

Program EVALPLOT
(Version 2015-2)

by

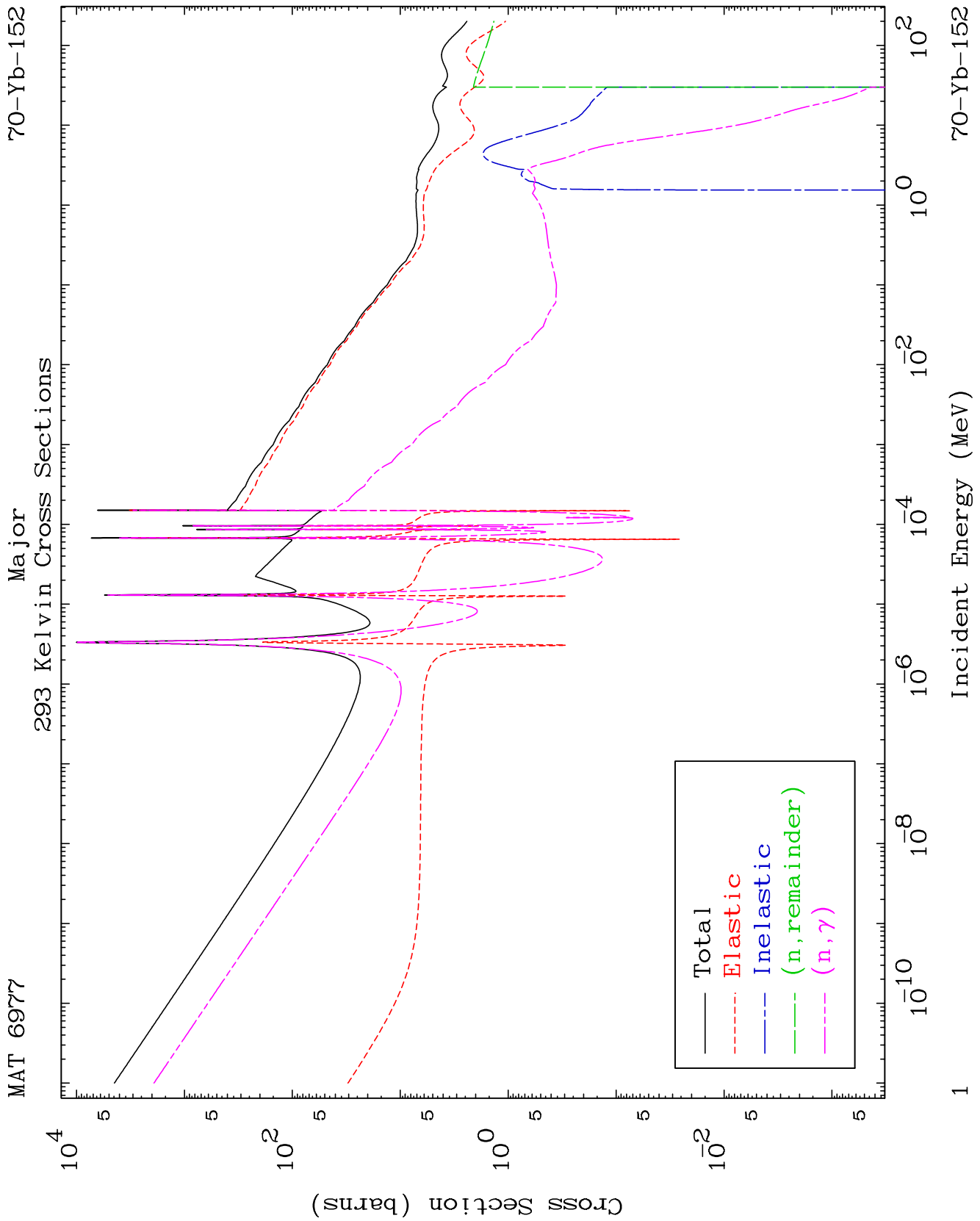
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Web:home.comcast.net/~redcullen1

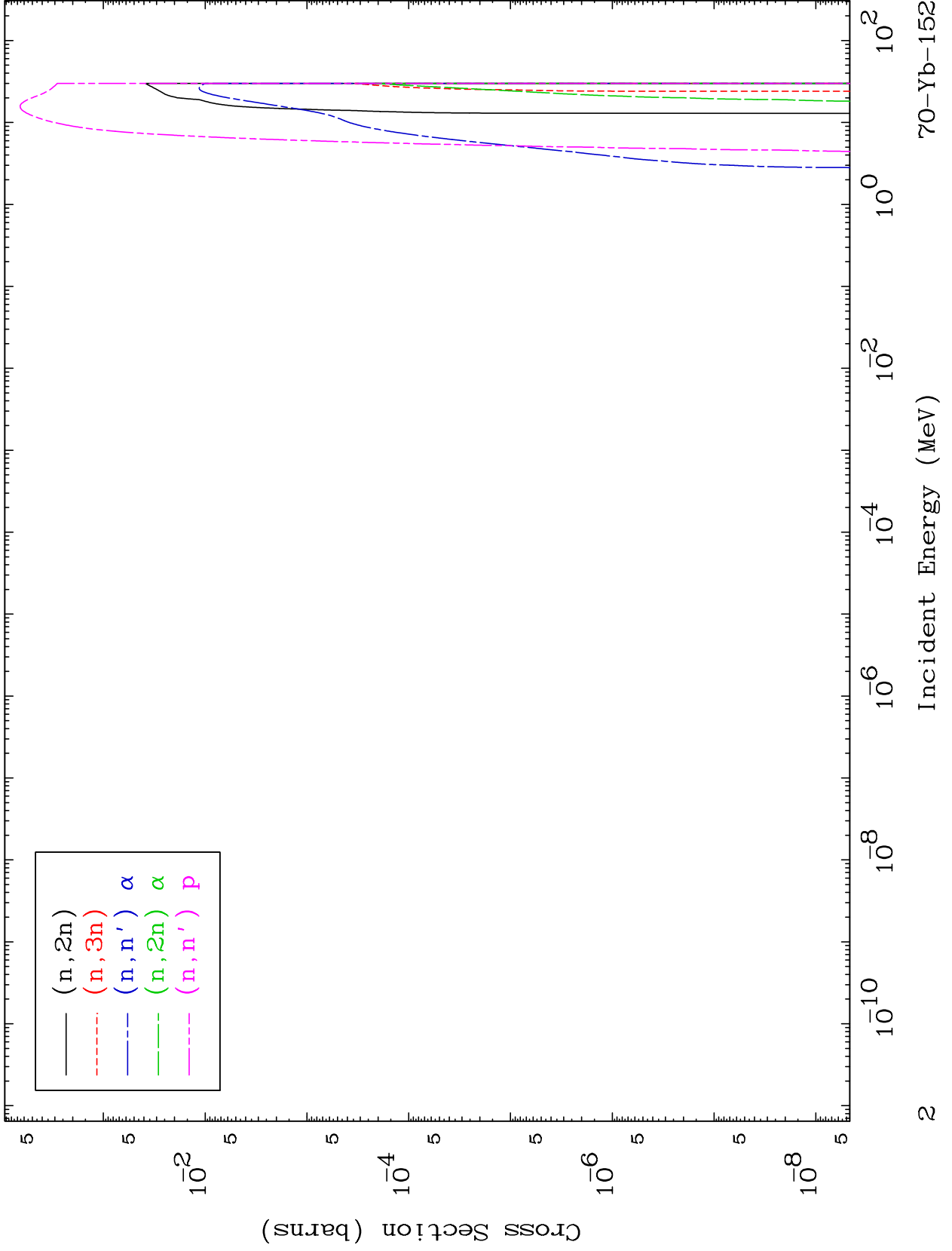
Press Mouse Button to Start



MAT 6977

Neutron Production
293 Kelvin Cross Sections

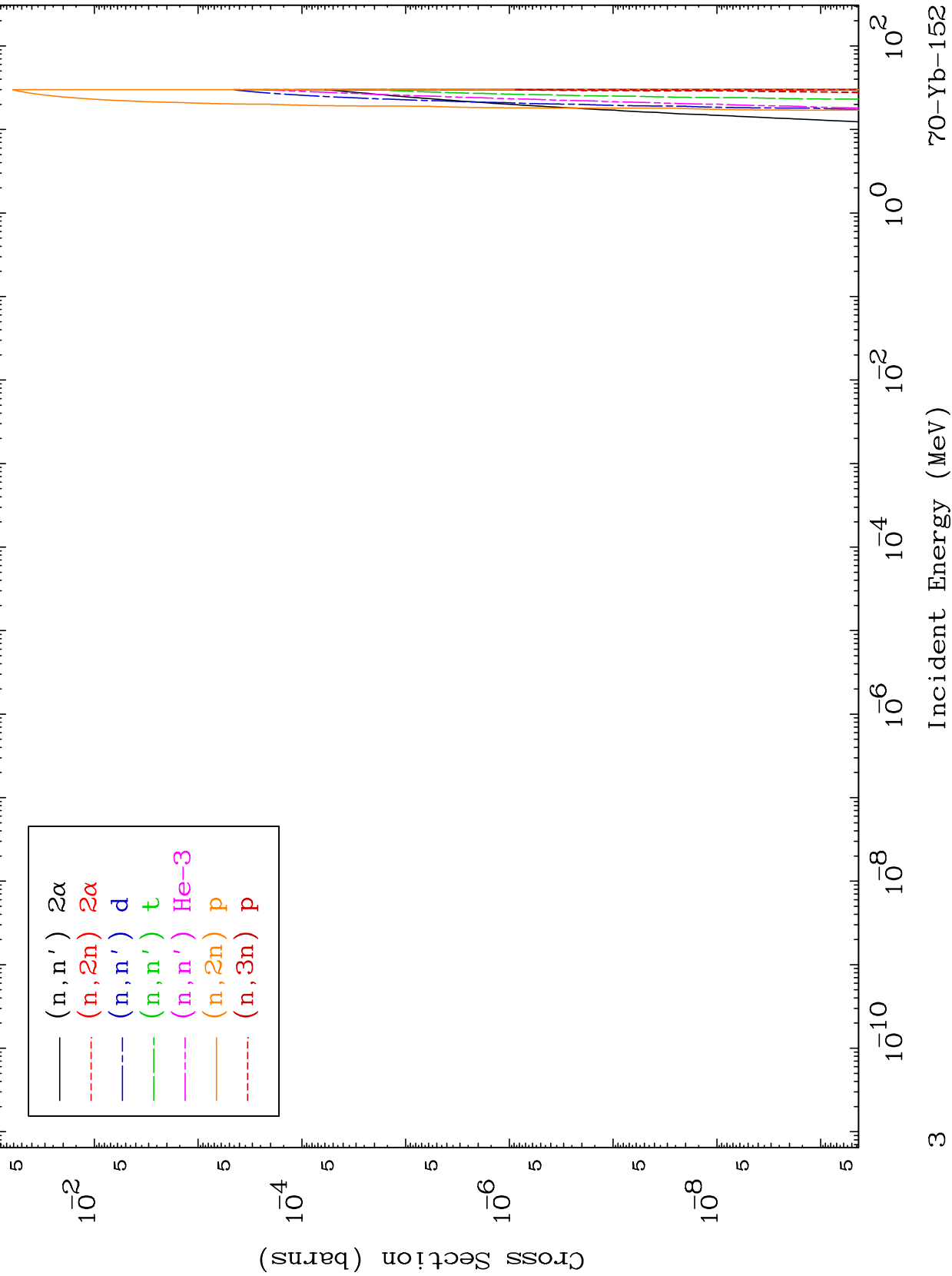
70-Yb-152



MAT 6977

Neutron Production
293 Kelvin Cross Sections

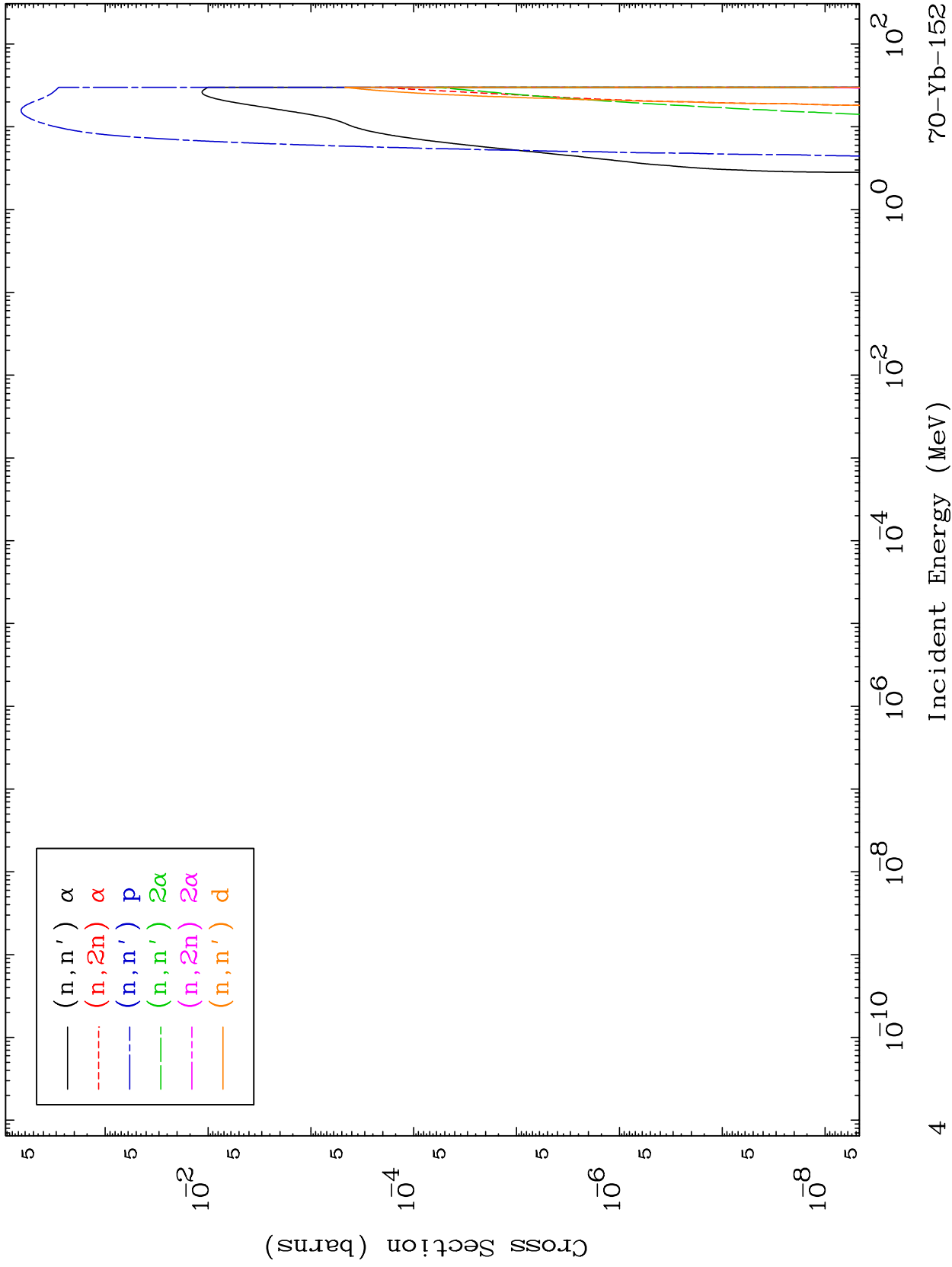
70-Yb-152



MAT 6977

Charged Particle
293 Kelvin Cross Sections

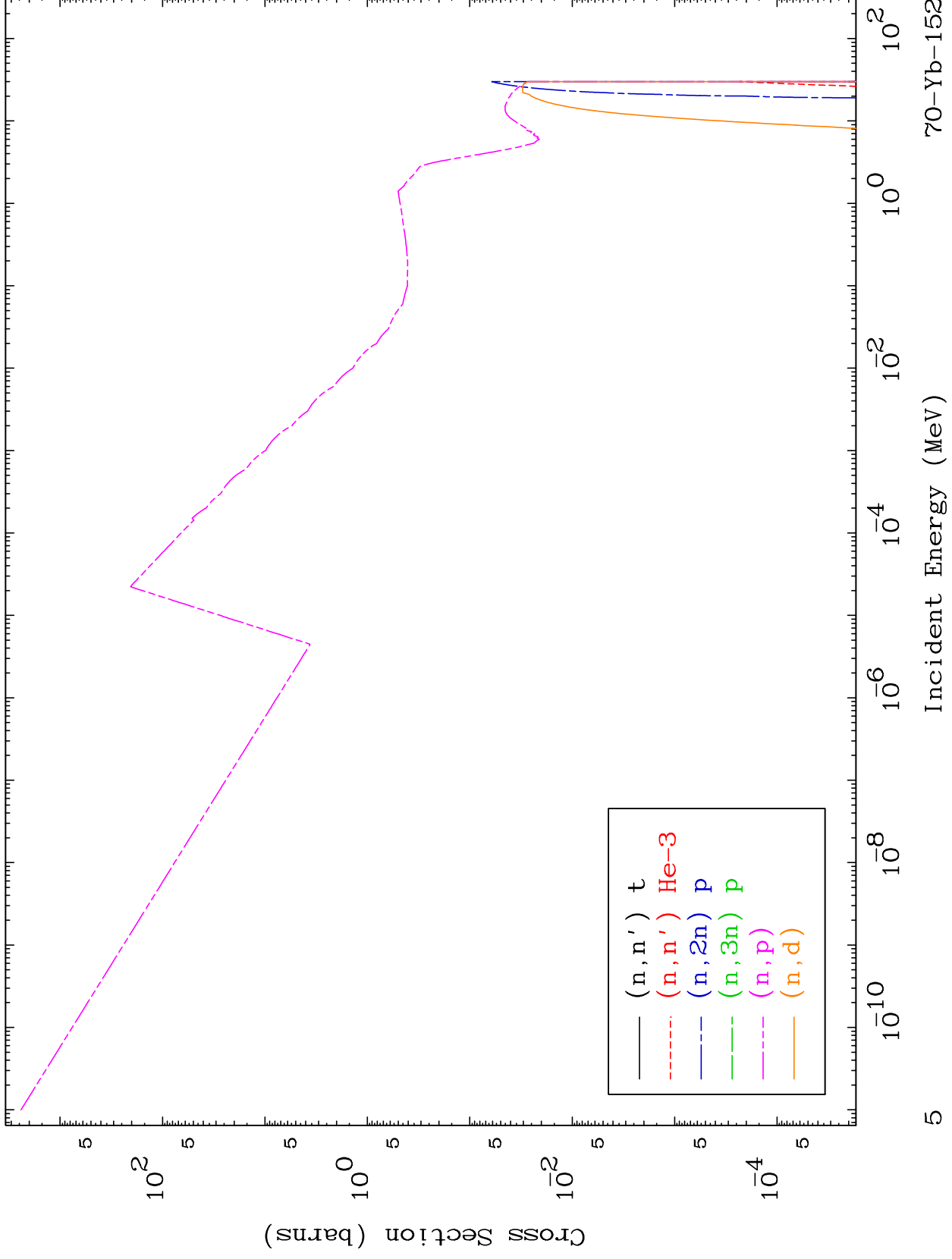
70-Yb-152



MAT 6977

Charged Particle
293 Kelvin Cross Sections

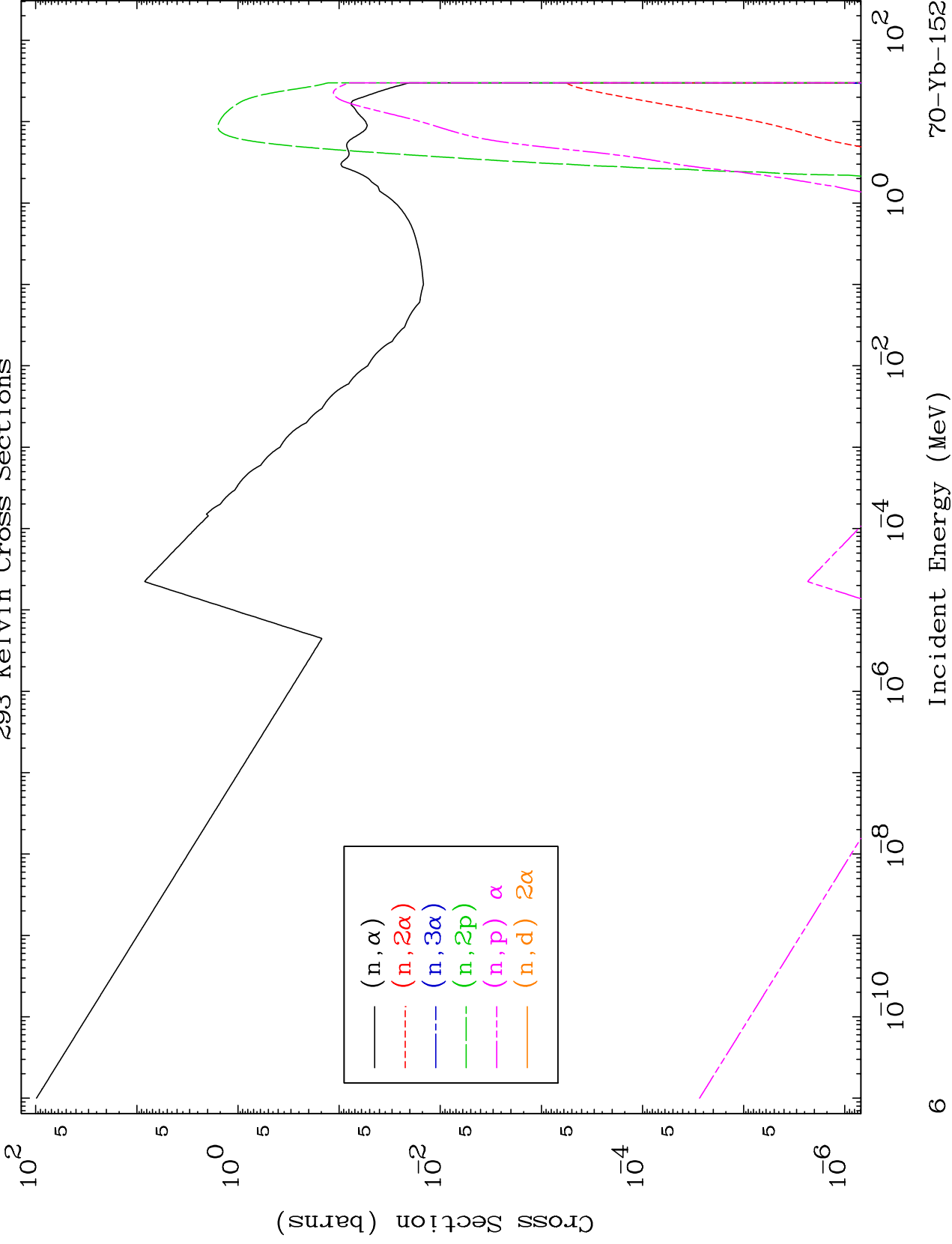
70-Yb-152

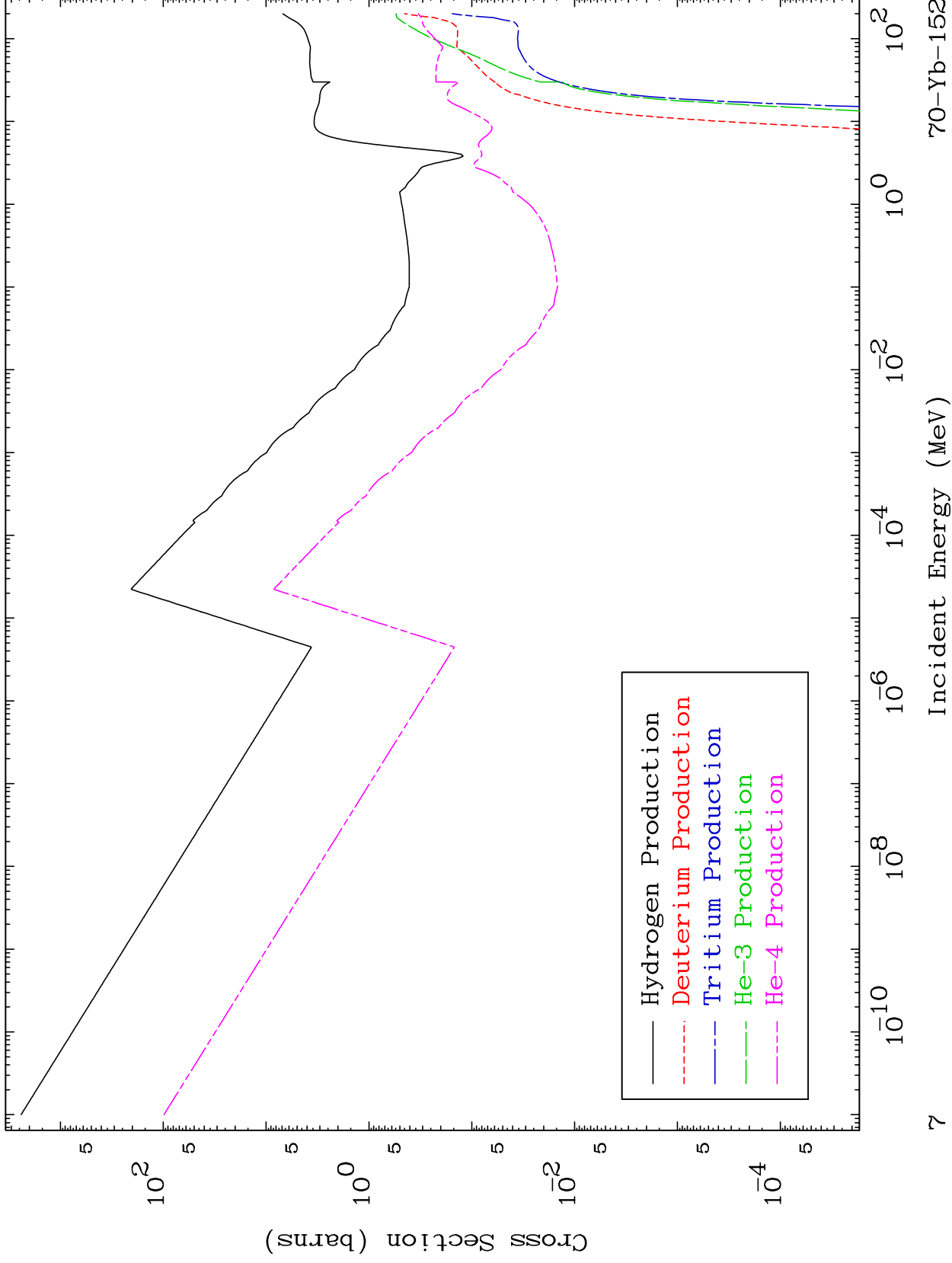


MAT 6977

Charged Particle
293 Kelvin Cross Sections

70-Yb-152

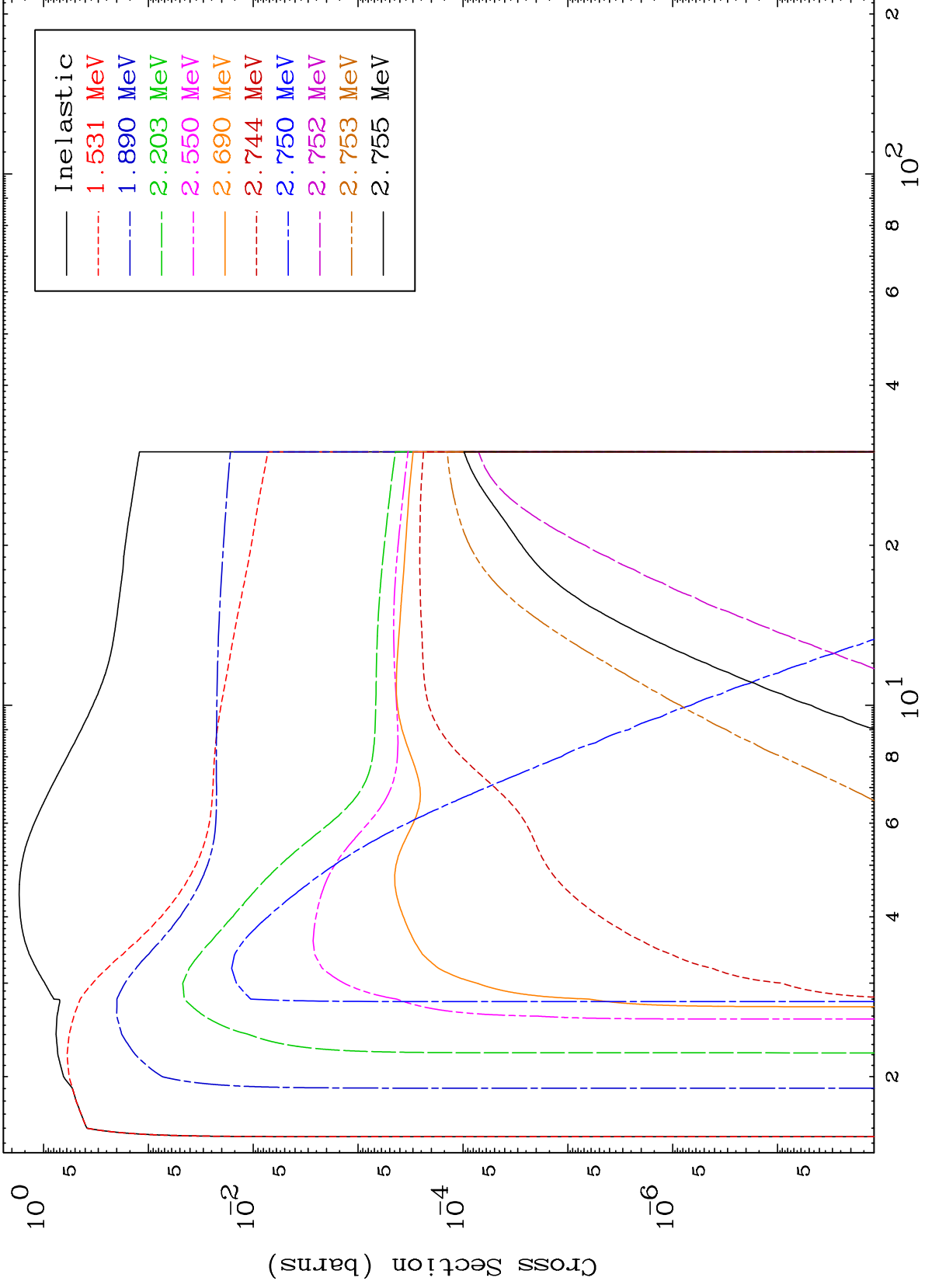




MAT 6977

(n,n') Level
293 Kelvin Cross Sections

70-Yb-152



8

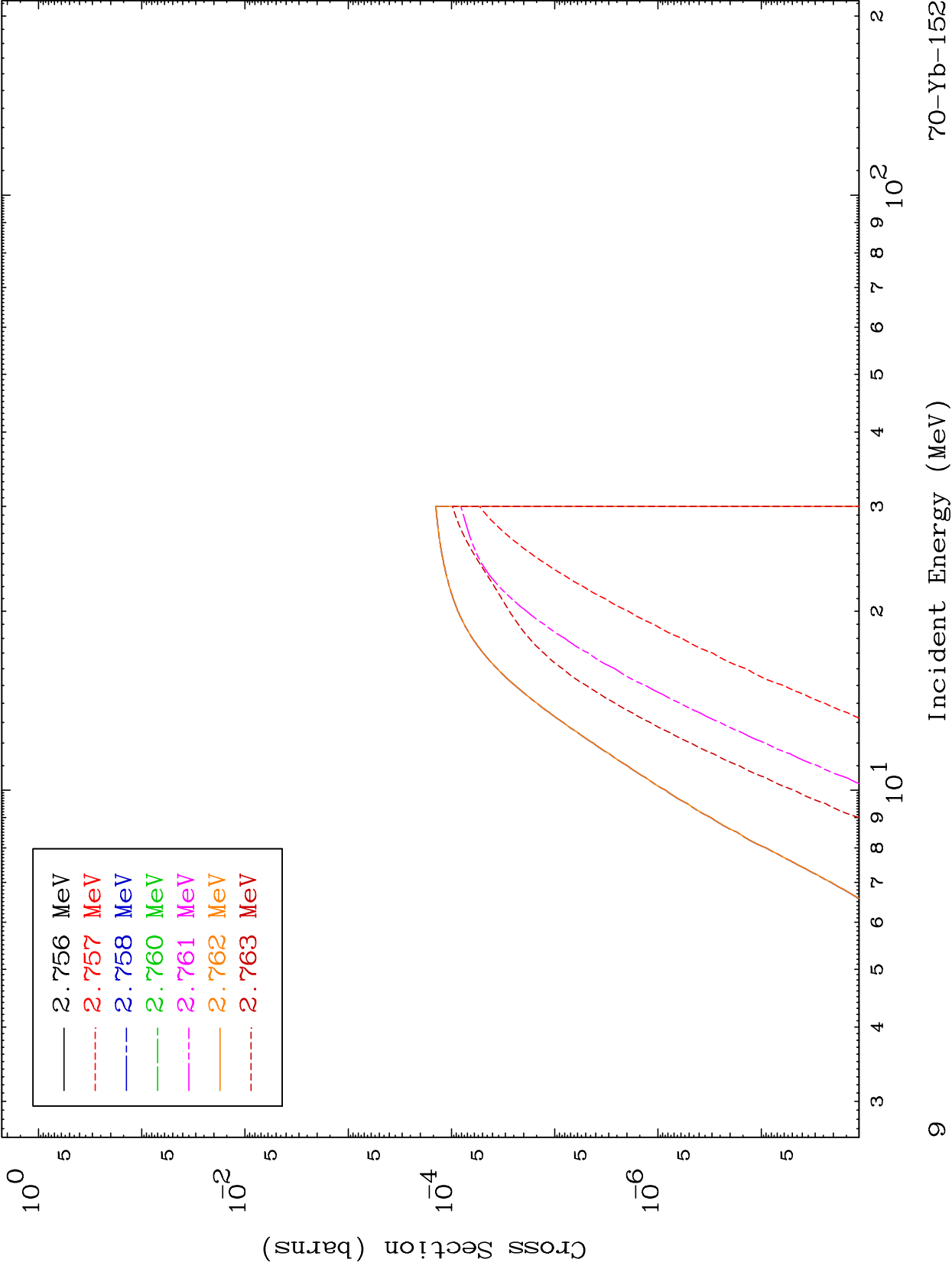
Incident Energy (MeV)

70-Yb-152

MAT 6977

(n,n') Level
293 Kelvin Cross Sections

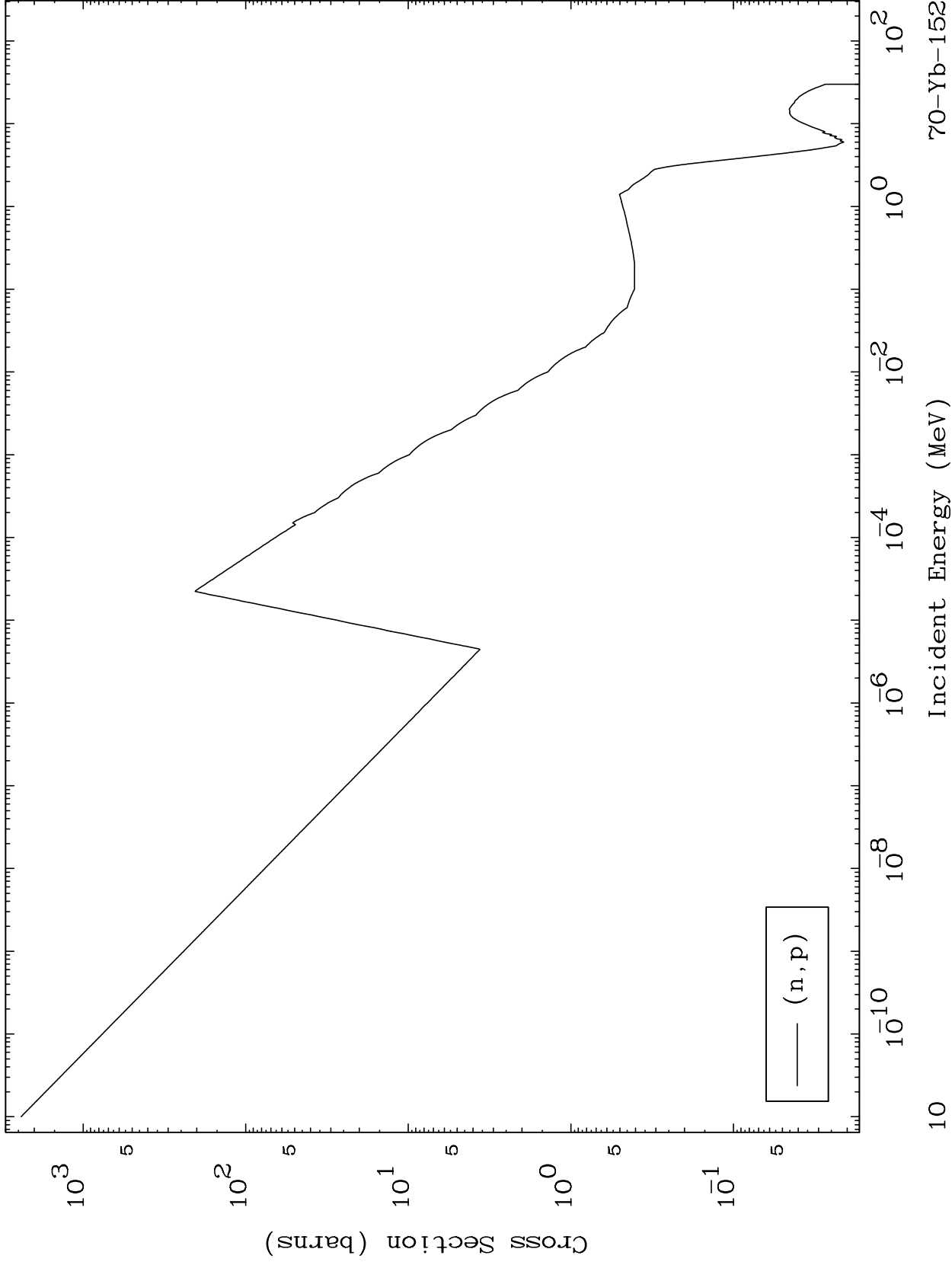
70-Yb-152



MAT 69777

(n,p) Levels
293 Kelvin Cross Sections

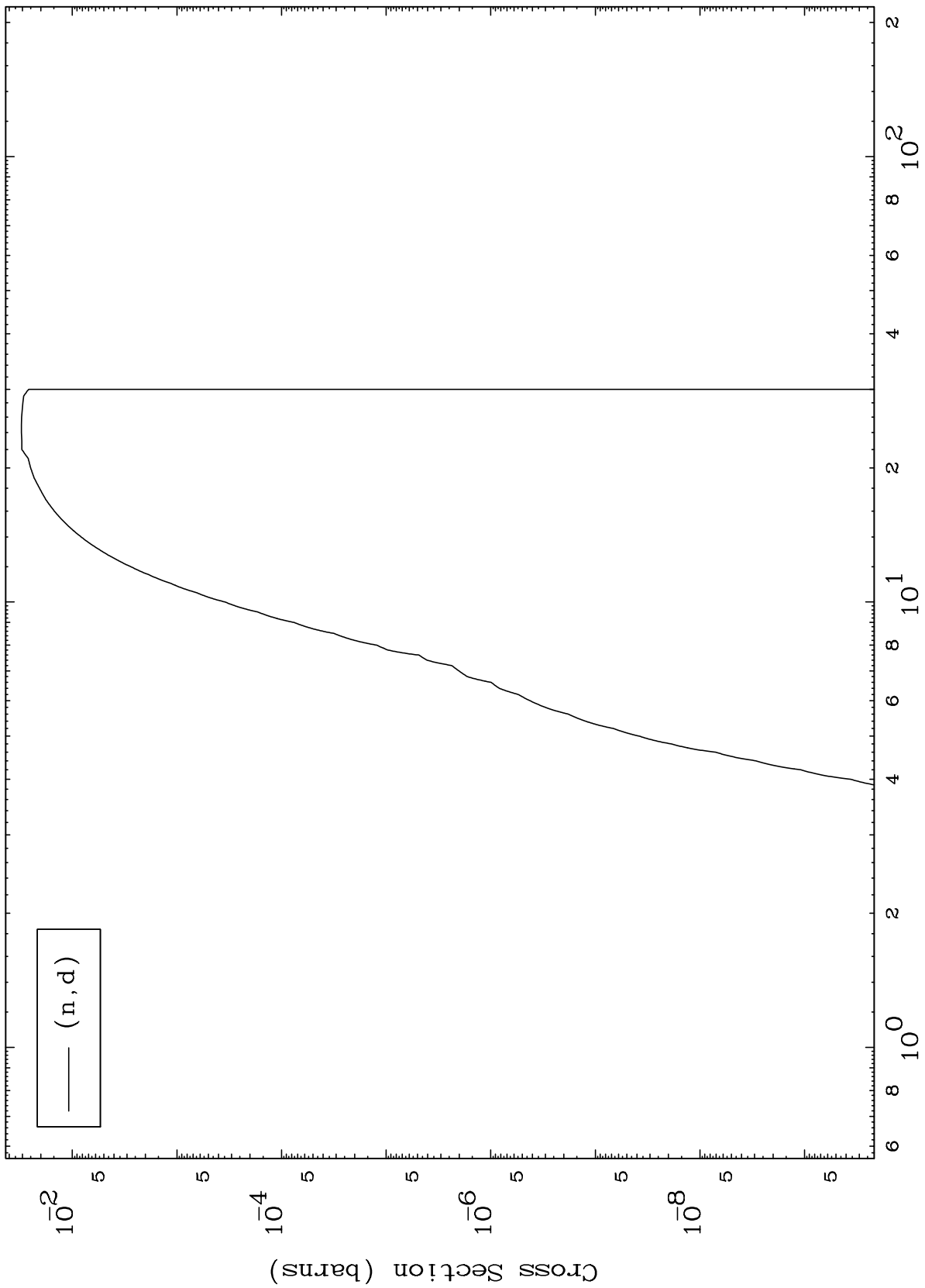
70-Yb-152



MAT 6977

(n,d) Levels
293 Kelvin Cross Sections

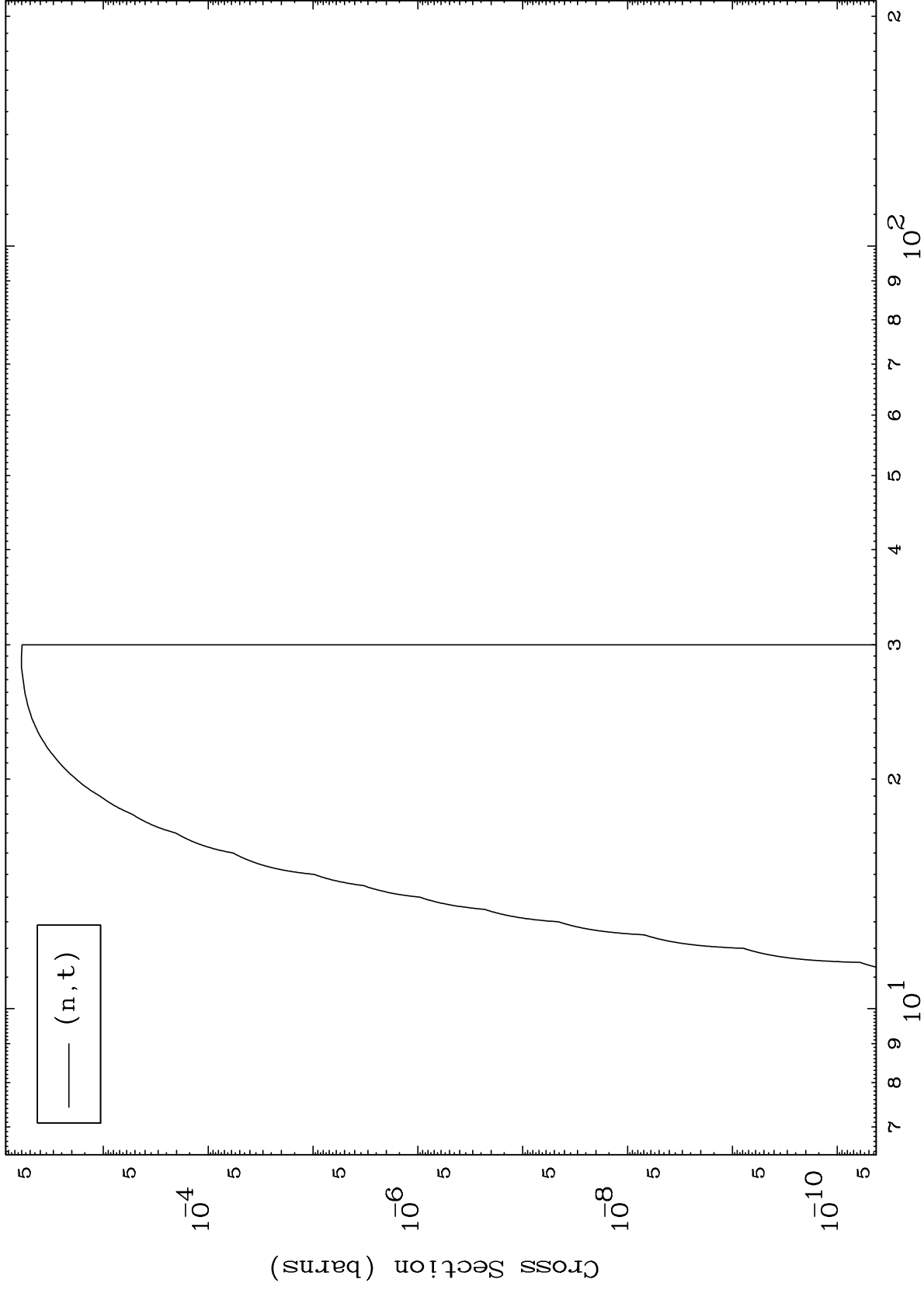
70-Yb-152



MAT 6977

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-152



12

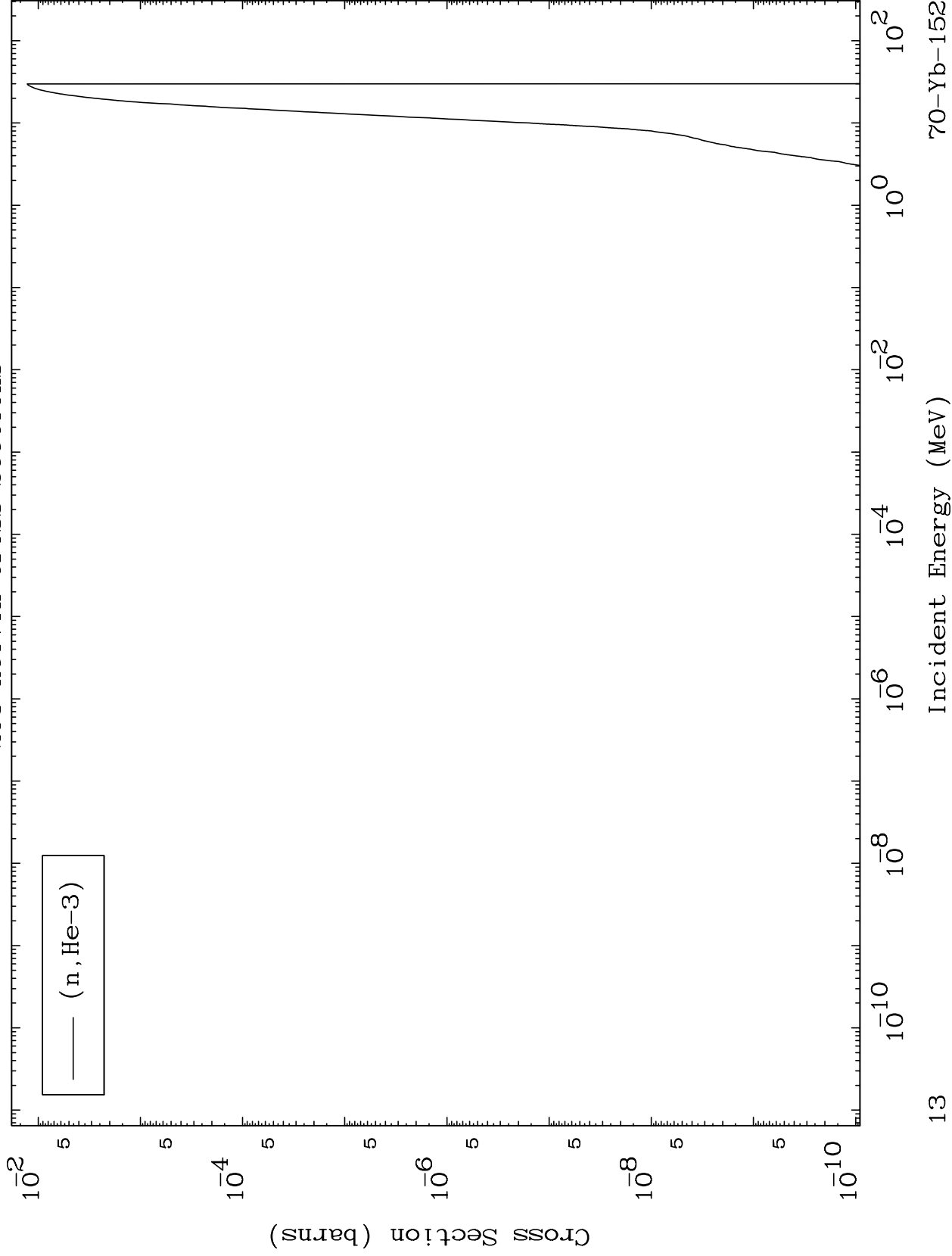
Incident Energy (MeV)

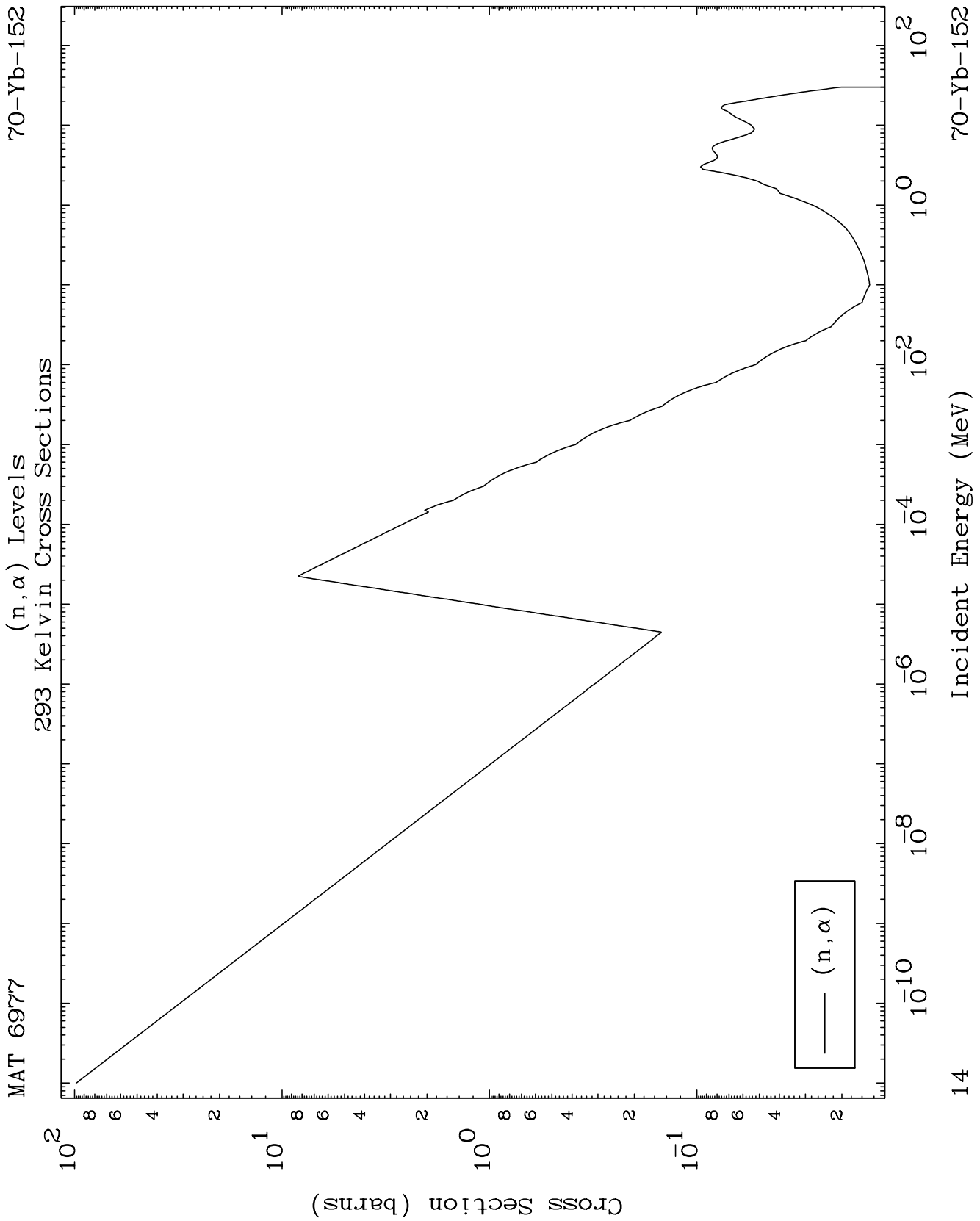
70-Yb-152

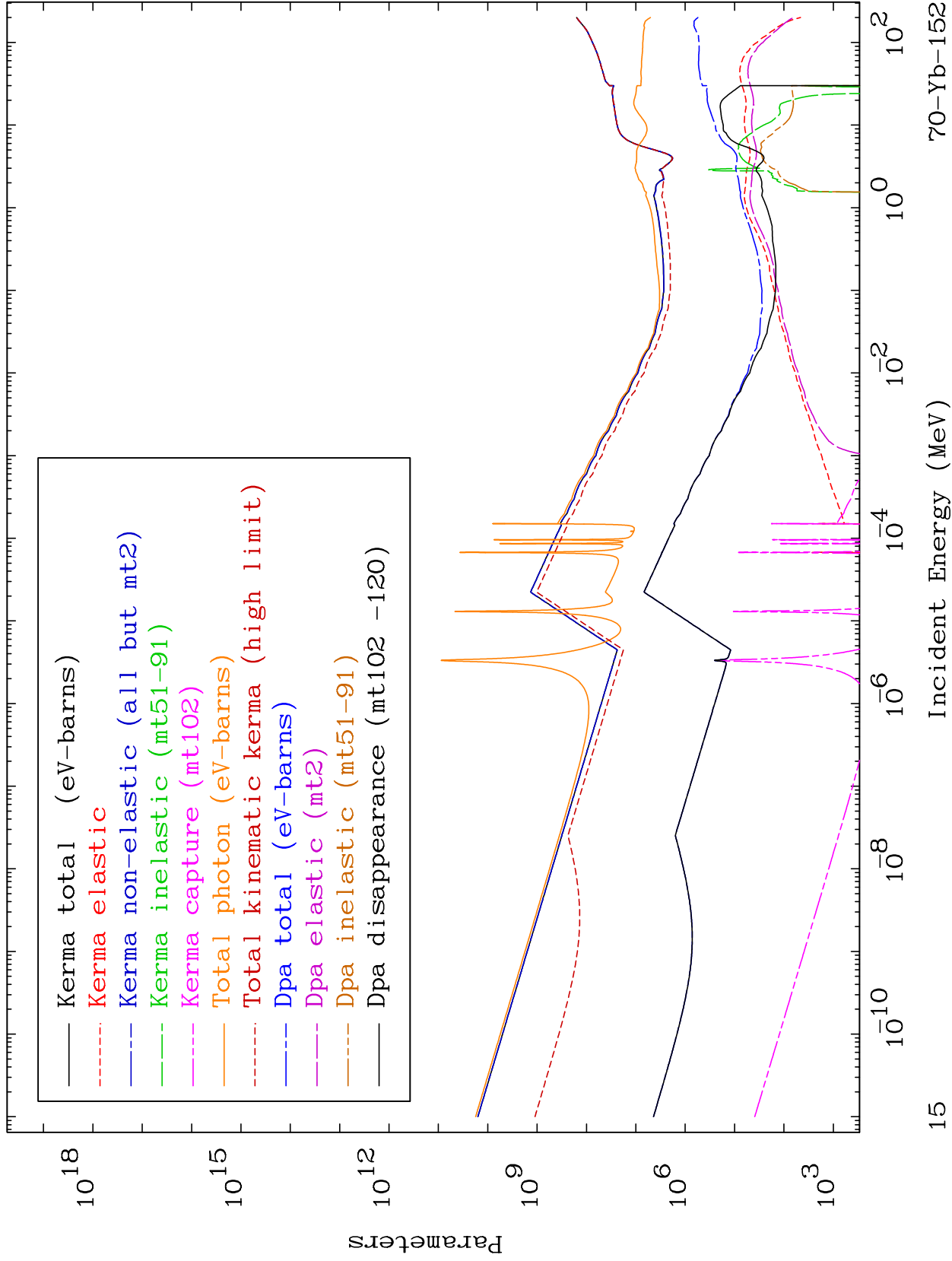
MAT 6977

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-152



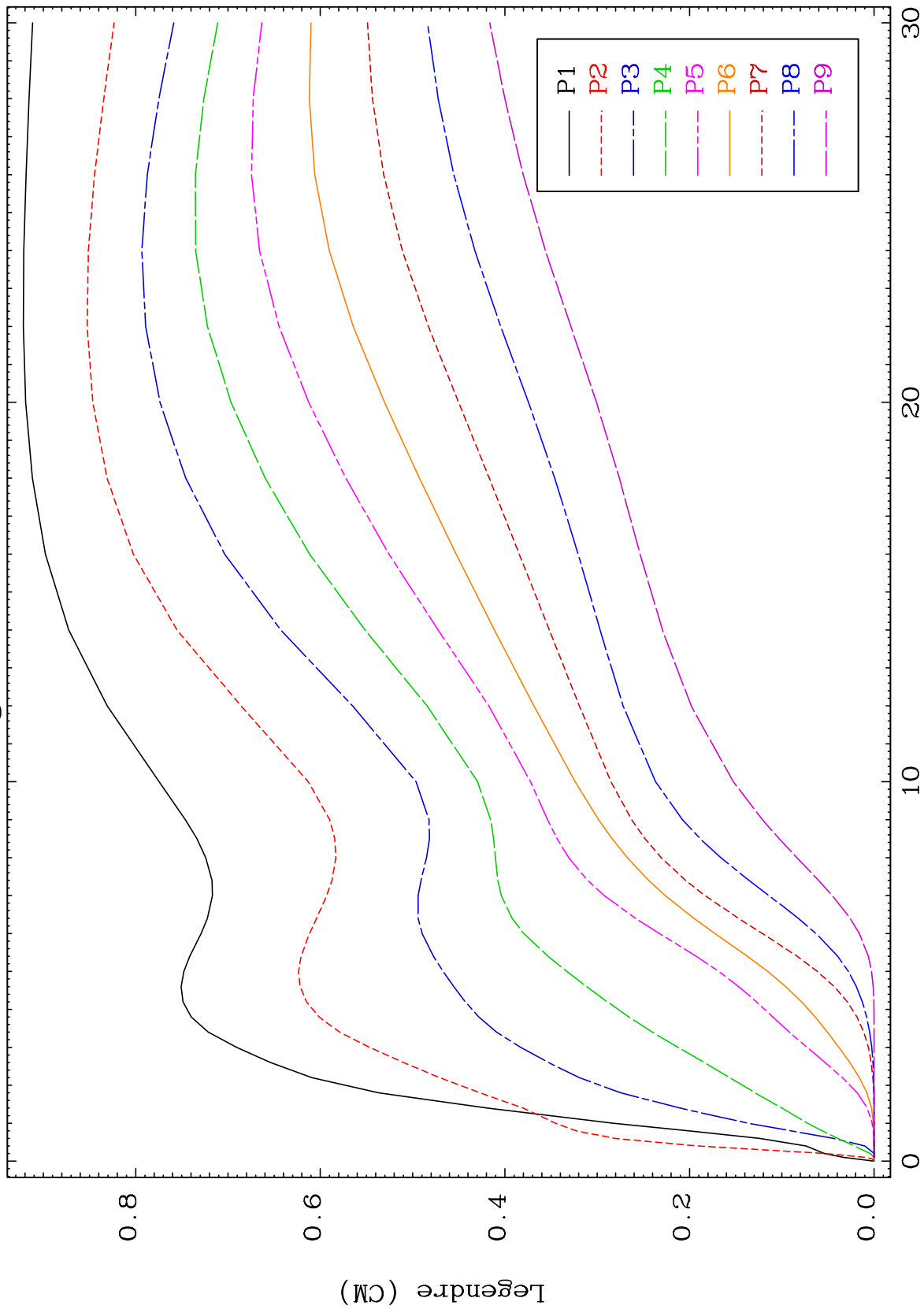




MAT 6977

Elastic Legendre Coefficients

70-Yb-152



16

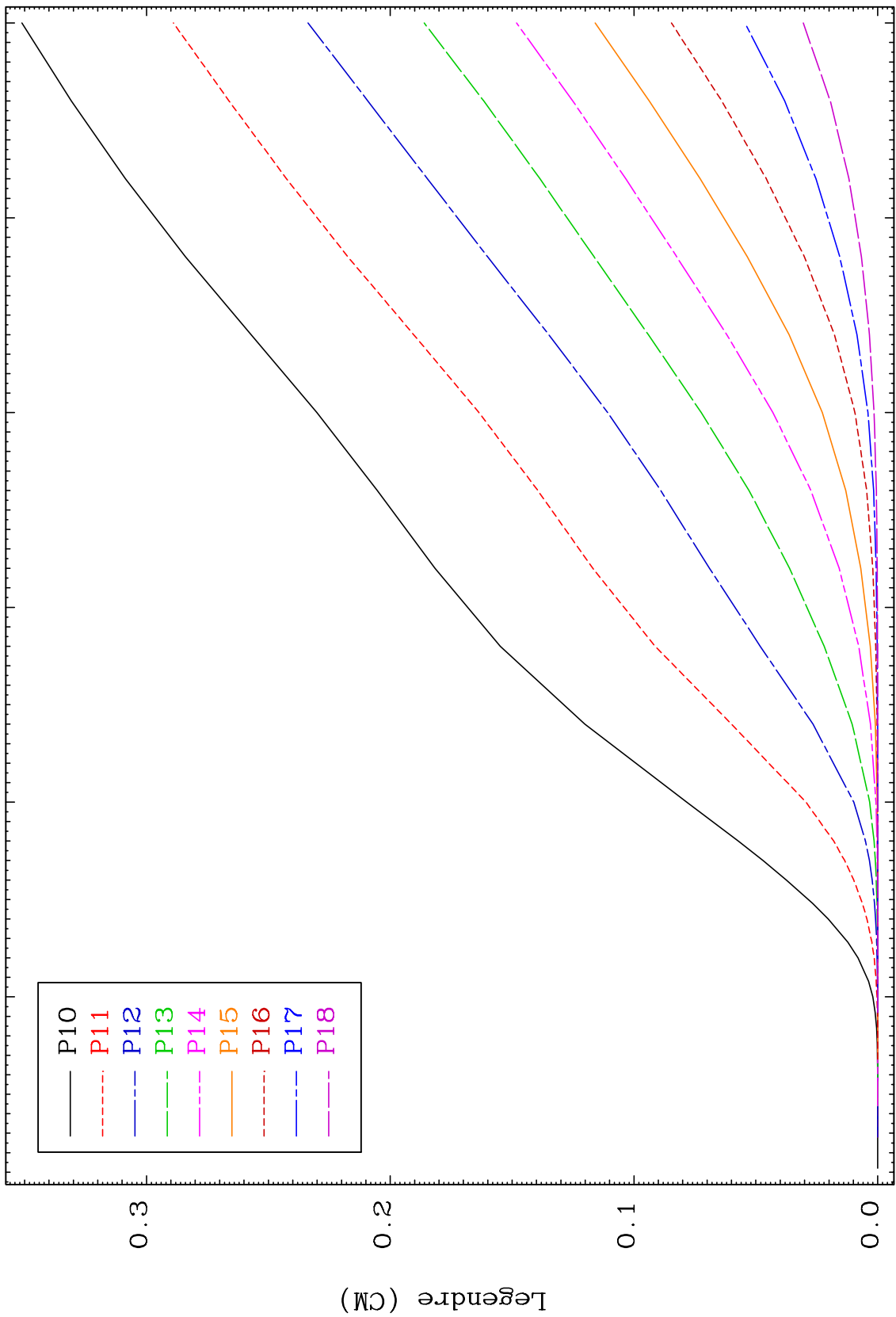
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic
Legendre Coefficients

70-Yb-152



17

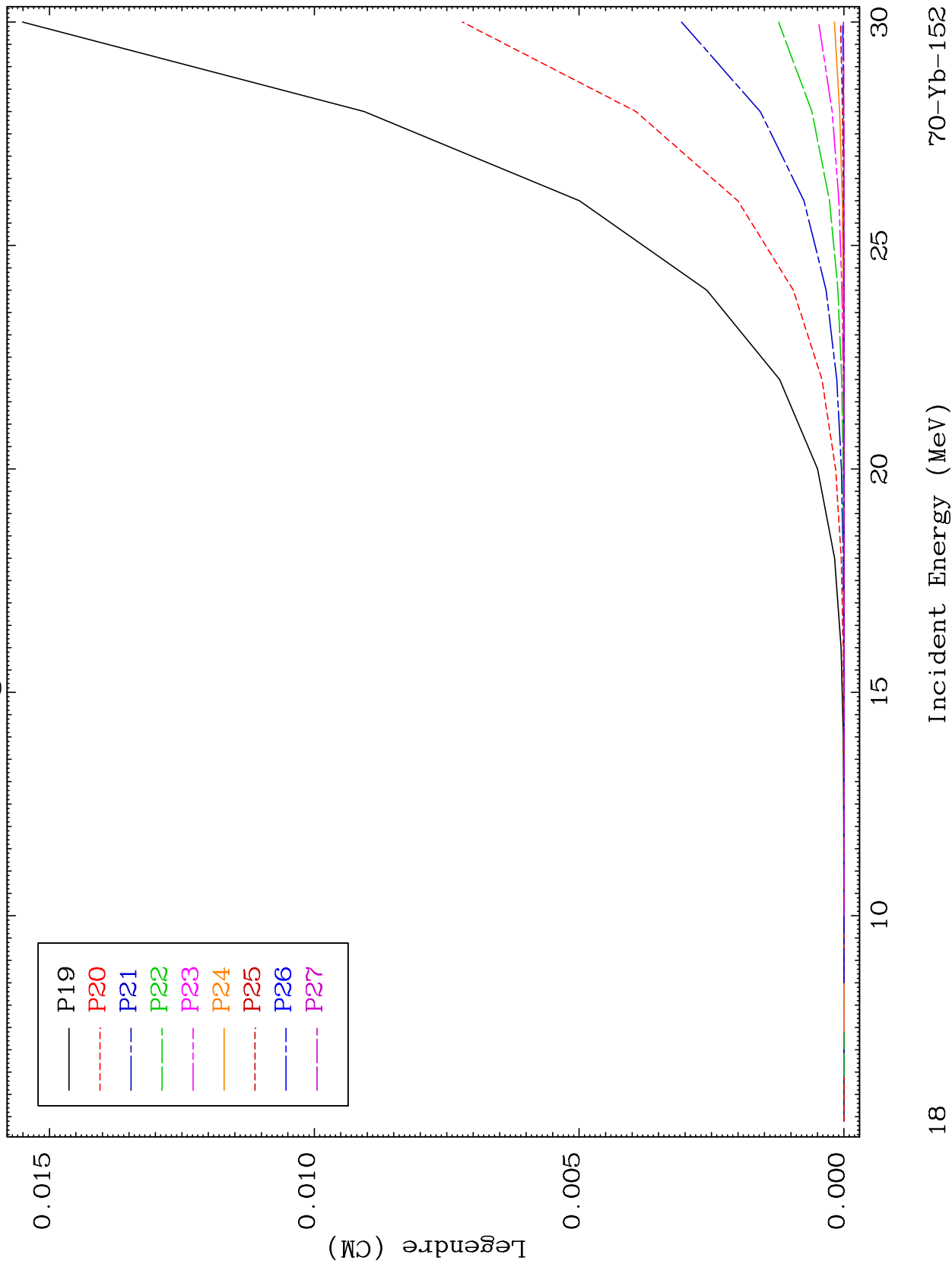
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



18

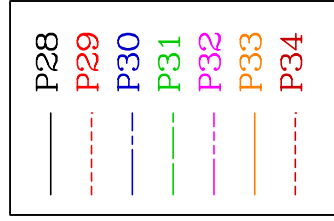
Incident Energy (MeV)

70-Yb-152

MAT 6977

Elastic Legendre Coefficients

70-Yb-152



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

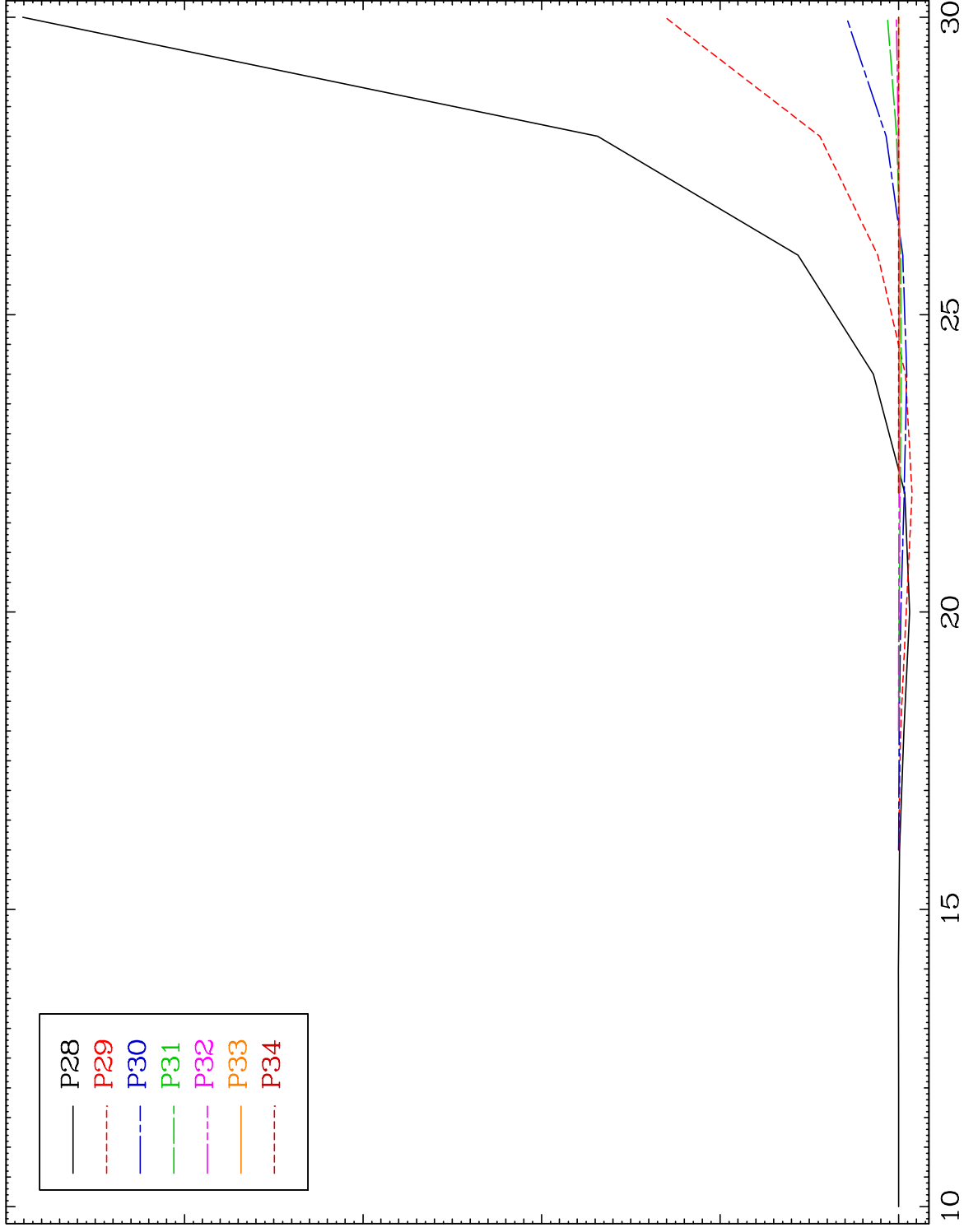
25

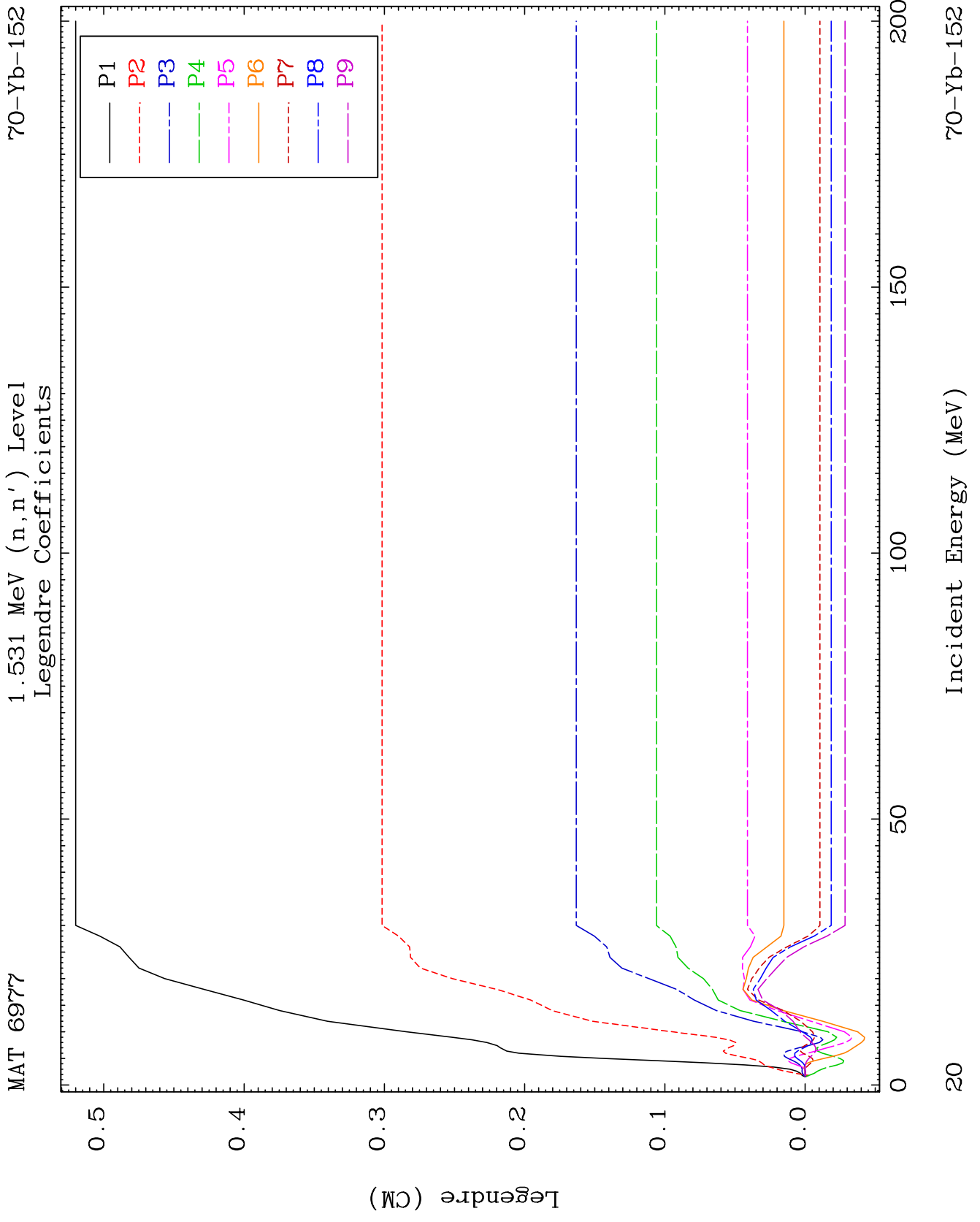
30

19

Incident Energy (MeV)

70-Yb-152

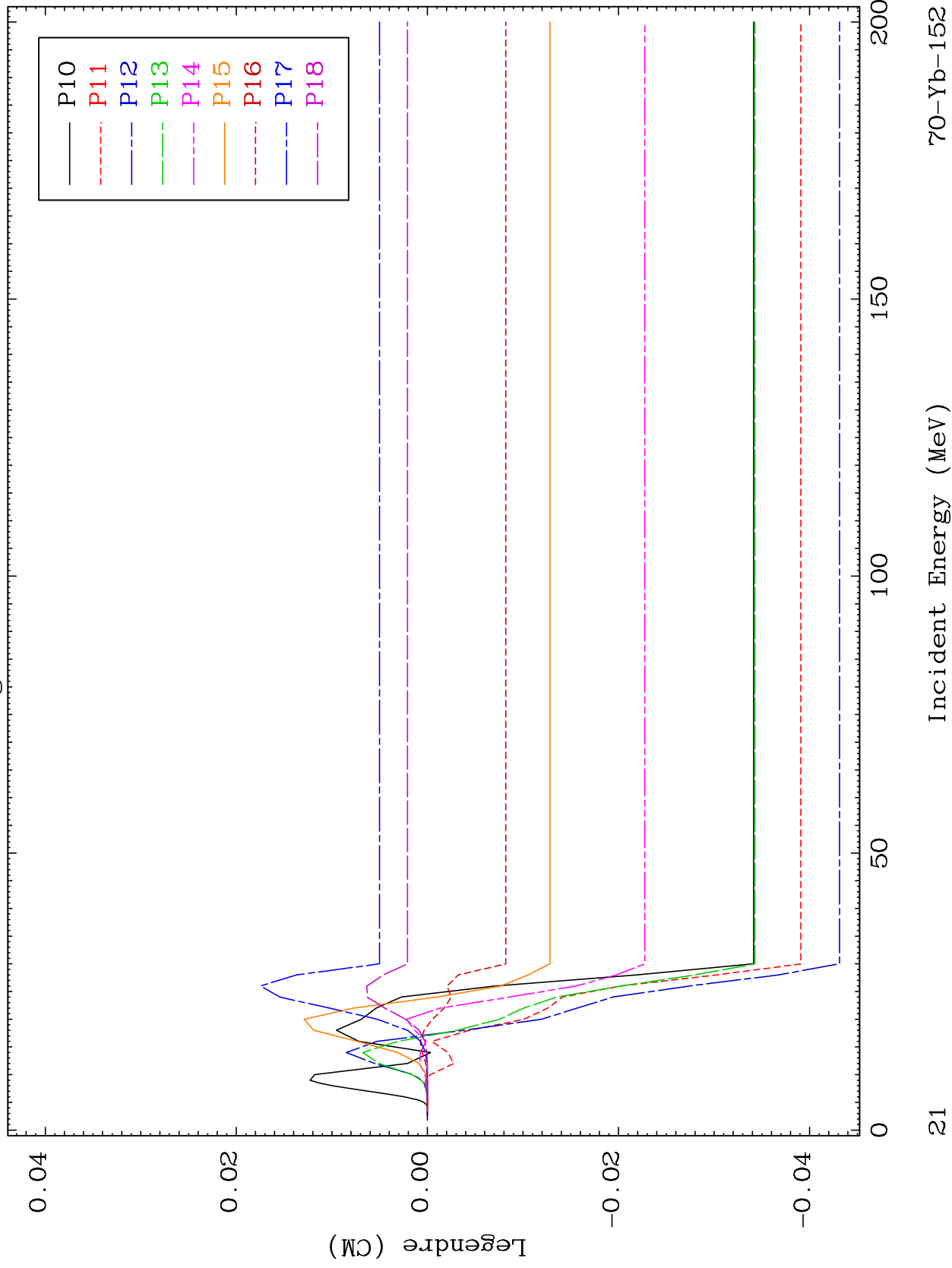




MAT 6977

1.531 MeV (n,n') Level
Legendre Coefficients

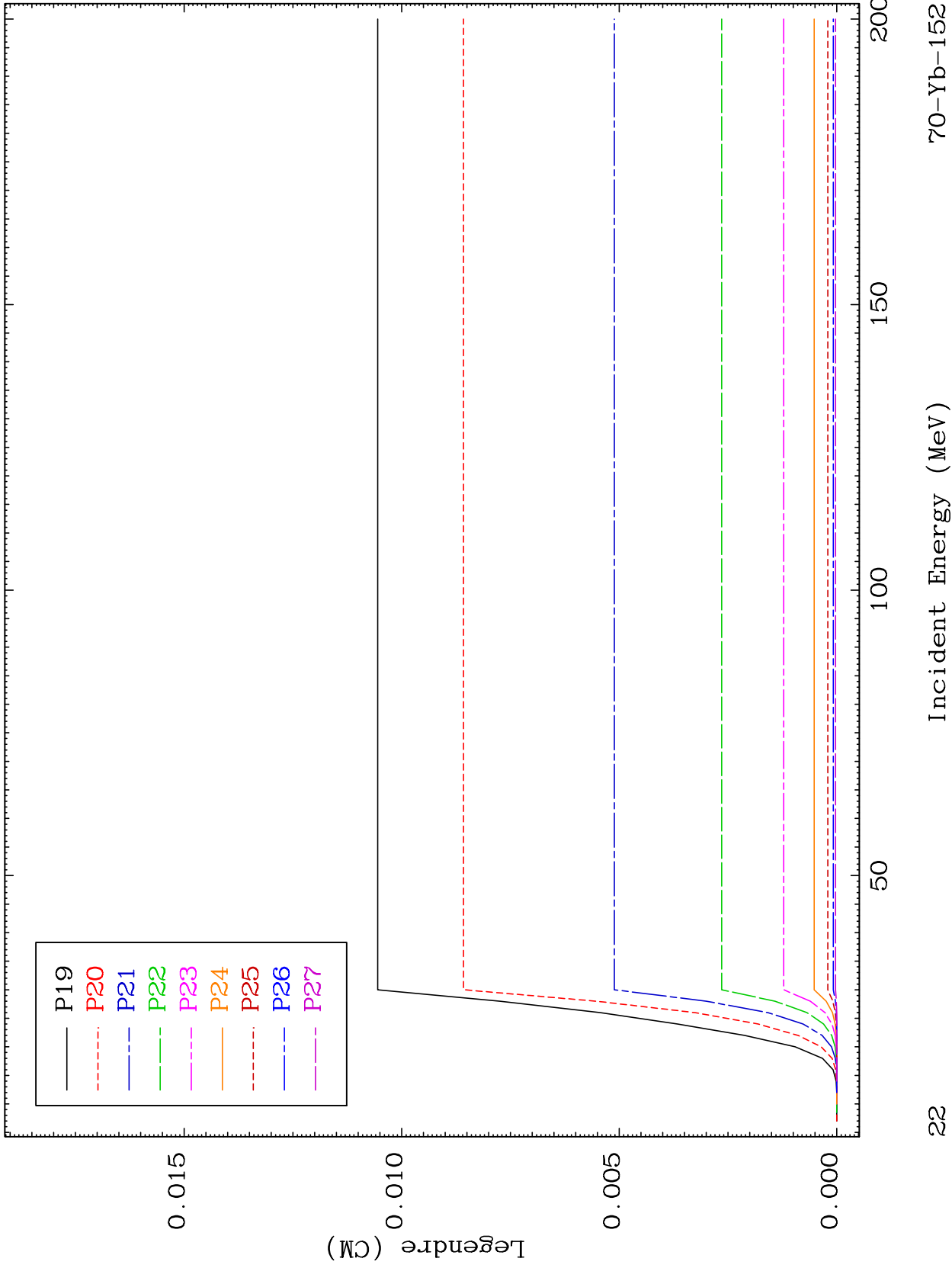
70-Yb-152

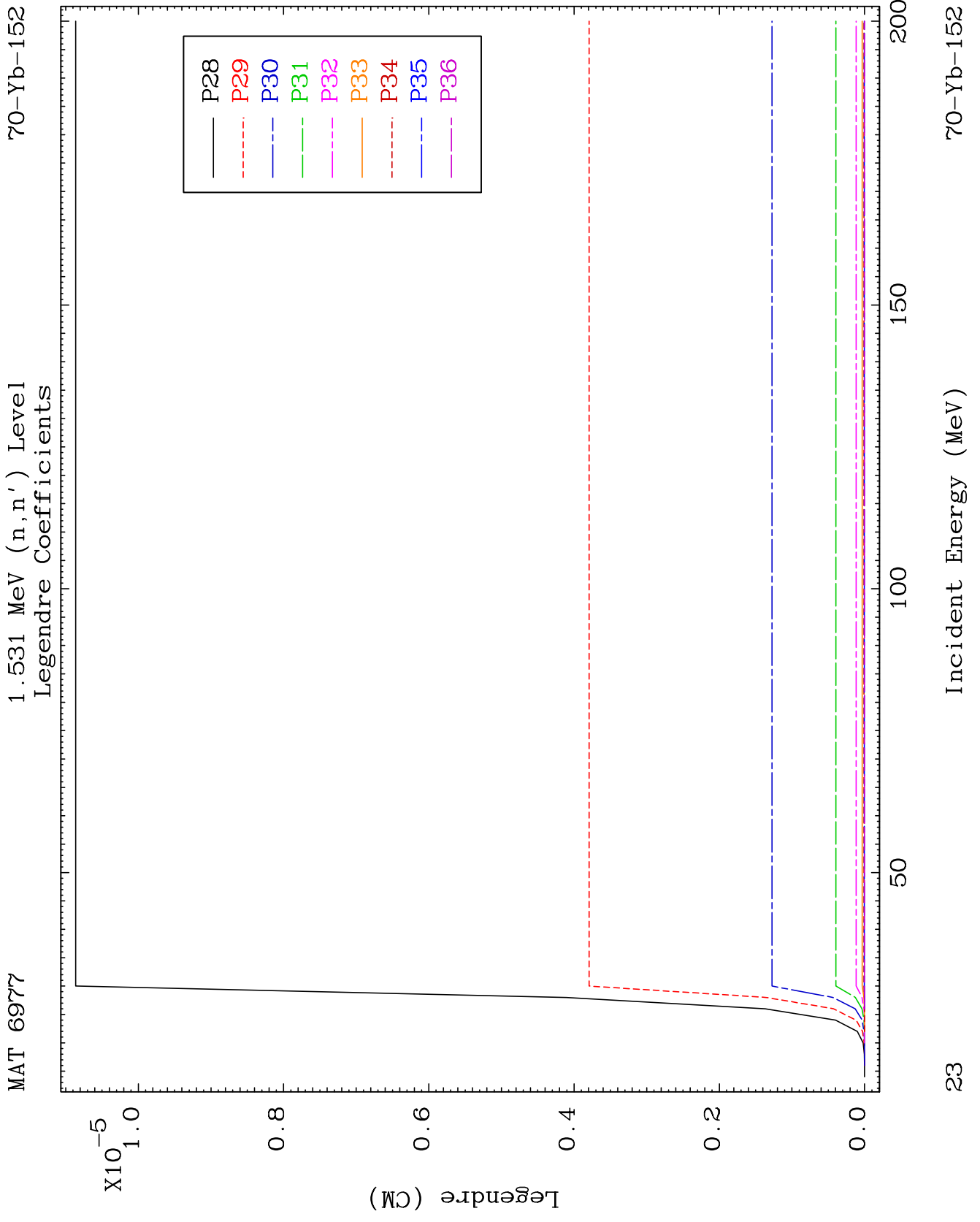


MAT 6977

1.531 MeV (n,n') Level
Legendre Coefficients

70-Yb-152

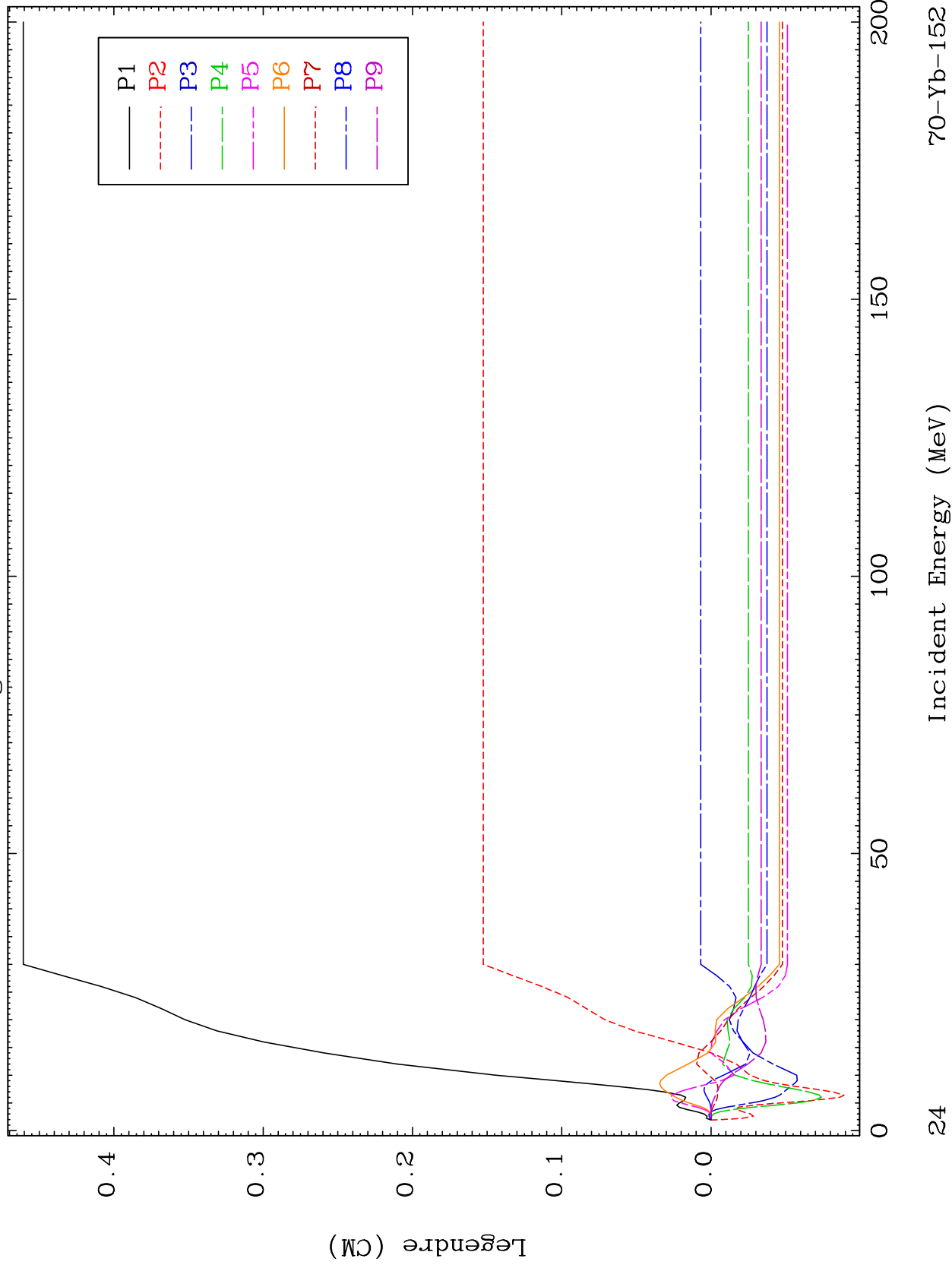




MAT 6977

1.890 MeV (n,n') Level
Legendre Coefficients

70-Yb-152

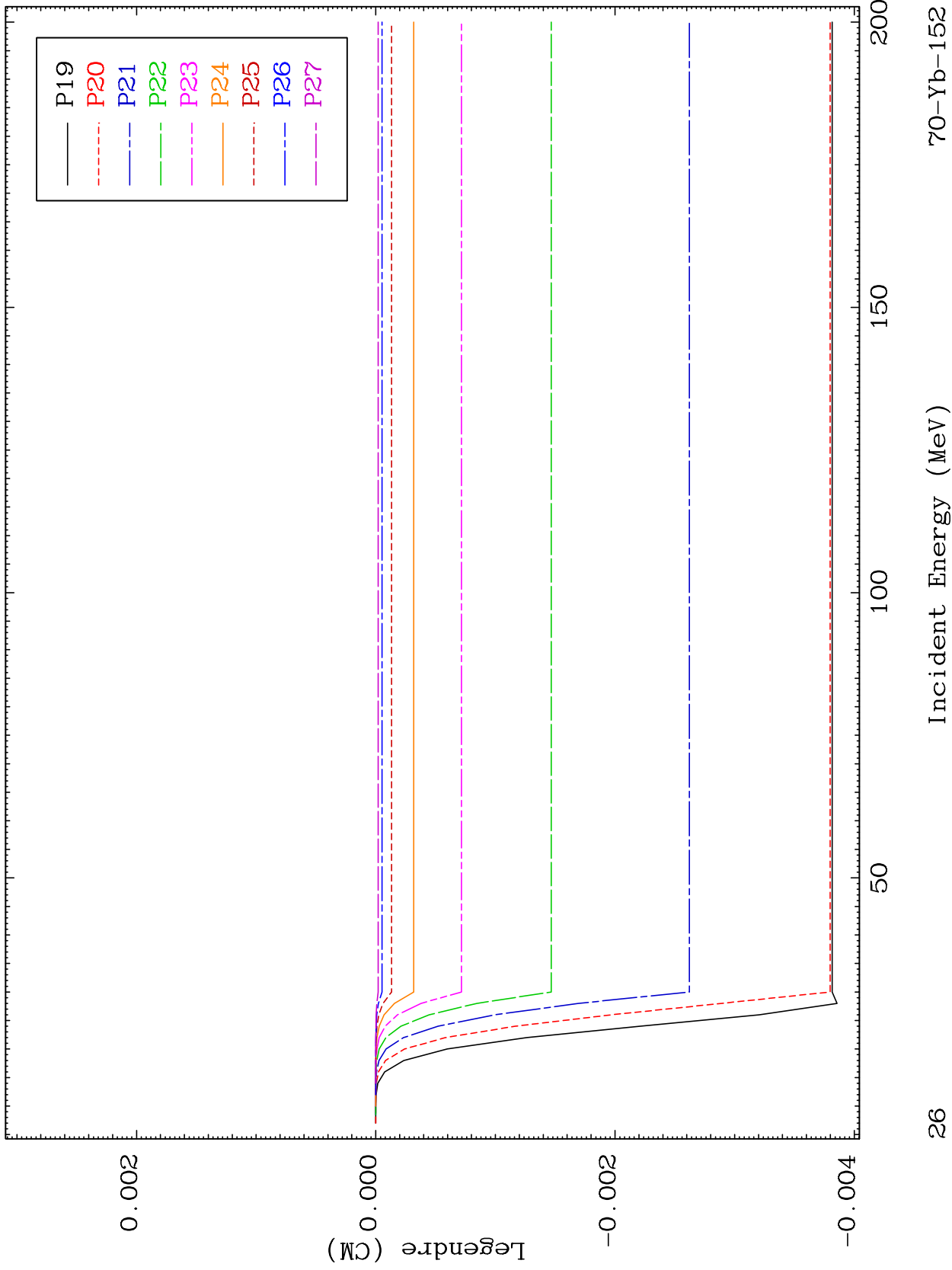


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MAT 6977

1.890 MeV (n,n') Level
Legendre Coefficients

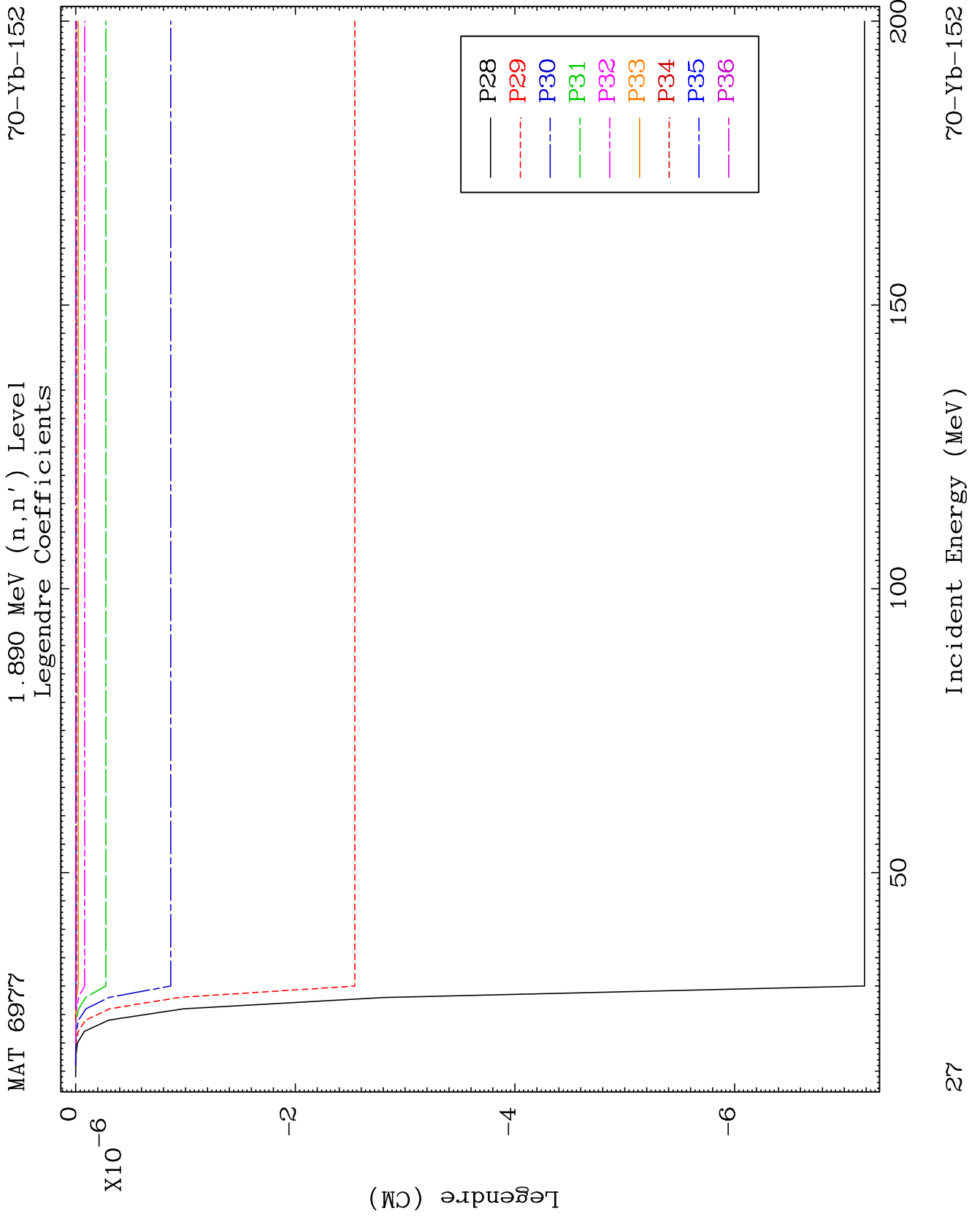
70-Yb-152



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Incident Energy (MeV)

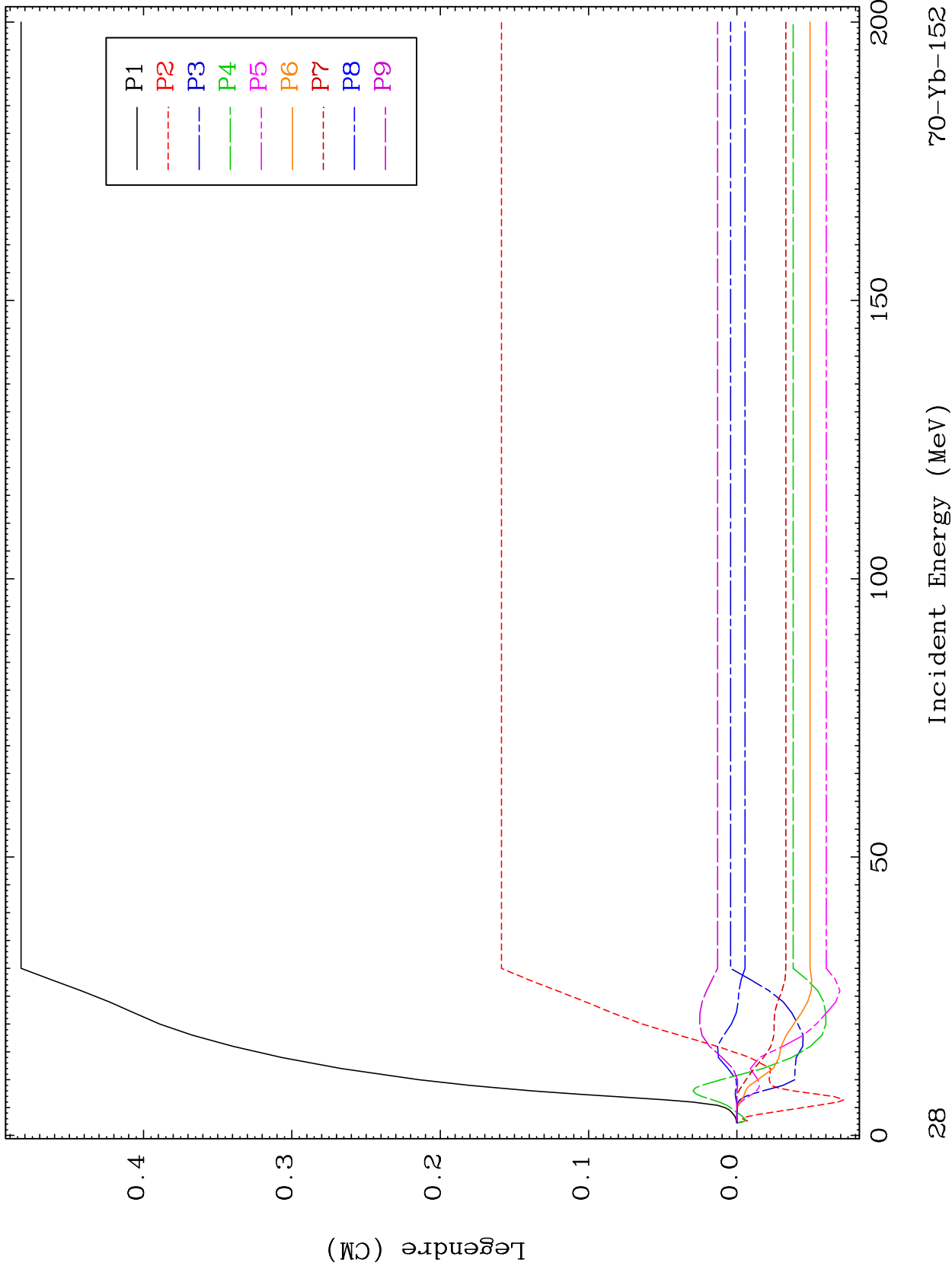
70-Yb-152



MAT 6977

2.203 MeV (n,n') Level
Legendre Coefficients

70-Yb-152



28

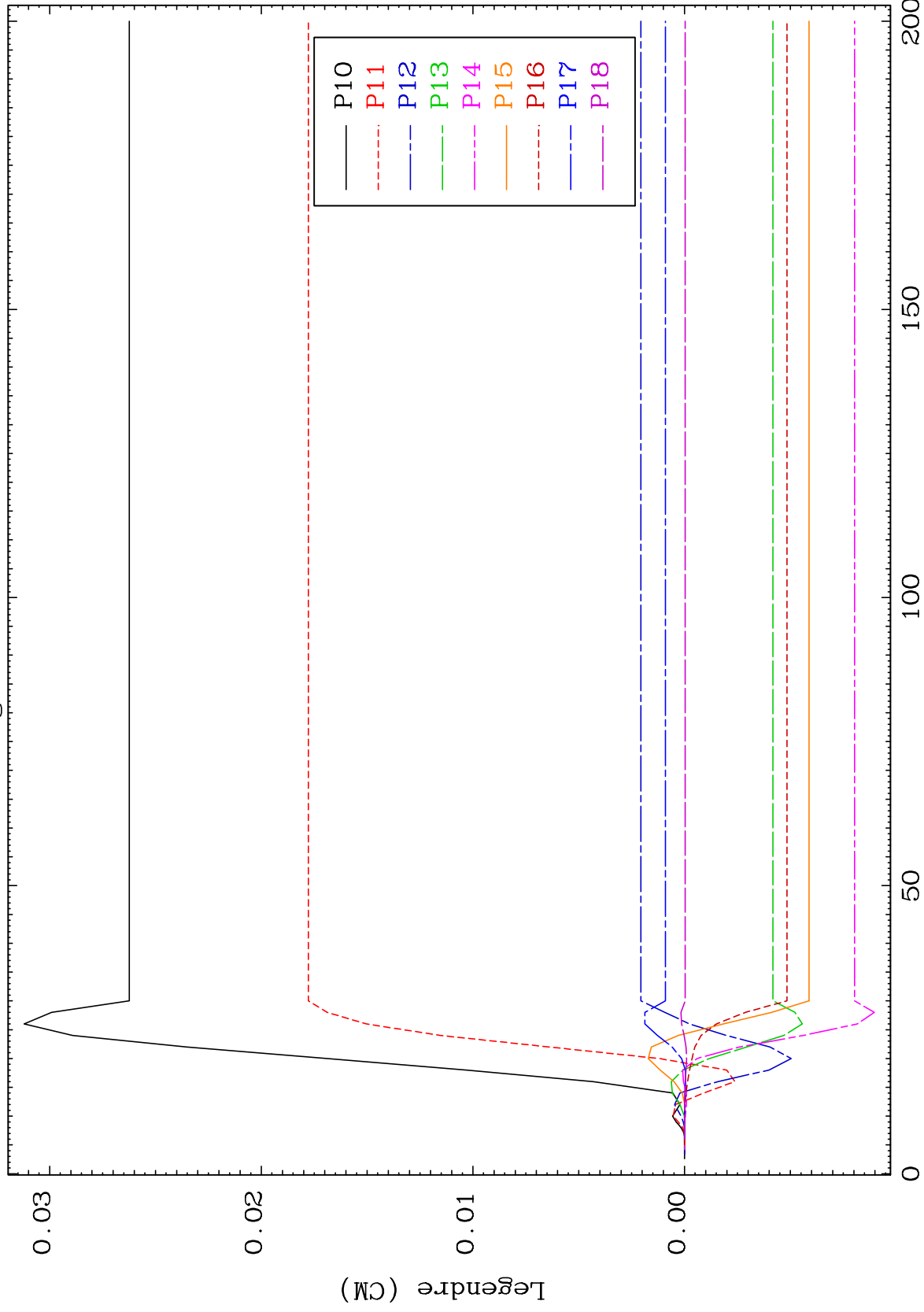
Incident Energy (MeV)

70-Yb-152

MAT 6977

2.203 MeV (n,n') Level
Legendre Coefficients

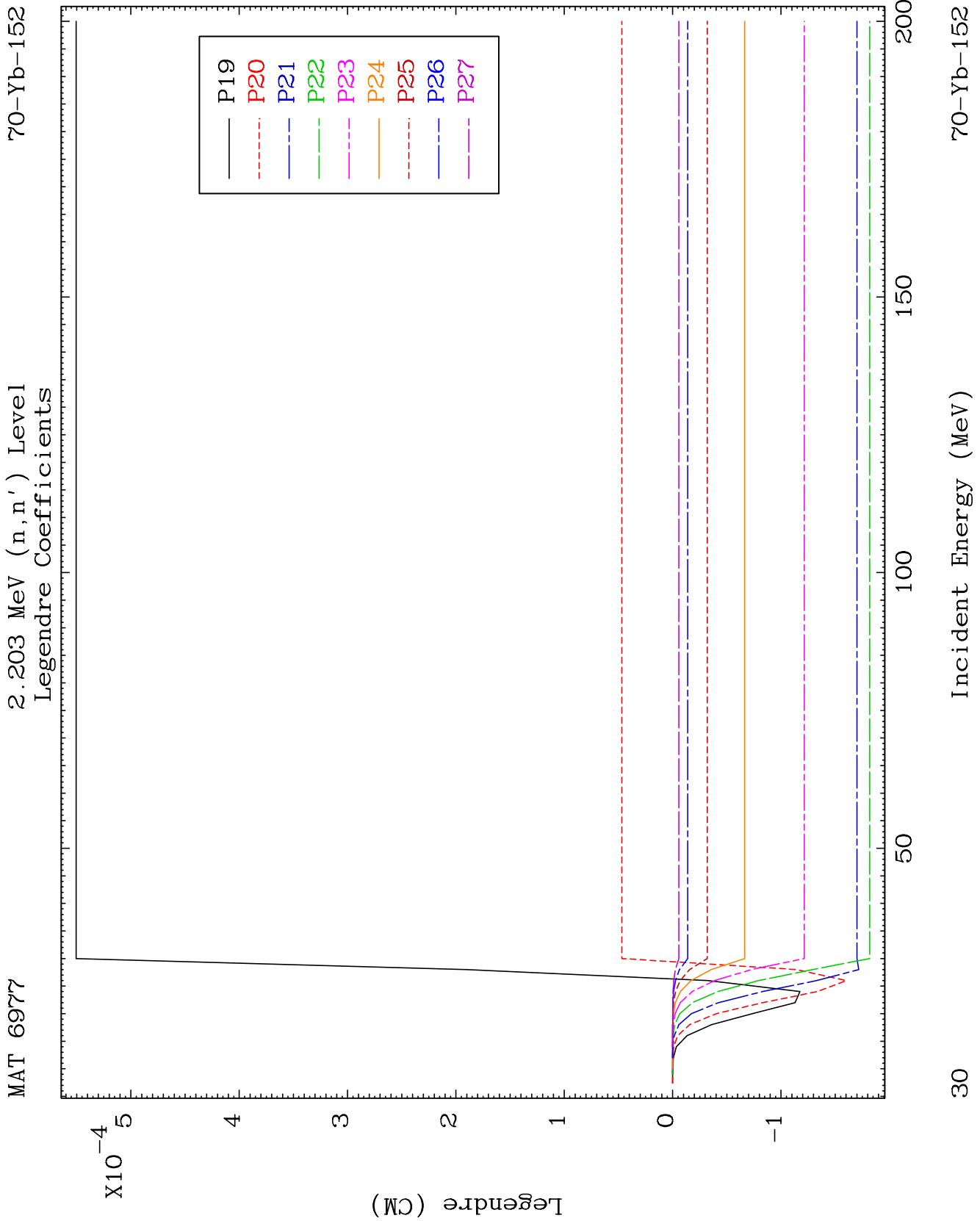
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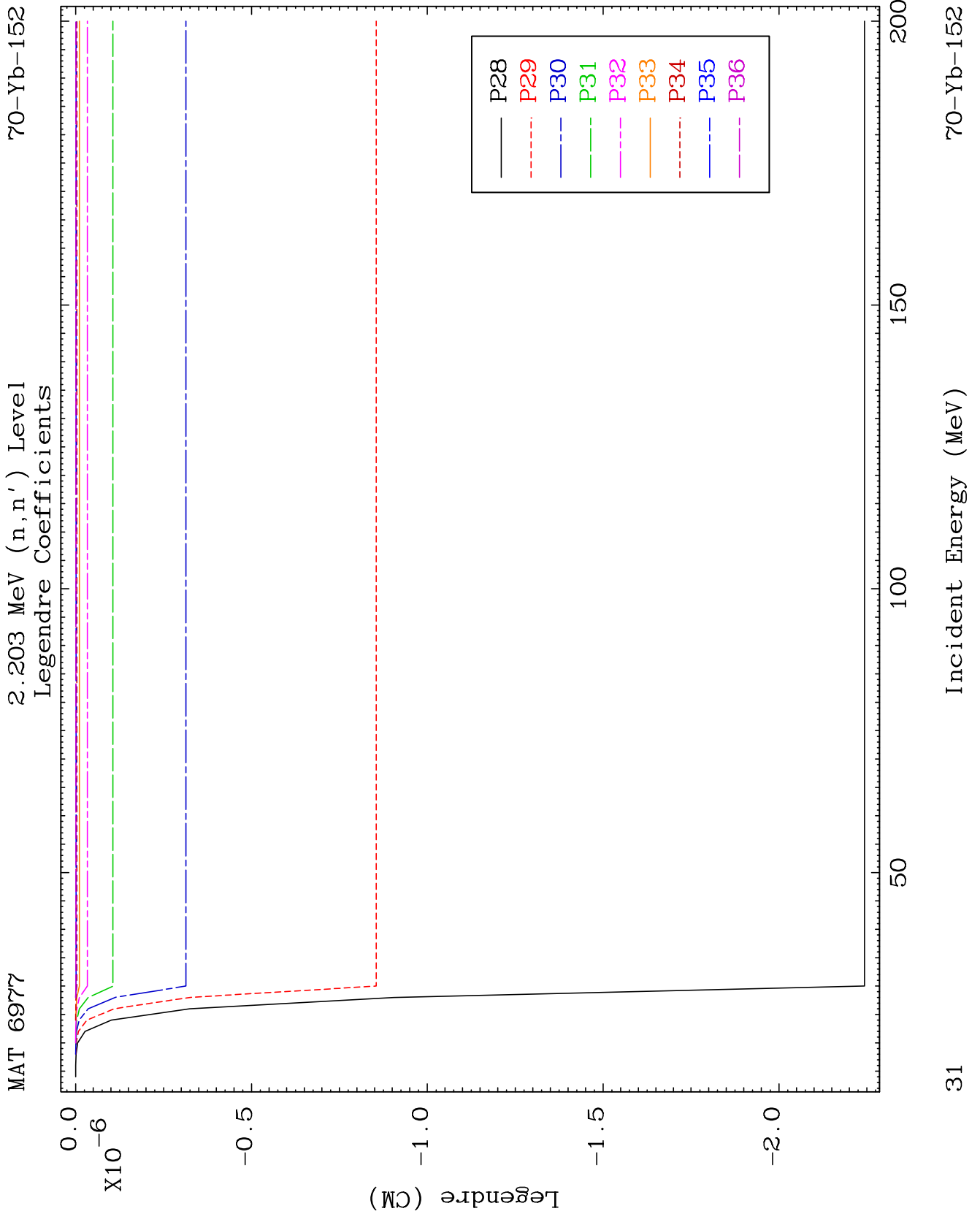


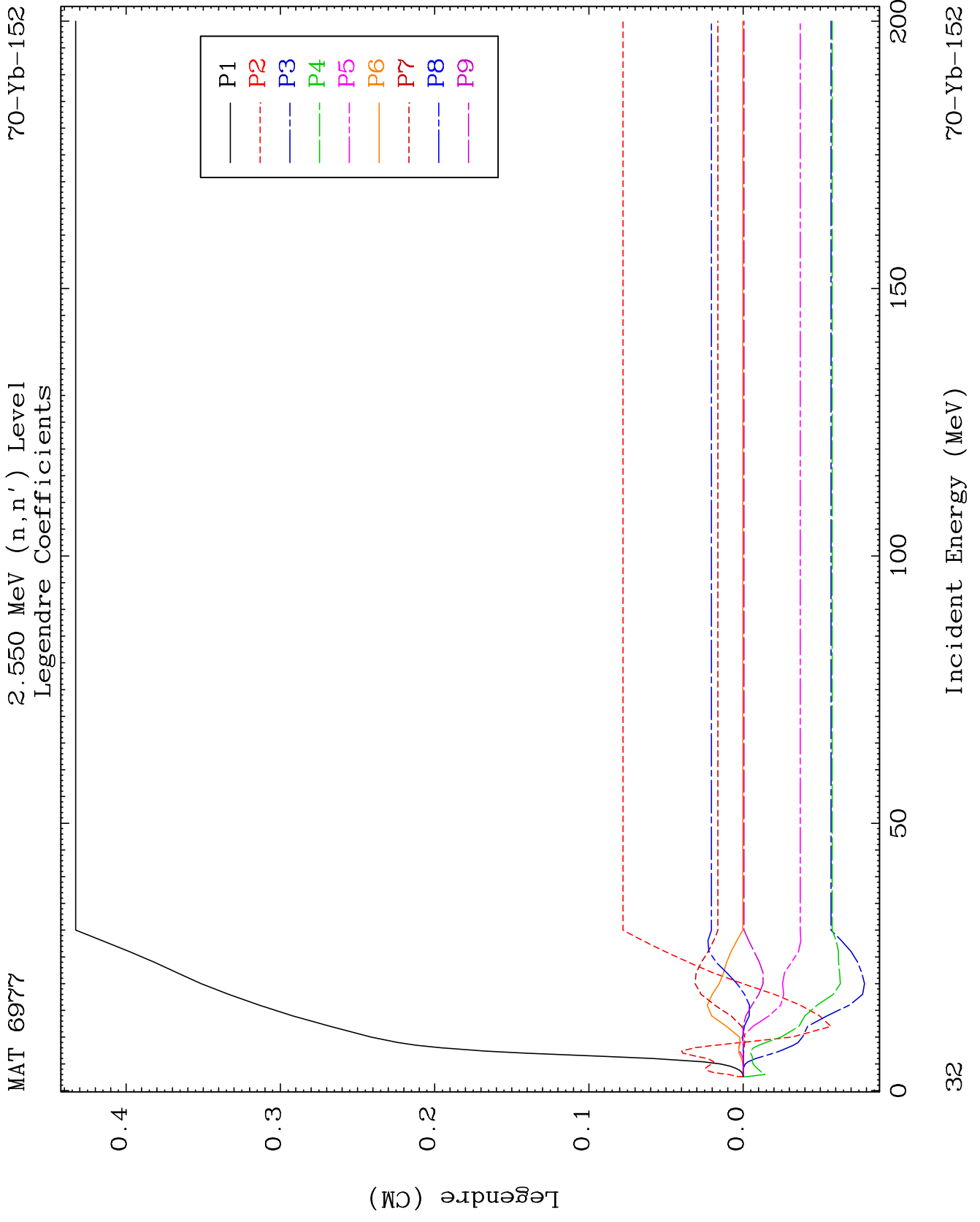
29

Incident Energy (MeV)

70-Yb-152



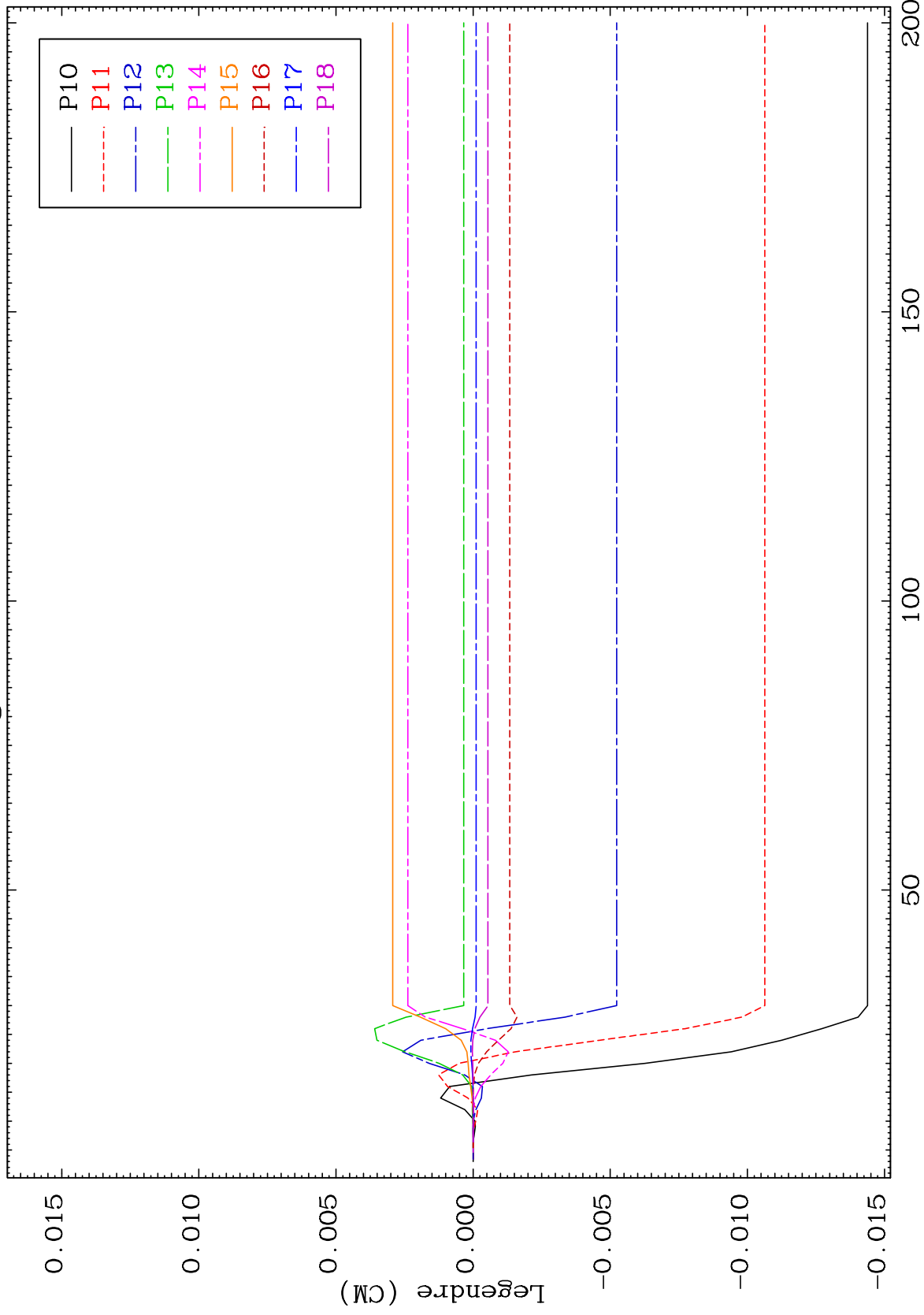




MAT 6977

2.550 MeV (n,n') Level
Legendre Coefficients

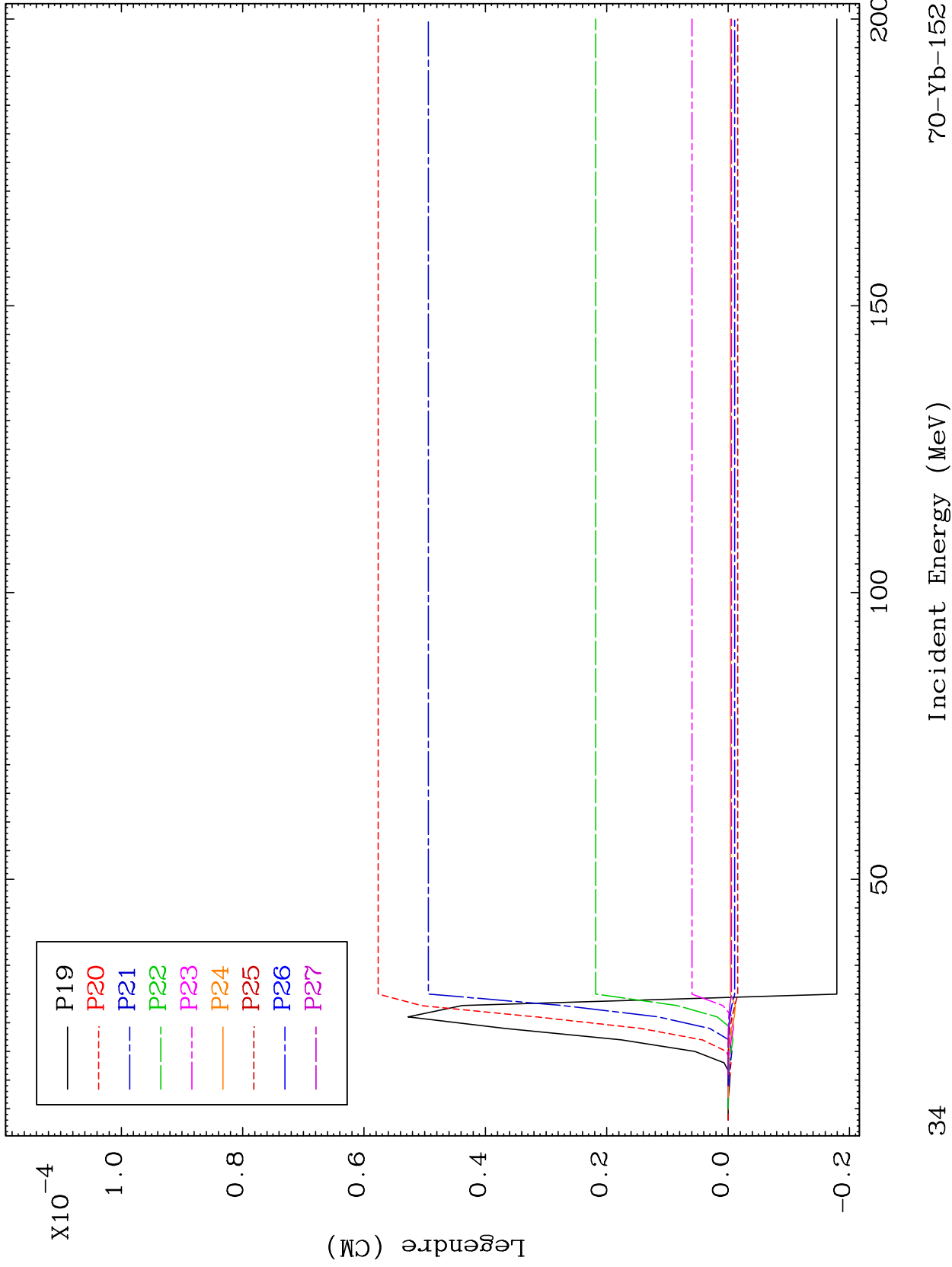
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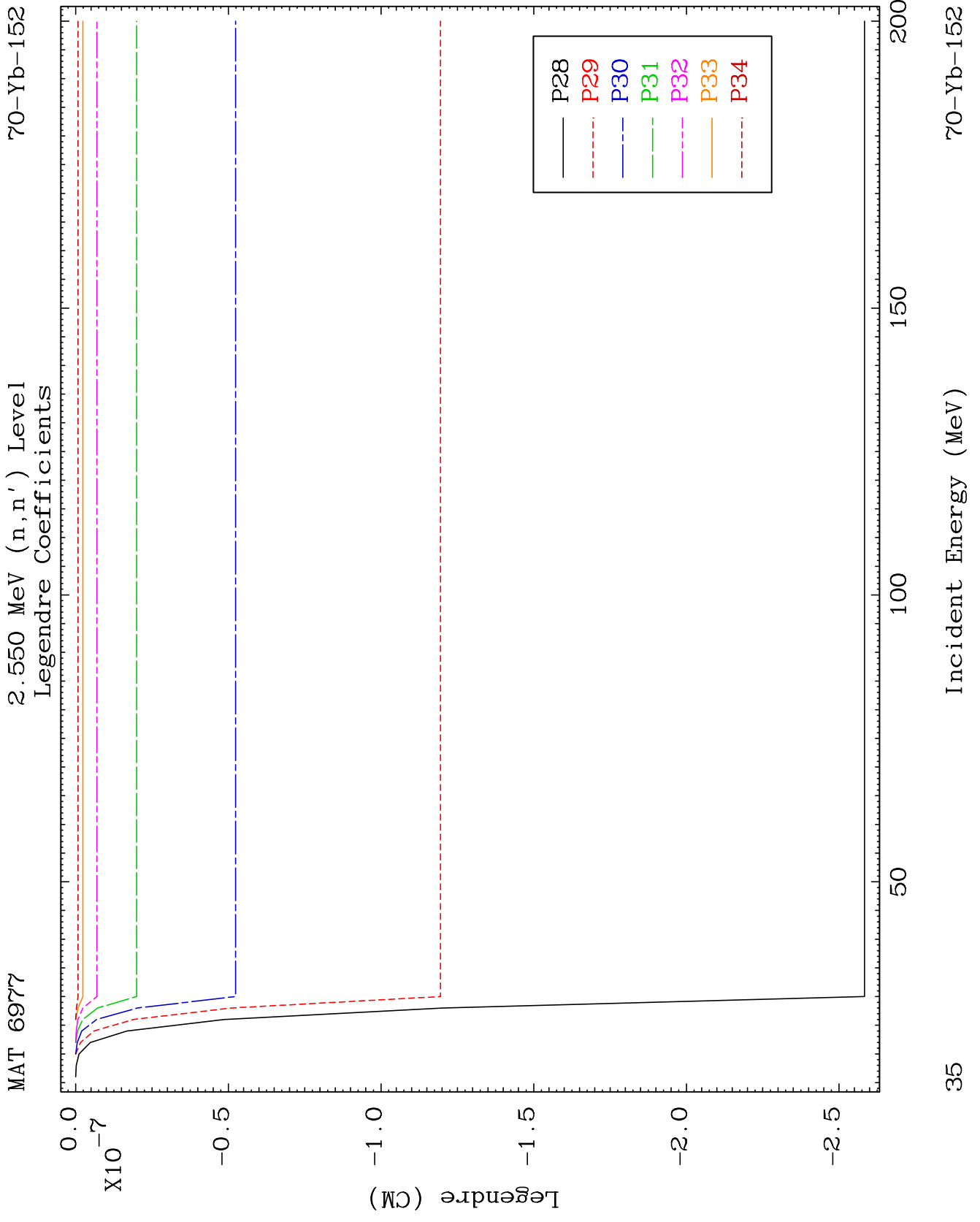


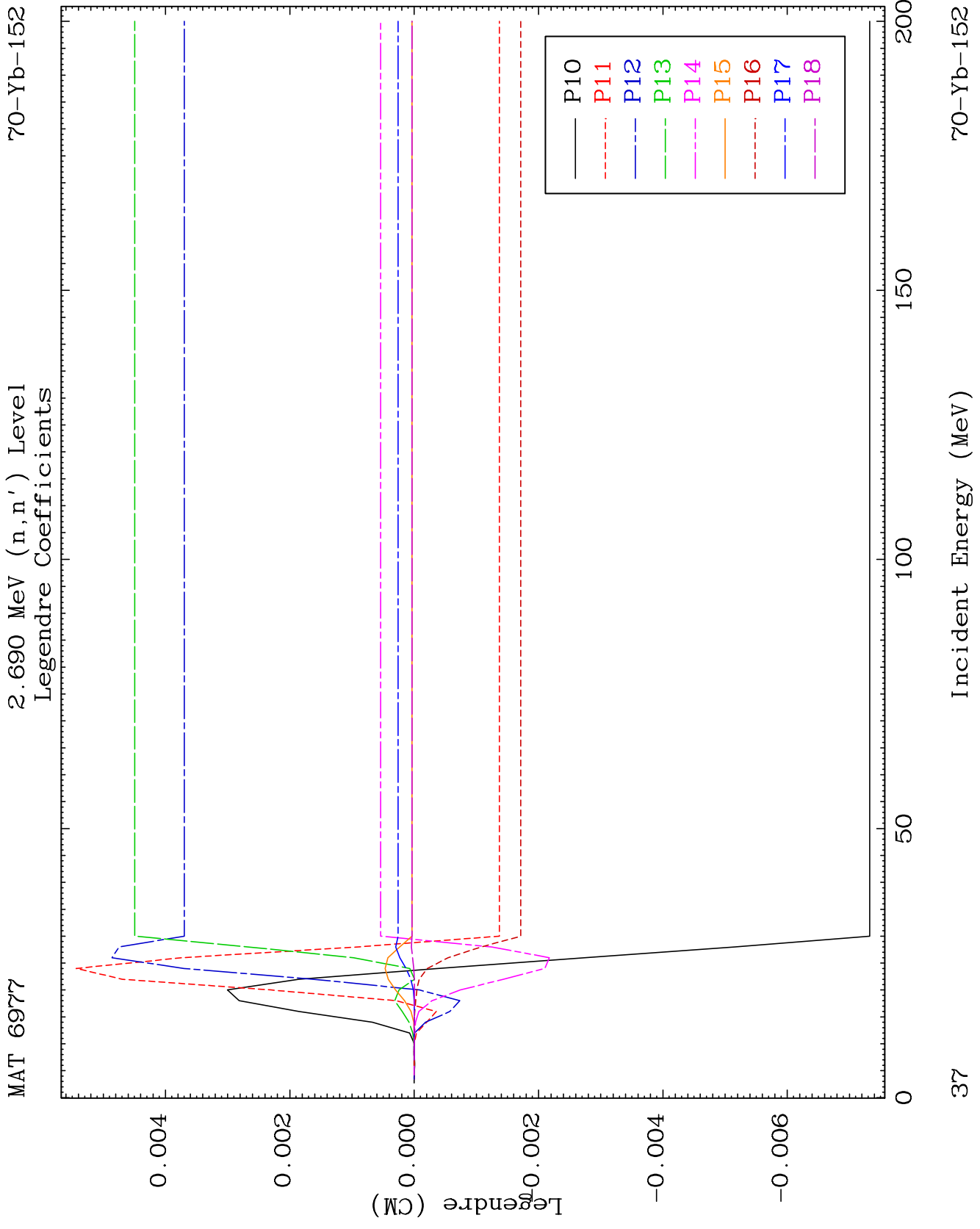
MAT 6977

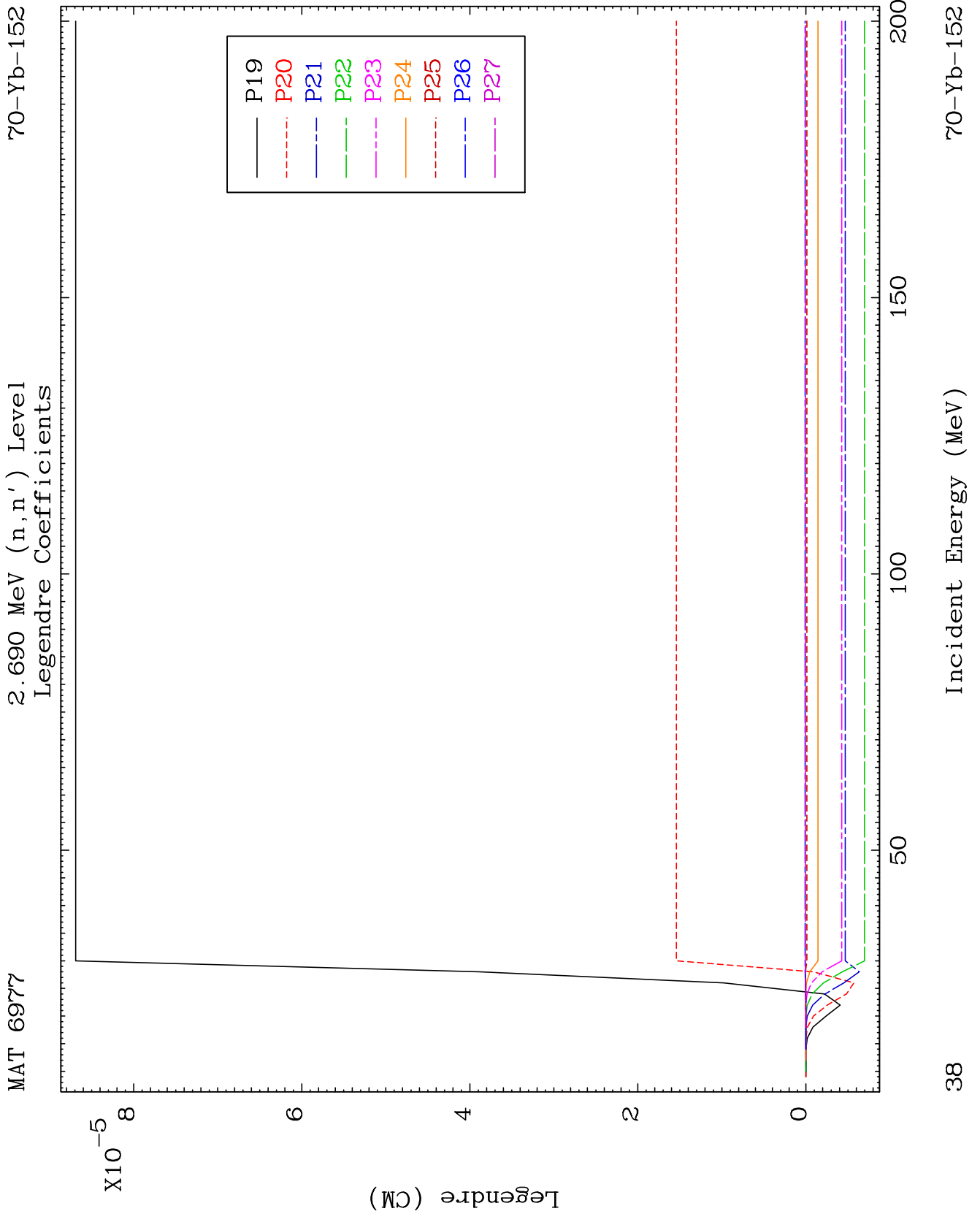
2.550 MeV (n, n') Level
Legendre Coefficients

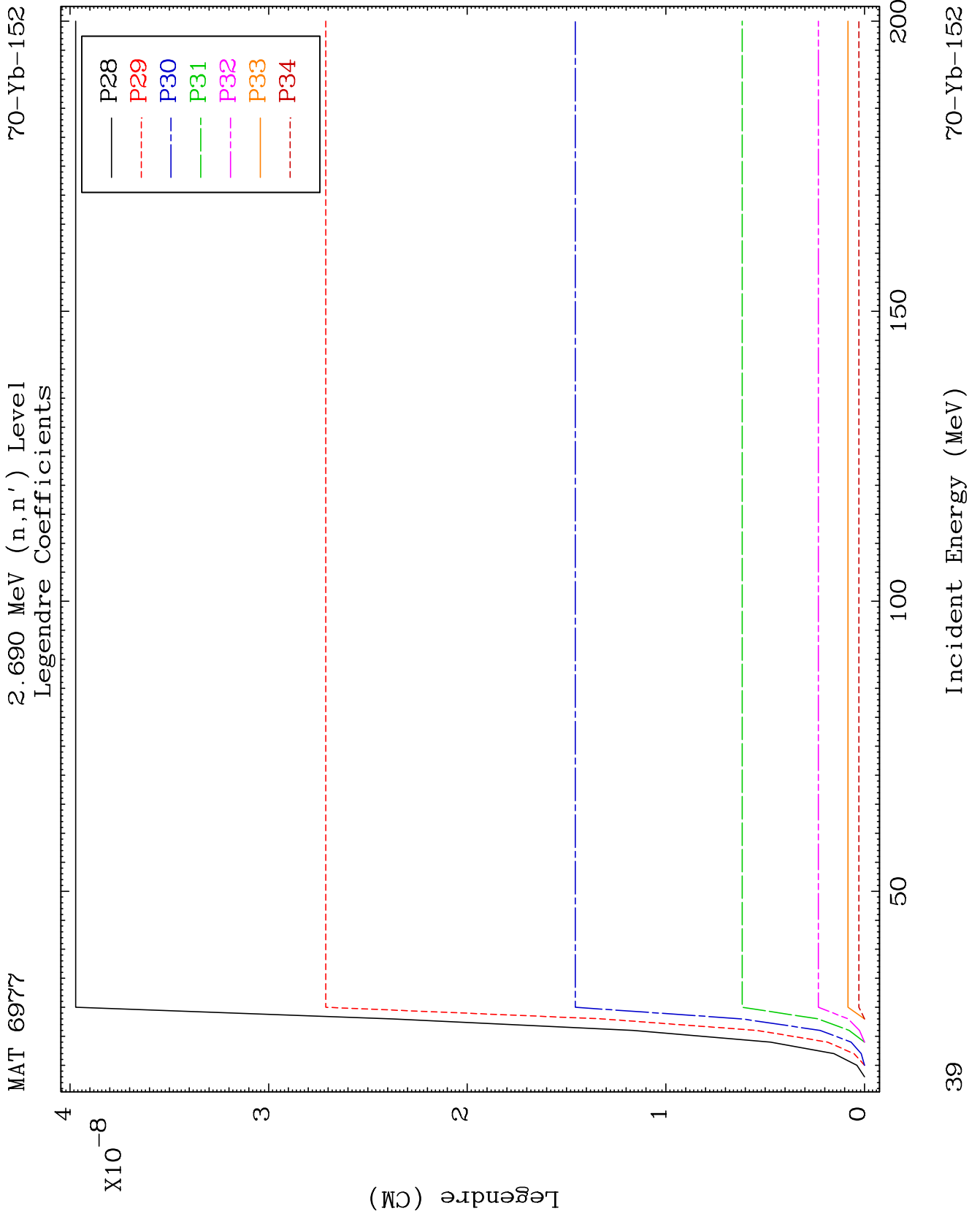
70-Yb-152







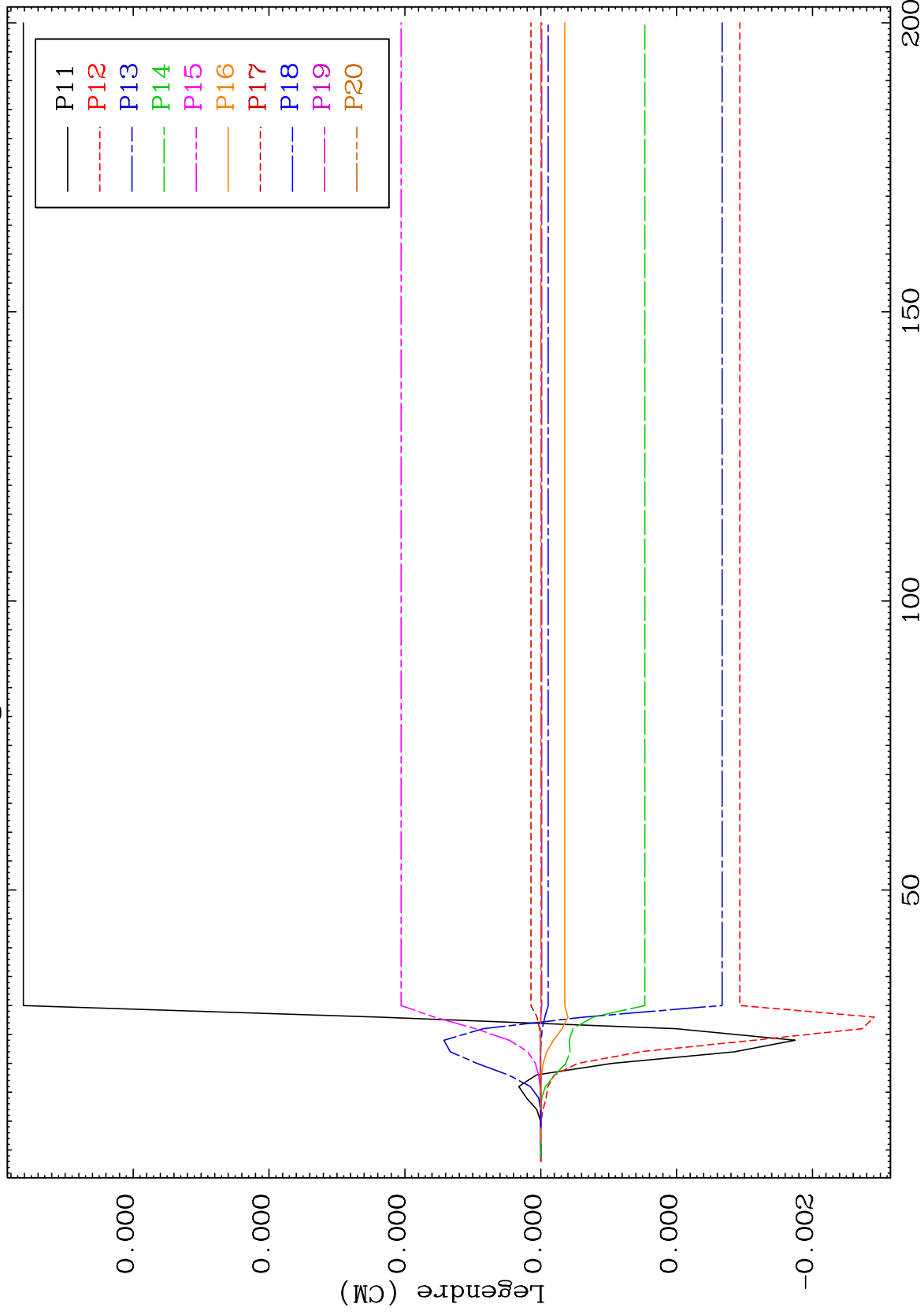




MAT 6977

2.744 MeV (n,n') Level
Legendre Coefficients

70-Yb-152



41

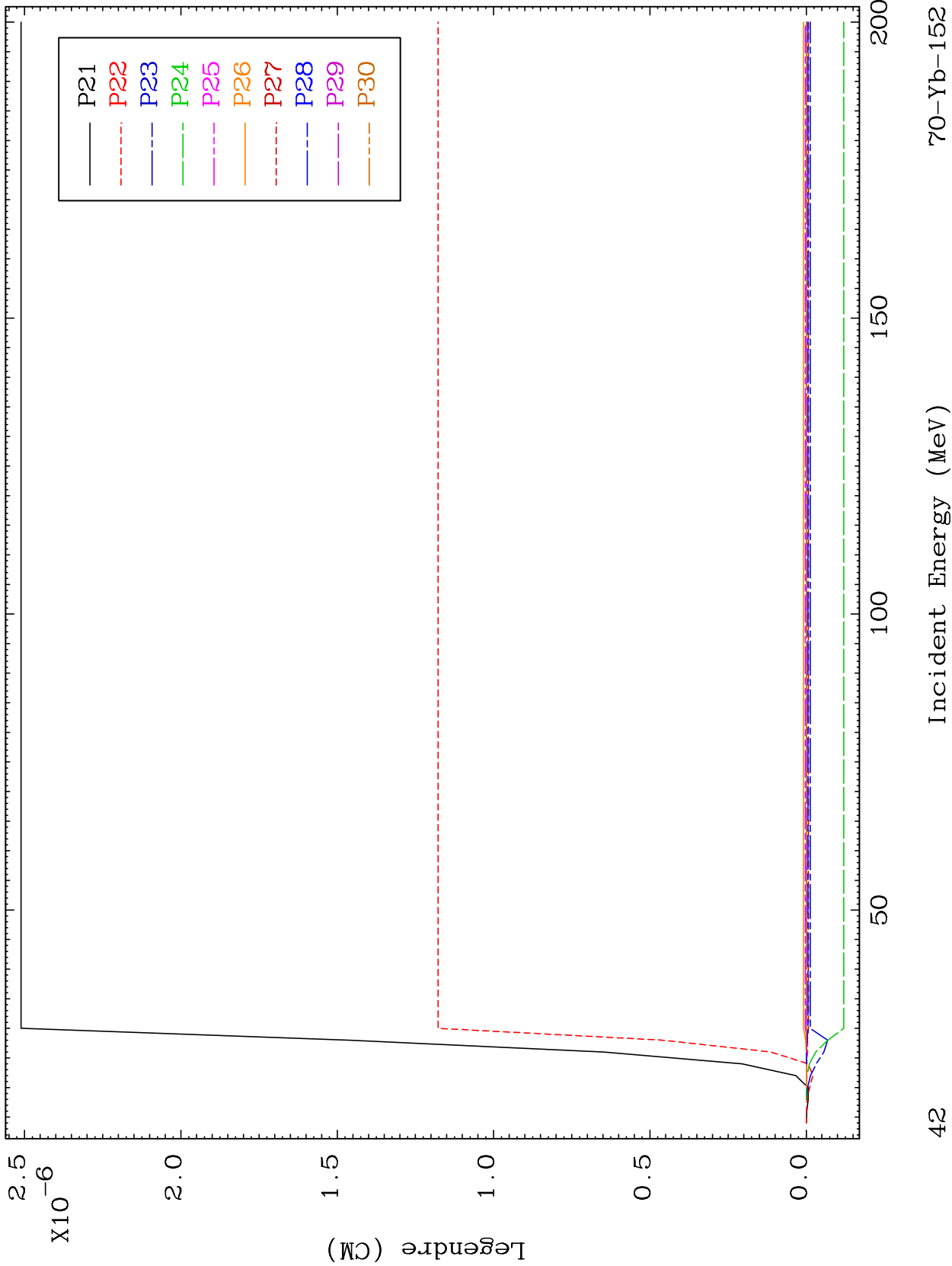
Incident Energy (MeV)

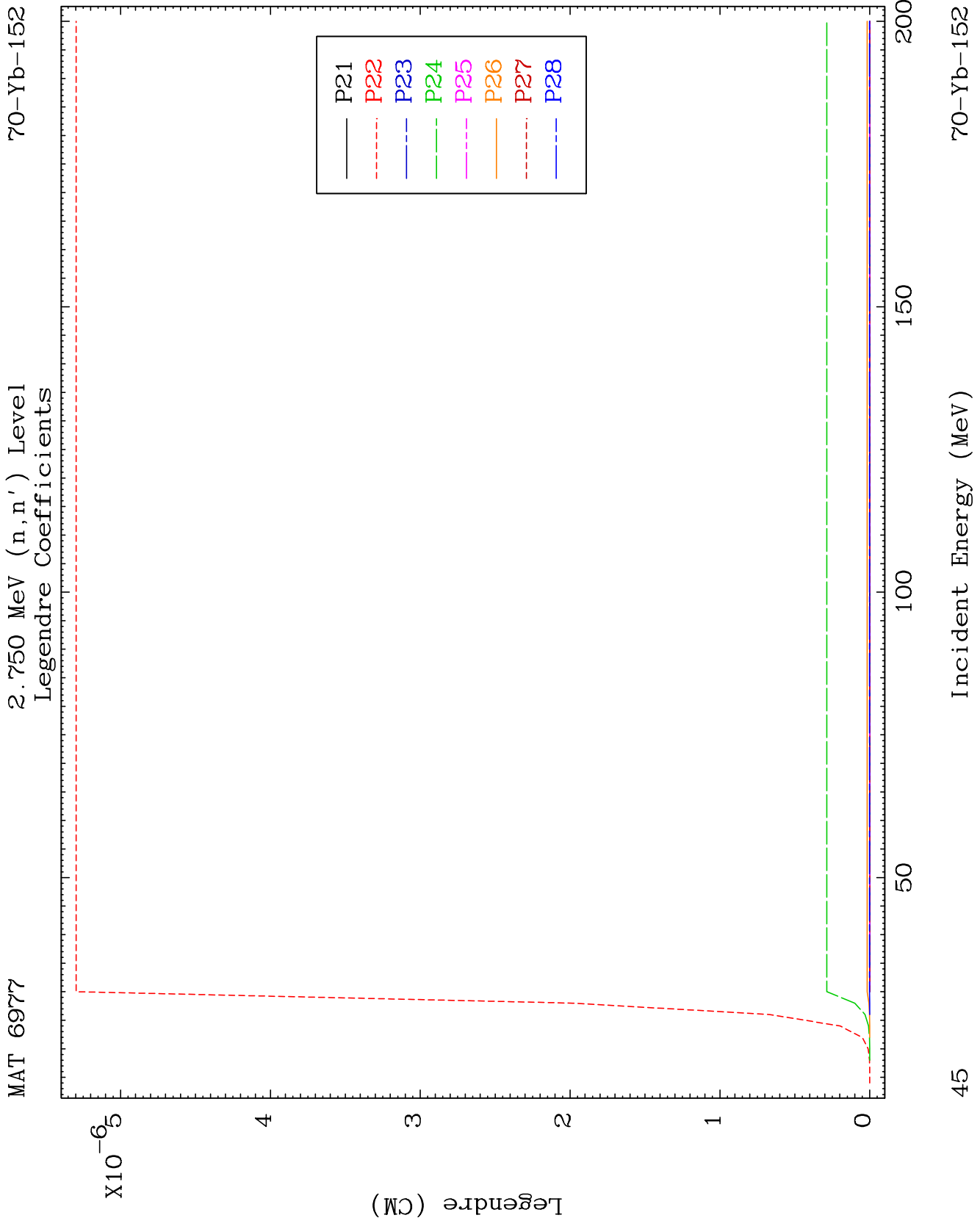
70-Yb-152

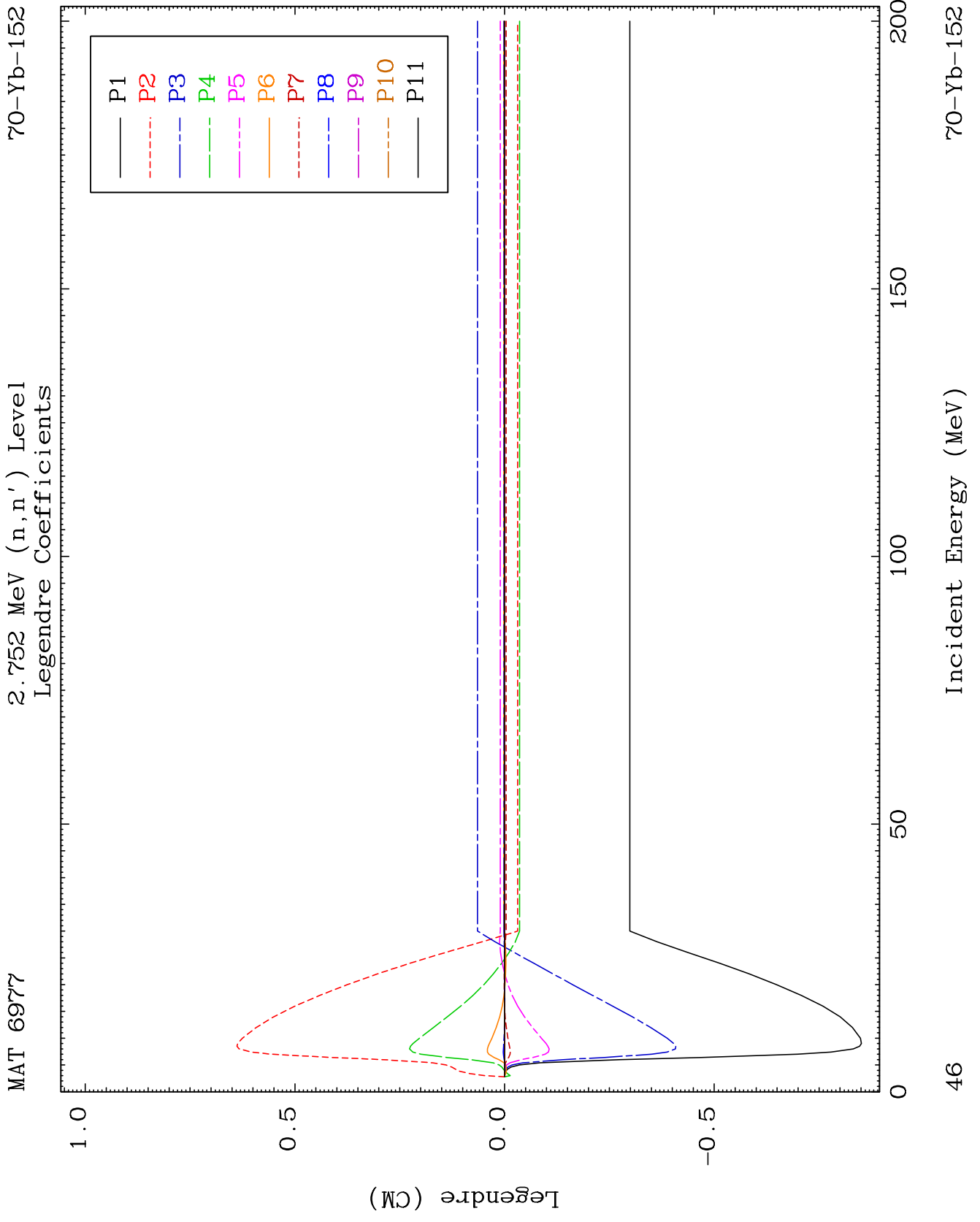
MAT 6977

2.744 MeV (n,n') Level
Legendre Coefficients

70-Yb-152



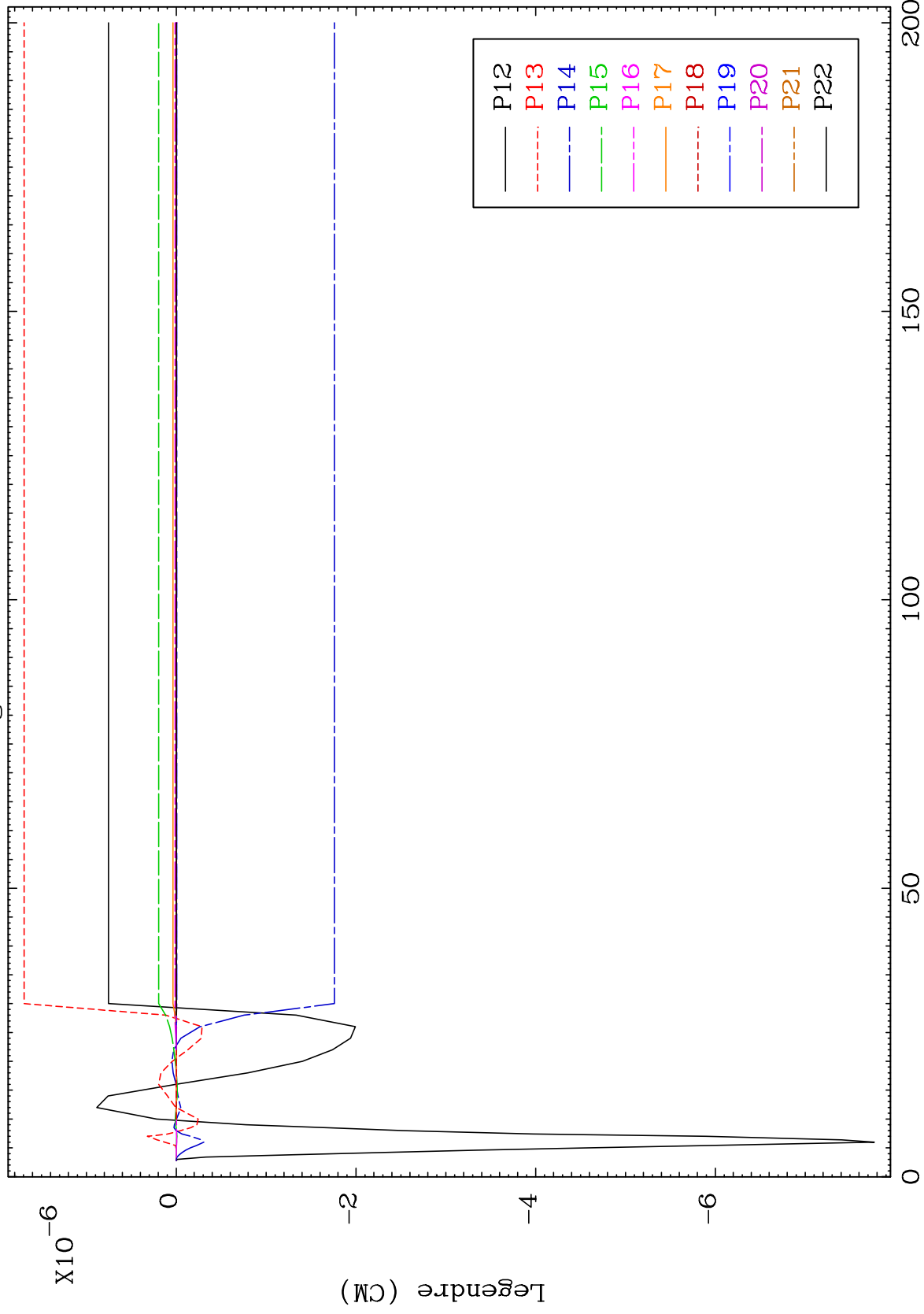




MAT 6977

2.752 MeV (n,n') Level
Legendre Coefficients

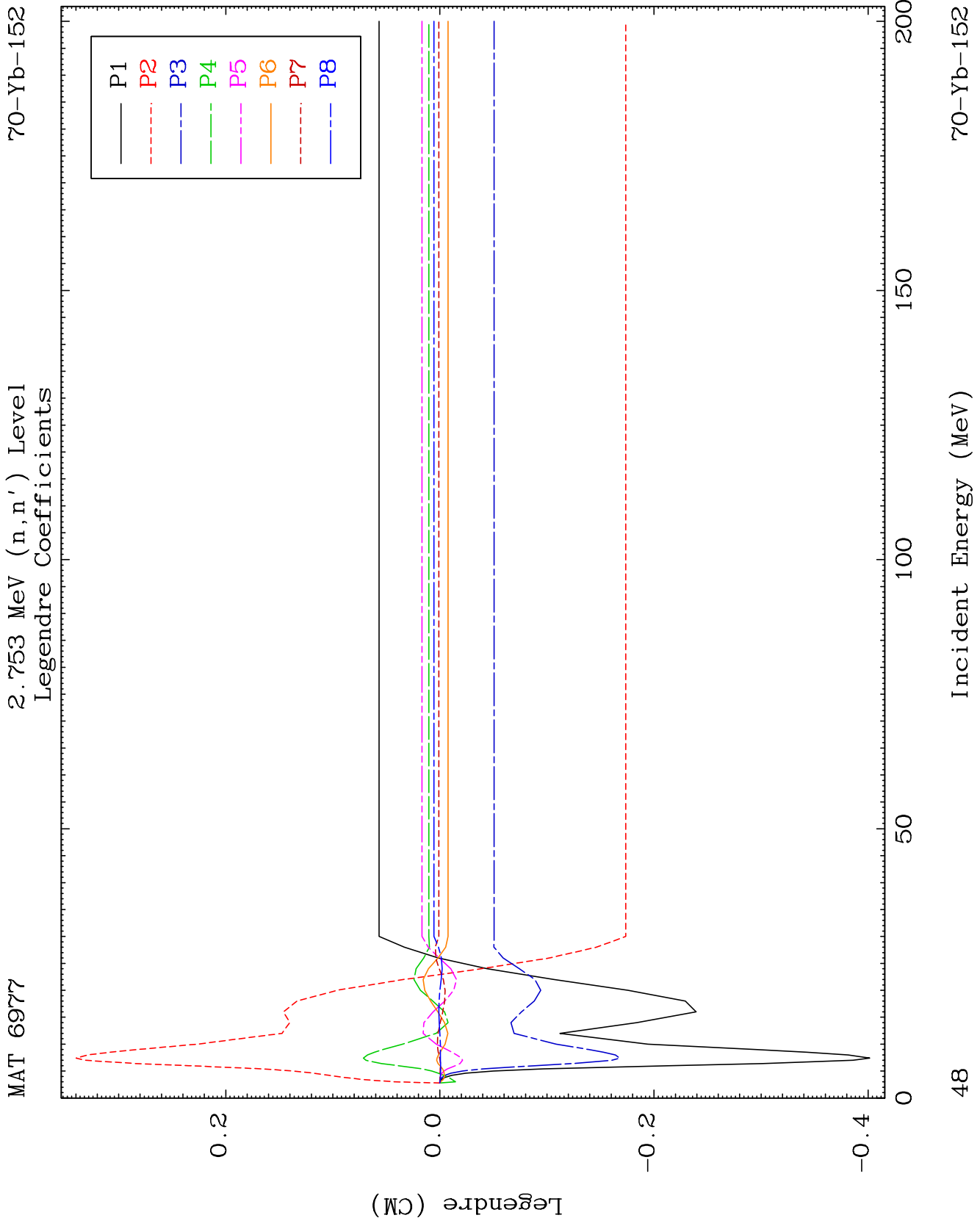
70-Yb-152



47

Incident Energy (MeV)

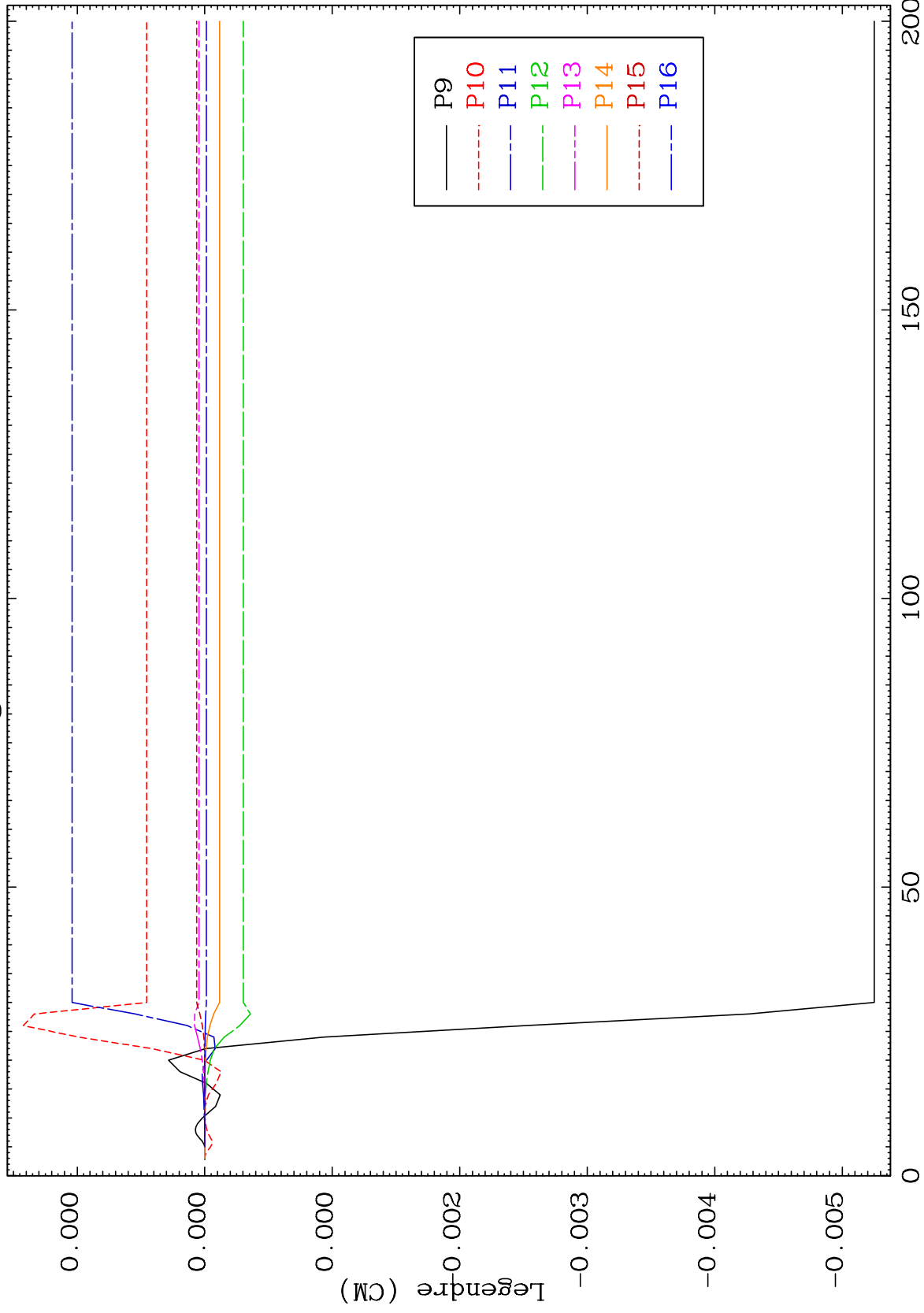
70-Yb-152



MAT 6977

2.753 MeV (n, n') Level
Legendre Coefficients

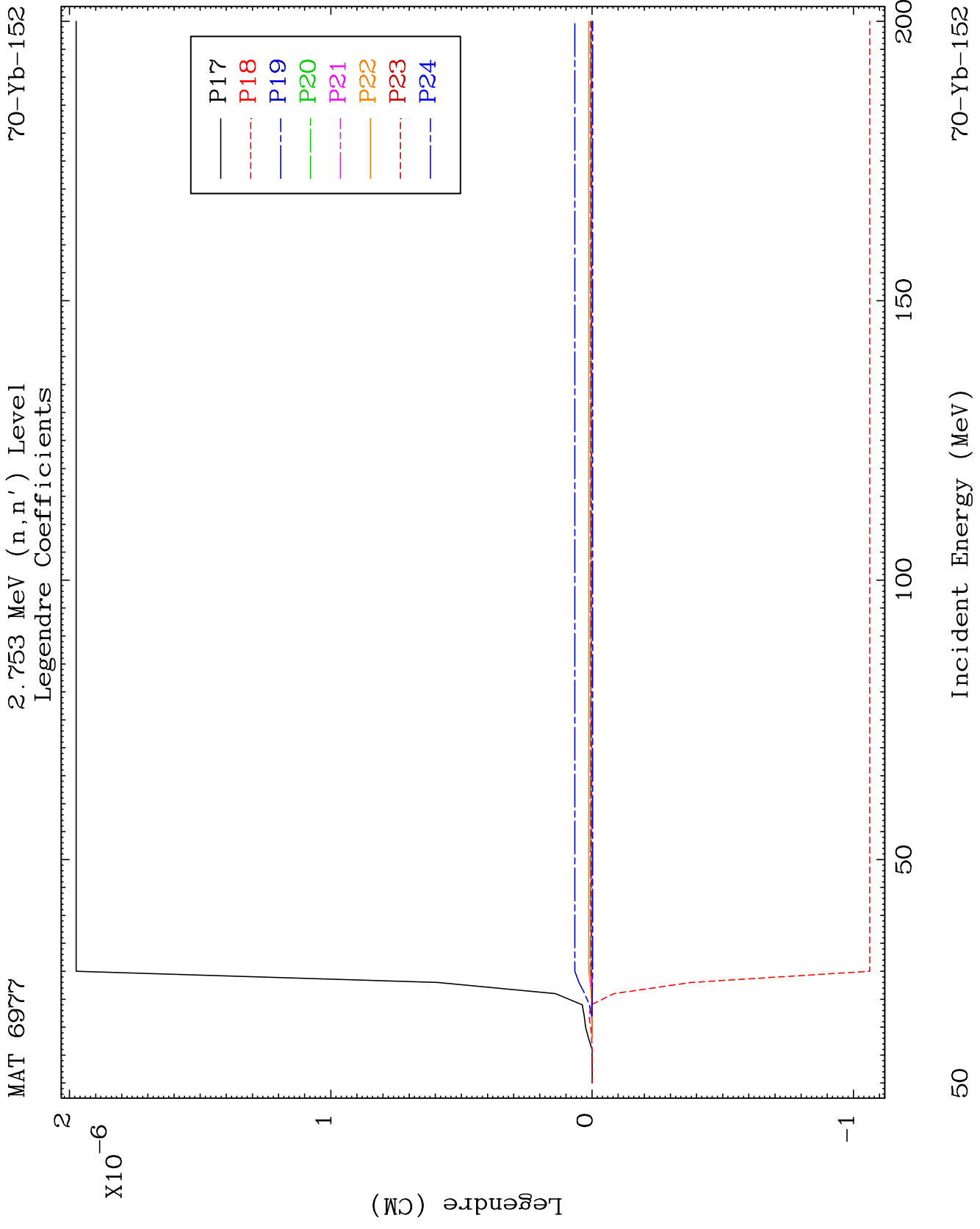
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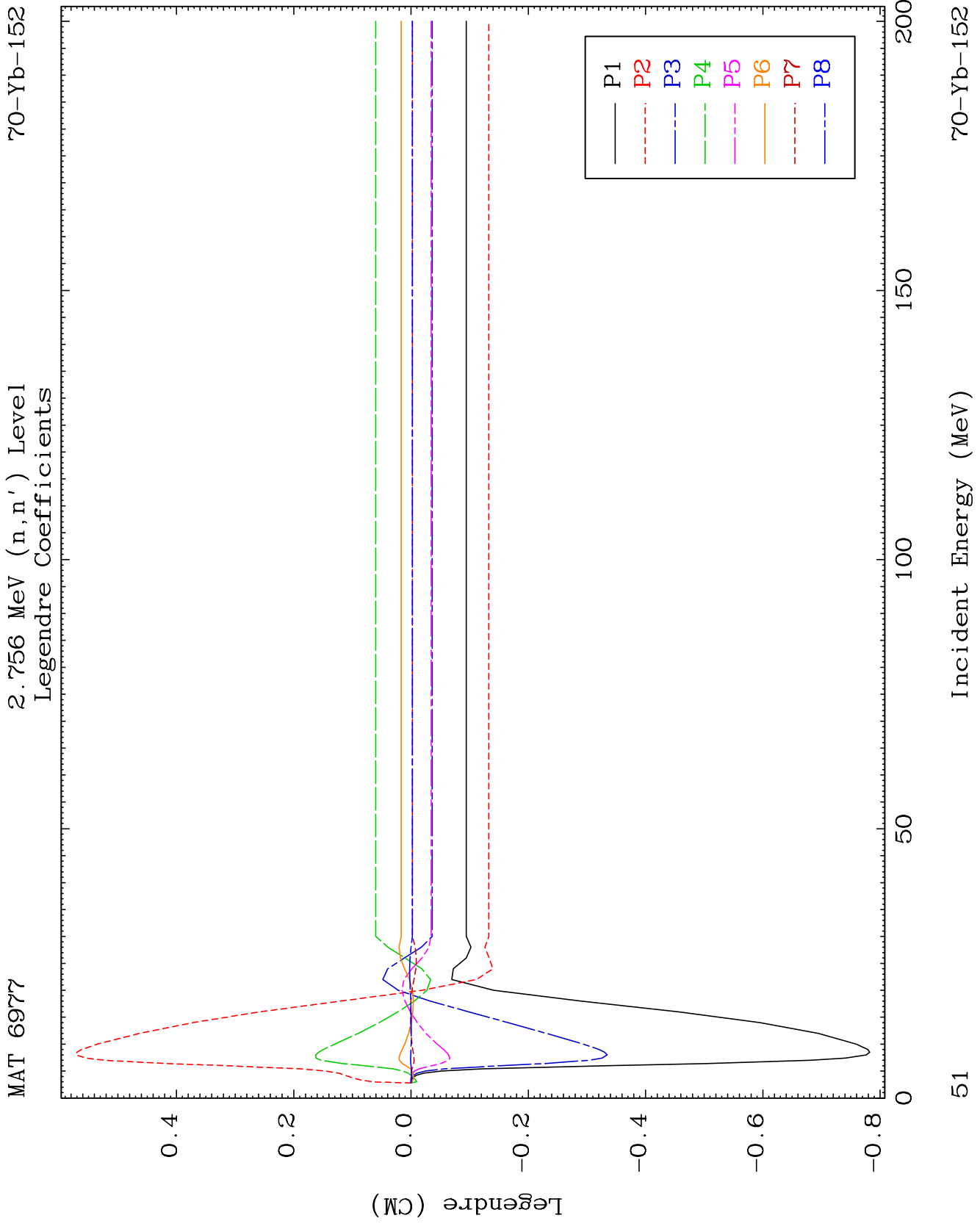


49

Incident Energy (MeV)

70-Yb-152

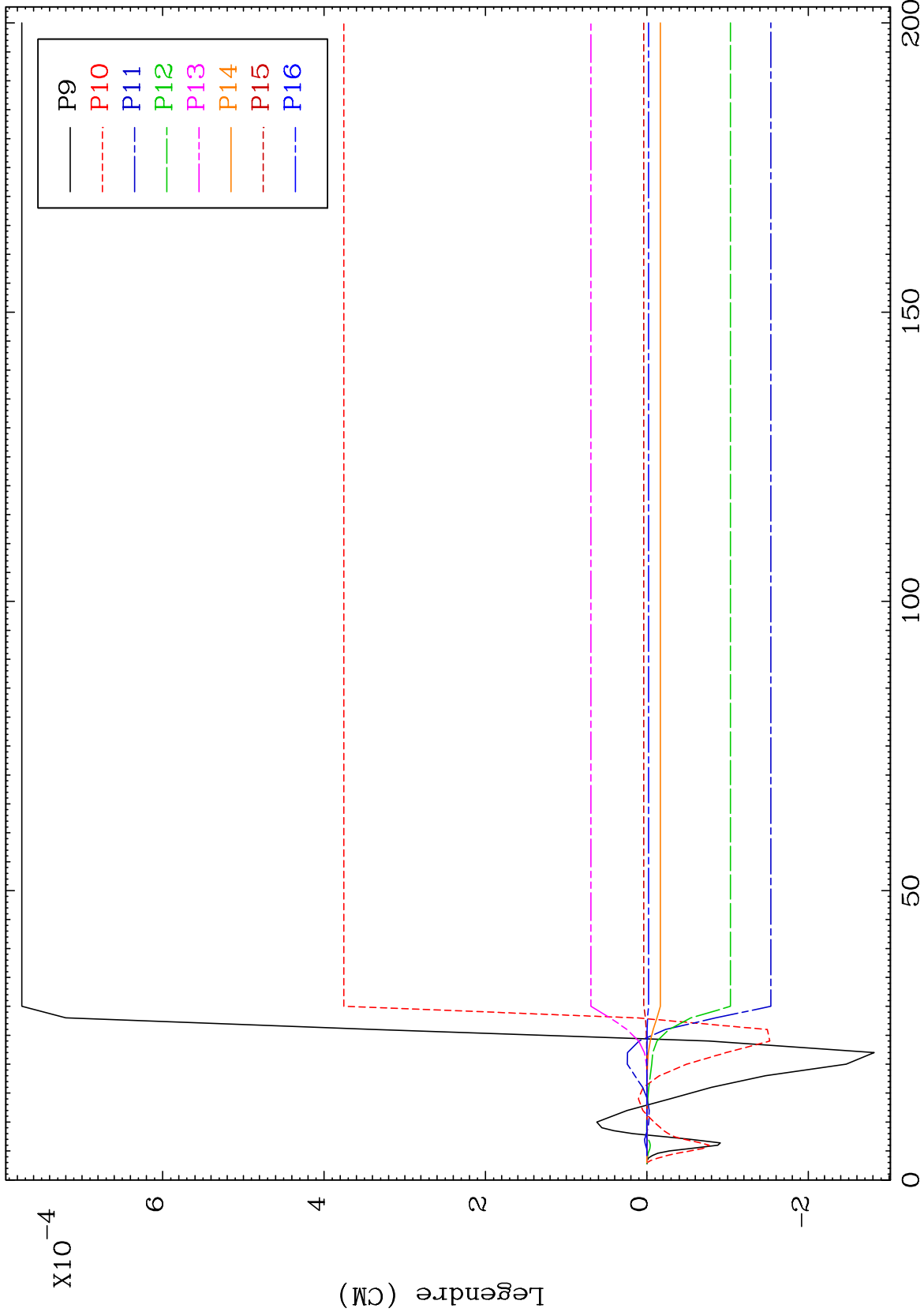




MAT 6977

2.756 MeV (n, n') Level
Legendre Coefficients

70-Yb-152



52

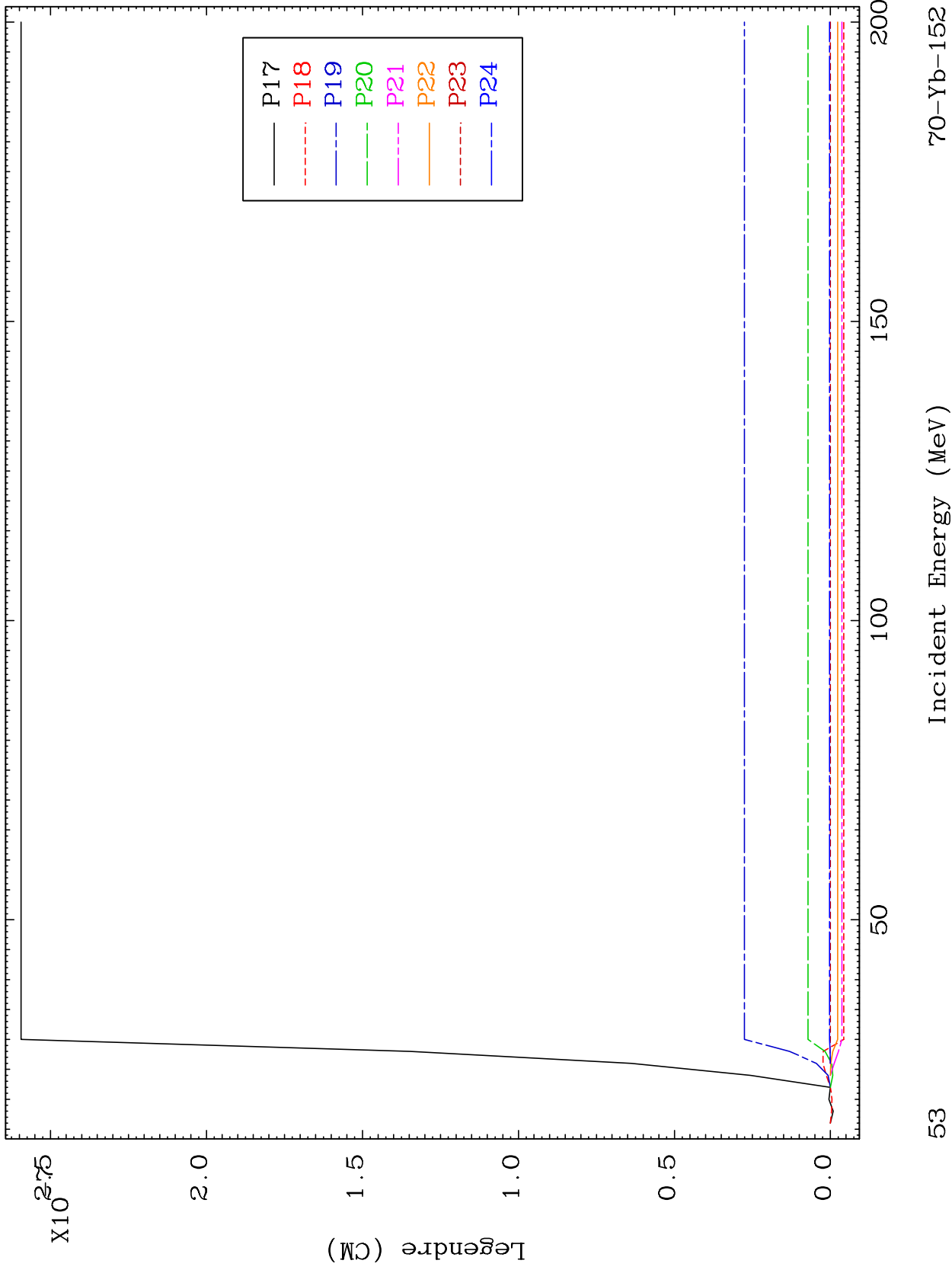
Incident Energy (MeV)

70-Yb-152

MAT 6977

2.756 MeV (n, n') Level
Legendre Coefficients

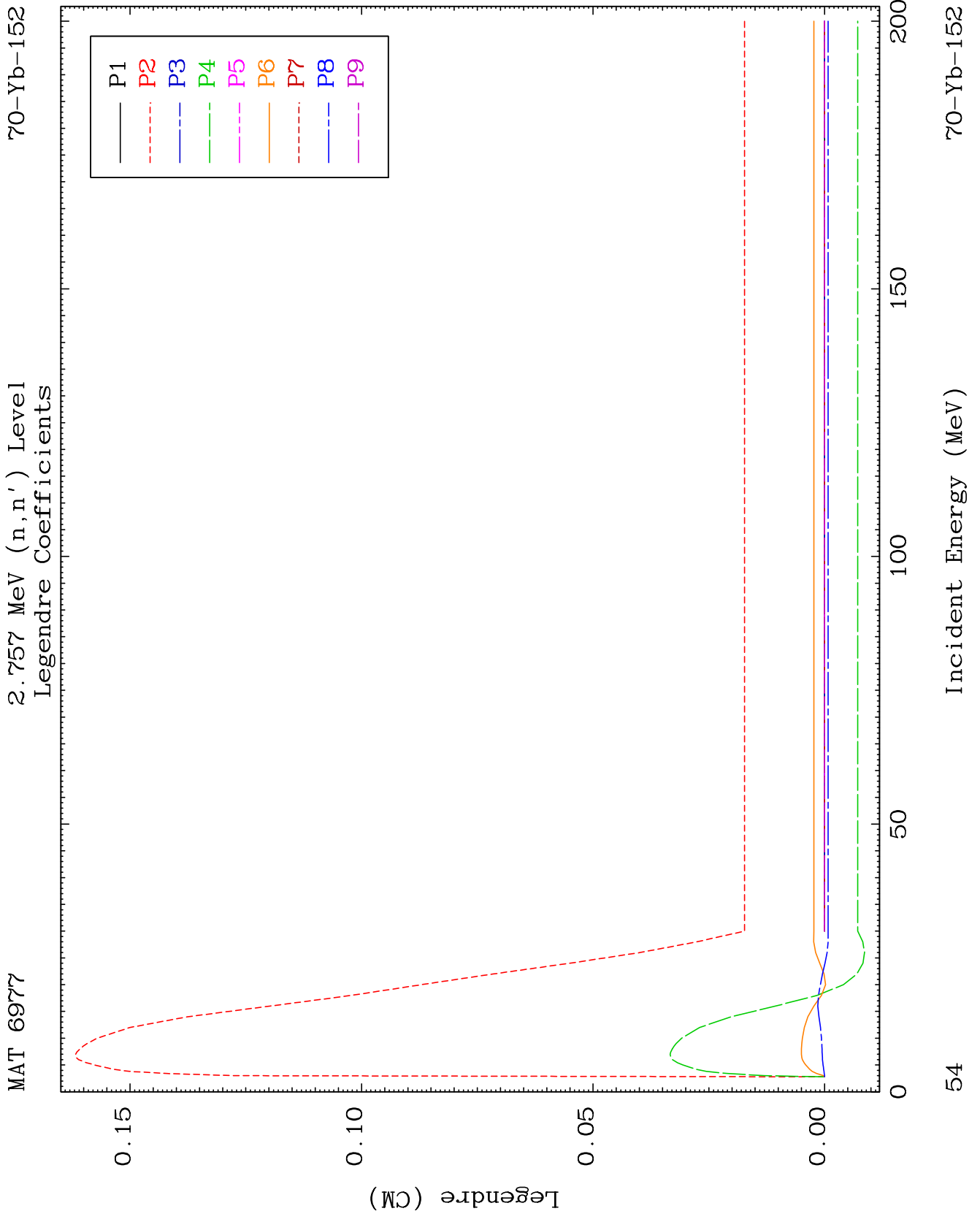
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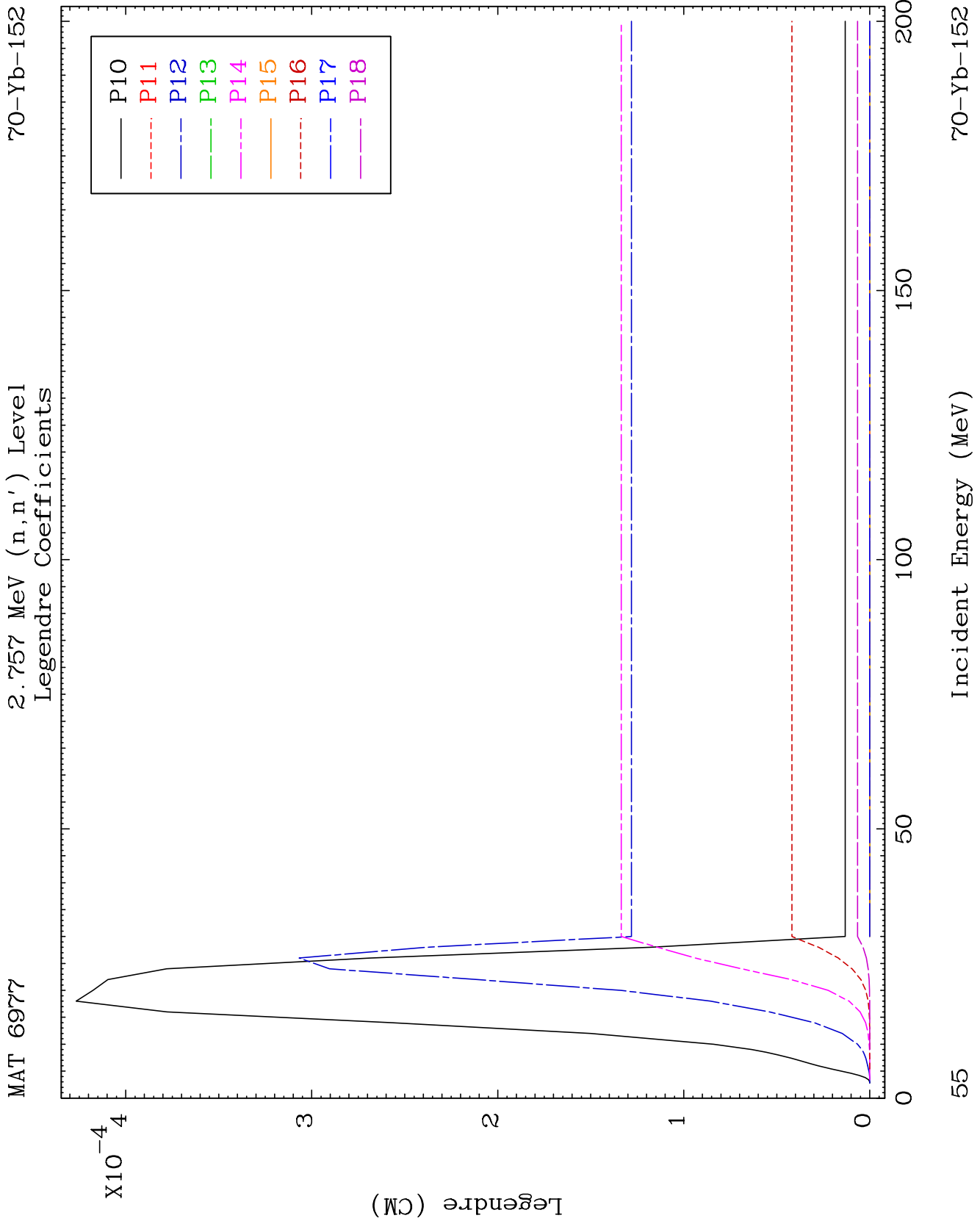


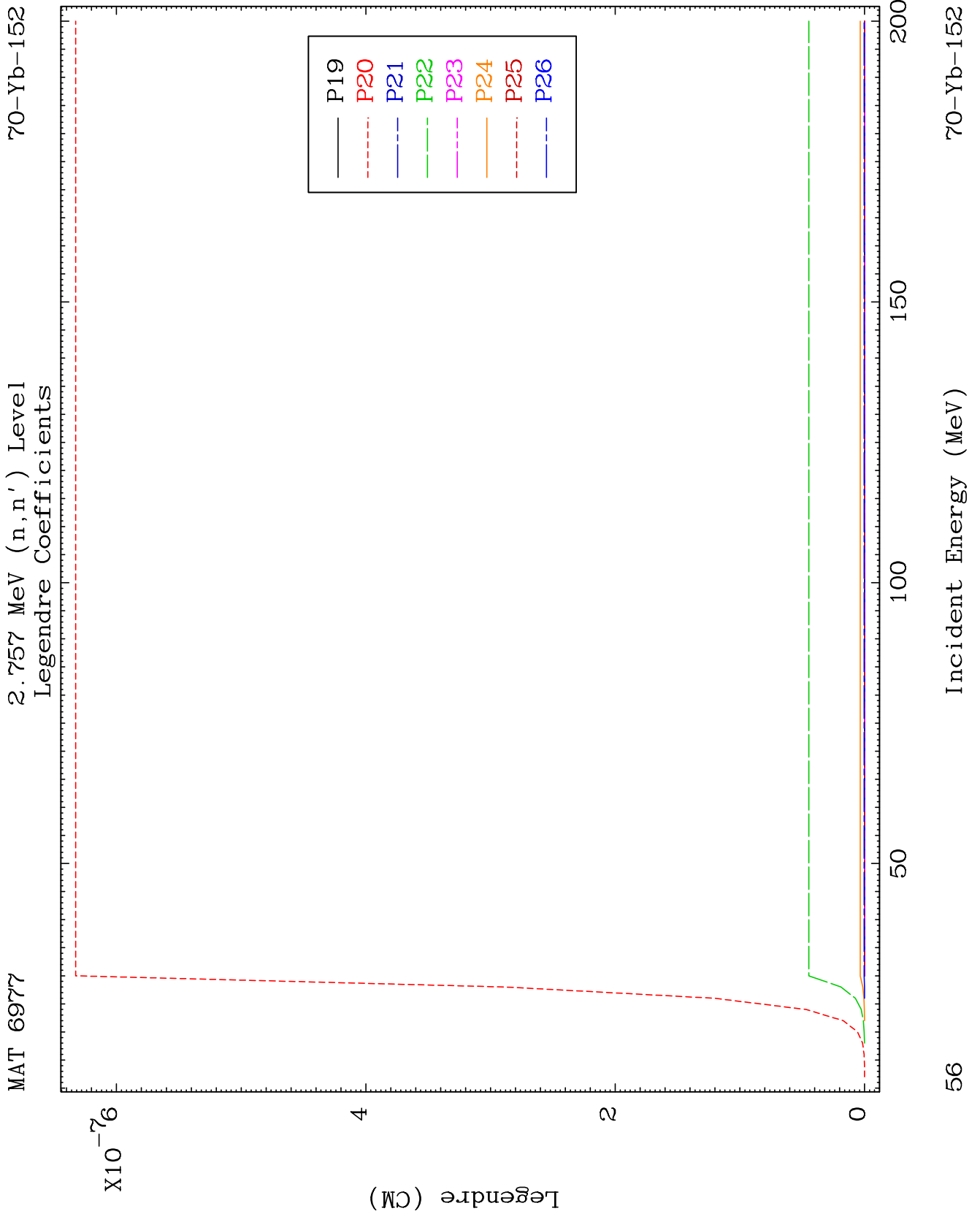
53

Incident Energy (MeV)

70-Yb-152



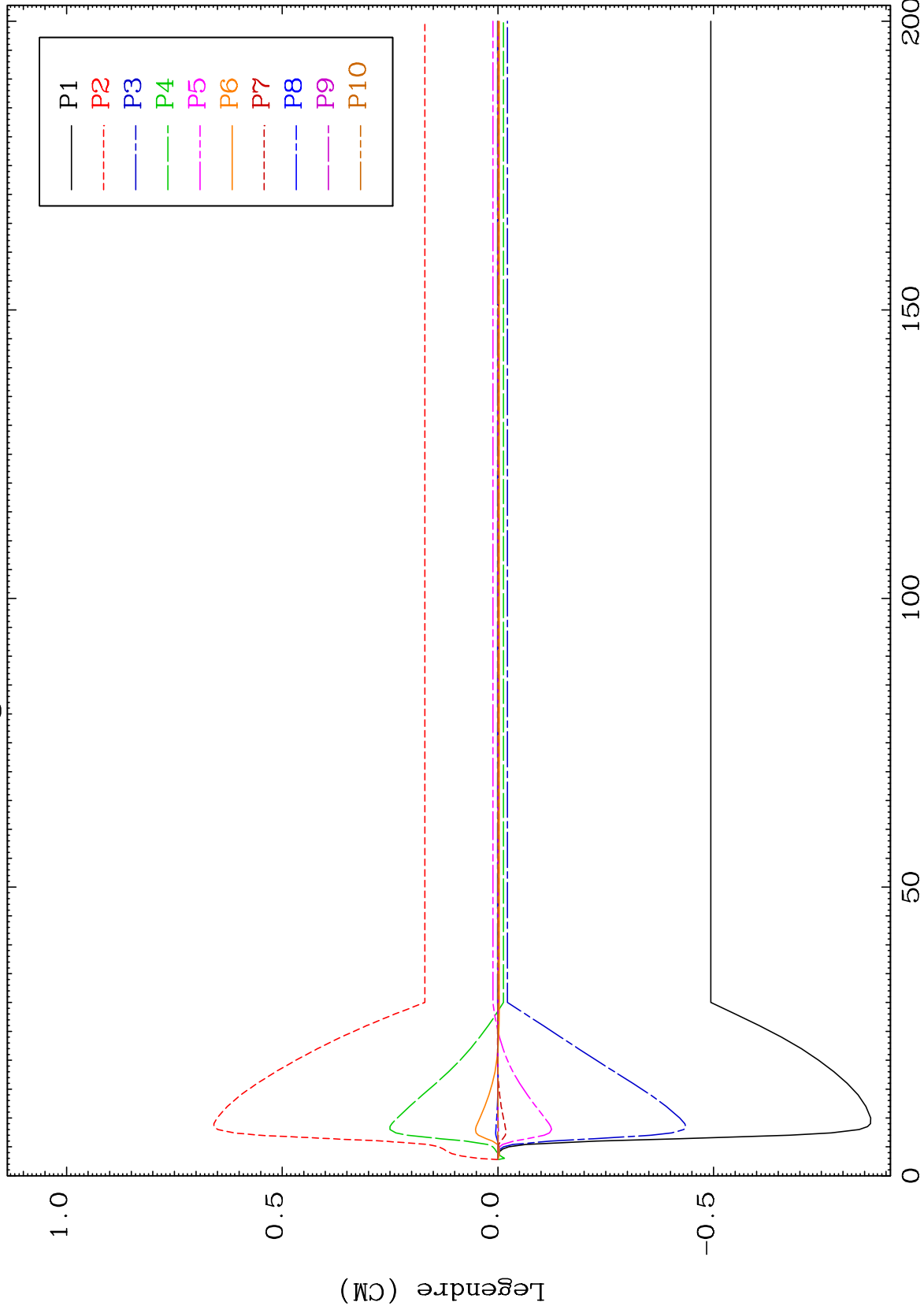




MAT 6977

2.758 MeV (n,n') Level
Legendre Coefficients

70-Yb-152



57

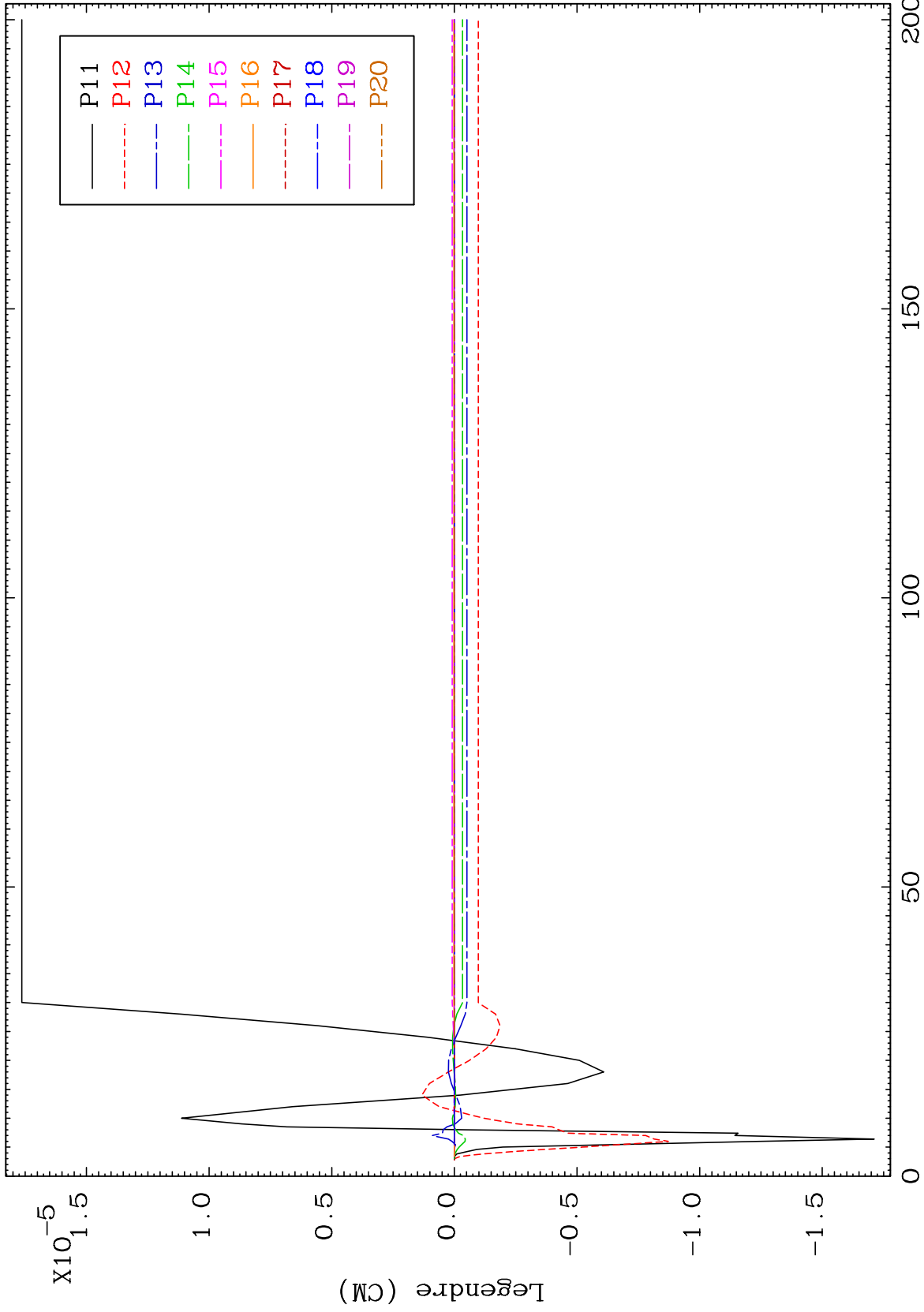
Incident Energy (MeV)

70-Yb-152

MAT 6977

2.758 MeV (n, n') Level
Legendre Coefficients

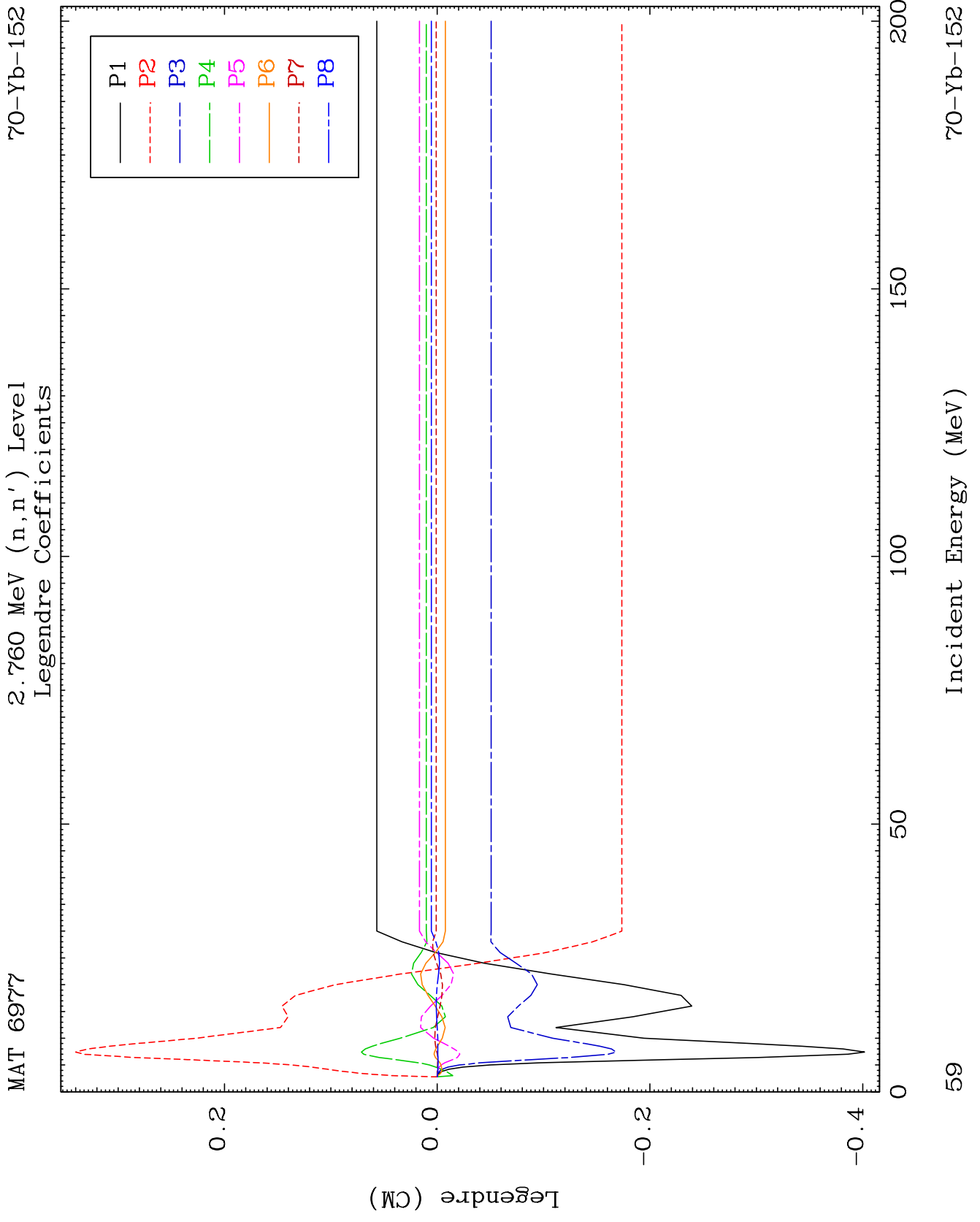
70-Yb-152

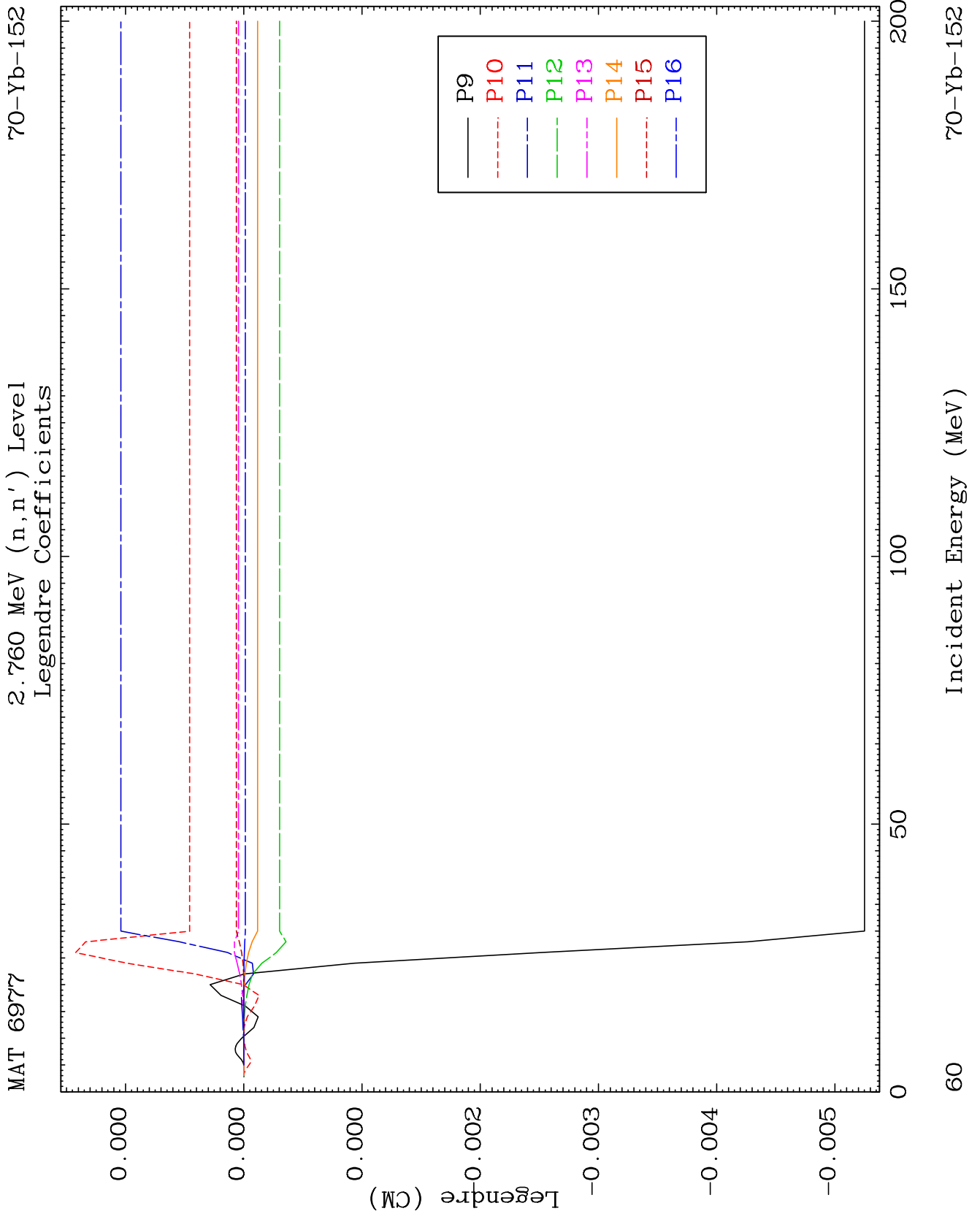


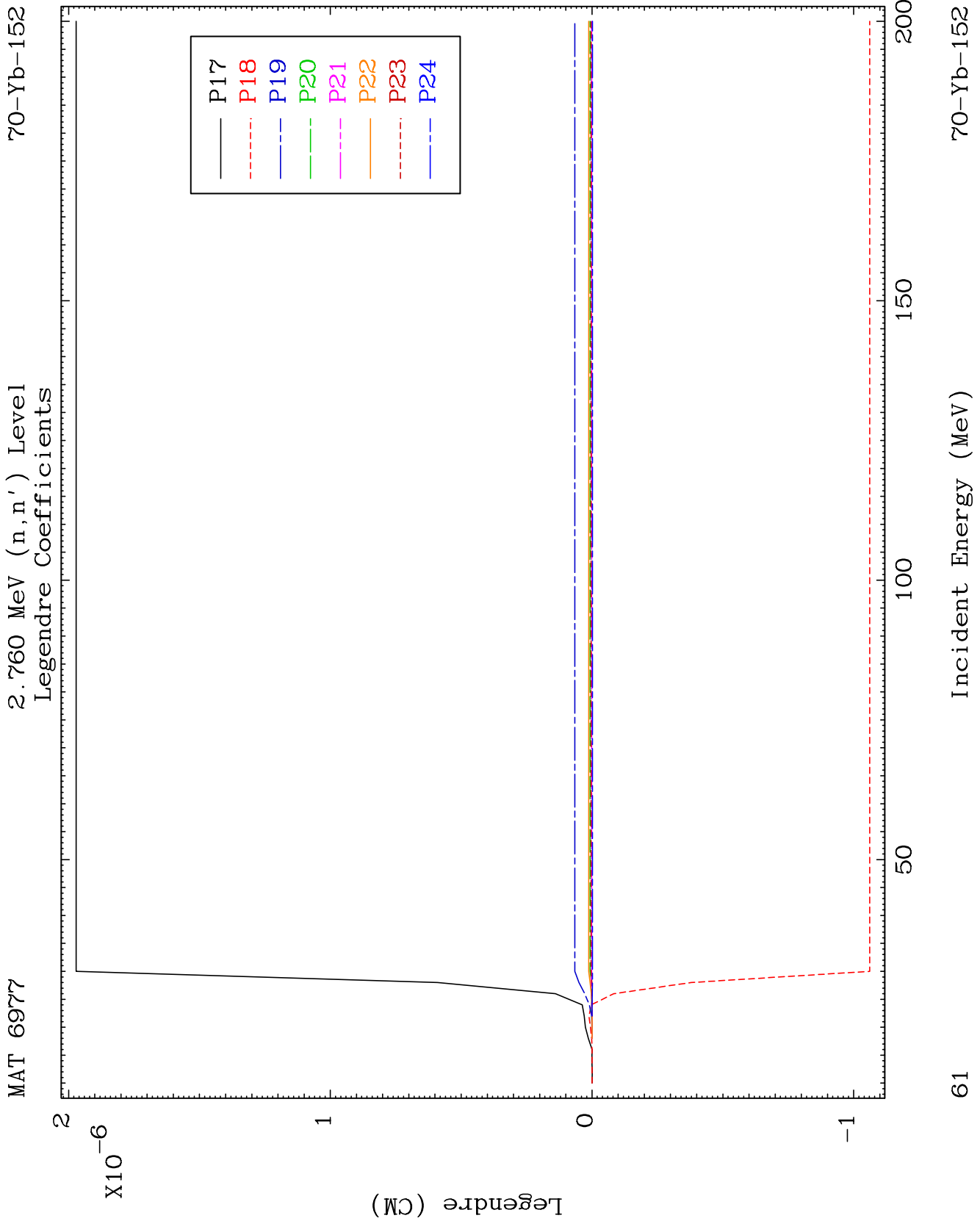
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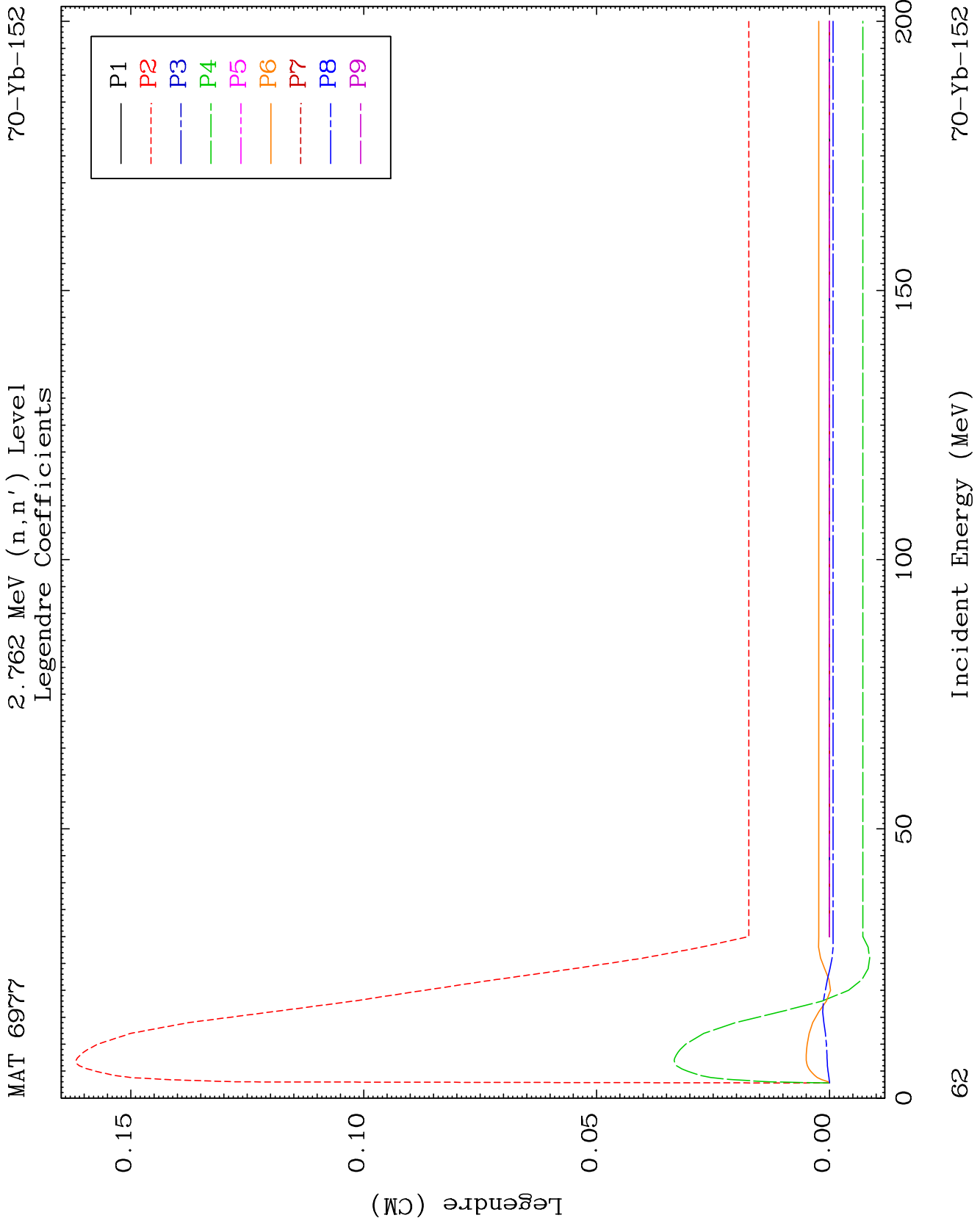
Incident Energy (MeV)

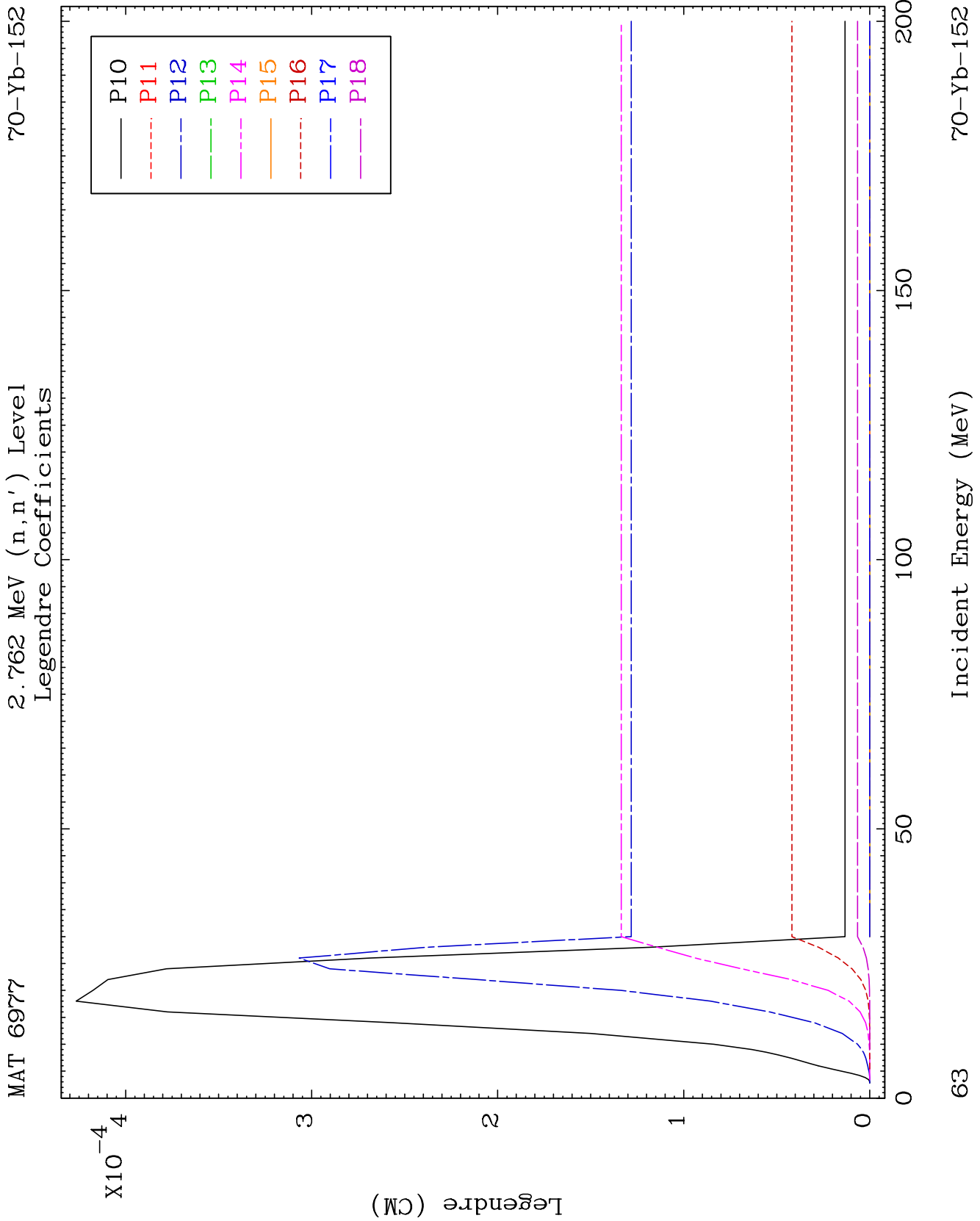
70-Yb-152







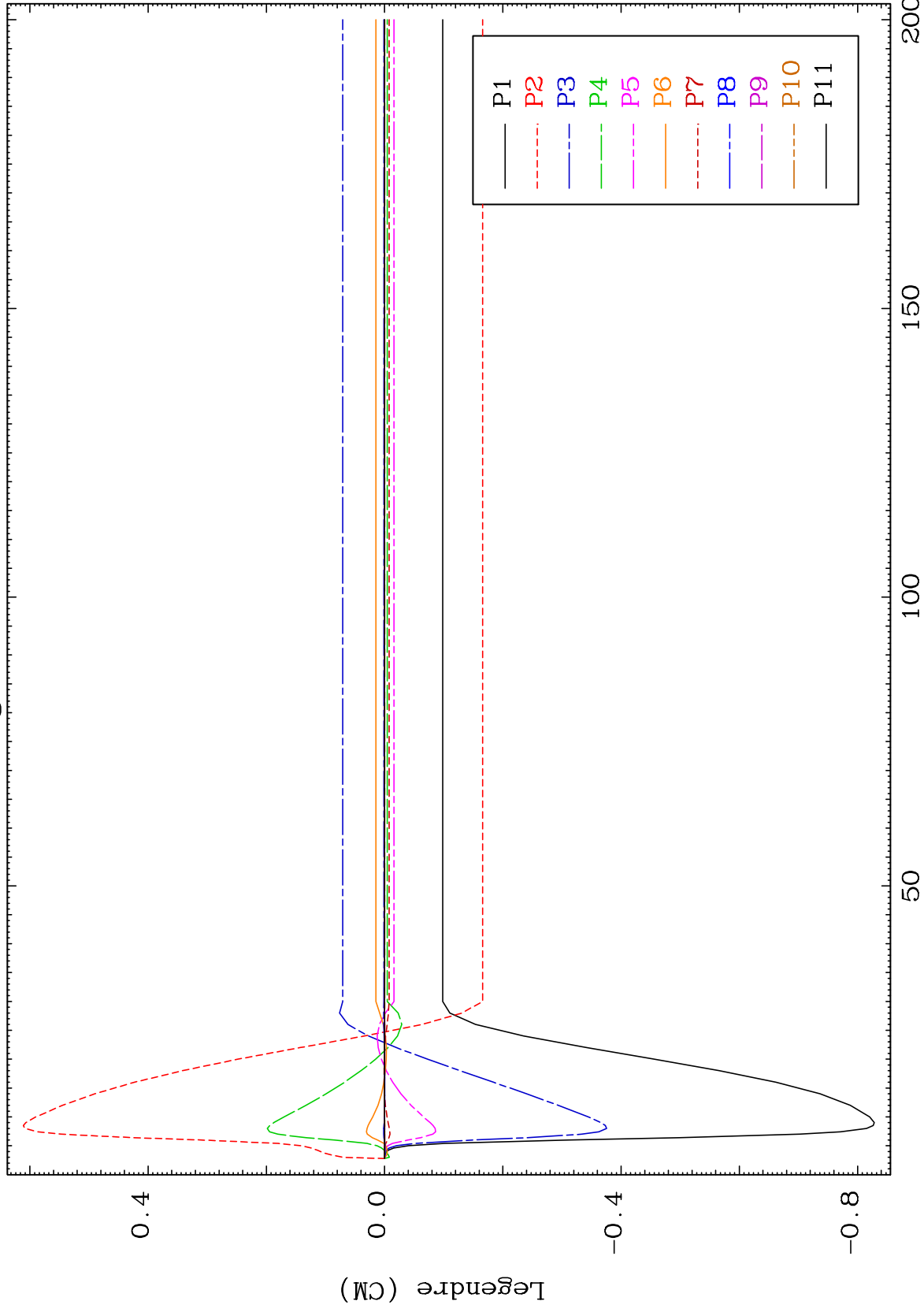




MAT 6977

2.763 MeV (n,n') Level
Legendre Coefficients

70-Yb-152



65

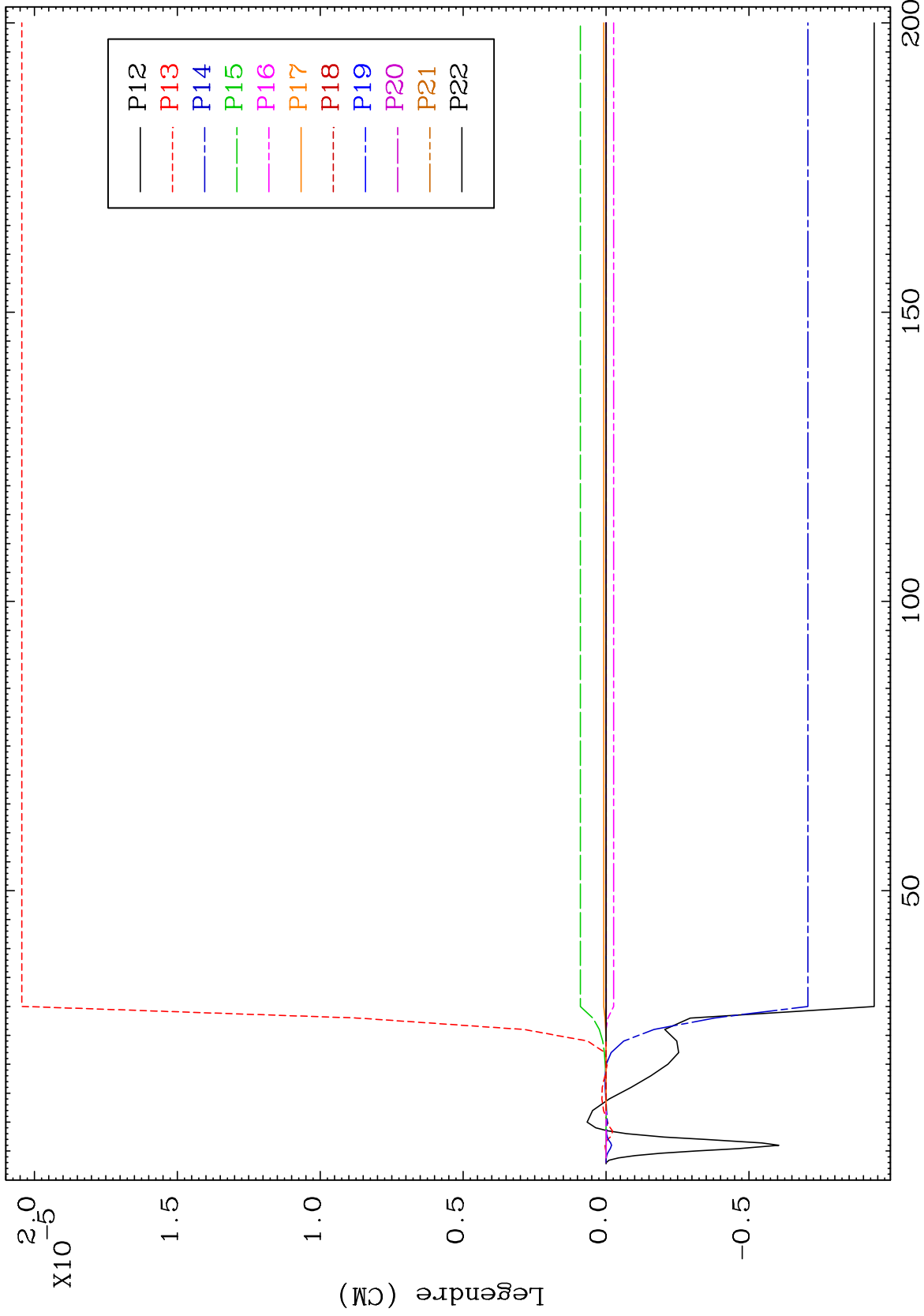
Incident Energy (MeV)

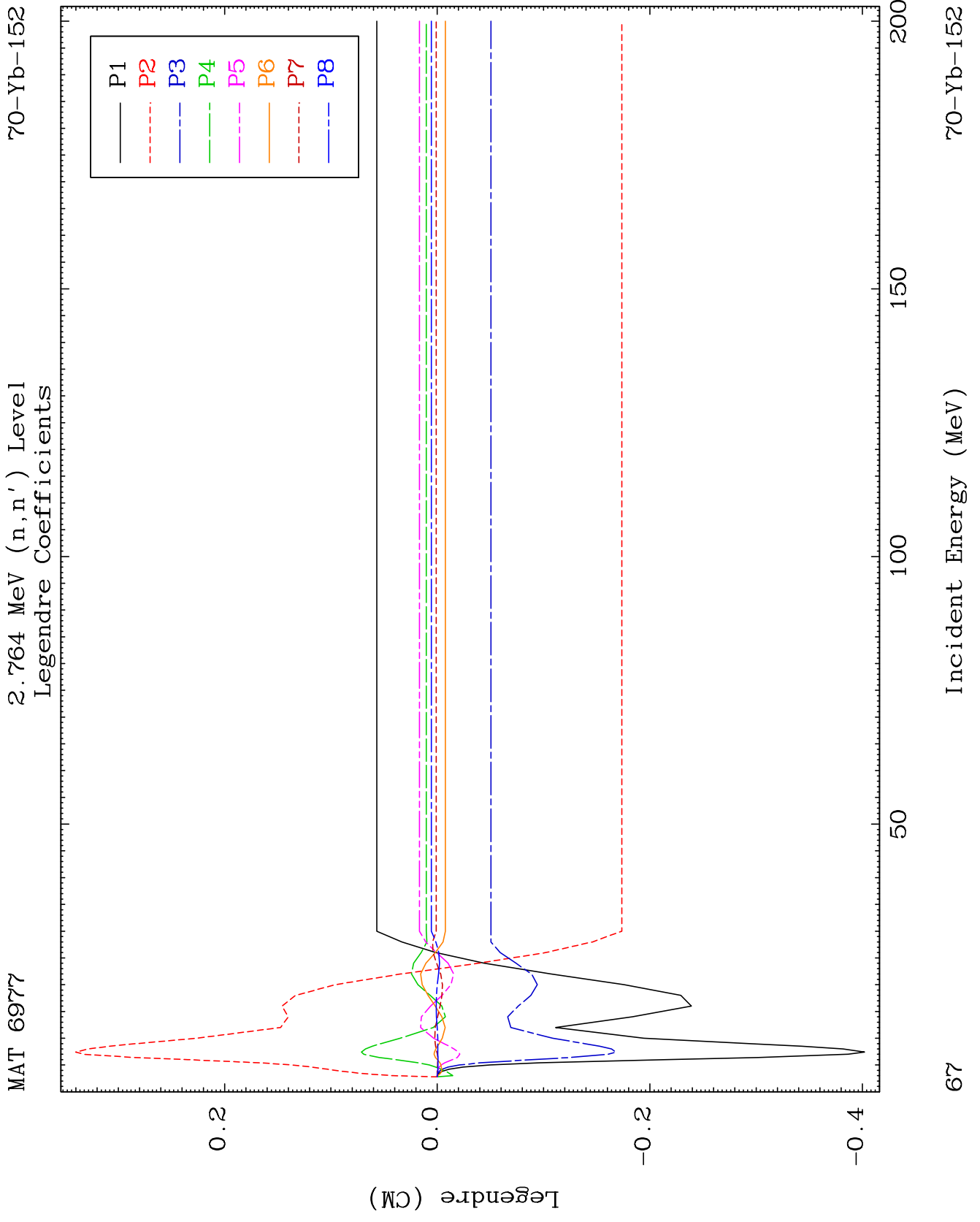
70-Yb-152

MAT 6977

2.763 MeV (n, n') Level
Legendre Coefficients

70-Yb-152

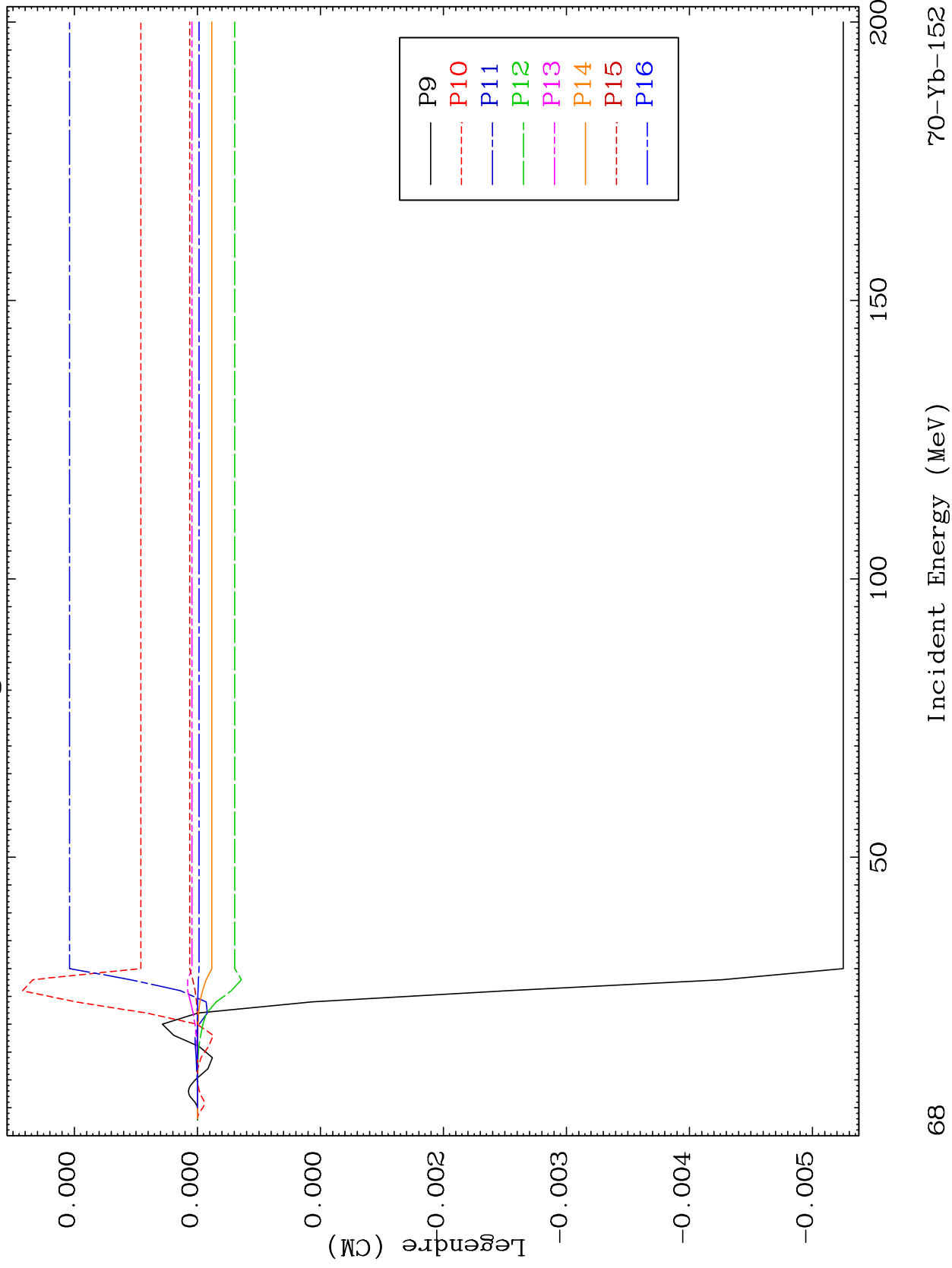




MAT 6977

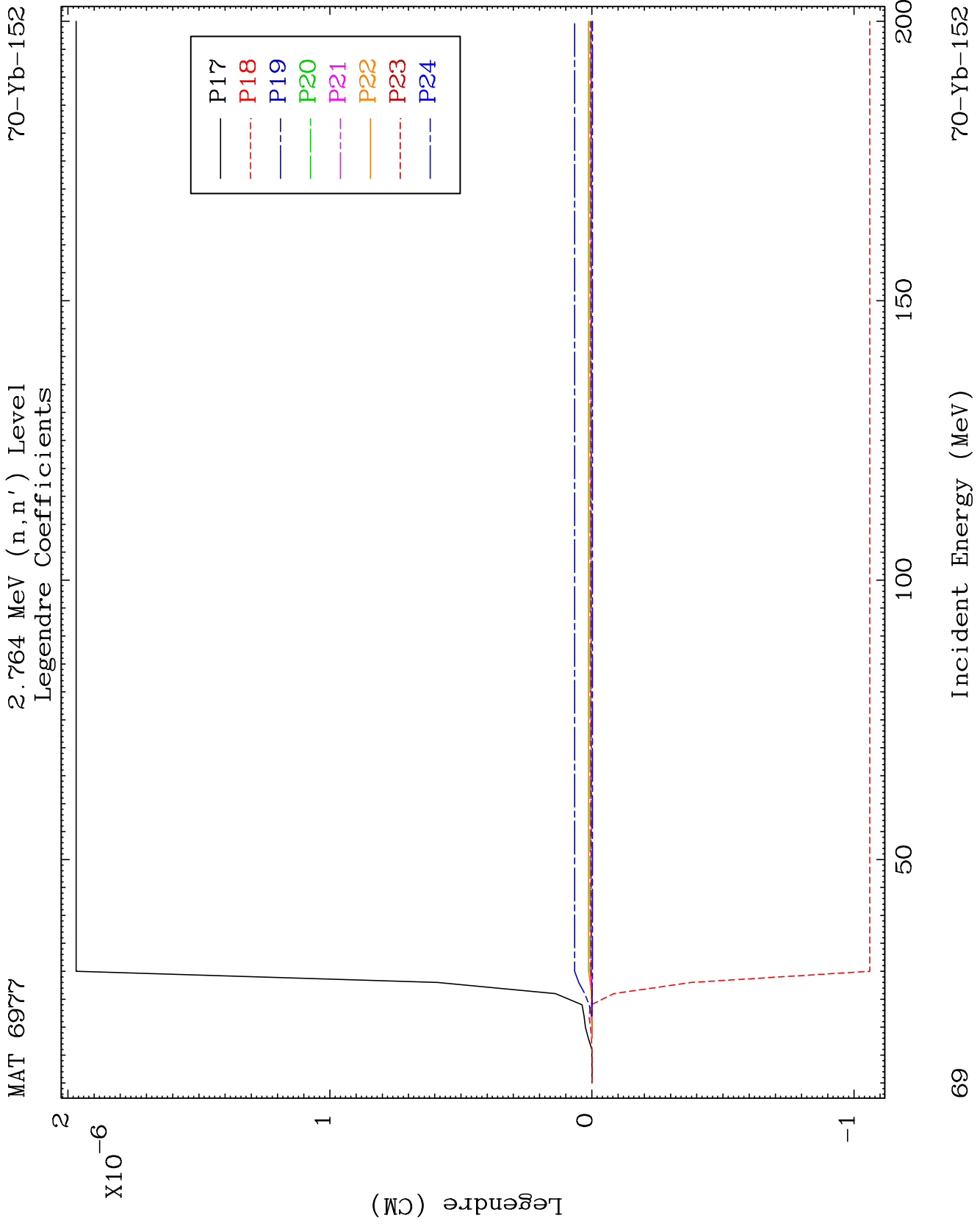
2.764 MeV (n,n') Level
Legendre Coefficients

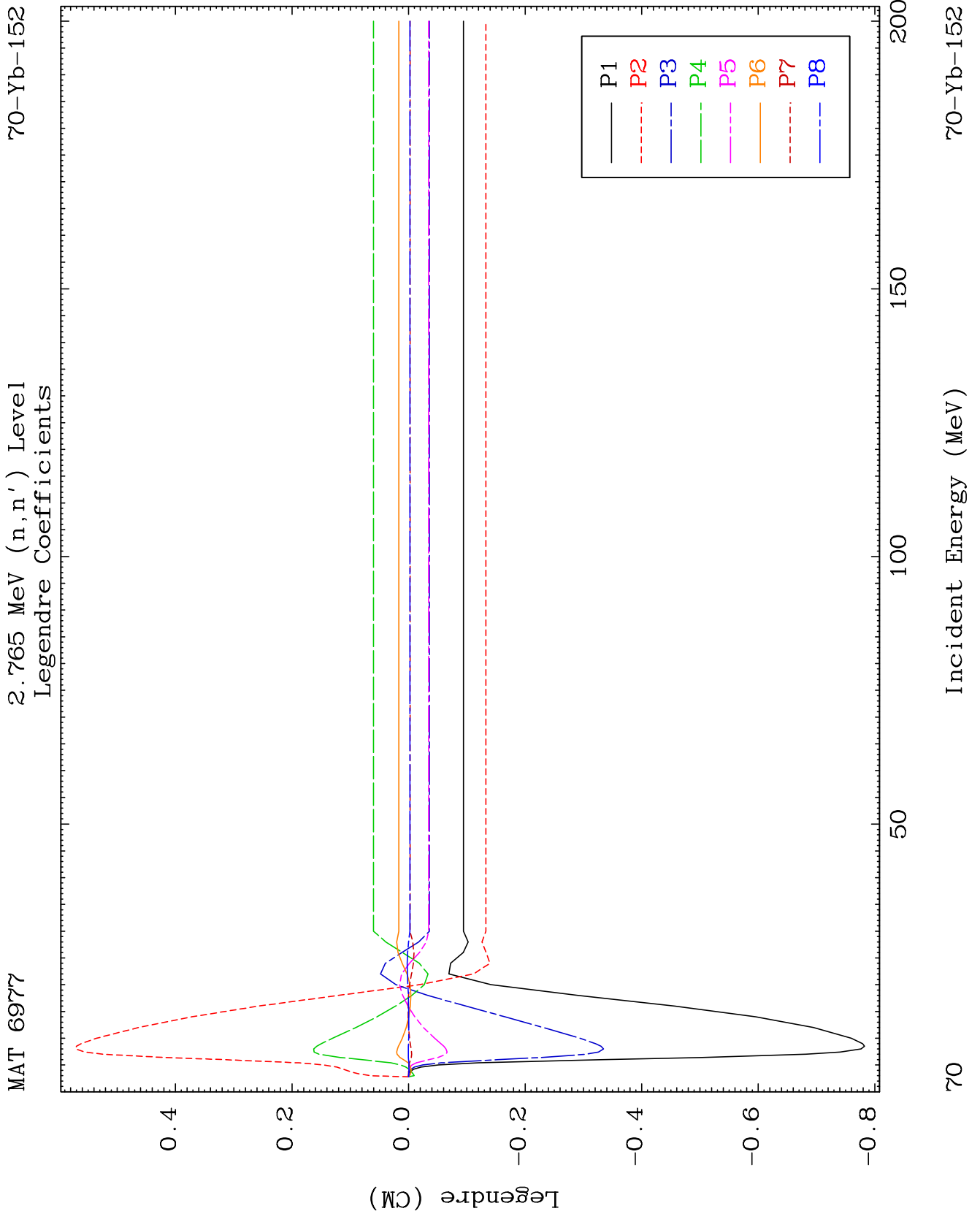
70-Yb-152



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70-Yb-152

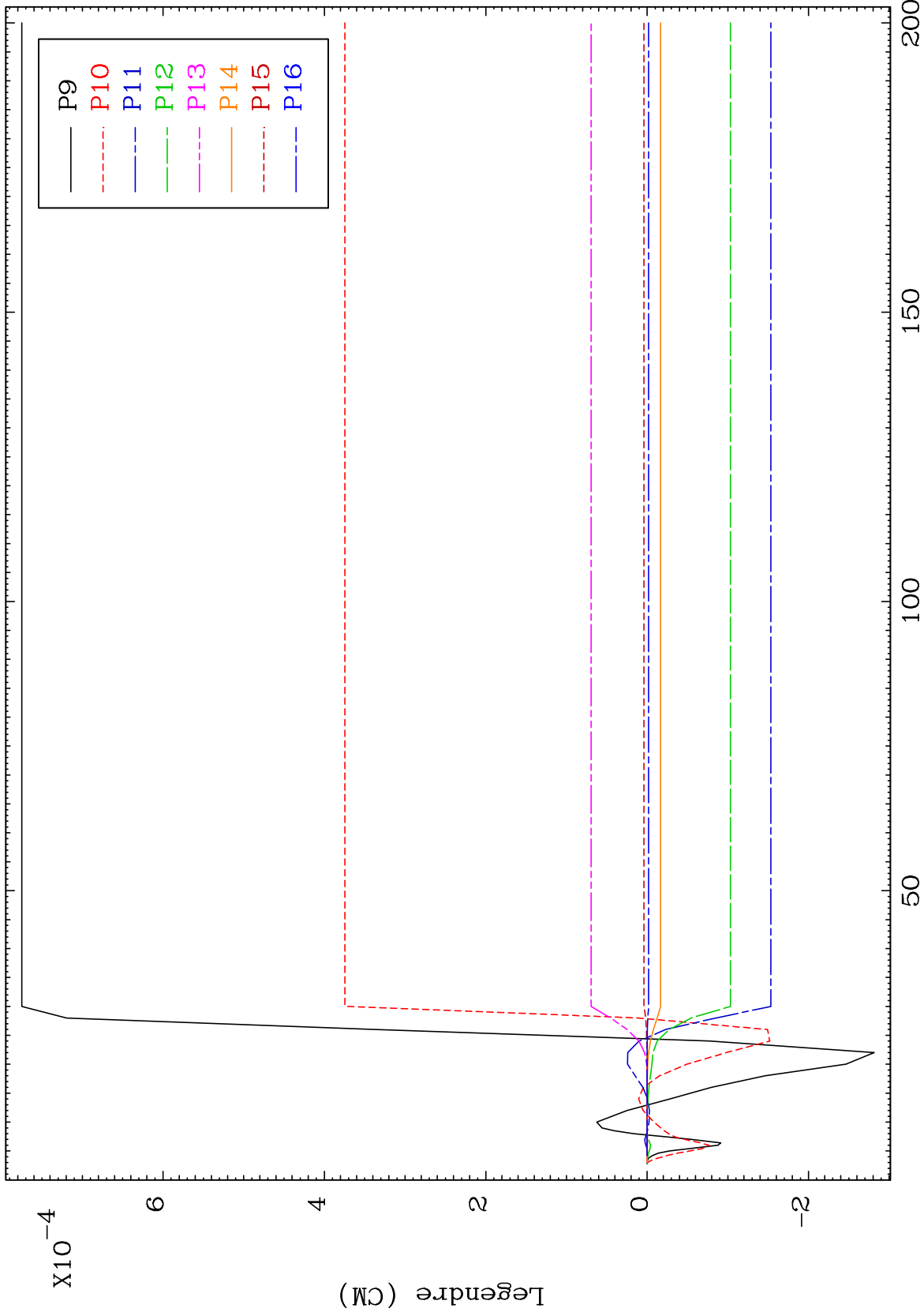




MAT 6977

2.765 MeV (n, n') Level
Legendre Coefficients

70-Yb-152



71

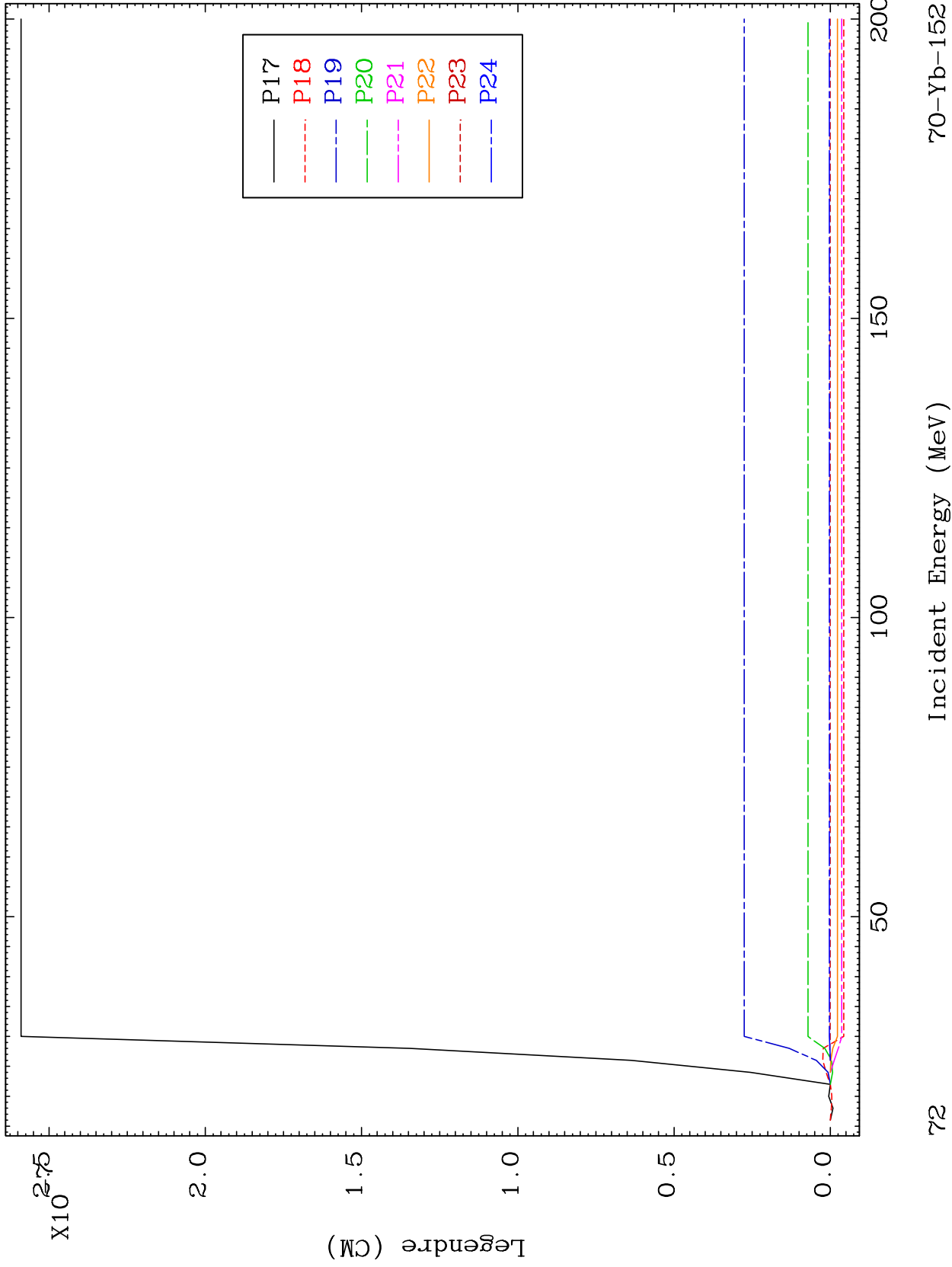
Incident Energy (MeV)

70-Yb-152

MAT 6977

2.765 MeV (n, n') Level
Legendre Coefficients

70-Yb-152



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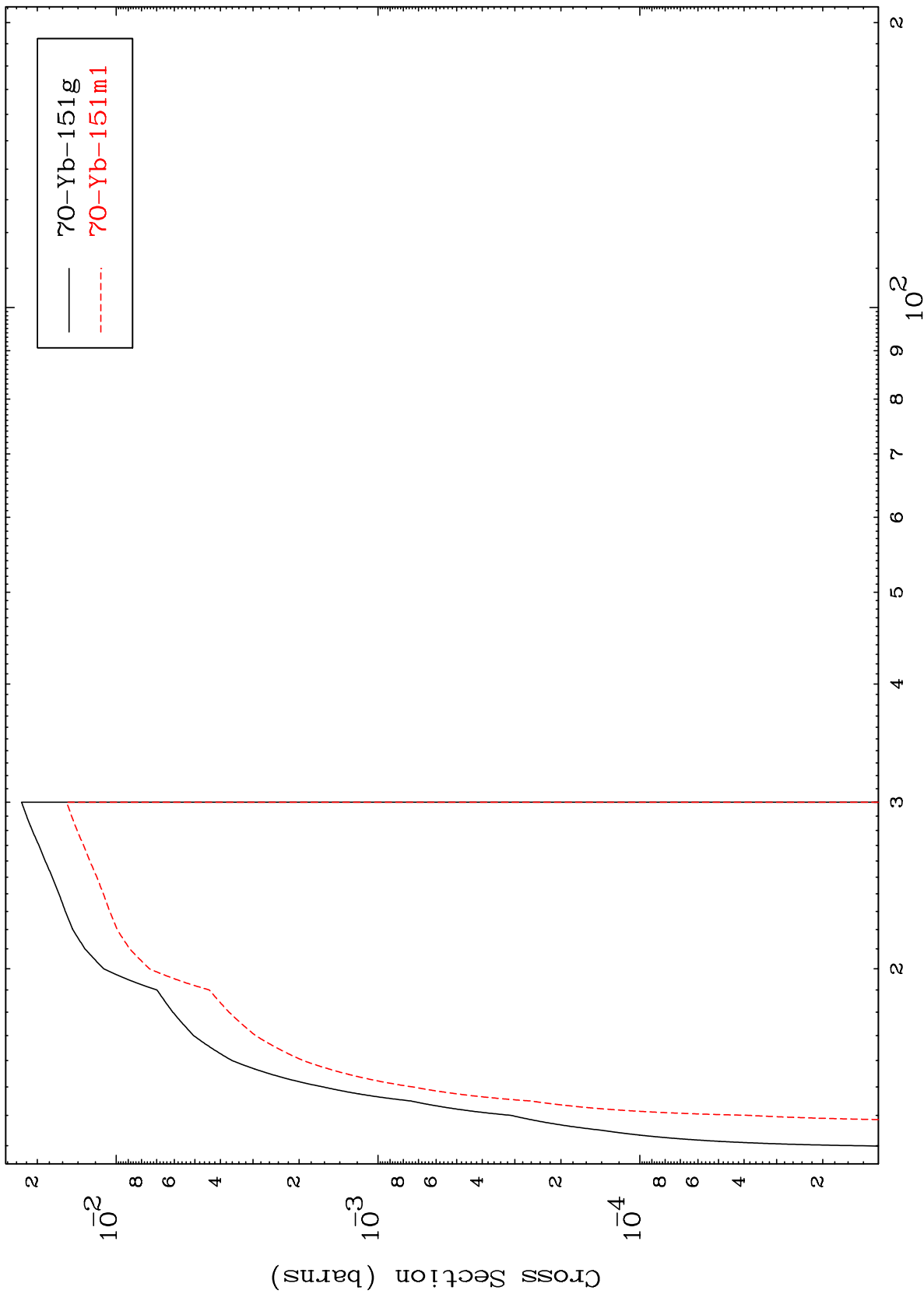
Incident Energy (MeV)

70-Yb-152

MAT 6977

70-Yb-152

(n,2n)
Radionuclide Production Cross Section



73

Incident Energy (MeV)

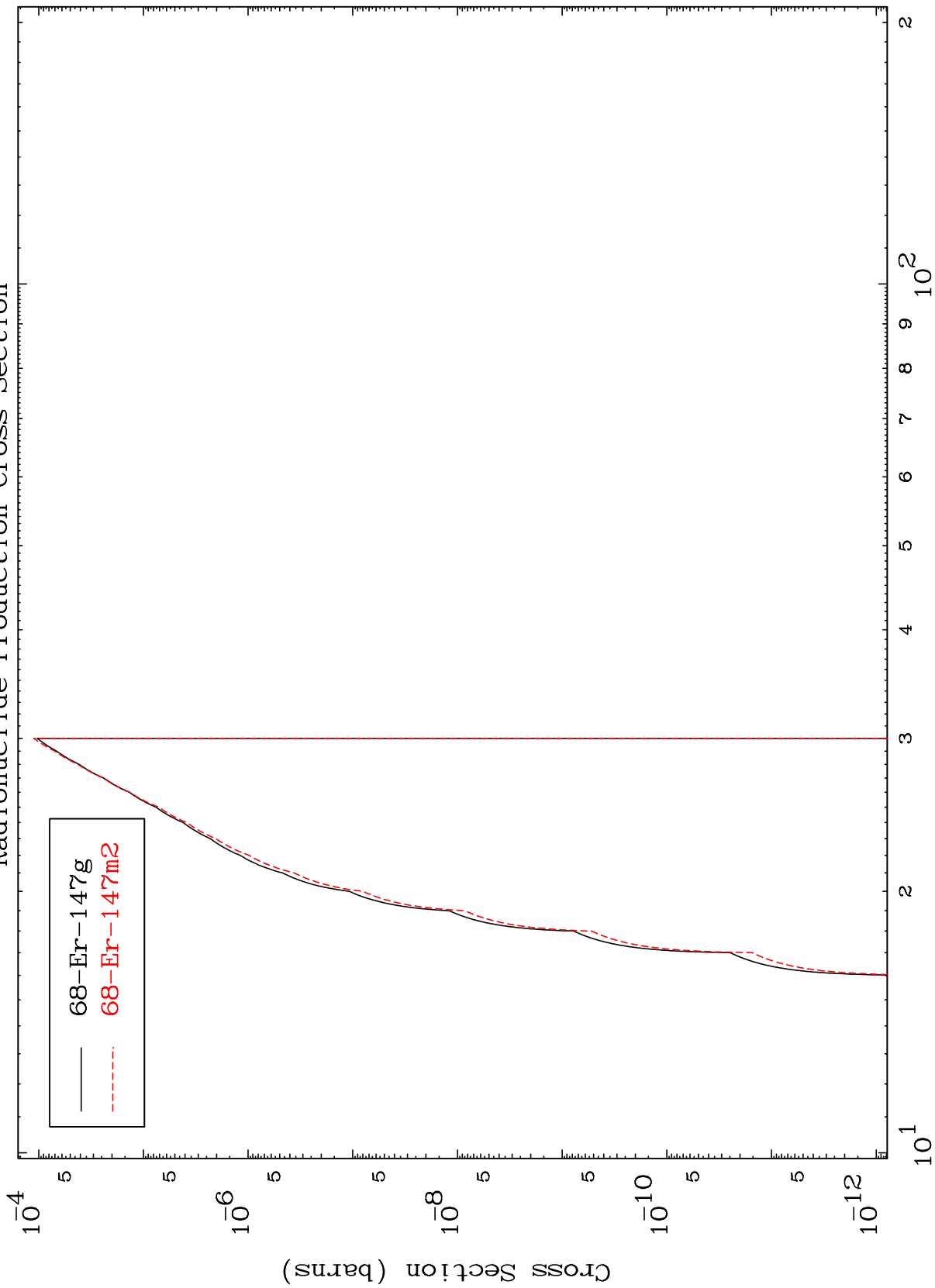
70-Yb-152

MAT 6977

(n,2n) α

70-Yb-152

Radionuclide Production Cross Section



74

Incident Energy (MeV)

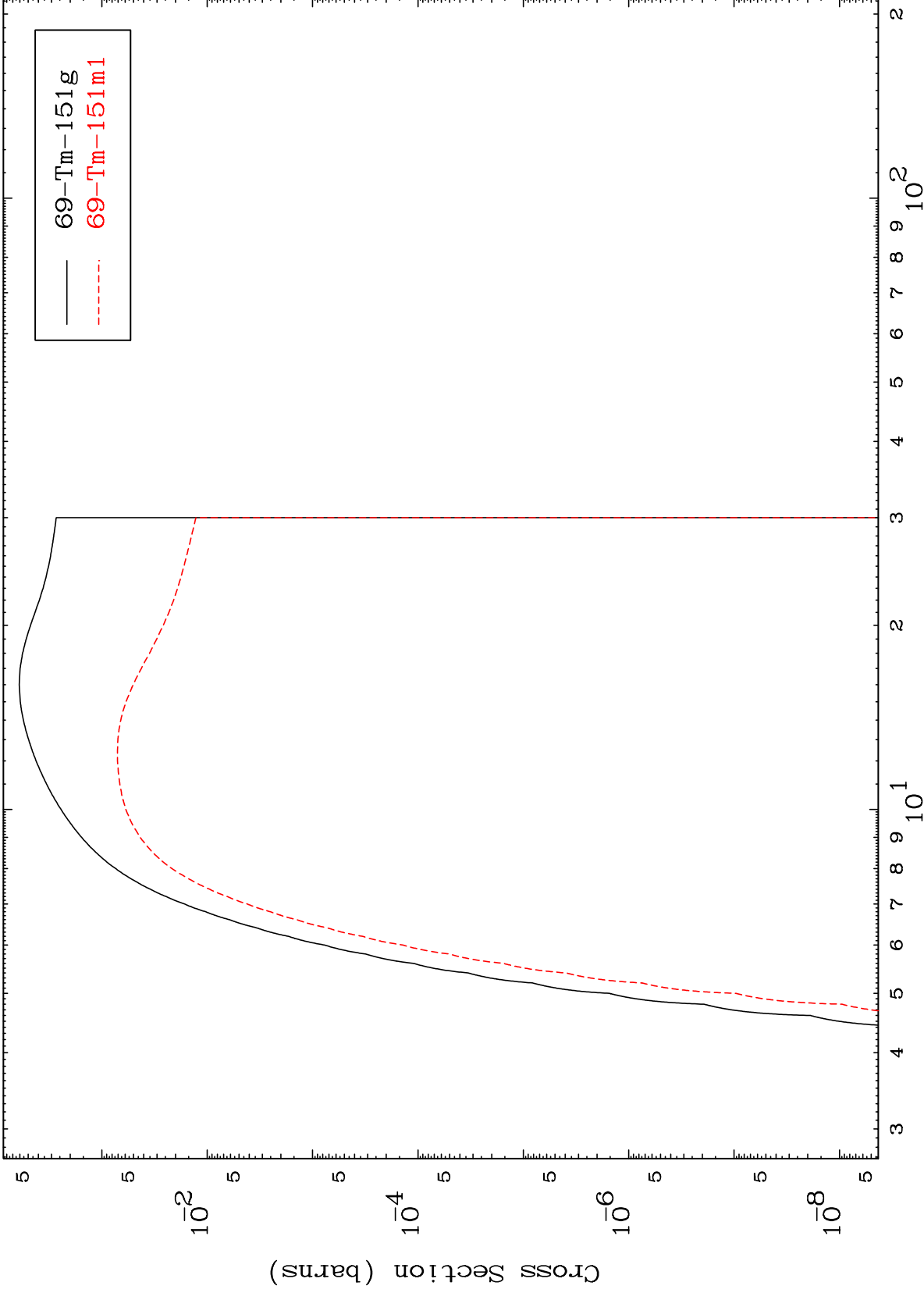
70-Yb-152

MAT 6977

(n,n') p

70-Yb-152

Radionuclide Production Cross Section



75

Incident Energy (MeV)

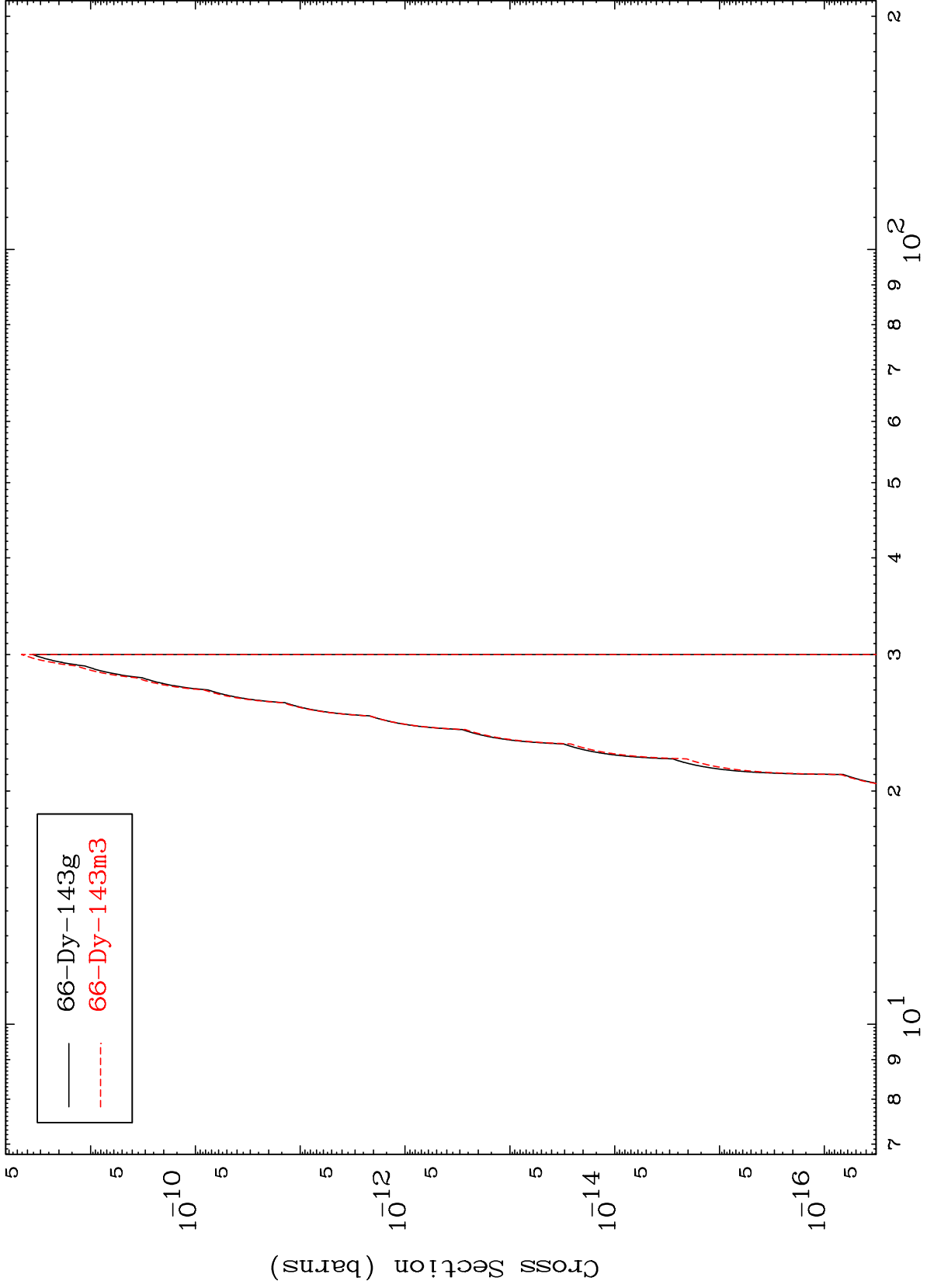
70-Yb-152

MAT 6977

(n,2n) 2α

70-Yb-152

Radionuclide Production Cross Section



76

Incident Energy (MeV)

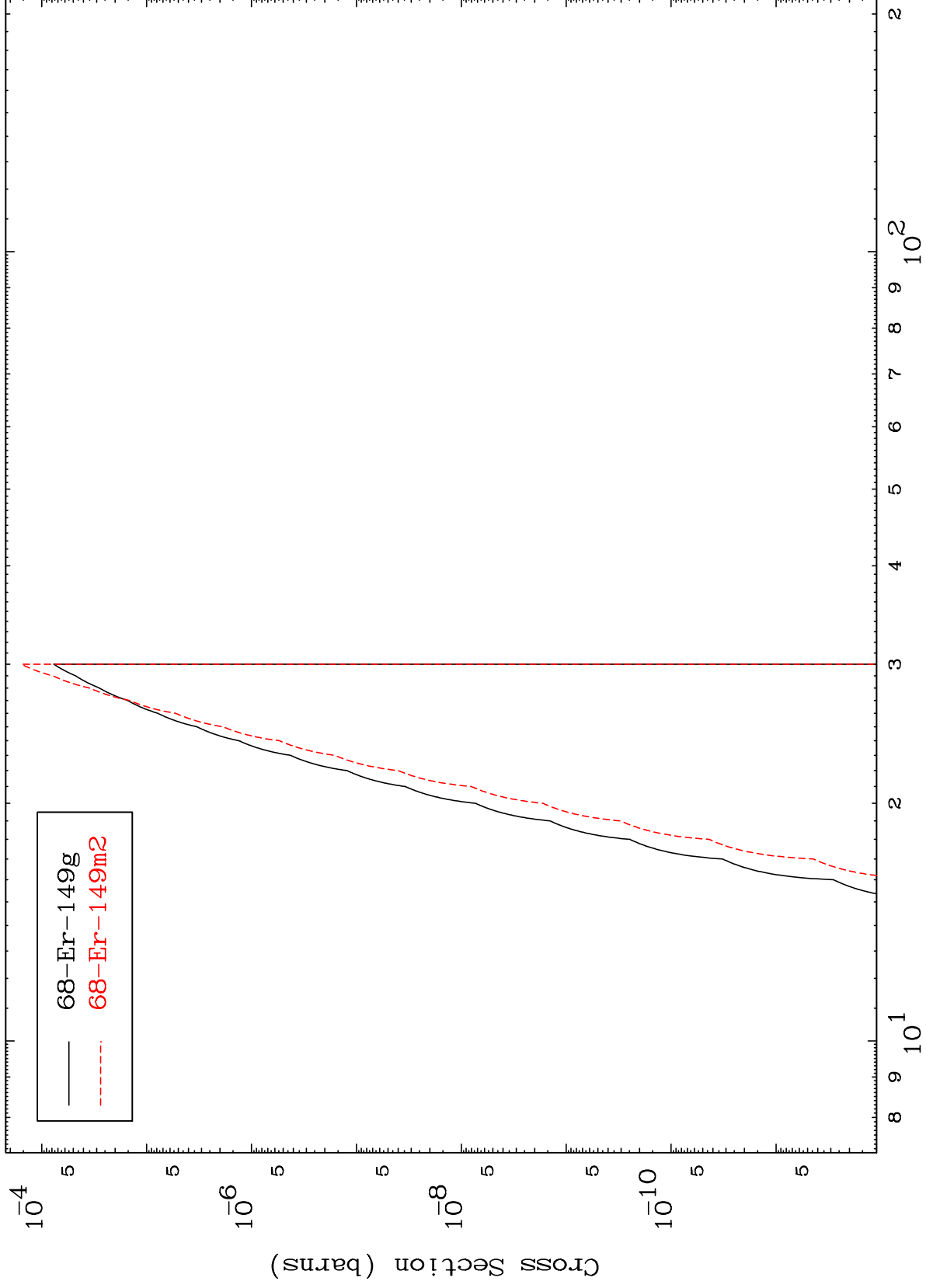
70-Yb-152

MAT 6977

(n,n') He-3

70-Yb-152

Radionuclide Production Cross Section



77

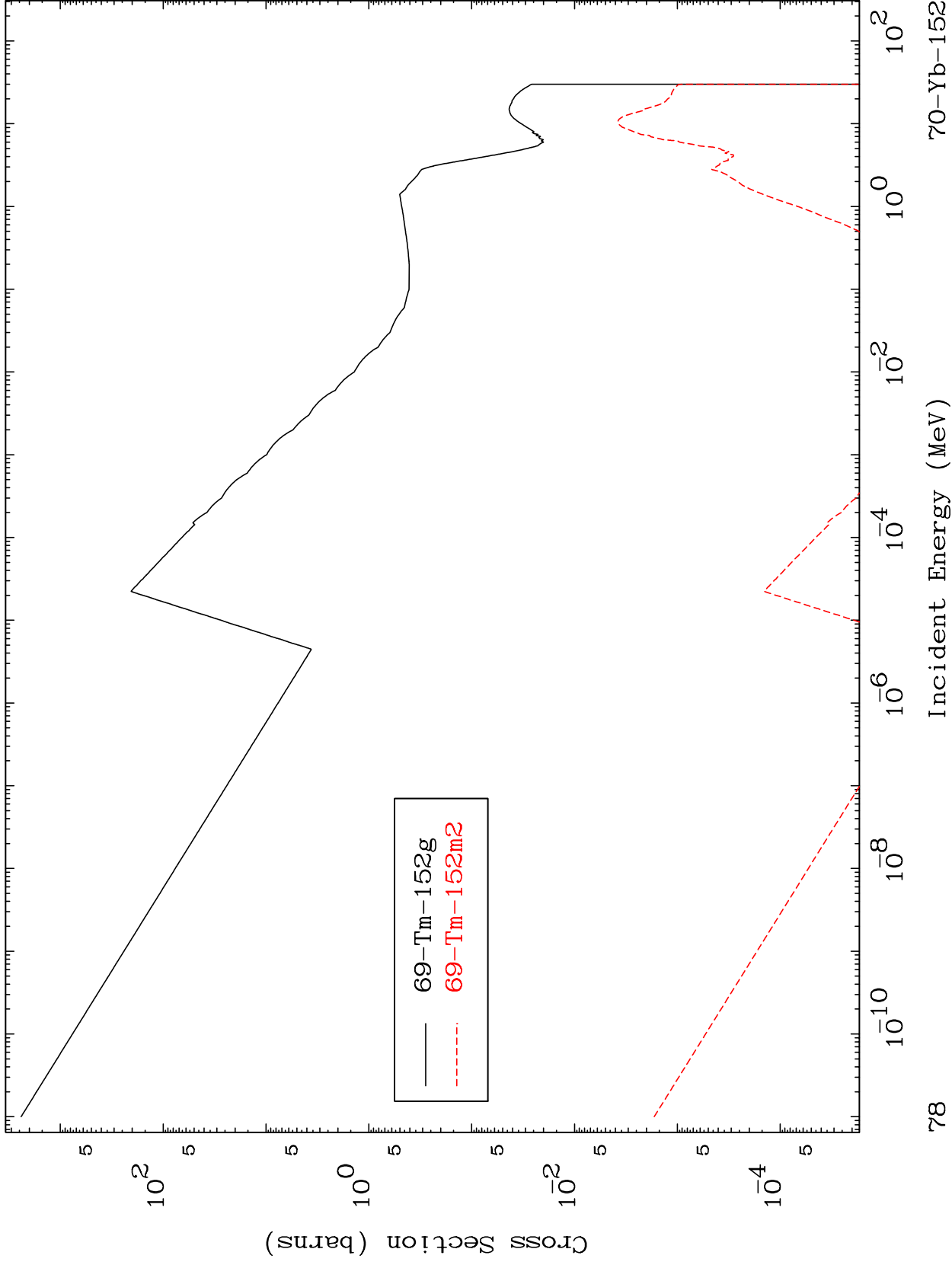
Incident Energy (MeV)

70-Yb-152

MAT 6977

70-Yb-152

Radionuclide Production Cross Section (n,p)

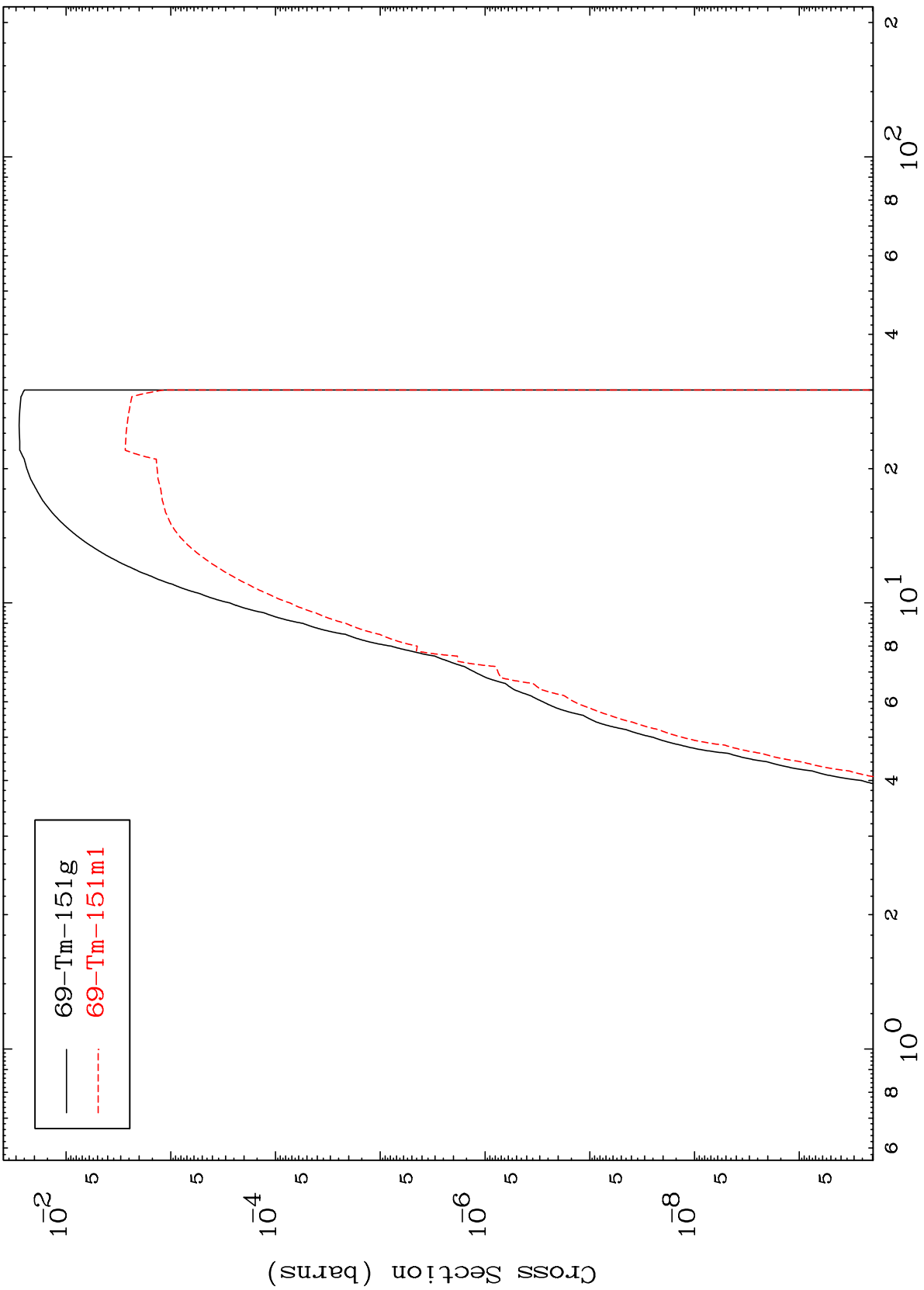
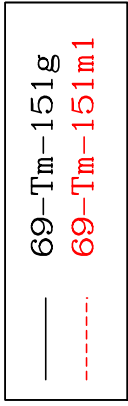


MAT 6977

(n,d)

70-Yb-152

Radionuclide Production Cross Section



79

Incident Energy (MeV)

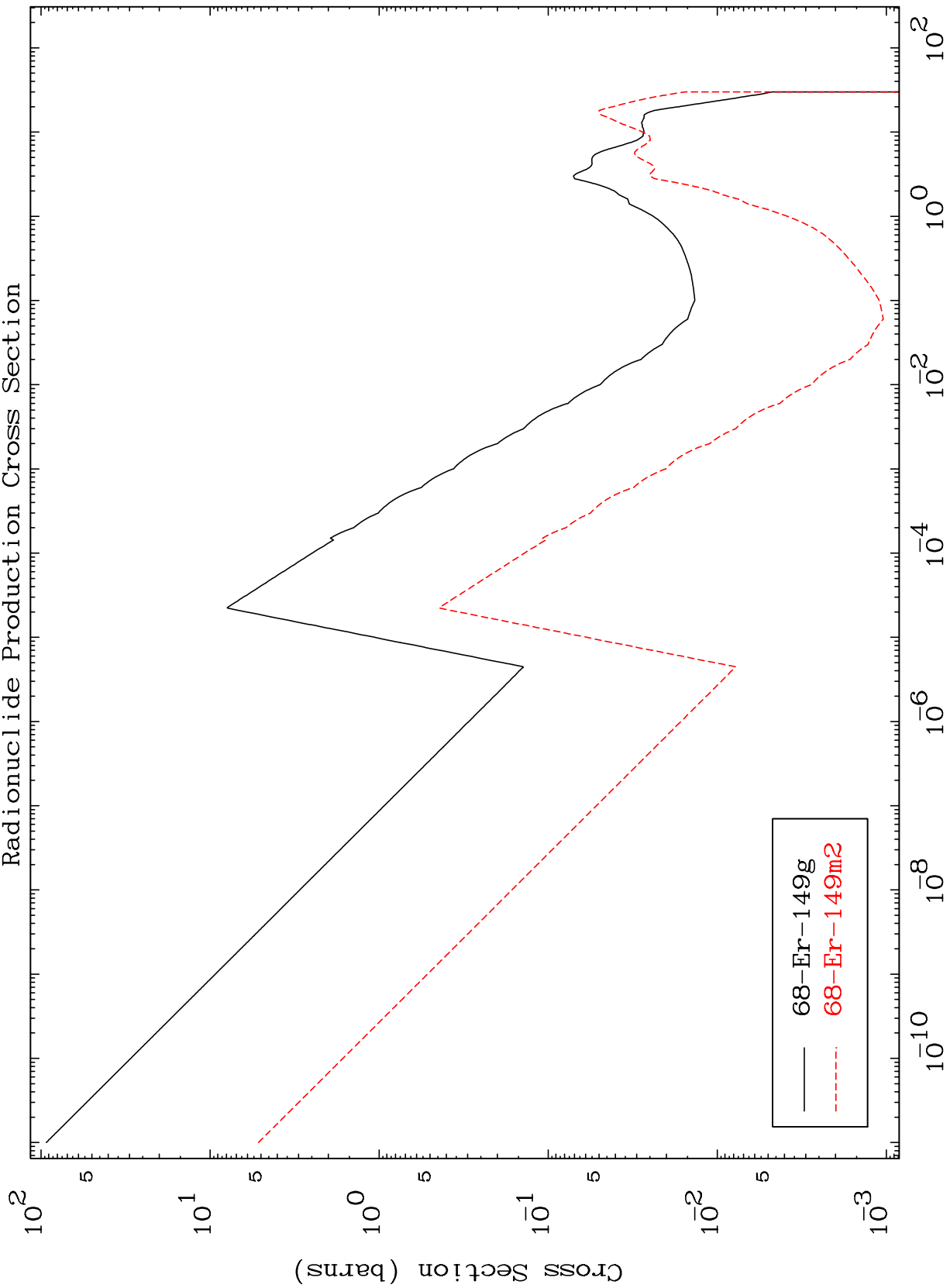
70-Yb-152

MAT 69777

70-Yb-152

Radionuclide Production Cross Section

(n, α)



80

Incident Energy (MeV)

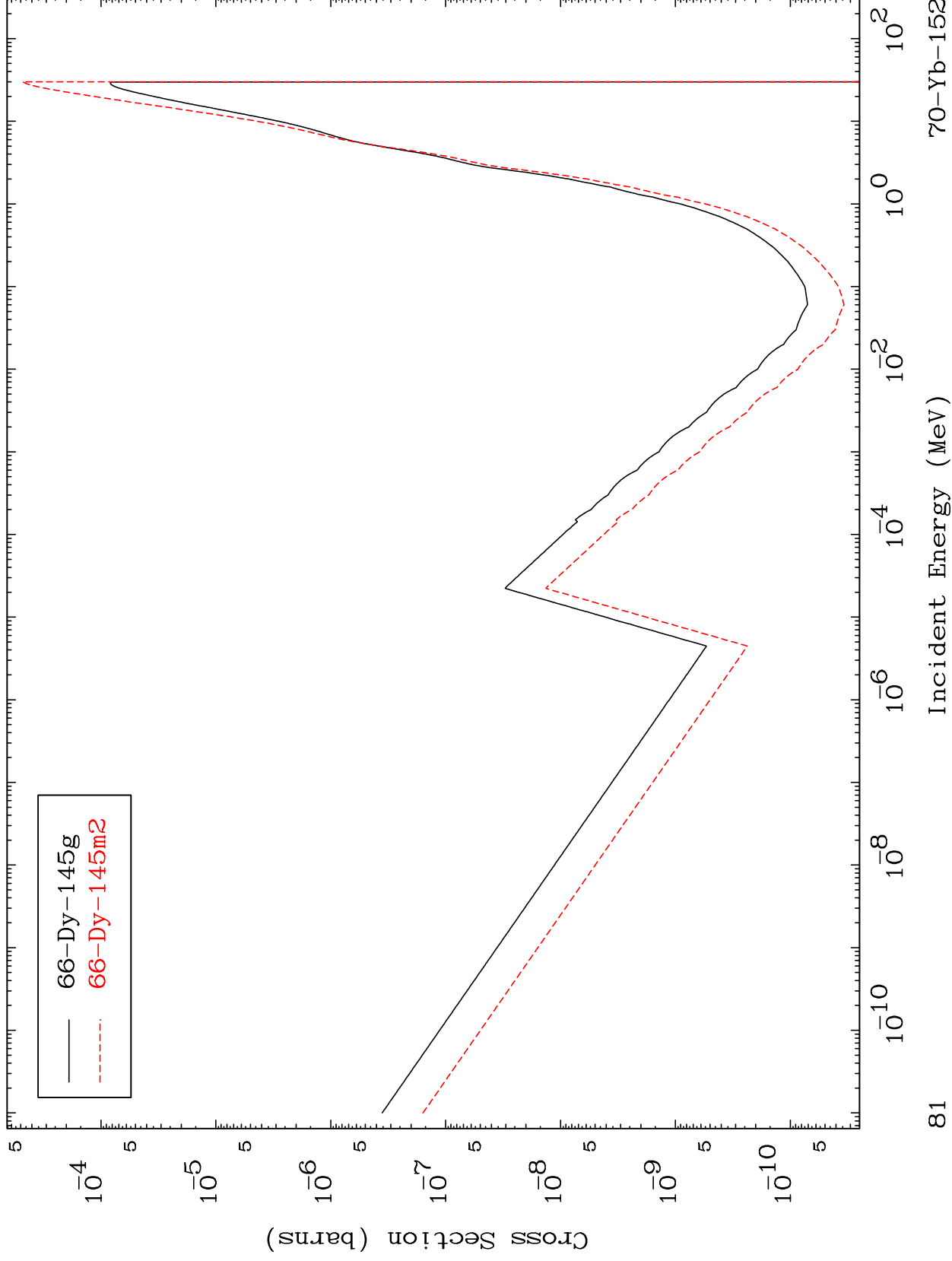
70-Yb-152

MAT 6977

(n,2α)

70-Yb-152

Radionuclide Production Cross Section

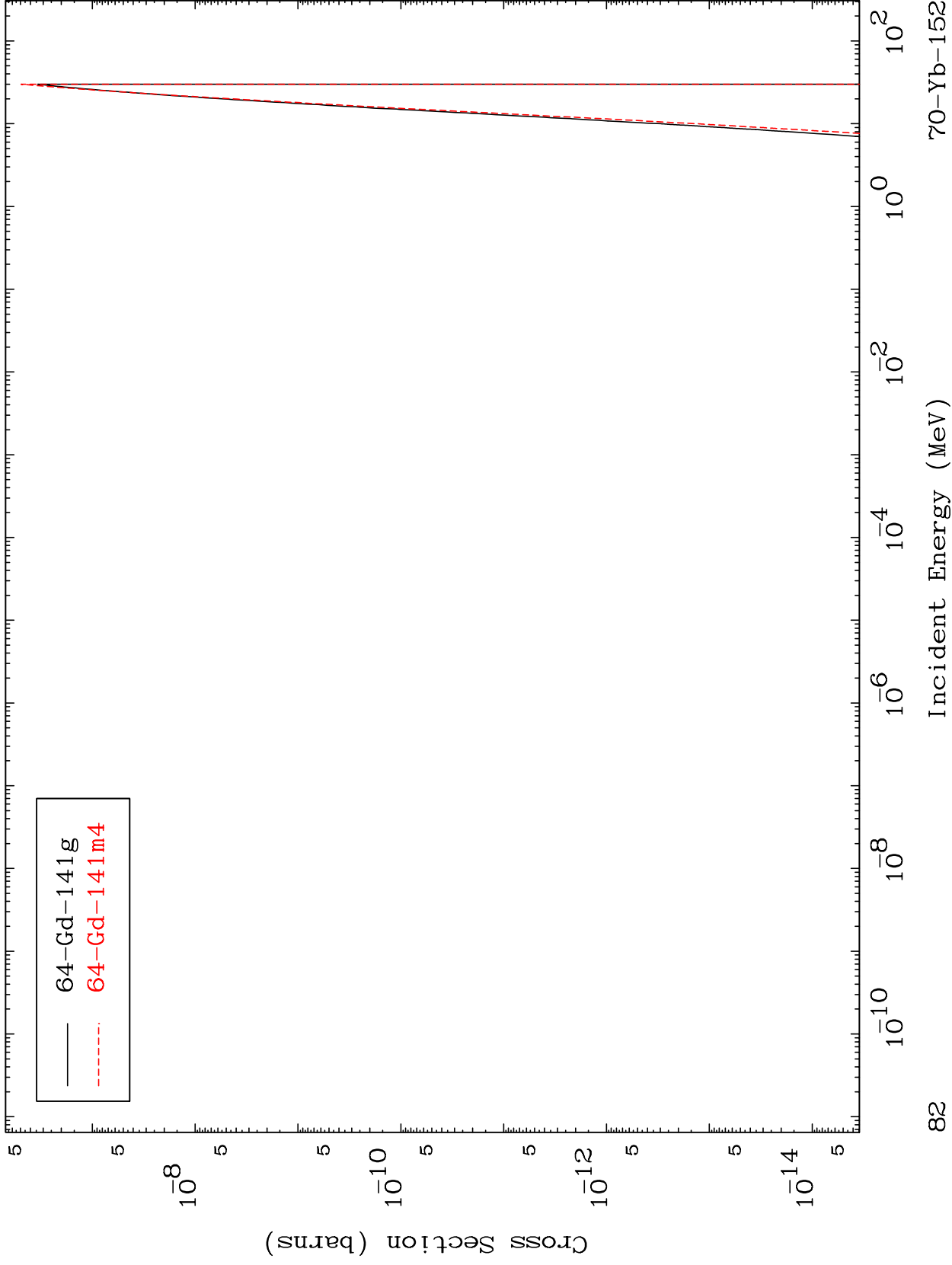


MAT 6977

(n, 3α)

70-Yb-152

Radionuclide Production Cross Section



82

Incident Energy (MeV)

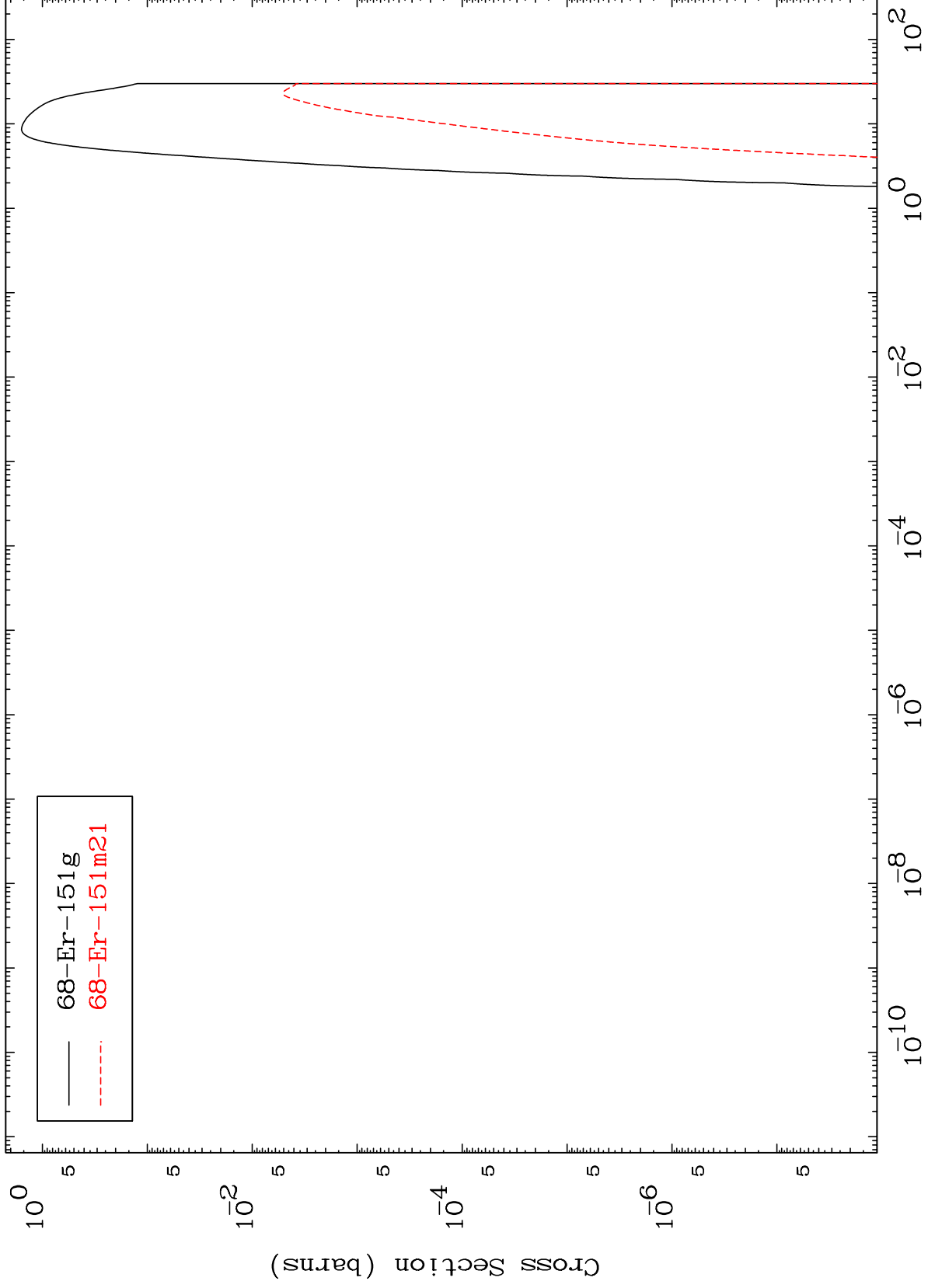
70-Yb-152

MAT 6977

(n,2p)

70-Yb-152

Radionuclide Production Cross Section



83

Incident Energy (MeV)

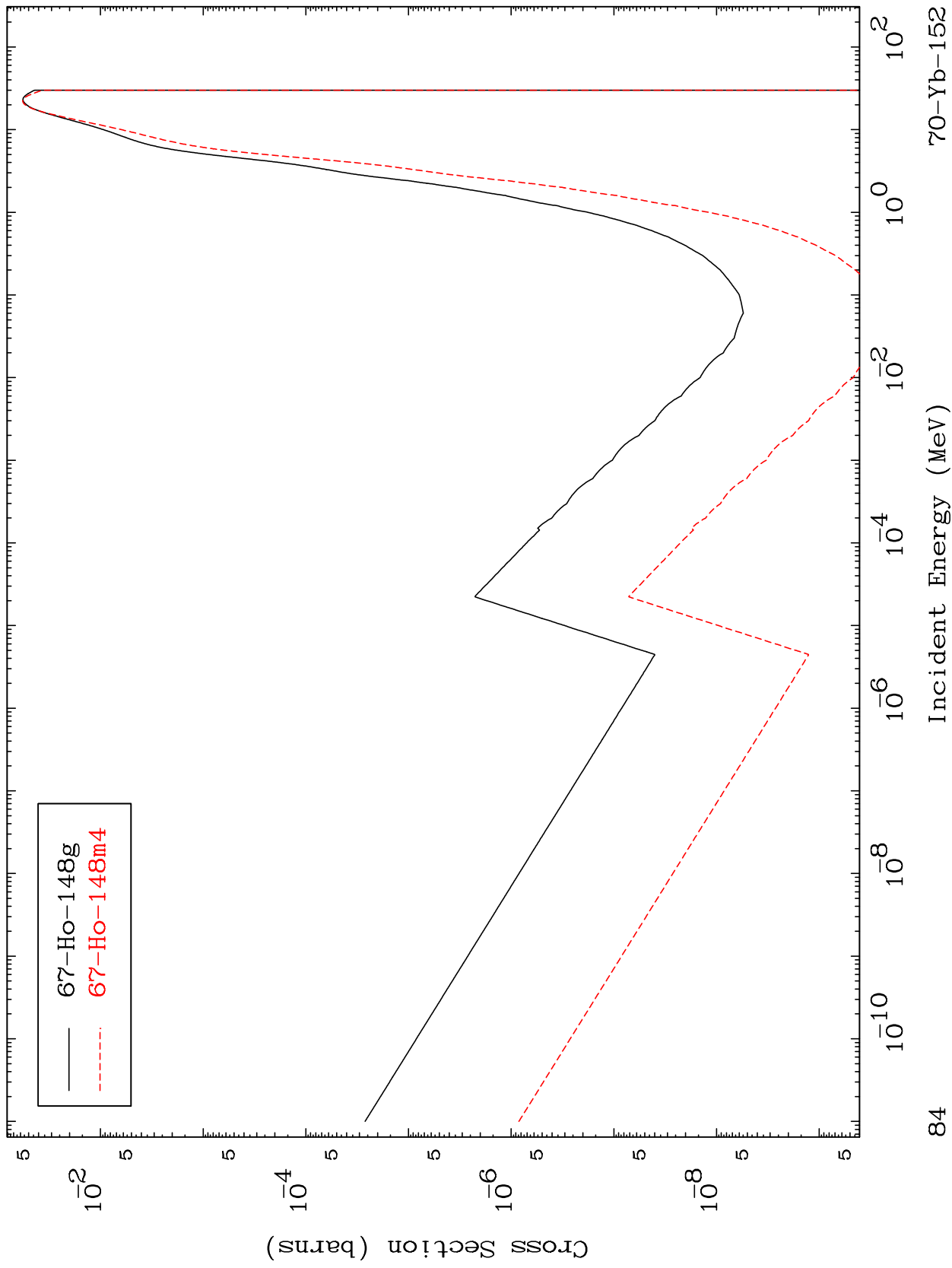
70-Yb-152

MAT 6977

(n,p) α

70-Yb-152

Radionuclide Production Cross Section

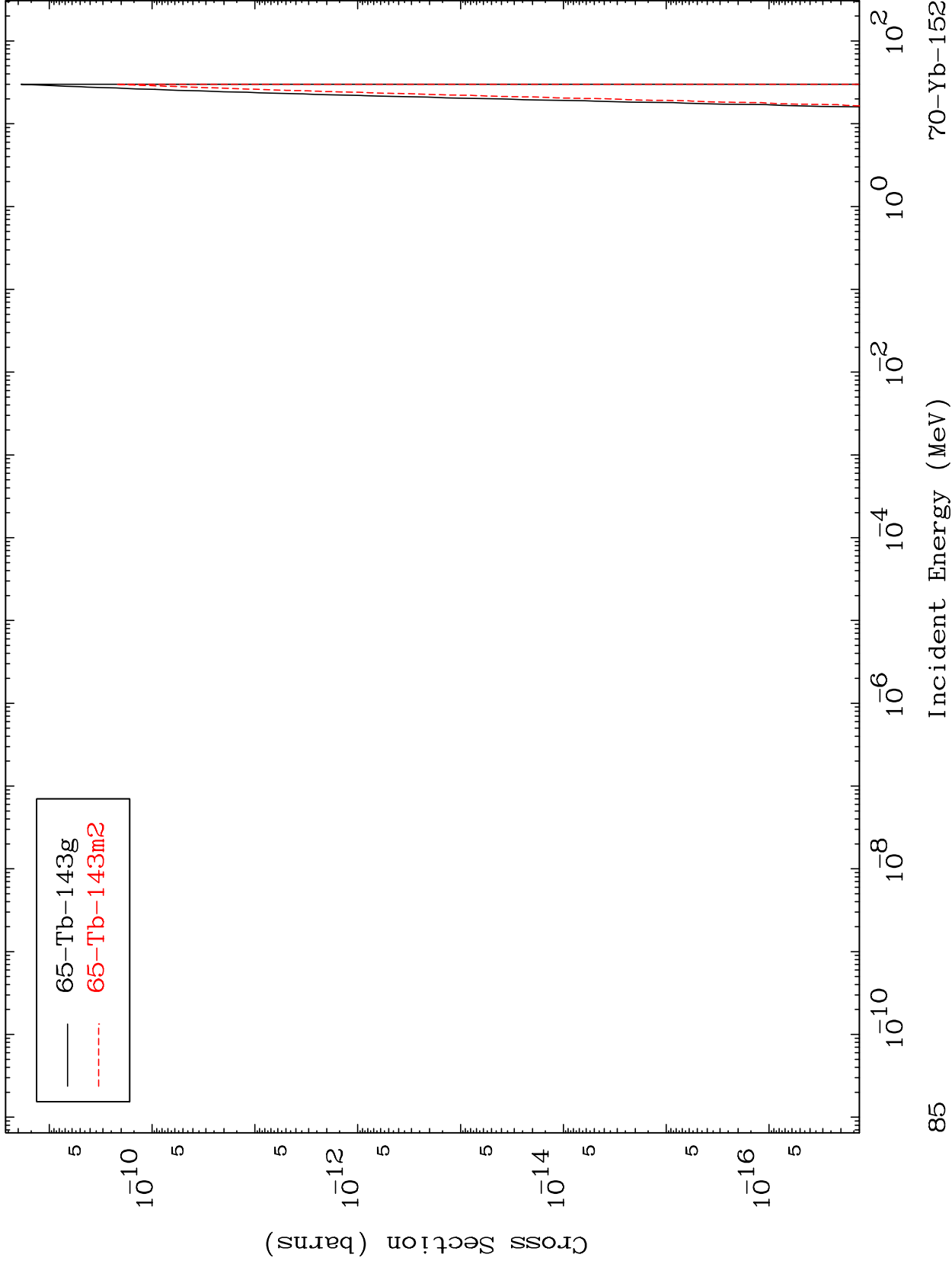


MAT 6977

(n,d) 2 α

70-Yb-152

Radionuclide Production Cross Section

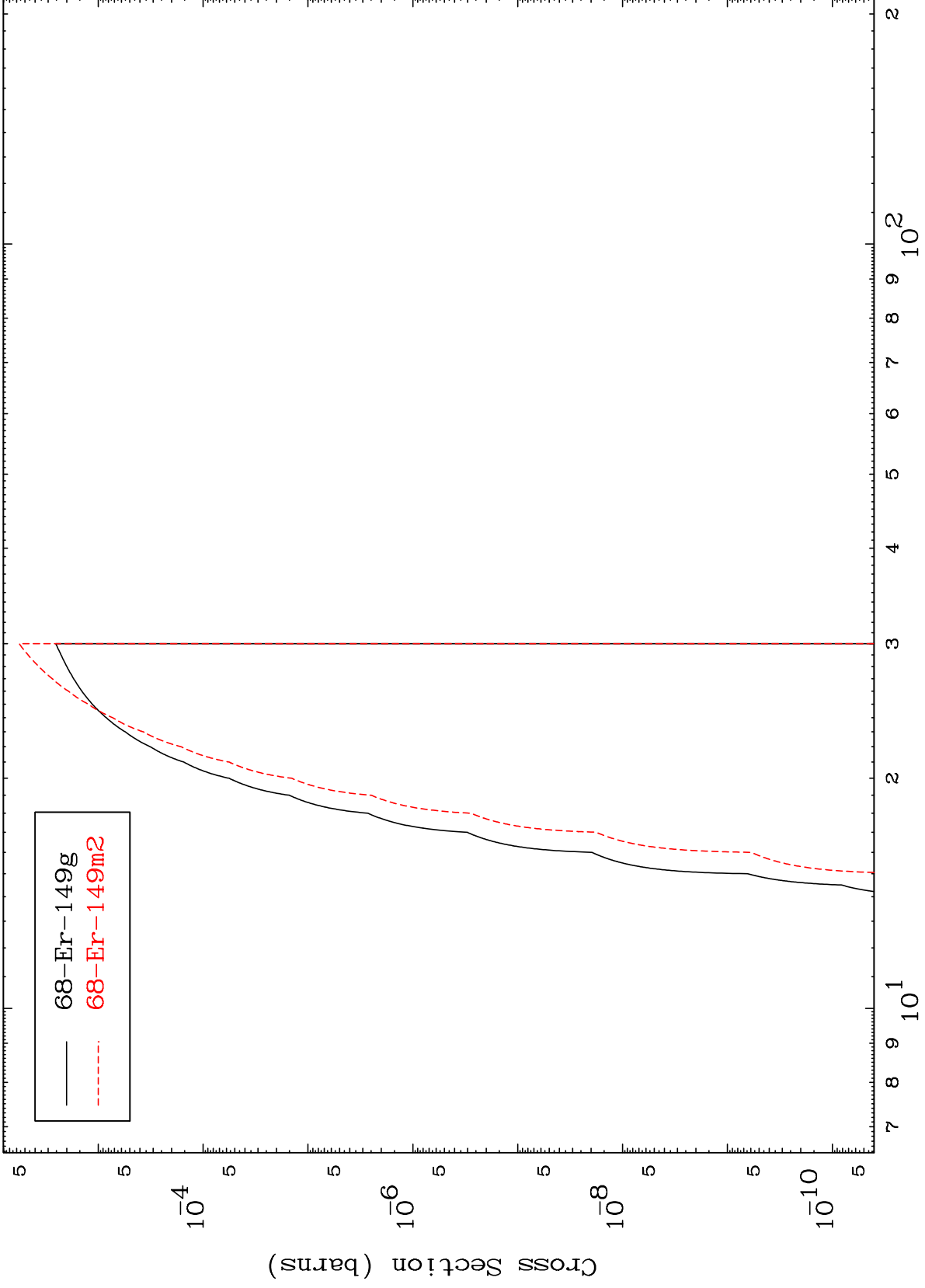


MAT 6977

(n,p) t

70-Yb-152

Radionuclide Production Cross Section



86

Incident Energy (MeV)

70-Yb-152