

Program EVALPLOT
(Version 2017-1)

by

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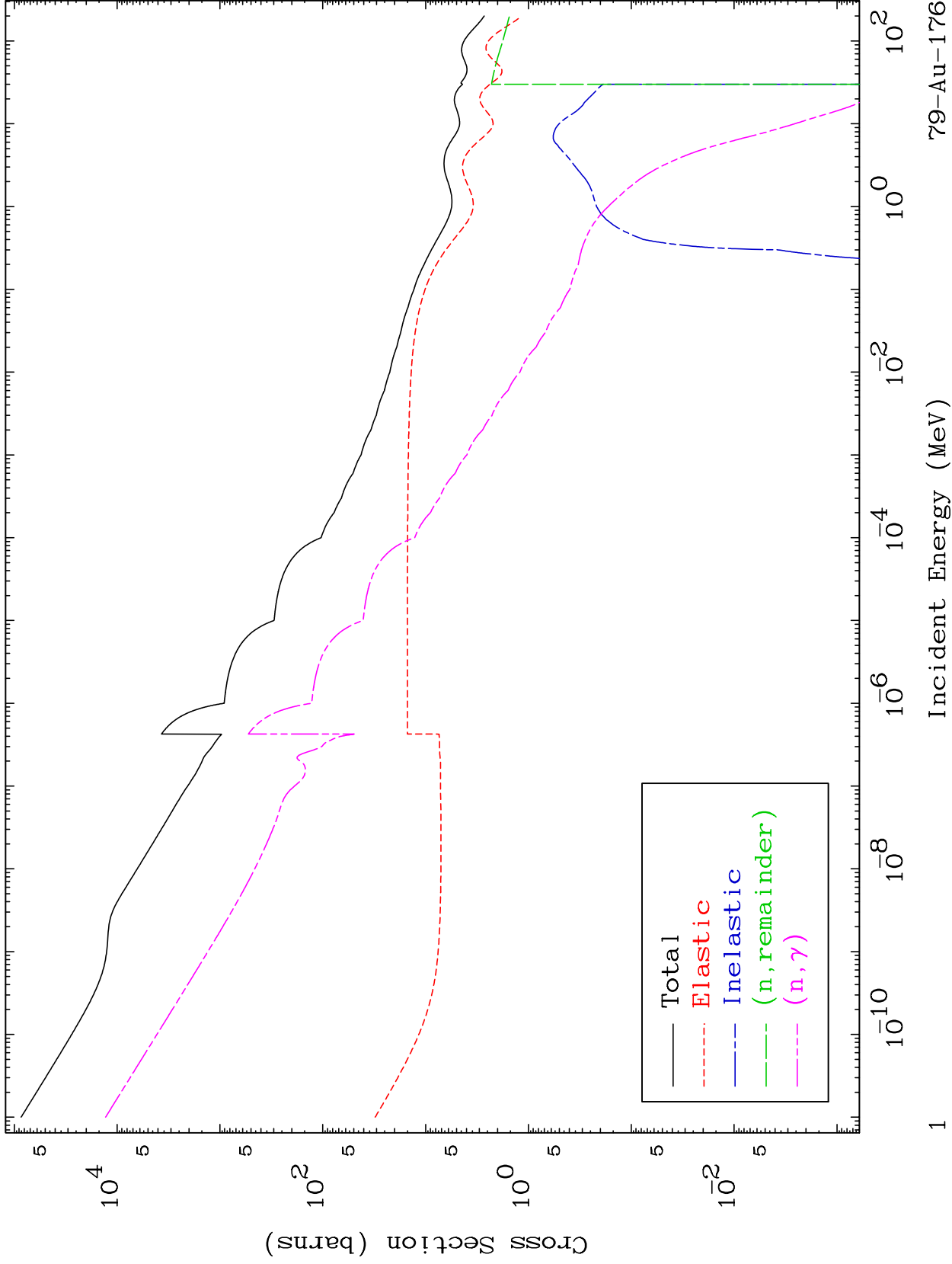
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Press Mouse Button to Start

MAT 7862

Major
293 Kelvin Cross Sections

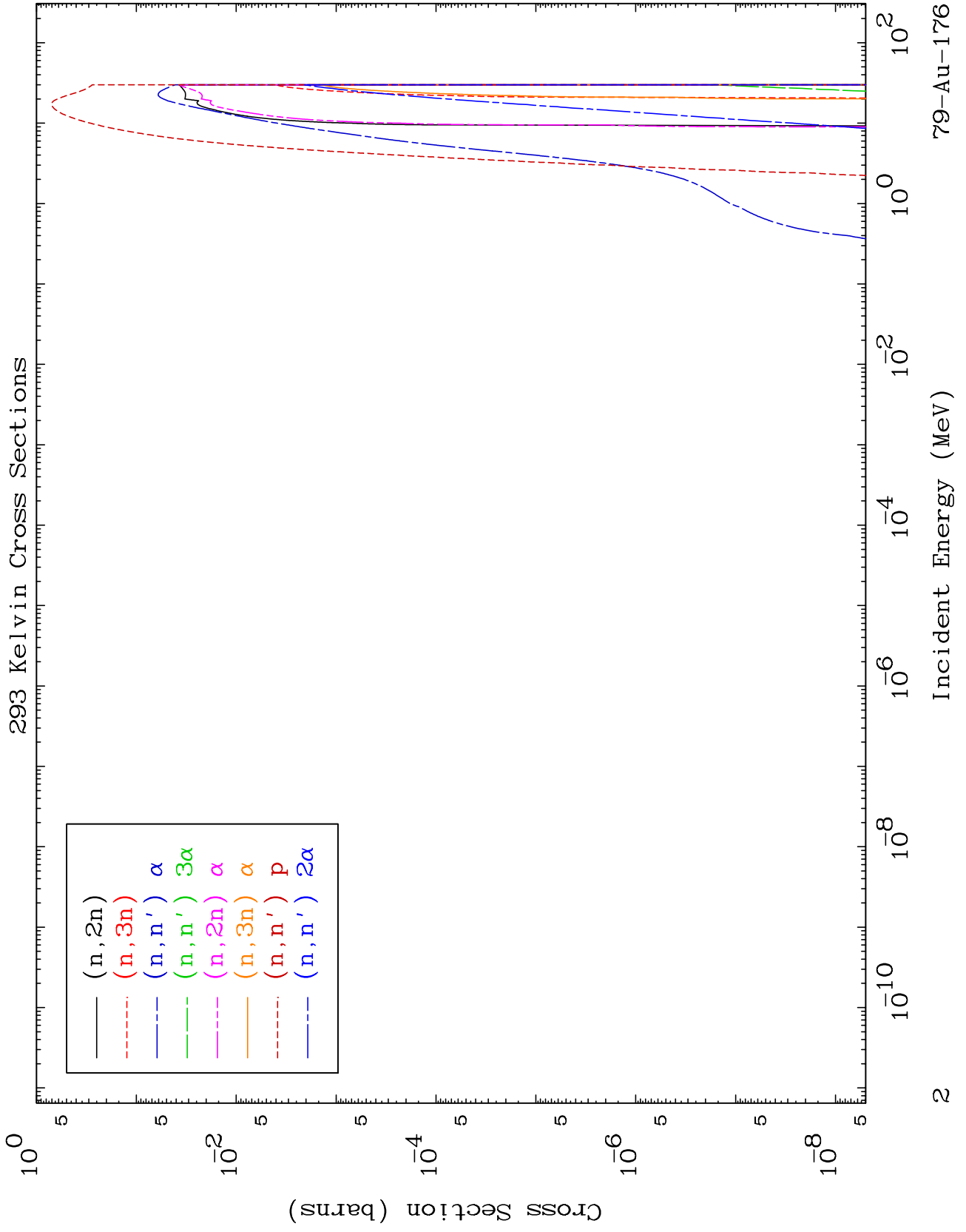
79-Au-176



MAT 7862

Neutron Production
293 Kelvin Cross Sections

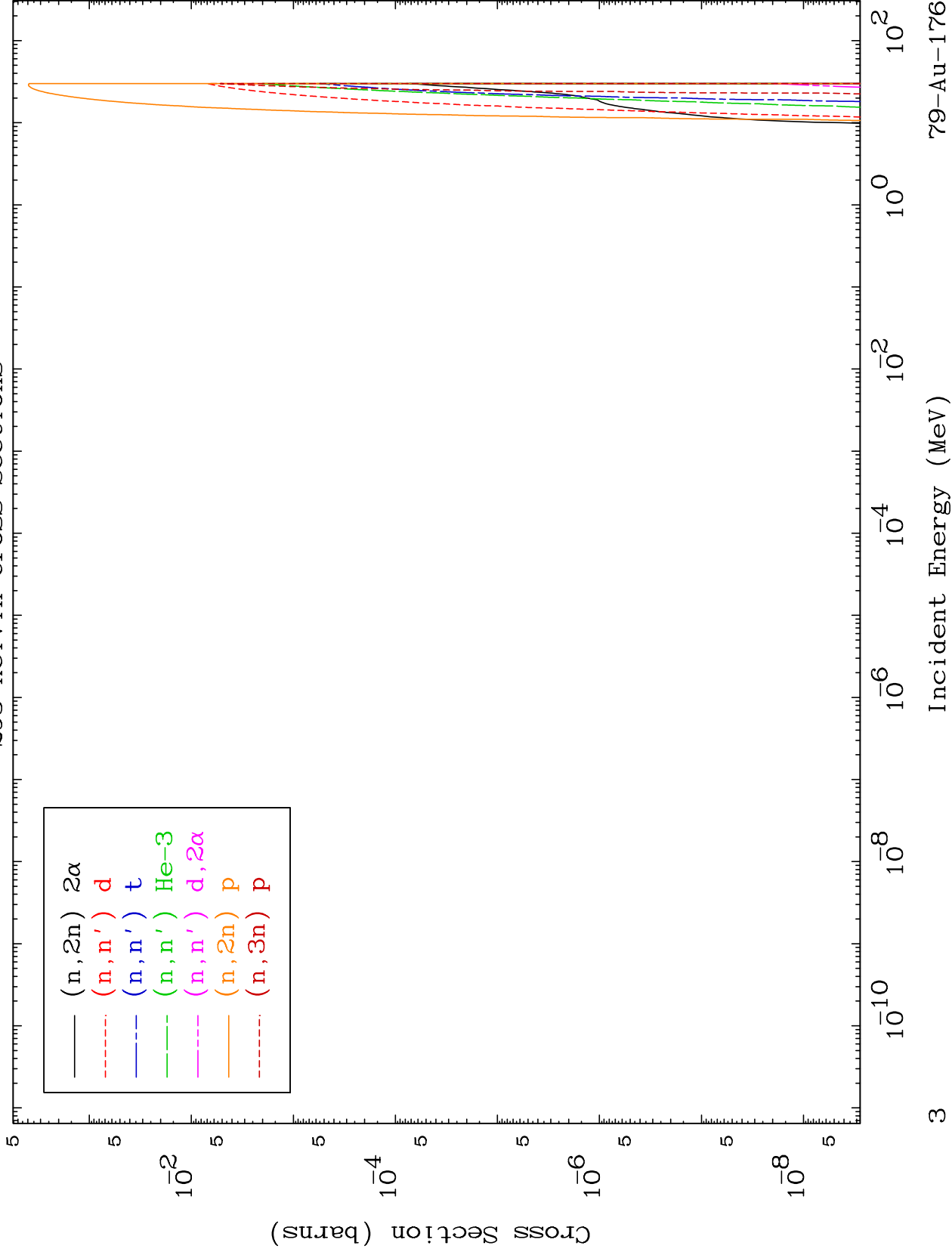
79-Au-176



MAT 7862

Neutron Production
293 Kelvin Cross Sections

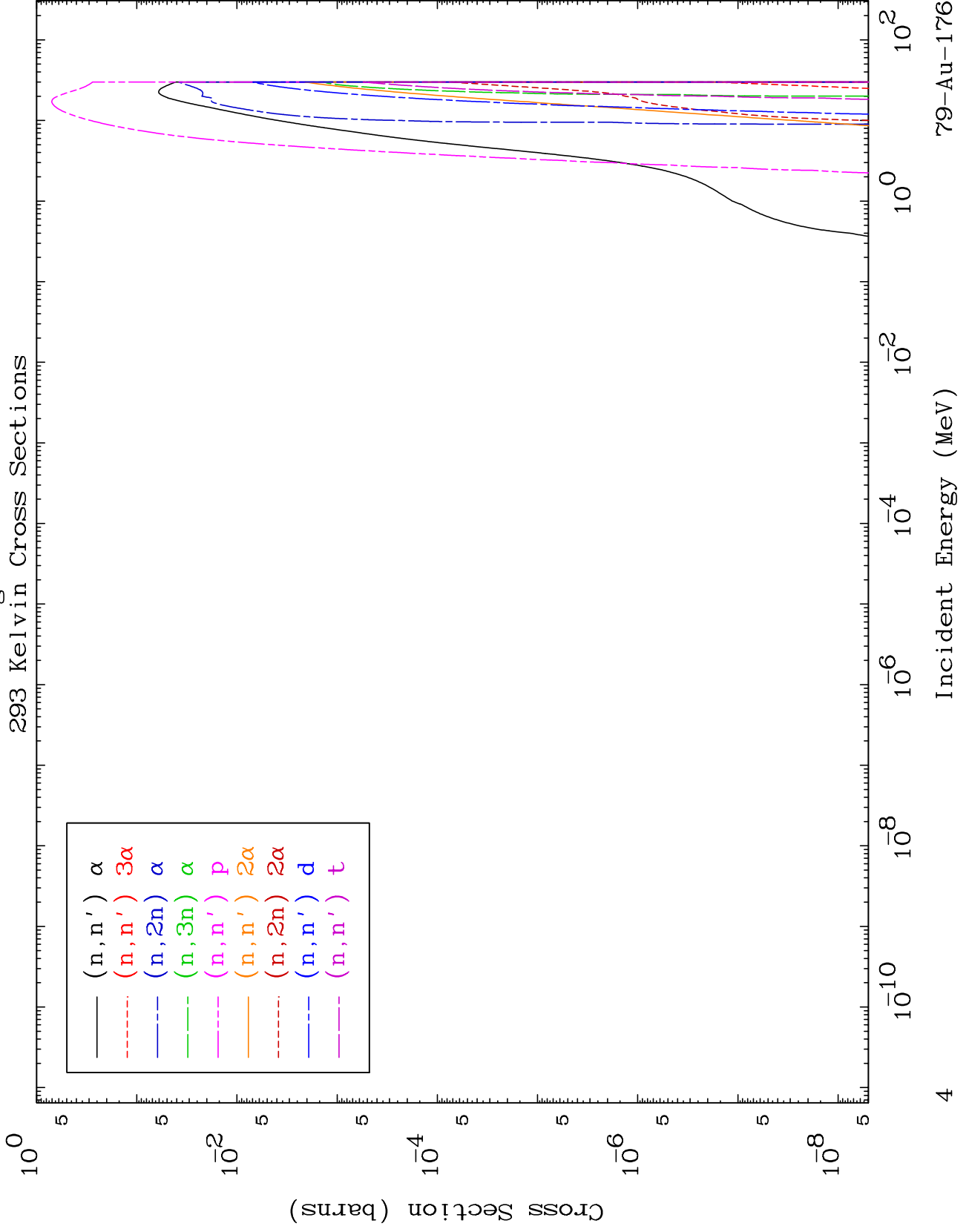
79-Au-176



MAT 7862

Charged Particle
293 Kelvin Cross Sections

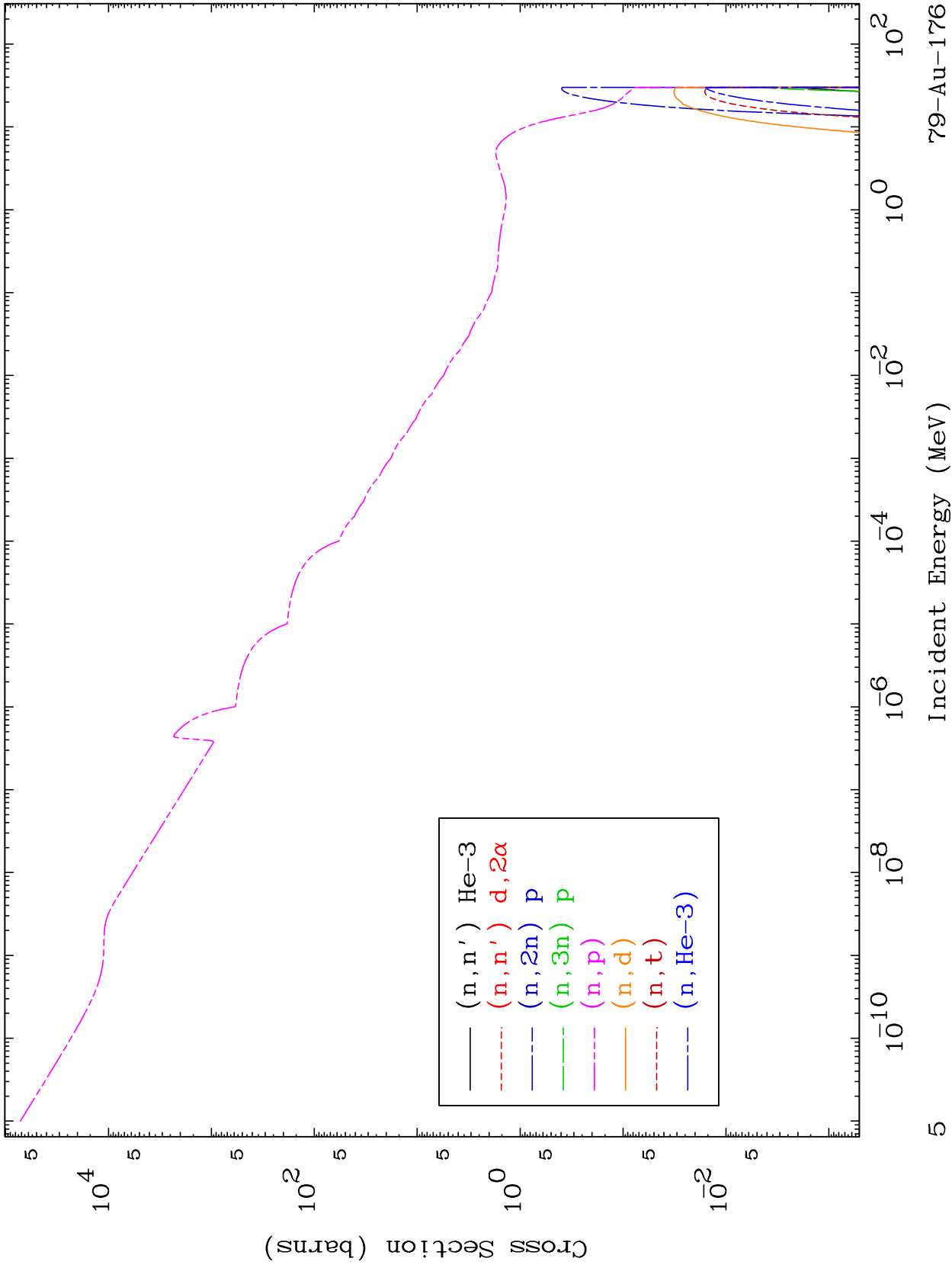
79-Au-176

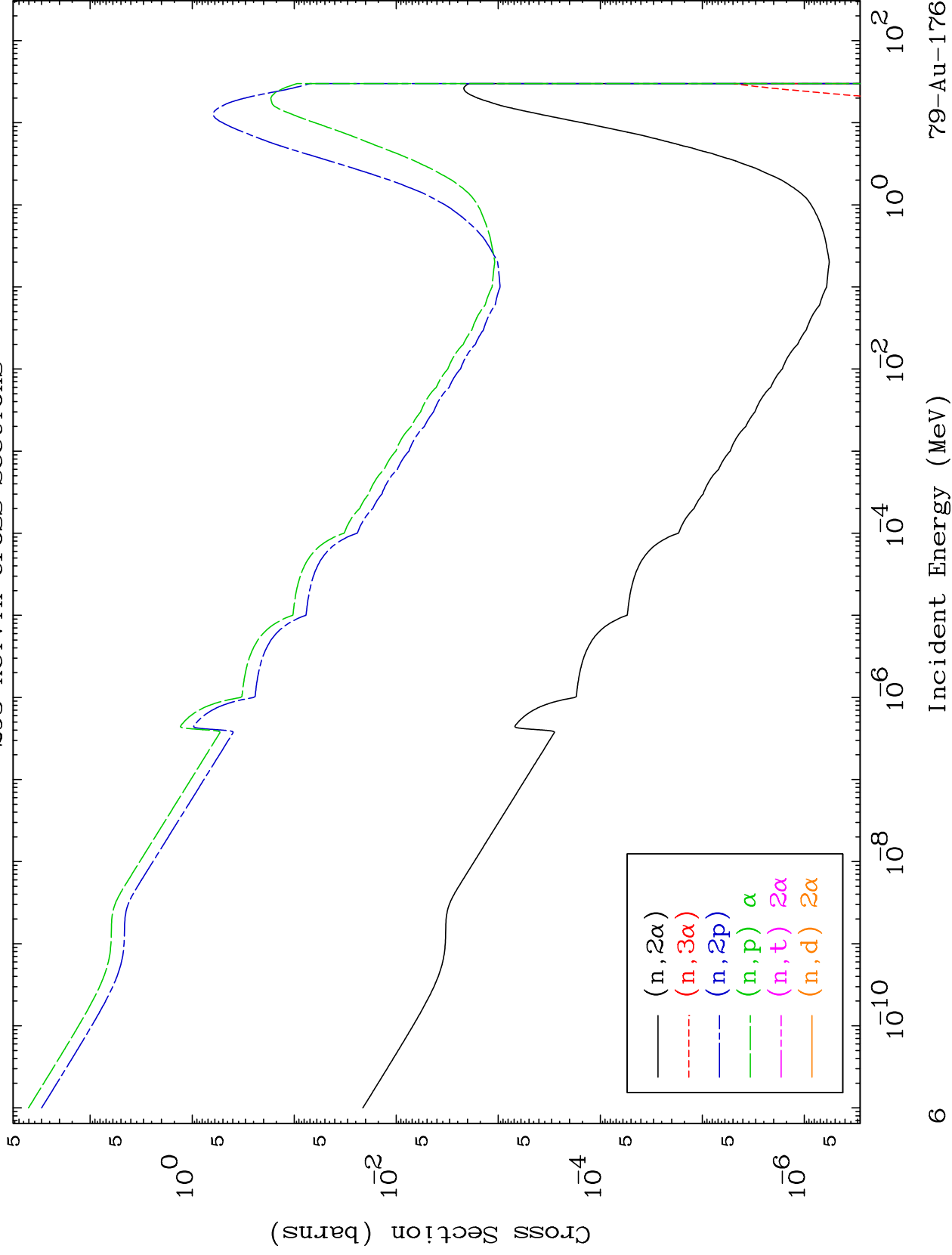


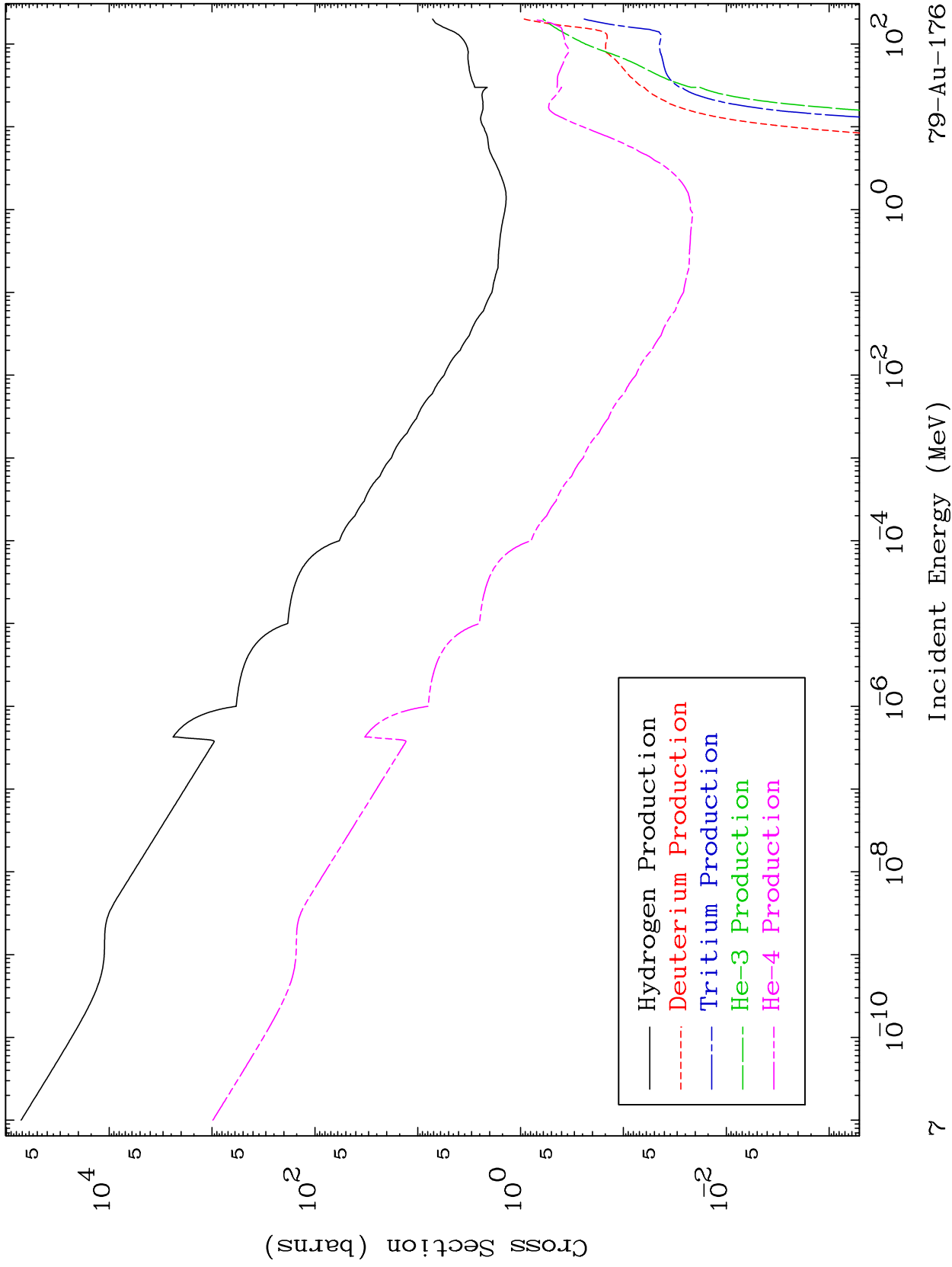
MAT 7862

Charged Particle
293 Kelvin Cross Sections

79-Au-176





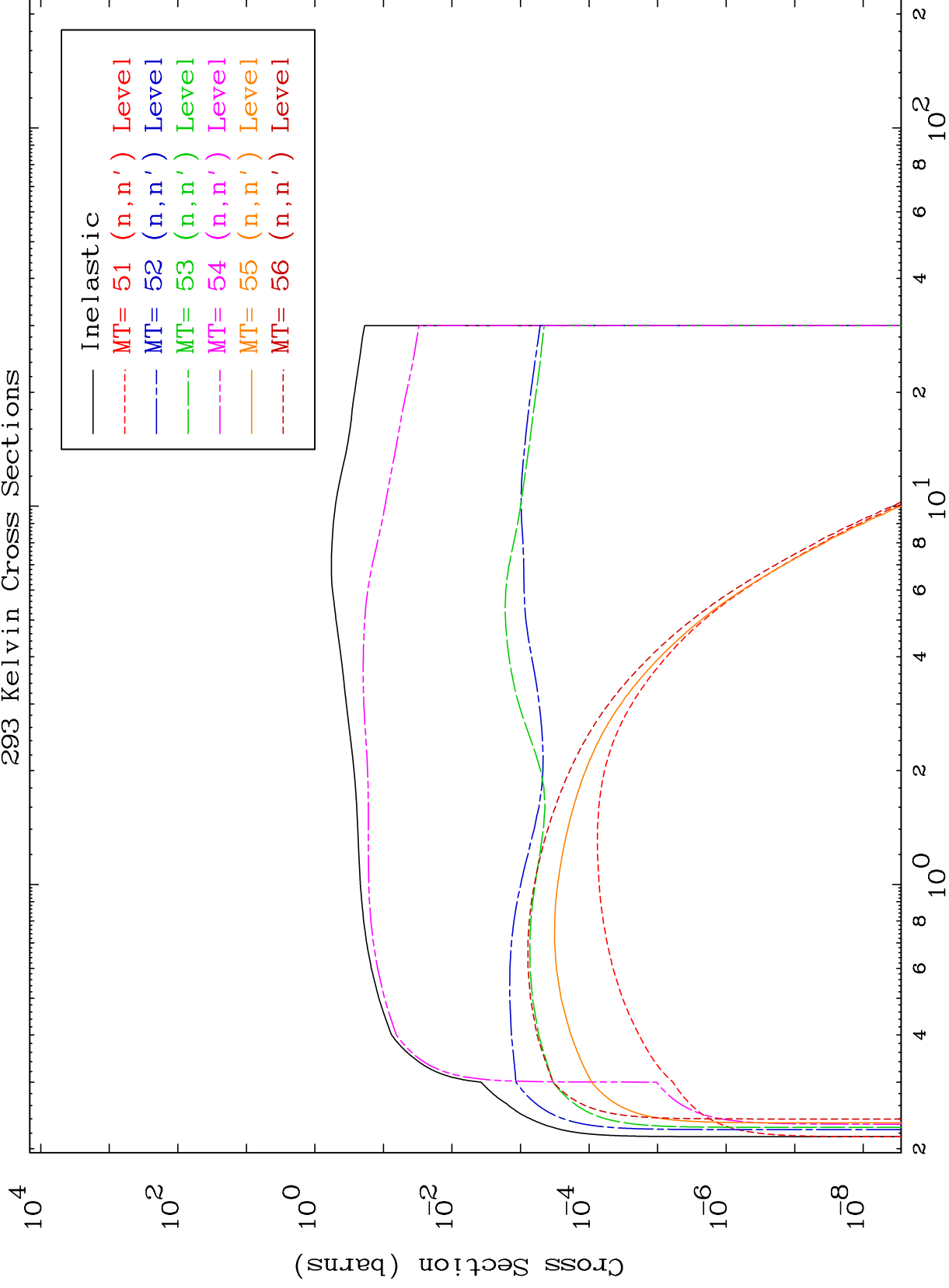


MAT 7862

(n,n') Level

293 Kelvin Cross Sections

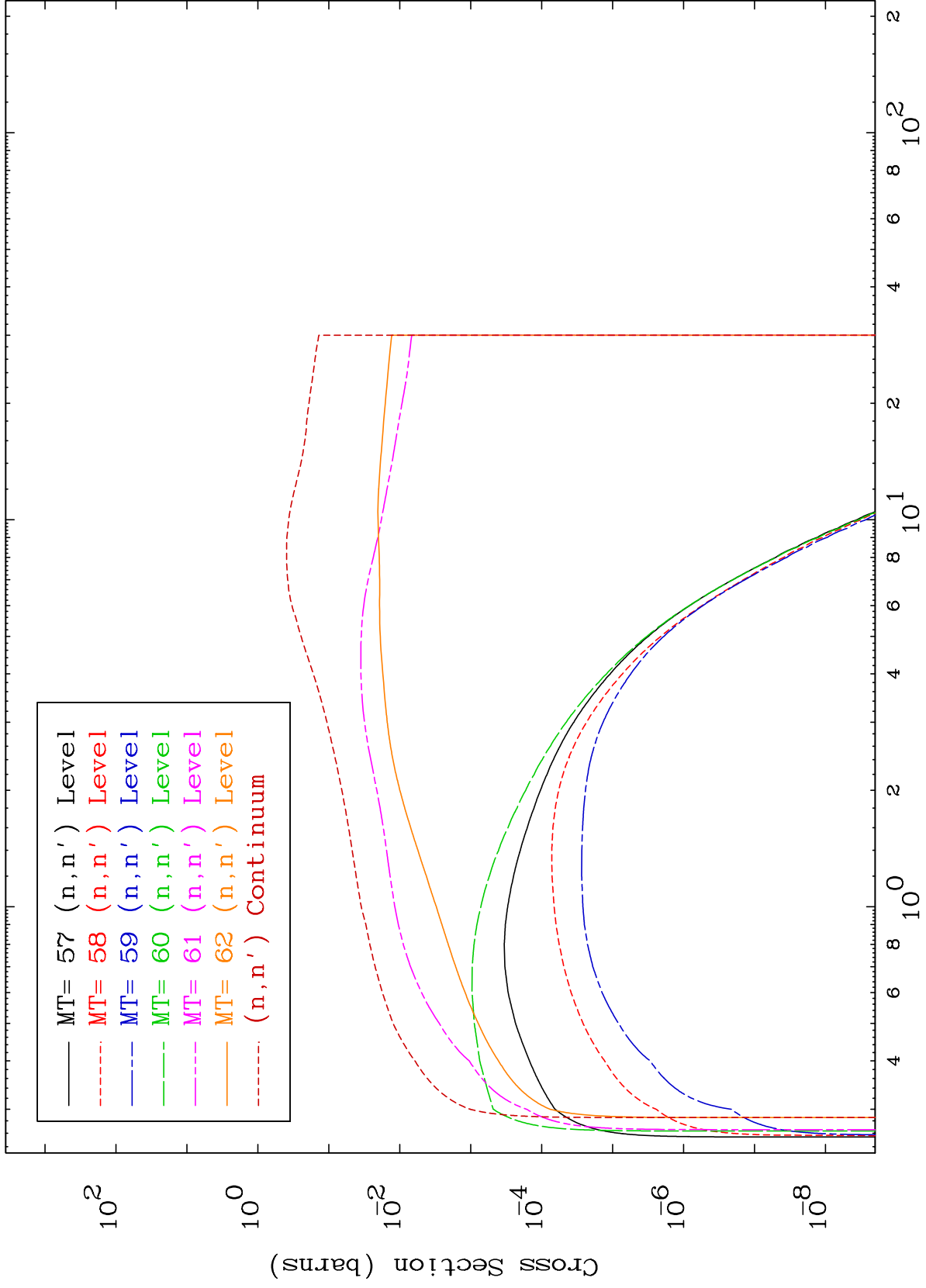
79-Au-176



8

Incident Energy (MeV)

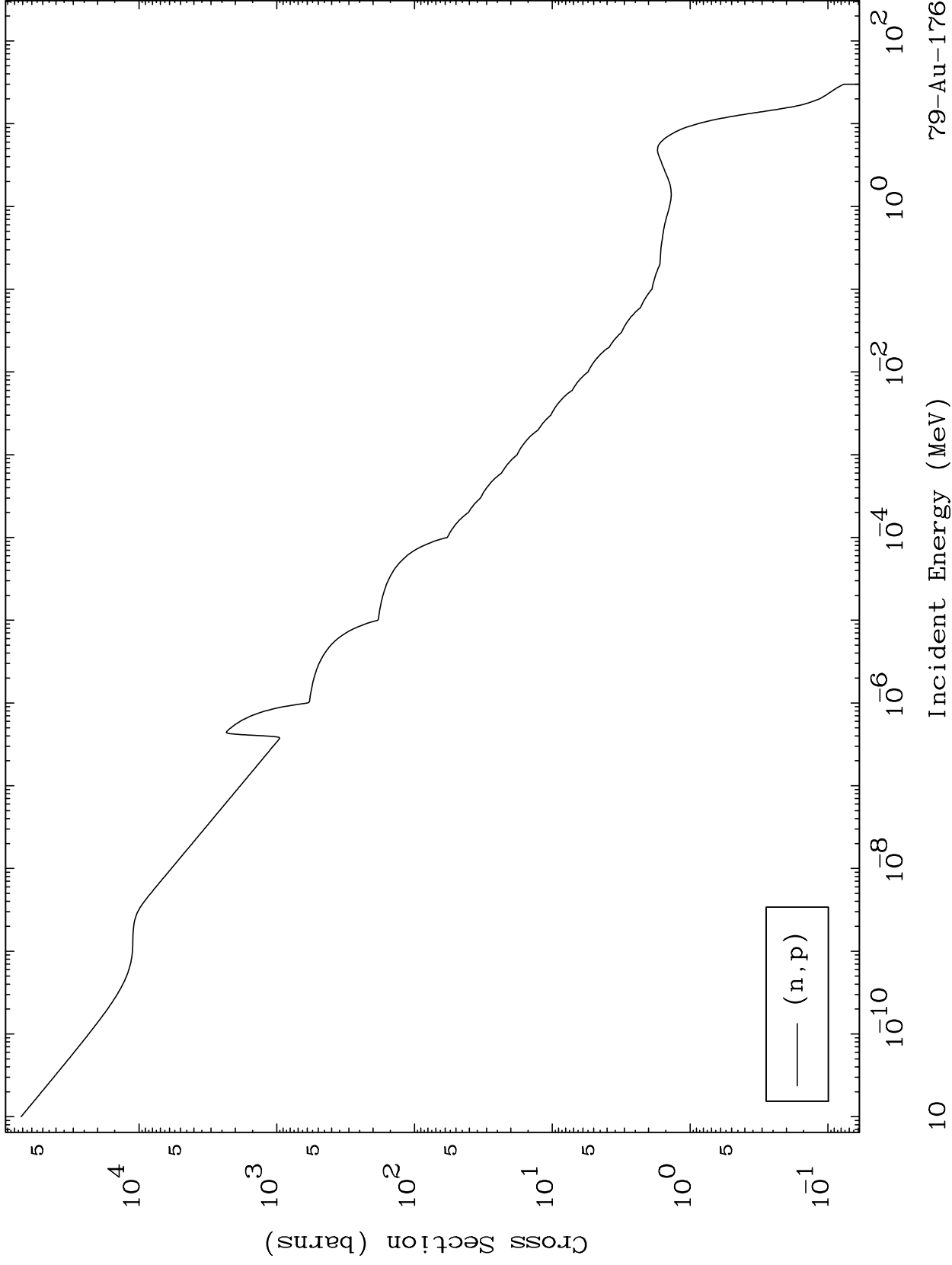
79-Au-176



MAT 7862

(n,p) Levels
293 Kelvin Cross Sections

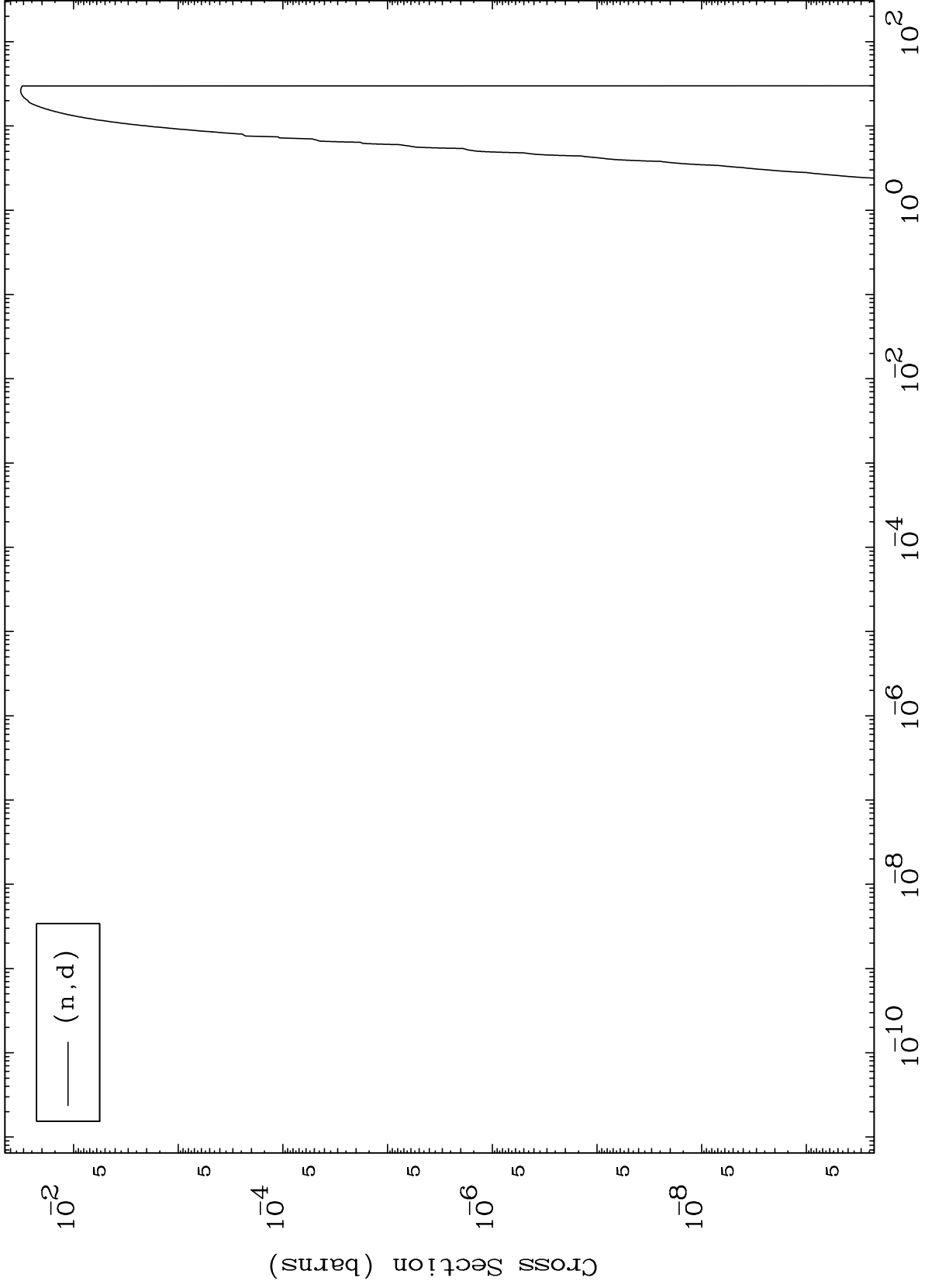
79-Au-176



MAT 7862

(n,d) Levels
293 Kelvin Cross Sections

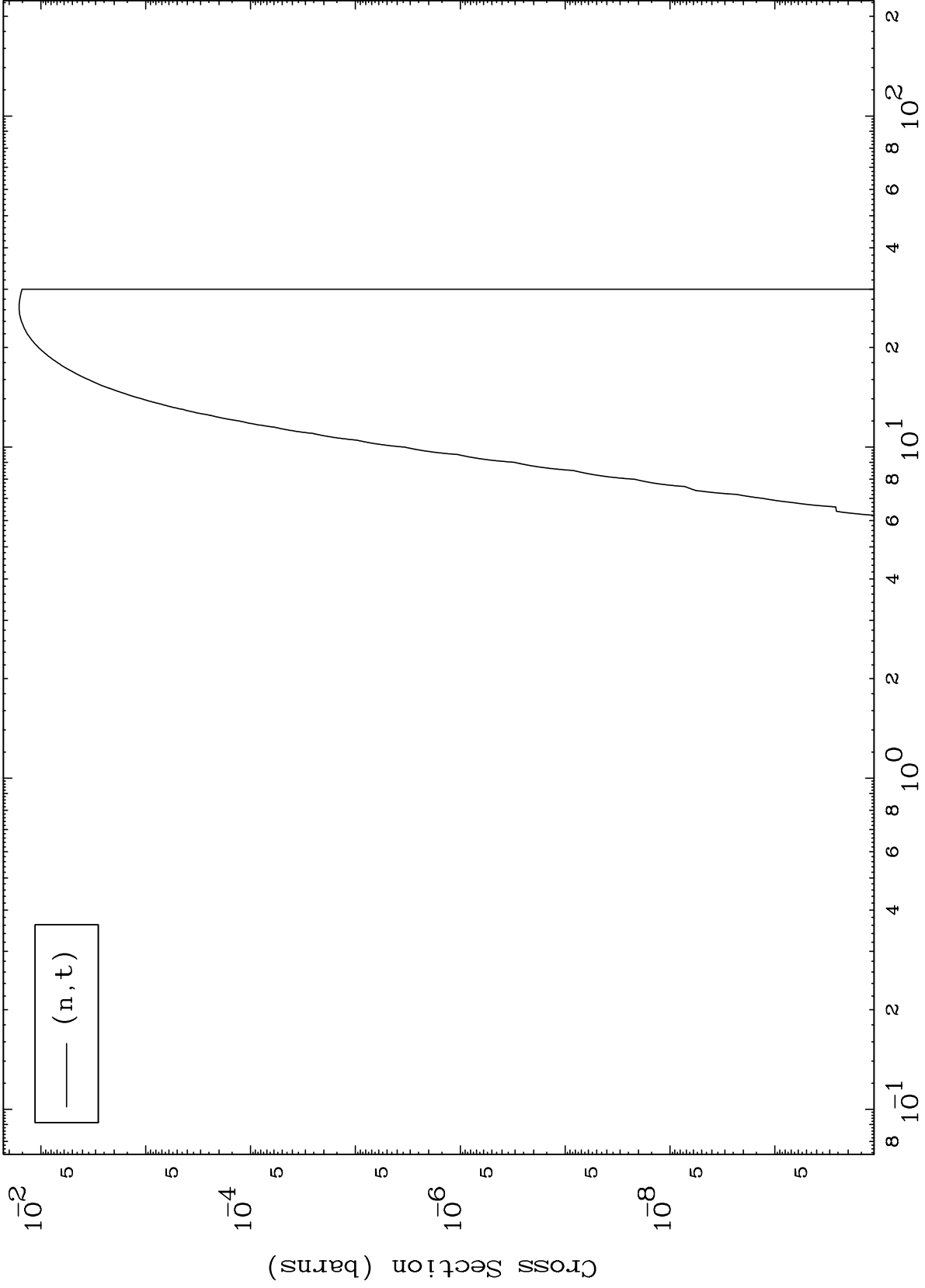
79-Au-176



MAT 7862

(n,t) Levels
293 Kelvin Cross Sections

79-Au-176



12

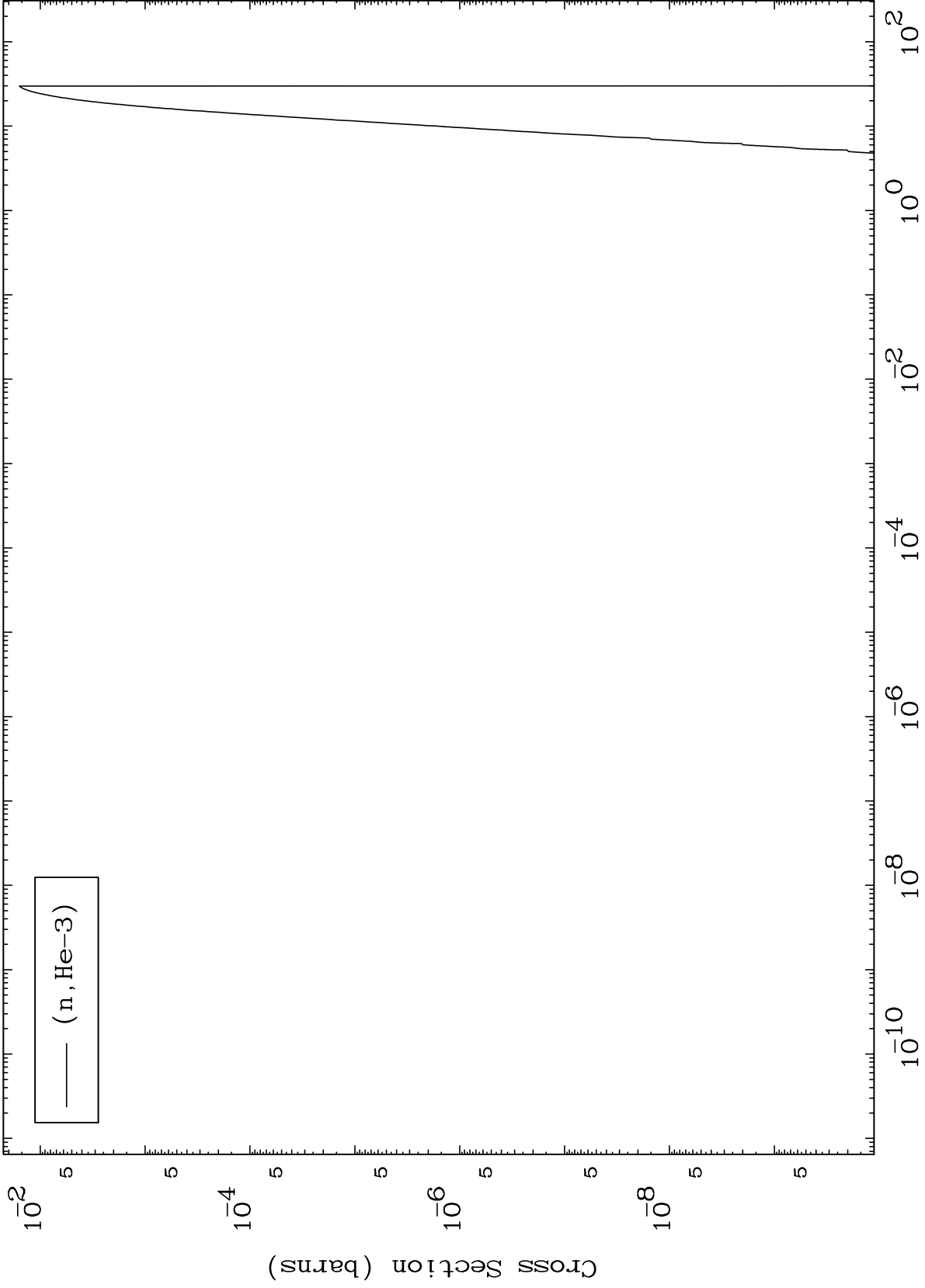
Incident Energy (MeV)

79-Au-176

MAT 7862

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-176



13

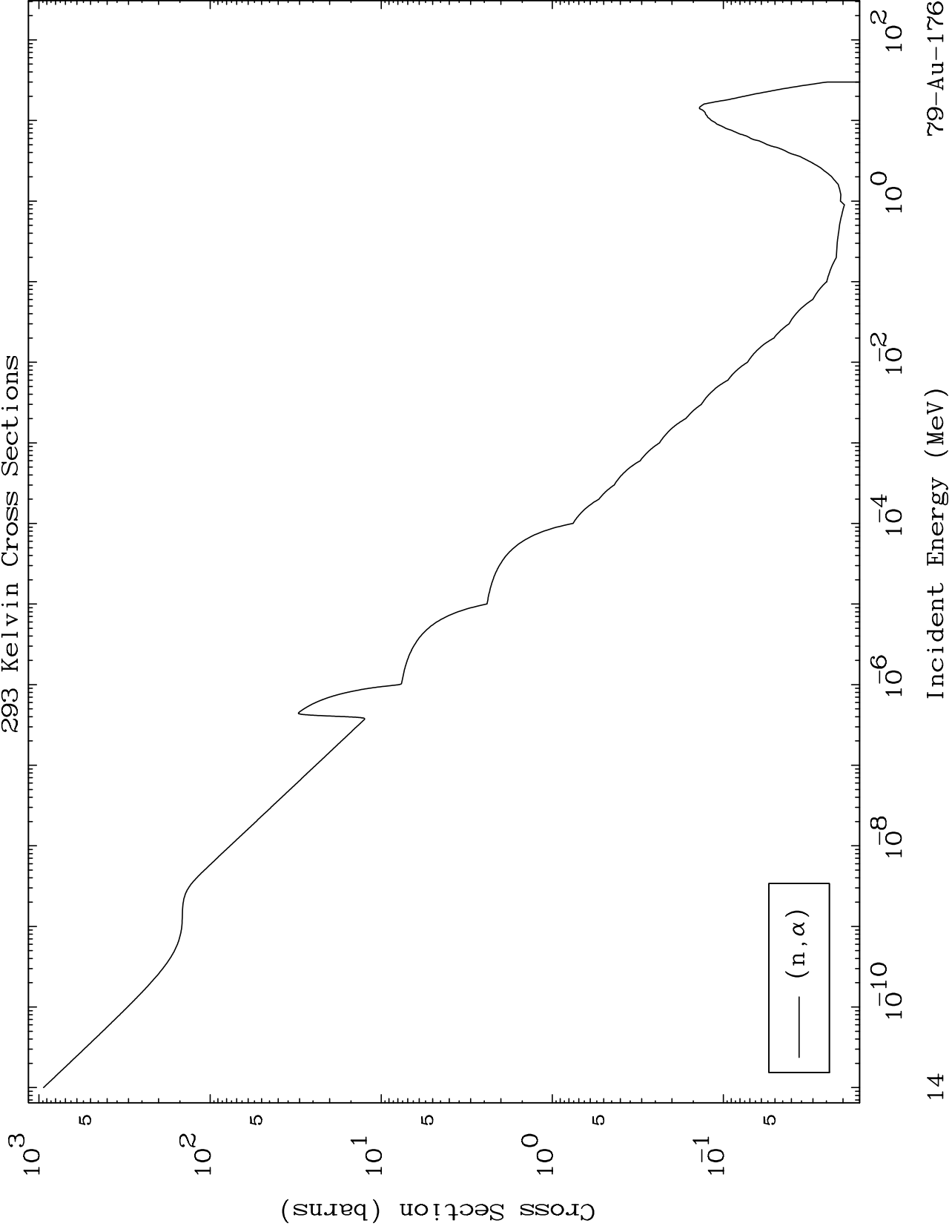
Incident Energy (MeV)

79-Au-176

MAT 7862

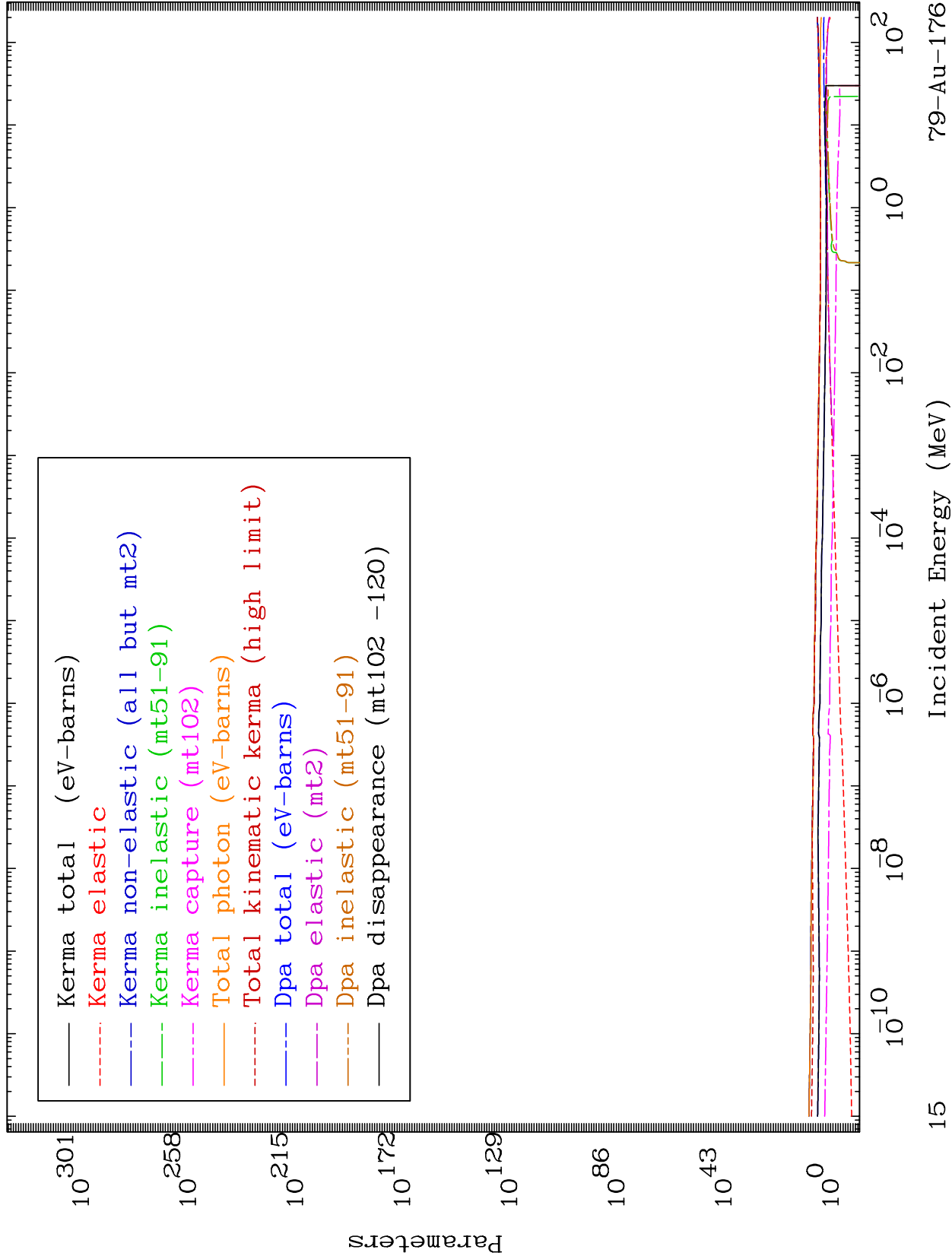
(n, α) Levels
293 Kelvin Cross Sections

79-Au-176



14

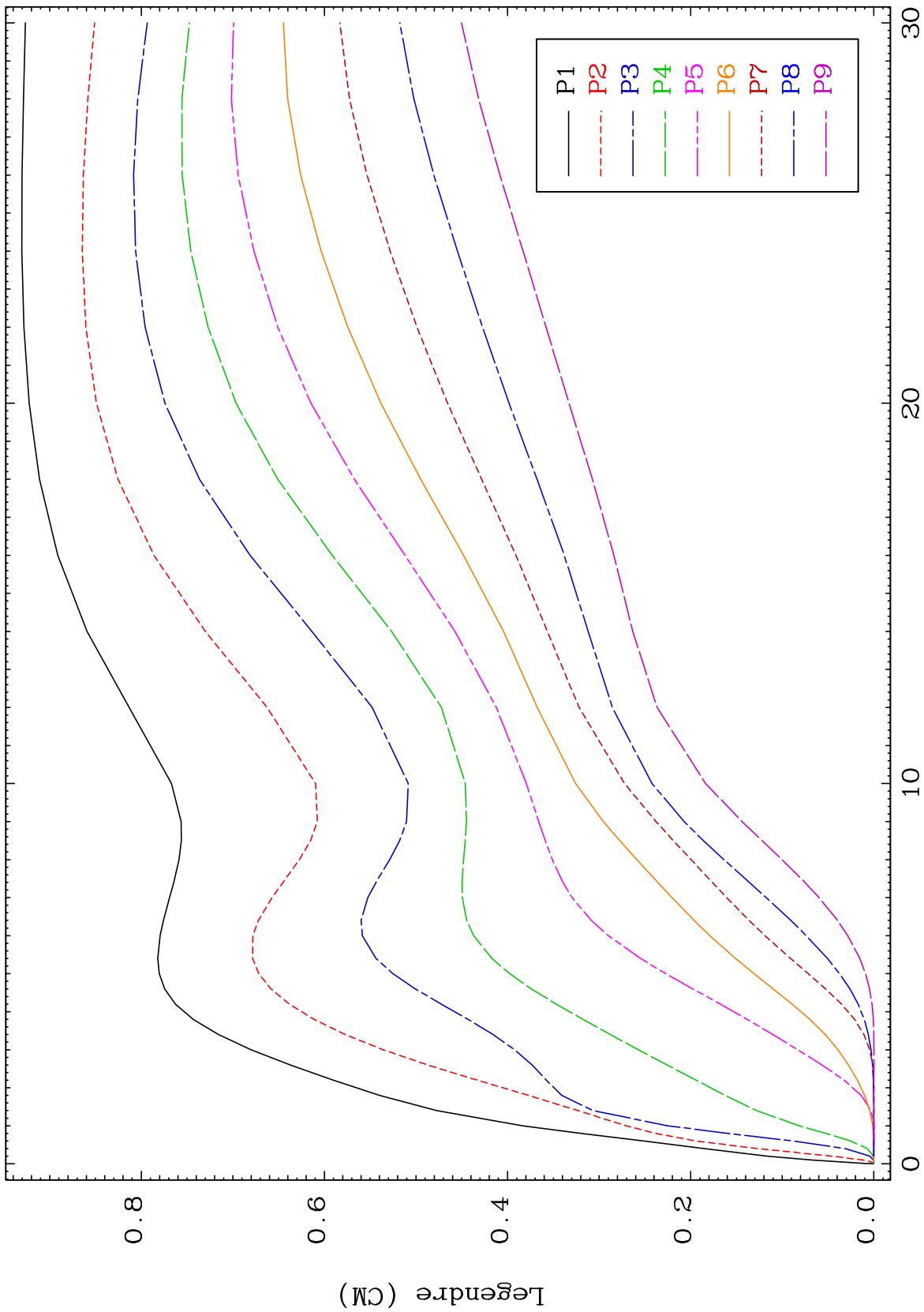
79-Au-176



MAT 7862

Elastic Legendre Coefficients

79-Au-176



16

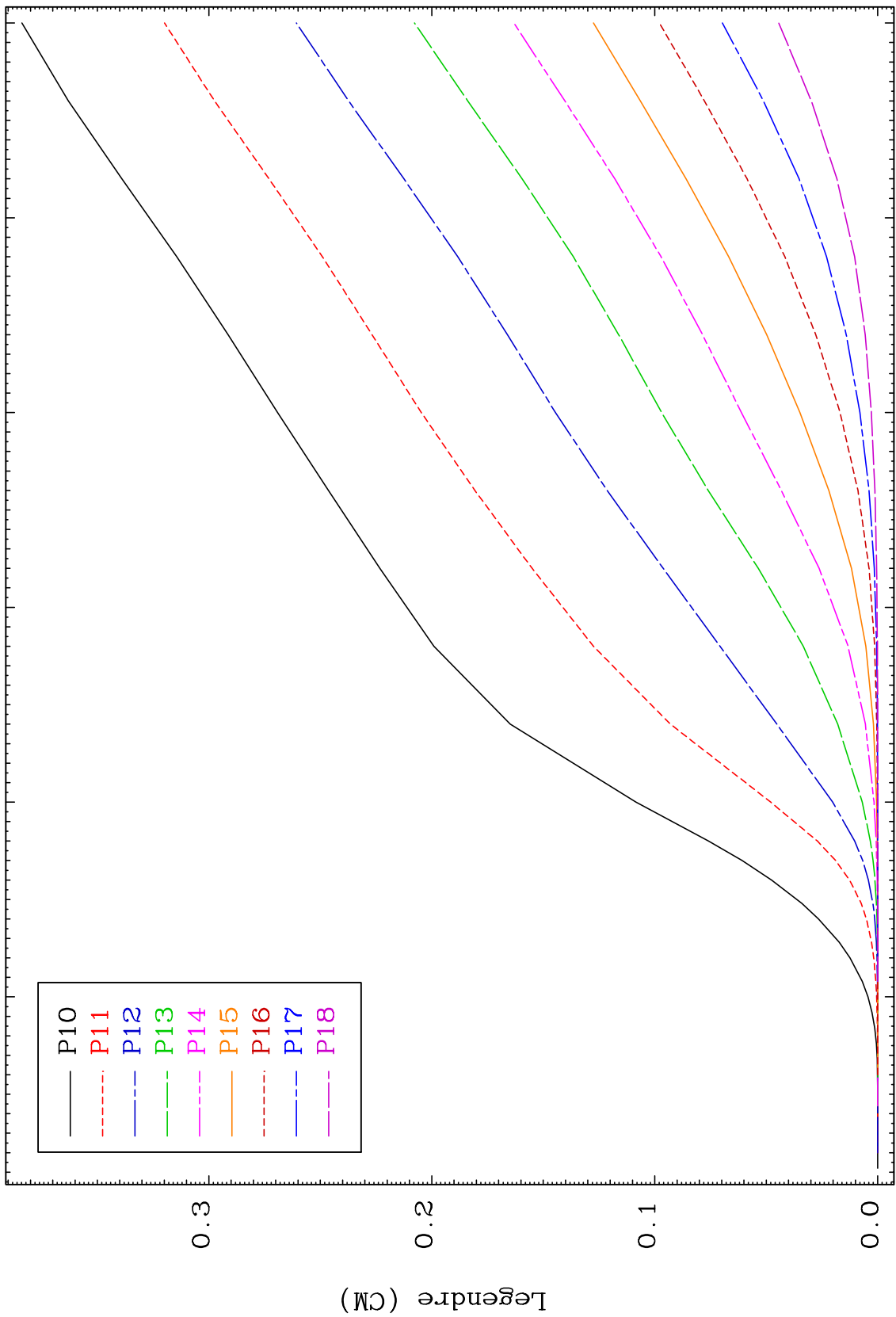
Incident Energy (MeV)

79-Au-176

MAT 7862

Elastic Legendre Coefficients

⁷⁹Au-¹⁷⁶



17

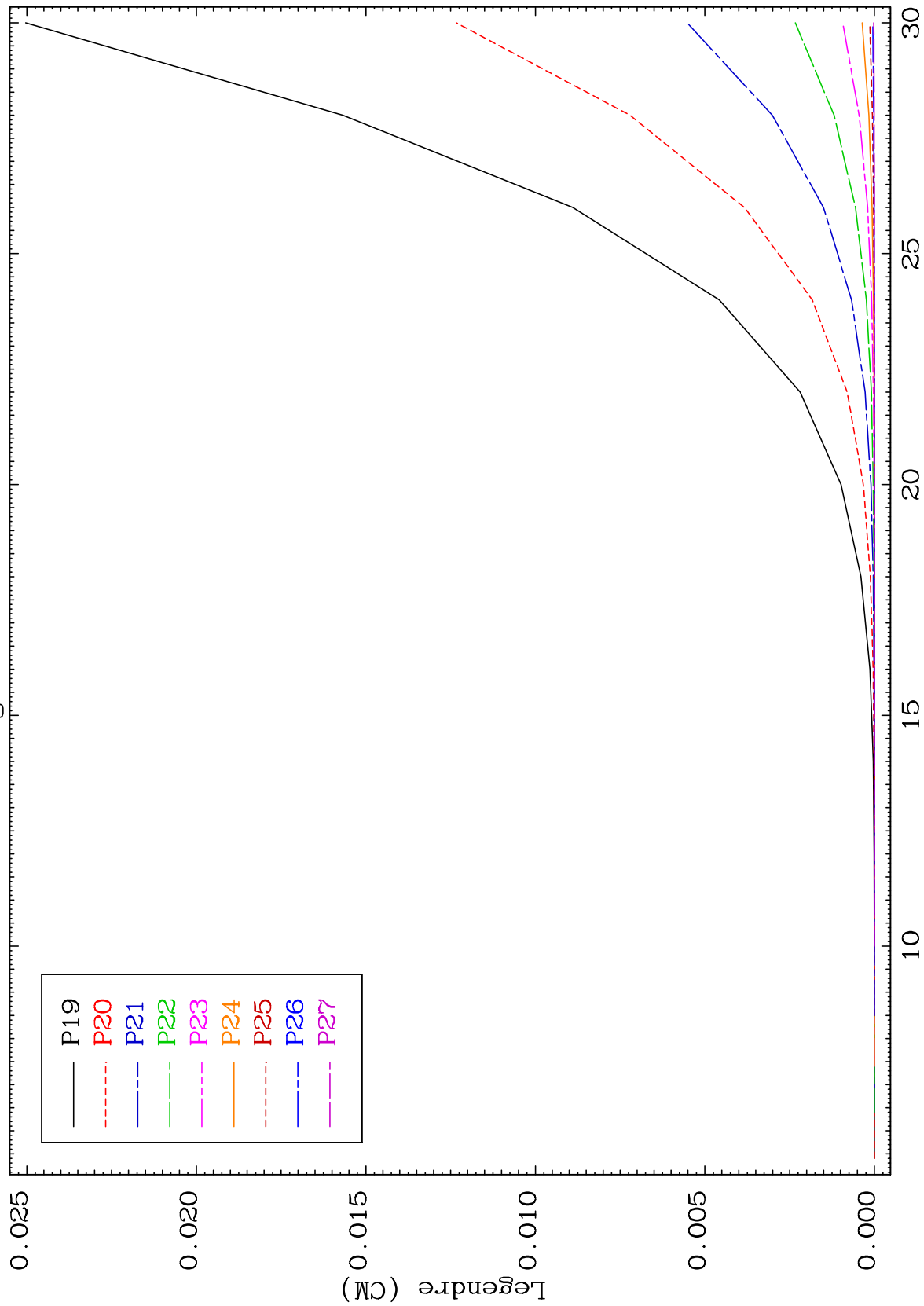
Incident Energy (MeV)

⁷⁹Au-¹⁷⁶

MAT 7862

Elastic Legendre Coefficients

79-Au-176



18

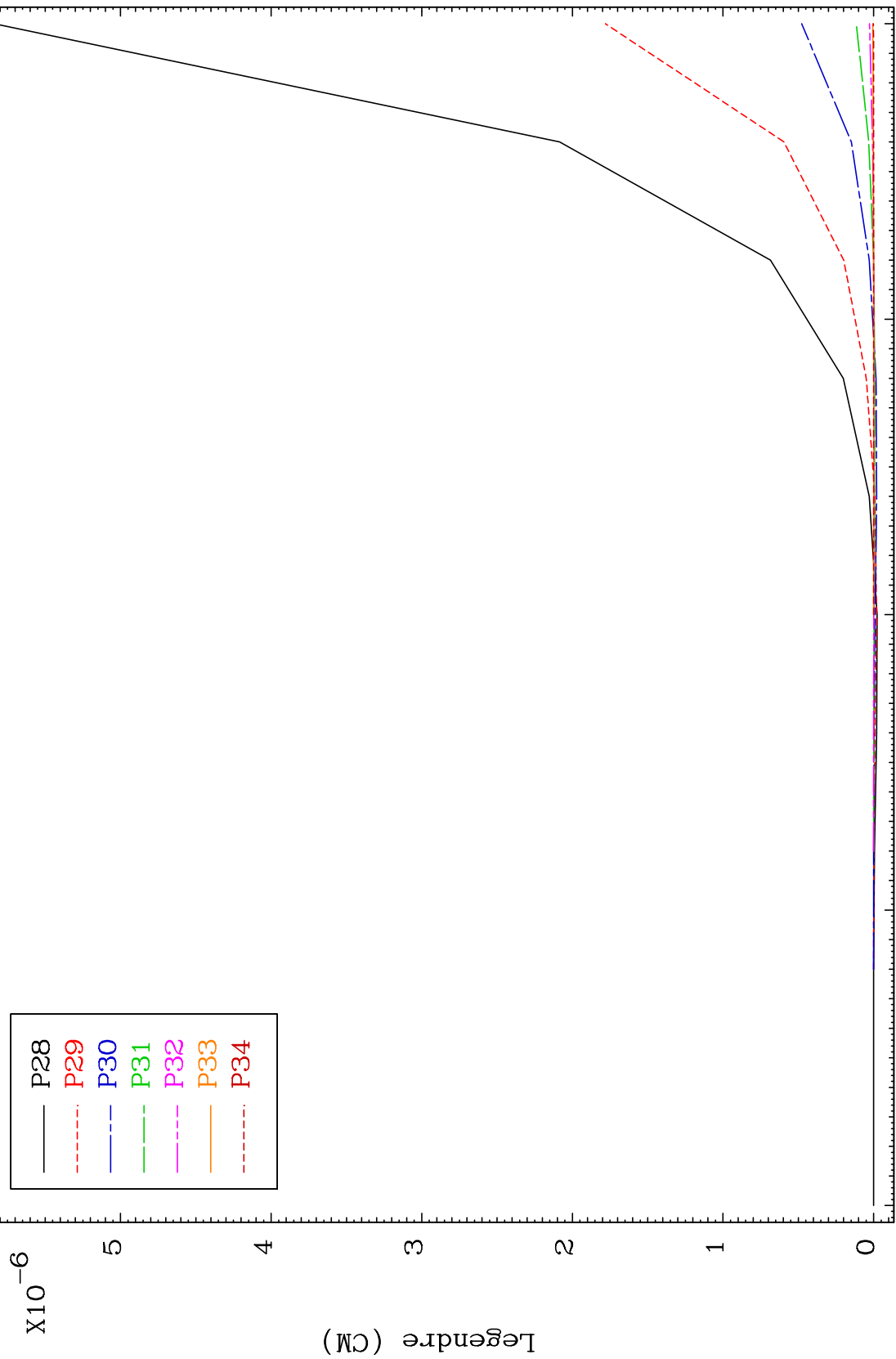
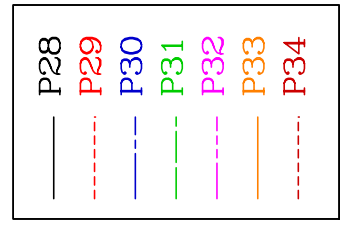
Incident Energy (MeV)

79-Au-176

MAT 7862

Elastic Legendre Coefficients

79-Au-176



79-Au-176

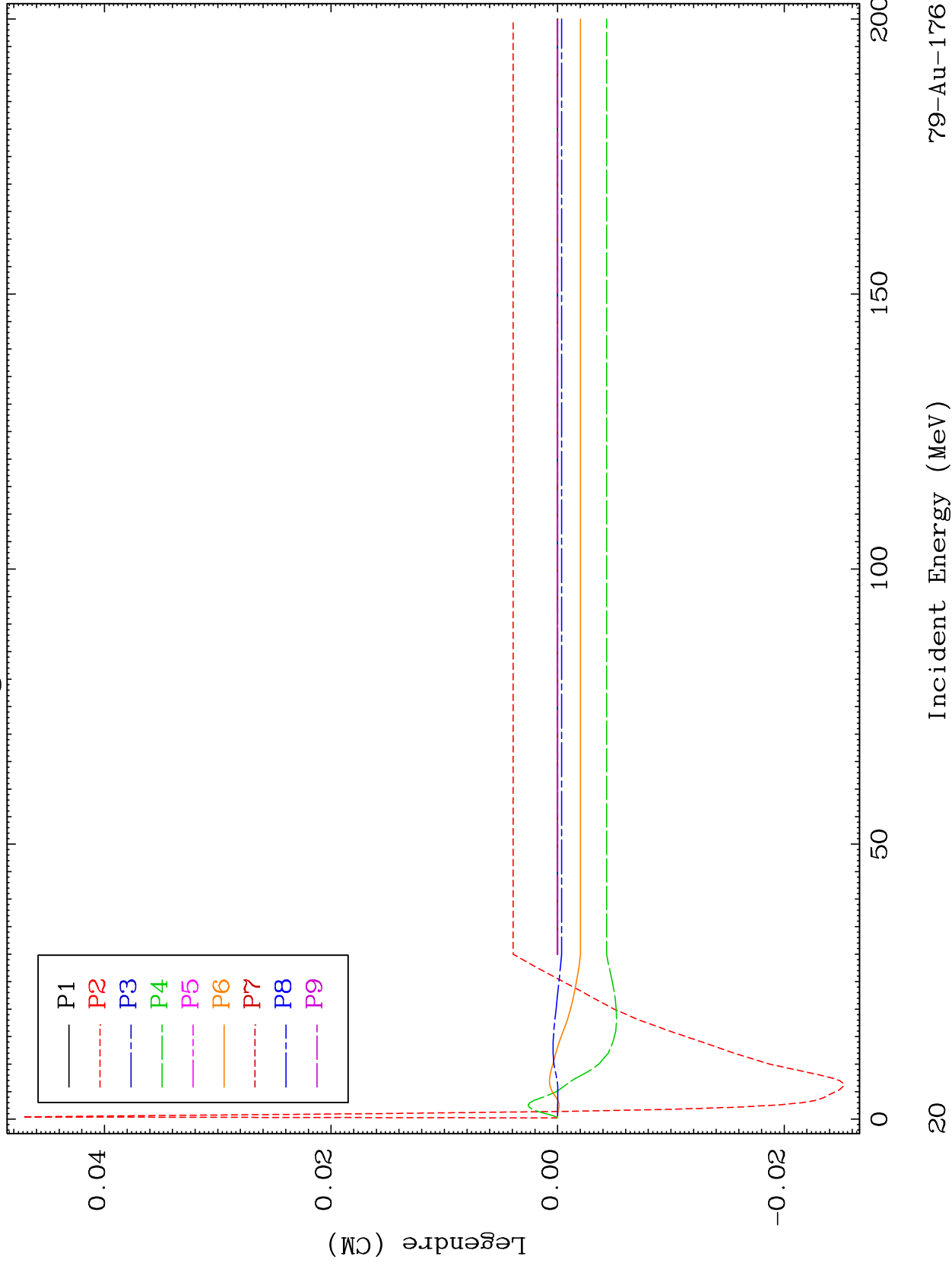
Incident Energy (MeV)

19

MAT 7862

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

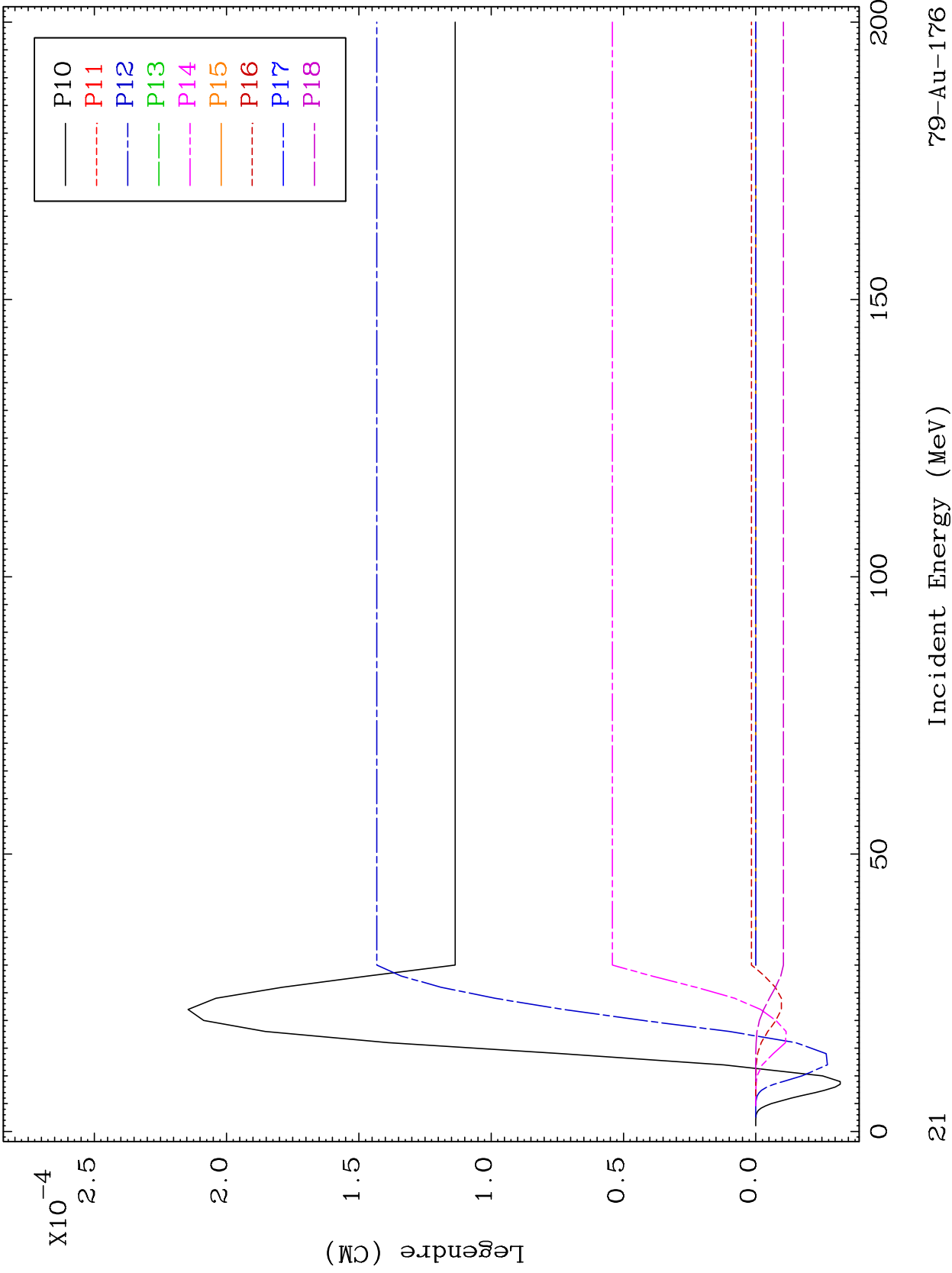
79-Au-176



MAT 7862

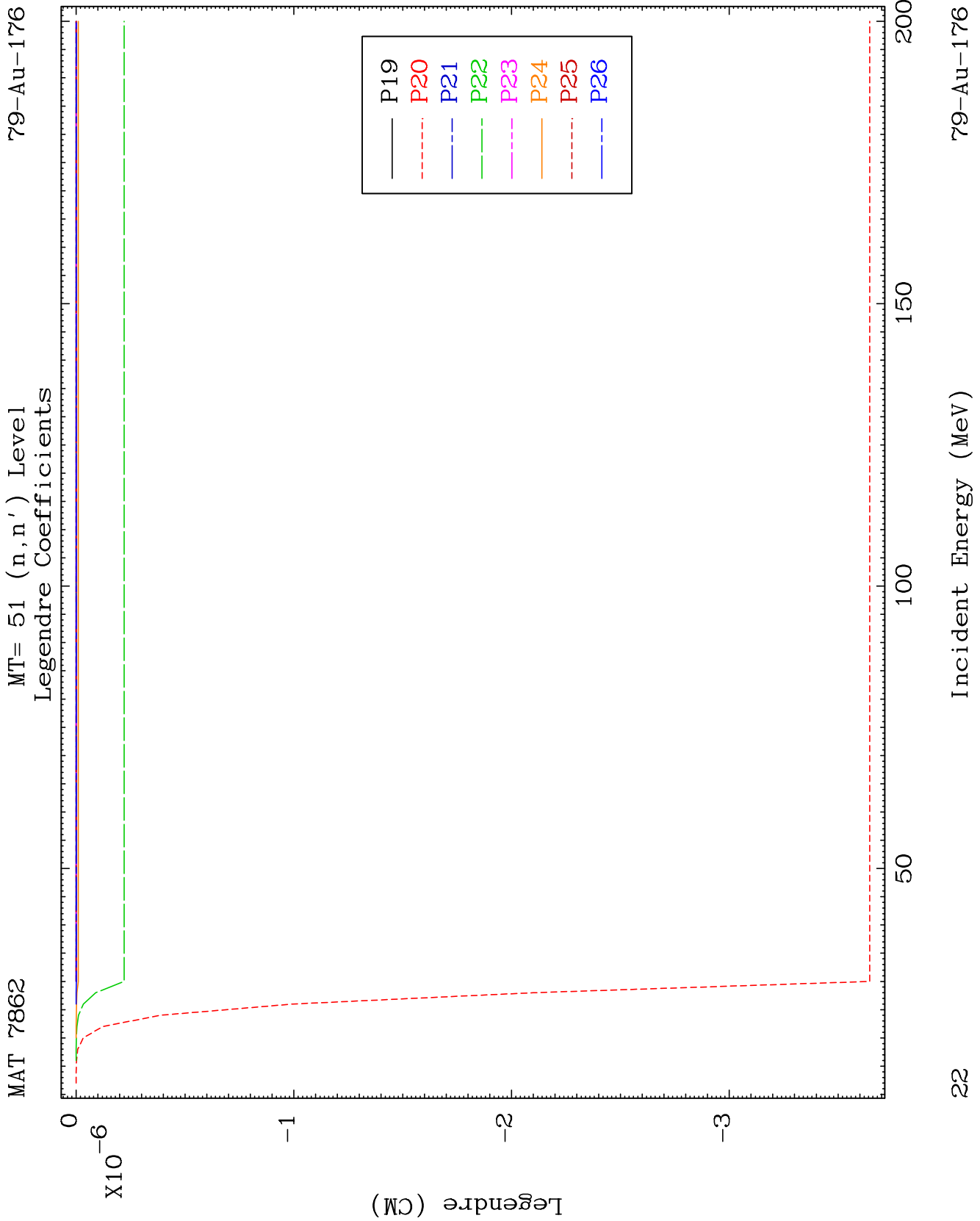
MT= 51 (n,n') Level
Legendre Coefficients

79-Au-176



21

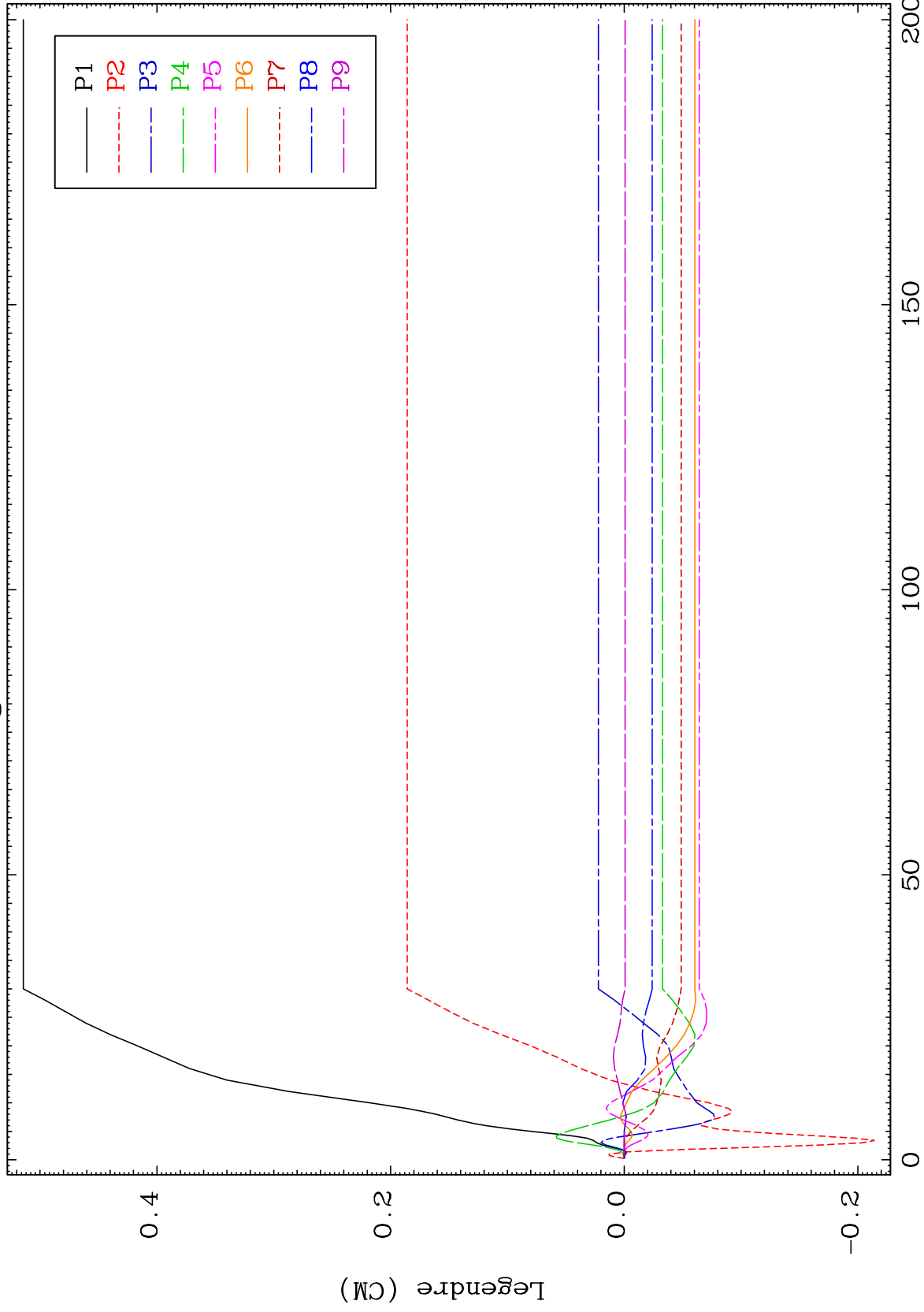
79-Au-176



MAT 7862

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

79-Au-176



23

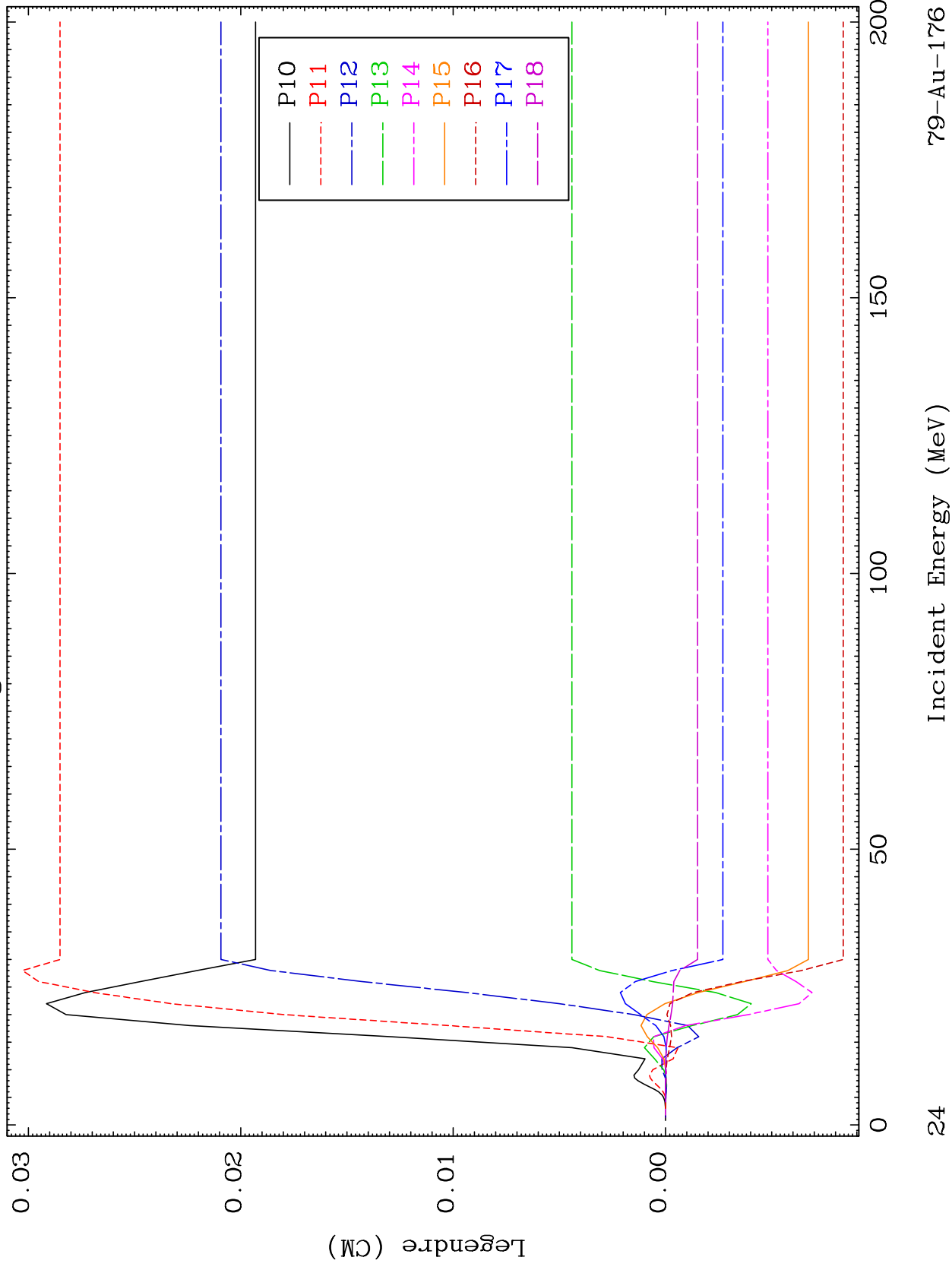
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79-Au-176

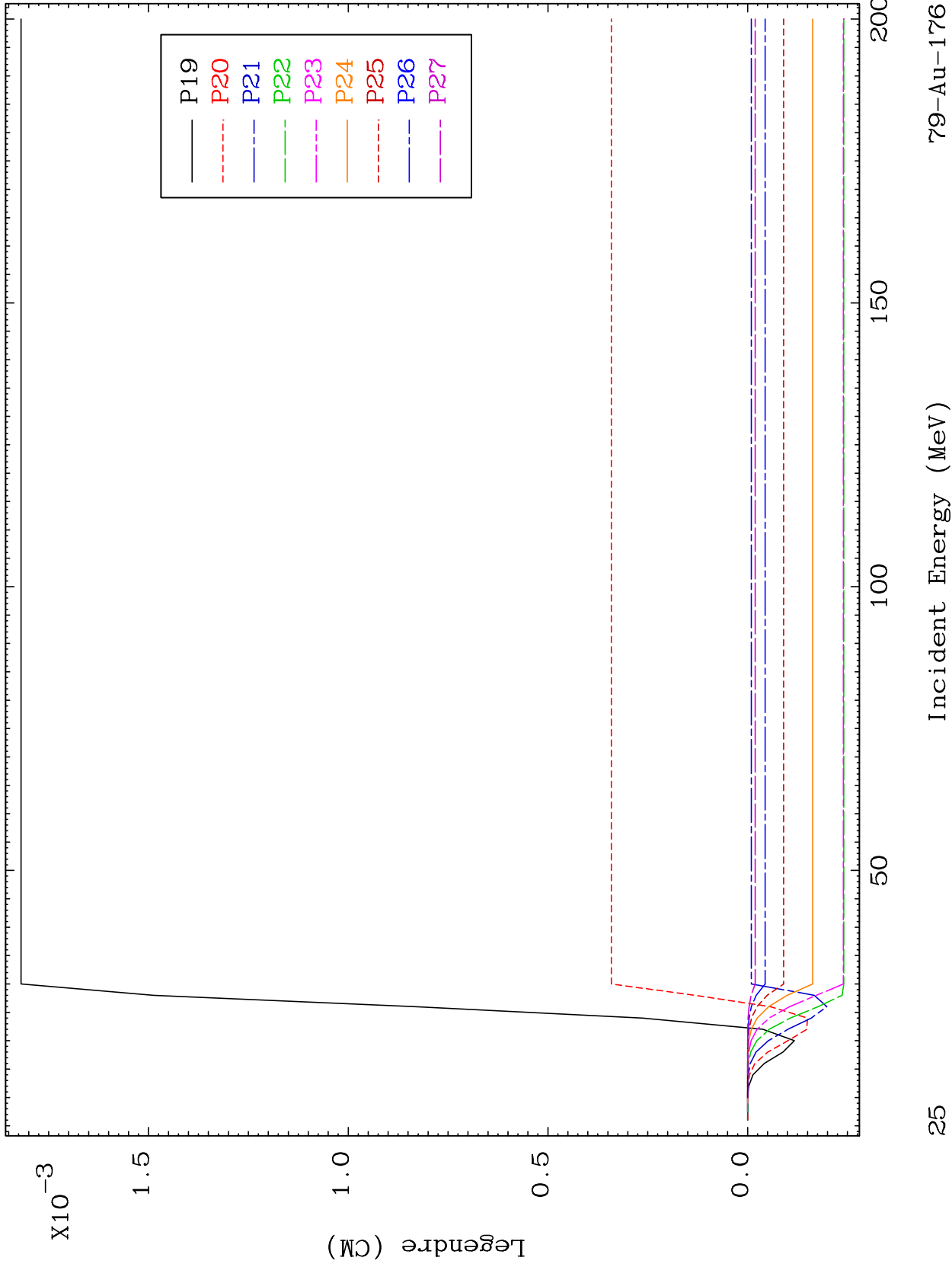
Incident Energy (MeV)

24

MAT 7862

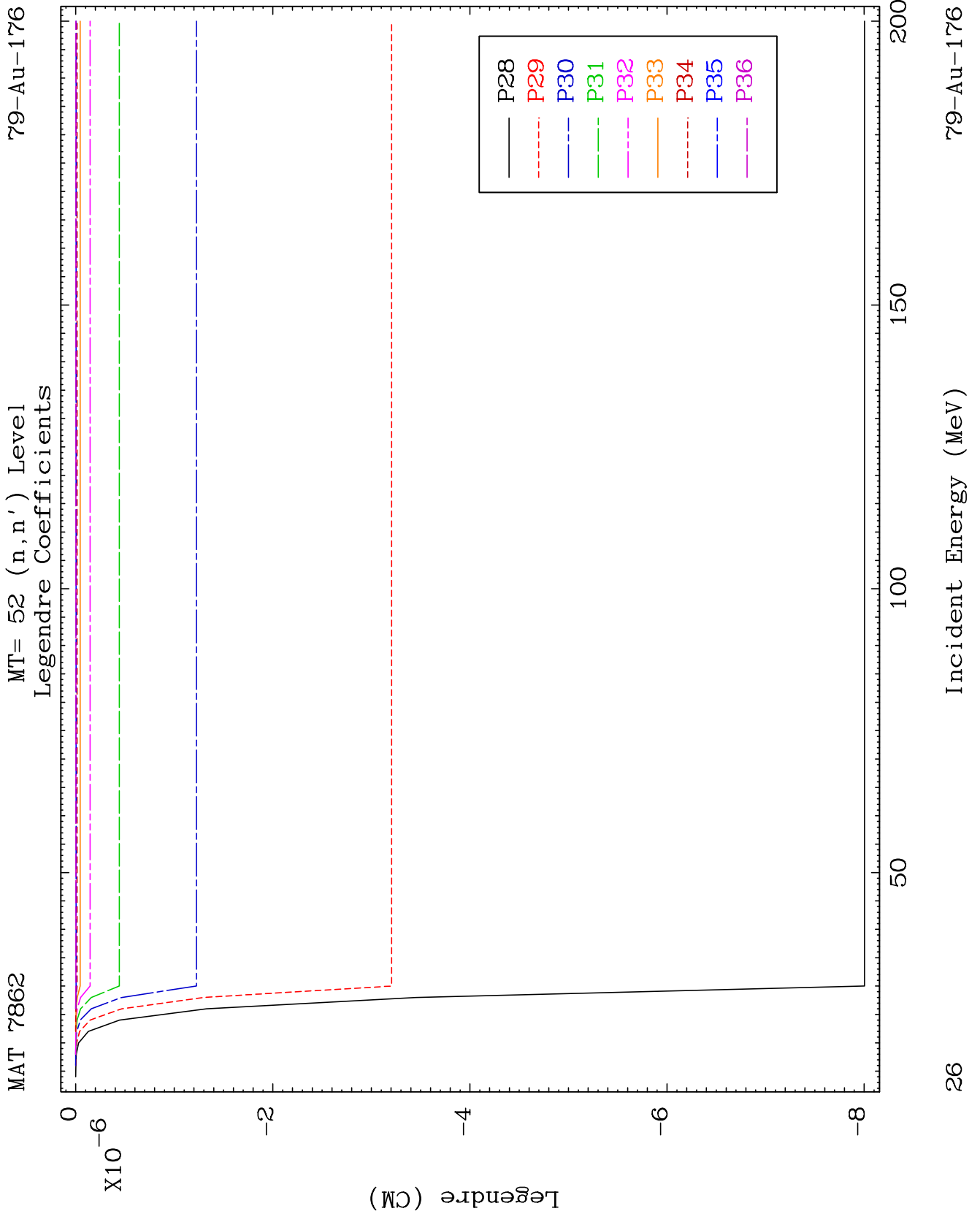
MT= 52 (n,n') Level
Legendre Coefficients

79-Au-176



25

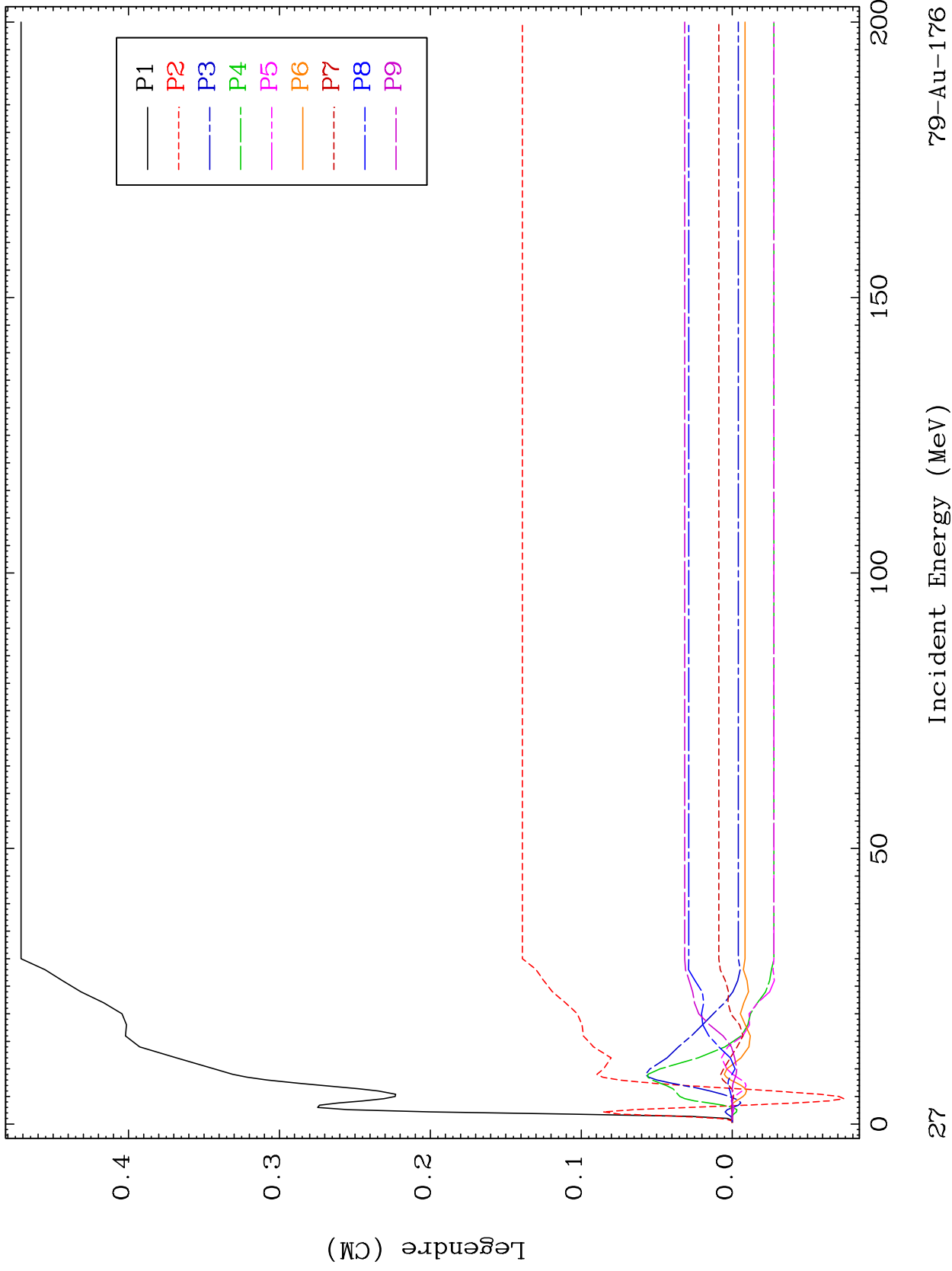
79-Au-176



MAT 7862

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

79-Au-176



79-Au-176

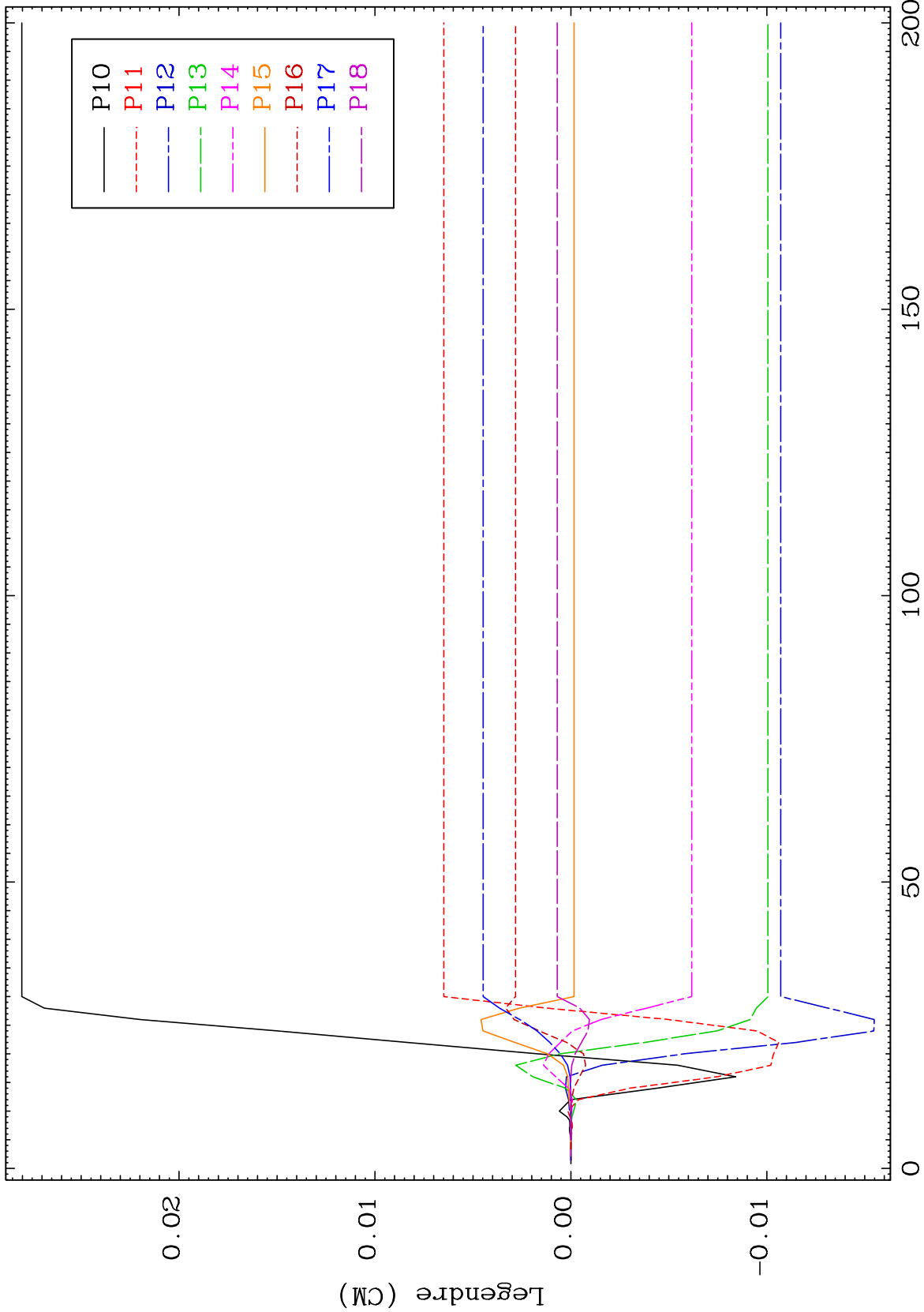
Incident Energy (MeV)

27

MAT 7862

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

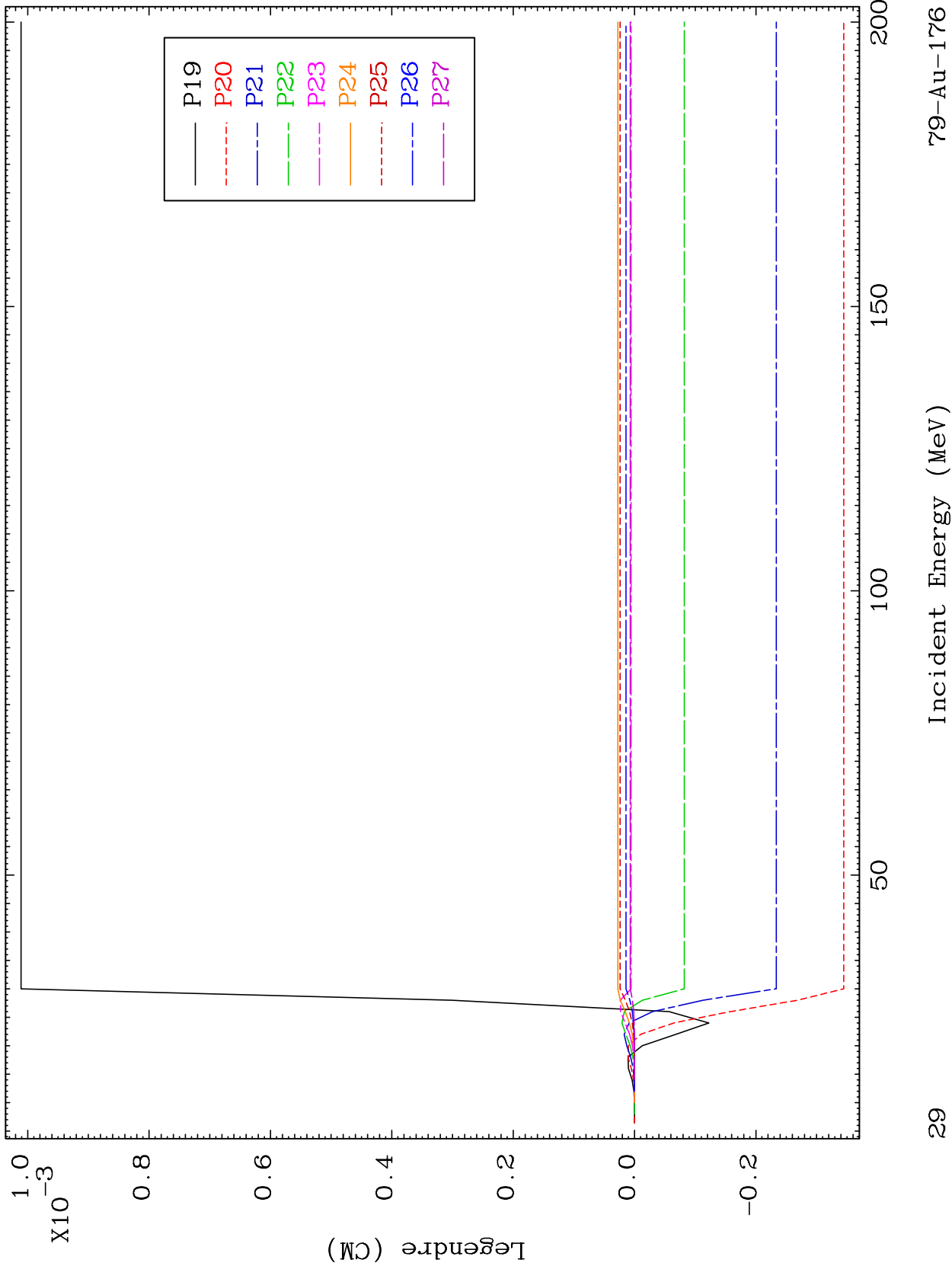
79-Au-176



28

Incident Energy (MeV)

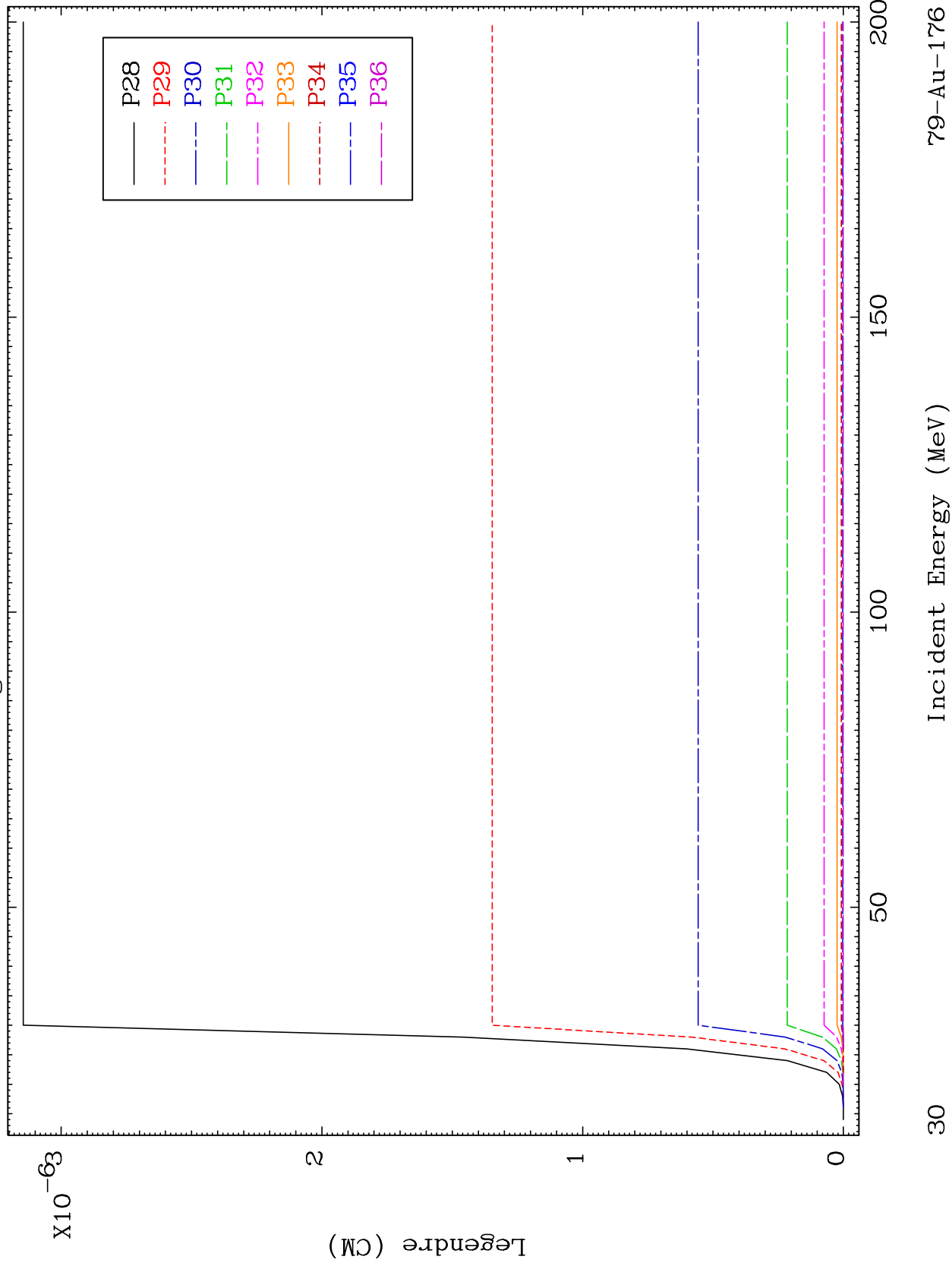
79-Au-176



MAT 7862

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

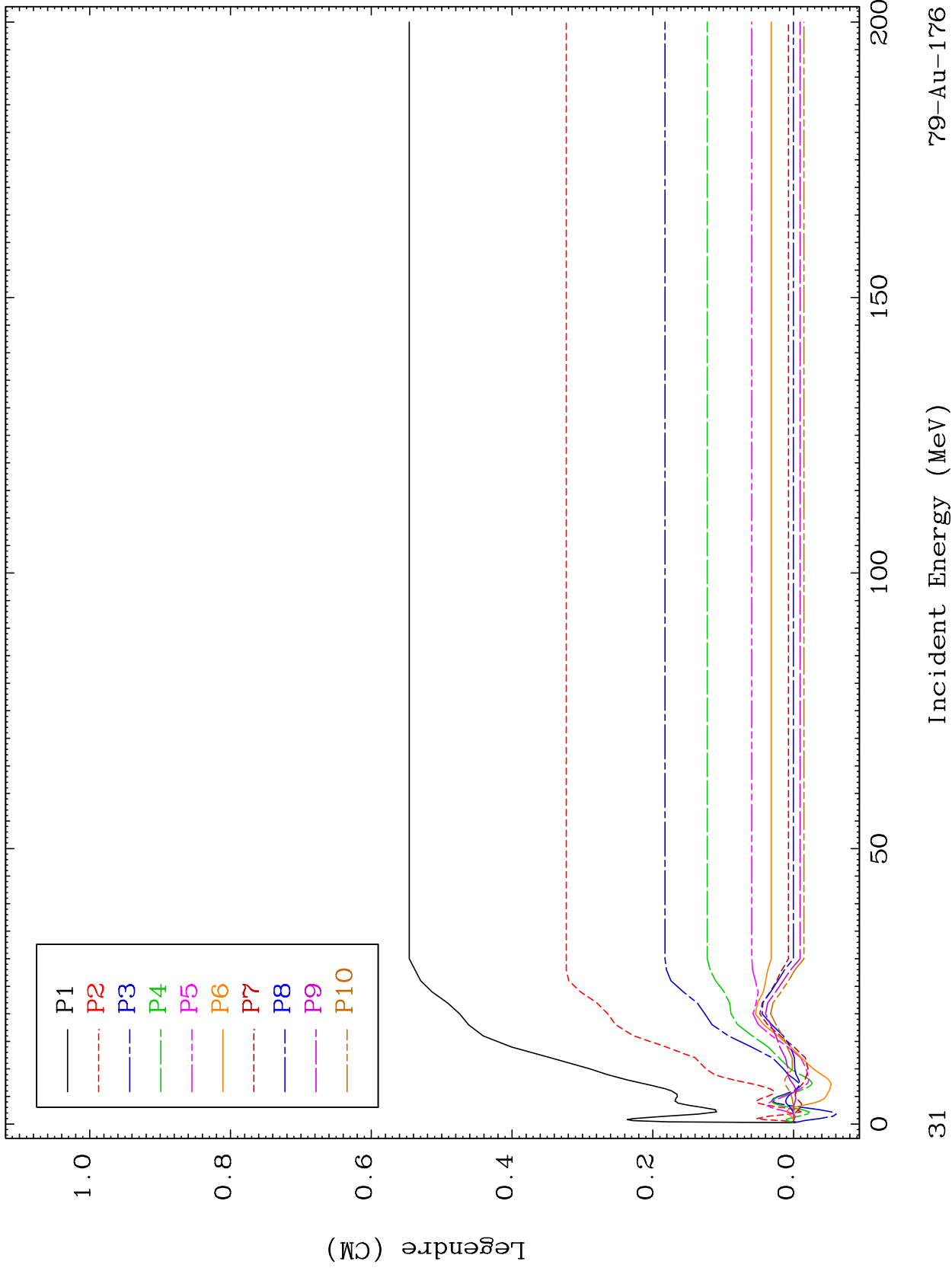
79-Au-176



MAT 7862

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

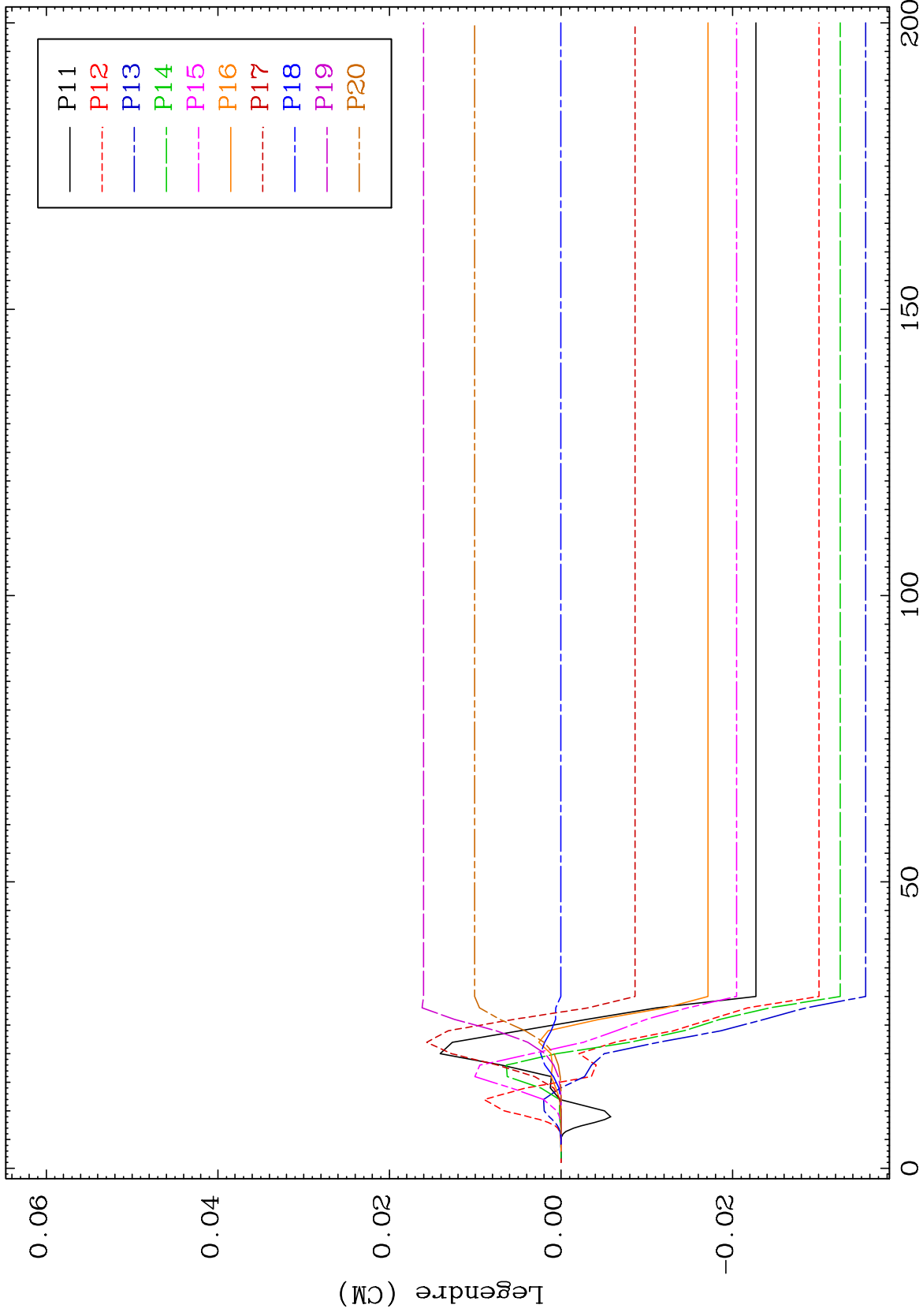
79-Au-176



MAT 7862

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

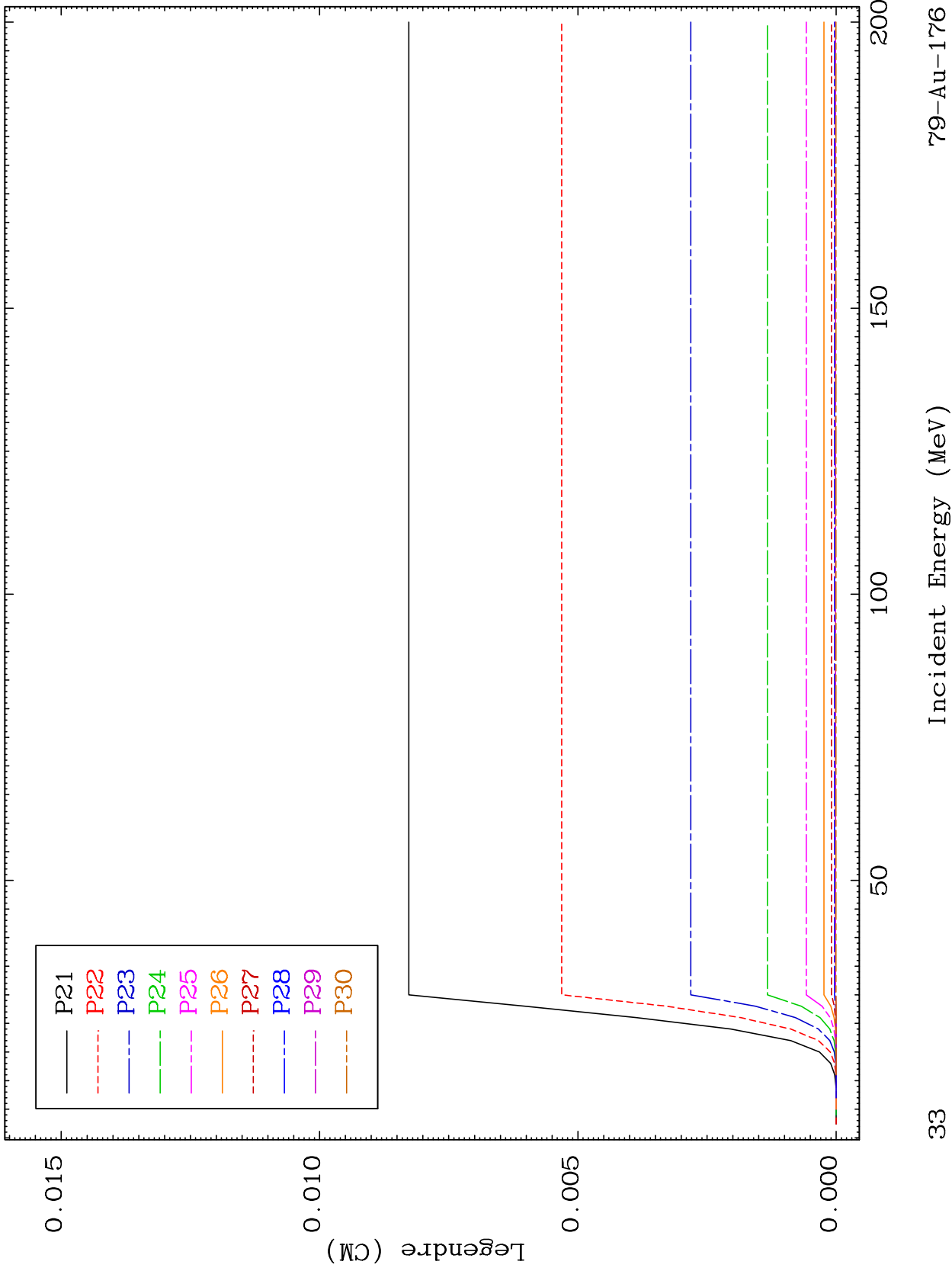
79-Au-176



32

Incident Energy (MeV)

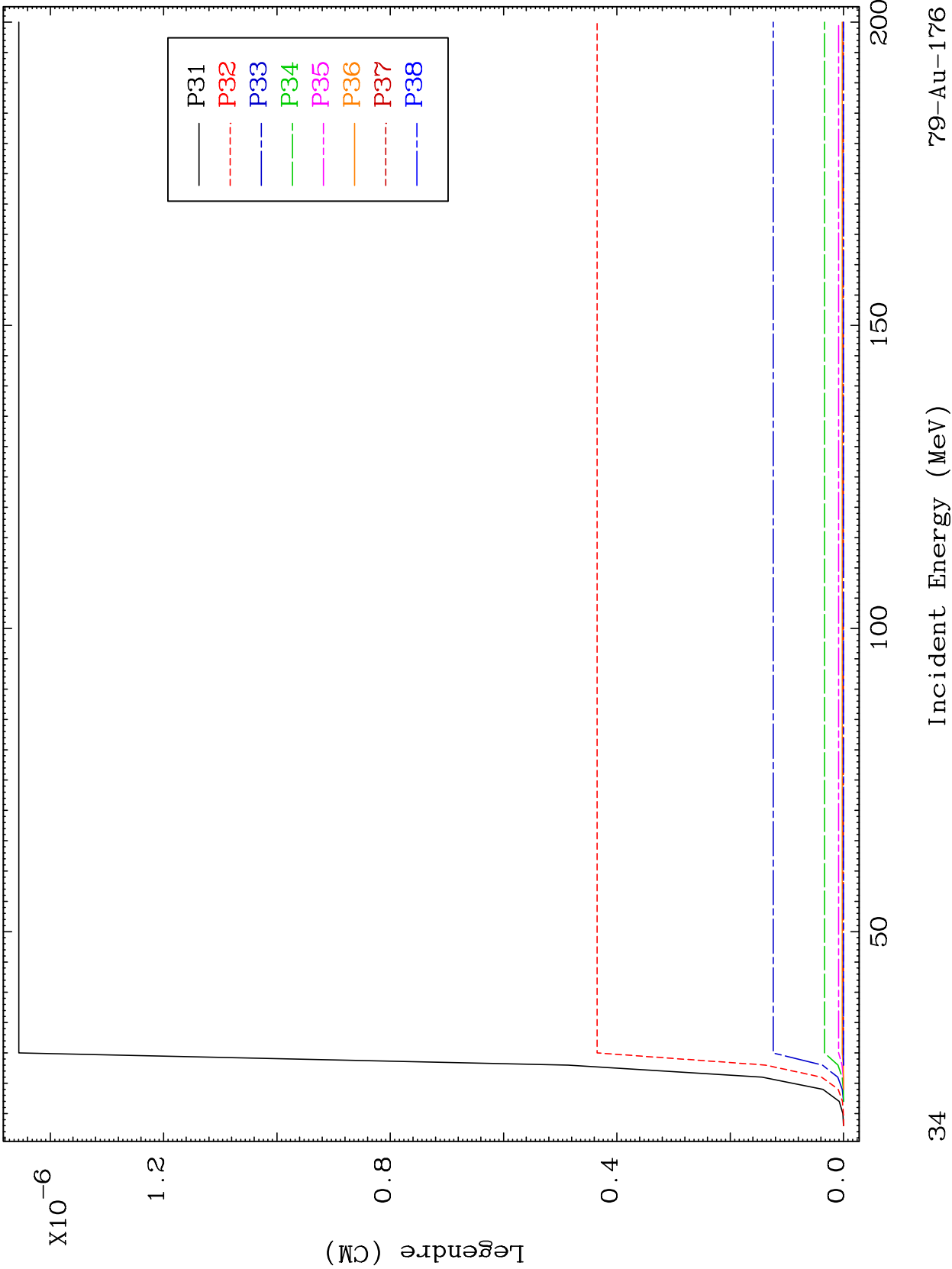
79-Au-176



MAT 7862

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

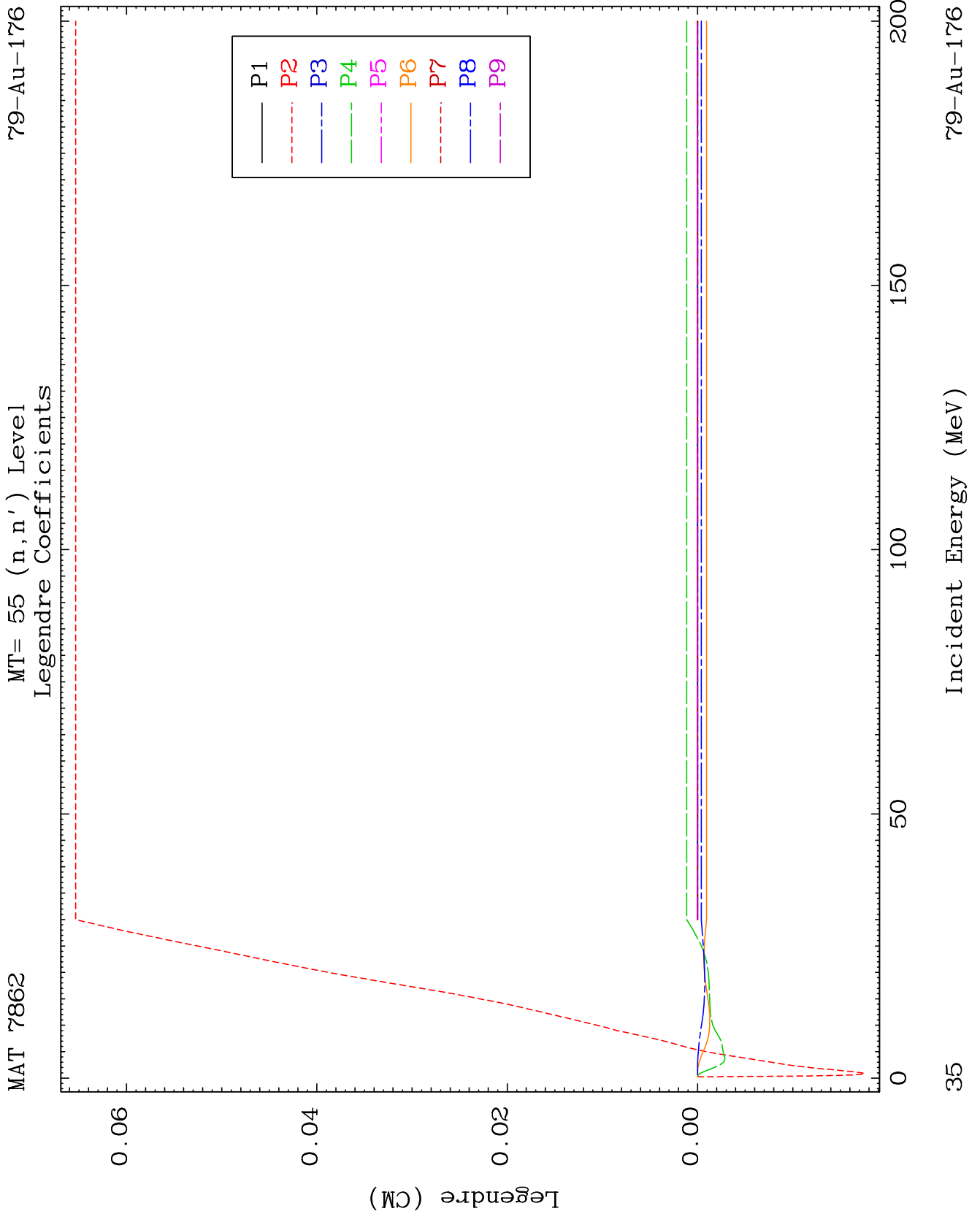
79-Au-176



34

Incident Energy (MeV)

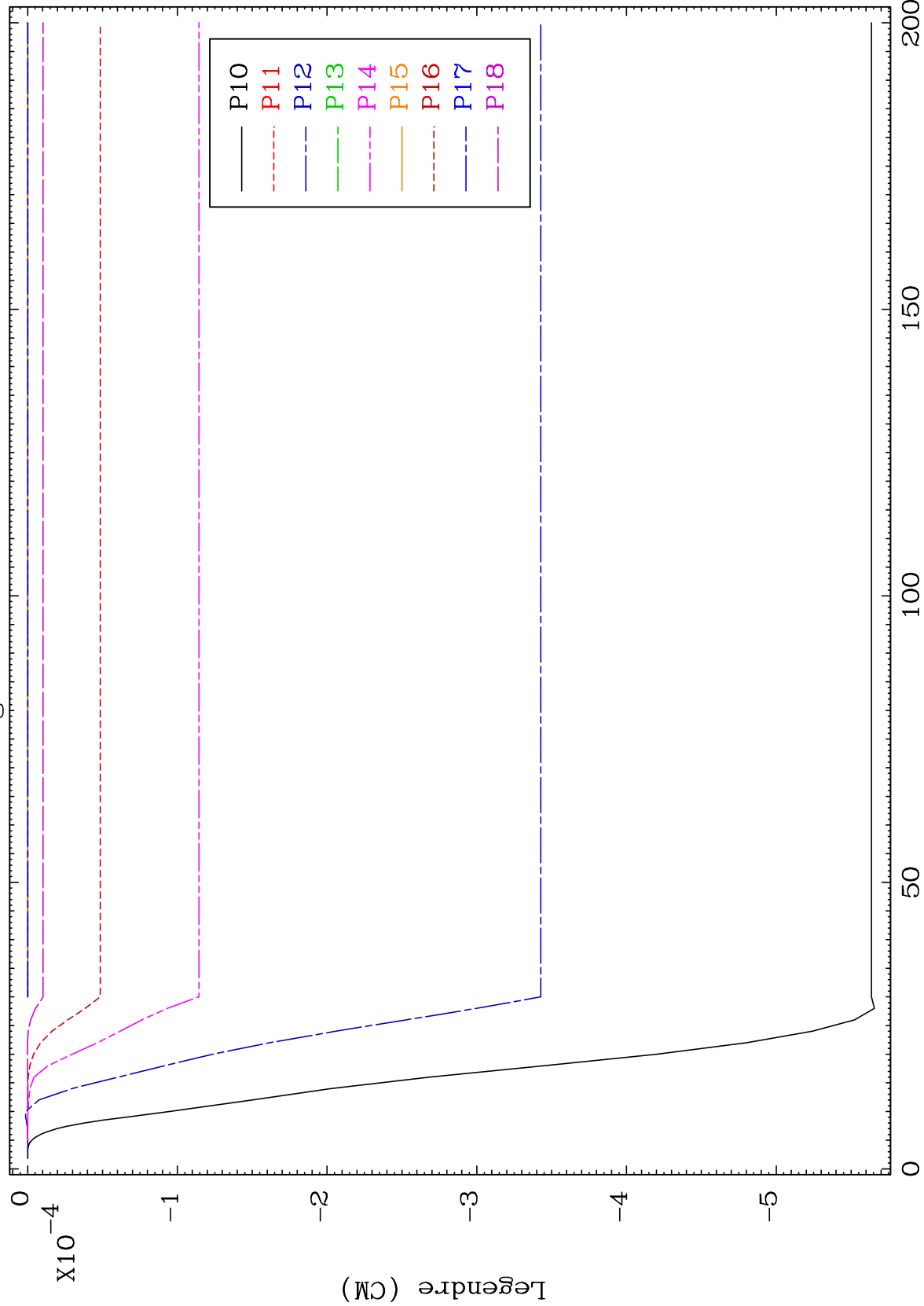
79-Au-176



MAT 7862

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

79-Au-176



36

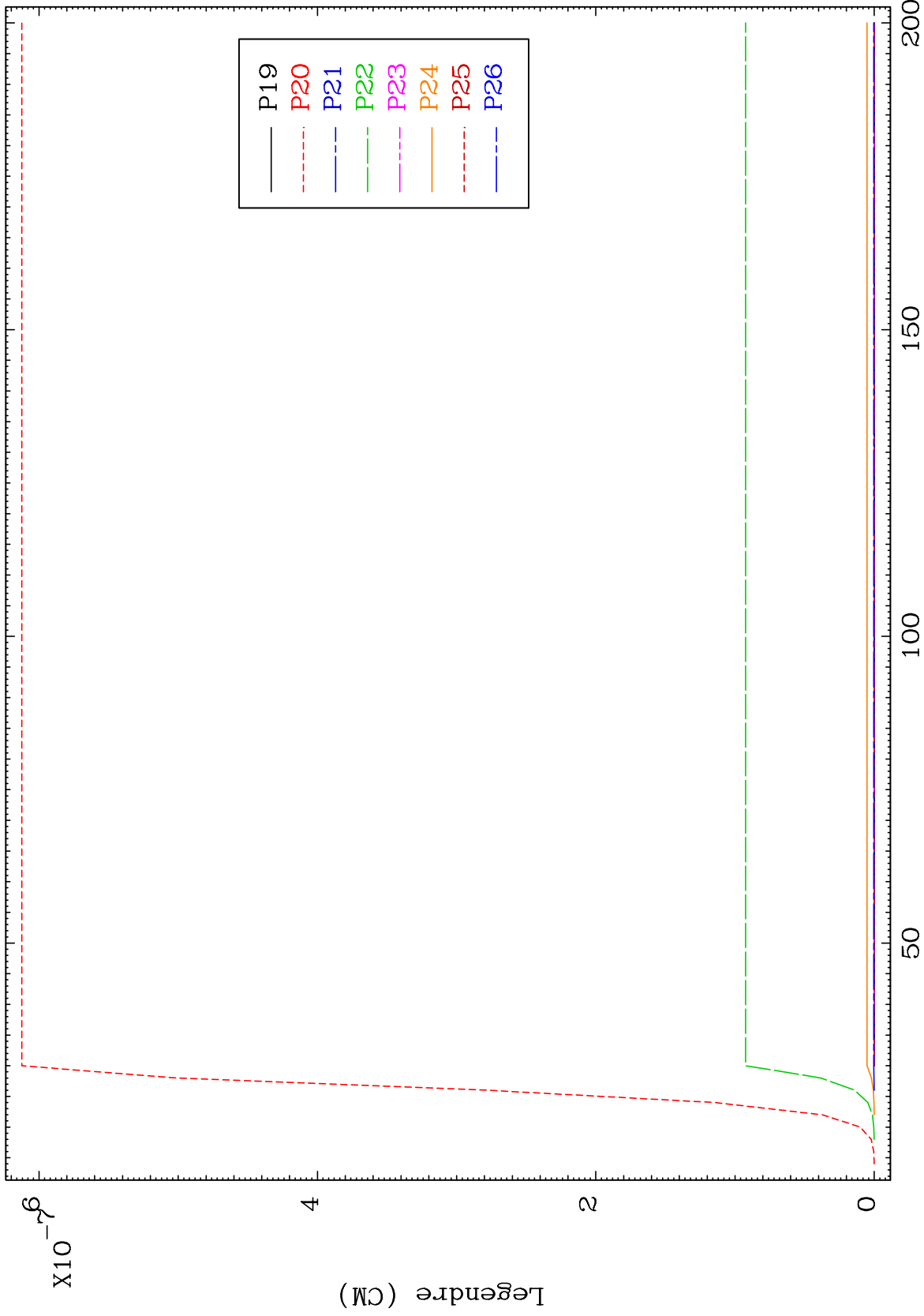
Incident Energy (MeV)

79-Au-176

MAT 7862

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

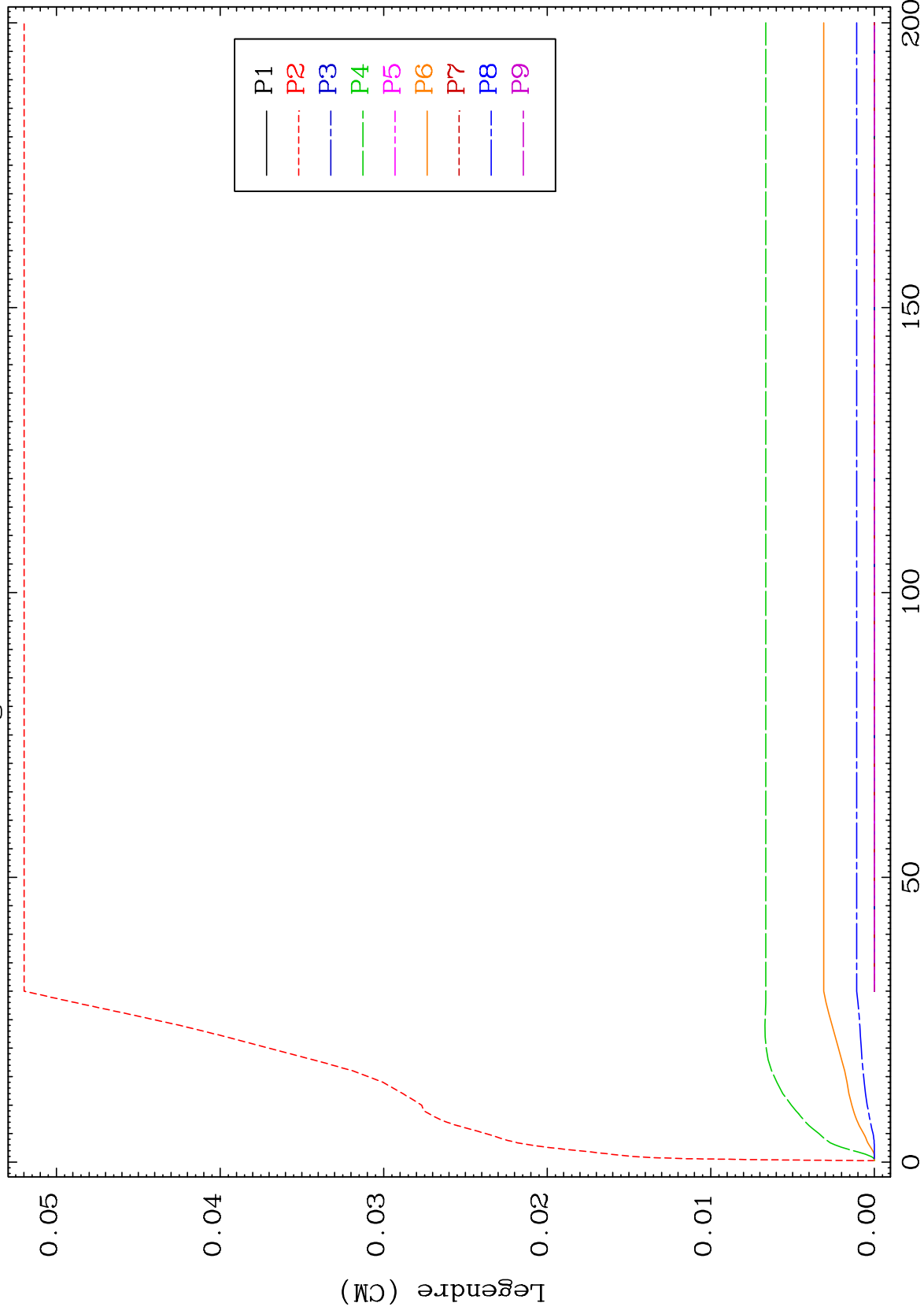
79-Au-176



MAT 7862

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

79-Au-176



38

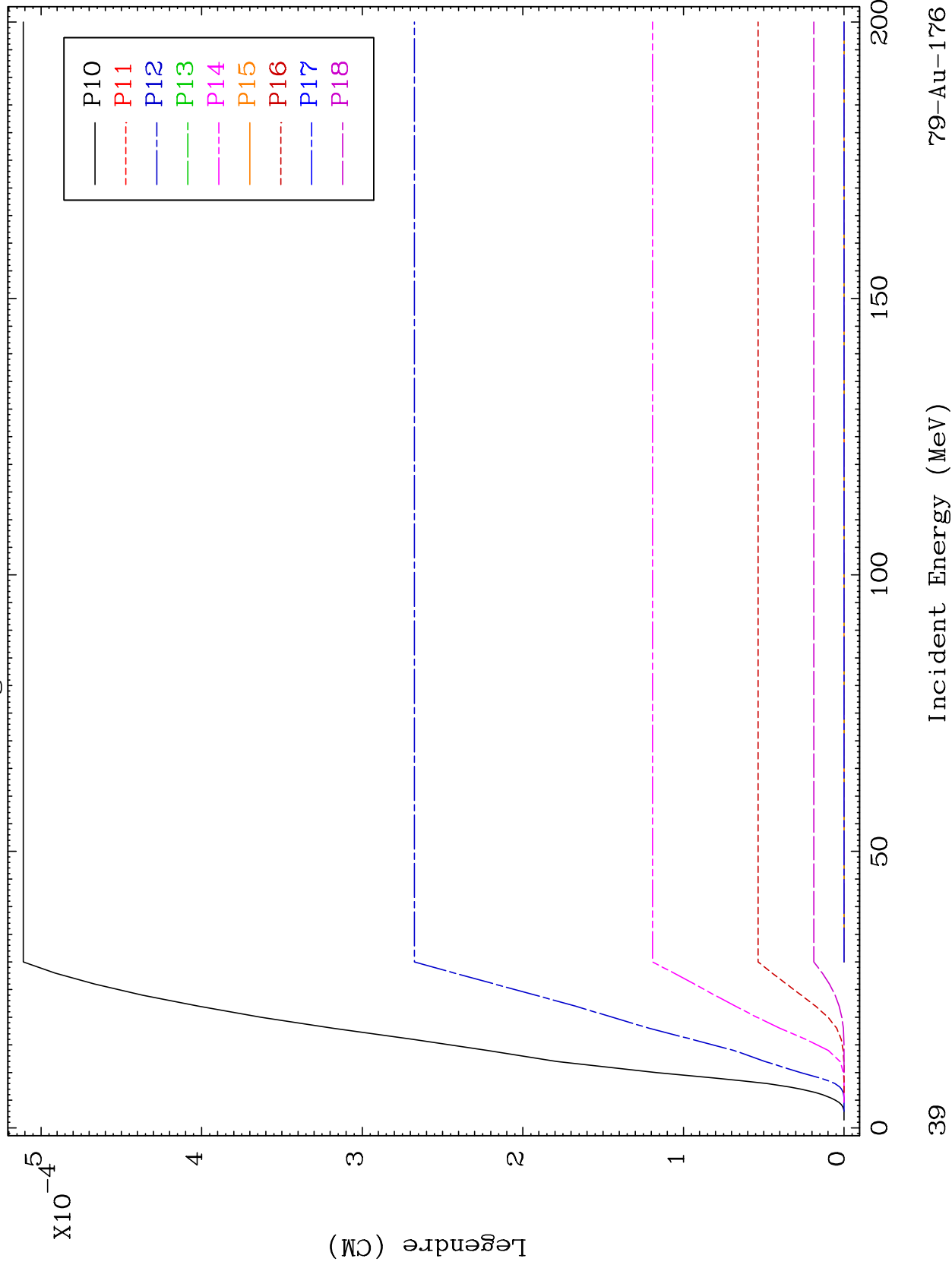
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79-Au-176

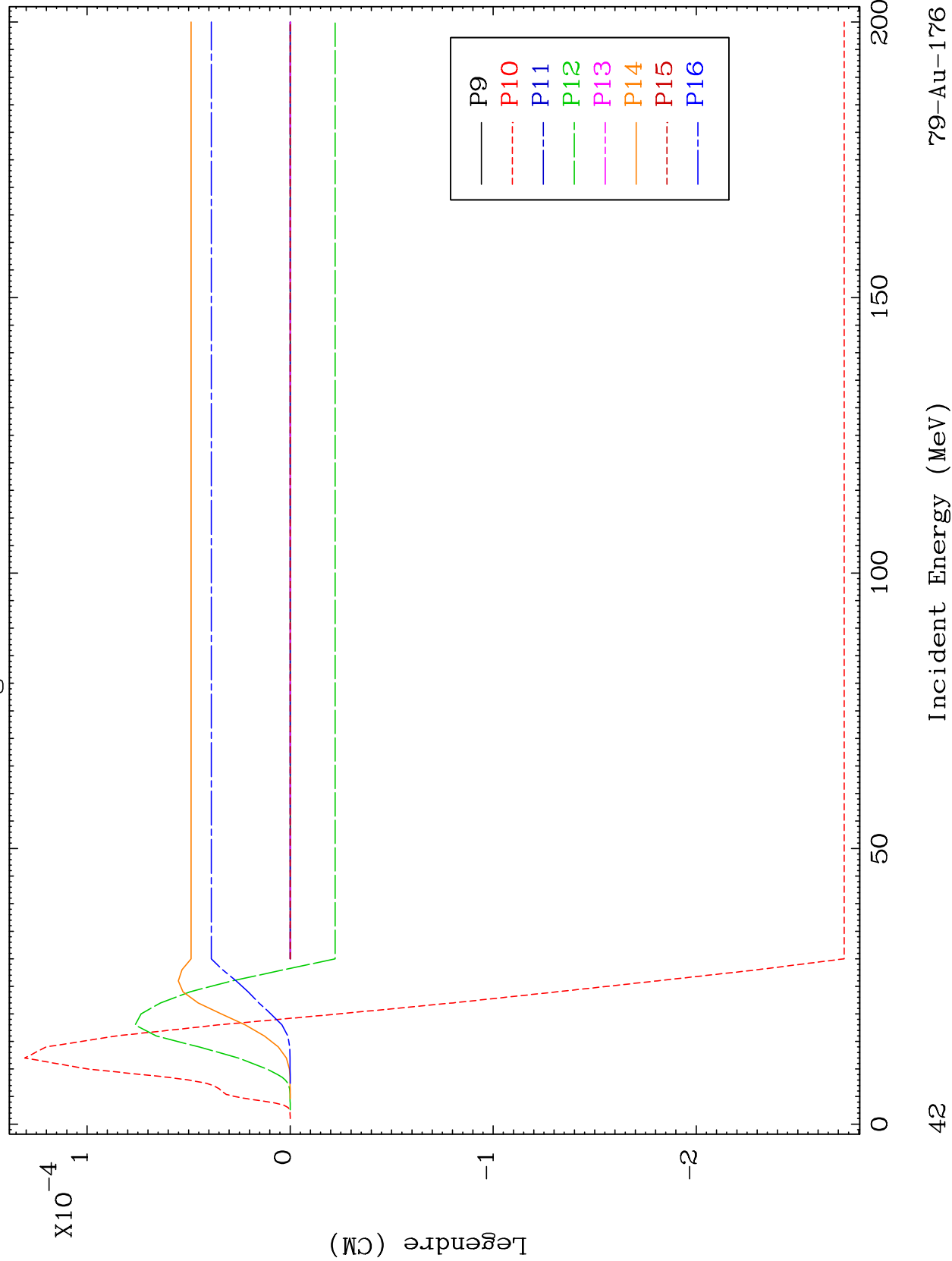
Incident Energy (MeV)

39

MAT 7862

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

79-Au-176



79-Au-176

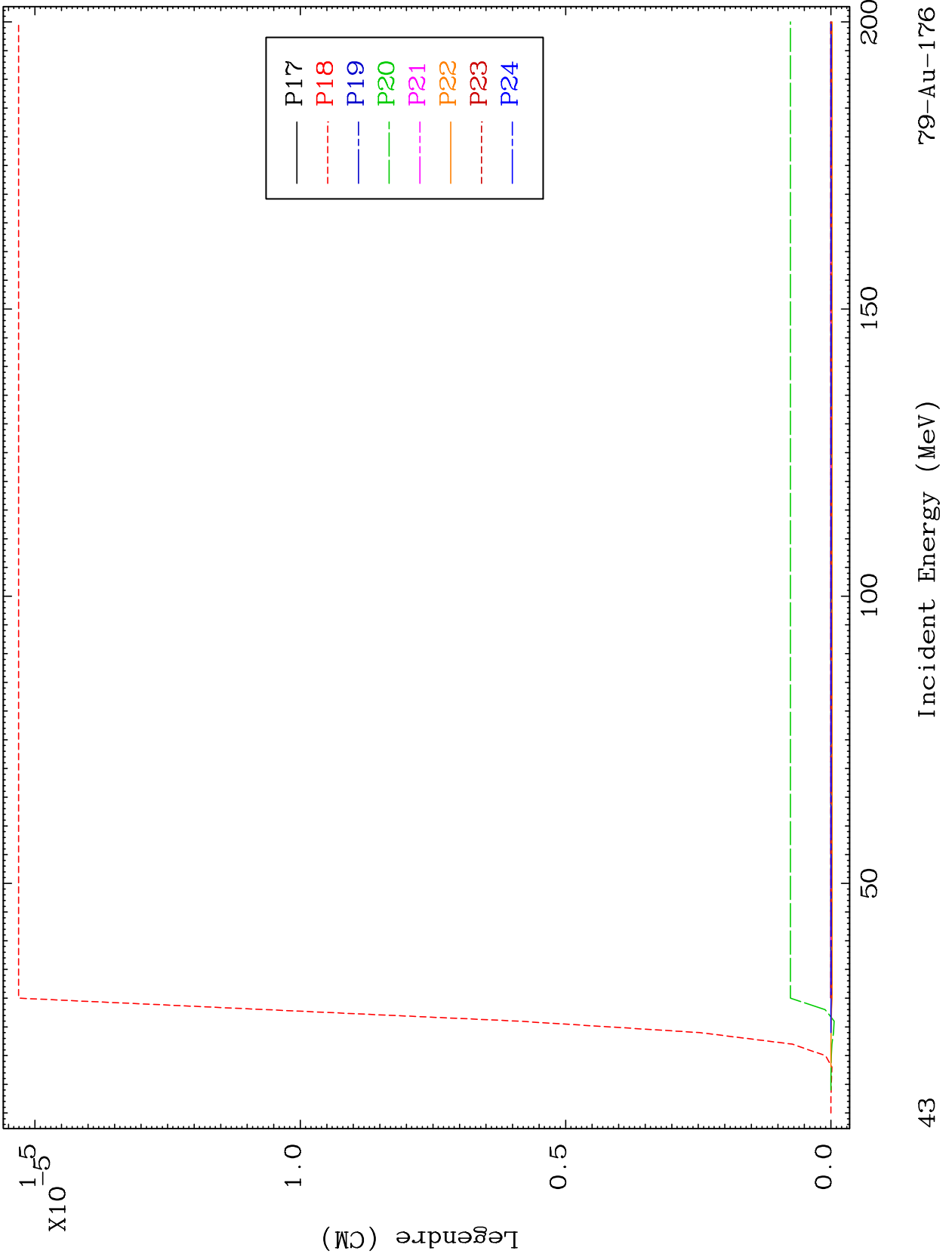
Incident Energy (MeV)

42

MAT 7862

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

79-Au-176



43

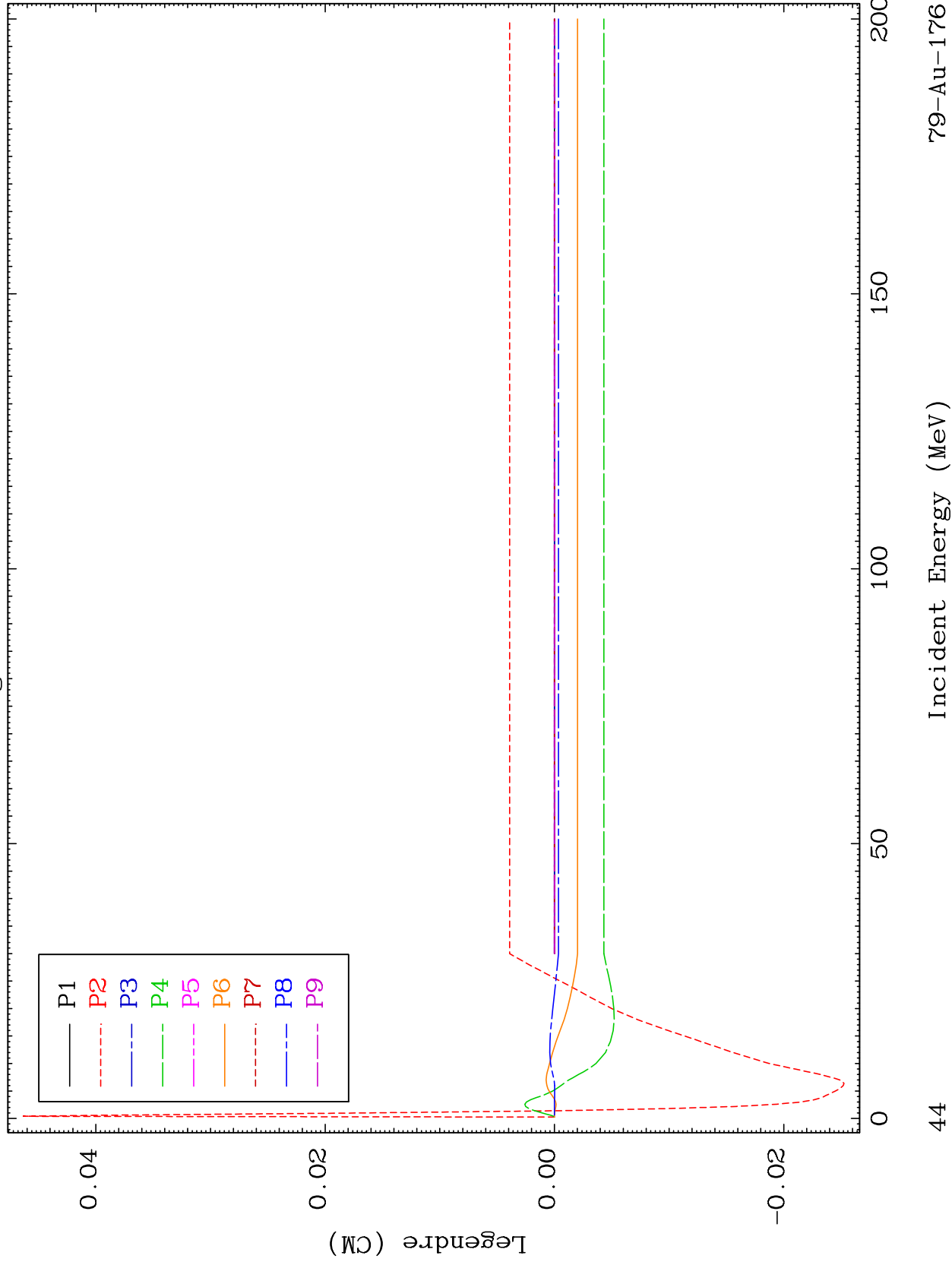
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176

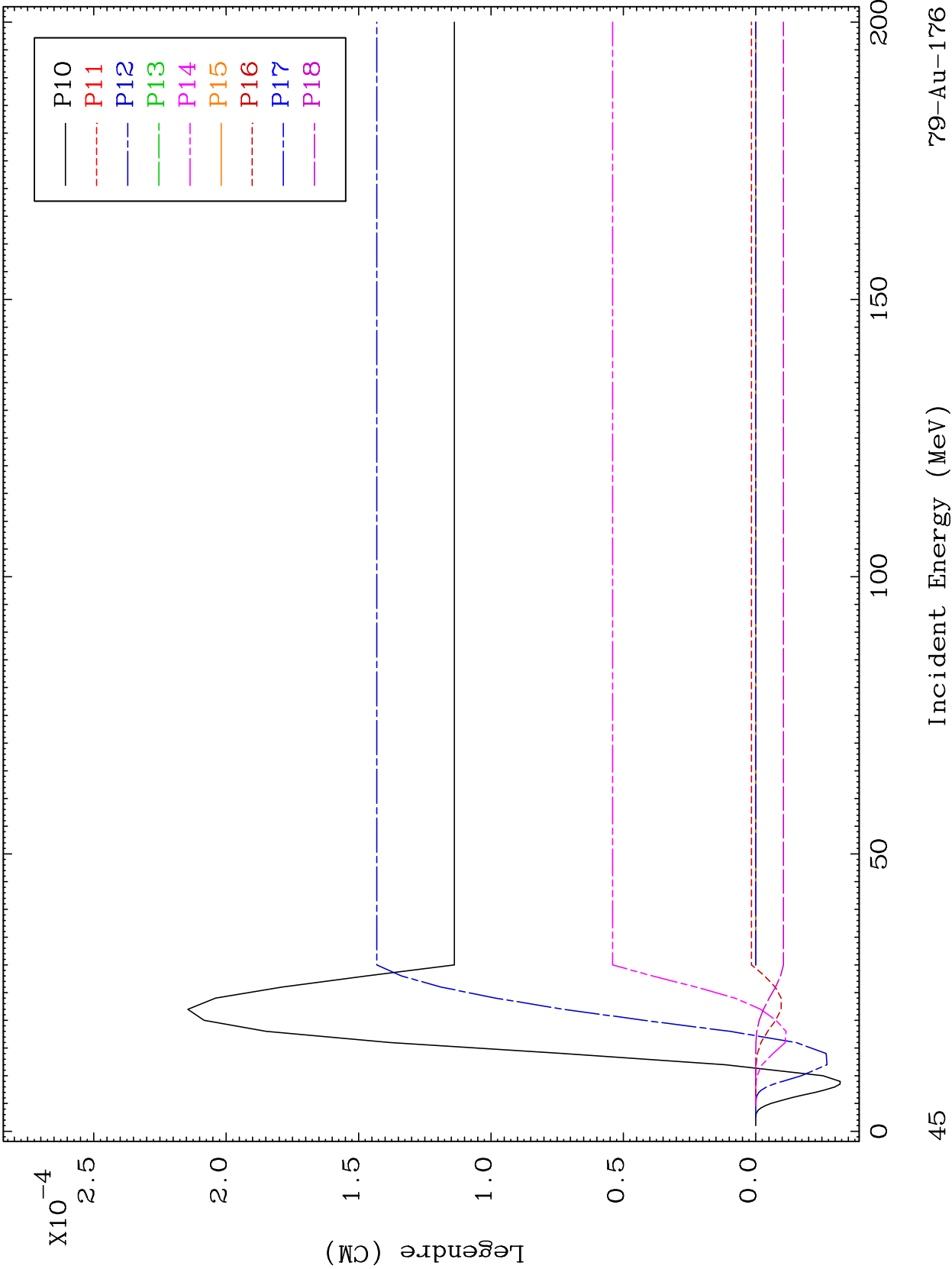


44

MAT 7862

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

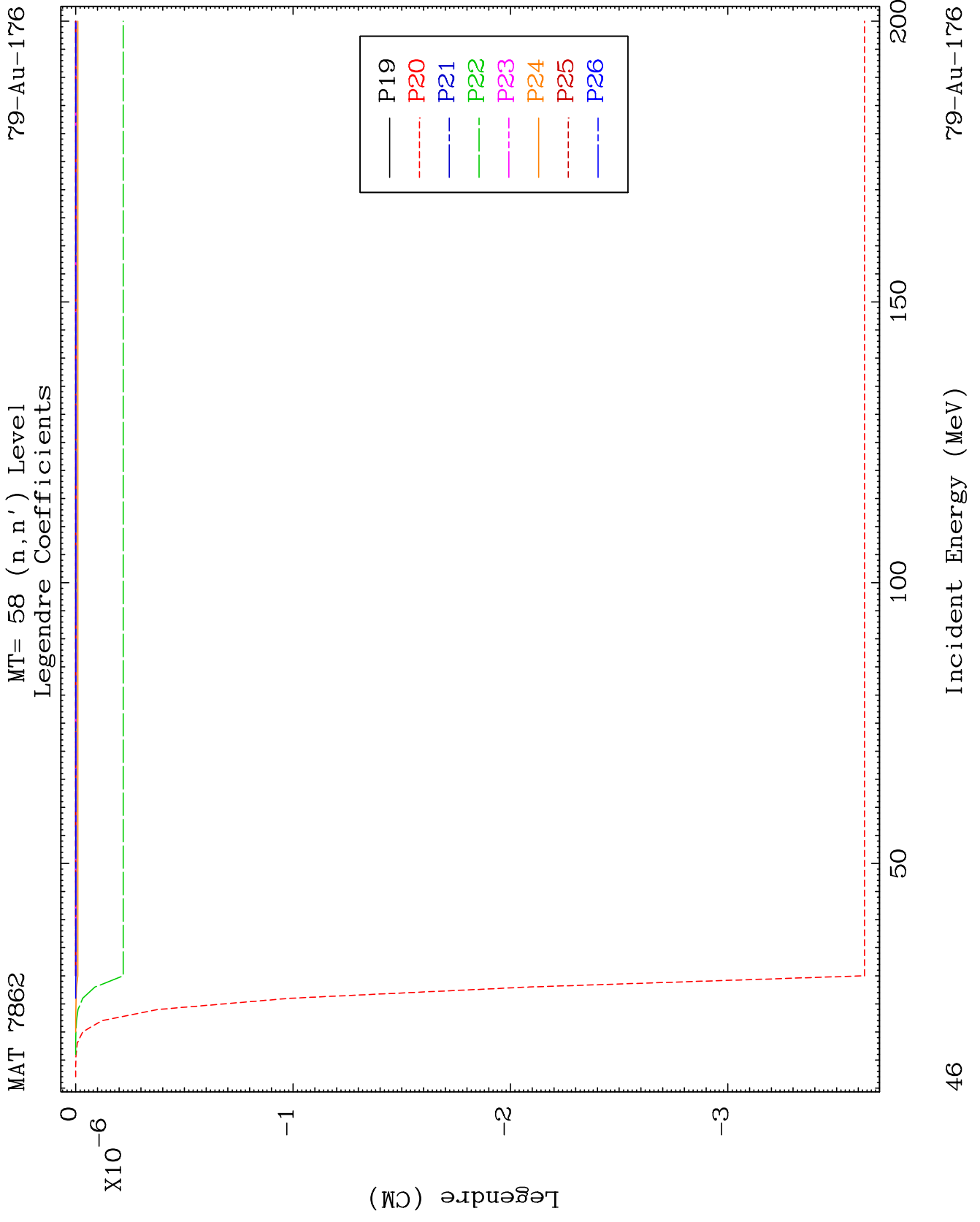
79-Au-176



79-Au-176

Incident Energy (MeV)

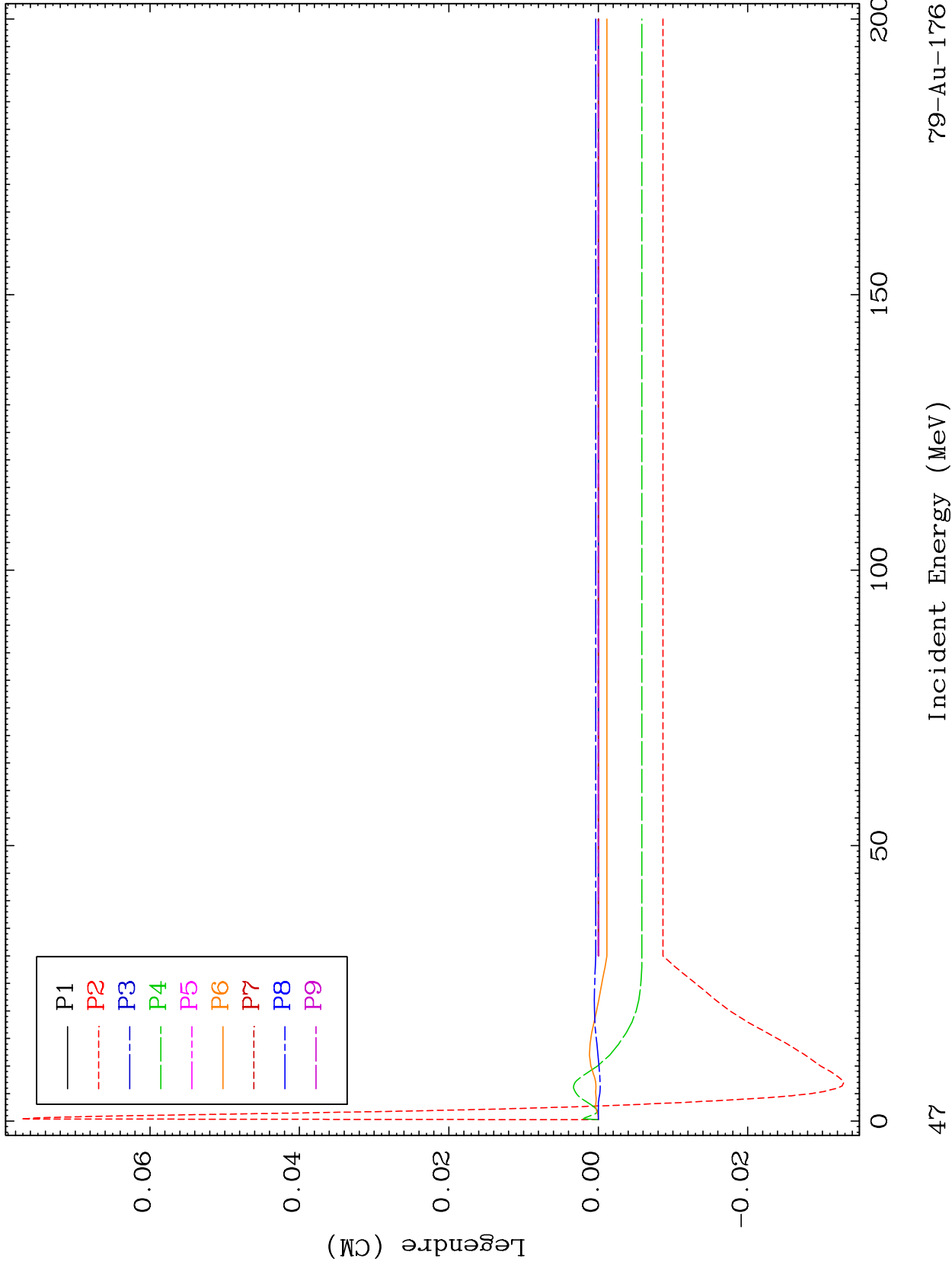
45



MAT 7862

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

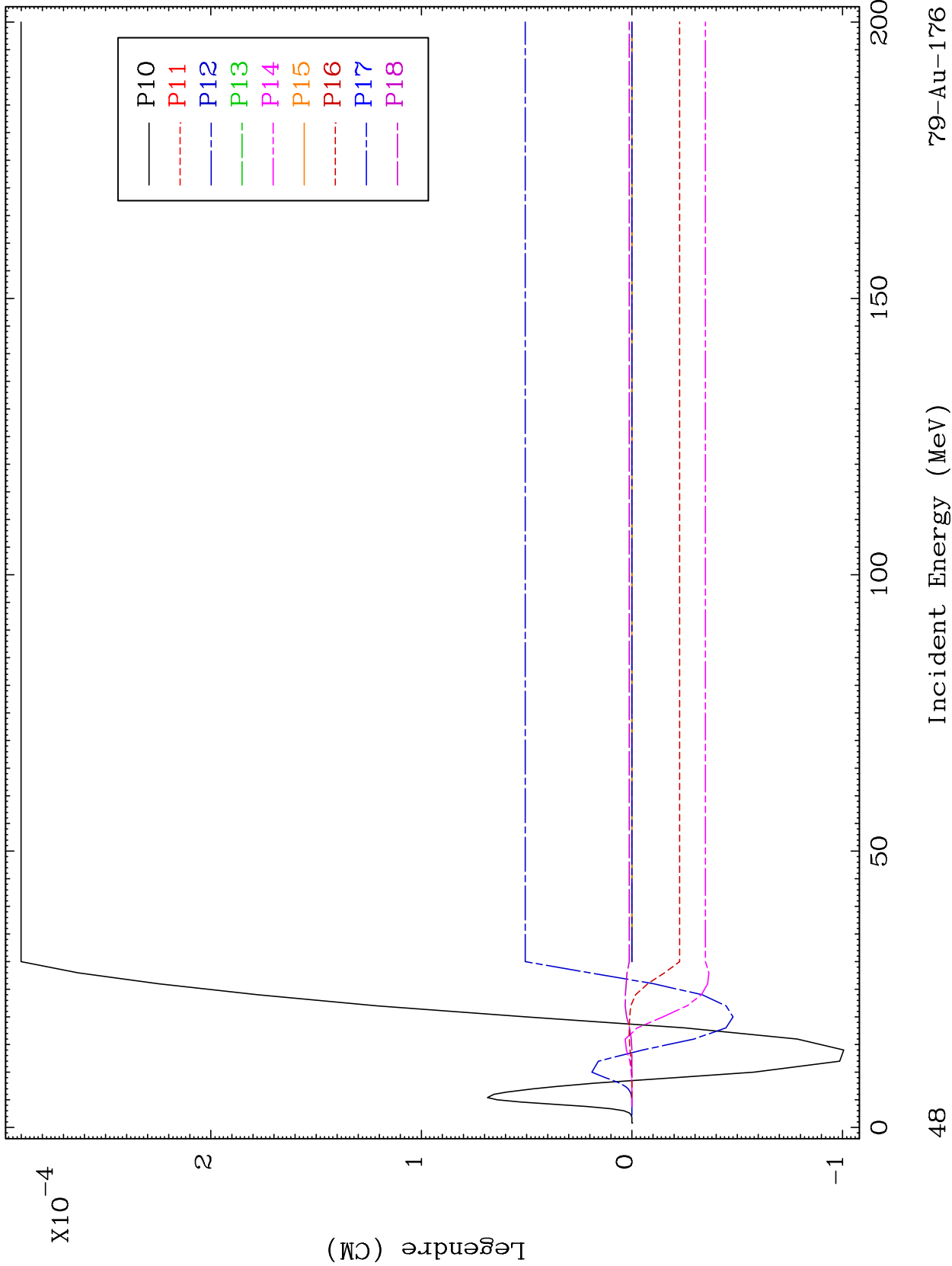
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MAT 7862

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

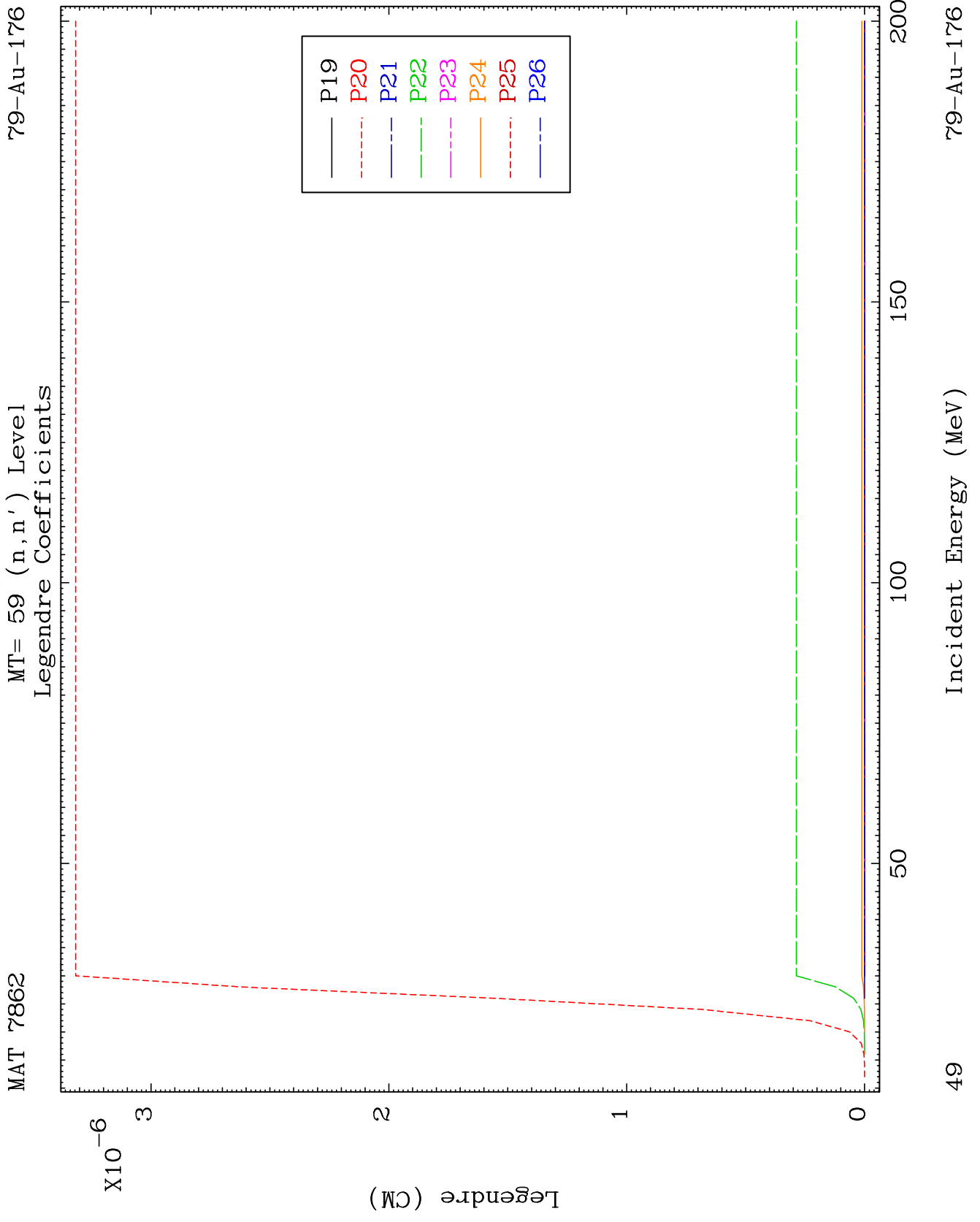
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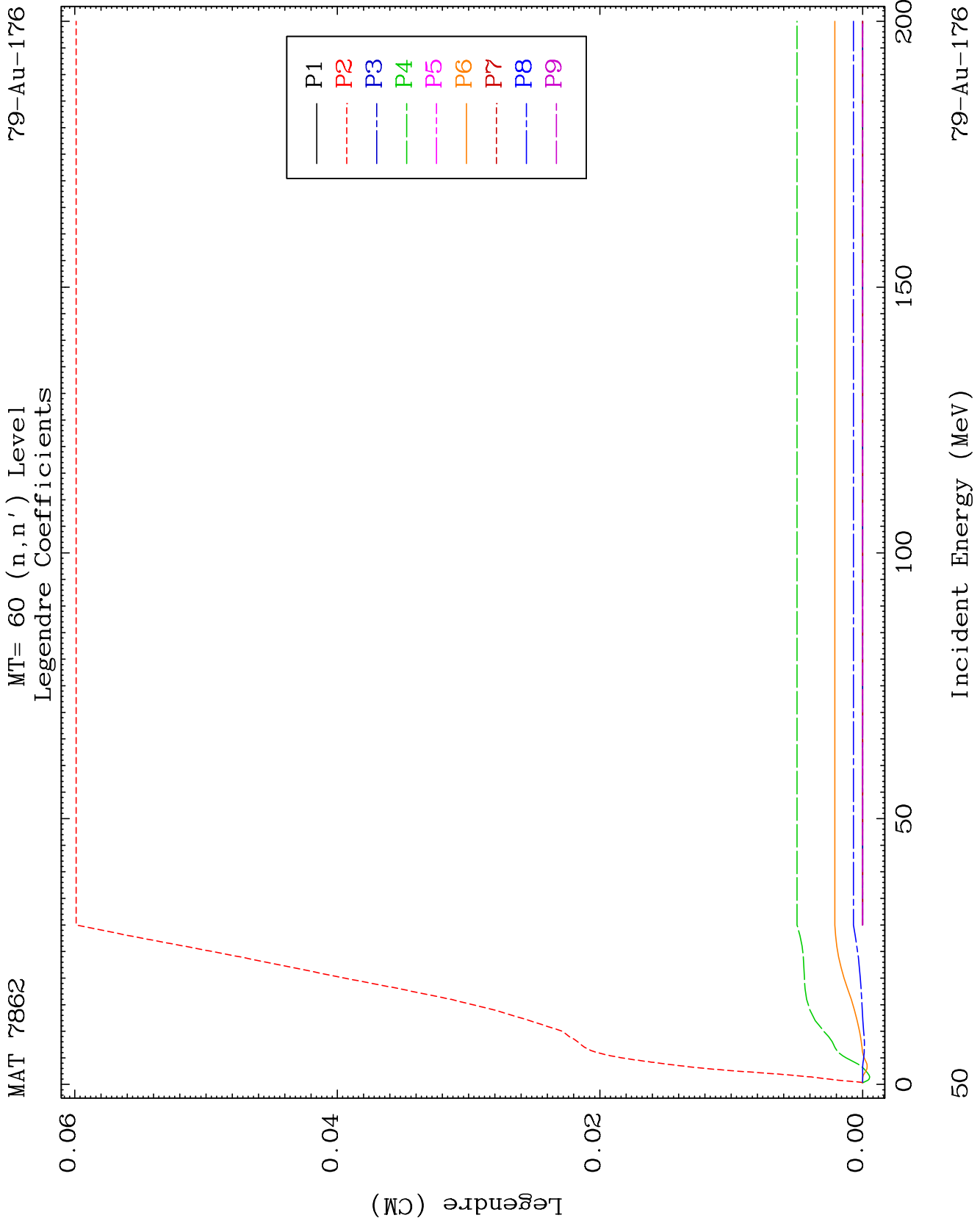


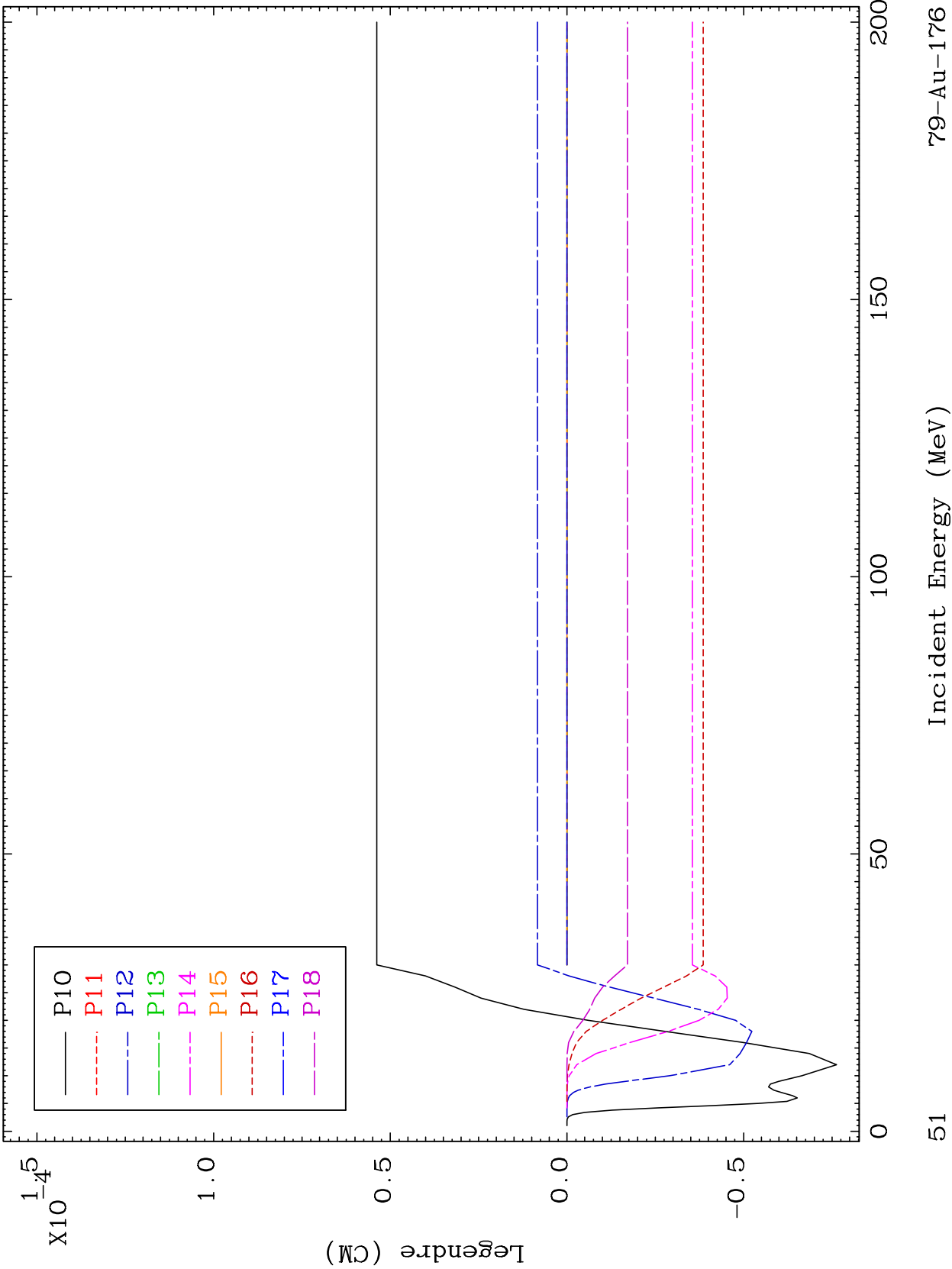
79-Au-176

Incident Energy (MeV)

48



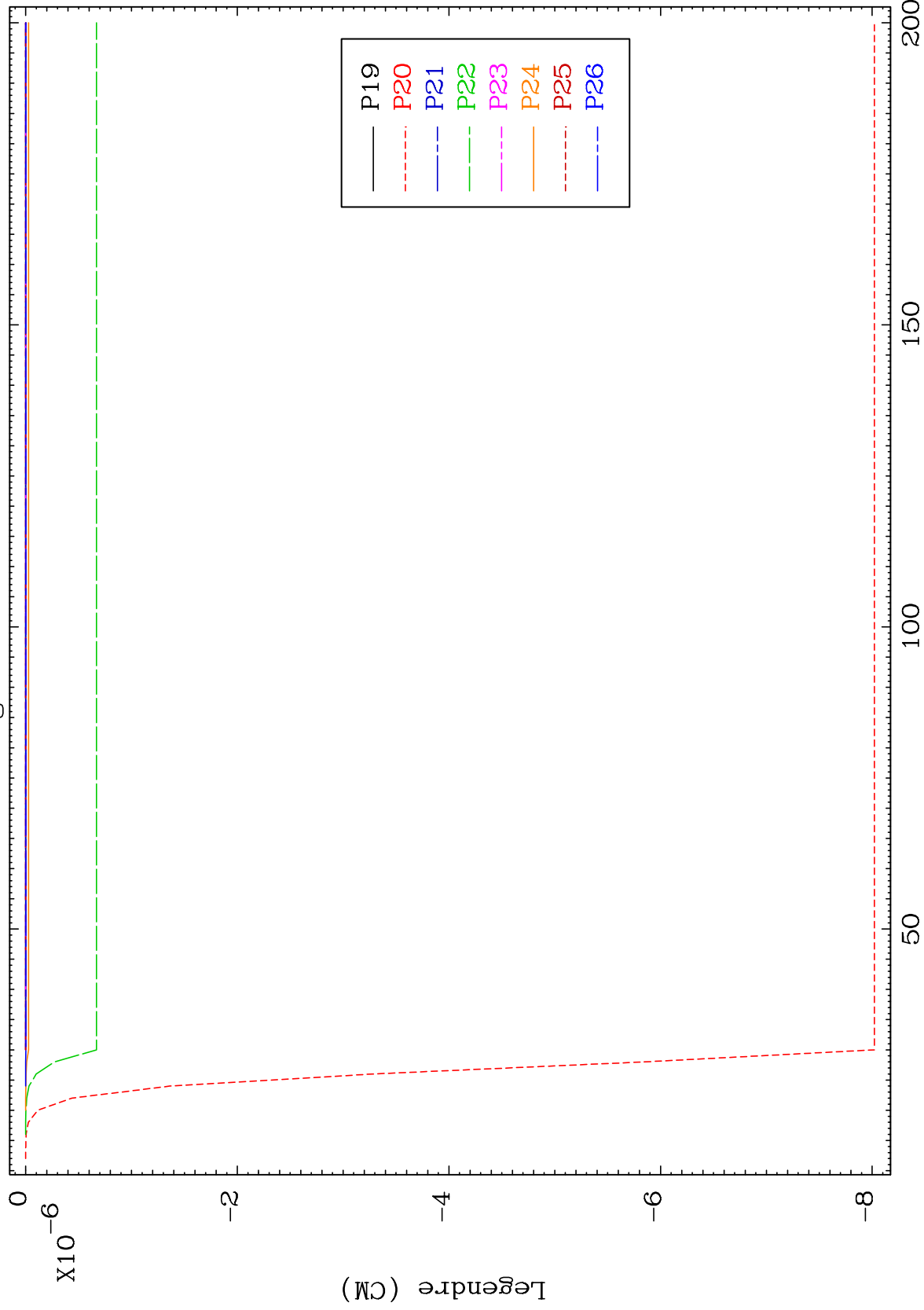




MAT 7862

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

79-Au-176



52

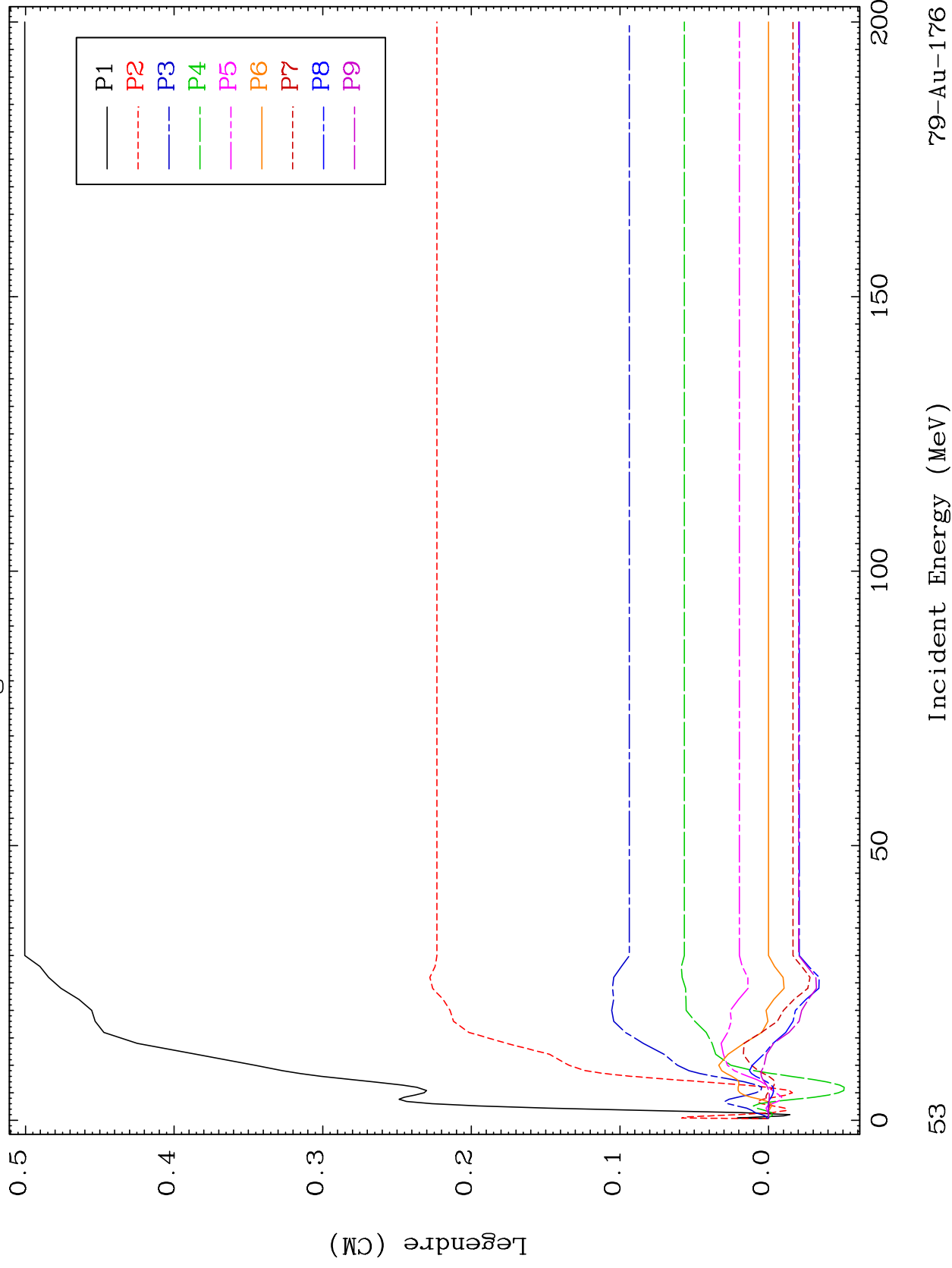
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79-Au-176

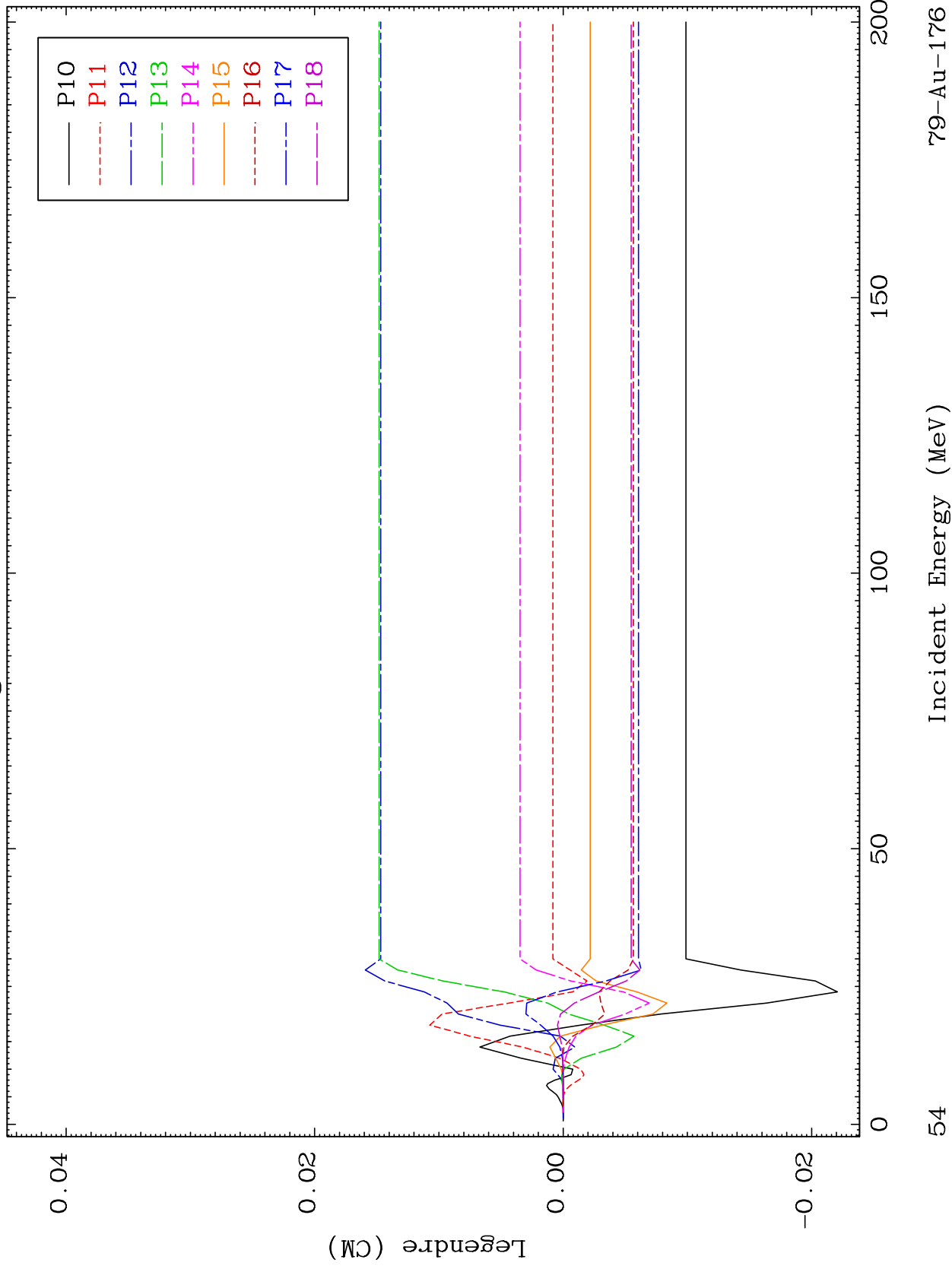
Incident Energy (MeV)

53

MAT 7862

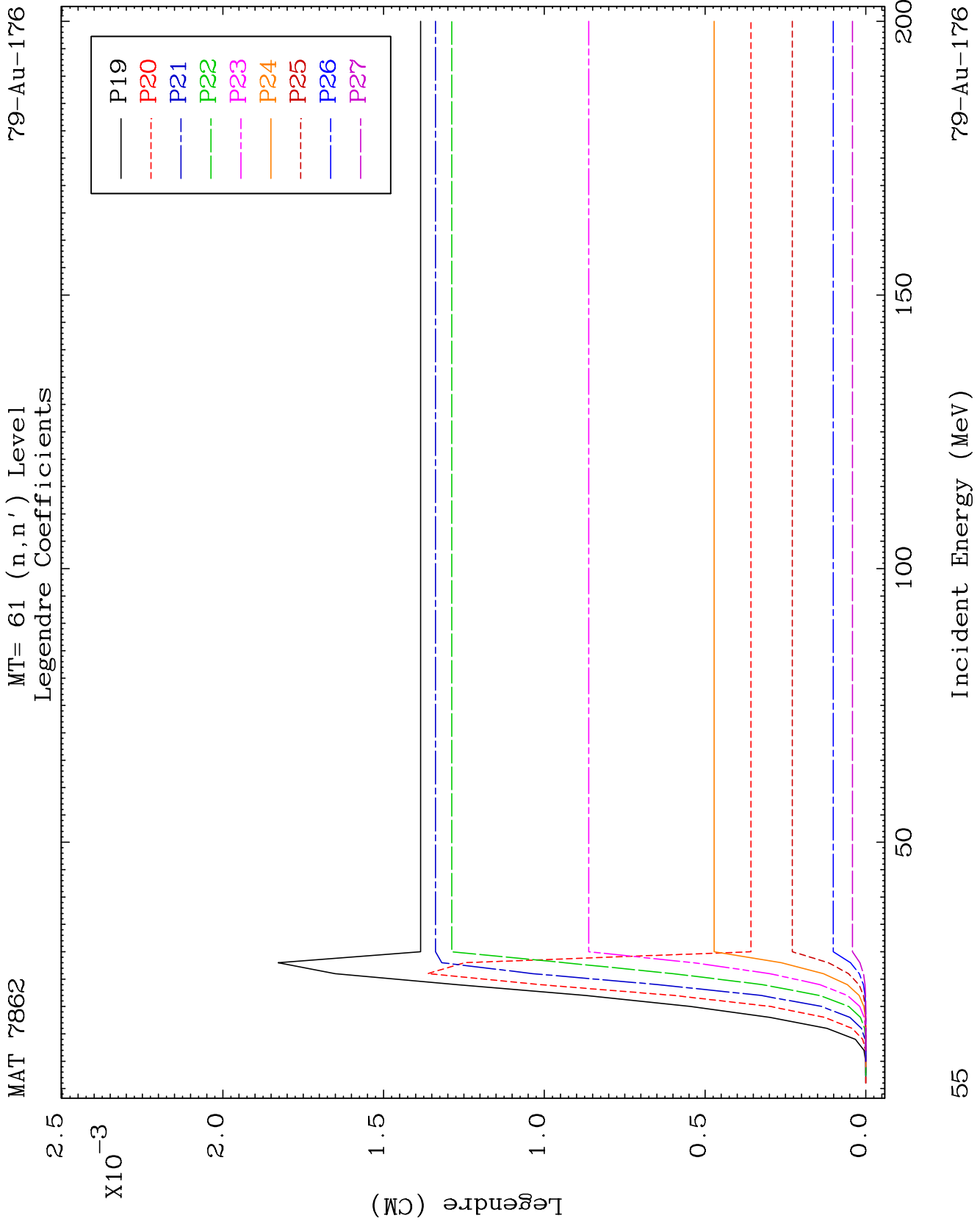
MT= 61 (n,n') Level
Legendre Coefficients

79-Au-176



54

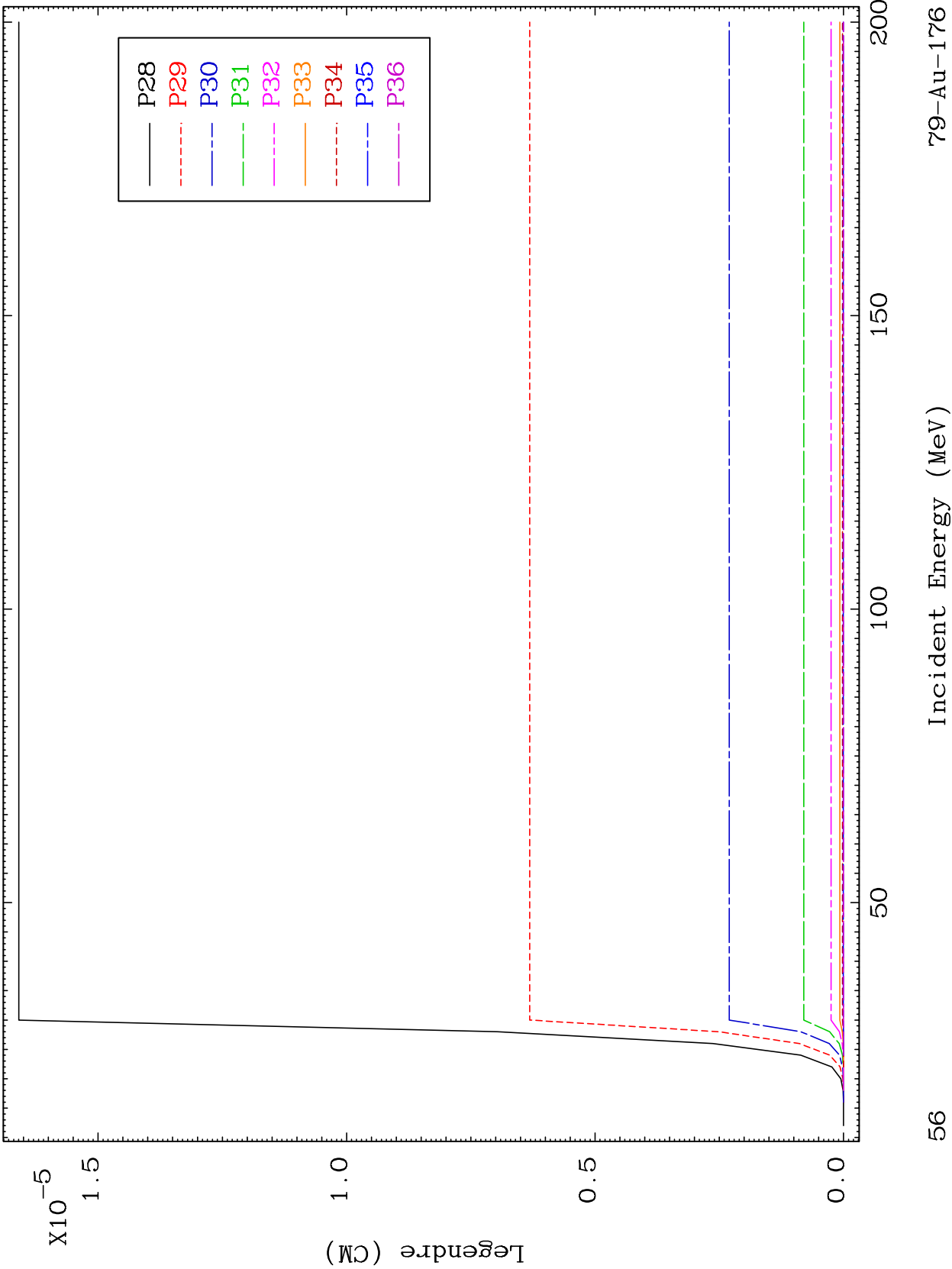
79-Au-176



MAT 7862

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

79-Au-176



56

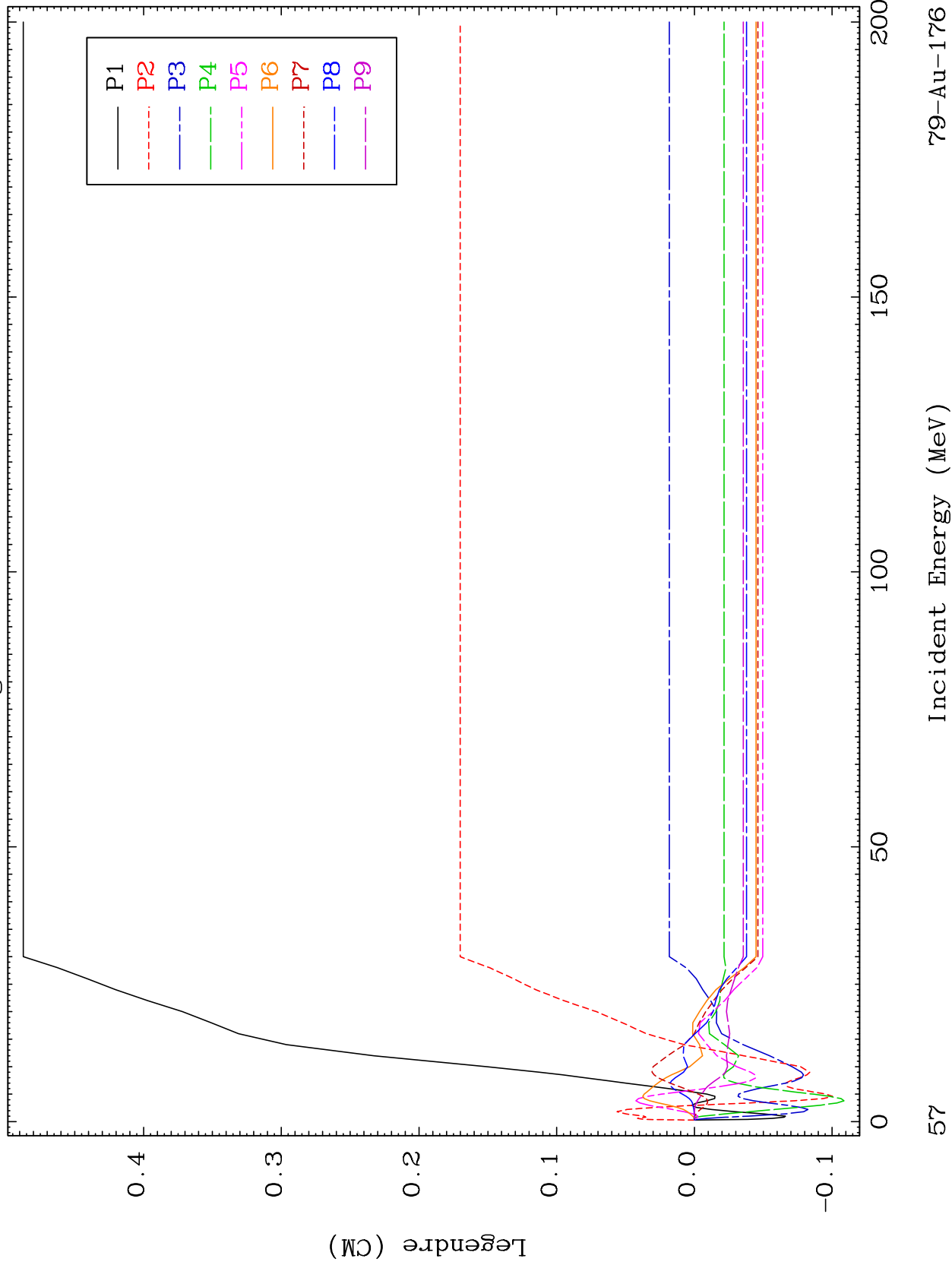
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79-Au-176

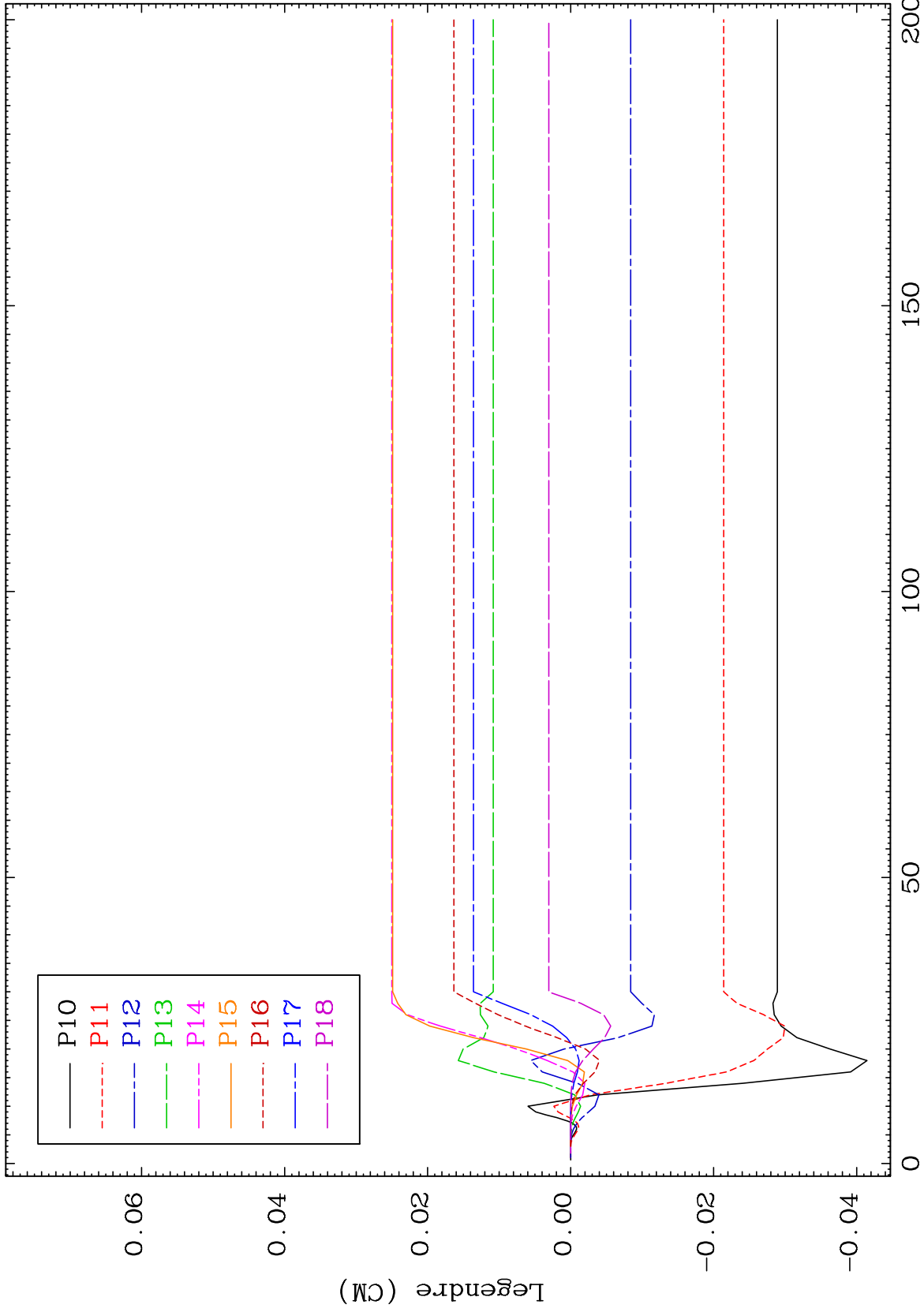
Incident Energy (MeV)

57

MAT 7862

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

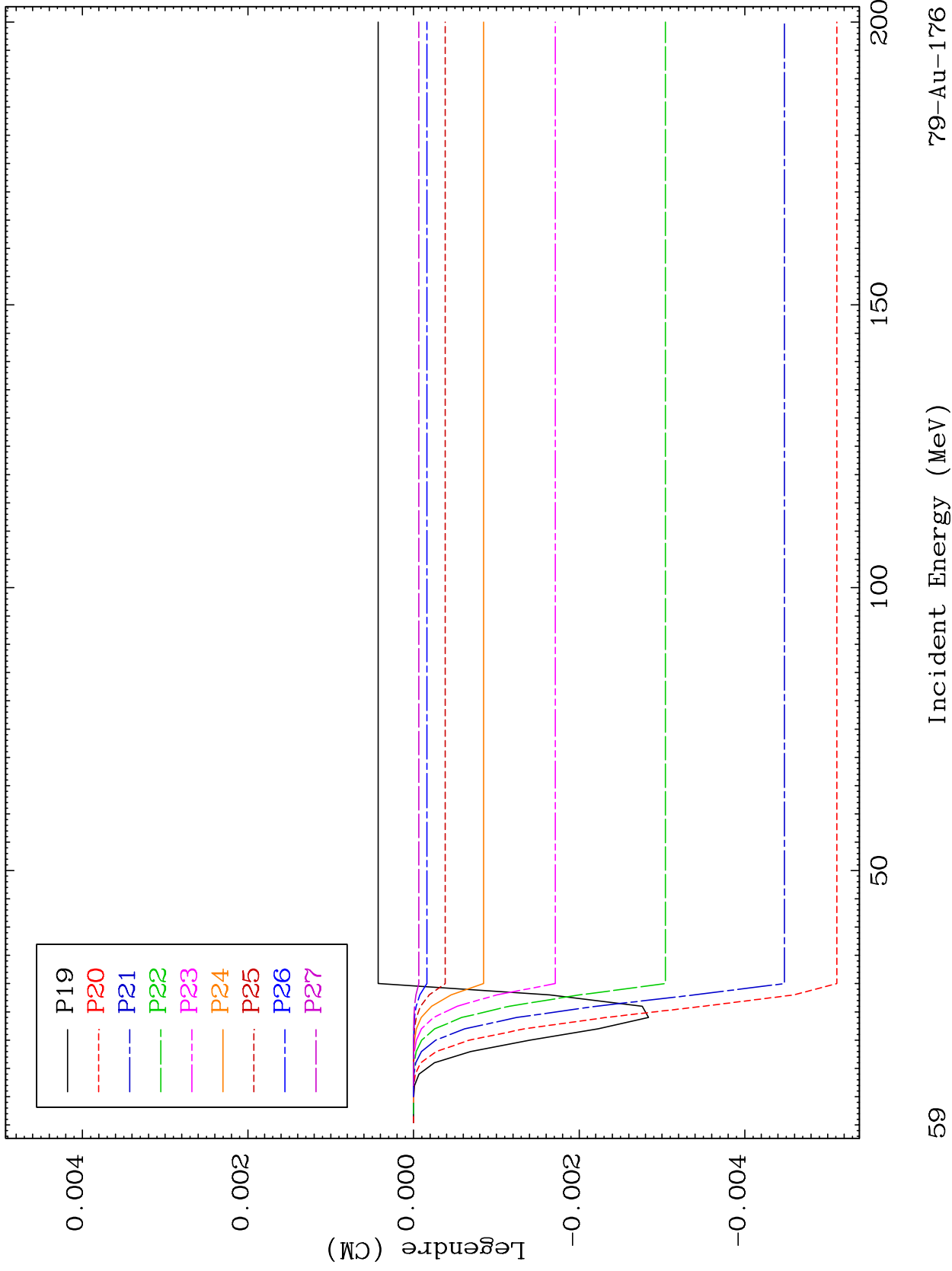
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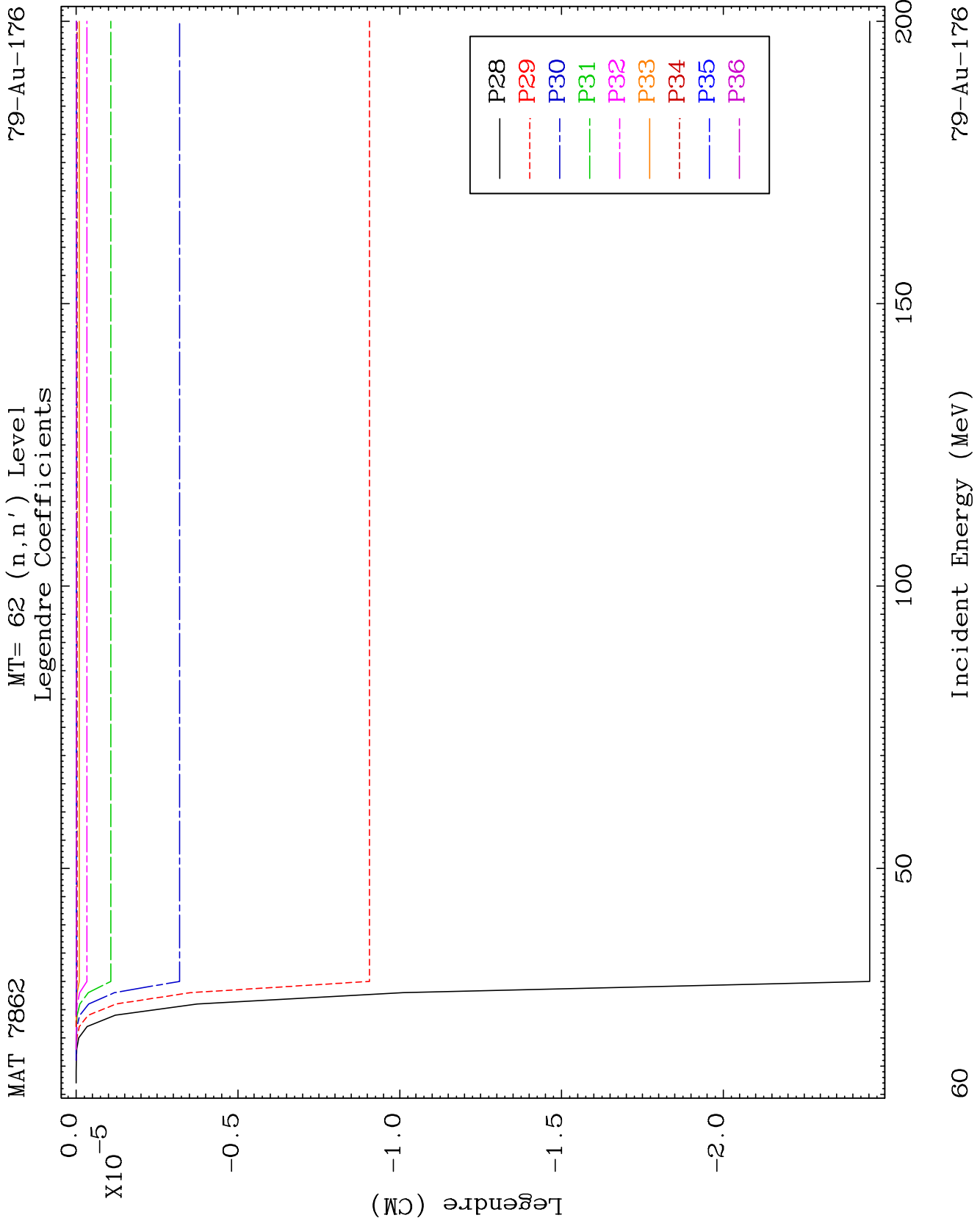


58

Incident Energy (MeV)

79-Au-176

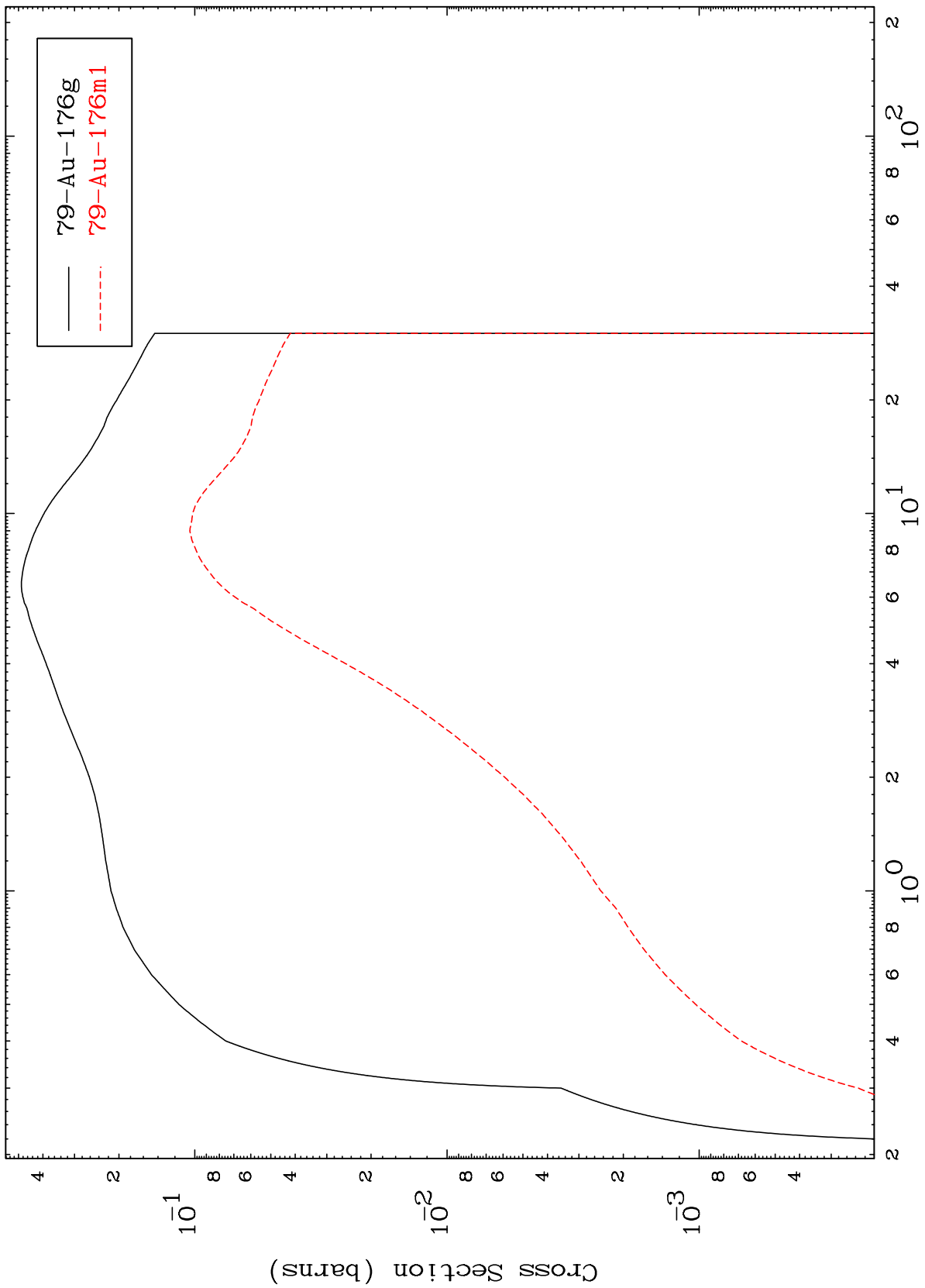




MAT 7862

79-Au-176

Inelastic
Radionuclide Production Cross Section



61

Incident Energy (MeV)

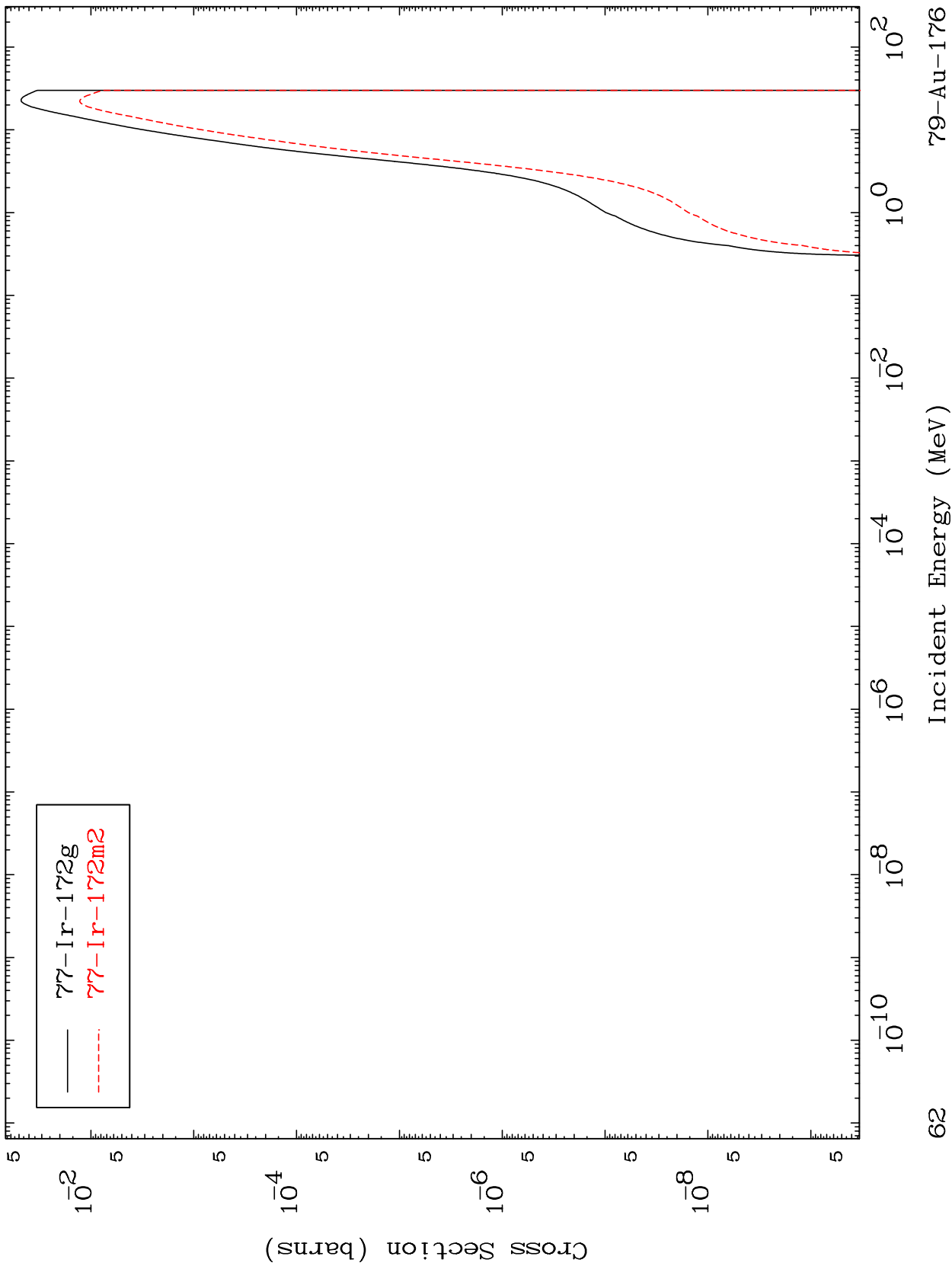
79-Au-176

MAT 7862

$(n, n') \alpha$

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

Radionuclide Production Cross Section



62

Incident Energy (MeV)

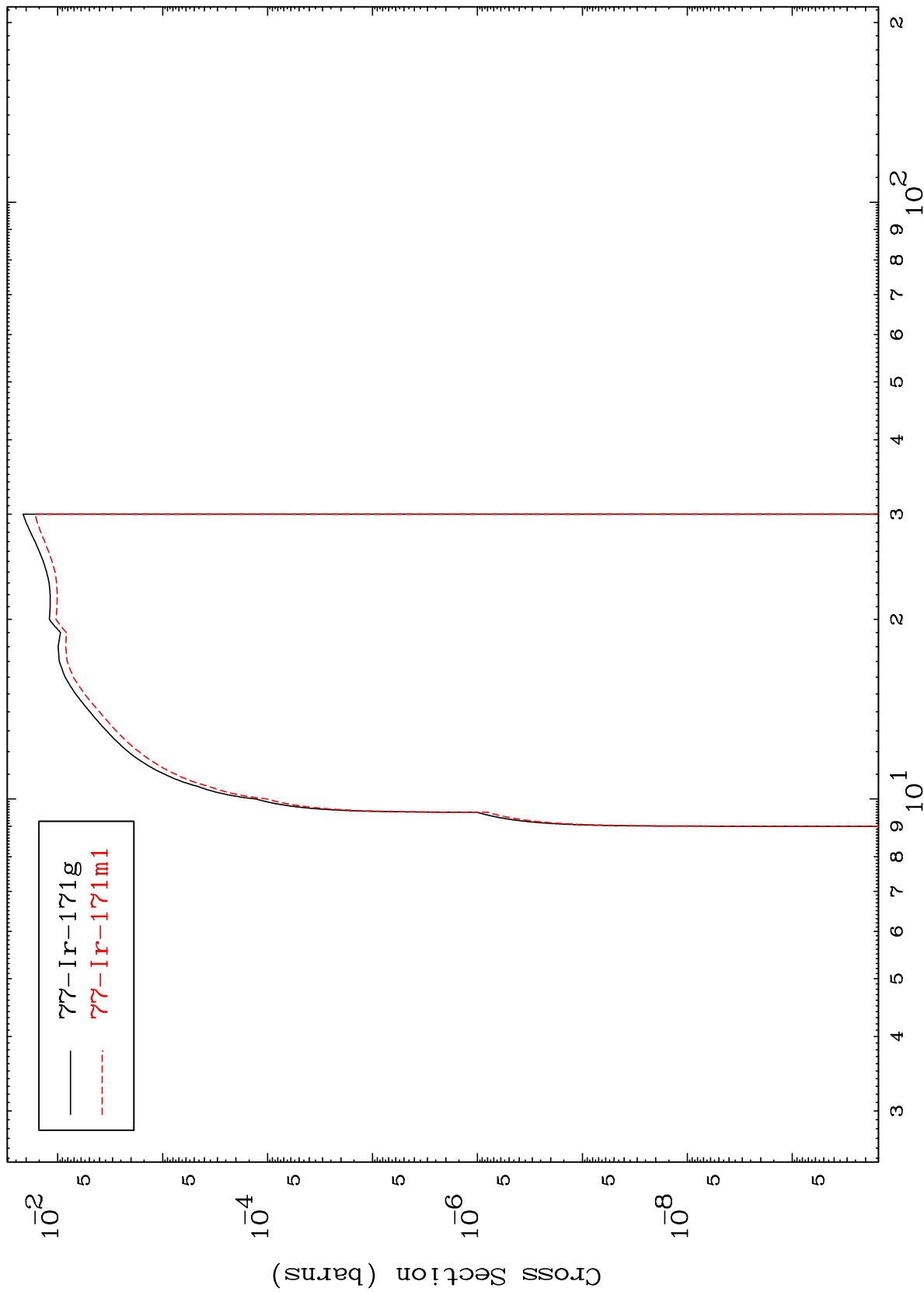
$^{79}\text{Au-176}$

MAT 7862

$(n, 2n)$ α

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

Radionuclide Production Cross Section



Incident Energy (MeV)

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

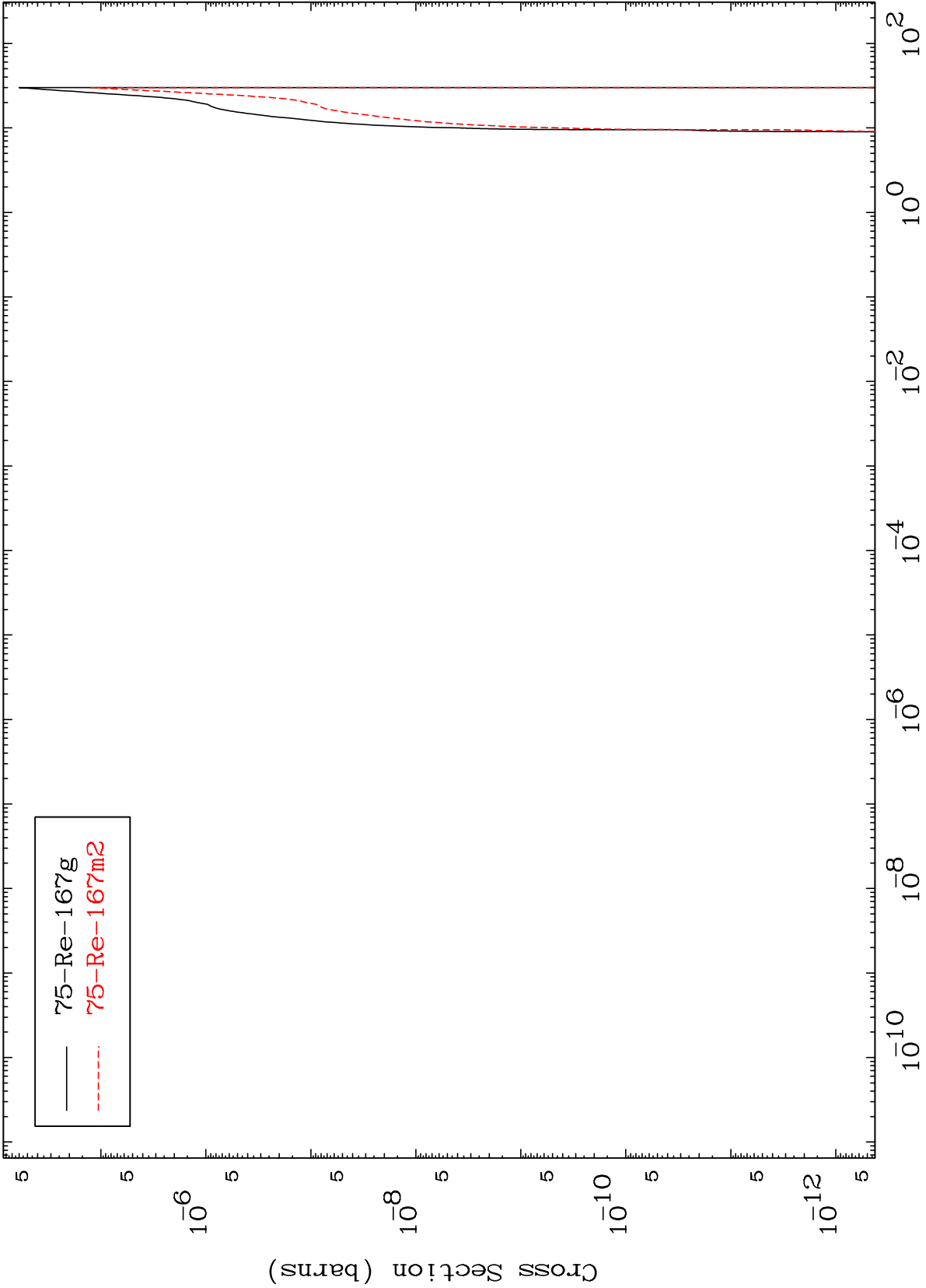
63

MAT 7862

(n,2n) 2α

79-Au-176

Radionuclide Production Cross Section



75-Re-167g
75-Re-167m2

64

Incident Energy (MeV)

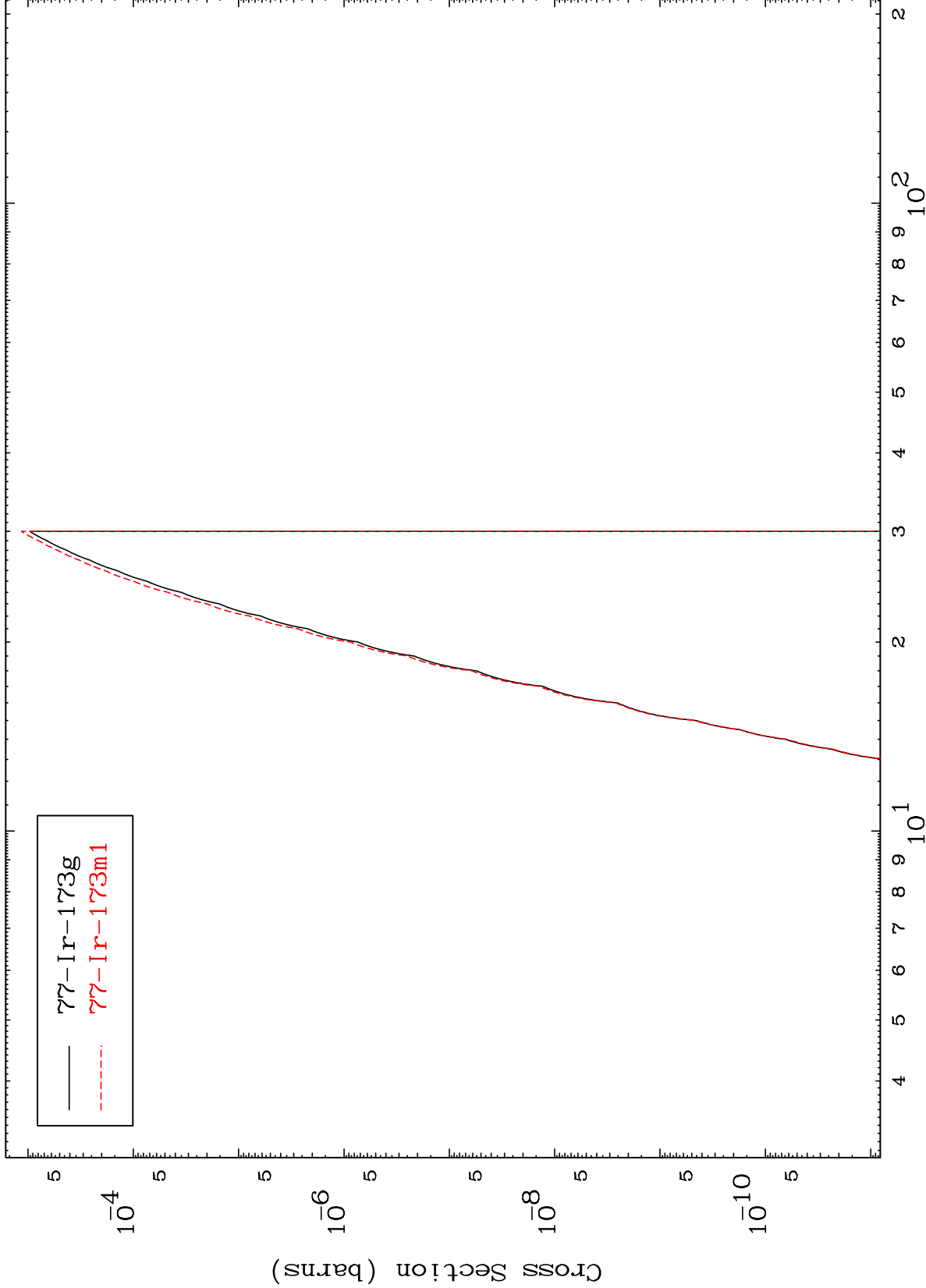
79-Au-176

MAT 7862

(n,n') He-3

79-Au-176

Radionuclide Production Cross Section



— $^{77}\text{Ir-173g}$
- - - $^{77}\text{Ir-173m1}$

65

Incident Energy (MeV)

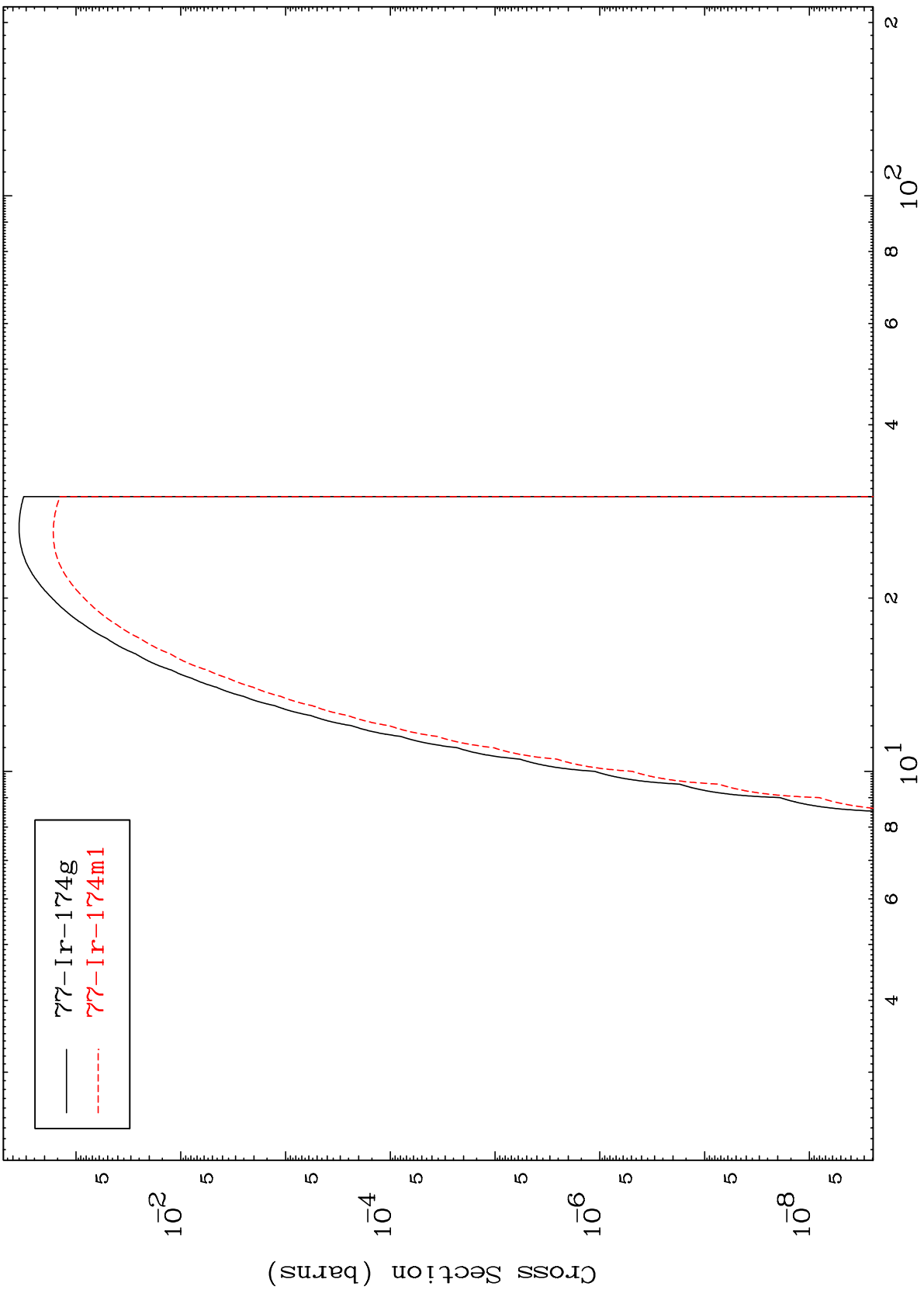
79-Au-176

MAT 7862

(n,2n) p

79-Au-176

Radionuclide Production Cross Section

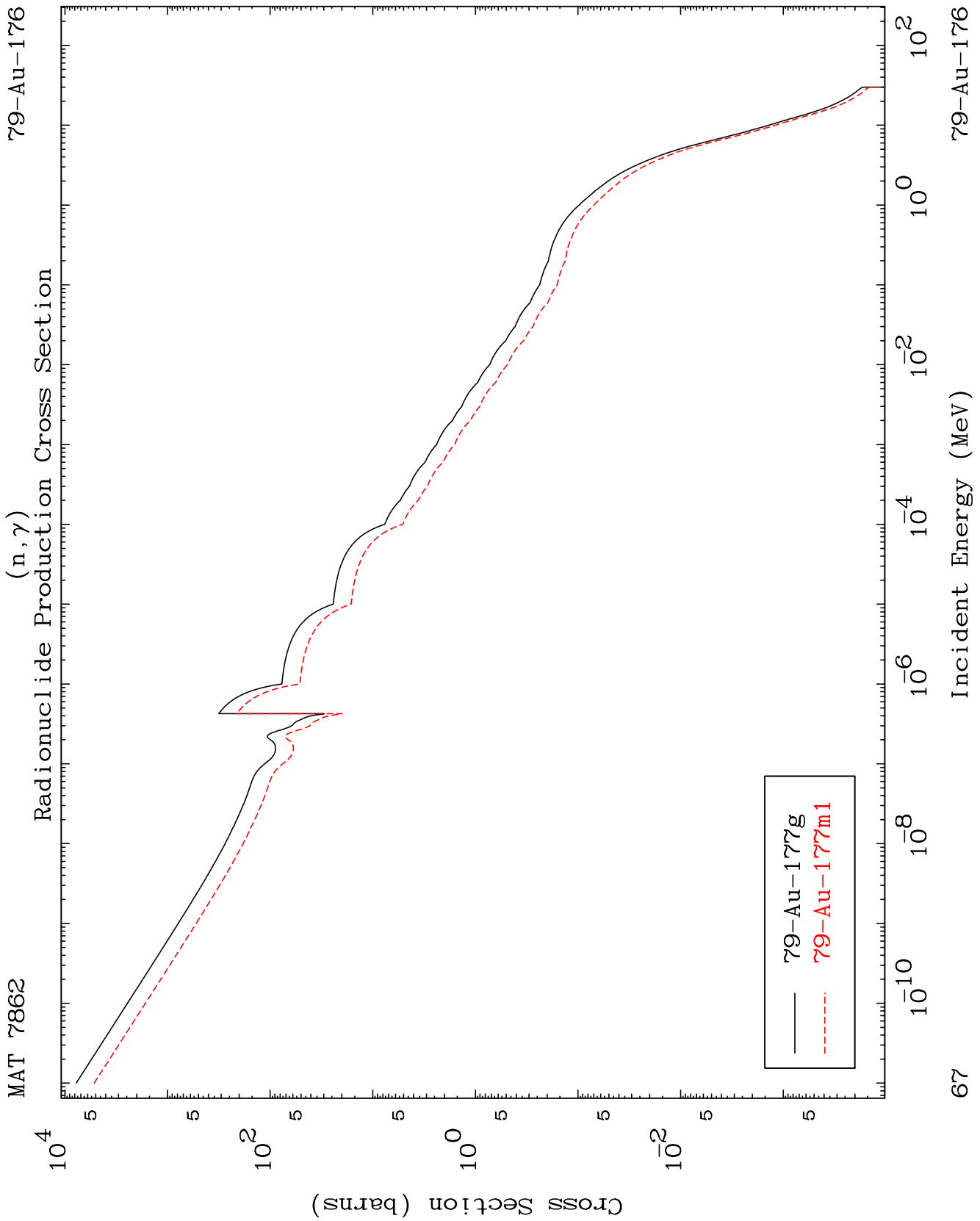


77-Ir-174g
77-Ir-174m1

66

Incident Energy (MeV)

79-Au-176

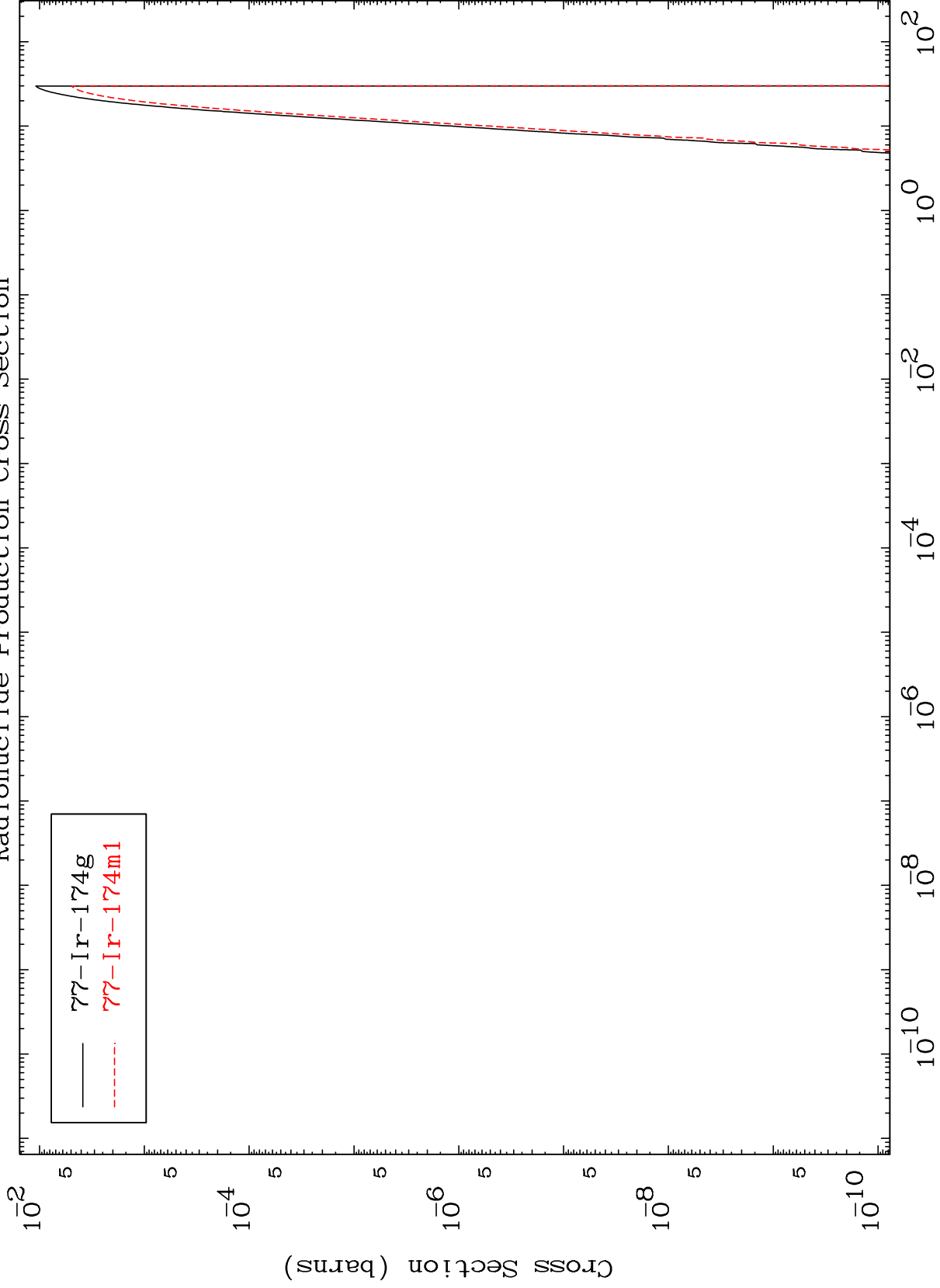


MAT 7862

(n,He-3)

79-Au-176

Radionuclide Production Cross Section



68

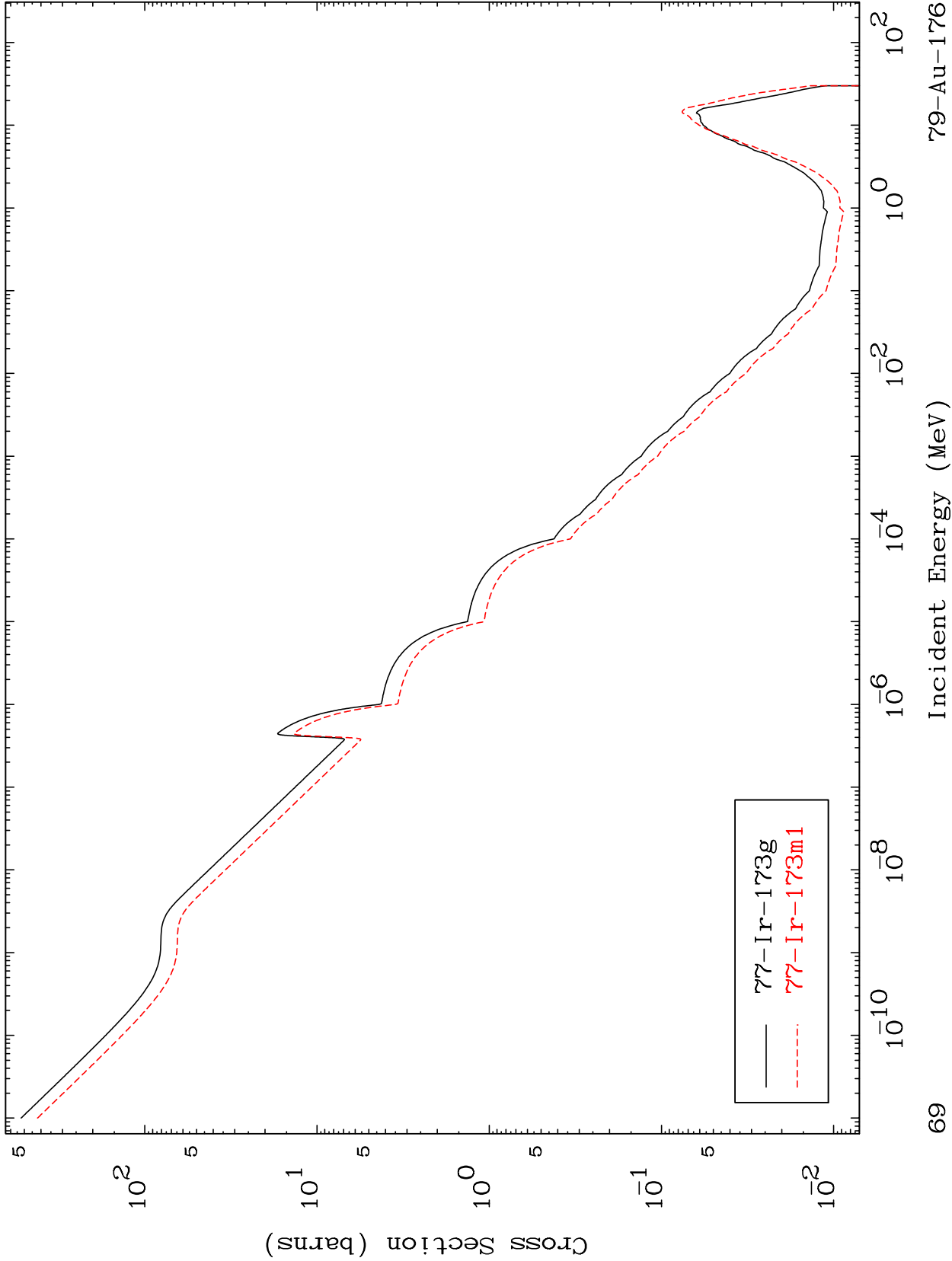
Incident Energy (MeV)

79-Au-176

MAT 7862

79-Au-176

(n, α)
Radionuclide Production Cross Section



69

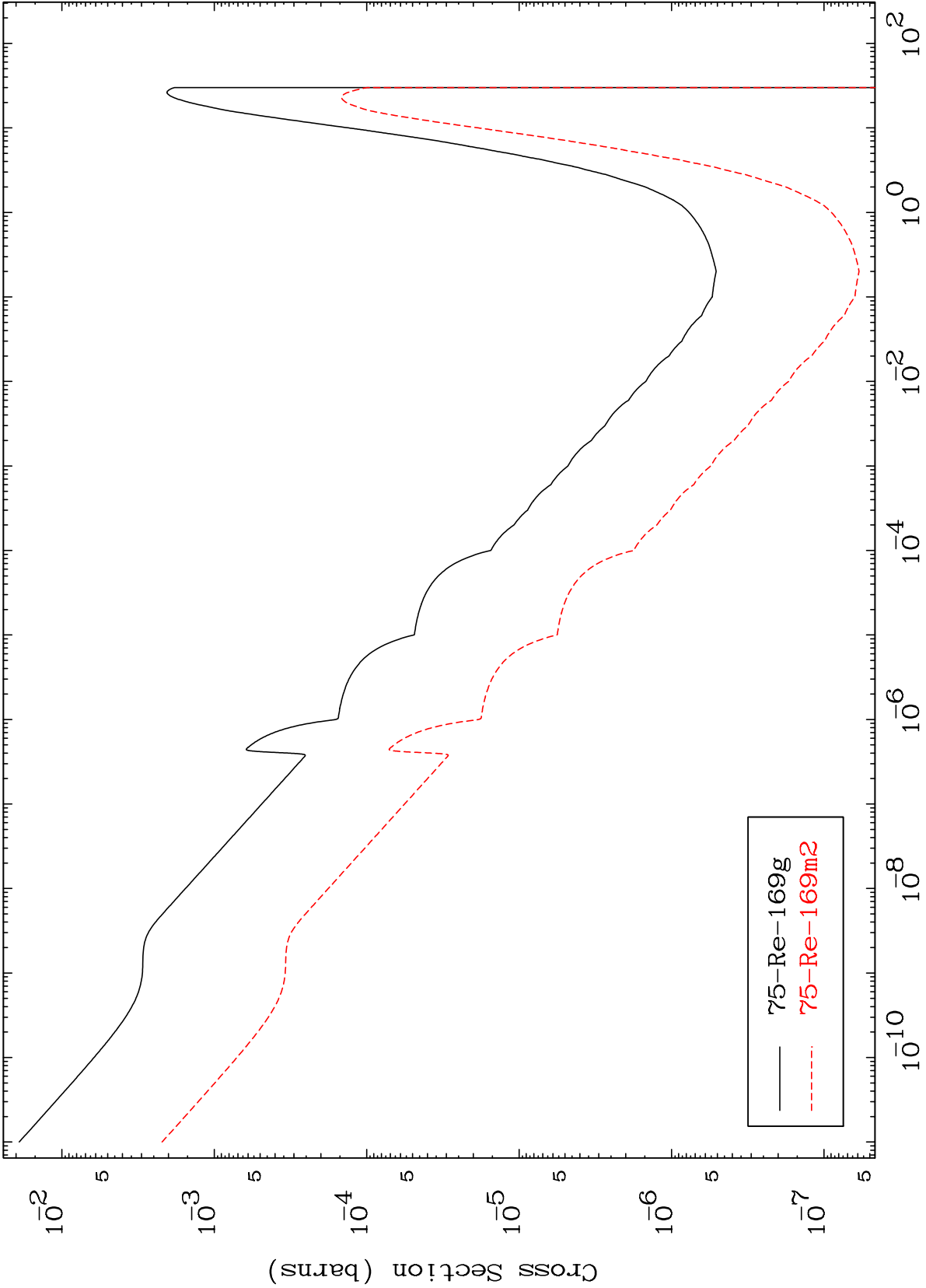
79-Au-176

MAT 7862

(n,2α)

79-Au-176

Radionuclide Production Cross Section



— 75-Re-169g
- - - 75-Re-169m2

70

Incident Energy (MeV)

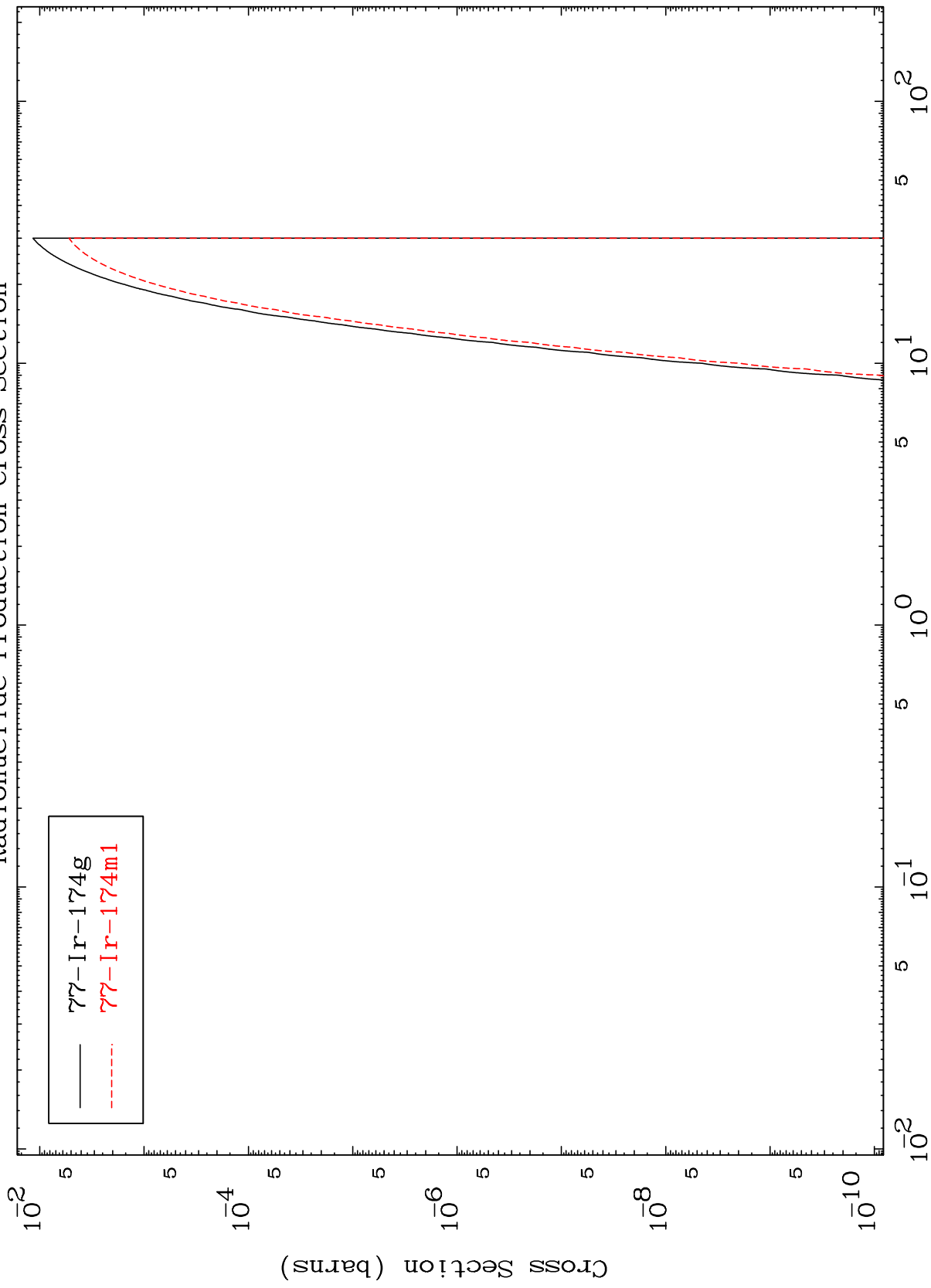
79-Au-176

MAT 7862

(n,p) d

⁷⁹Au-176

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷⁹Au-176

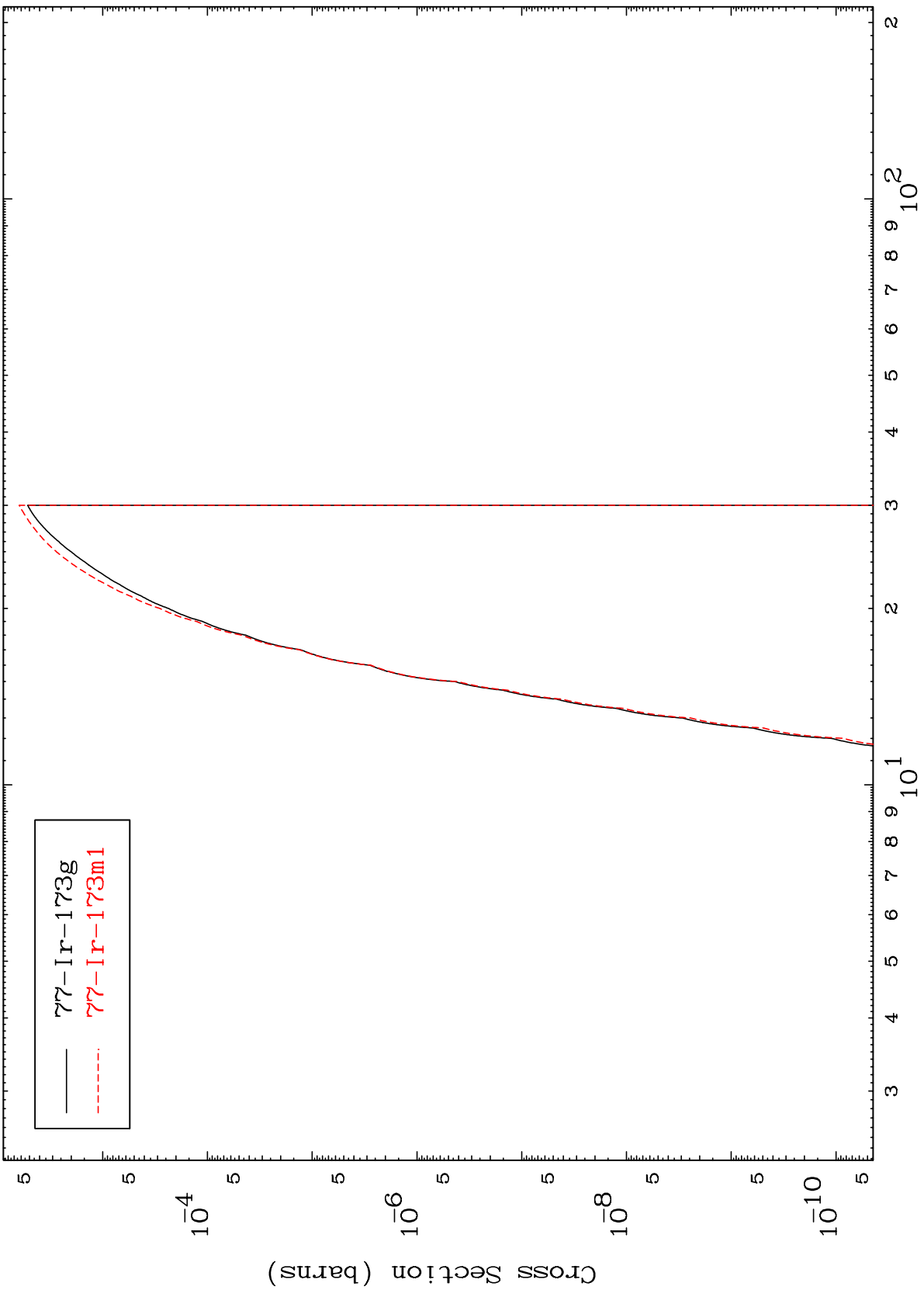
71

MAT 7862

(n,p) t

⁷⁹Au-176

Radionuclide Production Cross Section



72

Incident Energy (MeV)

⁷⁹Au-176