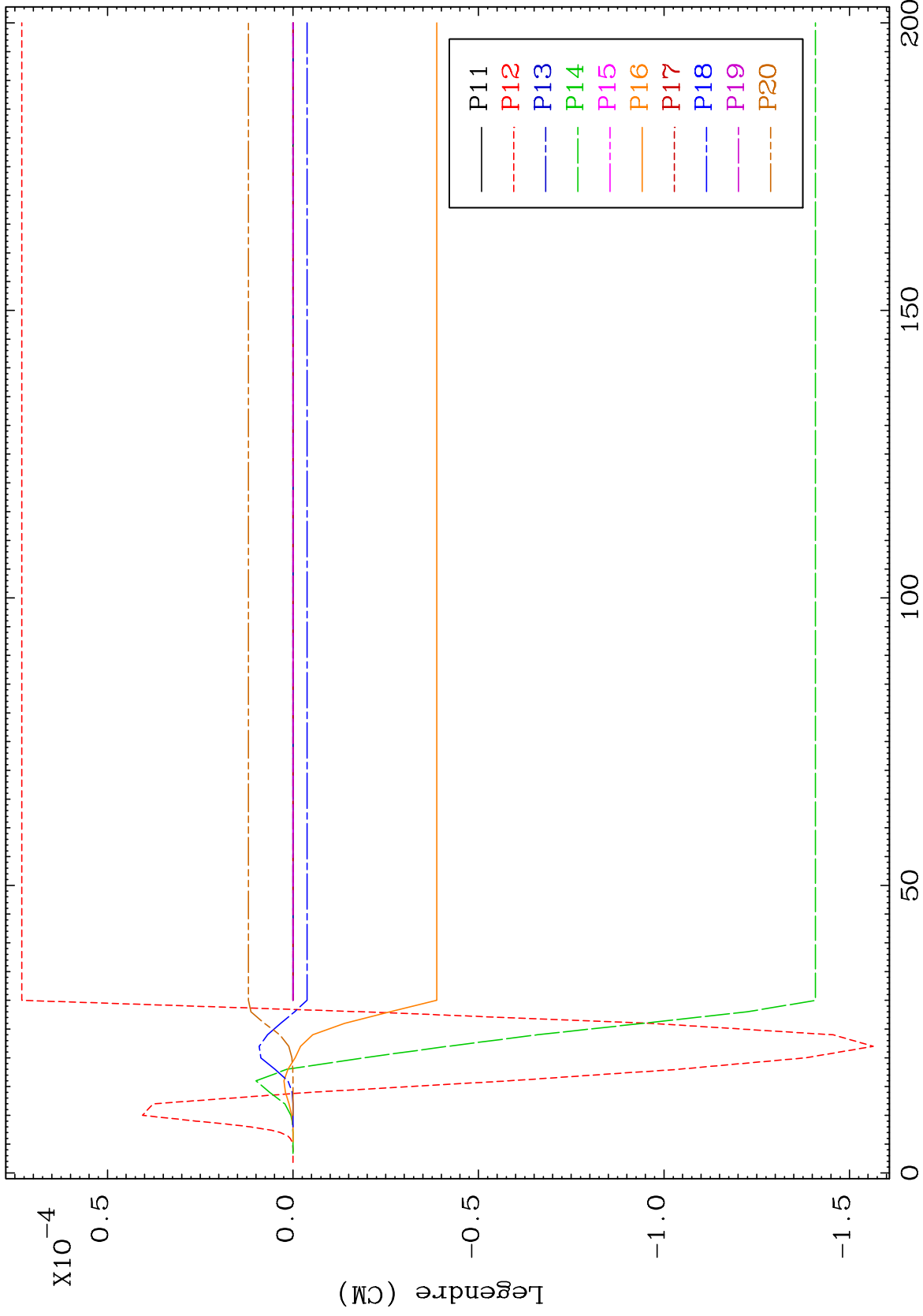
75-Re-186



38

Incident Energy (MeV)

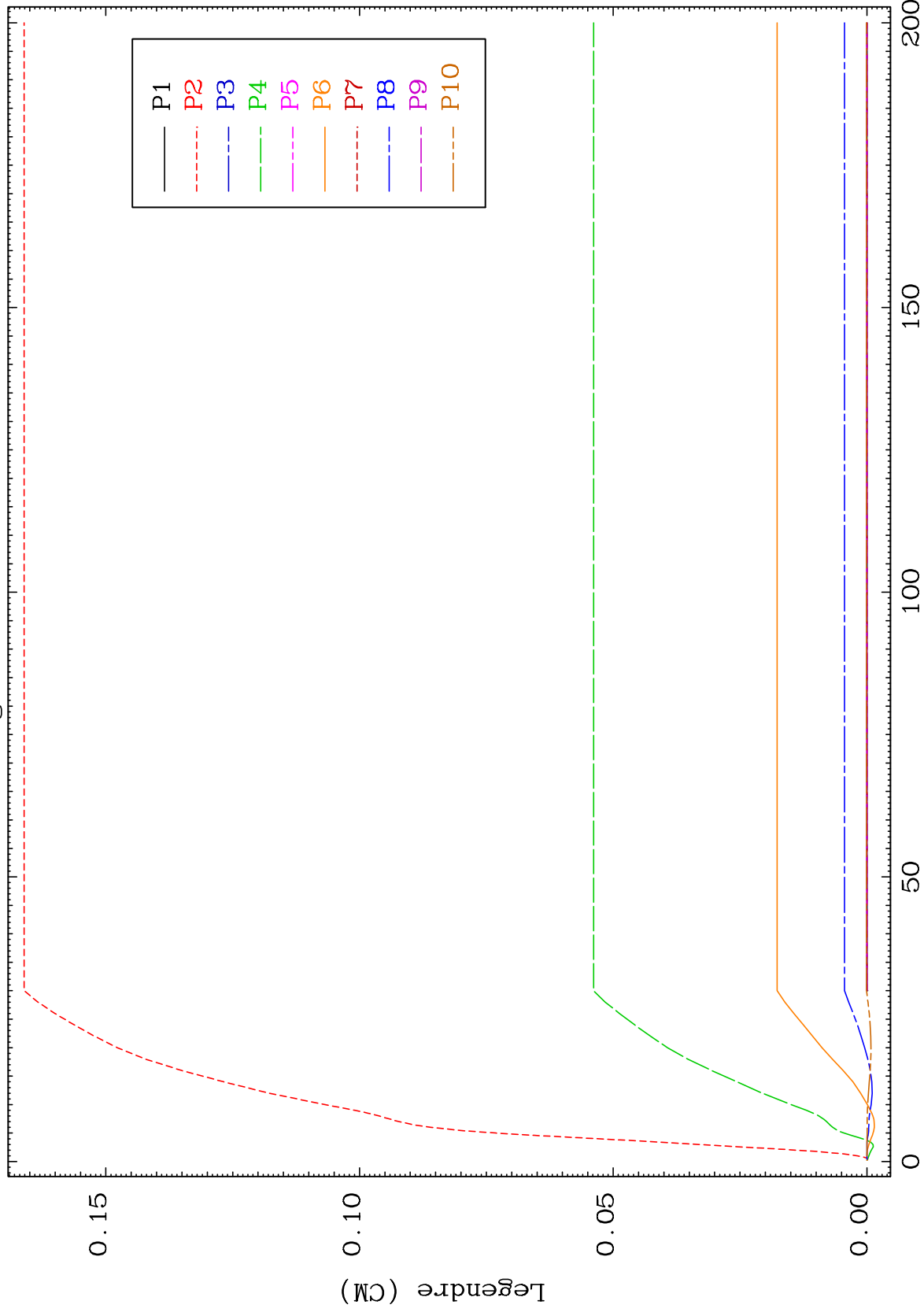
75-Re-186



MAT 7528

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

75-Re-186



41

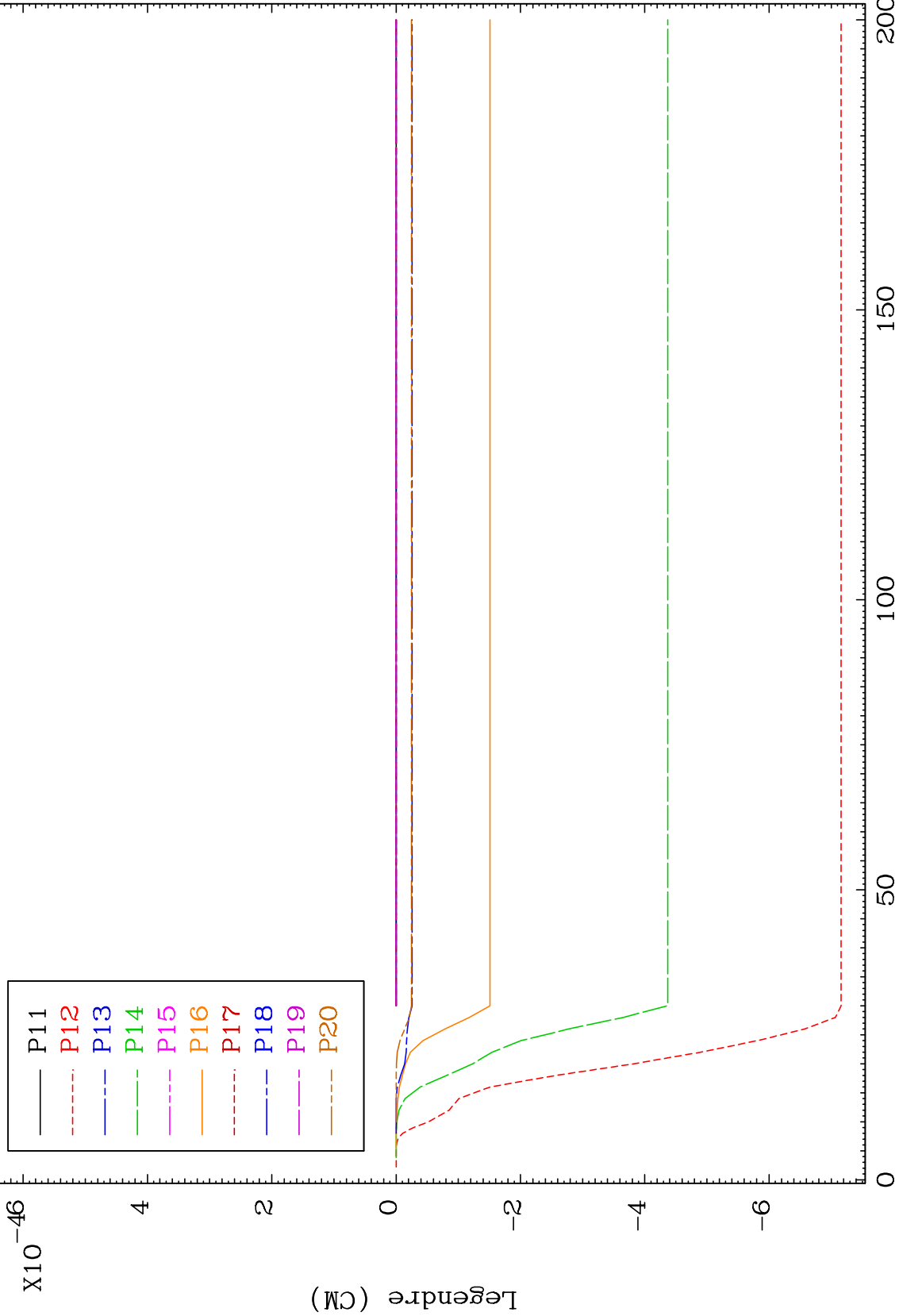
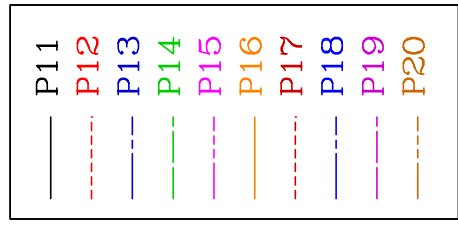
Incident Energy (MeV)

75-Re-186

MAT 7528

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

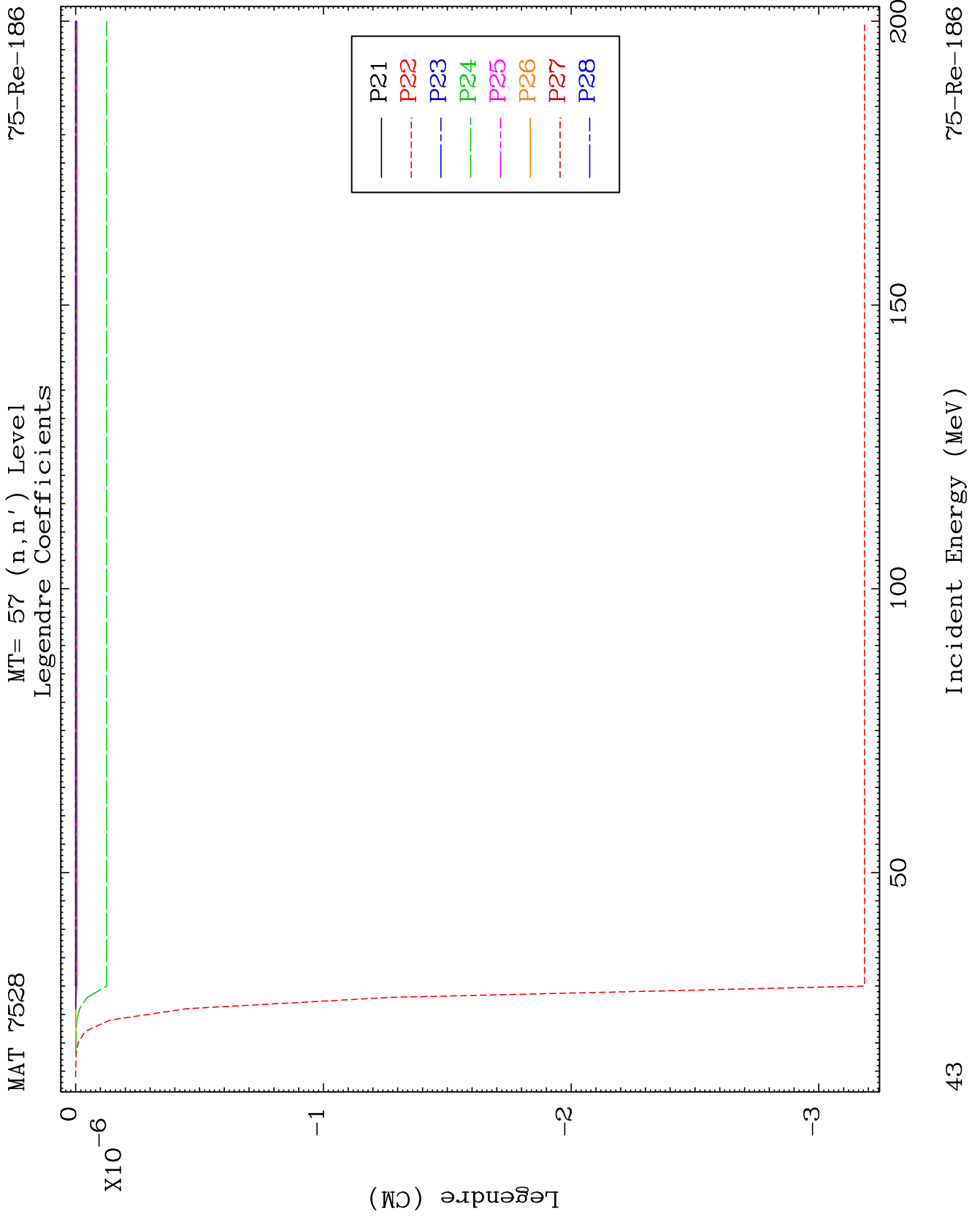
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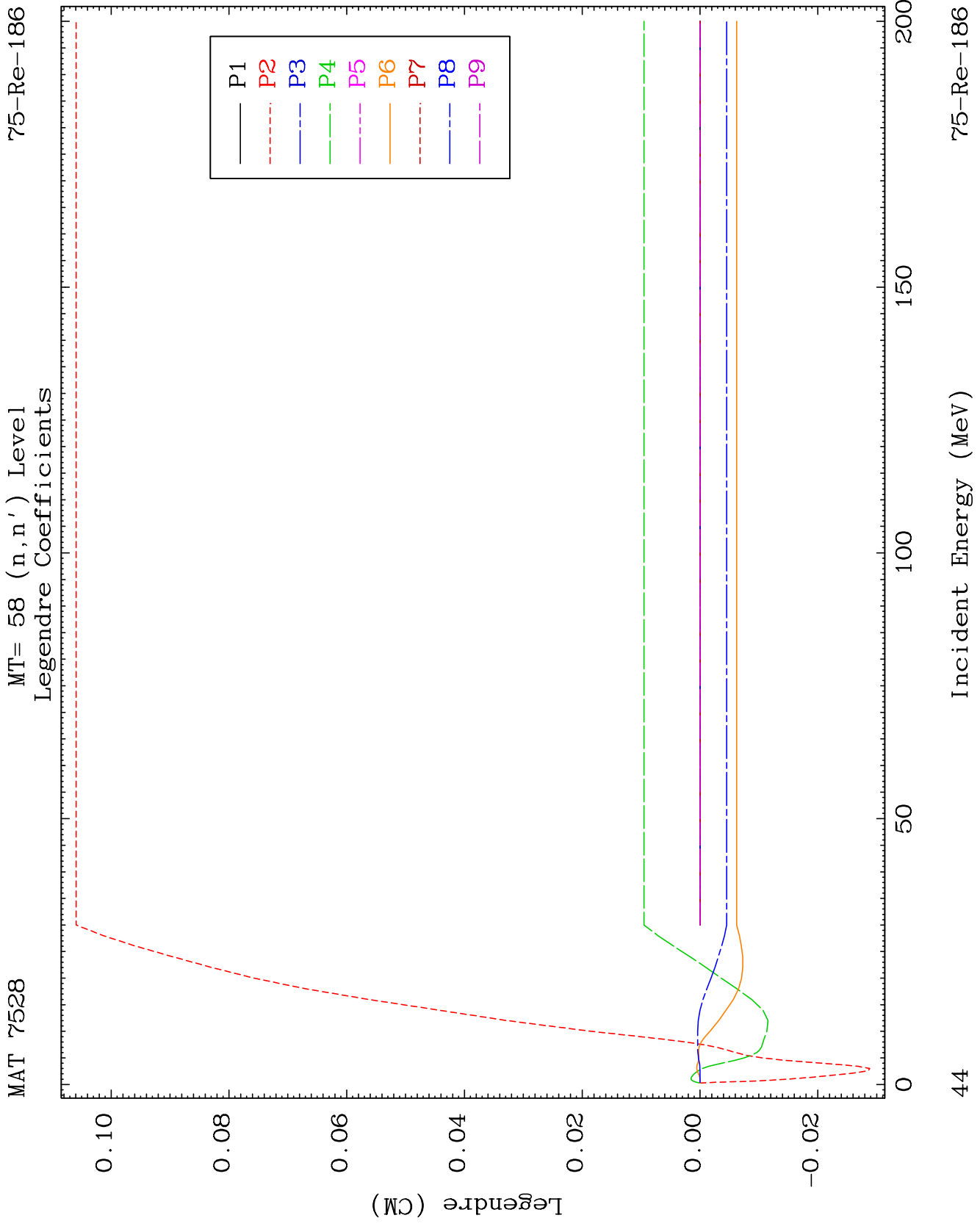


42

Incident Energy (MeV)

75-Re-186

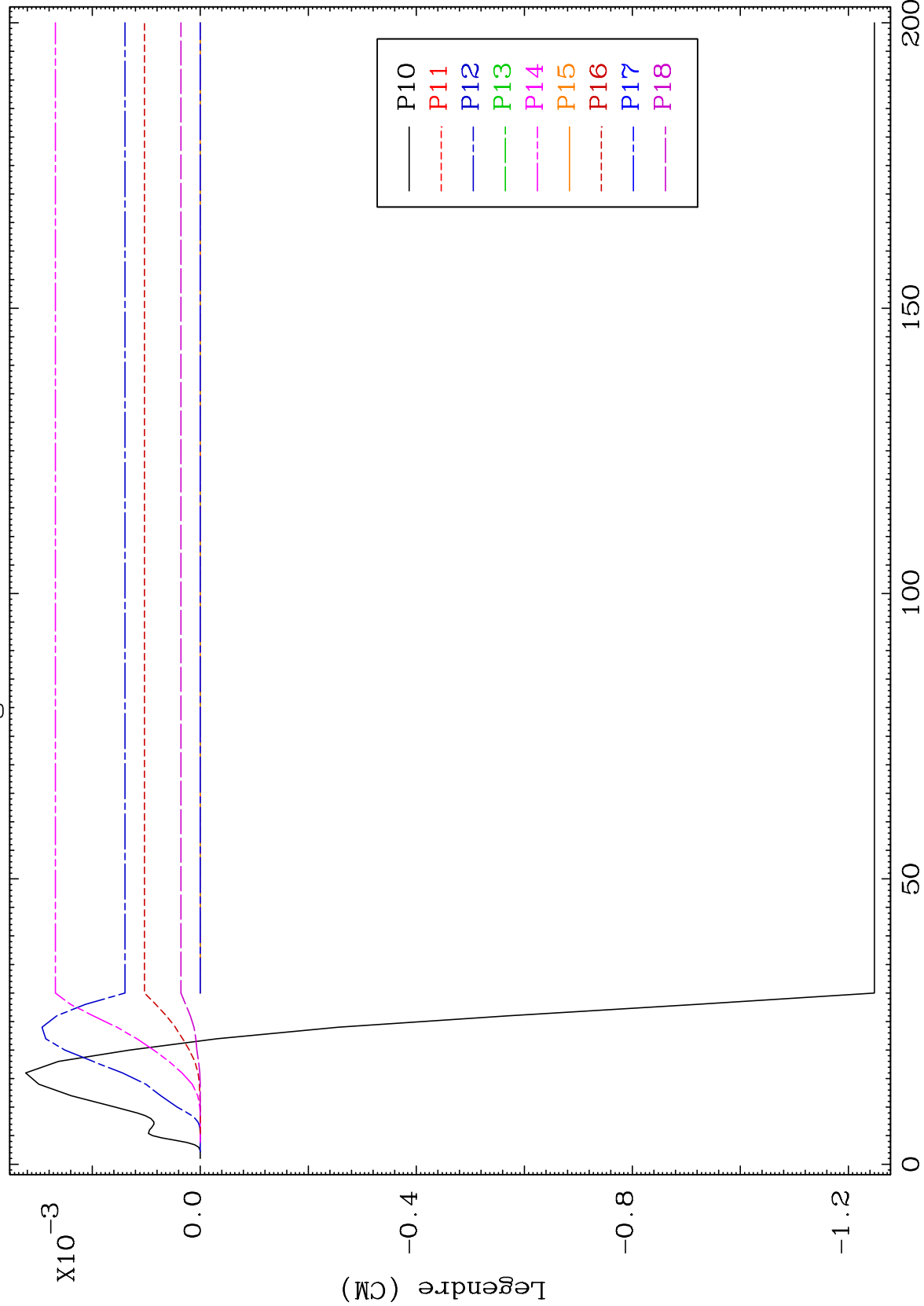




MAT 7528

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

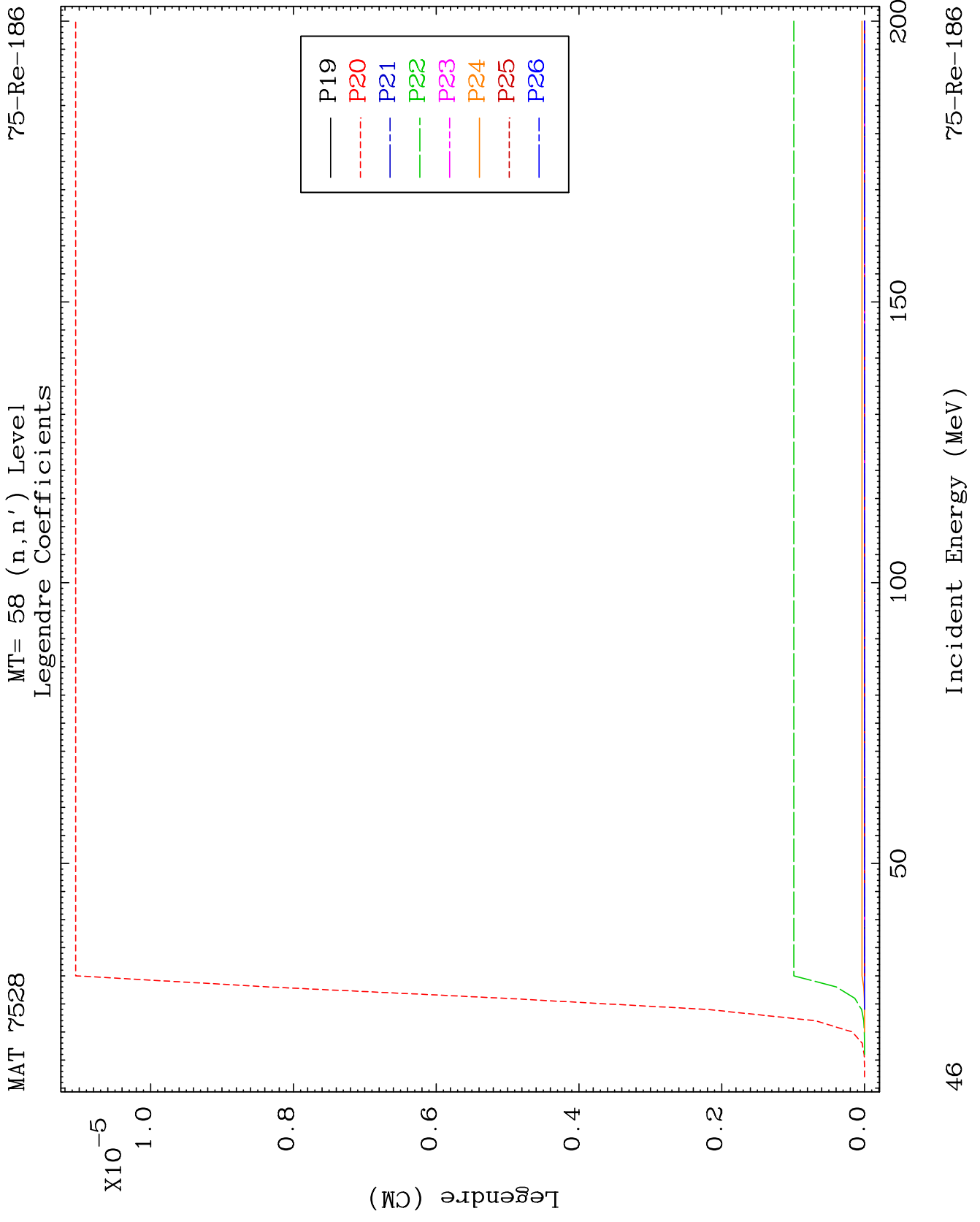
75-Re-186



45

Incident Energy (MeV)

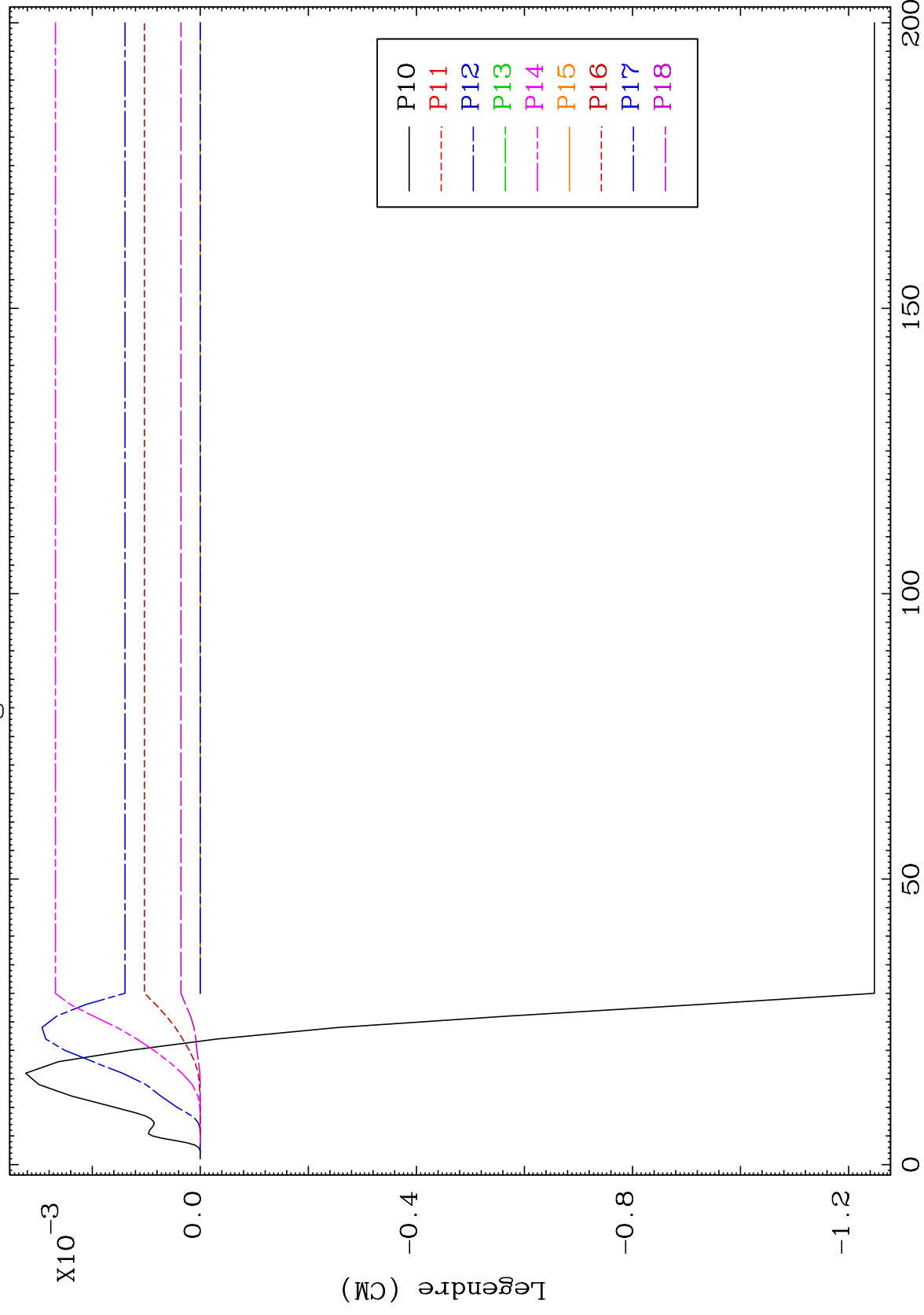
75-Re-186



MAT 7528

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

75-Re-186



48

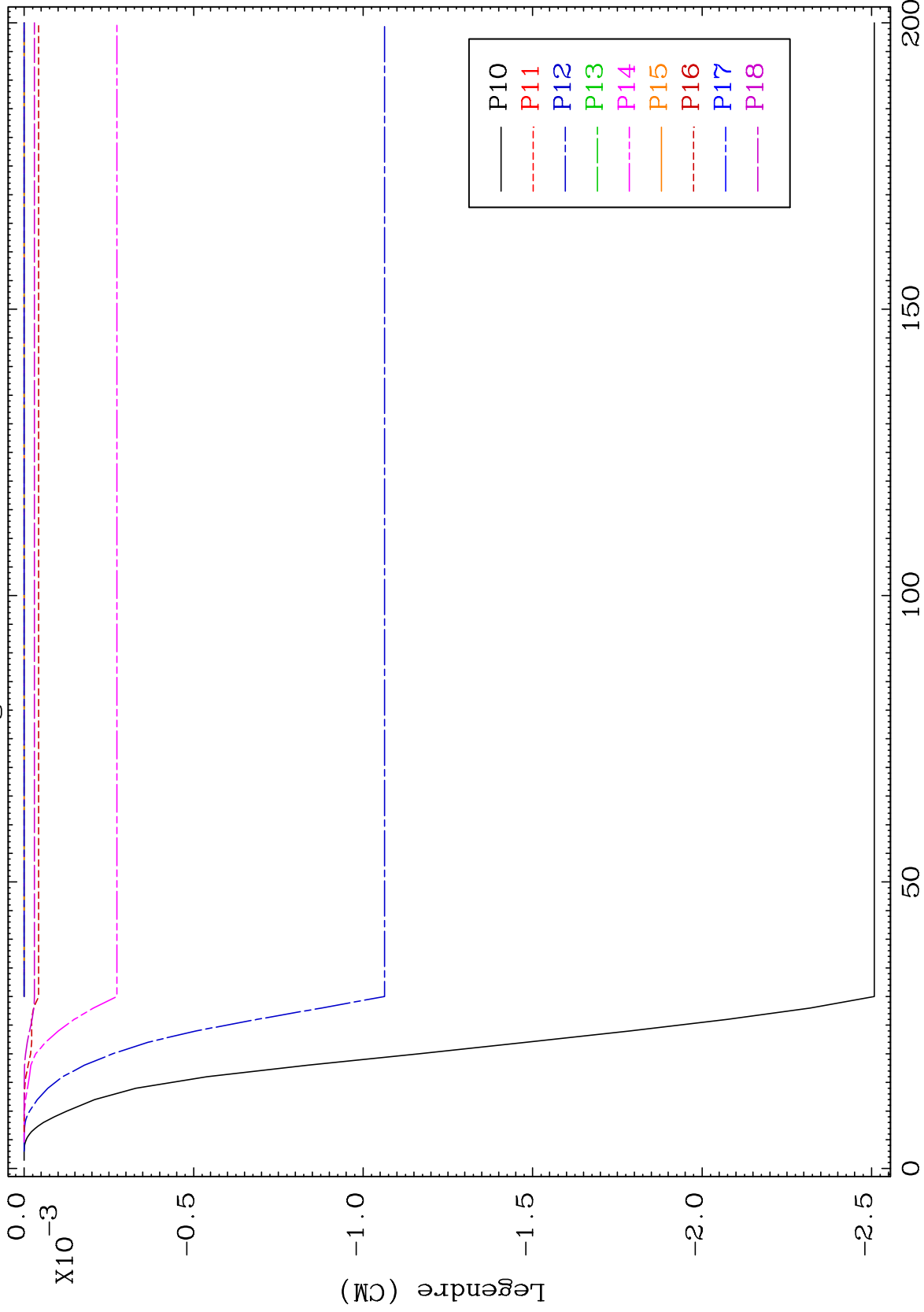
Incident Energy (MeV)

75-Re-186

MAT 7528

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

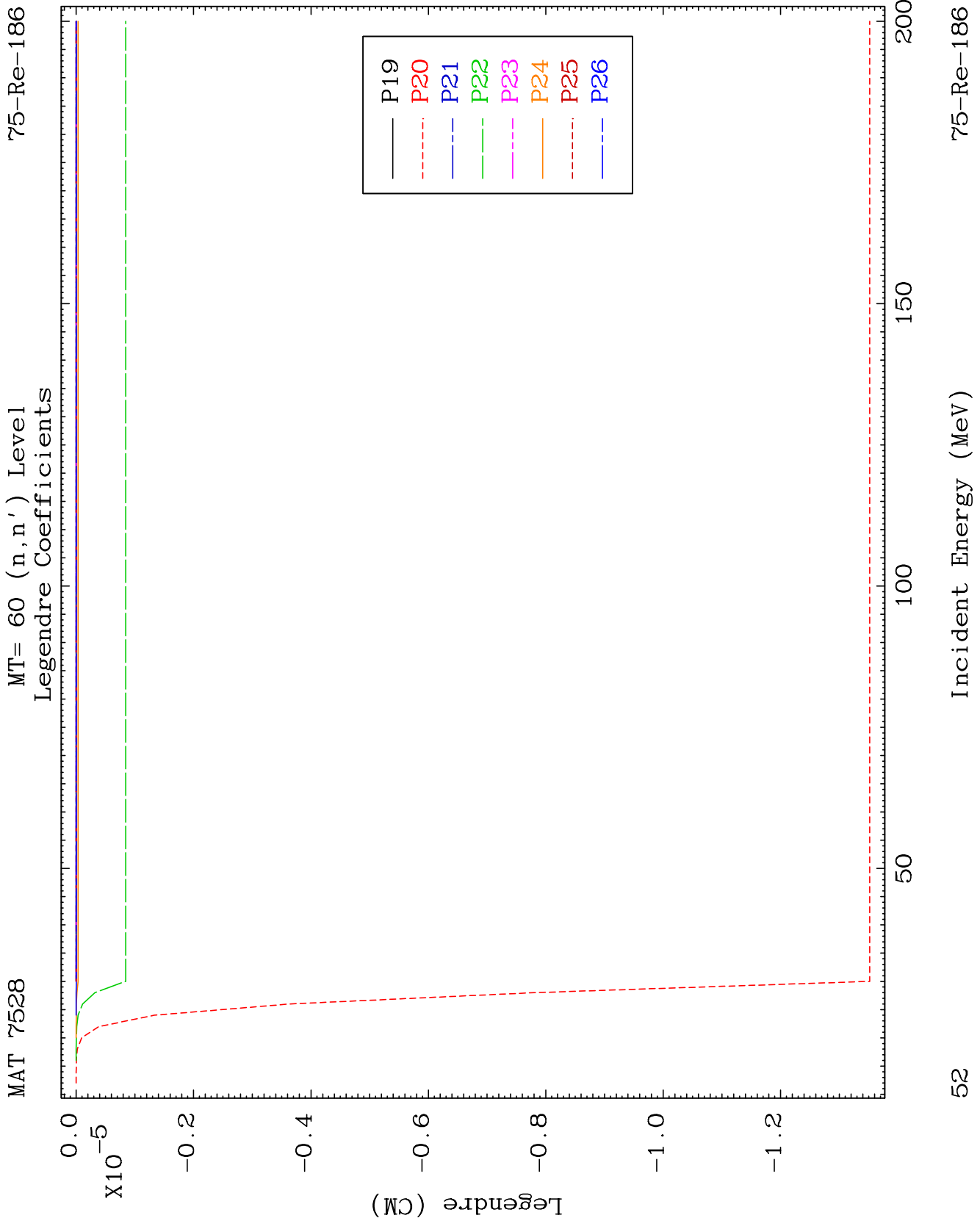
75-Re-186



51

Incident Energy (MeV)

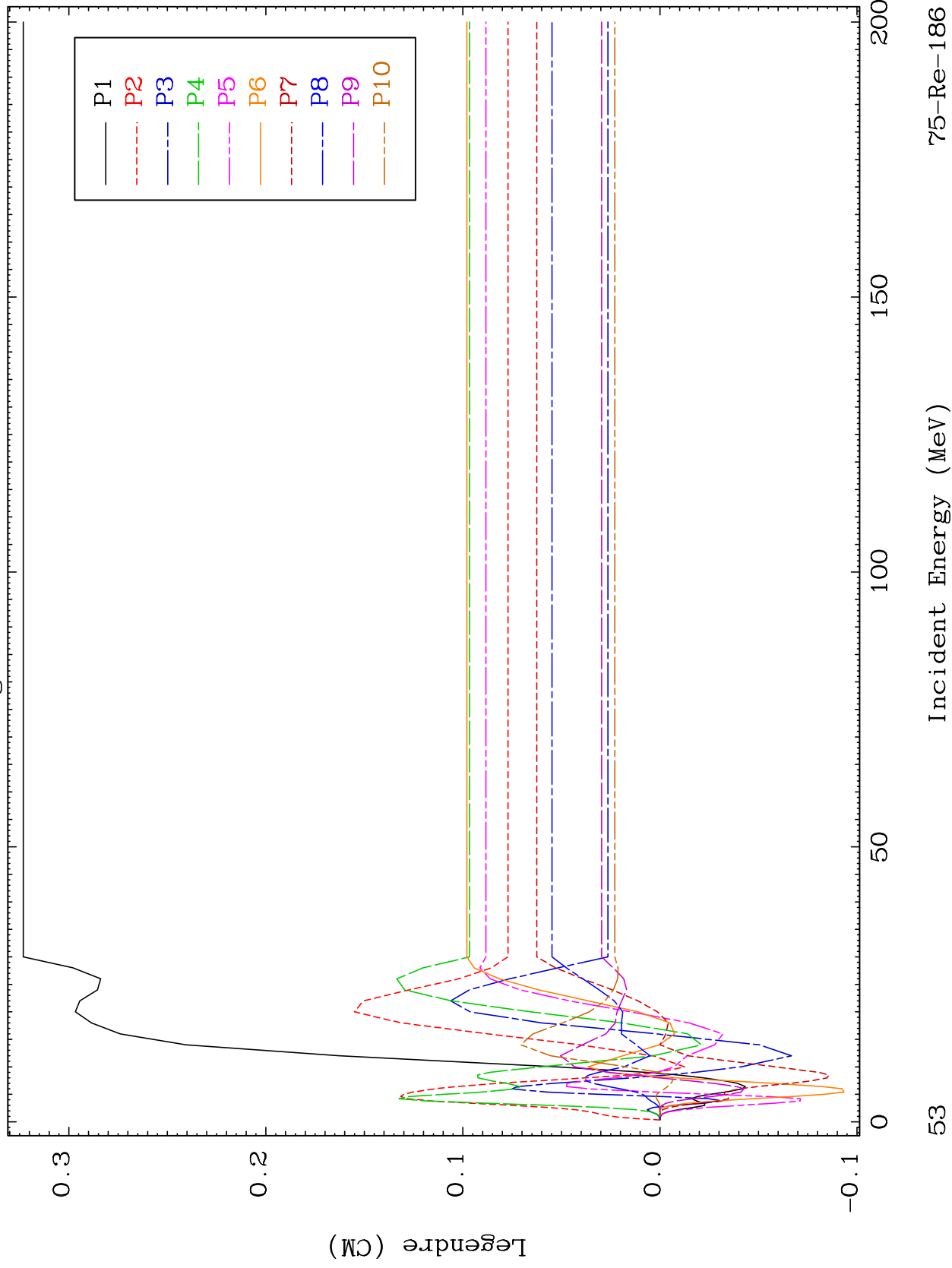
75-Re-186



MAT 7528

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

75-Re-186



75-Re-186

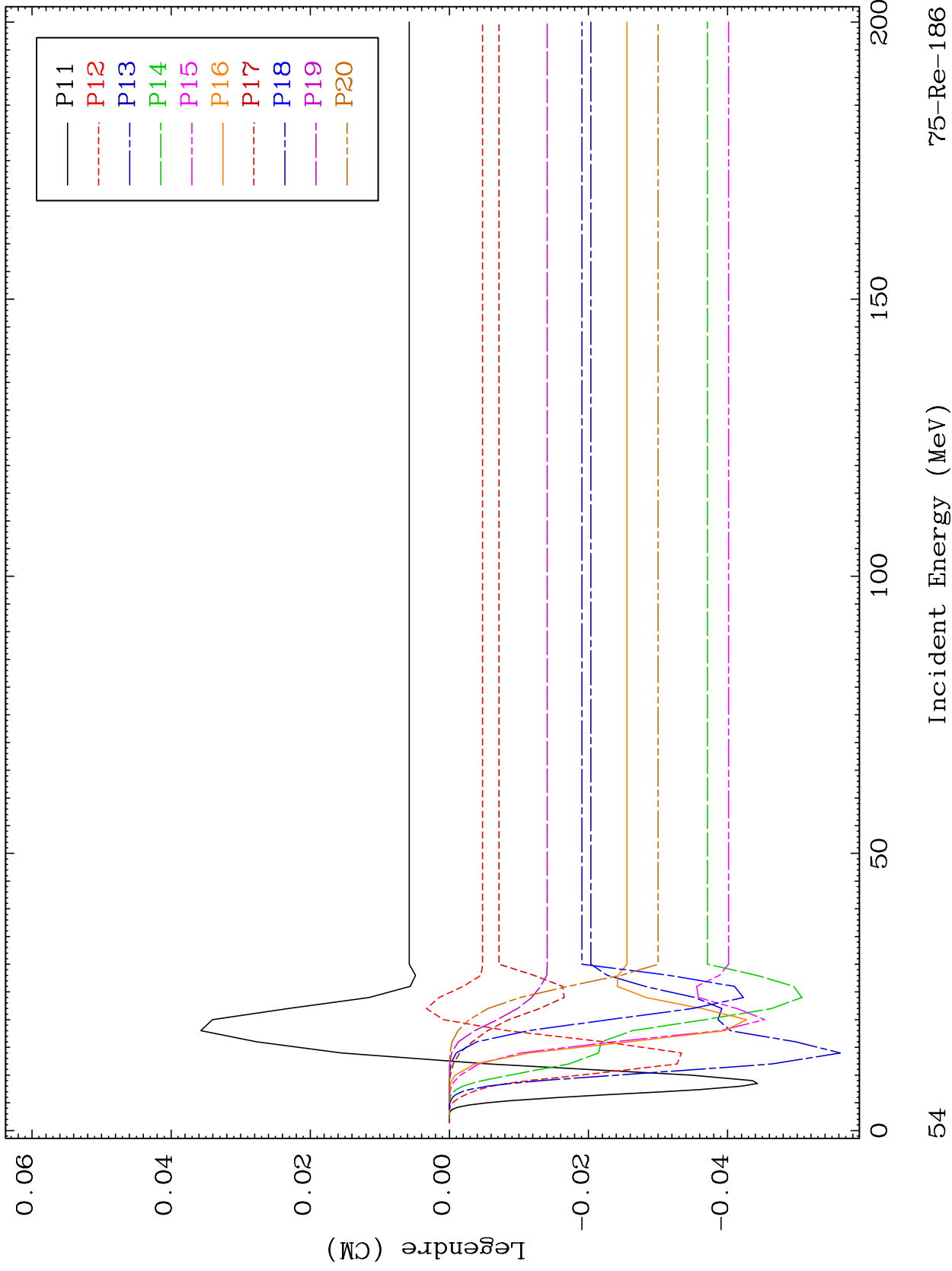
Incident Energy (MeV)

53

MAT 7528

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

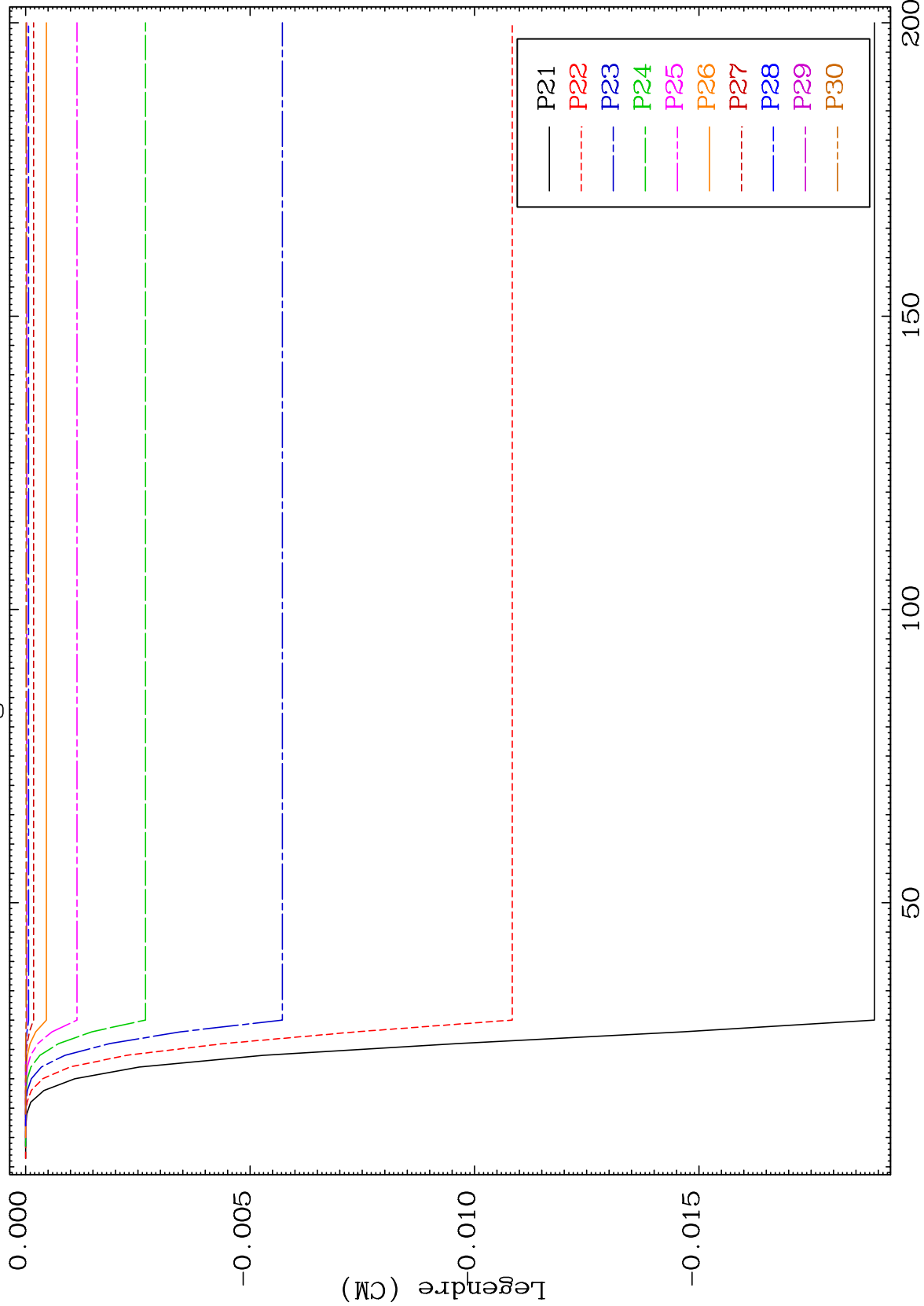
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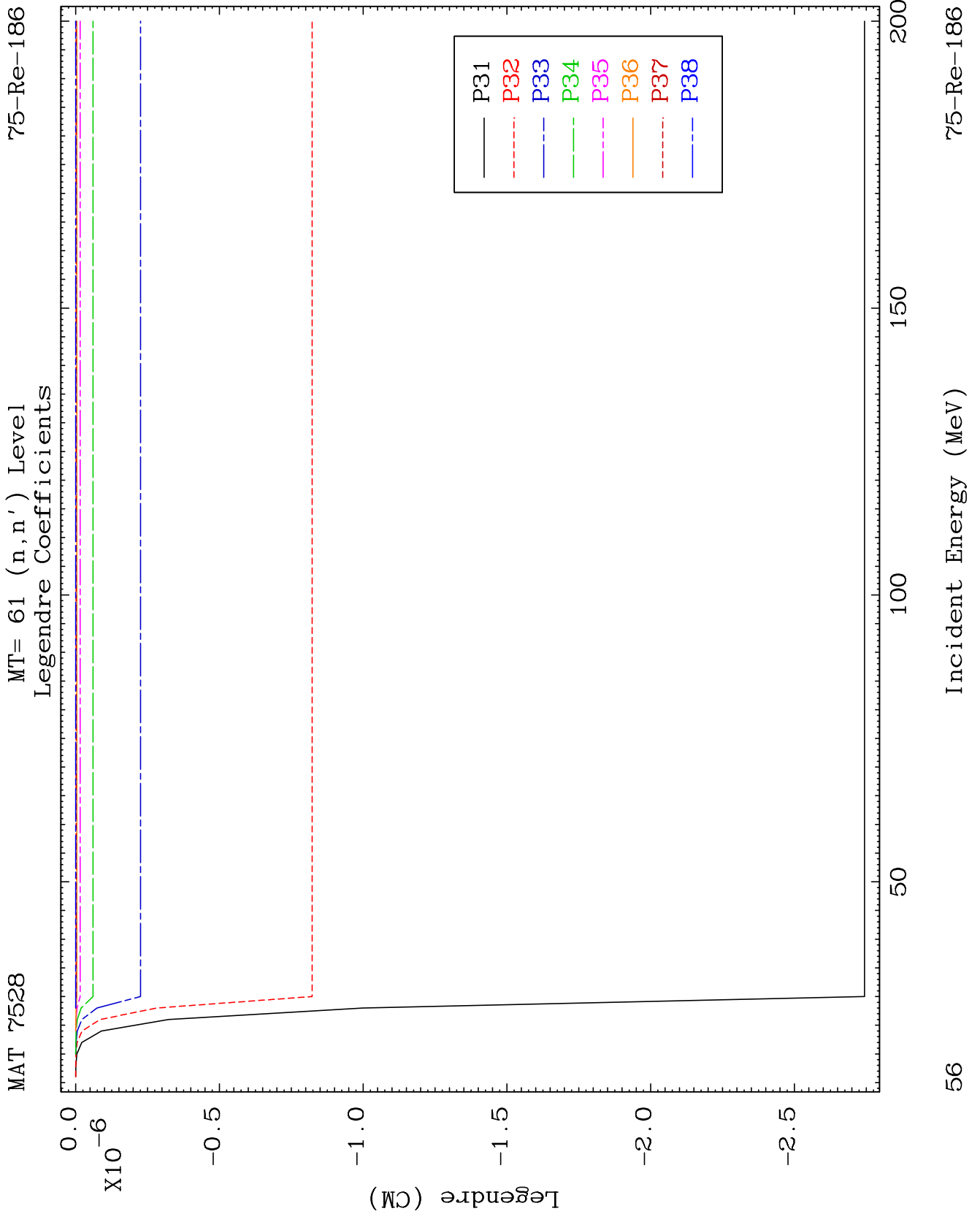


54

Incident Energy (MeV)

75-Re-186

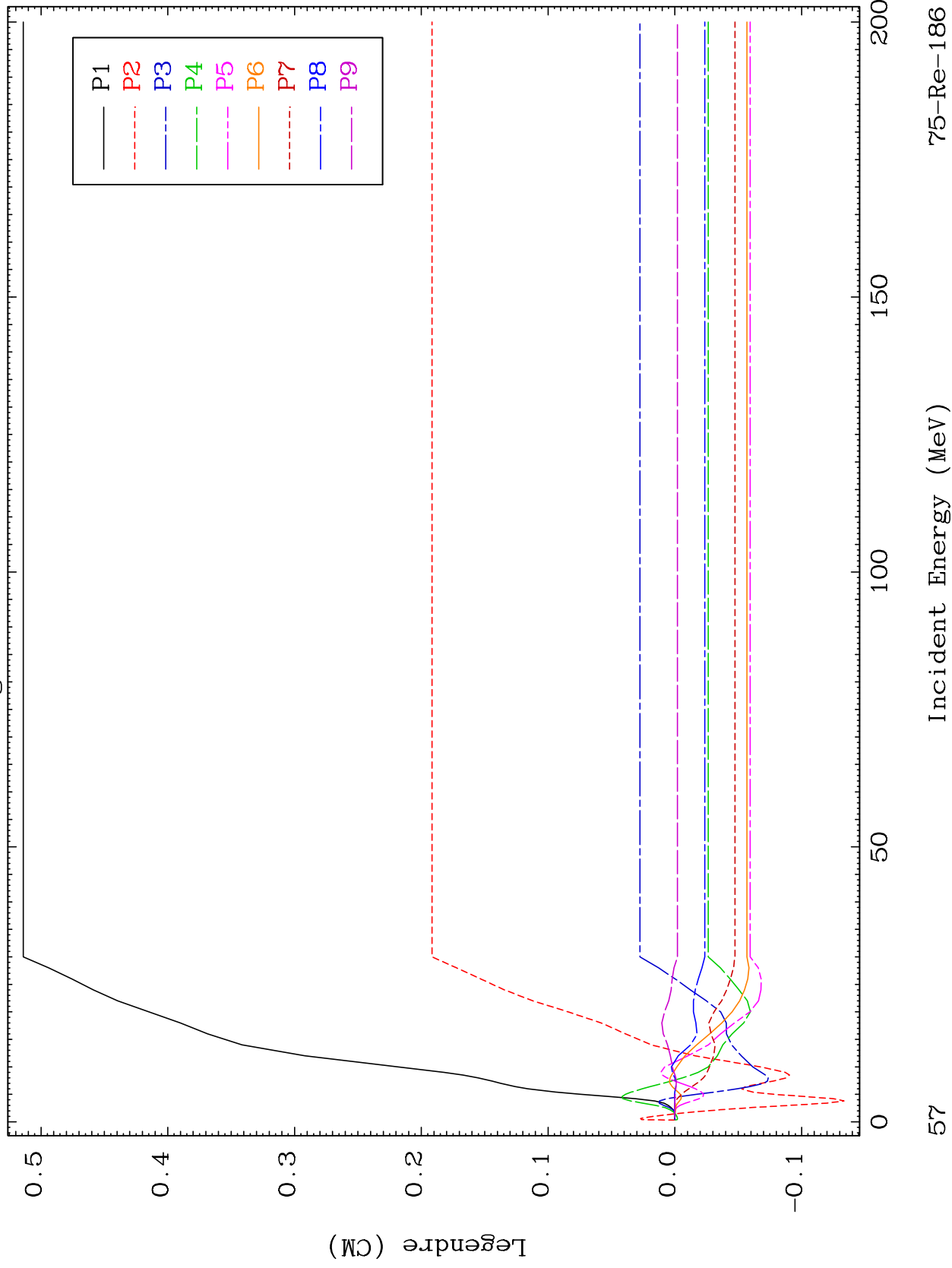




MAT 7528

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

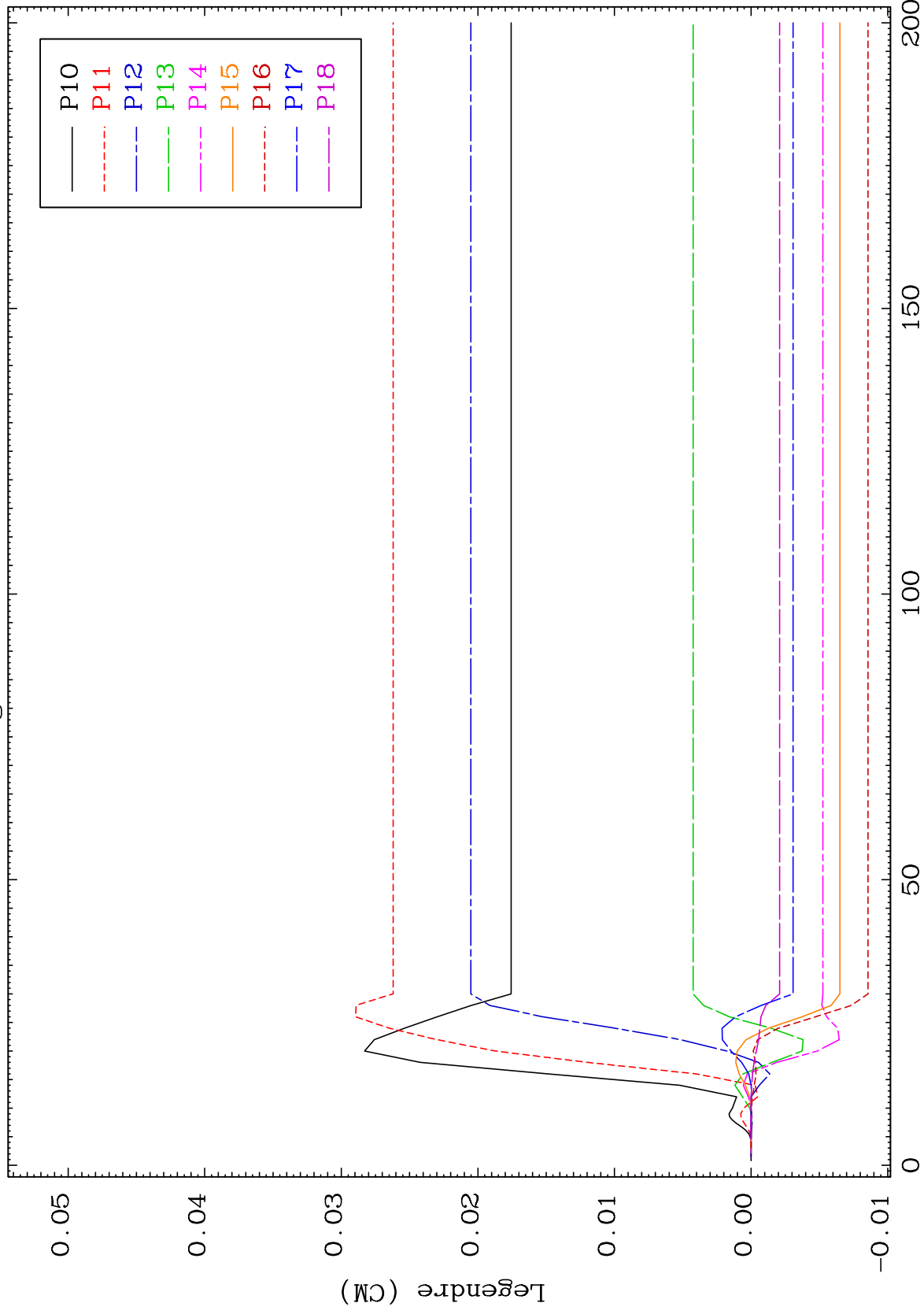
75-Re-186



MAT 7528

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

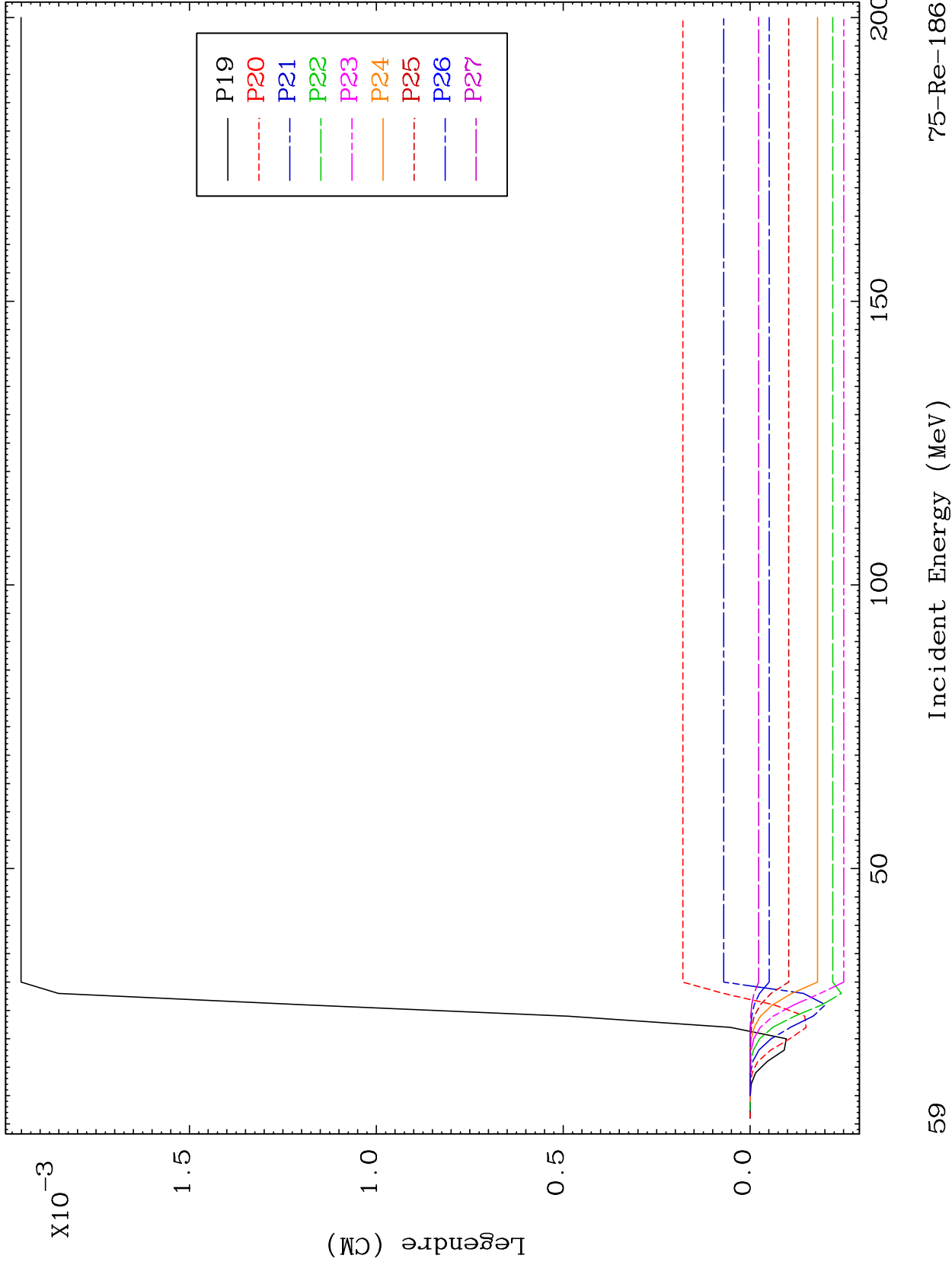
75-Re-186



58

Incident Energy (MeV)

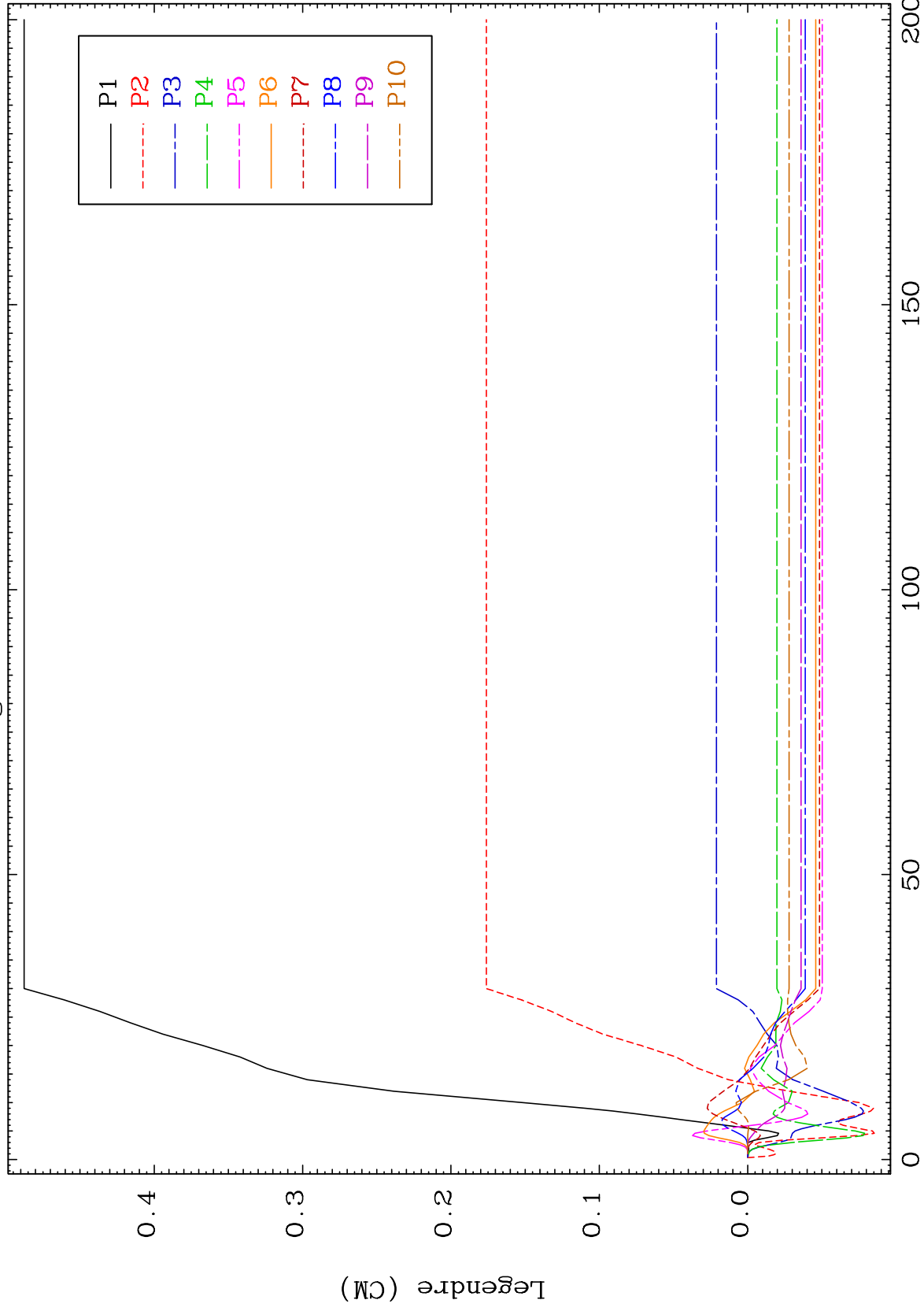
75-Re-186



MAT 7528

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

75-Re-186



61

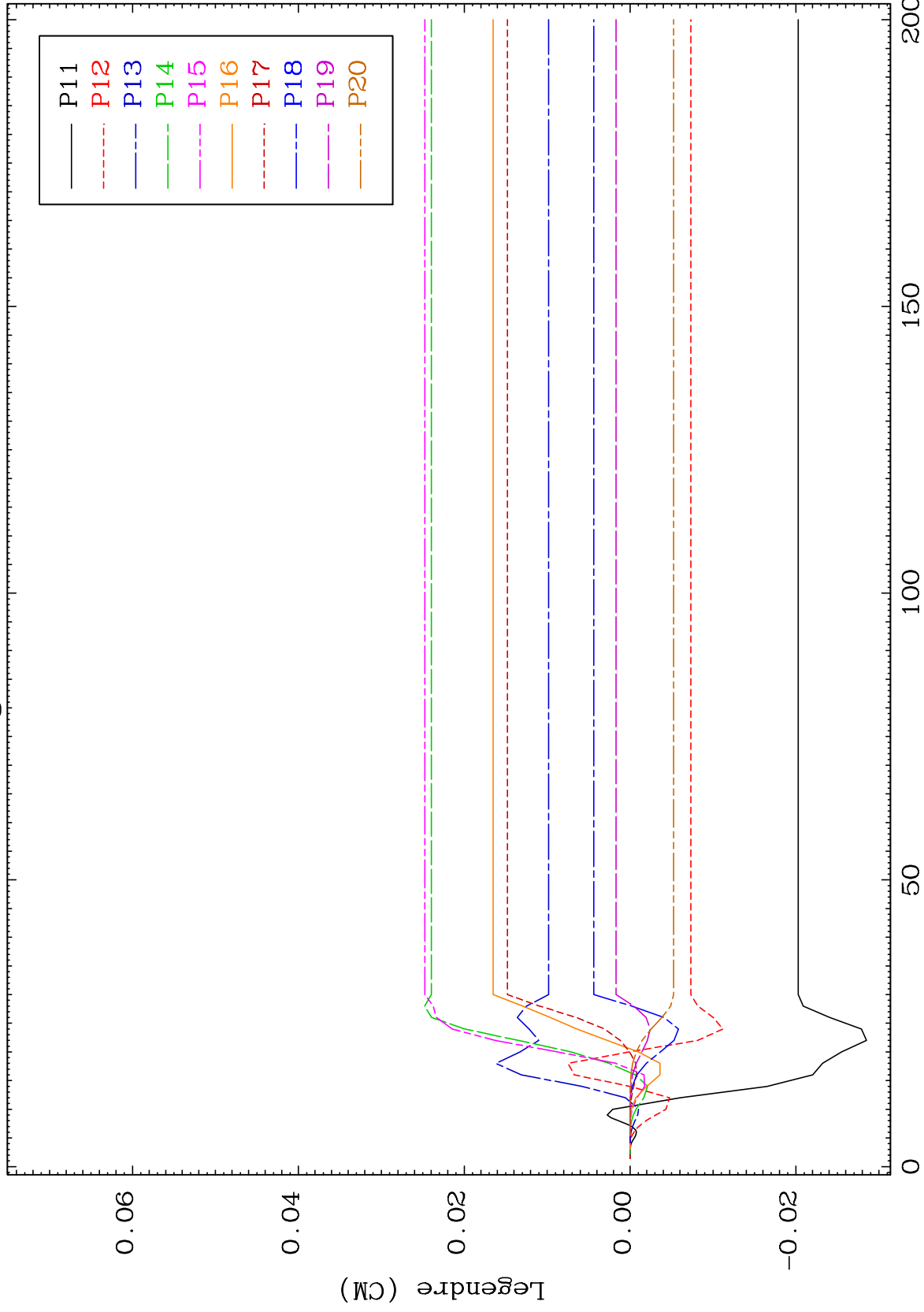
Incident Energy (MeV)

75-Re-186

MAT 7528

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

75-Re-186



75-Re-186

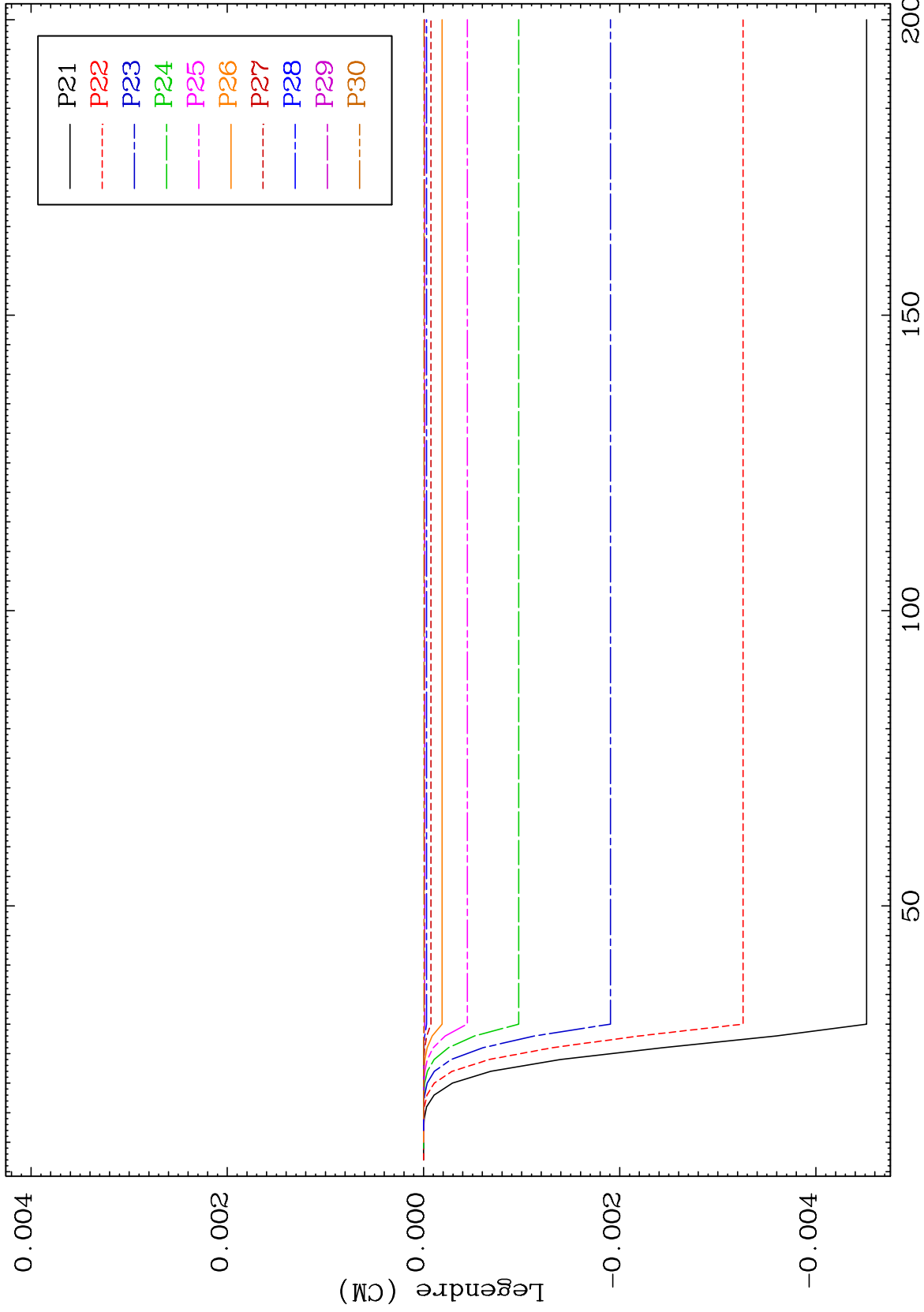
Incident Energy (MeV)

62

MAT 7528

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

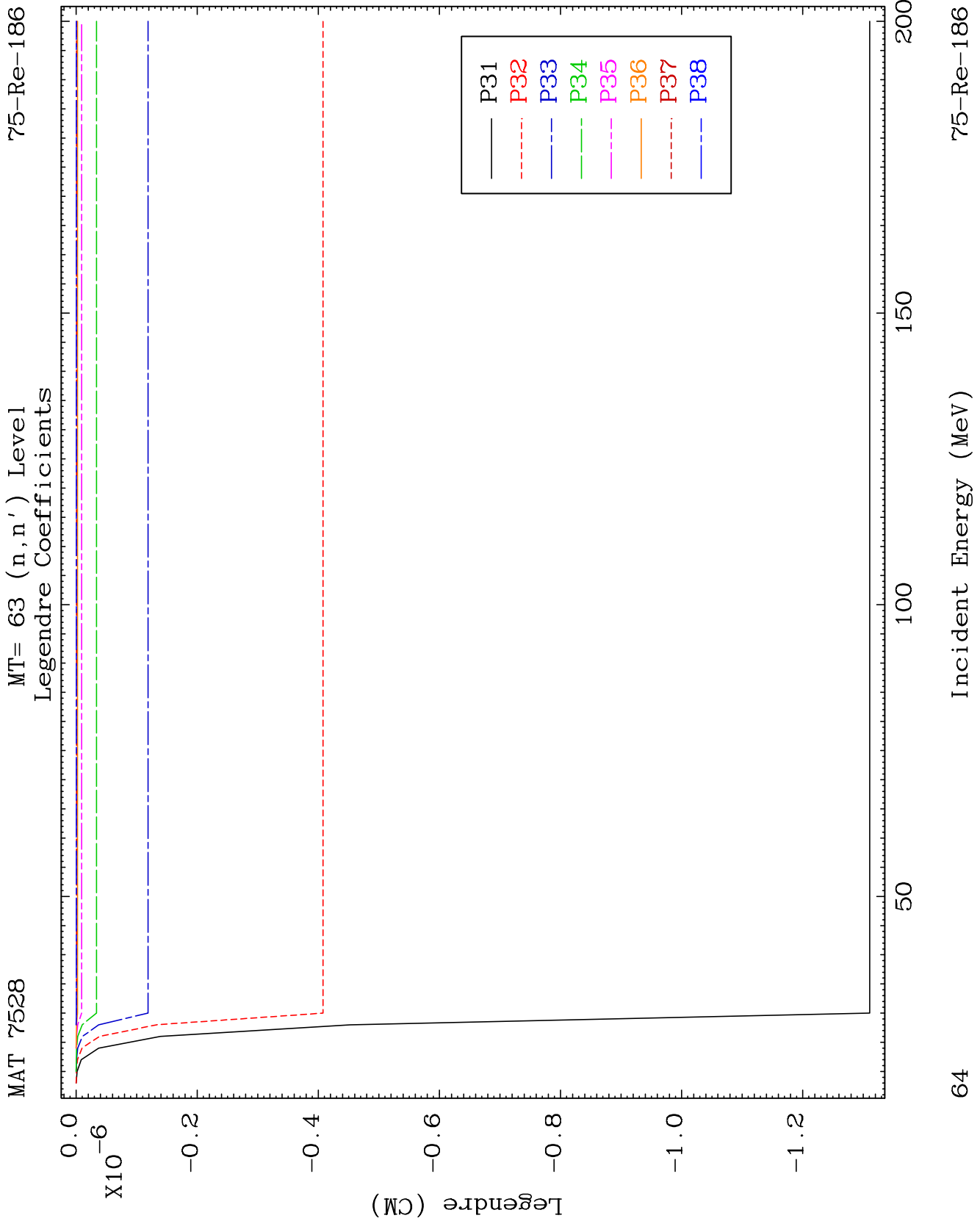
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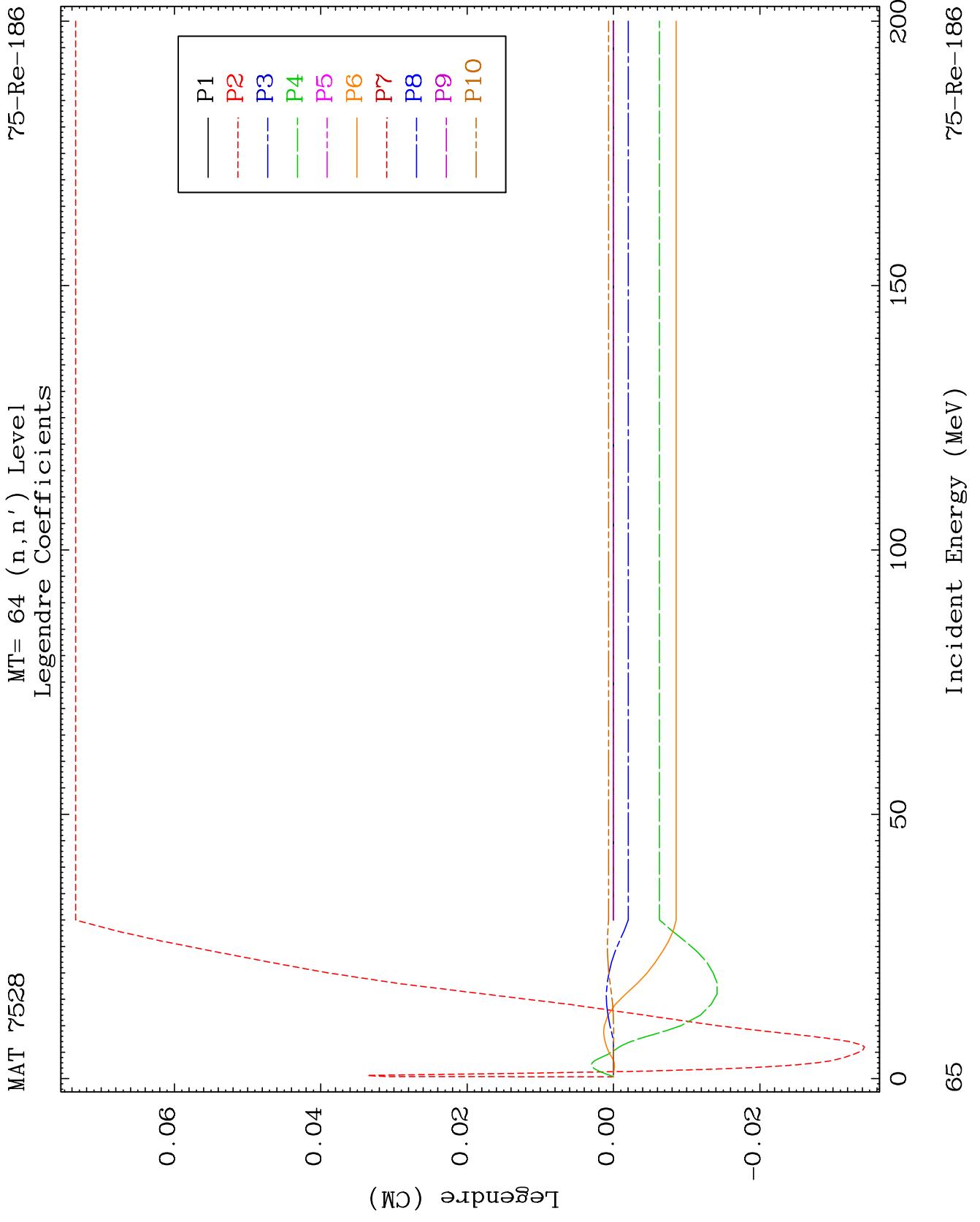


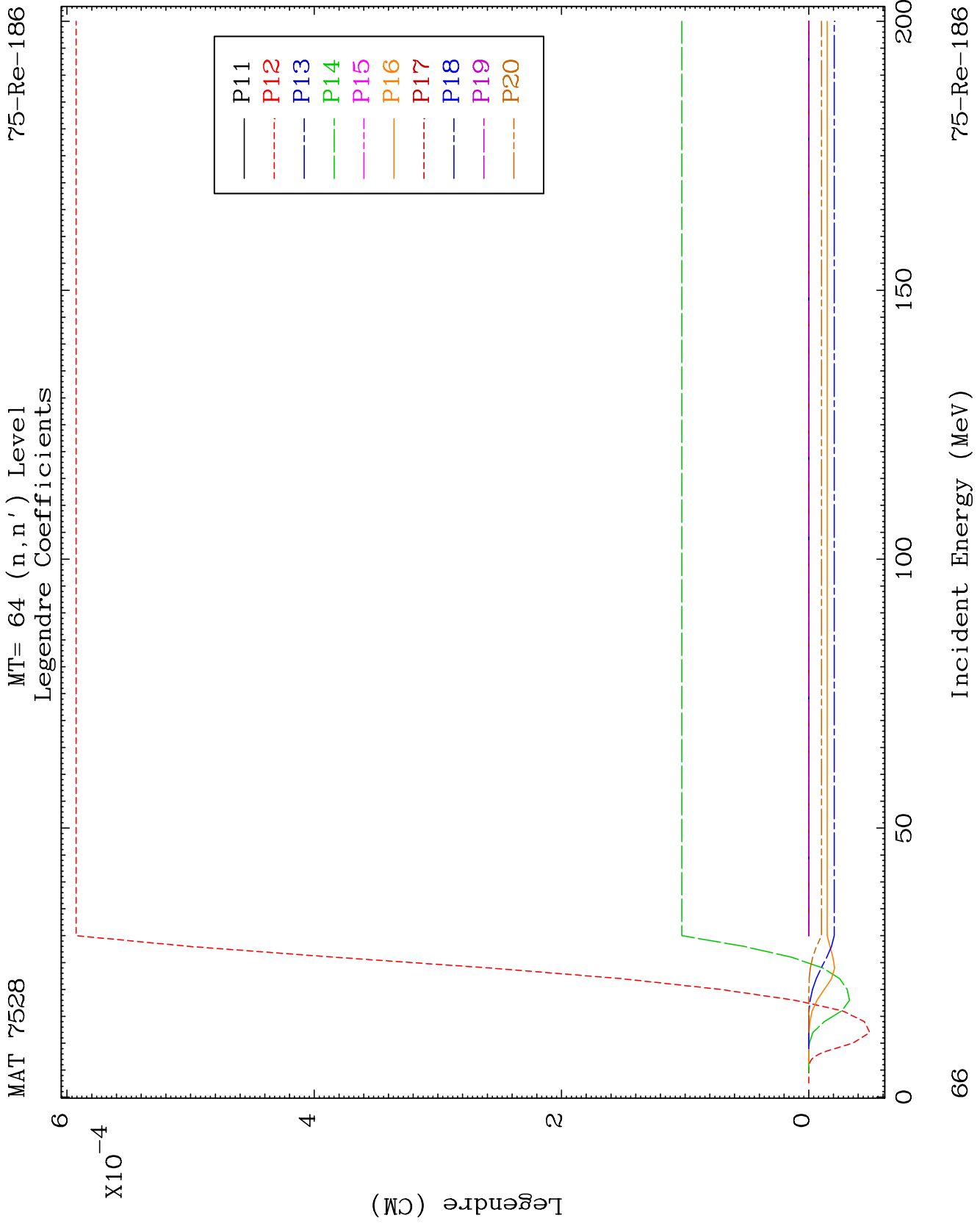
63

Incident Energy (MeV)

75-Re-186







75-Re-186

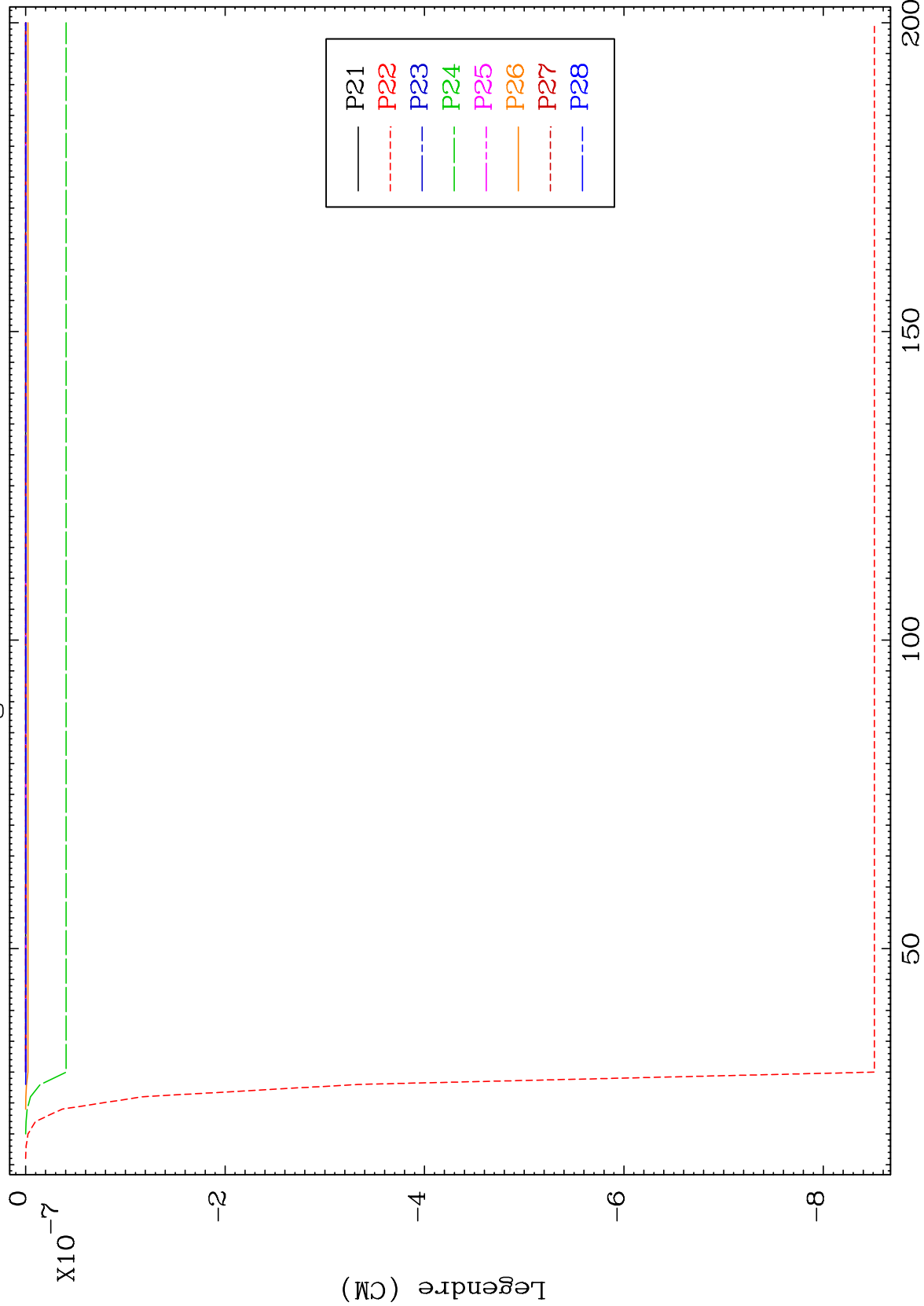
Incident Energy (MeV)

66

MAT 7528

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

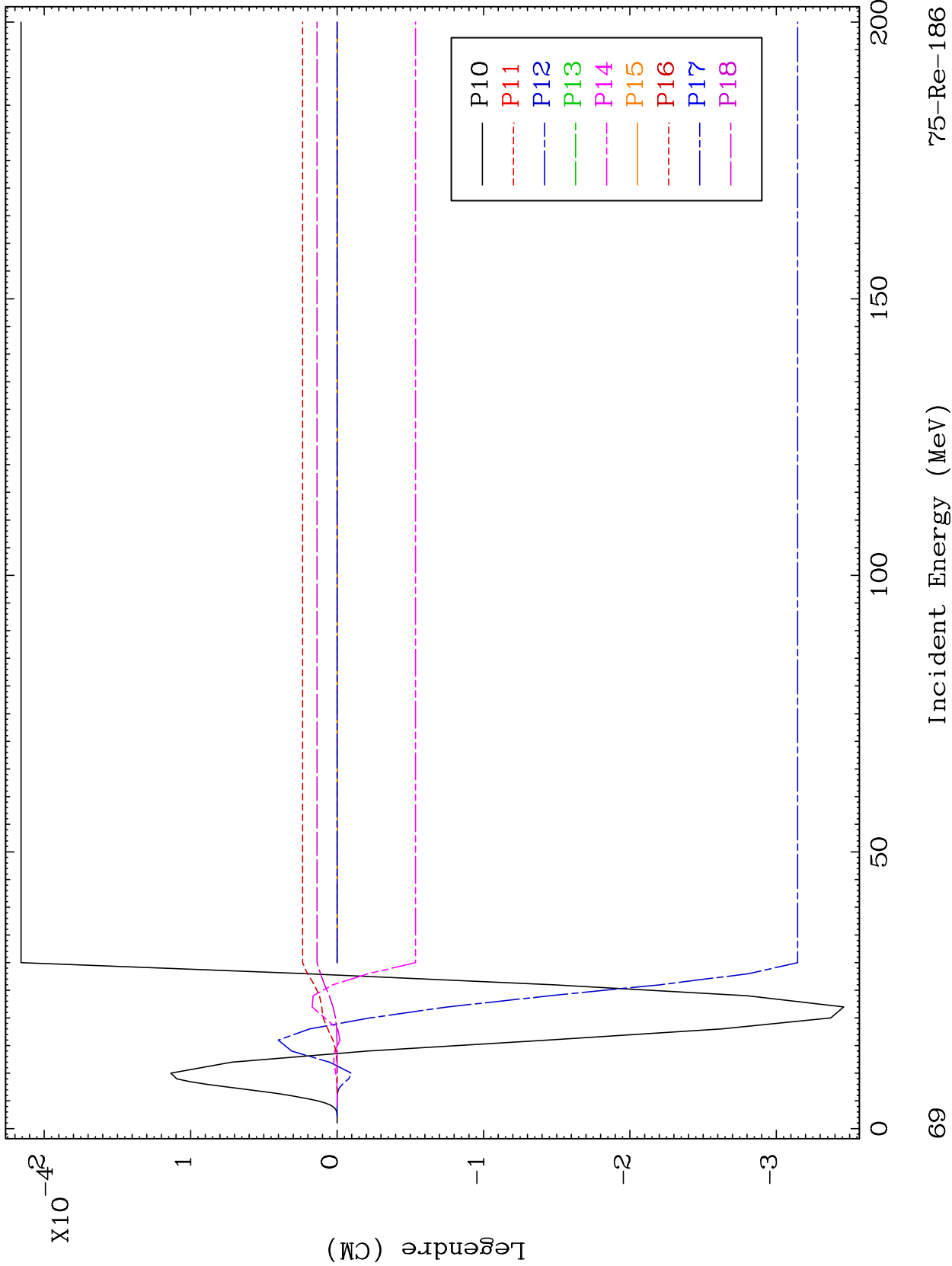
75-Re-186

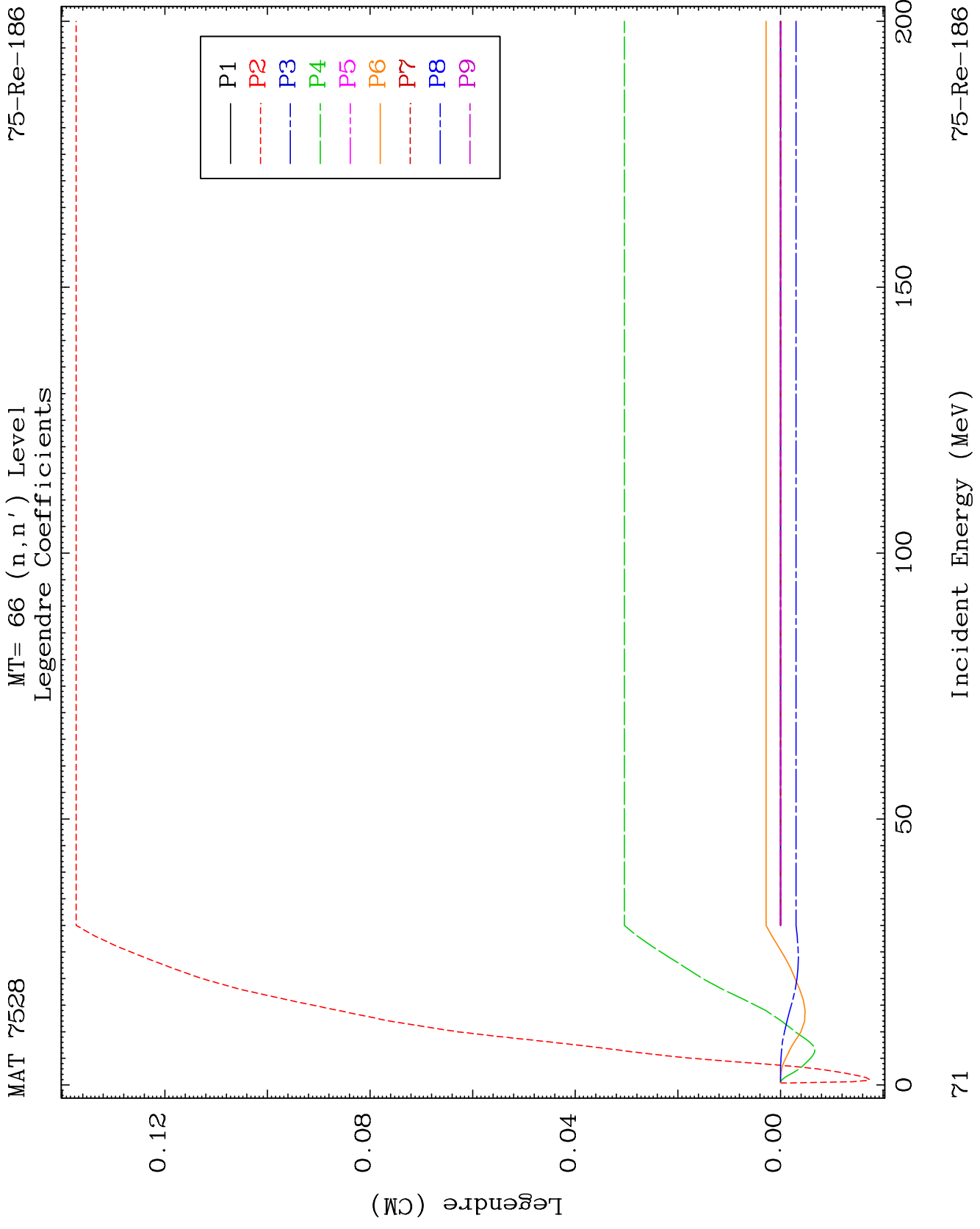


67

Incident Energy (MeV)

75-Re-186

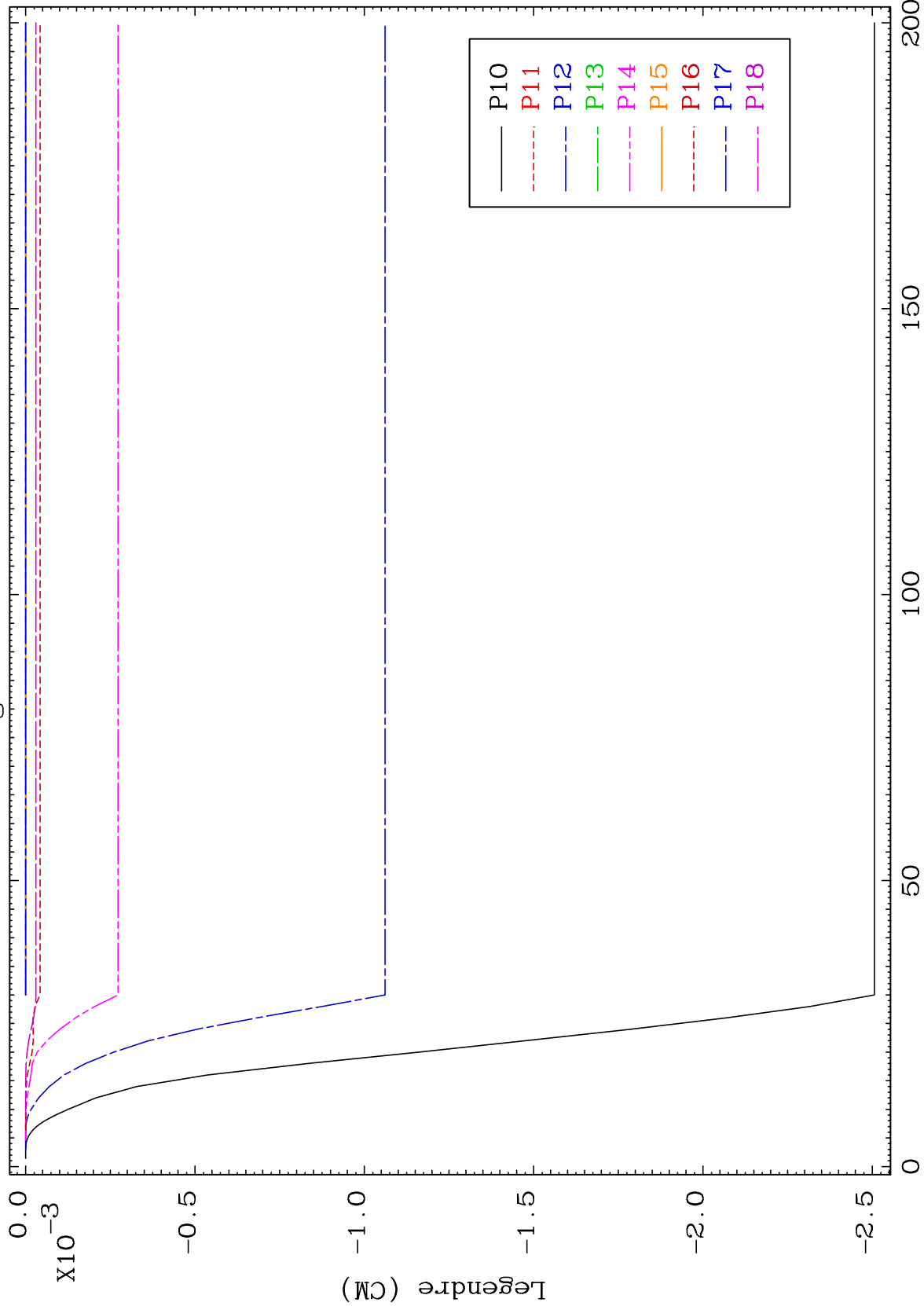




MAT 7528

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

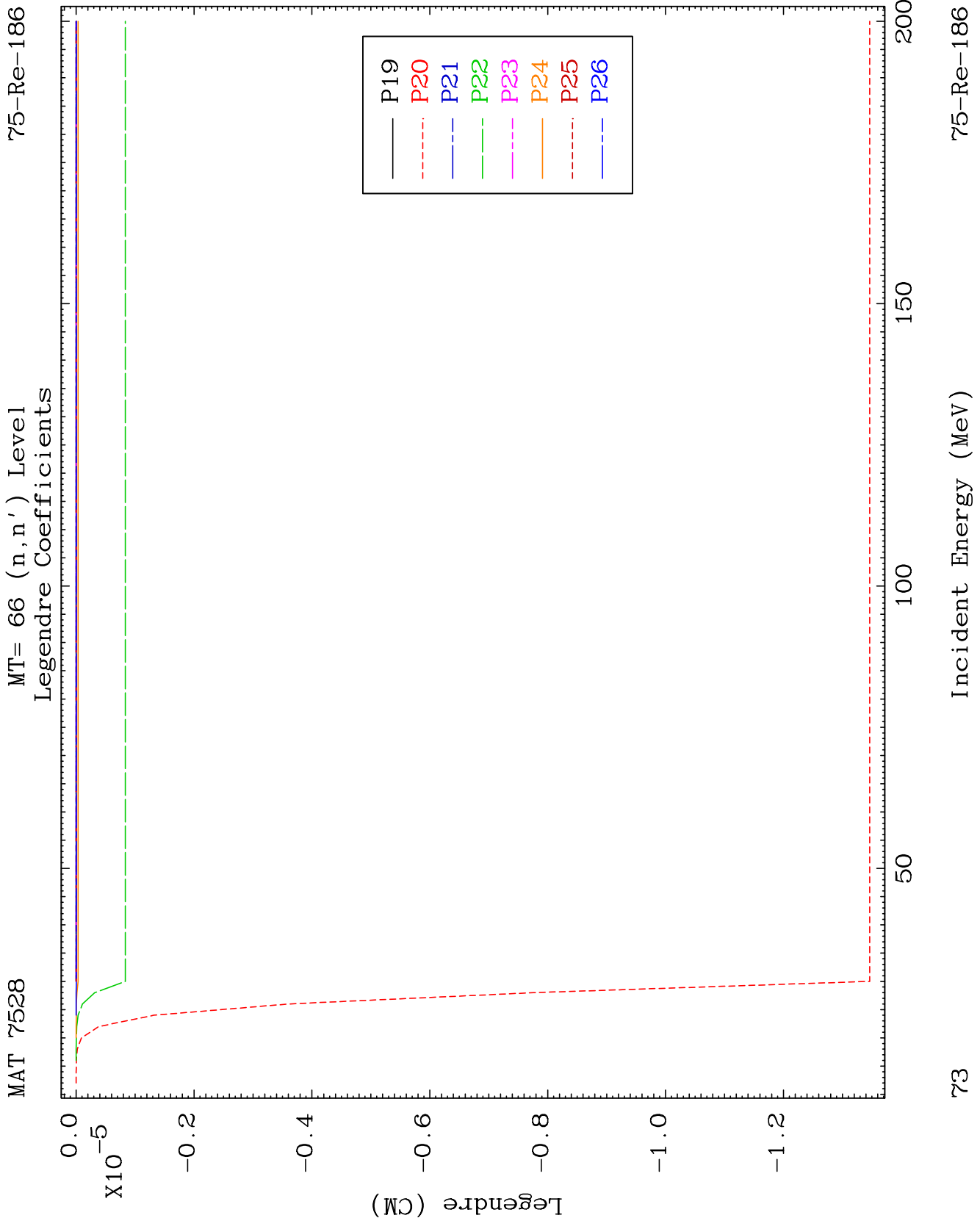
75-Re-186



72

Incident Energy (MeV)

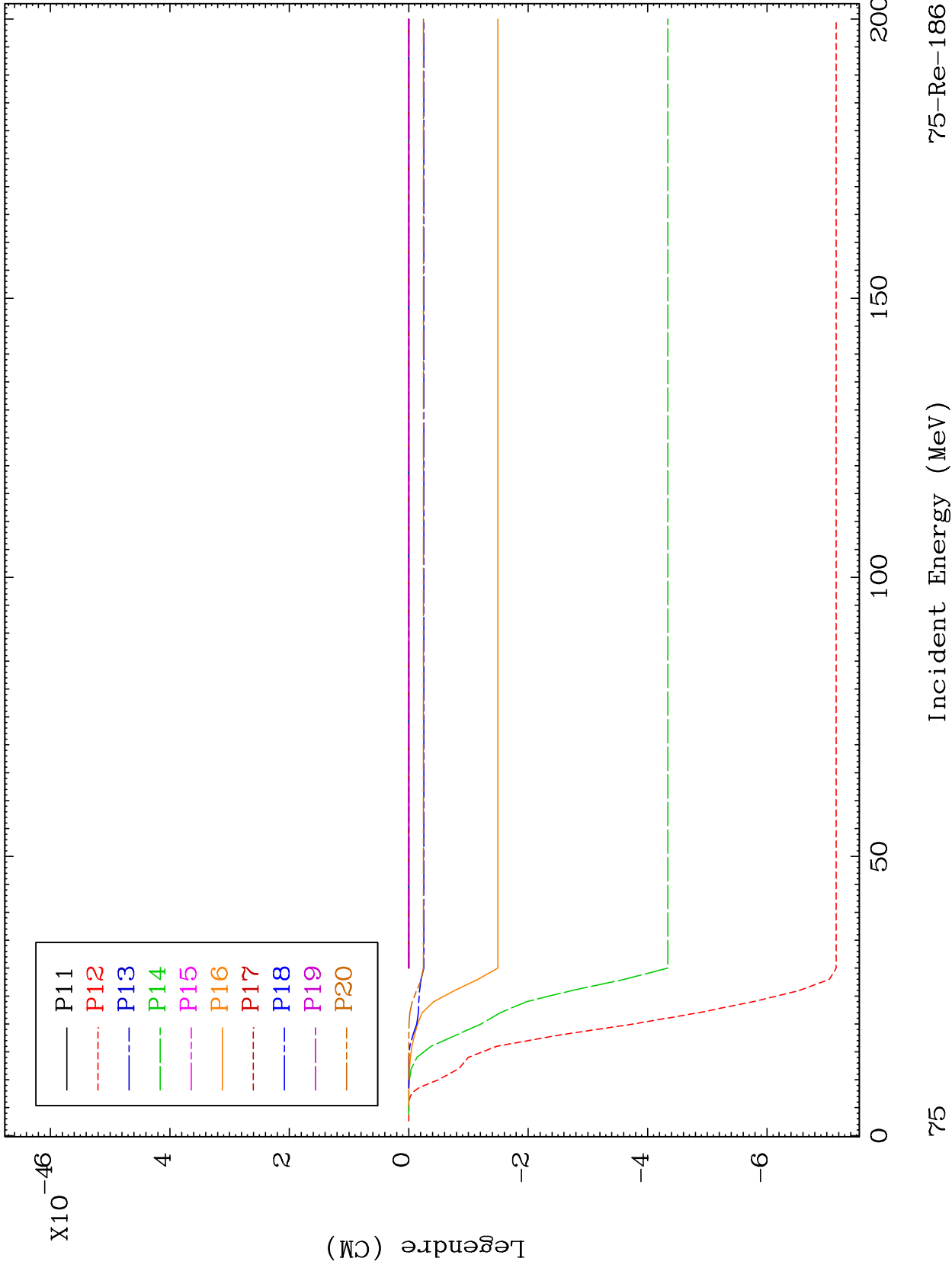
75-Re-186

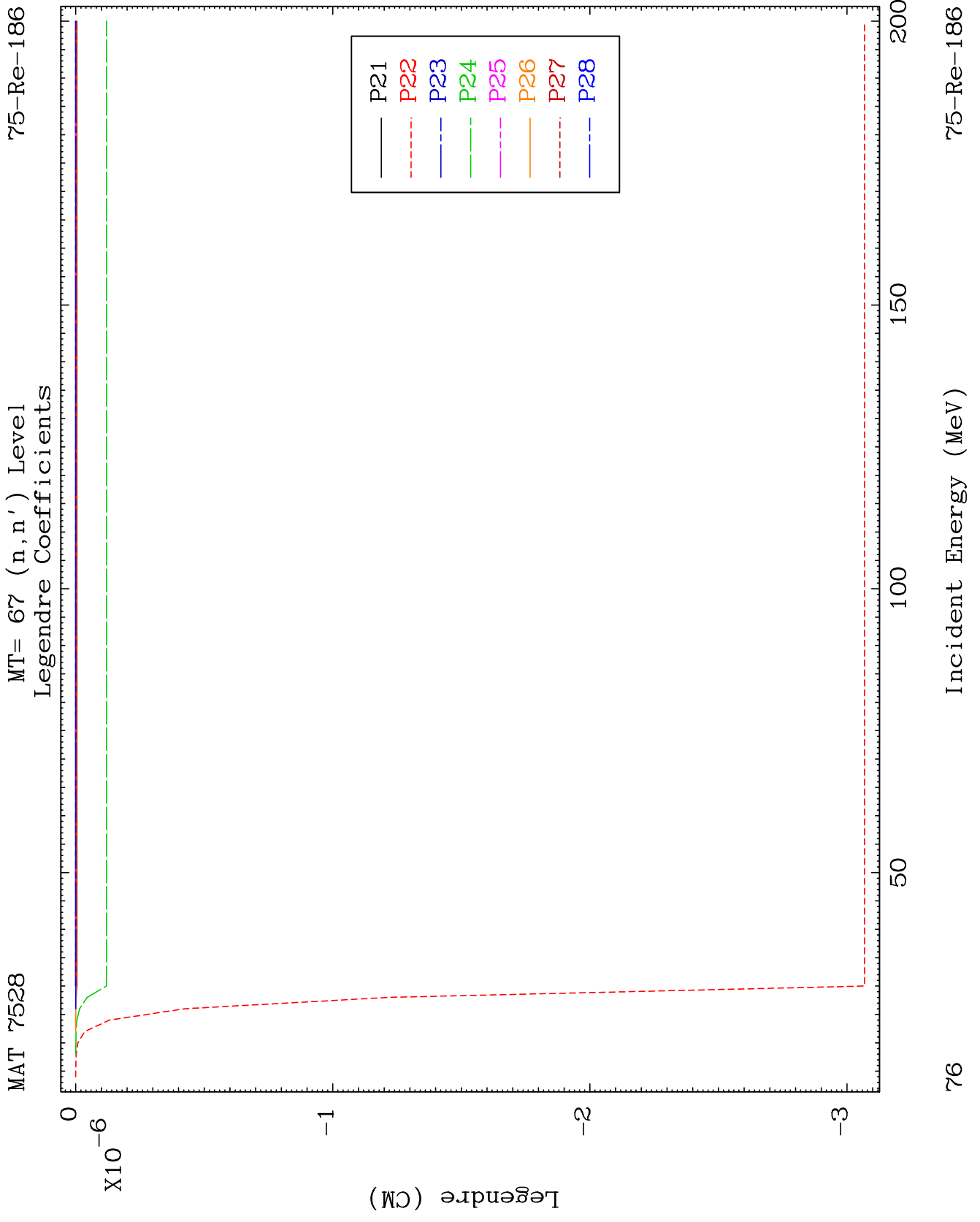


MAT 7528

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

75-Re-186

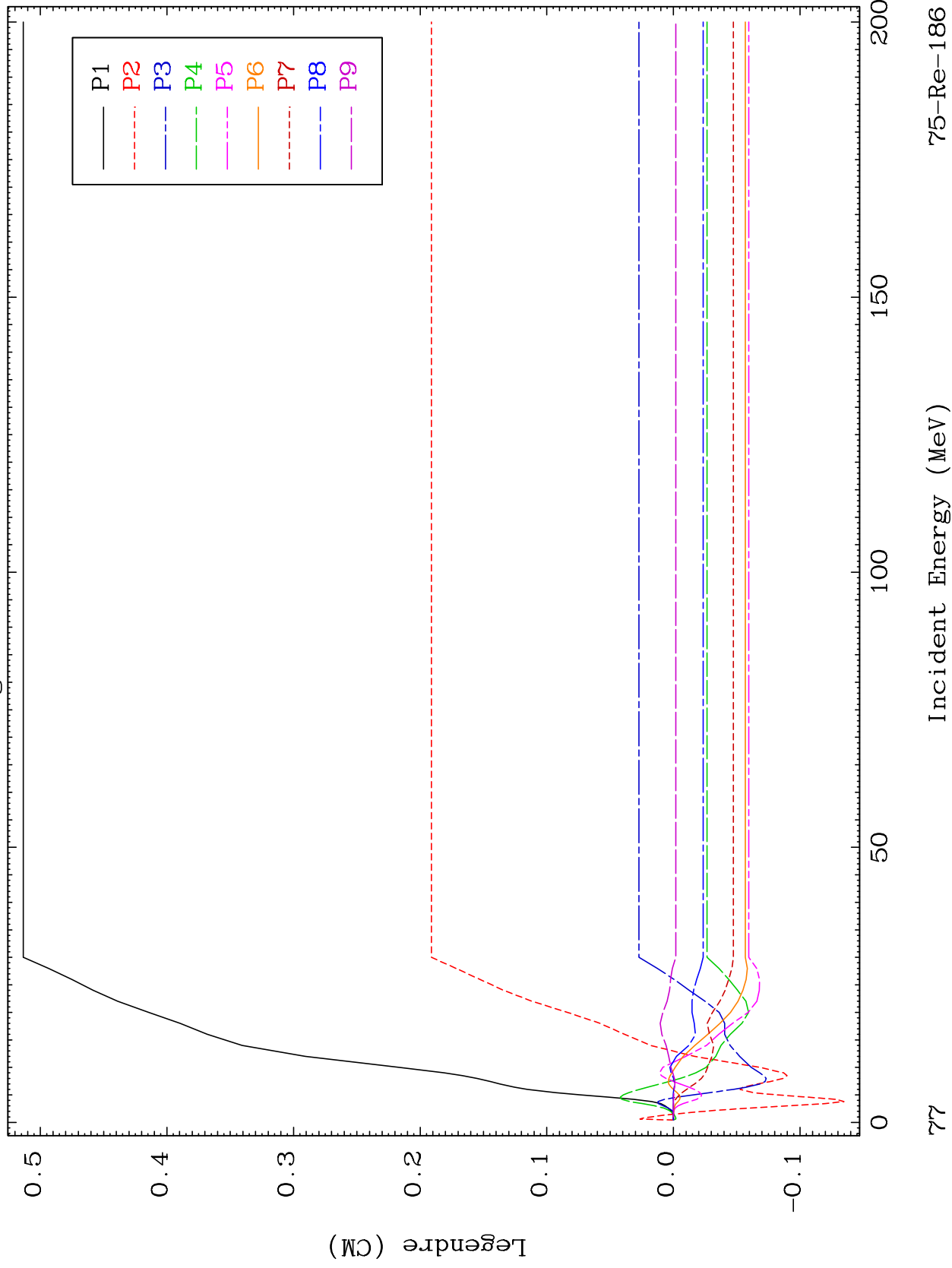




MAT 7528

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

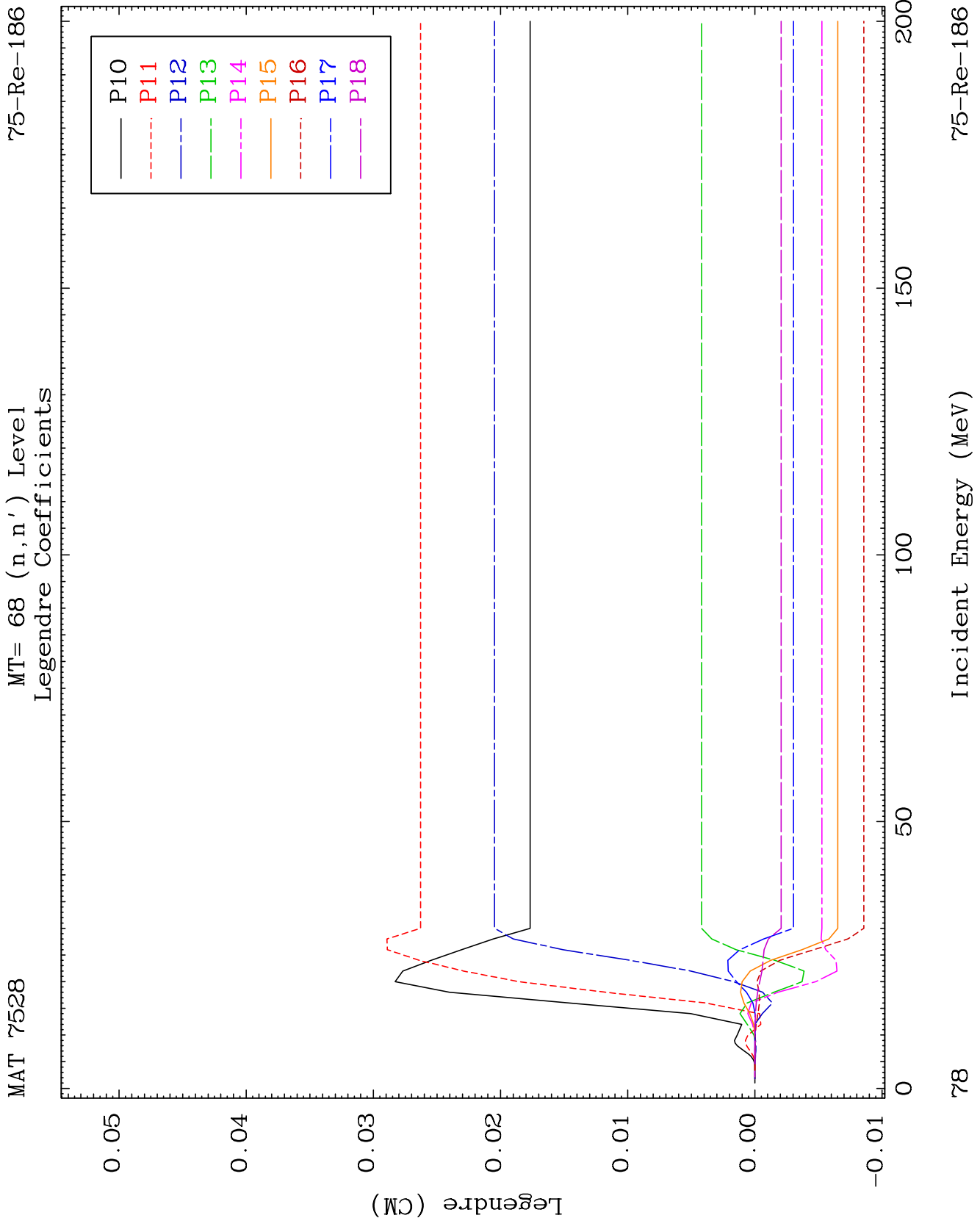
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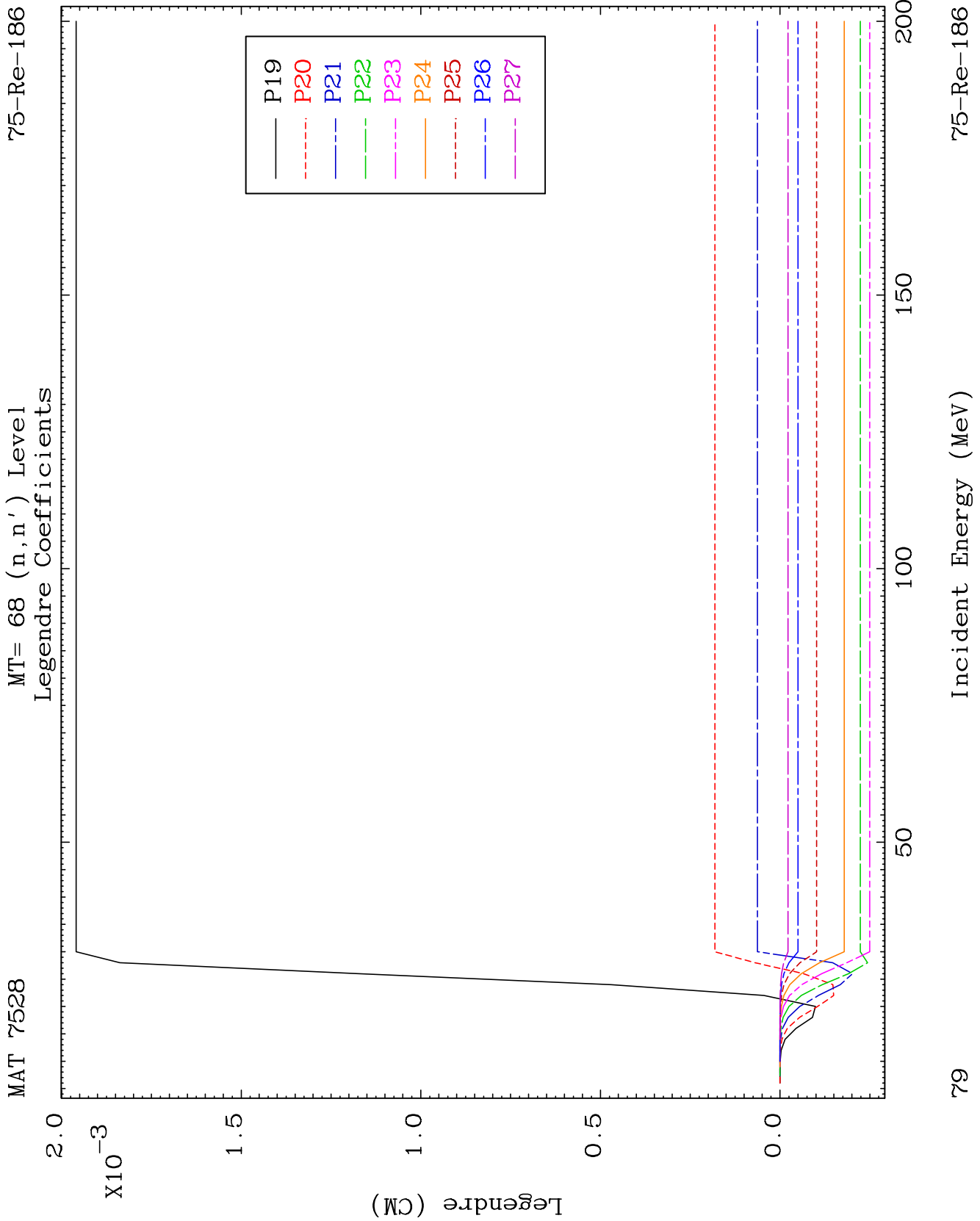


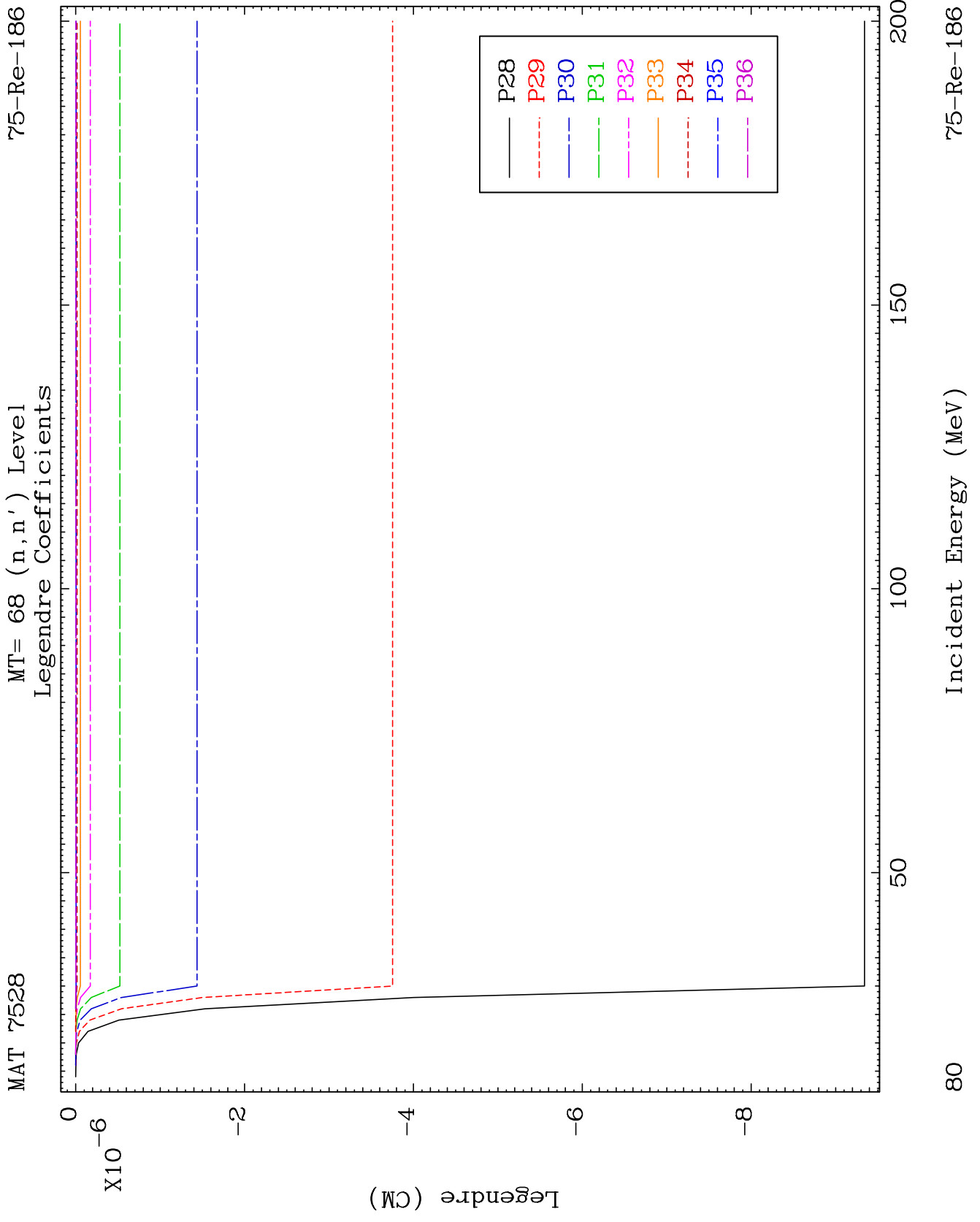
77

Incident Energy (MeV)

75-Re-186



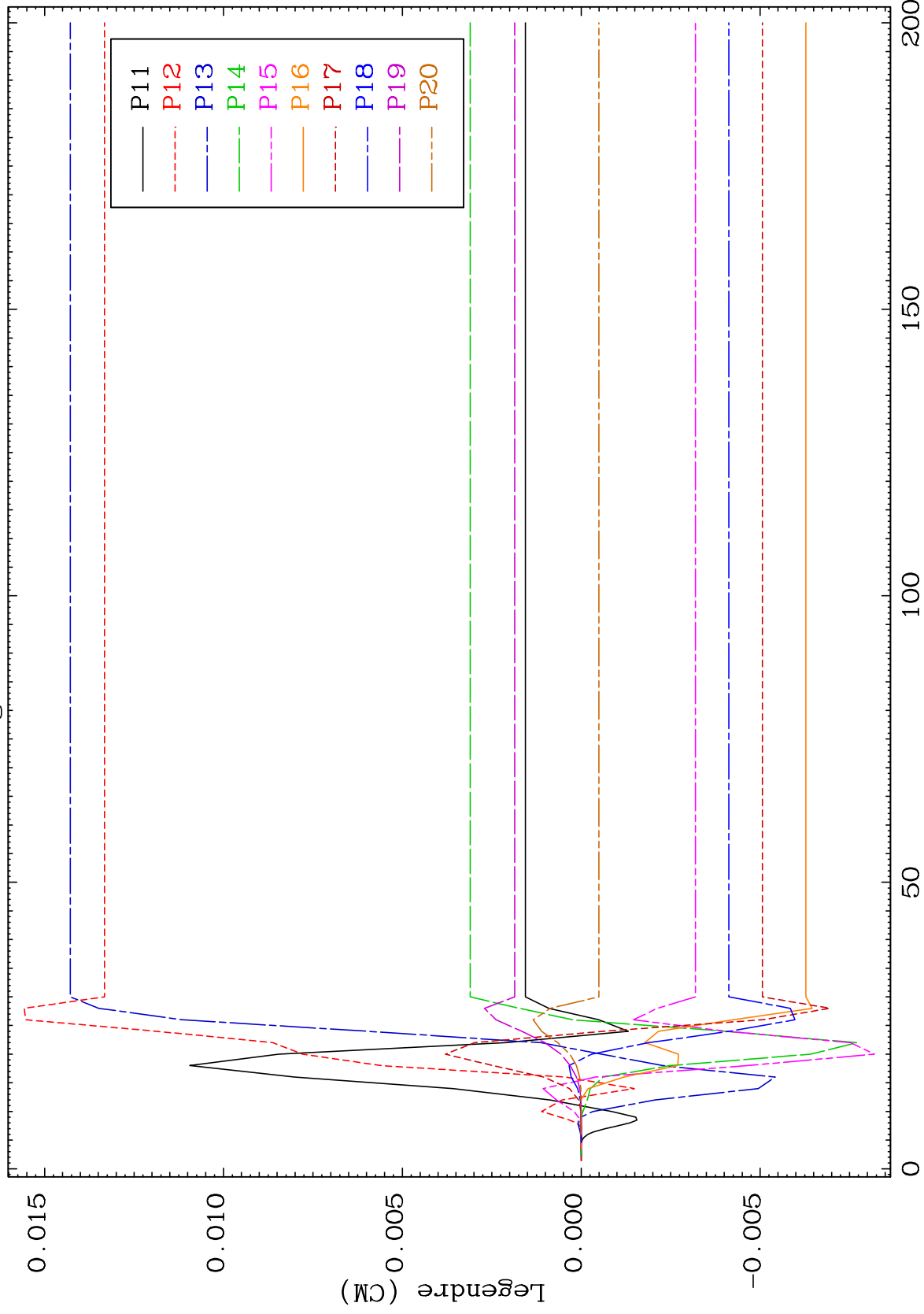




MAT 7528

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

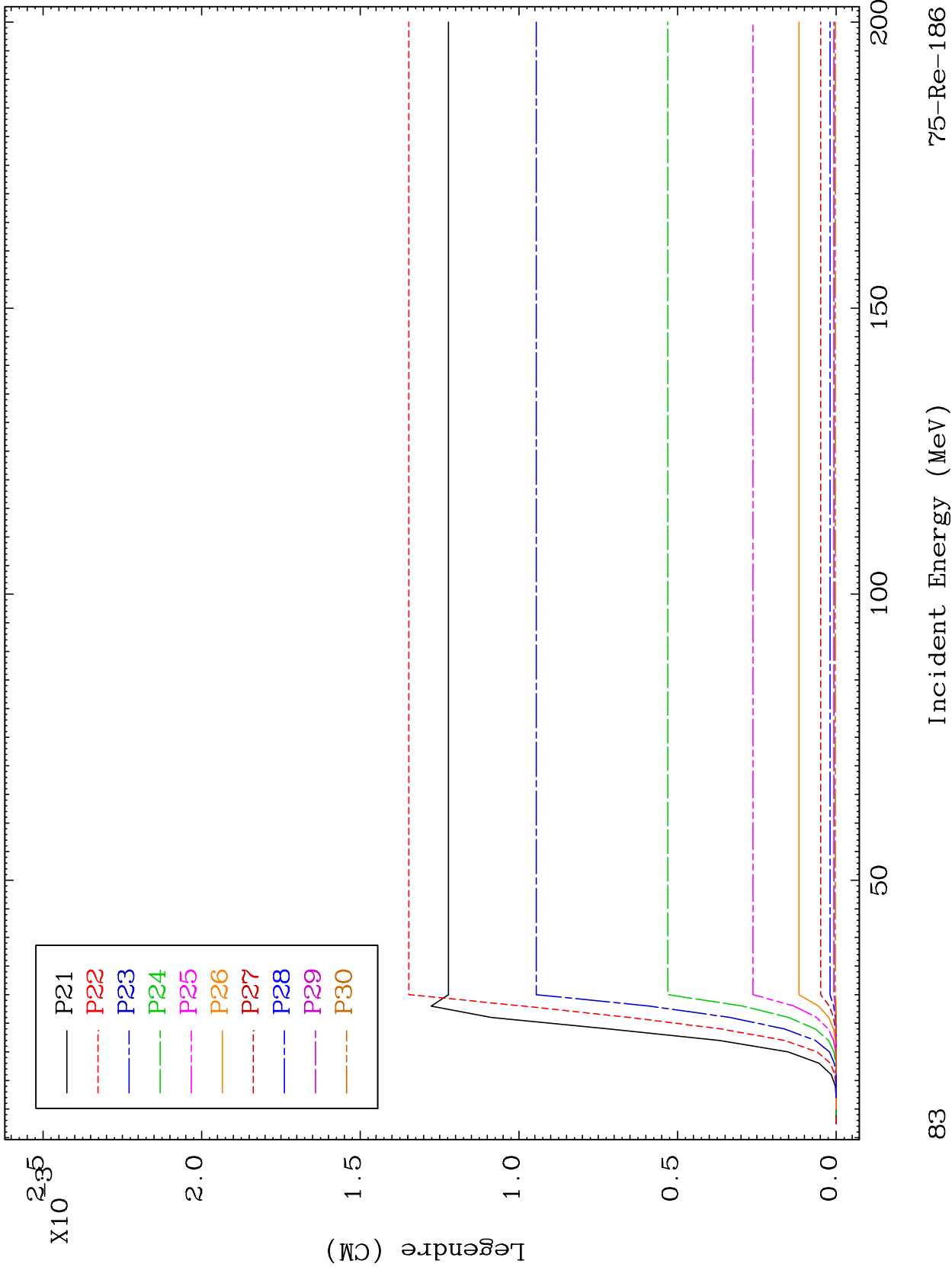
75-Re-186



82

Incident Energy (MeV)

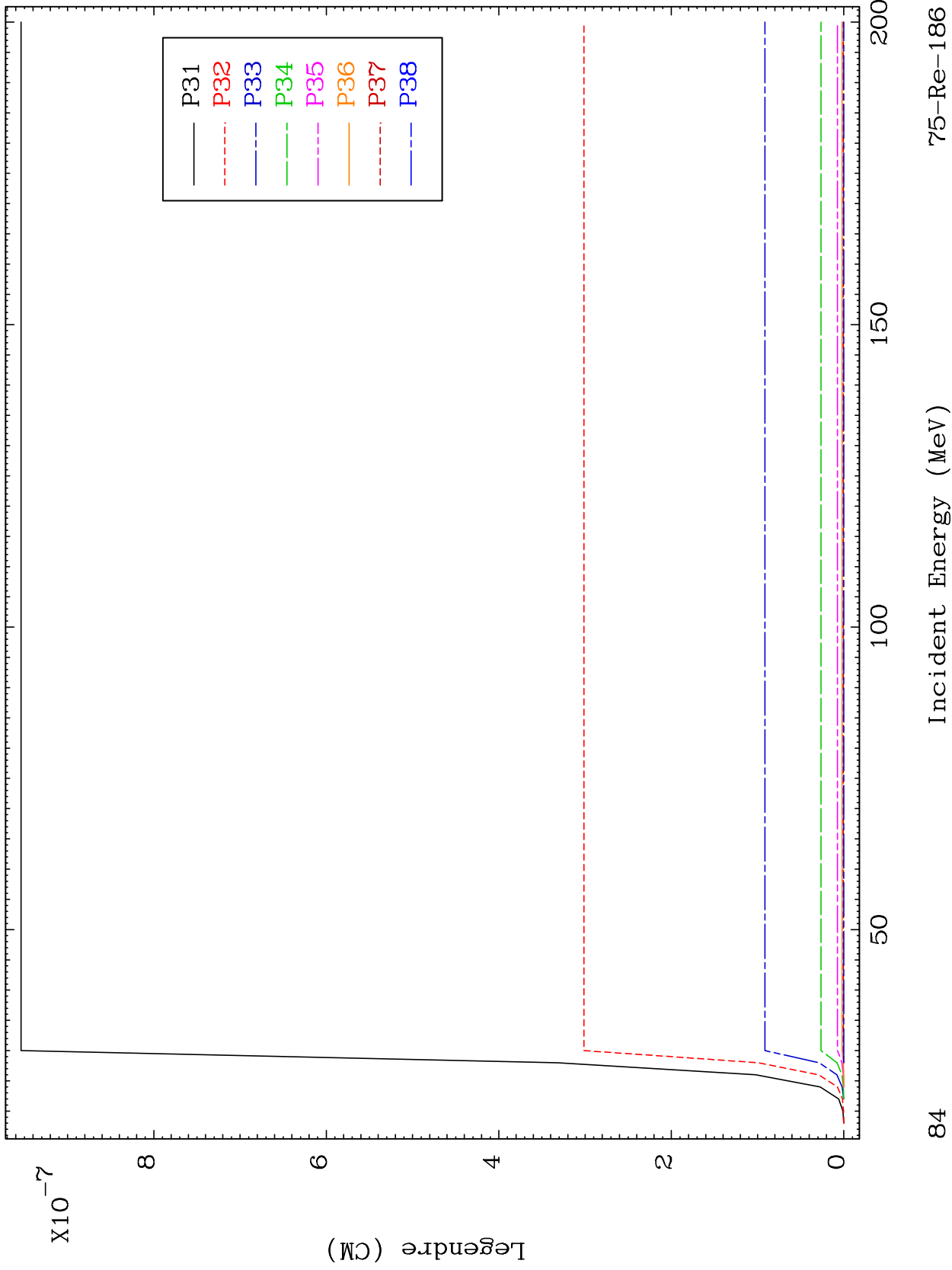
75-Re-186



MAT 7528

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

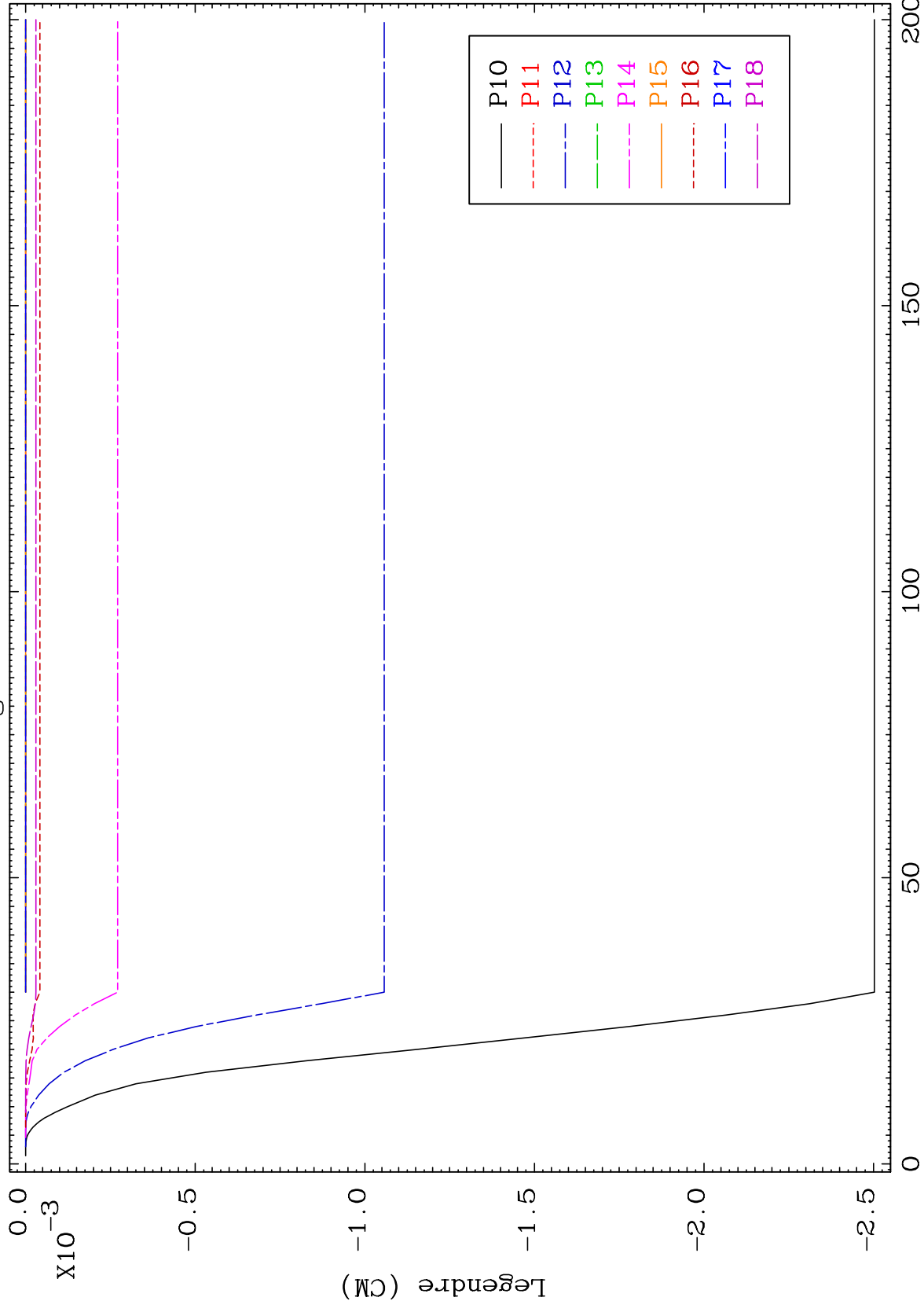
75-Re-186



MAT 7528

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

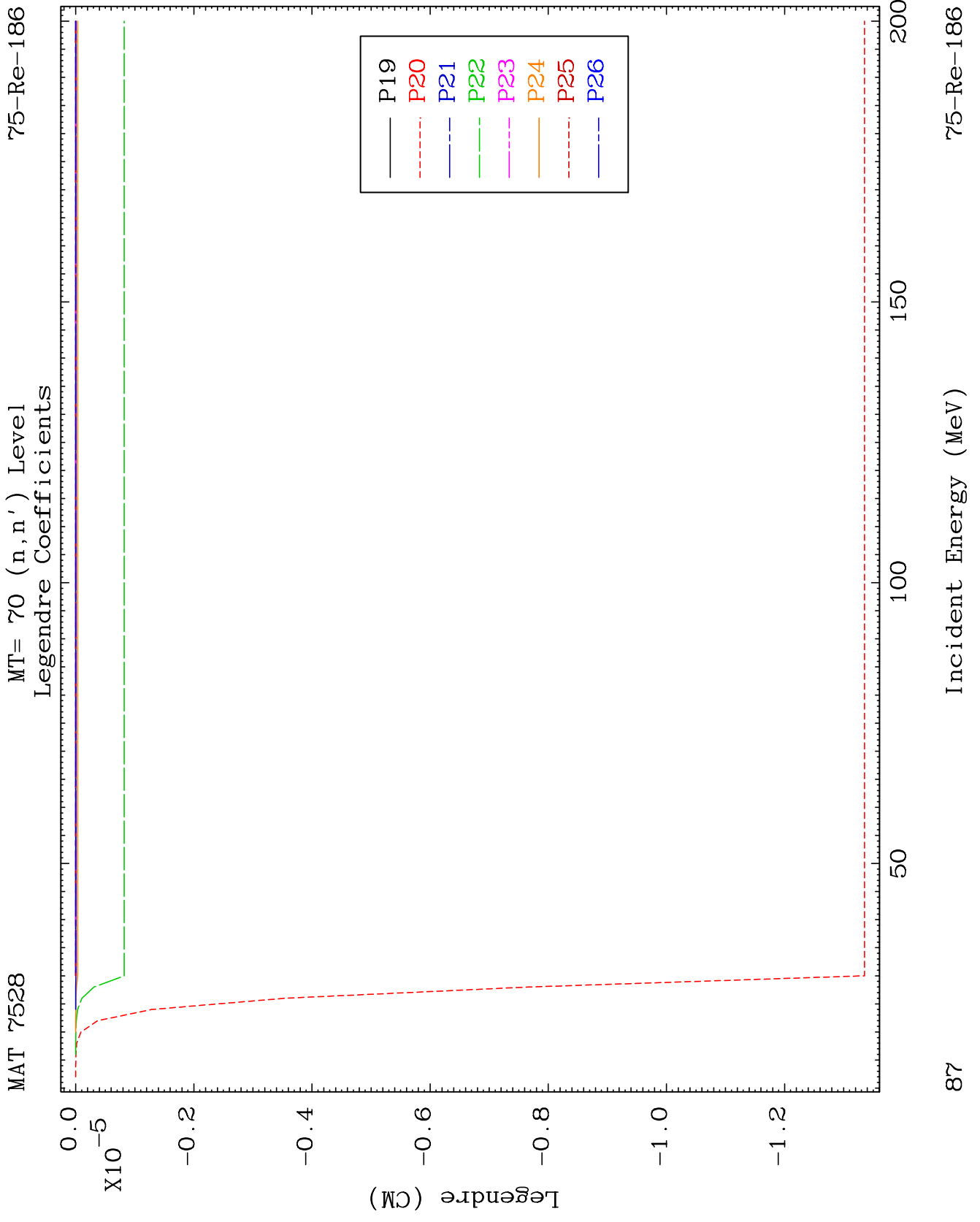
75-Re-186



86

Incident Energy (MeV)

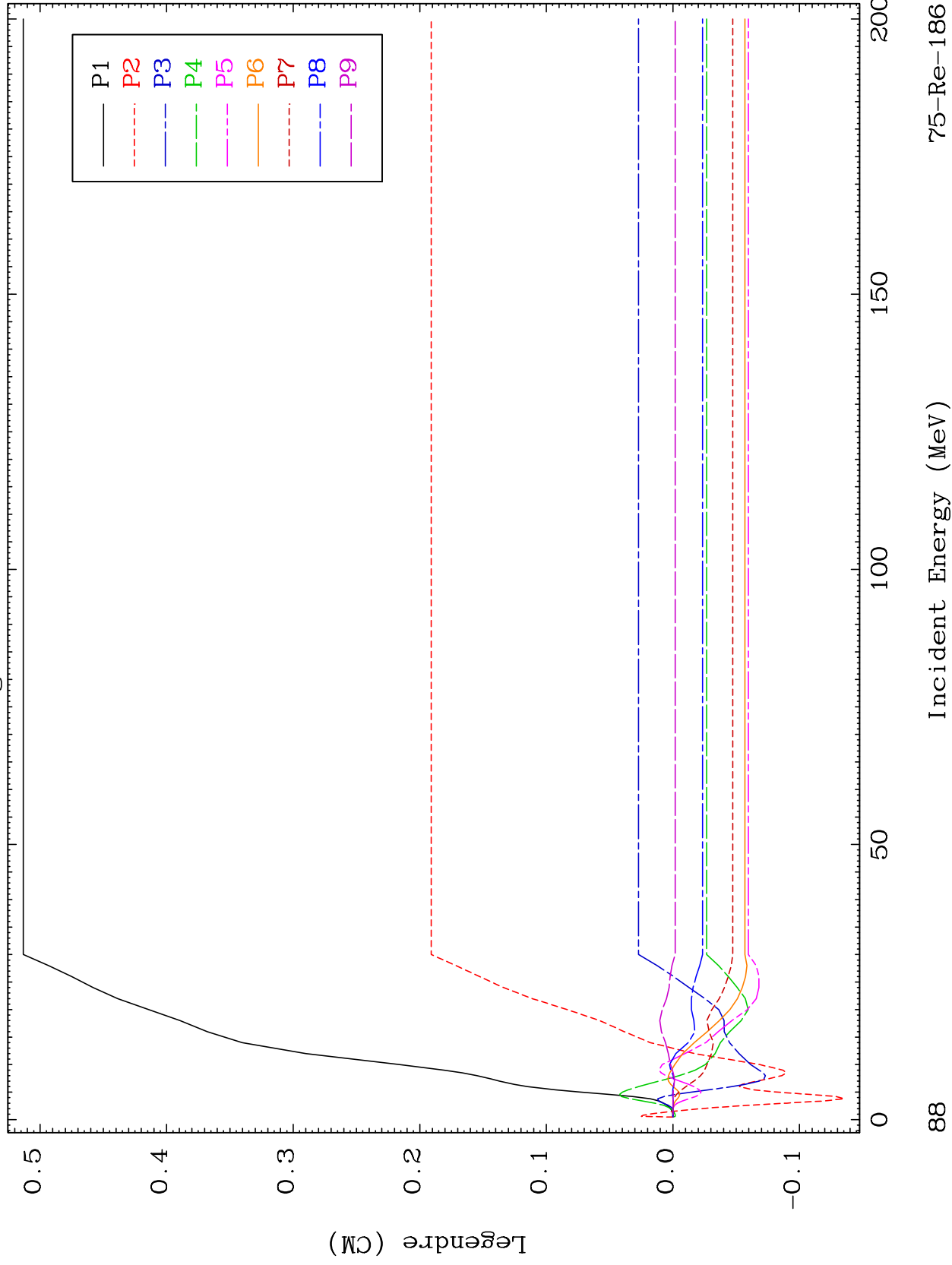
75-Re-186

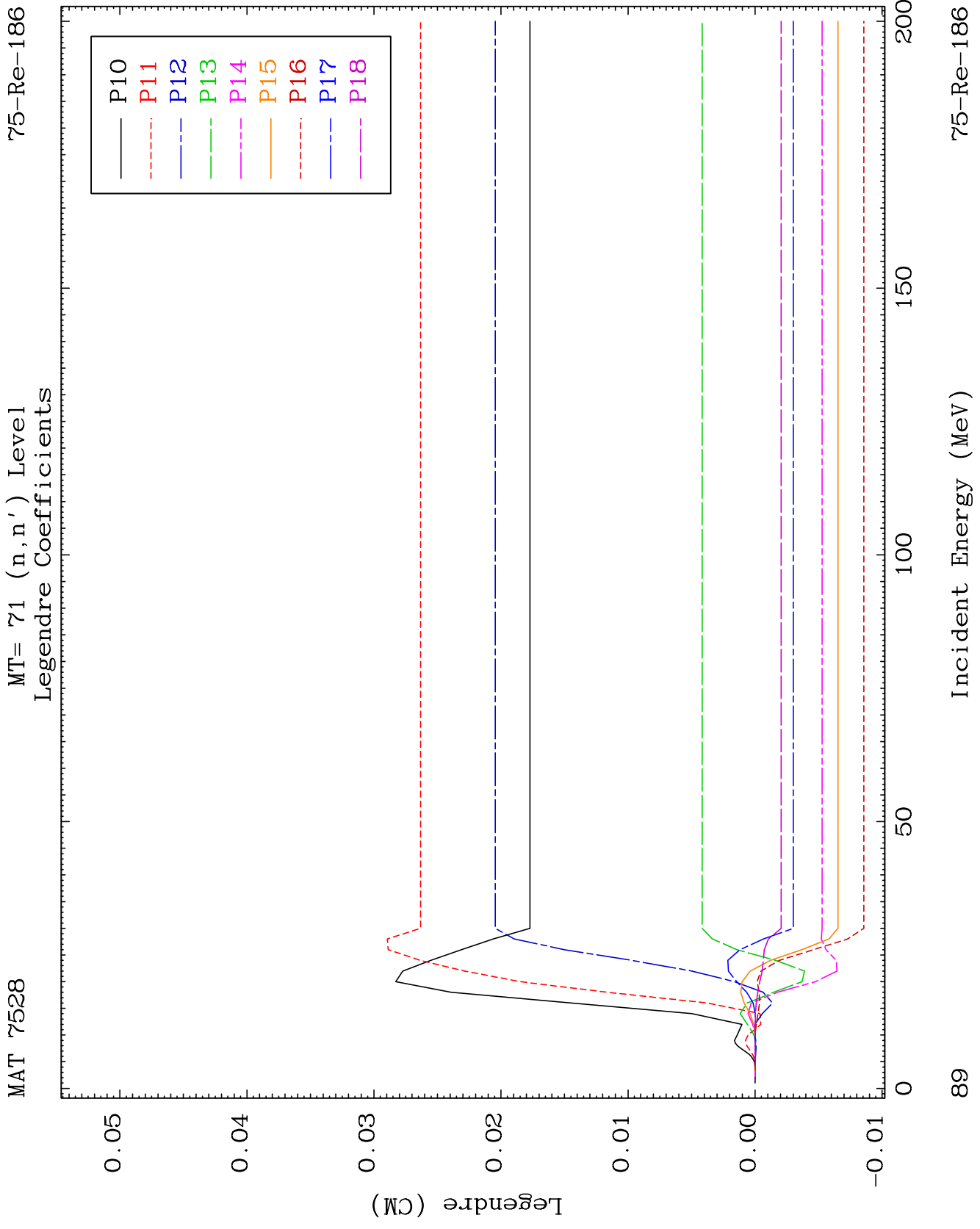


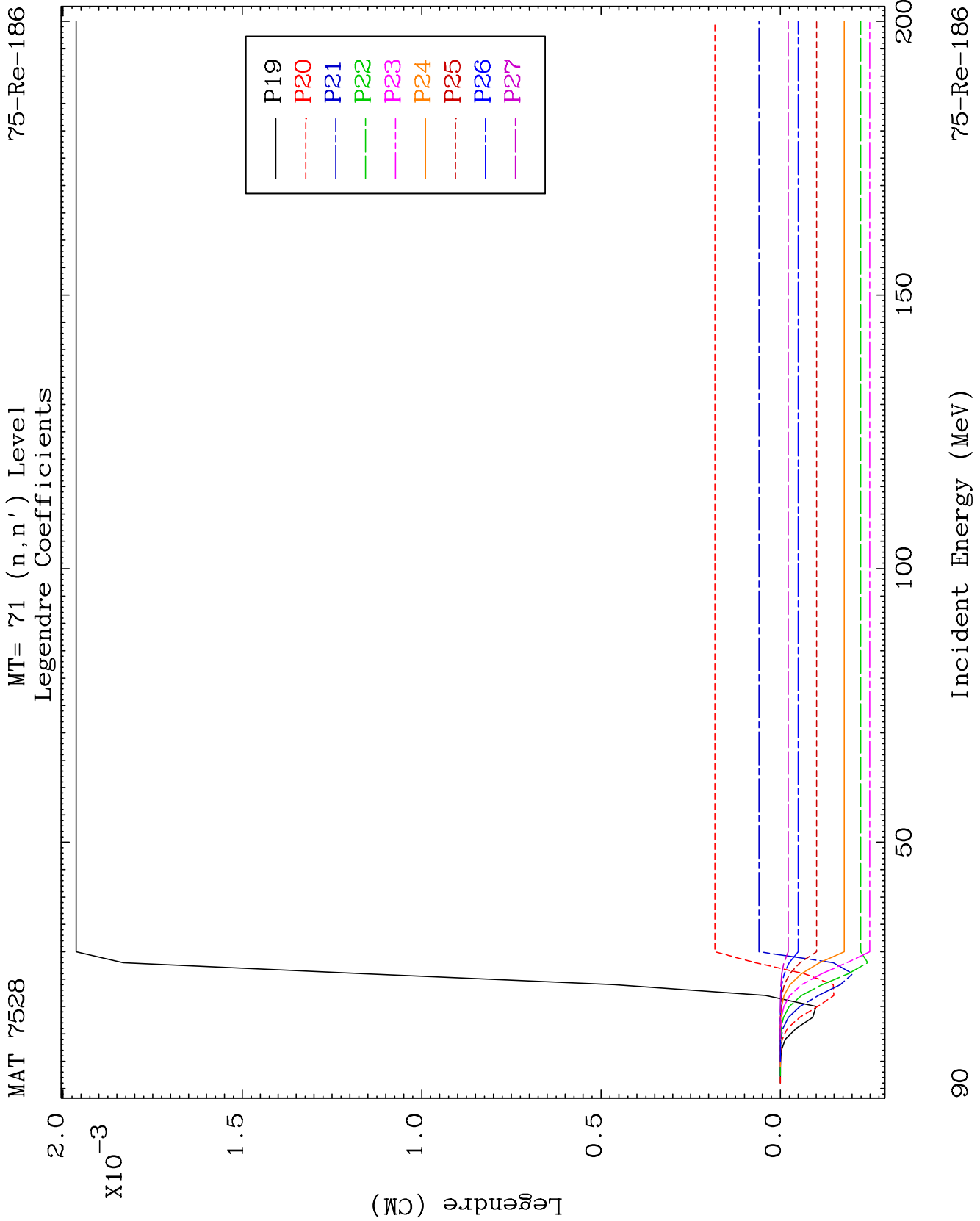
MAT 7528

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

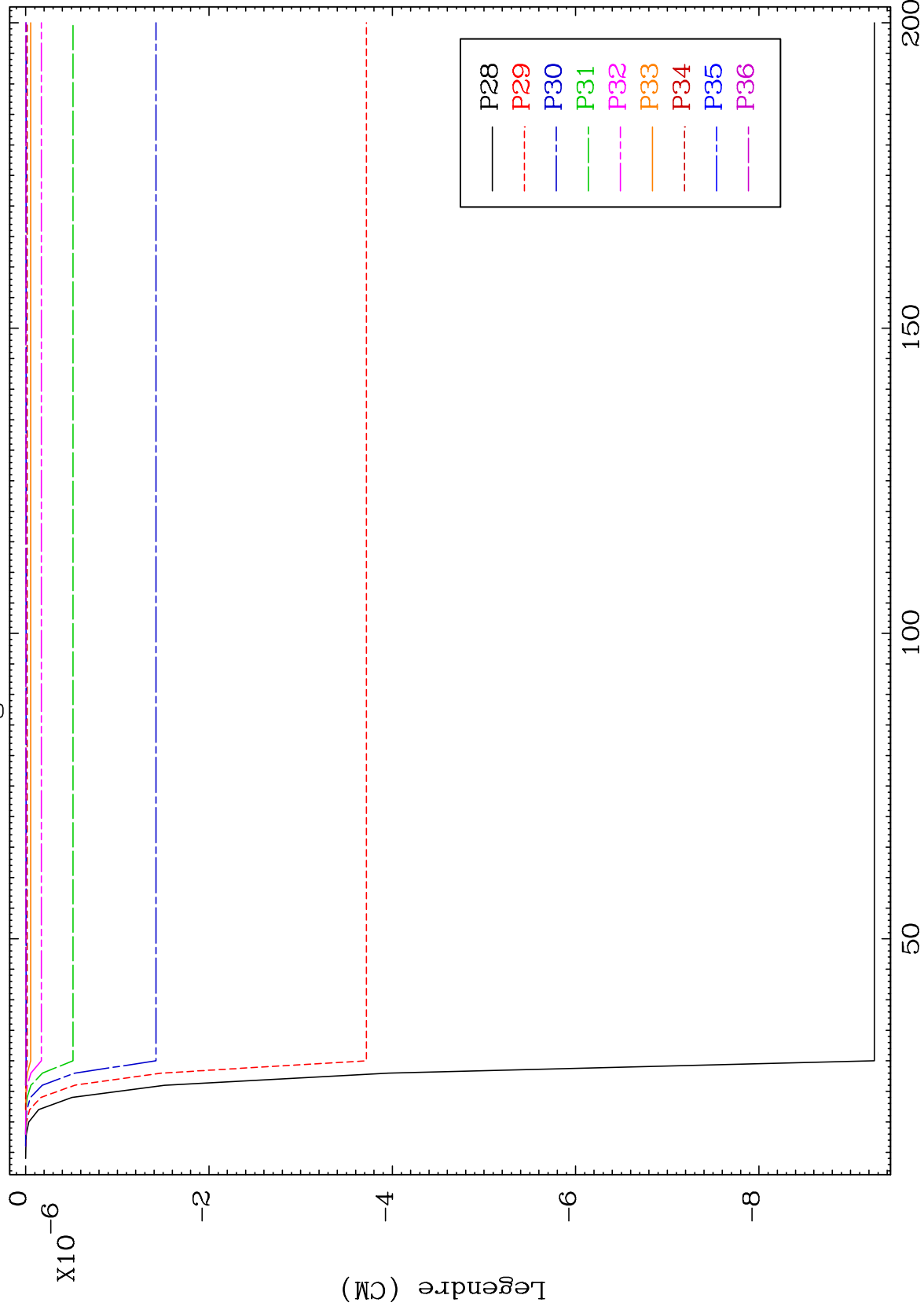
75-Re-186

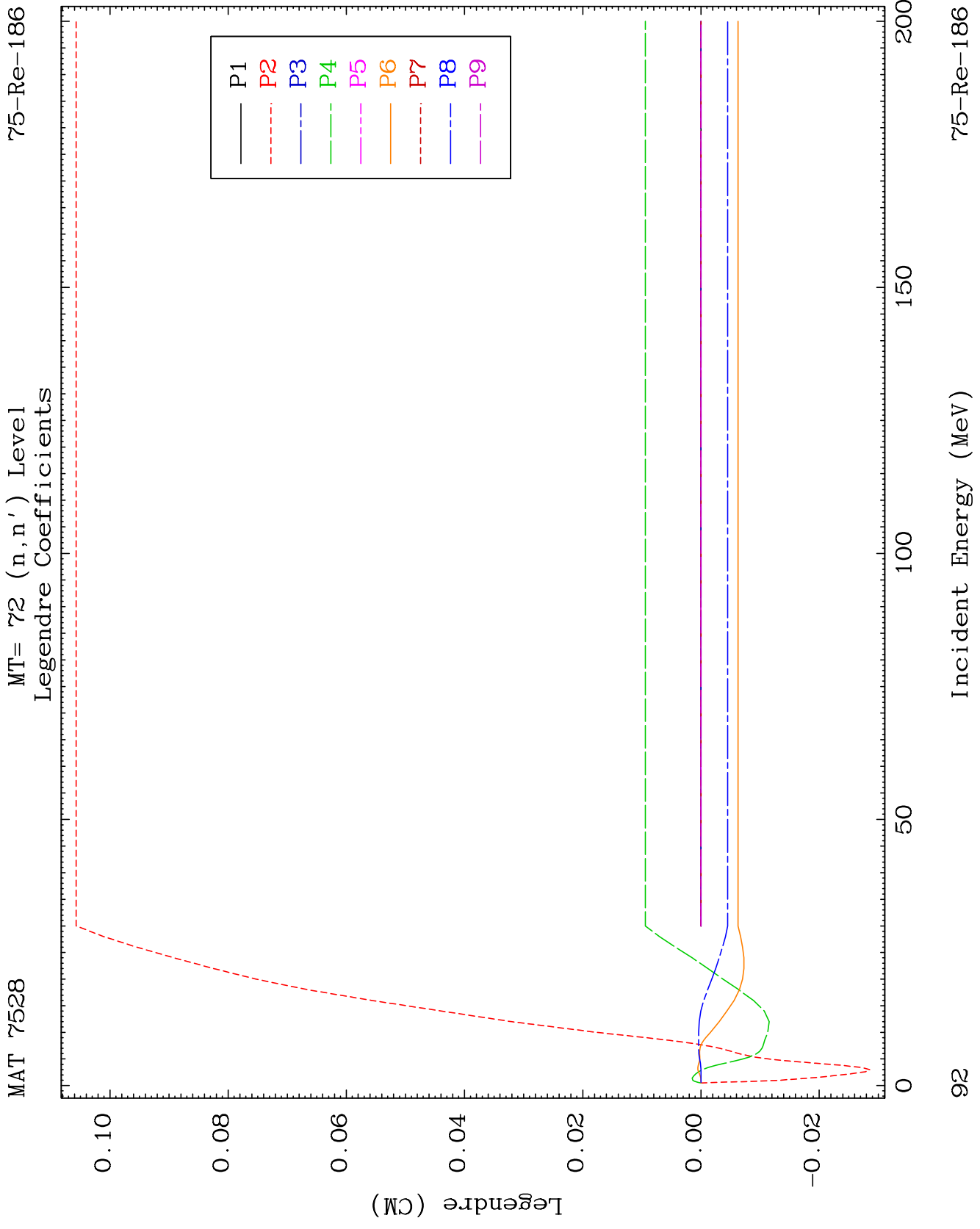






Legendre Coefficients

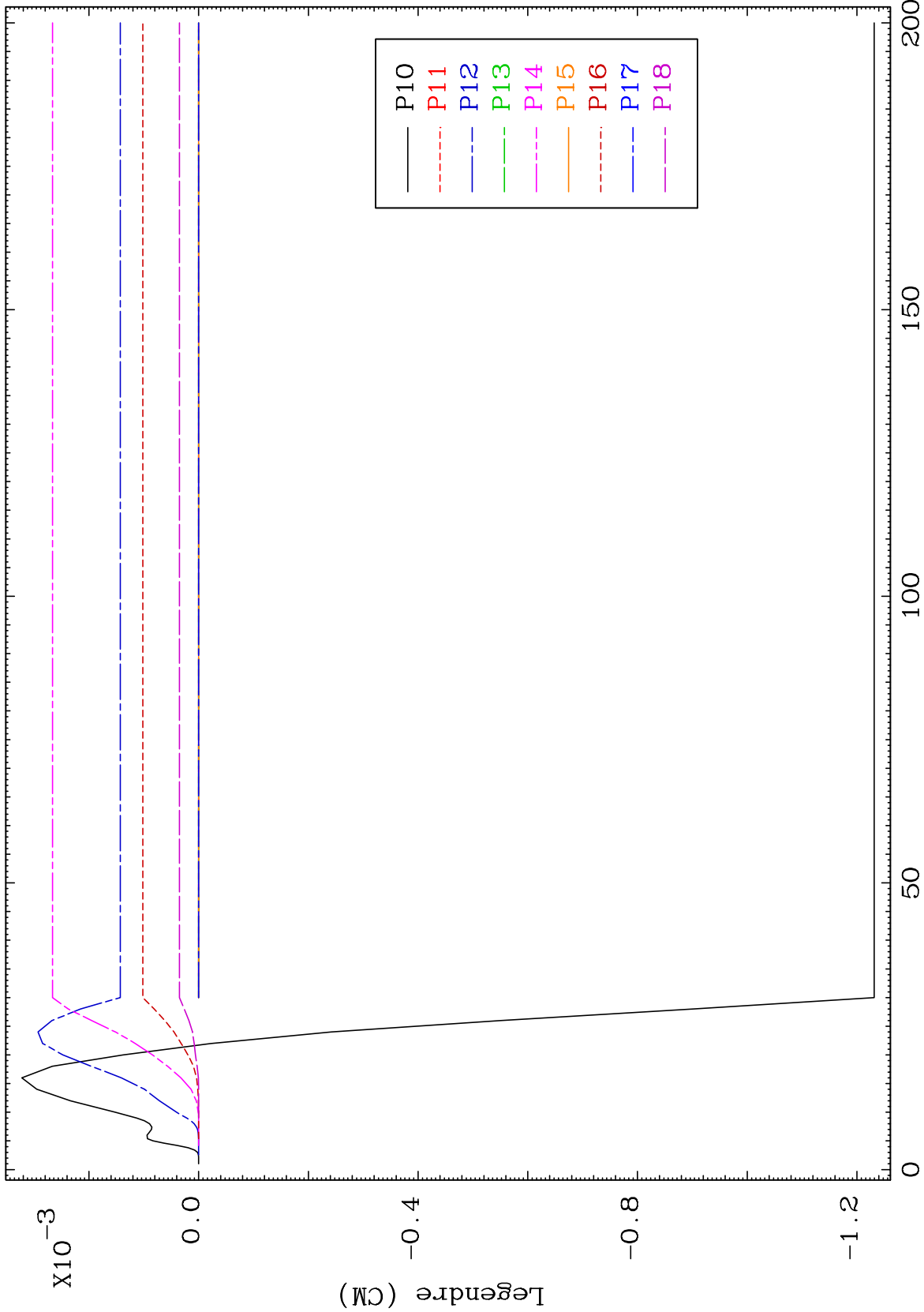




MAT 7528

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

75-Re-186



93

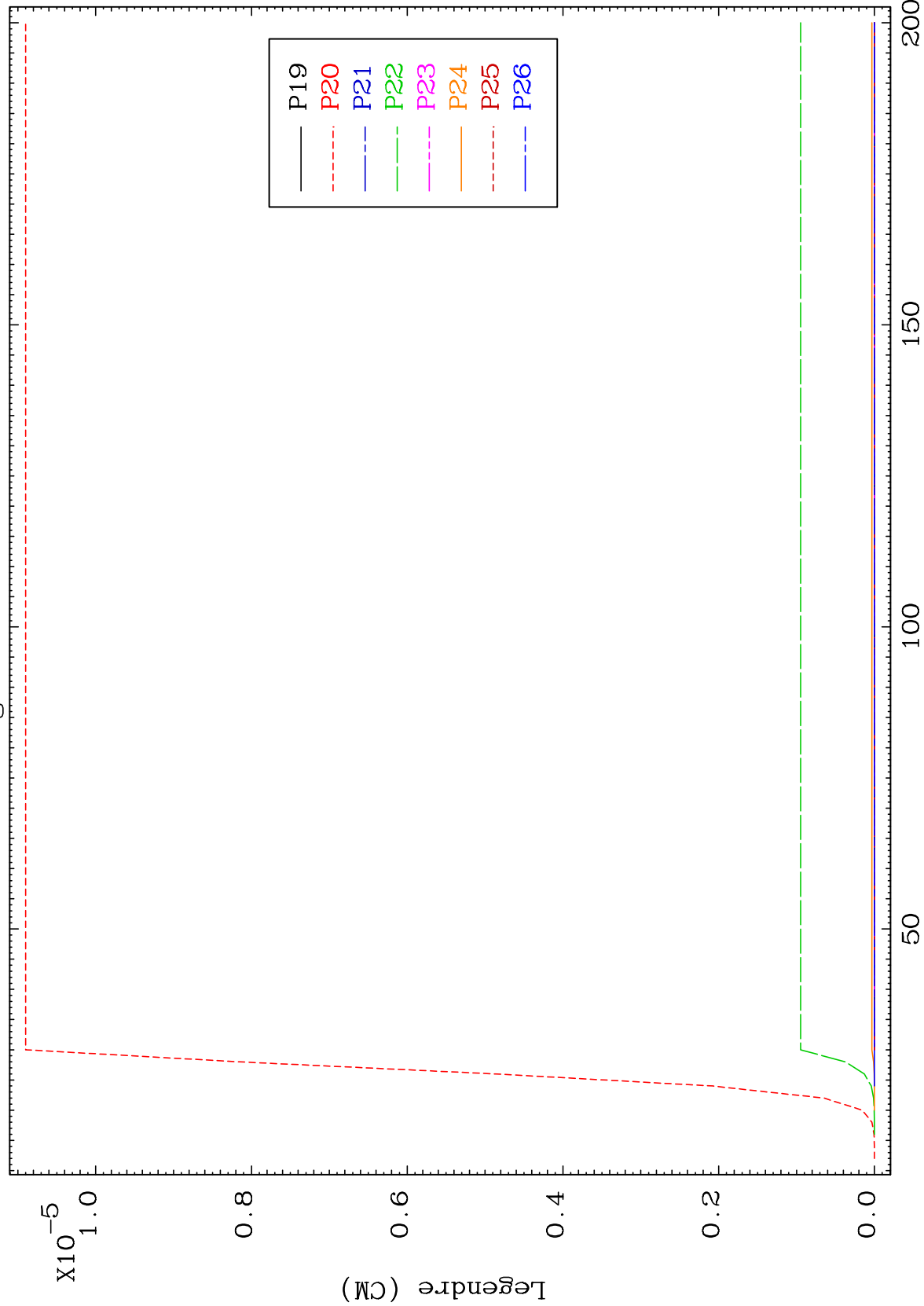
Incident Energy (MeV)

75-Re-186

MAT 7528

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

75-Re-186



75-Re-186

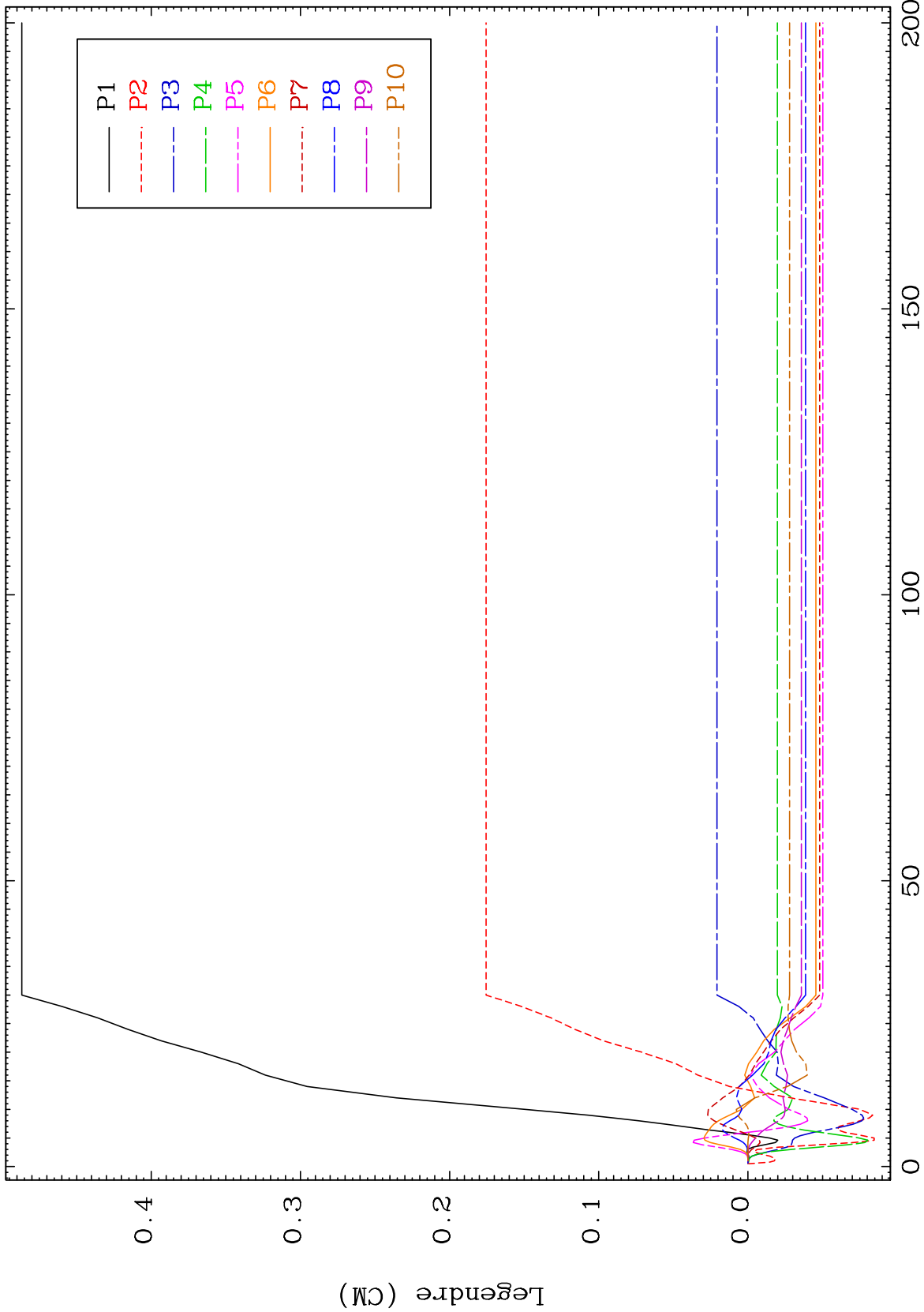
Incident Energy (MeV)

94

MAT 7528

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

75-Re-186



95

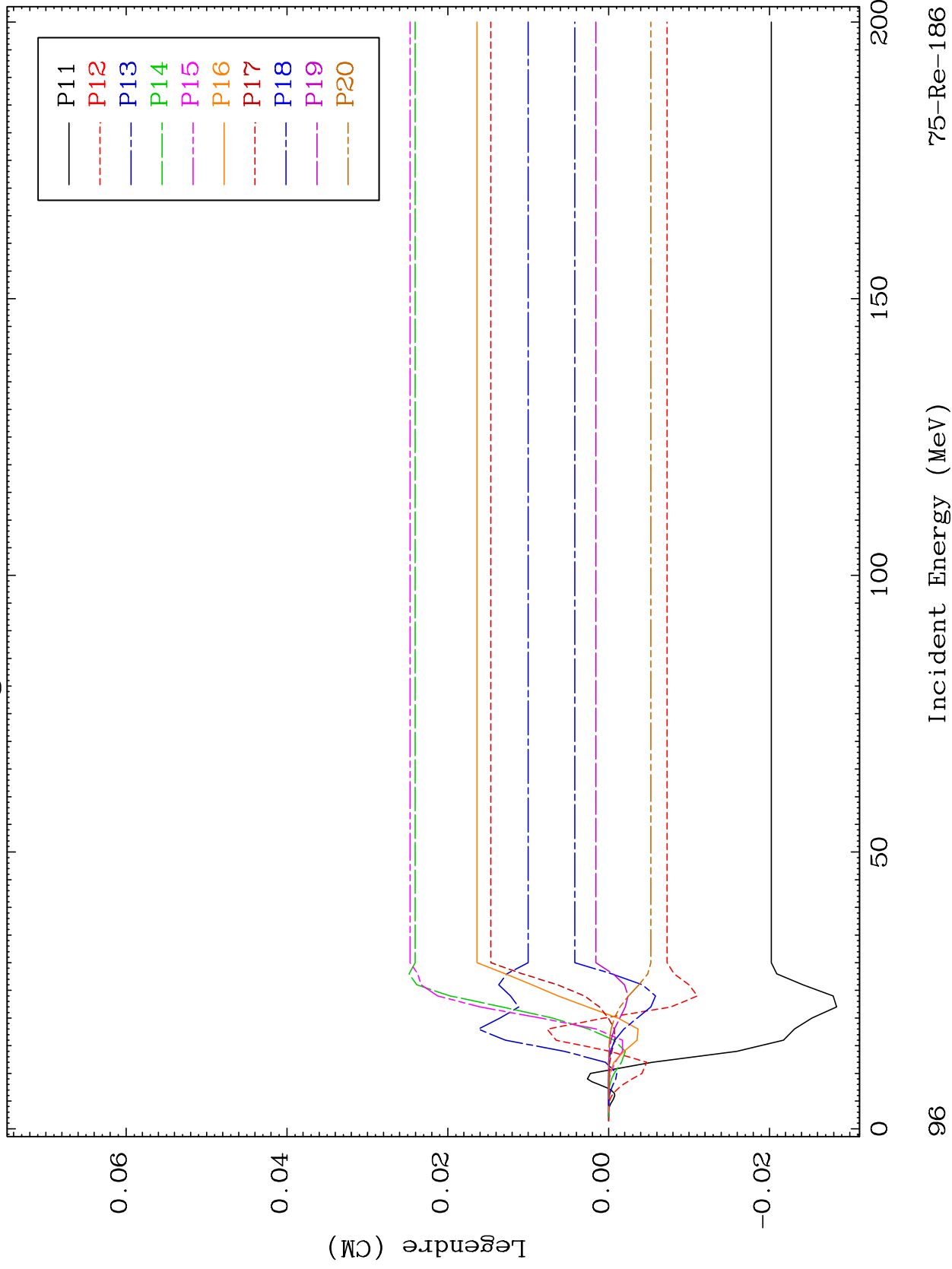
Incident Energy (MeV)

75-Re-186

MAT 7528

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

75-Re-186



75-Re-186

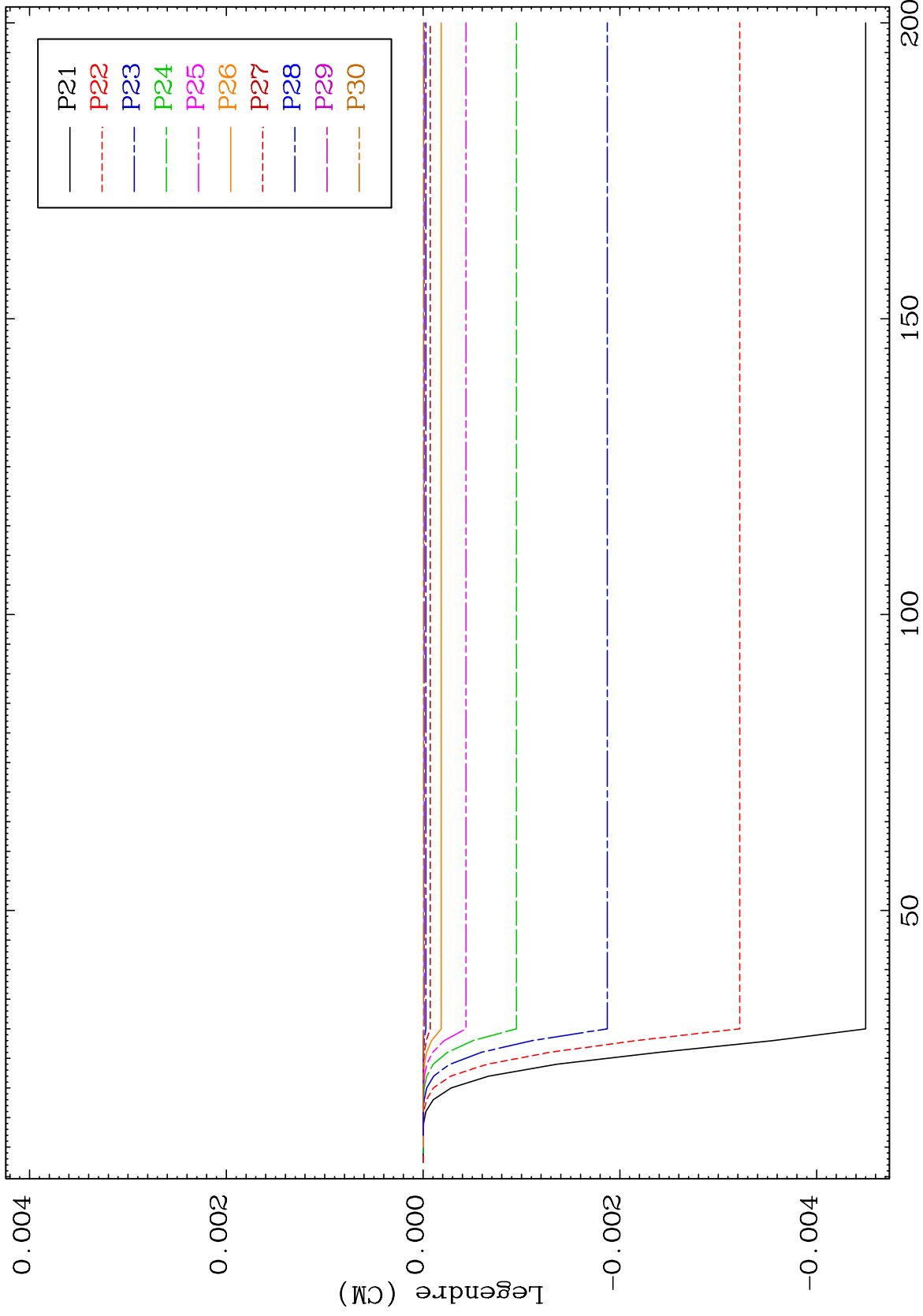
Incident Energy (MeV)

96

MAT 7528

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

75-Re-186

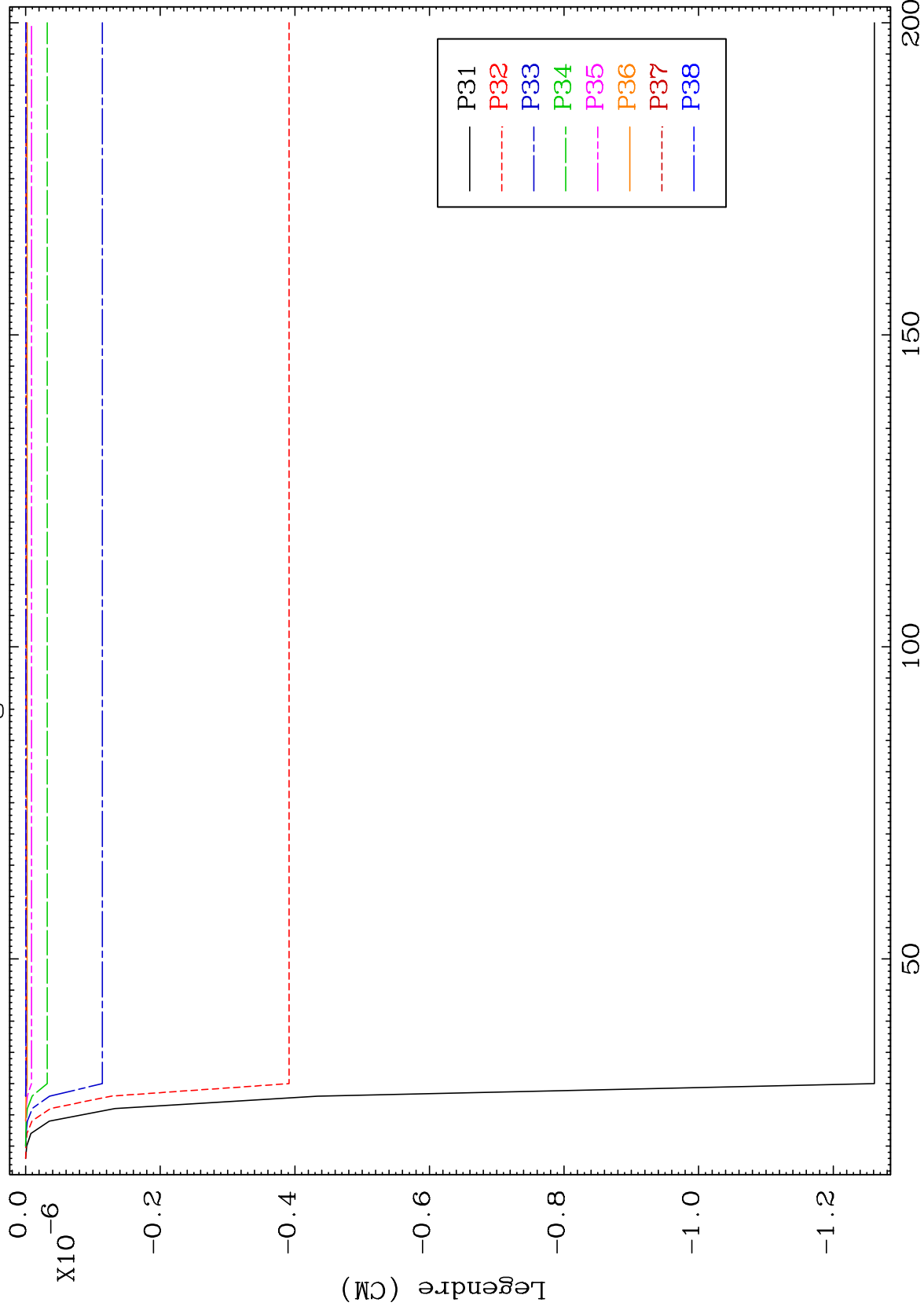


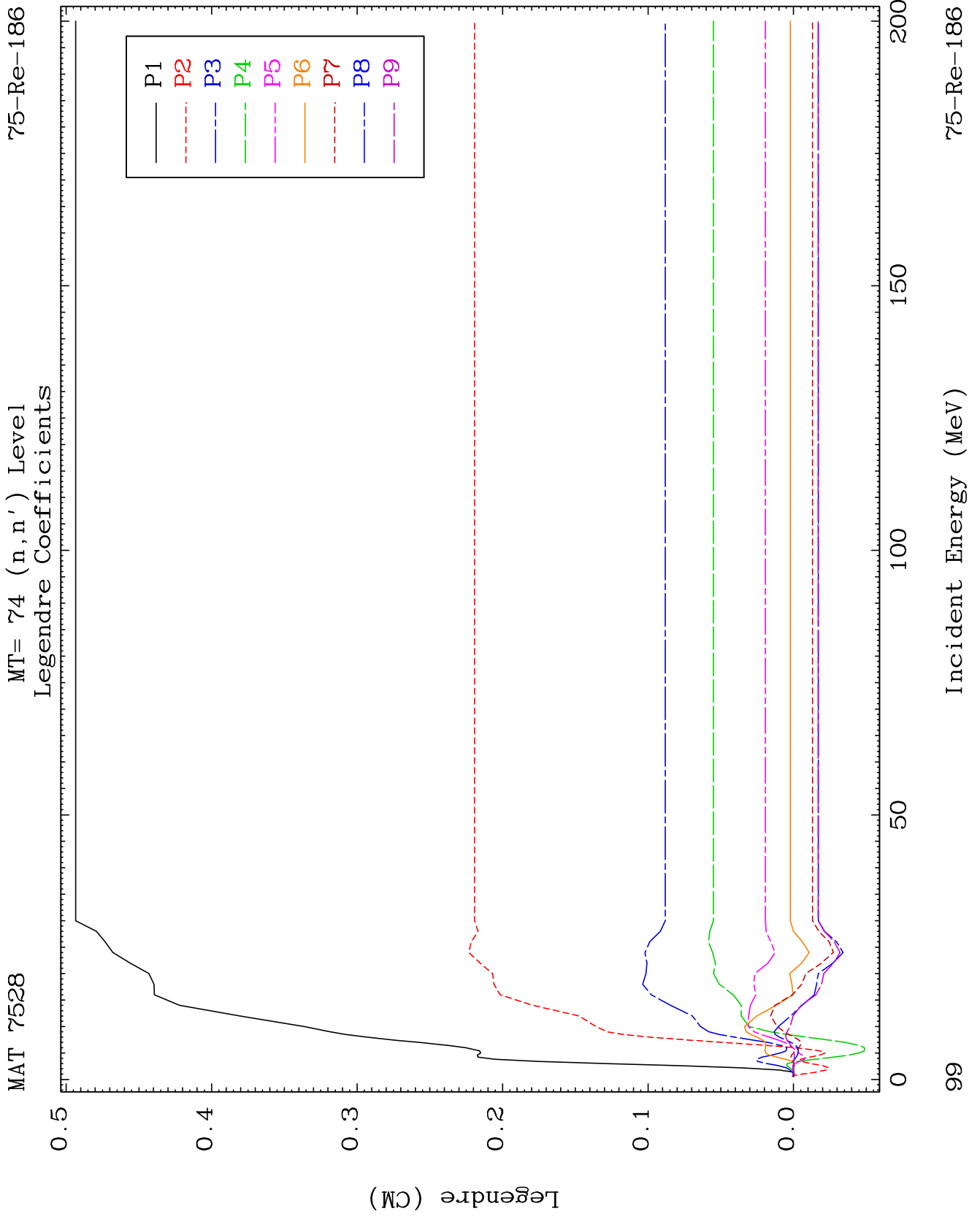
97

Incident Energy (MeV)

75-Re-186

Legendre Coefficients

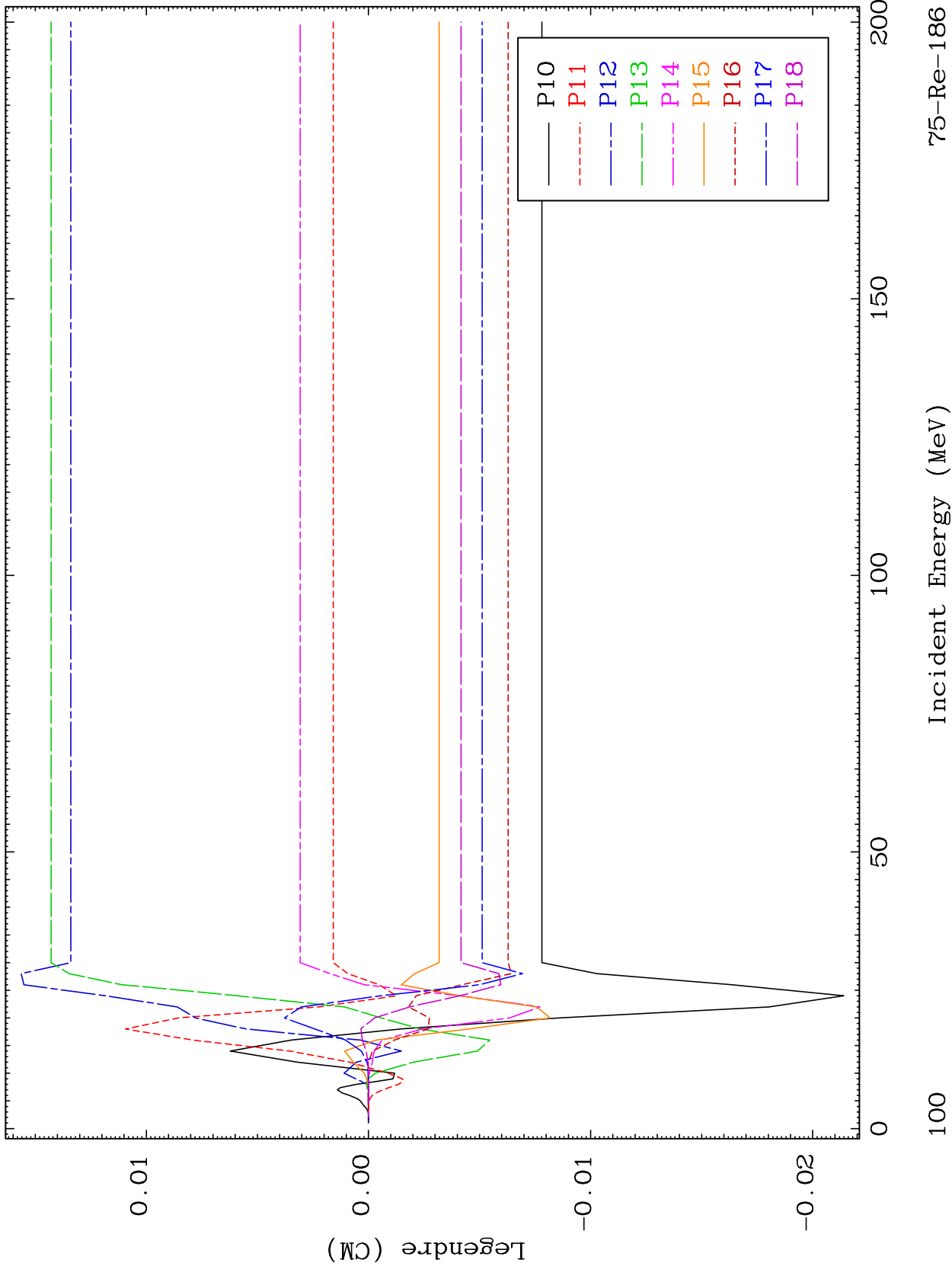




MAT 7528

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-186



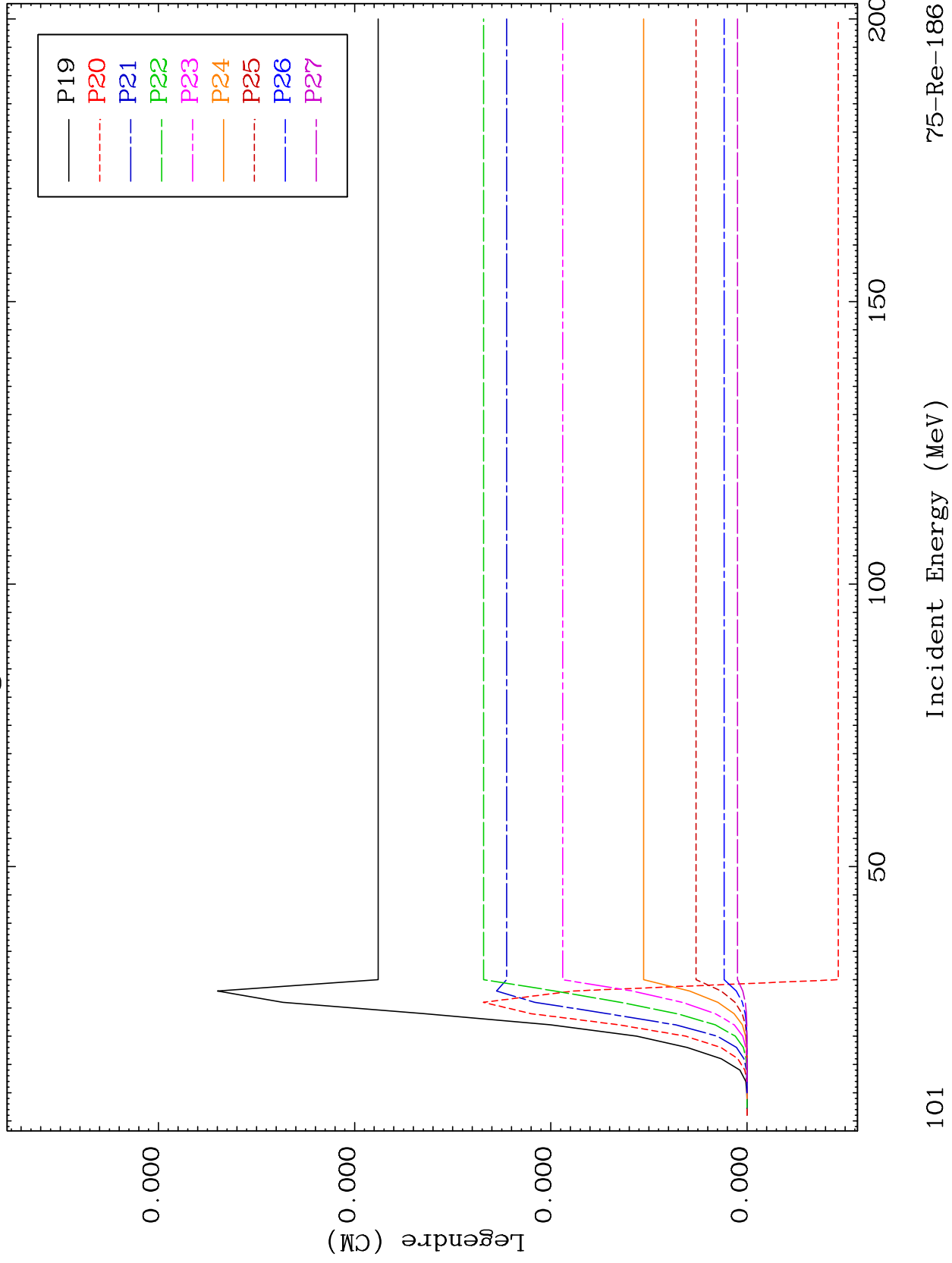
75-Re-186

Incident Energy (MeV)

MAT 7528

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-186



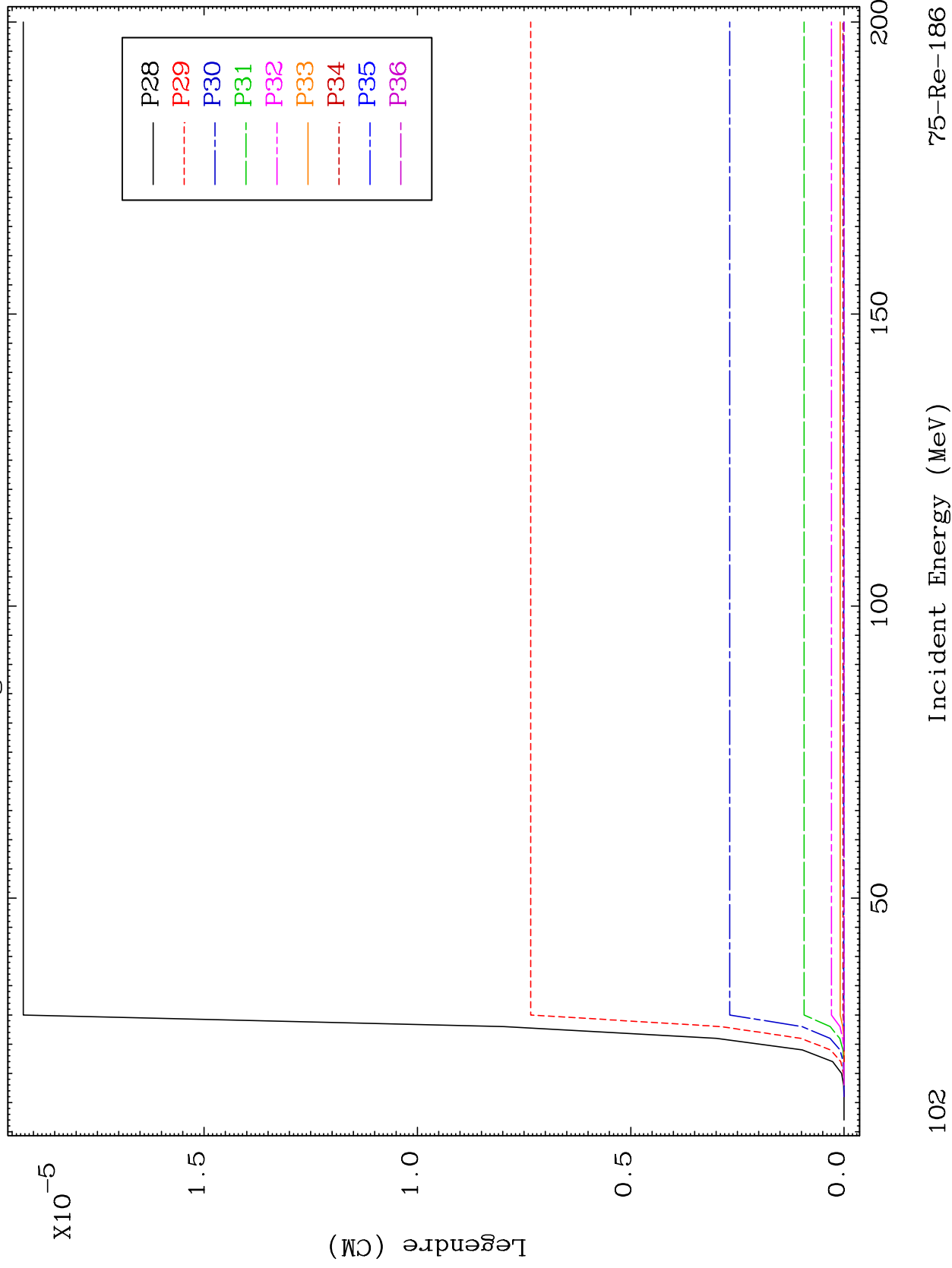
101

75-Re-186

MAT 7528

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-186



102

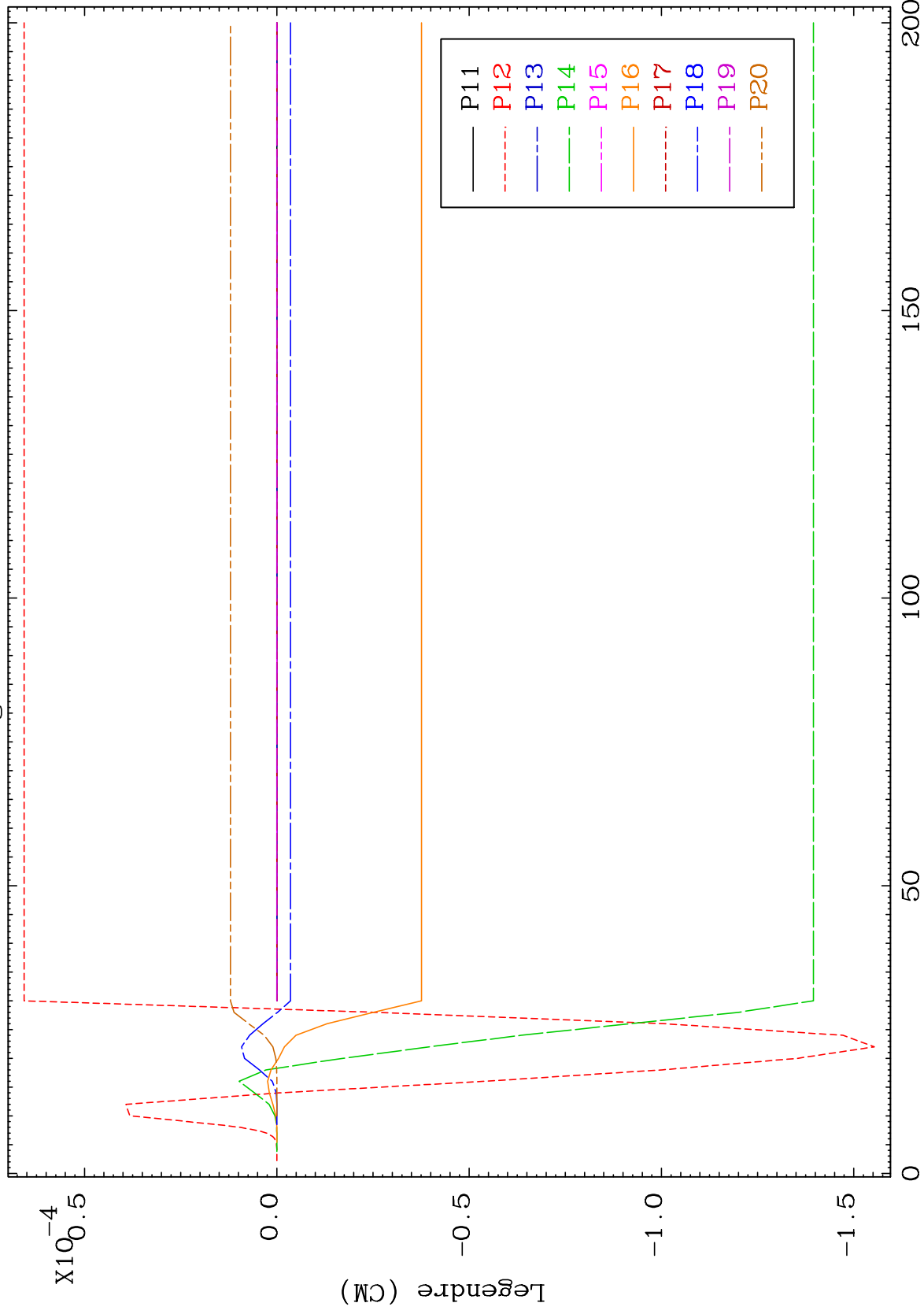
Incident Energy (MeV)

75-Re-186

MAT 7528

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

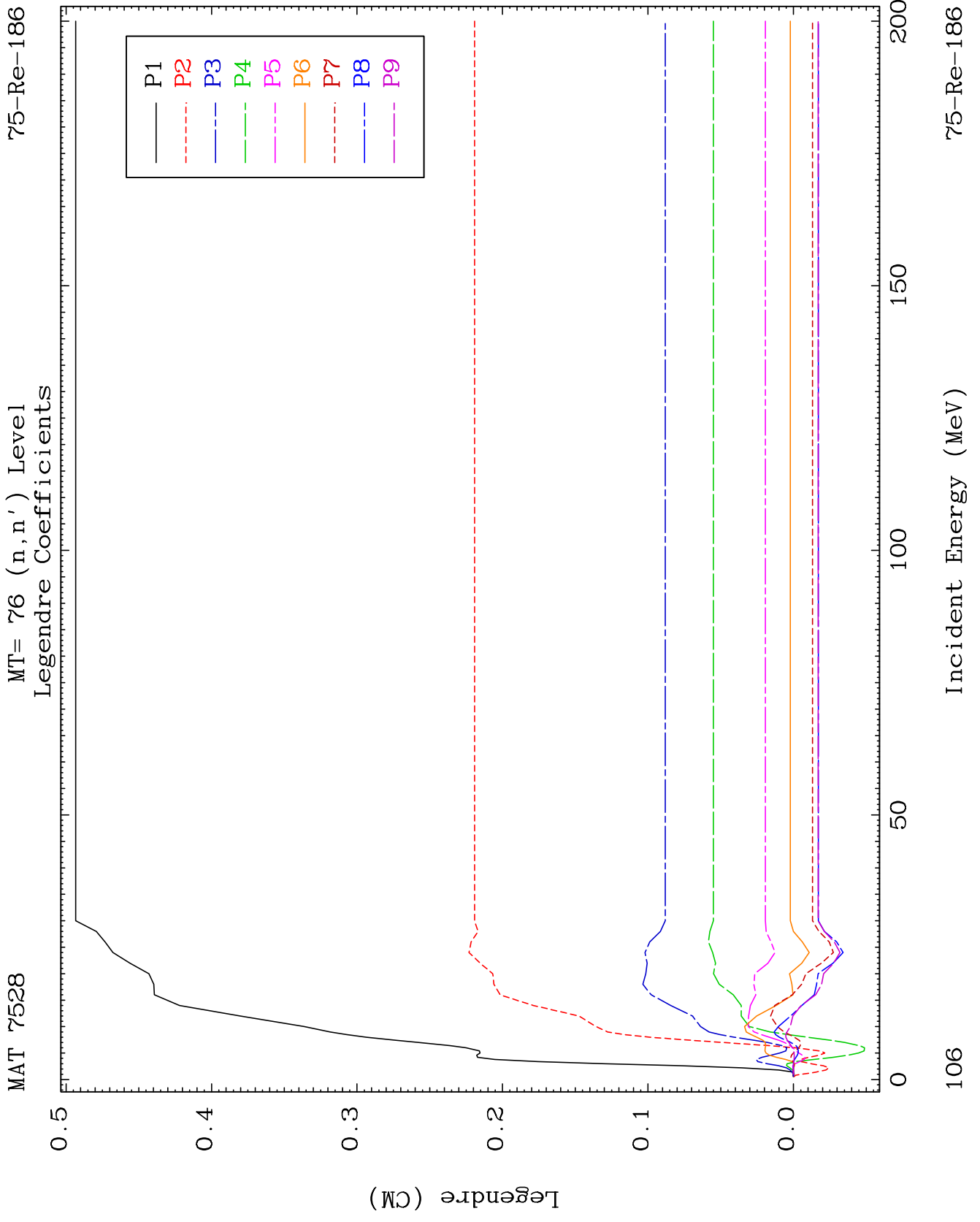
75-Re-186



104

Incident Energy (MeV)

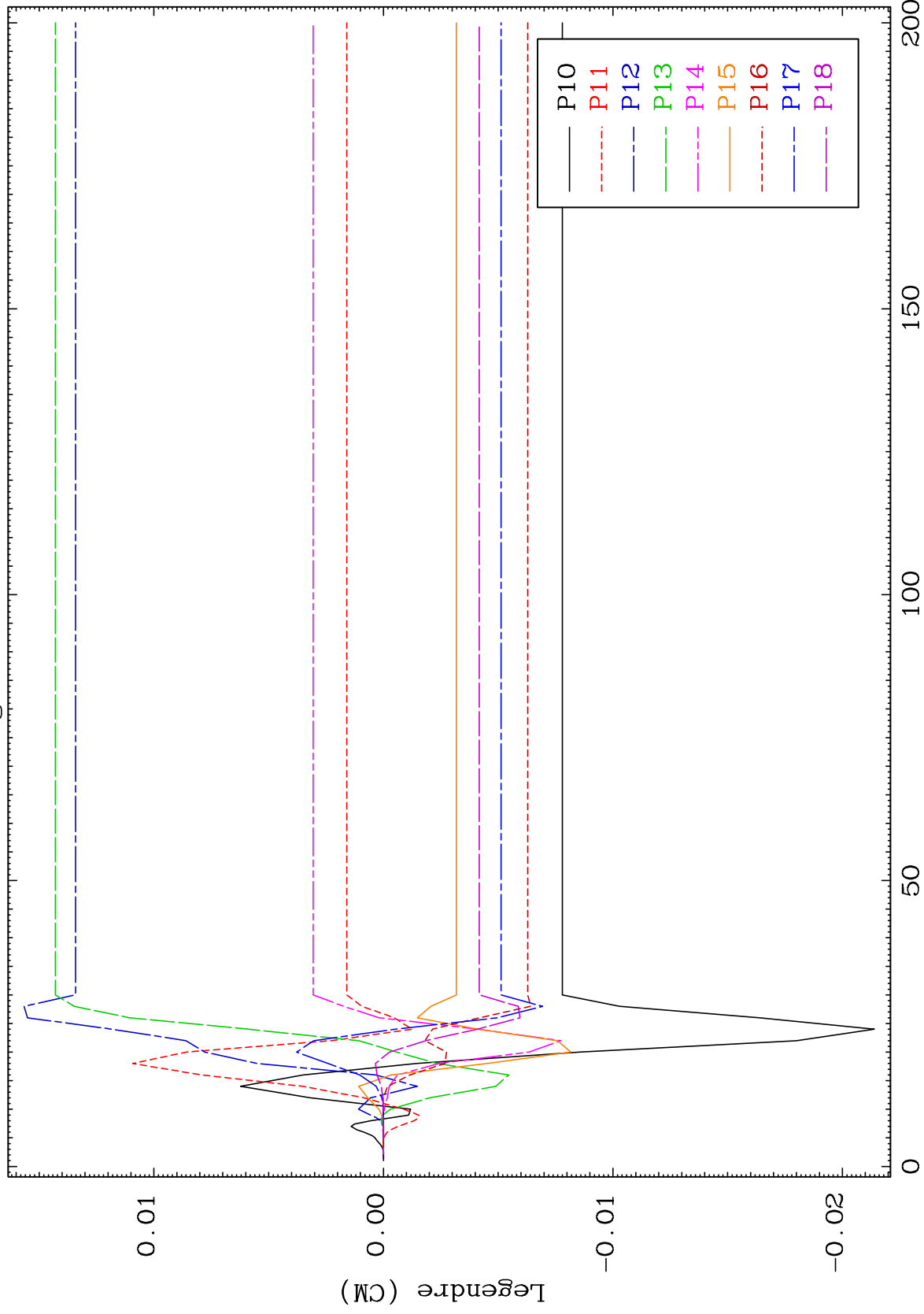
75-Re-186



MAT 7528

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

75-Re-186



107

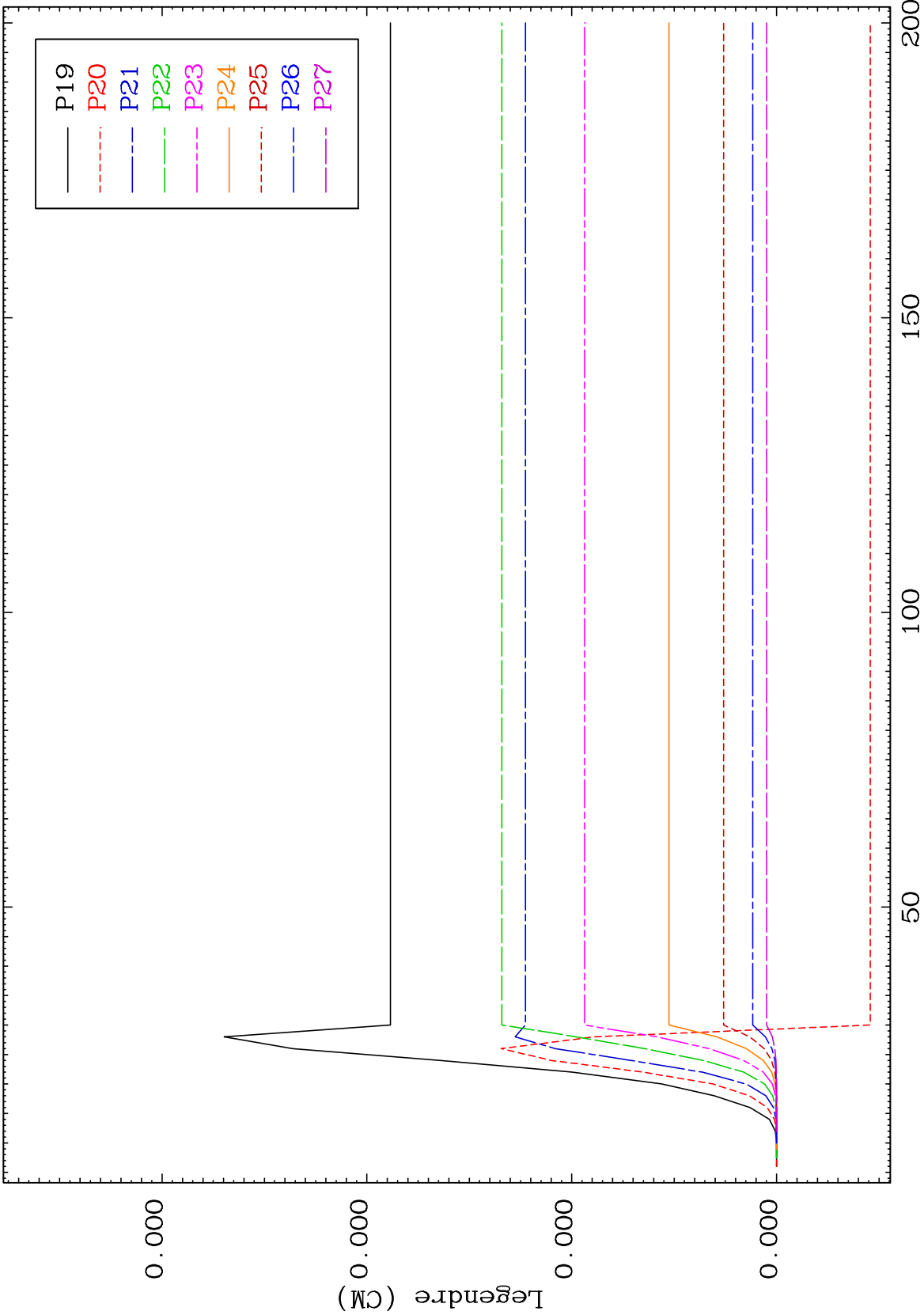
Incident Energy (MeV)

75-Re-186

MAT 7528

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

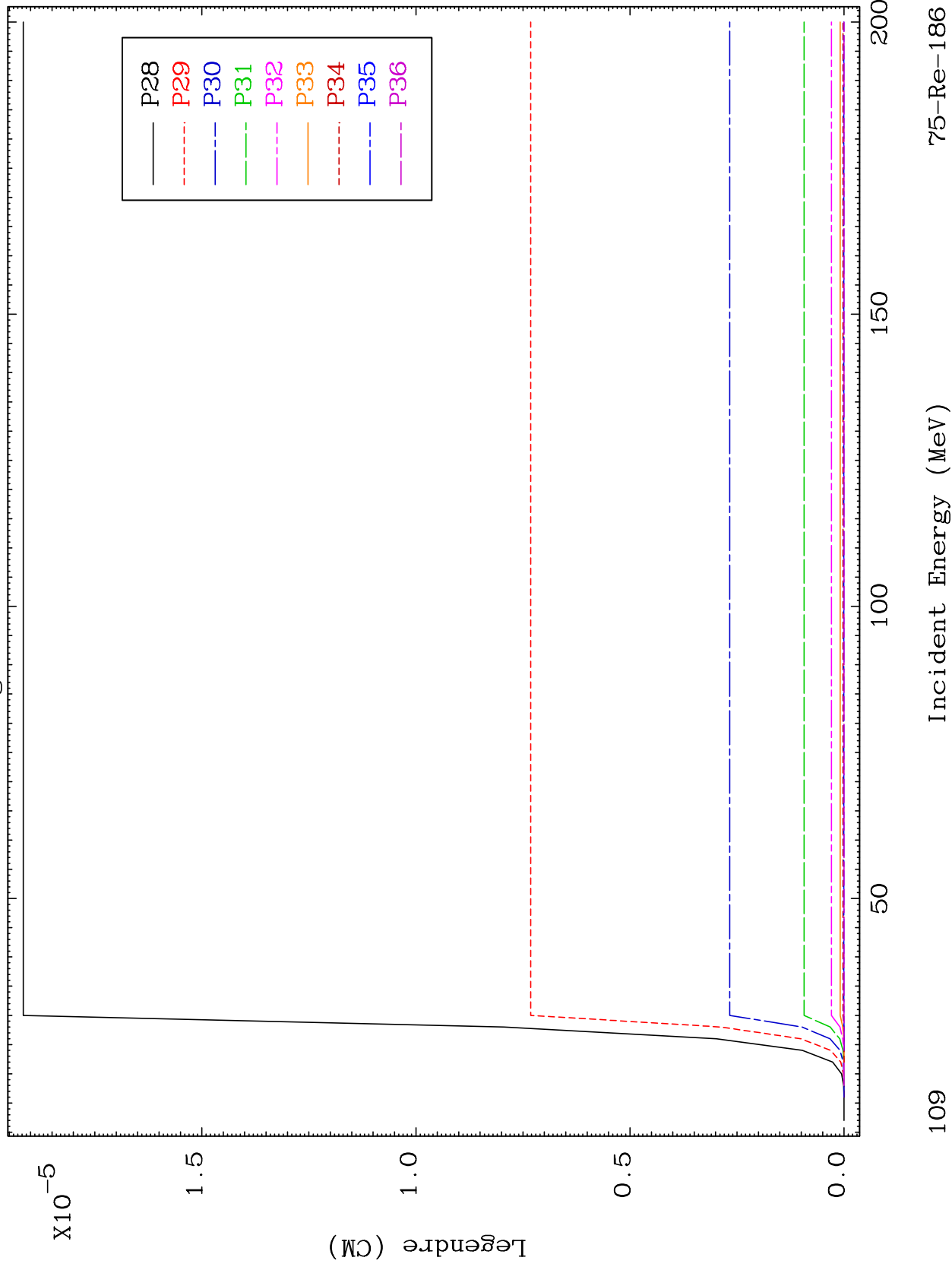
75-Re-186

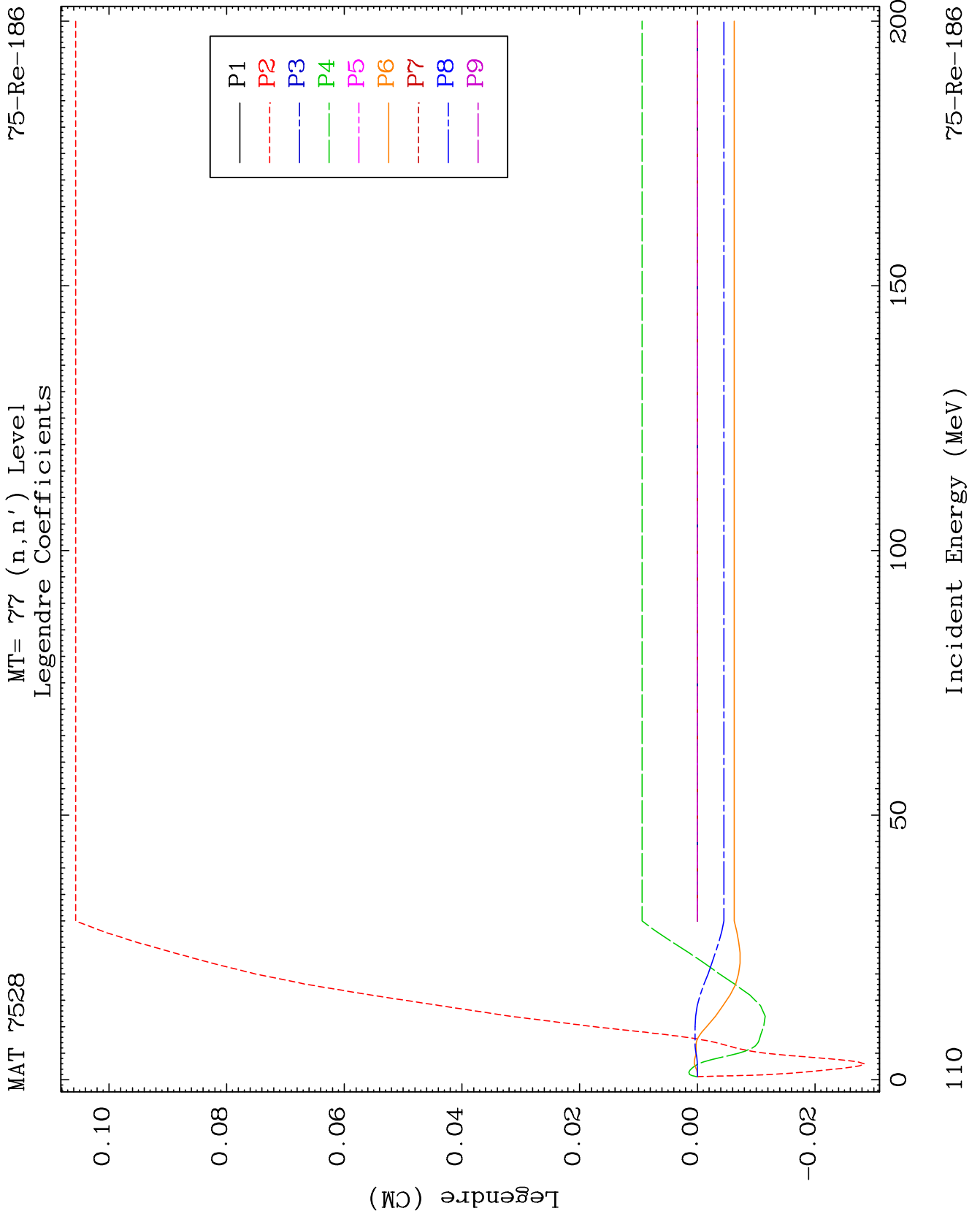


MAT 7528

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

75-Re-186

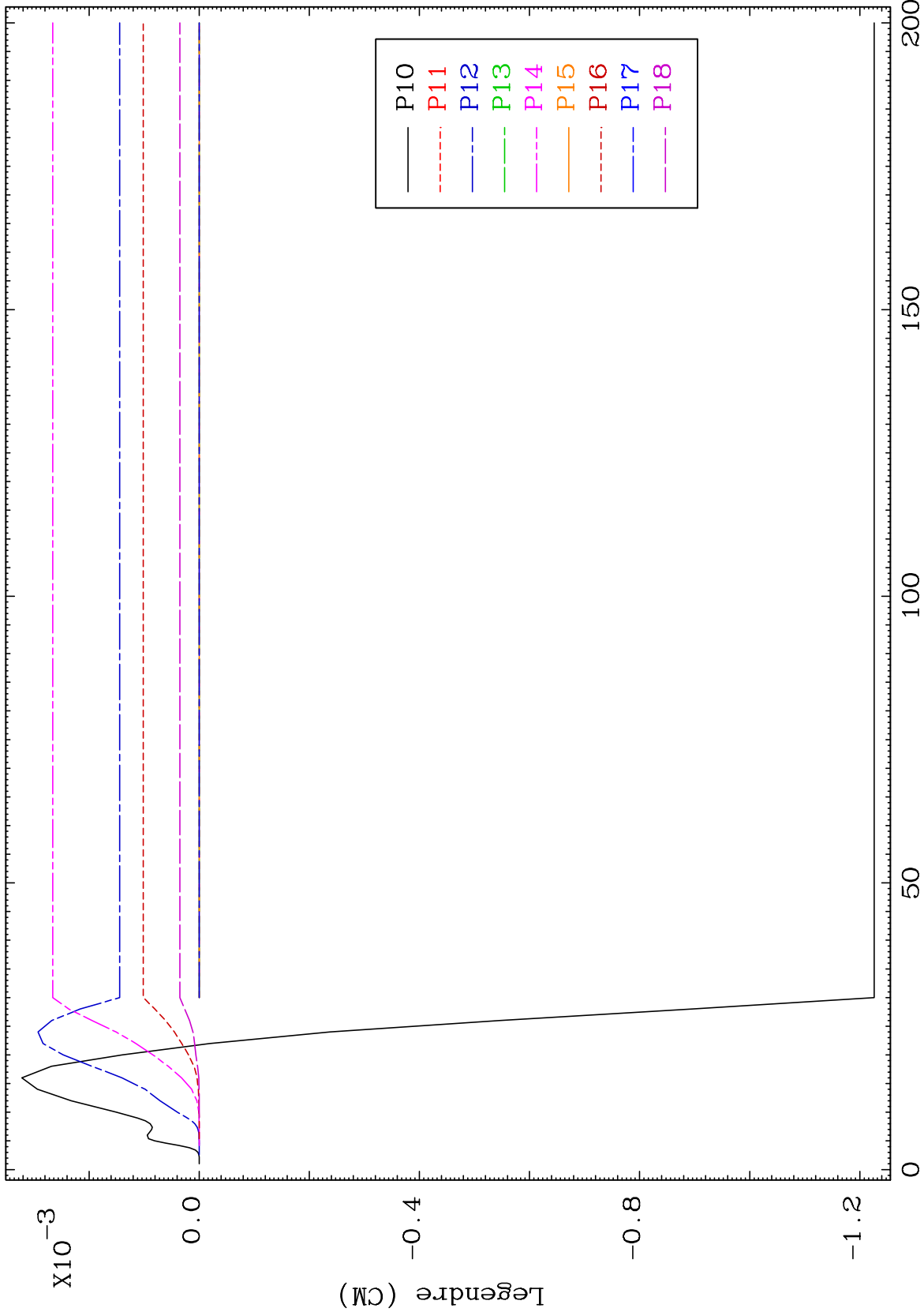




MAT 7528

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

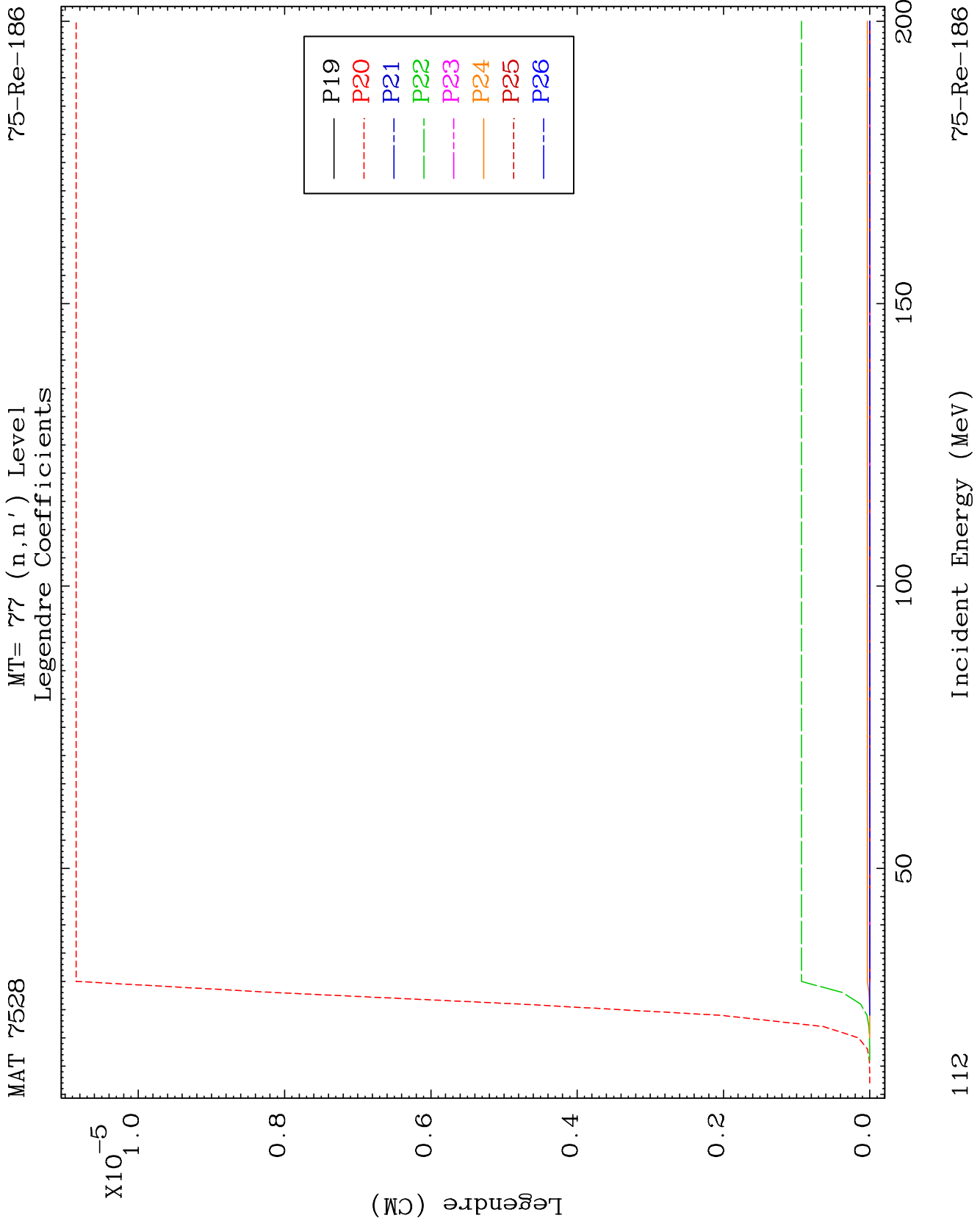
75-Re-186



111

Incident Energy (MeV)

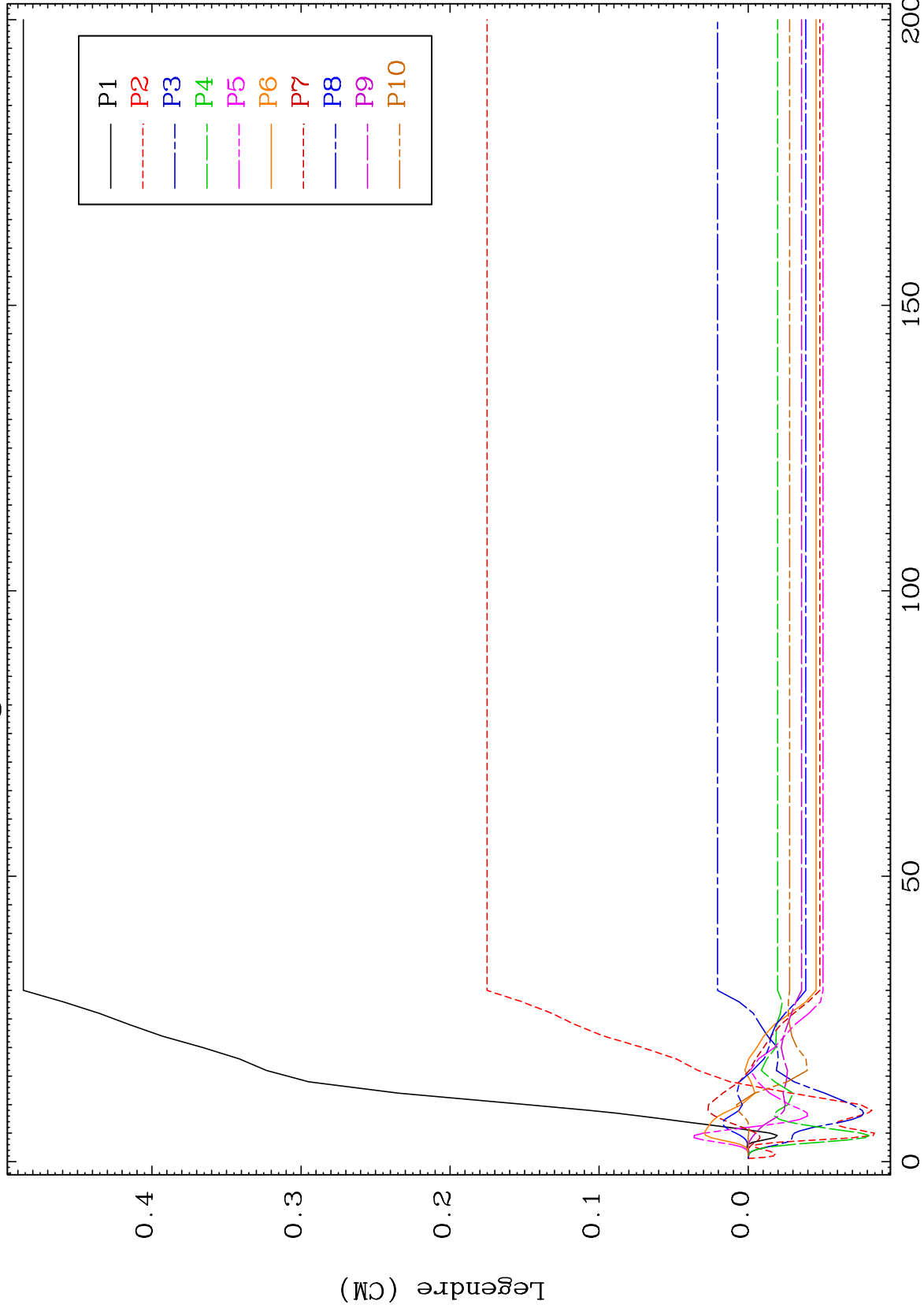
75-Re-186



MAT 7528

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

75-Re-186



113

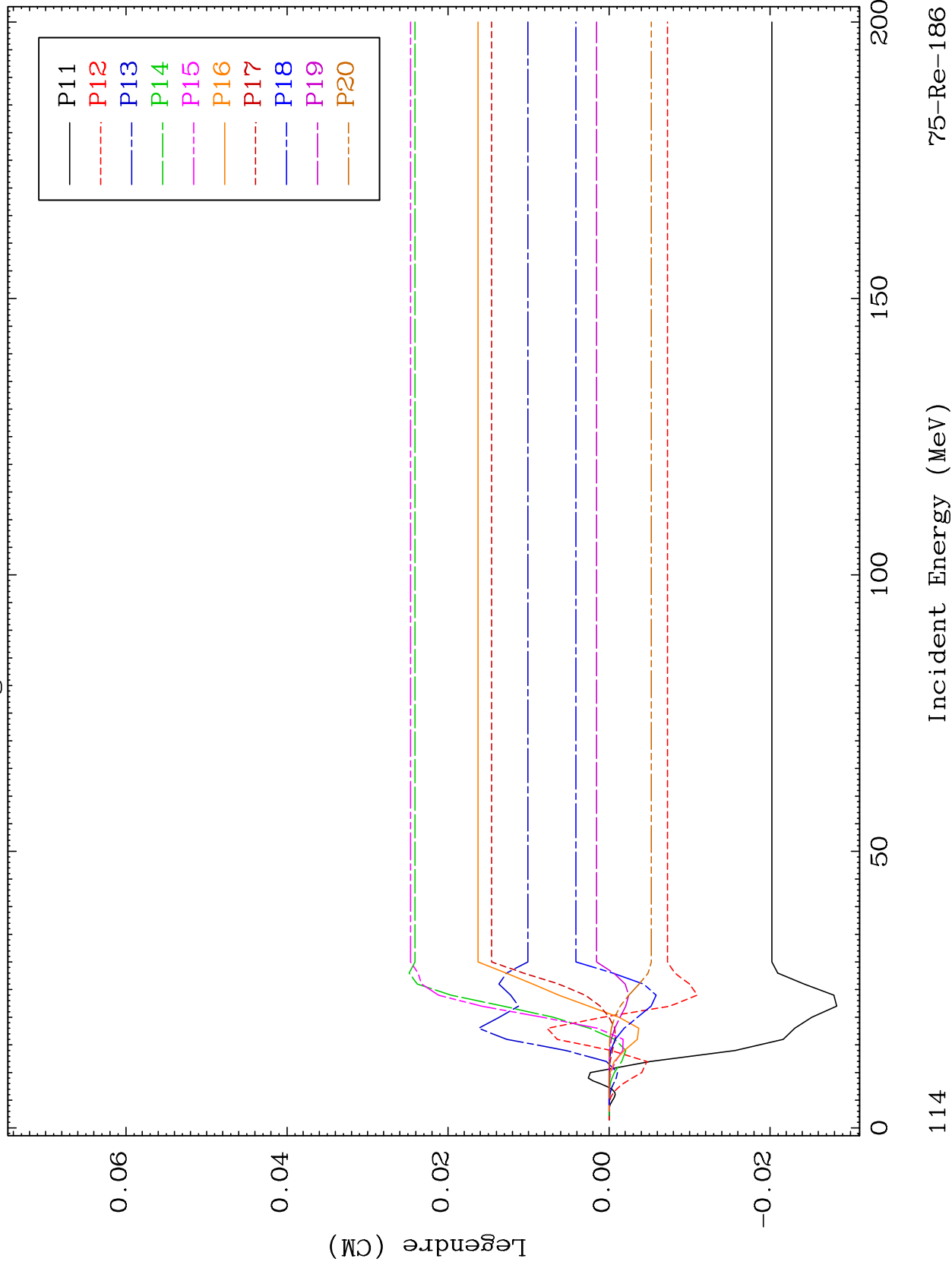
Incident Energy (MeV)

75-Re-186

MAT 7528

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

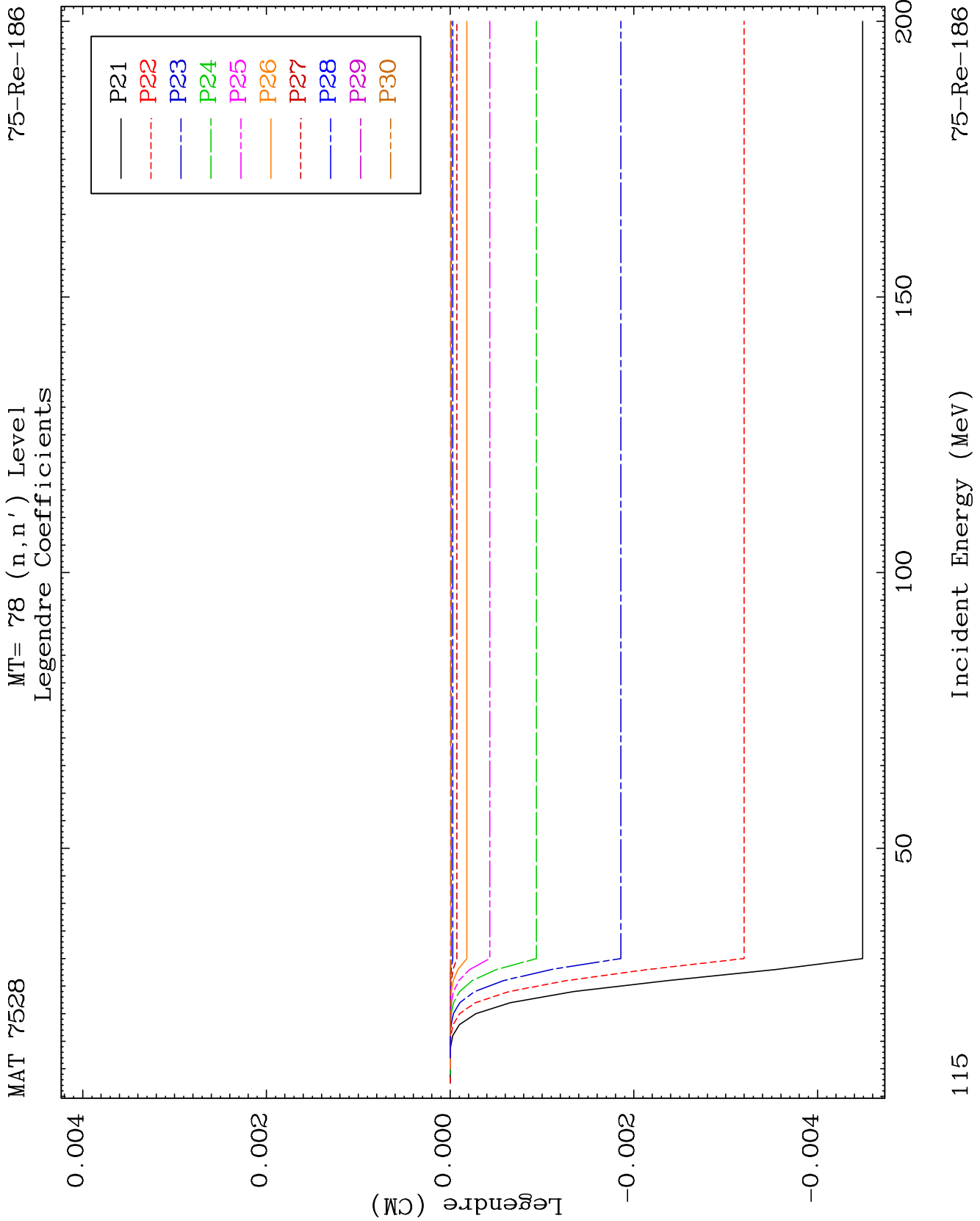
75-Re-186



75-Re-186

Incident Energy (MeV)

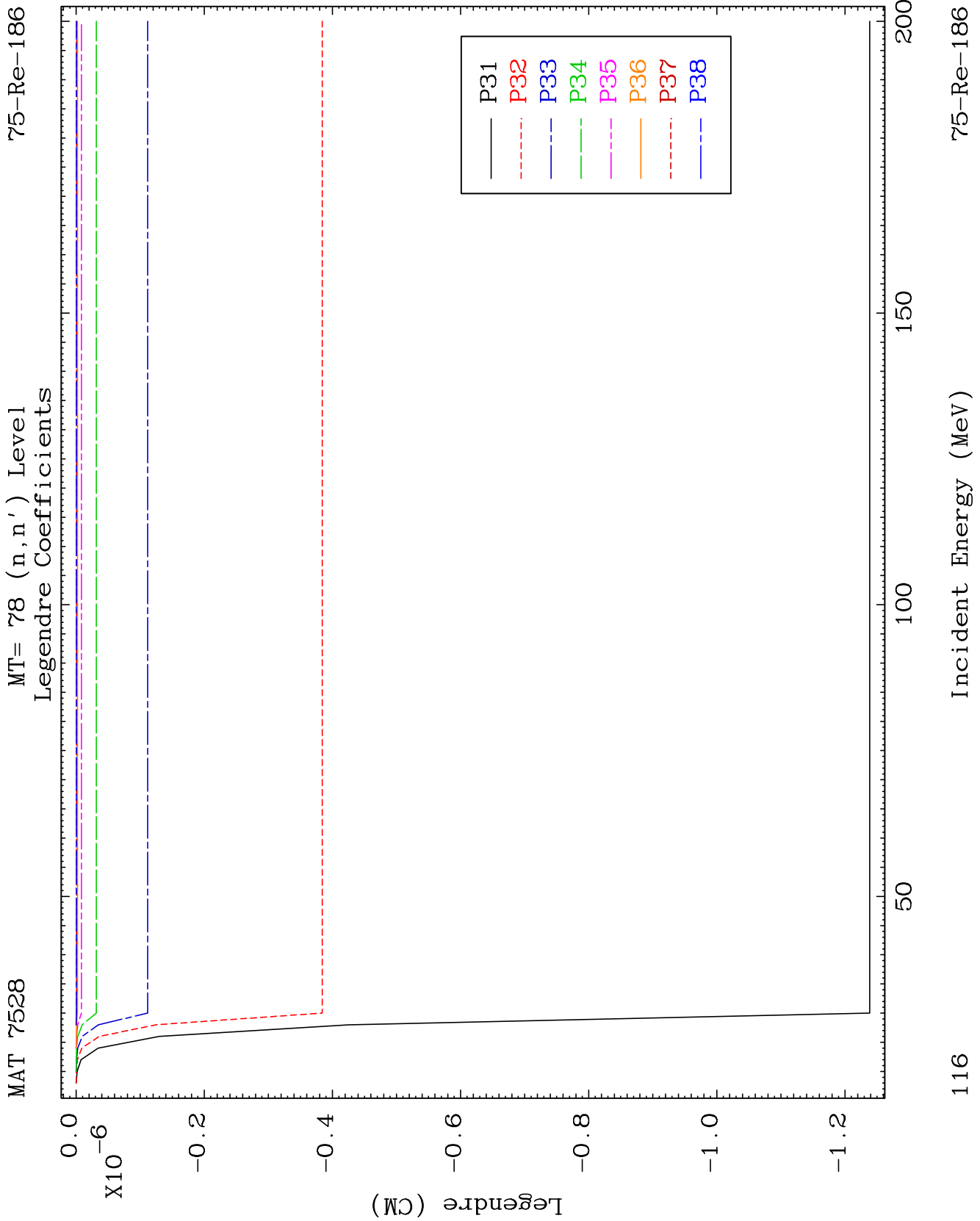
114



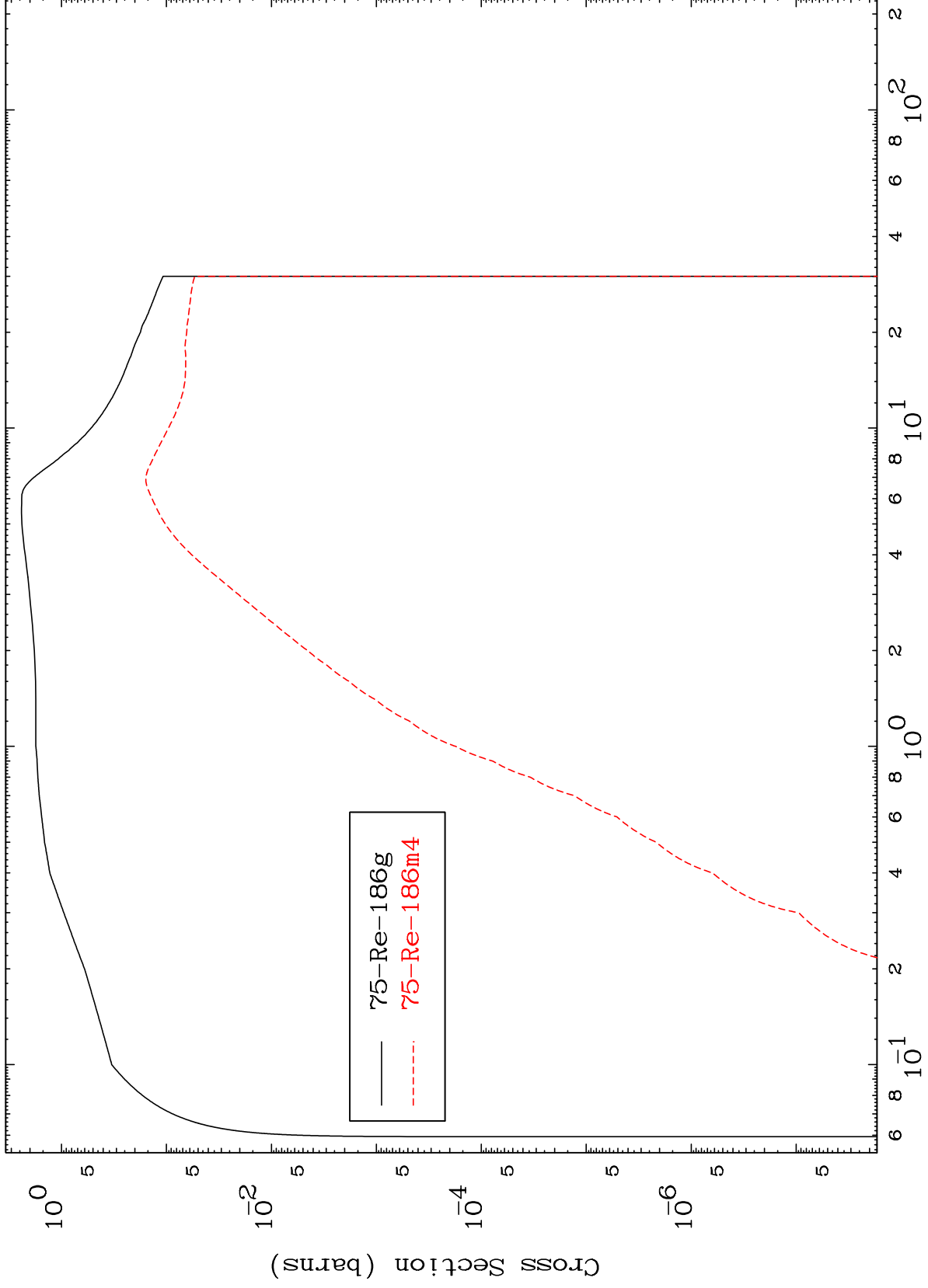
75-Re-186

Incident Energy (MeV)

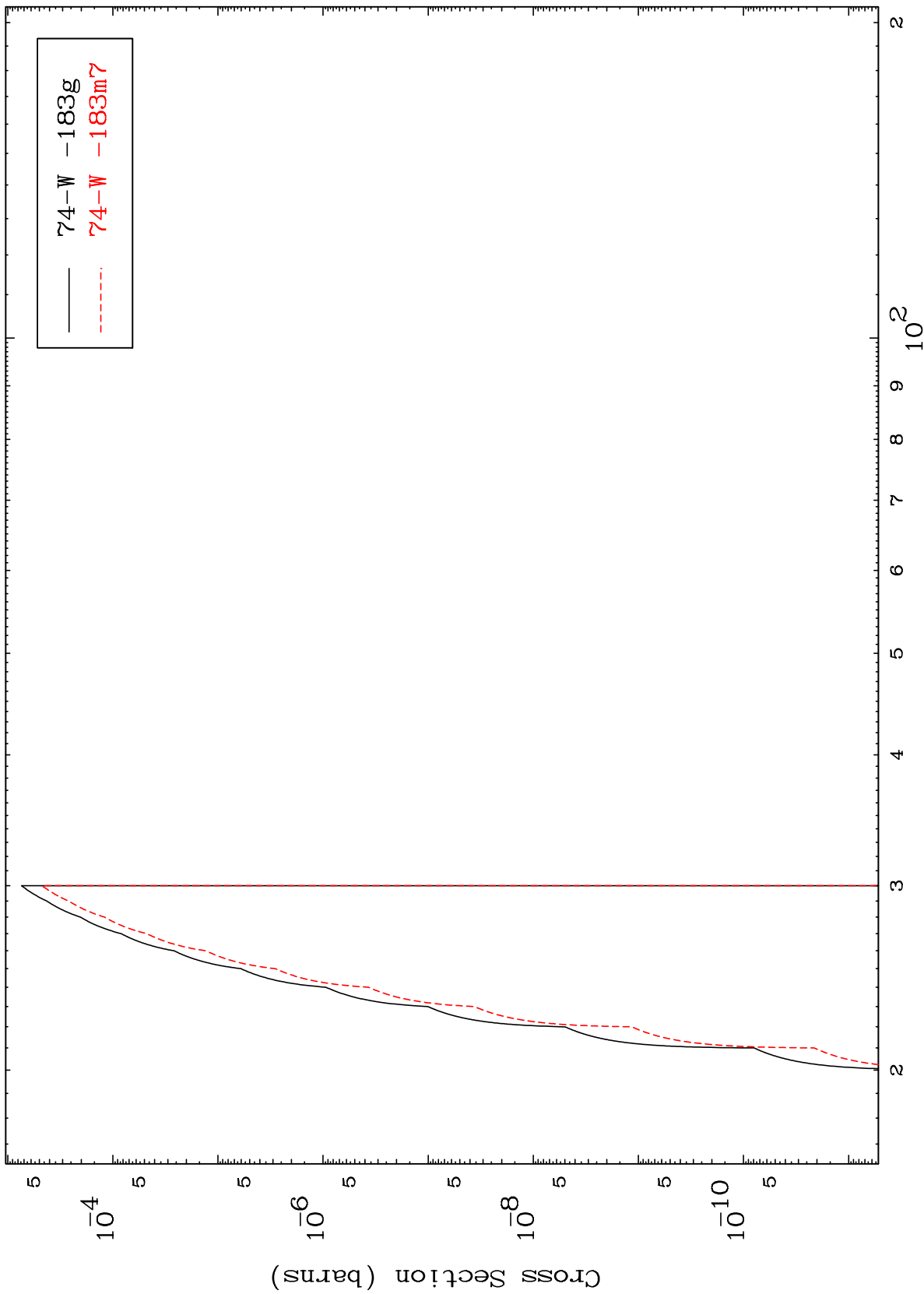
115

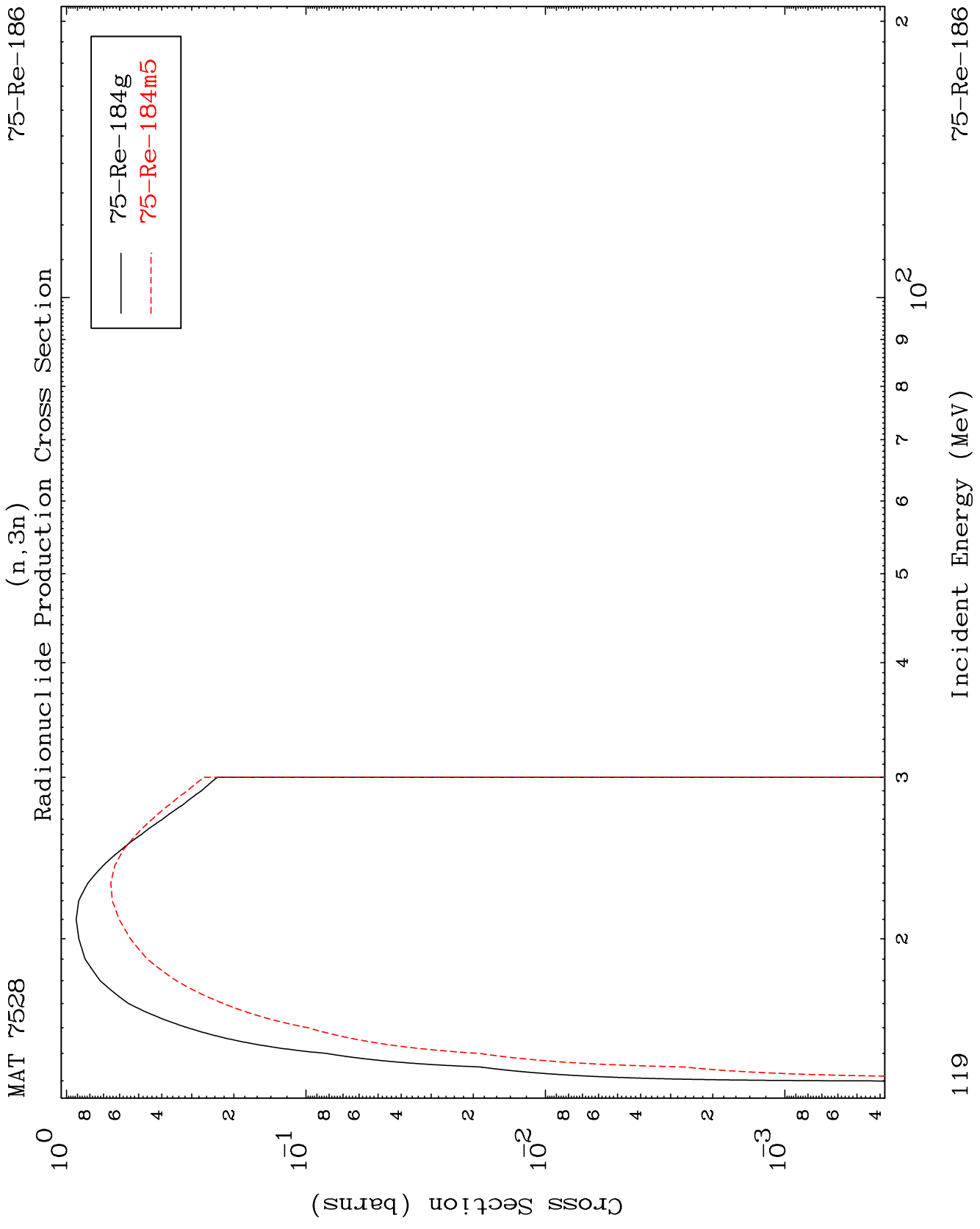


Inelastic
Radionuclide Production Cross Section



Radionuclide Production Cross Section



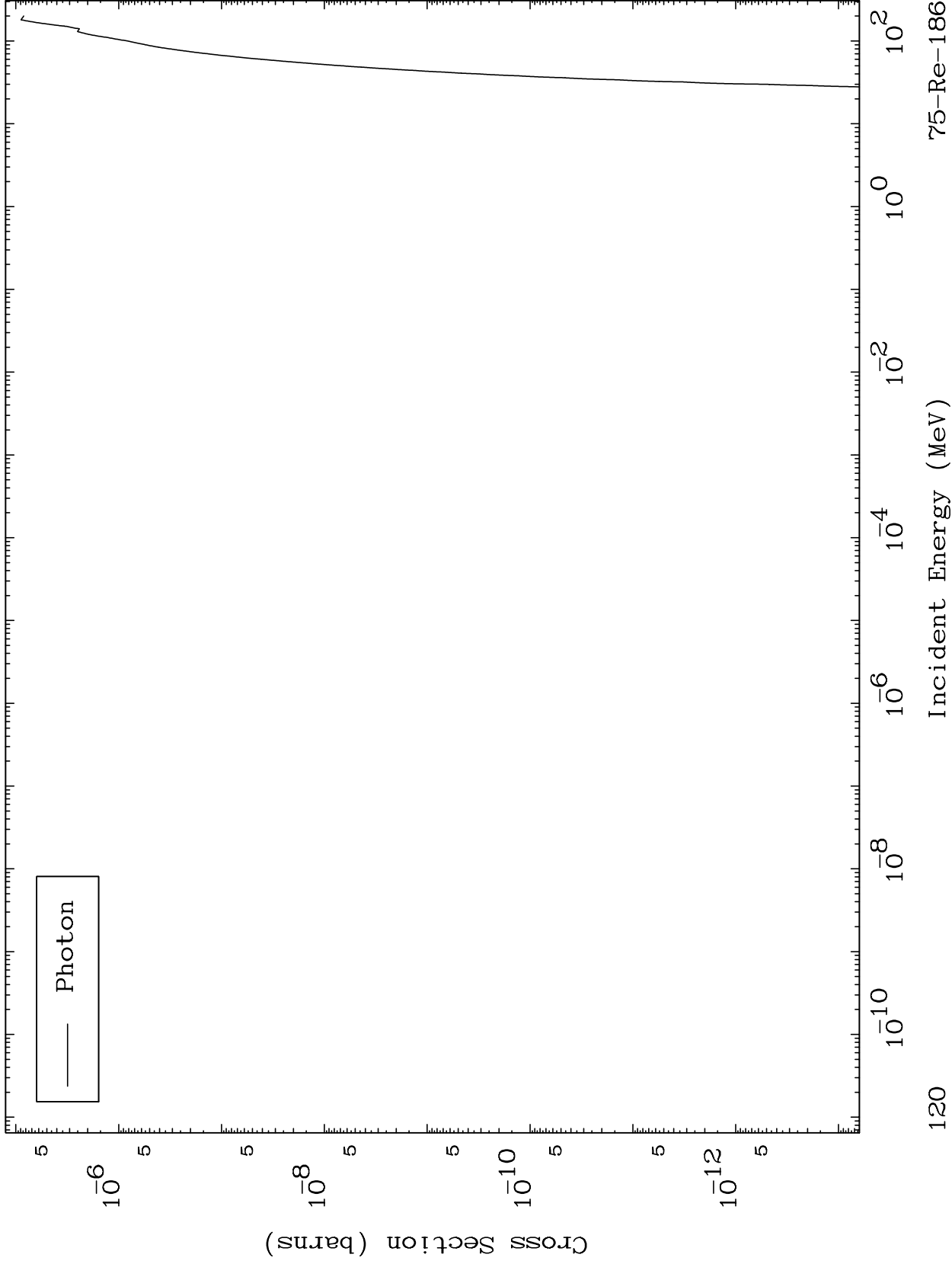


MAT 7528

Fission

75-Re-186

Radionuclide Production Cross Section



120

Incident Energy (MeV)

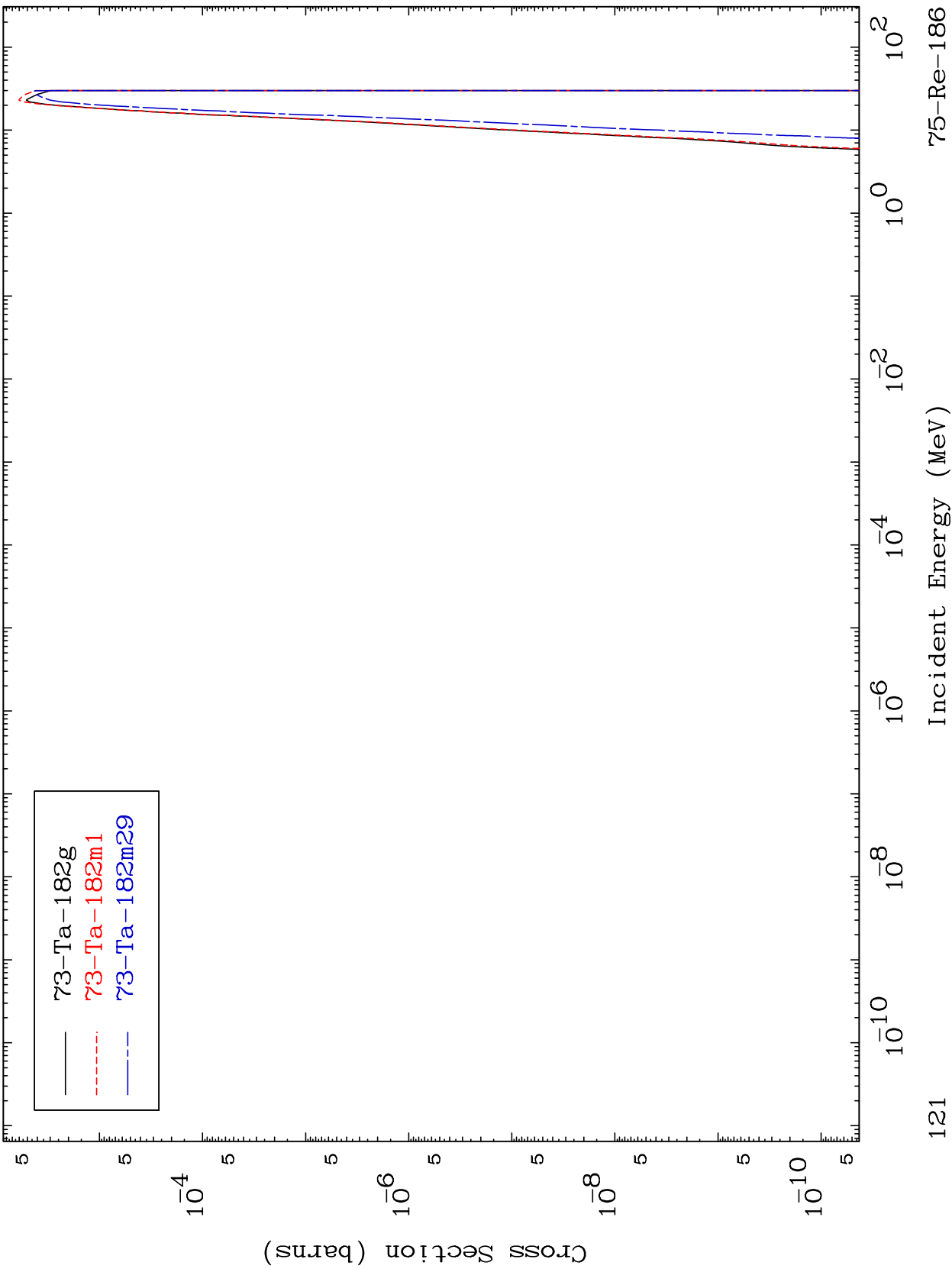
75-Re-186

MAT 7528

$(n, n') \alpha$

⁷⁵Re-186

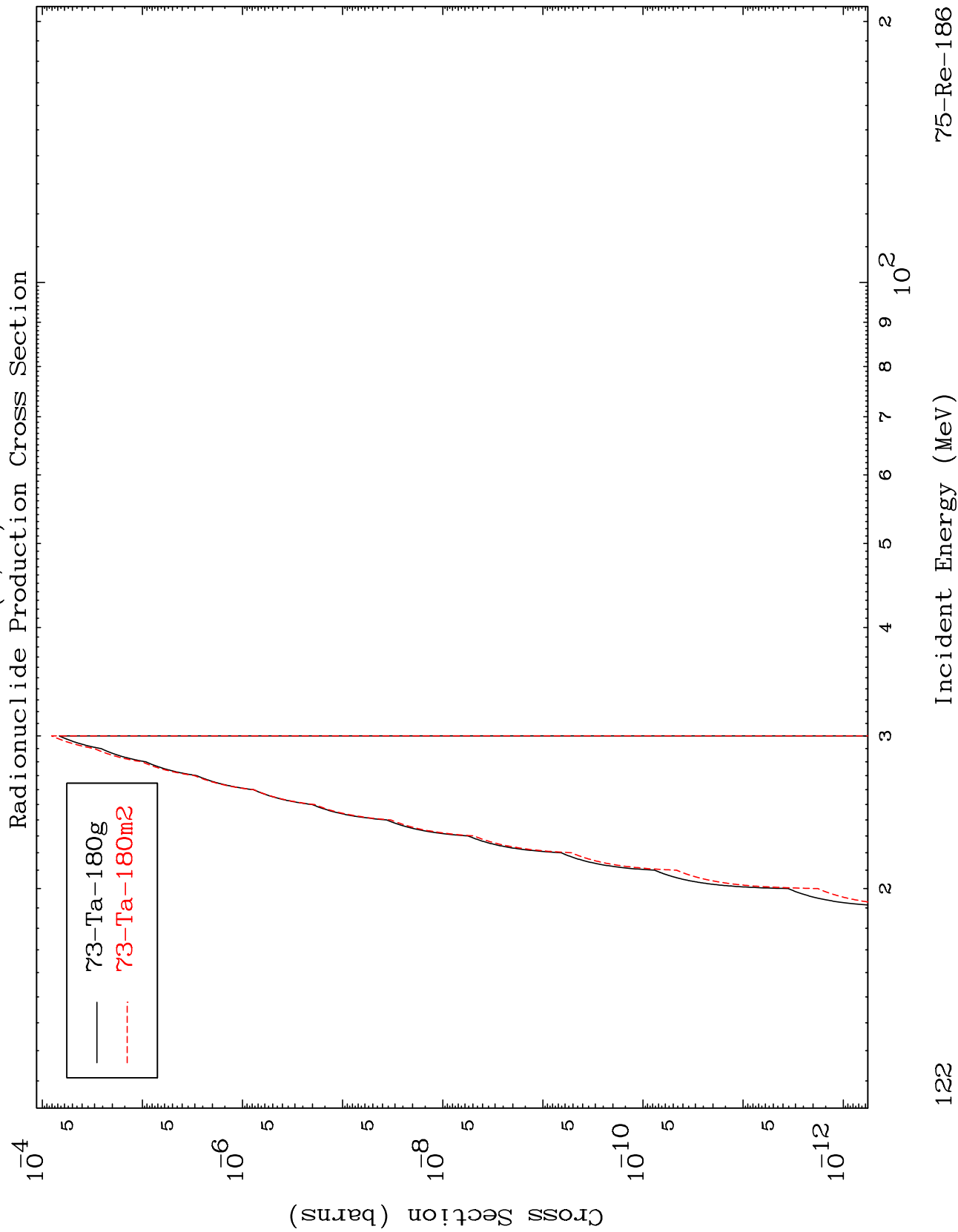
Radionuclide Production Cross Section



MAT 7528

(n,3n) α

75-Re-186

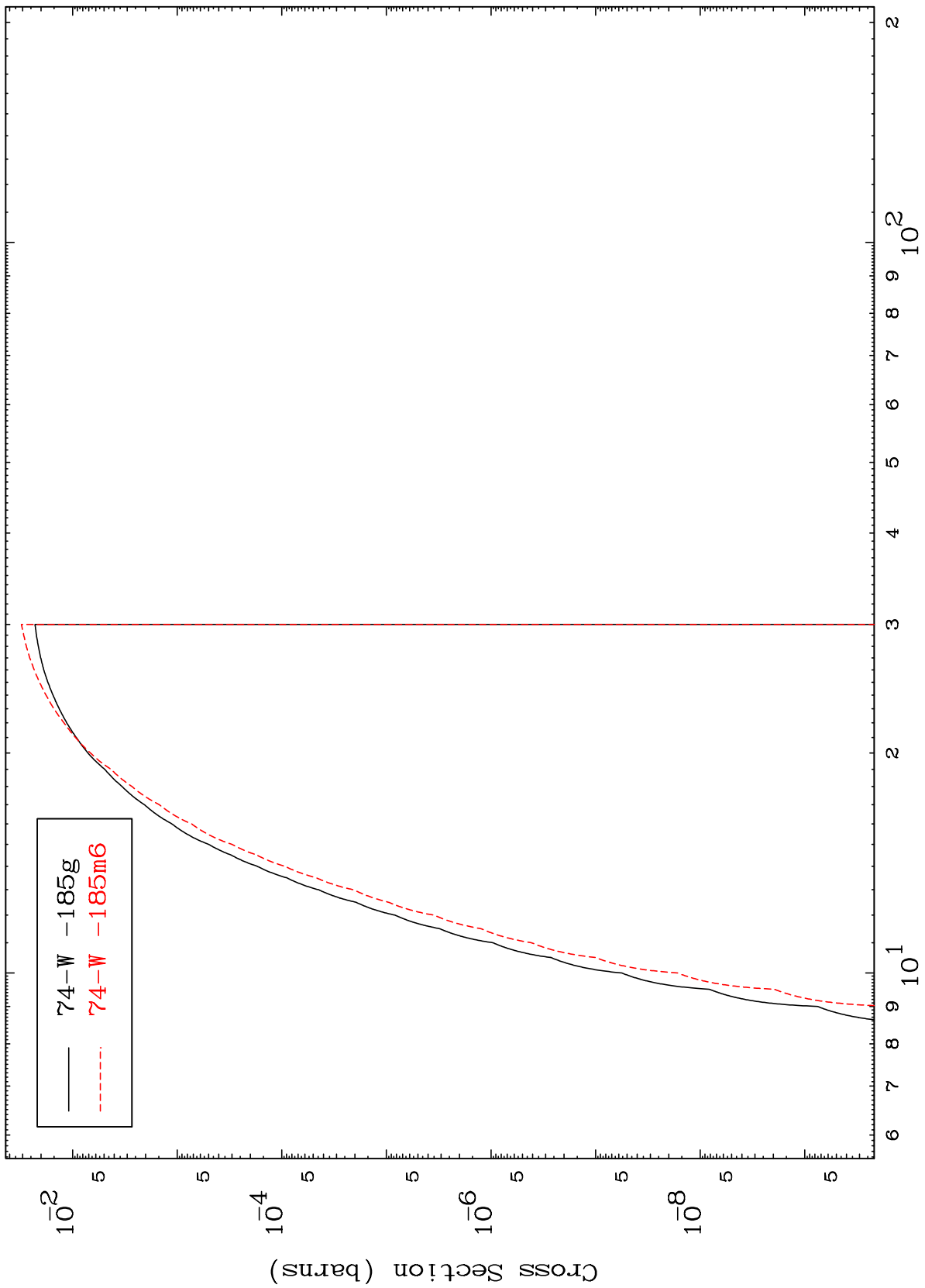


MAT 7528

(n,n') p

75-Re-186

Radionuclide Production Cross Section



74-W - 185g
74-W - 185m6

123

Incident Energy (MeV)

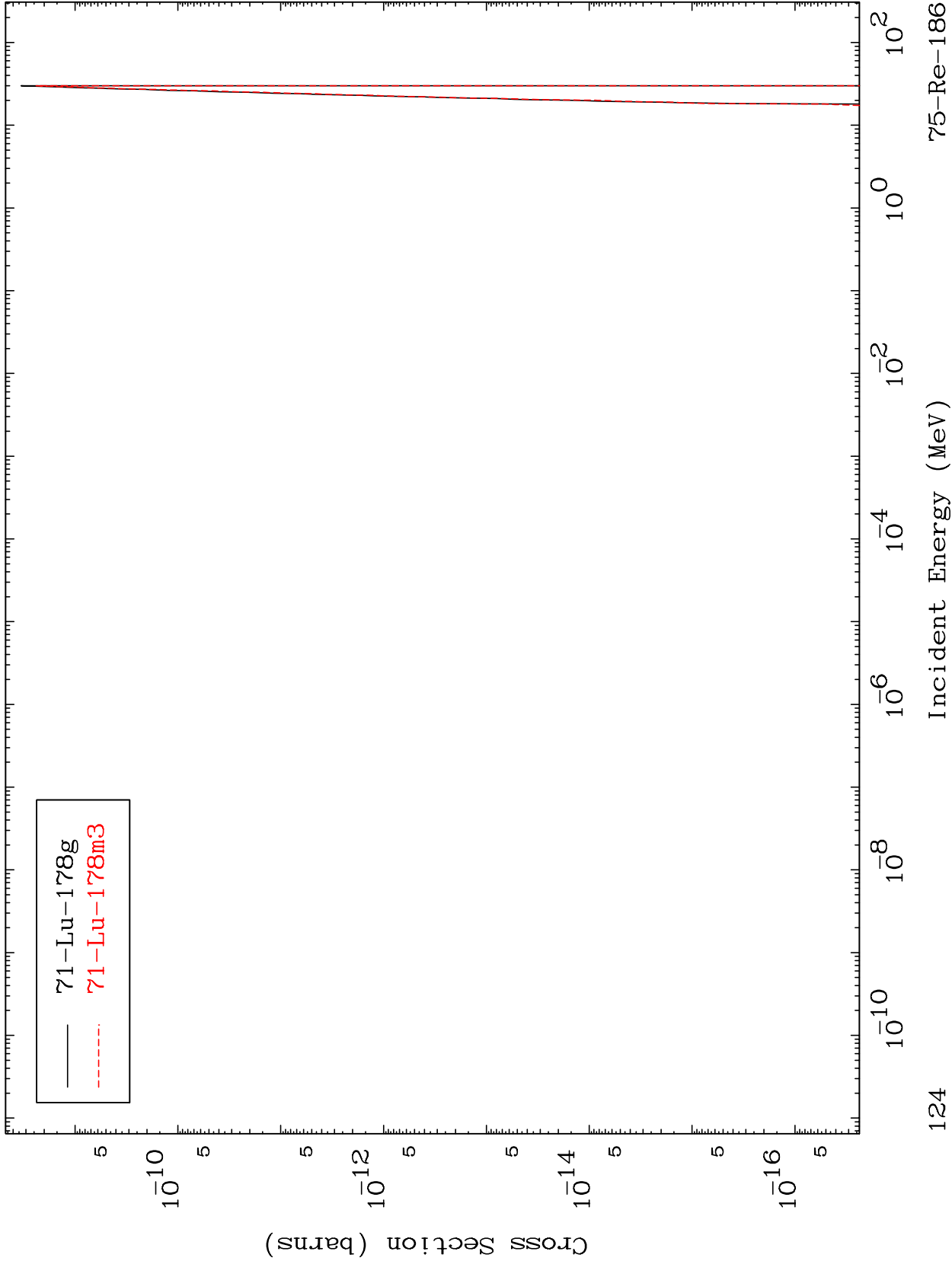
75-Re-186

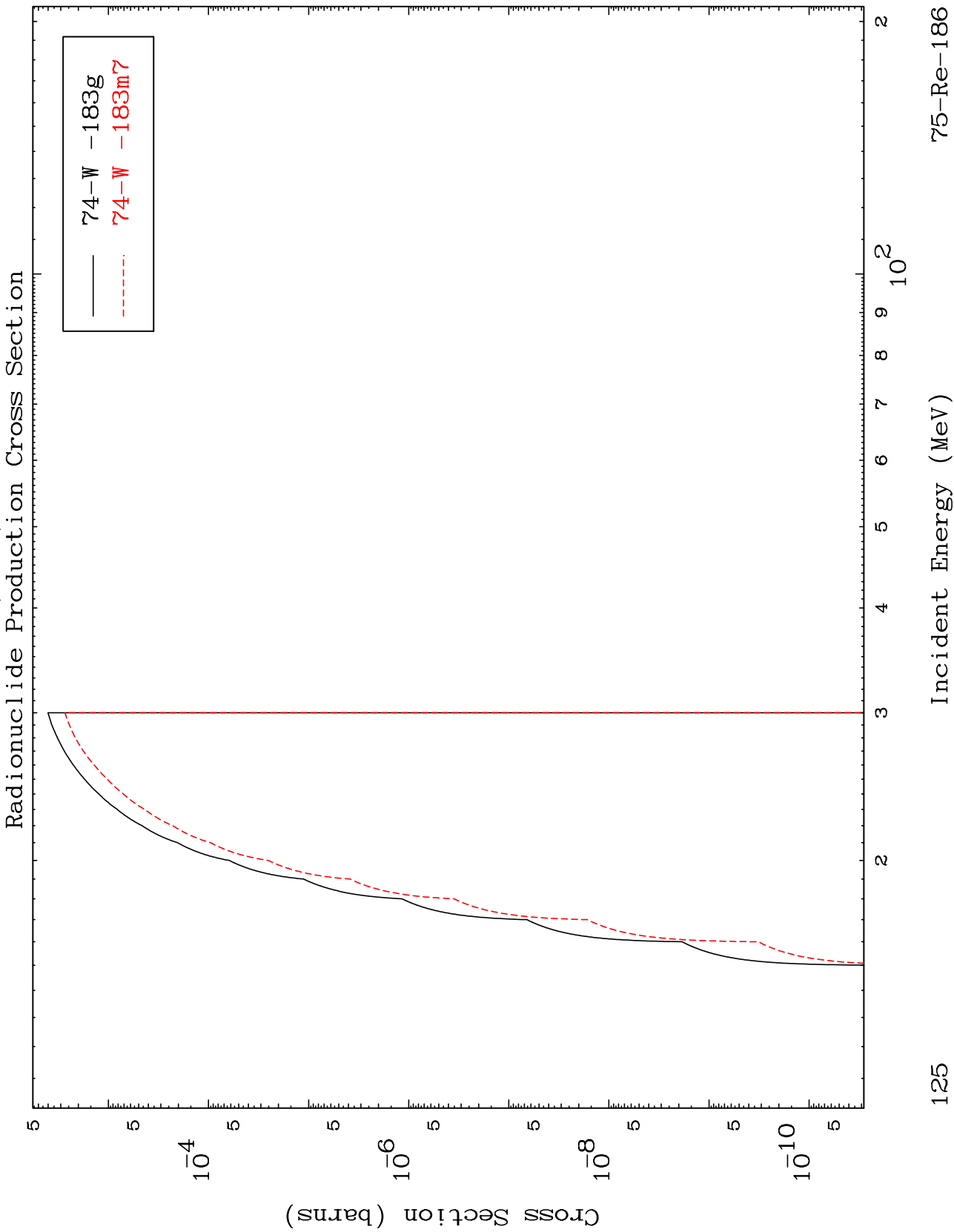
MAT 7528

(n,n') 2α

75-Re-186

Radionuclide Production Cross Section



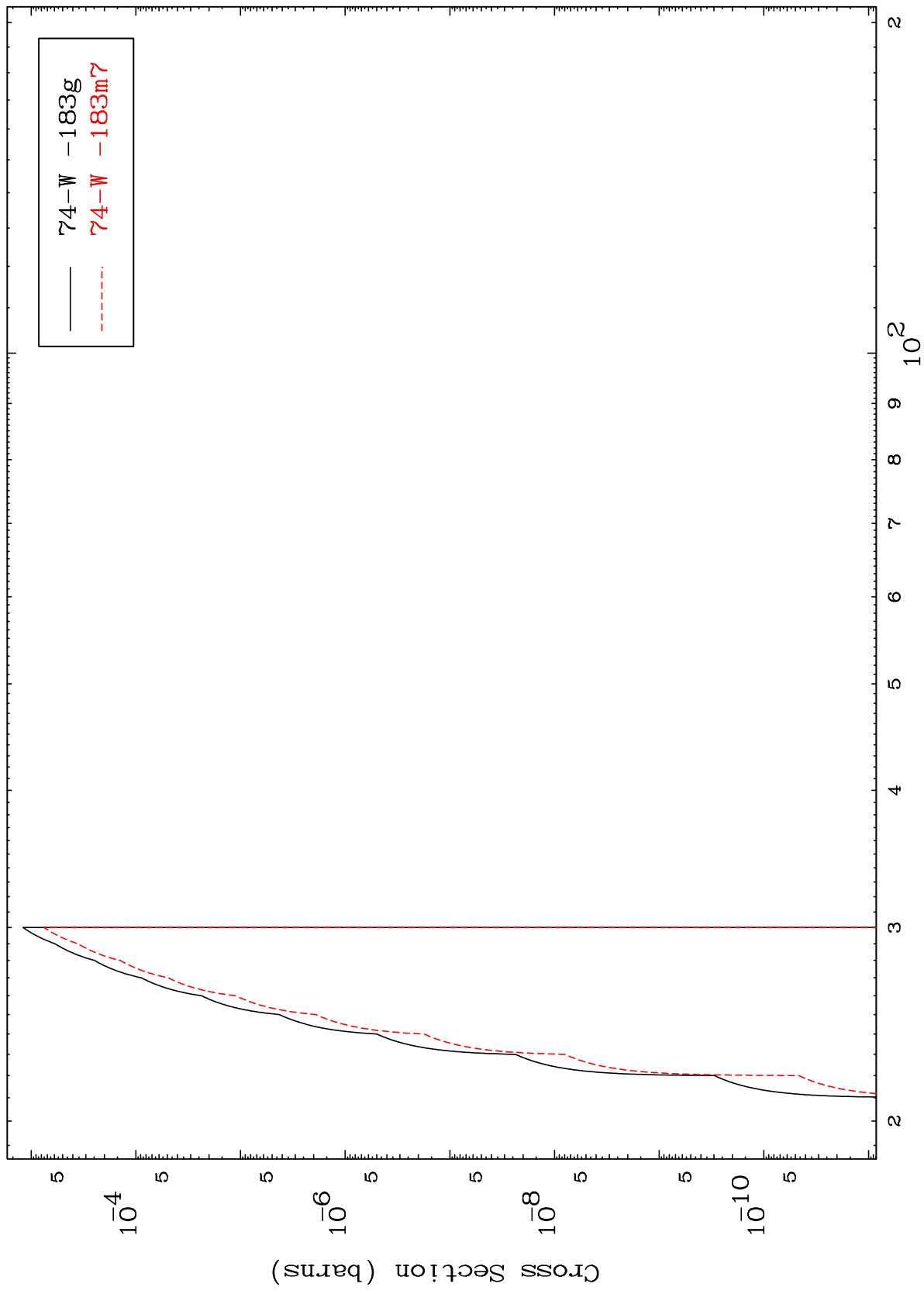


MAT 7528

(n,3n) p

75-Re-186

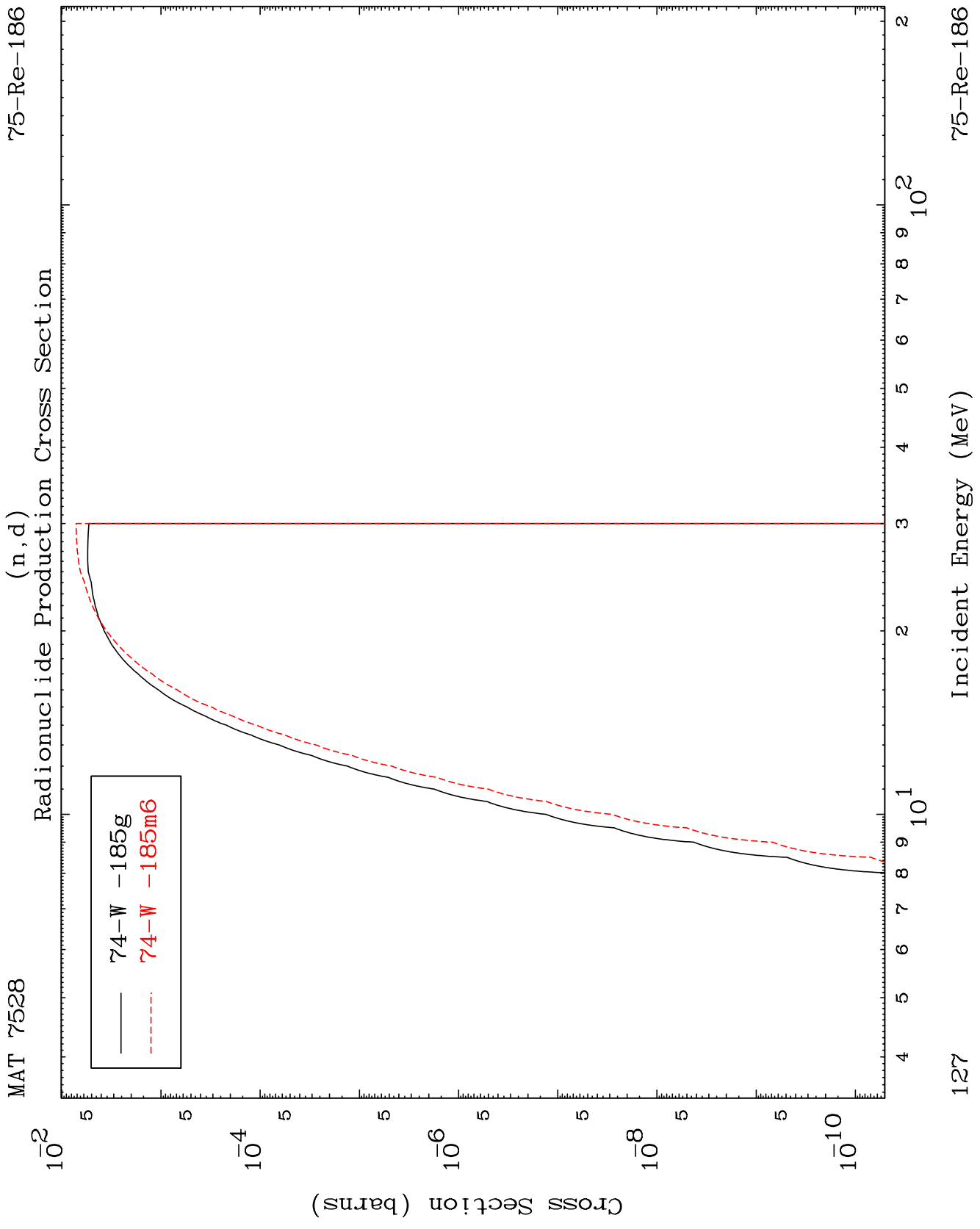
Radionuclide Production Cross Section



126

Incident Energy (MeV)

75-Re-186



MAT 7528

(n,p) α

⁷⁵Re-186

Radionuclide Production Cross Section

