

Program EVALPLOT
(Version 2018-1)

by

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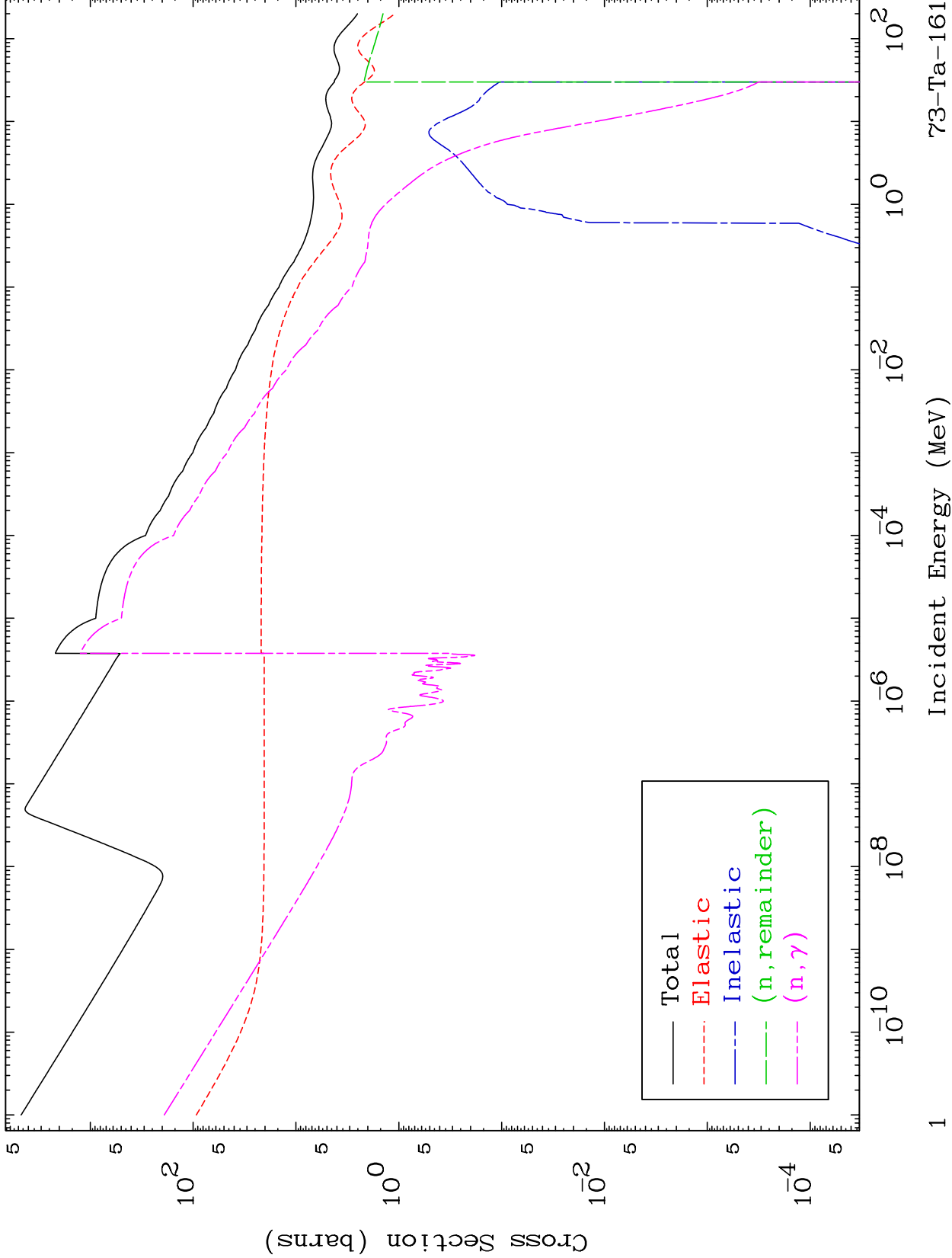
Press Mouse Button to Start

MAT 7269

Major

293 Kelvin Cross Sections

73-Ta-161



1

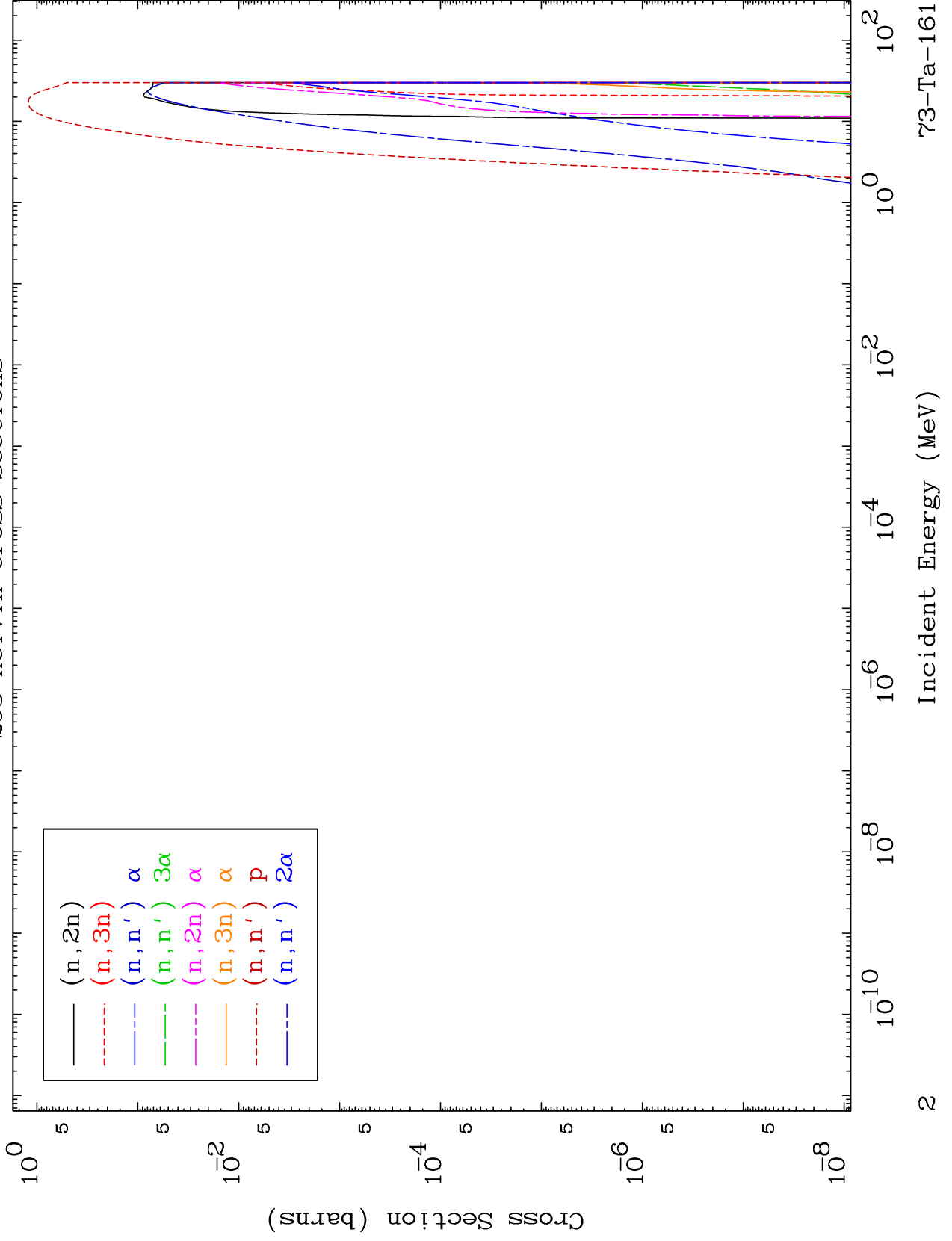
Incident Energy (MeV)

73-Ta-161

MAT 7269

Neutron Production
293 Kelvin Cross Sections

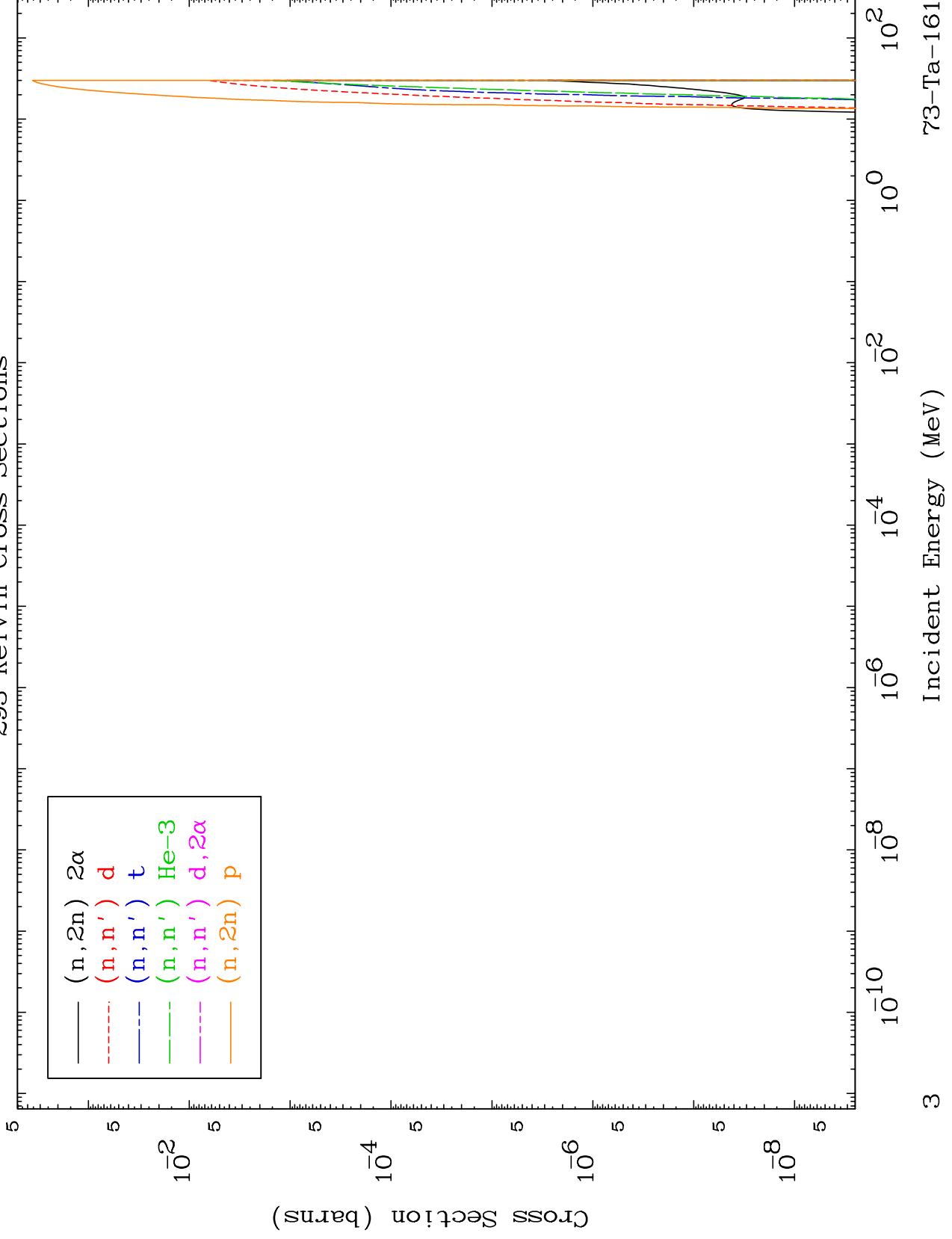
73-Ta-161



MAT 7269

Neutron Production
293 Kelvin Cross Sections

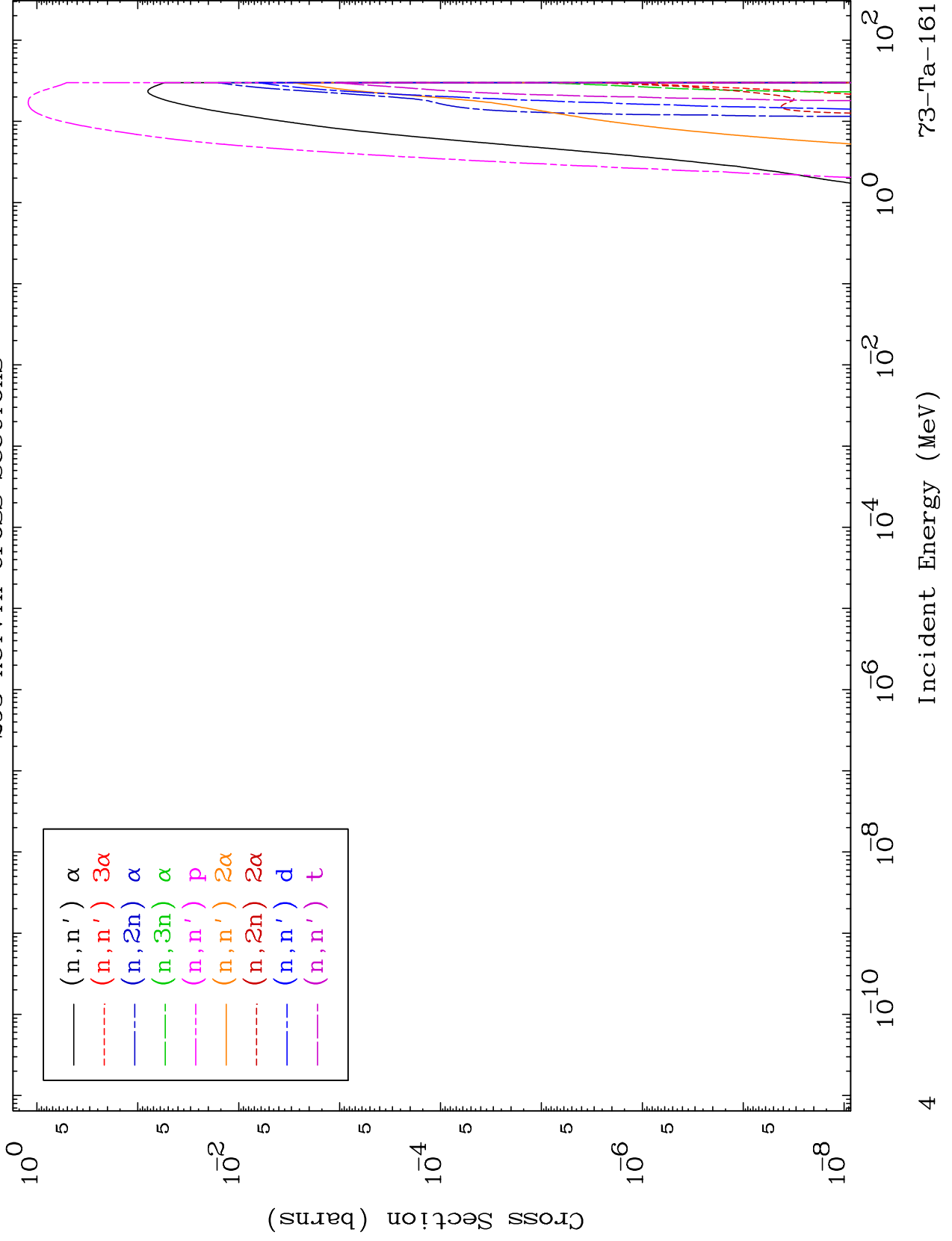
73-Ta-161



MAT 7269

Charged Particle
293 Kelvin Cross Sections

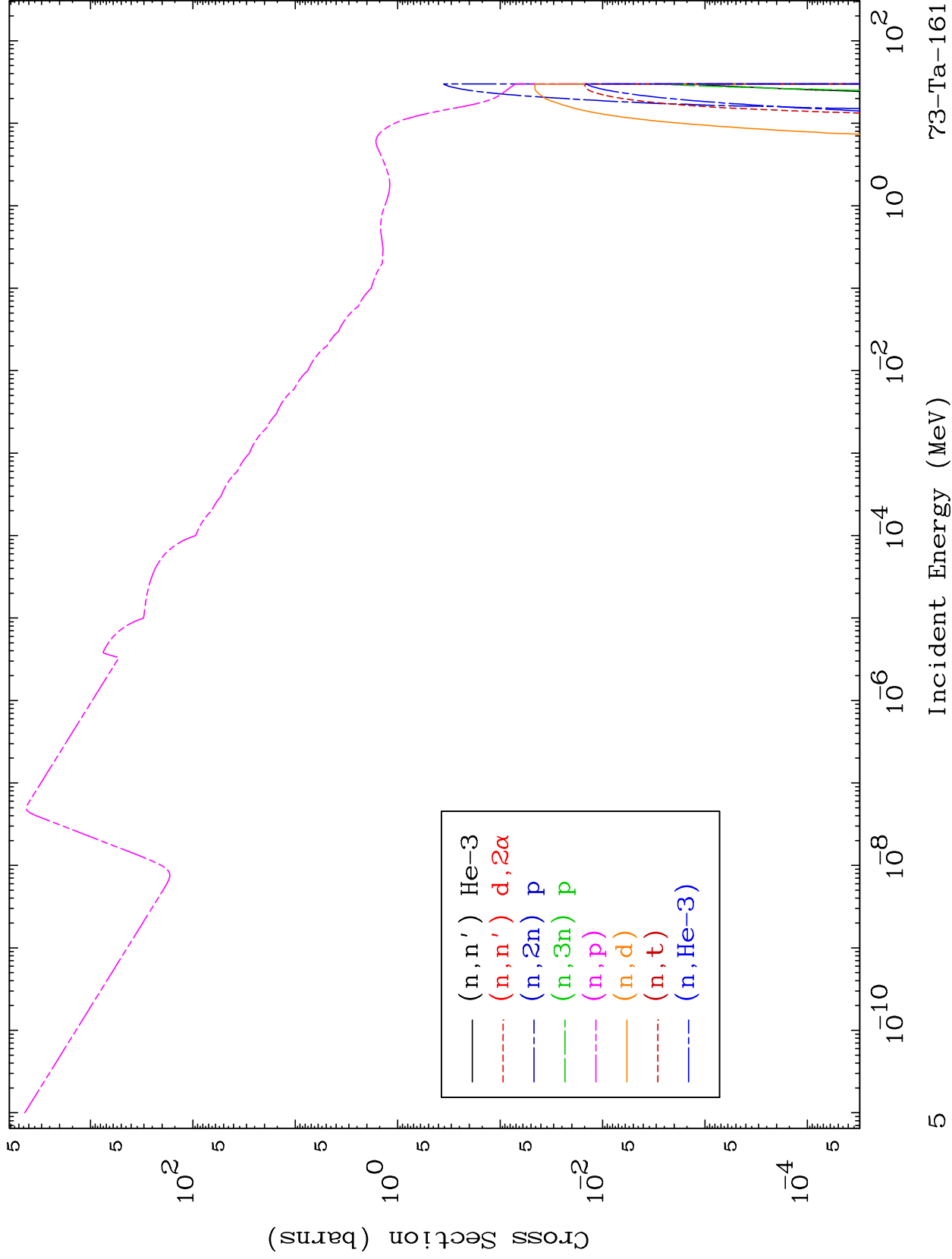
73-Ta-161



MAT 7269

Charged Particle
293 Kelvin Cross Sections

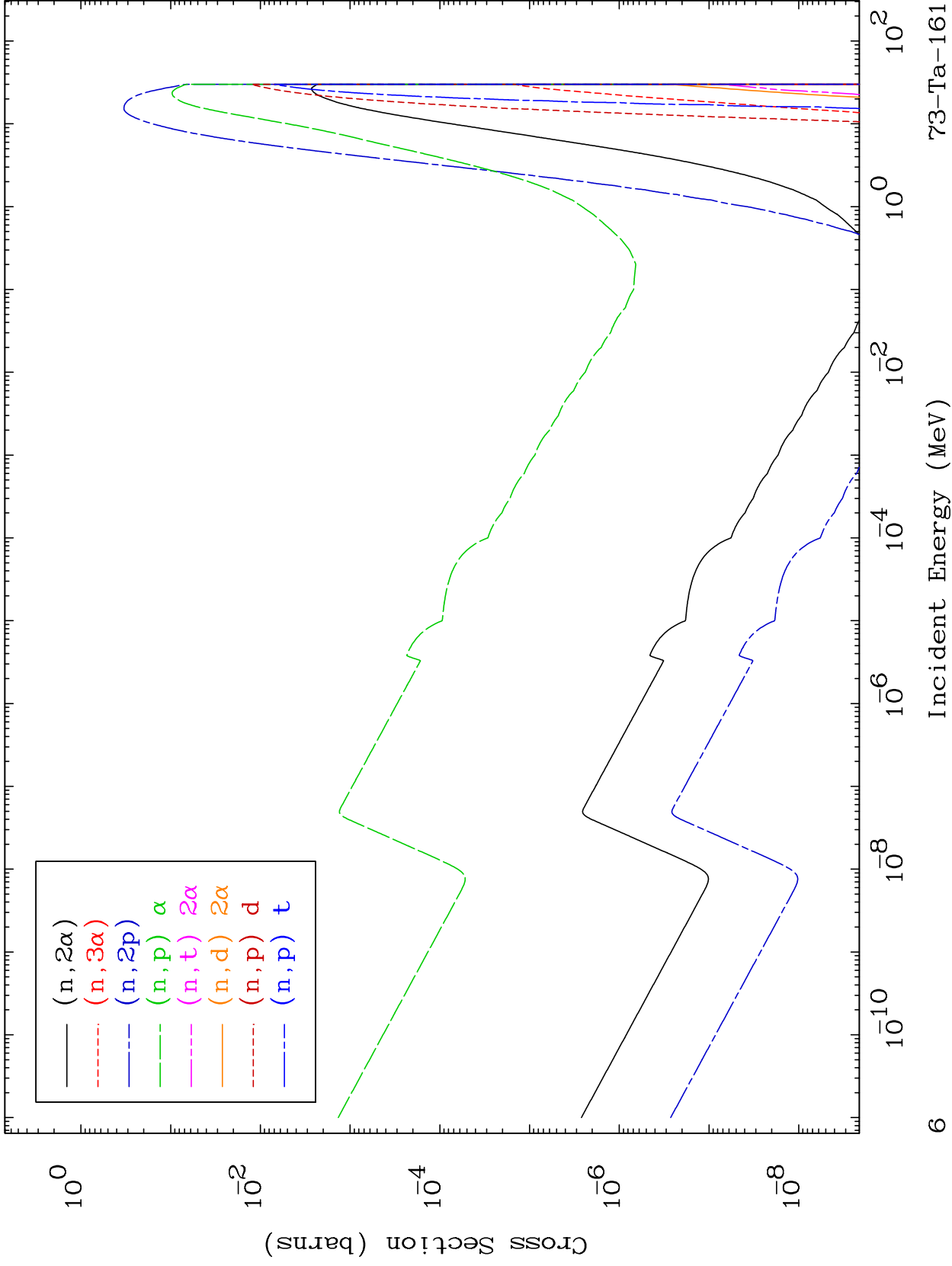
73-Ta-161



MAT 7269

Charged Particle
293 Kelvin Cross Sections

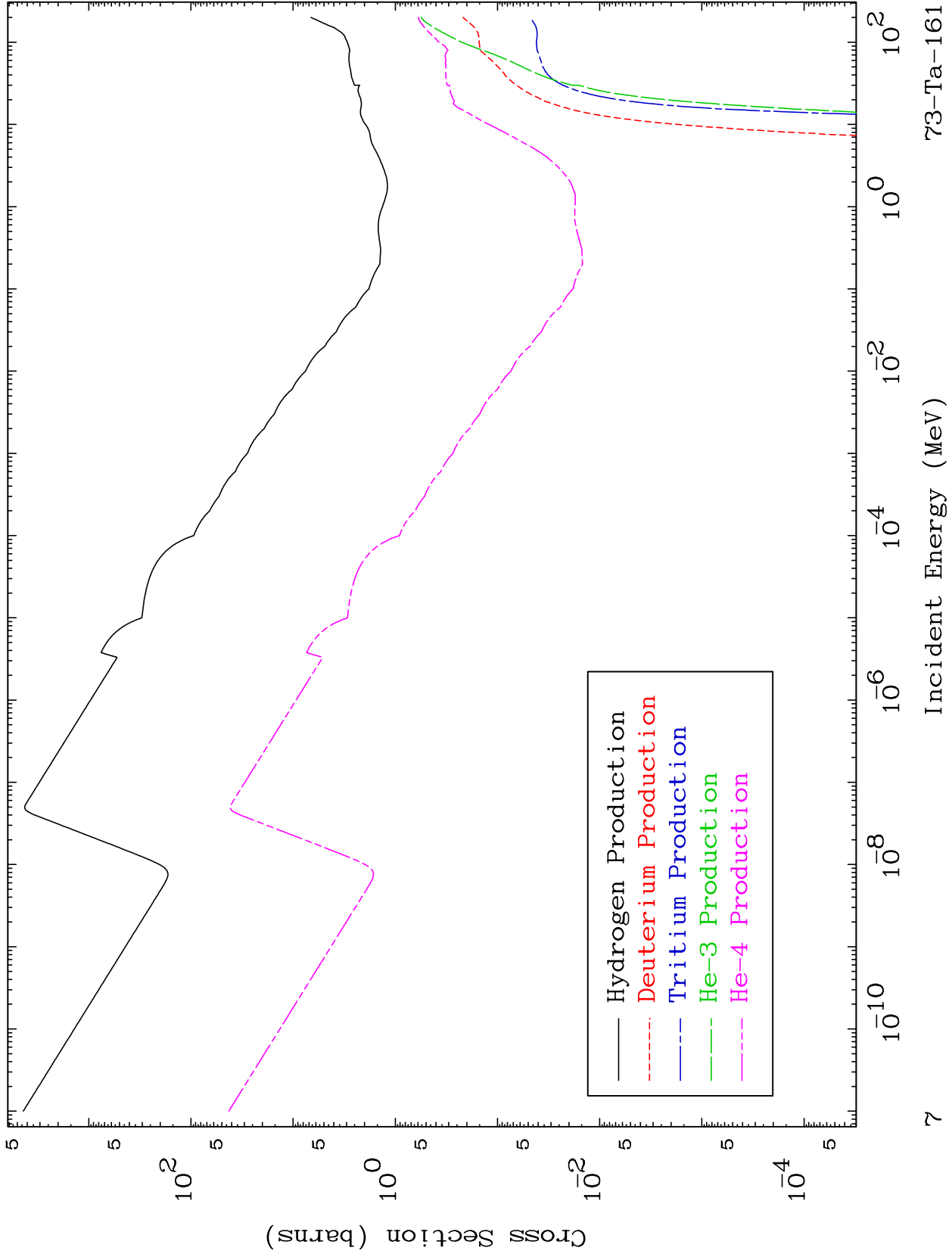
73-Ta-161



MAT 7269

Particle Production
293 Kelvin Cross Sections

73-Ta-161

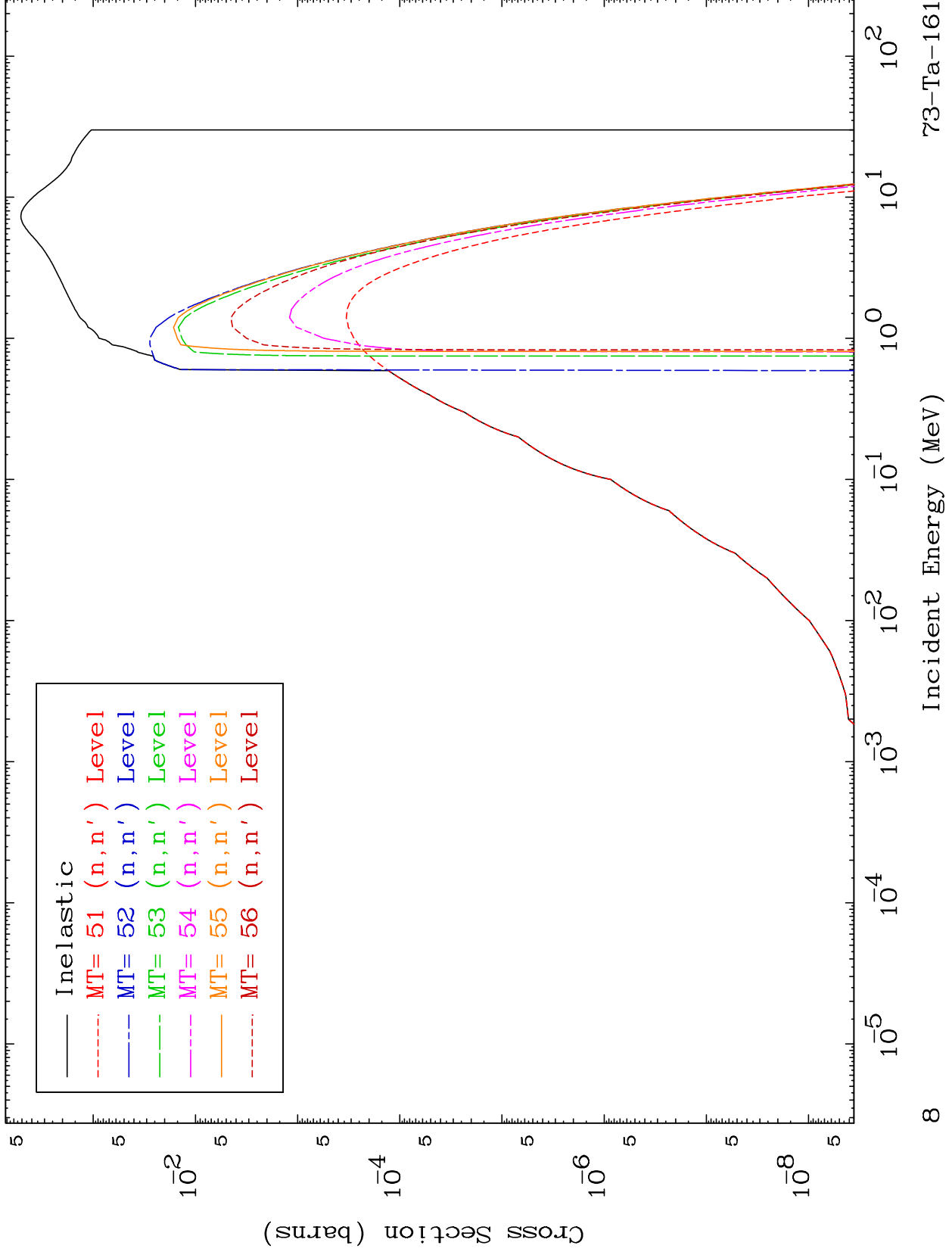


MAT 7269

(n,n') Level

73-Ta-161

293 Kelvin Cross Sections

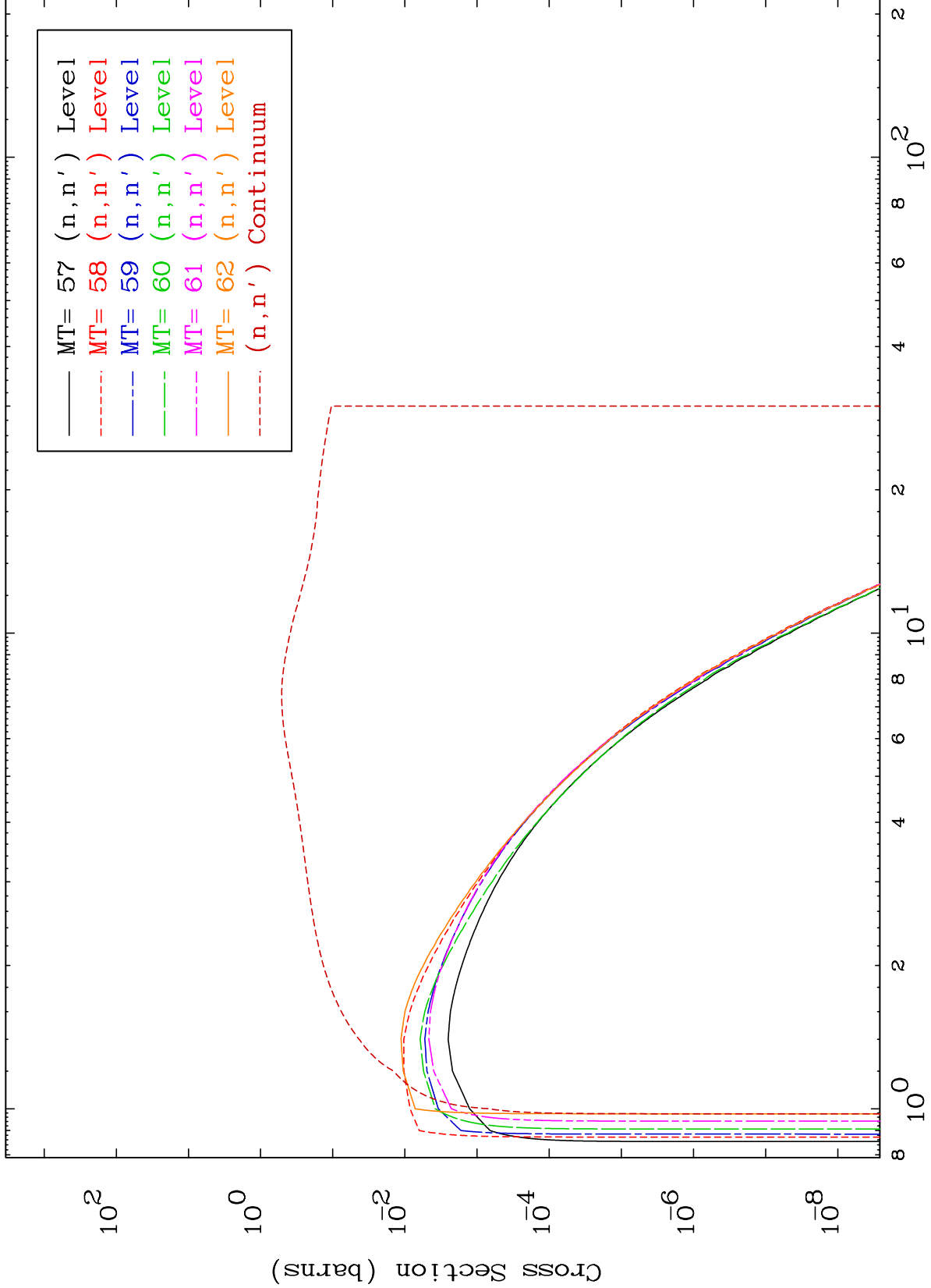


MAT 7269

(n,n') Level

73-Ta-161

293 Kelvin Cross Sections



9

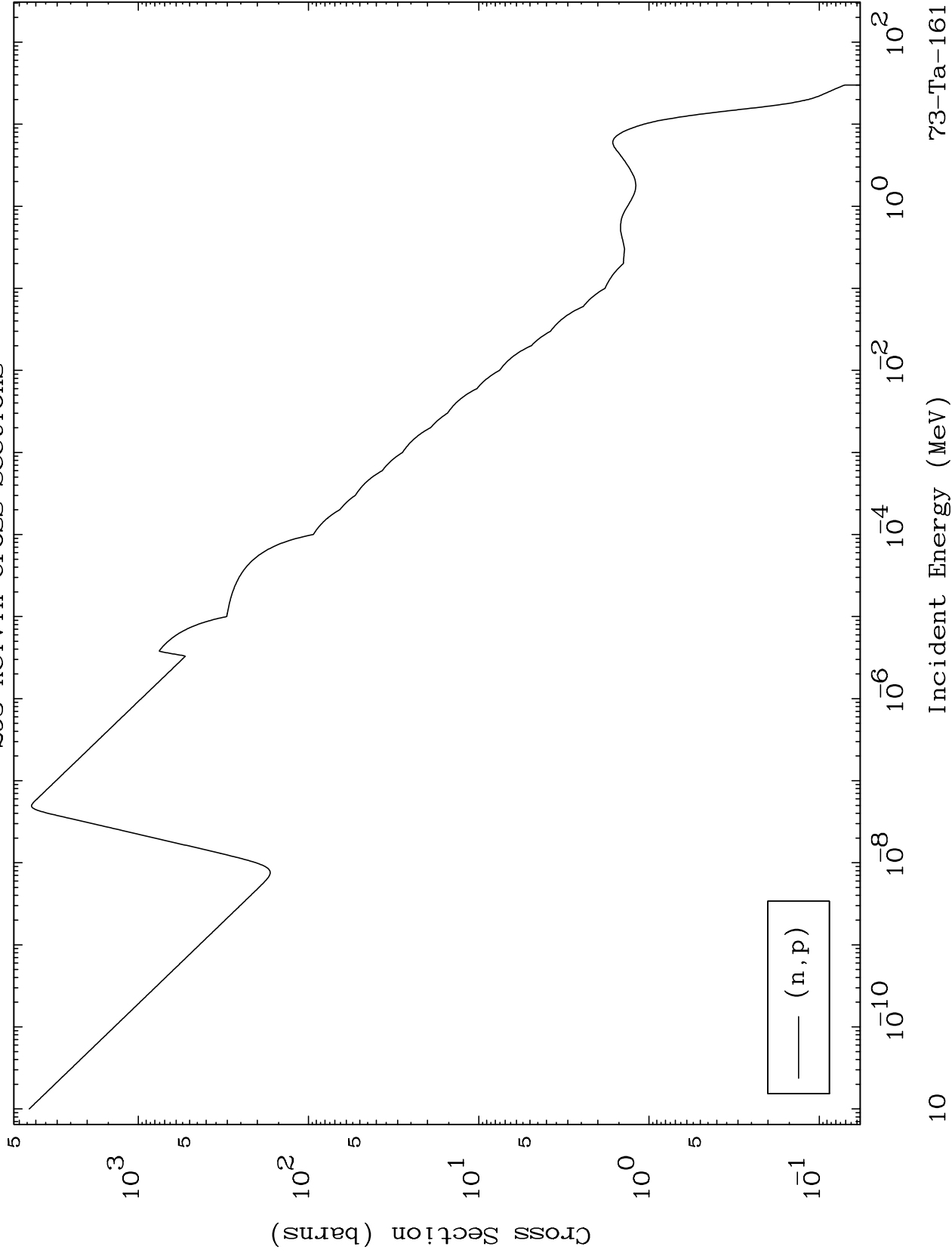
Incident Energy (MeV)

73-Ta-161

MAT 7269

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-161



(n,p)

10

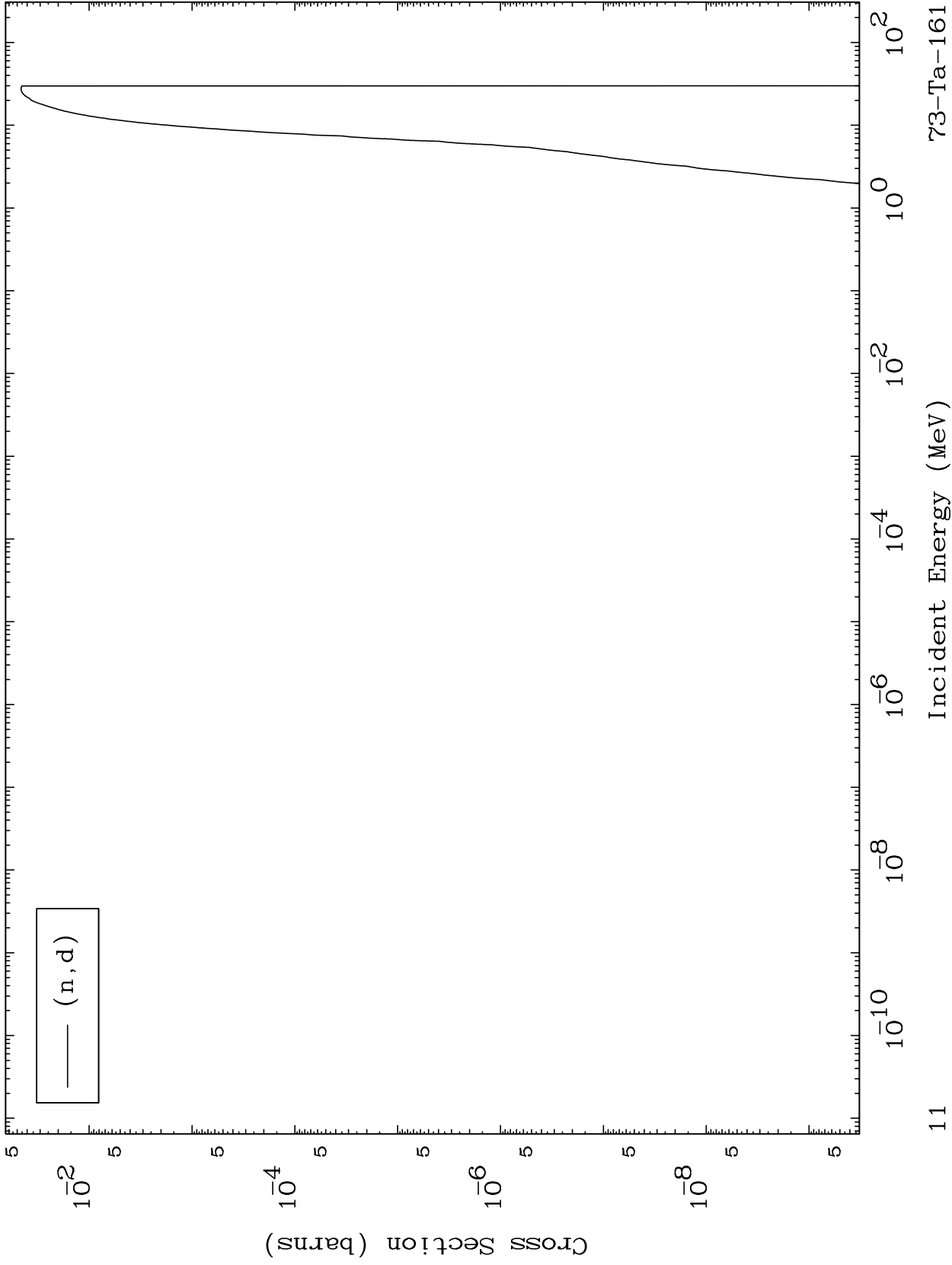
Incident Energy (MeV)

73-Ta-161

MAT 7269

(n,d) Levels
293 Kelvin Cross Sections

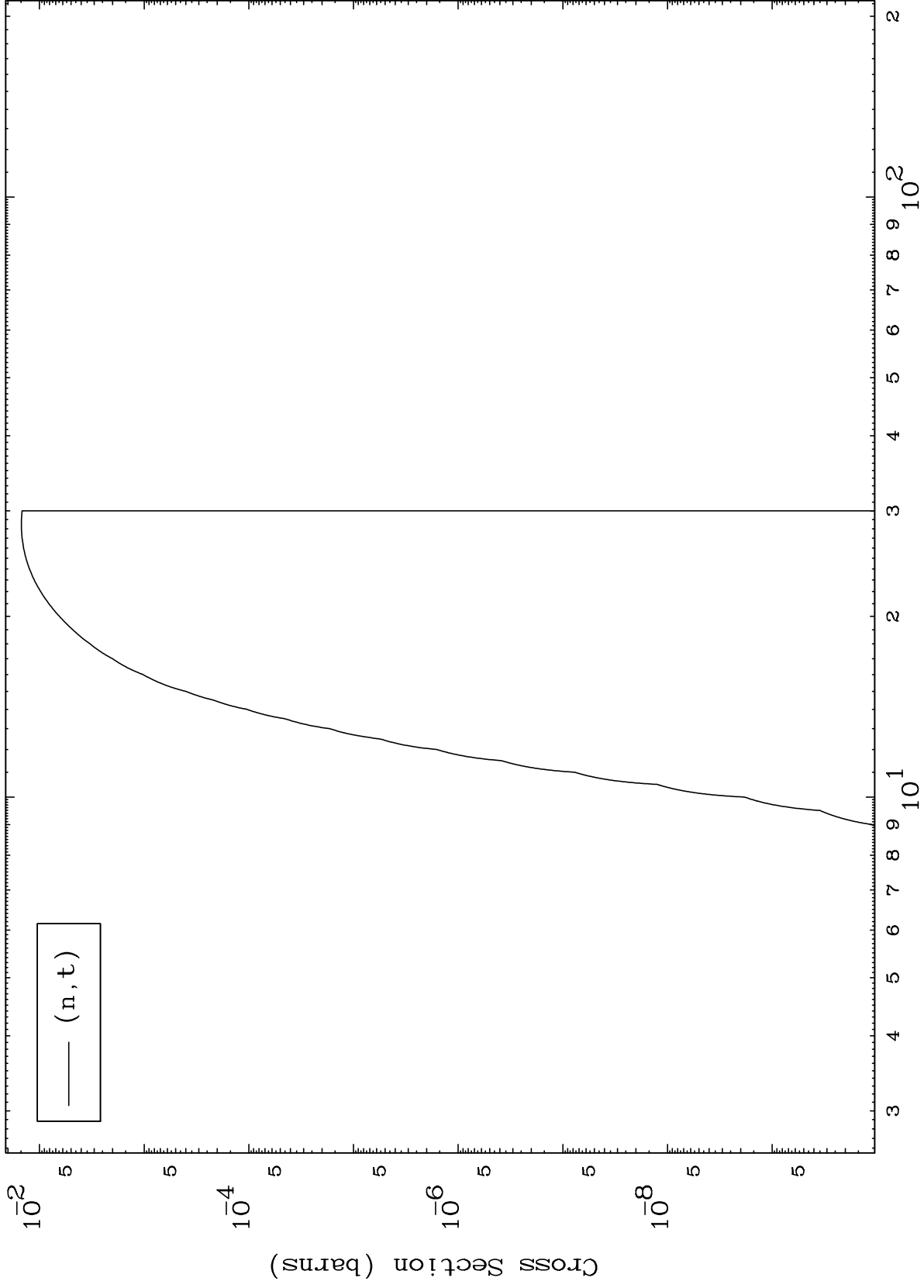
73-Ta-161



MAT 7269

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-161



12

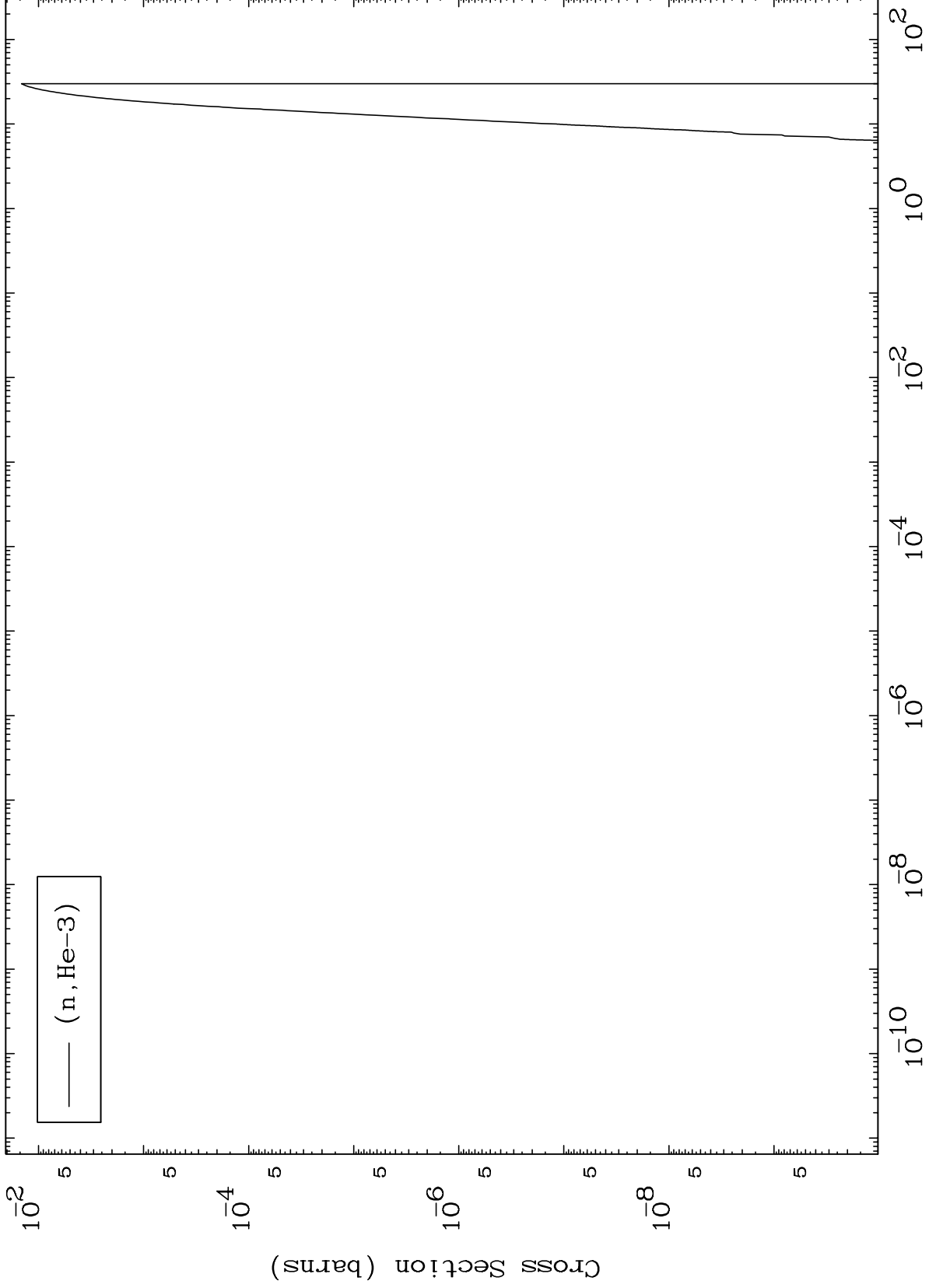
Incident Energy (MeV)

73-Ta-161

MAT 7269

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-161



13

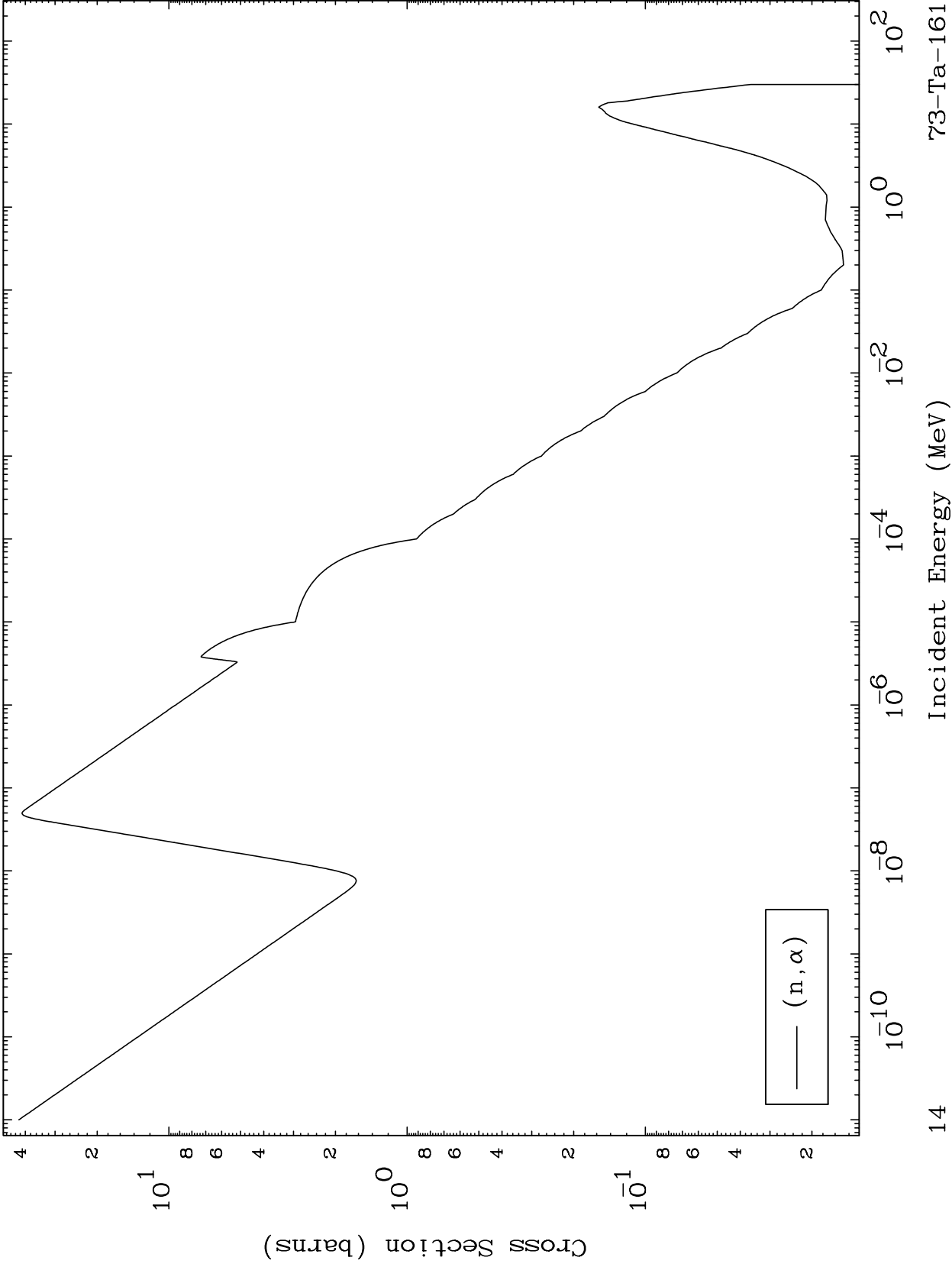
Incident Energy (MeV)

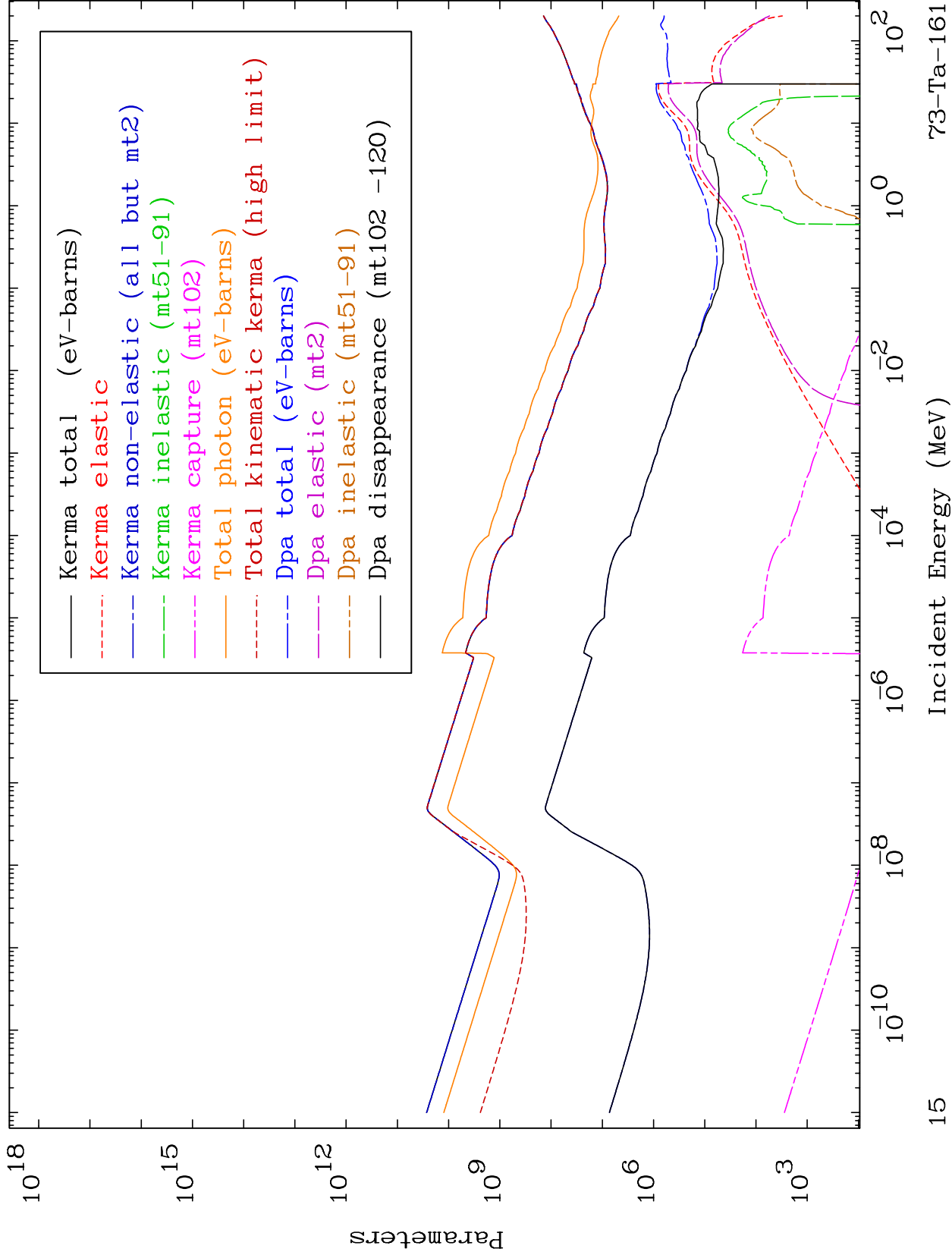
73-Ta-161

MAT 7269

(n,α) Levels
293 Kelvin Cross Sections

73-Ta-161

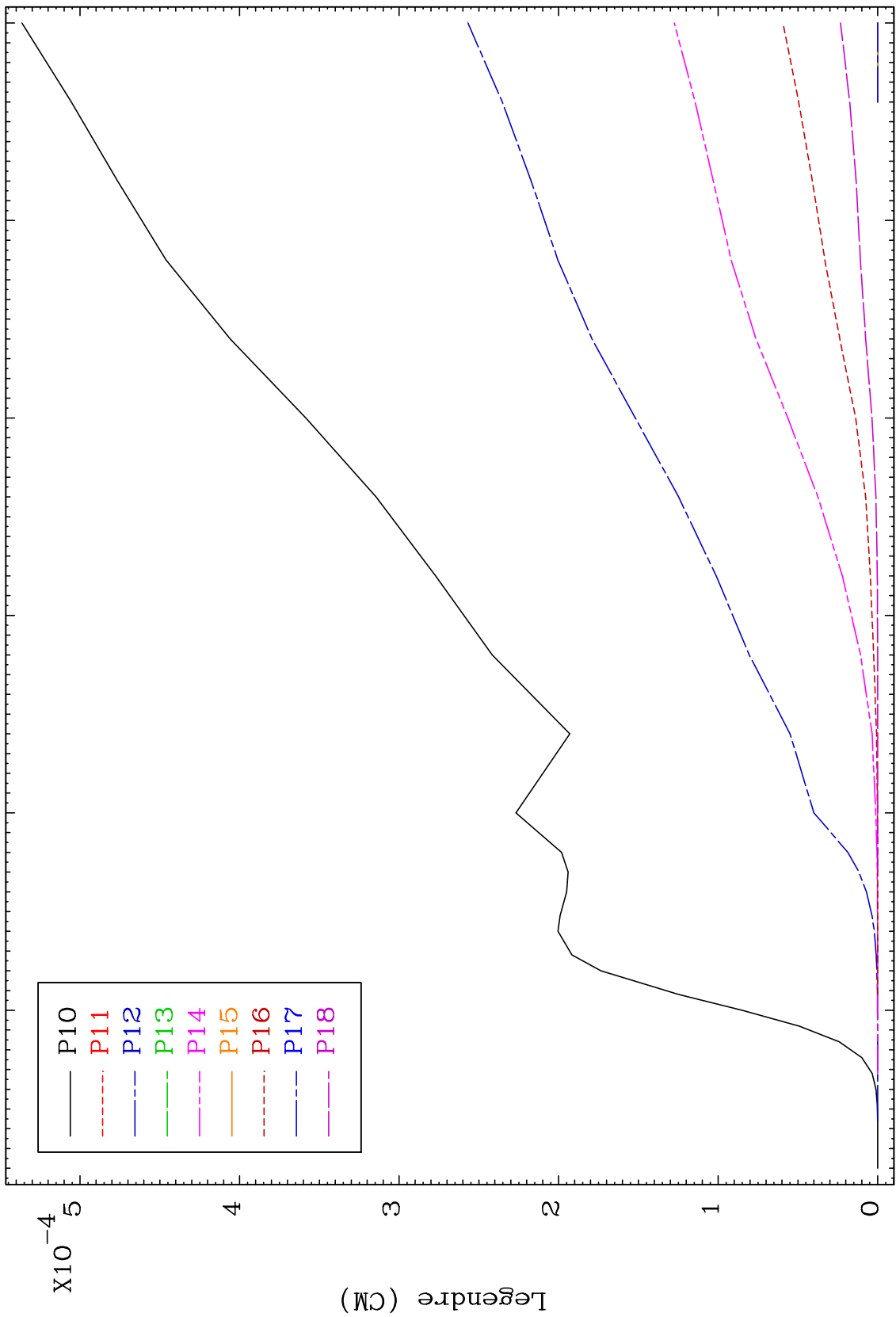




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Elastic Legendre Coefficients

⁷³Ta-161



17

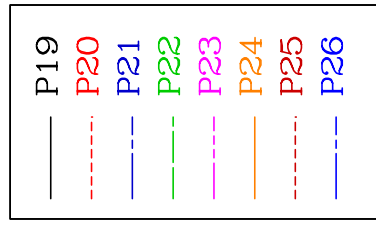
⁷³Ta-161

Incident Energy (MeV)

MAT 7269

Elastic
Legendre Coefficients

⁷³Ta-161



$\times 10^{-6}$

6

4

2

0

Legendre (CM)

15

20

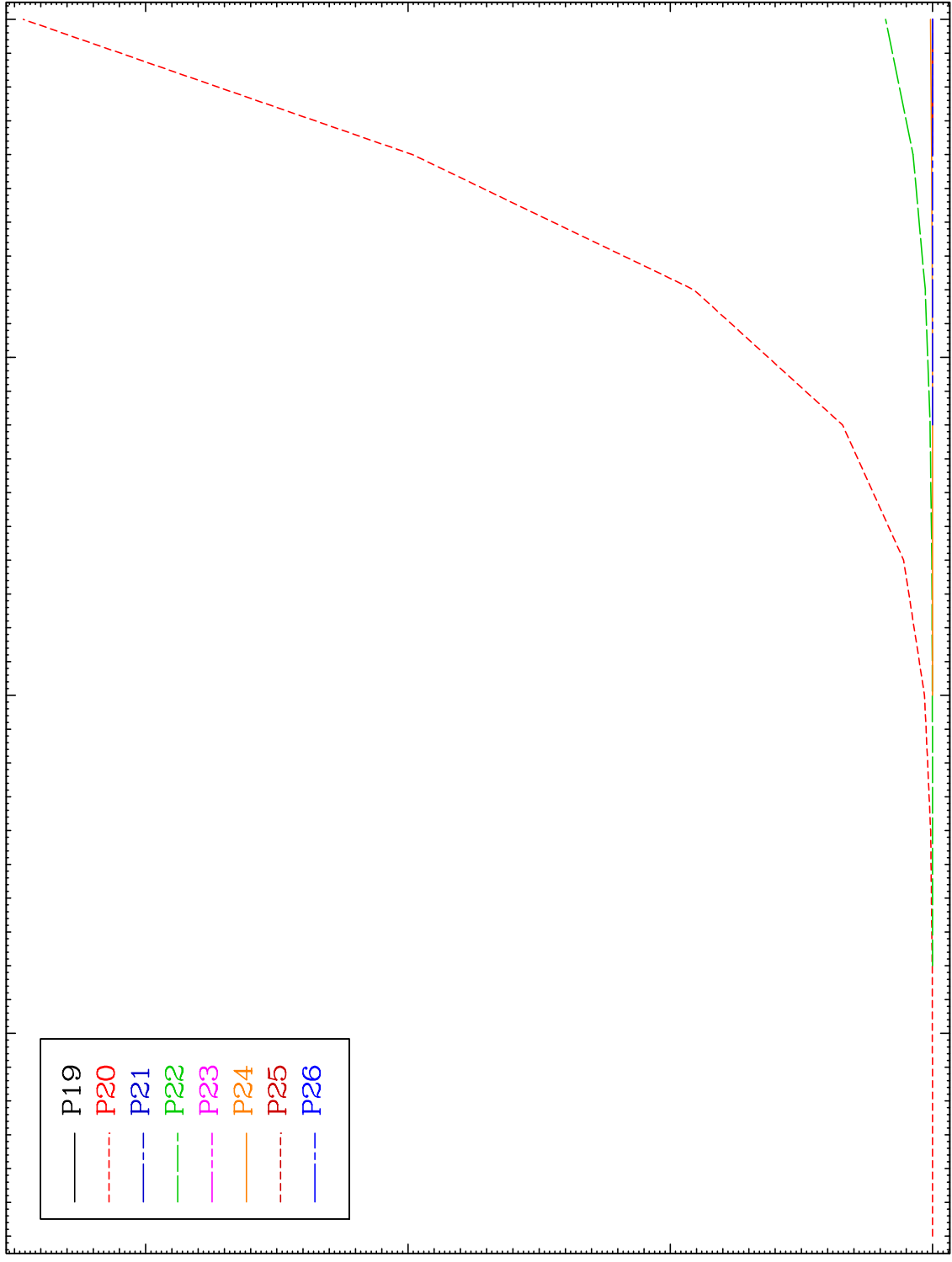
25

30

18

Incident Energy (MeV)

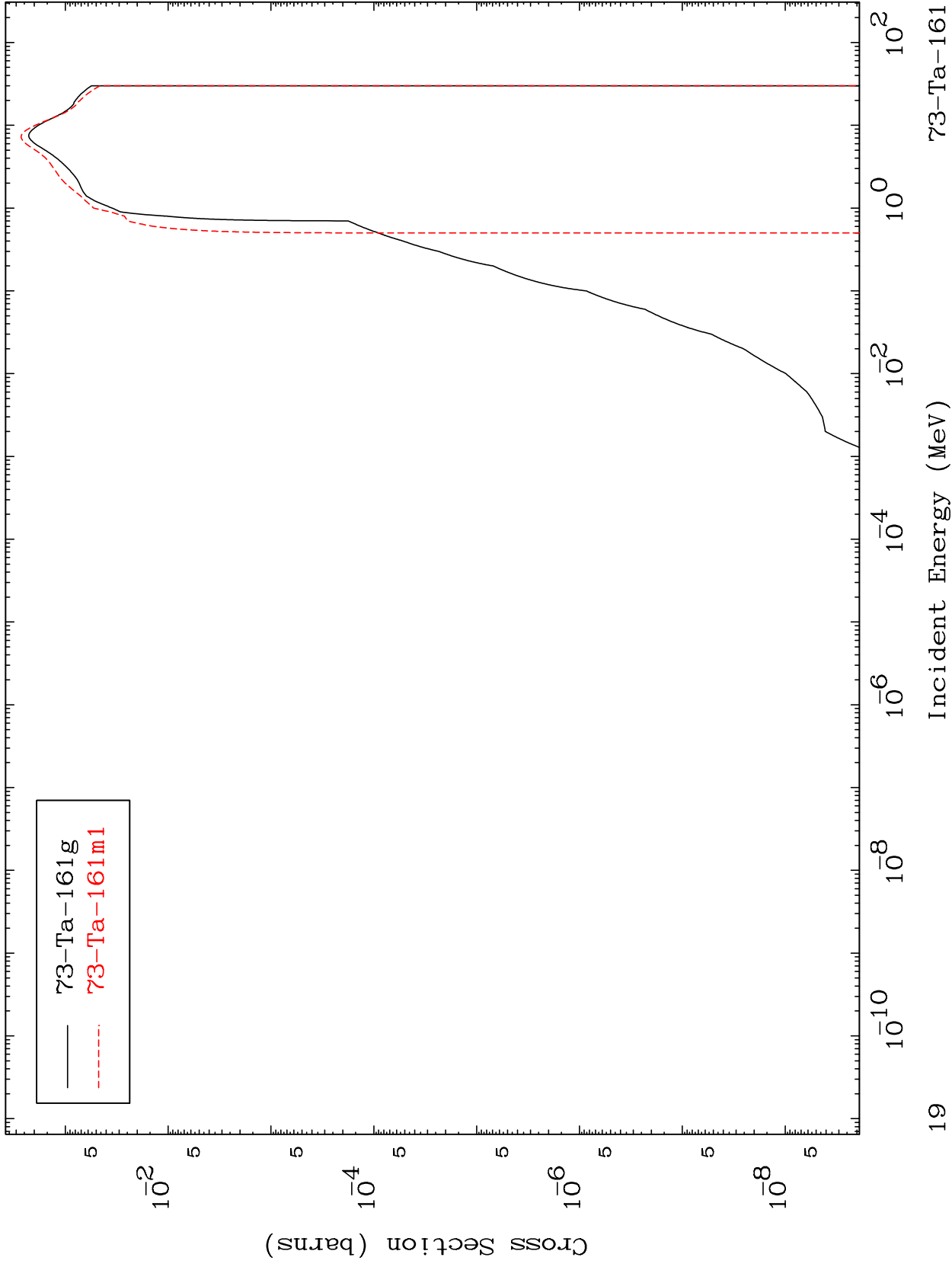
⁷³Ta-161



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Inelastic
Radionuclide Production Cross Section

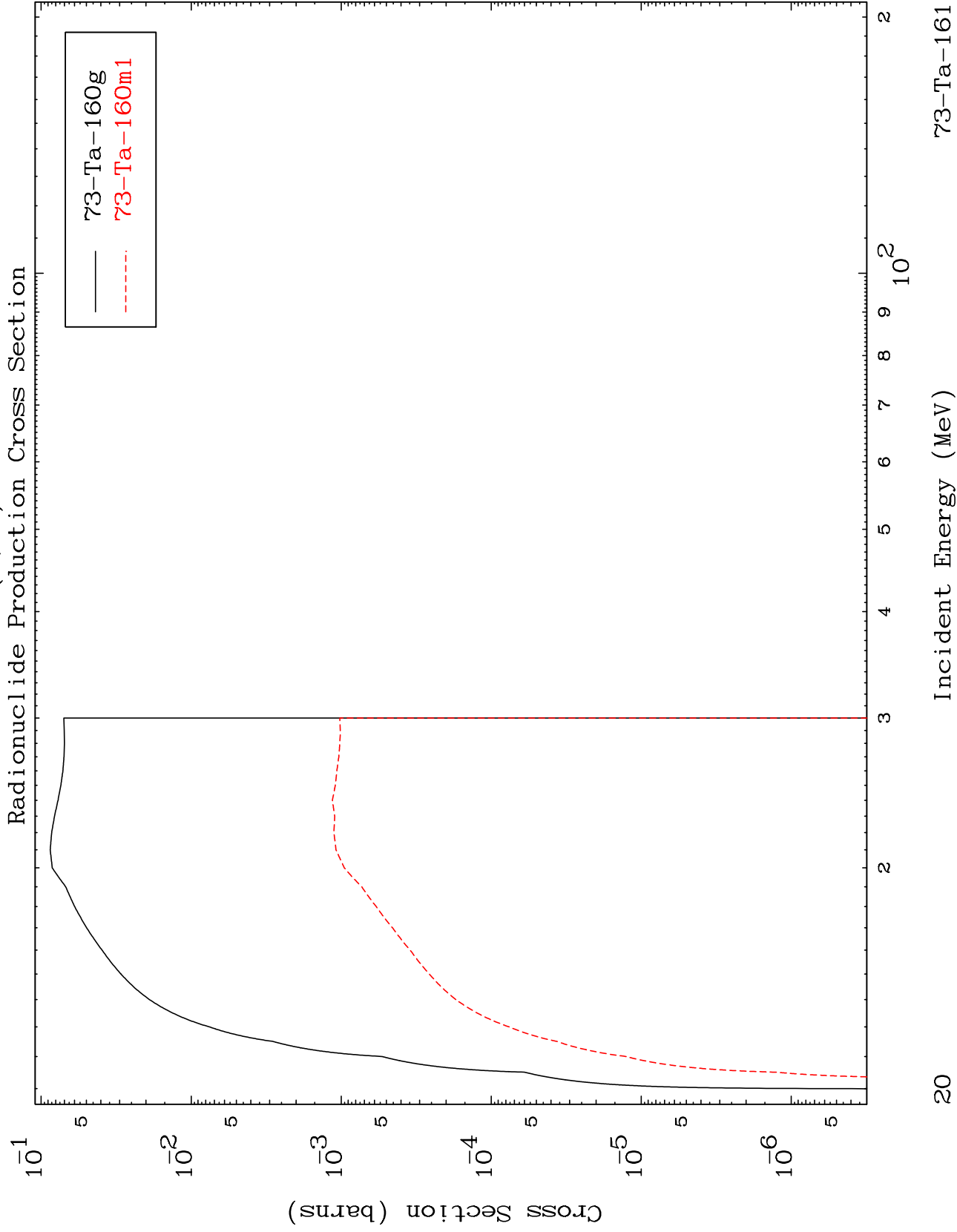
⁷³Ta-161



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(n,2n)

⁷³Ta-161



20

Incident Energy (MeV)

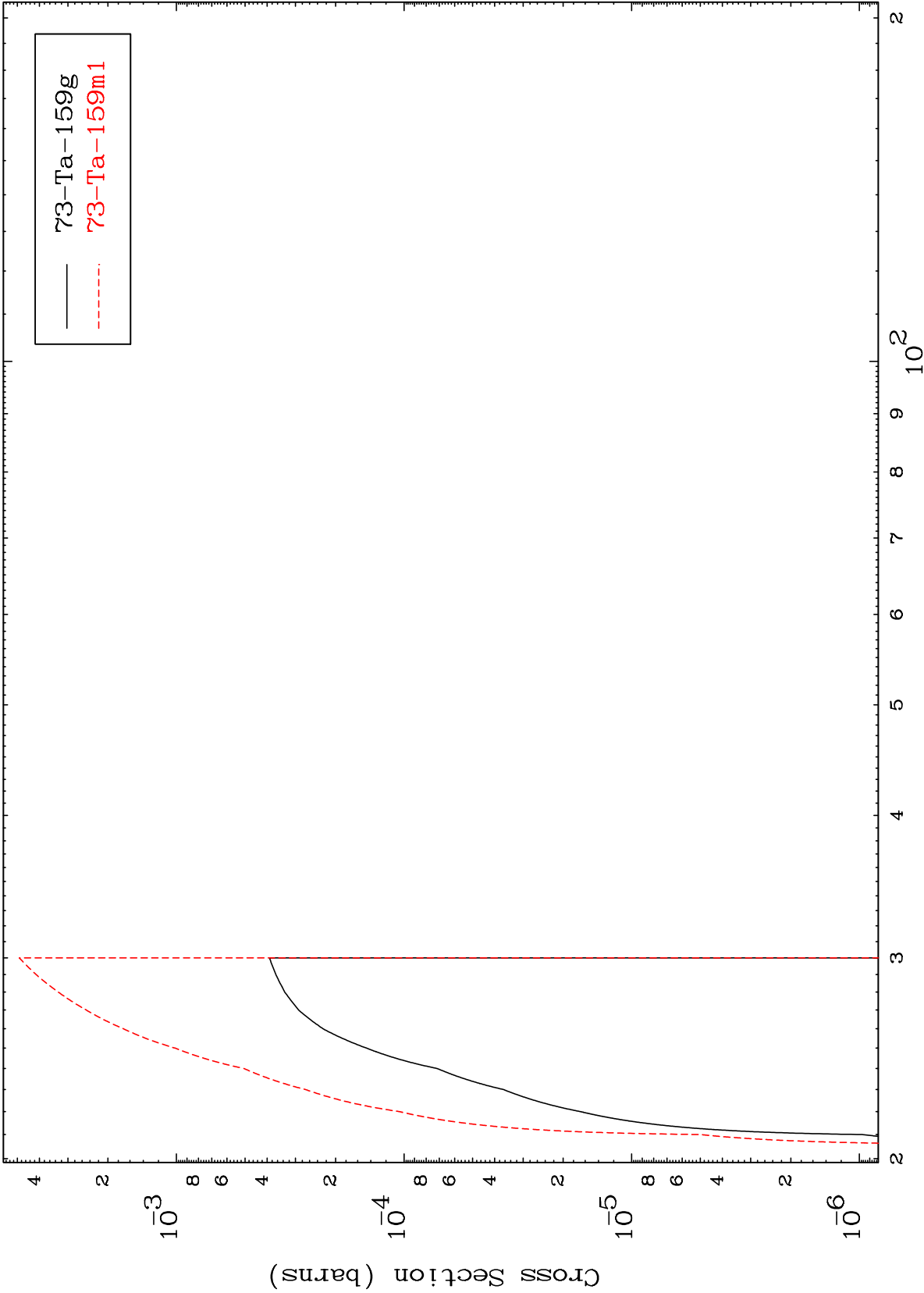
⁷³Ta-161

MAT 7269

(n,3n)

⁷³Ta-161

Radionuclide Production Cross Section



21

Incident Energy (MeV)

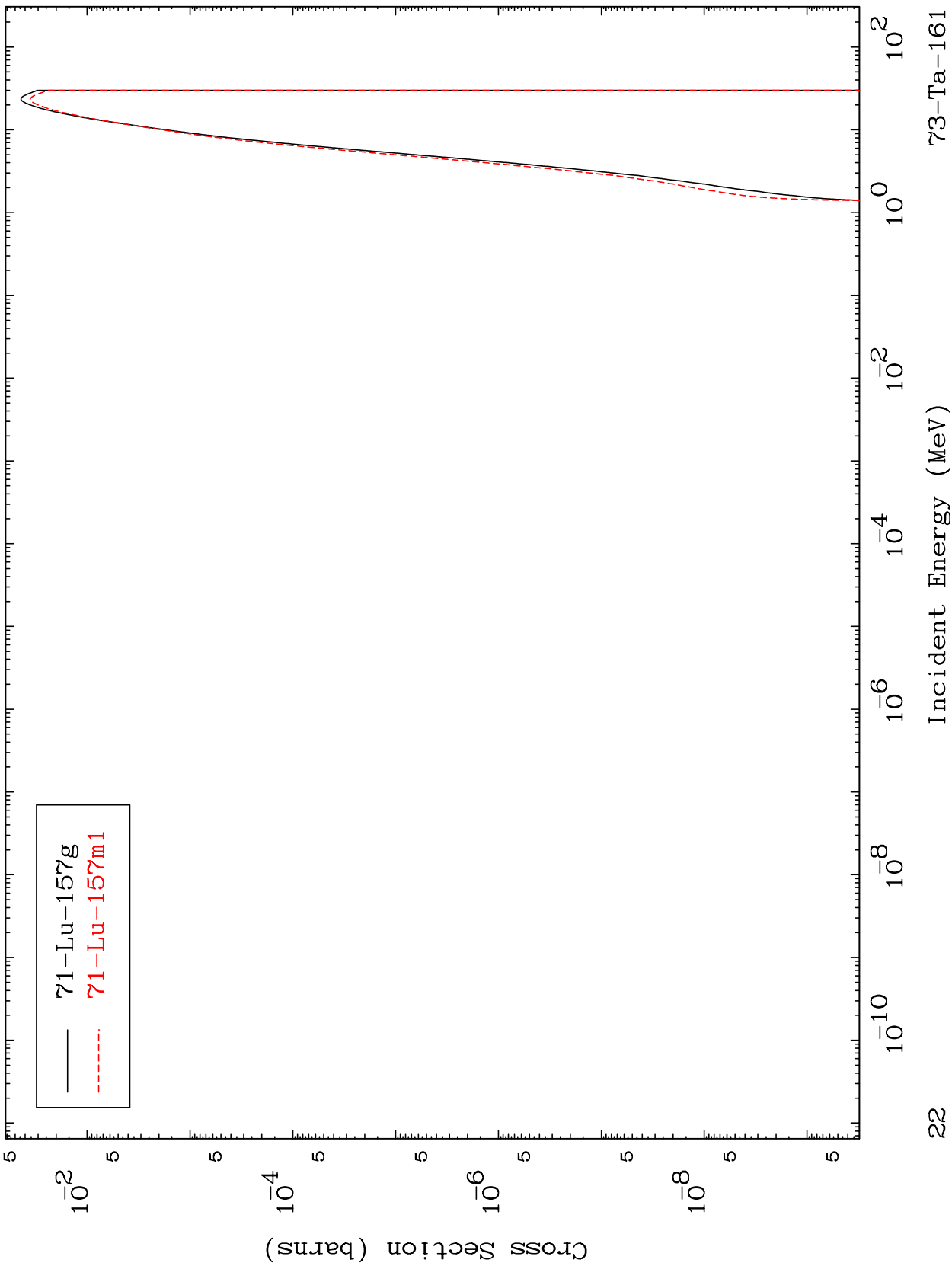
⁷³Ta-161

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(n, n') α

73-Ta-161

Radionuclide Production Cross Section



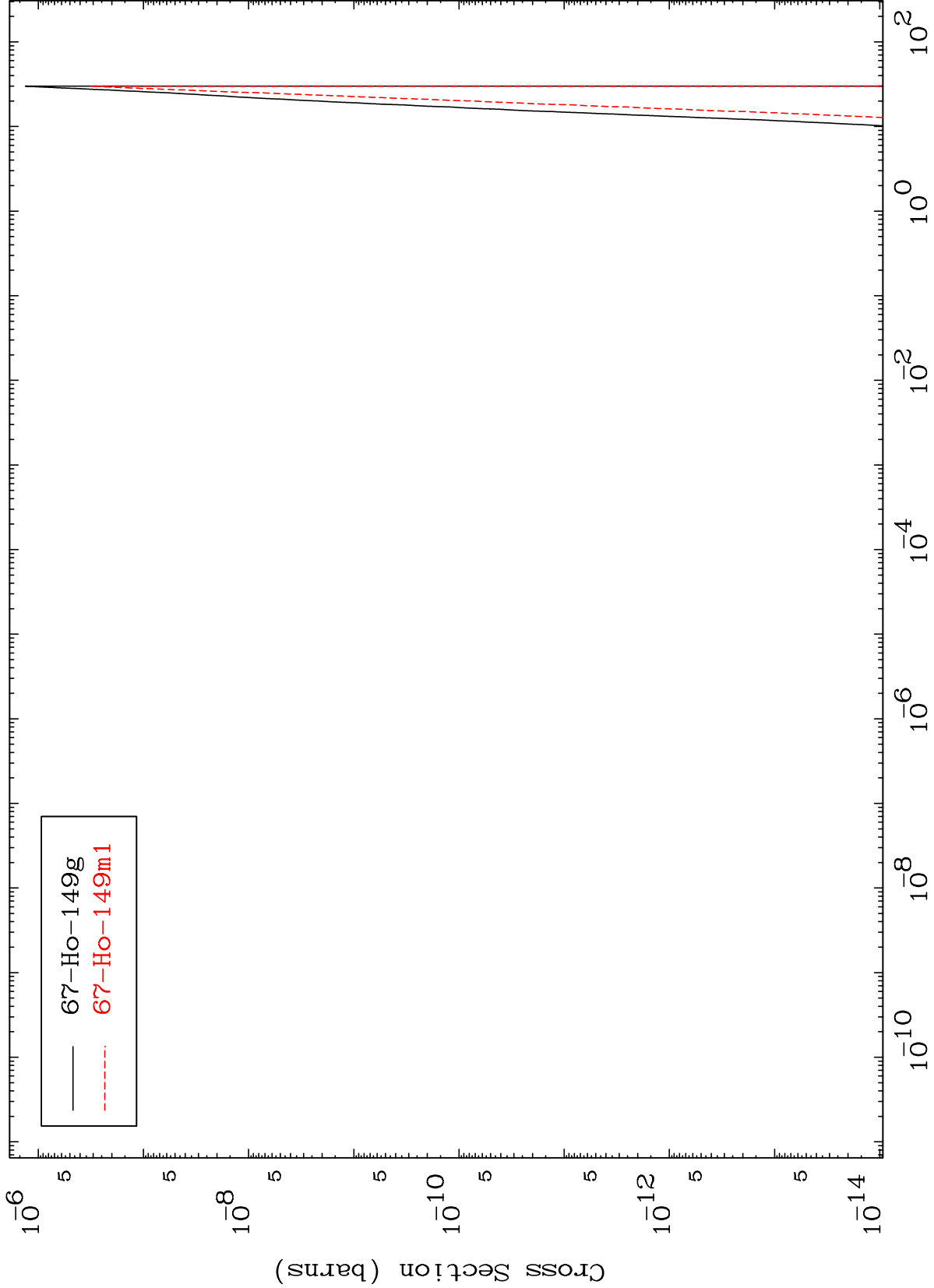
71-Lu-157g
71-Lu-157m1

MAT 7269

(n,n') 3 α

⁷³Ta-161

Radionuclide Production Cross Section



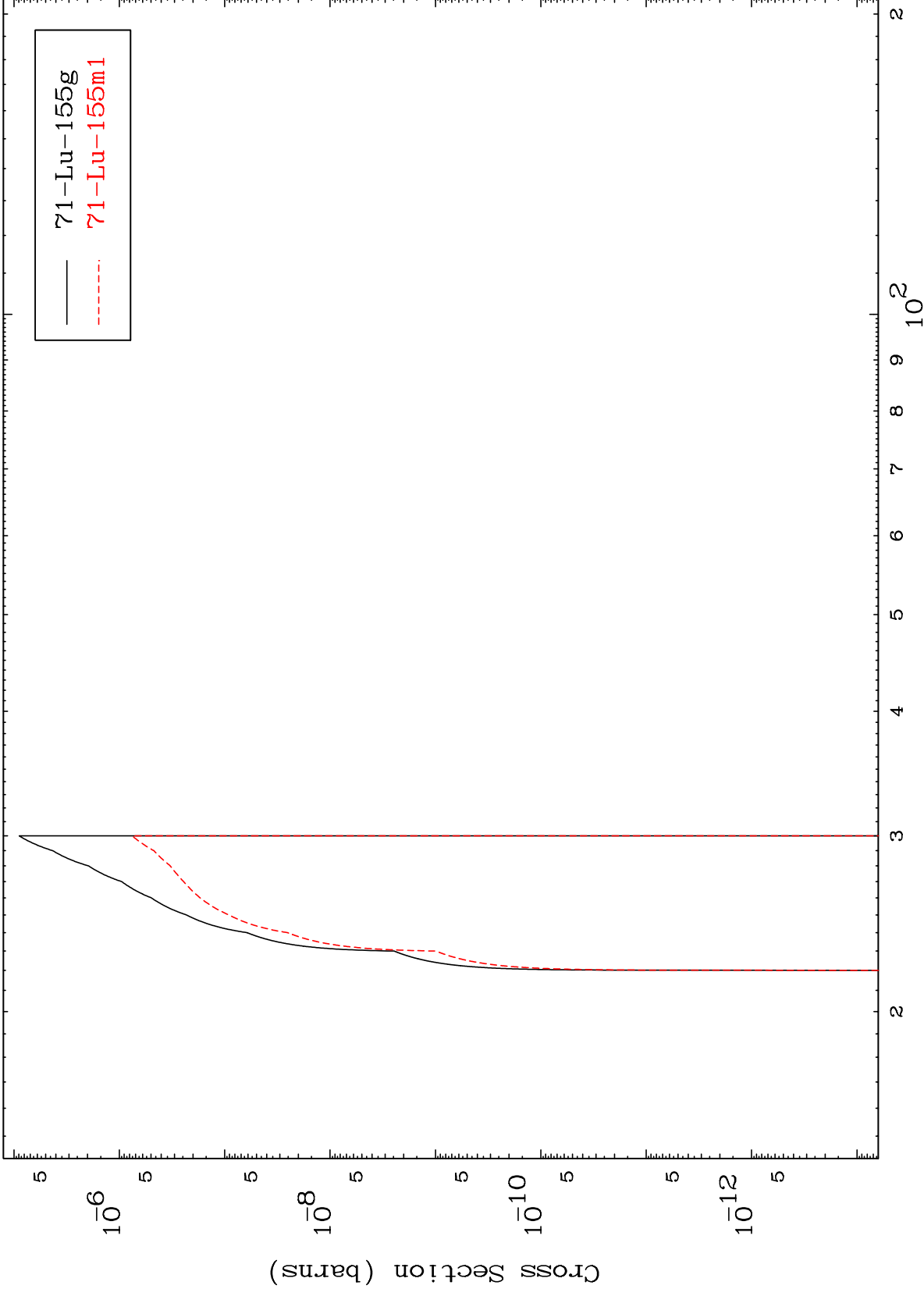
— 67-Ho-149g
- - - 67-Ho-149m1

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(n,3n) α

73-Ta-161

Radionuclide Production Cross Section



71-Lu-155g
71-Lu-155m1

24

Incident Energy (MeV)

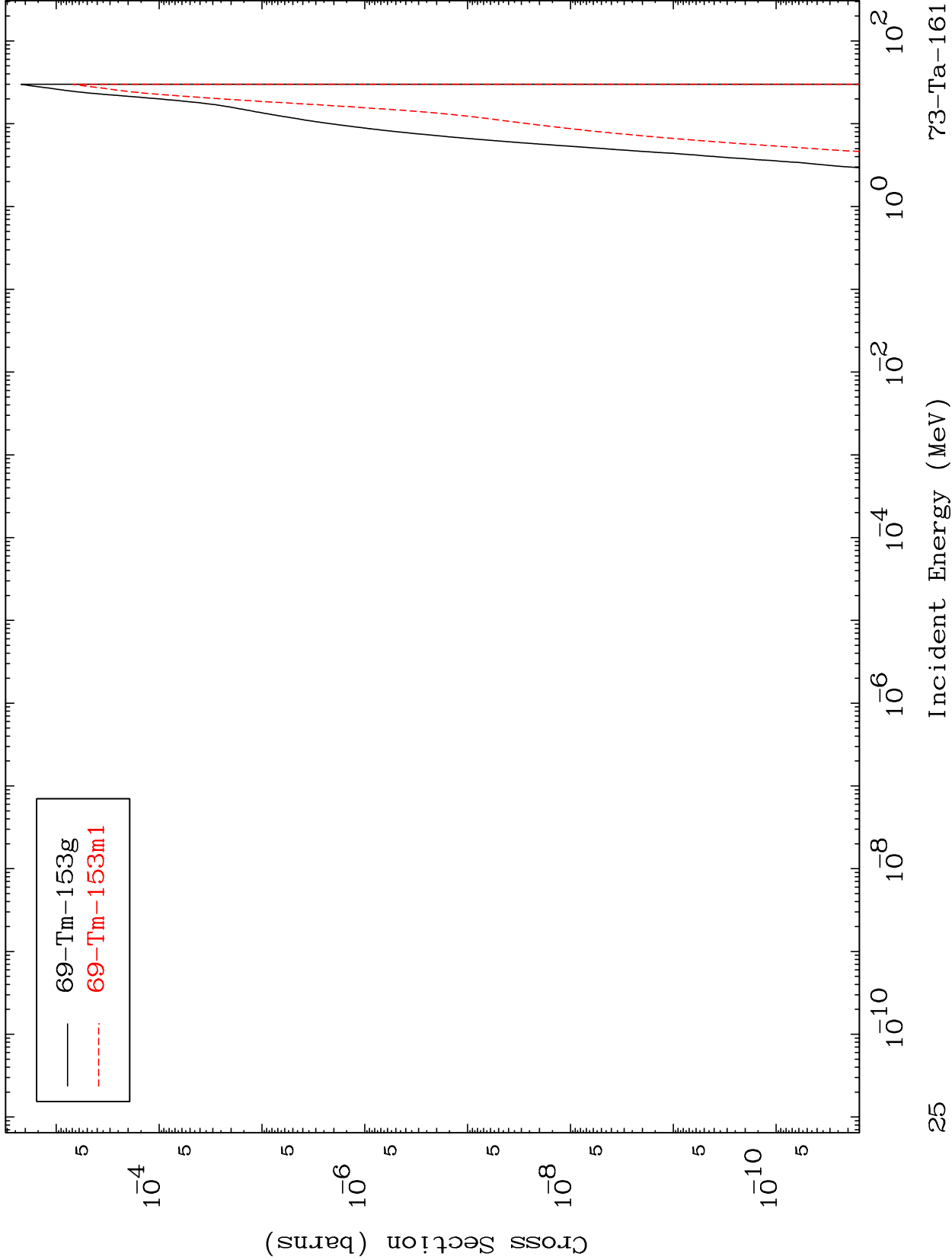
73-Ta-161

MAT 7269

(n,n') 2α

73-Ta-161

Radionuclide Production Cross Section

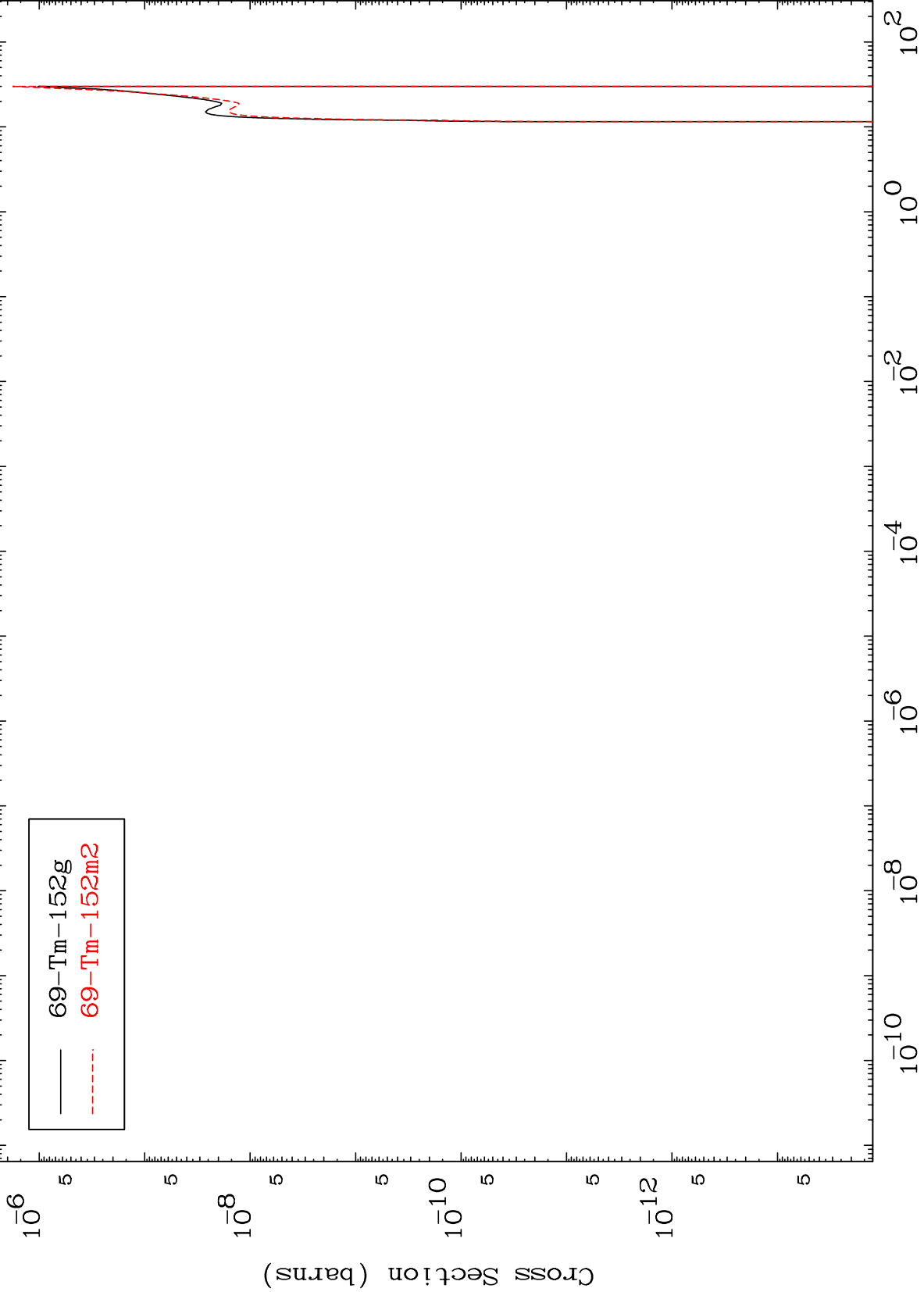


MAT 7269

(n,2n) 2α

73-Ta-161

Radionuclide Production Cross Section

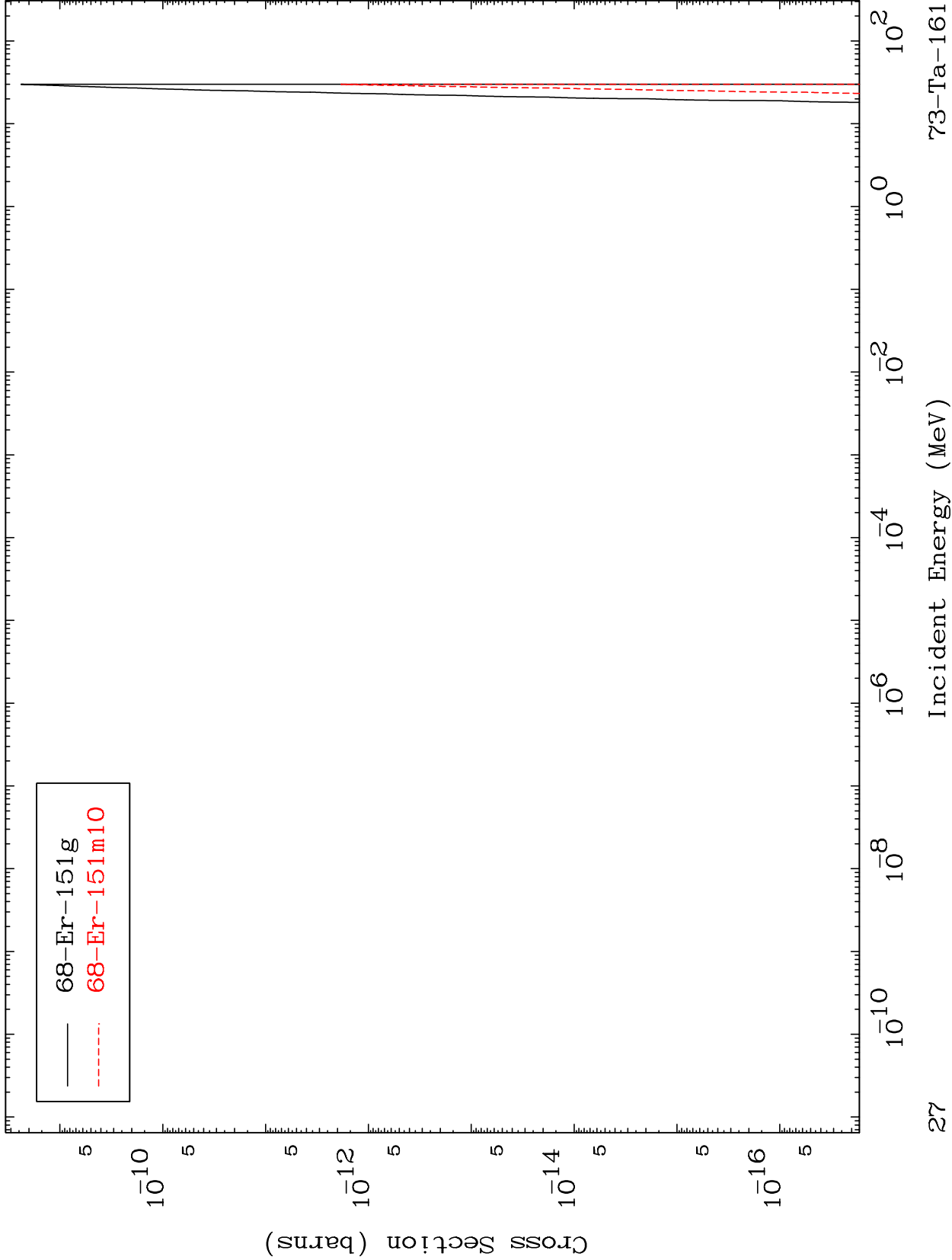


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(n,n') d,2 α

⁷³Ta-161

Radionuclide Production Cross Section

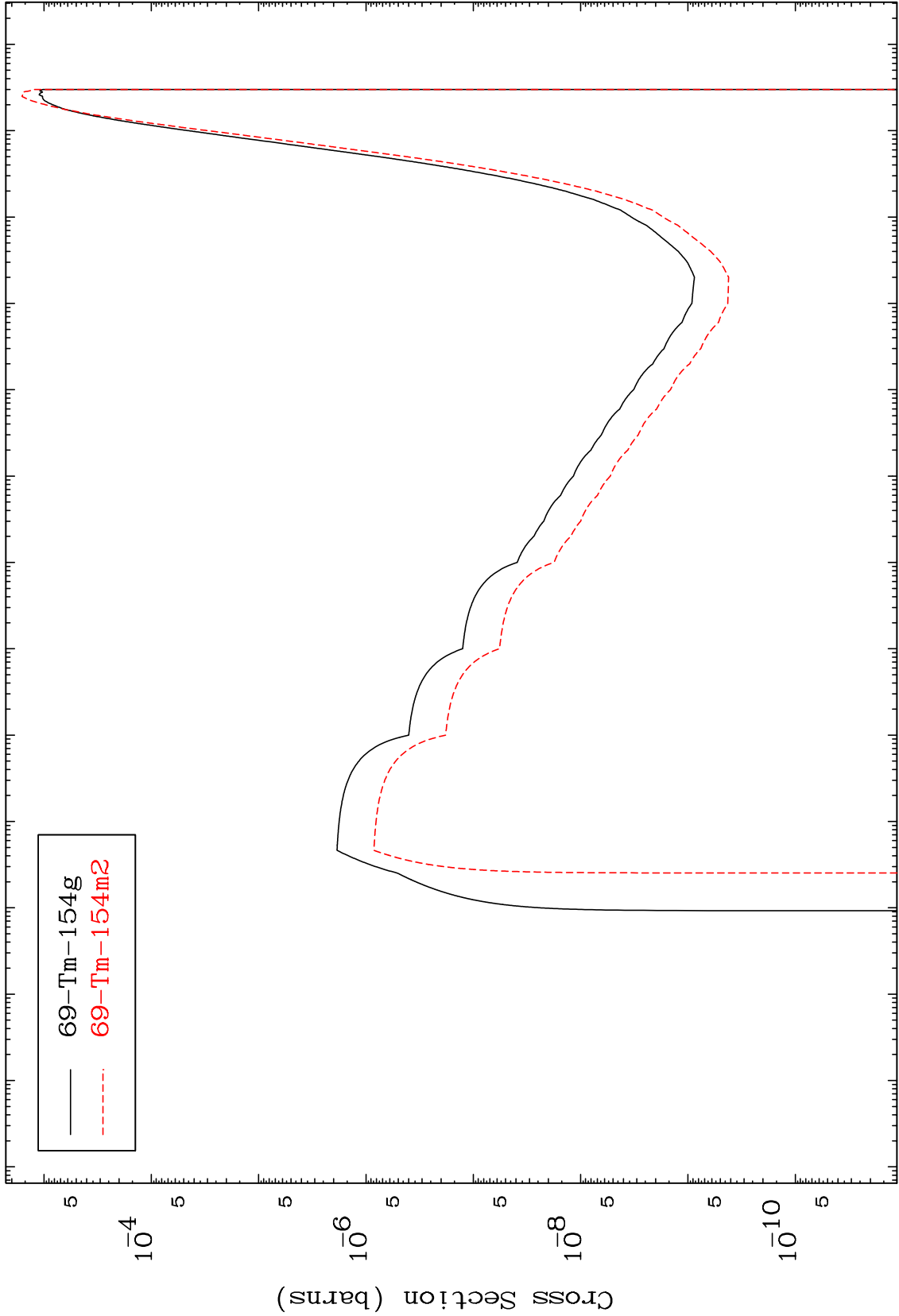
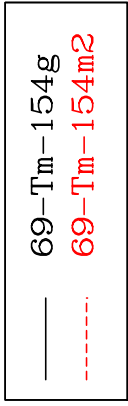


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(n,2α)

73-Ta-161

Radionuclide Production Cross Section



73-Ta-161

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10⁰

10²

Incident Energy (MeV)

73-Ta-161

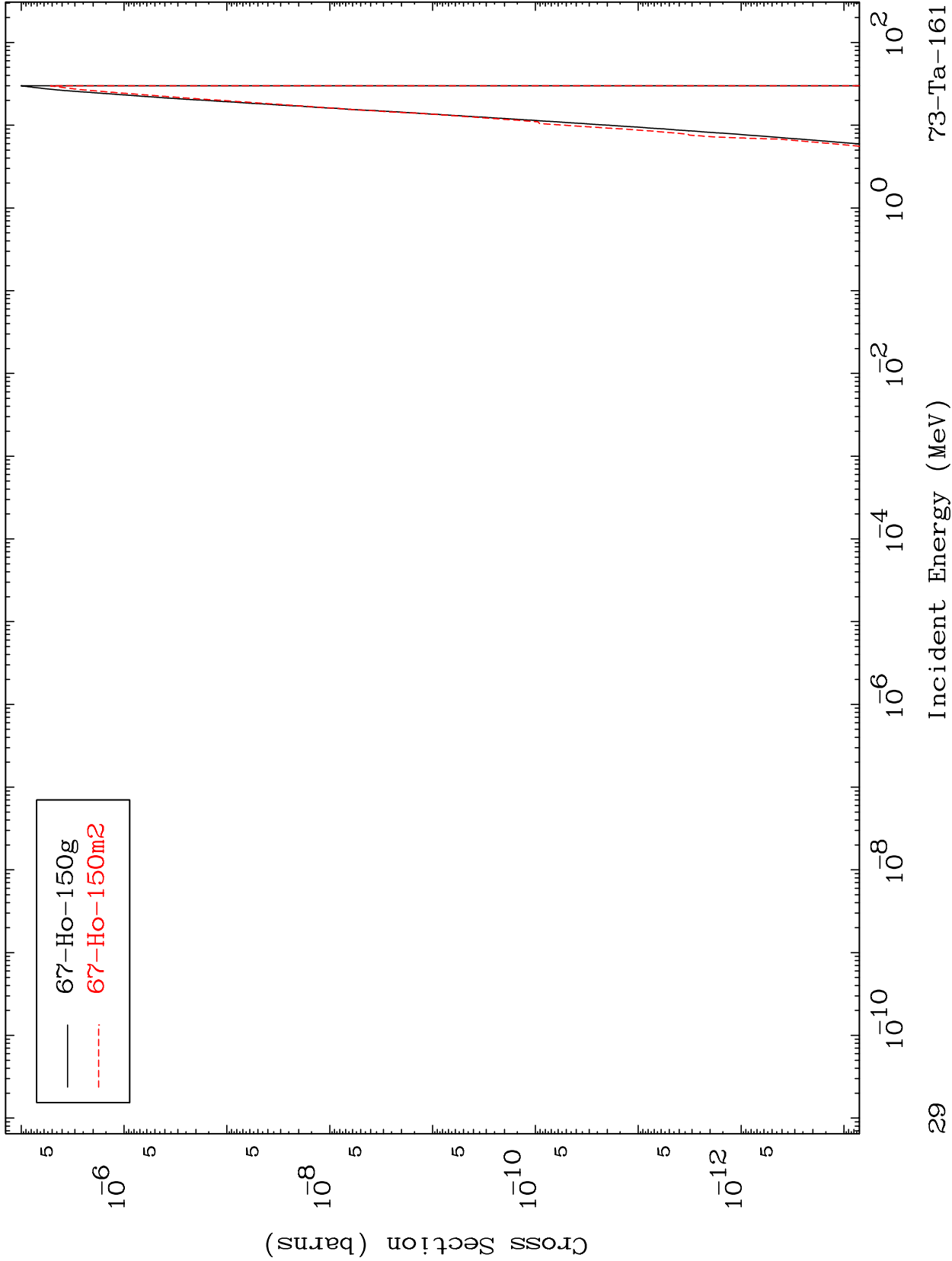
28

MAT 7269

(n, 3α)

73-Ta-161

Radionuclide Production Cross Section

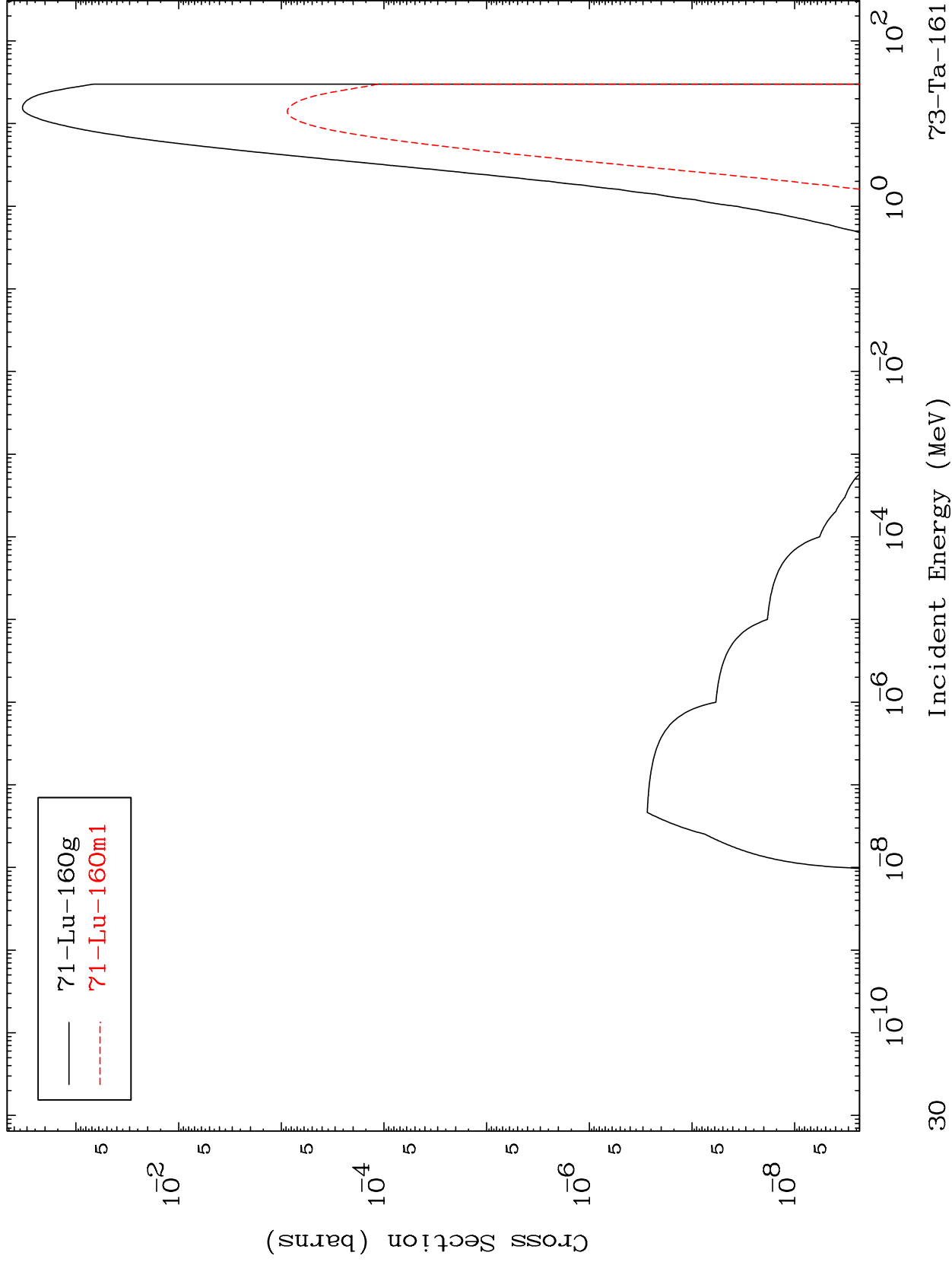


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(n,2p)

73-Ta-161

Radionuclide Production Cross Section



30

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$(n, t) 2\alpha$

$^{73}\text{Ta-161}$

Radionuclide Production Cross Section

