

Program EVALPLOT  
(Version 2015-2)

by

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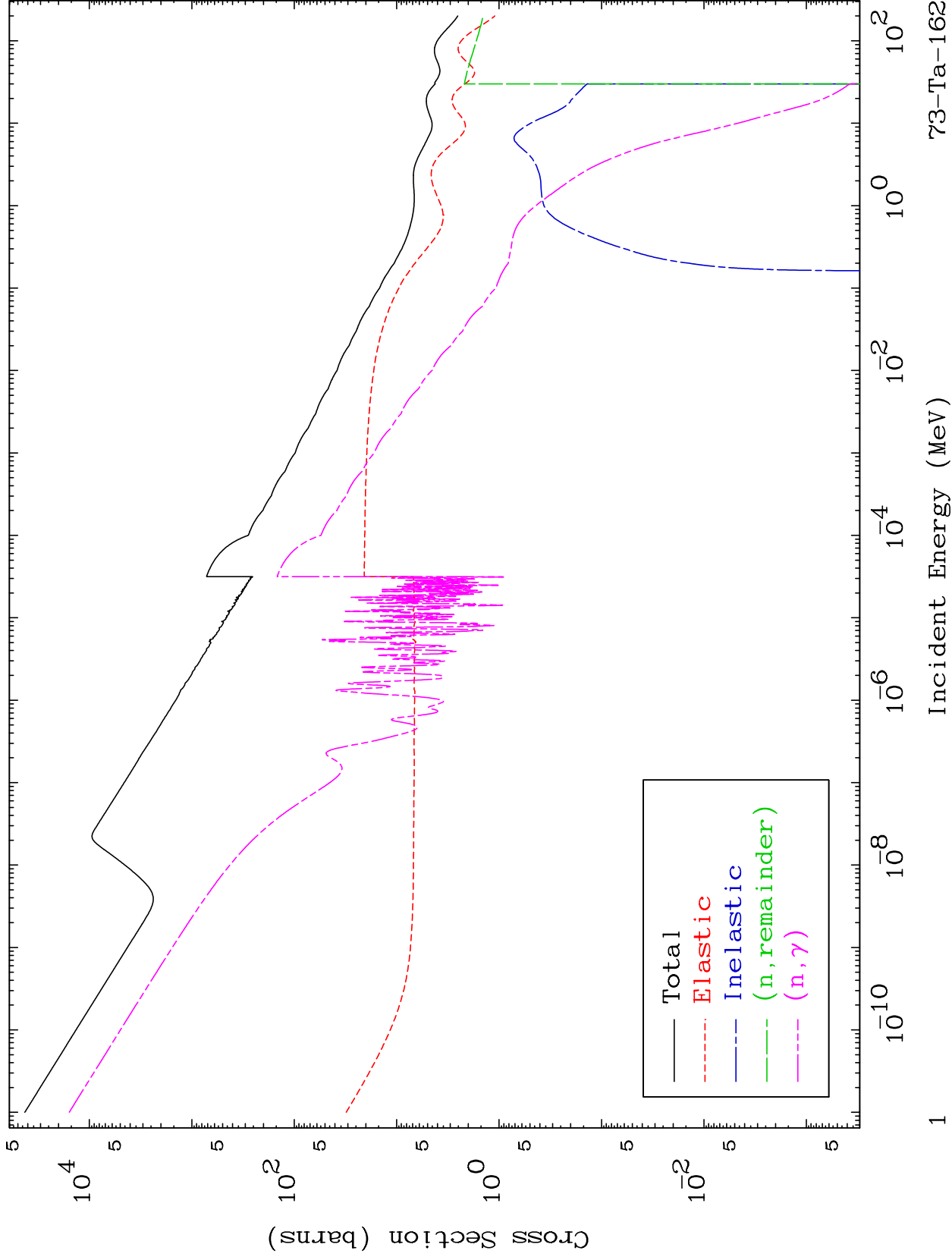
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7271

Major  
293 Kelvin Cross Sections

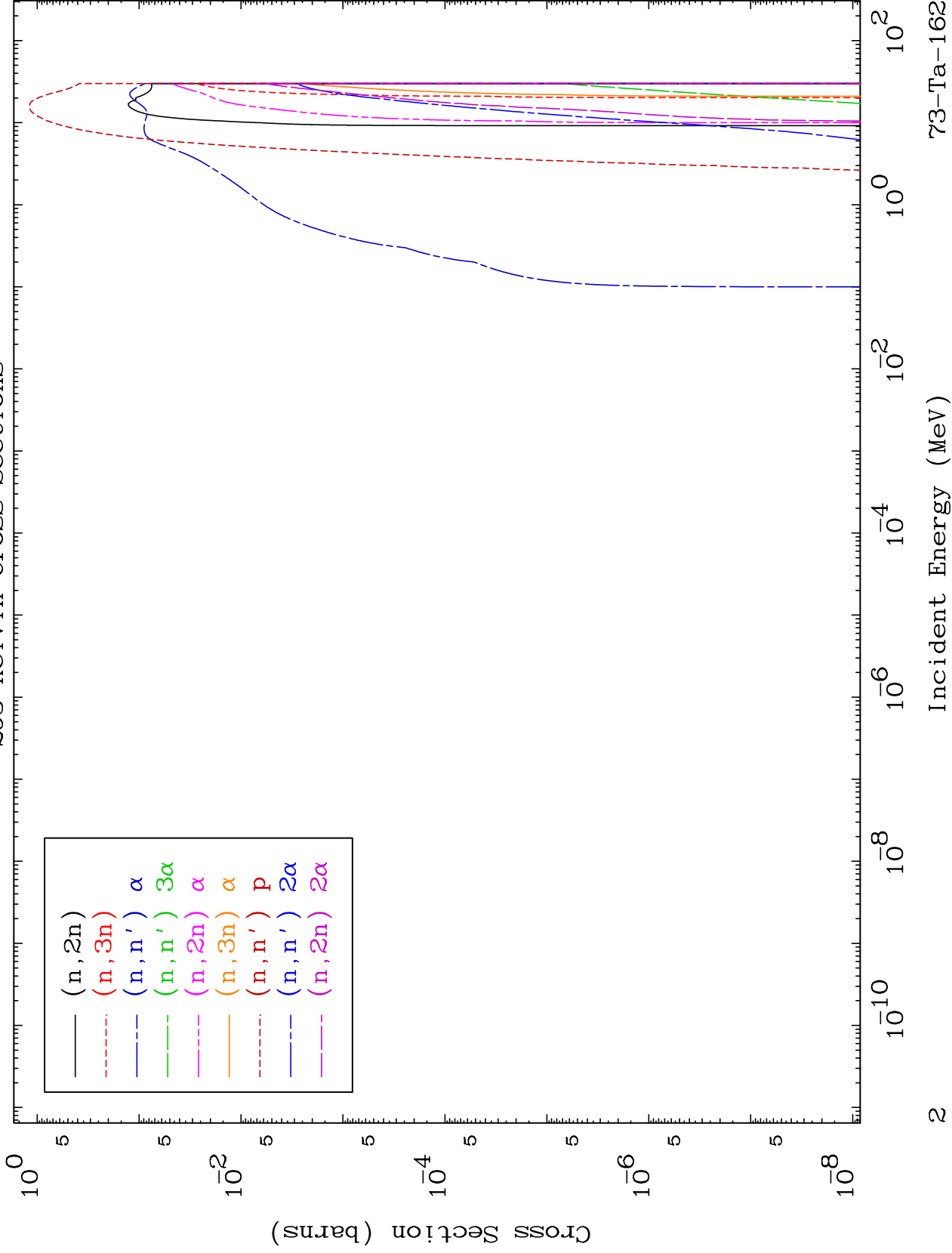
73-Ta-162



MAT 7271

Neutron Production  
293 Kelvin Cross Sections

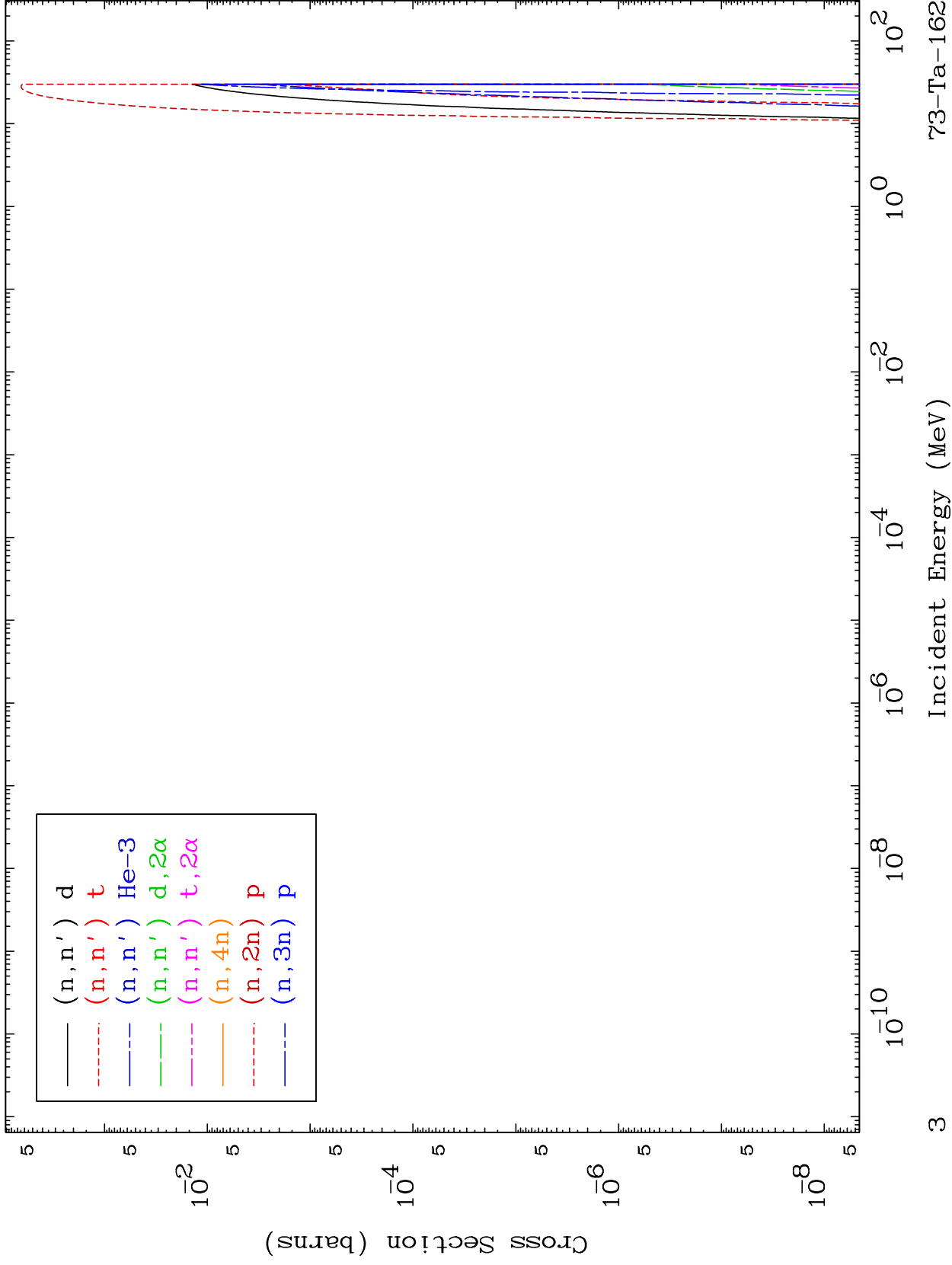
73-Ta-162



MAT 7271

Neutron Production  
293 Kelvin Cross Sections

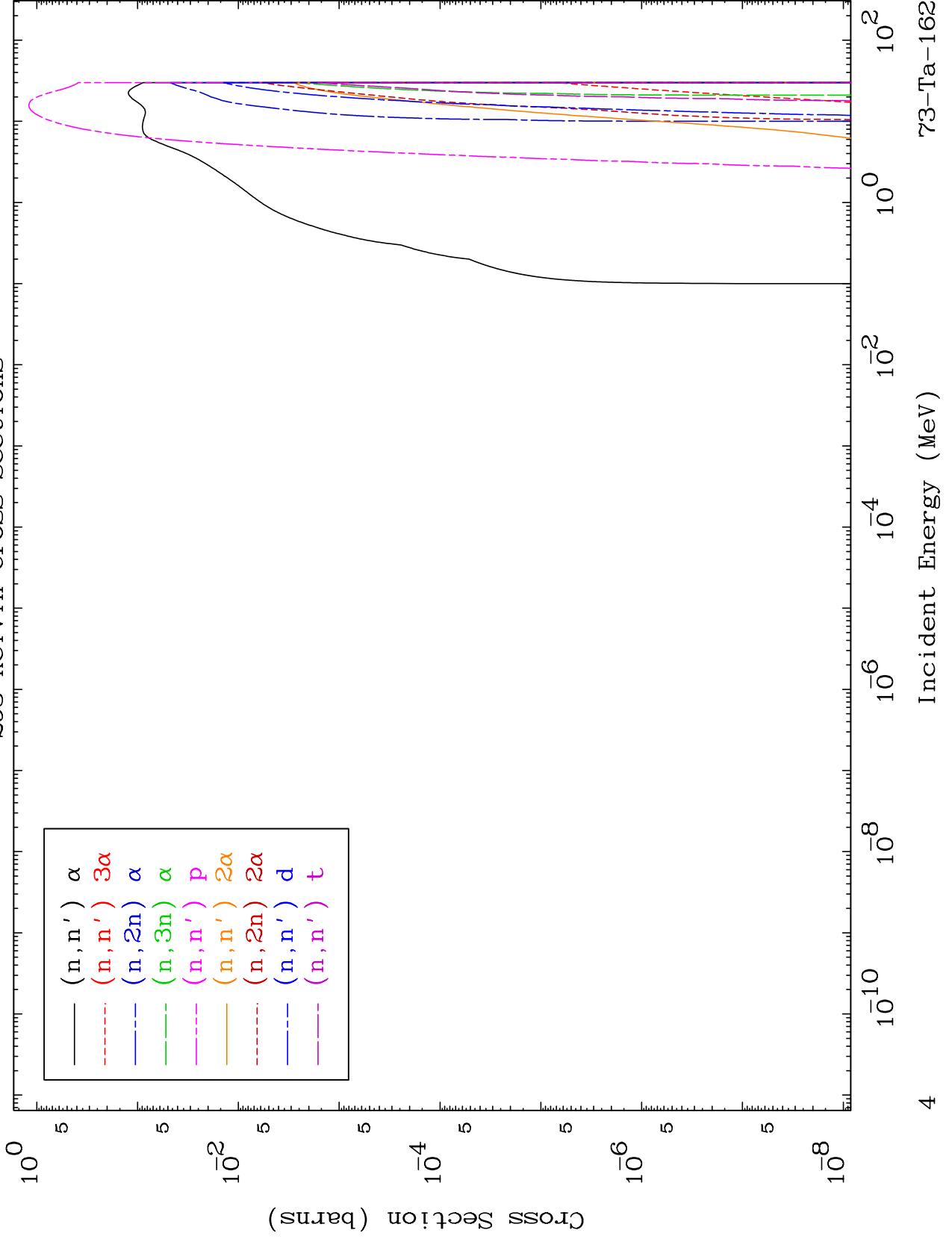
73-Ta-162



MAT 7271

Charged Particle  
293 Kelvin Cross Sections

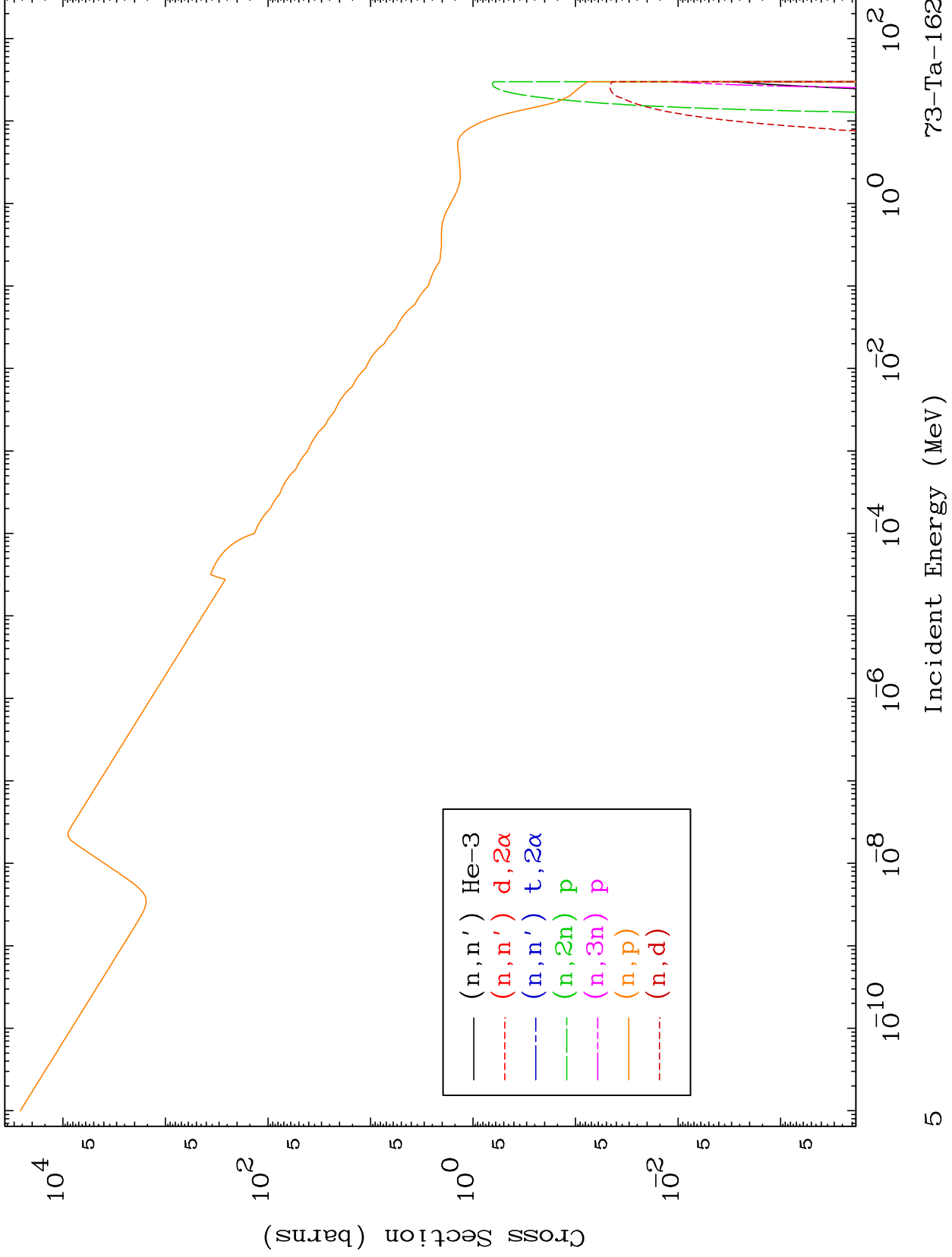
73-Ta-162



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Charged Particle  
293 Kelvin Cross Sections

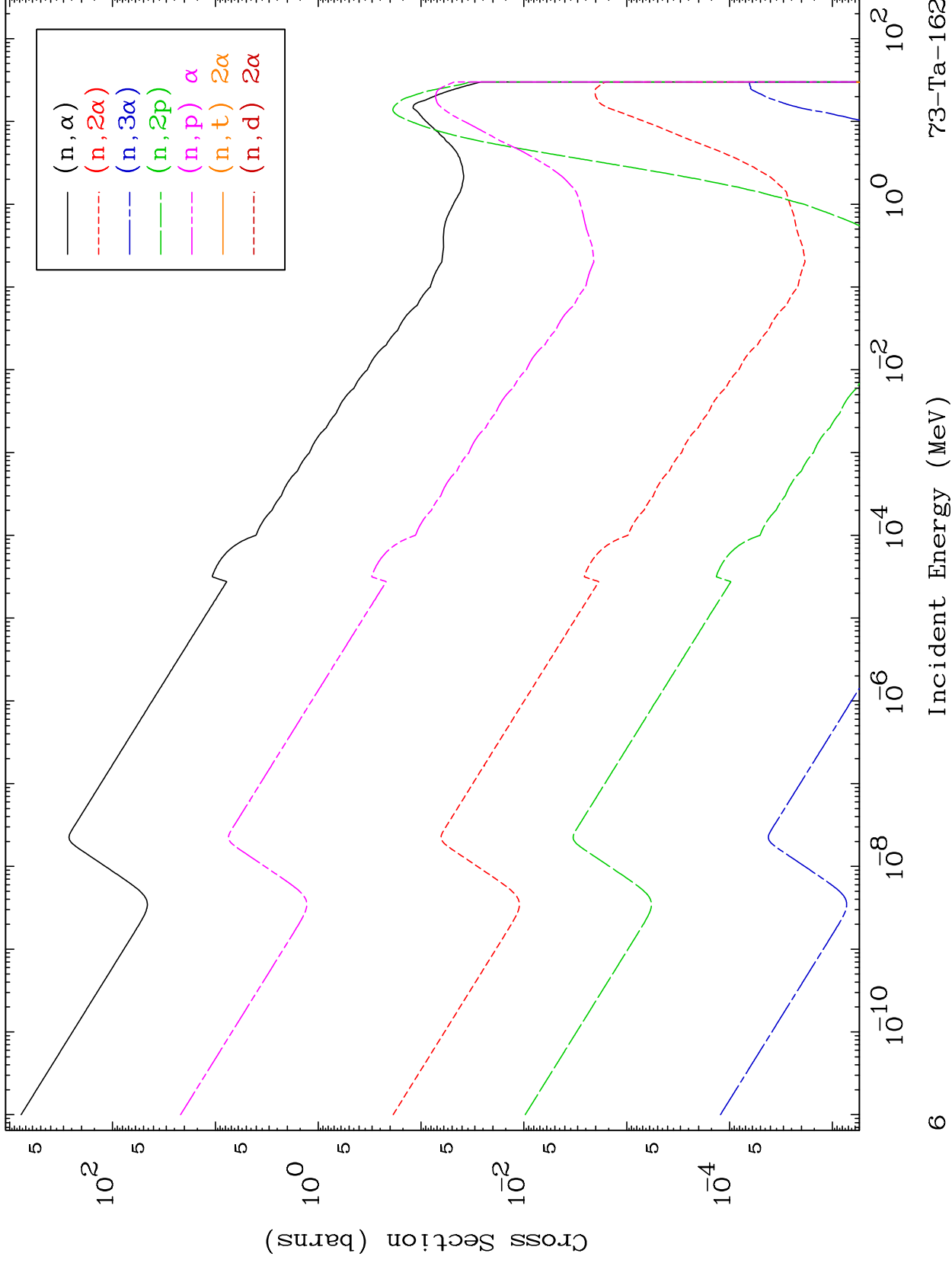
73-Ta-162



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Charged Particle  
293 Kelvin Cross Sections

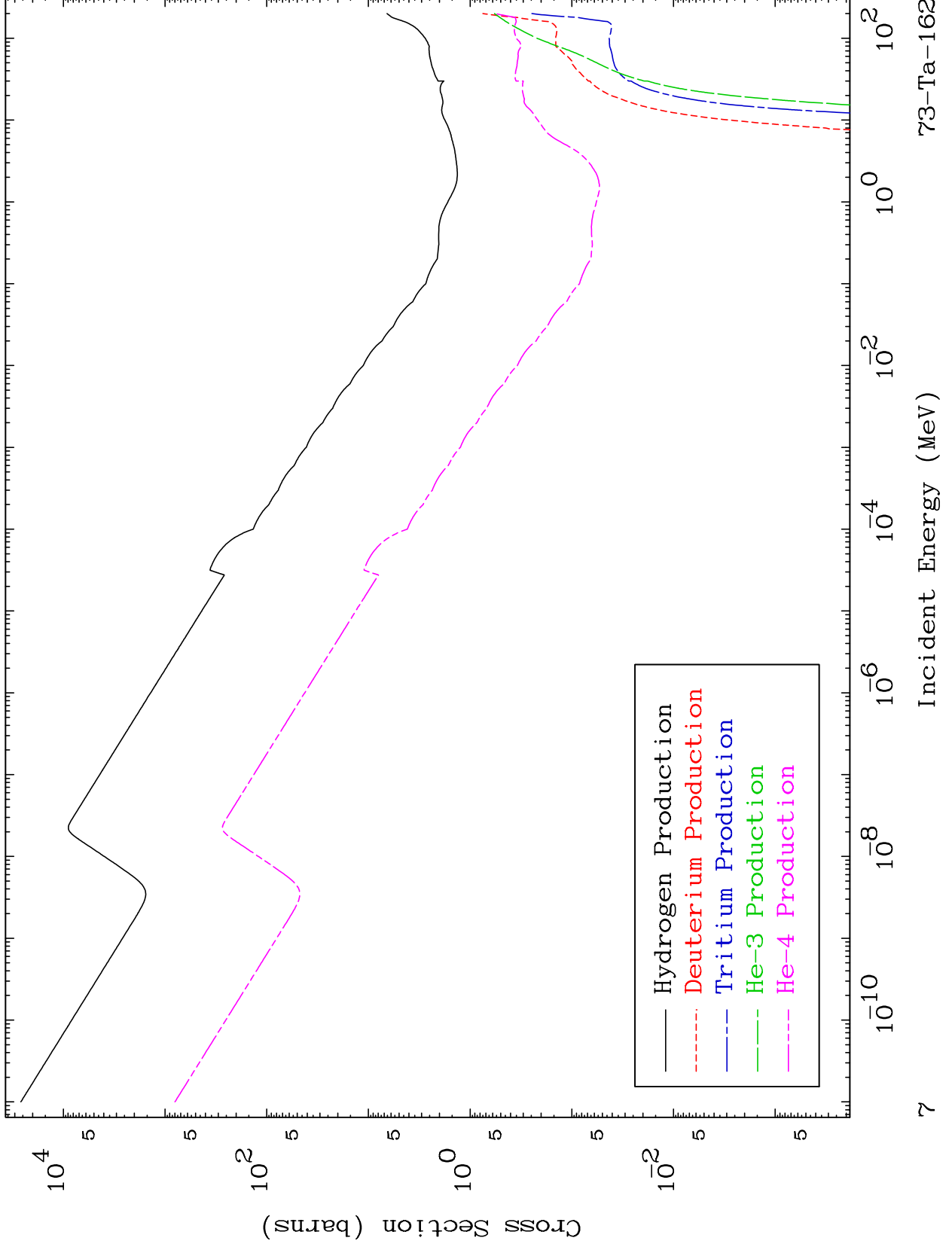
73-Ta-162



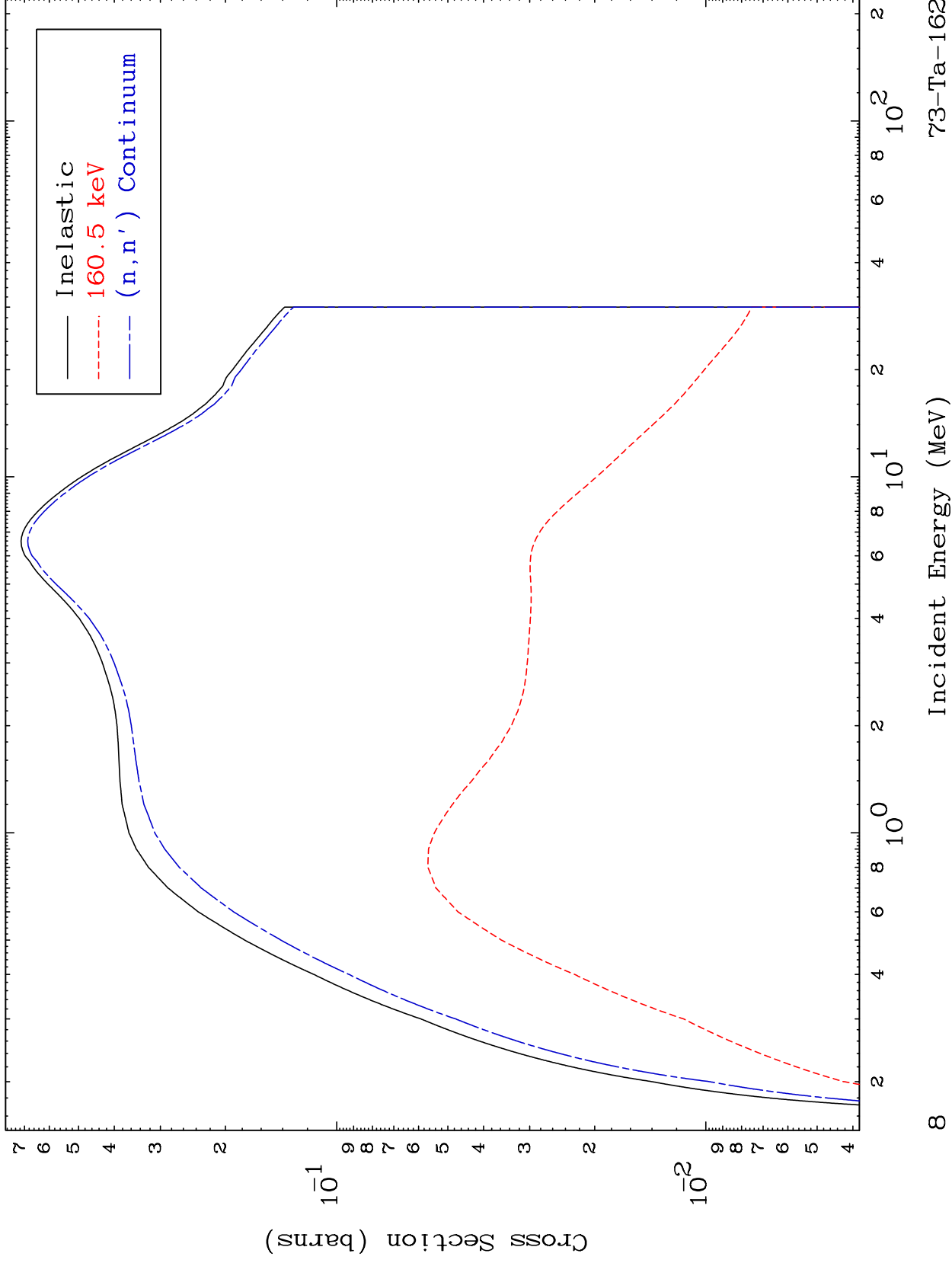
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Particle Production  
293 Kelvin Cross Sections

73-Ta-162



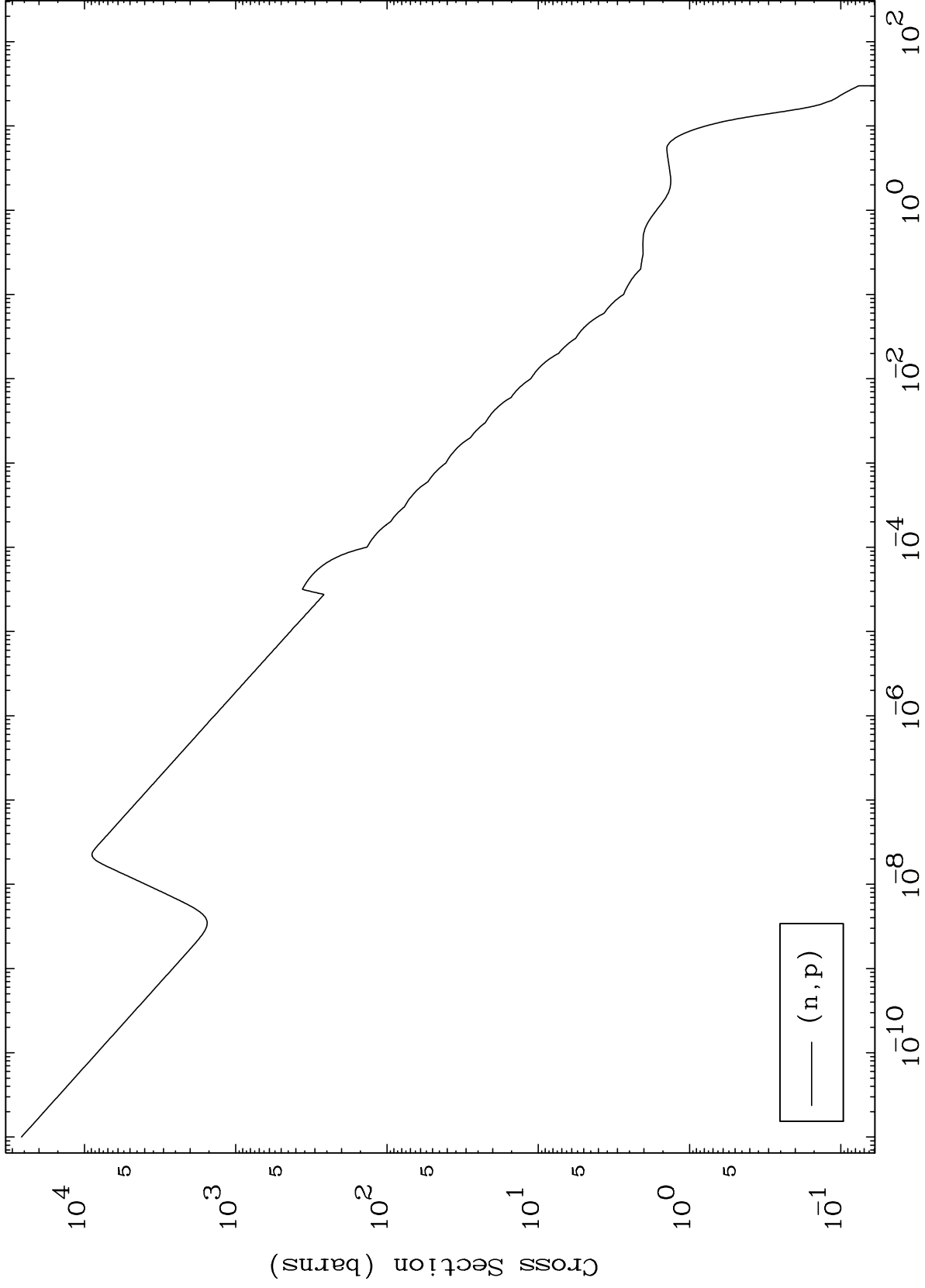




MAT 7271

(n,p) Levels  
293 Kelvin Cross Sections

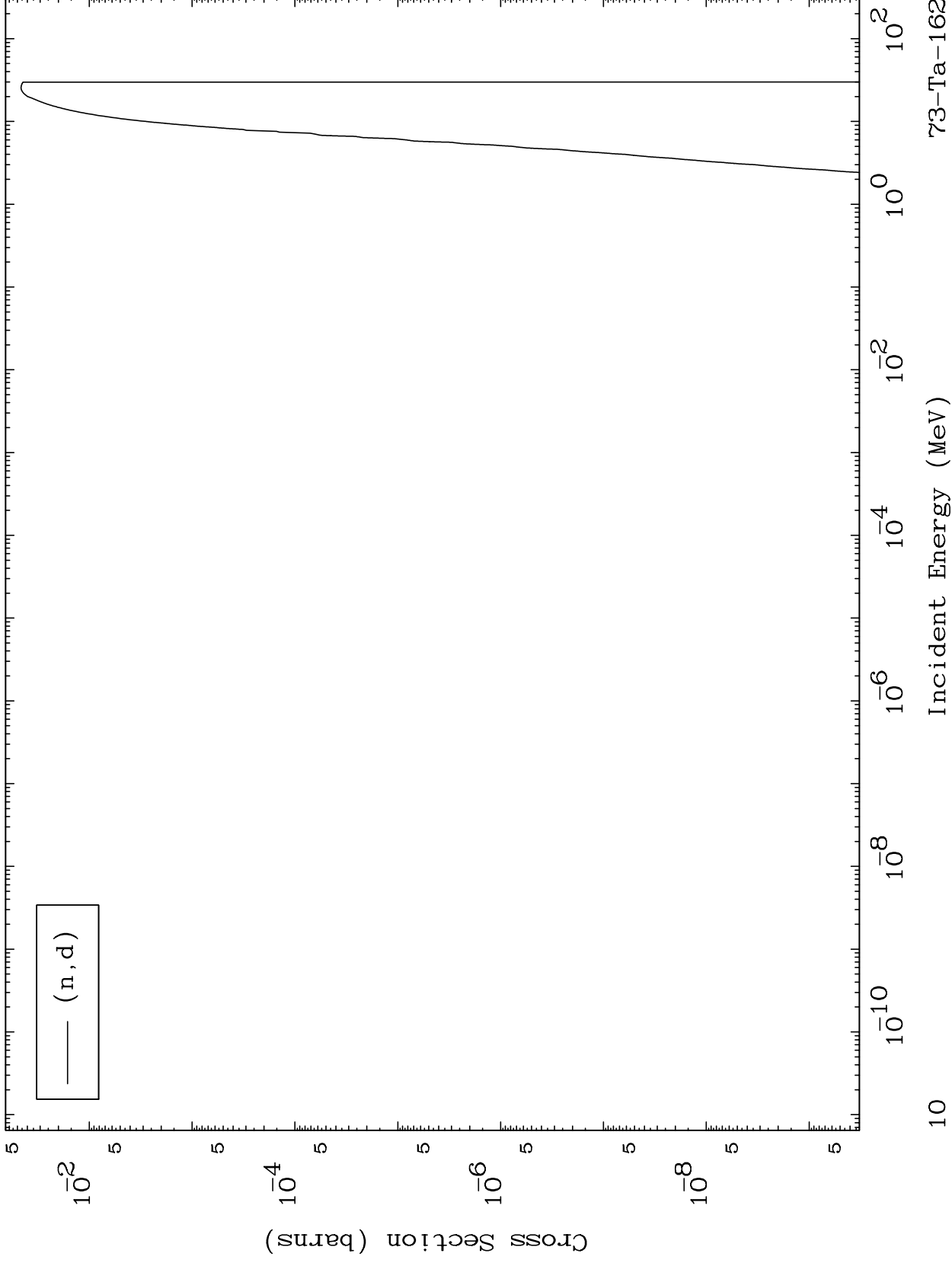
73-Ta-162



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(n,d) Levels  
293 Kelvin Cross Sections

73-Ta-162



10

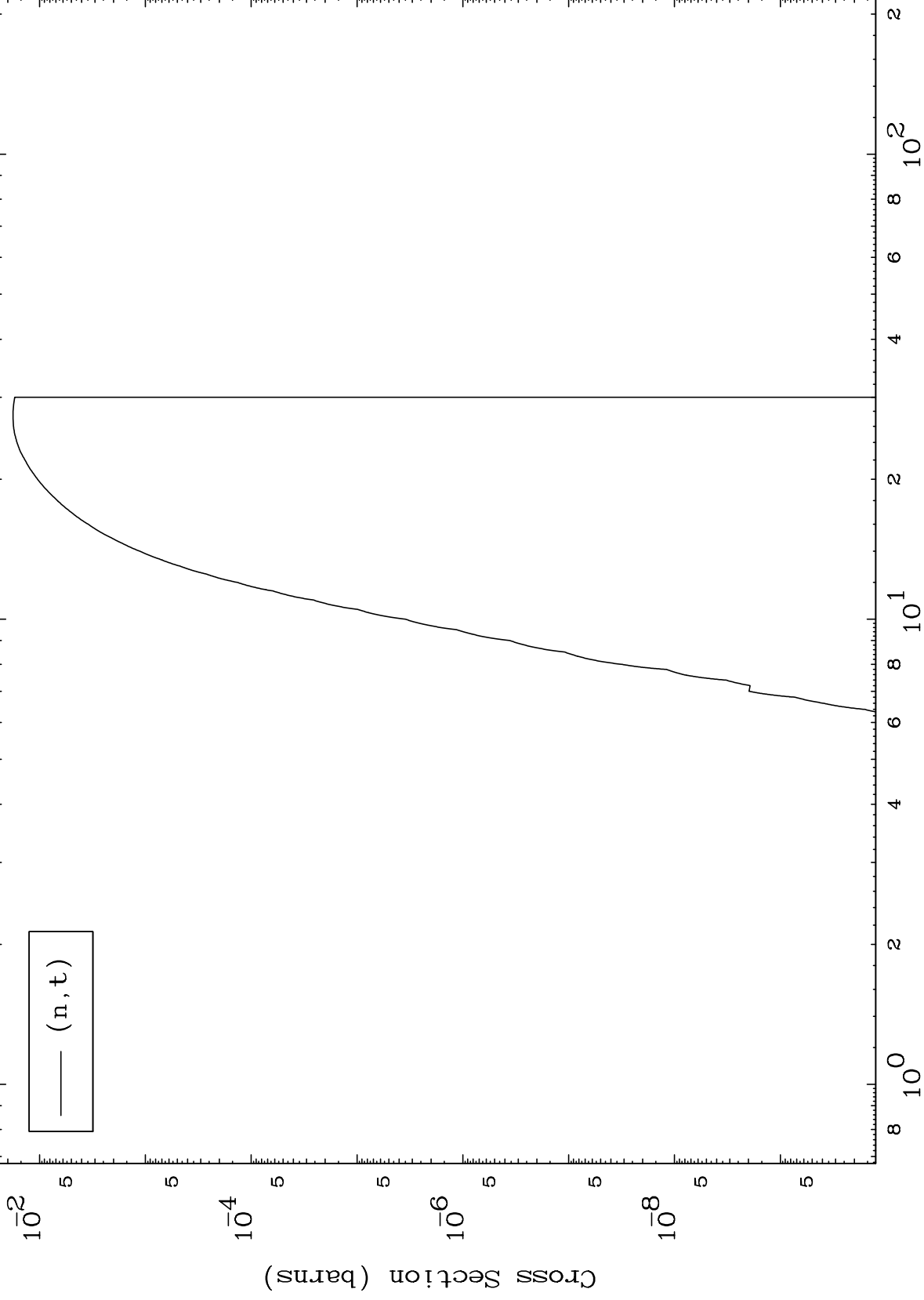
Incident Energy (MeV)

73-Ta-162

MAT 7271

(n,t) Levels  
293 Kelvin Cross Sections

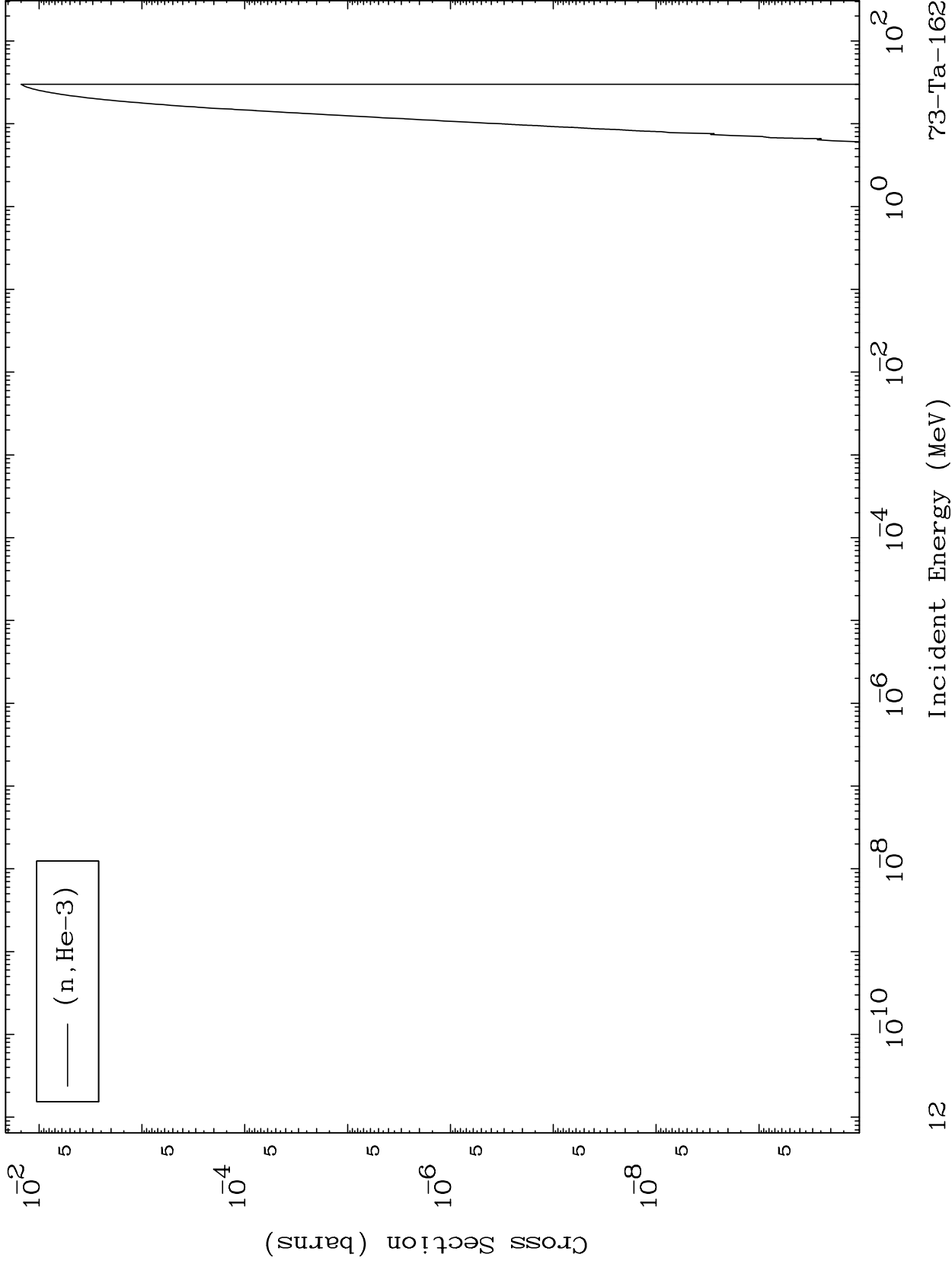
73-Ta-162



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(n,He3) Levels  
293 Kelvin Cross Sections

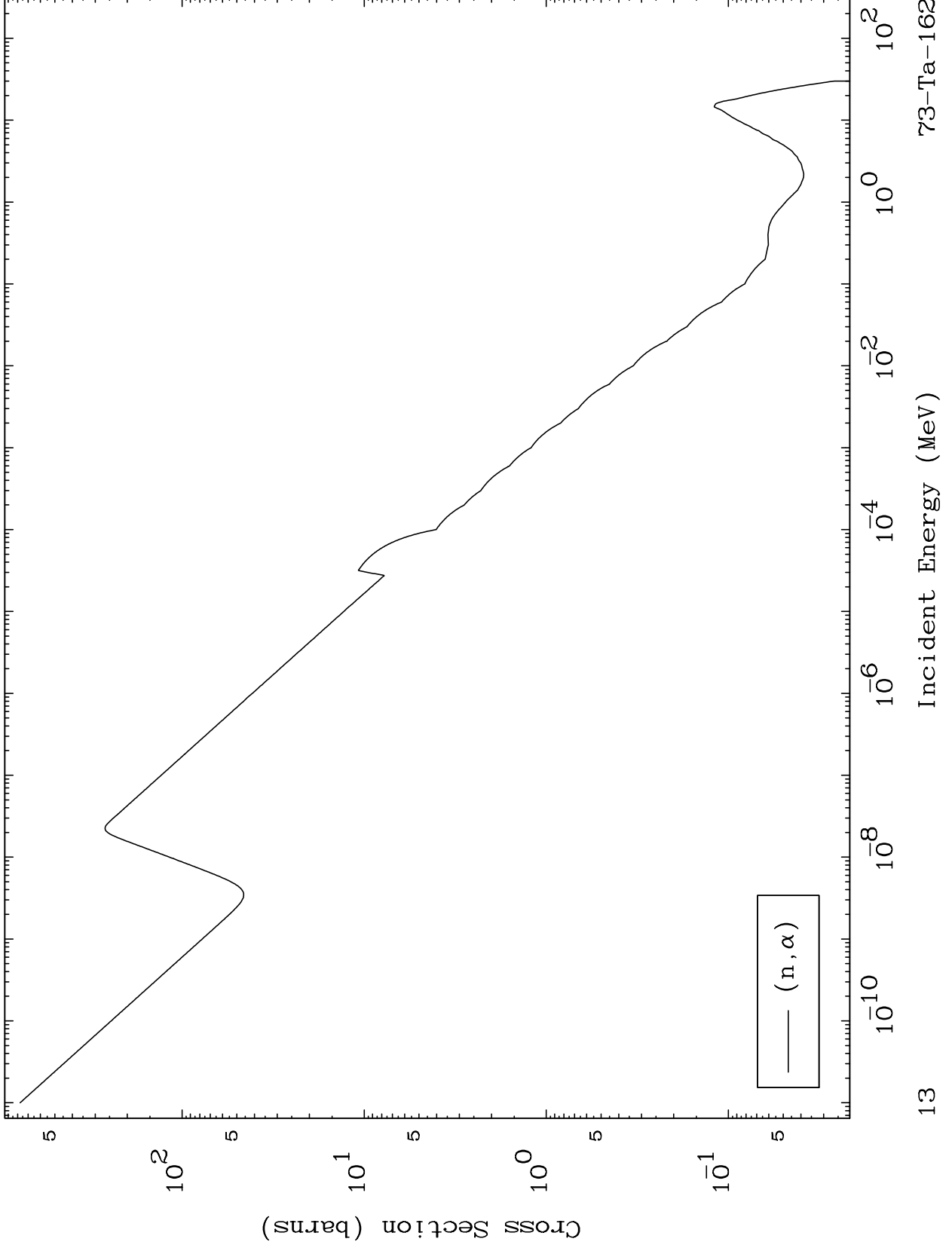
73-Ta-162

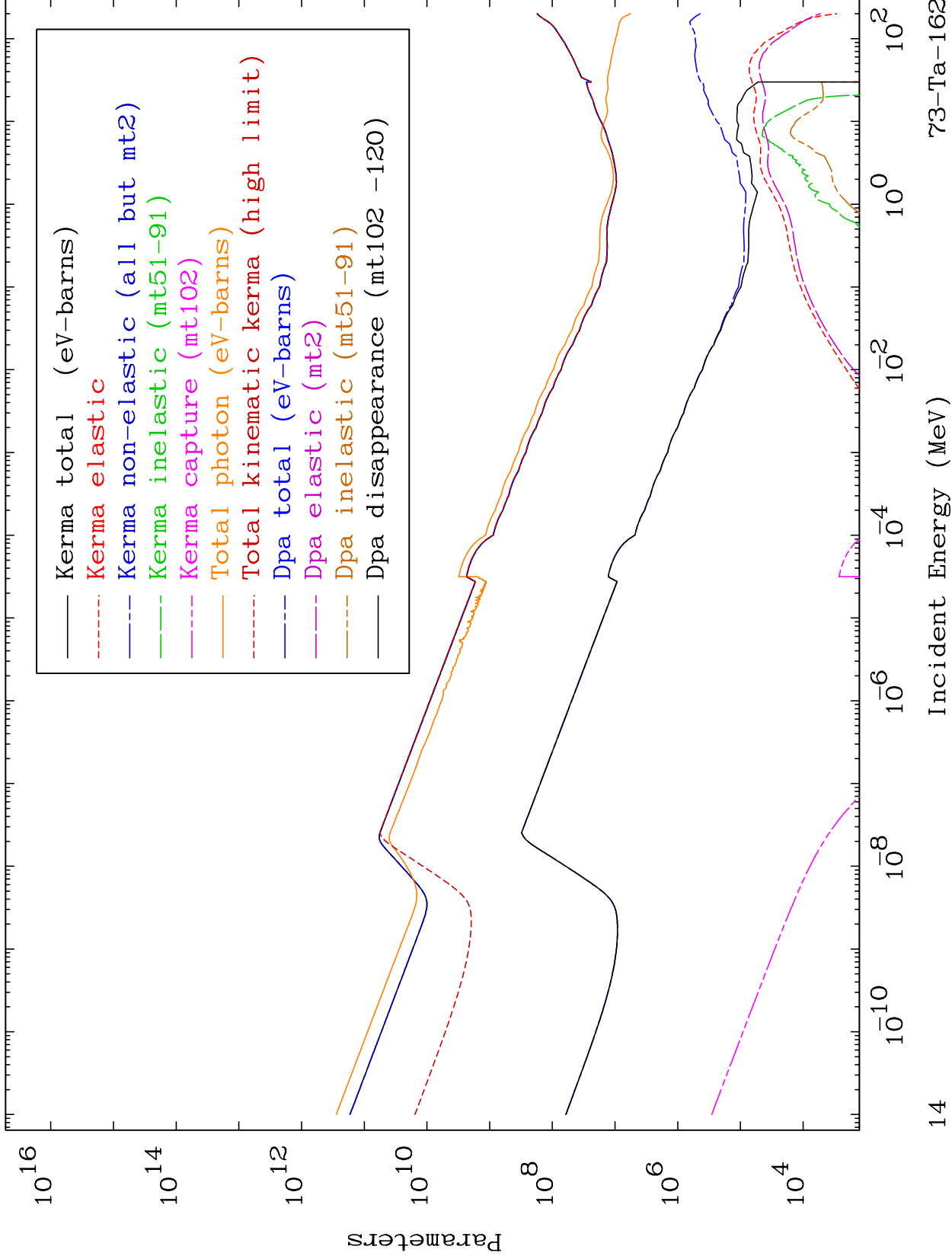


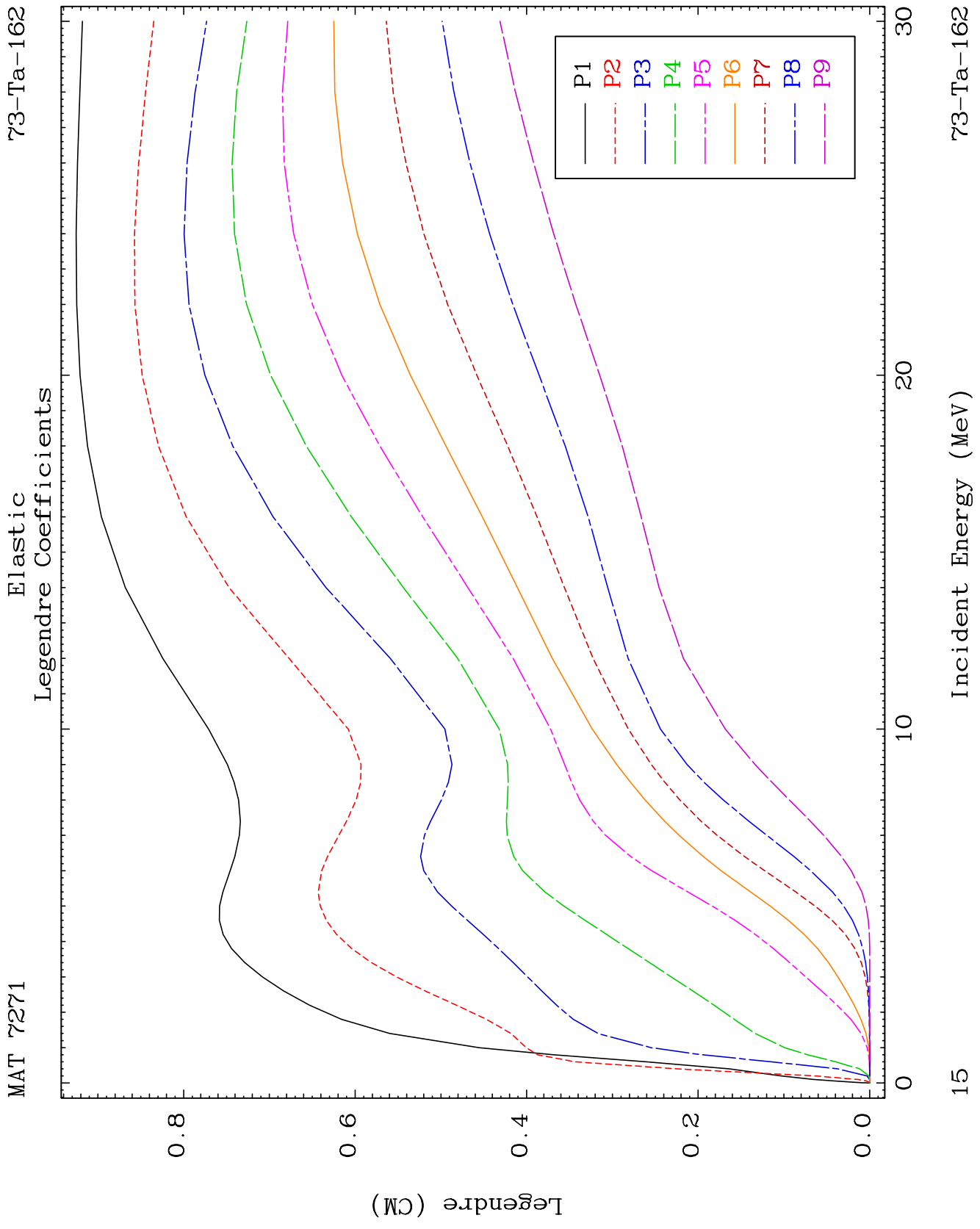
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(n,α) Levels  
293 Kelvin Cross Sections

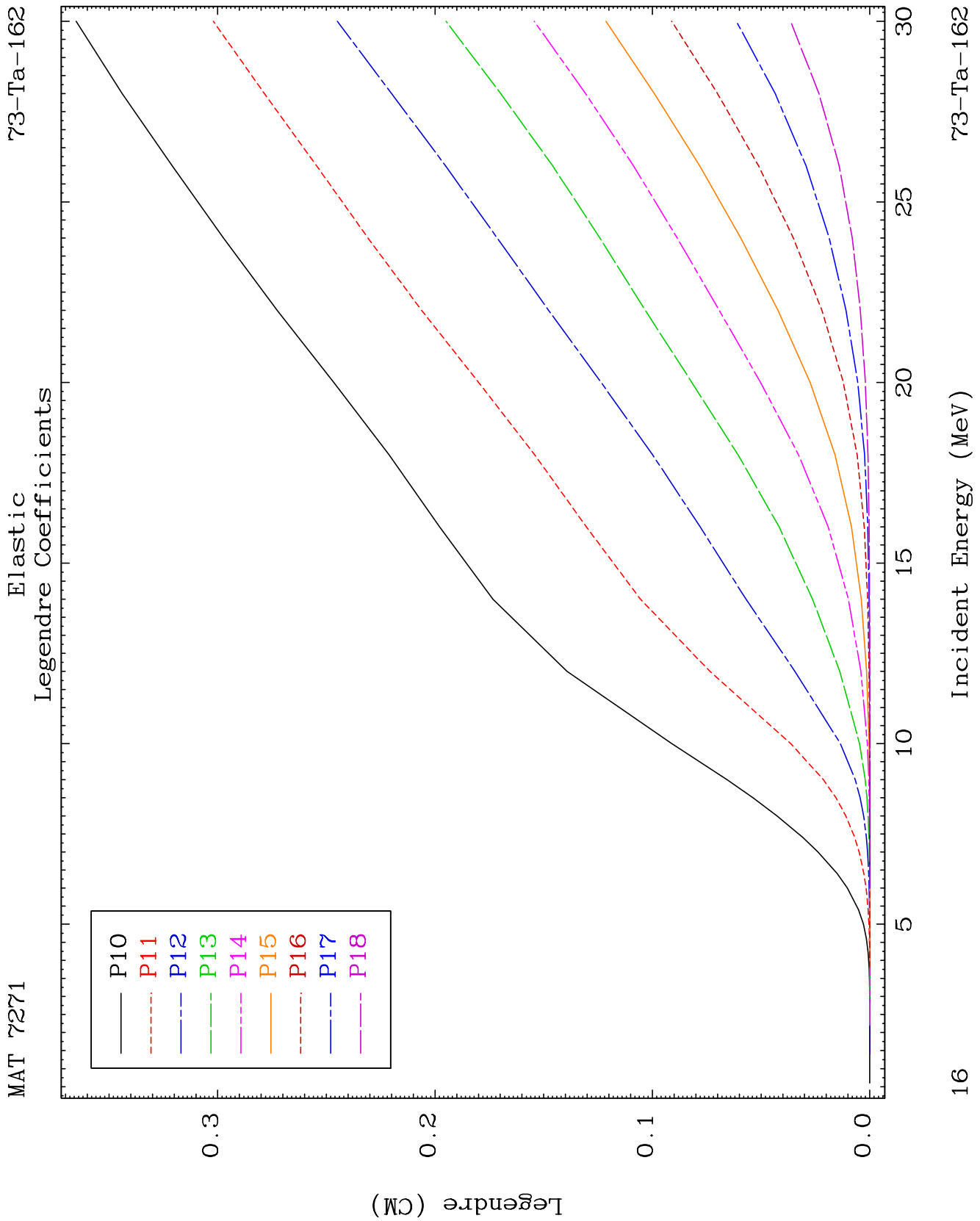
73-Ta-162







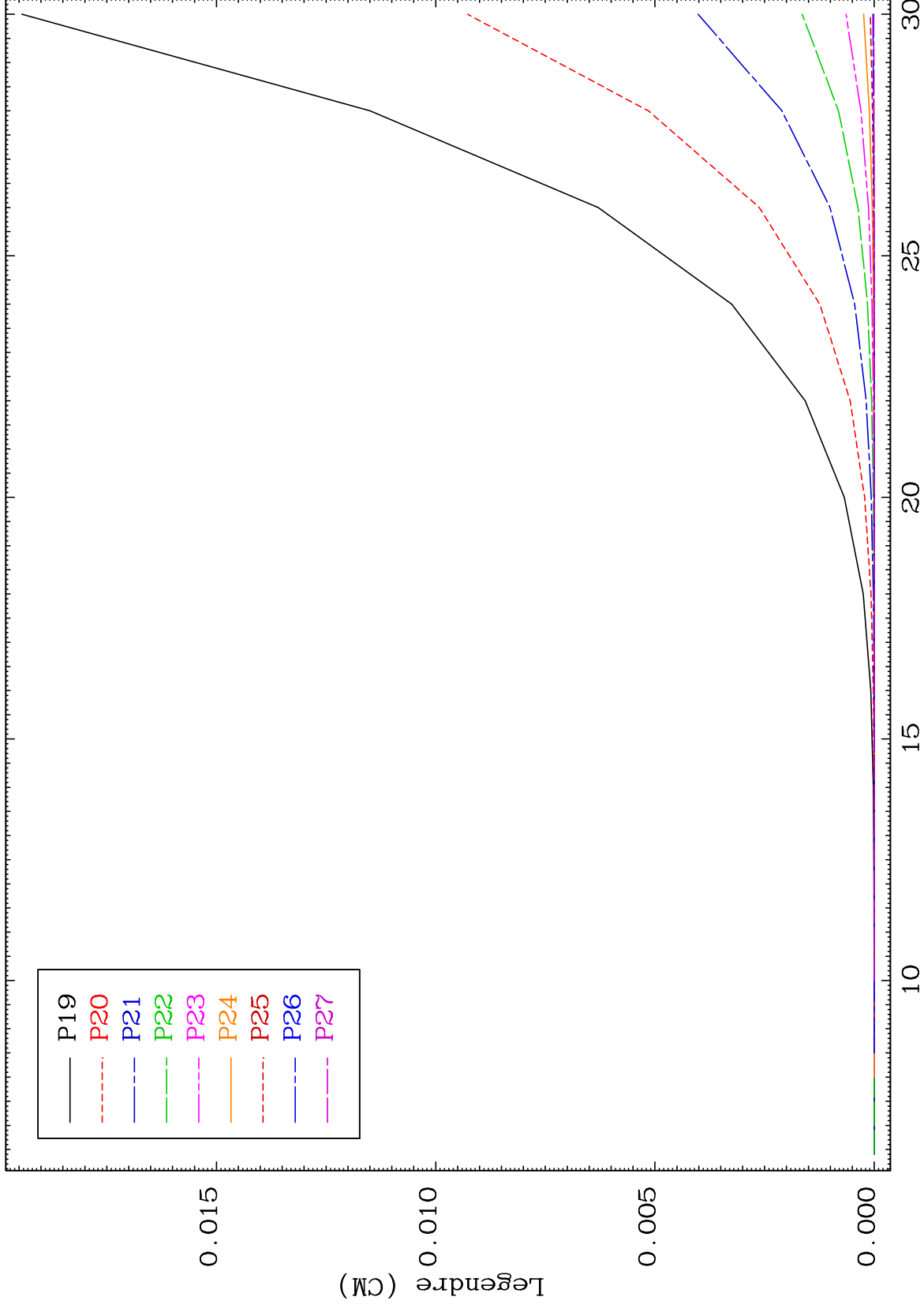




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Elastic  
Legendre Coefficients

73-Ta-162



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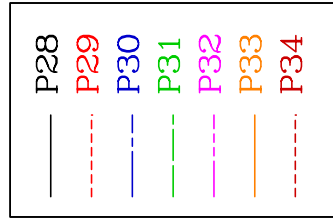
Incident Energy (MeV)

73-Ta-162

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Elastic  
Legendre Coefficients

73-Ta-162



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

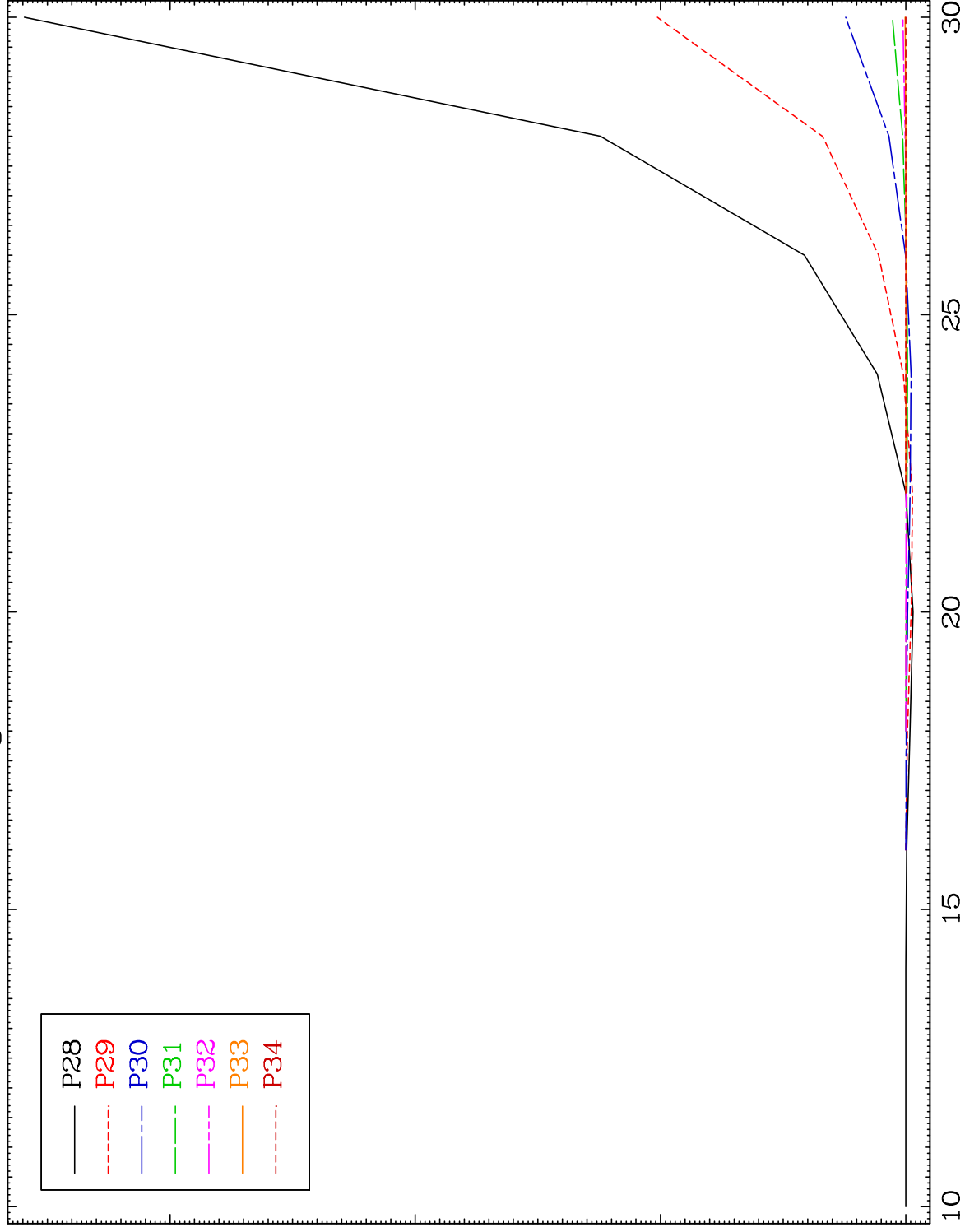
25

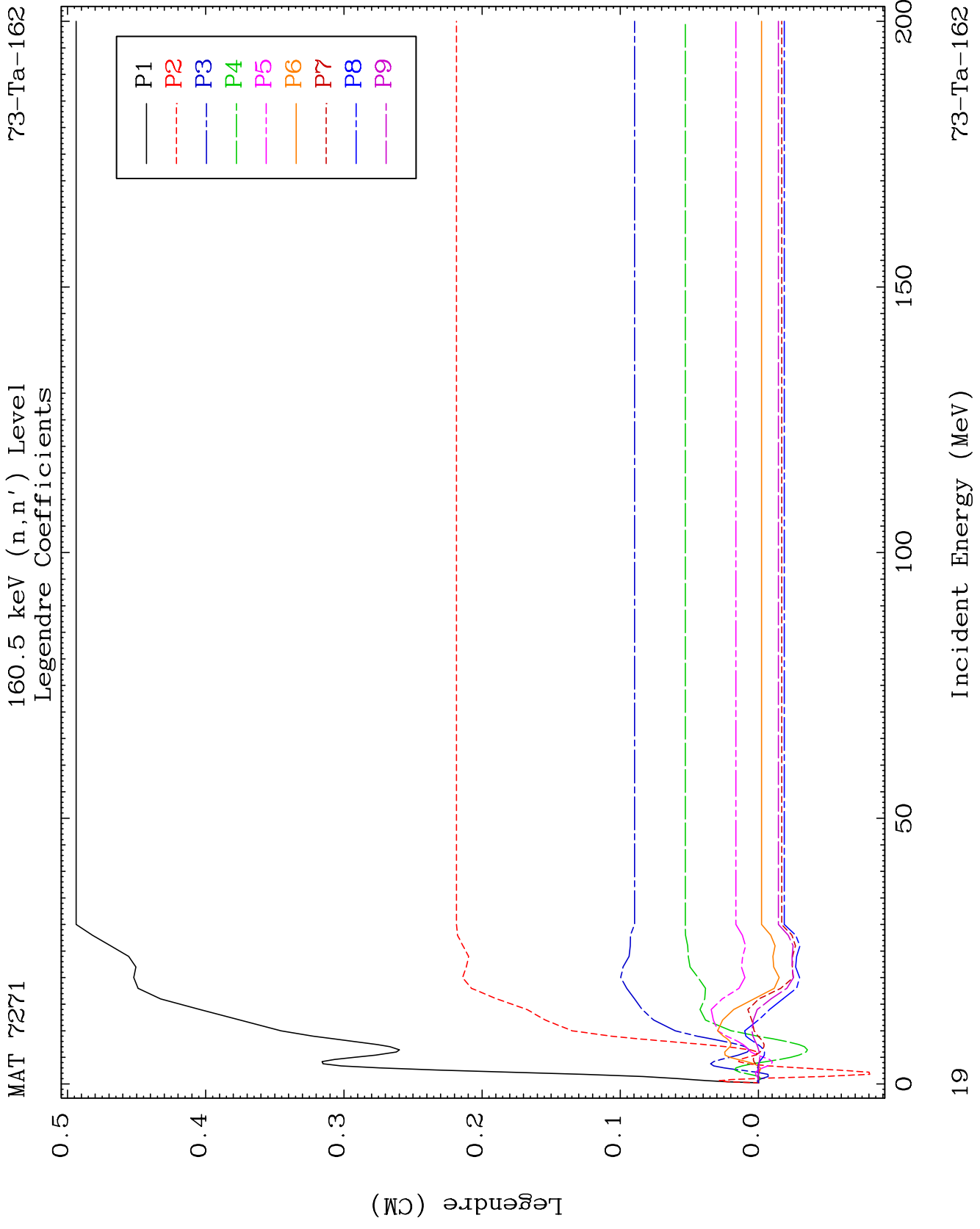
30

18

Incident Energy (MeV)

73-Ta-162

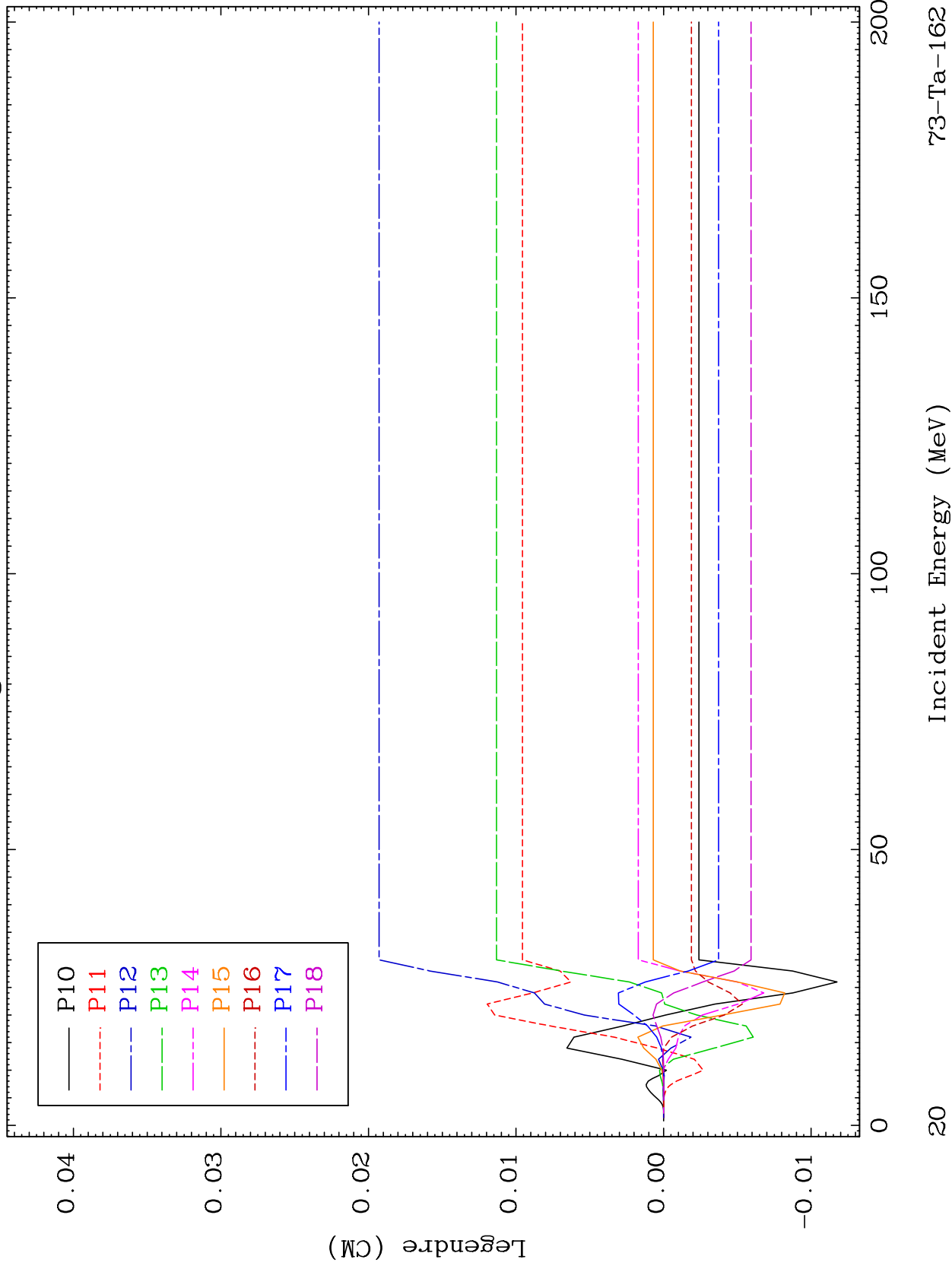




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160.5 keV (n,n') Level  
Legendre Coefficients

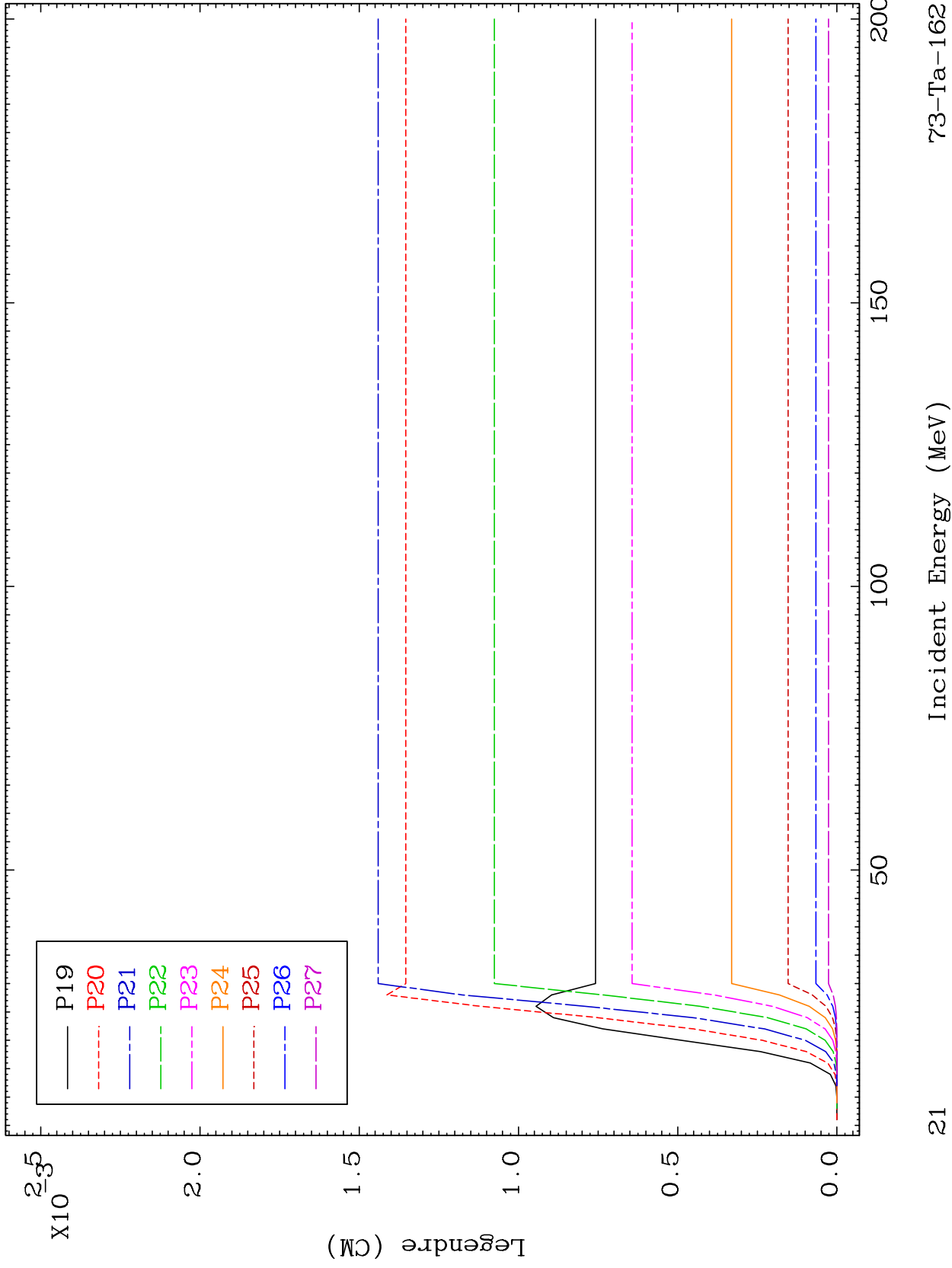
73-Ta-162



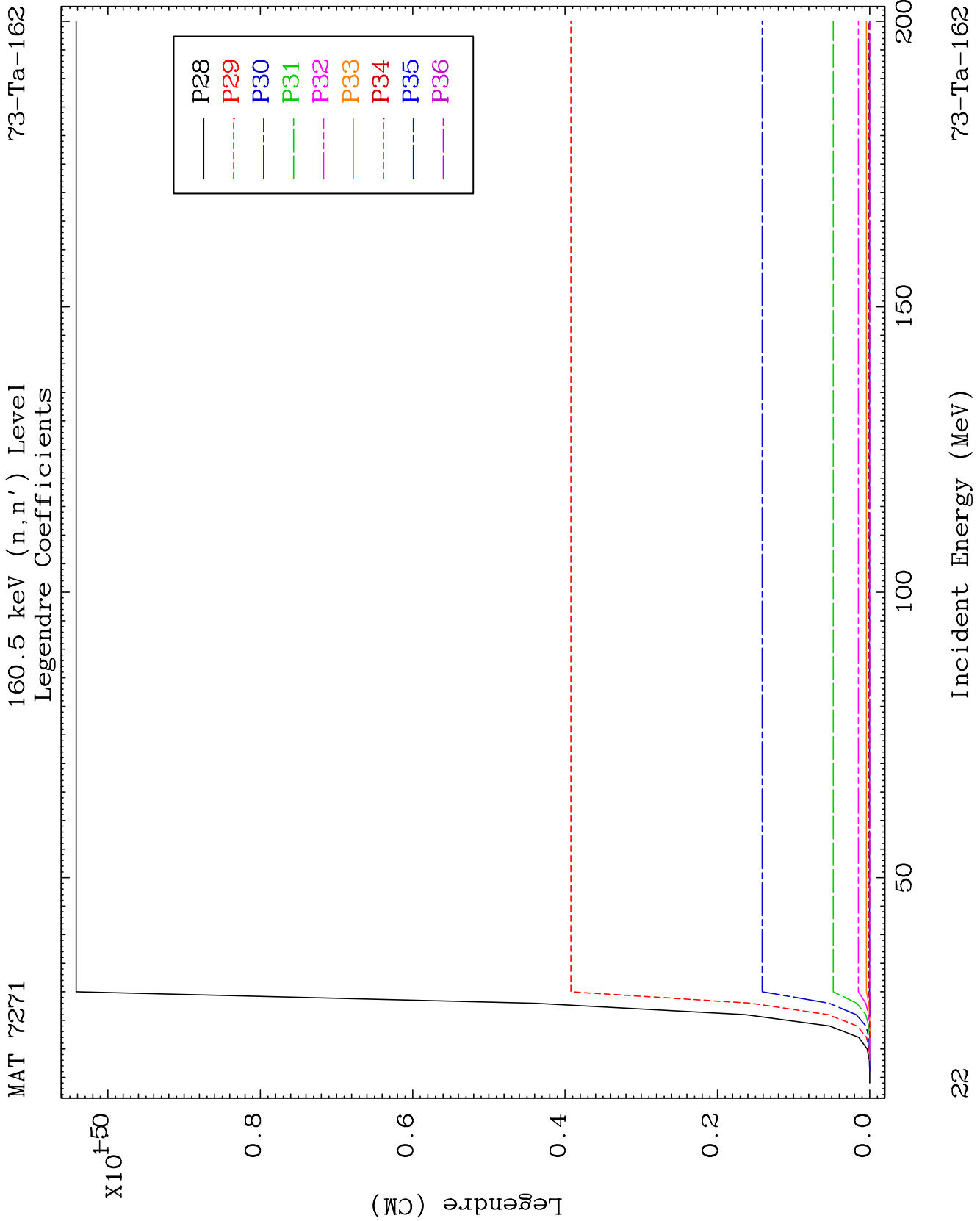
MAT 7271

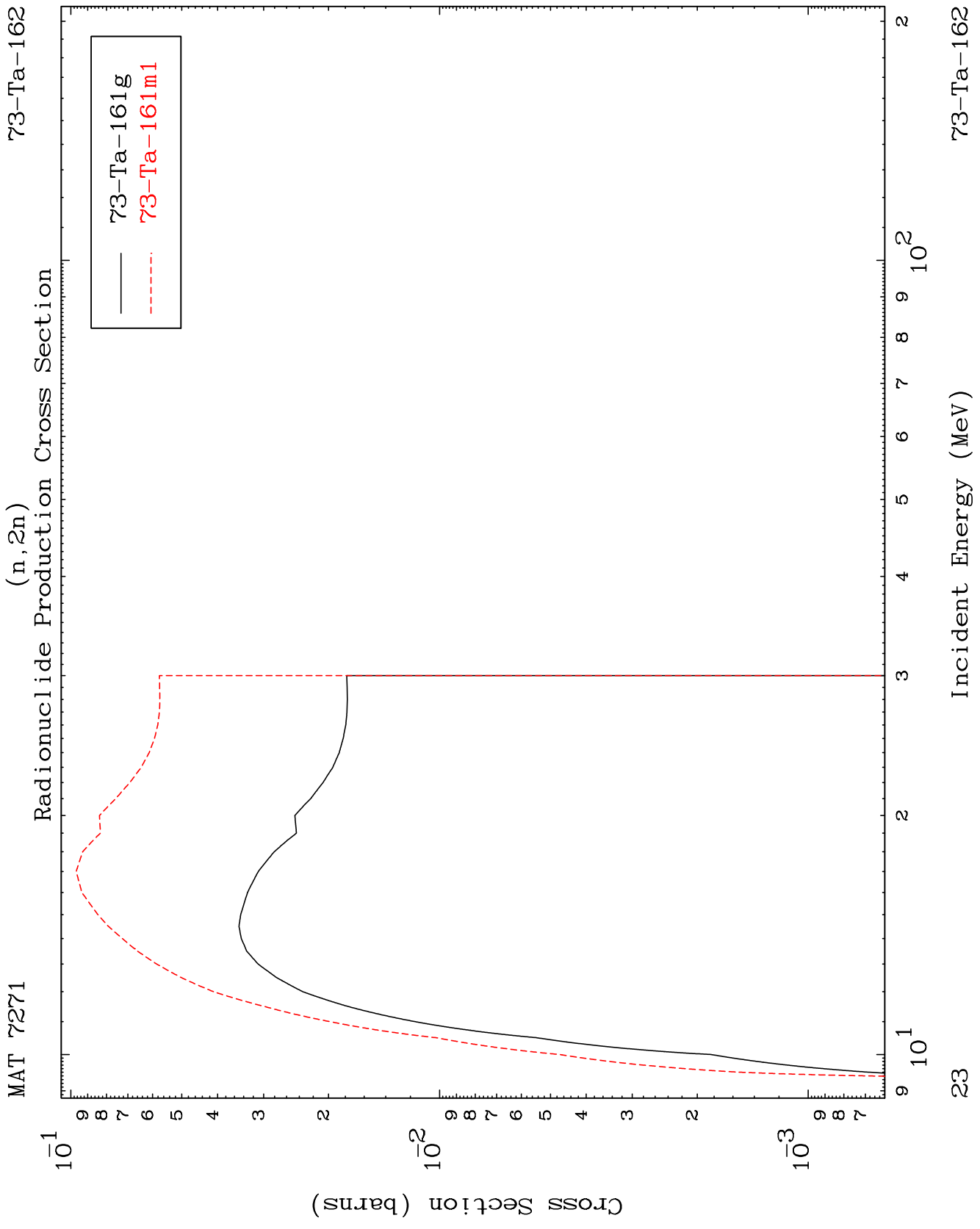
160.5 keV (n, n') Level  
Legendre Coefficients

73-Ta-162



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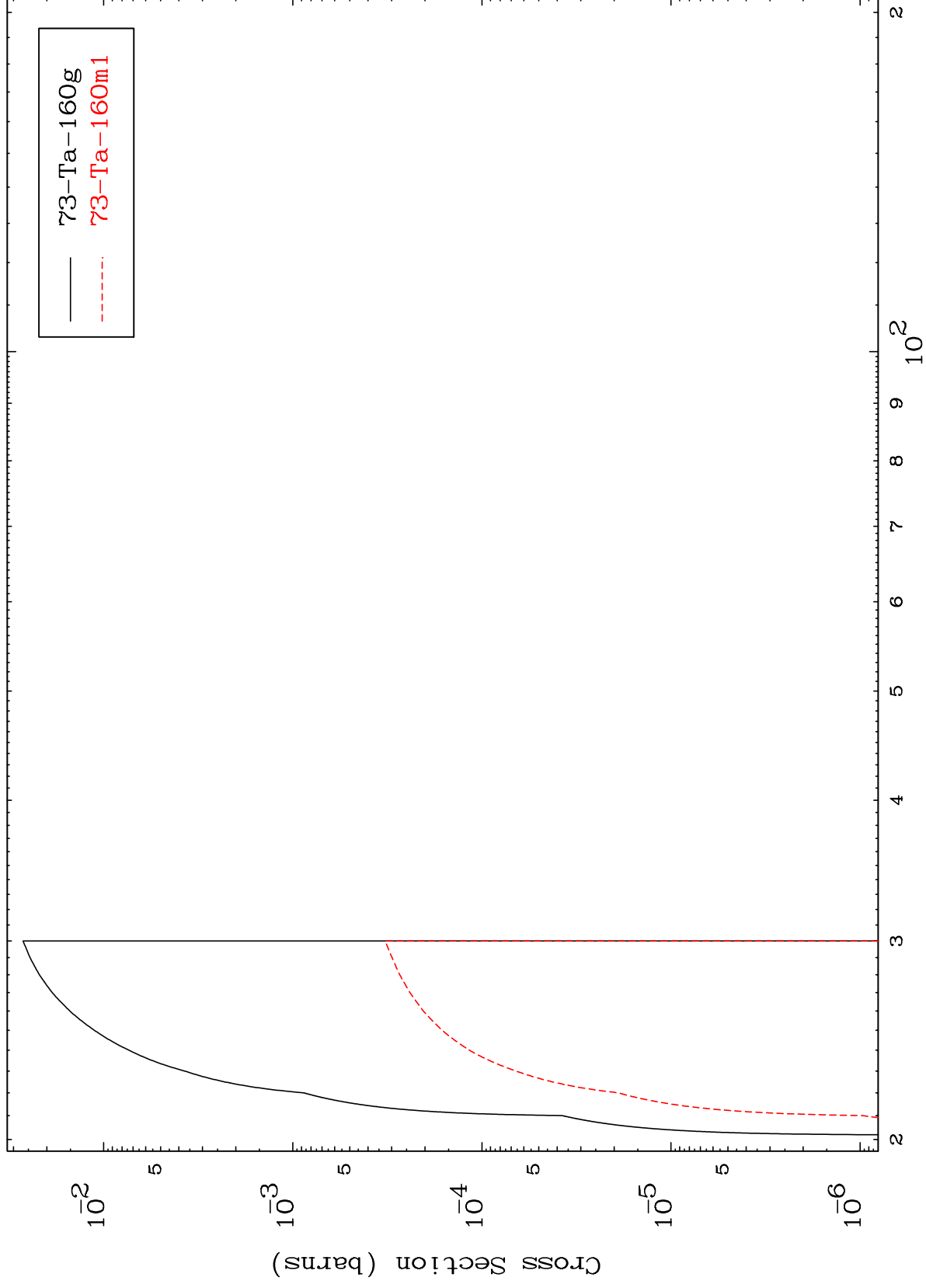




MAT 7271

<sup>73</sup>Ta-162

(n,3n)  
Radionuclide Production Cross Section



<sup>73</sup>Ta-162

Incident Energy (MeV)

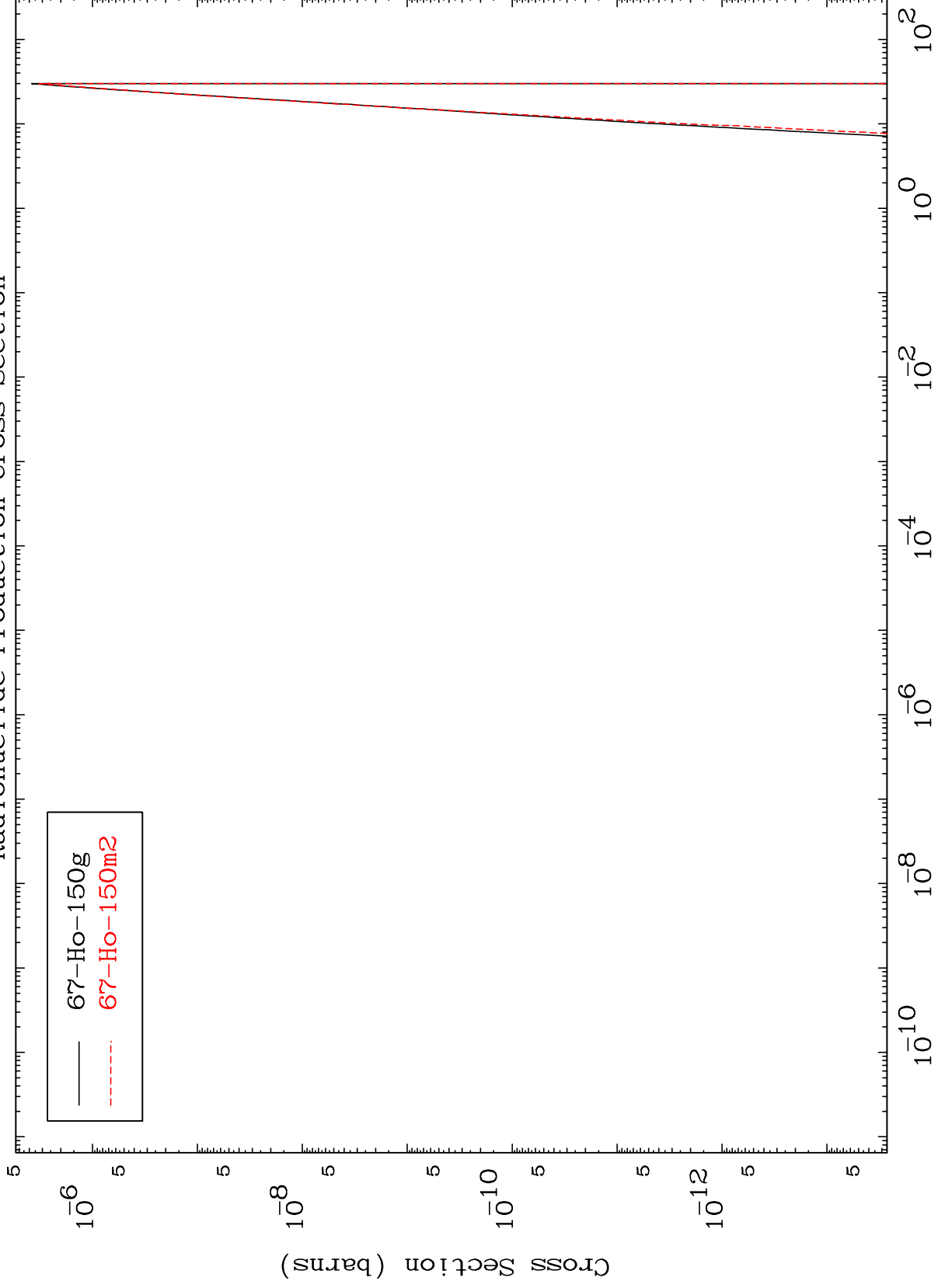
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(n,n') 3 $\alpha$

<sup>73</sup>Ta-162

Radionuclide Production Cross Section



25

Incident Energy (MeV)

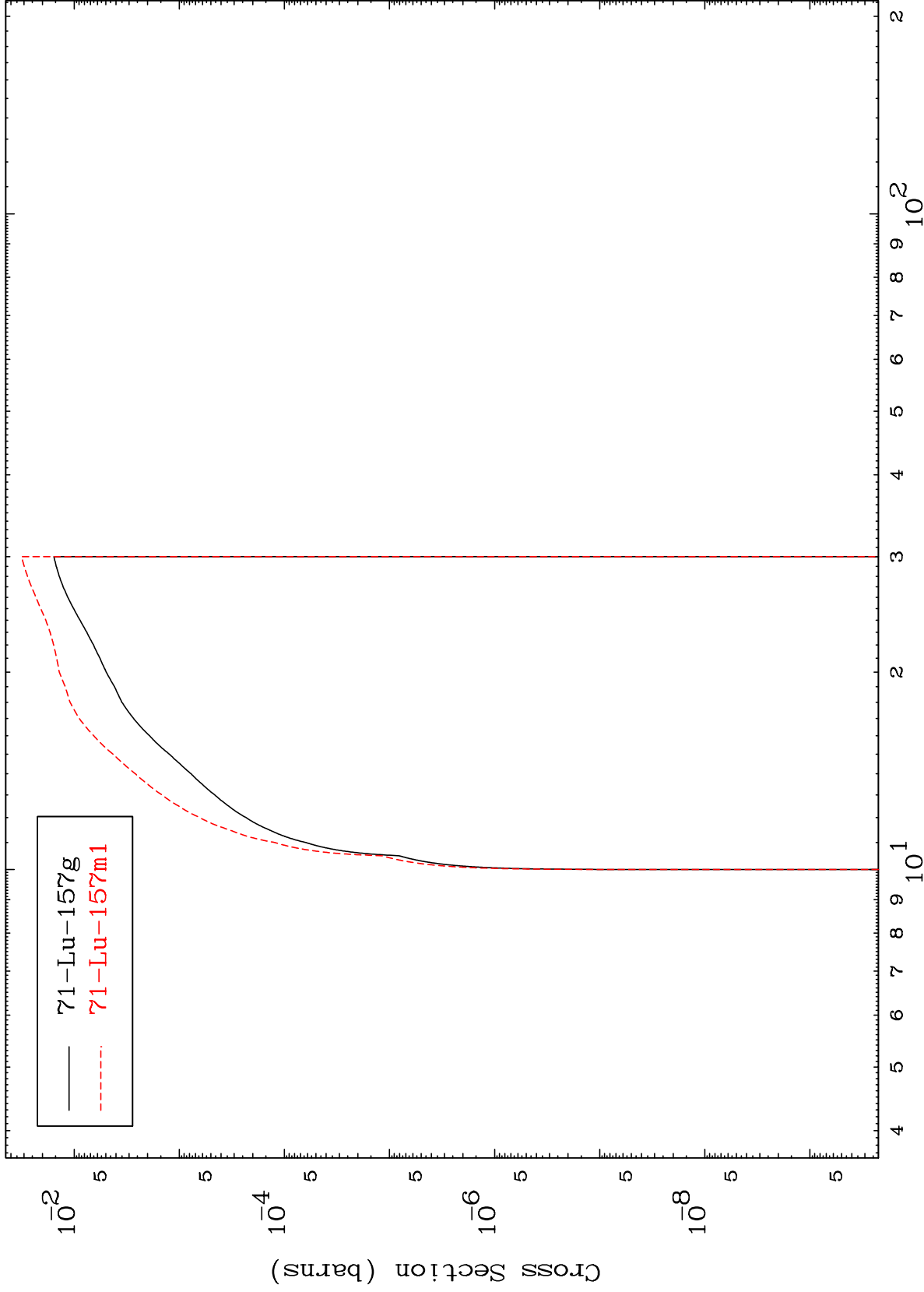
<sup>73</sup>Ta-162

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(n,2n)  $\alpha$

73-Ta-162

Radionuclide Production Cross Section



Incident Energy (MeV)

73-Ta-162

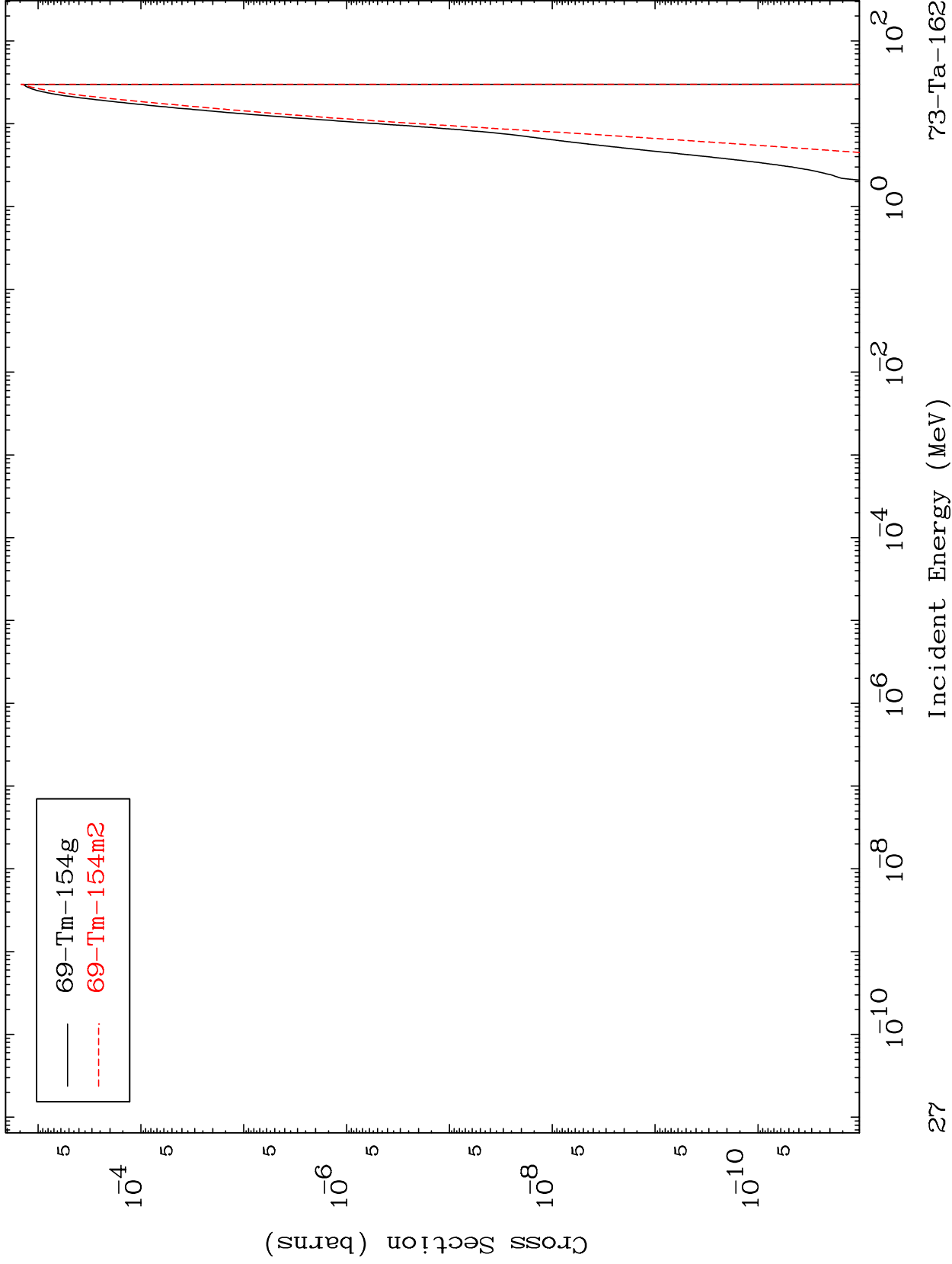
26

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(n,n') 2 $\alpha$

73-Ta-162

Radionuclide Production Cross Section

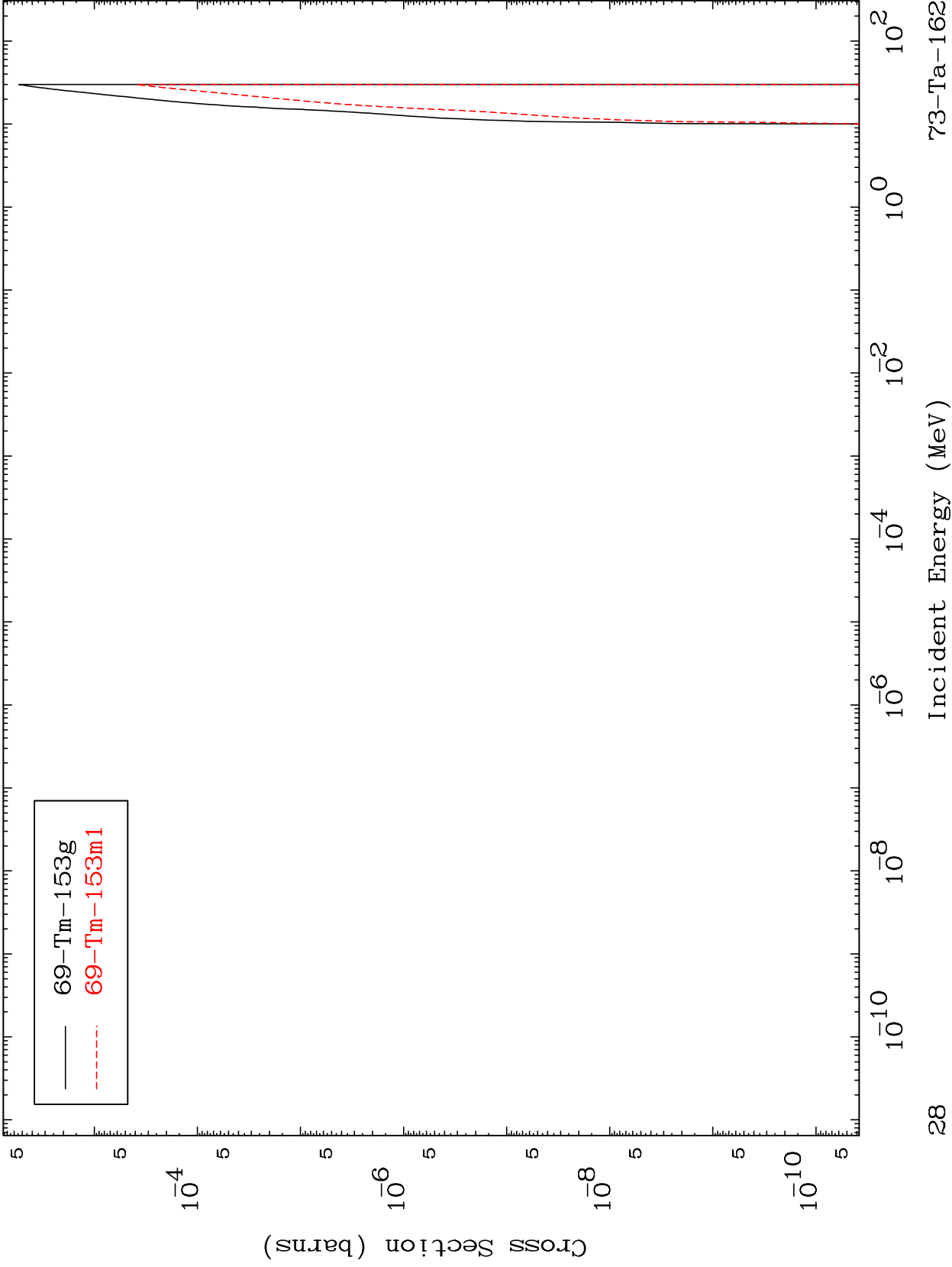


MAT 7271

(n,2n) 2α

73-Ta-162

Radionuclide Production Cross Section

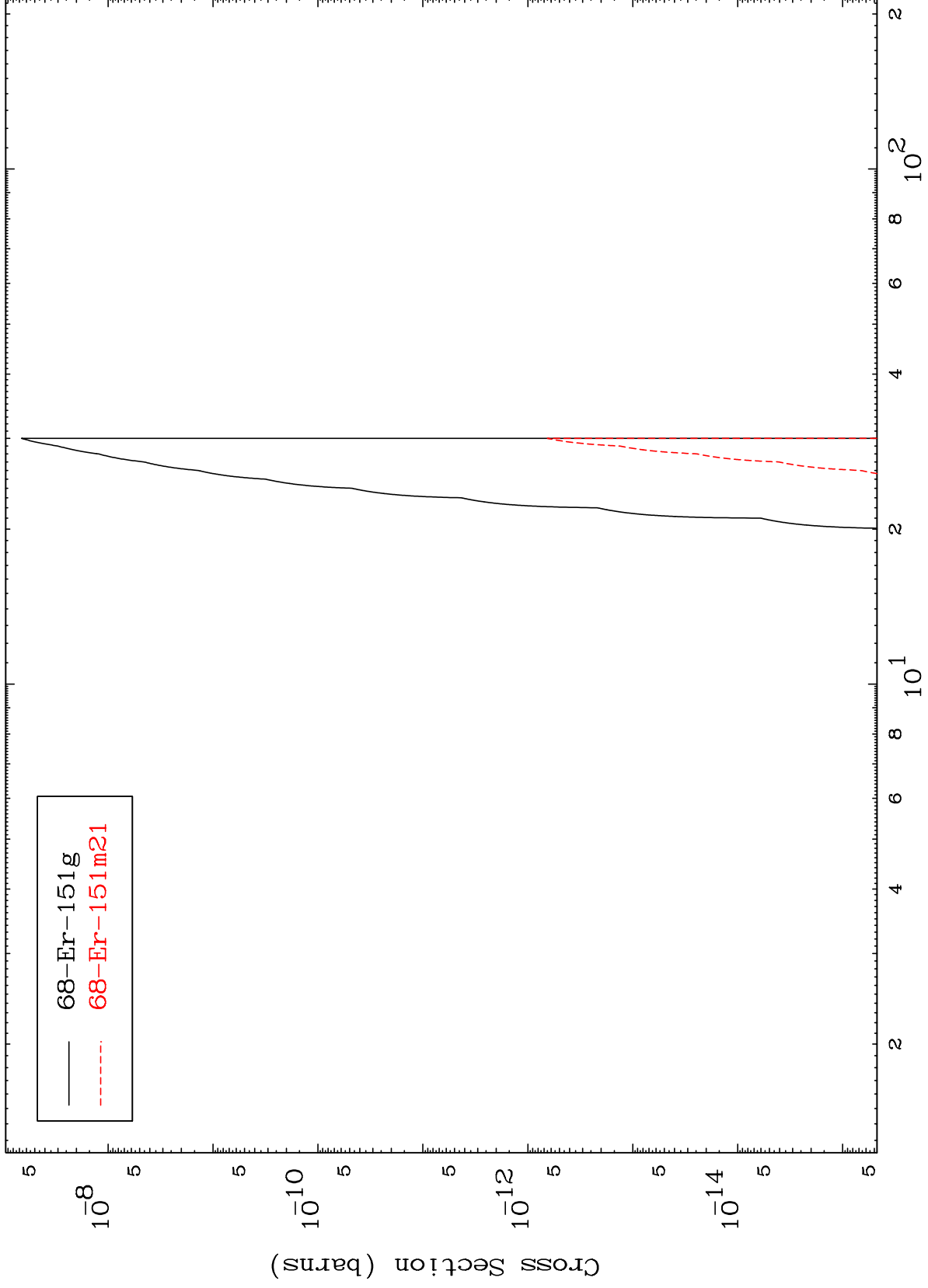


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(n,n') t,2α

73-Ta-162

Radionuclide Production Cross Section



29

Incident Energy (MeV)

73-Ta-162

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(n,4n)

<sup>73</sup>Ta-162

Radionuclide Production Cross Section

— <sup>73</sup>Ta-159m1

$\times 10^{-6}$

1.4

1.2

1.0

0.8

0.6

Cross Section (barns)

3

4

5

6

7

8

9

$10^2$

2

30

Incident Energy (MeV)

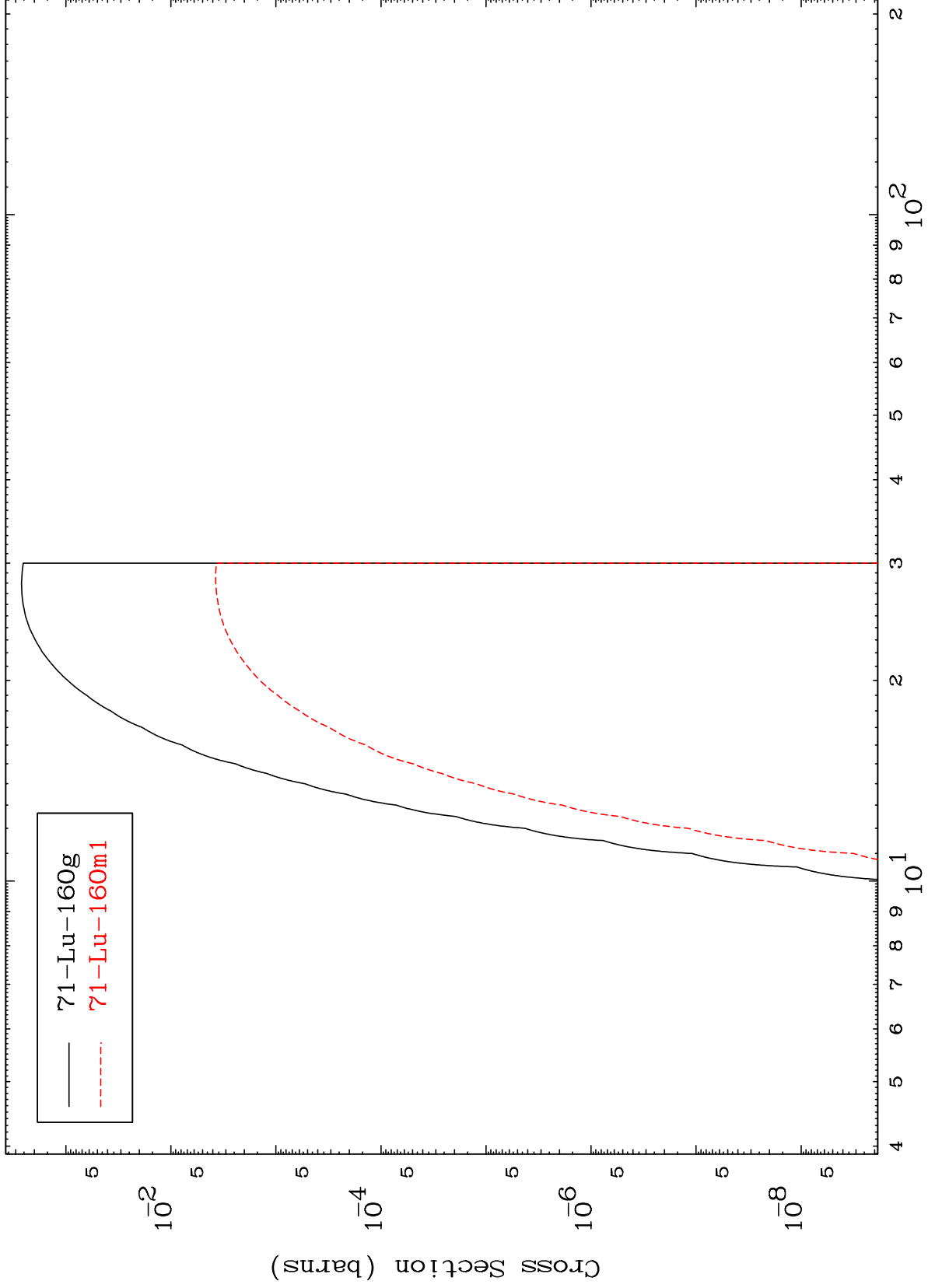
<sup>73</sup>Ta-162

MAT 7271

(n,2n) p

73-Ta-162

Radionuclide Production Cross Section



31

Incident Energy (MeV)

73-Ta-162

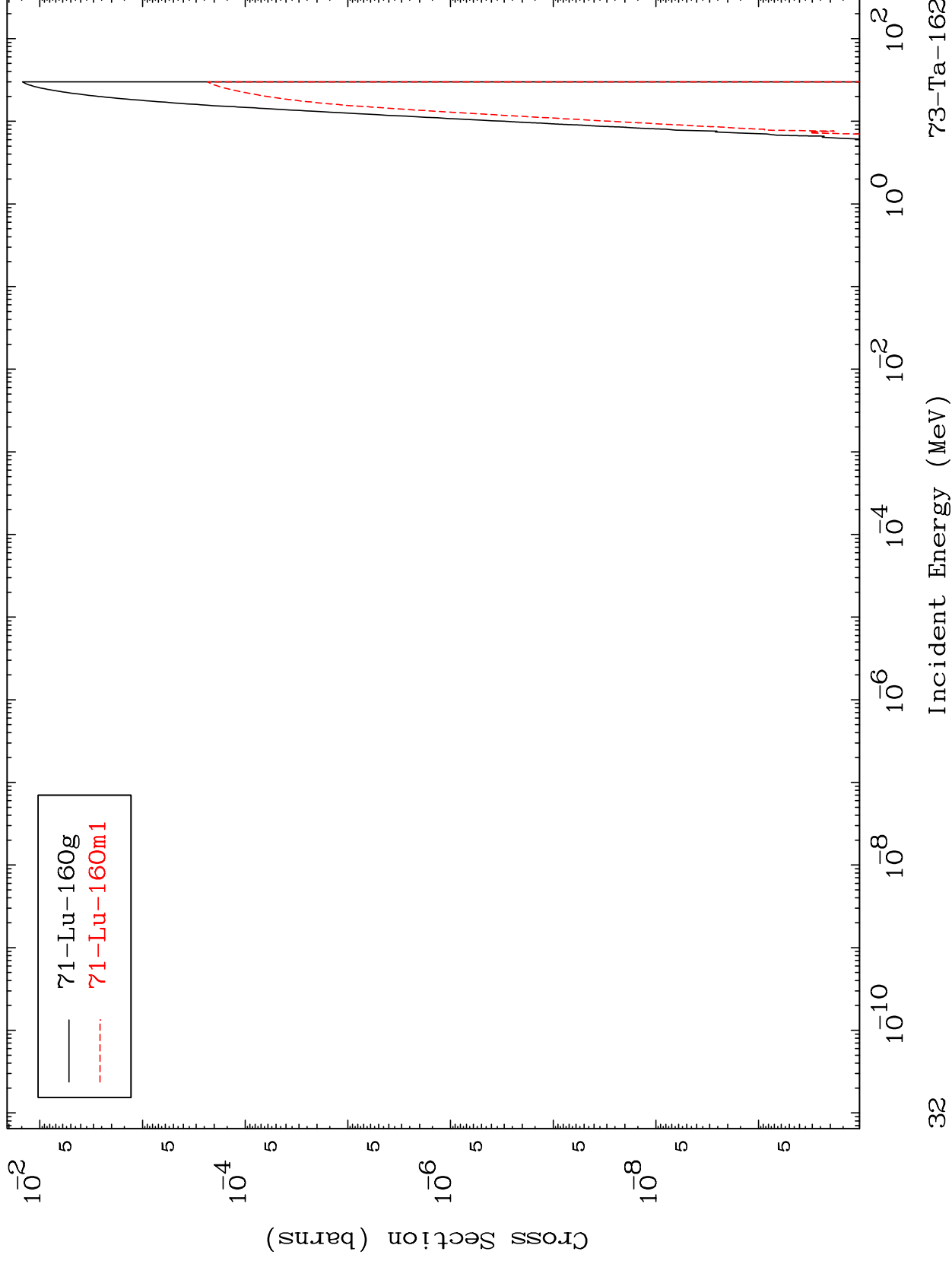


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(n,He-3)

<sup>73</sup>Ta-162

Radionuclide Production Cross Section



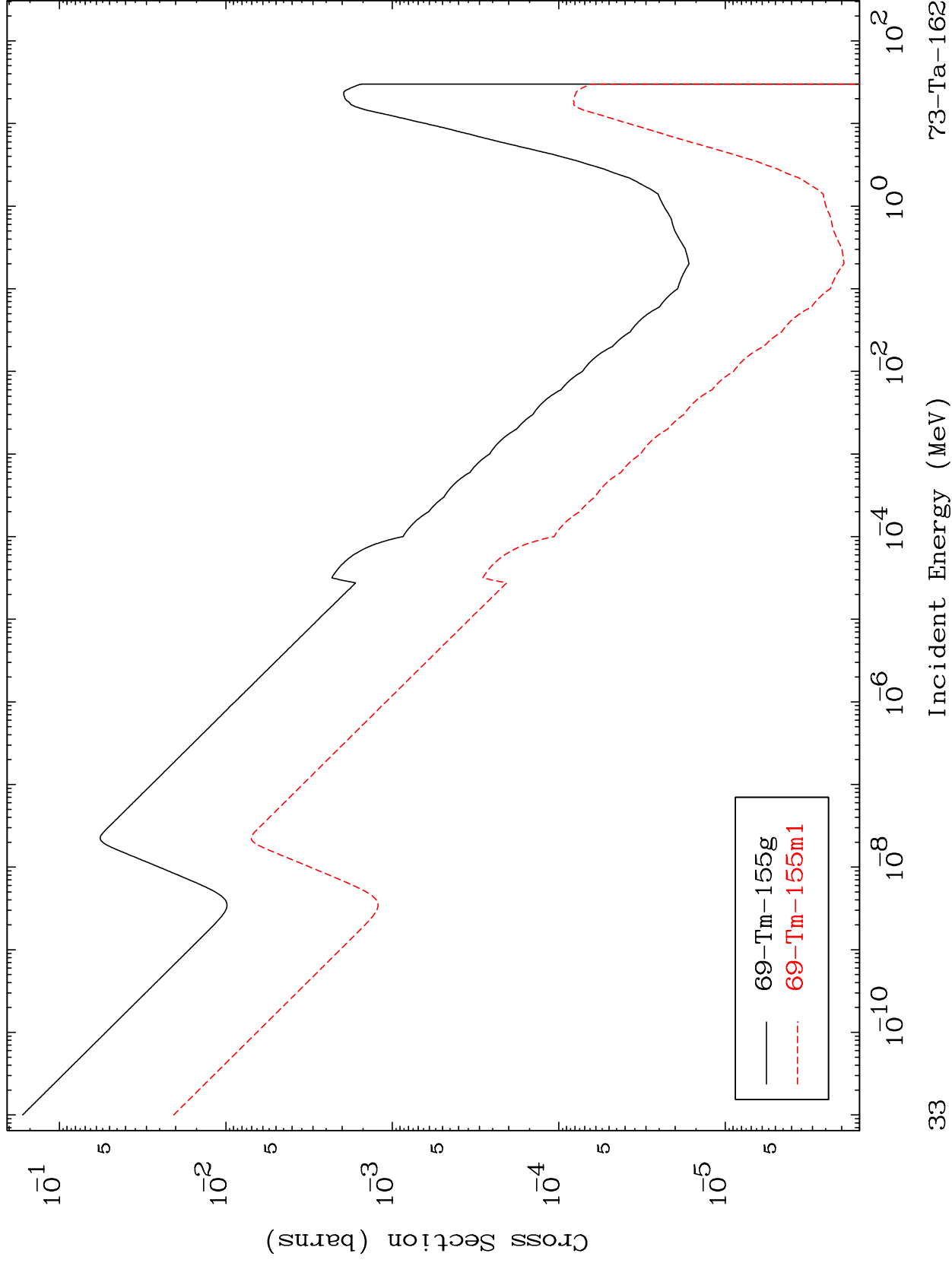
32

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(n,2α)

73-Ta-162

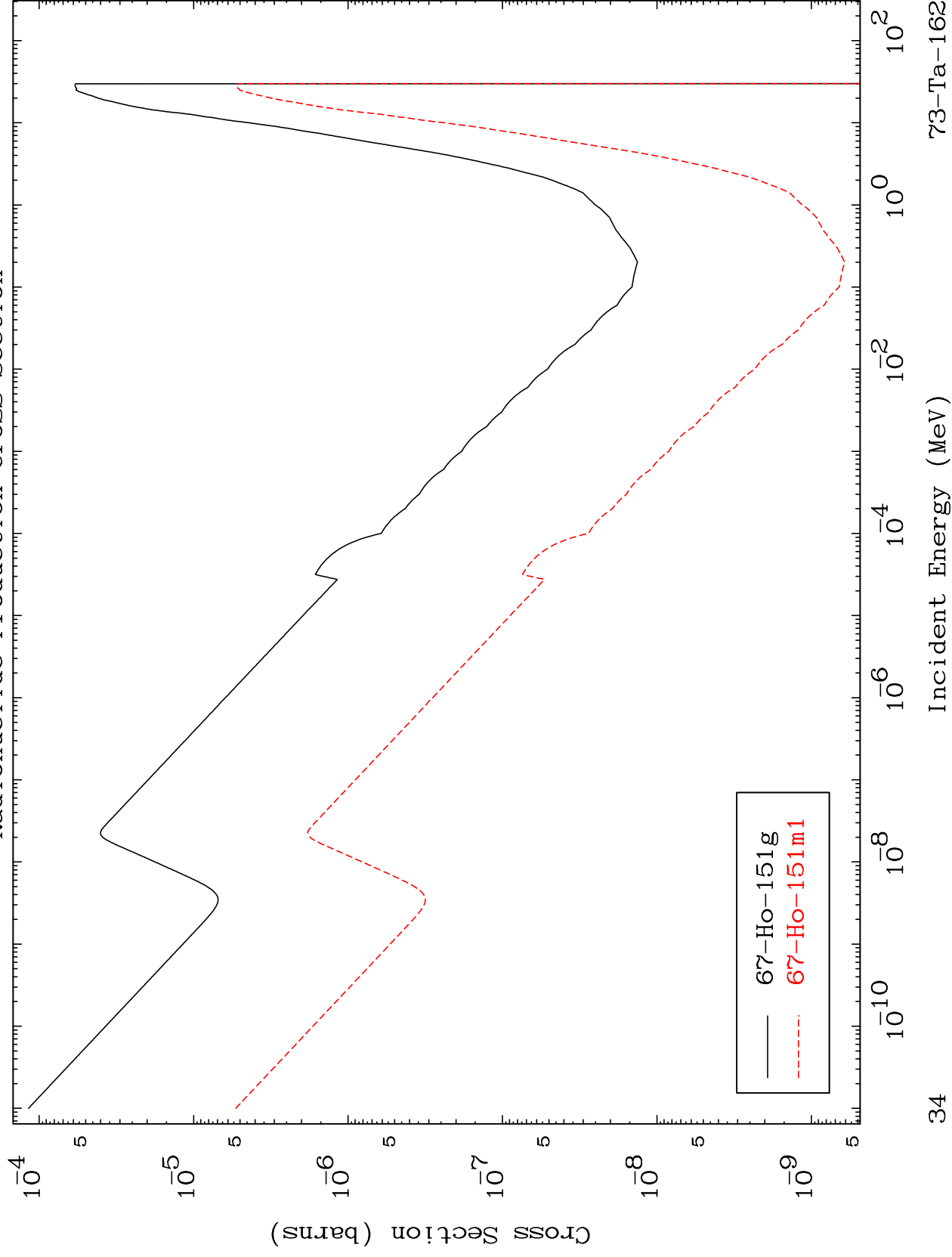
Radionuclide Production Cross Section



MAT 7271

73-Ta-162

(n, 3 $\alpha$ )  
Radionuclide Production Cross Section



Incident Energy (MeV)

73-Ta-162

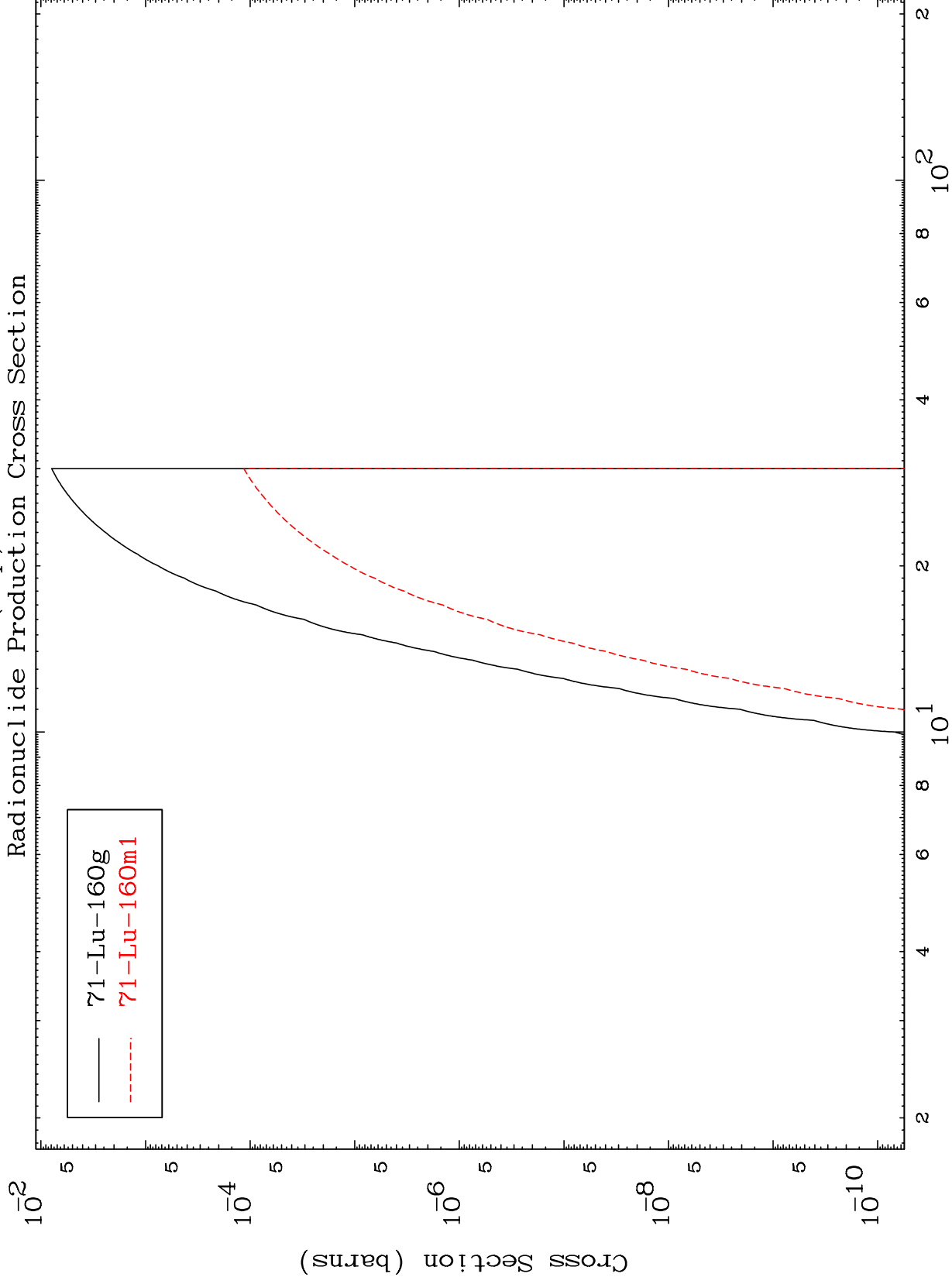
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MAT 7271

(n,p) d

73-Ta-162

Radionuclide Production Cross Section



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Incident Energy (MeV)

73-Ta-162