

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

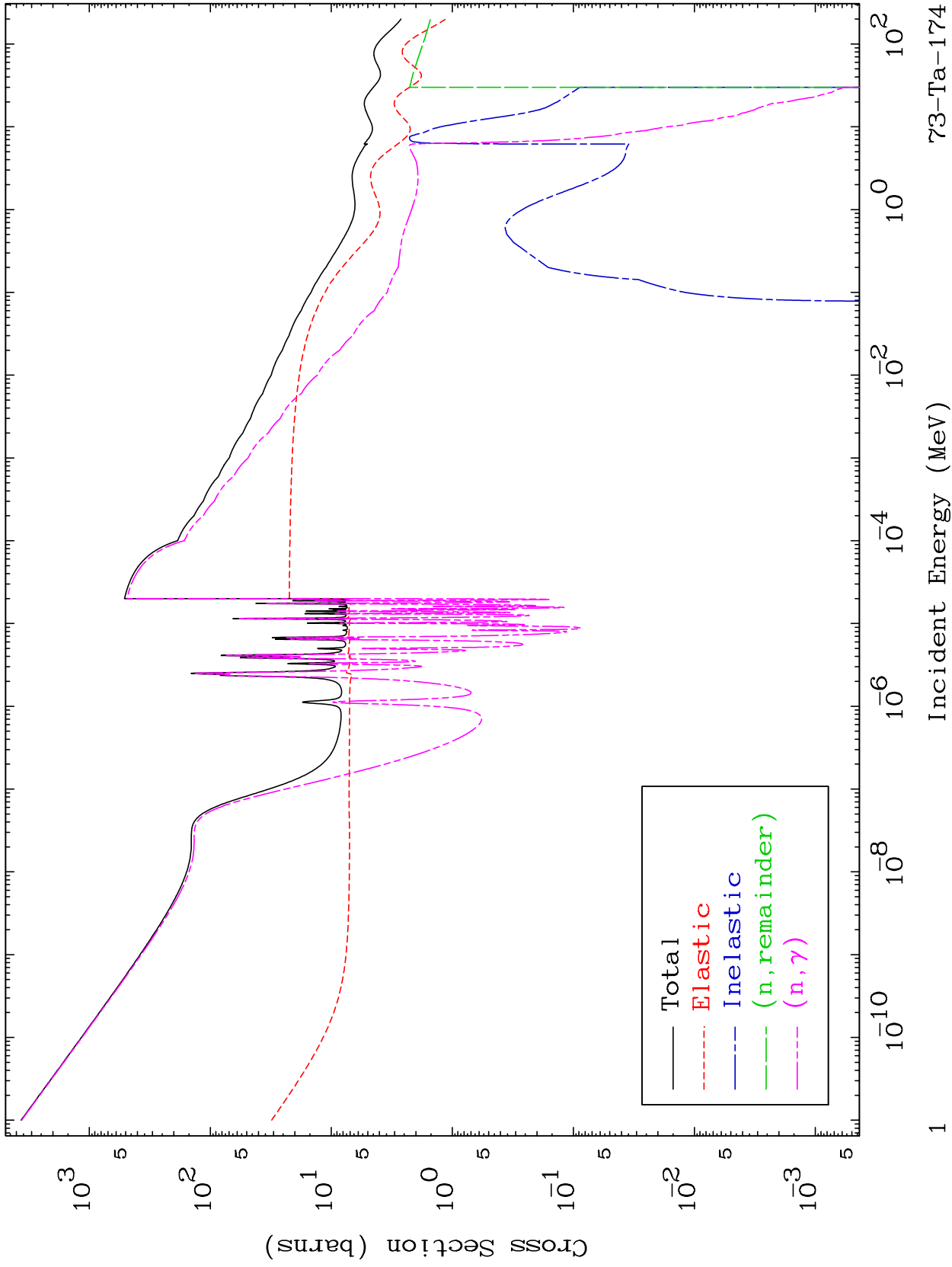
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7307

Major  
293 Kelvin Cross Sections

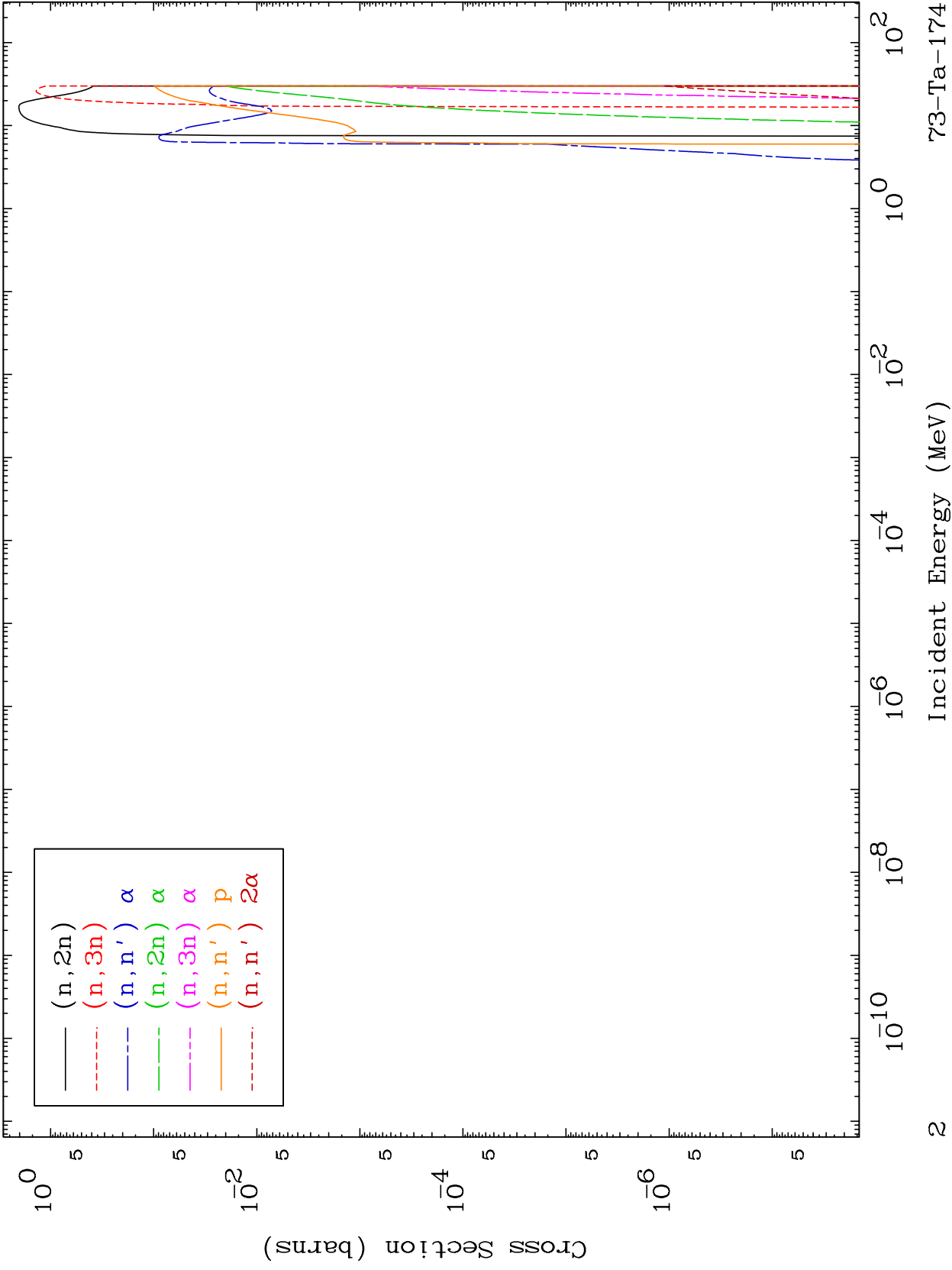
73-Ta-174



MAT 7307

Neutron Production  
293 Kelvin Cross Sections

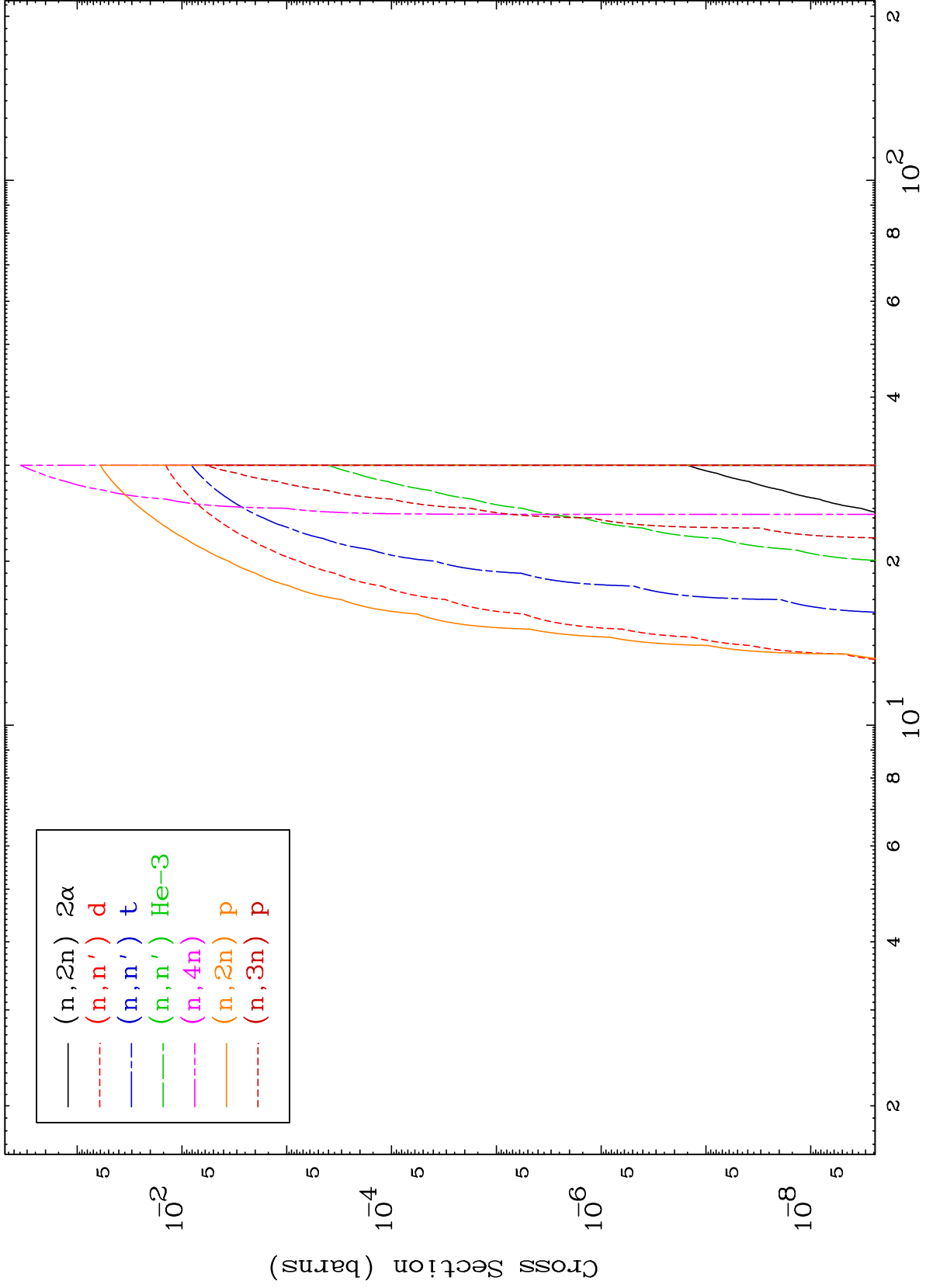
73-Ta-174



MAT 7307

Neutron Production  
293 Kelvin Cross Sections

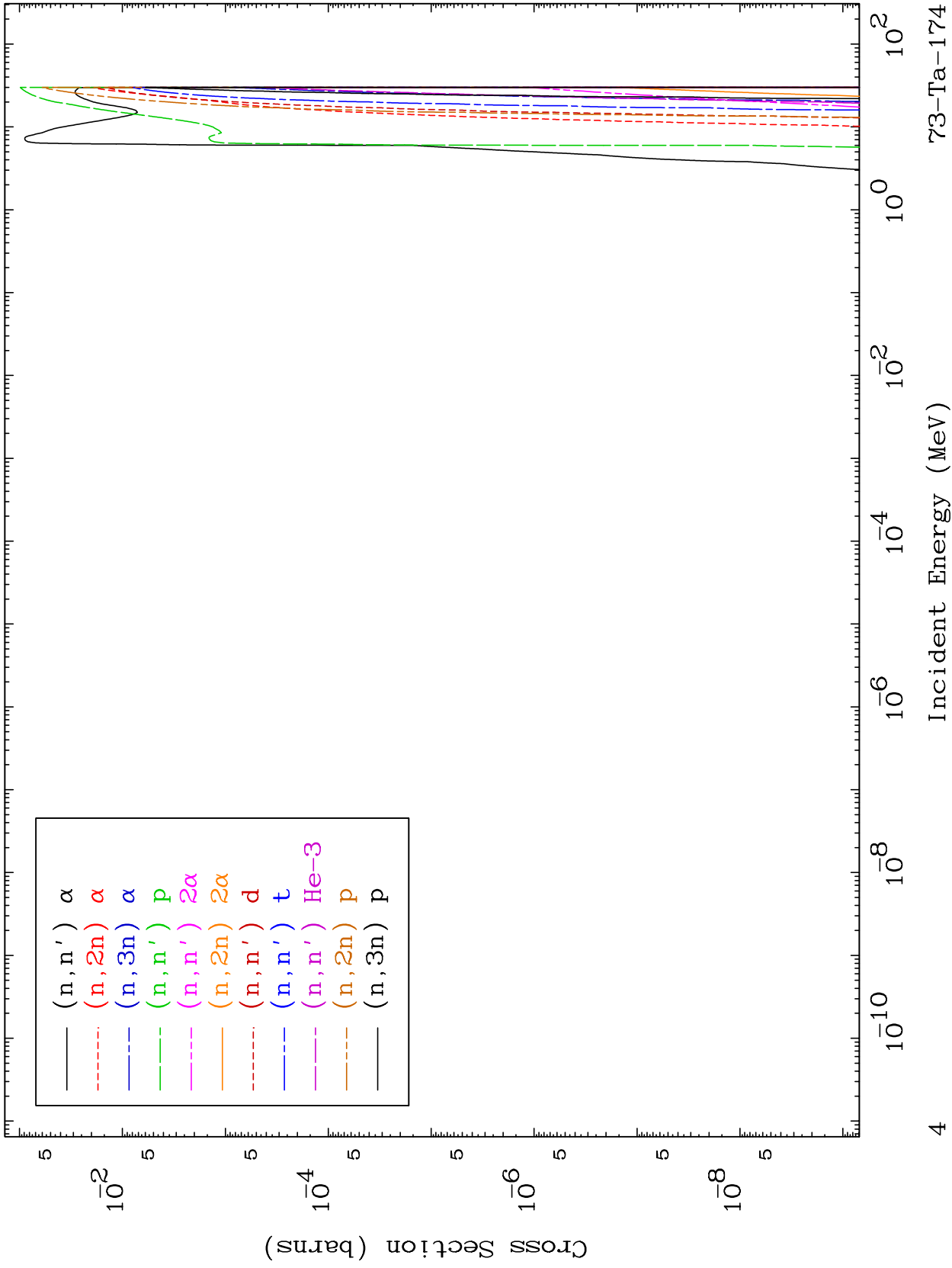
73-Ta-174



MAT 7307

Charged Particle  
293 Kelvin Cross Sections

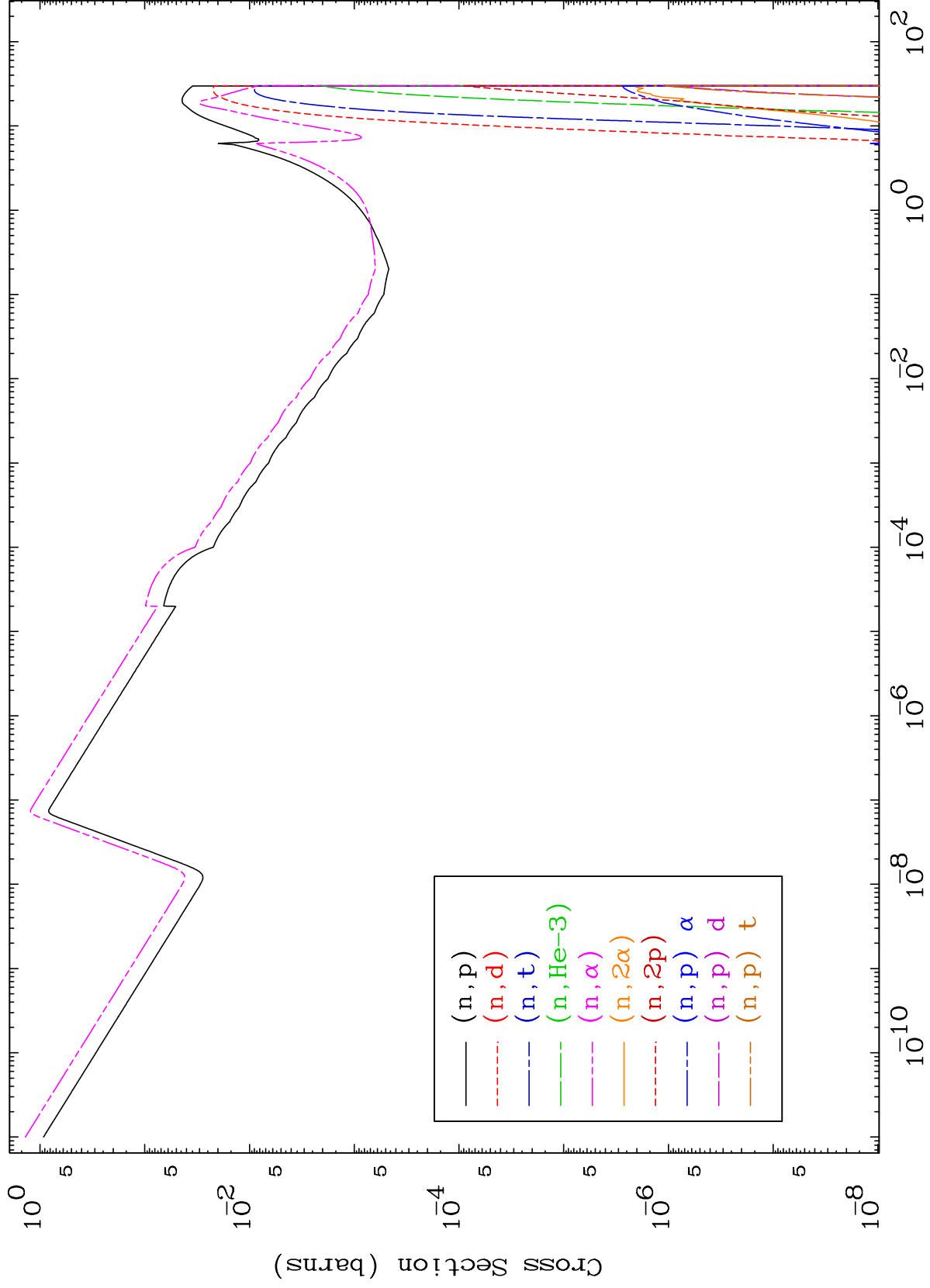
73-Ta-174



MAT 7307

Charged Particle  
293 Kelvin Cross Sections

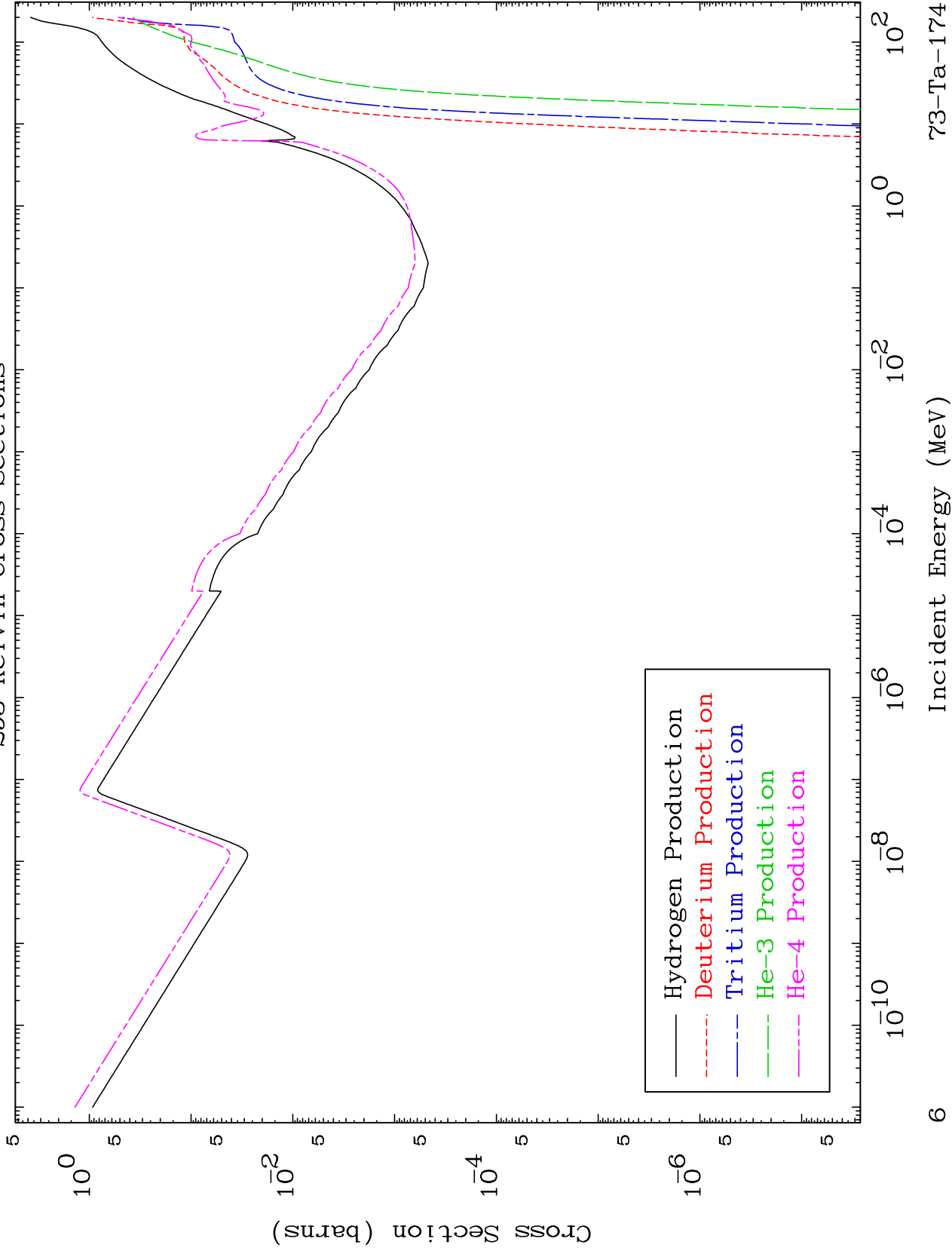
73-Ta-174



MAT 7307

Particle Production  
293 Kelvin Cross Sections

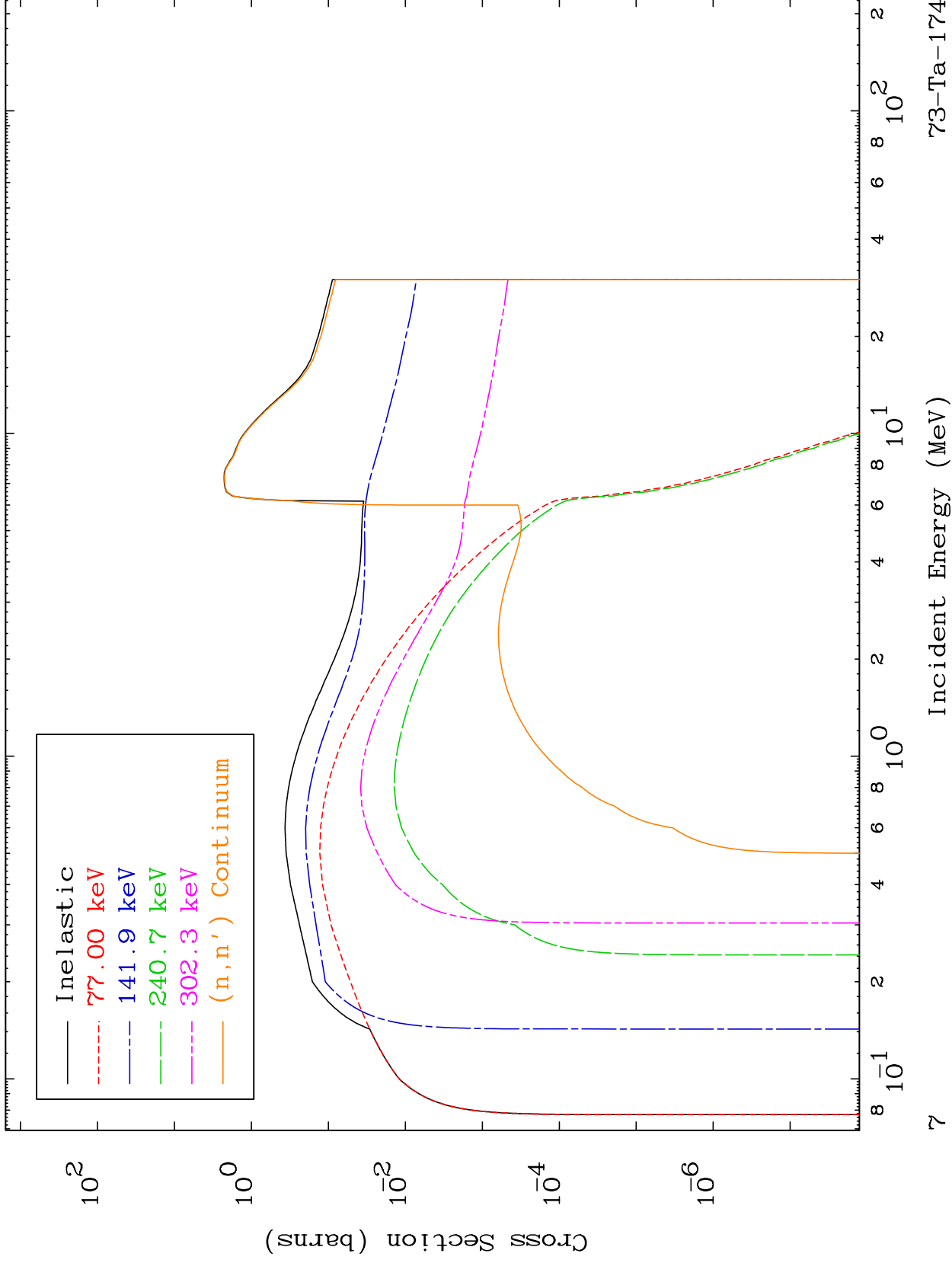
73-Ta-174



MAT 7307

(n,n') Level  
293 Kelvin Cross Sections

73-Ta-174

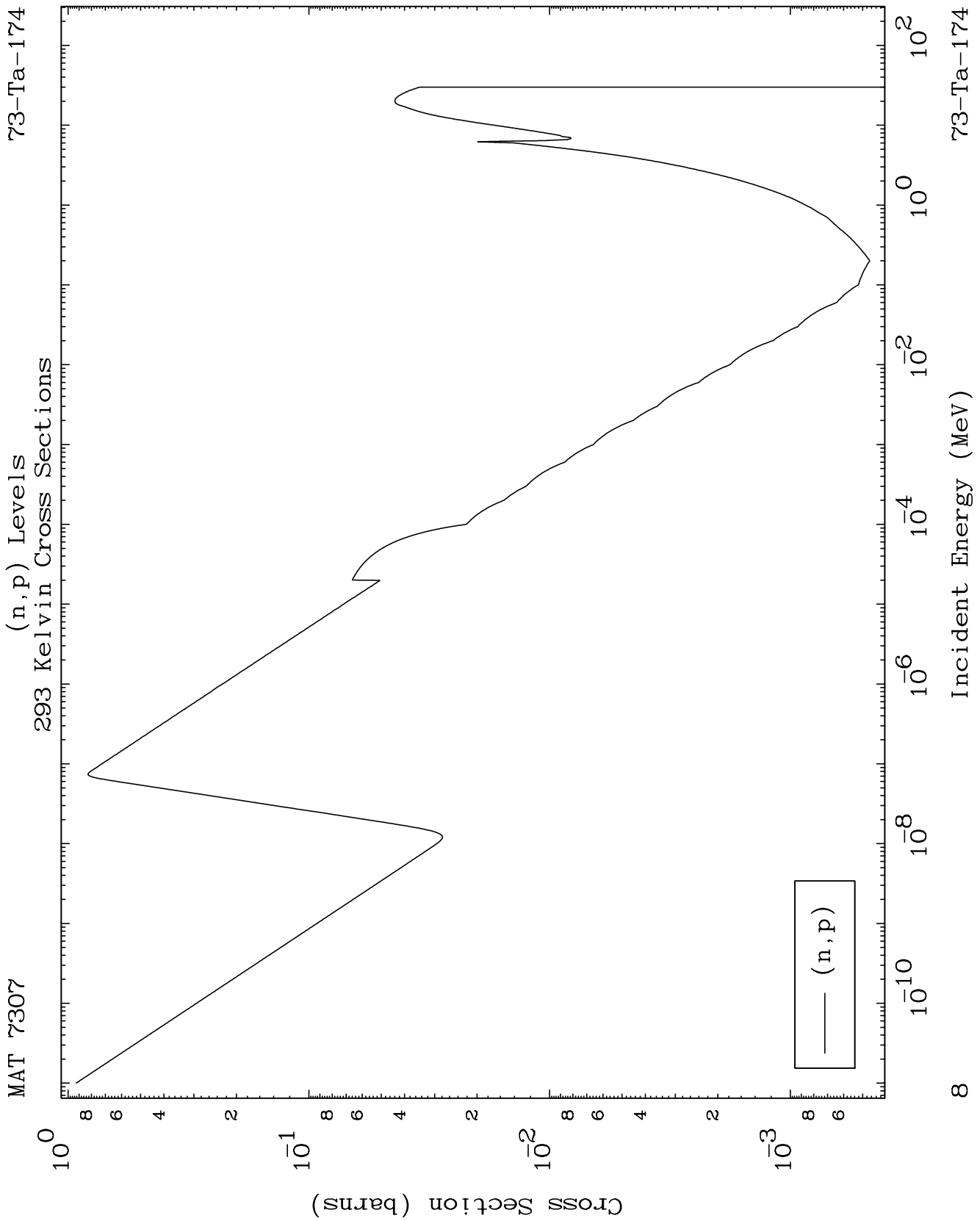


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Incident Energy (MeV)

73-Ta-174

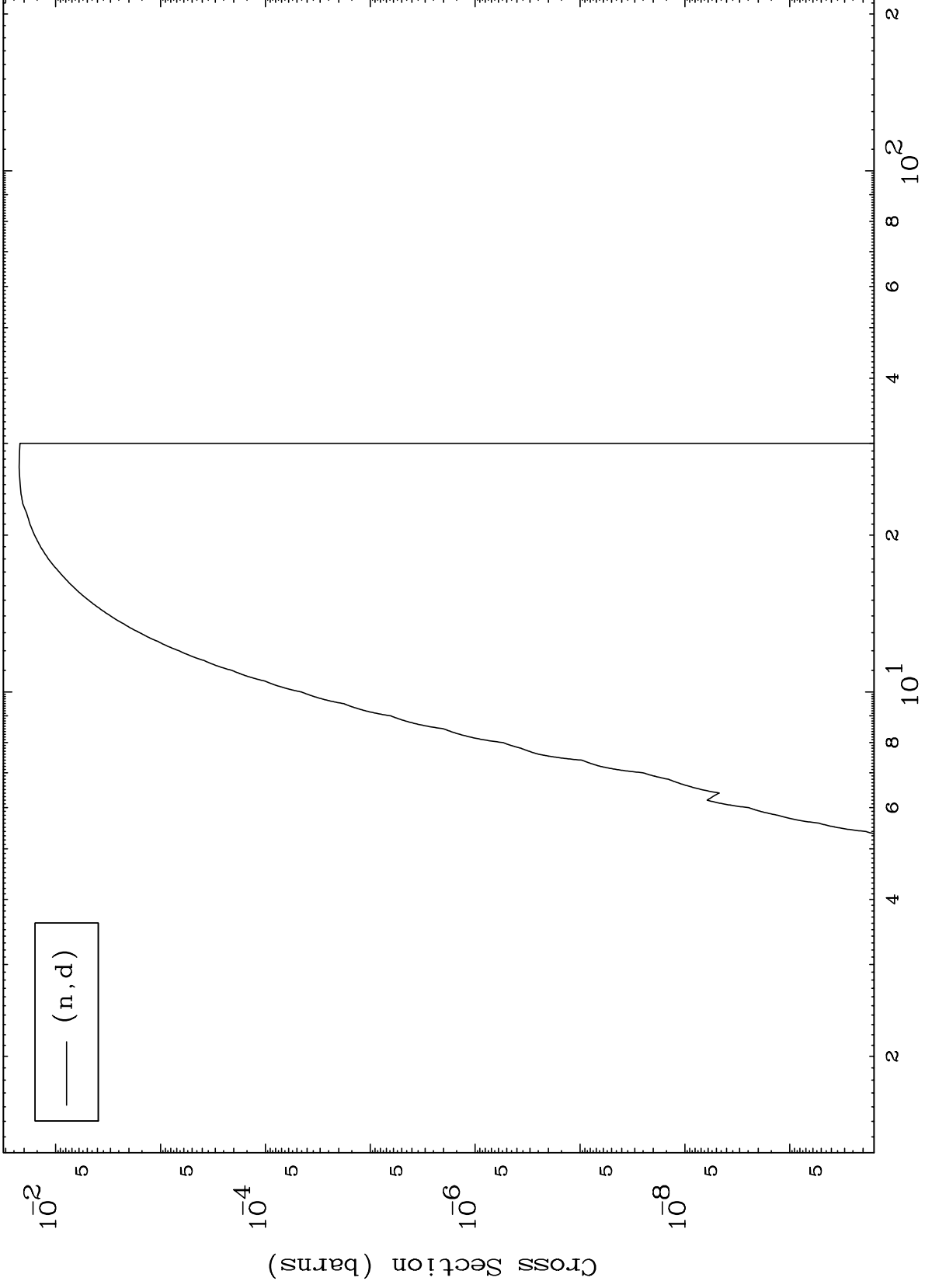




MAT 7307

(n,d) Levels  
293 Kelvin Cross Sections

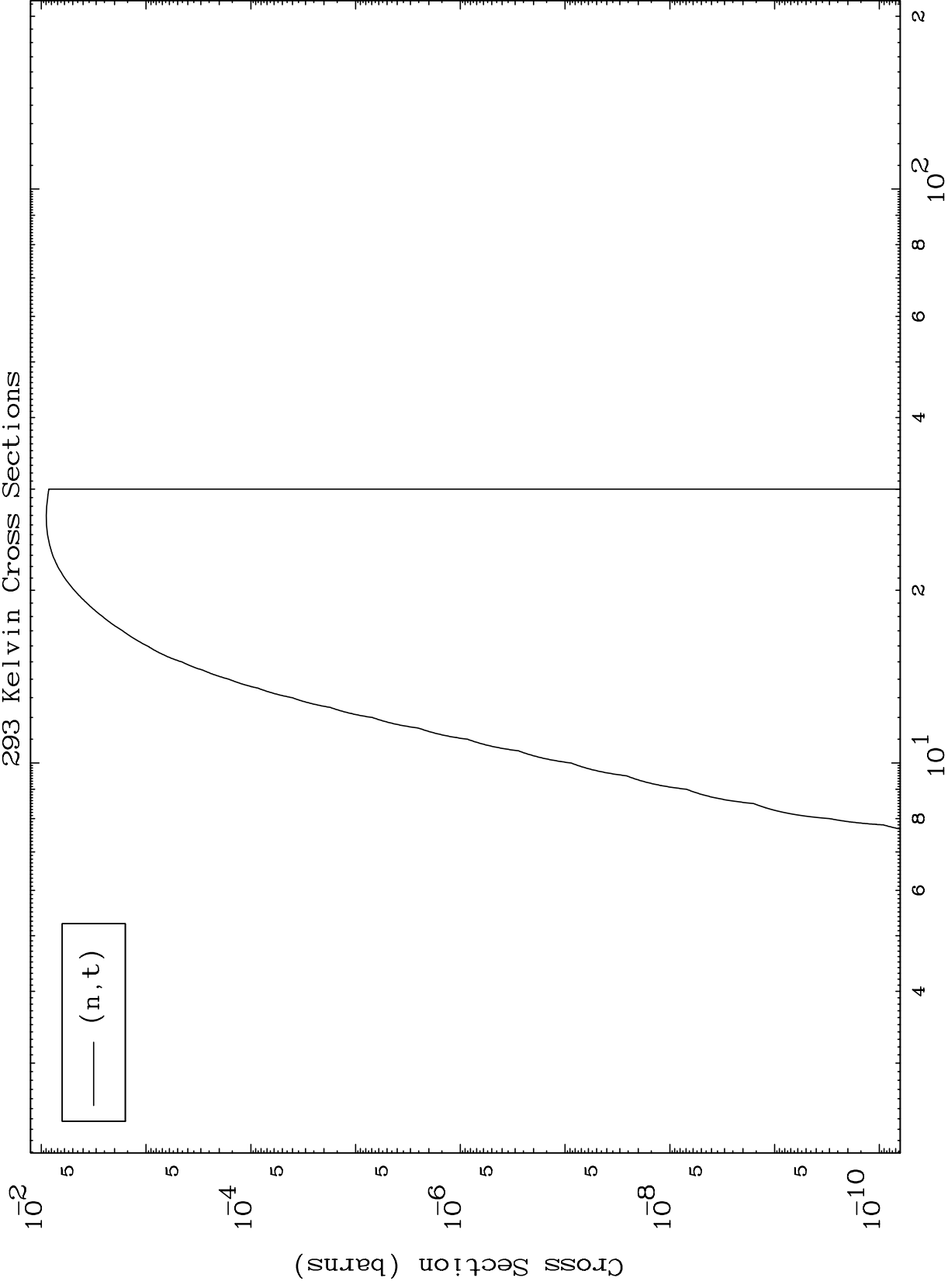
73-Ta-174



MAT 7307

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-174



10

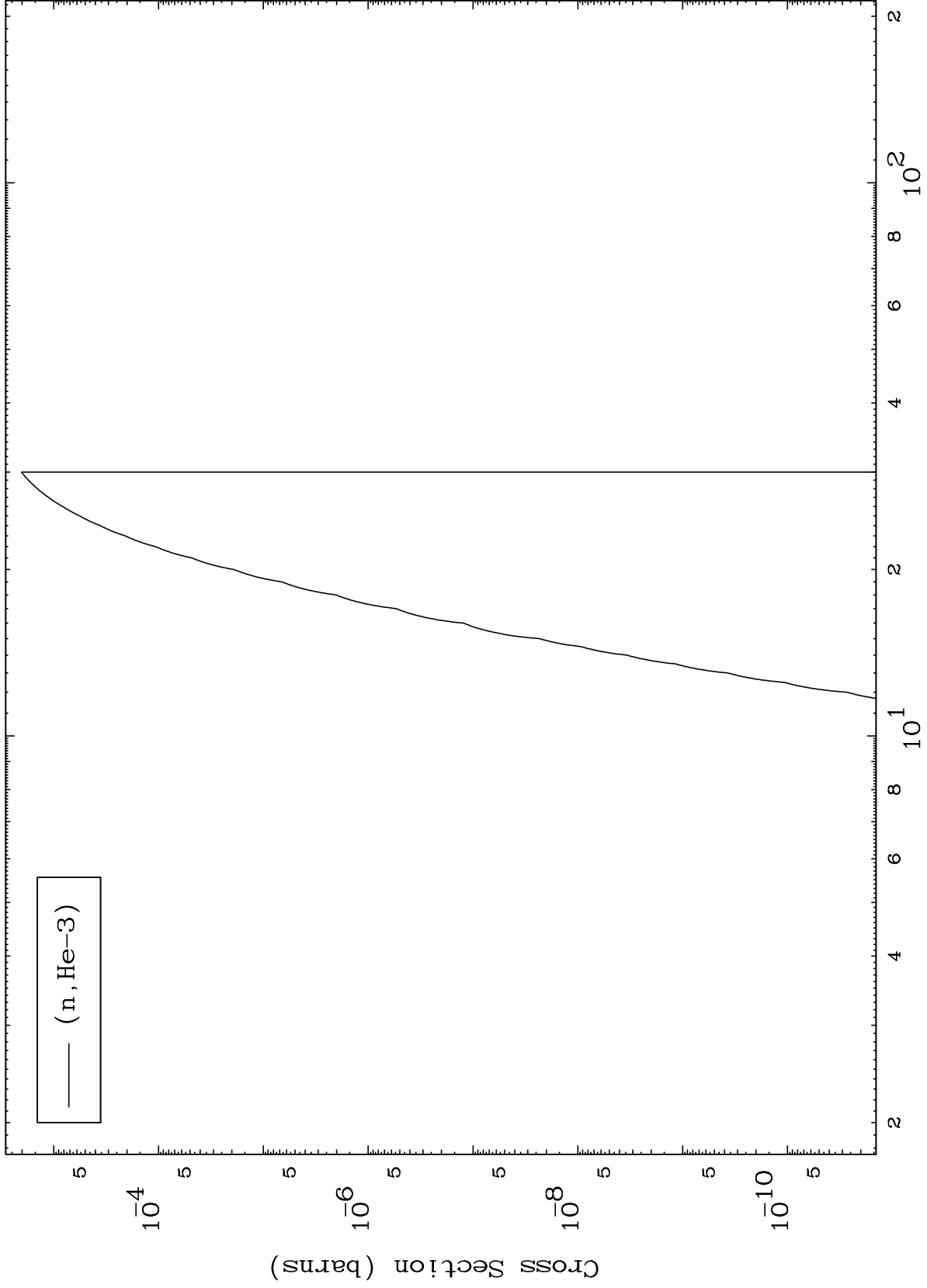
Incident Energy (MeV)

73-Ta-174

MAT 7307

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-174



11

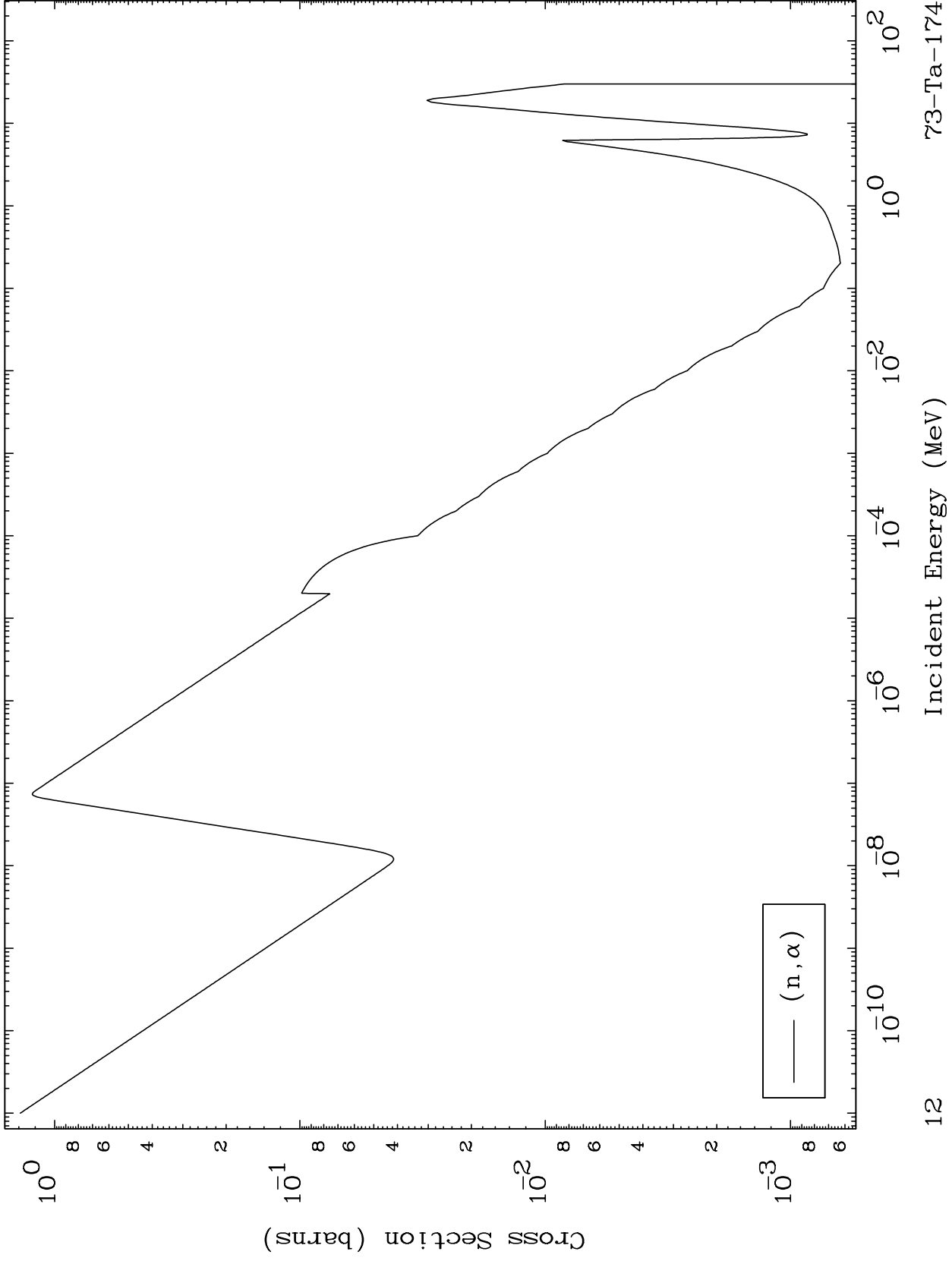
Incident Energy (MeV)

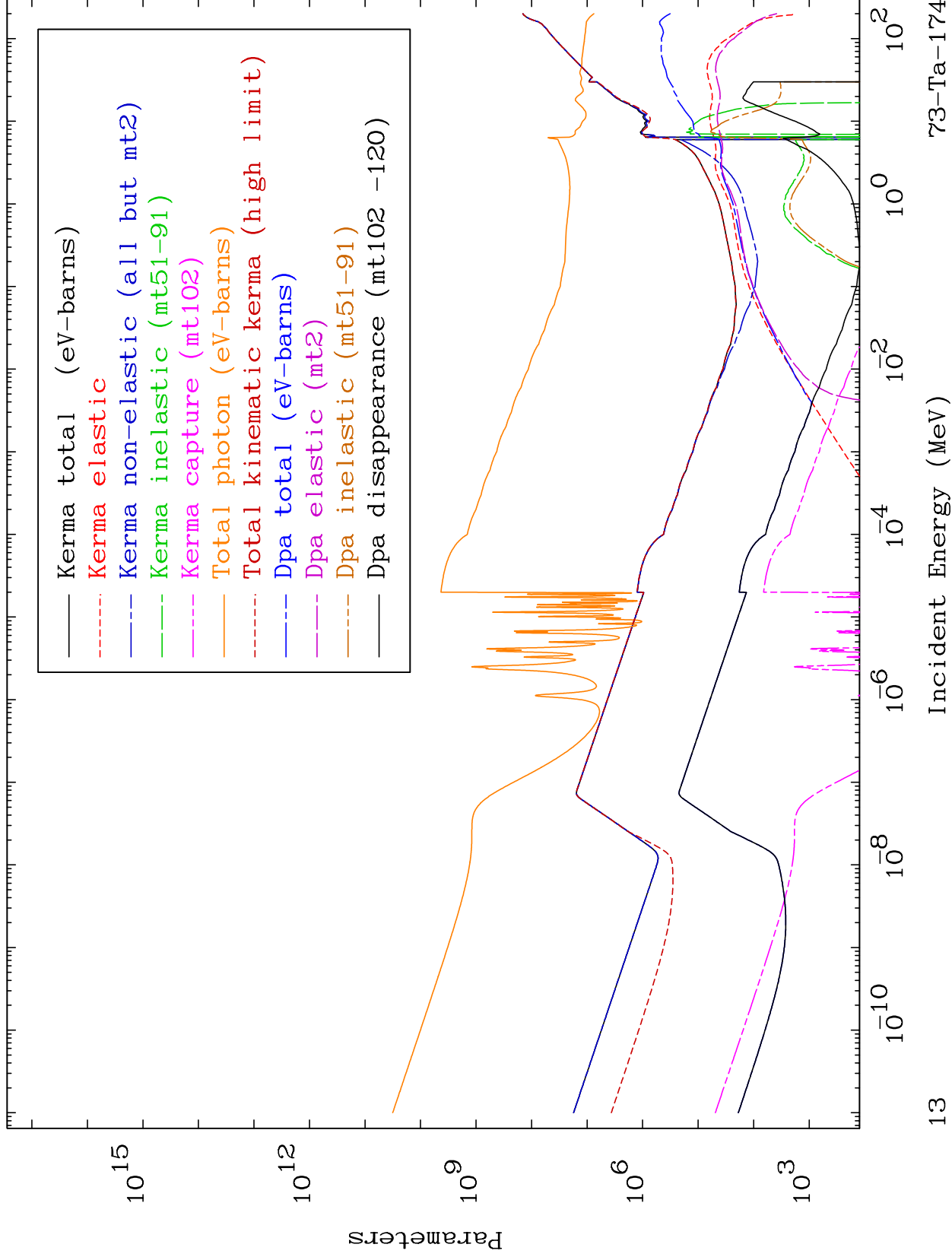
73-Ta-174

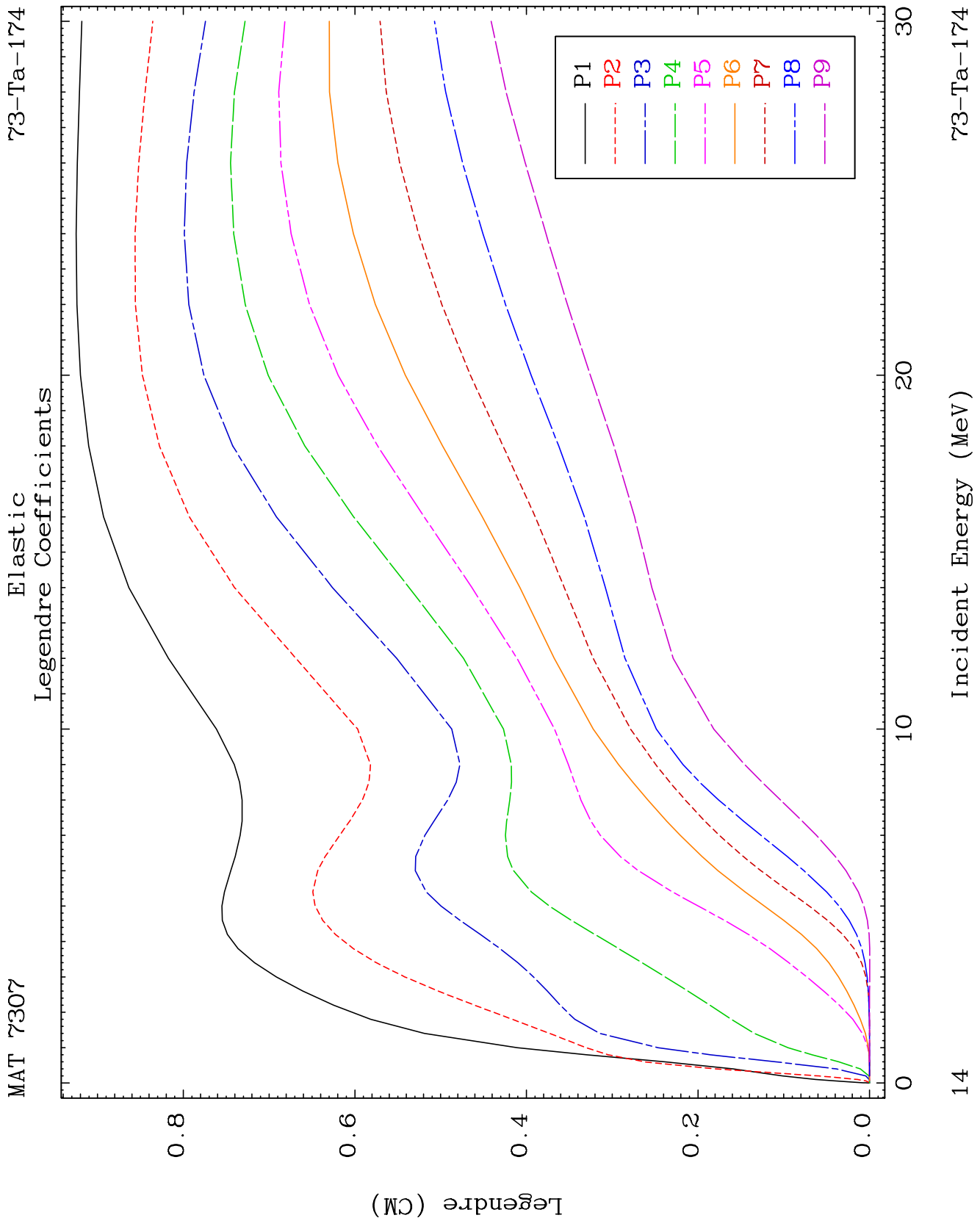
MAT 7307

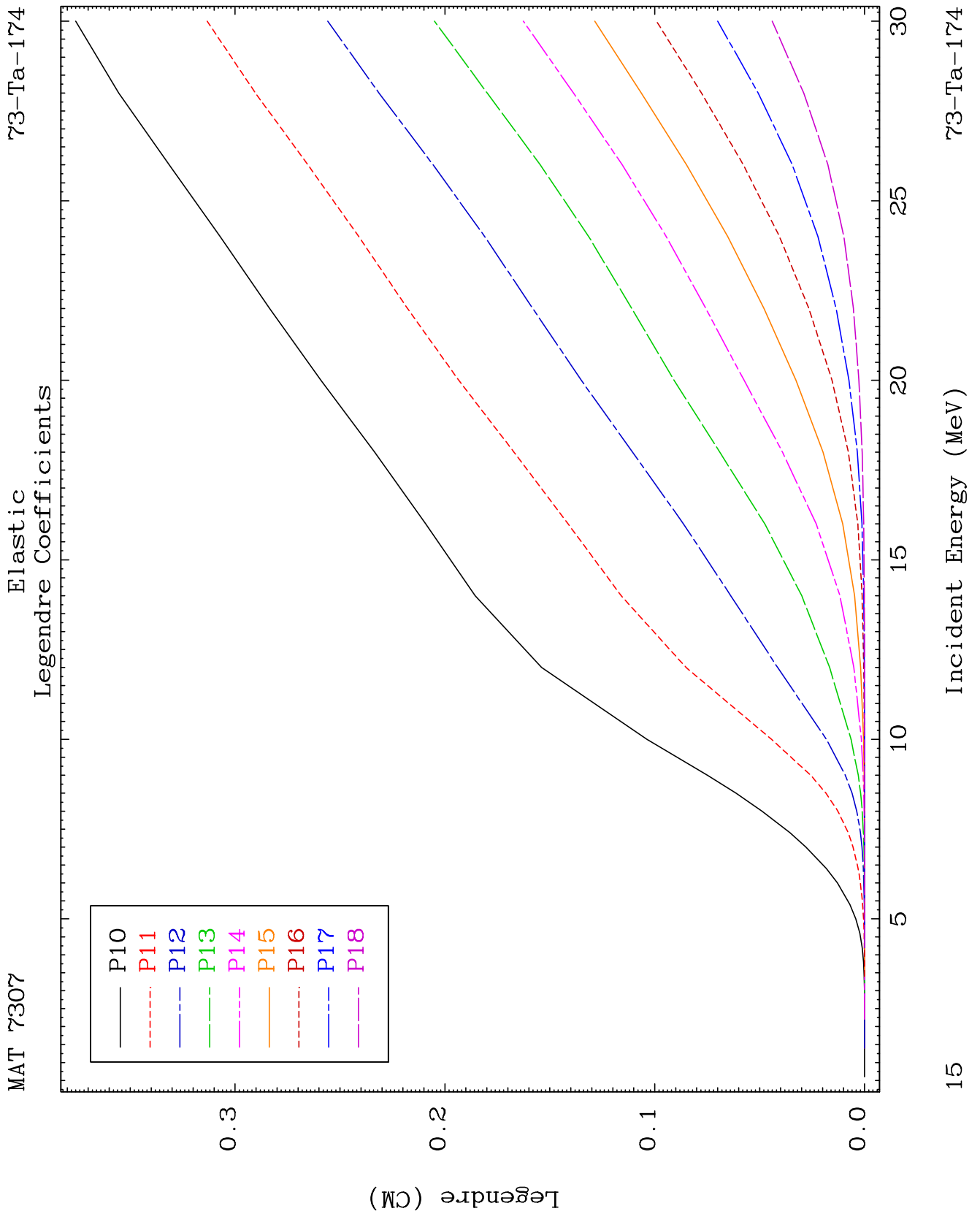
(n,α) Levels  
293 Kelvin Cross Sections

73-Ta-174









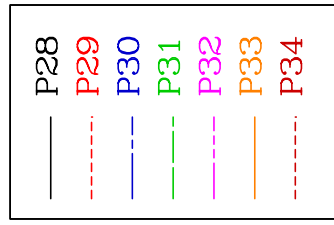




MAT 7307

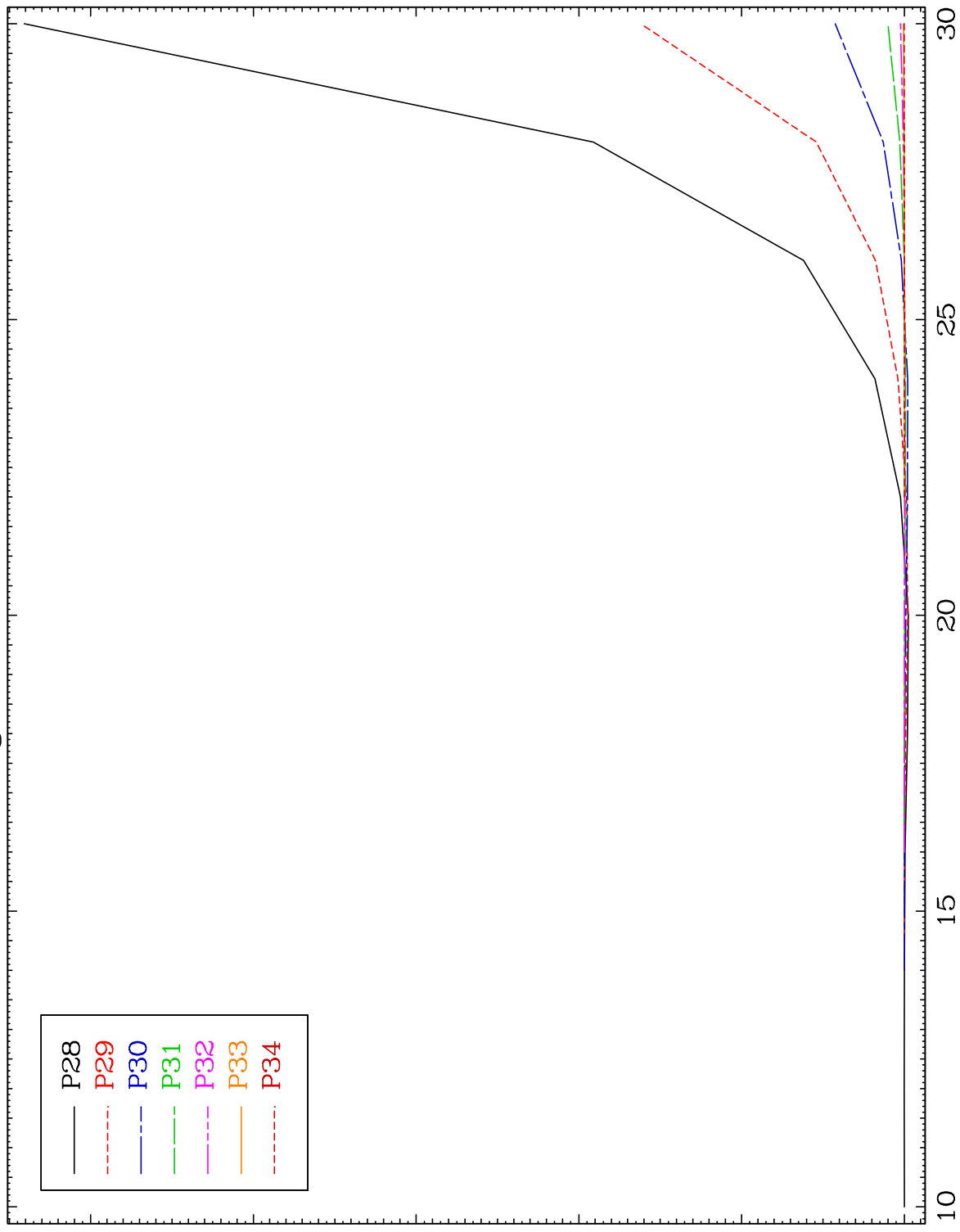
Elastic  
Legendre Coefficients

73-Ta-174



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

Incident Energy (MeV)

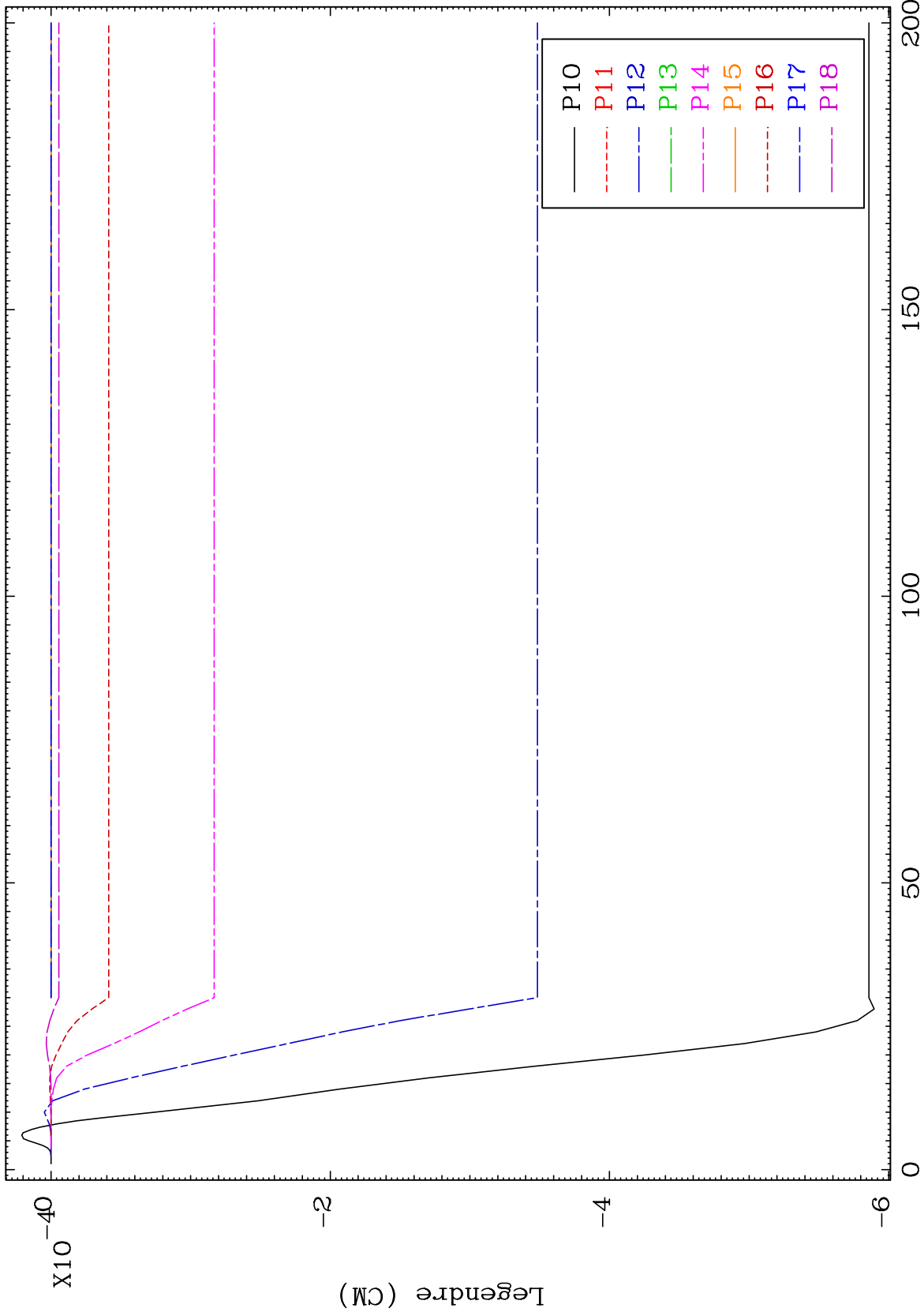
73-Ta-174



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77.00 keV (n,n') Level  
Legendre Coefficients

73-Ta-174

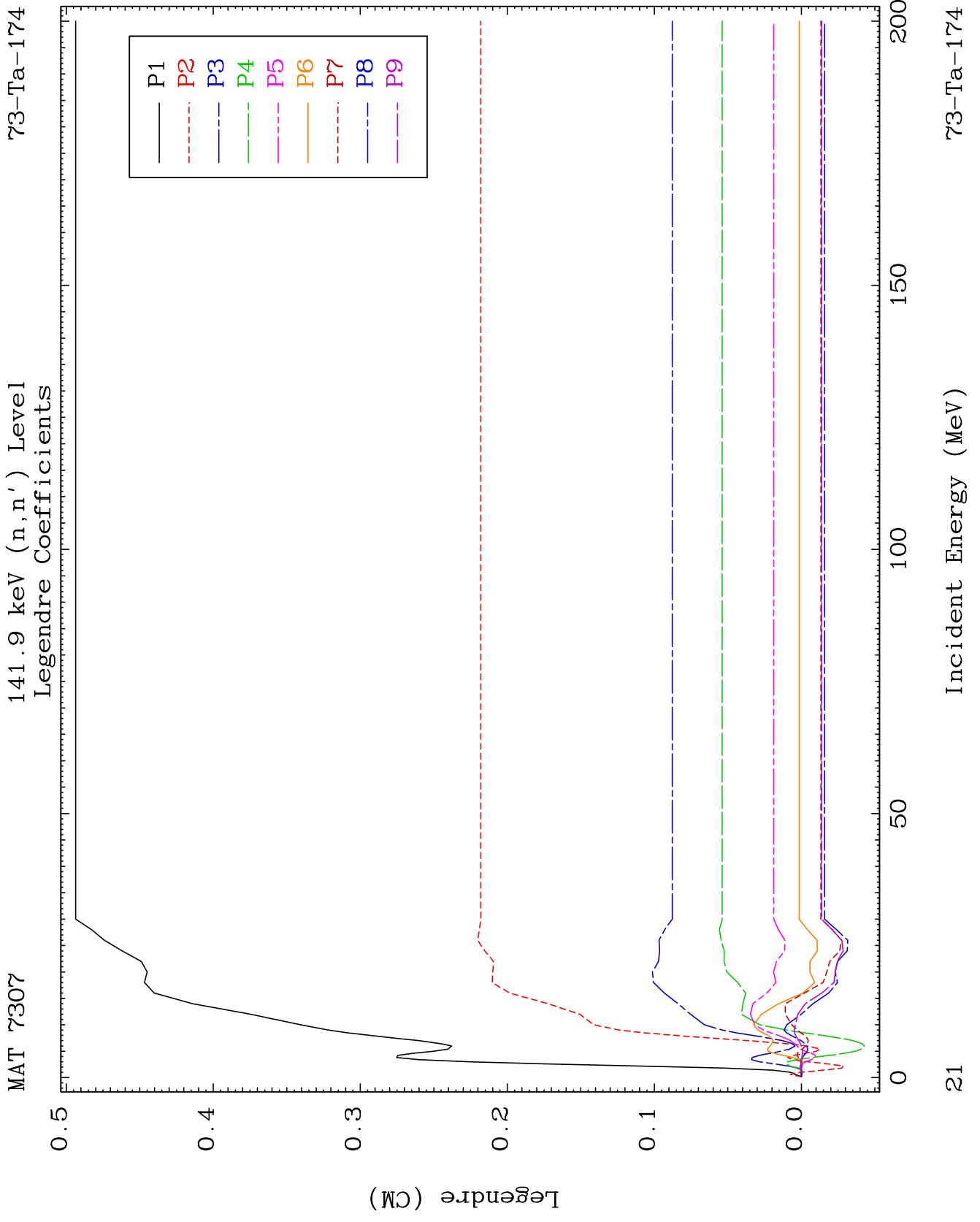


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Incident Energy (MeV)

73-Ta-174

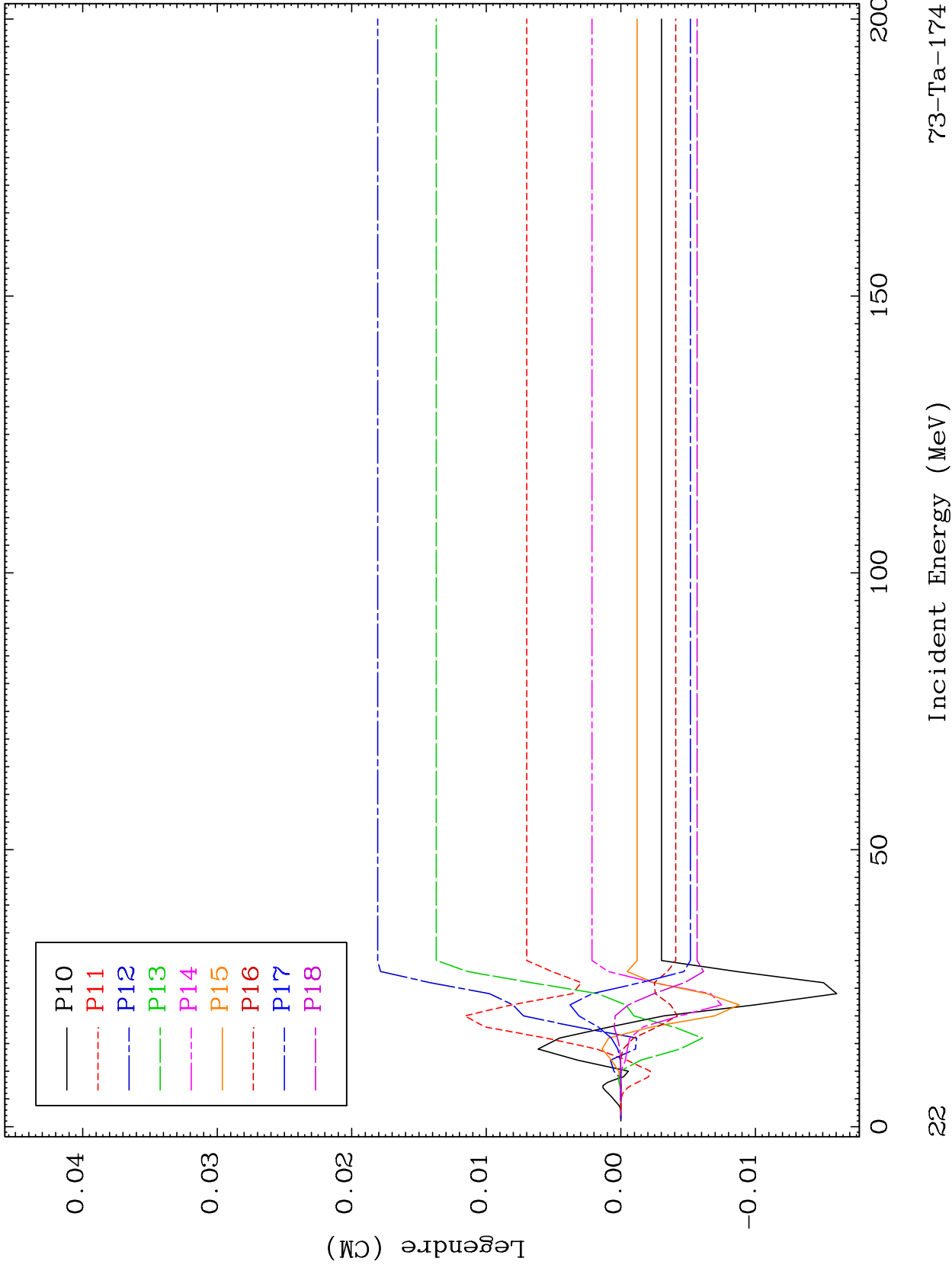




MAT 7307

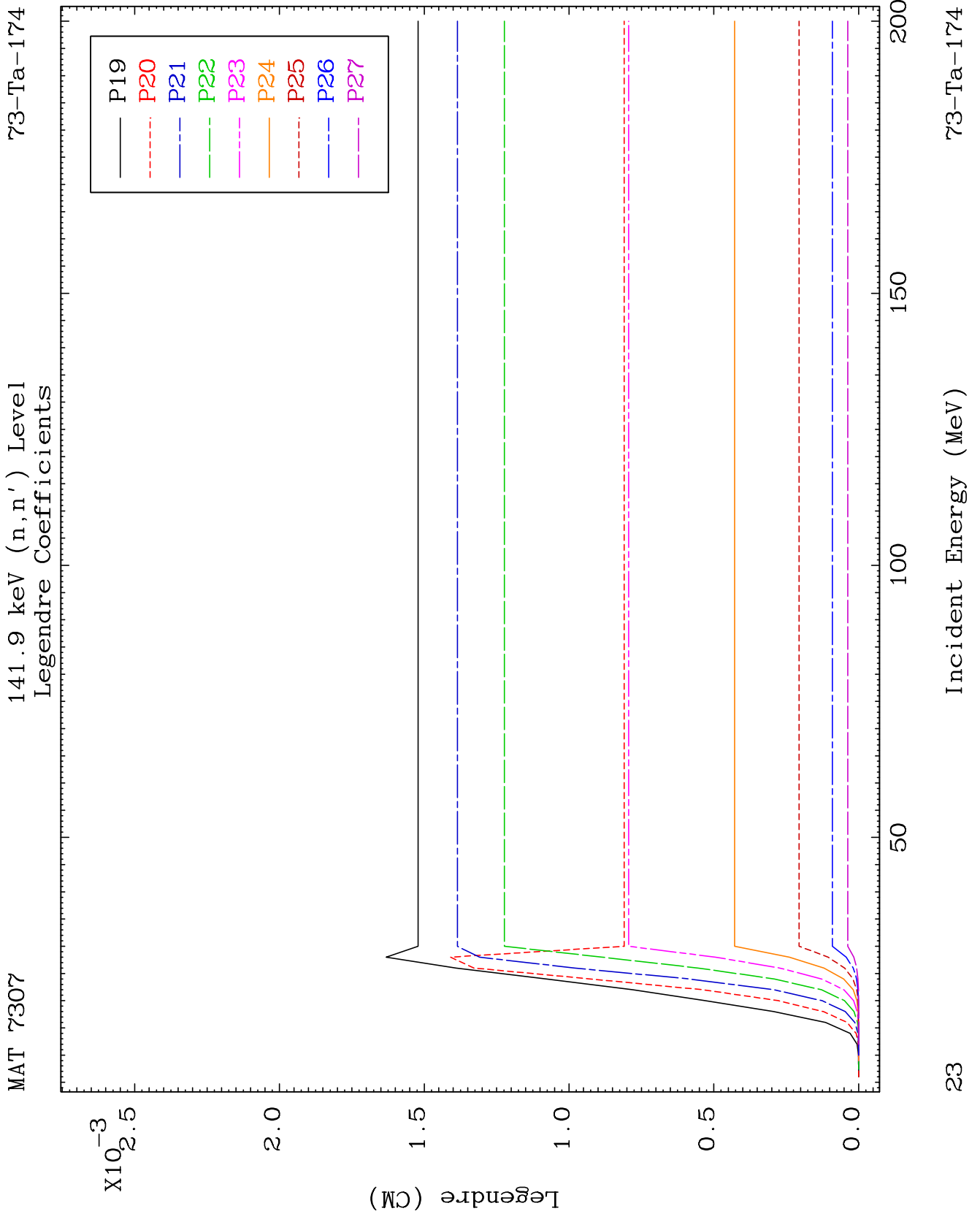
141.9 keV (n,n') Level  
Legendre Coefficients

73-Ta-174

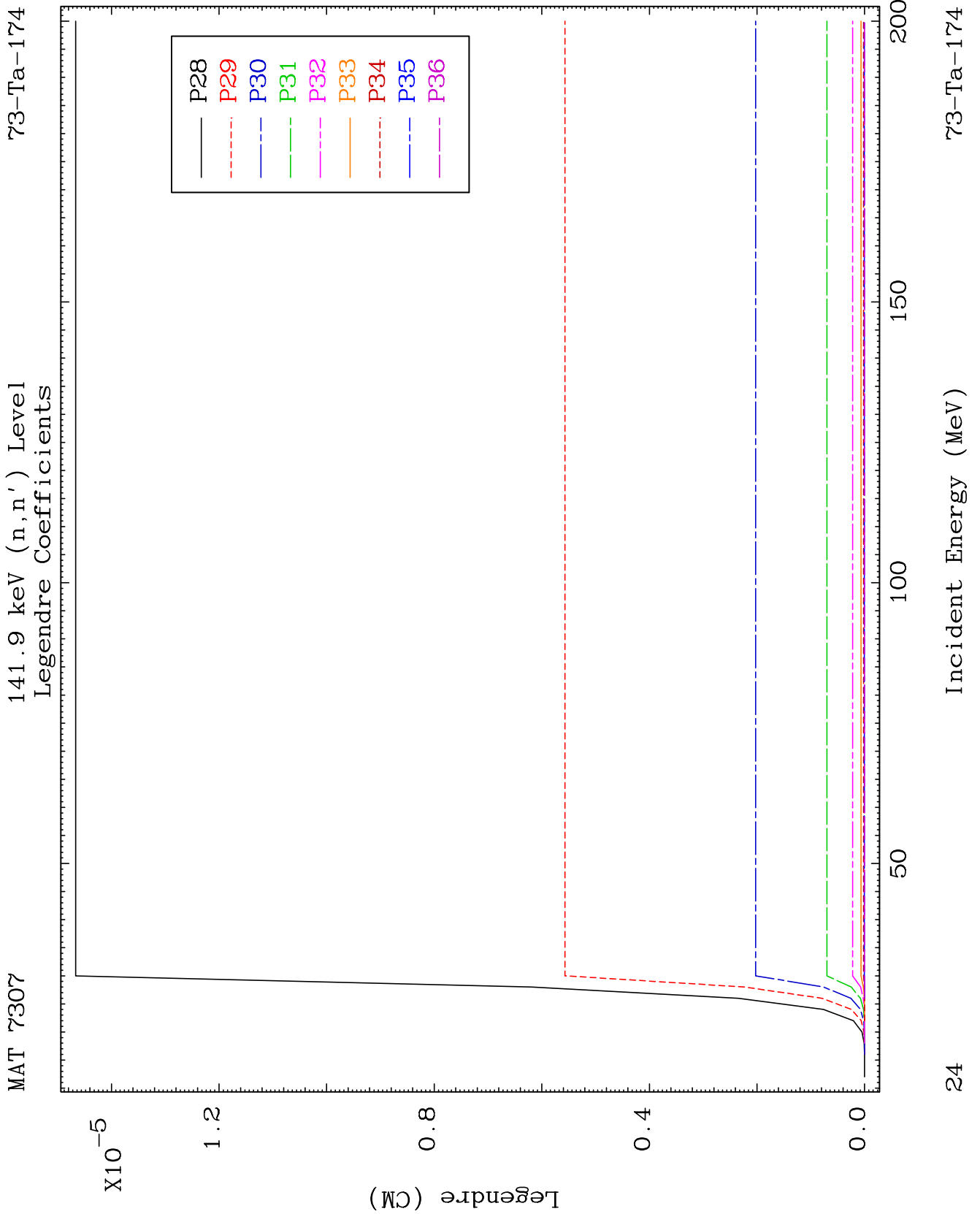


22

73-Ta-174



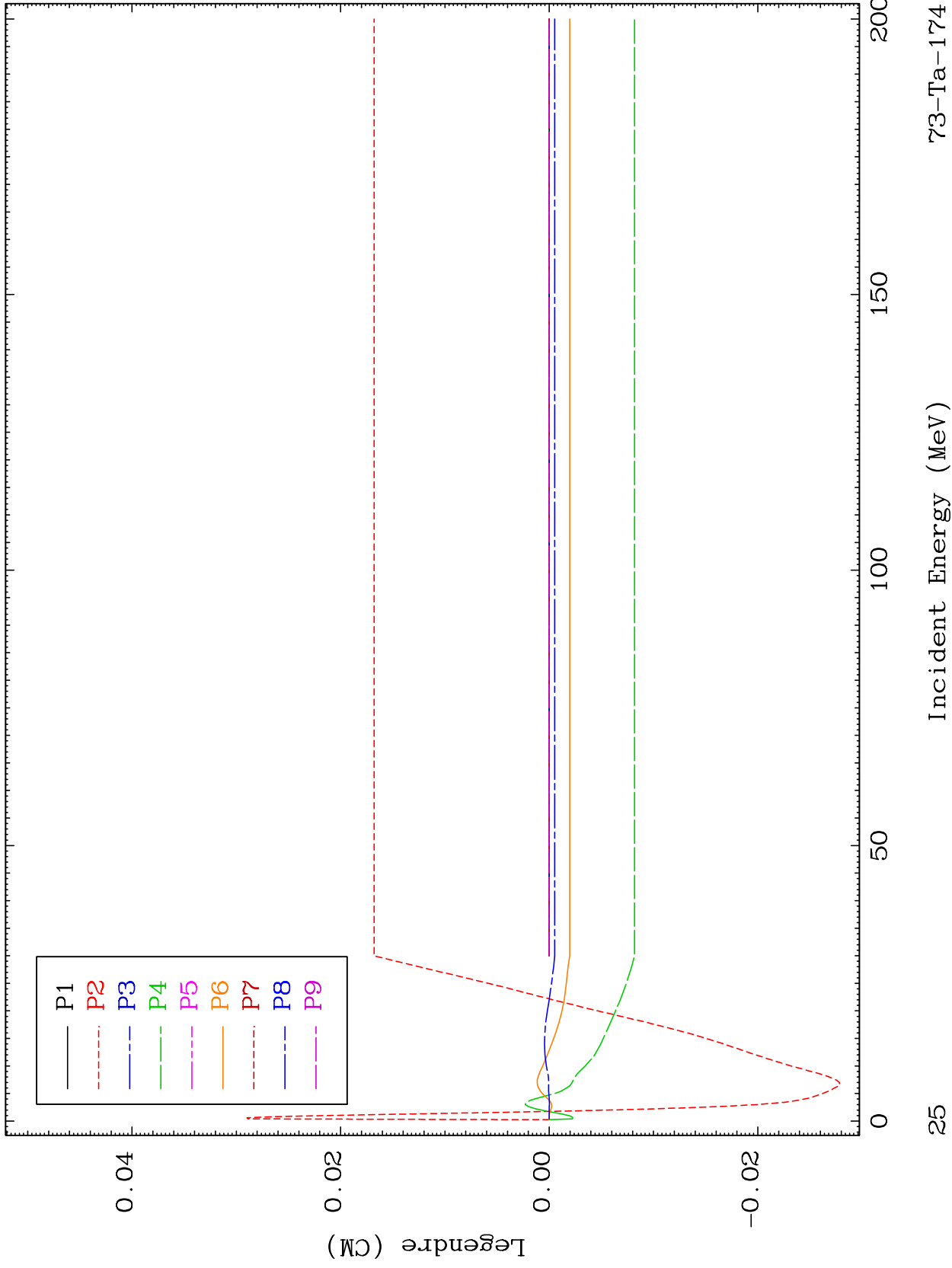




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240.7 keV (n,n') Level  
Legendre Coefficients

73-Ta-174



73-Ta-174

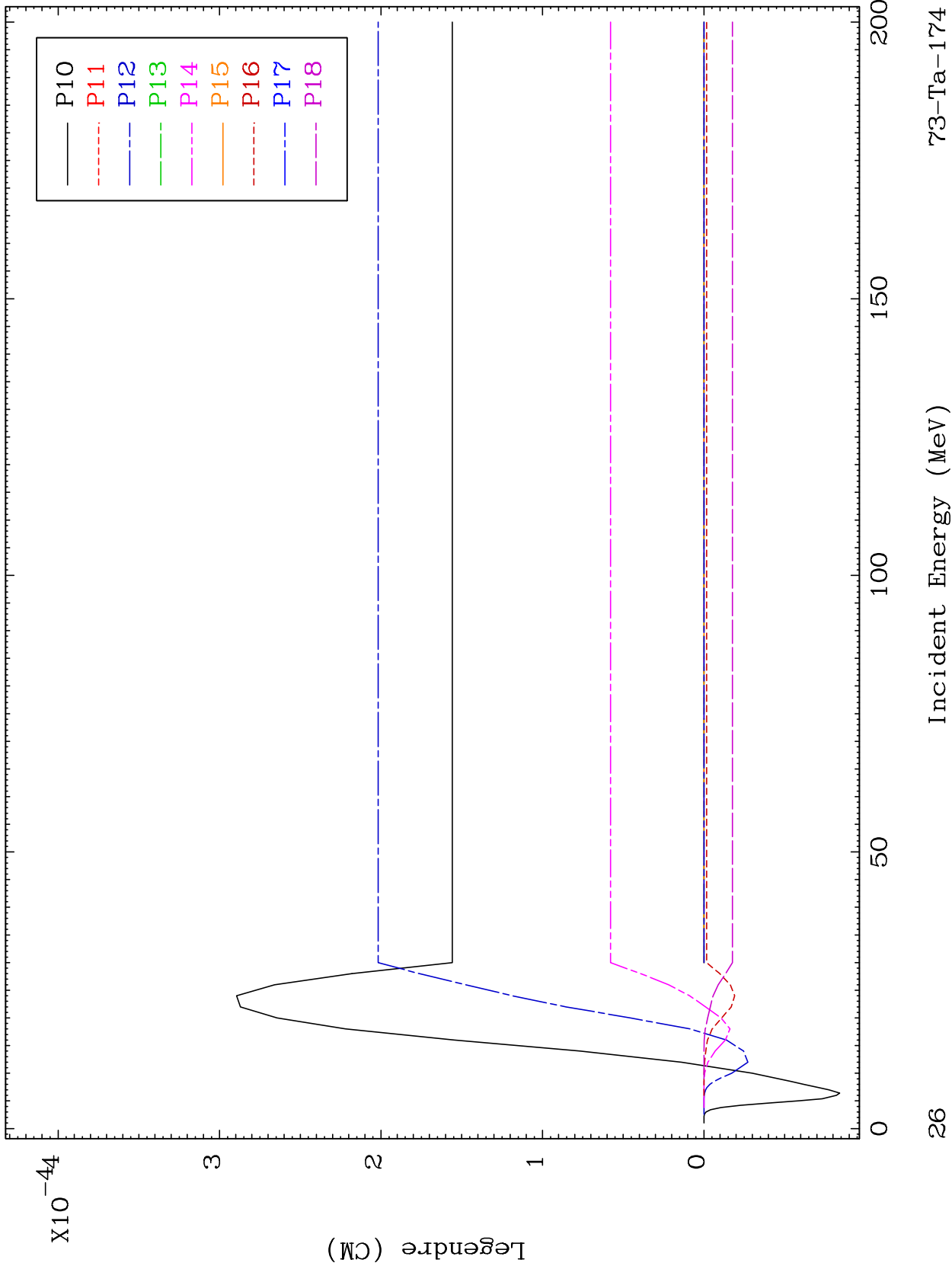
Incident Energy (MeV)

25

MAT 7307

240.7 keV (n,n') Level  
Legendre Coefficients

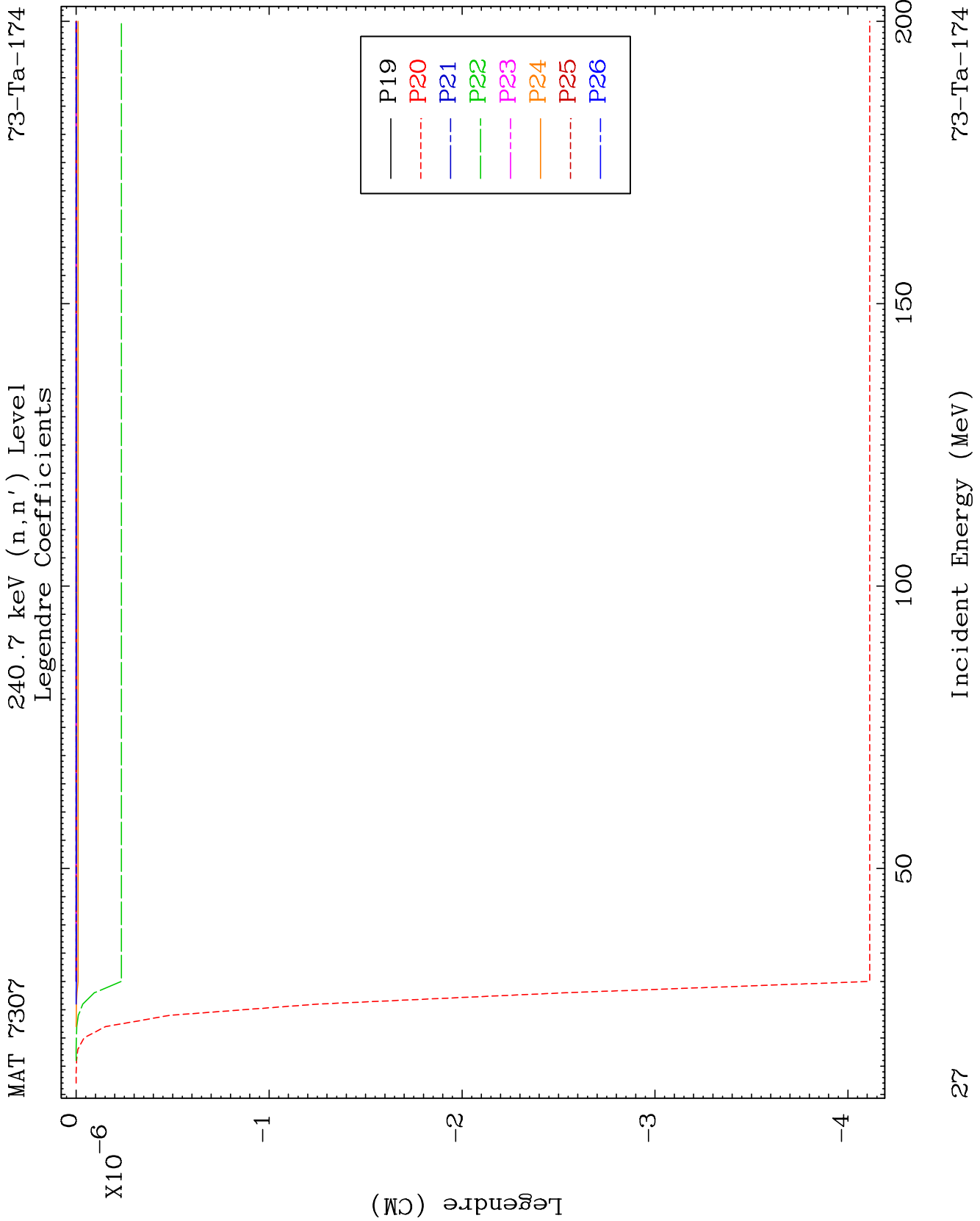
73-Ta-174

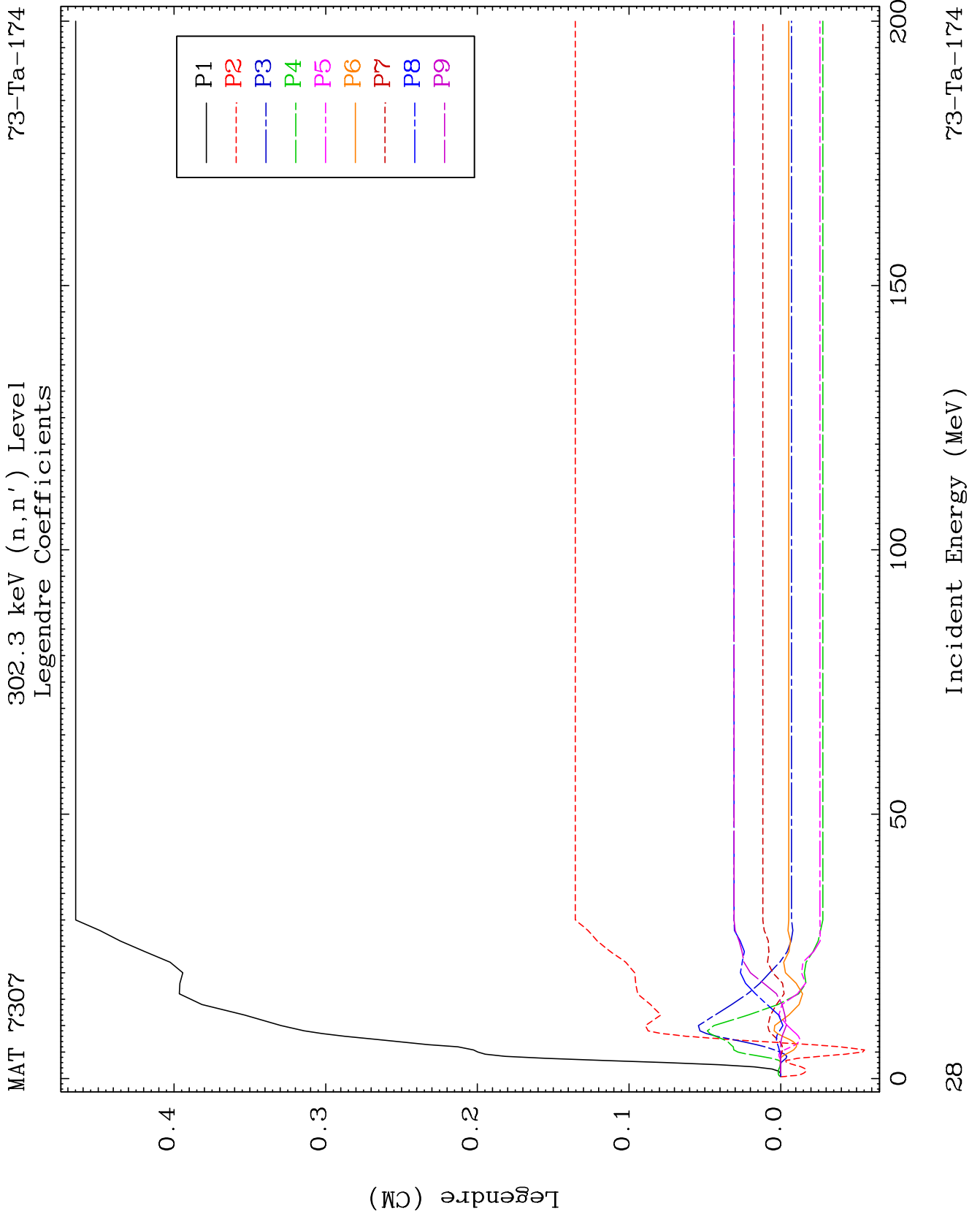


26

Incident Energy (MeV)

73-Ta-174

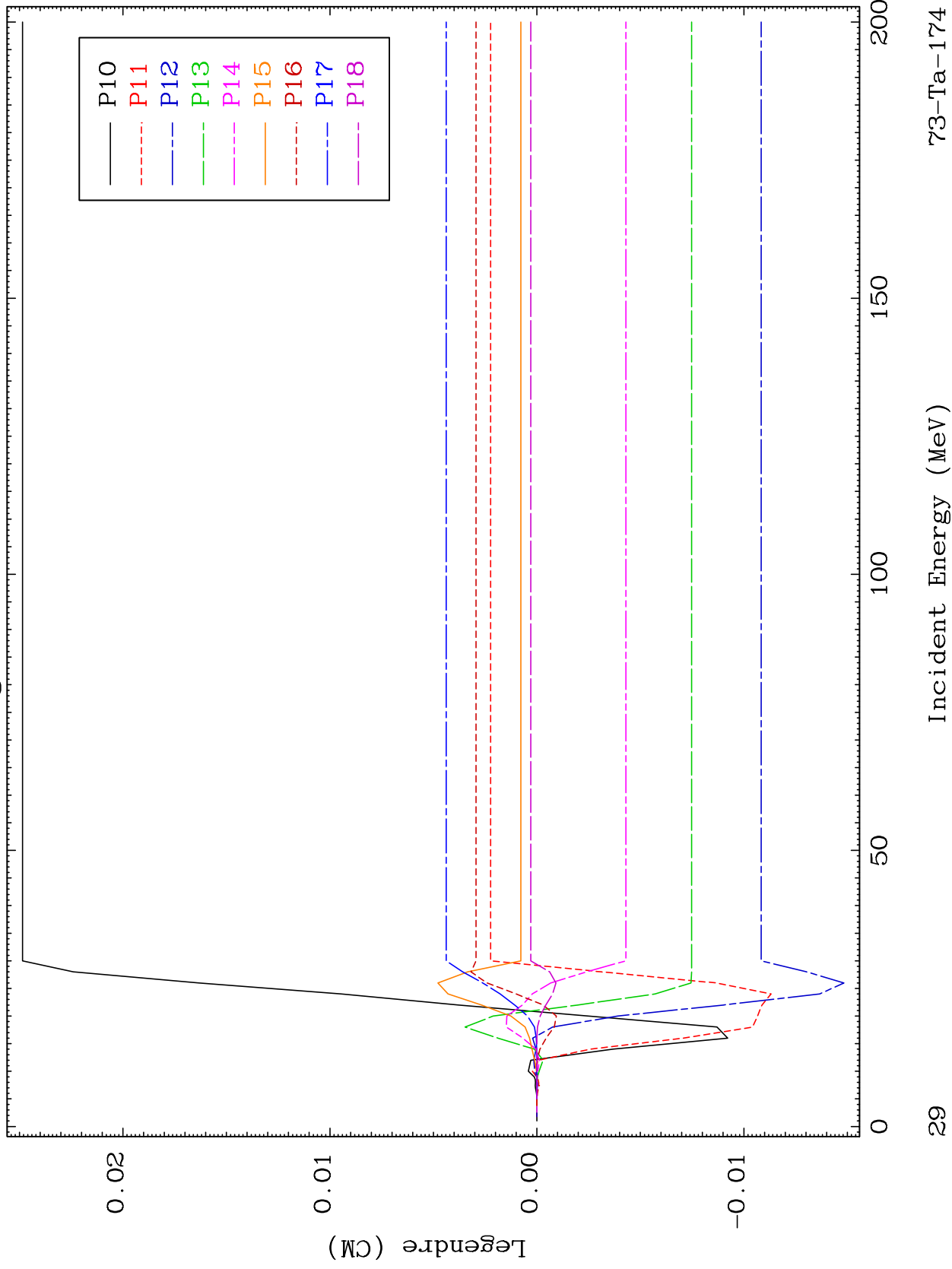




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302.3 keV (n,n') Level  
Legendre Coefficients

73-Ta-174



29

Incident Energy (MeV)

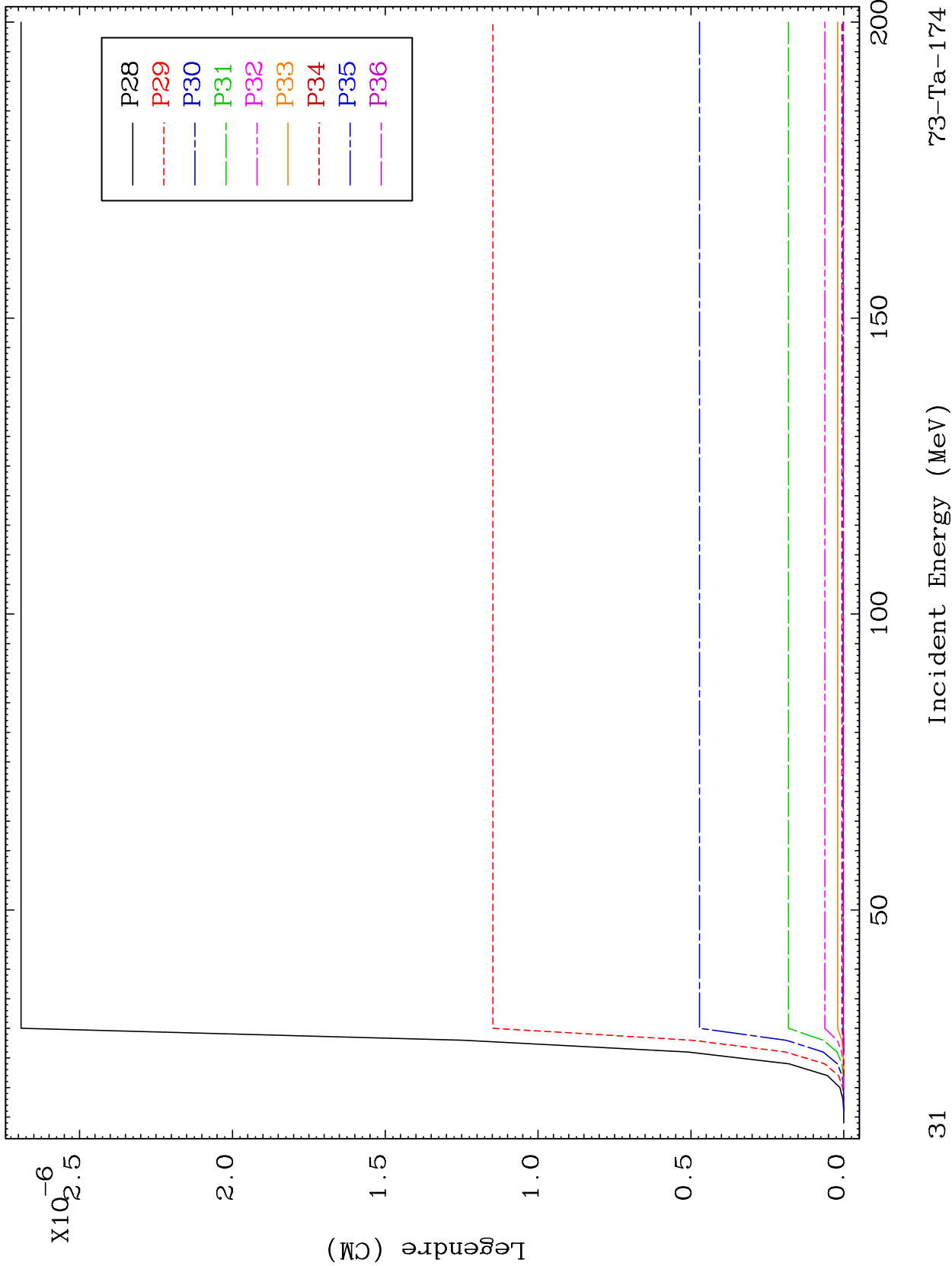
73-Ta-174



MAT 7307

302.3 keV (n,n') Level  
Legendre Coefficients

73-Ta-174



31

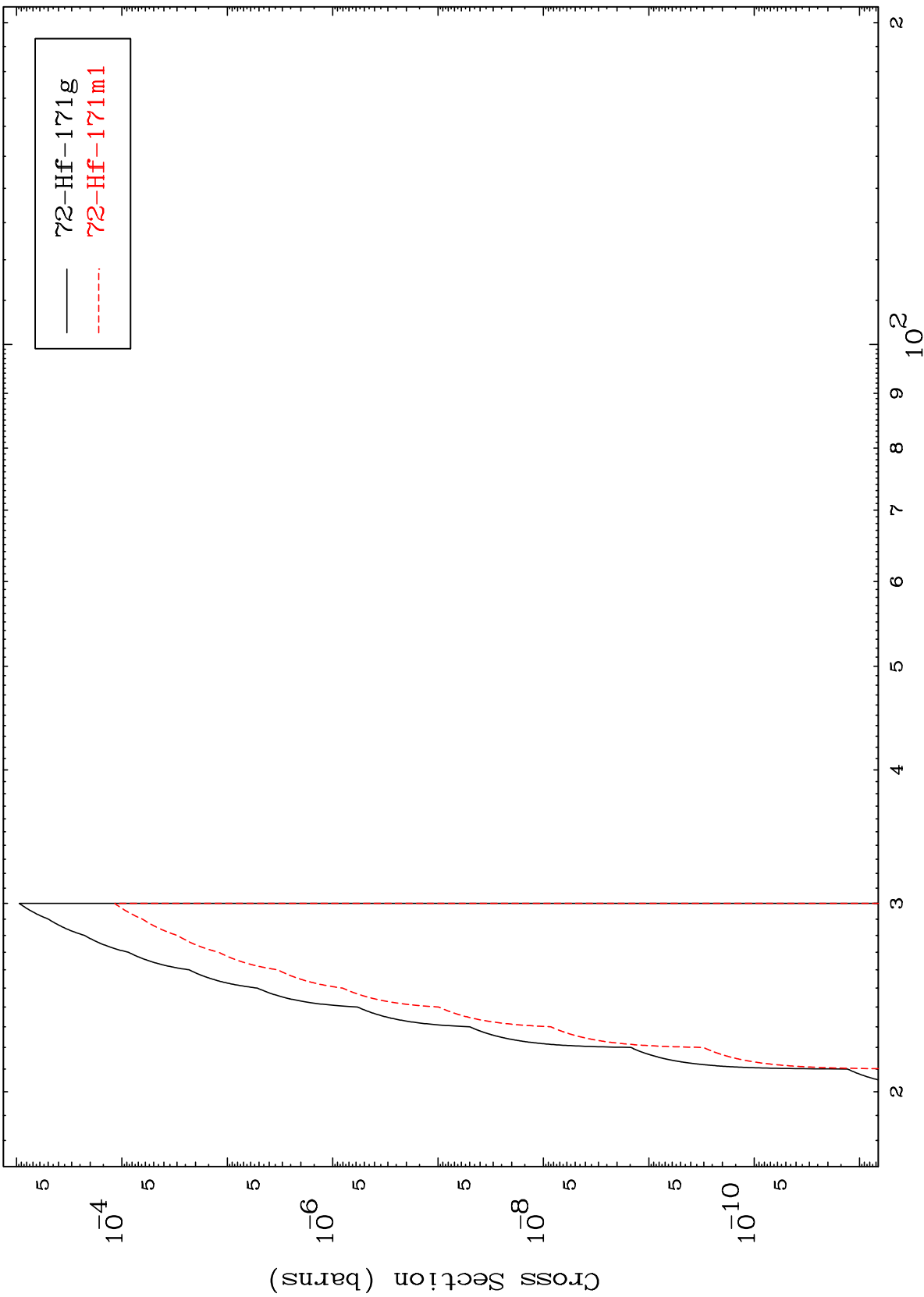


MAT 7307

(n,2n) d

<sup>73</sup>Ta-174

Radionuclide Production Cross Section



72-Hf-171g  
72-Hf-171m1

32

Incident Energy (MeV)

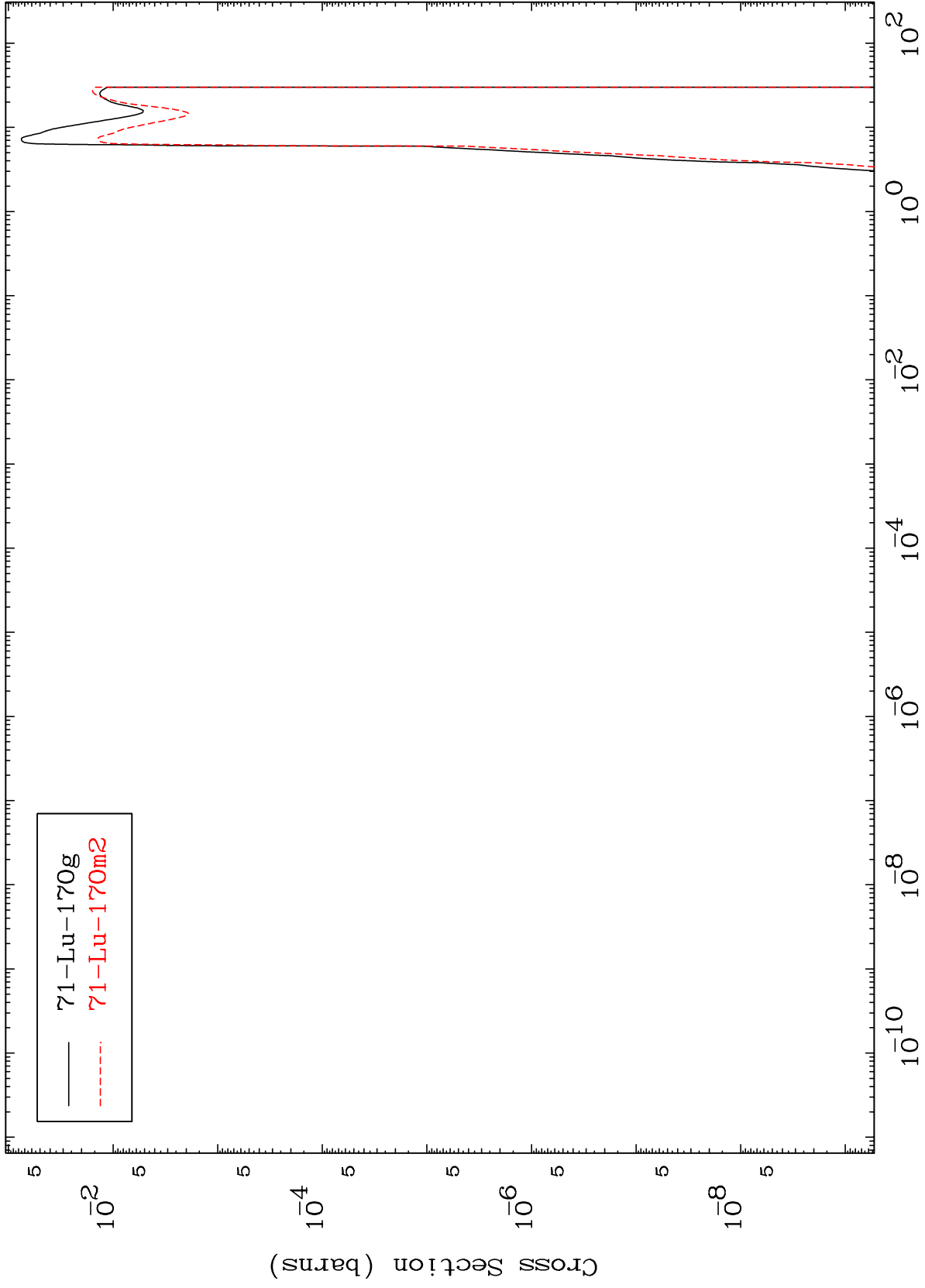
<sup>73</sup>Ta-174

MAT 7307

$(n, n') \alpha$

$^{73}\text{Ta-174}$

Radionuclide Production Cross Section

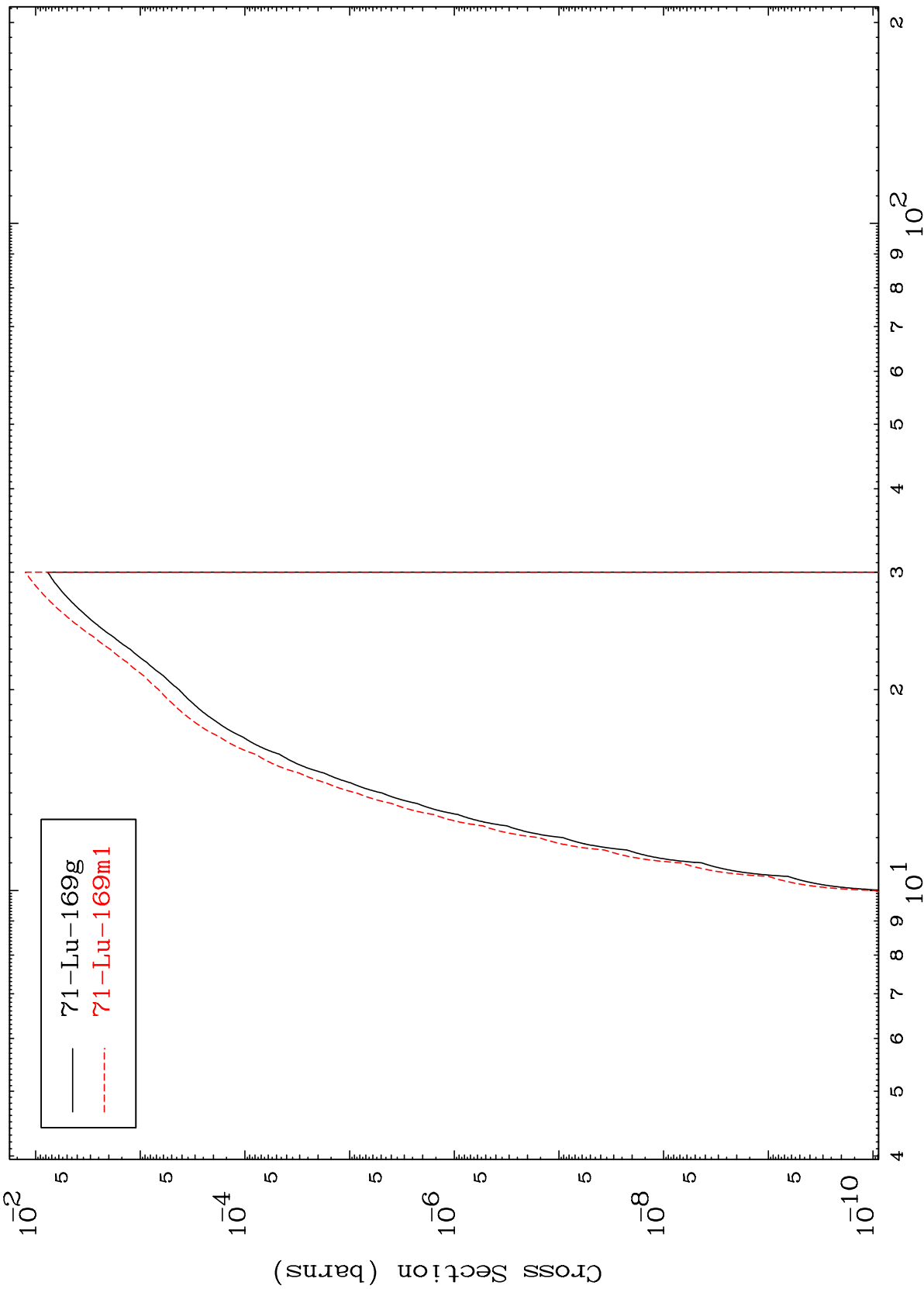


MAT 7307

(n,2n)  $\alpha$

73-Ta-174

Radionuclide Production Cross Section



71-Lu-169g  
71-Lu-169m1

Incident Energy (MeV)

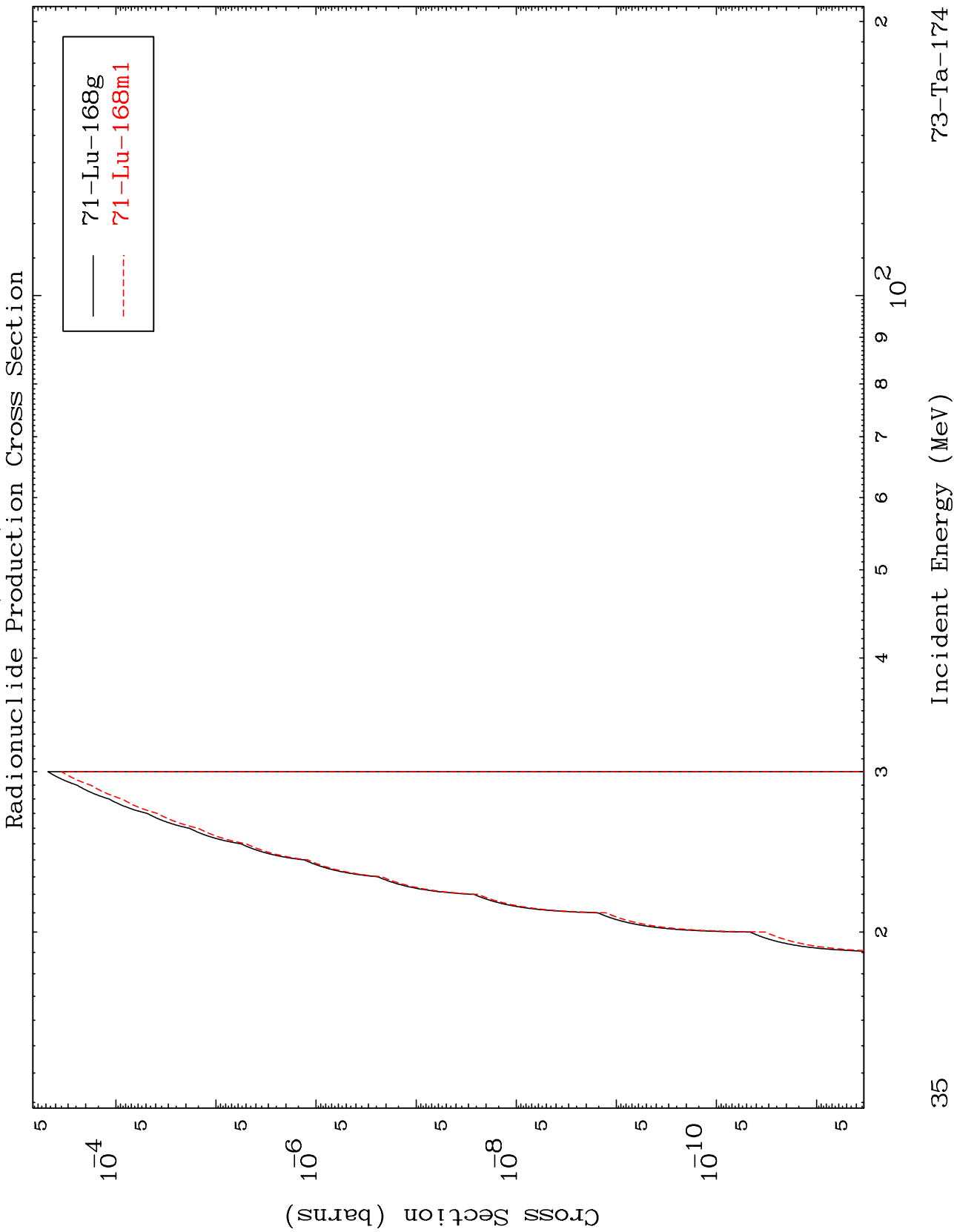
73-Ta-174

34

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$(n,3n) \alpha$

$^{73}\text{Ta-174}$



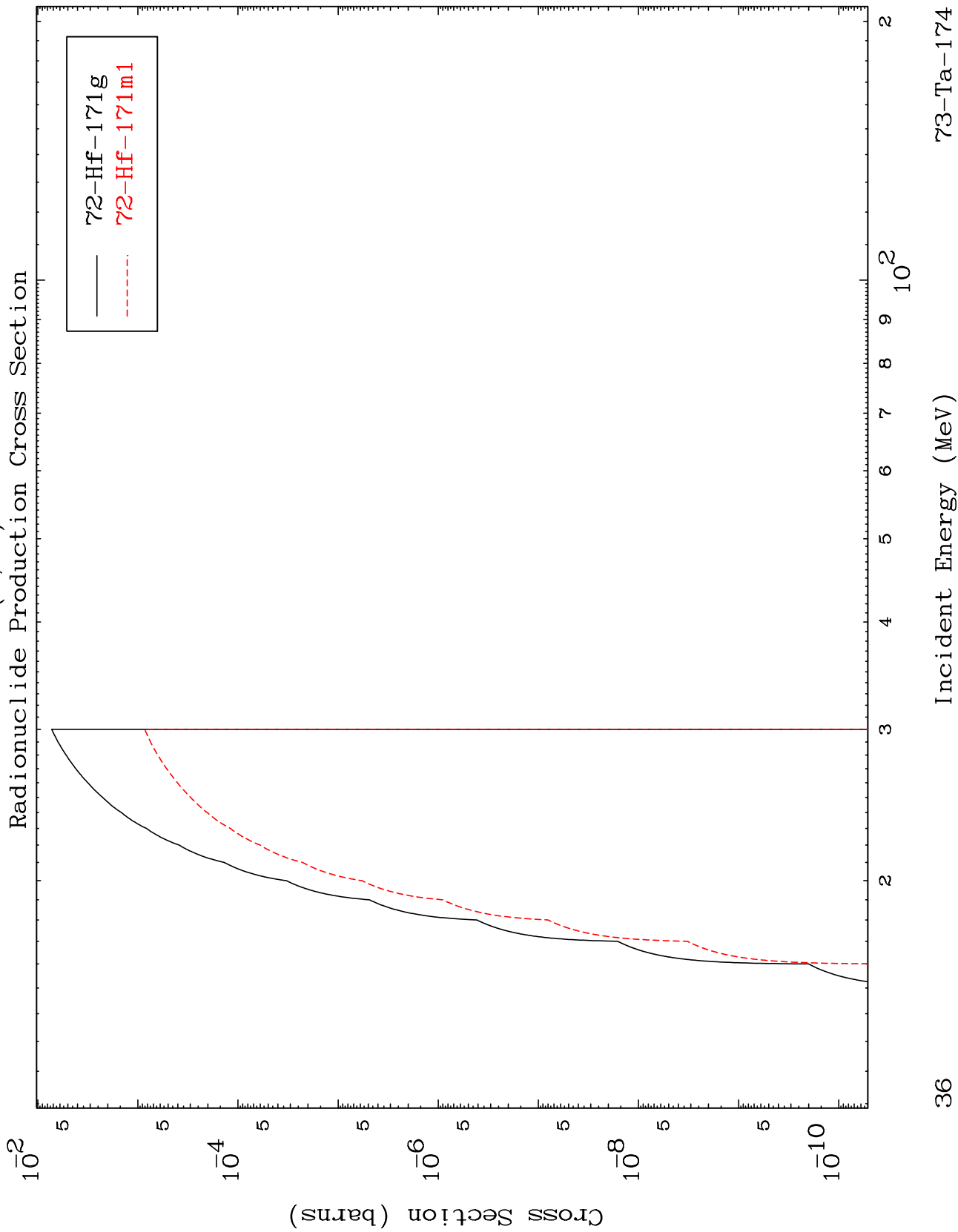
35

$^{73}\text{Ta-174}$

MAT 7307

(n,n') t

73-Ta-174



36

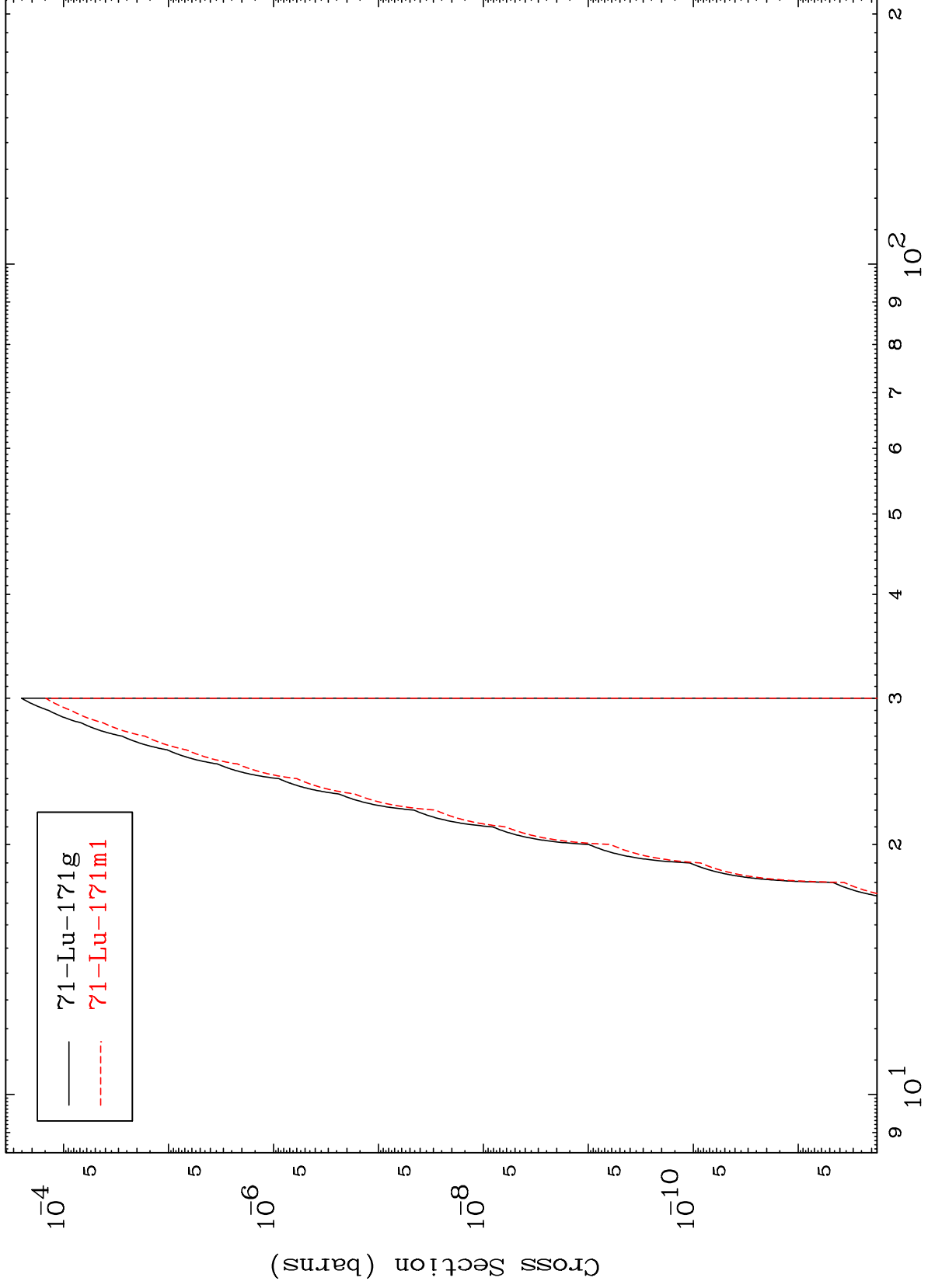
73-Ta-174

MAT 7307

(n,n') He-3

73-Ta-174

Radionuclide Production Cross Section



37

Incident Energy (MeV)

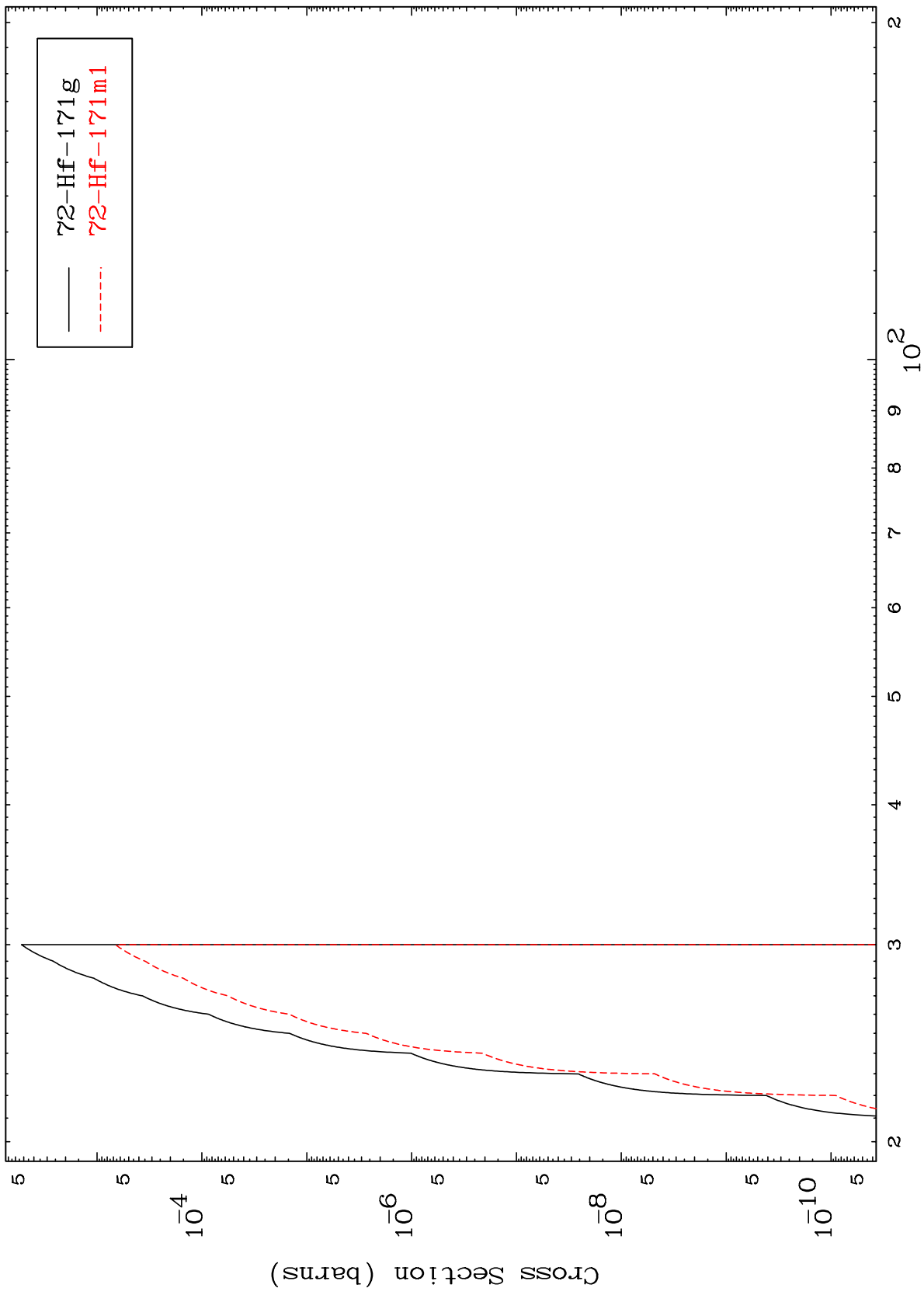
73-Ta-174

MAT 7307

(n,3n) p

<sup>73</sup>Ta-174

Radionuclide Production Cross Section



38

Incident Energy (MeV)

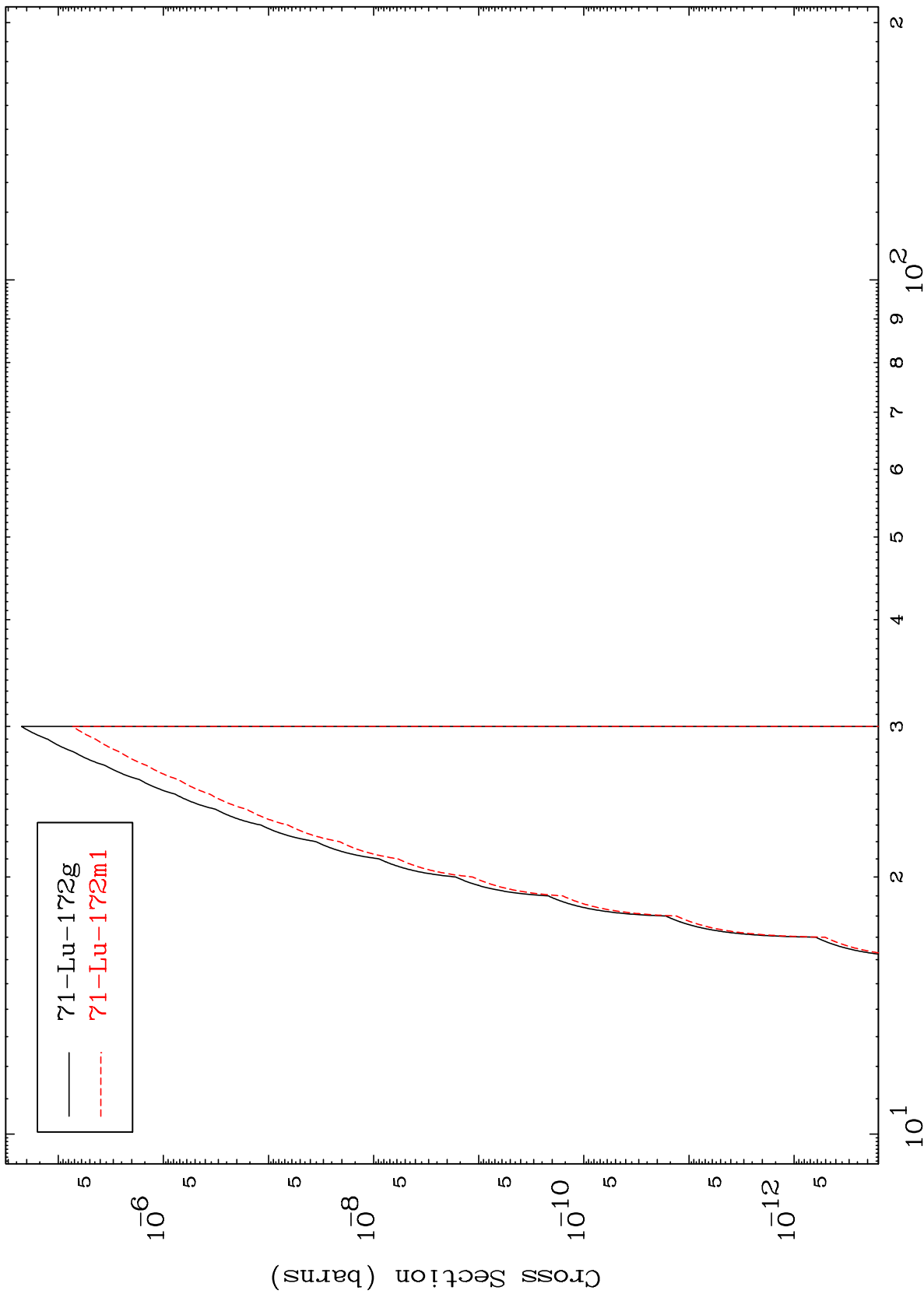
<sup>73</sup>Ta-174

MAT 7307

(n,2n) p

73-Ta-174

Radionuclide Production Cross Section



39

Incident Energy (MeV)

73-Ta-174

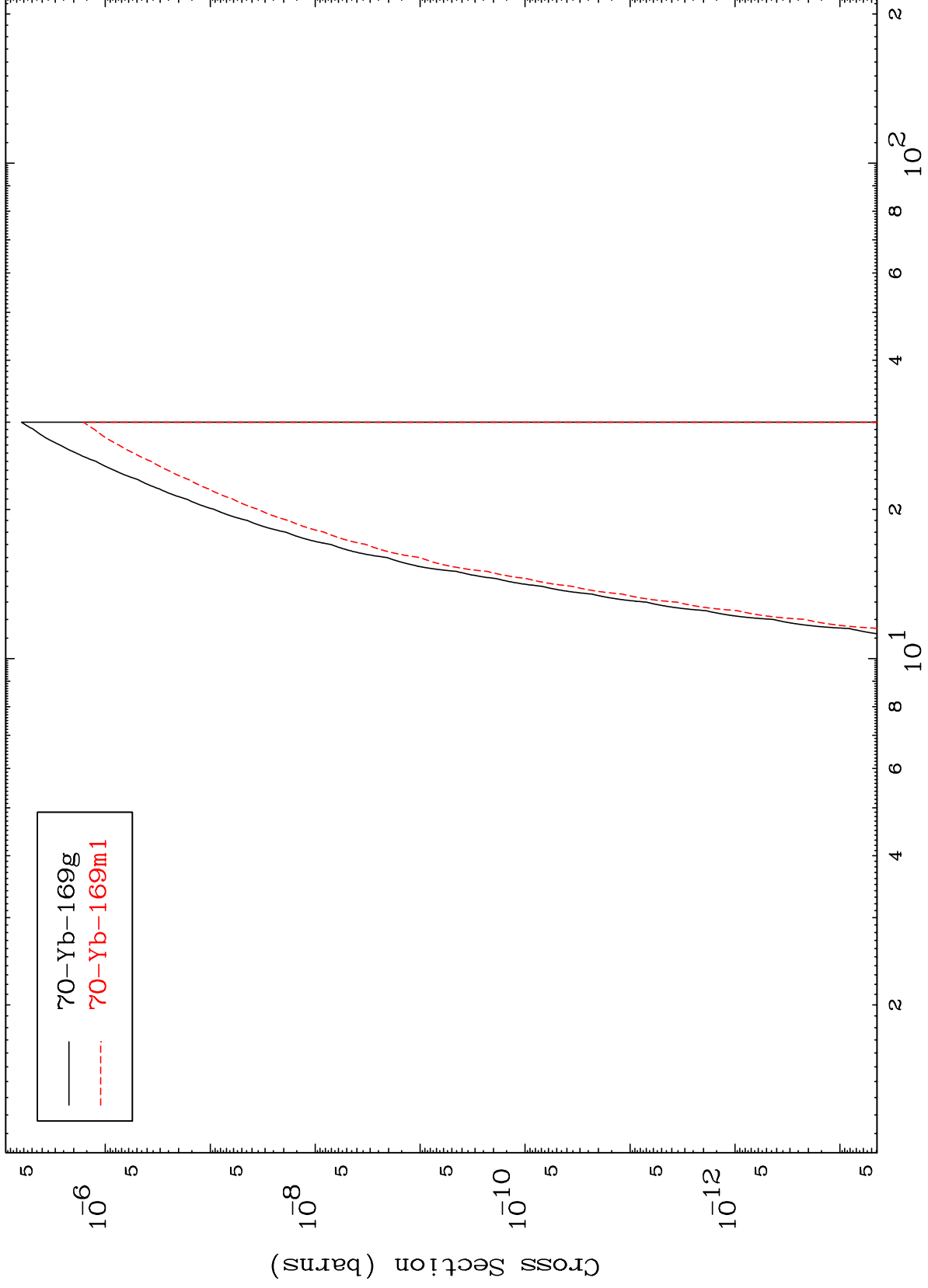


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(n,n') p  $\alpha$

73-Ta-174

Radionuclide Production Cross Section



40

Incident Energy (MeV)

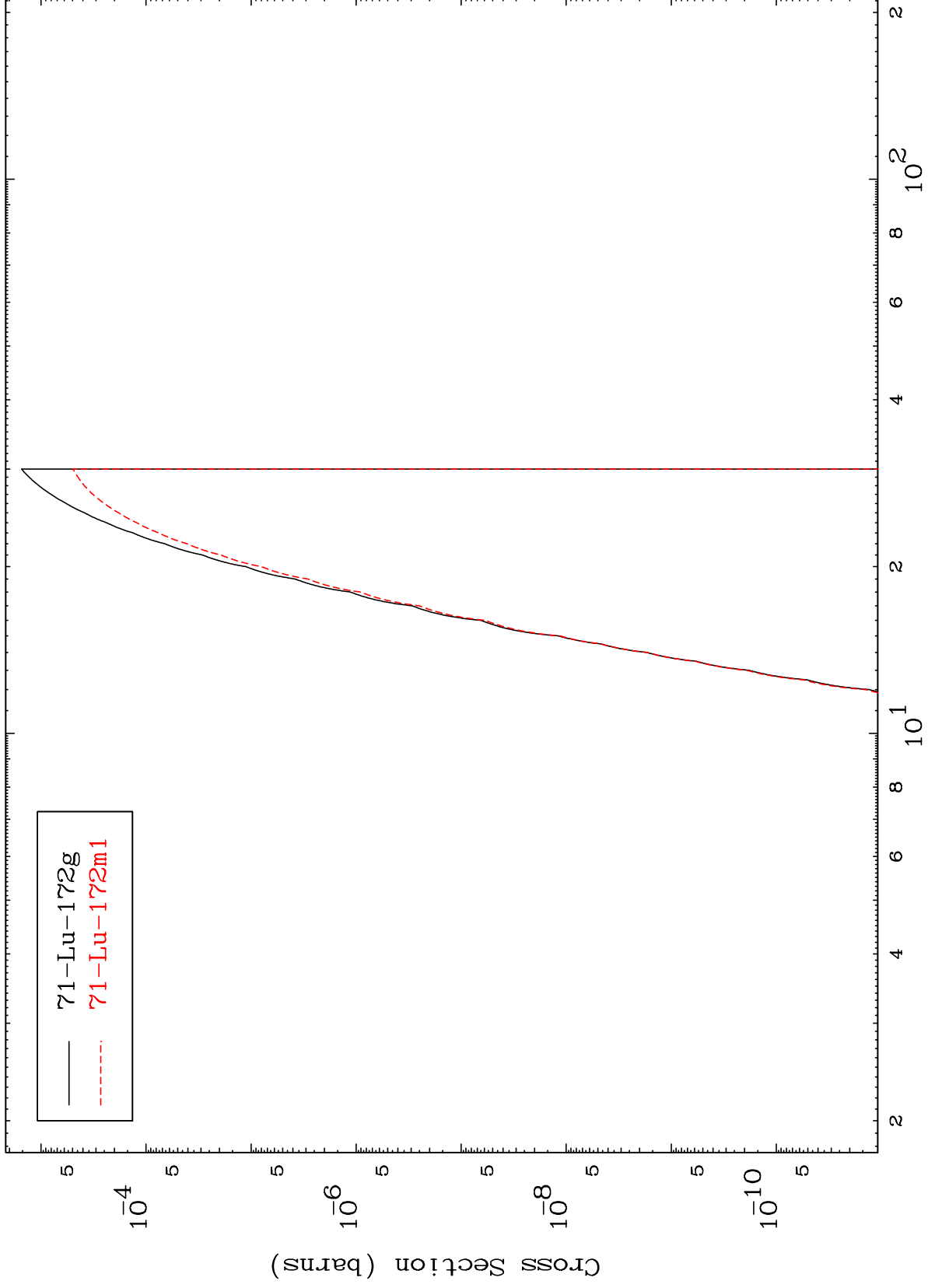
73-Ta-174

MAT 7307

(n,He-3)

73-Ta-174

Radionuclide Production Cross Section



41

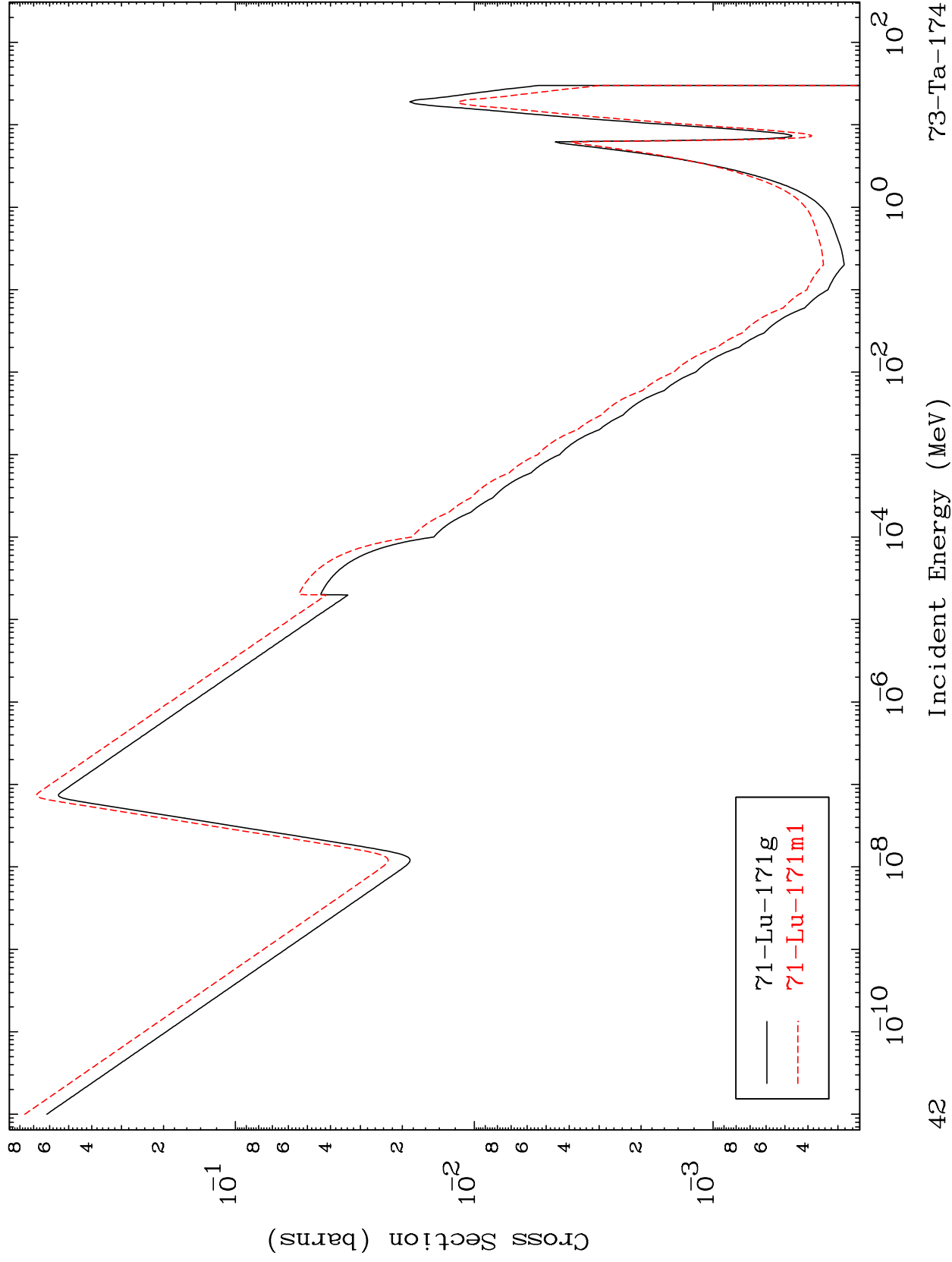
Incident Energy (MeV)

73-Ta-174

MAT 7307

73-Ta-174

(n,  $\alpha$ )  
Radionuclide Production Cross Section



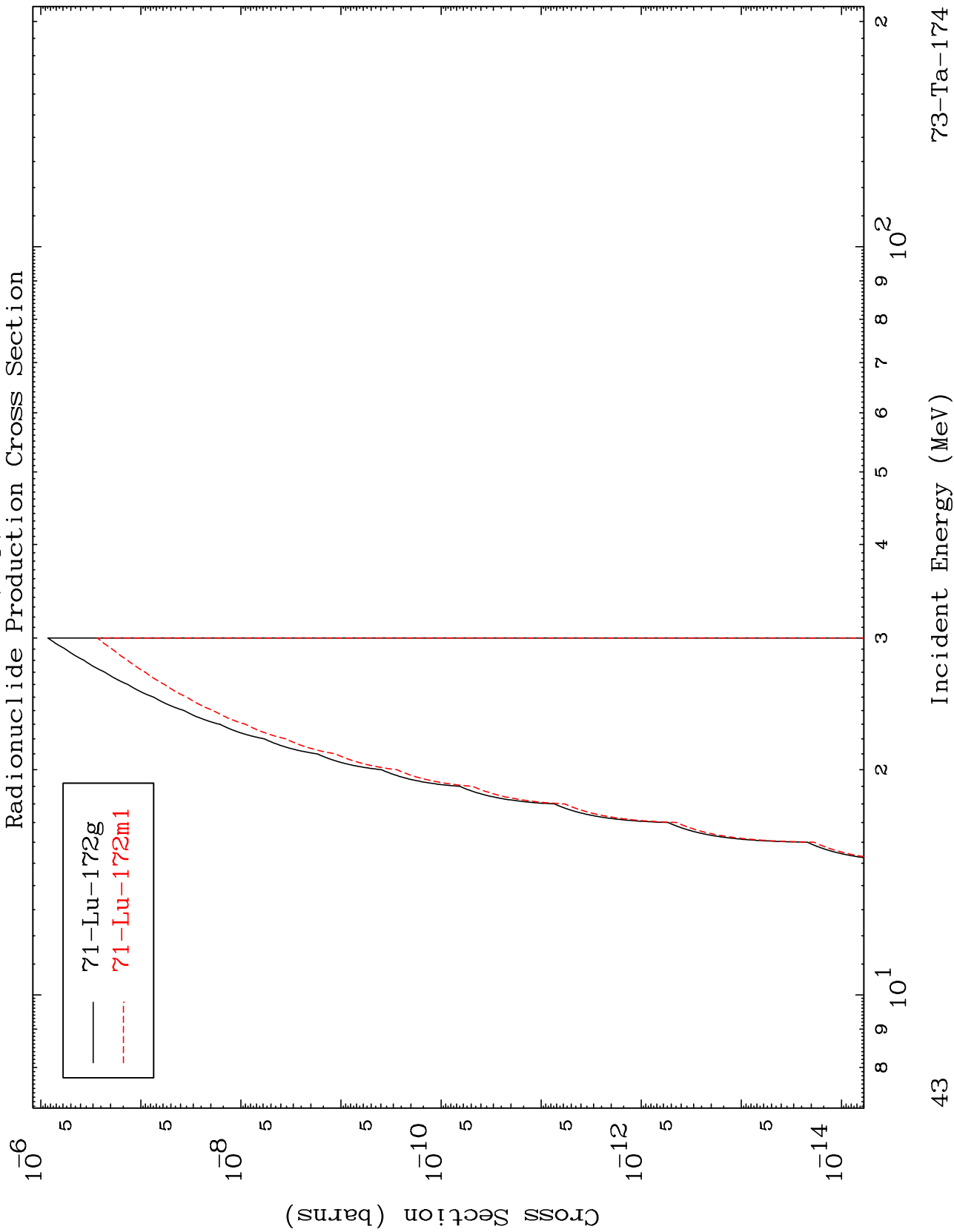
42

73-Ta-174

MAT 7307

(n,p) d

<sup>73</sup>Ta-174

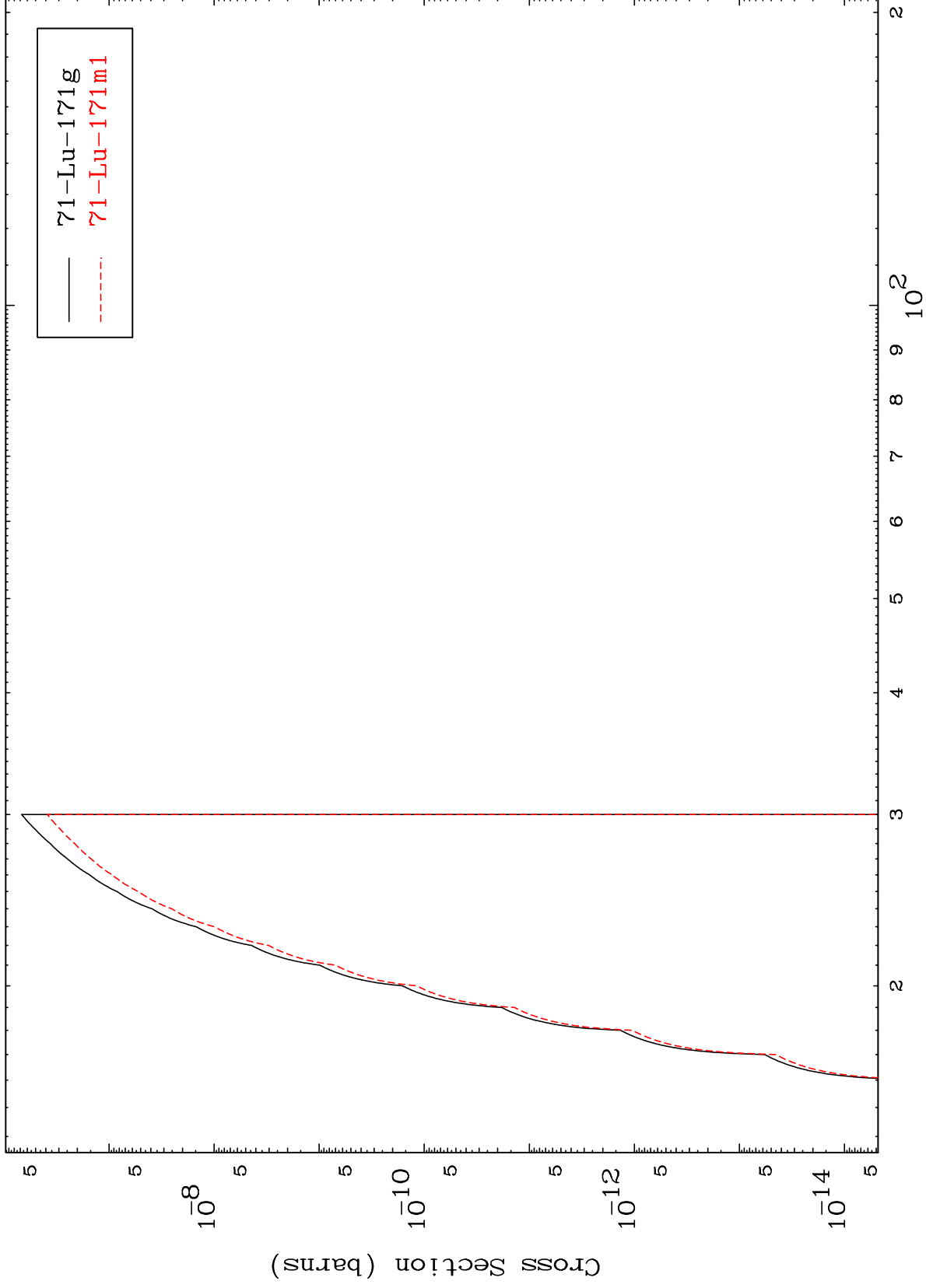


MAT 7307

(n,p) t

73-Ta-174

Radionuclide Production Cross Section



44

Incident Energy (MeV)

73-Ta-174

MAT 7307

(n,d)  $\alpha$

<sup>73</sup>Ta-174

Radionuclide Production Cross Section

