

Program EVALPLOT  
(Version 2021-1)

by

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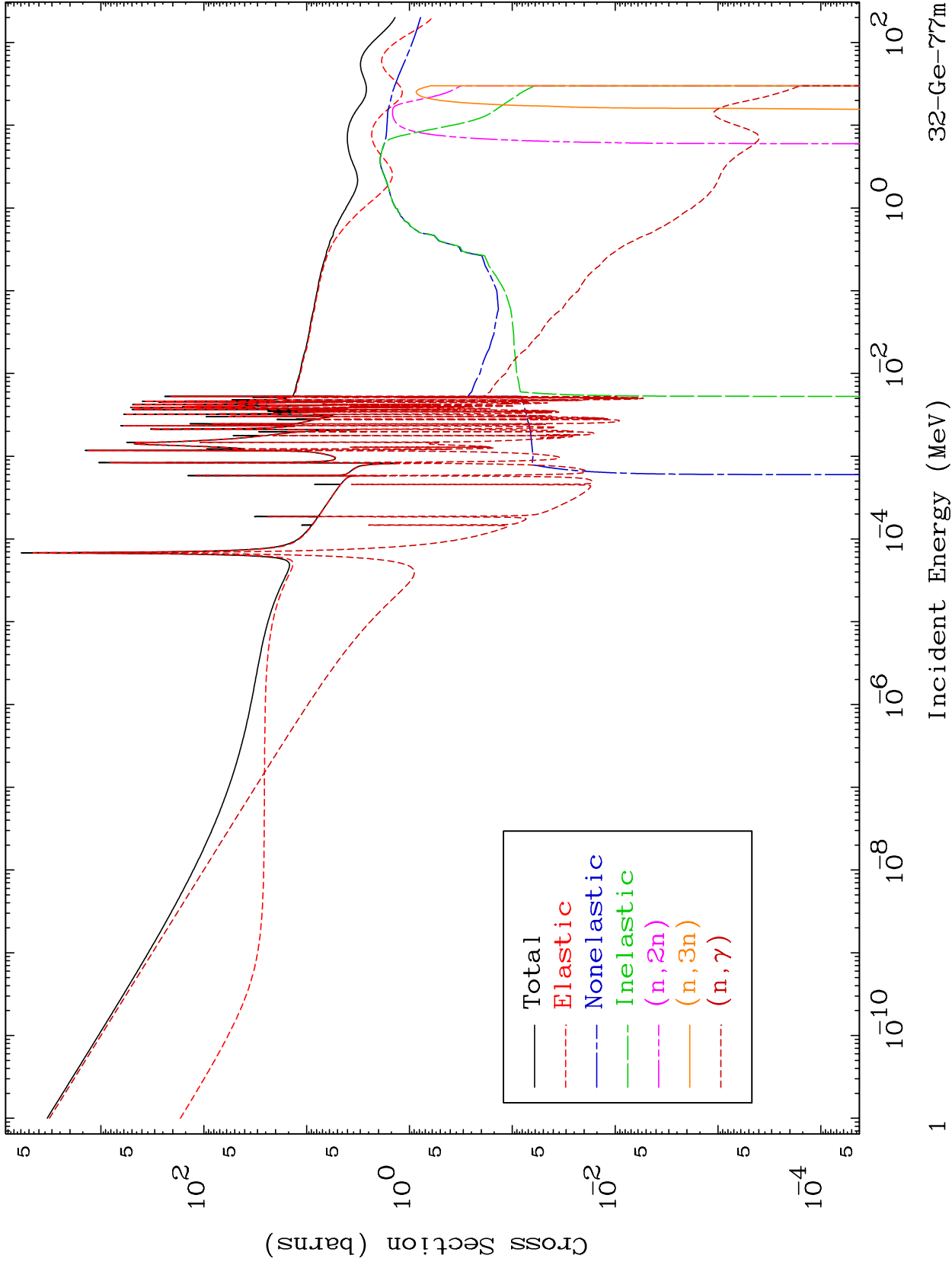
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3247

Neutron Major  
293 Kelvin Cross Sections

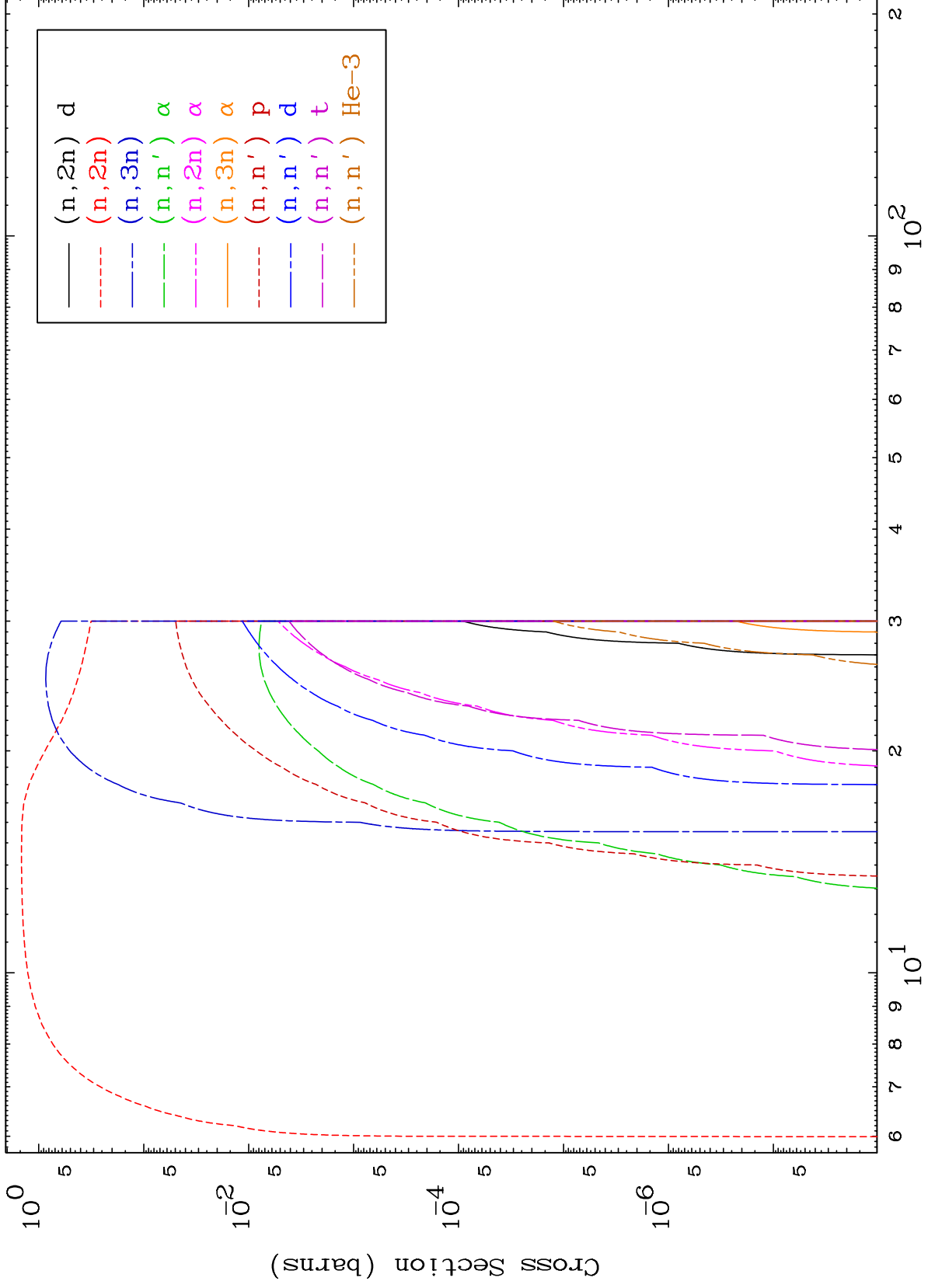
<sup>32</sup>Ge-77m



MAT 3247

Neutron Absorption  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77m



2

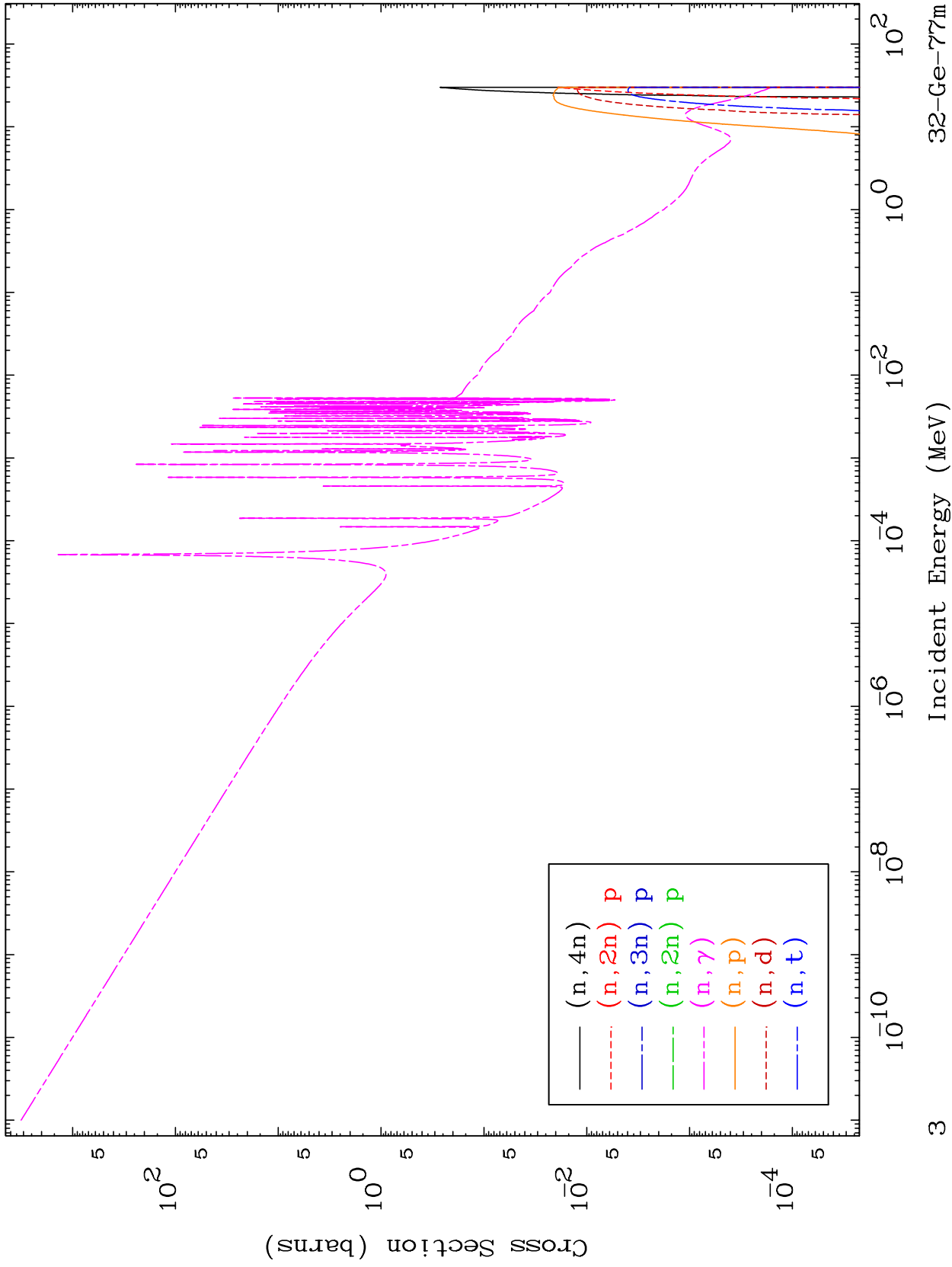
Incident Energy (MeV)

<sup>32</sup>Ge-77m

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Neutron Absorption  
293 Kelvin Cross Sections

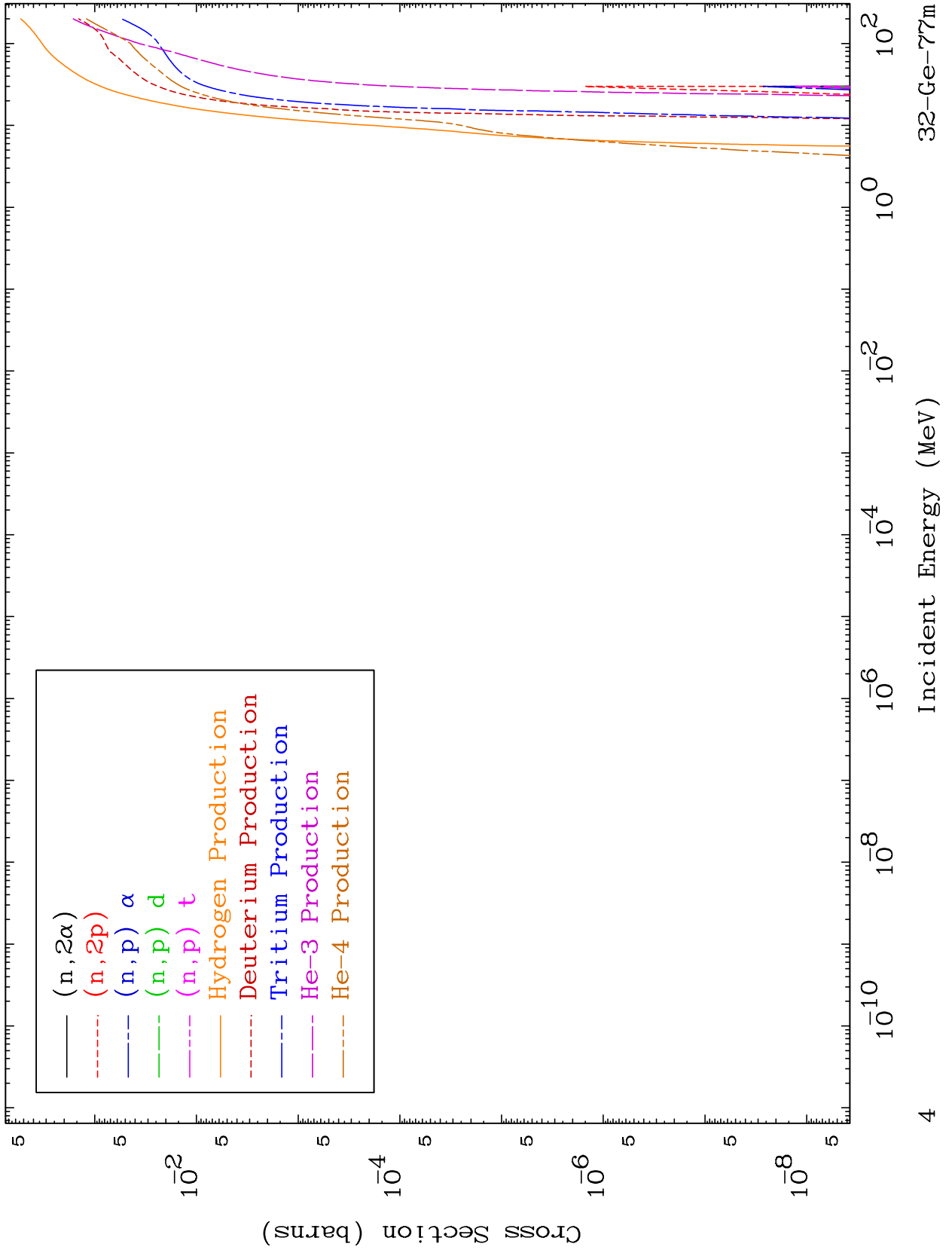
32-Ge-77m



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Neutron Absorption  
293 Kelvin Cross Sections

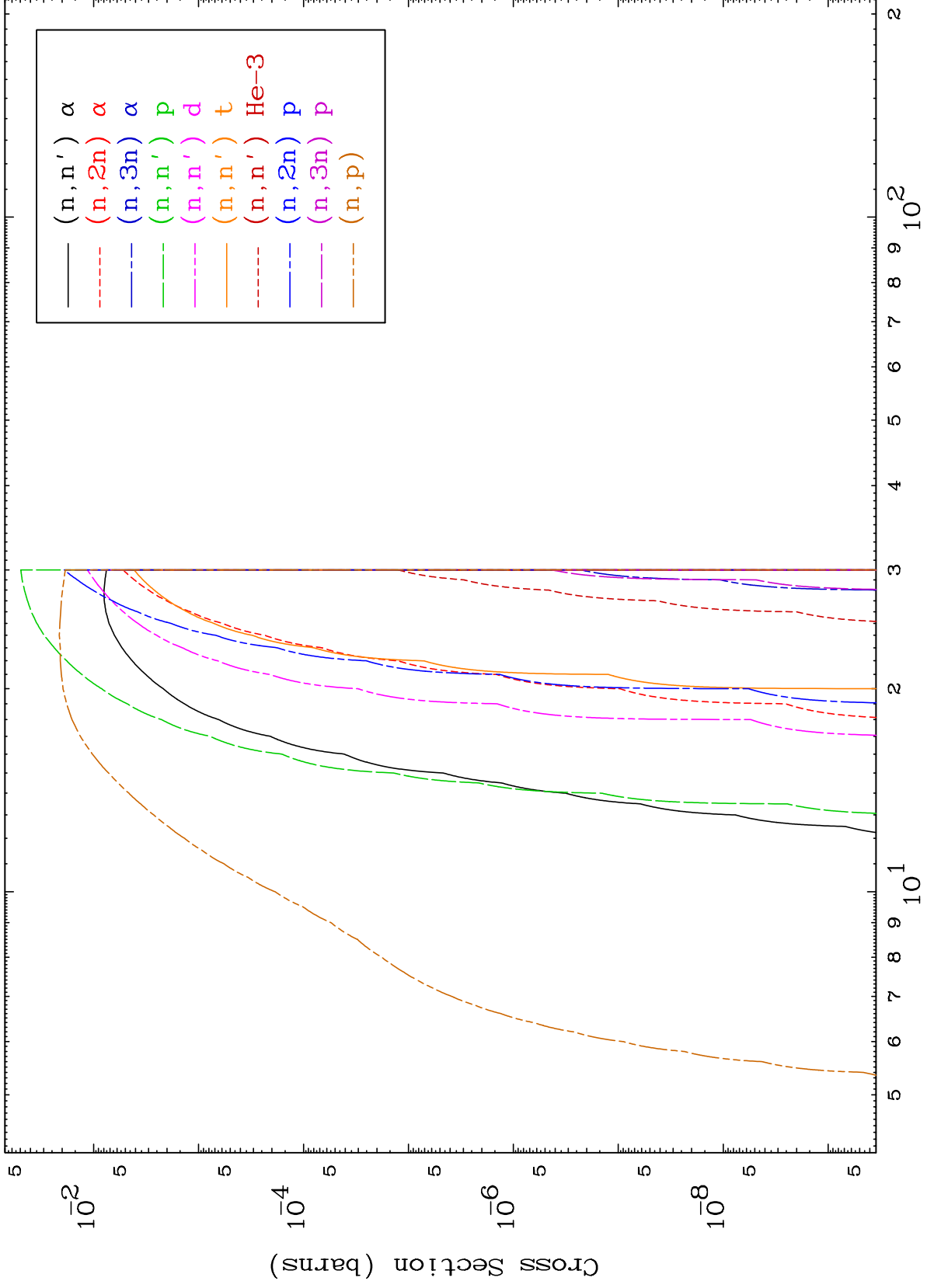
<sup>32</sup>Ge-77m



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Charged Particle  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77m



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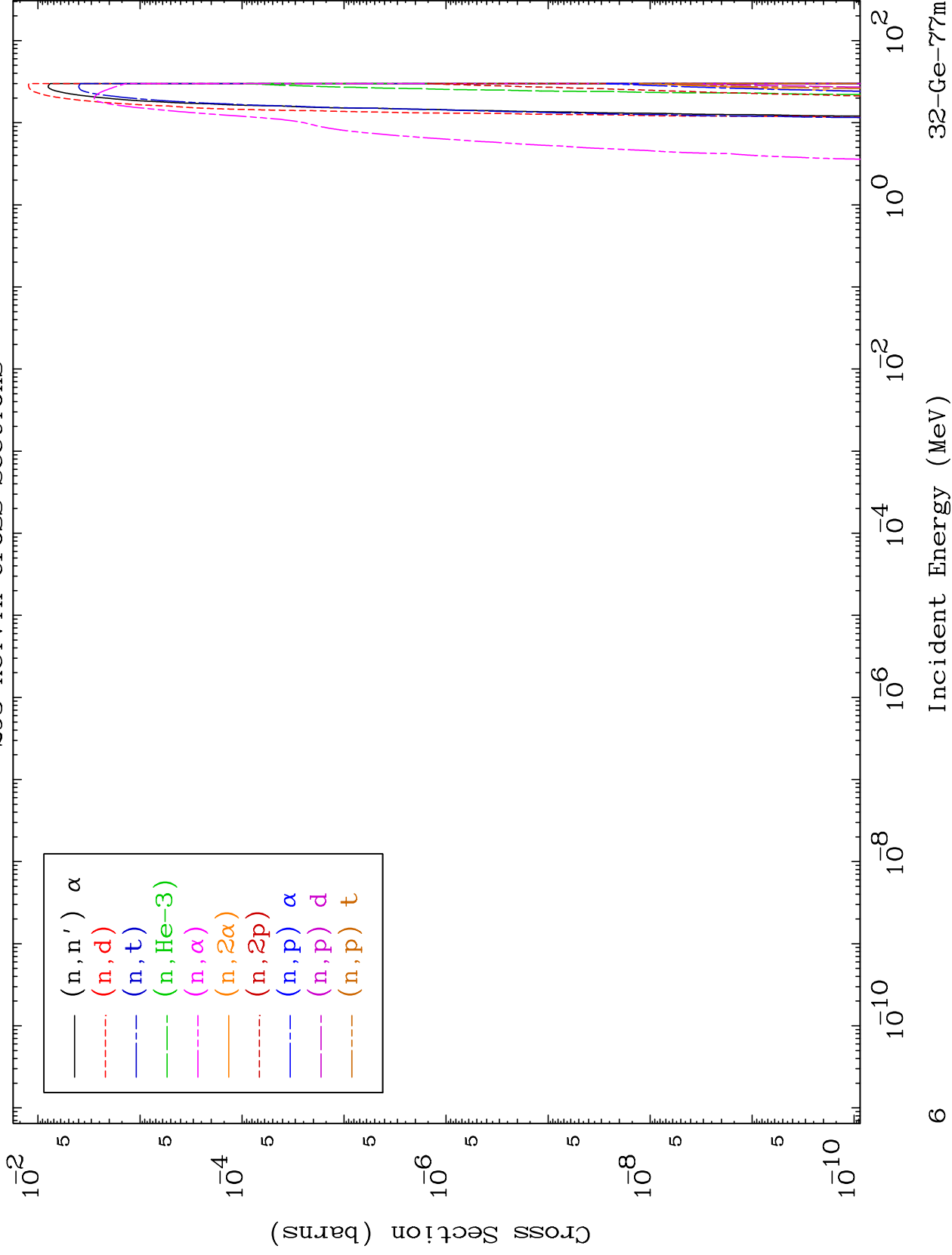
Incident Energy (MeV)

<sup>32</sup>Ge-77m

MAT 3247

Charged Particle  
293 Kelvin Cross Sections

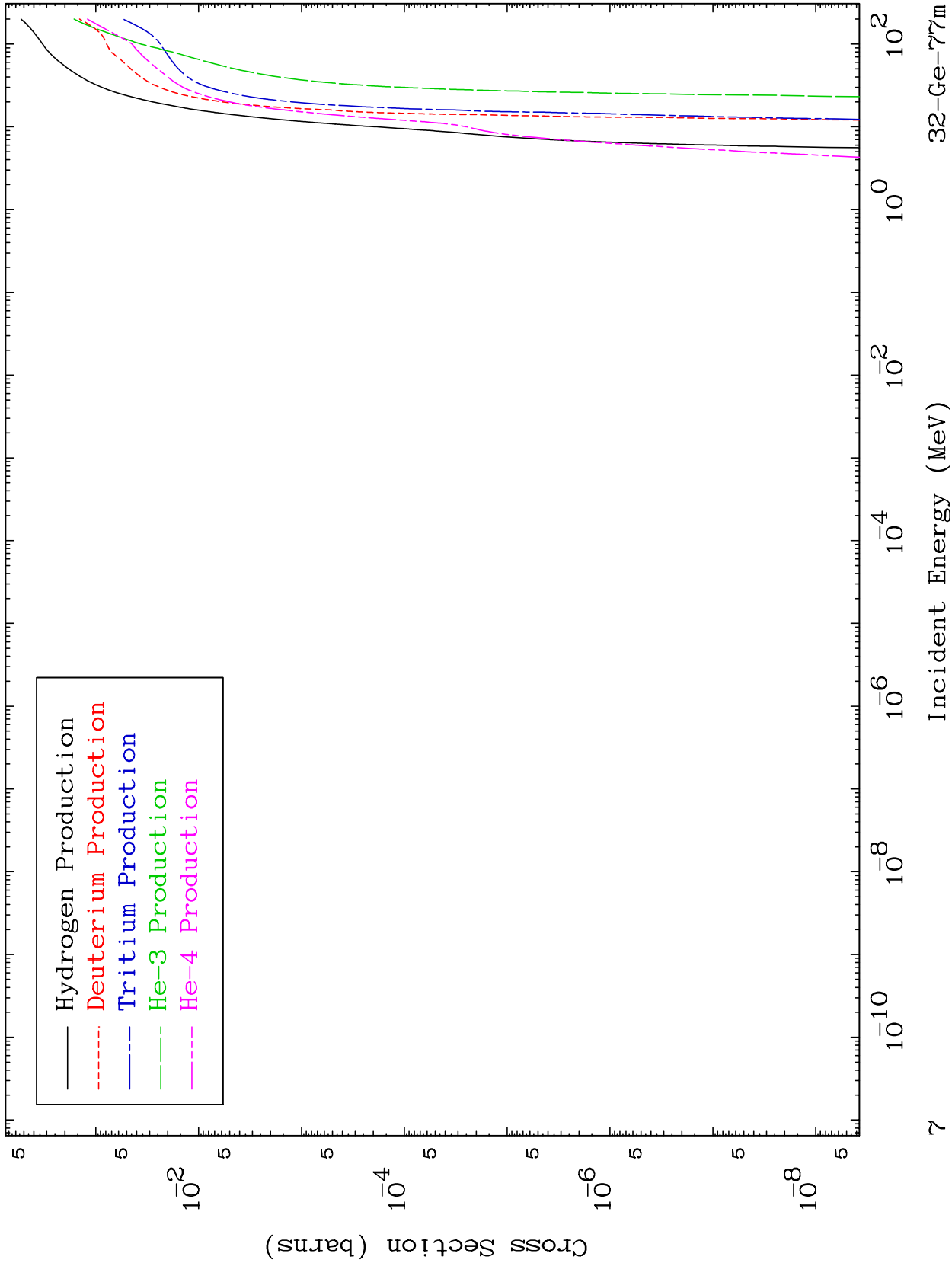
<sup>32</sup>Ge-77m



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Particle Production  
293 Kelvin Cross Sections

32-Ge-77m

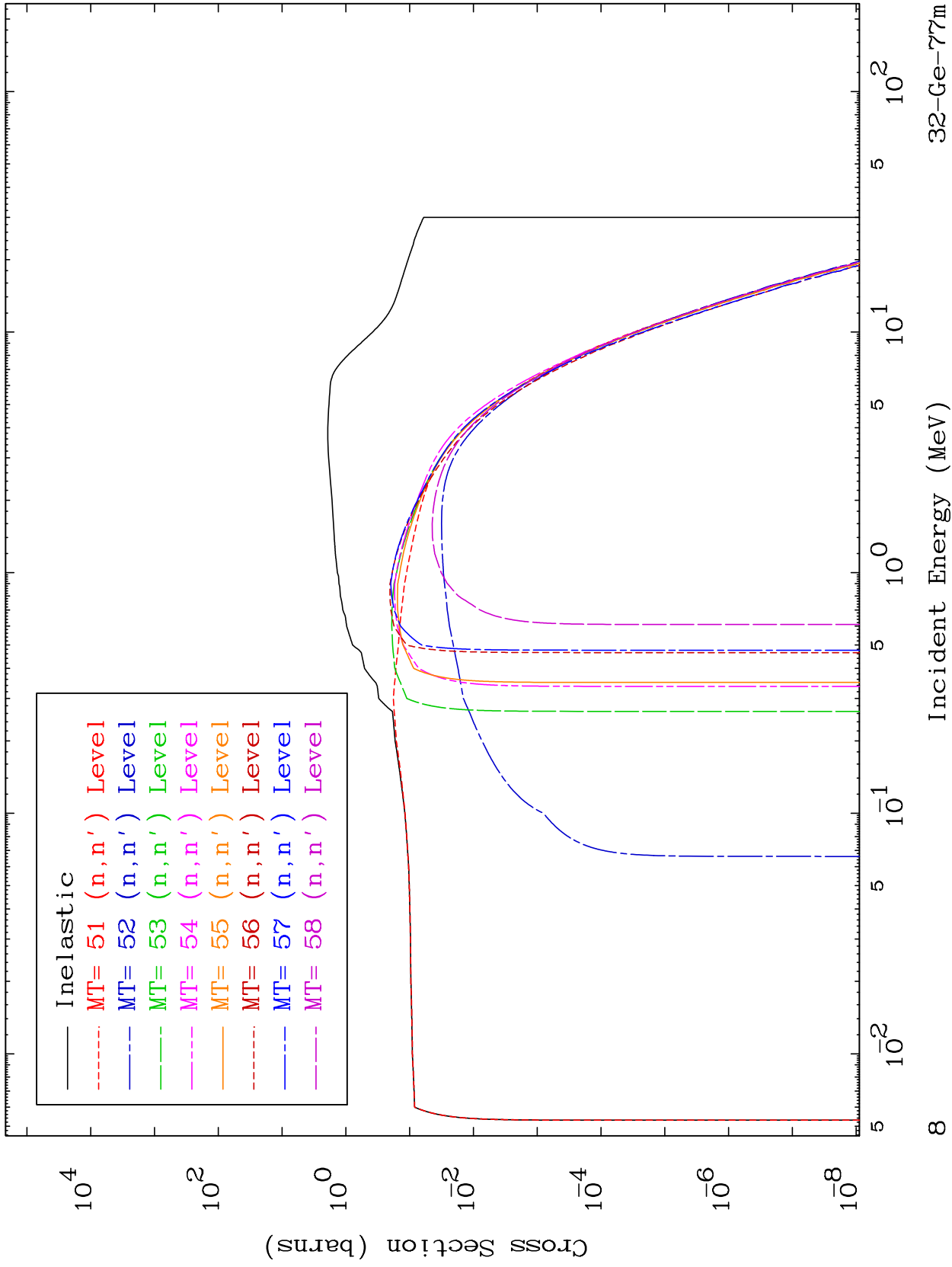




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(n,n') Levels  
293 Kelvin Cross Sections

32-Ge-77m



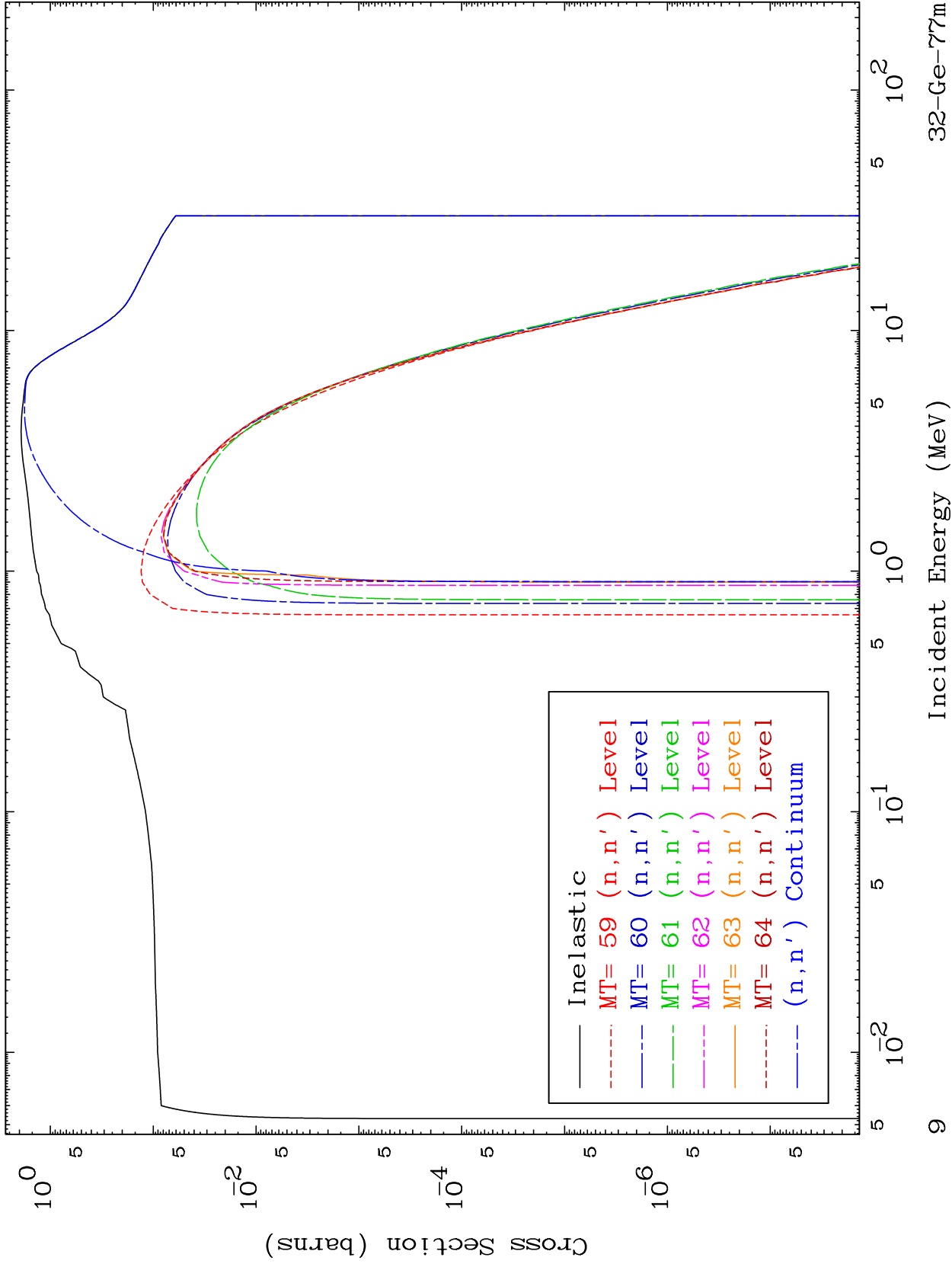
8

32-Ge-77m

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(n,n') Levels  
293 Kelvin Cross Sections

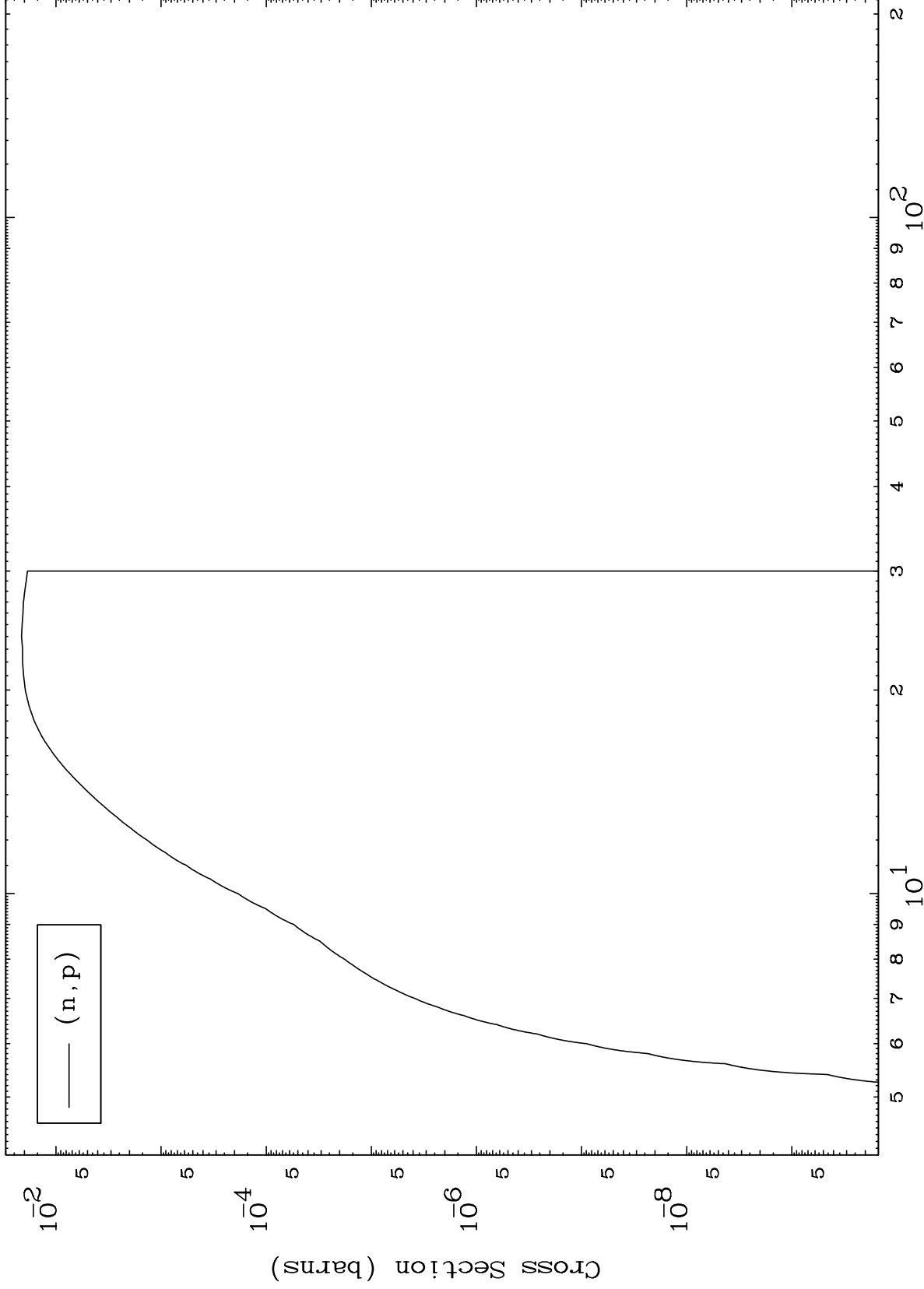
32-Ge-77m



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(n,p) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77m



(n,p)

10

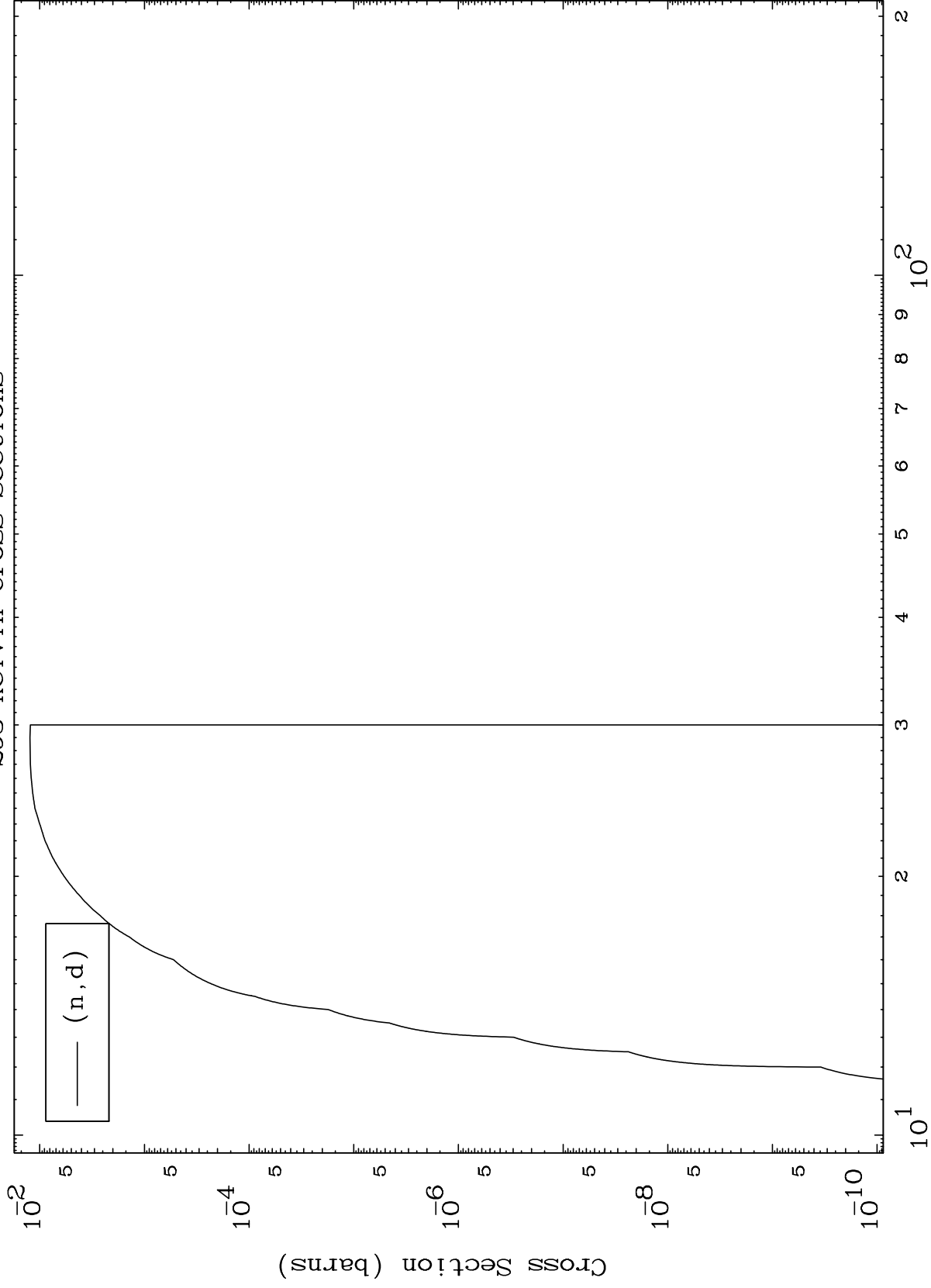
Incident Energy (MeV)

<sup>32</sup>Ge-77m

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(n,d) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77m



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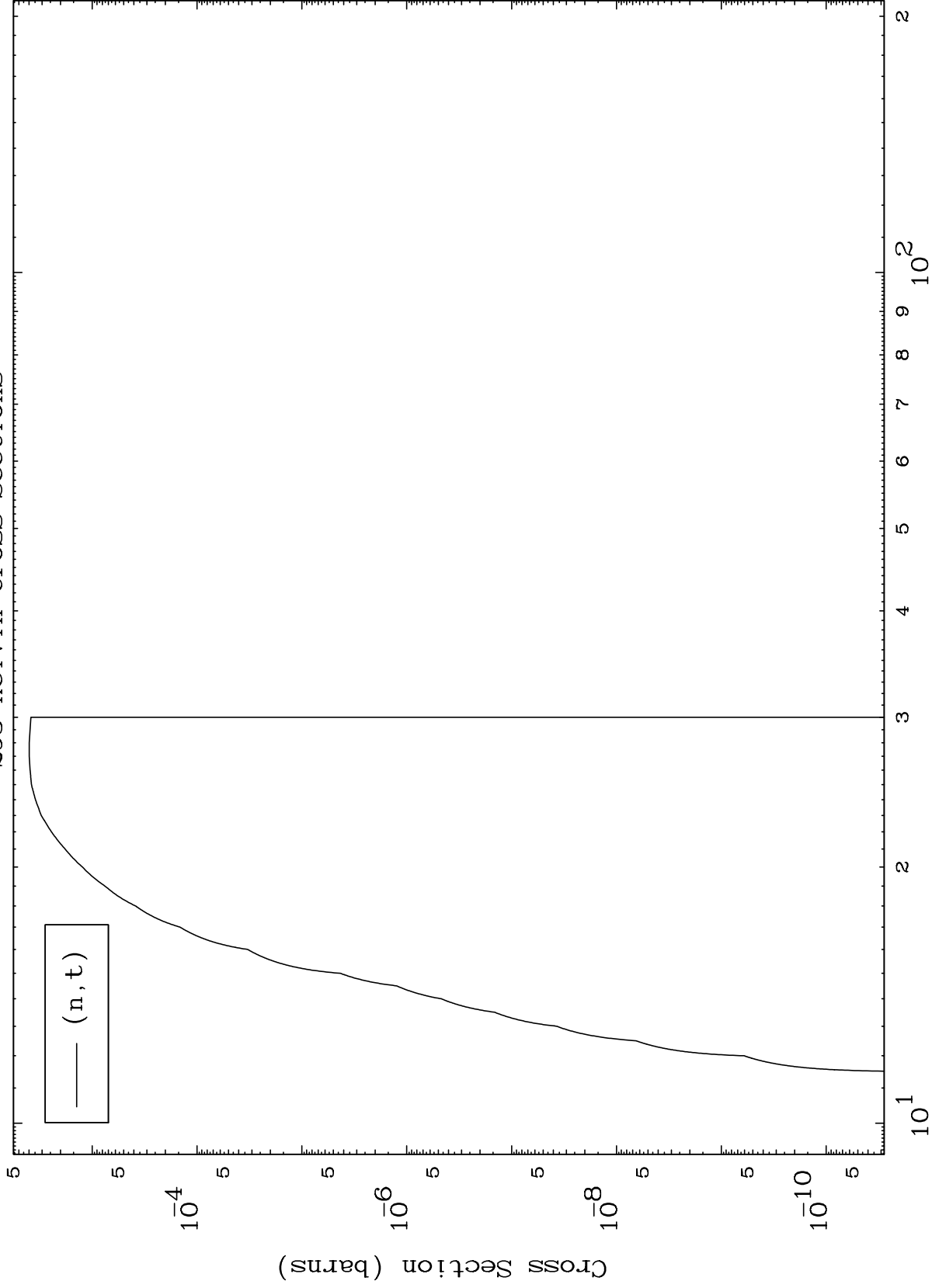
Incident Energy (MeV)

<sup>32</sup>Ge-77m

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(n,t) Levels  
293 Kelvin Cross Sections

32-Ge-77m



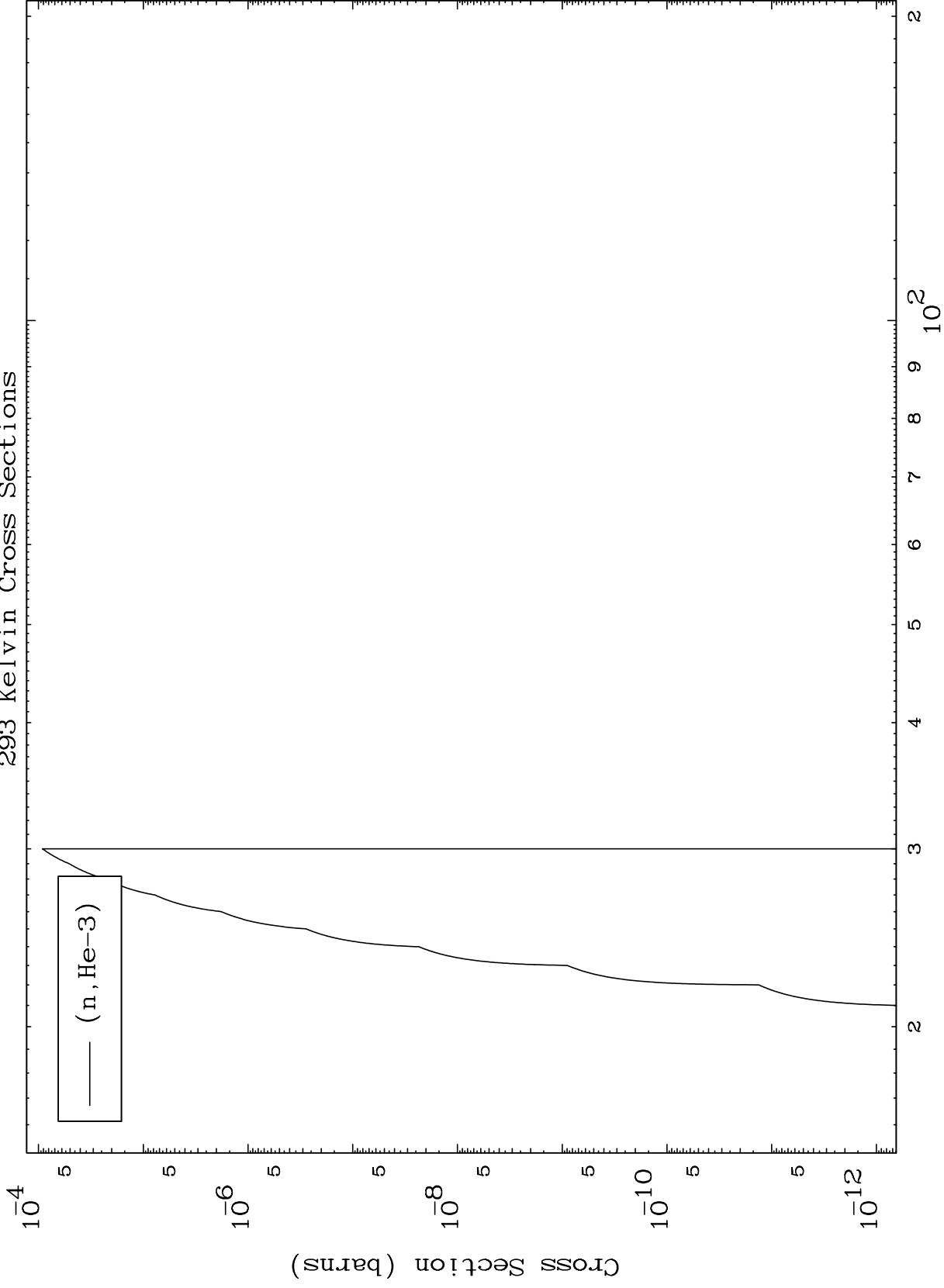
Incident Energy (MeV)

32-Ge-77m

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(n,He3) Levels  
293 Kelvin Cross Sections

32-Ge-77m



13

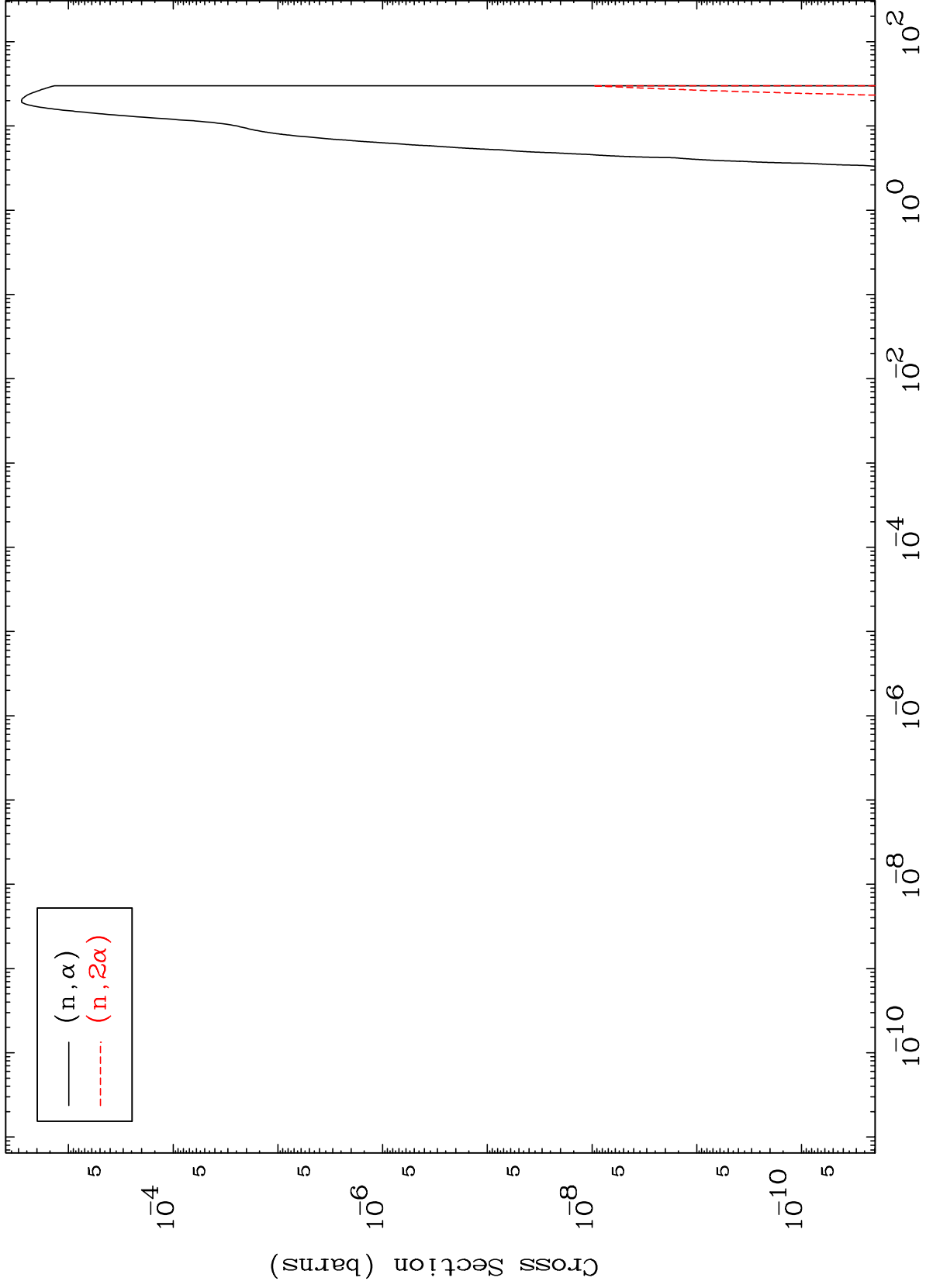
Incident Energy (MeV)

32-Ge-77m

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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

<sup>32</sup>Ge-77m



14

Incident Energy (MeV)

<sup>32</sup>Ge-77m

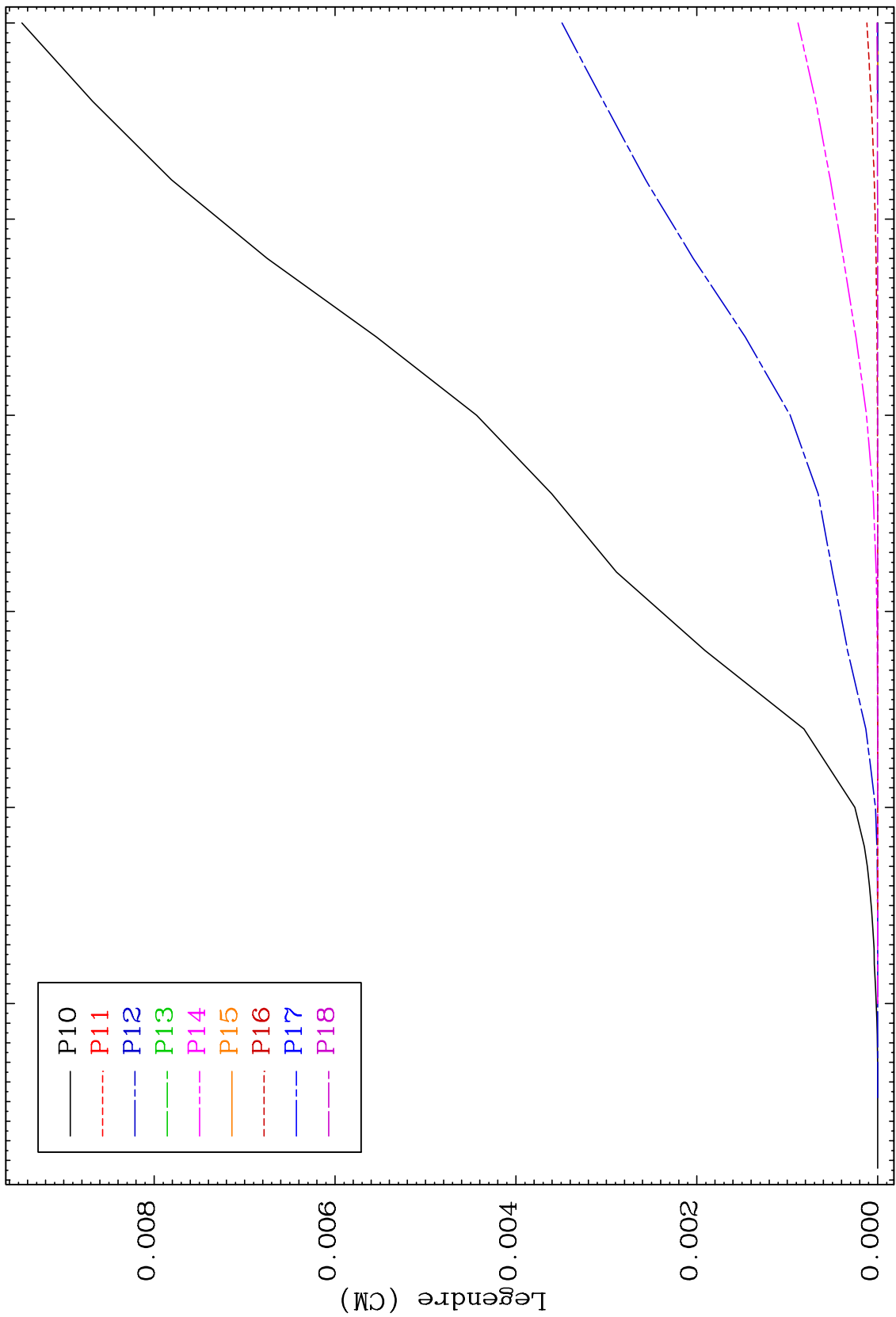




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### Elastic Legendre Coefficients

<sup>32</sup>Ge-<sup>77</sup>m



<sup>32</sup>Ge-<sup>77</sup>m

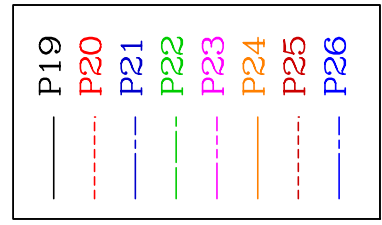
Incident Energy (MeV)

16

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Elastic Legendre Coefficients

<sup>32</sup>Ge-<sup>77</sup>m



$\times 10^{-7}$

Legendre (CM)

4  
3  
2  
1  
0

15

20

25

30

17

Incident Energy (MeV)

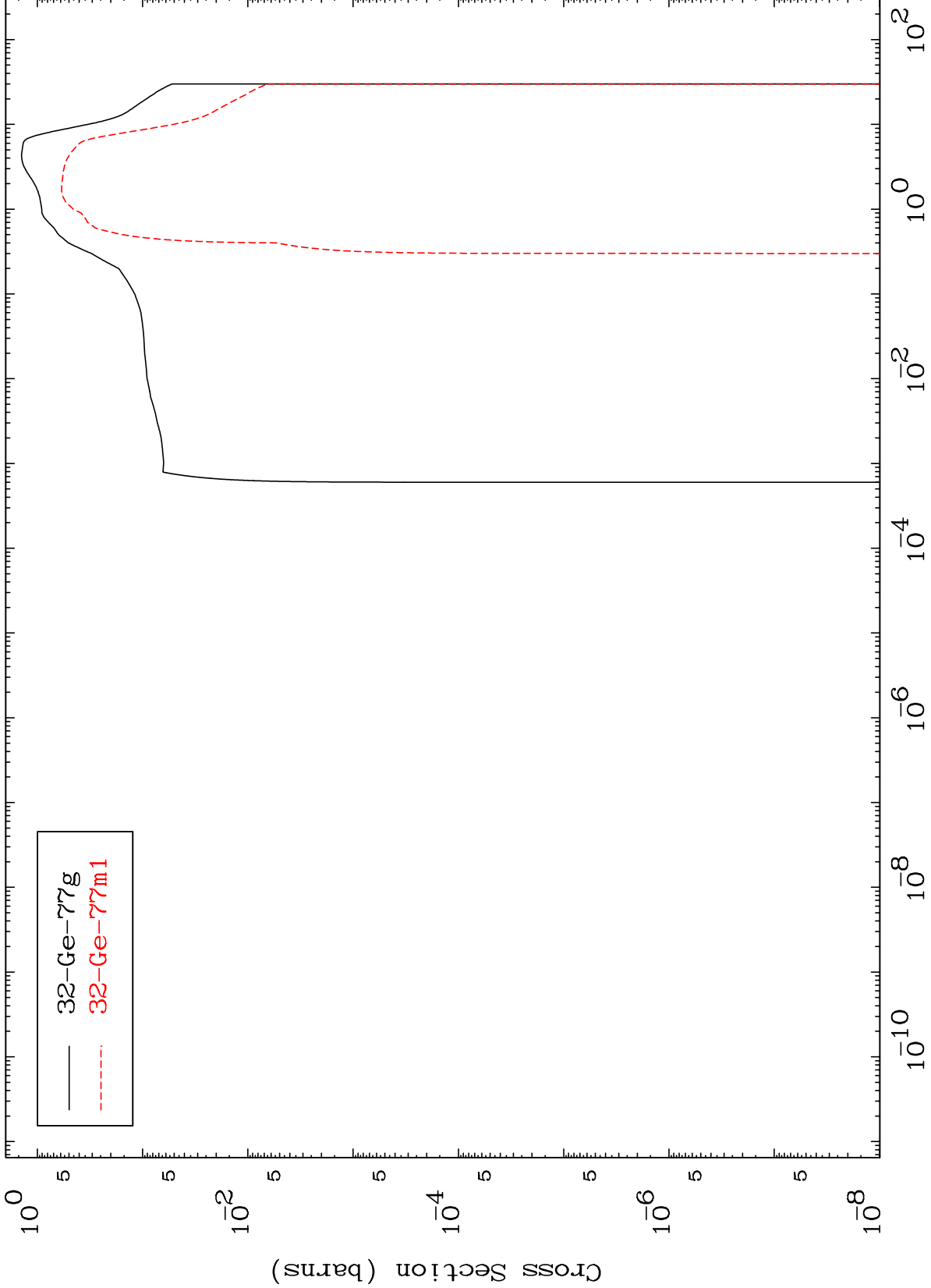
<sup>32</sup>Ge-<sup>77</sup>m



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Inelastic  
Radionuclide Production Cross Section

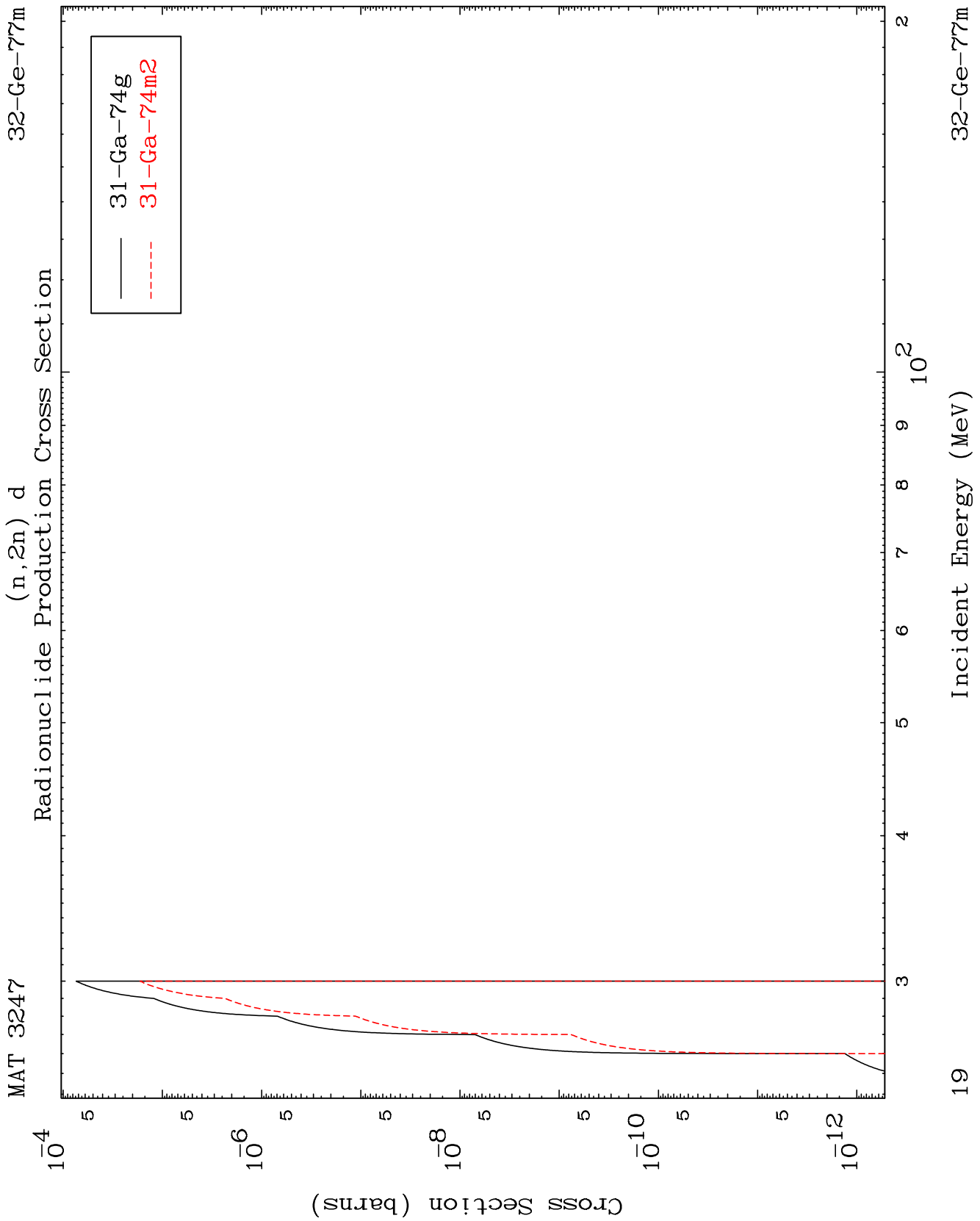
<sup>32</sup>Ge-<sup>77</sup>m



— 32-Ge-77g  
- - - 32-Ge-77m1

Incident Energy (MeV)

<sup>32</sup>Ge-<sup>77</sup>m

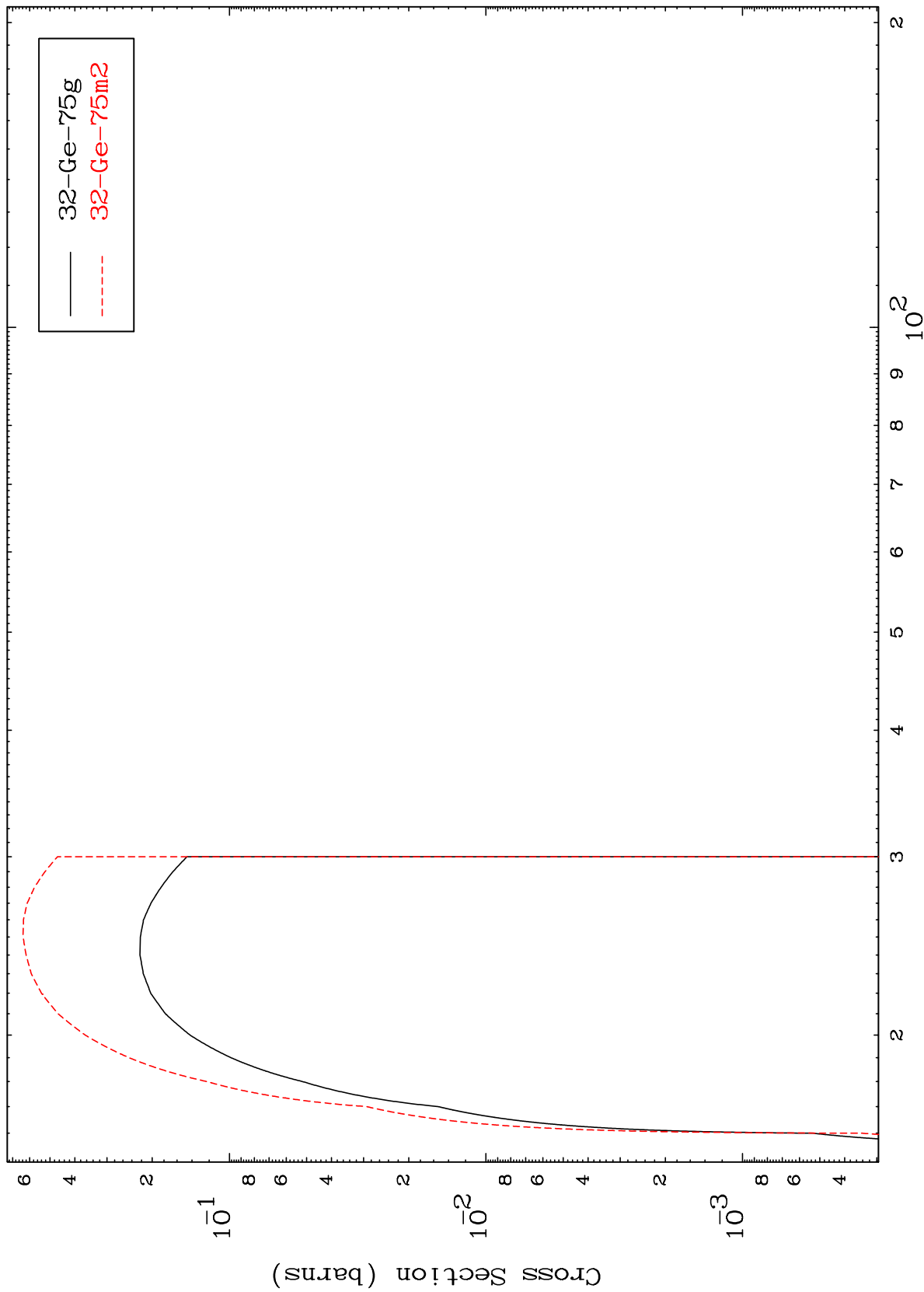


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<sup>32</sup>Ge-77m

(n,3n)

Radionuclide Production Cross Section



<sup>32</sup>Ge-77m

Incident Energy (MeV)

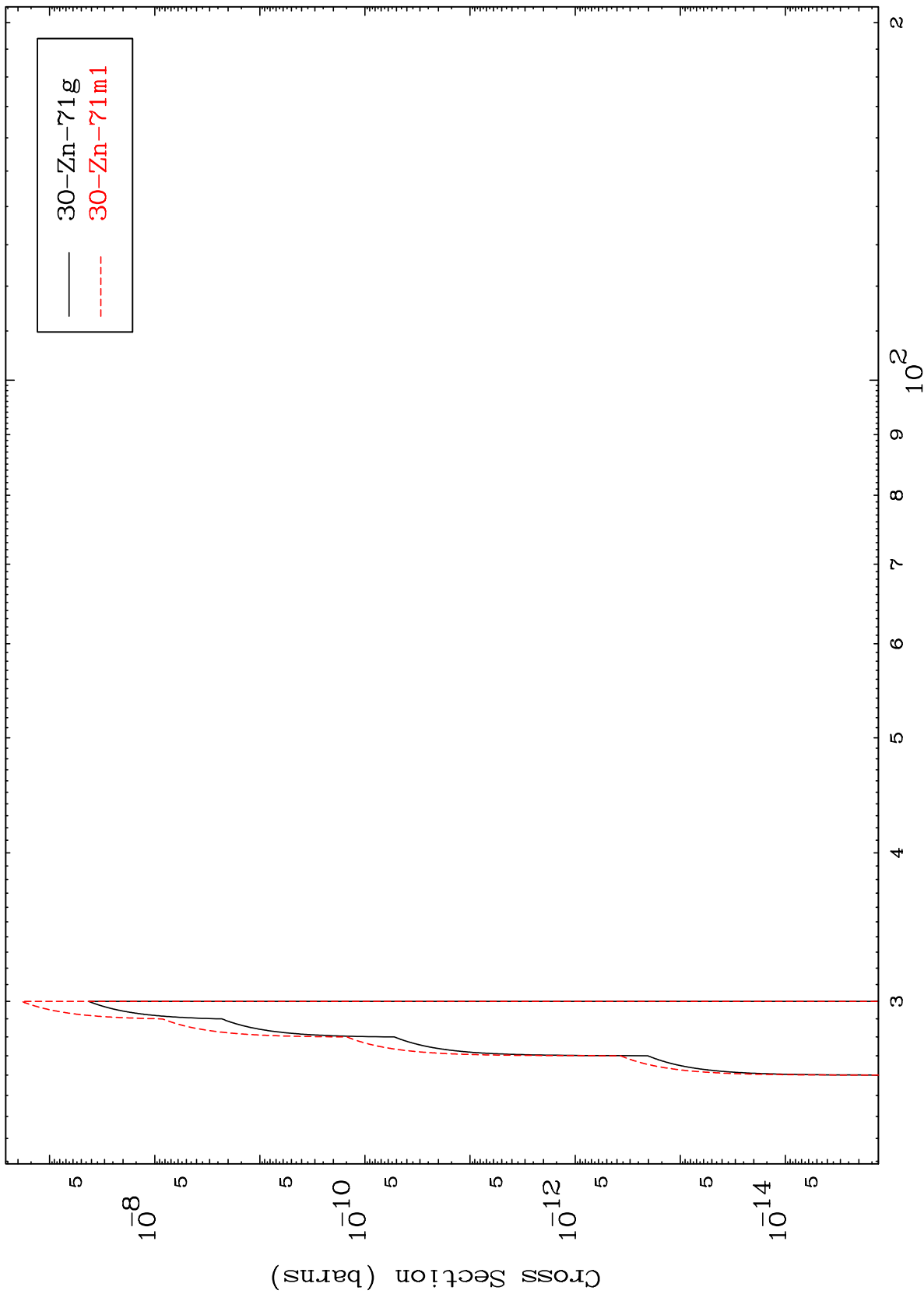
20

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$(n,3n) \alpha$

$^{32}\text{Ge}-77\text{m}$

Radionuclide Production Cross Section

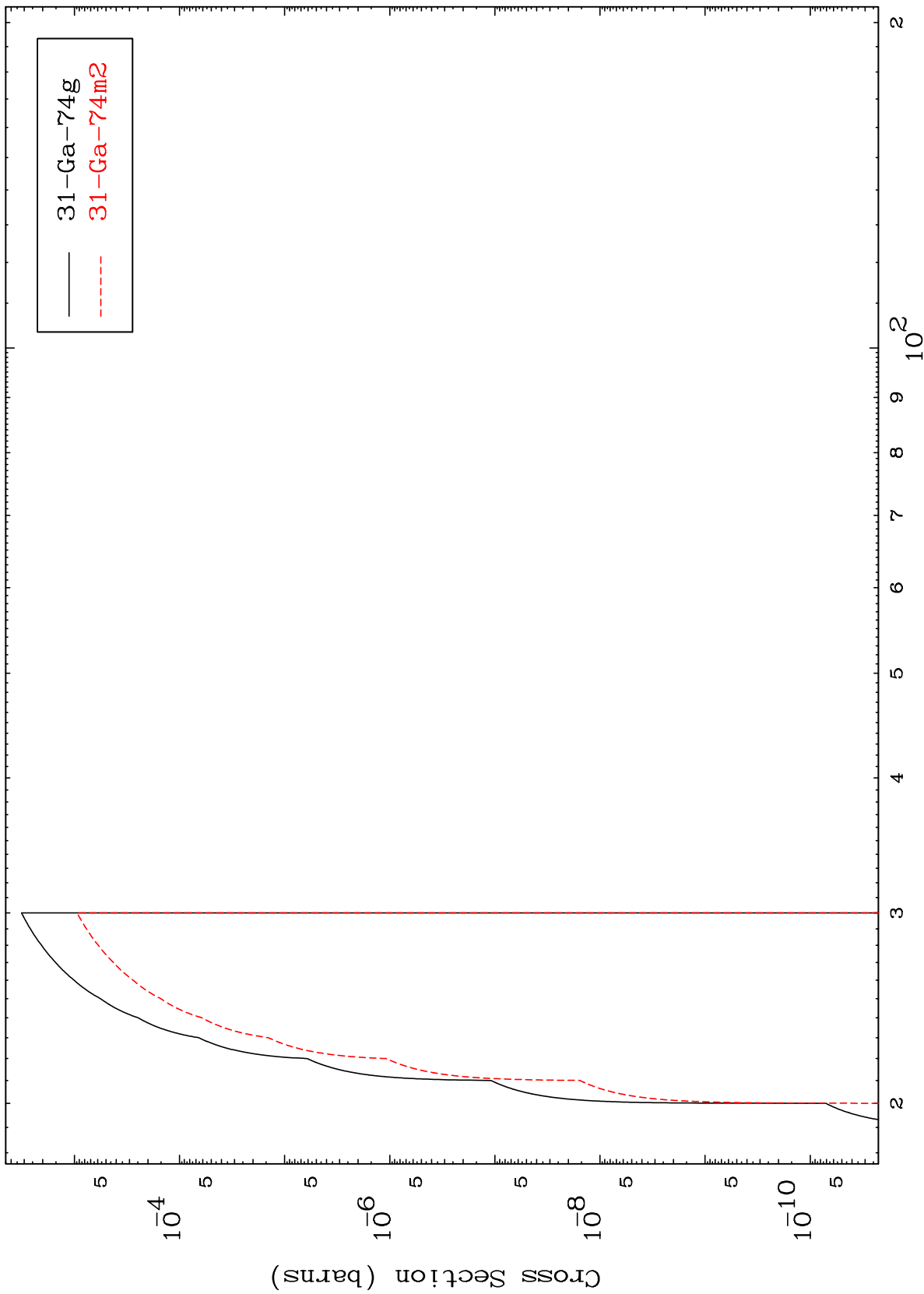


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(n,n') t

32-Ge-77m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

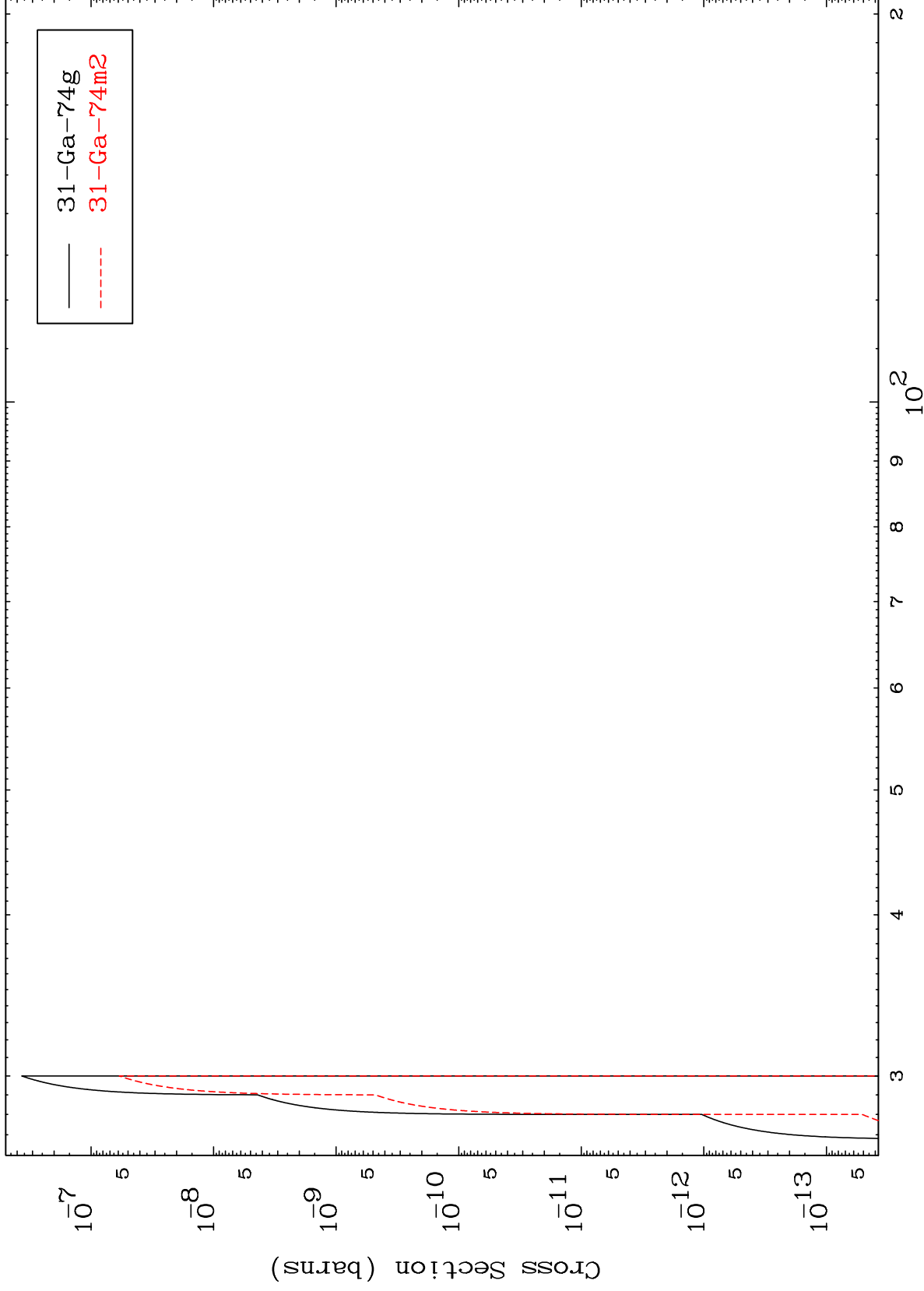
32-Ge-77m

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(n,3n) p

<sup>32</sup>Ge-<sup>77</sup>m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

<sup>32</sup>Ge-<sup>77</sup>m