

Program EVALPLOT
(Version 2021-1)

by

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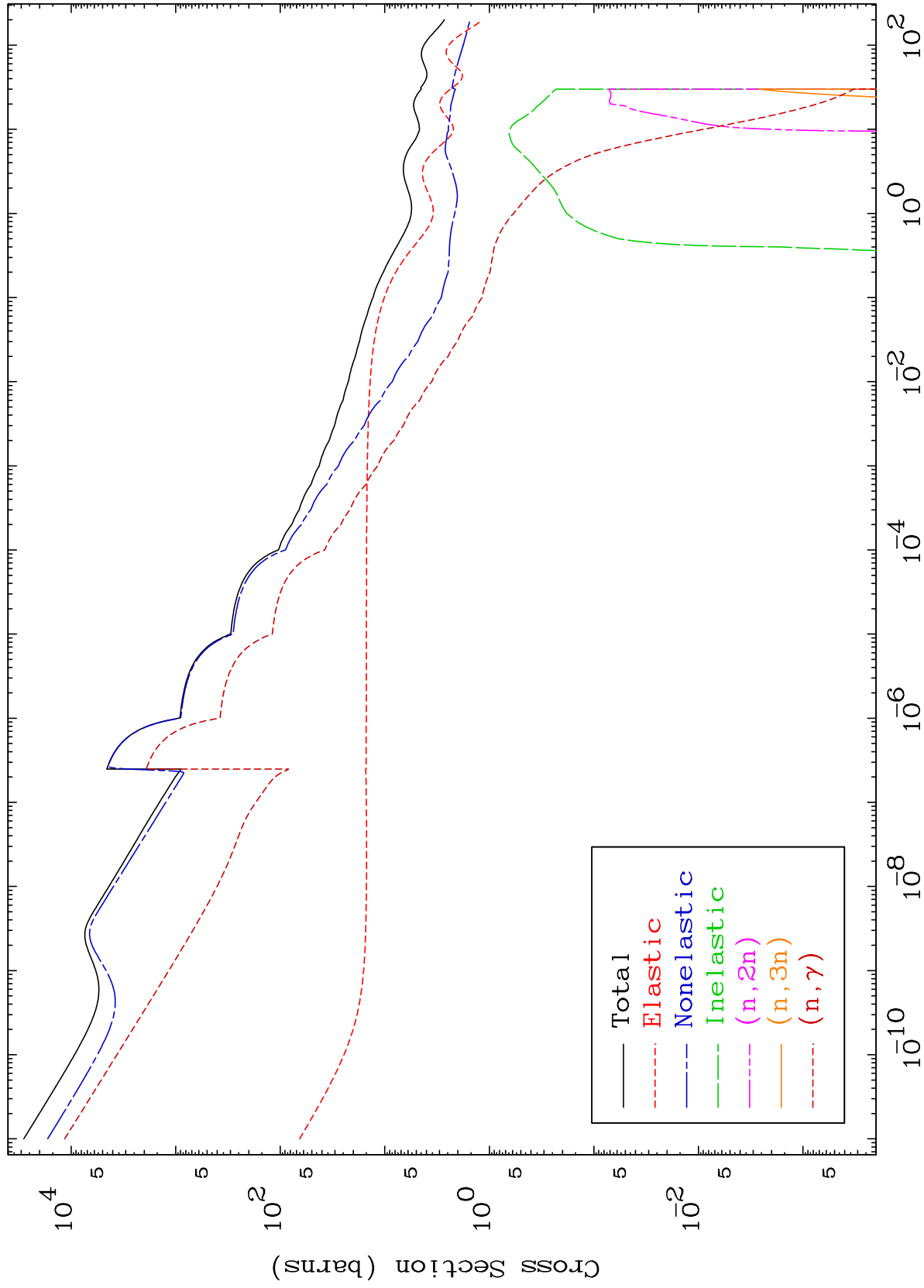
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7862

Neutron Major
293 Kelvin Cross Sections

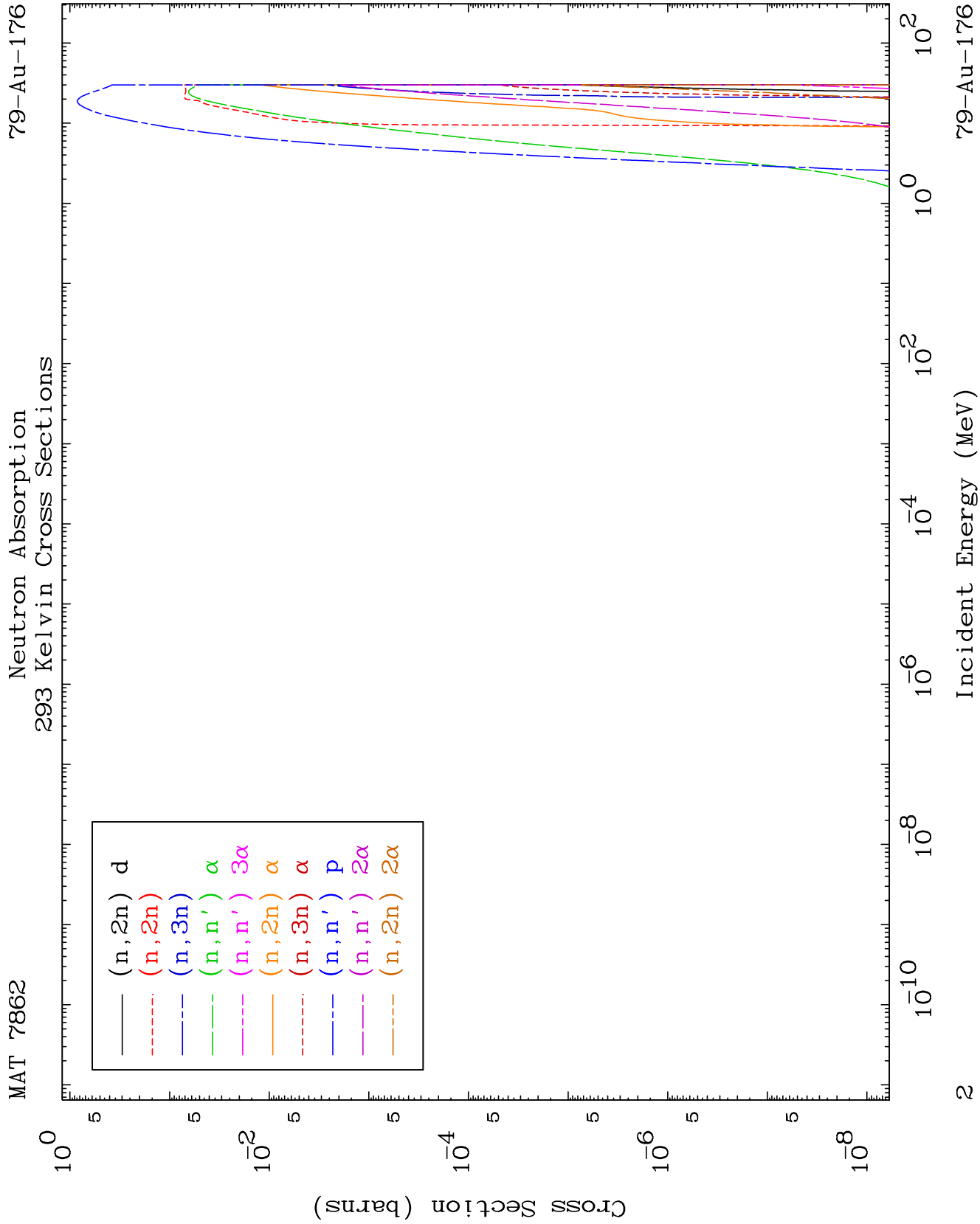
79-Au-176

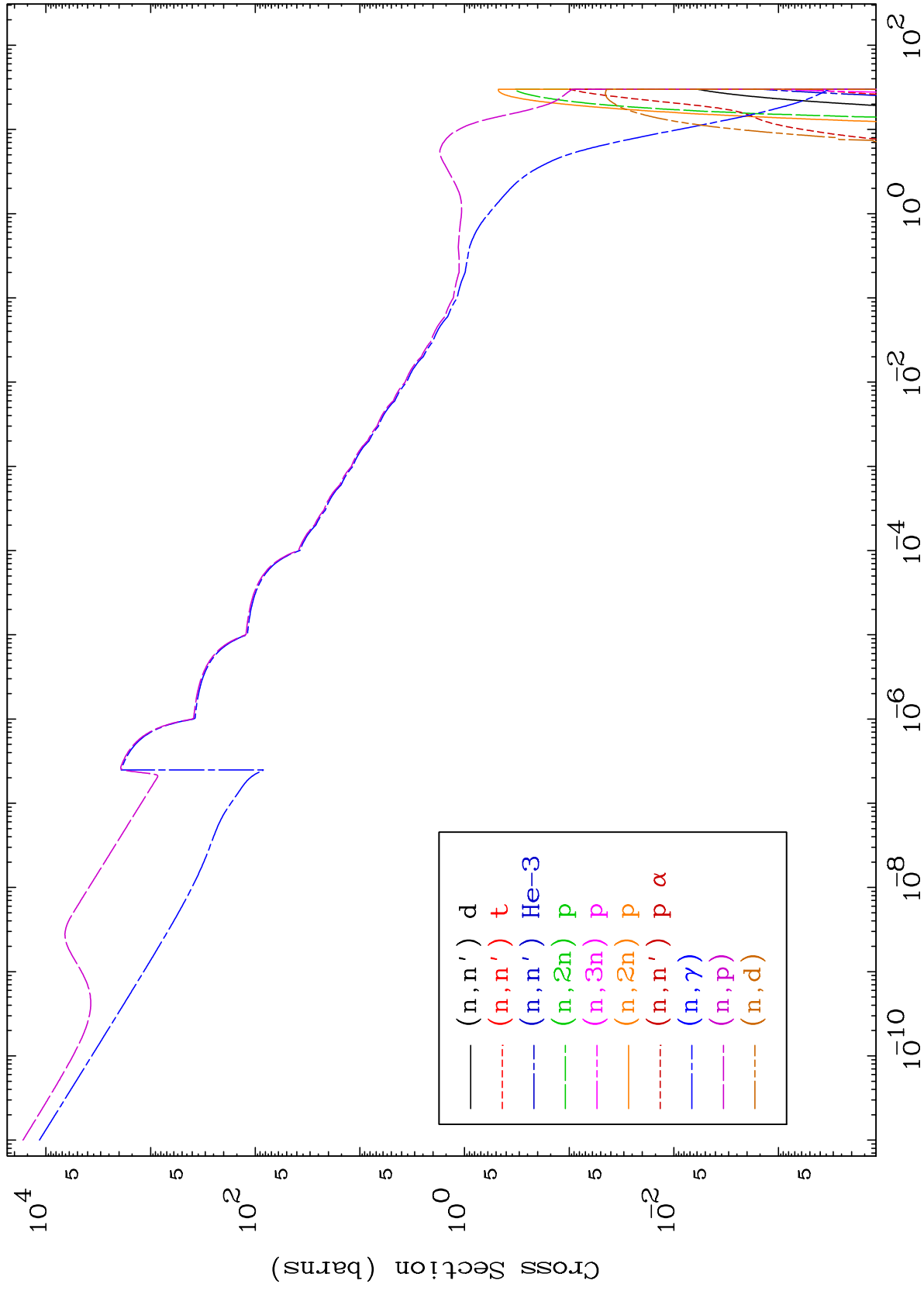


1

Incident Energy (MeV)

79-Au-176

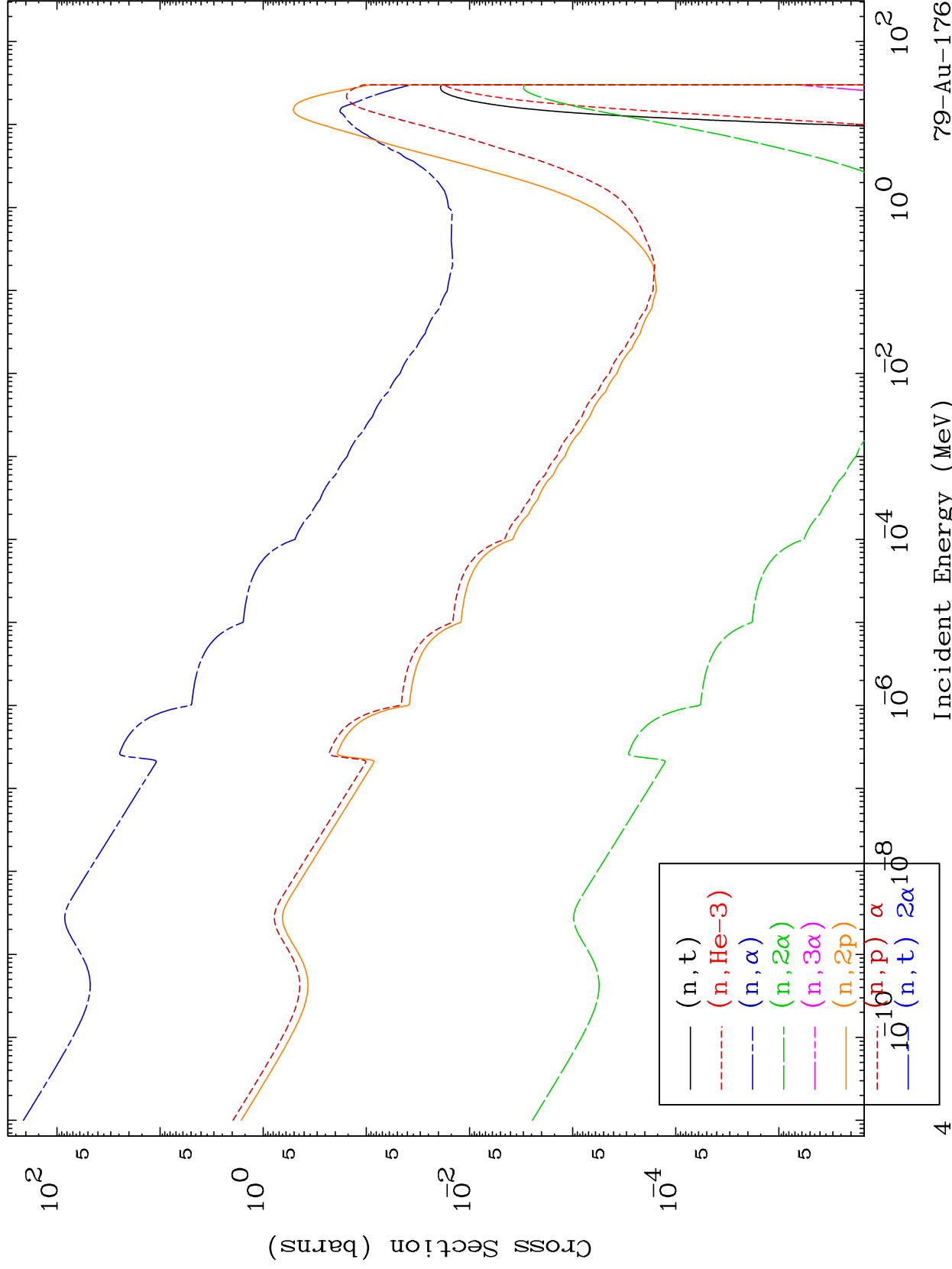


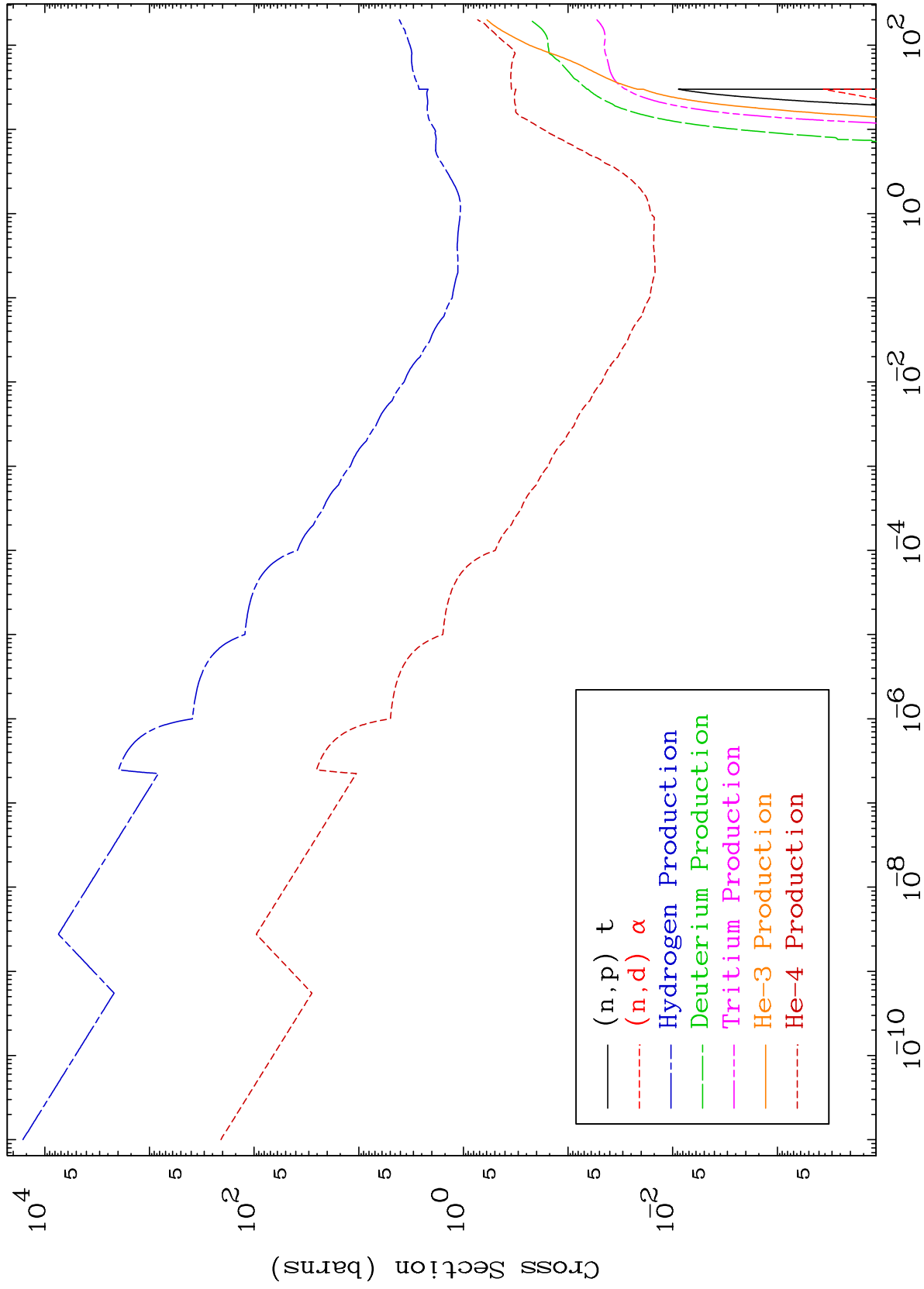


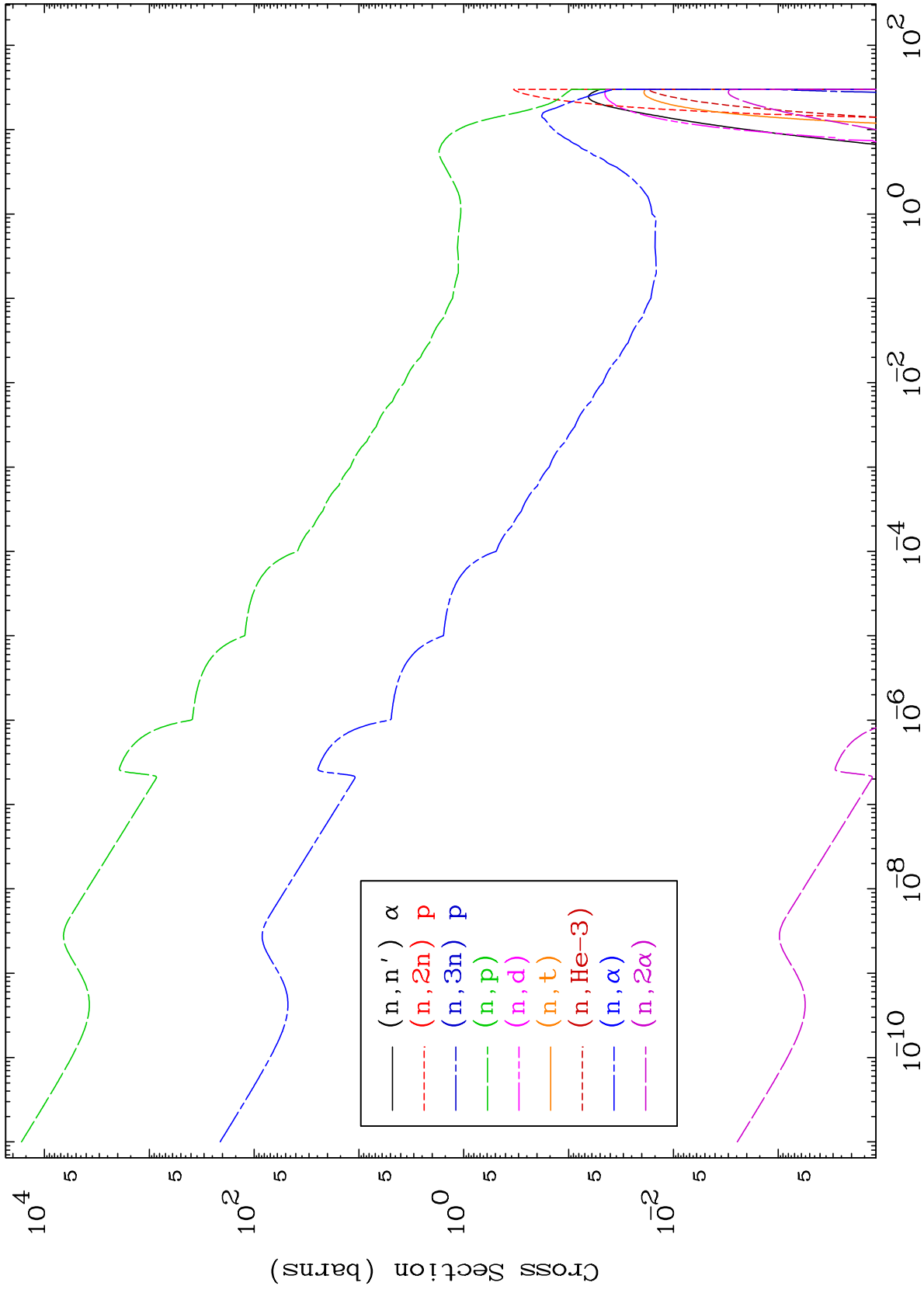
MAT 7862

Neutron Absorption
293 Kelvin Cross Sections

79-Au-176



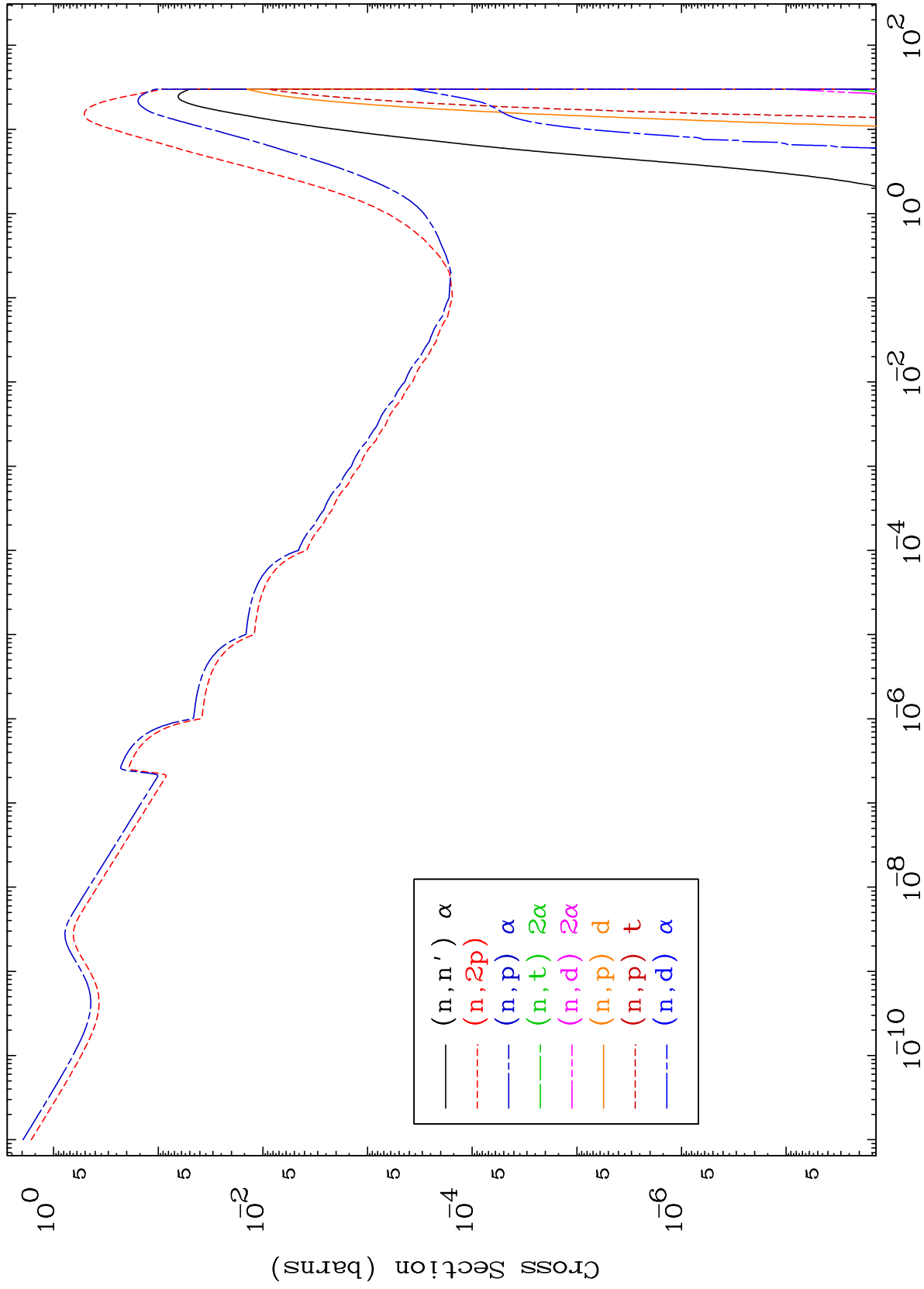


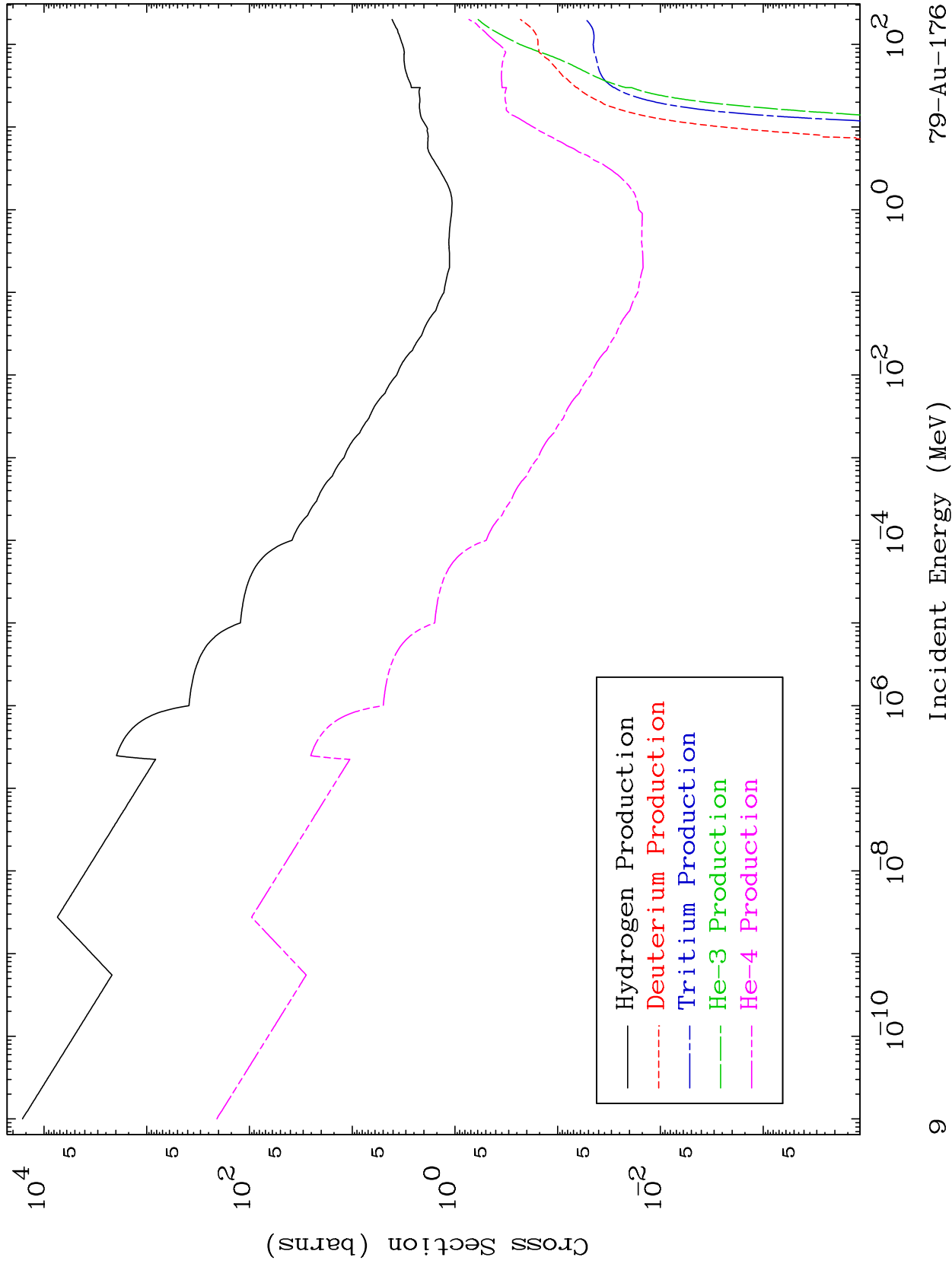


MAT 7862

Charged Particle
293 Kelvin Cross Sections

79-Au-176

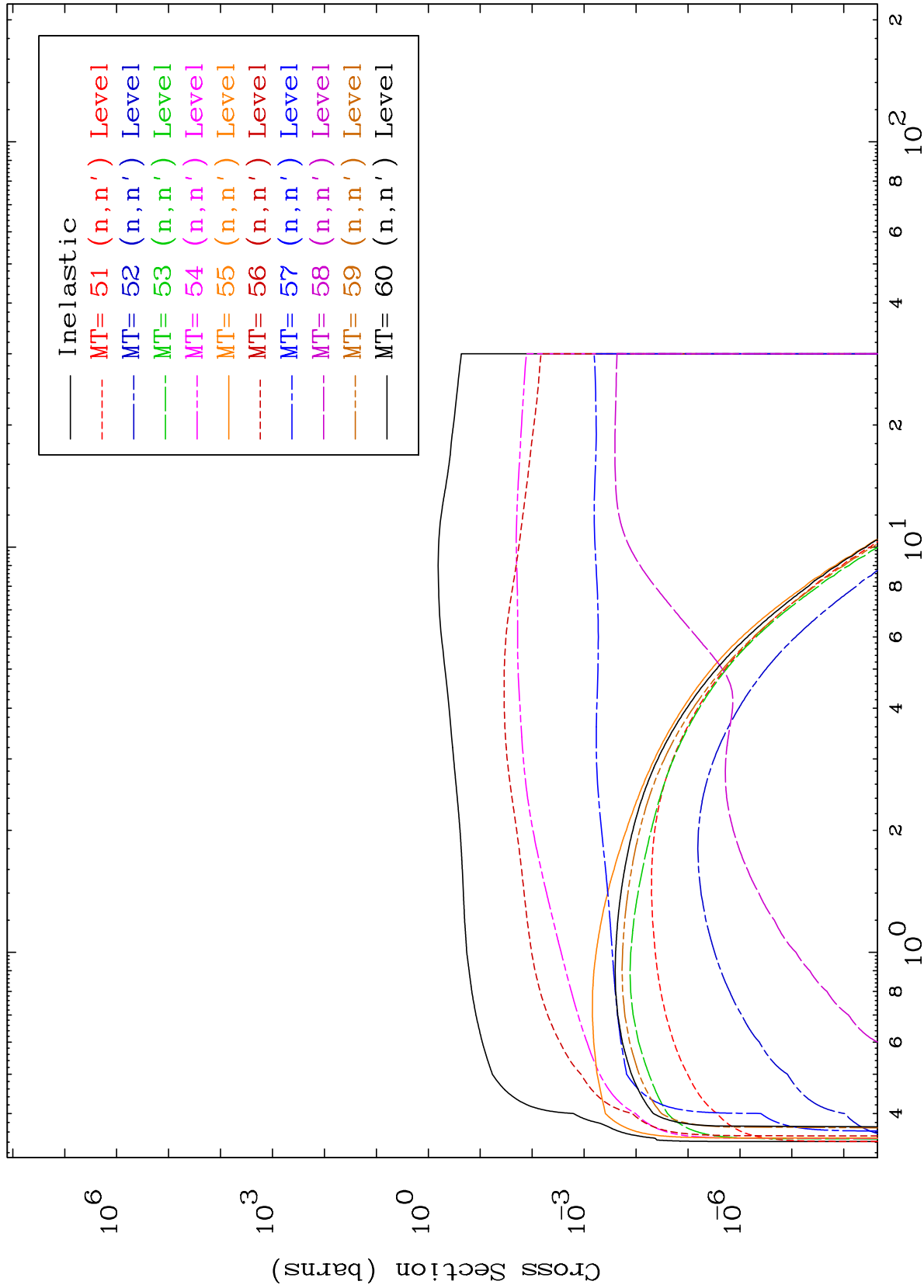


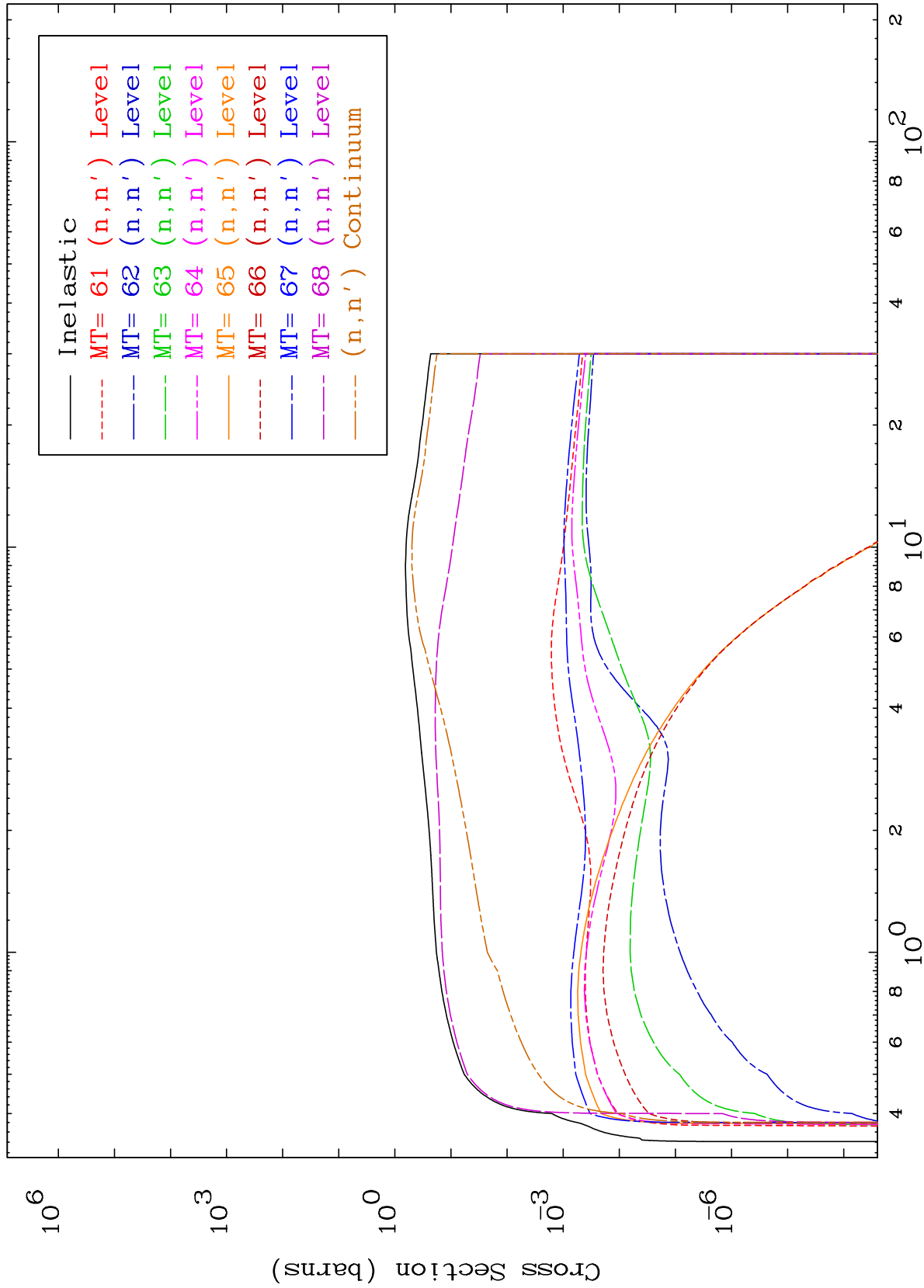


MAT 7862

(n,n') Levels
293 Kelvin Cross Sections

79-Au-176

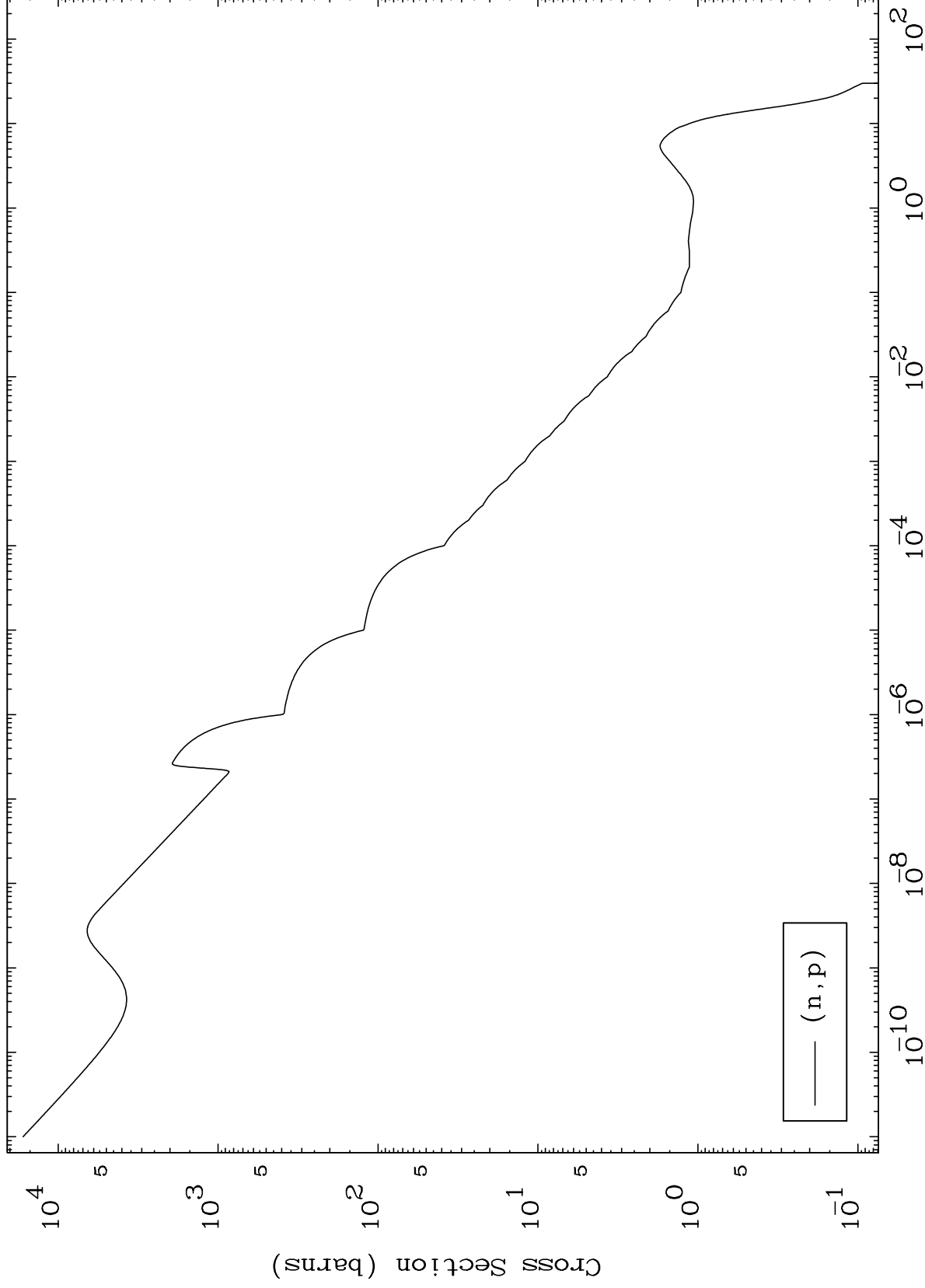




MAT 7862

(n,p) Levels
293 Kelvin Cross Sections

79-Au-176



12

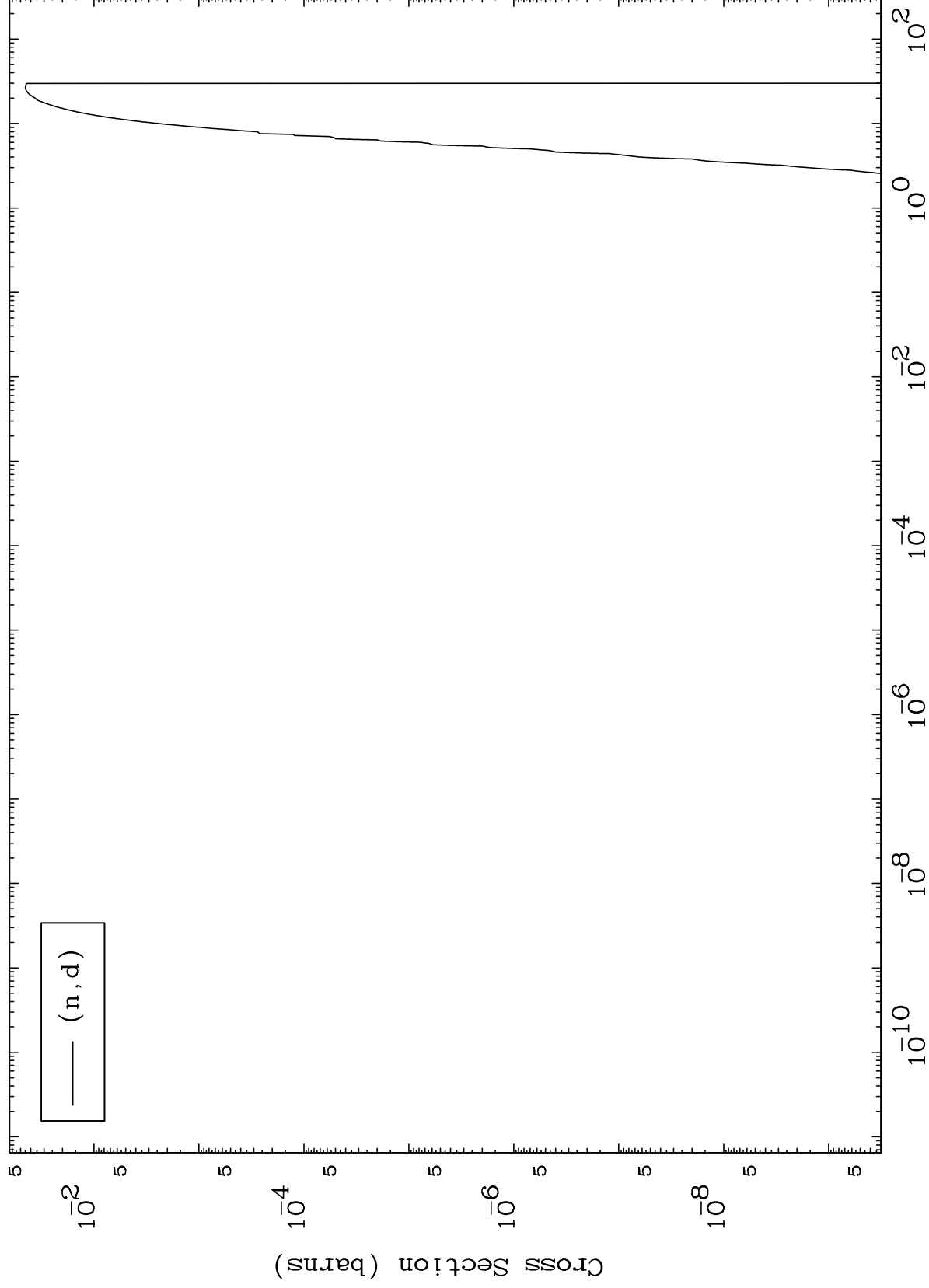
Incident Energy (MeV)

79-Au-176

MAT 7862

(n,d) Levels
293 Kelvin Cross Sections

79-Au-176



13

Incident Energy (MeV)

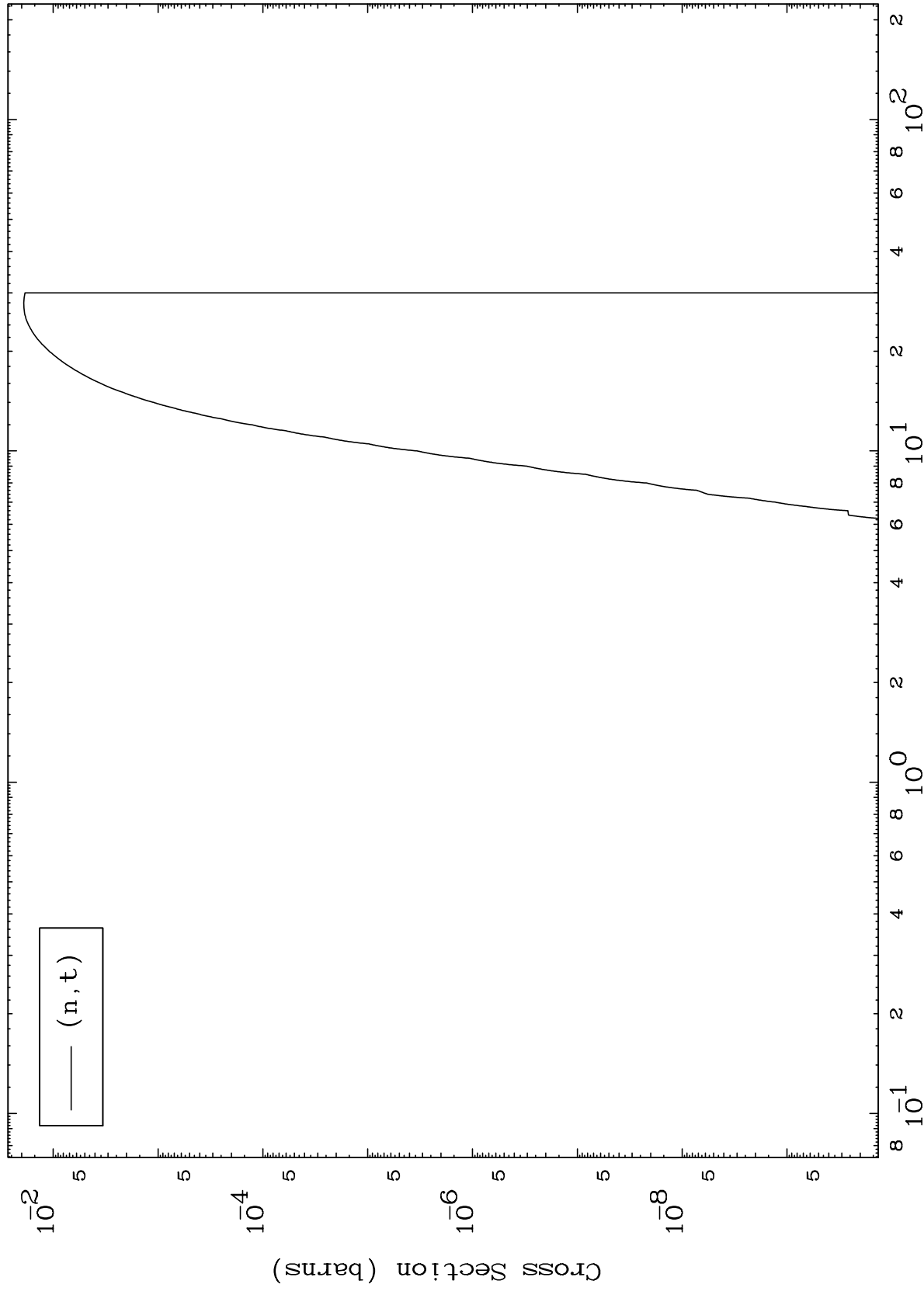
79-Au-176

MAT 7862

(n,t) Levels

79-Au-176

293 Kelvin Cross Sections



14

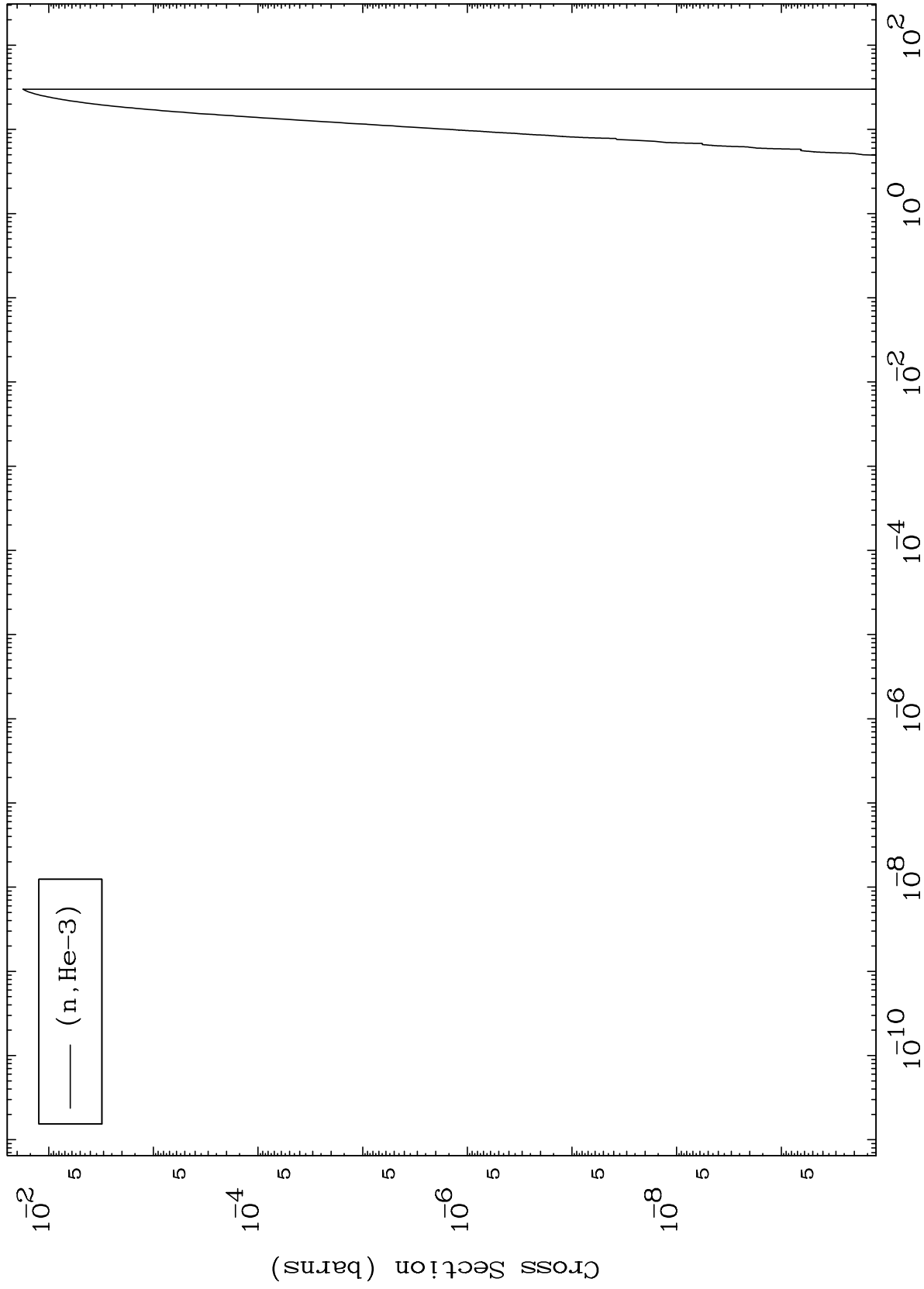
Incident Energy (MeV)

79-Au-176

MAT 7862

(n,He3) Levels
293 Kelvin Cross Sections

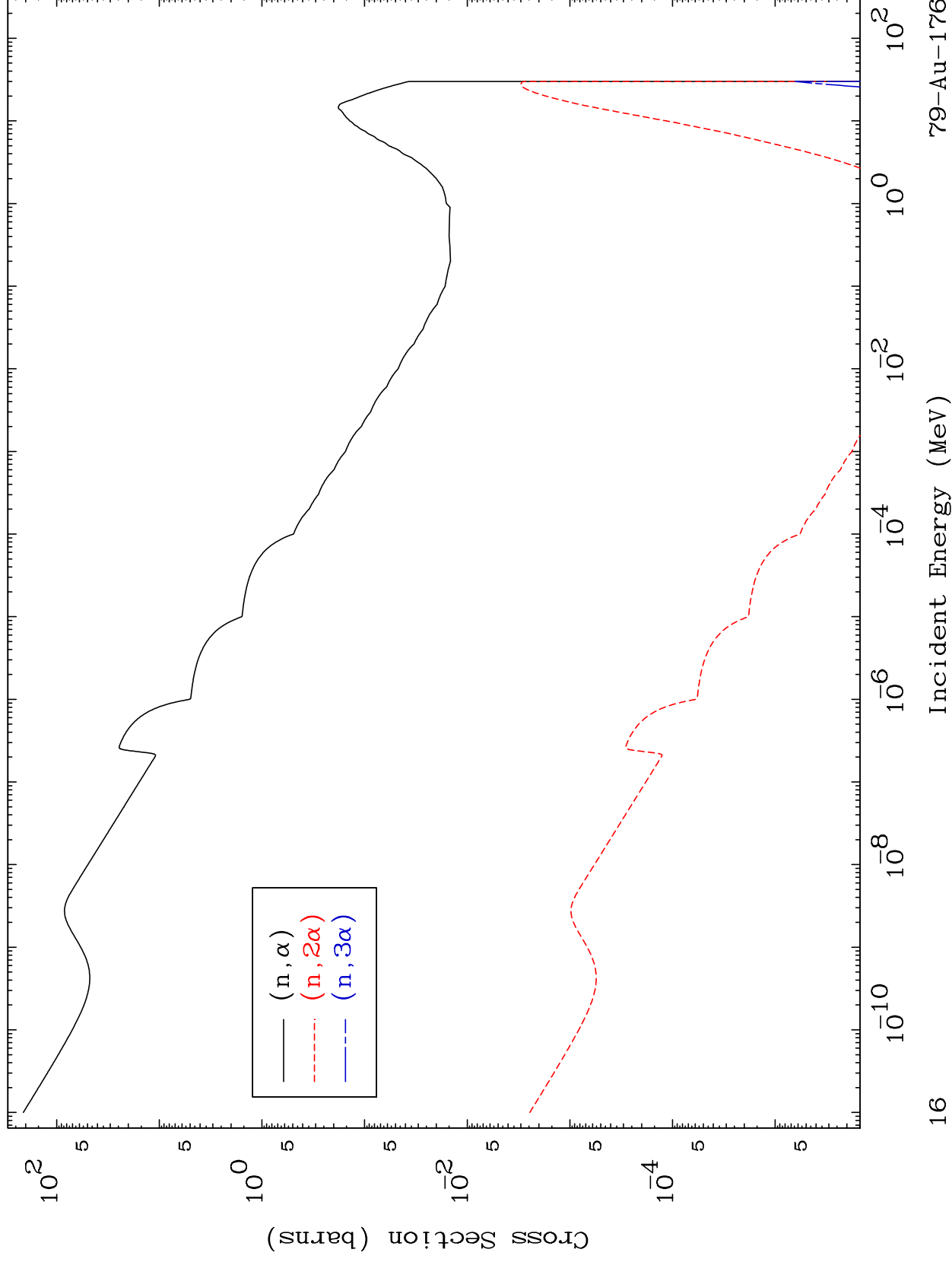
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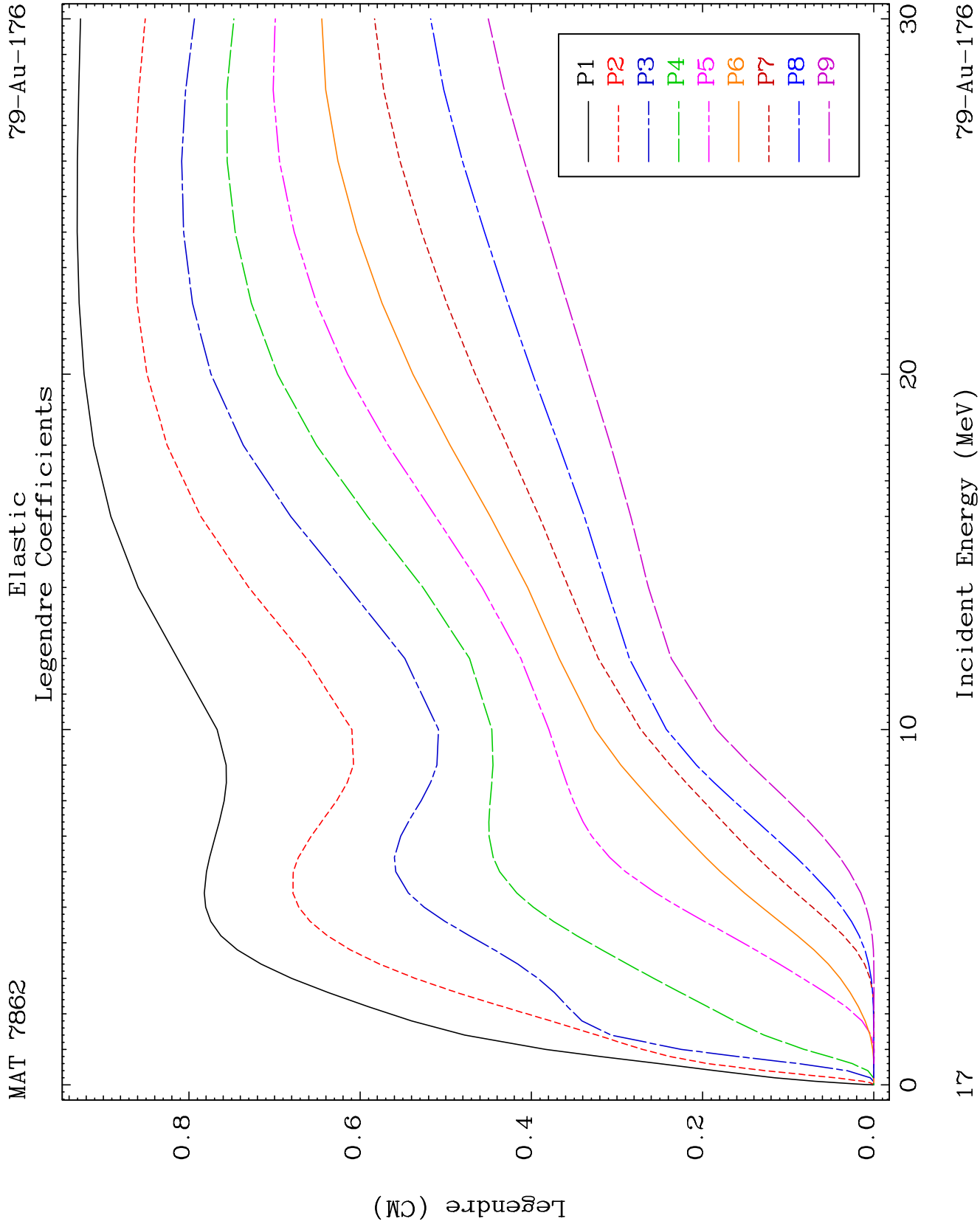


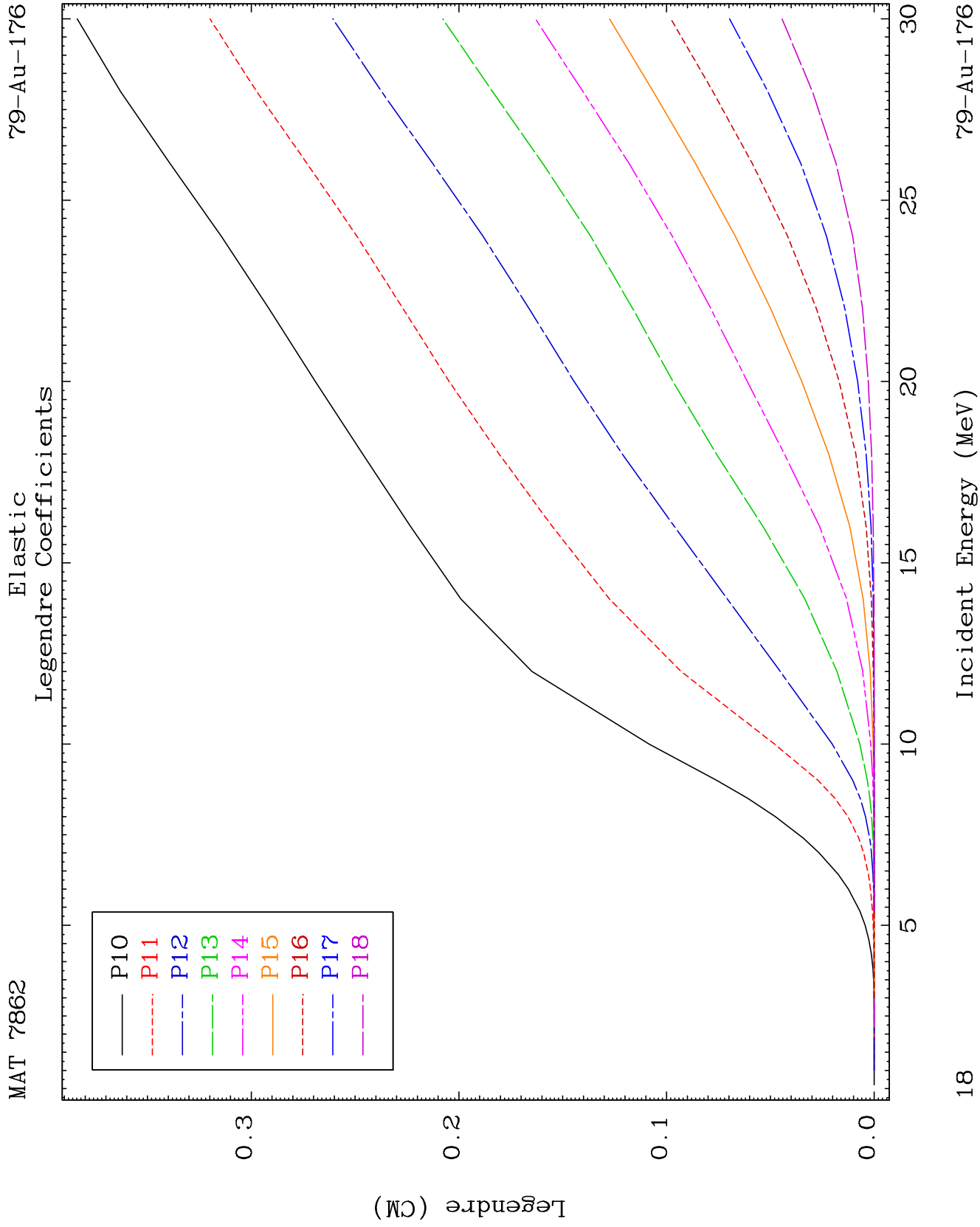
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Incident Energy (MeV)

79-Au-176

(n, α) Levels
293 Kelvin Cross Sections

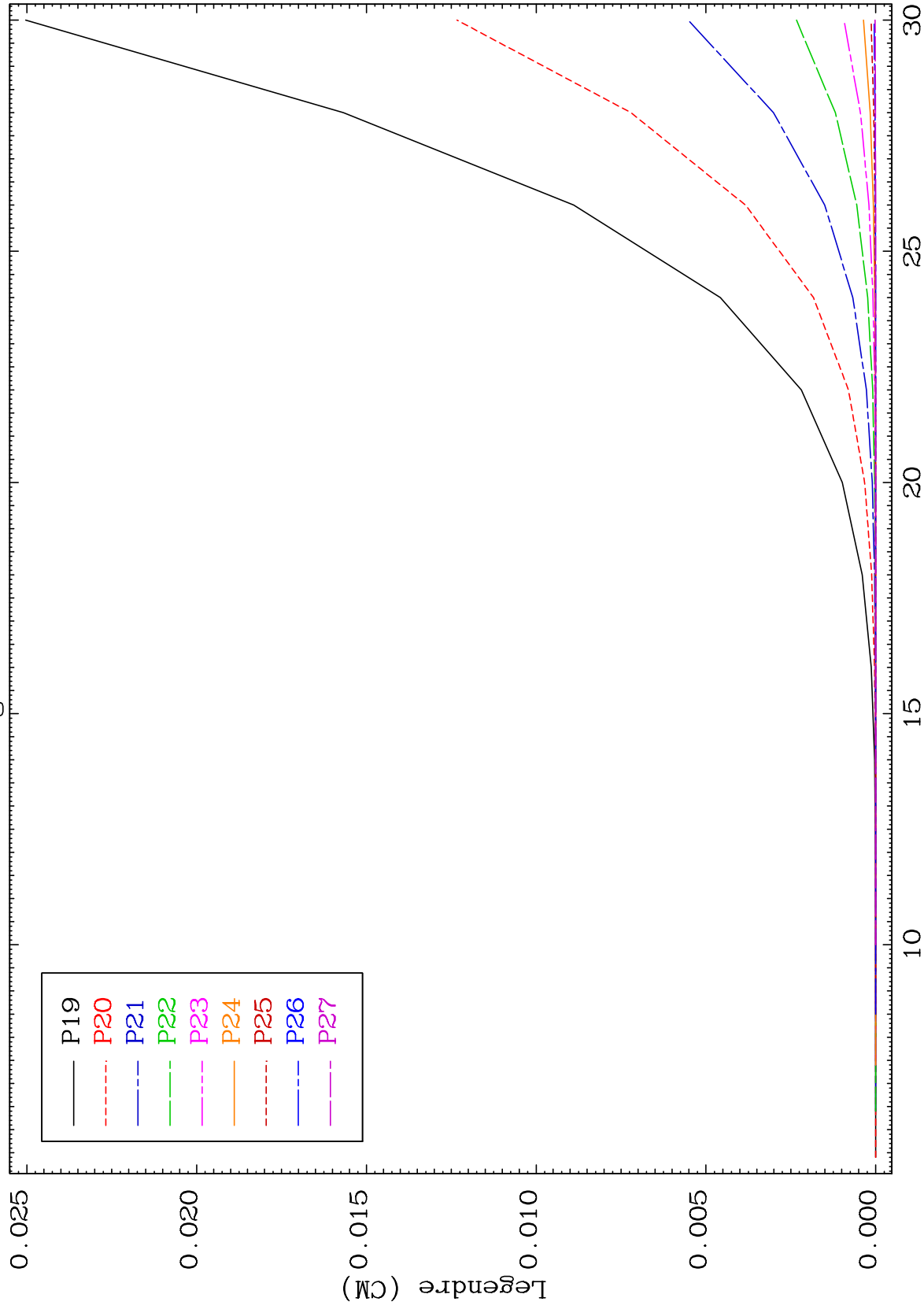




MAT 7862

Elastic
Legendre Coefficients

79-Au-176



19

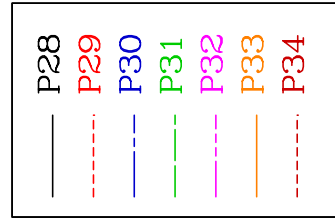
Incident Energy (MeV)

79-Au-176

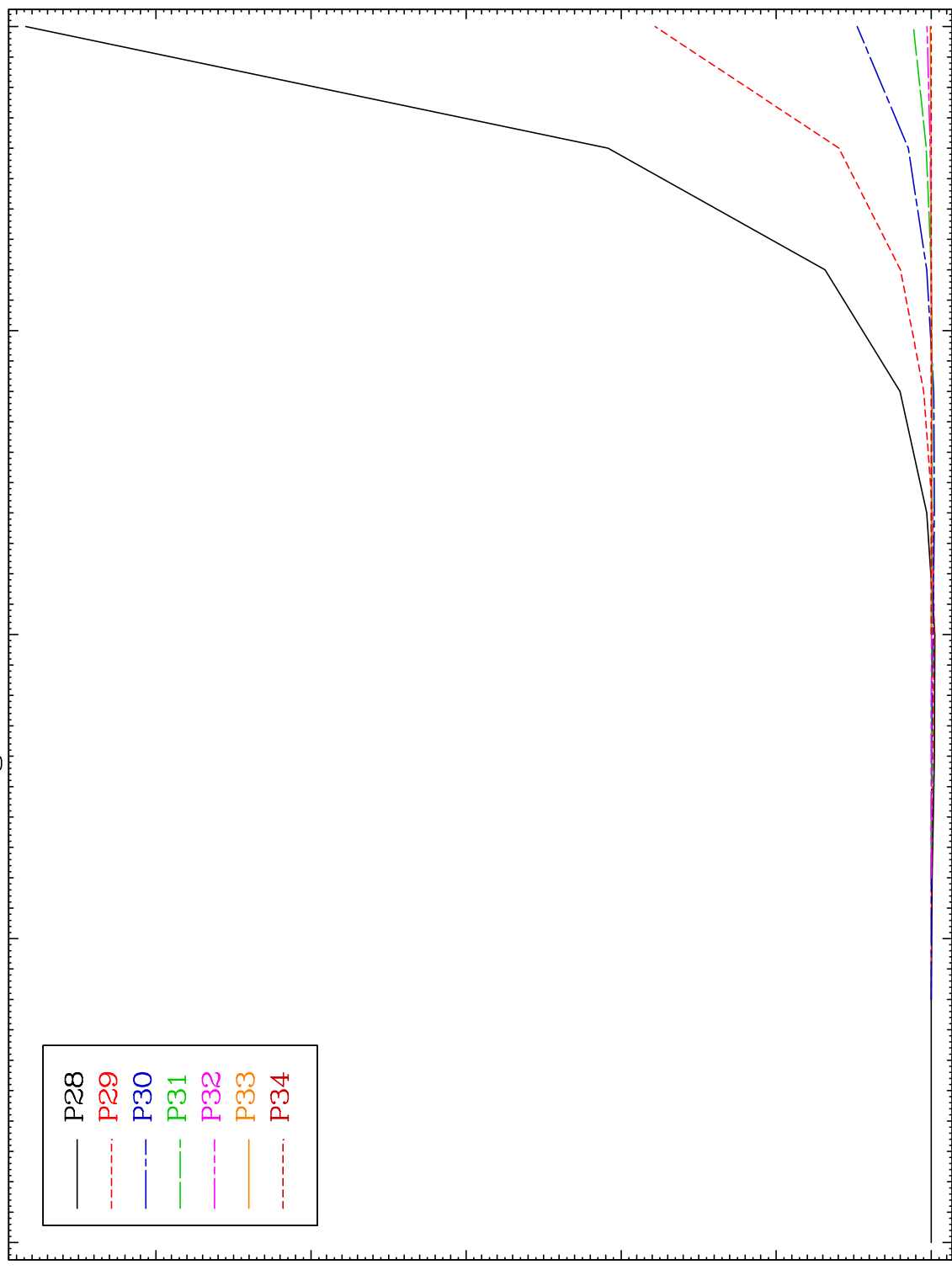
MAT 7862

Elastic
Legendre Coefficients

⁷⁹Au-¹⁷⁶



Legendre (CM)
X10⁻⁶



20

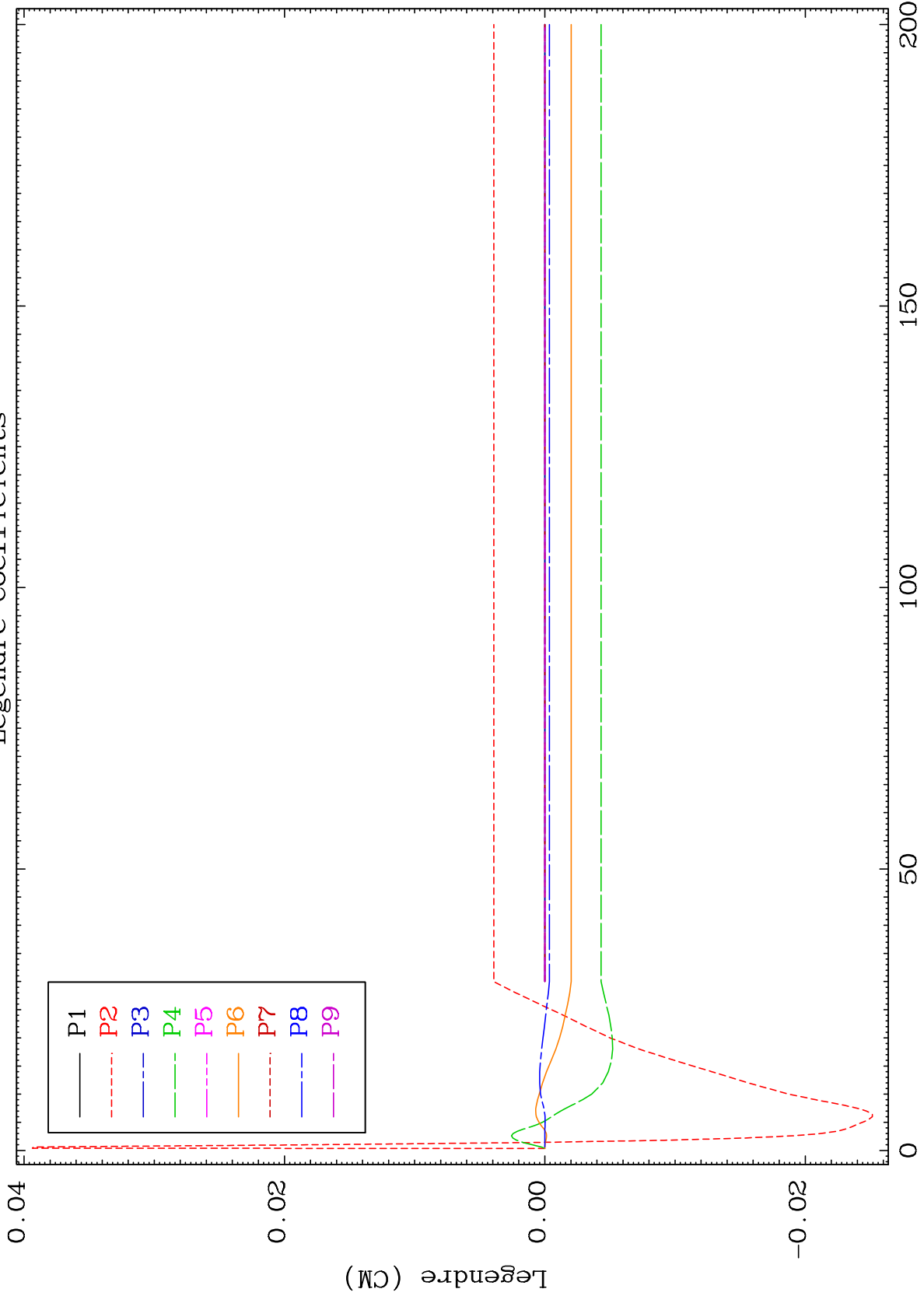
Incident Energy (MeV)

⁷⁹Au-¹⁷⁶

MAT 7862

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

79-Au-176



21

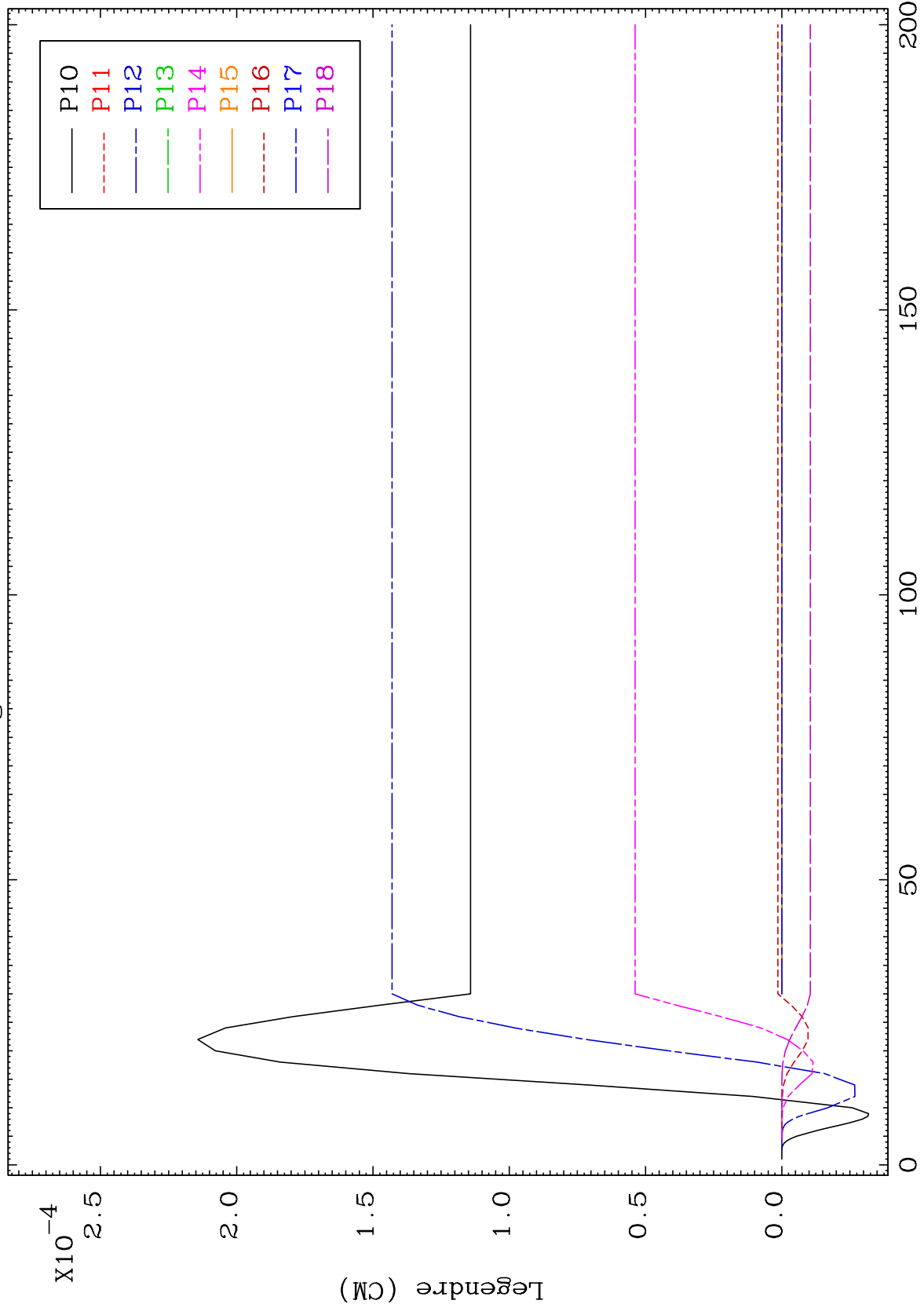
Incident Energy (MeV)

79-Au-176

MAT 7862

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

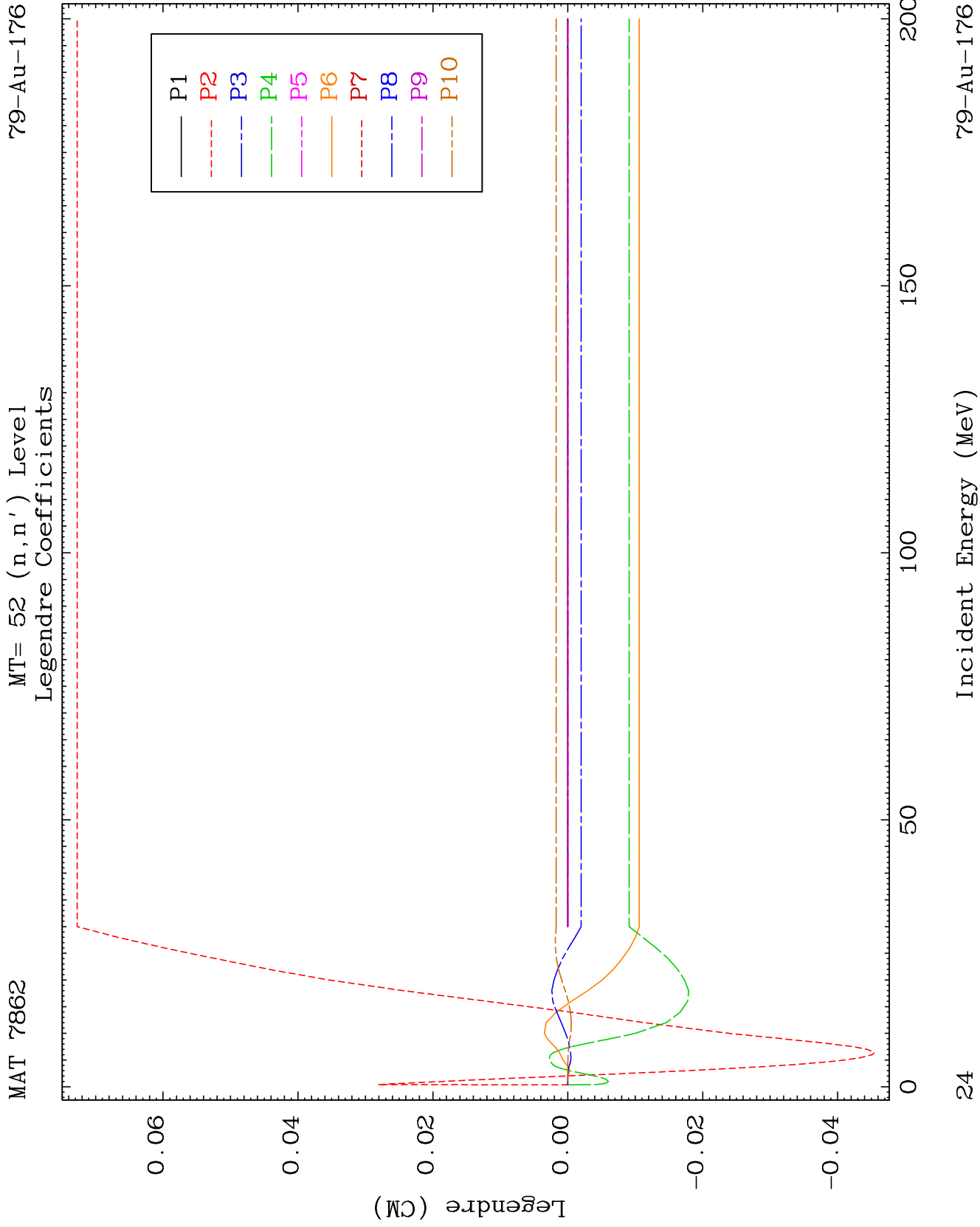
79-Au-176

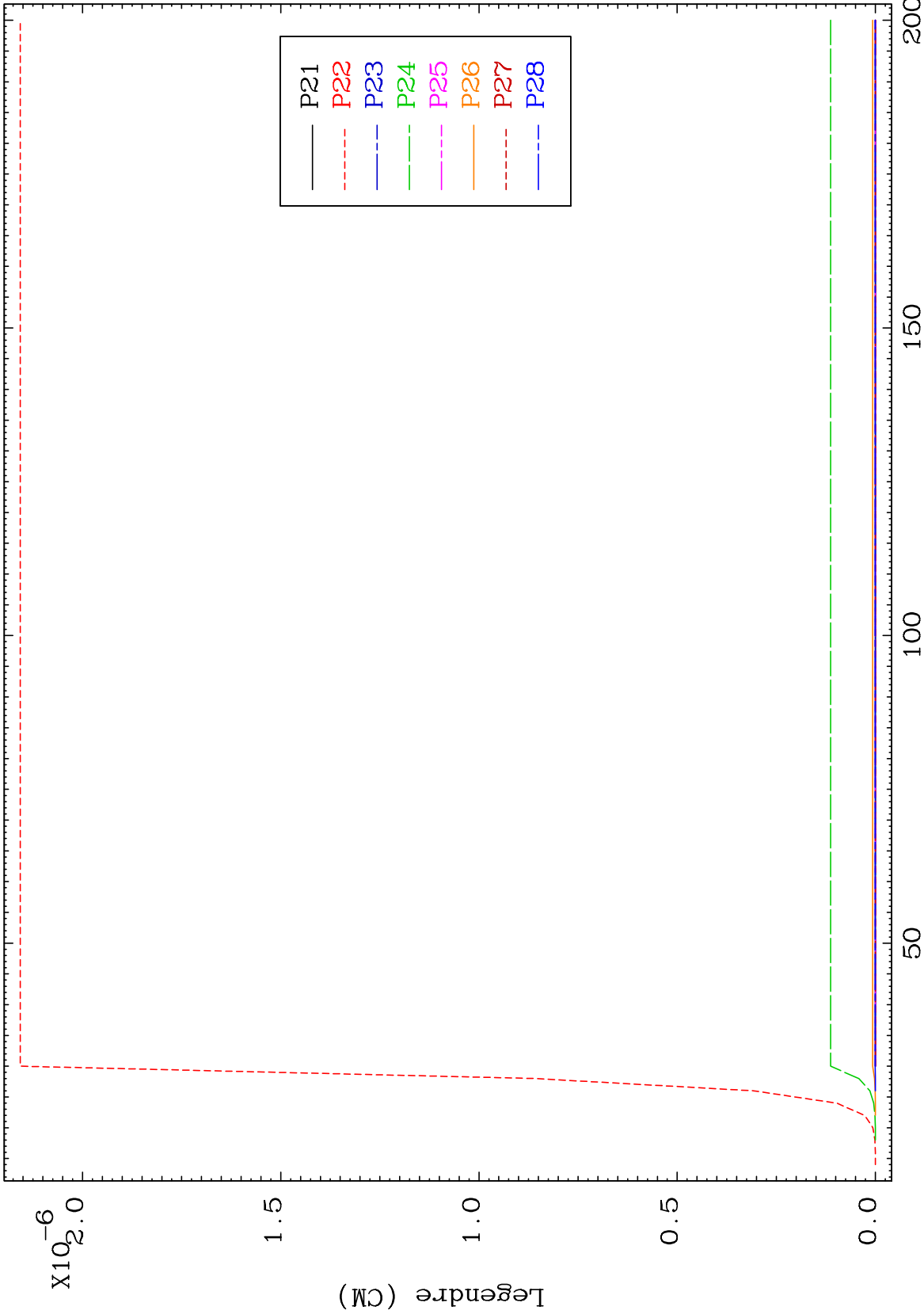


22

Incident Energy (MeV)

79-Au-176

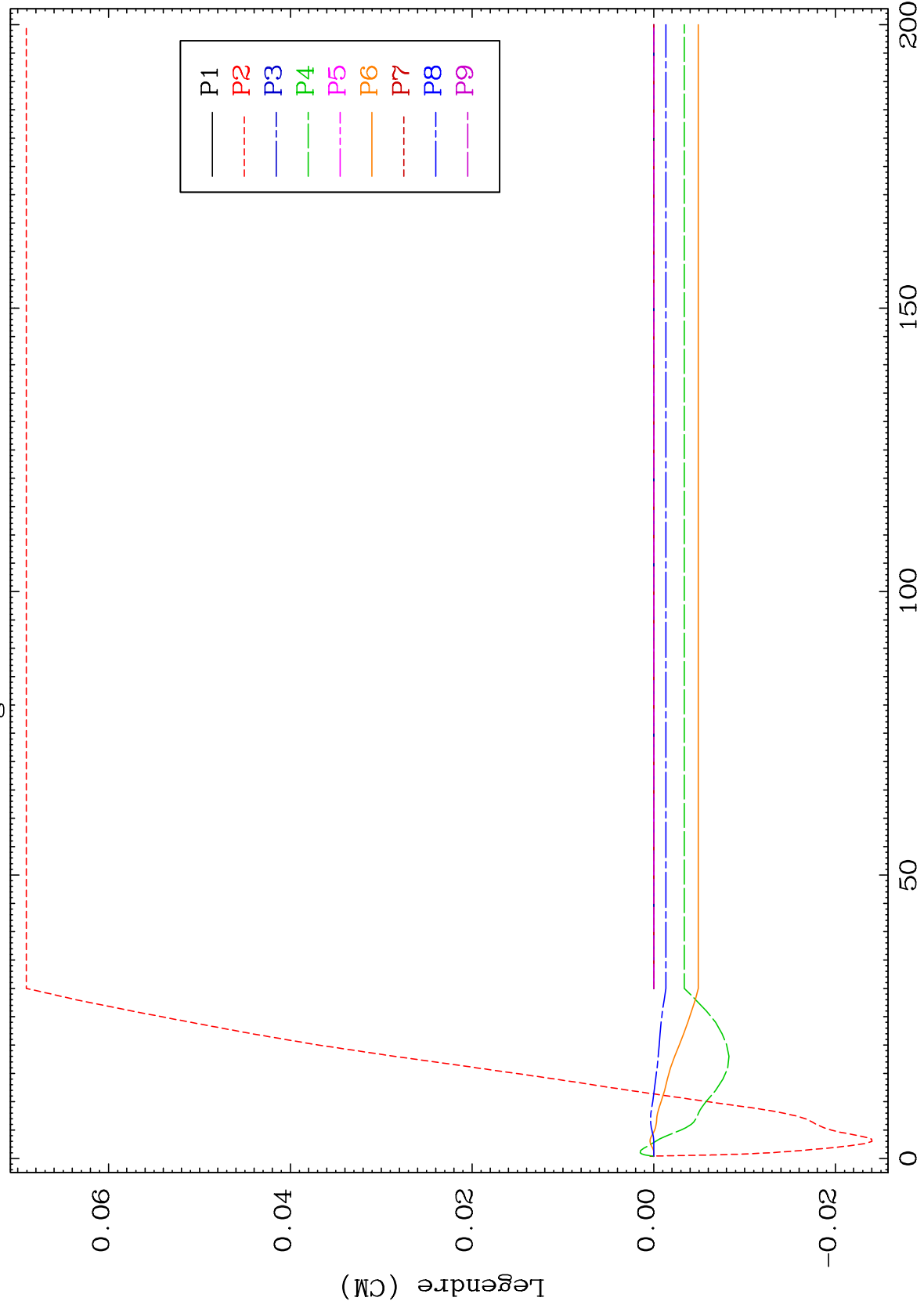




MAT 7862

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

79-Au-176



22

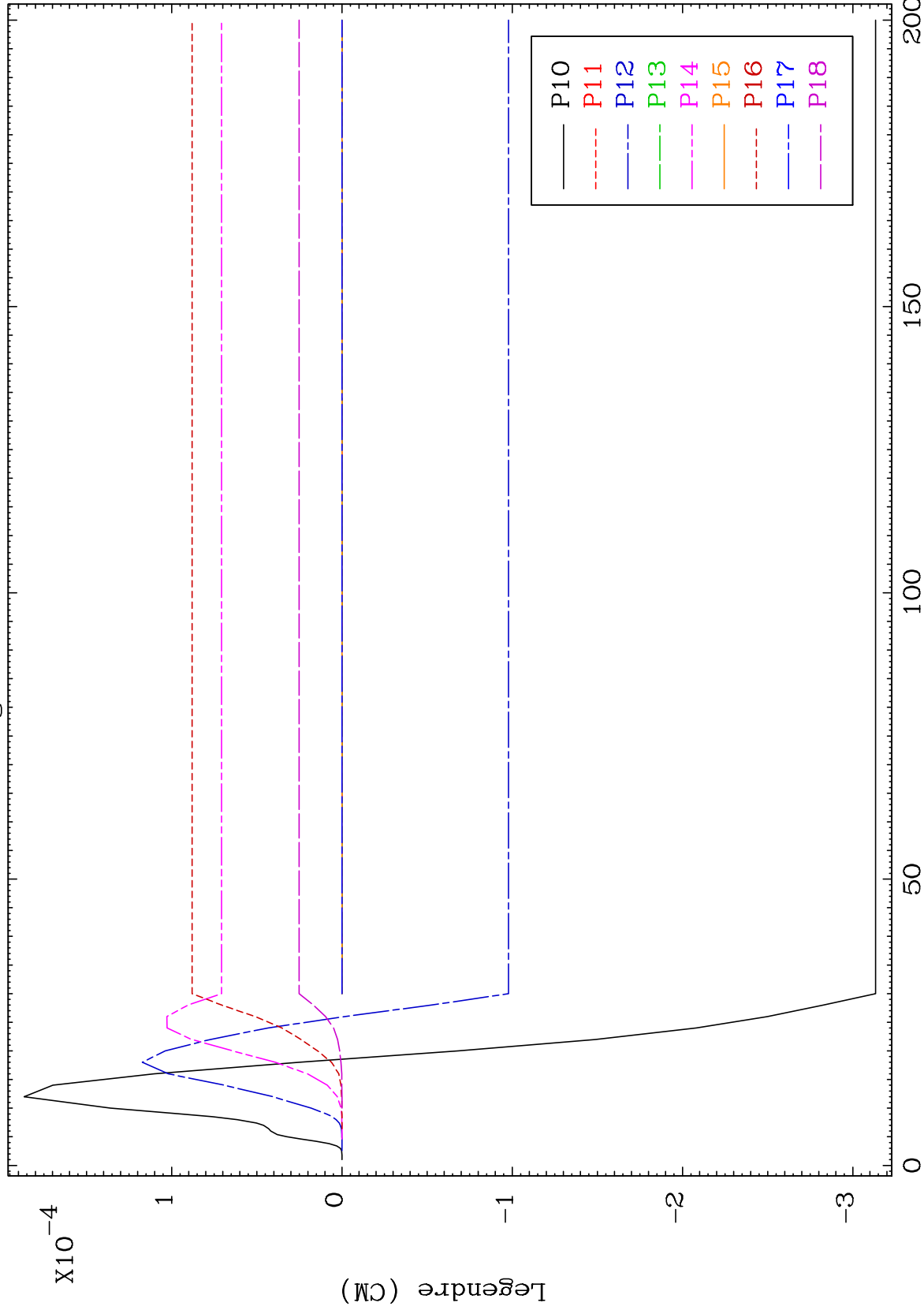
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



28

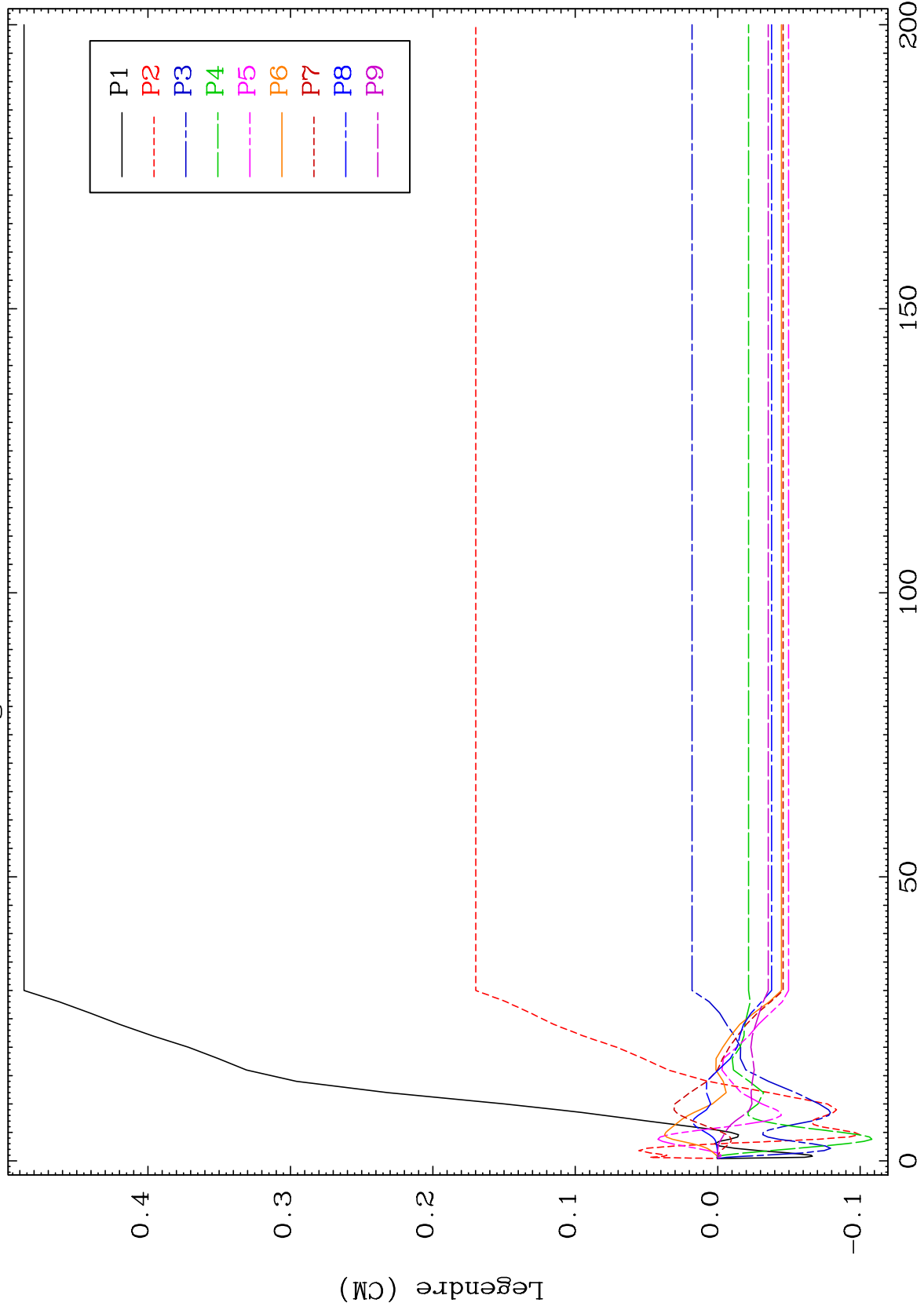
Incident Energy (MeV)

79-Au-176

MAT 7862

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

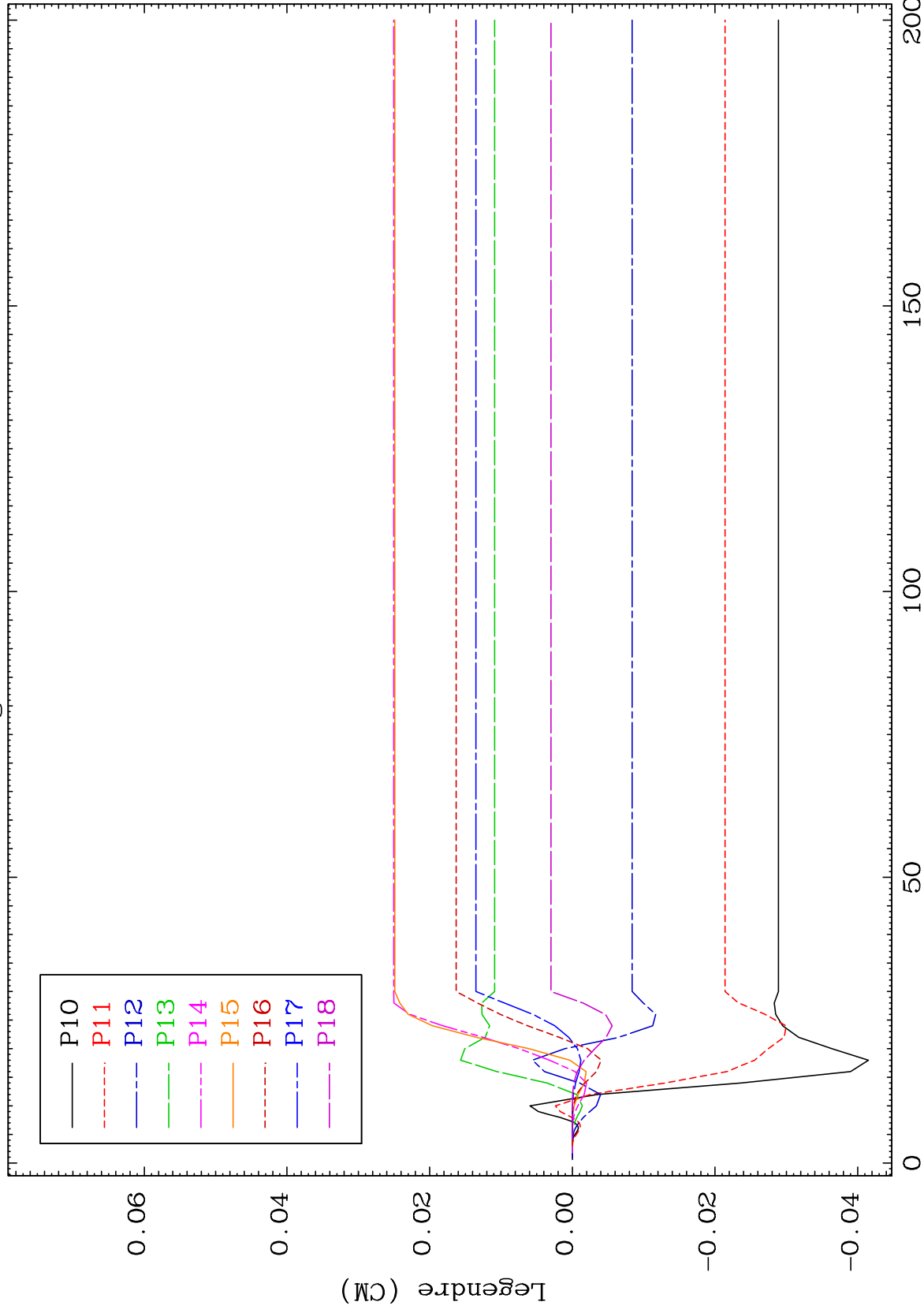
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MAT 7862

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

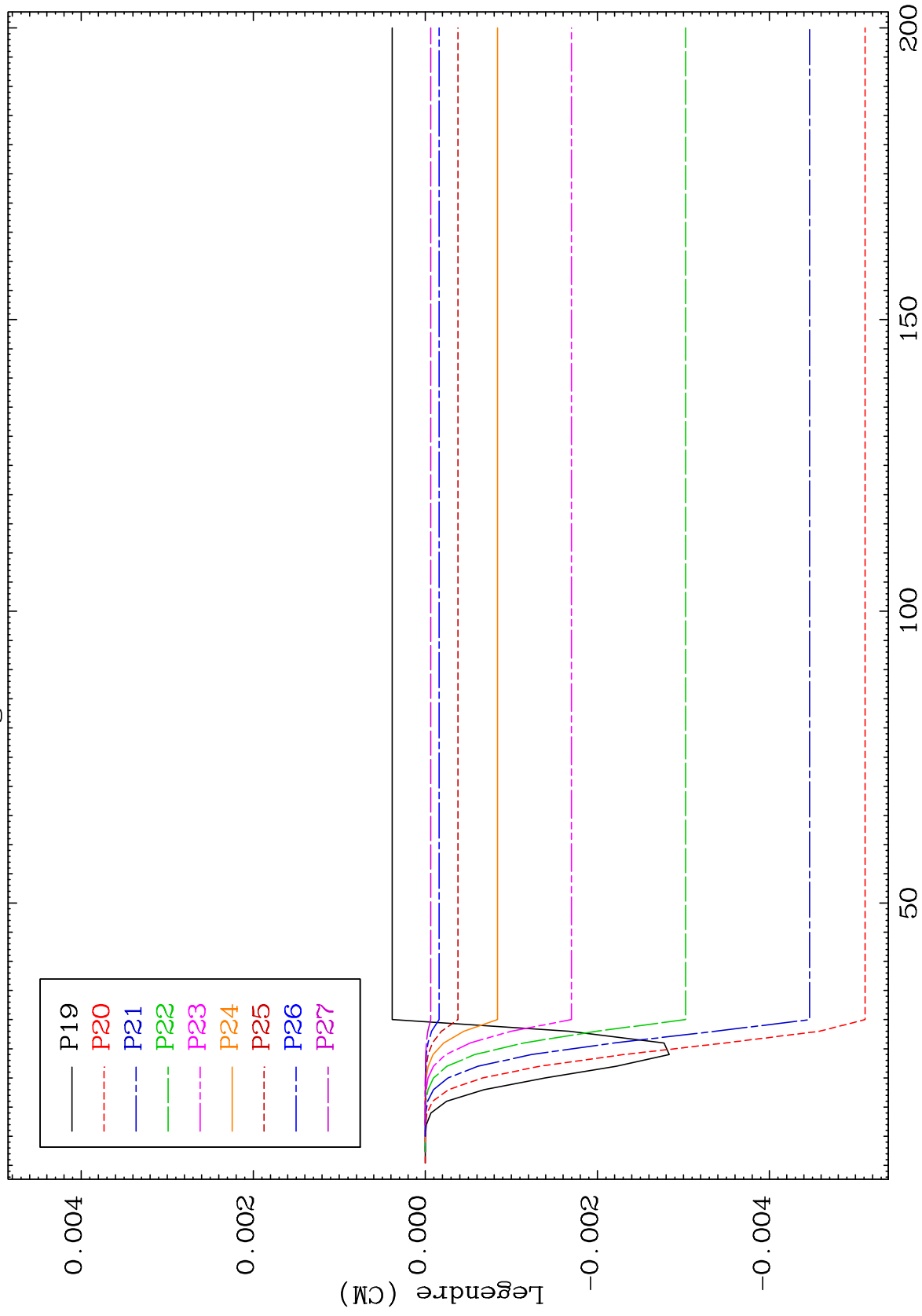
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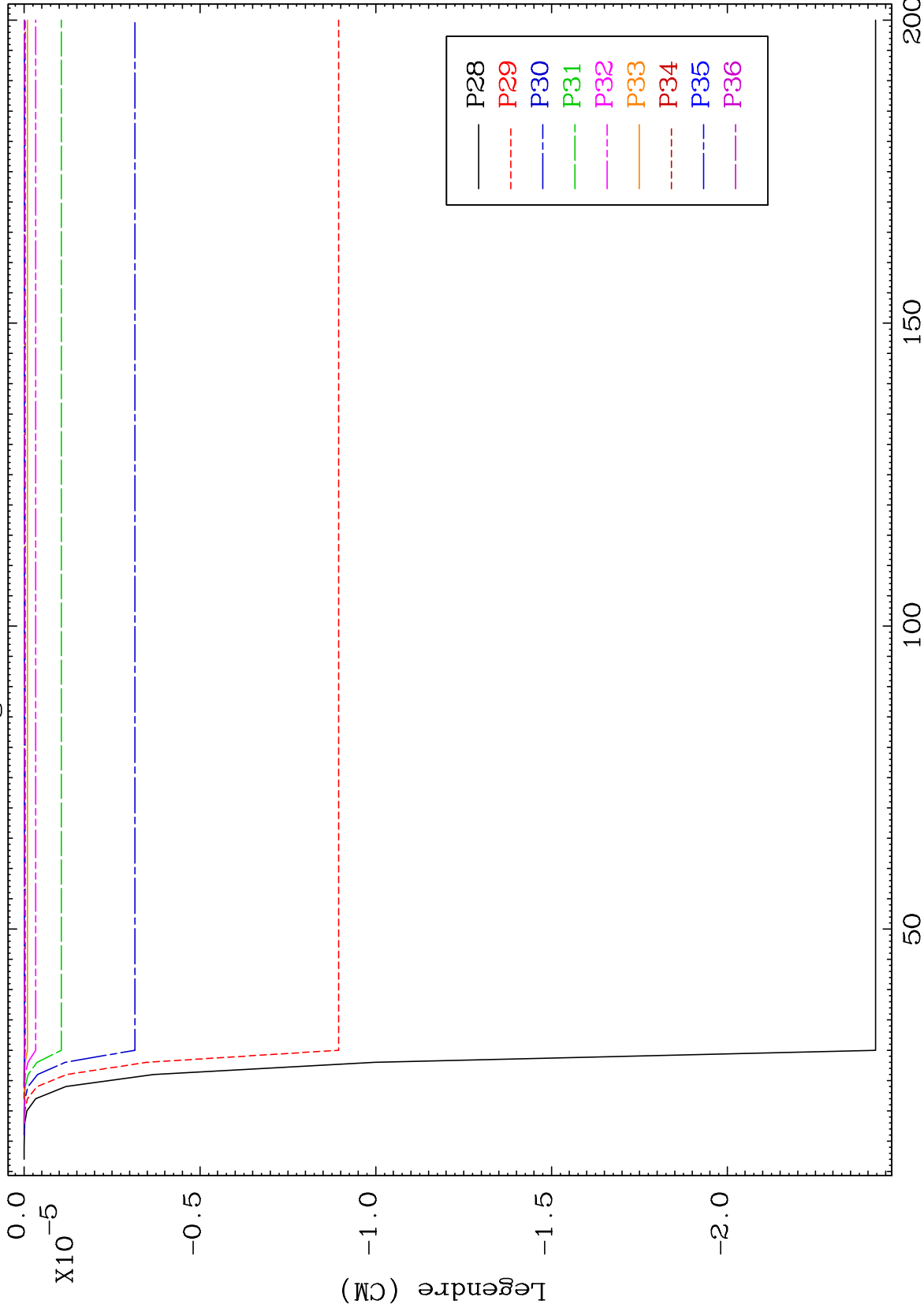


31

Incident Energy (MeV)

79-Au-176

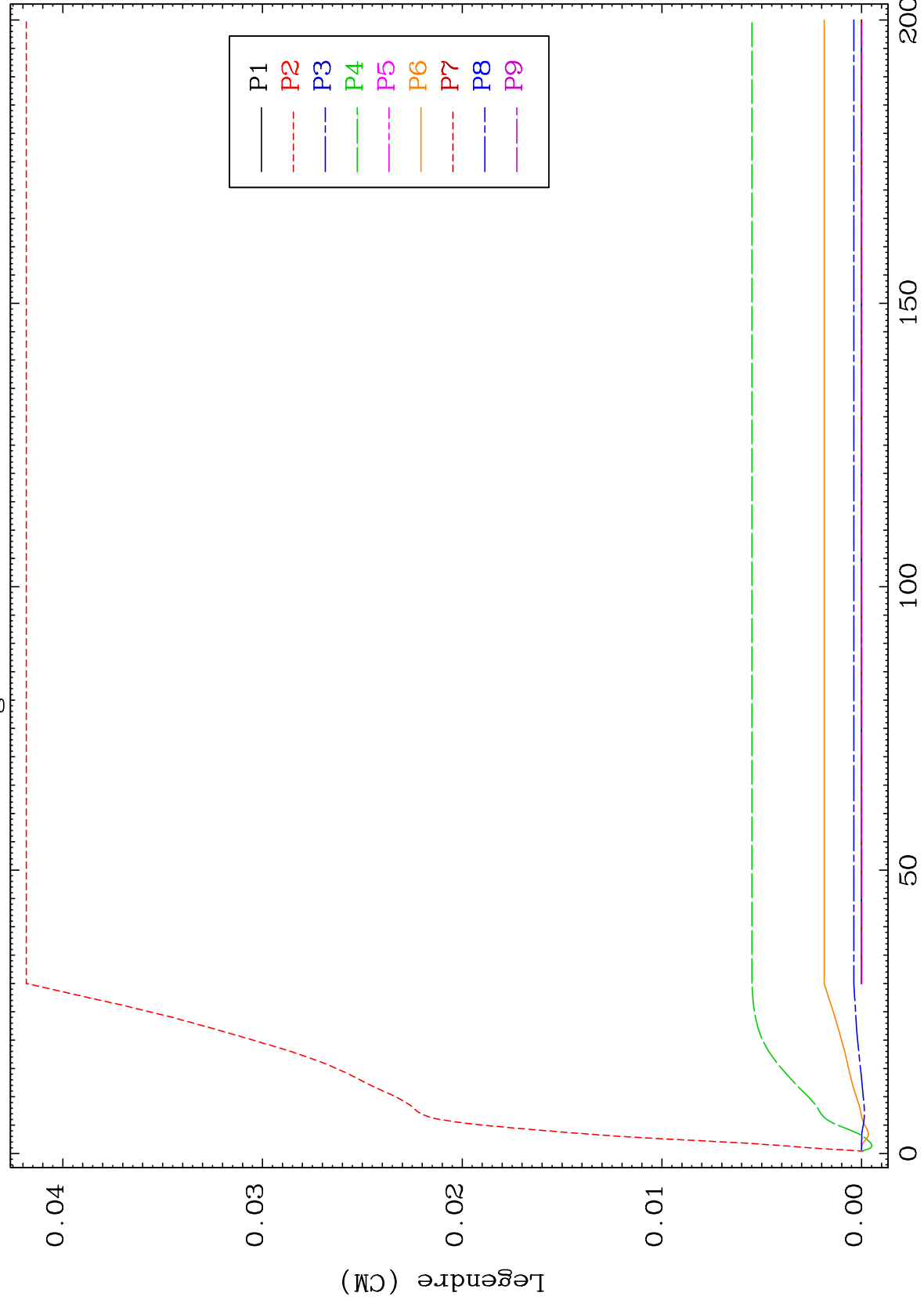




MAT 7862

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

79-Au-176



34

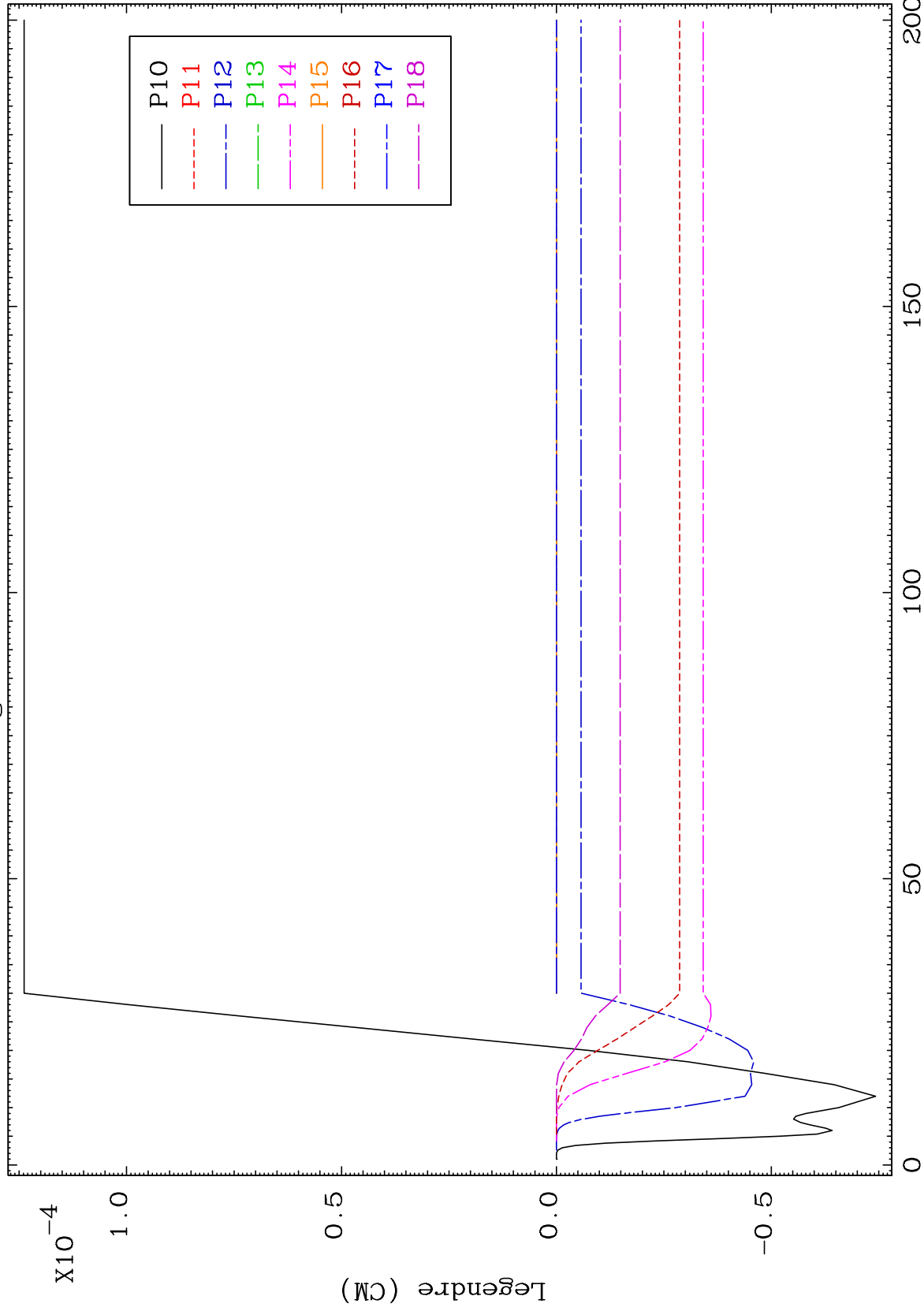
Incident Energy (MeV)

79-Au-176

MAT 7862

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

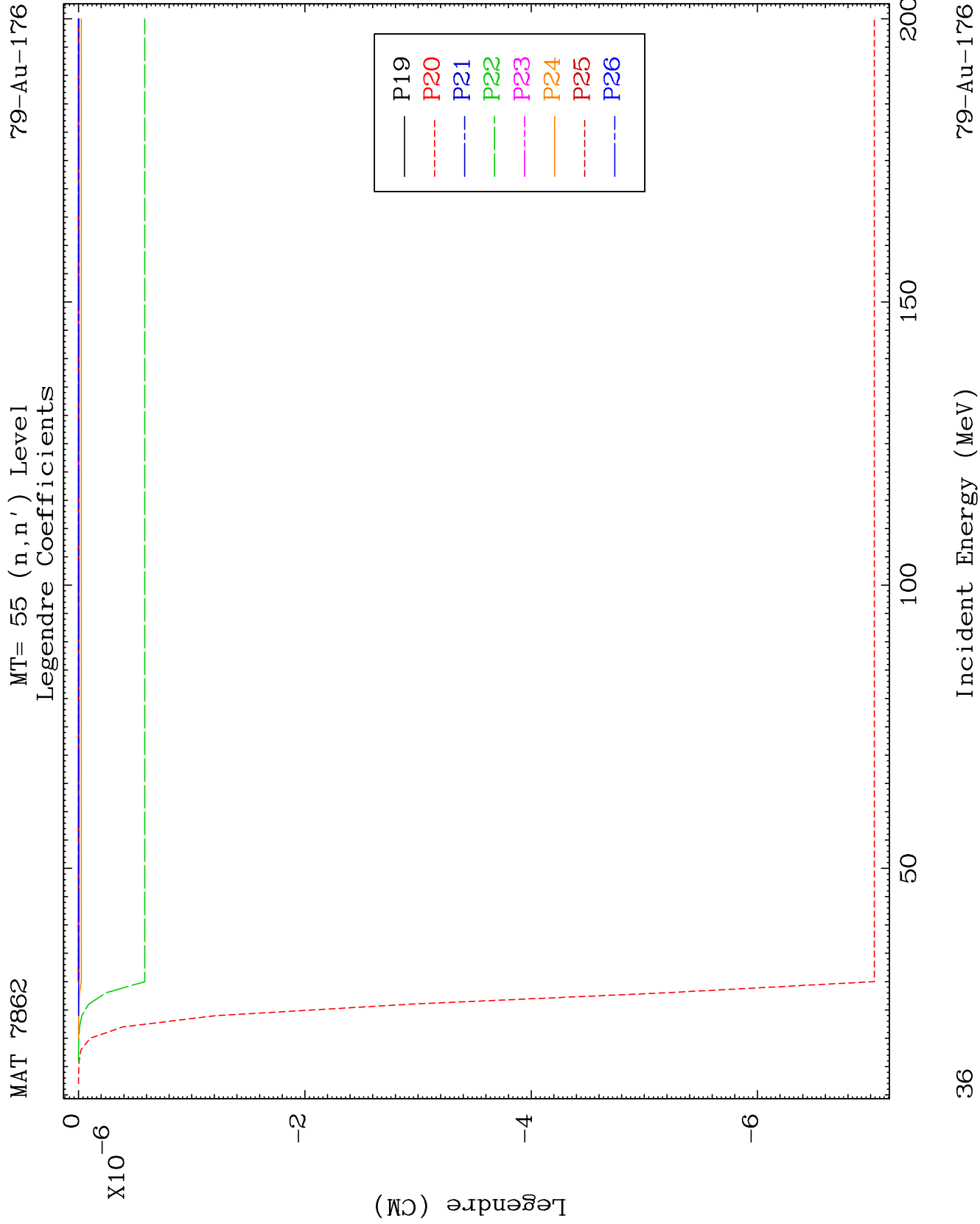
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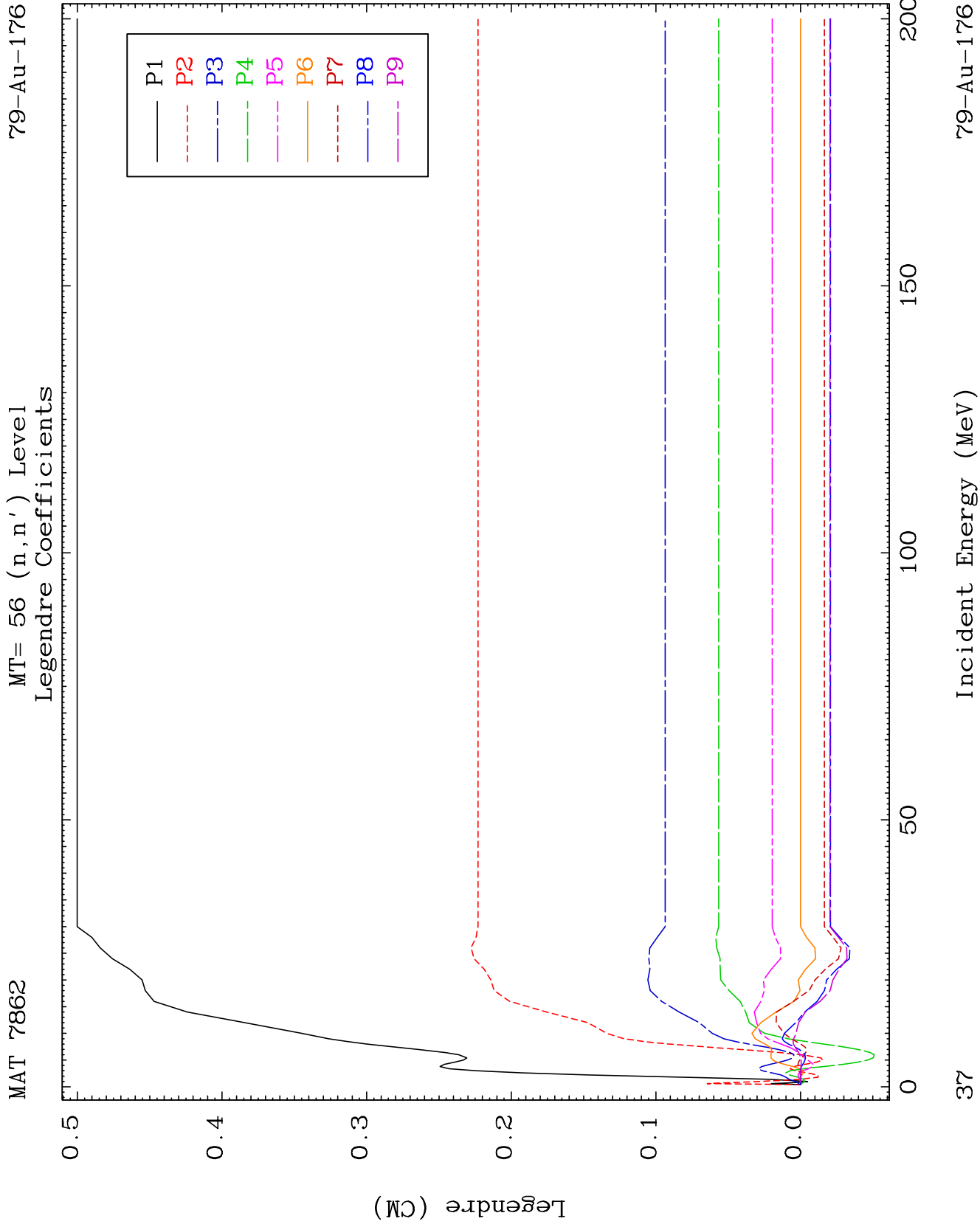


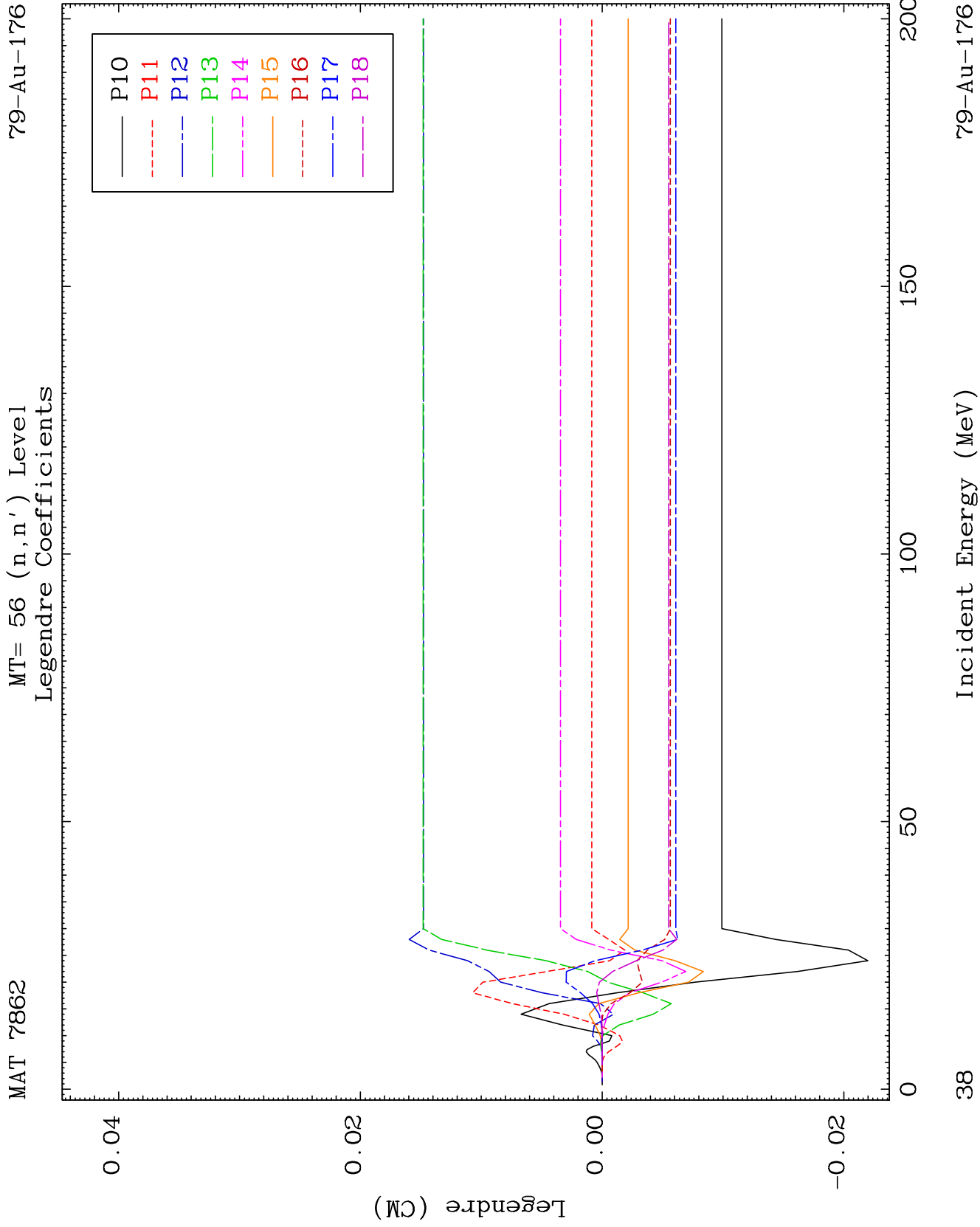
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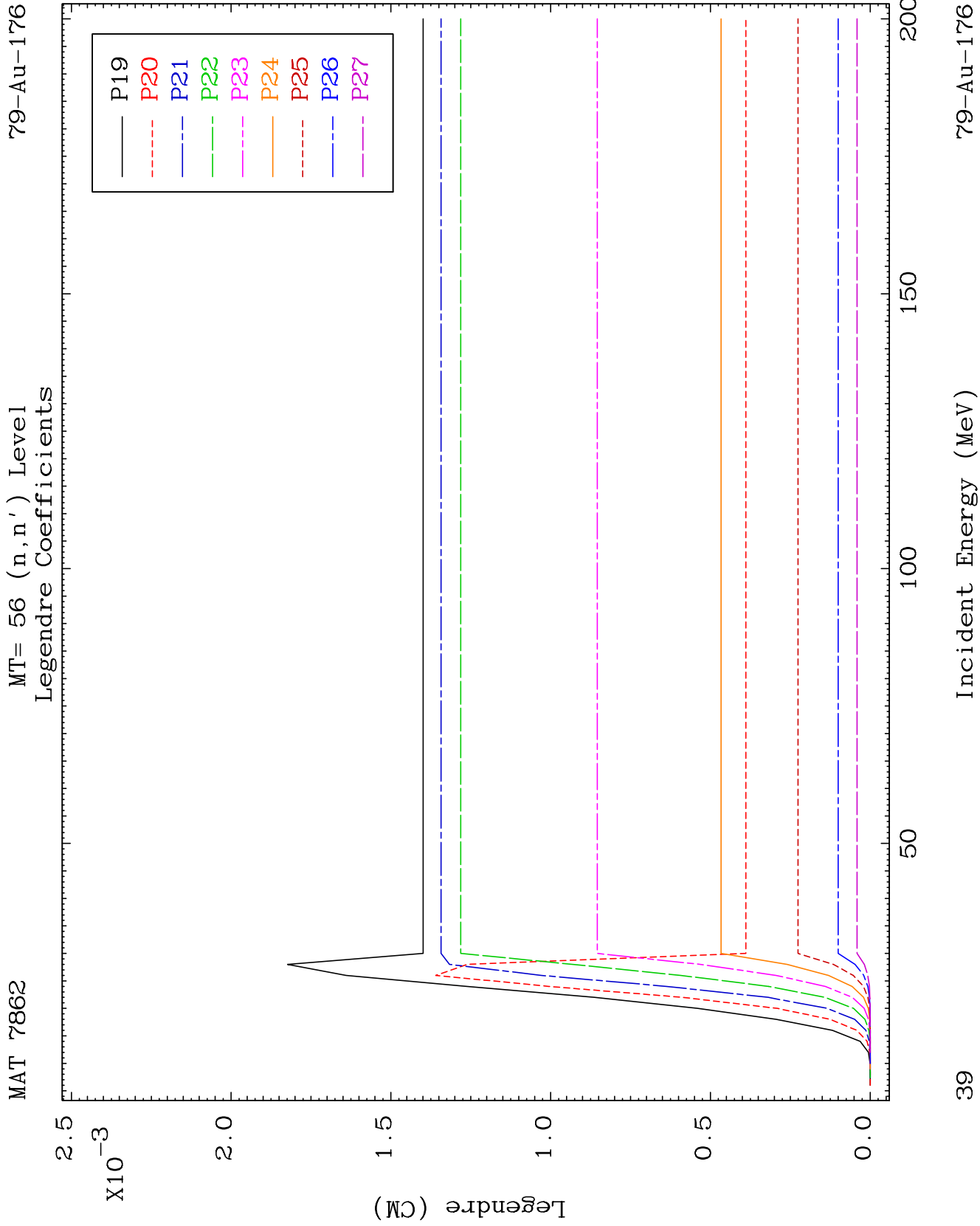
Incident Energy (MeV)

79-Au-176





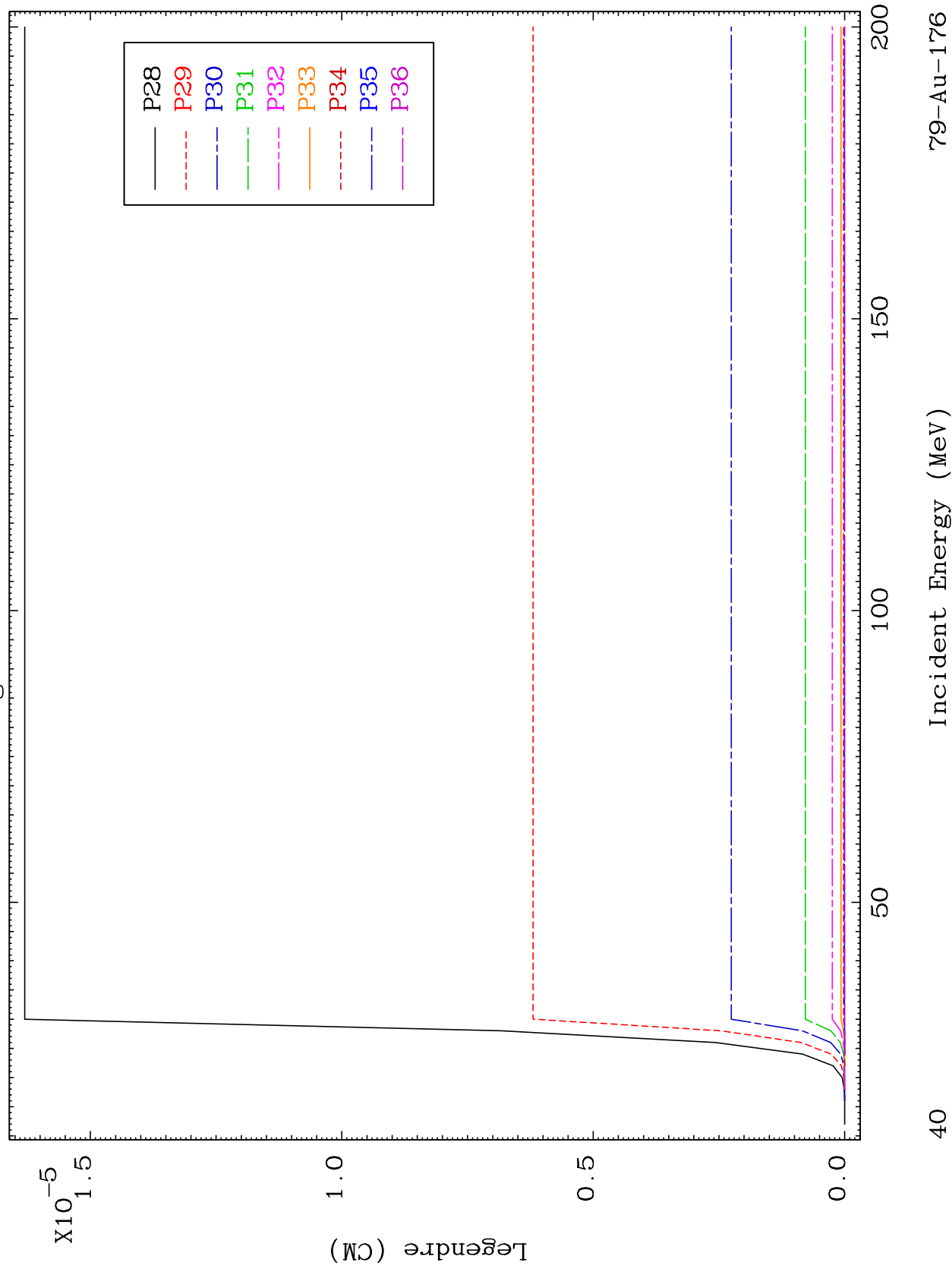




MAT 7862

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

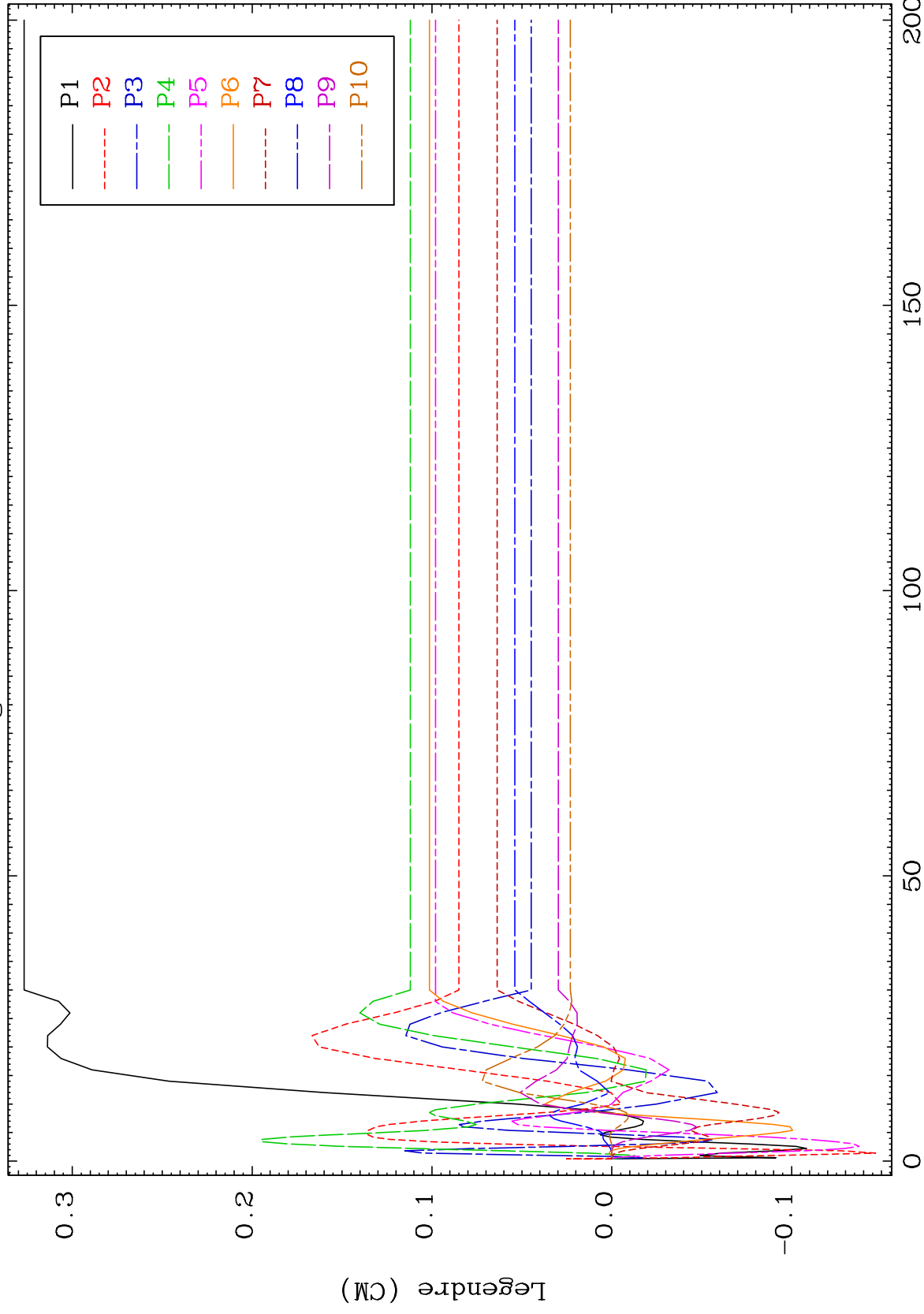
79-Au-176



MAT 7862

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

79-Au-176



41

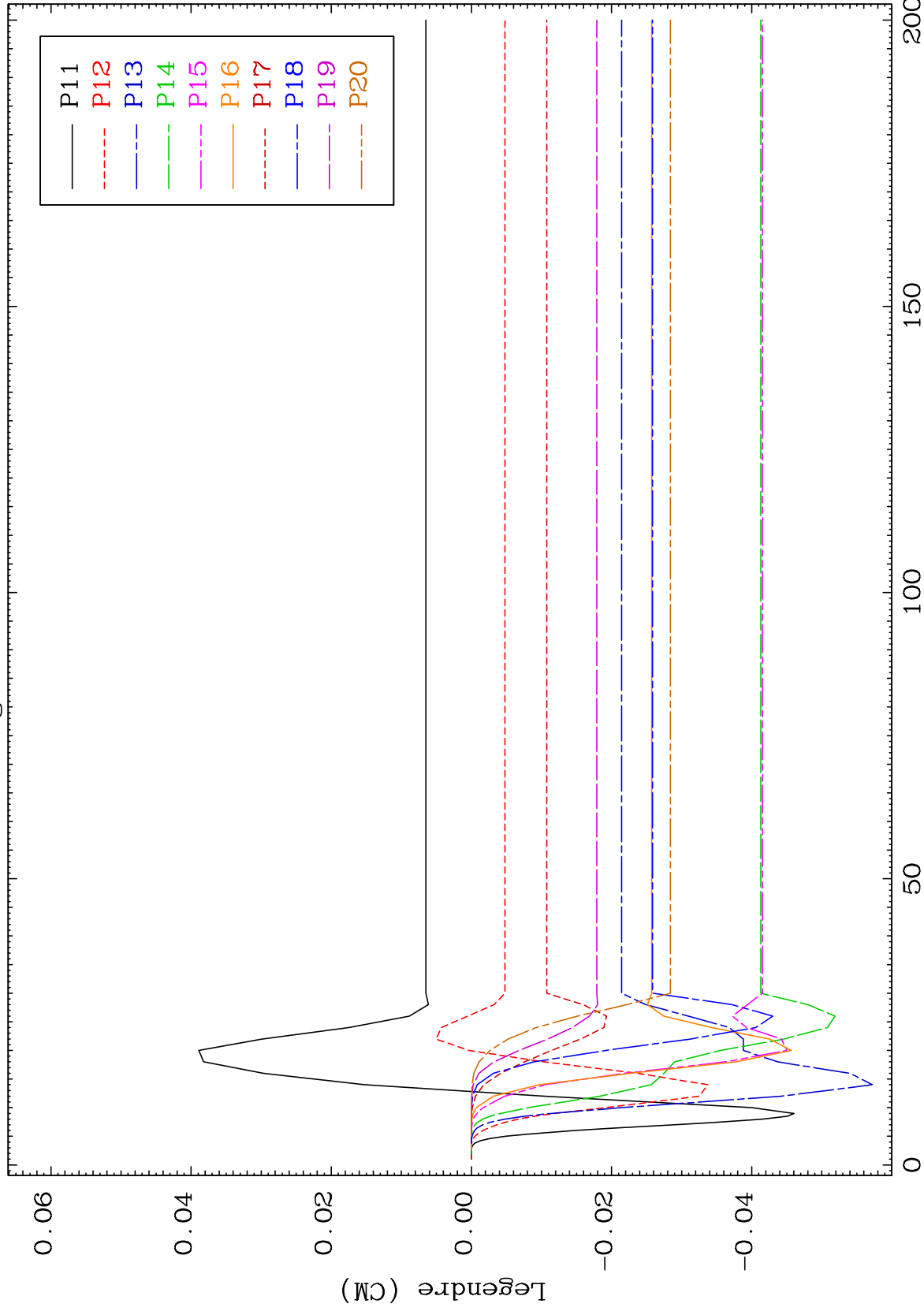
Incident Energy (MeV)

79-Au-176

MAT 7862

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

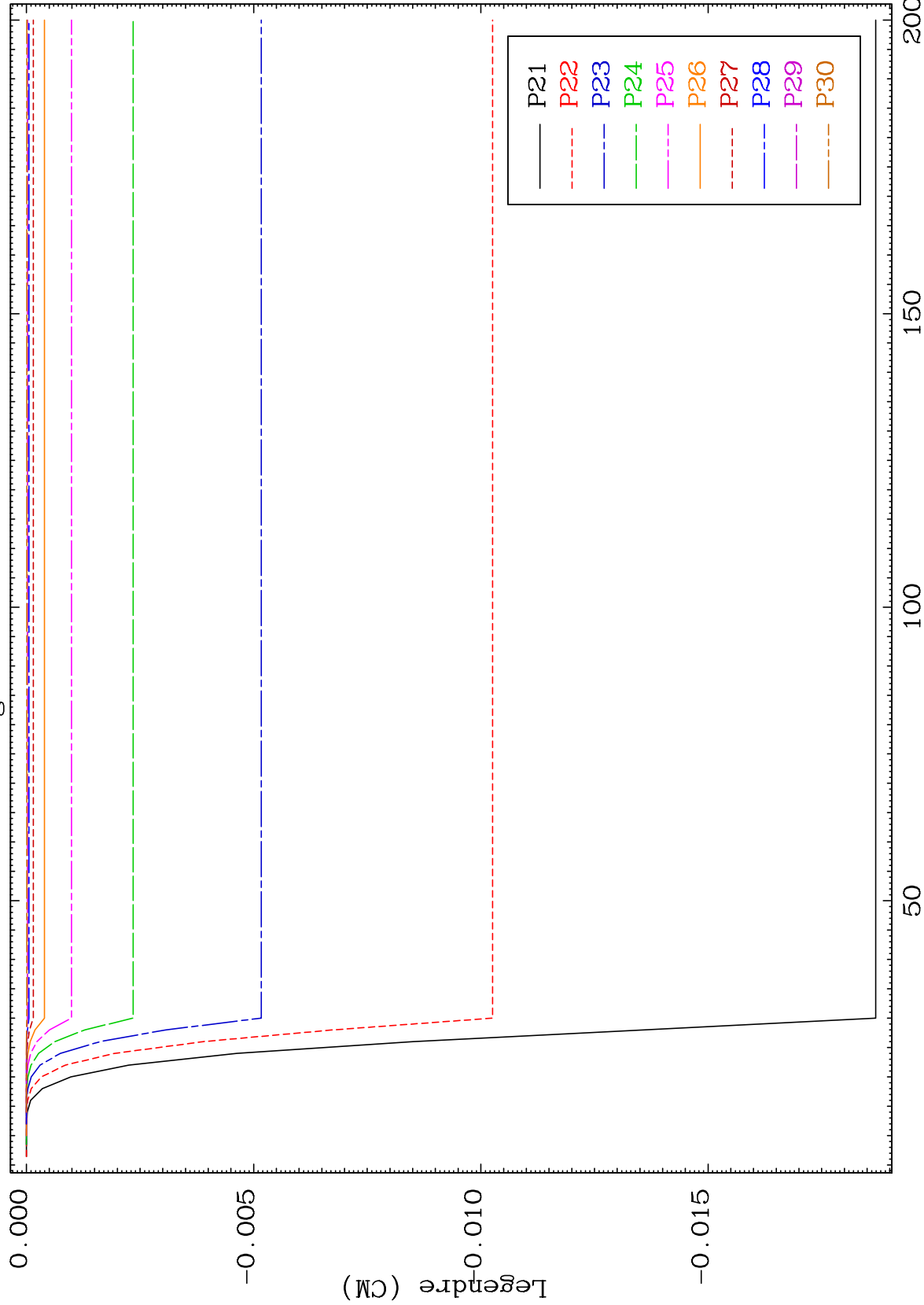
79-Au-176



42

Incident Energy (MeV)

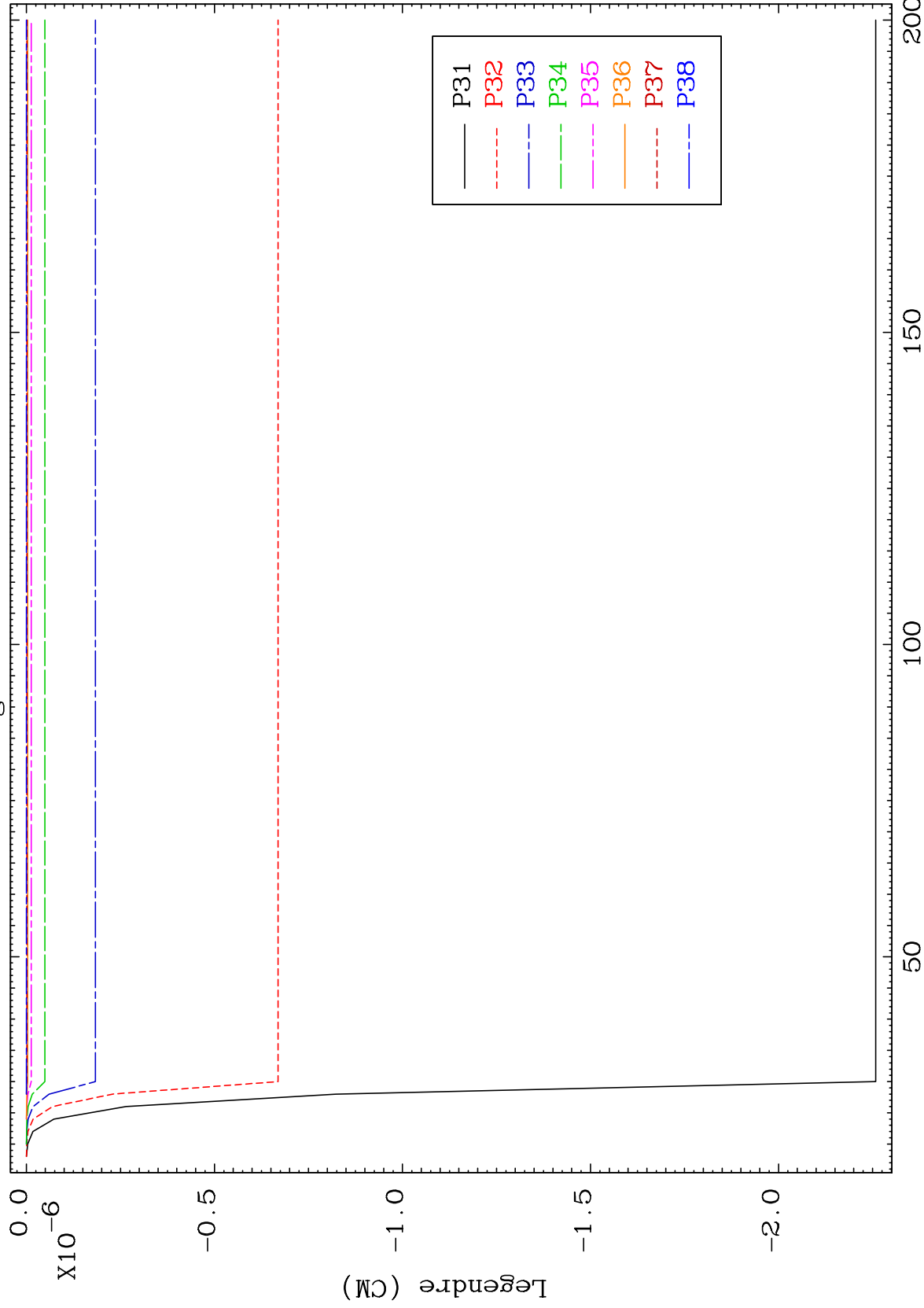
79-Au-176



MAT 7862

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

79-Au-176



44

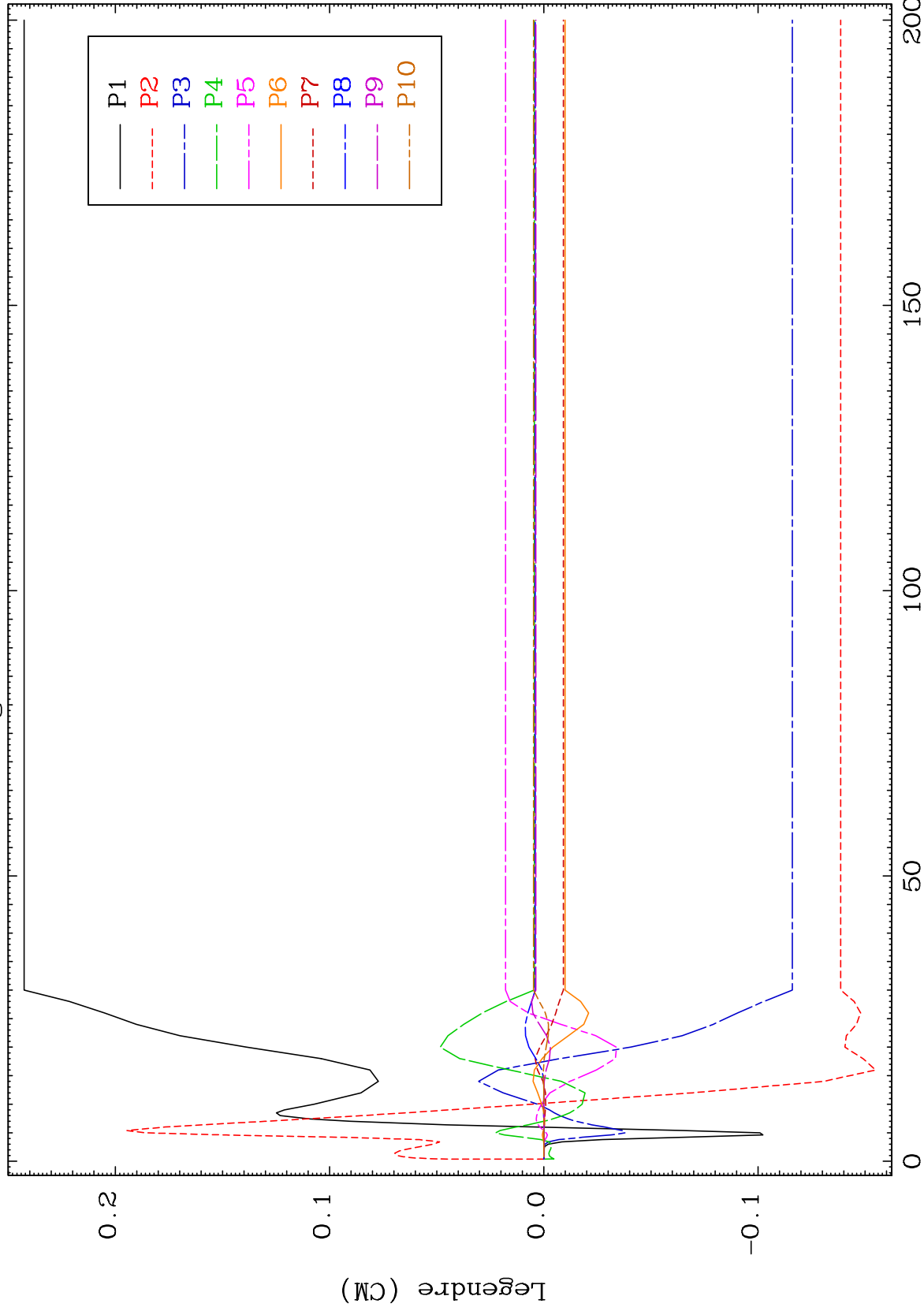
Incident Energy (MeV)

79-Au-176

MAT 7862

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

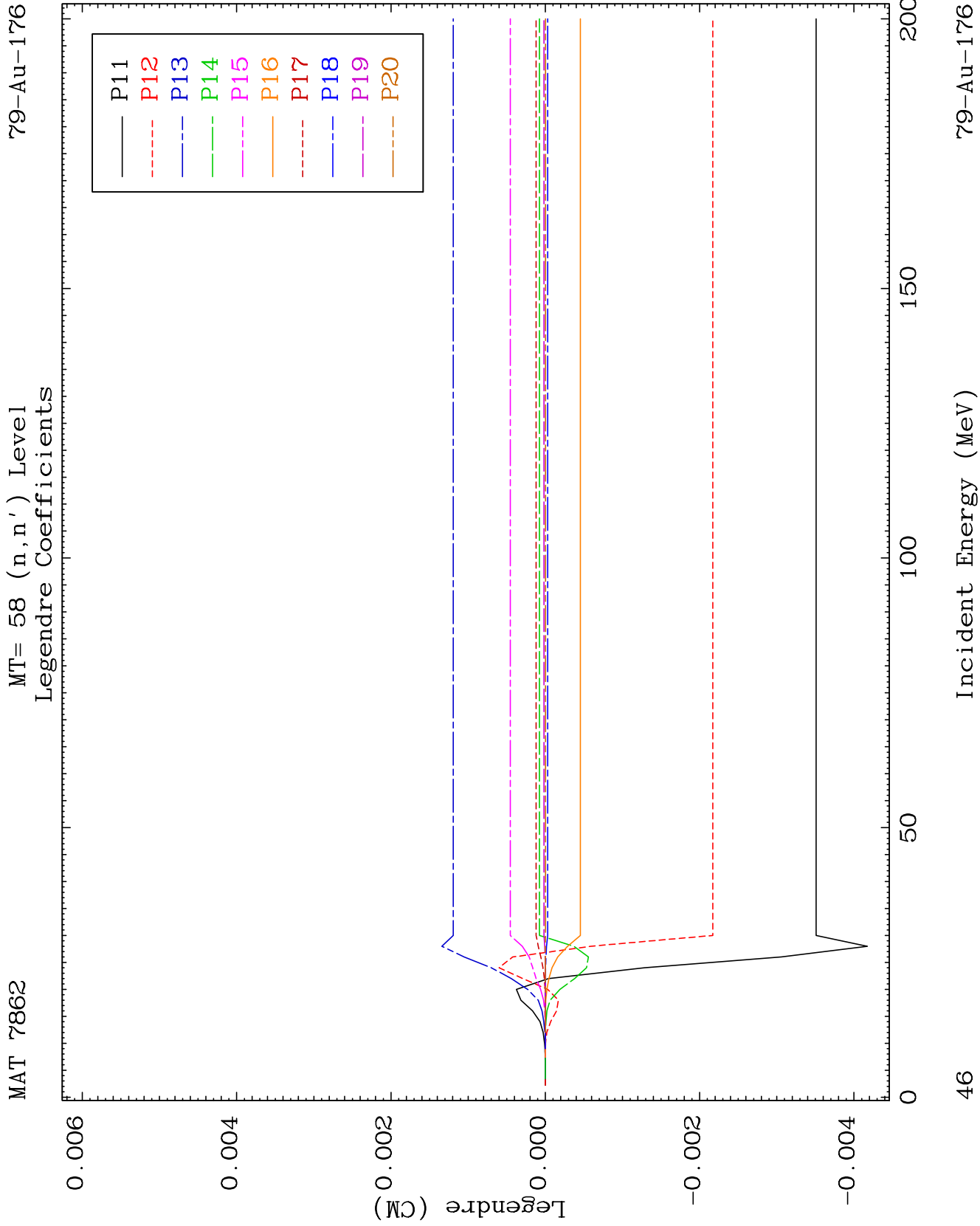
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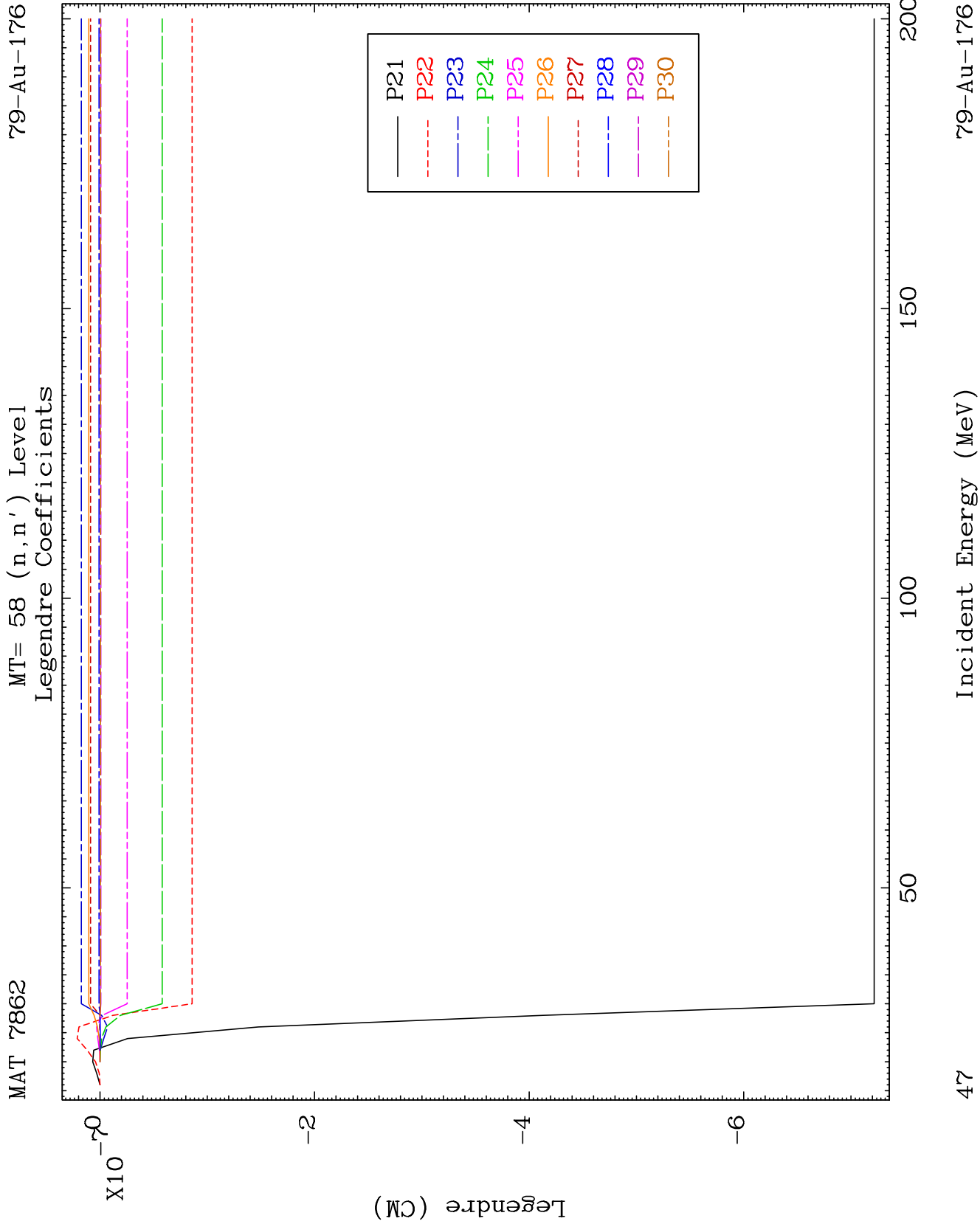


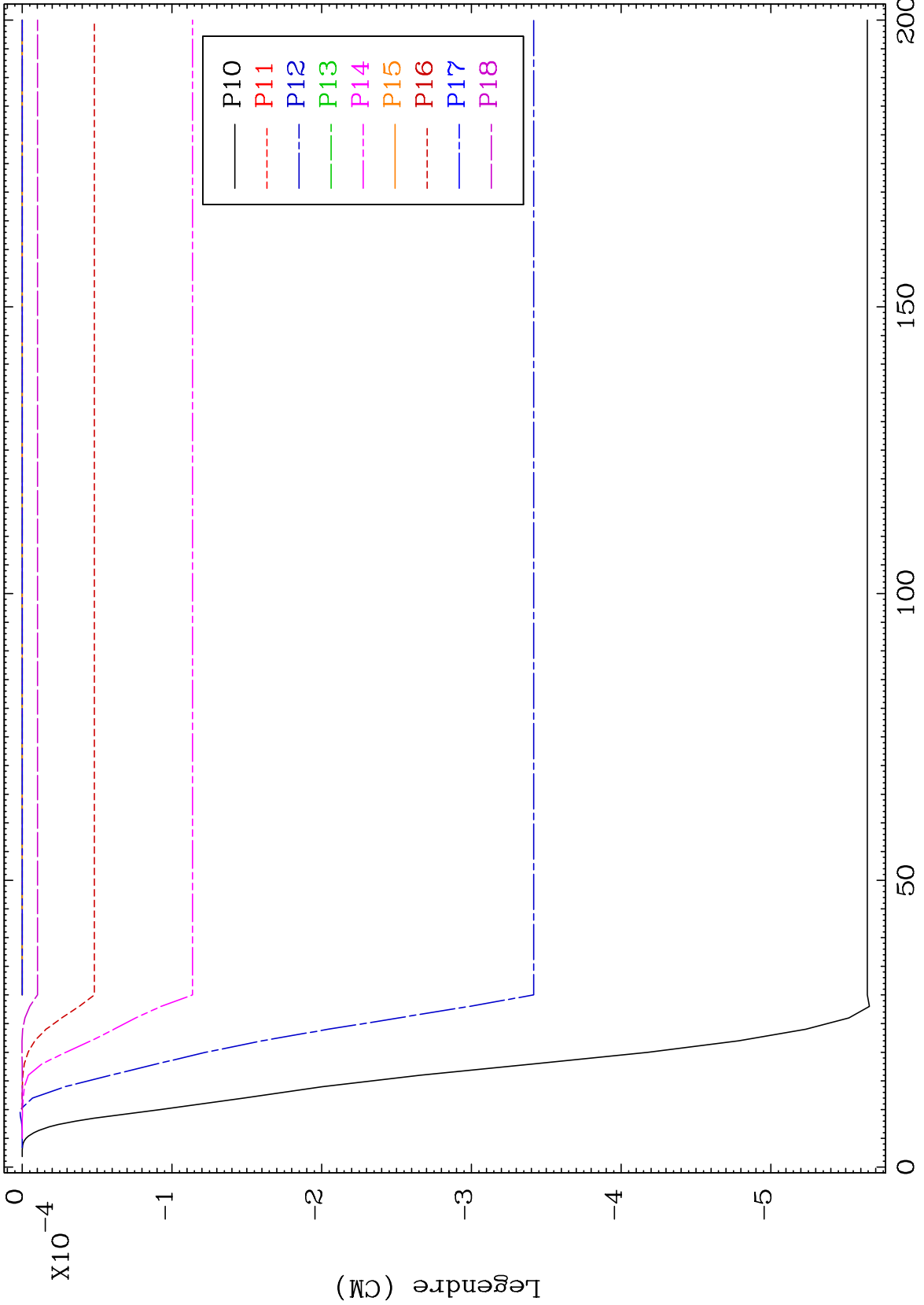
45

Incident Energy (MeV)

79-Au-176



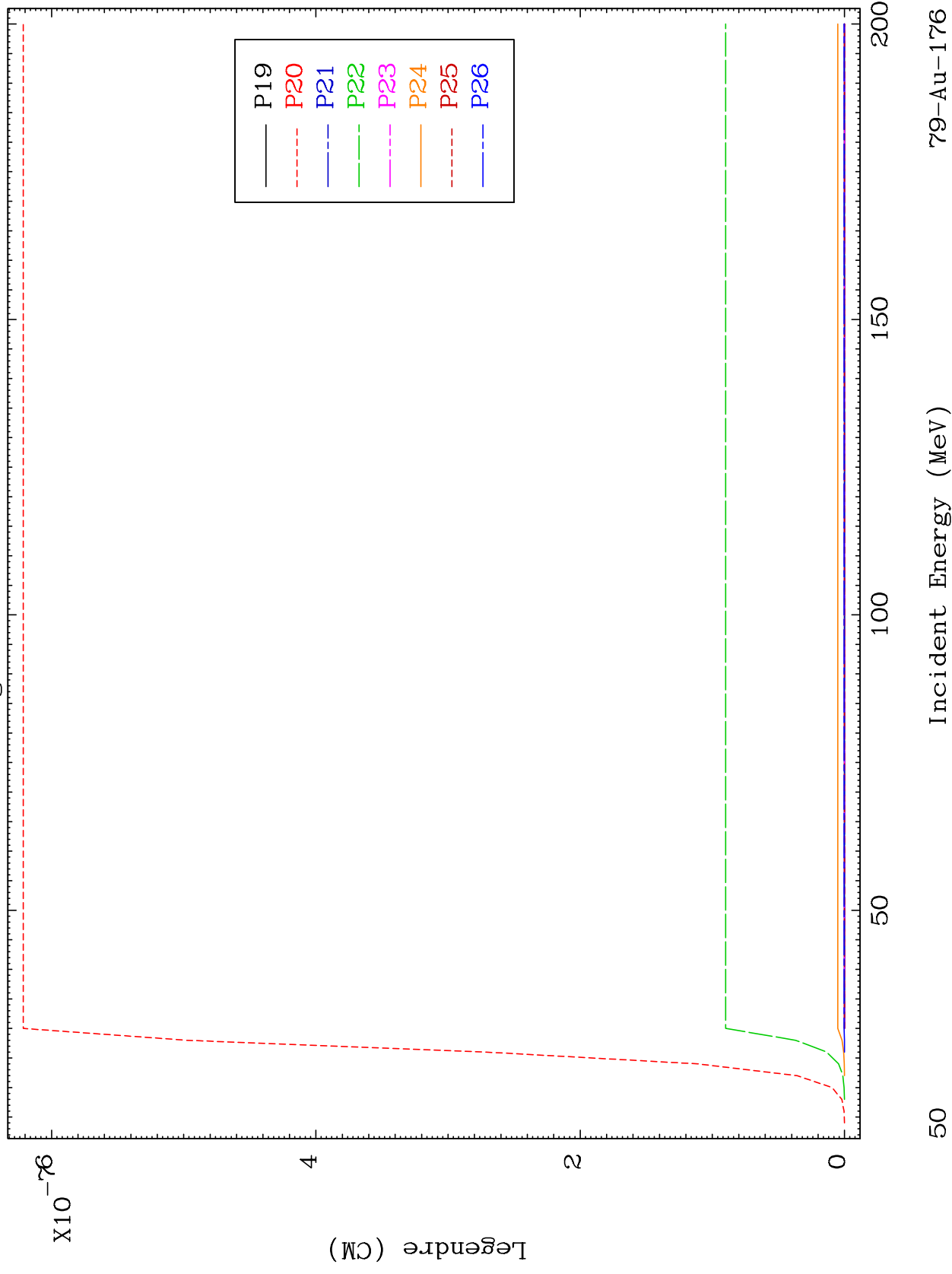


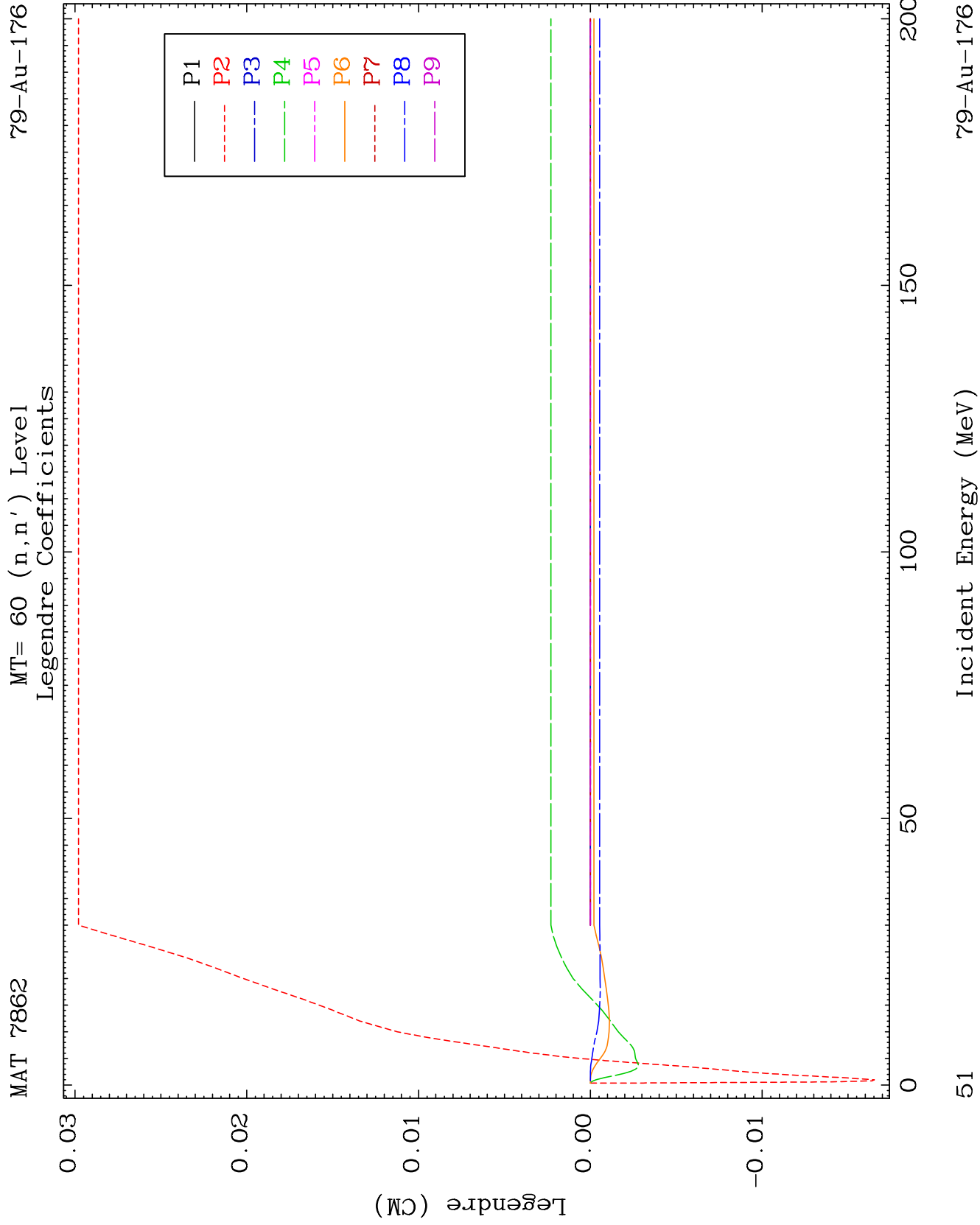


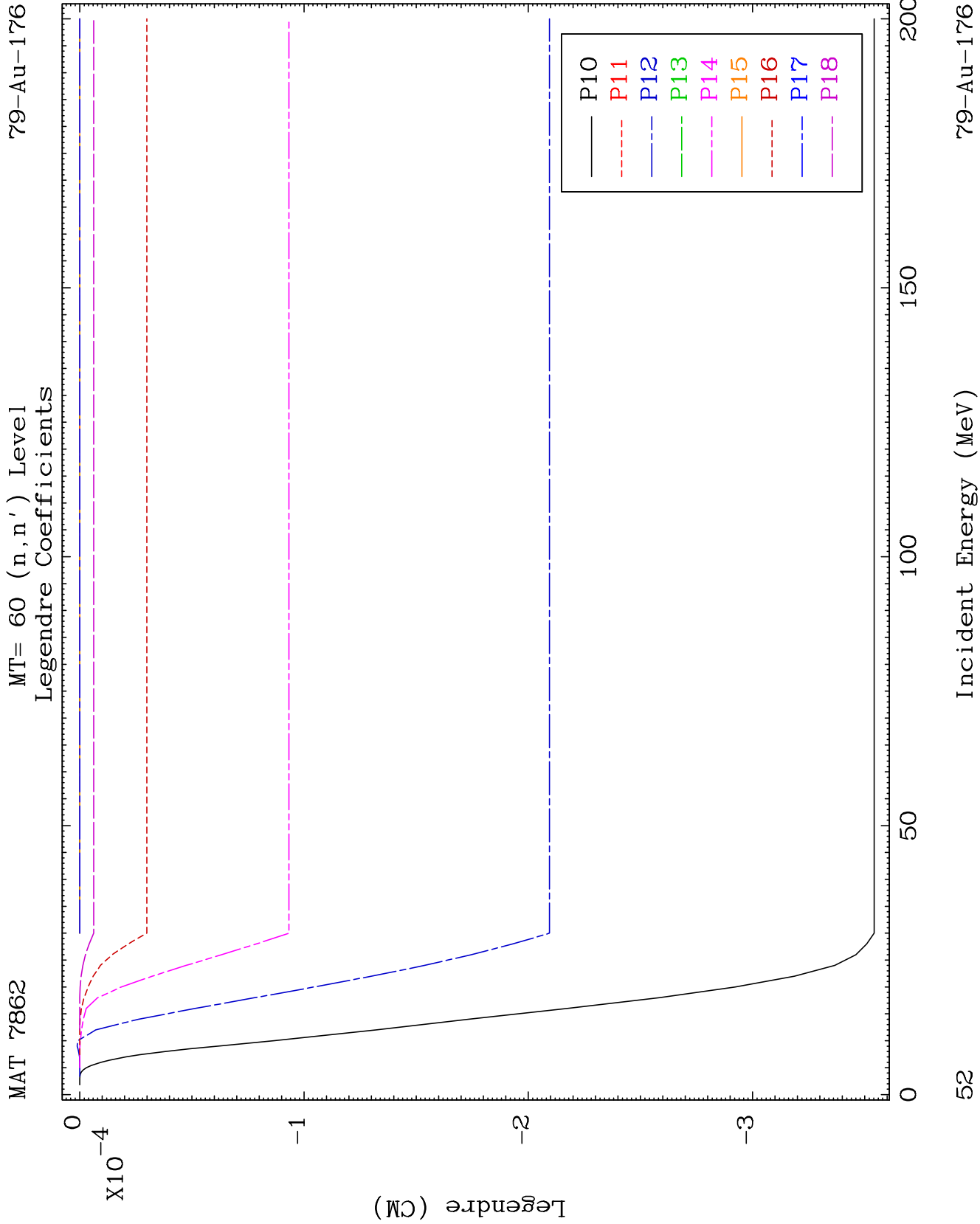
MAT 7862

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

79-Au-176



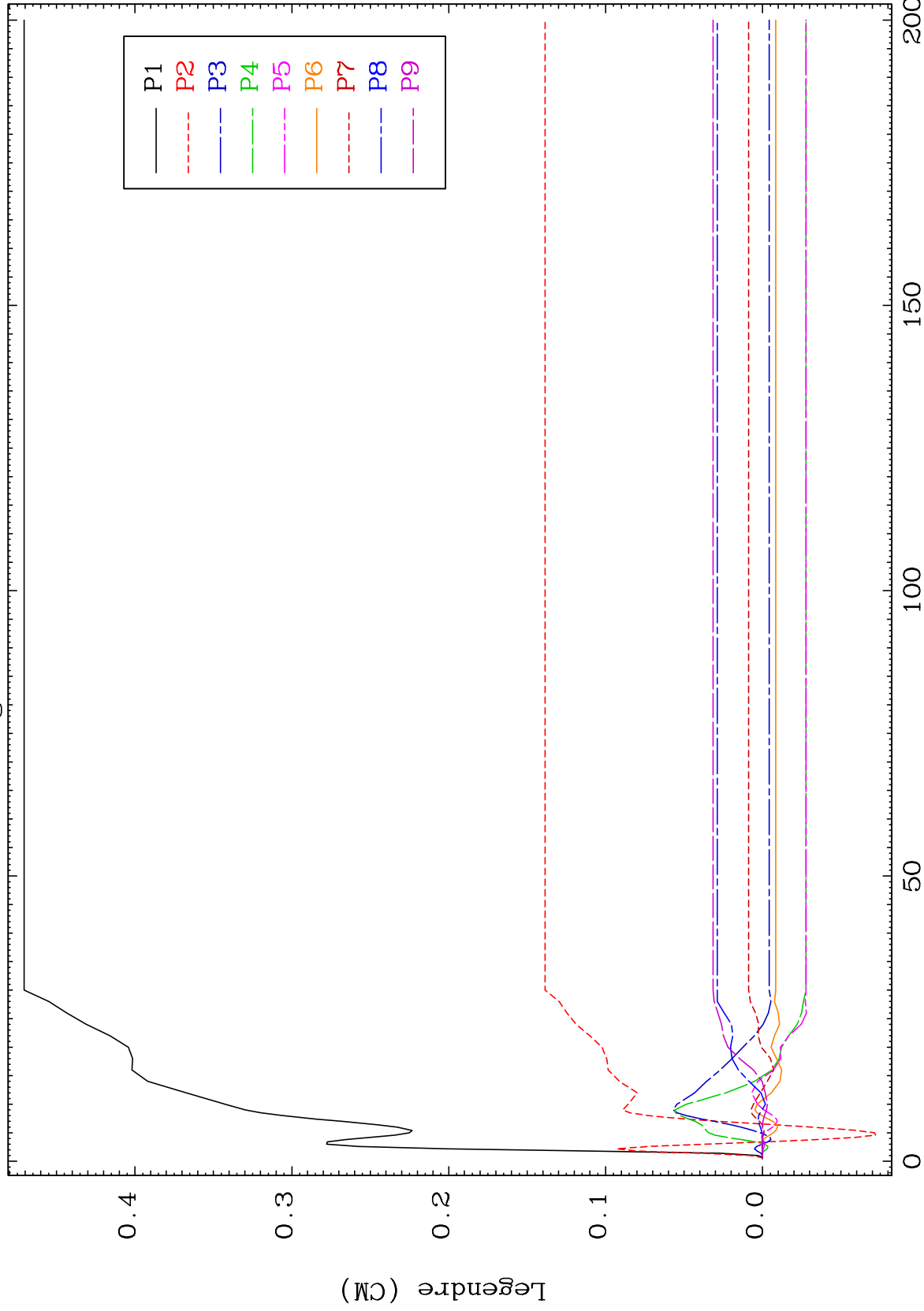




MAT 7862

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

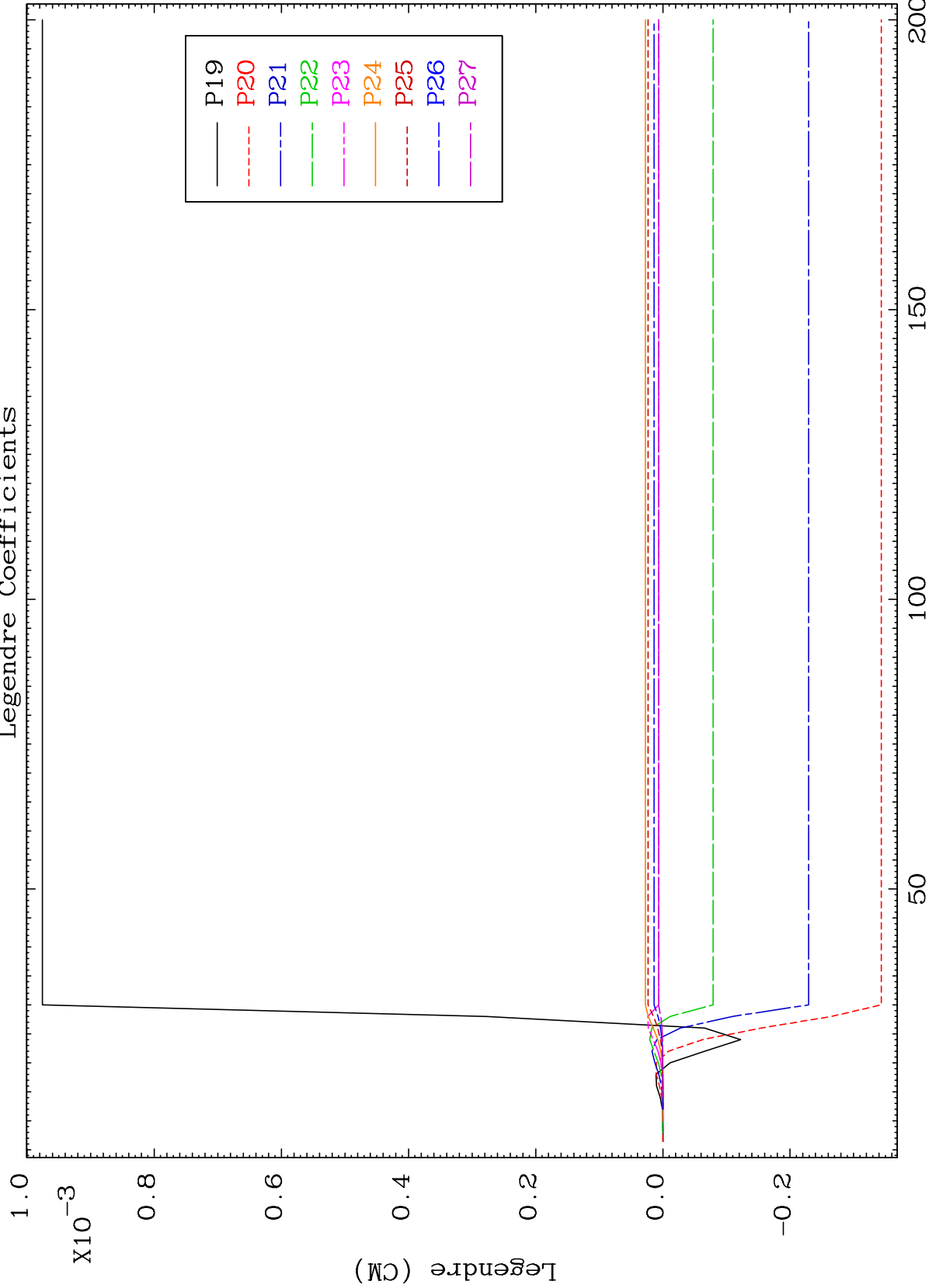
79-Au-176



54

Incident Energy (MeV)

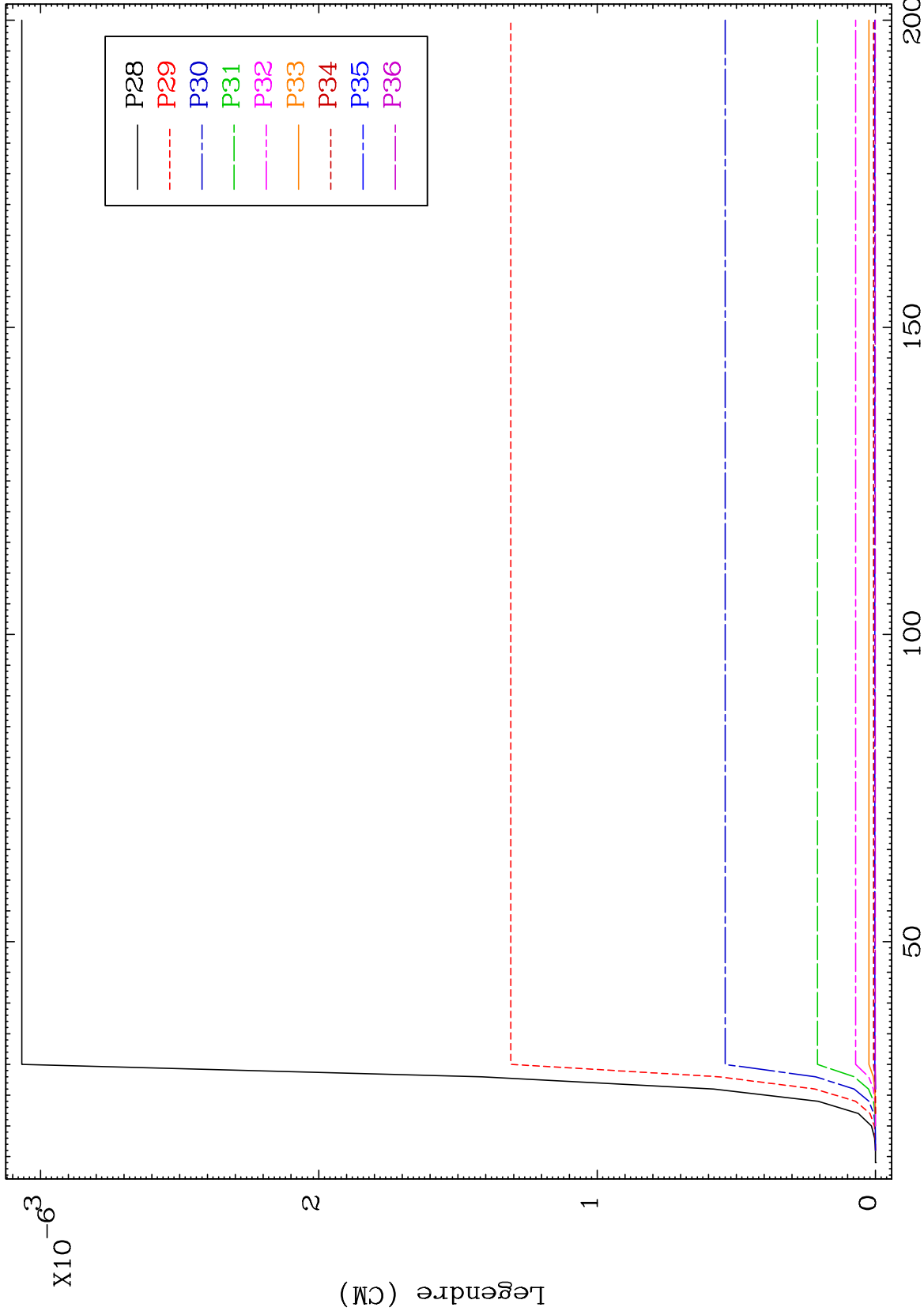
79-Au-176



MAT 7862

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

79-Au-176



57

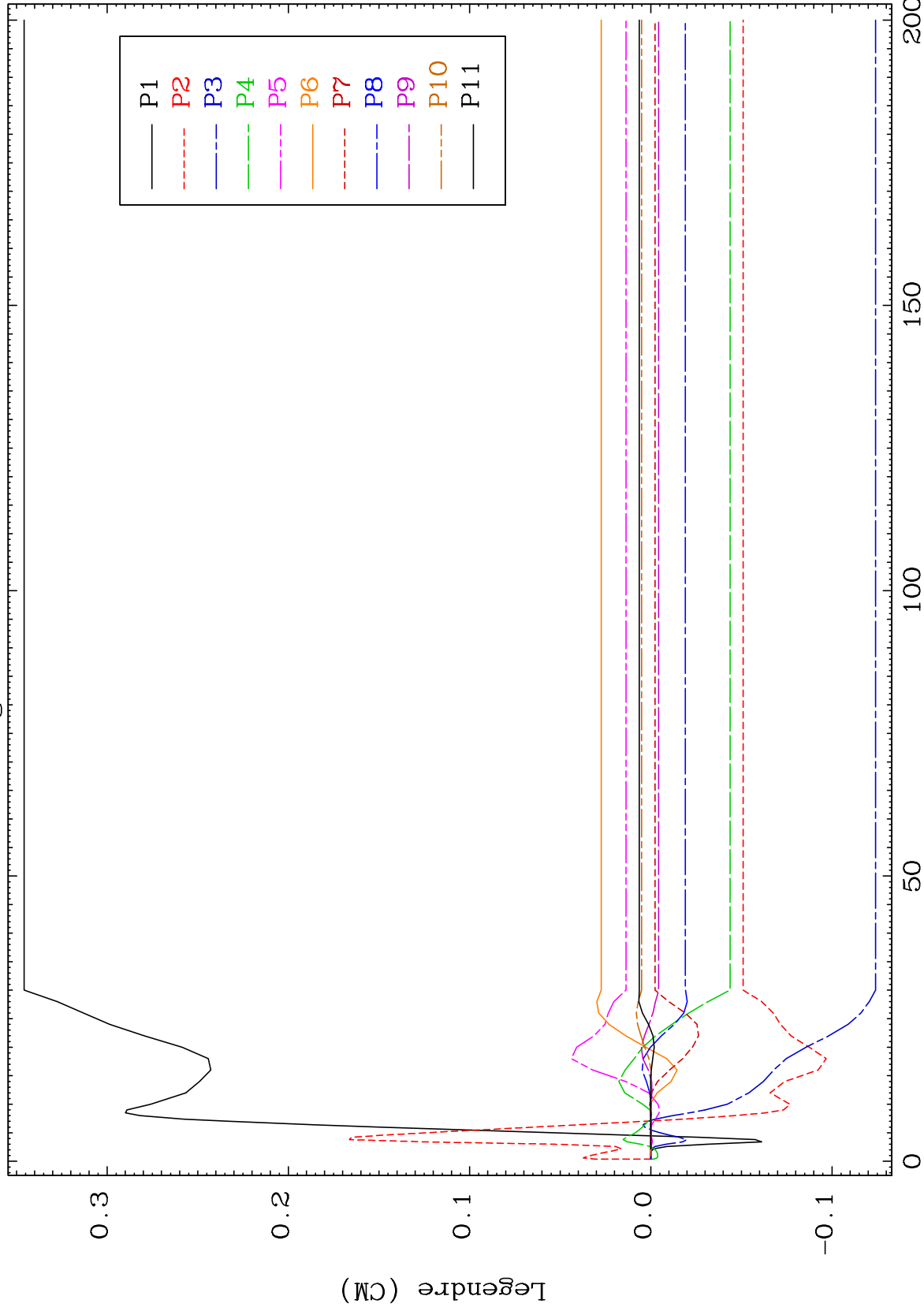
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



58

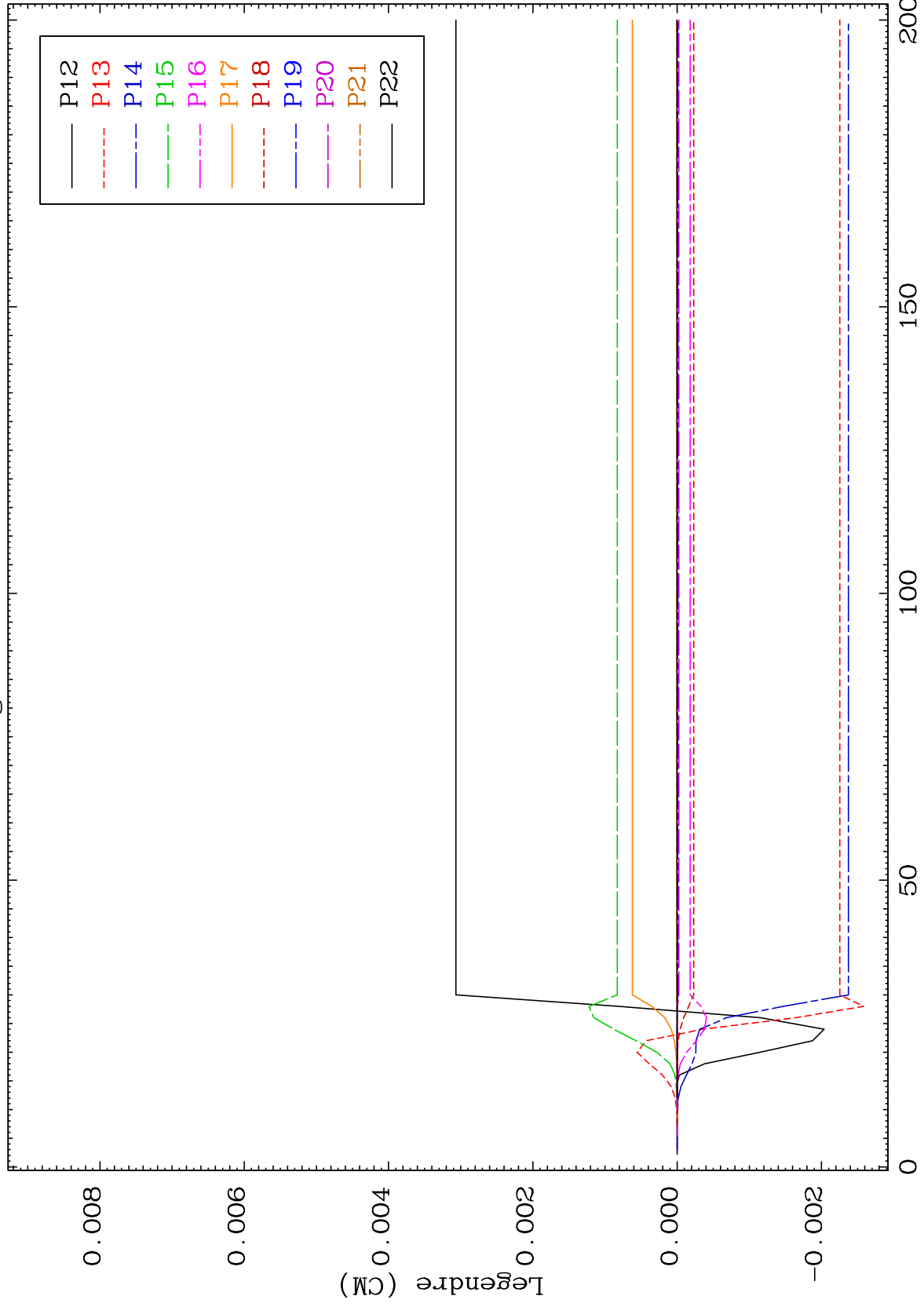
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



59

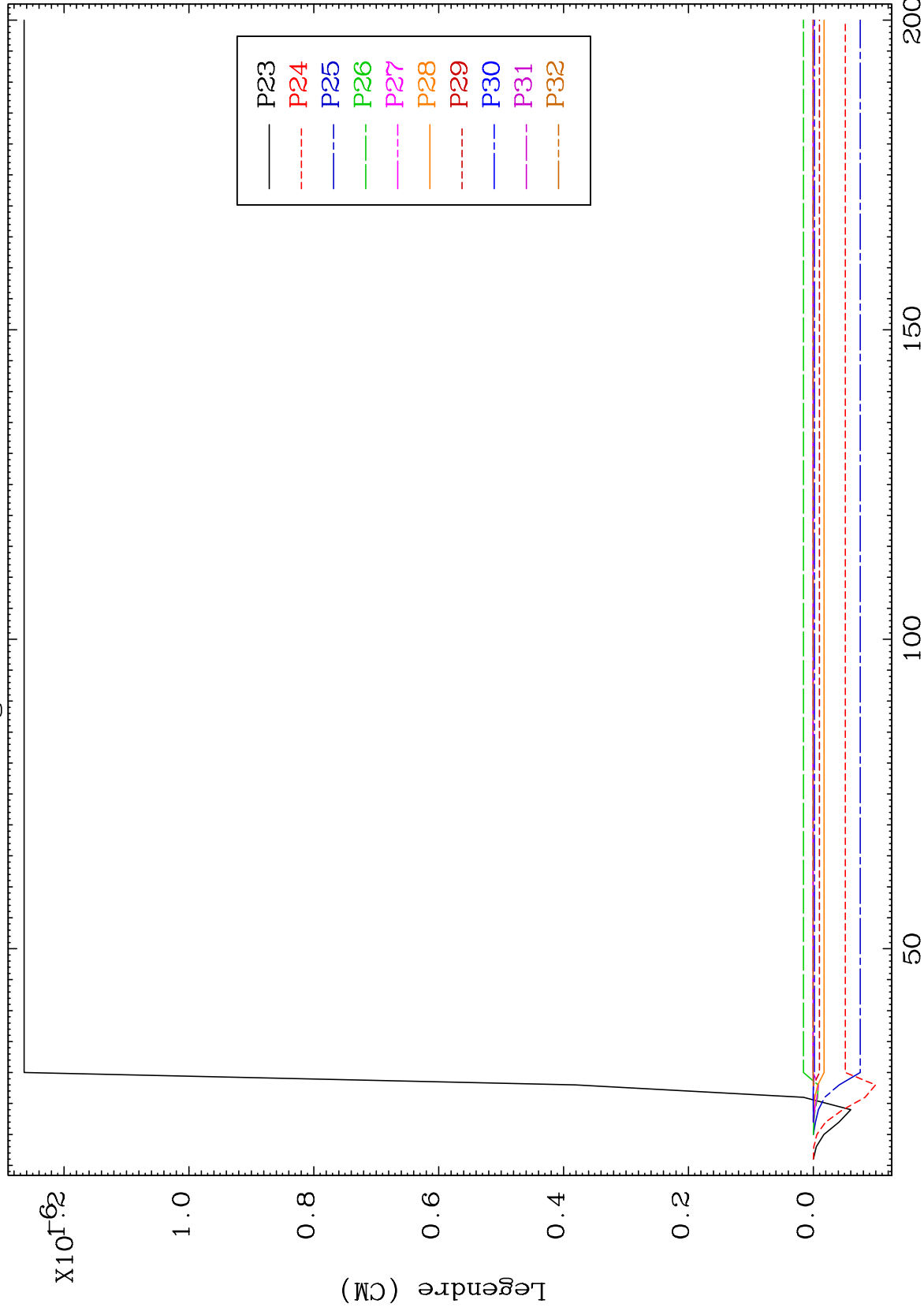
Incident Energy (MeV)

79-Au-176

MAT 7862

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

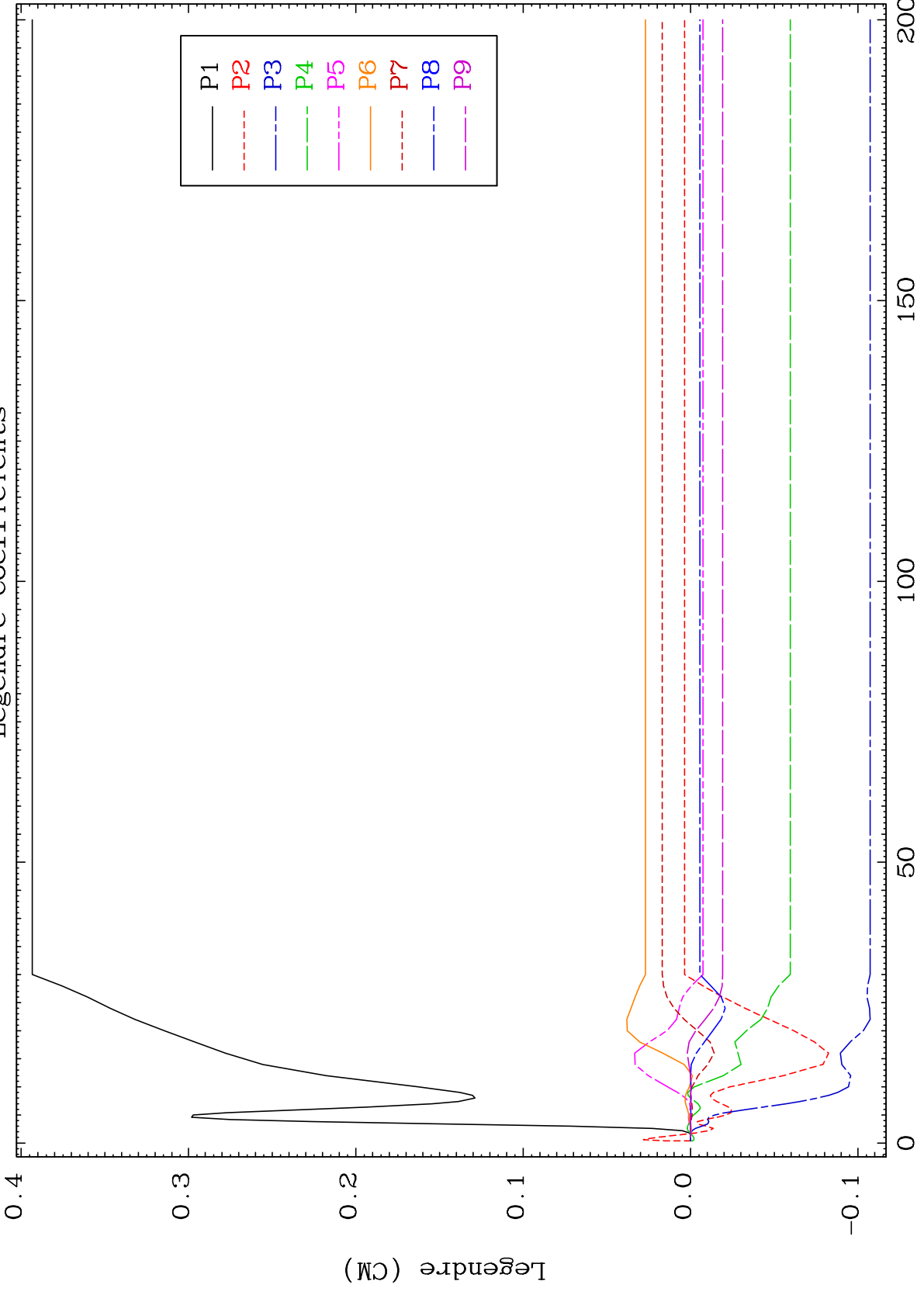
79-Au-176



60

Incident Energy (MeV)

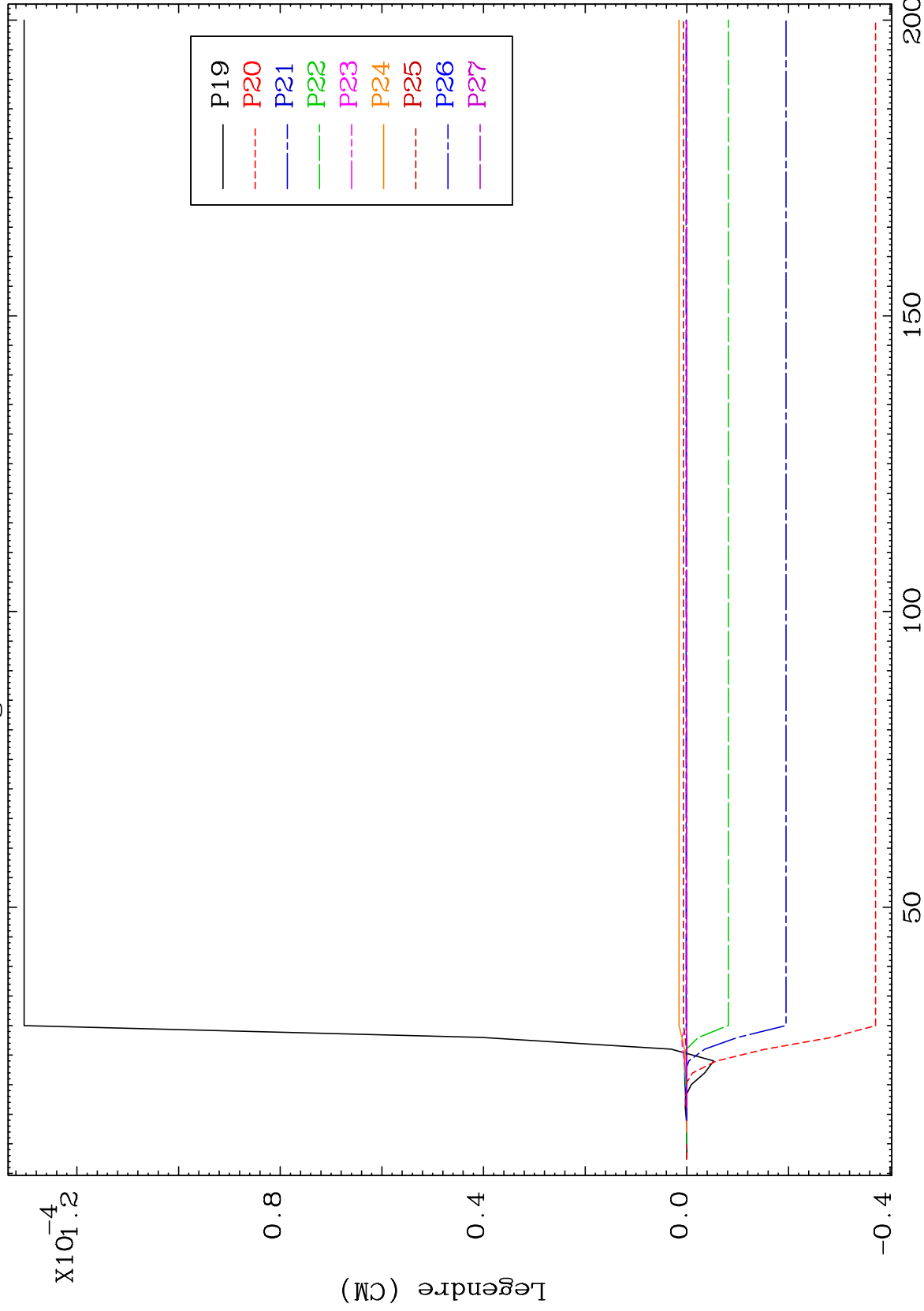
79-Au-176



MAT 7862

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

79-Au-176



63

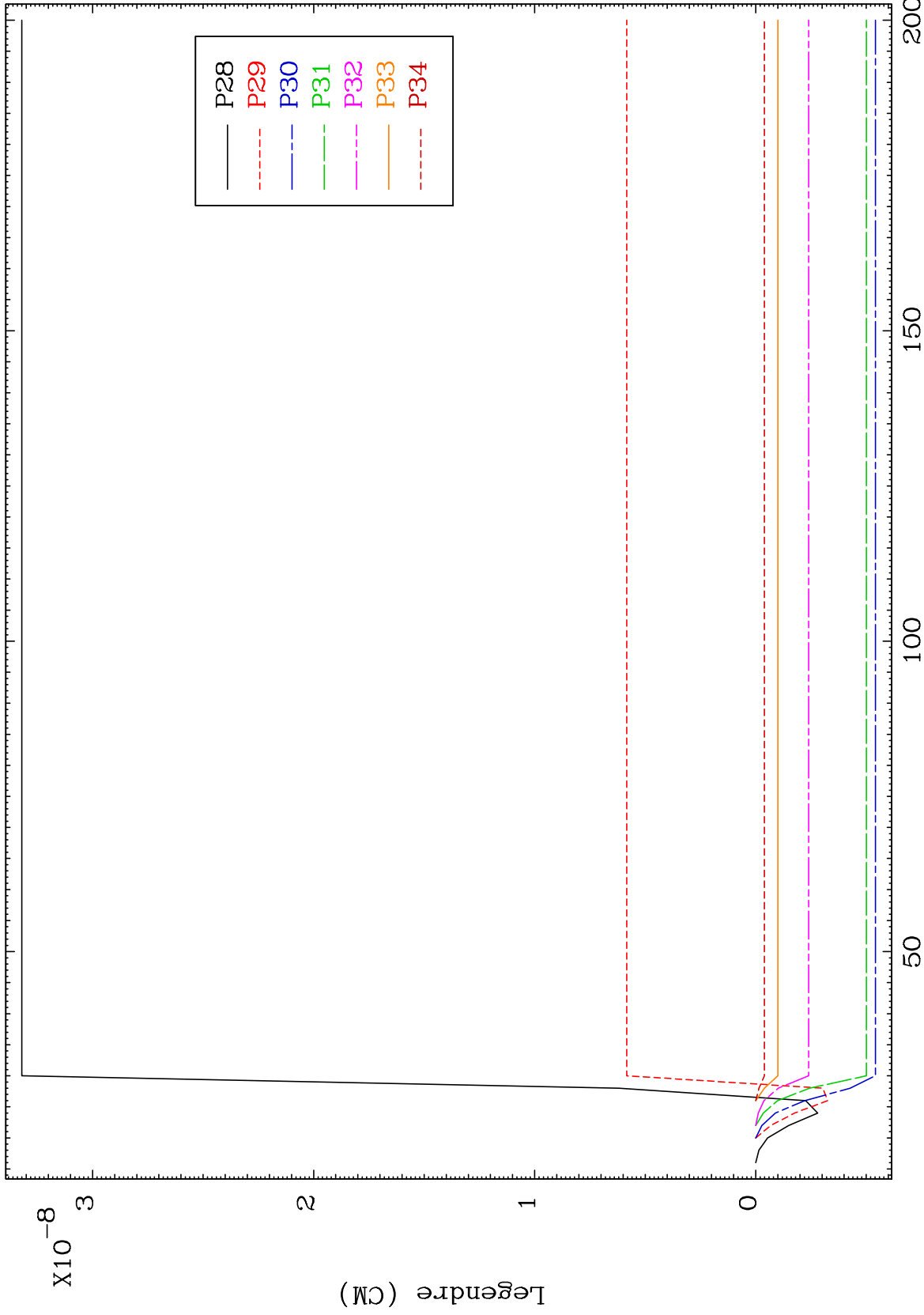
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



64

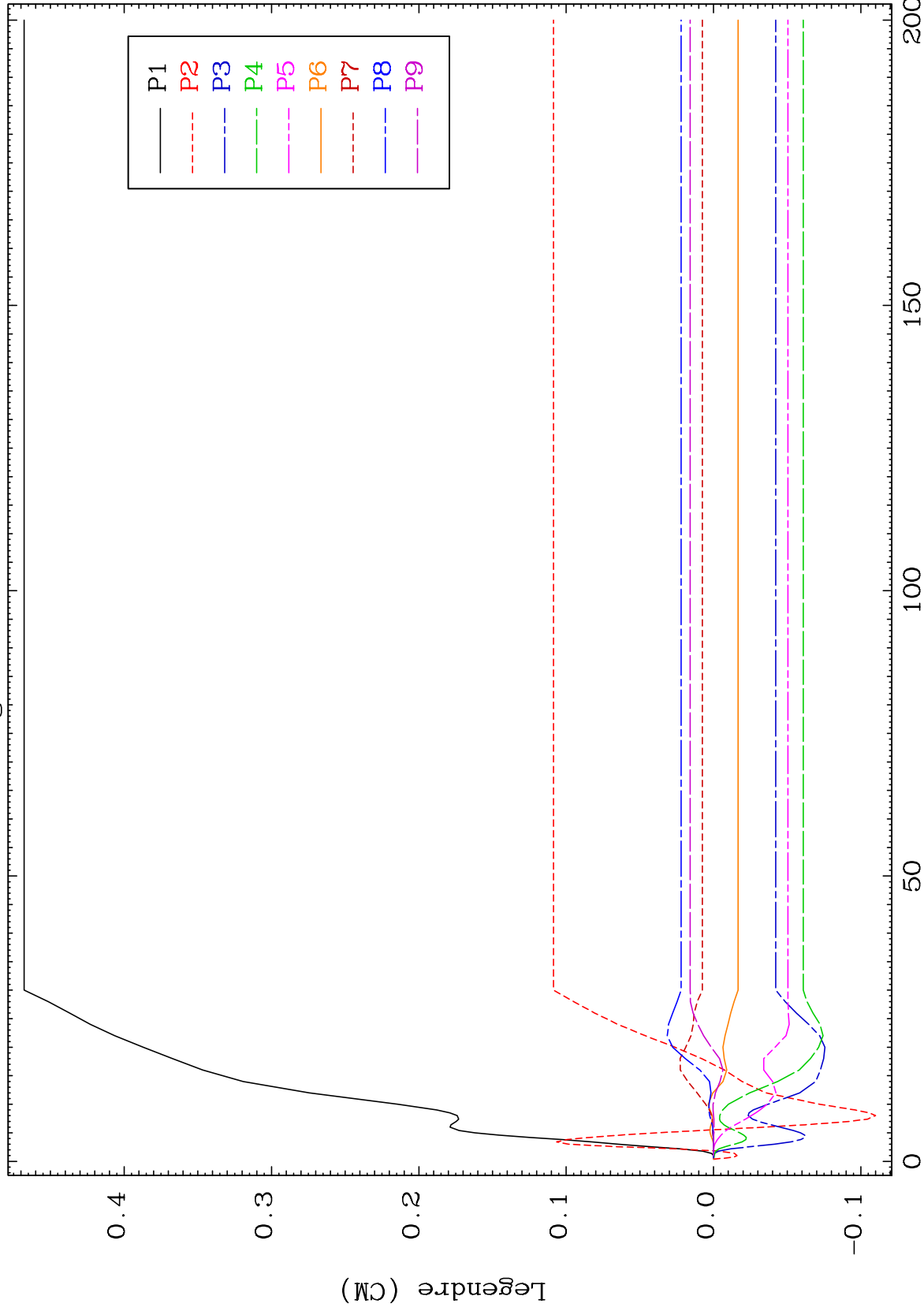
Incident Energy (MeV)

79-Au-176

MAT 7862

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

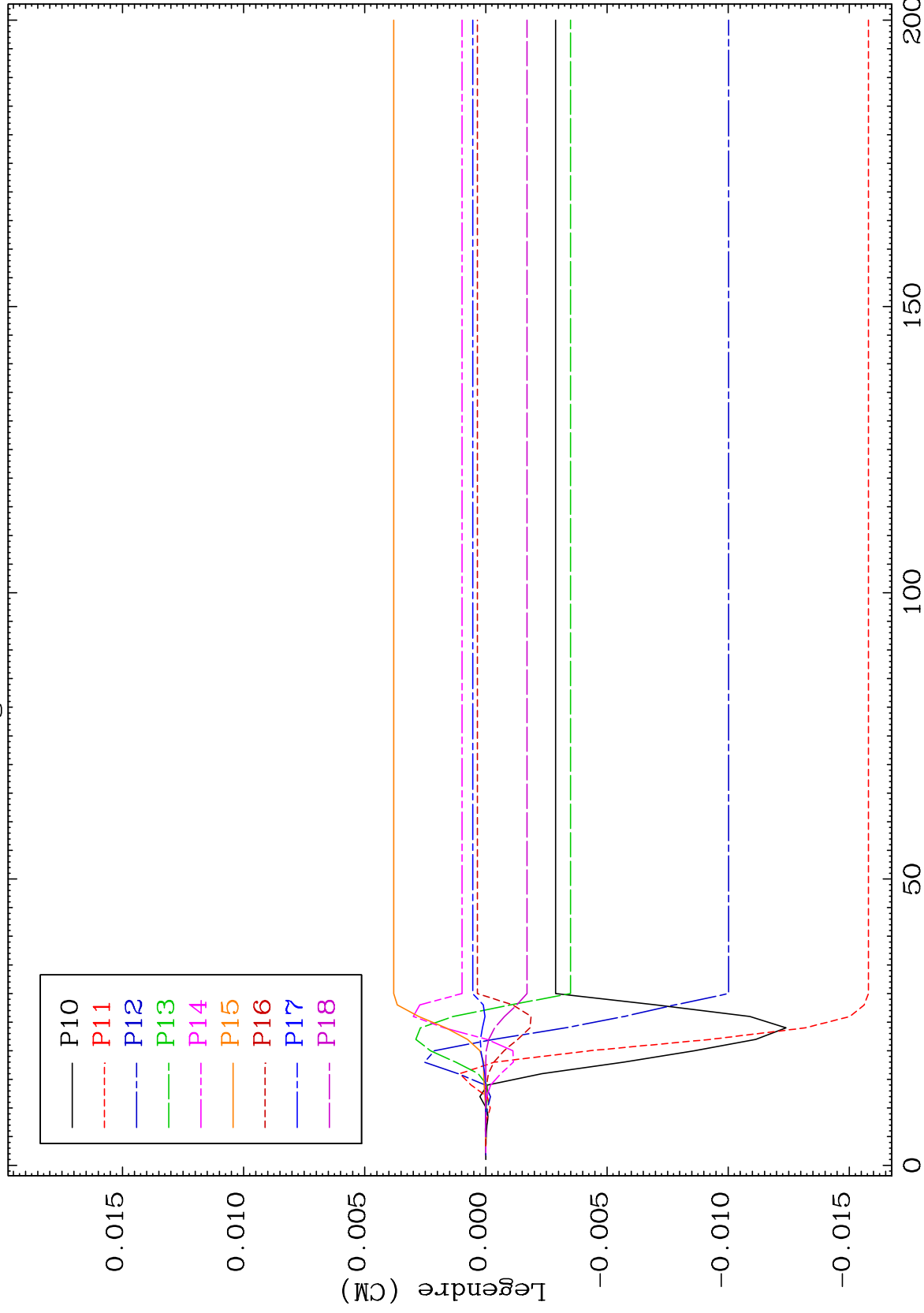
79-Au-176



65

Incident Energy (MeV)

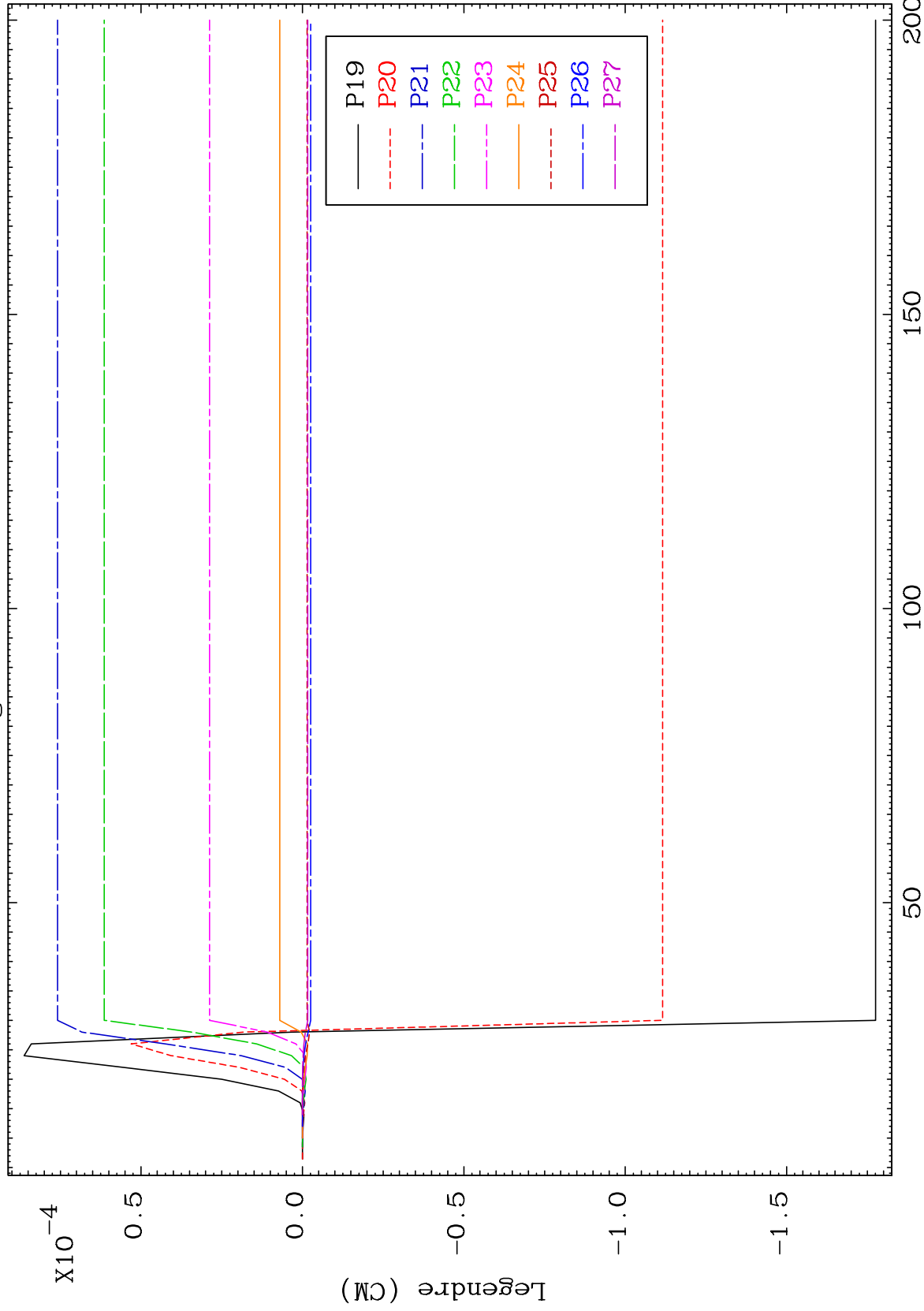
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MAT 7862

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

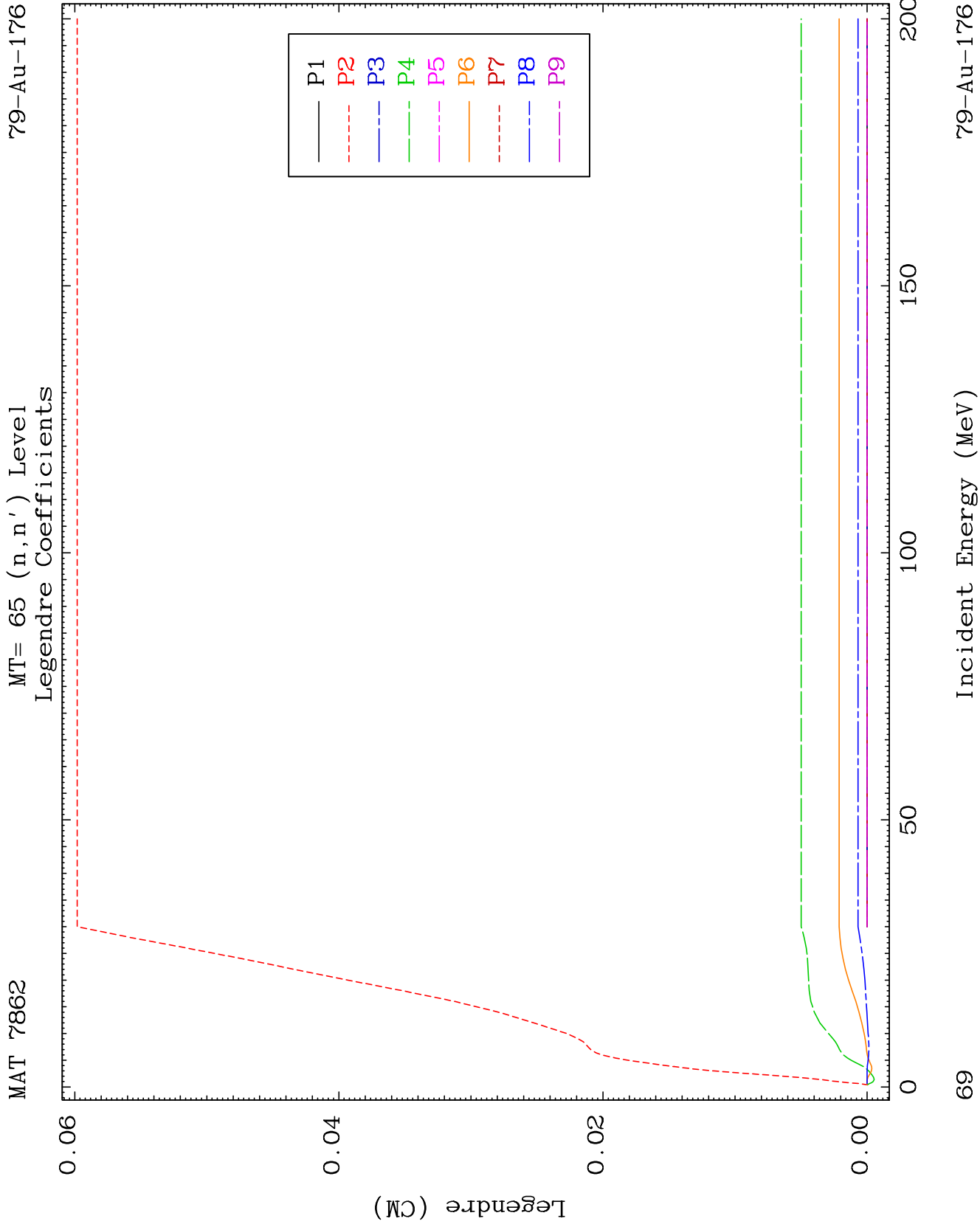
79-Au-176



67

Incident Energy (MeV)

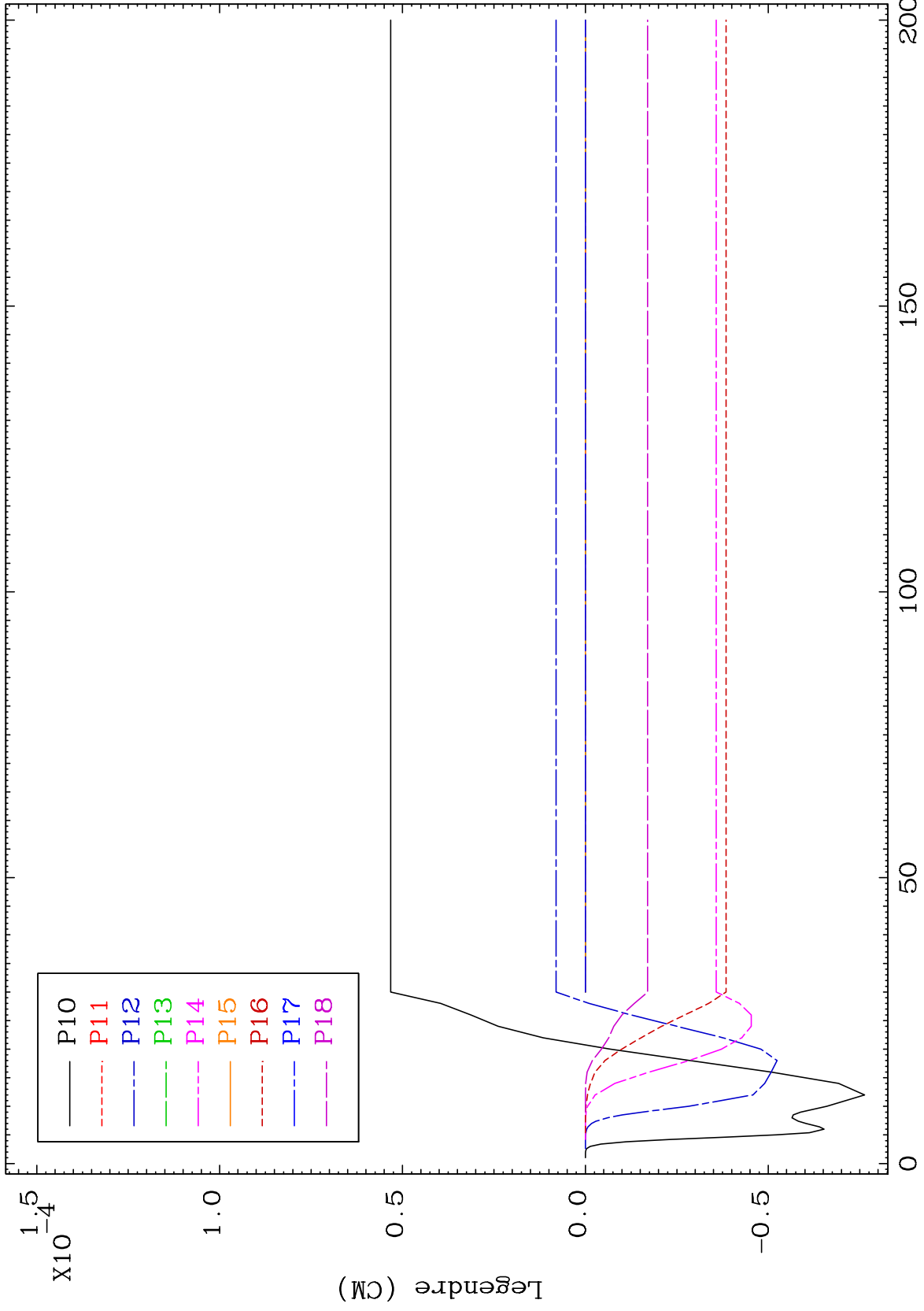
79-Au-176



MAT 7862

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

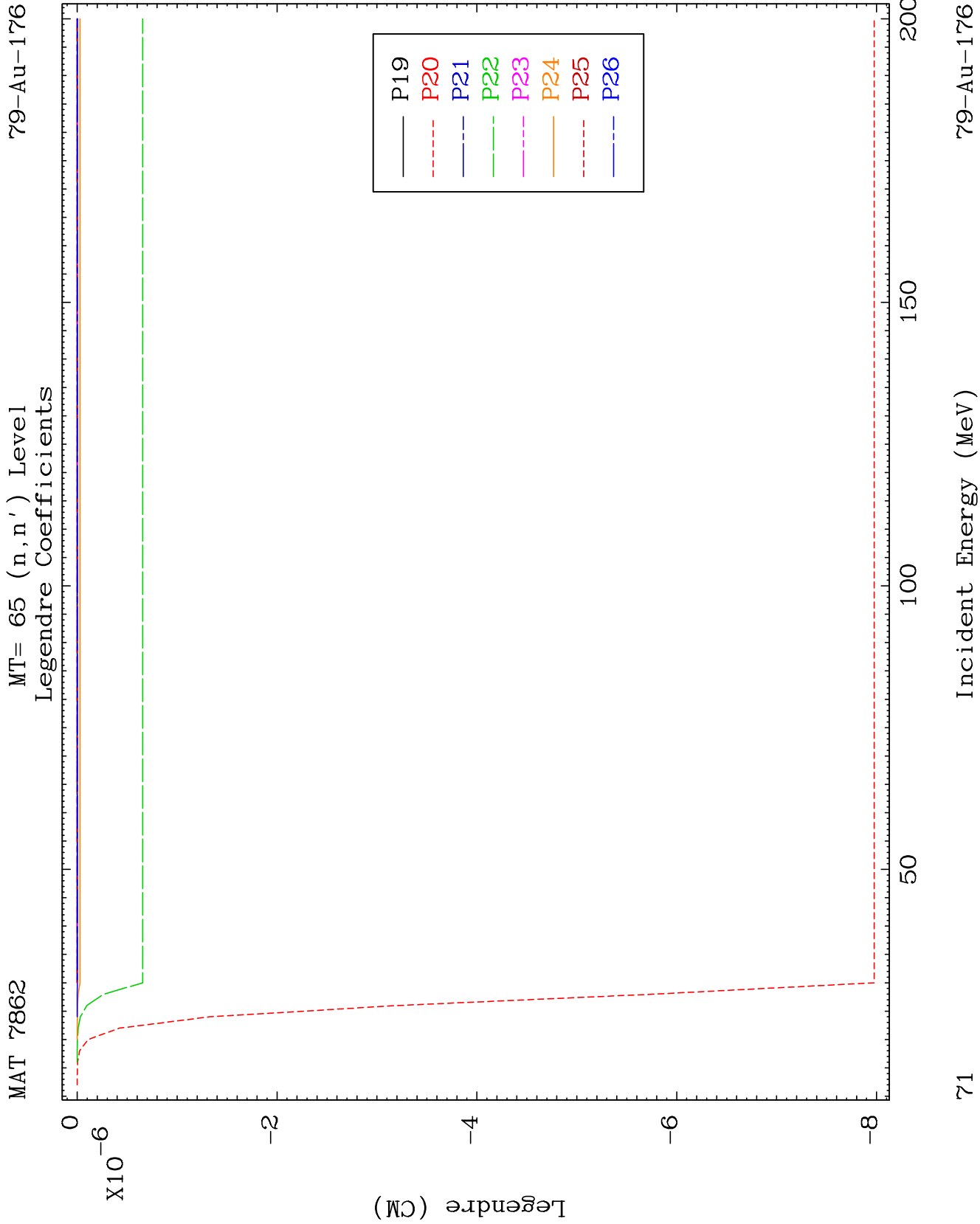
79-Au-176



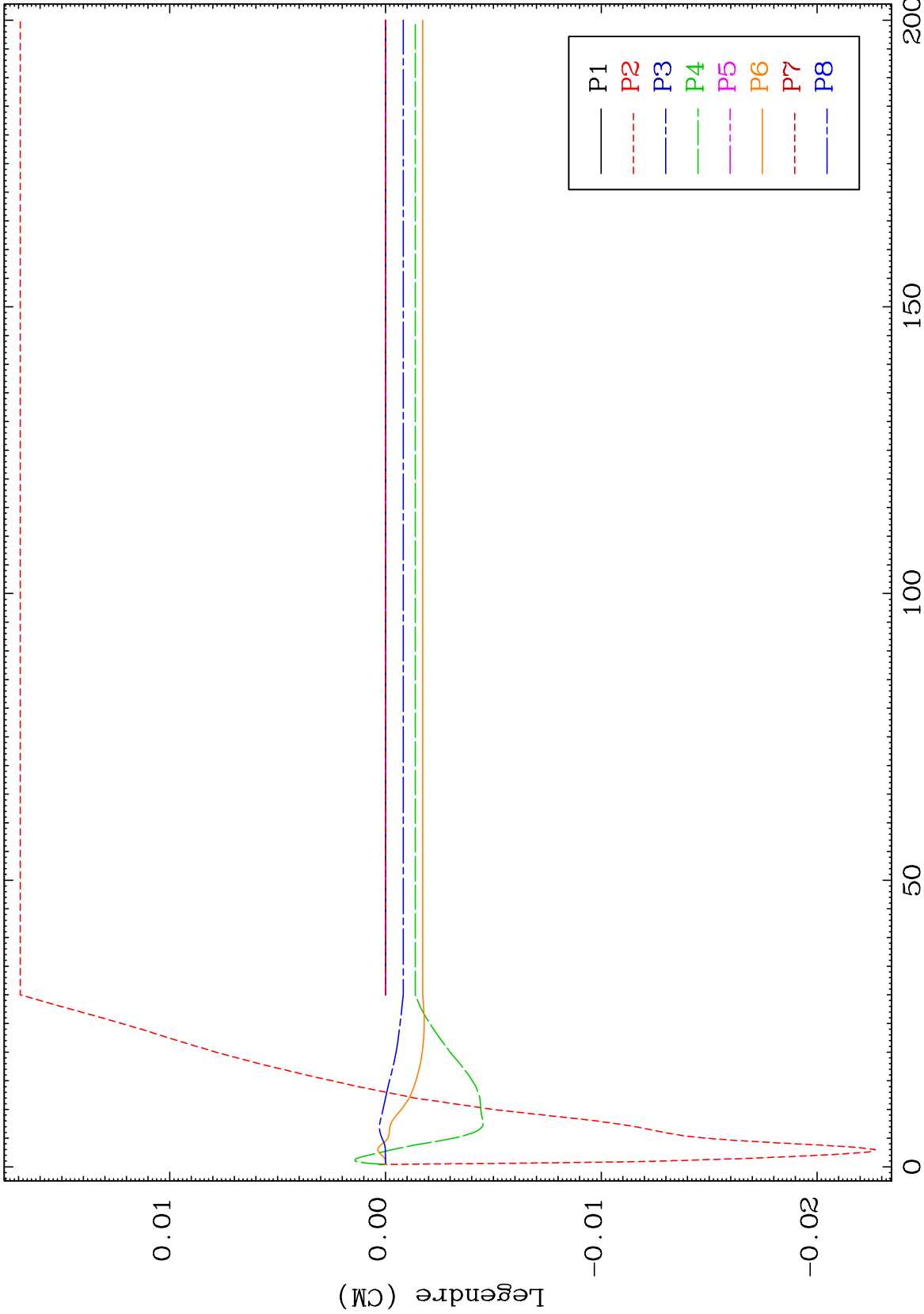
70

Incident Energy (MeV)

79-Au-176



MAT 7862 MT= 66 (n,n') Level Legendre Coefficients 79-Au-176

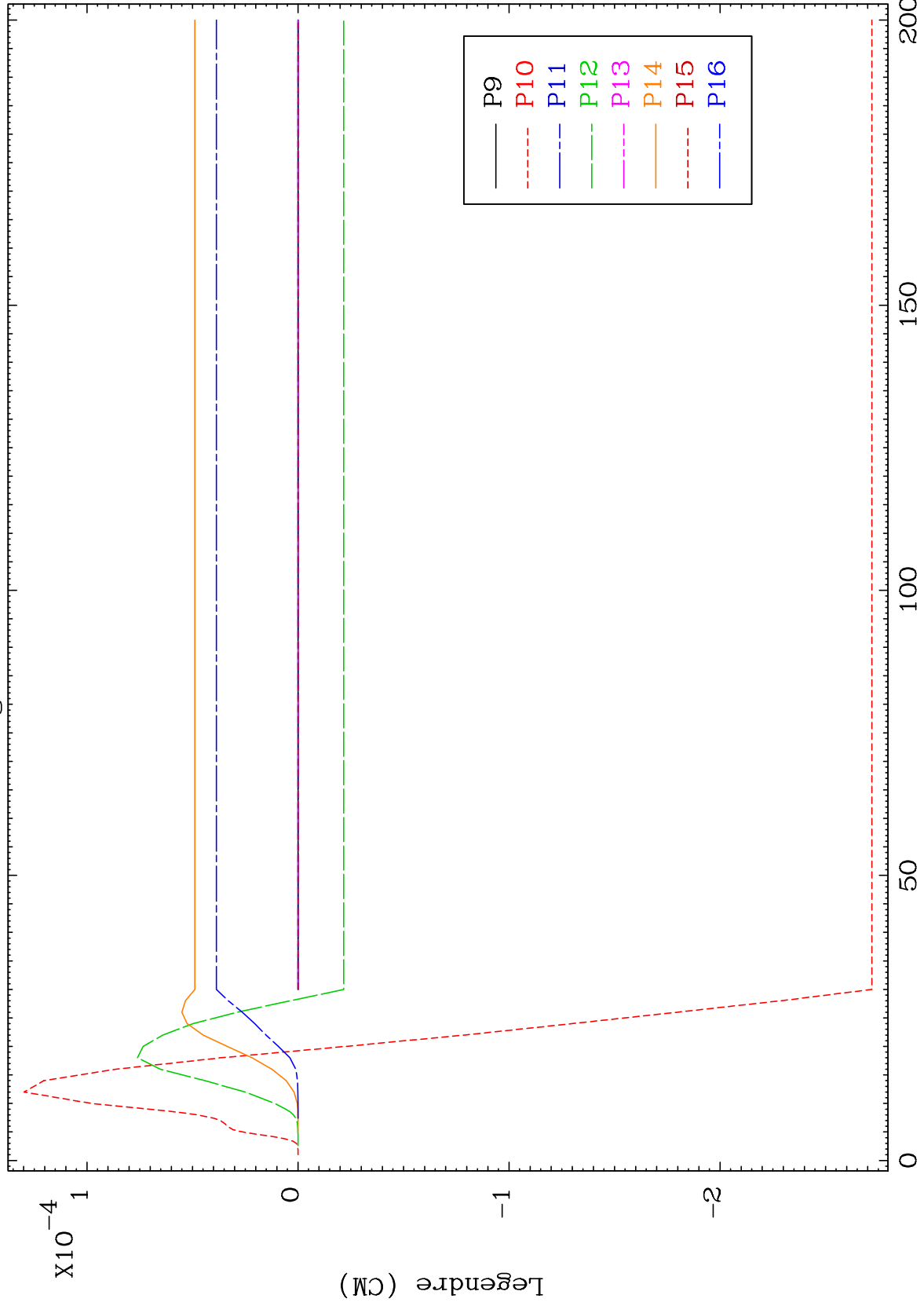


72 79-Au-176

MAT 7862

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

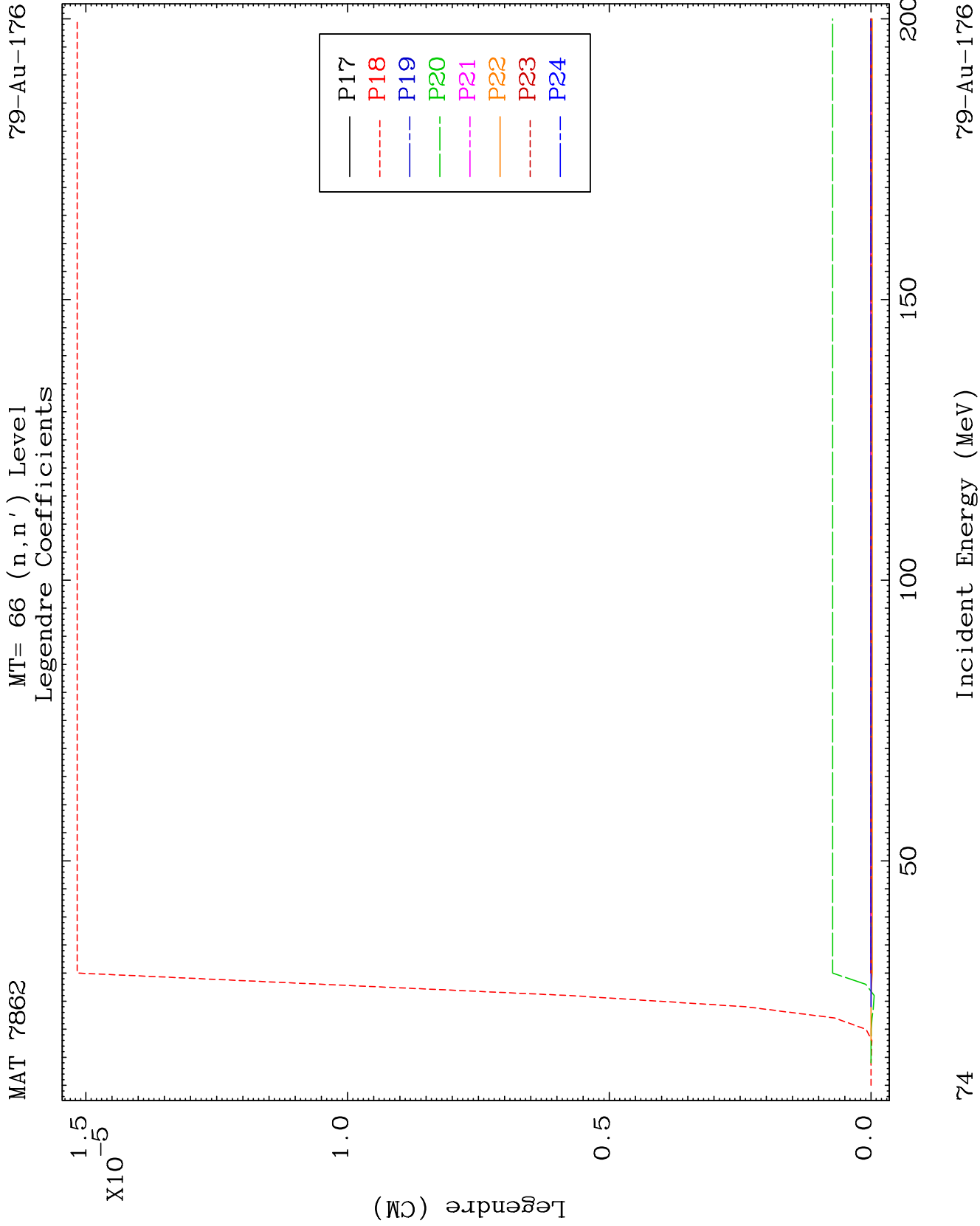
79-Au-176



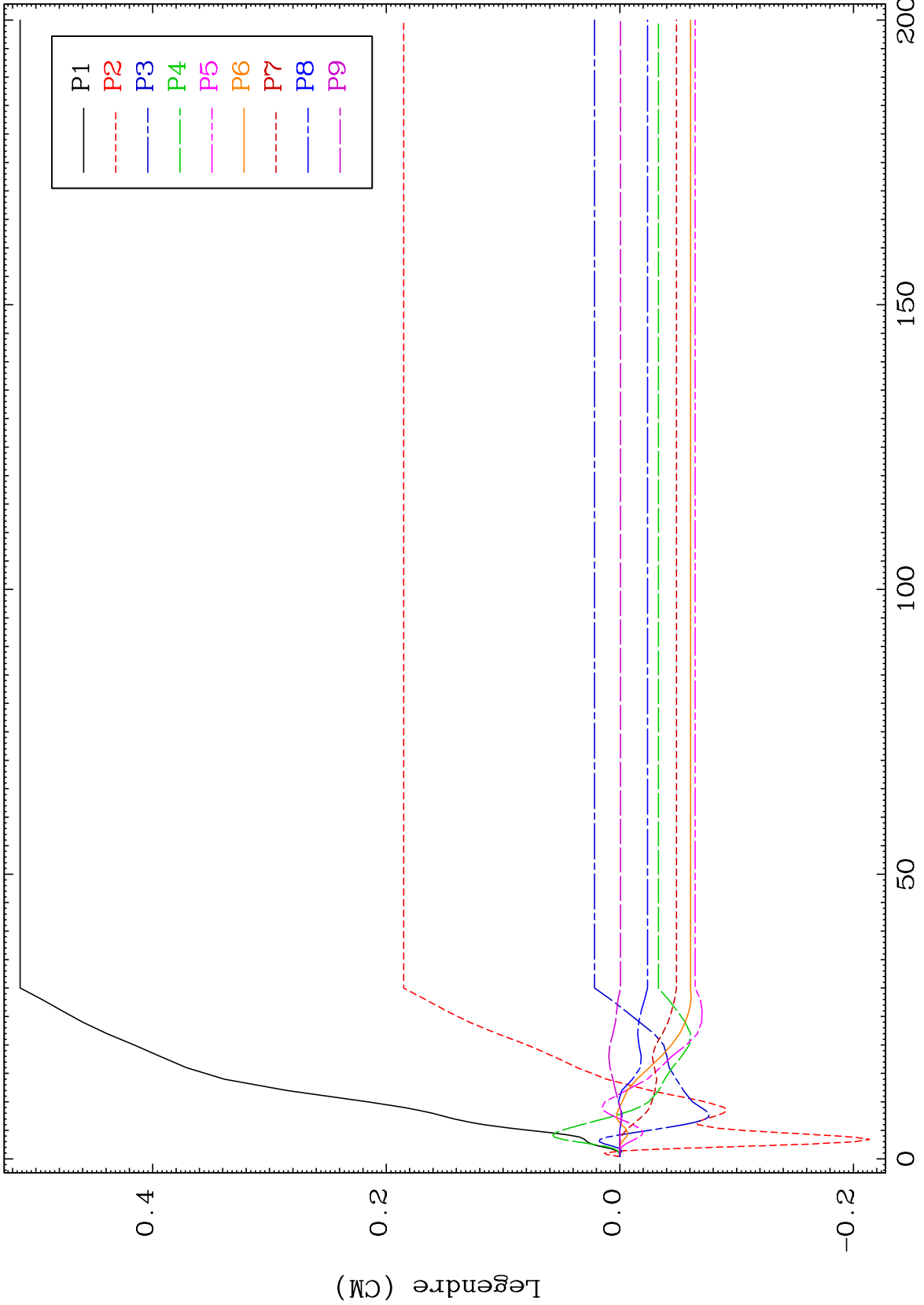
73

Incident Energy (MeV)

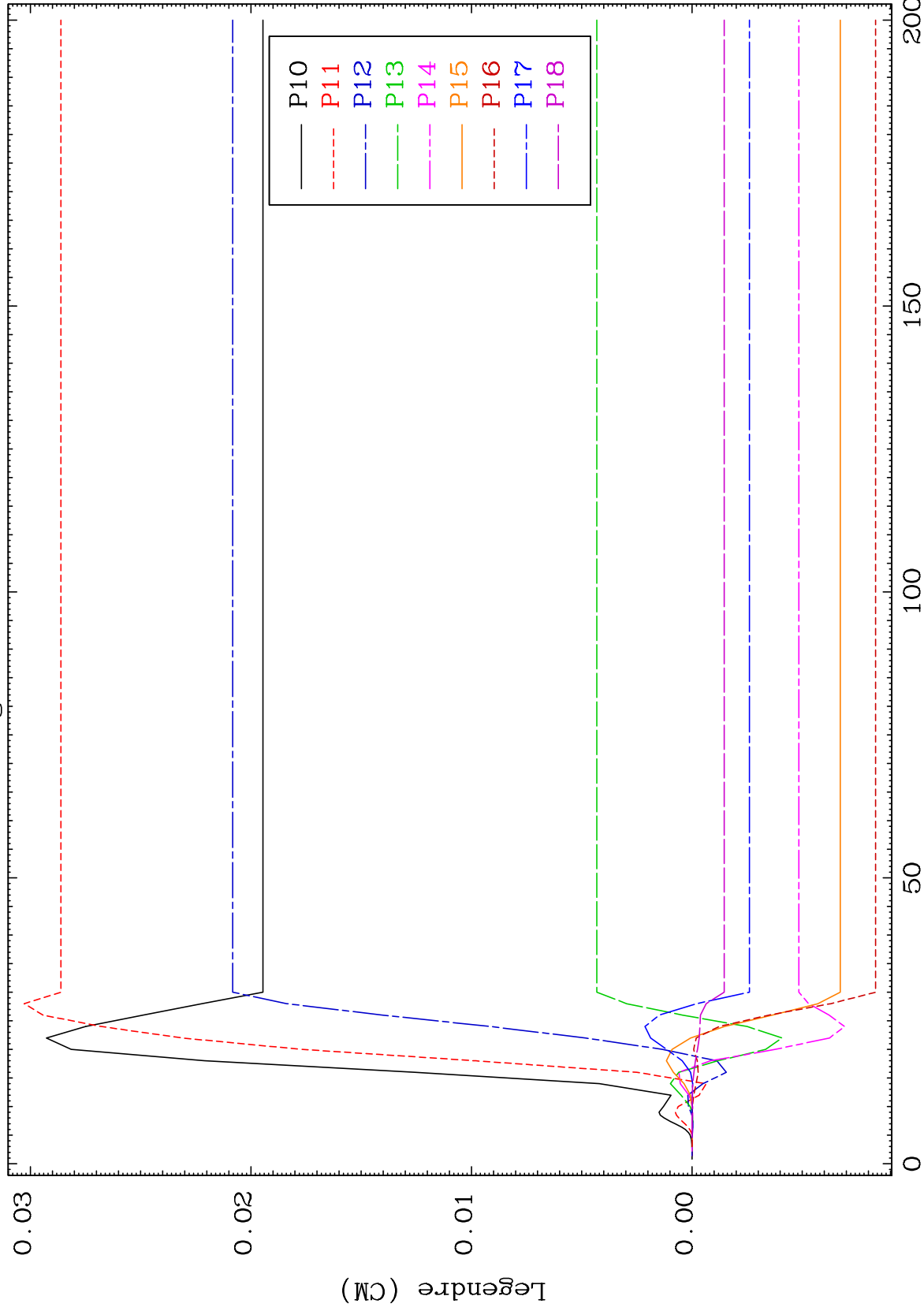
79-Au-176



MAT 7862 MT= 67 (n,n') Level Legendre Coefficients 79-Au-176



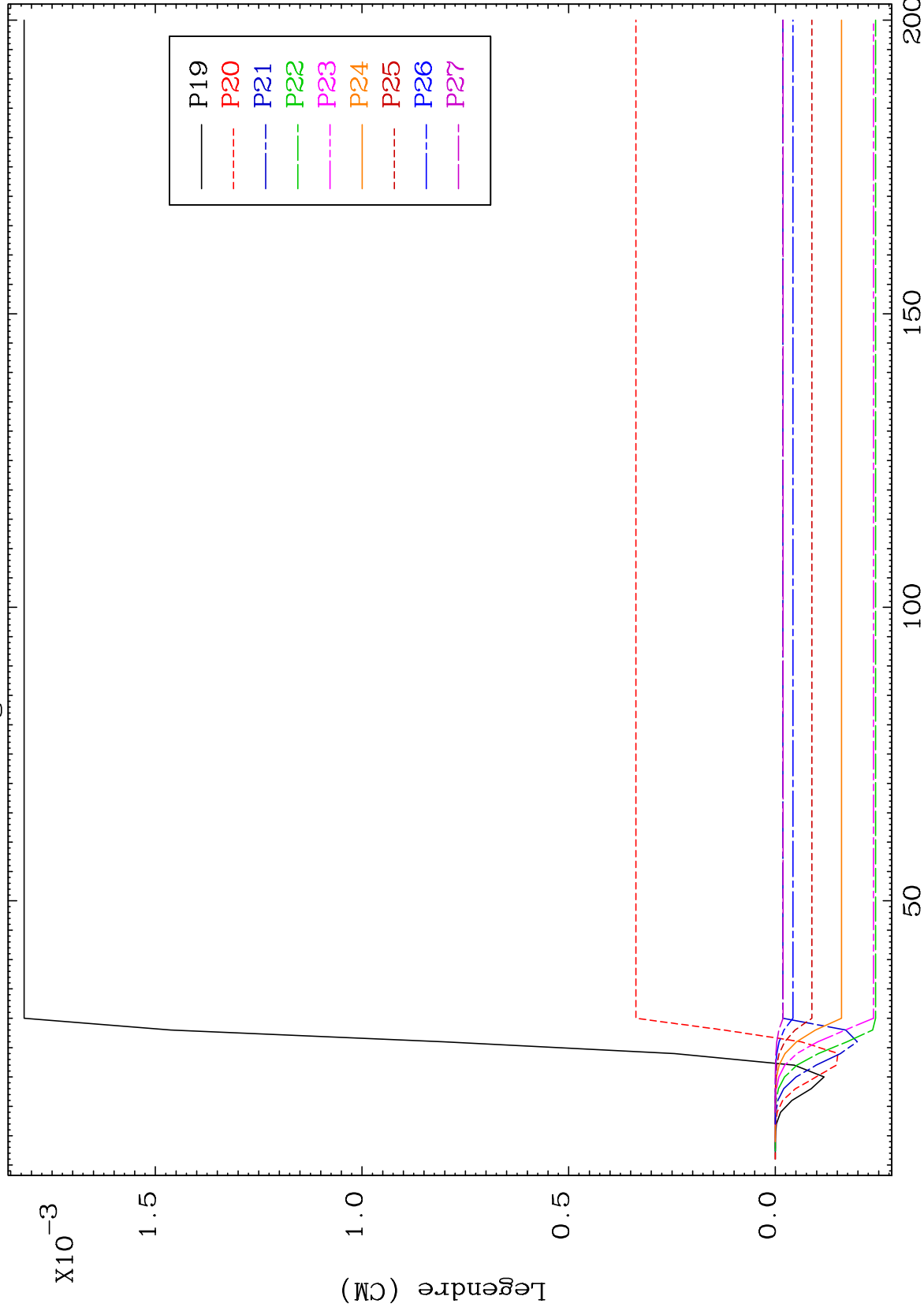
75 79-Au-176



MAT 7862

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

79-Au-176



77

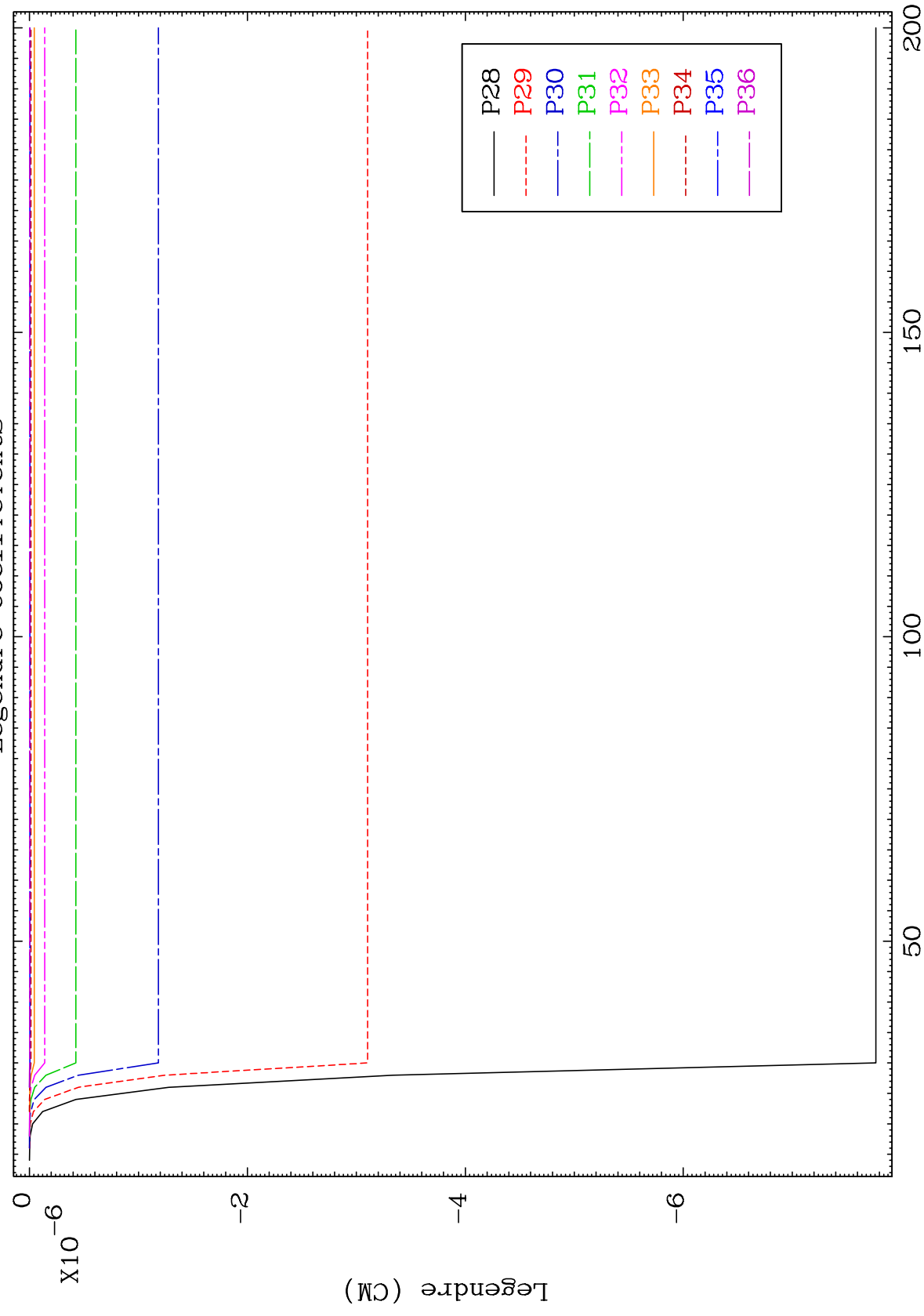
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



82

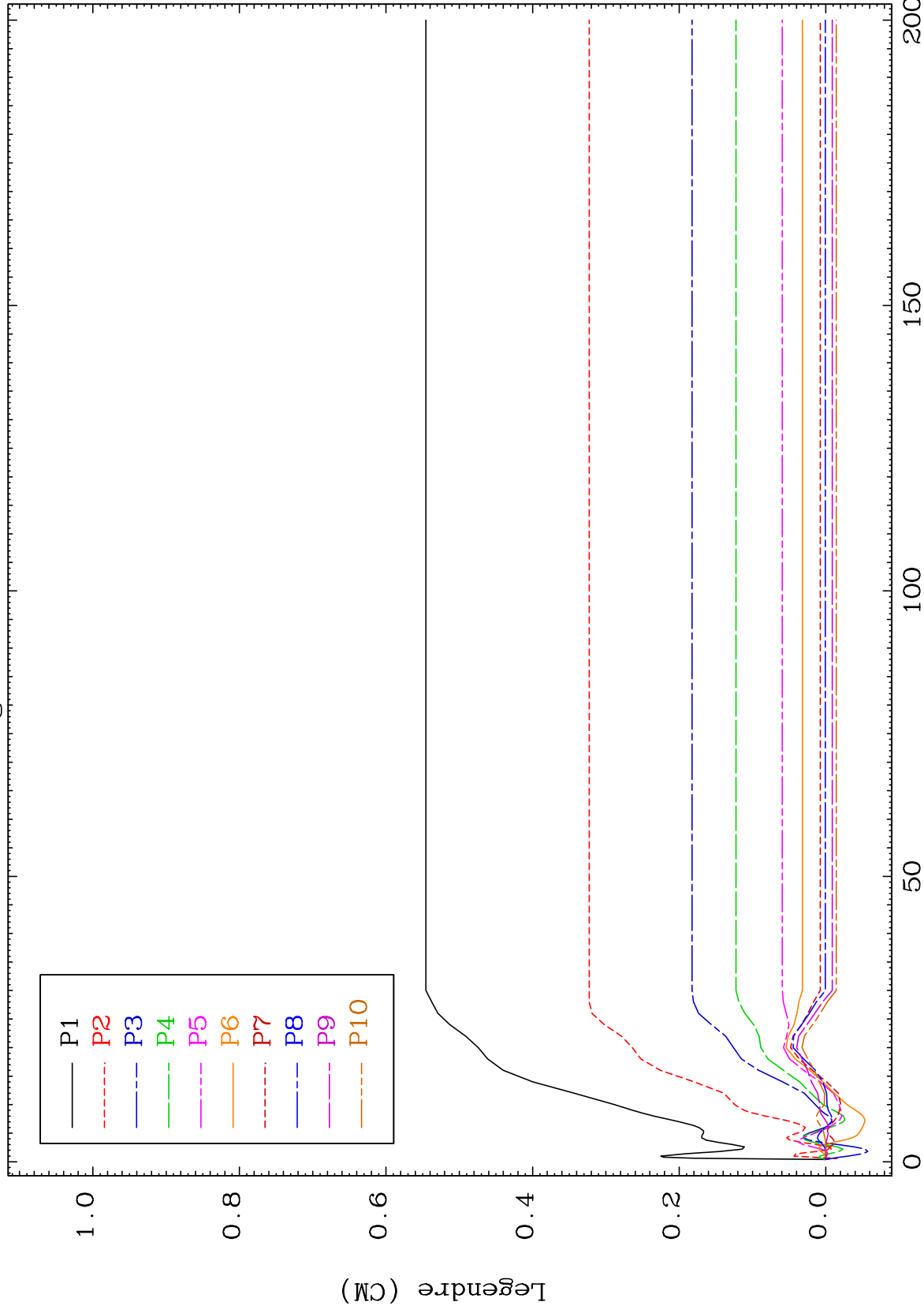
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79

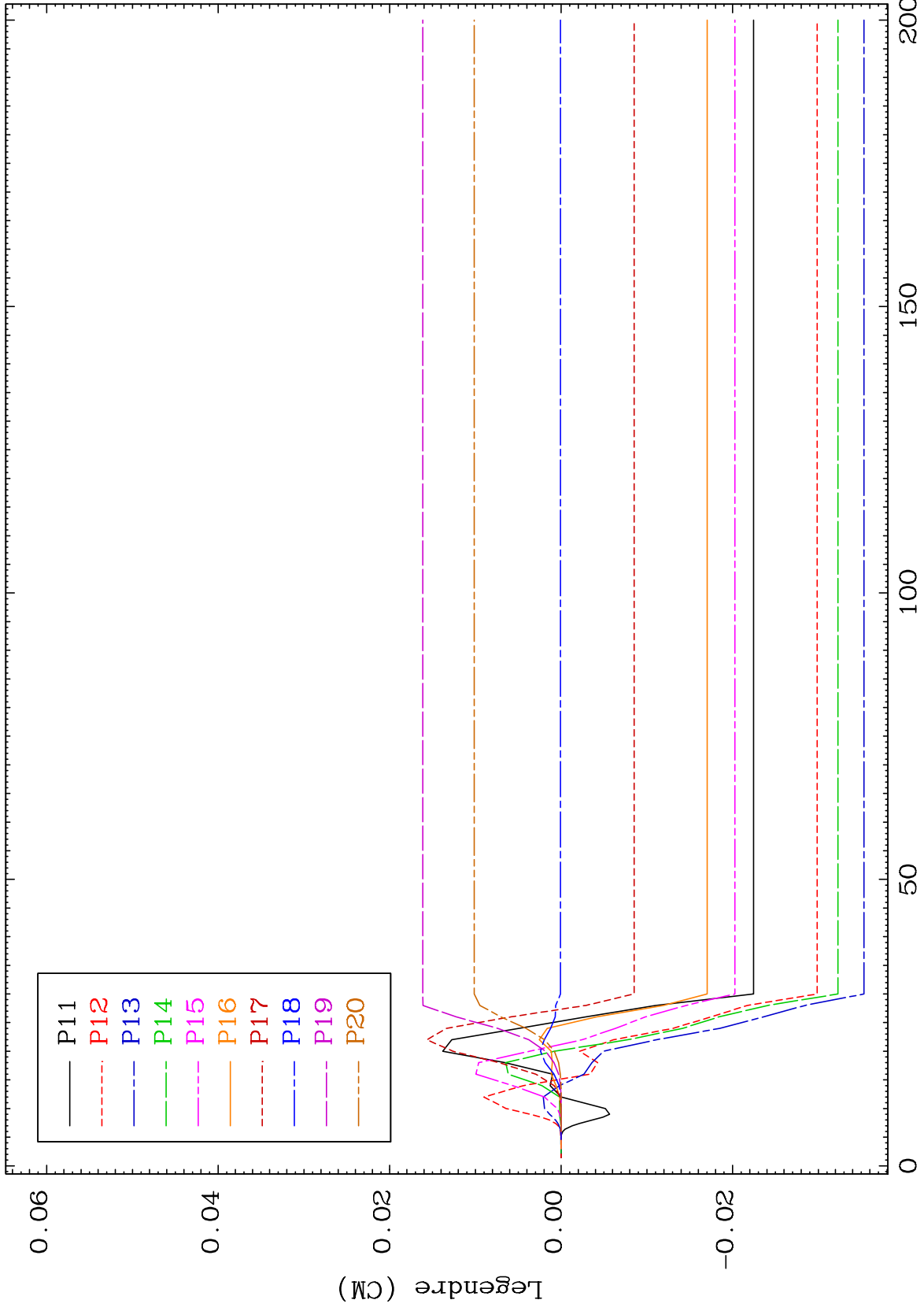
Incident Energy (MeV)

79-Au-176

MAT 7862

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

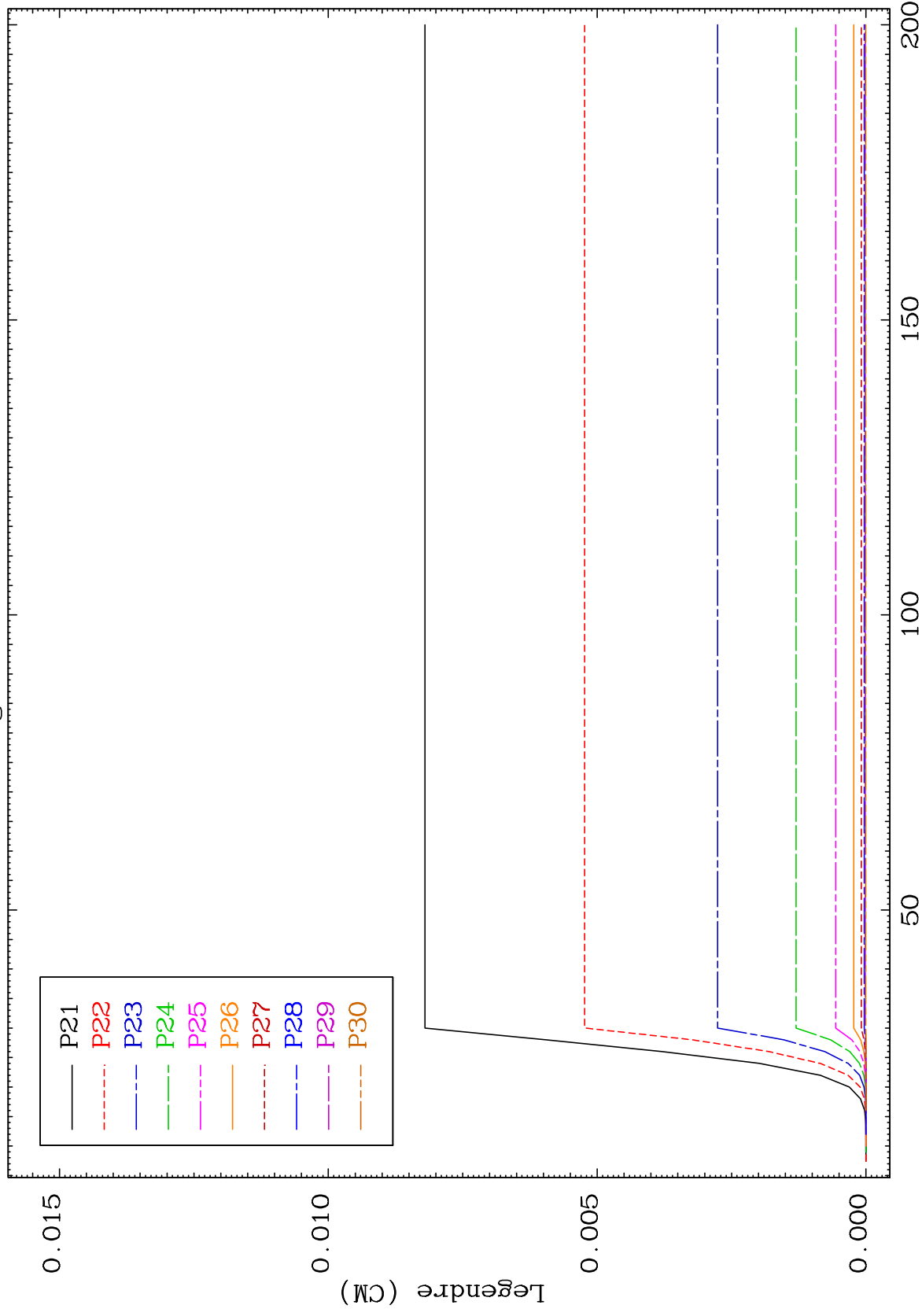
79-Au-176



80

Incident Energy (MeV)

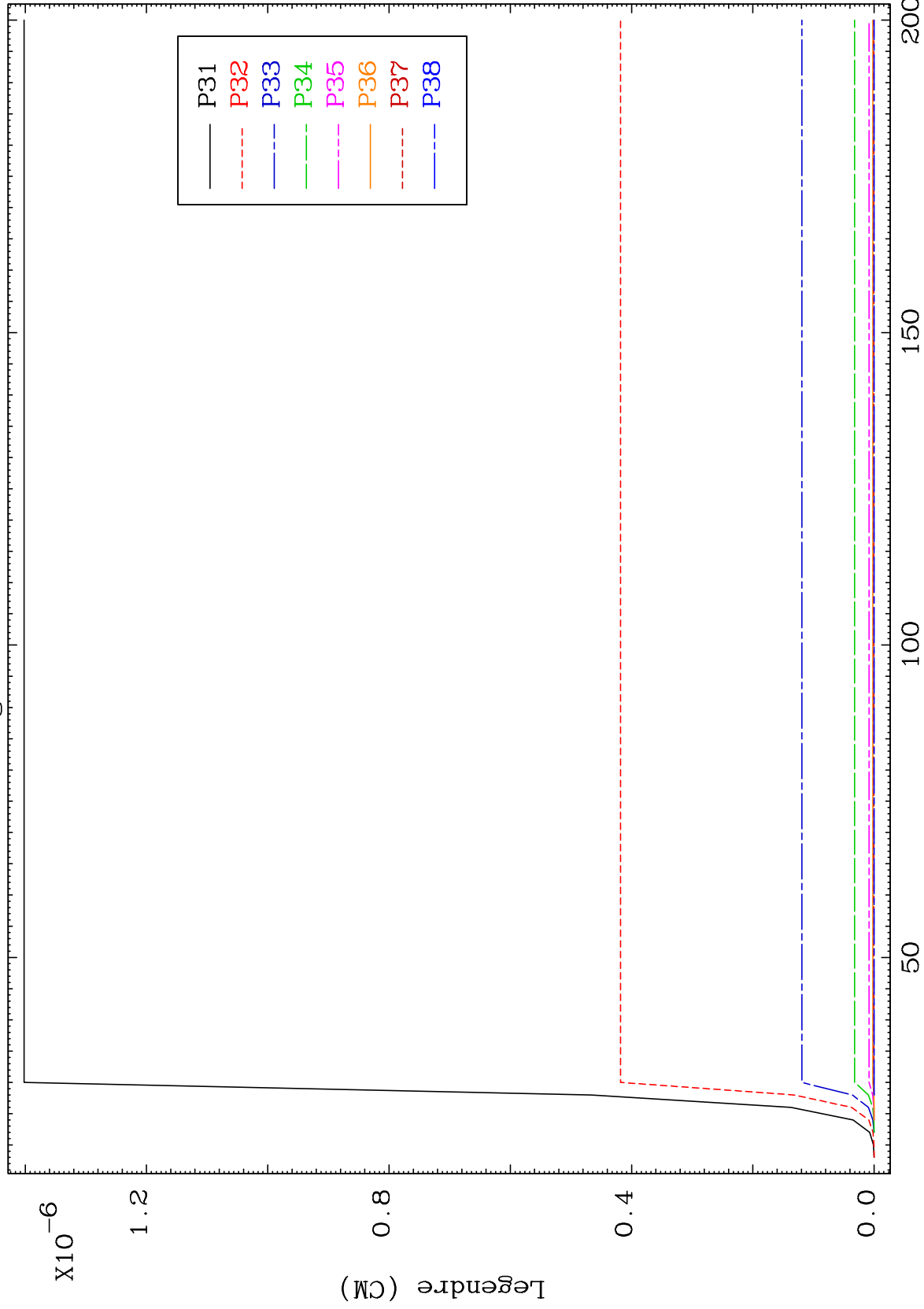
79-Au-176



MAT 7862

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

79-Au-176



82

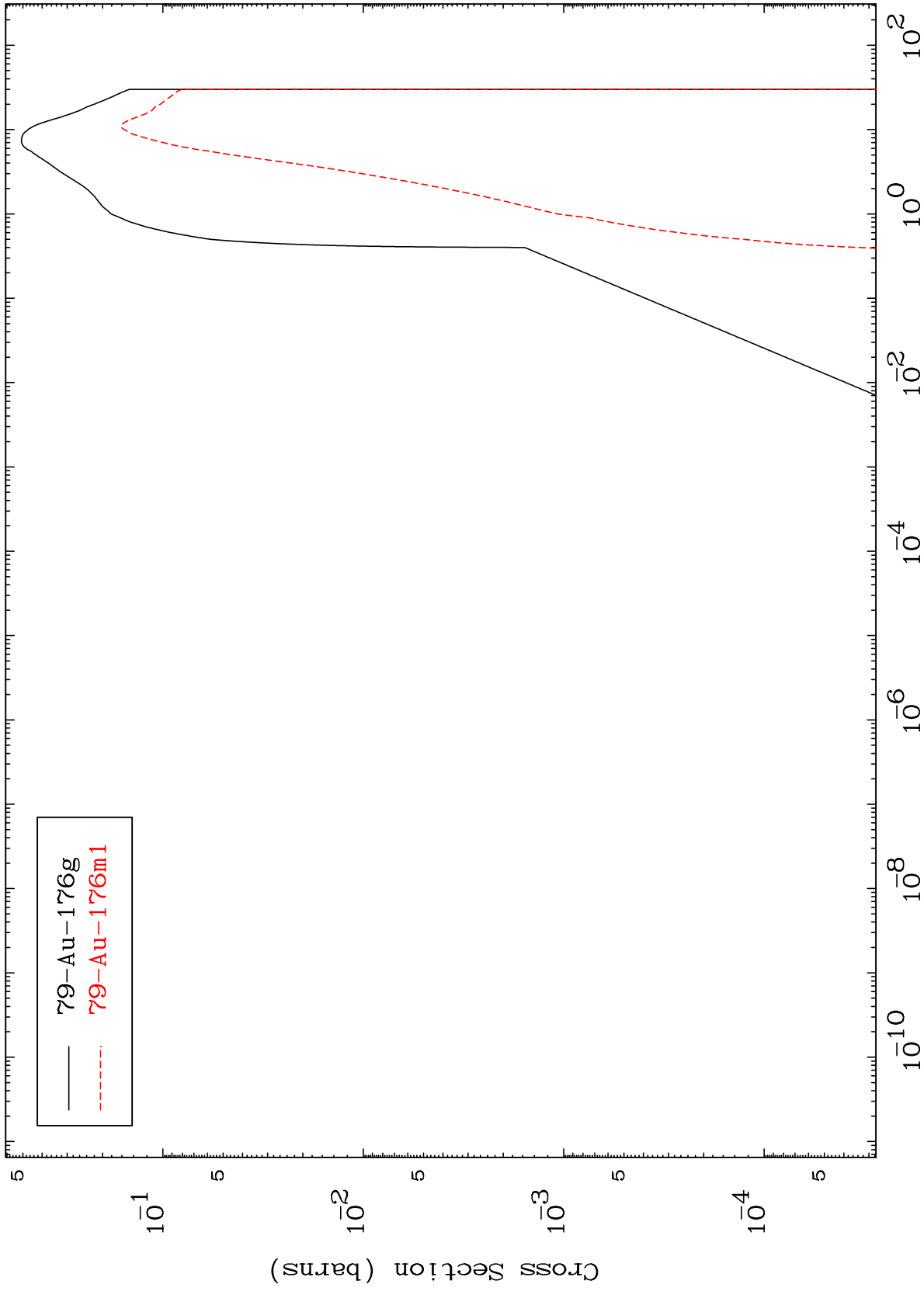
Incident Energy (MeV)

79-Au-176

MAT 7862

⁷⁹Au-176

Radionuclide Production Cross Section



83

Incident Energy (MeV)

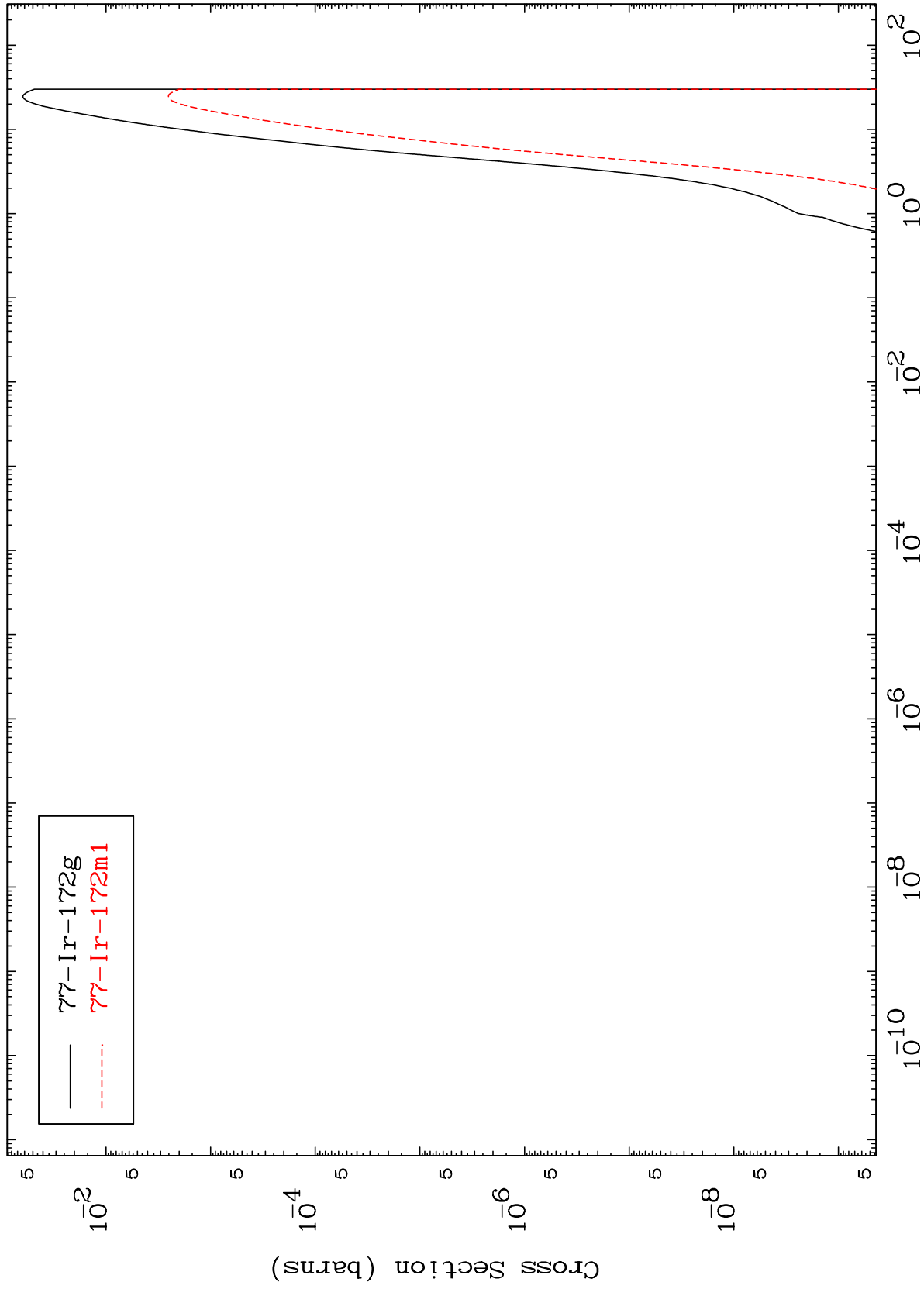
⁷⁹Au-176

MAT 7862

$(n,n') \alpha$

$^{79}\text{Au-176}$

Radionuclide Production Cross Section



84

Incident Energy (MeV)

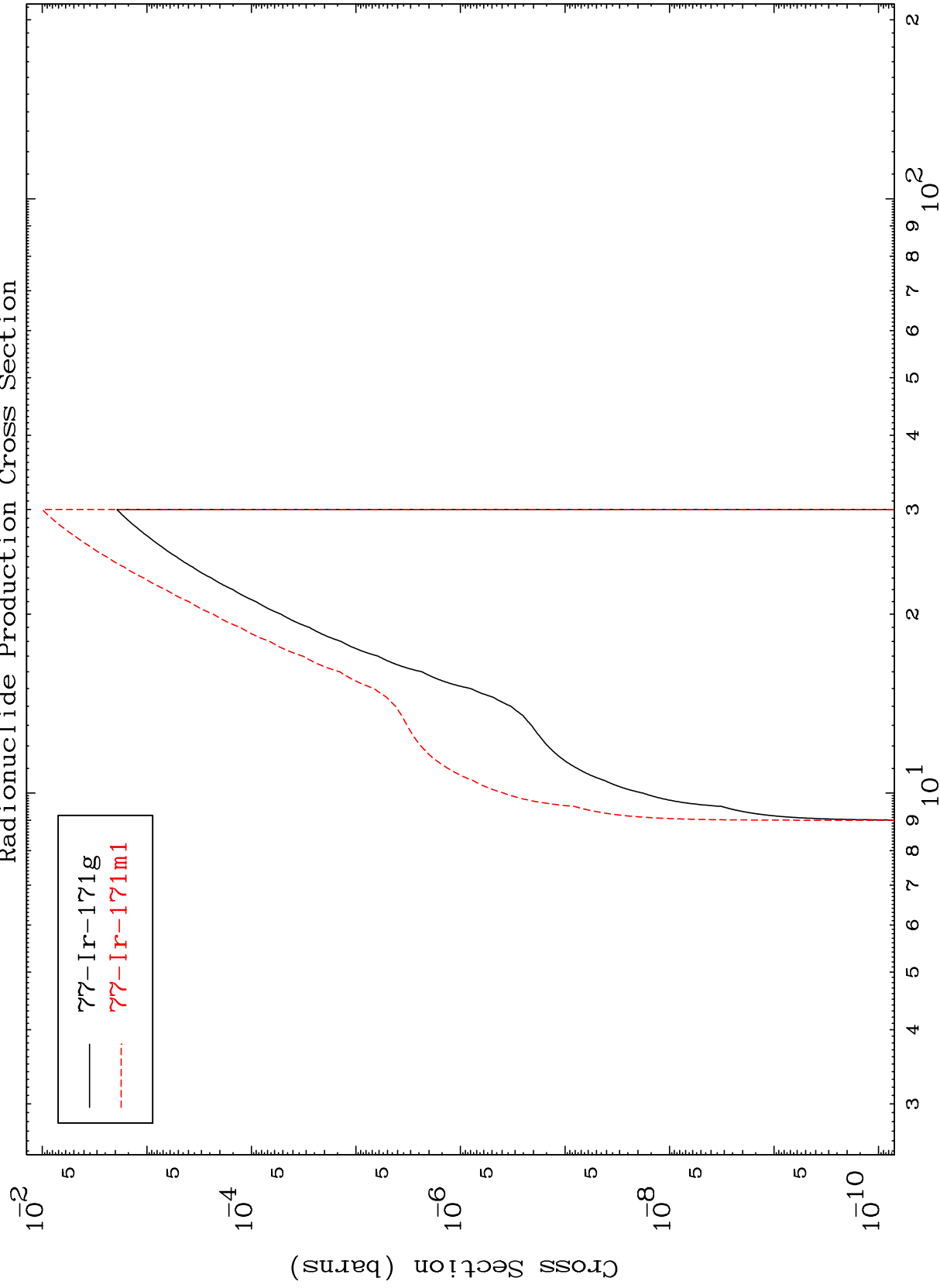
$^{79}\text{Au-176}$

MAT 7862

$(n,2n) \alpha$

$^{79}\text{Au-176}$

Radionuclide Production Cross Section



85

Incident Energy (MeV)

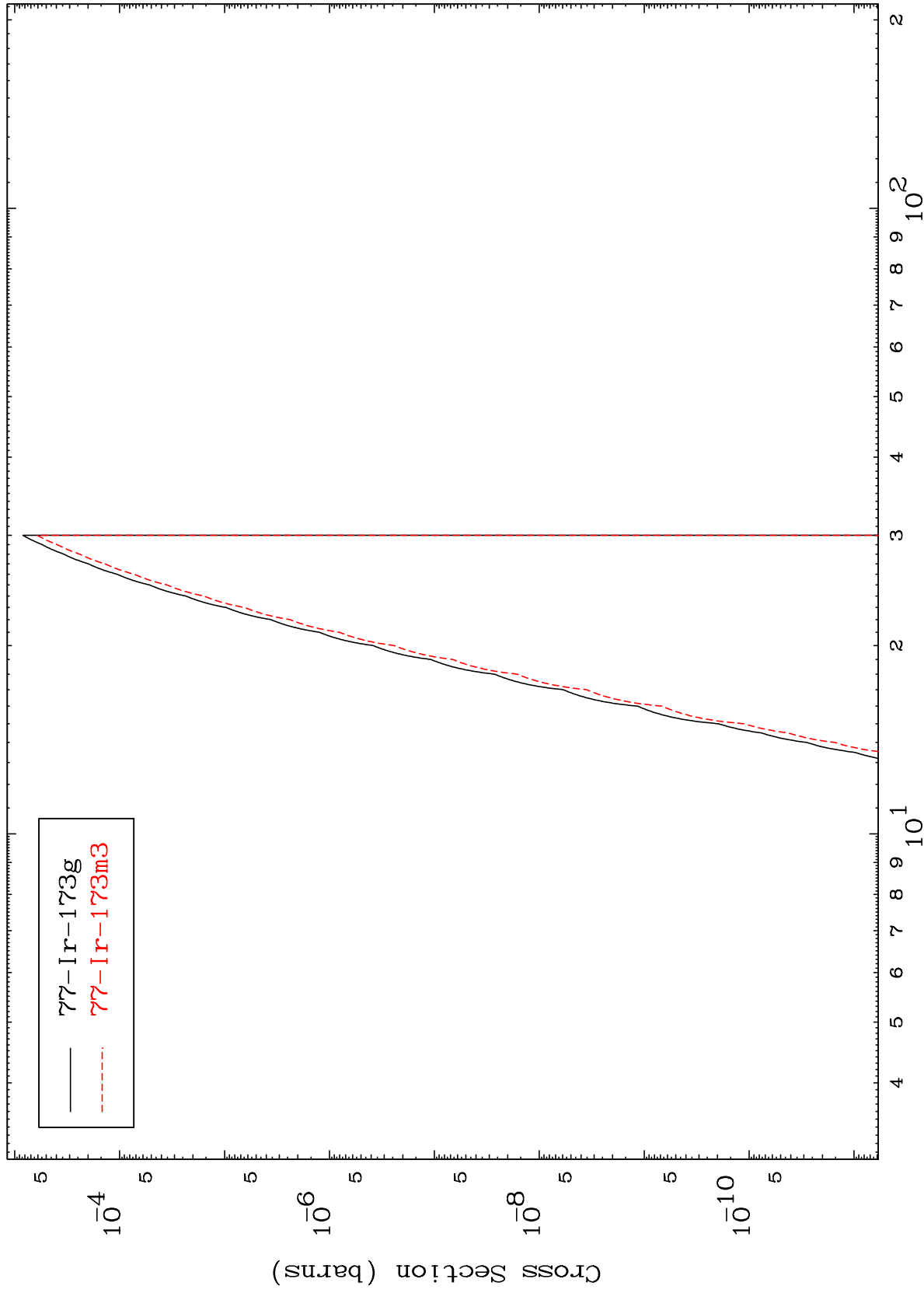
$^{79}\text{Au-176}$

MAT 7862

(n,n') He-3

79-Au-176

Radionuclide Production Cross Section



86

Incident Energy (MeV)

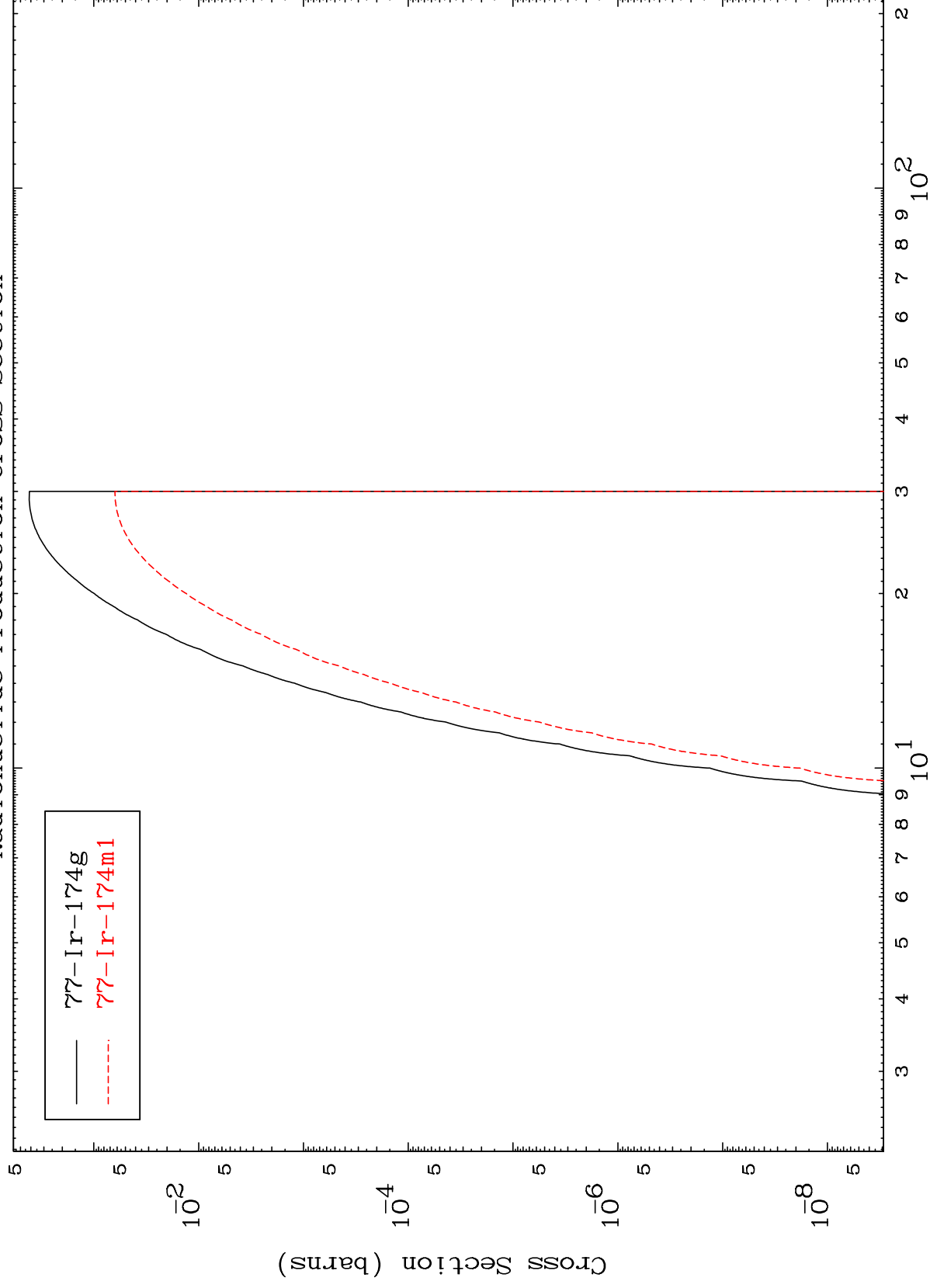
79-Au-176

MAT 7862

(n,2n) p

⁷⁹Au-176

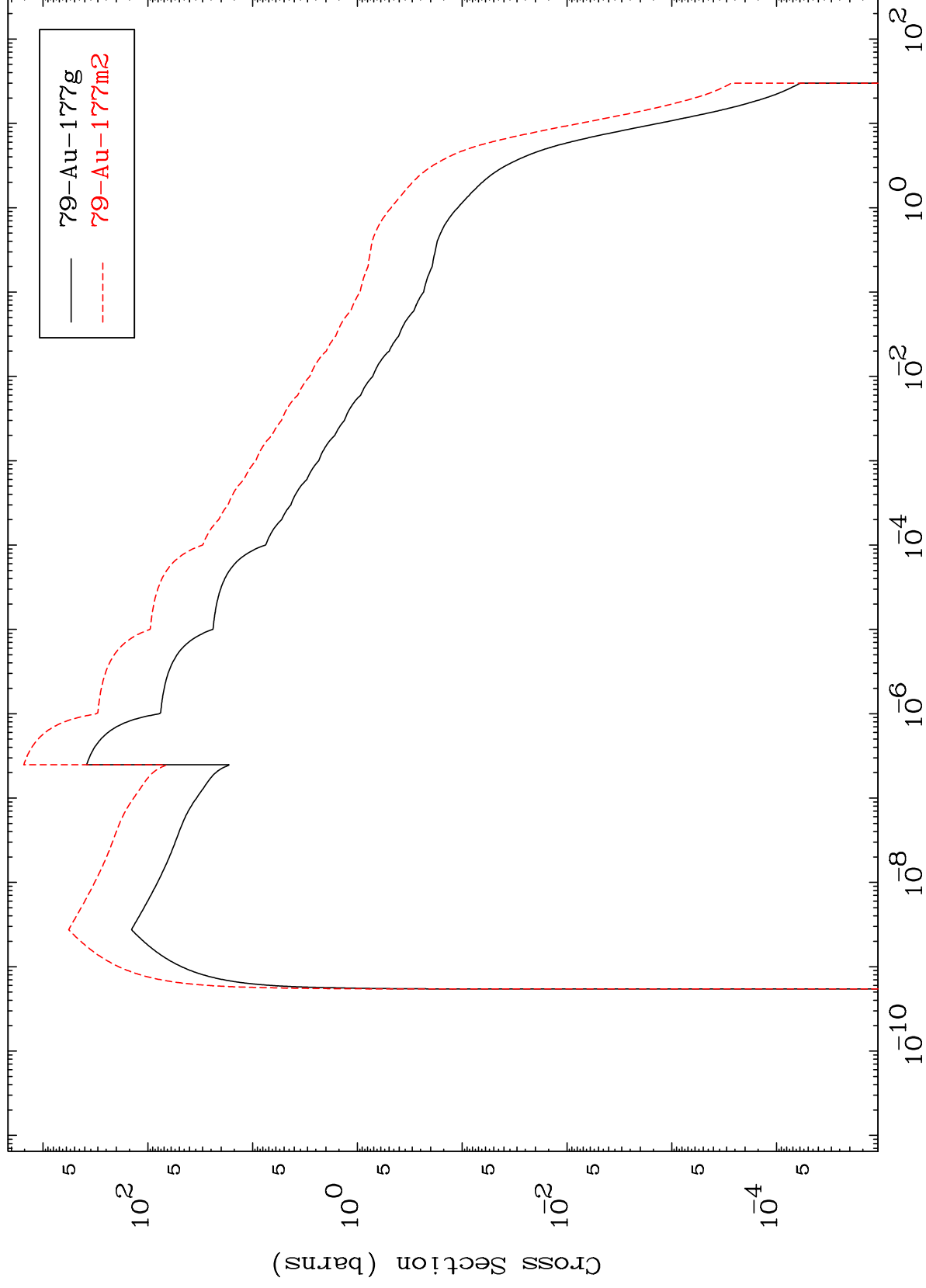
Radionuclide Production Cross Section



87

Incident Energy (MeV)

⁷⁹Au-176

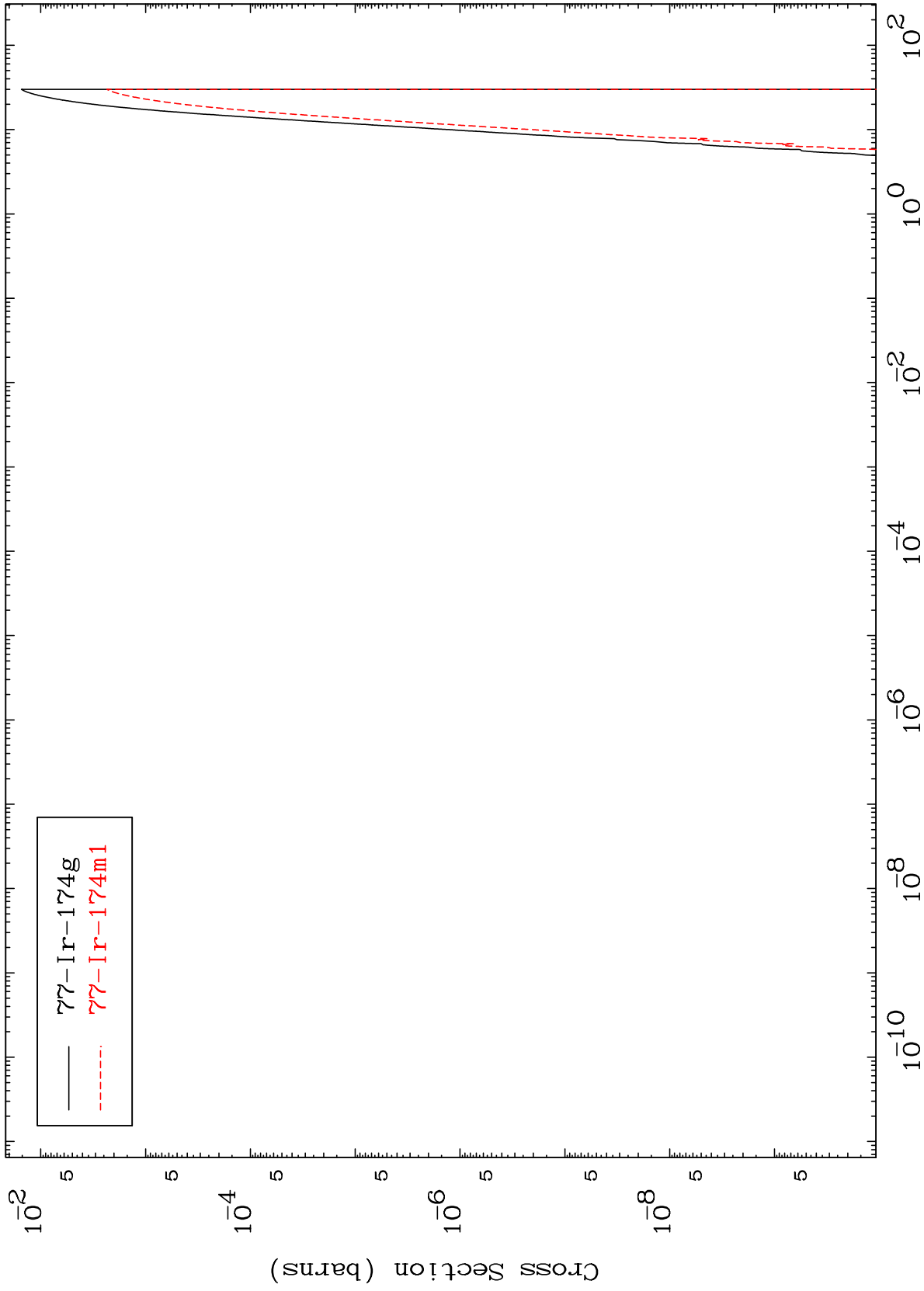
(n, γ)
Radionuclide Production Cross Section

MAT 7862

(n,He-3)

⁷⁹Au-176

Radionuclide Production Cross Section



89

Incident Energy (MeV)

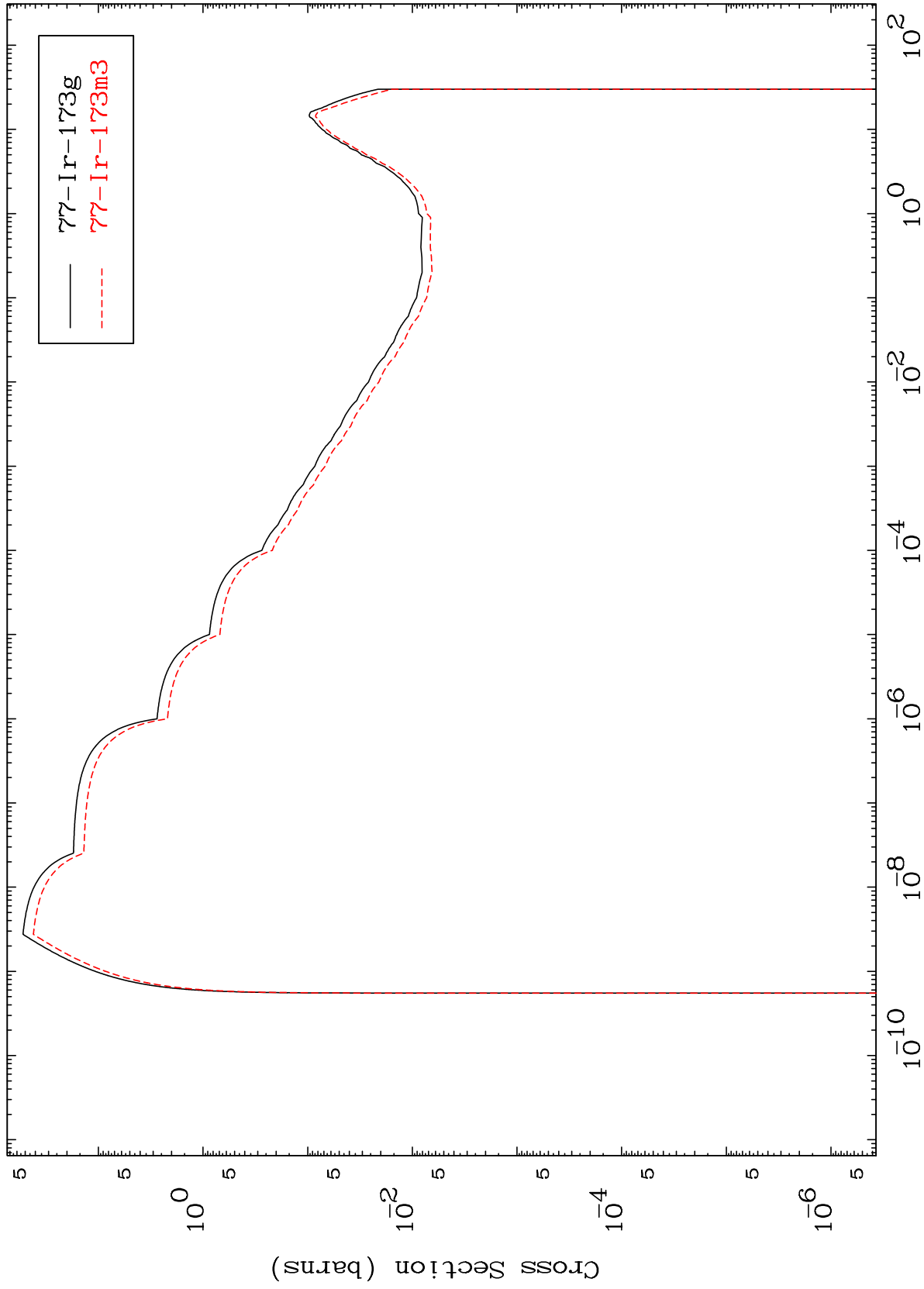
⁷⁹Au-176

MAT 7862

(n, α)

79-Au-176

Radionuclide Production Cross Section



90

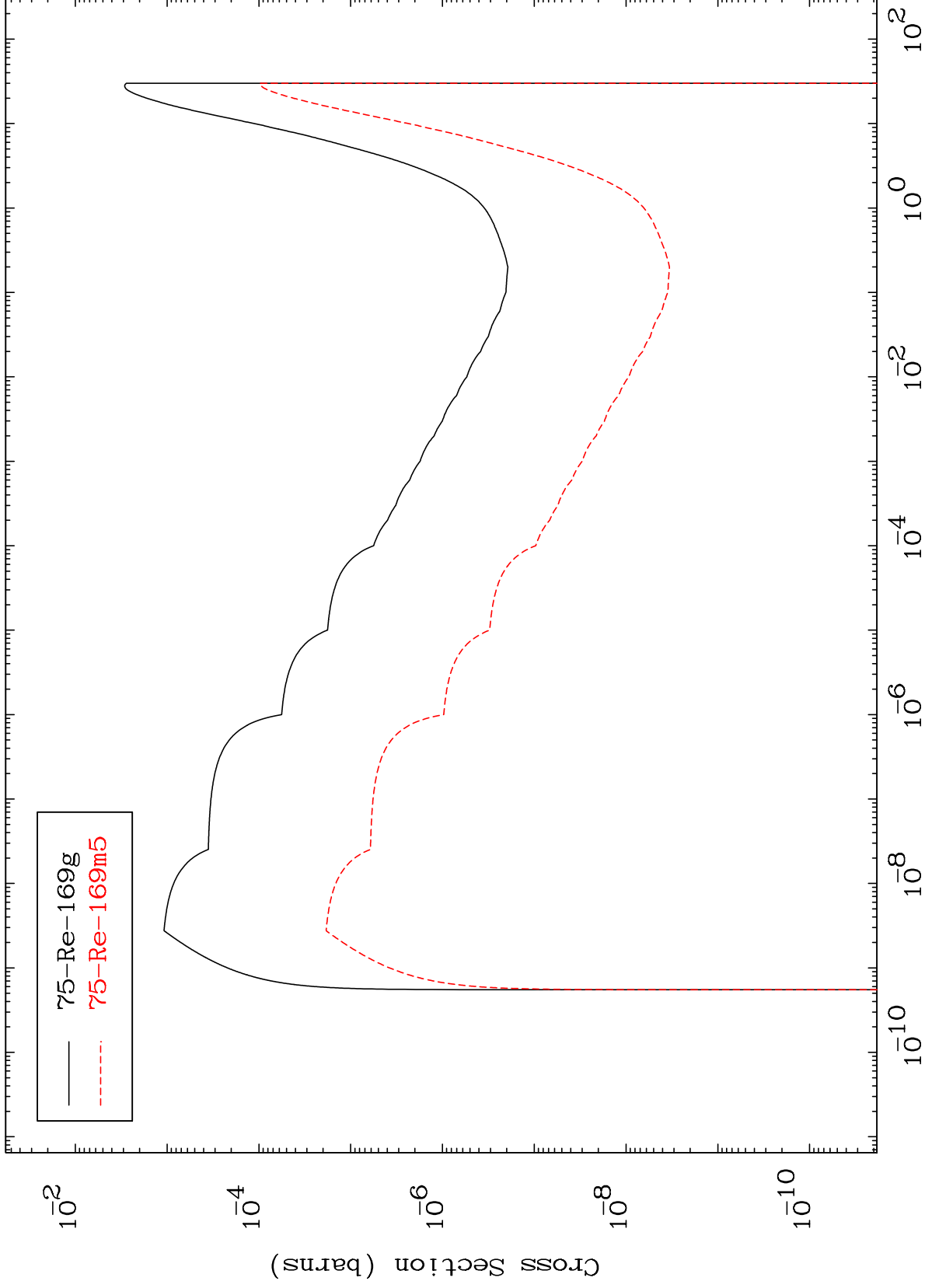
Incident Energy (MeV)

79-Au-176

MAT 7862

Radionuclide Production Cross Section
(n,2α)

⁷⁹Au-176



91

Incident Energy (MeV)

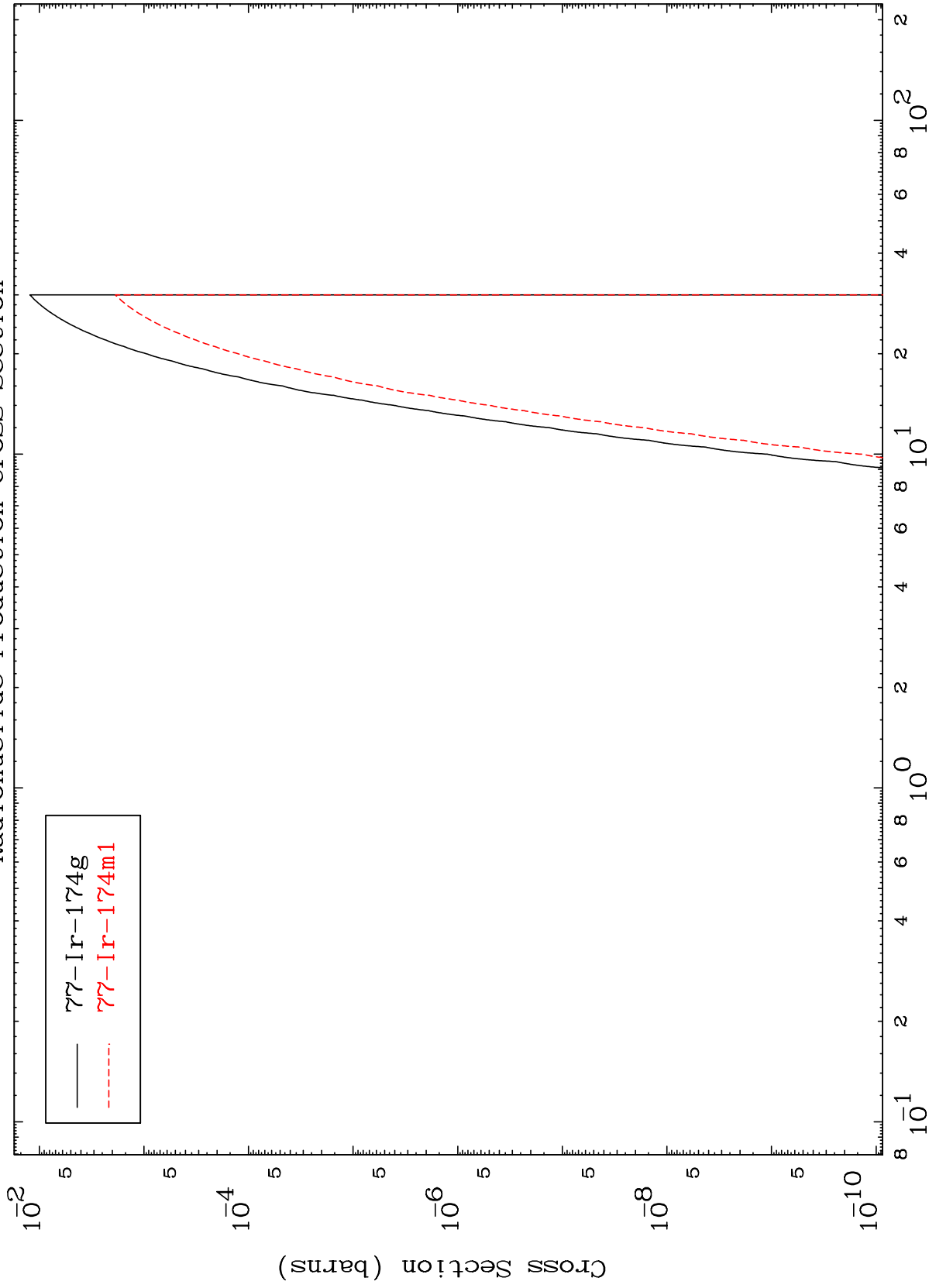
⁷⁹Au-176

MAT 7862

(n,p) d

⁷⁹Au-176

Radionuclide Production Cross Section



92

Incident Energy (MeV)

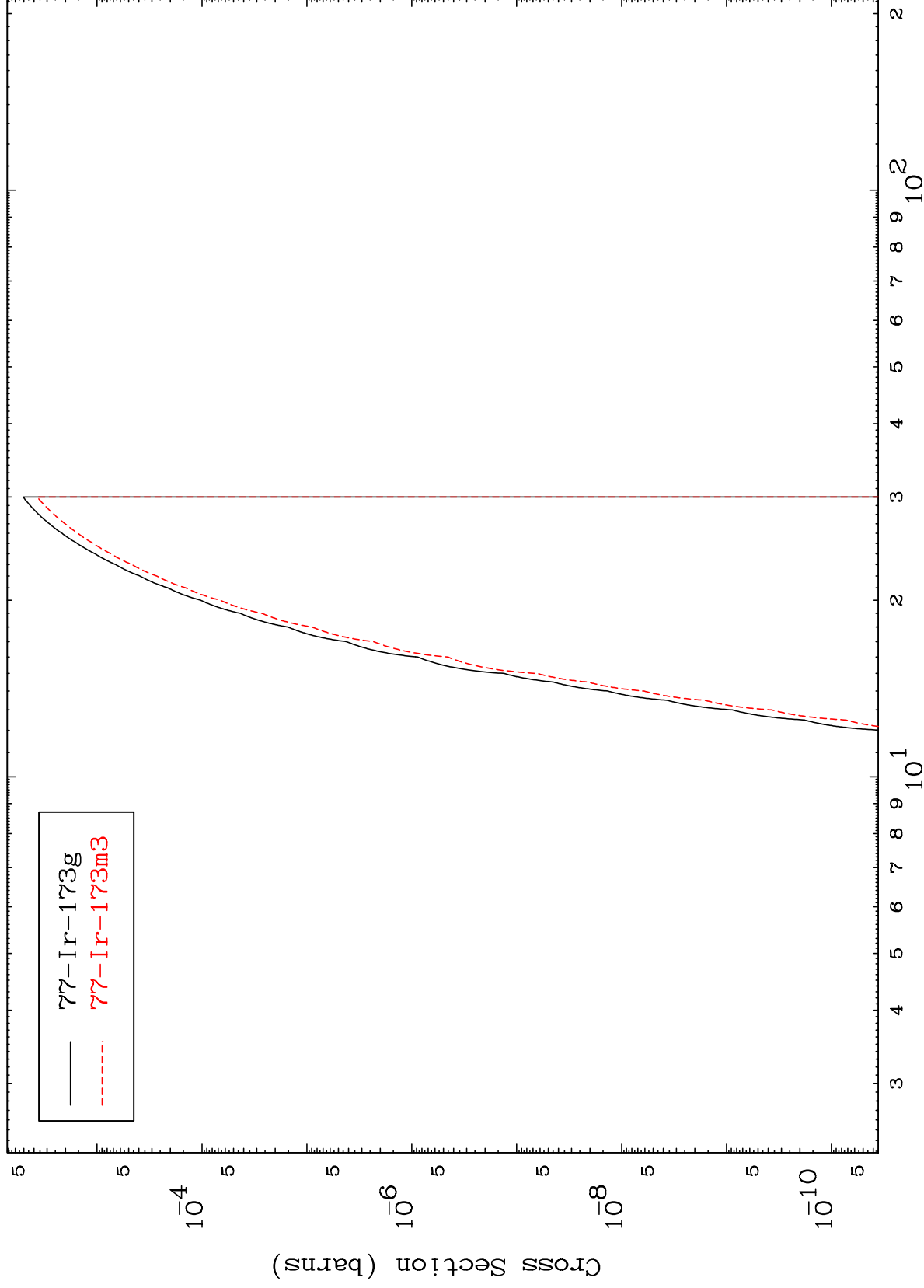
⁷⁹Au-176

MAT 7862

(n,p) t

⁷⁹Au-176

Radionuclide Production Cross Section



93

Incident Energy (MeV)

⁷⁹Au-176