

Program EVALPLOT  
(Version 2021-1)

by

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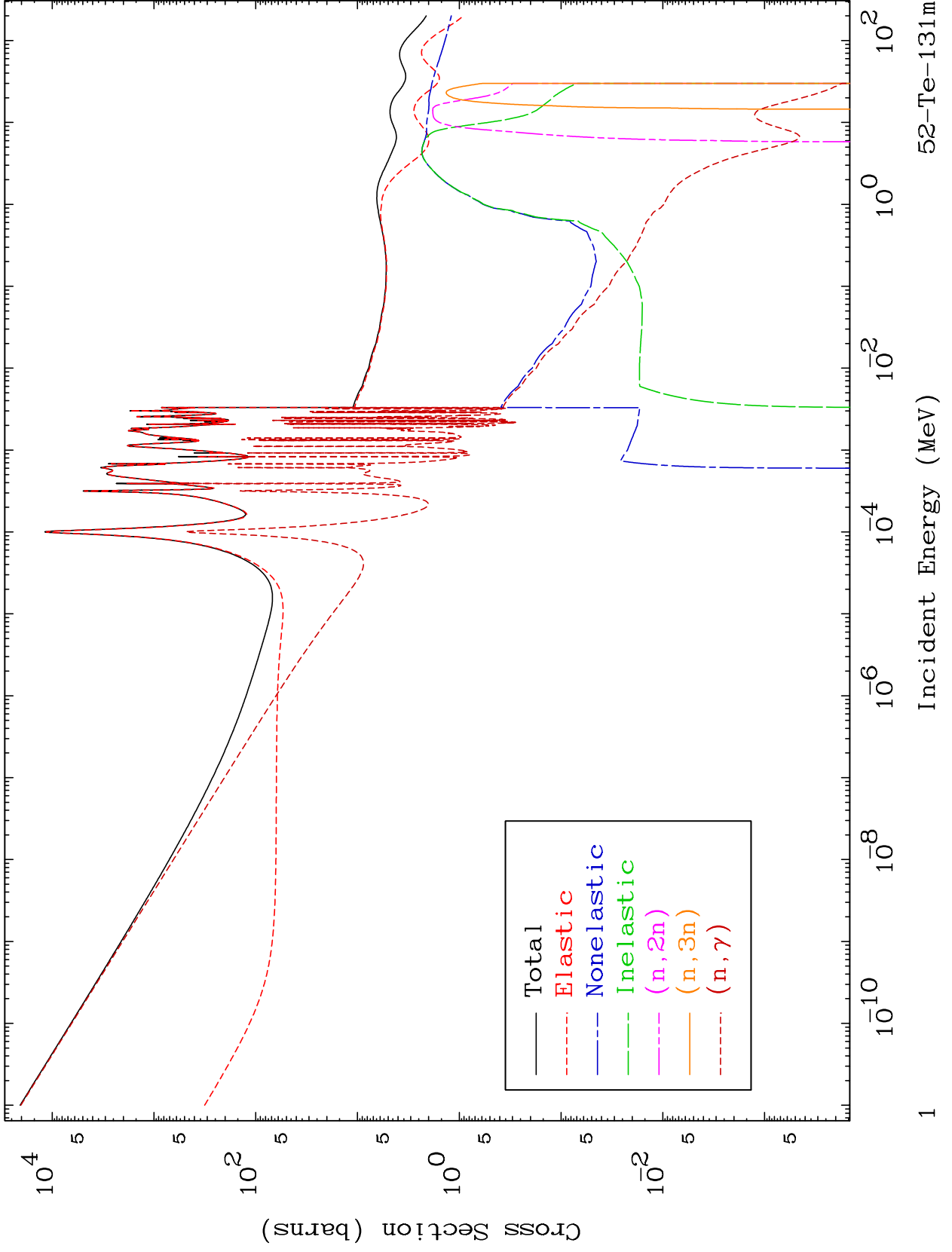
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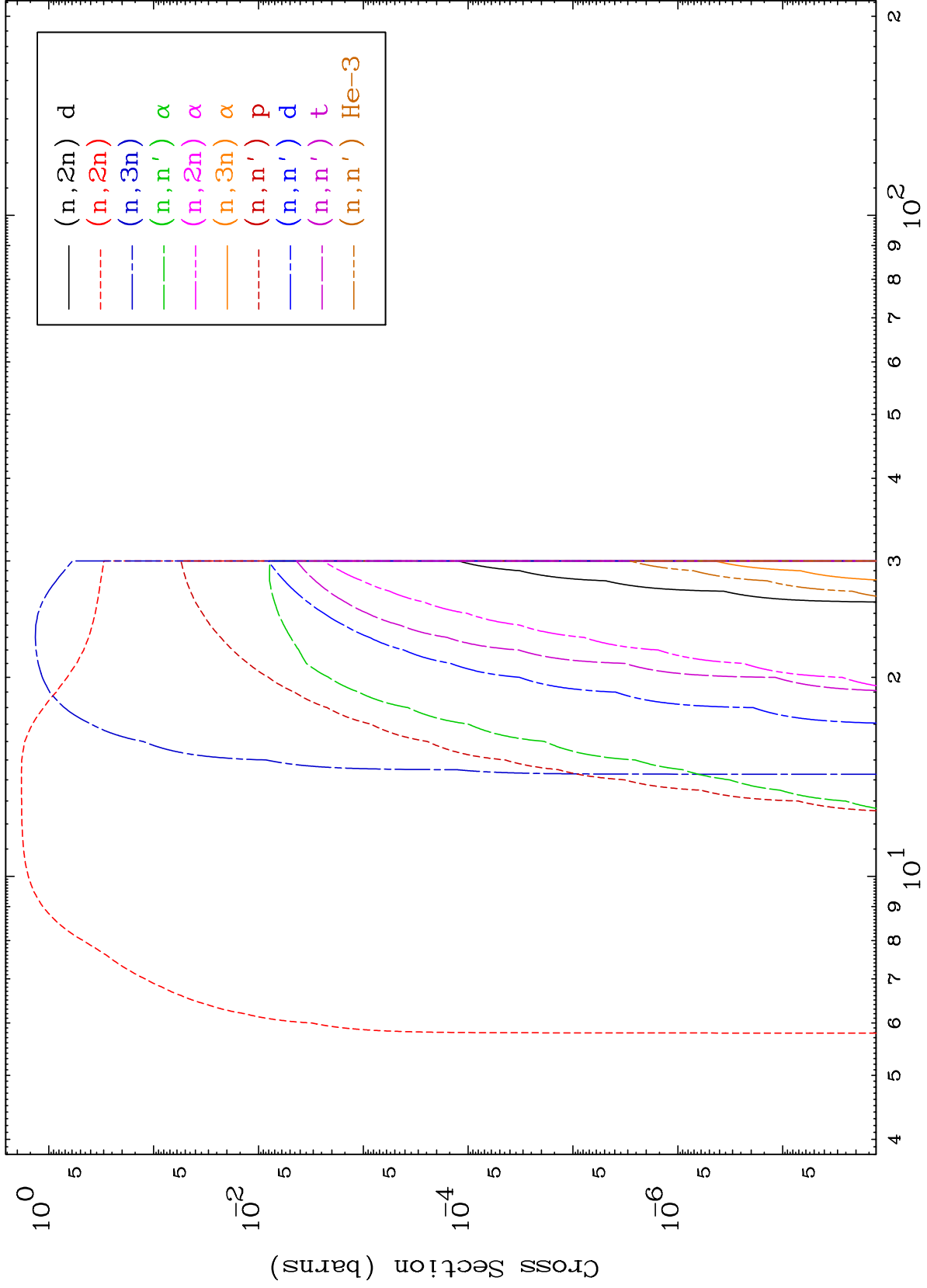
Press Mouse Button to Start

MAT 5259

Neutron Major  
293 Kelvin Cross Sections

52-Te-131m

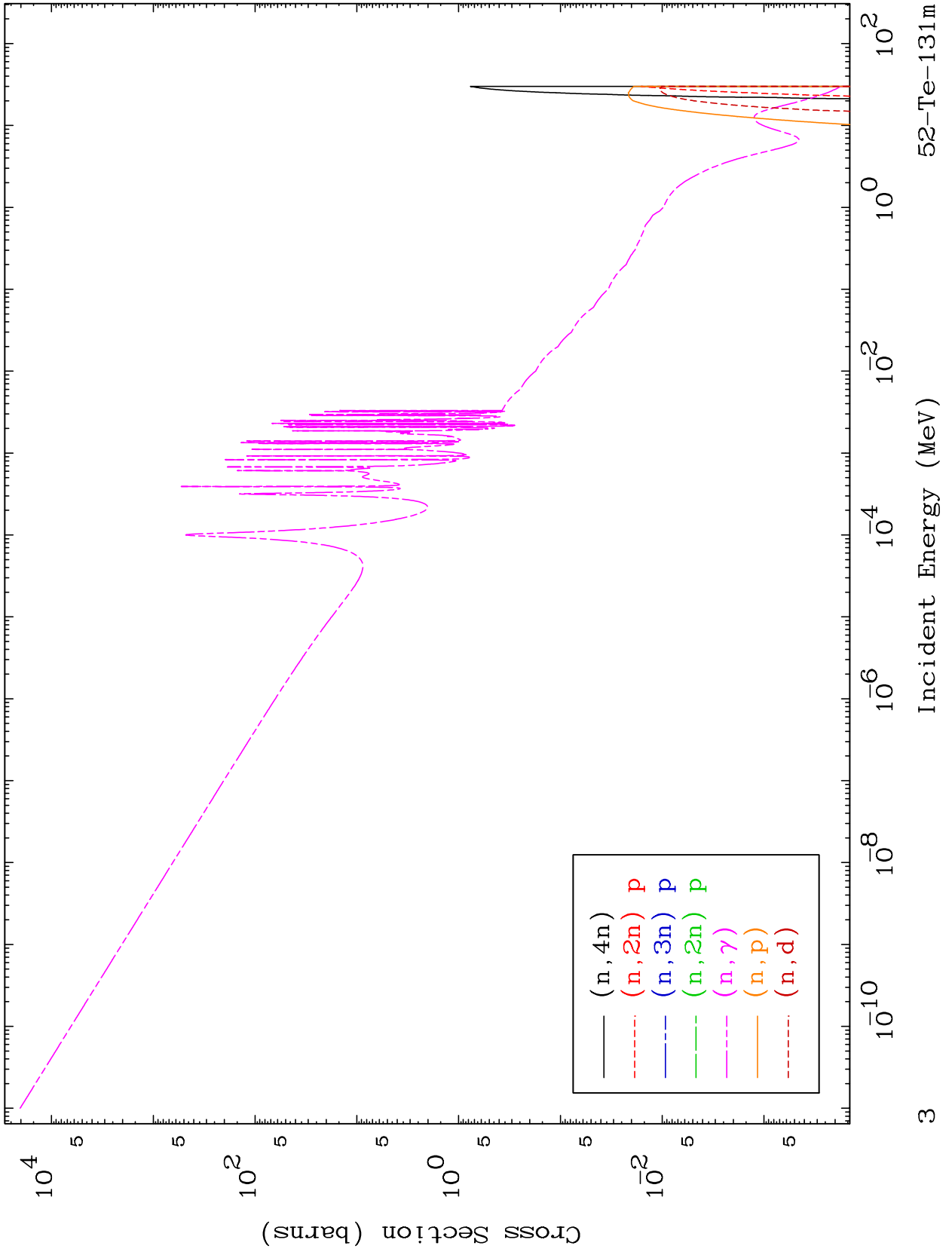


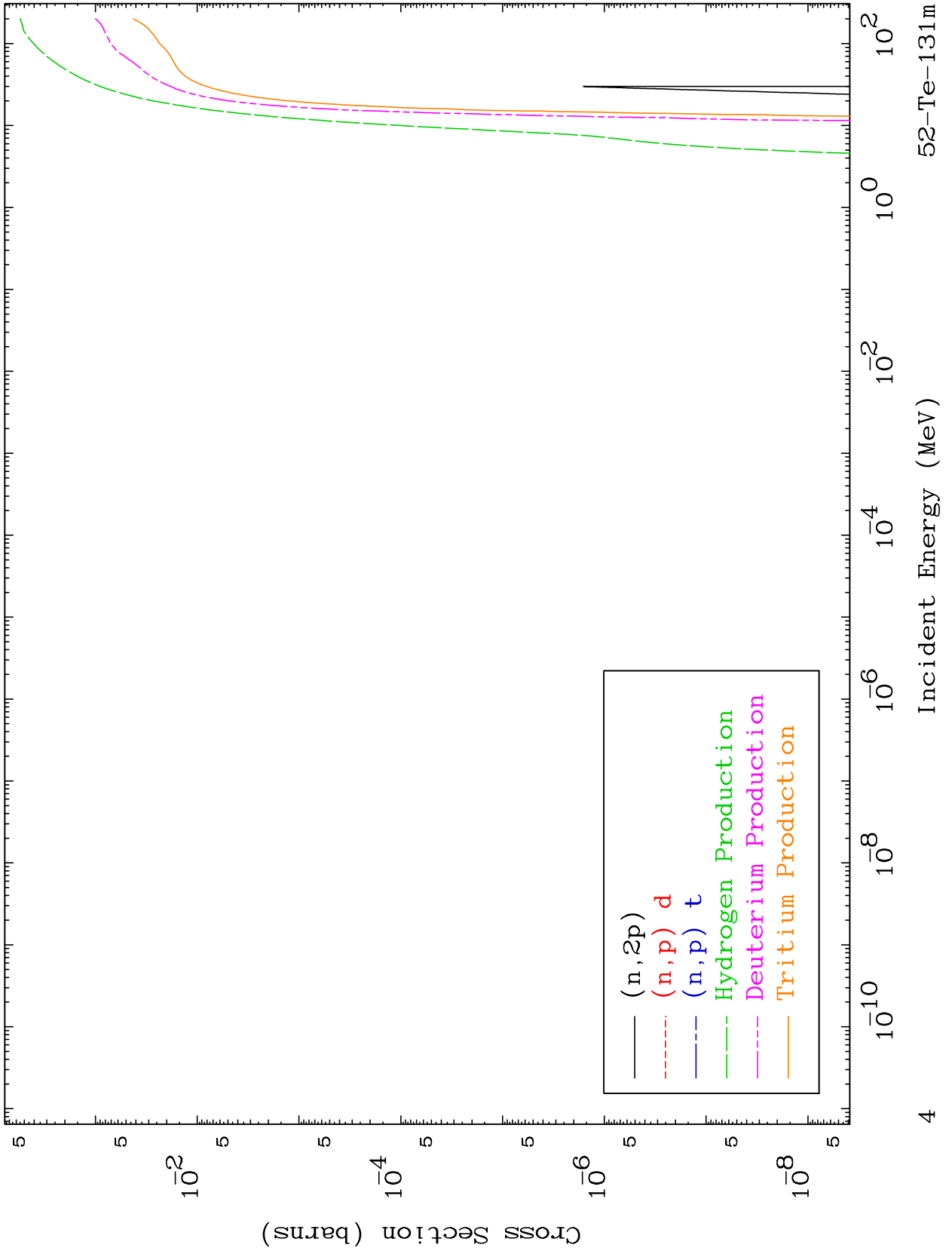


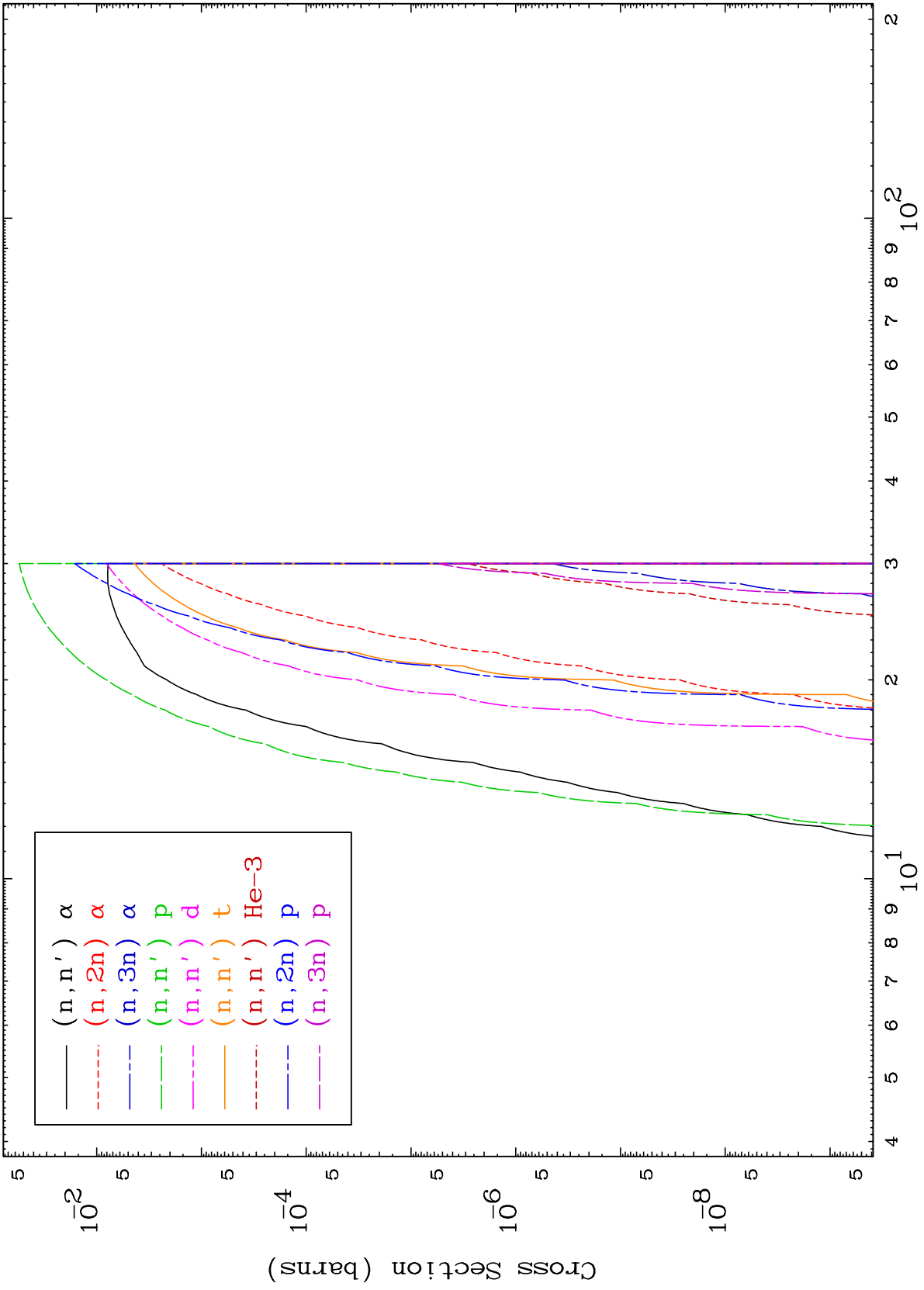
MAT 5259

Neutron Absorption  
293 Kelvin Cross Sections

52-Te-131m



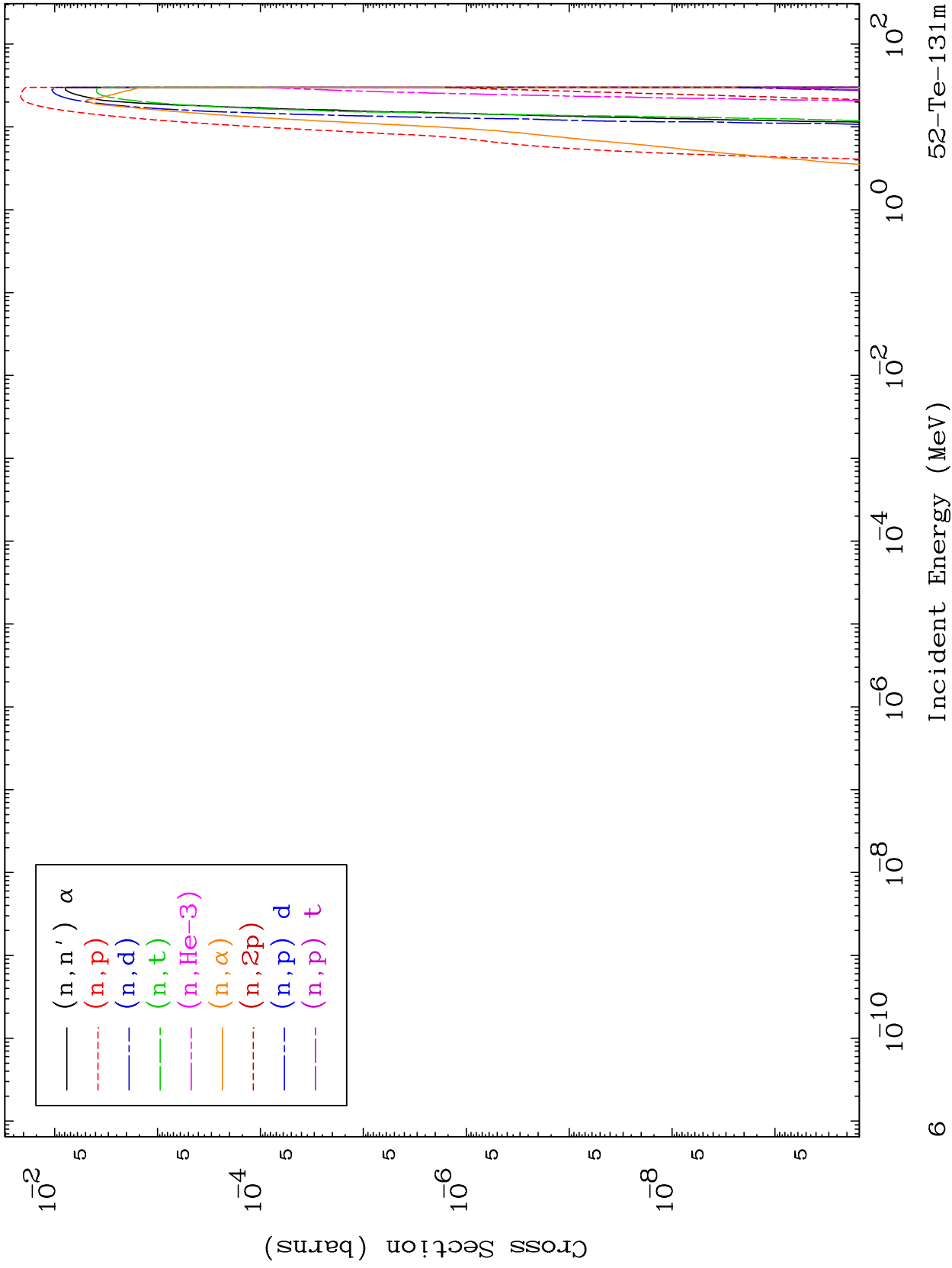




MAT 5259

Charged Particle  
293 Kelvin Cross Sections

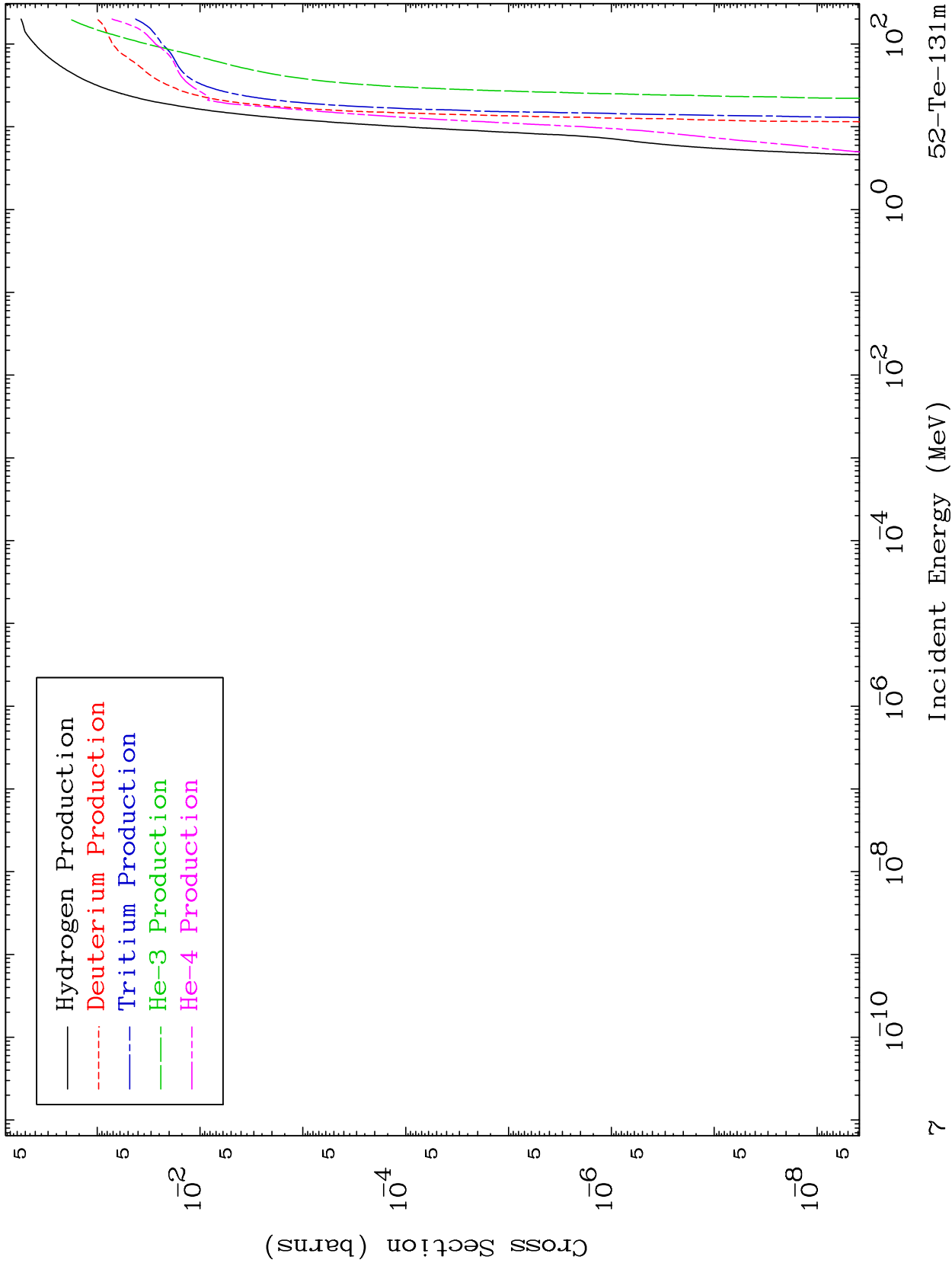
52-Te-131m



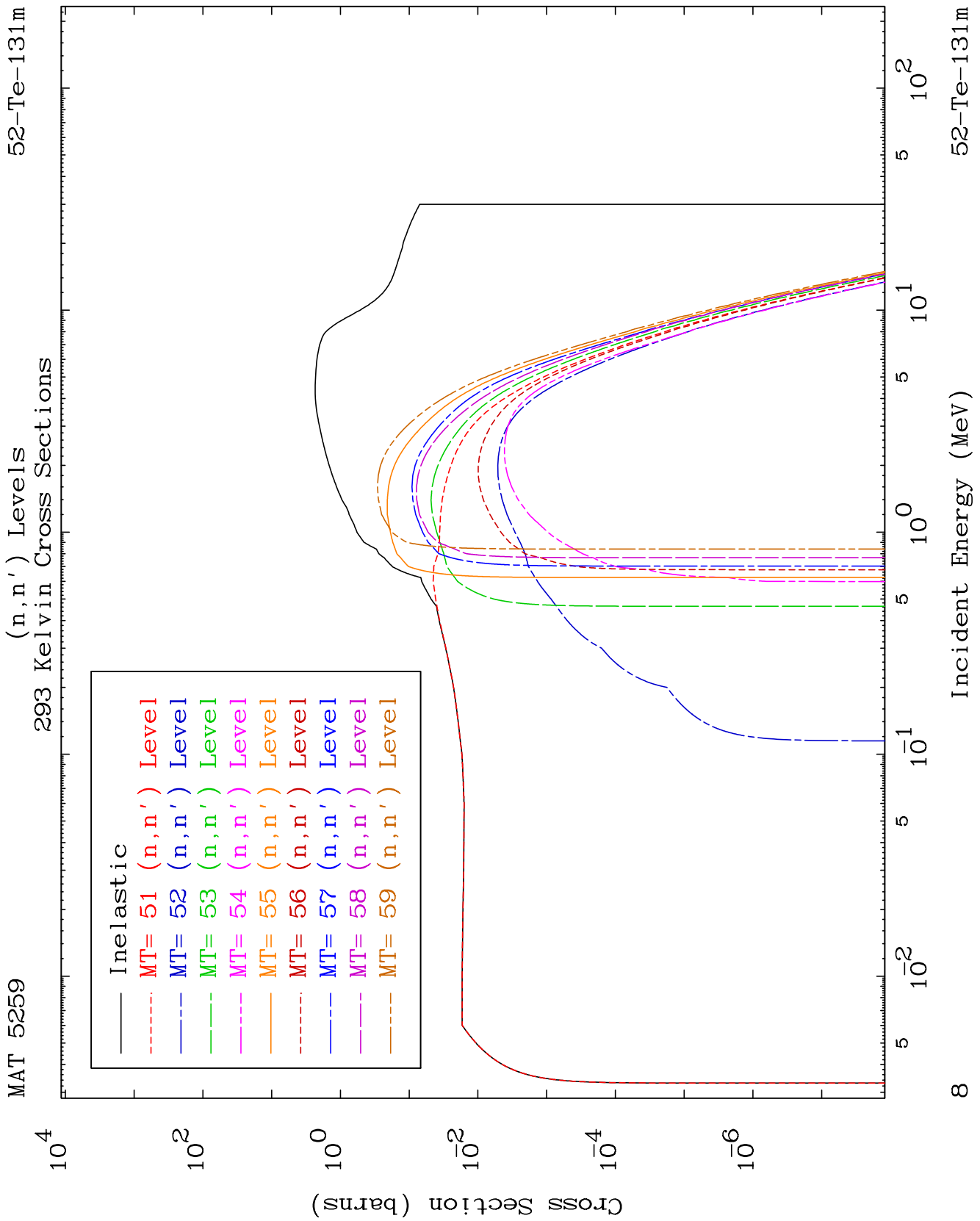
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Particle Production  
293 Kelvin Cross Sections

52-Te-131m



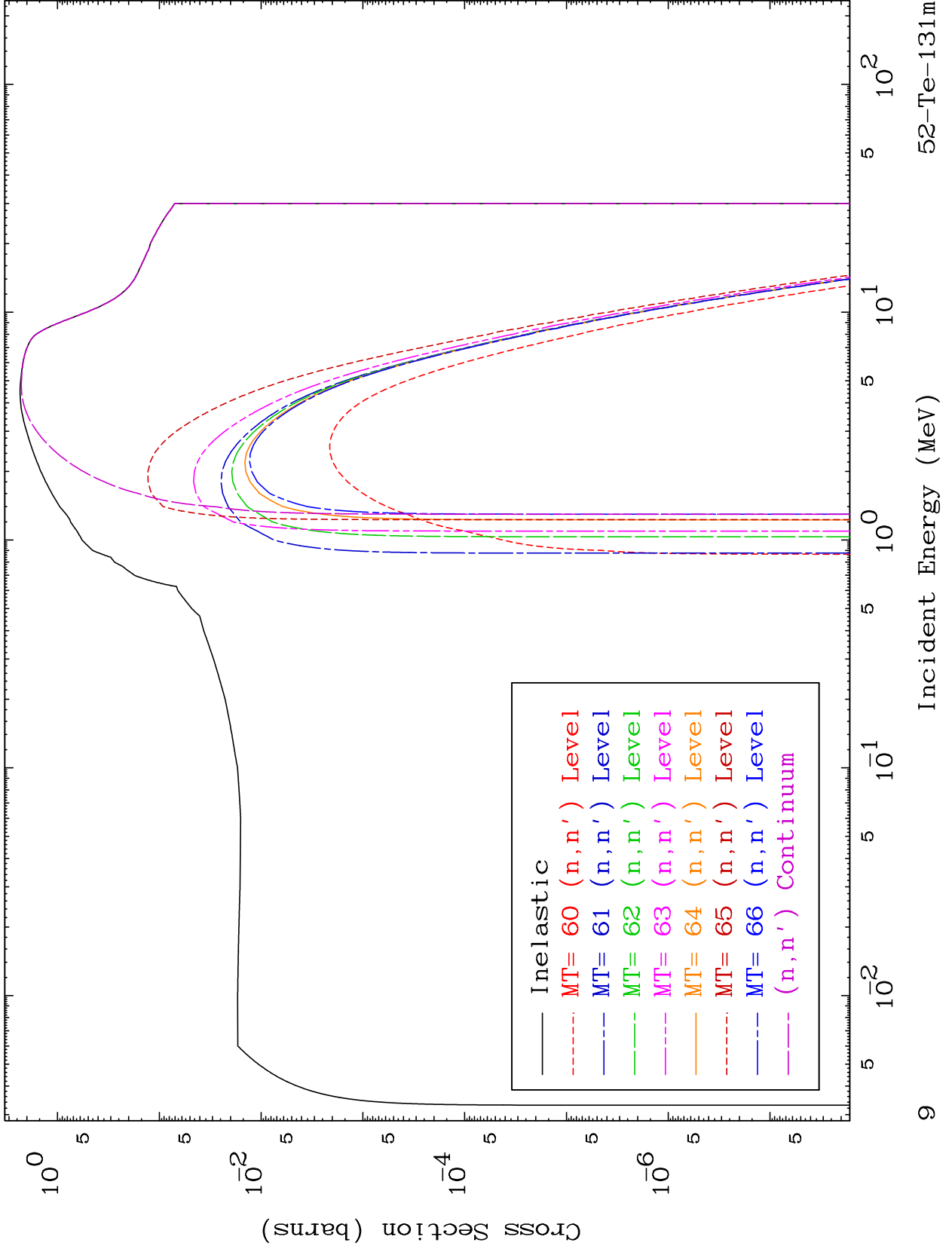




MAT 5259

(n,n') Levels  
293 Kelvin Cross Sections

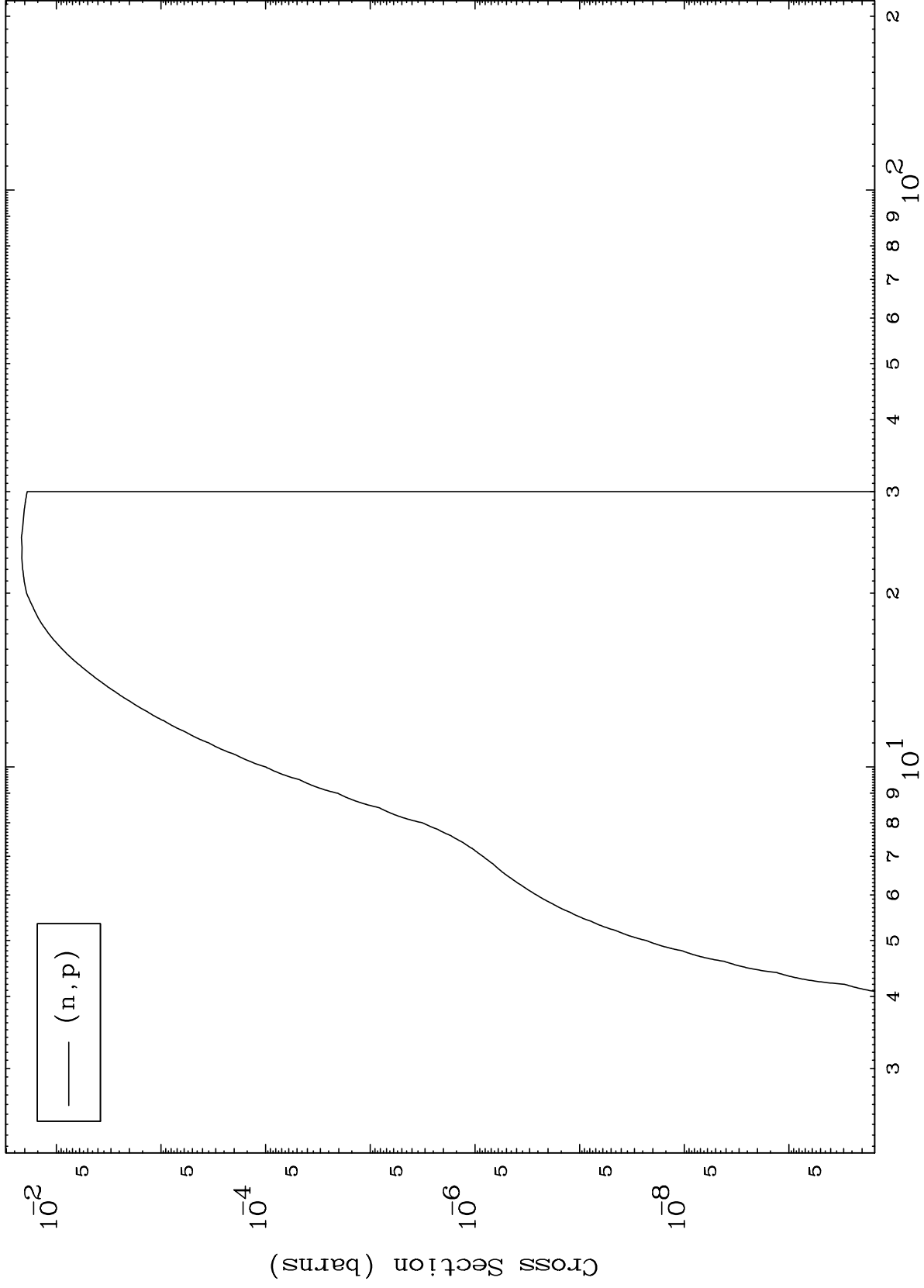
52-Te-131m



MAT 5259

(n,p) Levels  
293 Kelvin Cross Sections

52-Te-131m



10

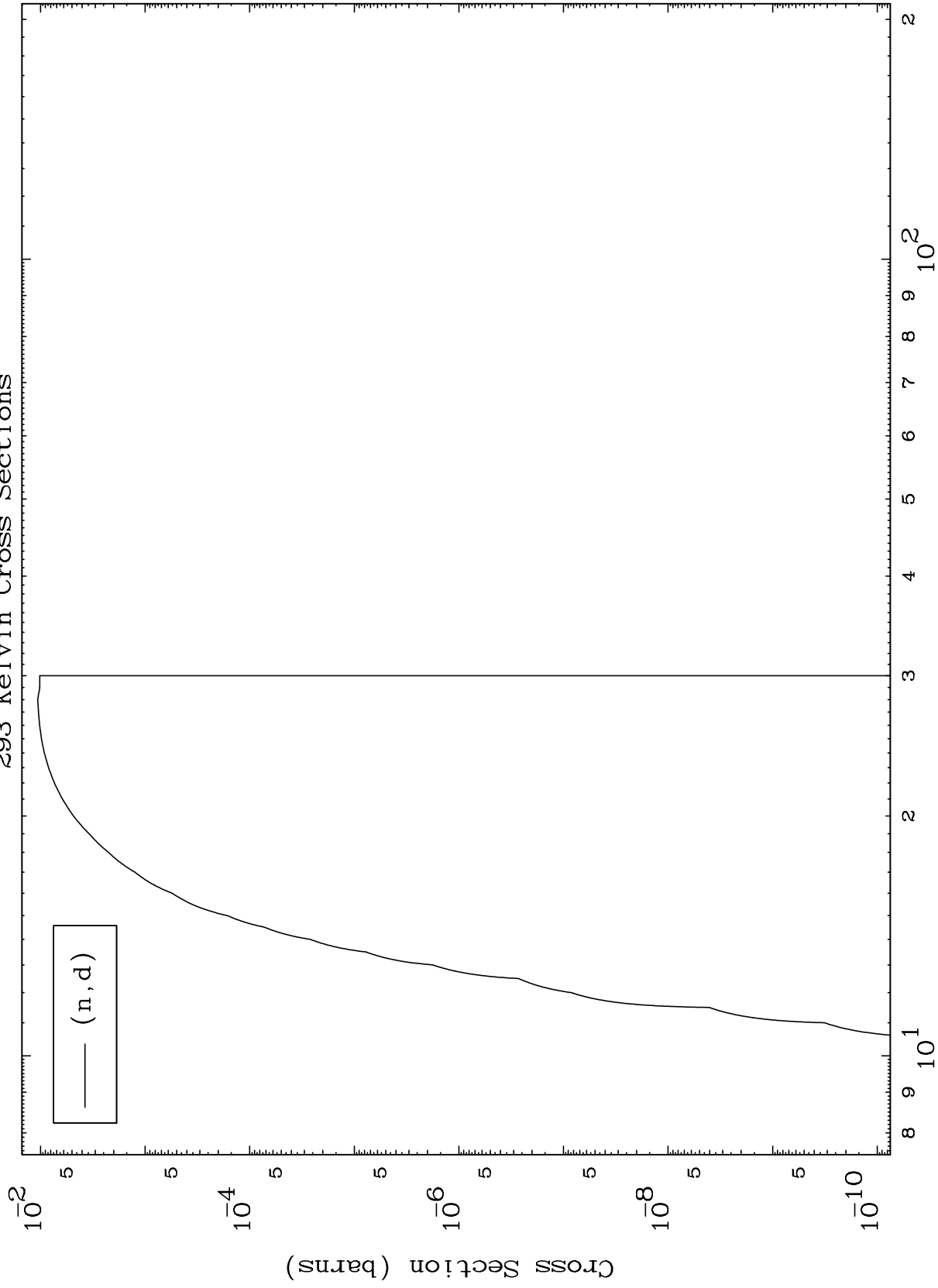
Incident Energy (MeV)

52-Te-131m

MAT 5259

(n,d) Levels  
293 Kelvin Cross Sections

52-Te-131m



11

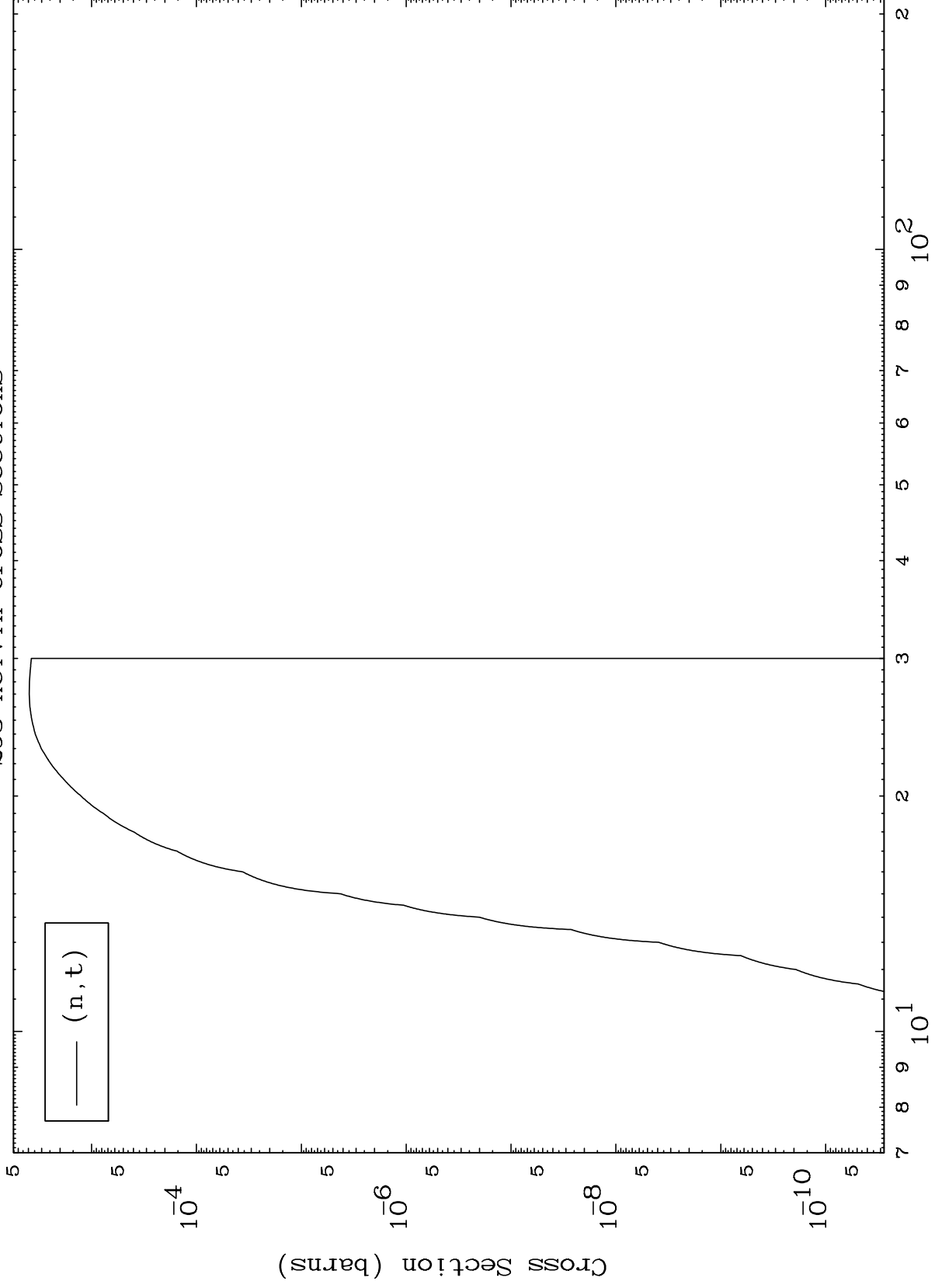
Incident Energy (MeV)

52-Te-131m

MAT 5259

(n,t) Levels  
293 Kelvin Cross Sections

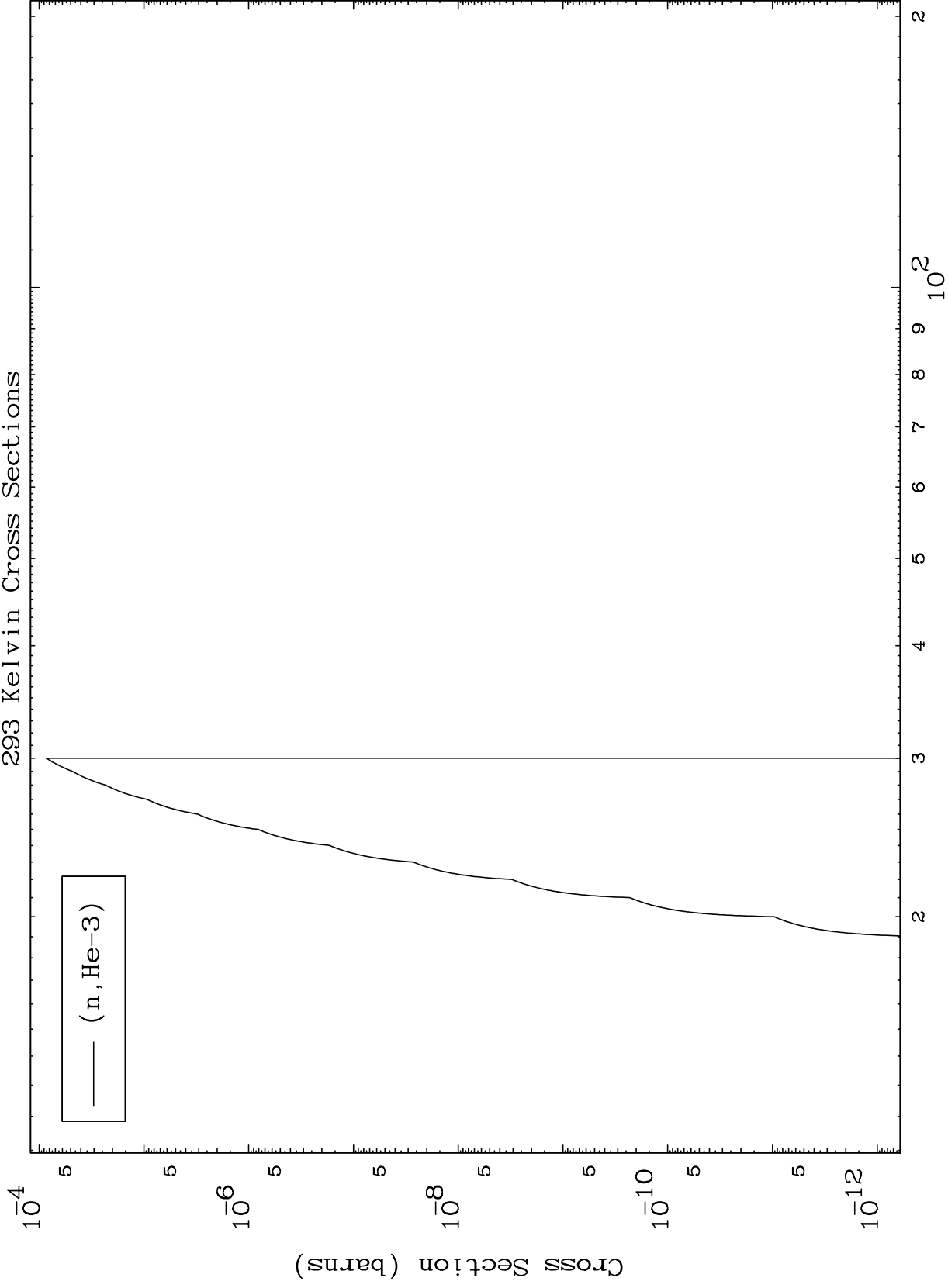
52-Te-131m



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(n,He3) Levels  
293 Kelvin Cross Sections

52-Te-131m



13

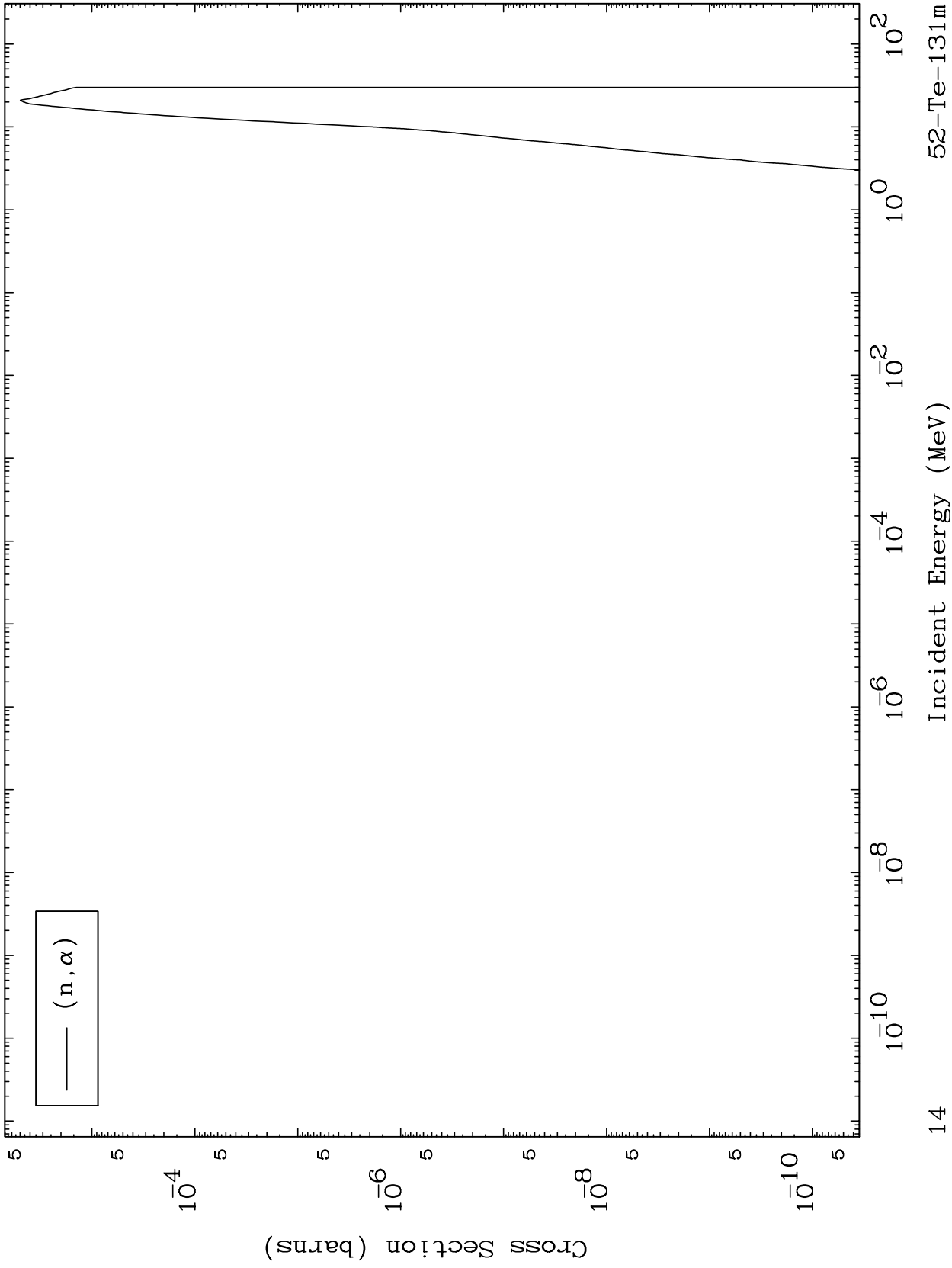
Incident Energy (MeV)

52-Te-131m

MAT 5259

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

52-Te-131m



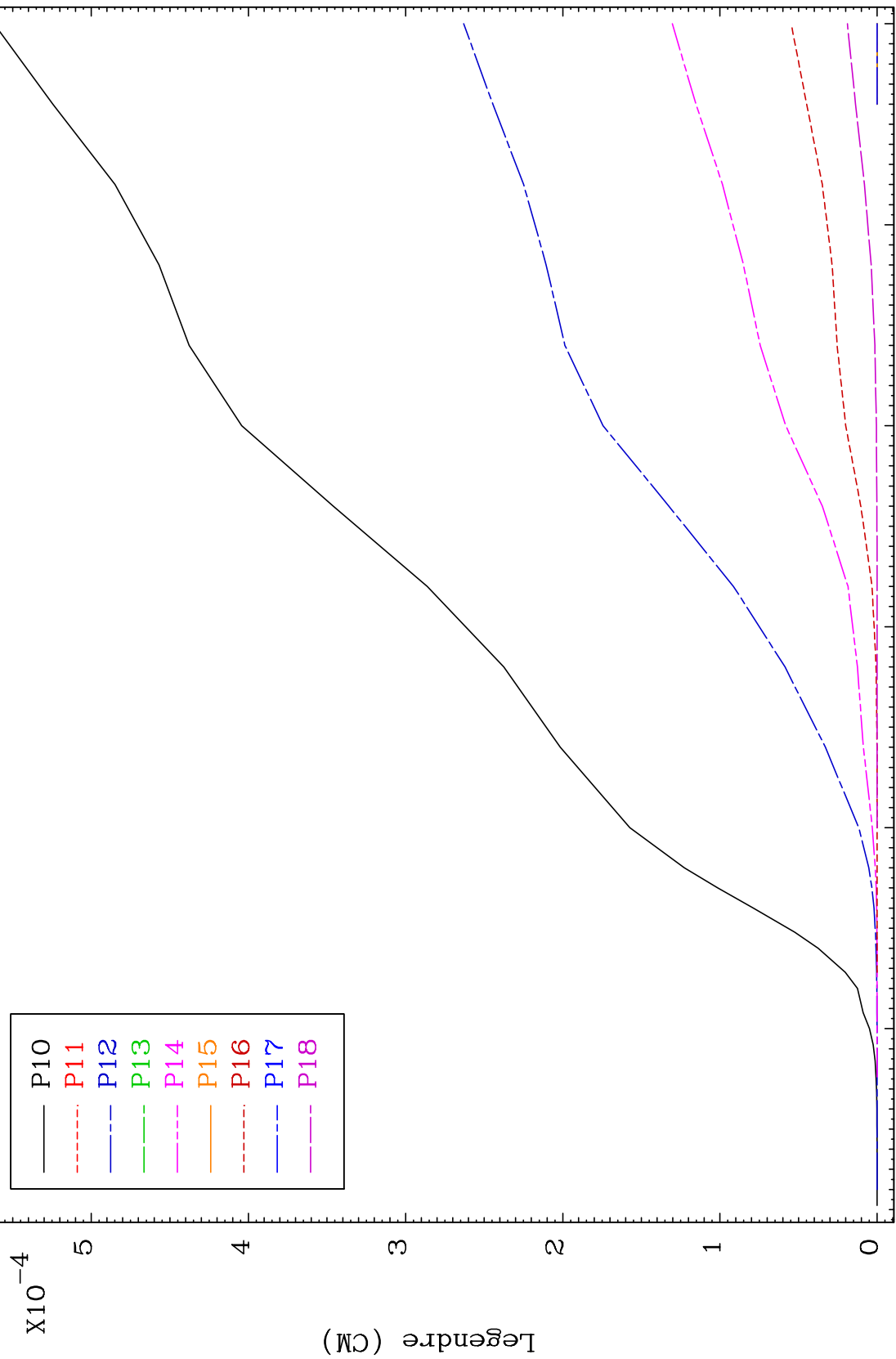
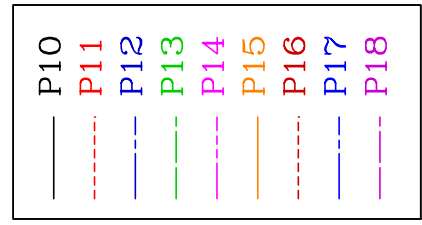




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Elastic Legendre Coefficients

52-Te-131m



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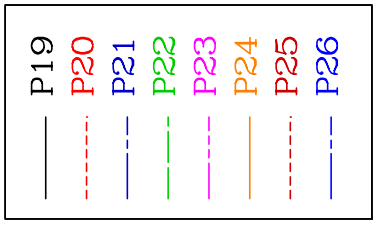
52-Te-131m

Incident Energy (MeV)

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Elastic Legendre Coefficients

52-Te-131m



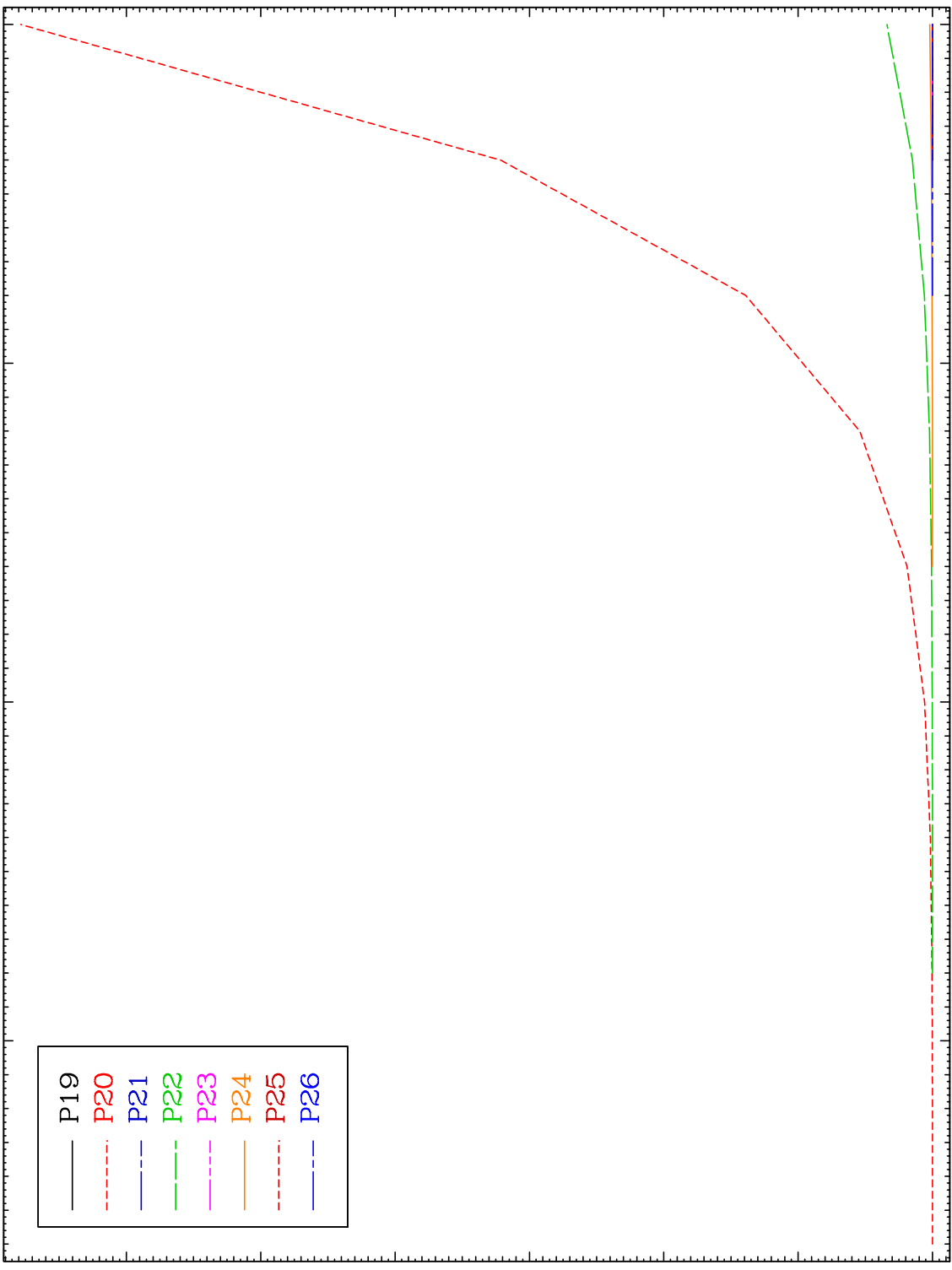
$\times 10^{-6}$   
Legendre (CM)  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

15 20 25 30

17

Incident Energy (MeV)

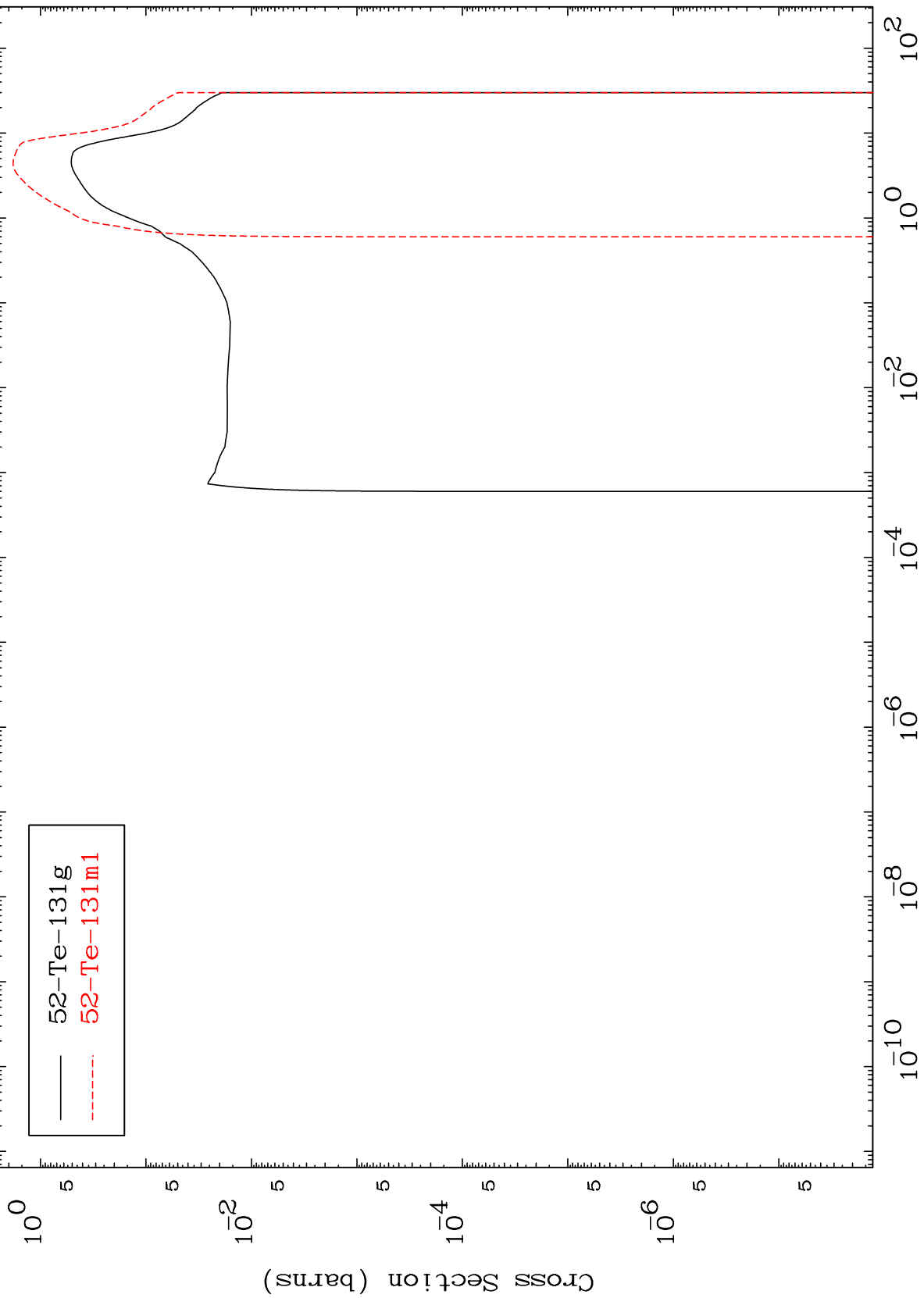
52-Te-131m



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Inelastic  
Radionuclide Production Cross Section

52-Te-131m



52-Te-131g  
52-Te-131m1

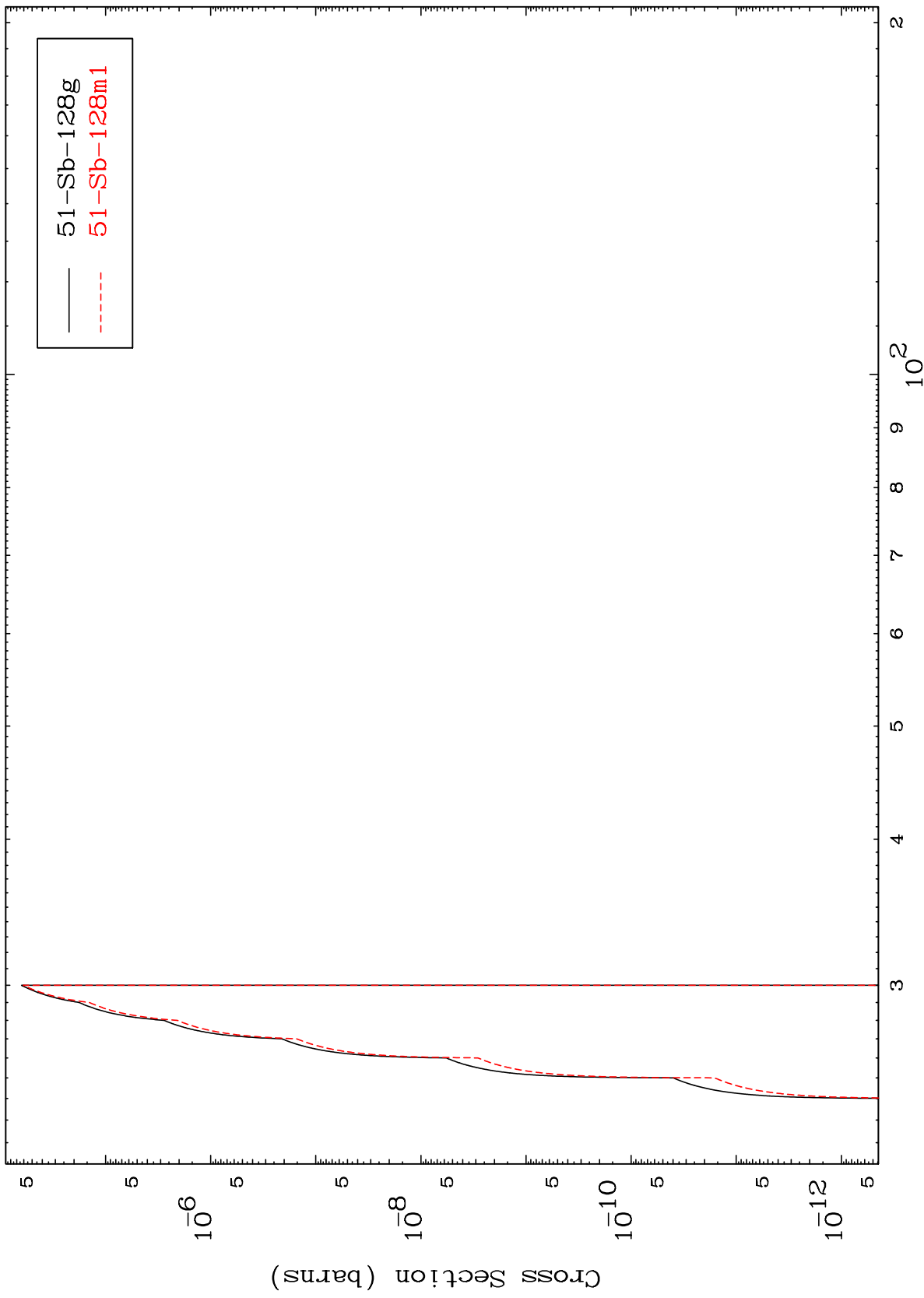
52-Te-131m

Incident Energy (MeV)

MAT 5259

52-Te-131m

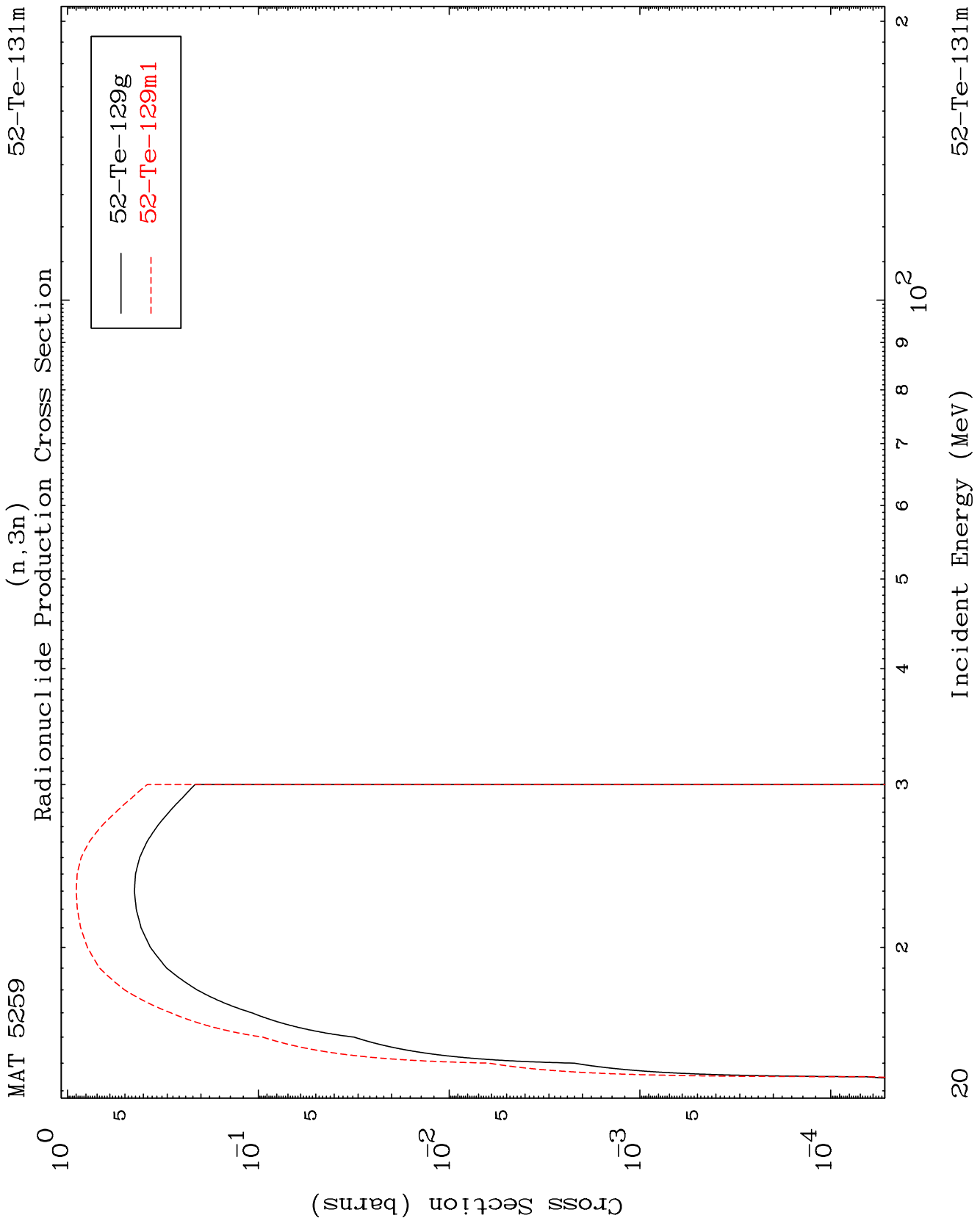
(n,2n) d  
Radionuclide Production Cross Section



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Incident Energy (MeV)

52-Te-131m

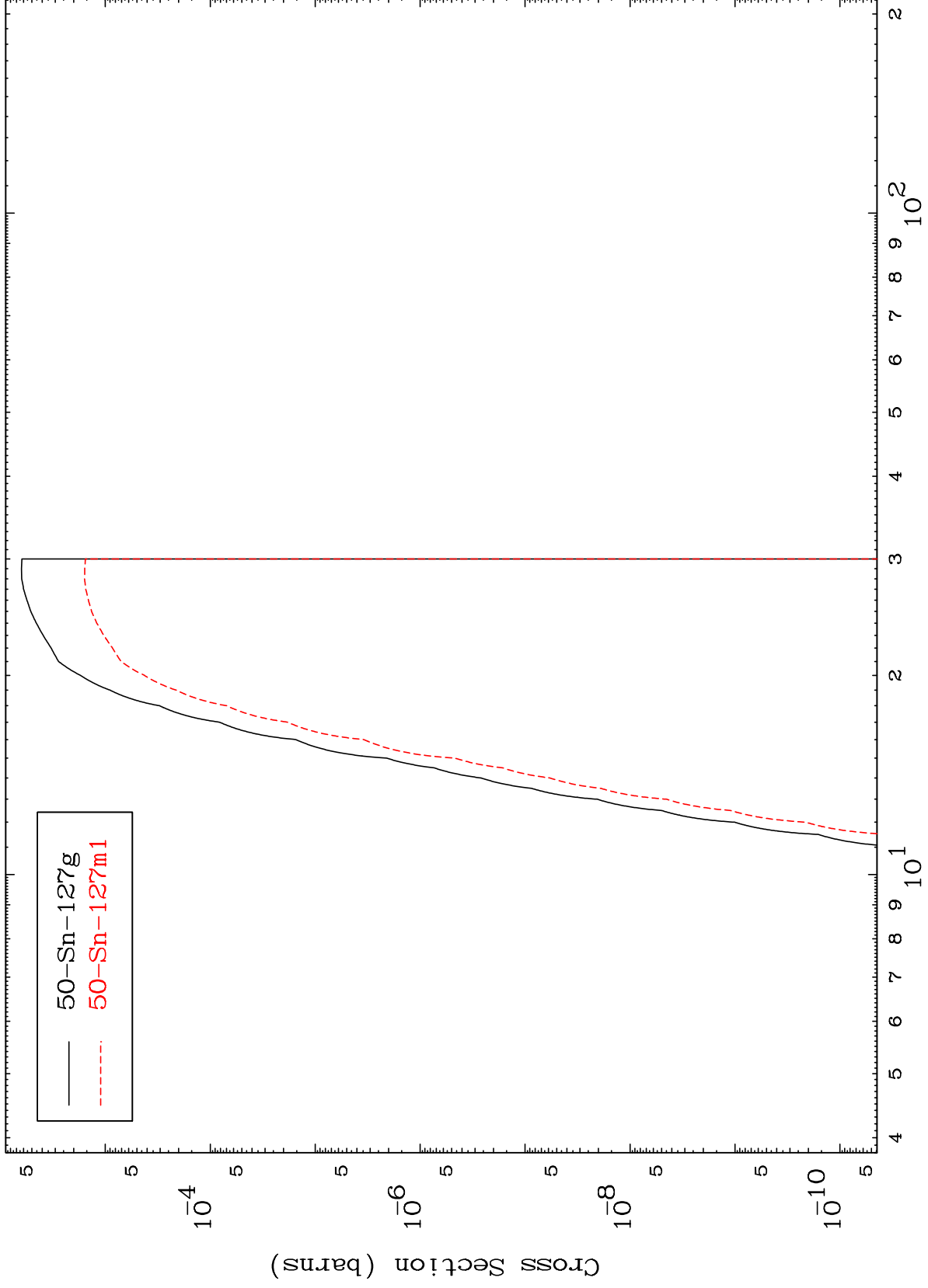


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$(n, n') \alpha$

$^{52}\text{Te-131m}$

Radionuclide Production Cross Section

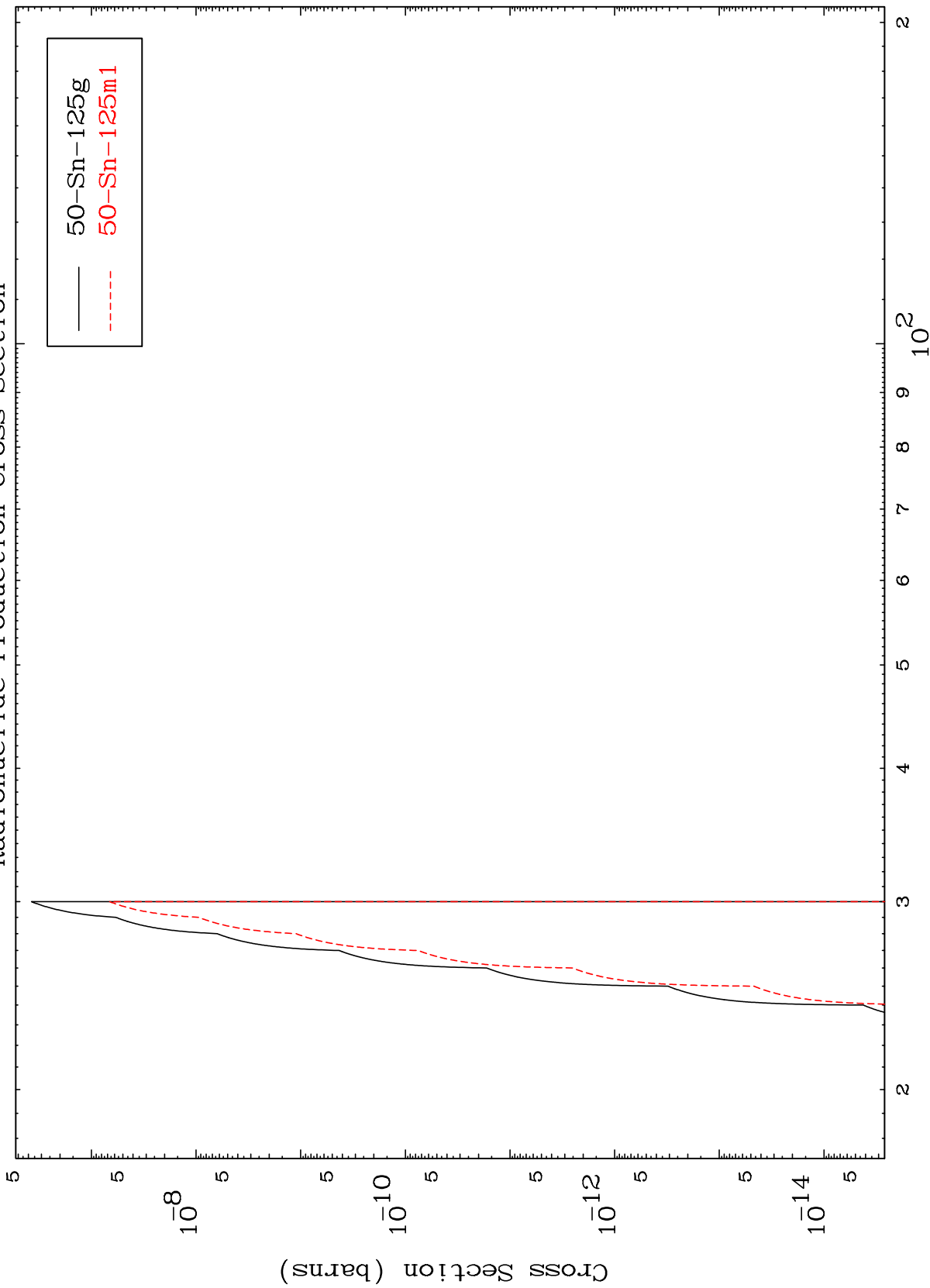


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$(n,3n) \alpha$

52-Te-131m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

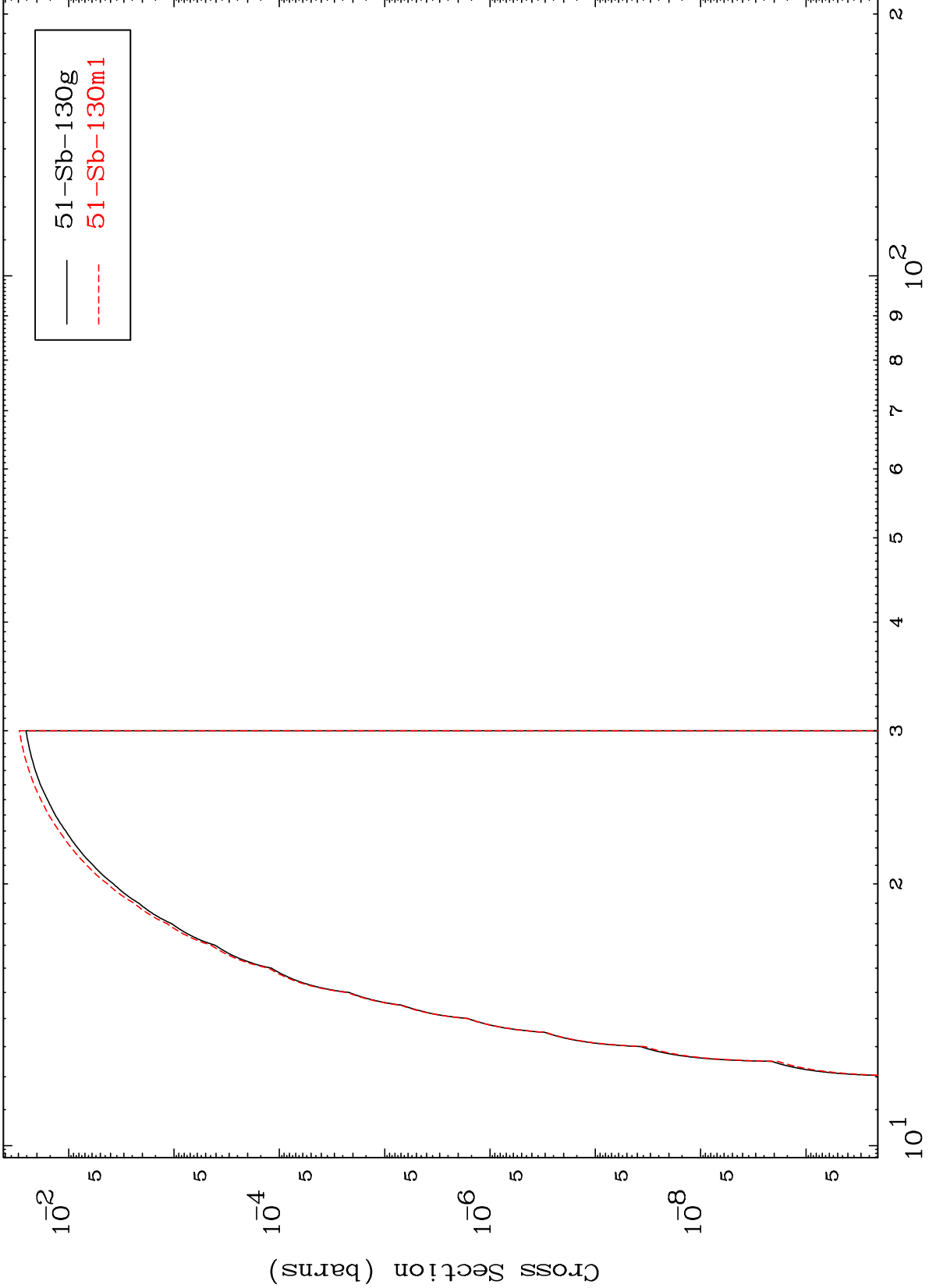
52-Te-131m

MAT 5259

(n,n') p

52-Te-131m

Radionuclide Production Cross Section



Incident Energy (MeV)

52-Te-131m

23

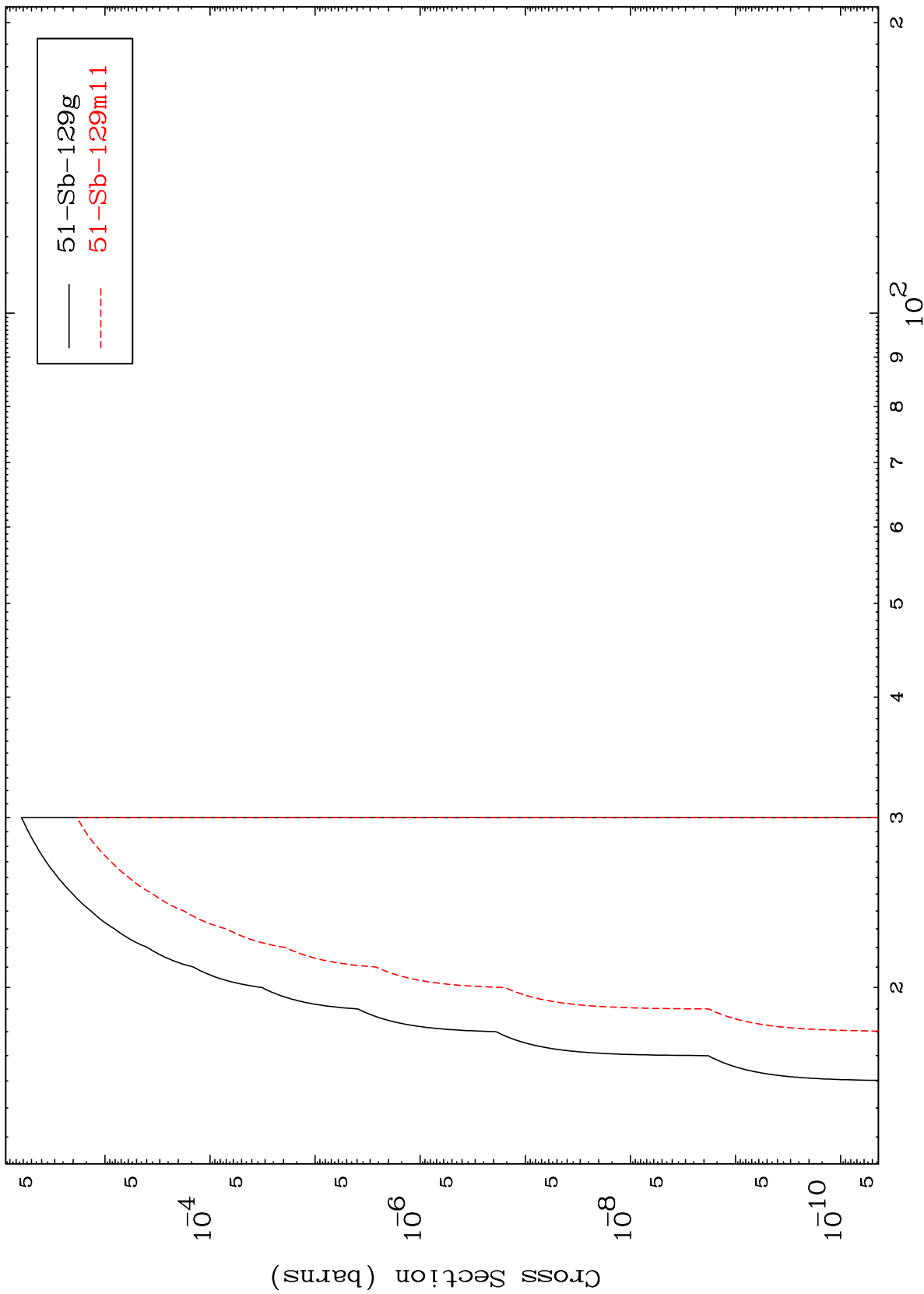


MAT 5259

(n,n') d

52-Te-131m

Radionuclide Production Cross Section

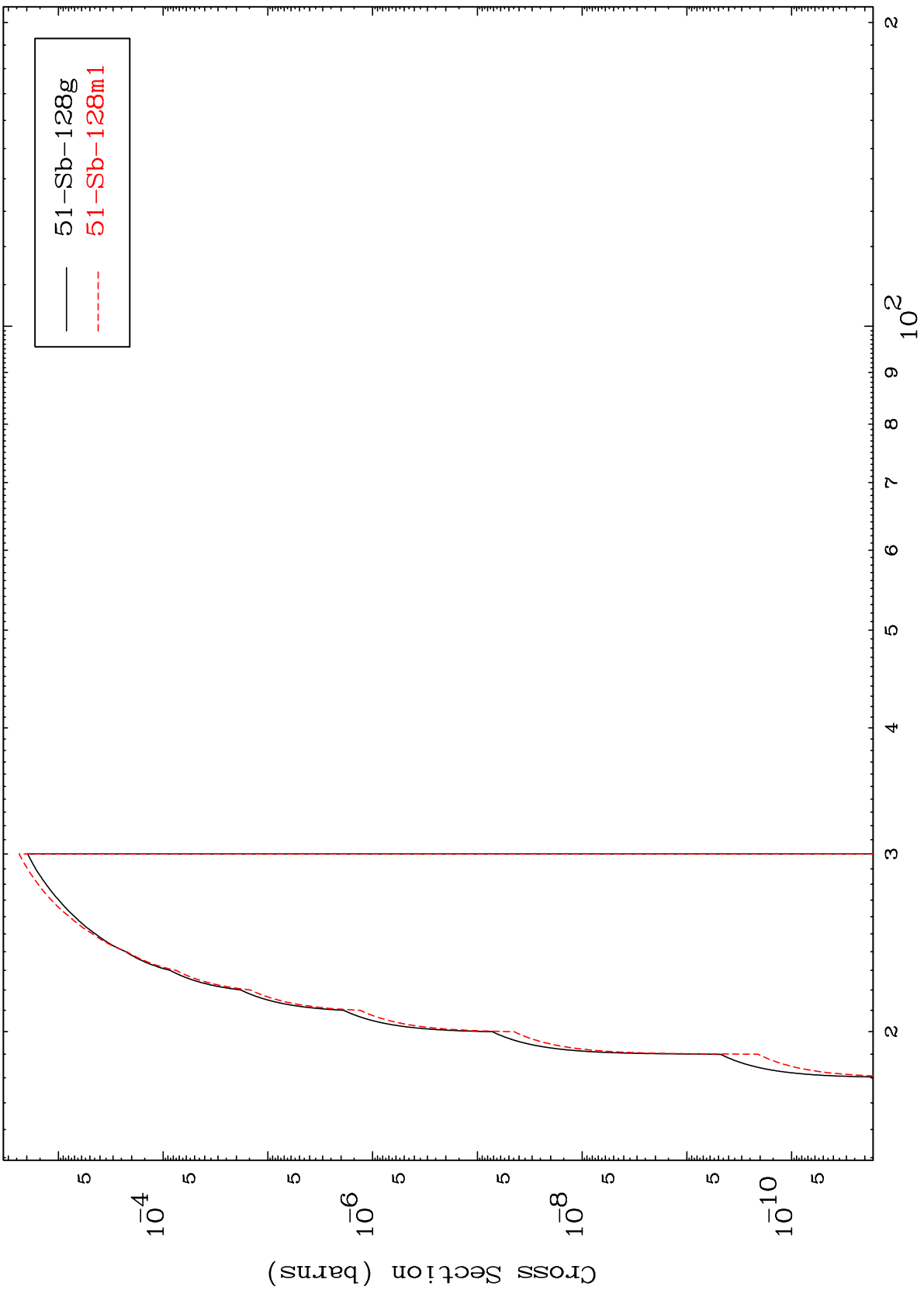


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Incident Energy (MeV)

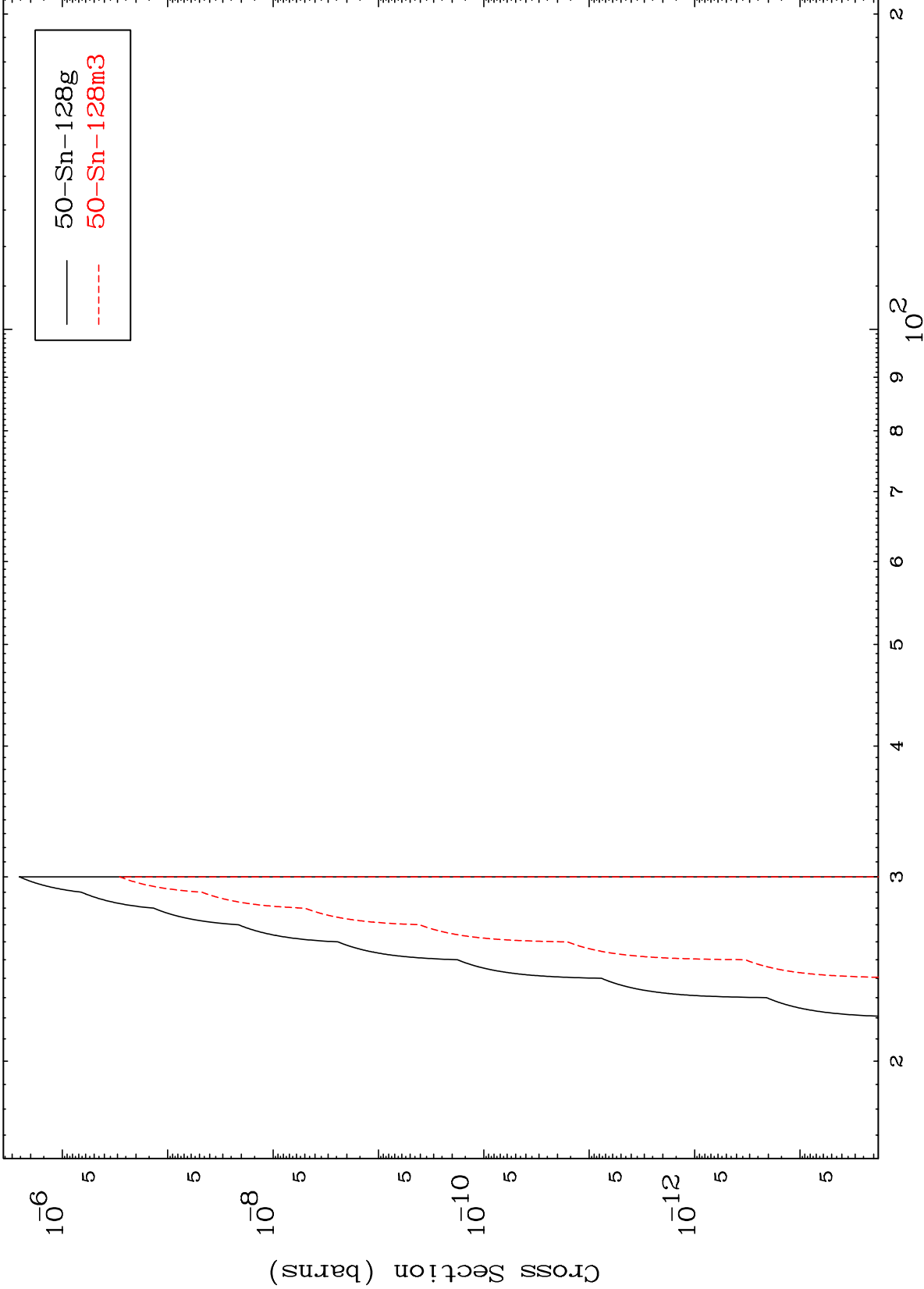
52-Te-131m

Radionuclide Production Cross Section



51-Sb-128g  
51-Sb-128m1

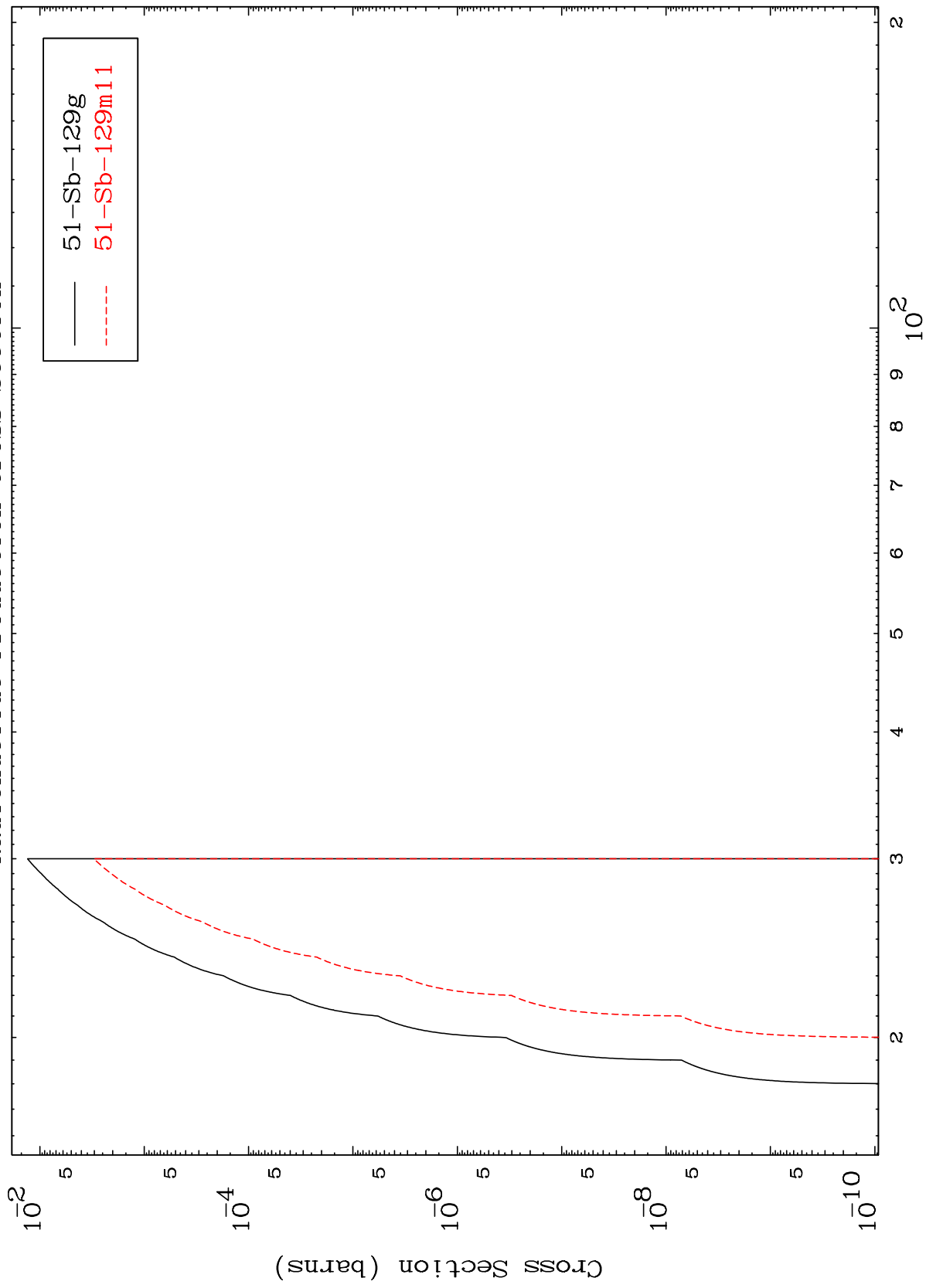
Radionuclide Production Cross Section



MAT 5259

52-Te-131m

(n,2n) p  
Radionuclide Production Cross Section



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52-Te-131m

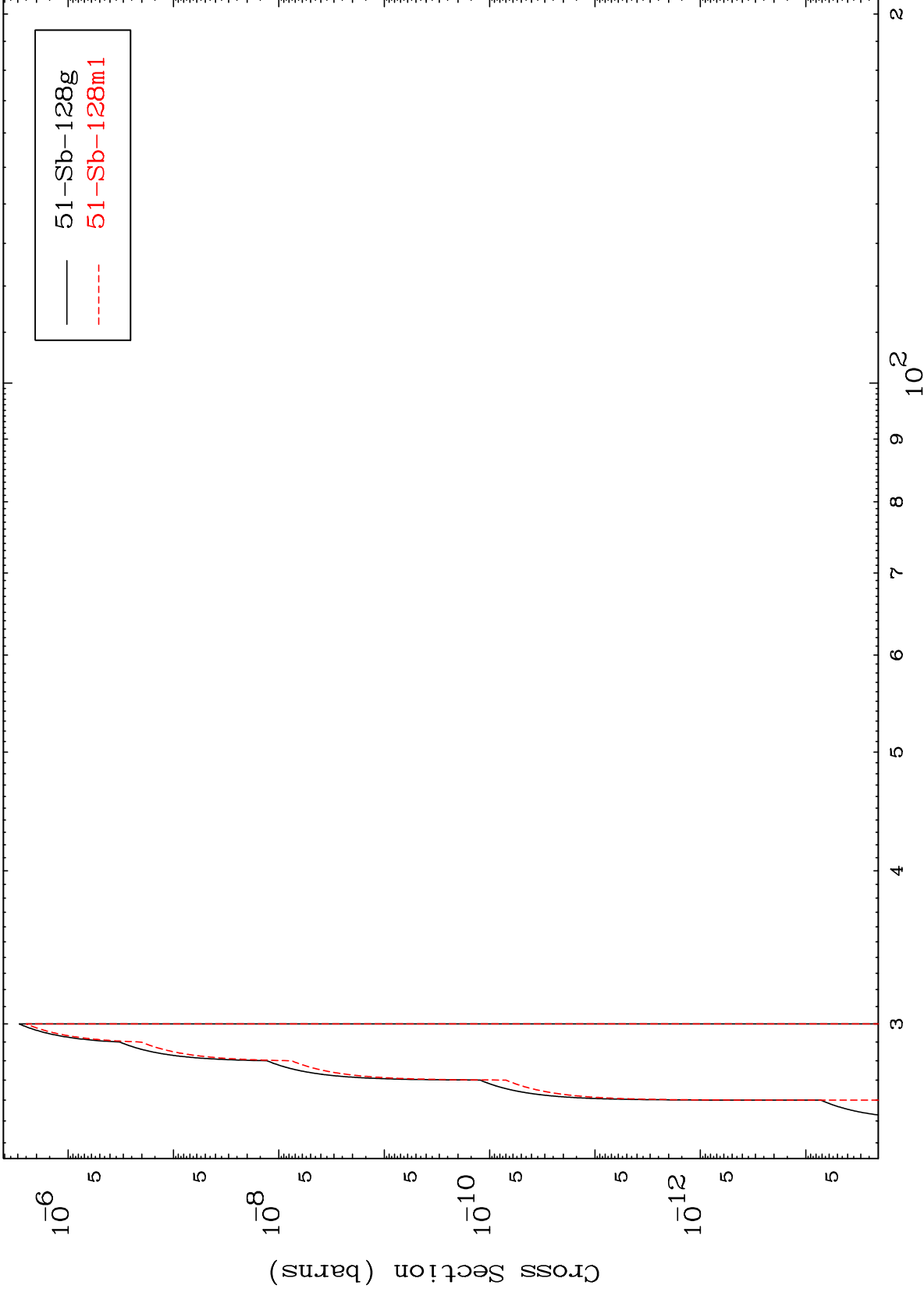
Incident Energy (MeV)

MAT 5259

(n,3n) p

52-Te-131m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

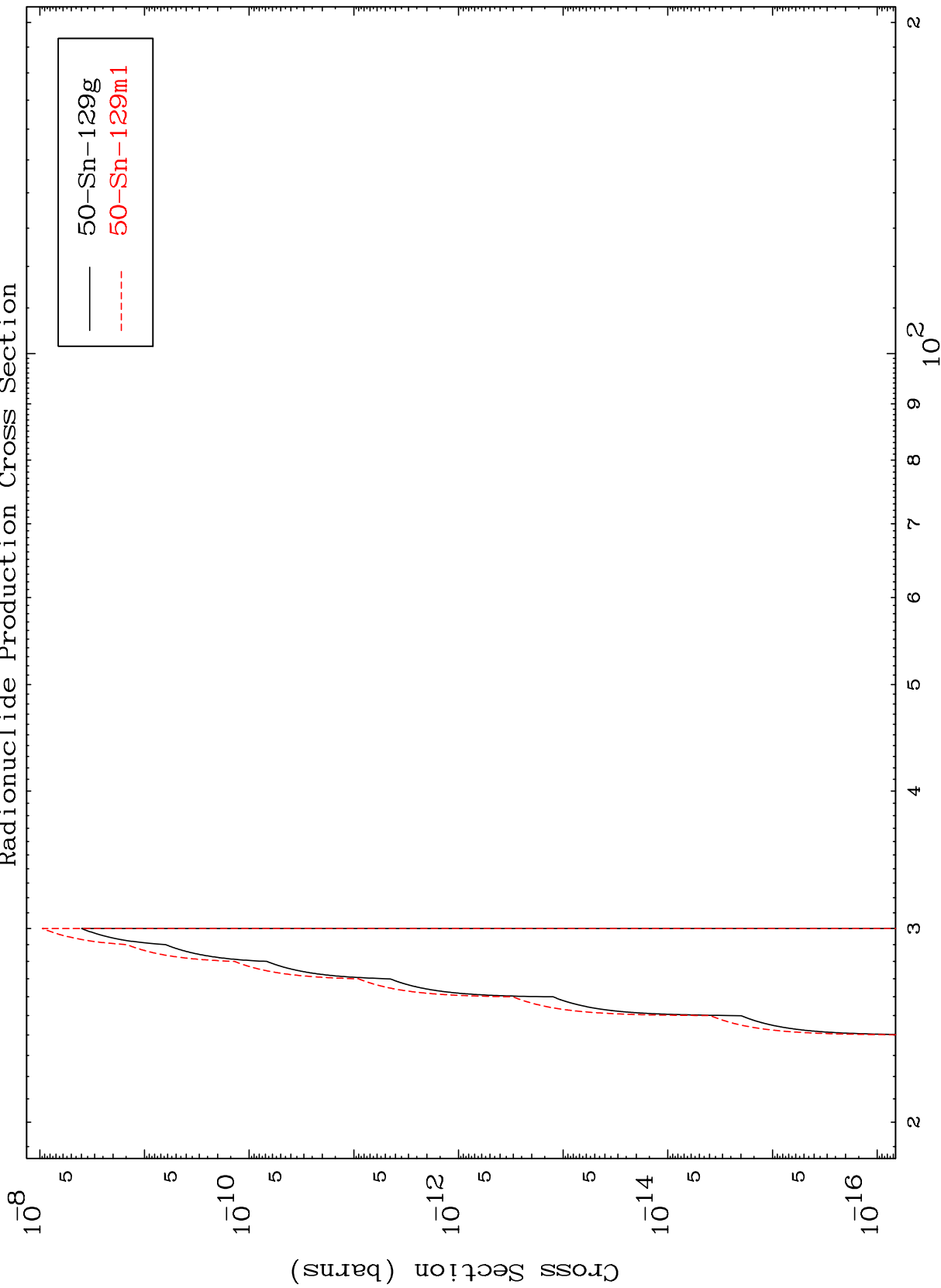
52-Te-131m

MAT 5259

(n,2n) p

52-Te-131m

Radionuclide Production Cross Section



29

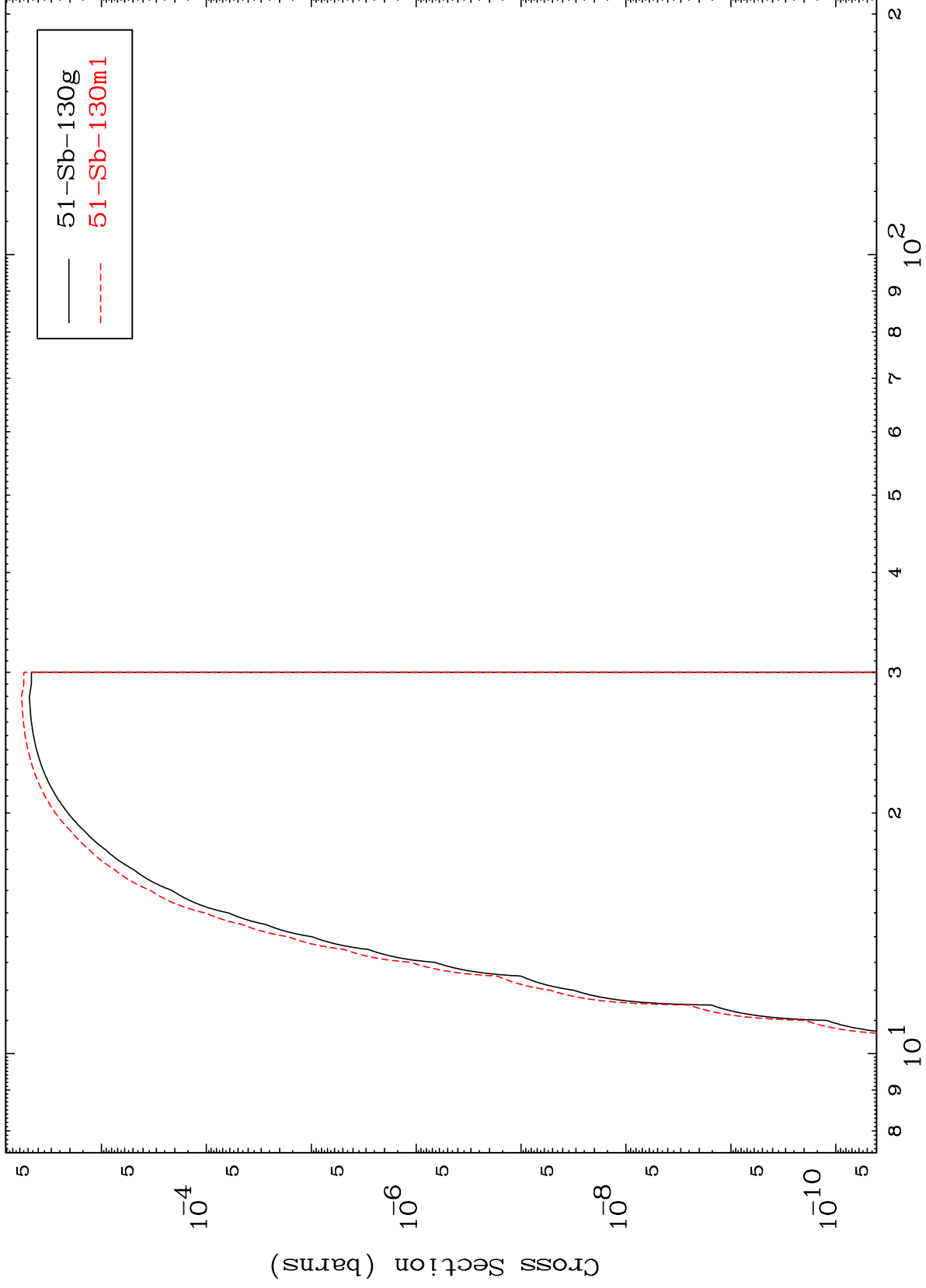
Incident Energy (MeV)

52-Te-131m

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52-Te-131m

(n,d)  
Radionuclide Production Cross Section



52-Te-131m

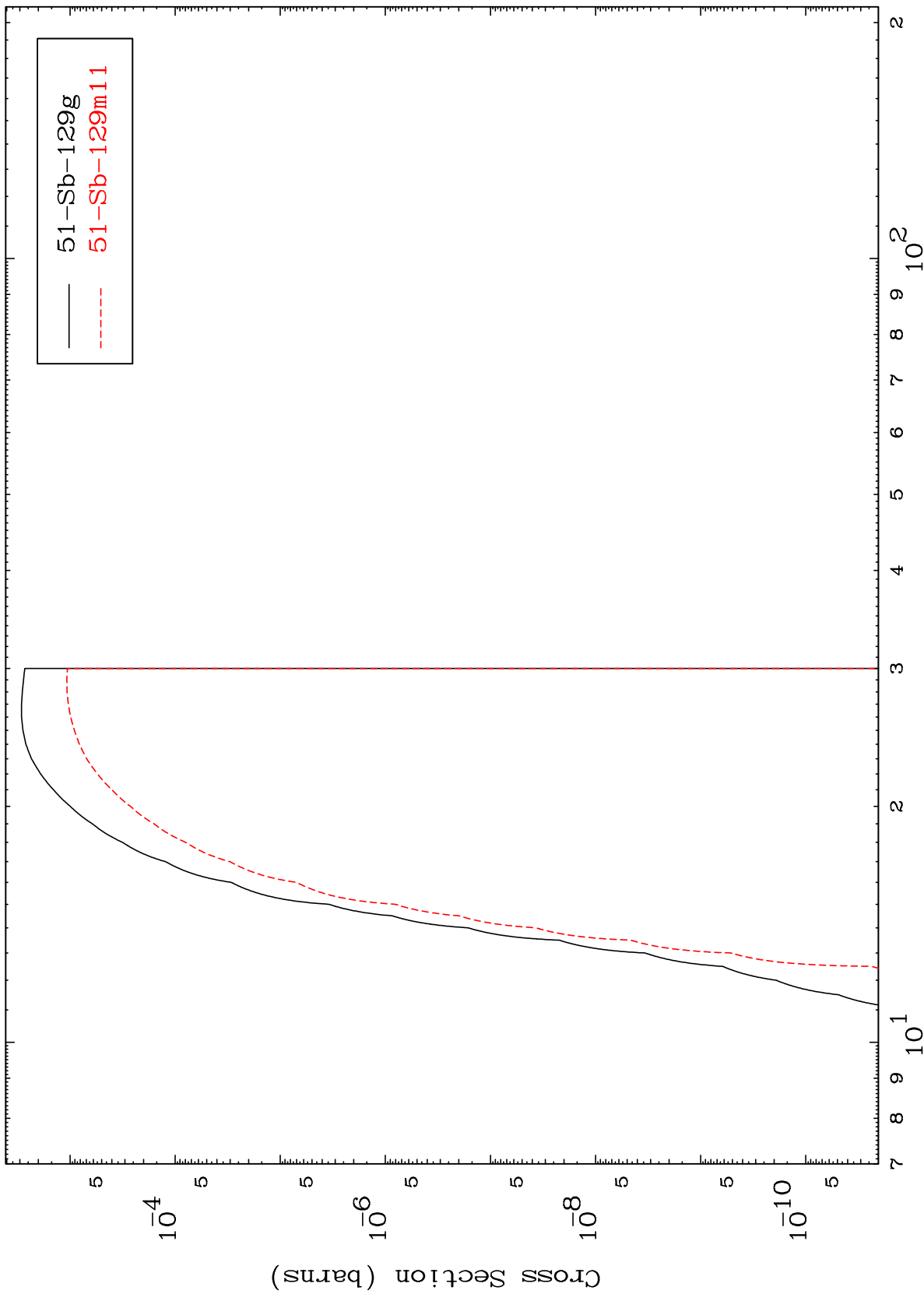
Incident Energy (MeV)

30

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52-Te-131m

(n, t)  
Radionuclide Production Cross Section



31

Incident Energy (MeV)

52-Te-131m

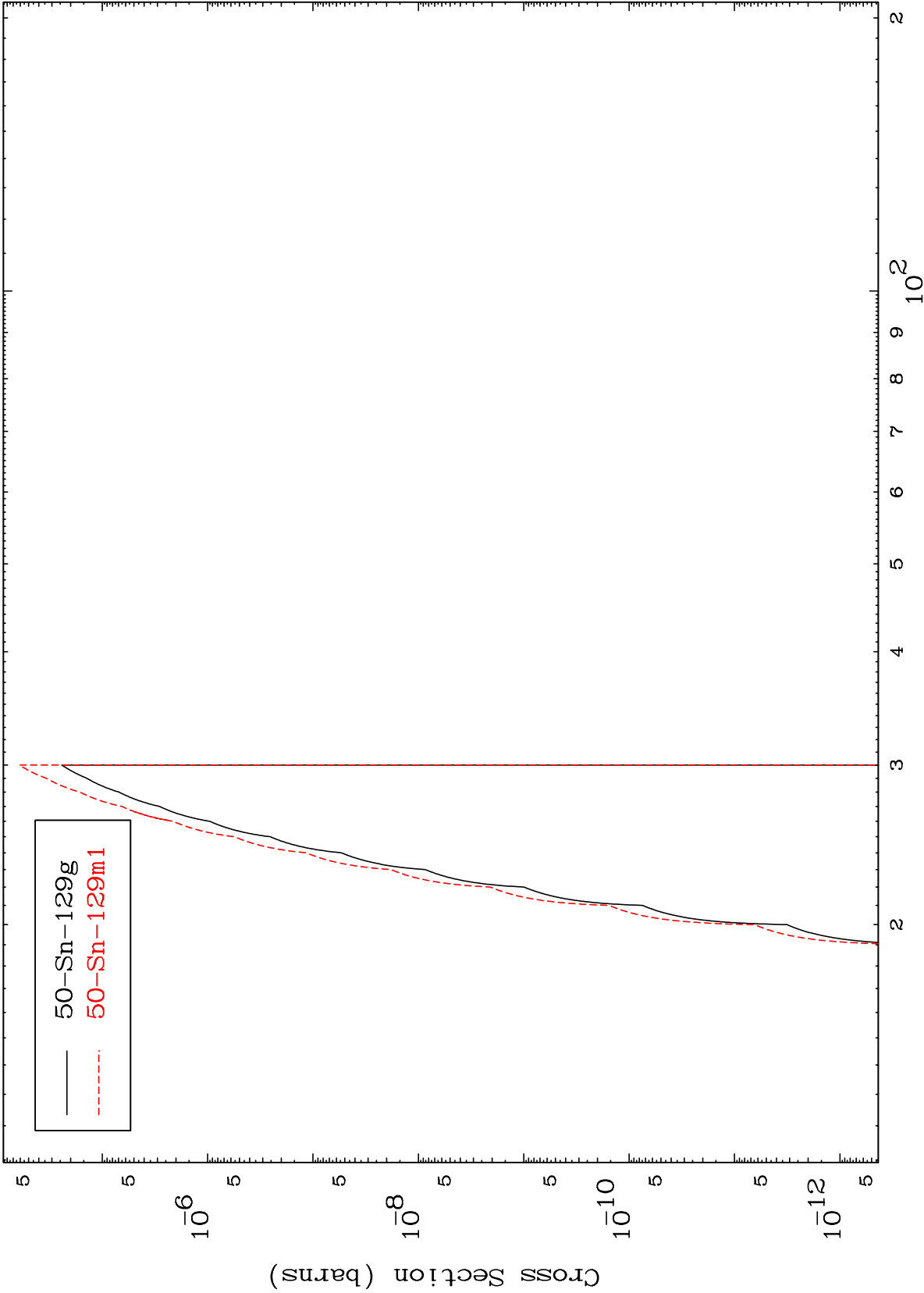


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(n,He-3)

52-Te-131m

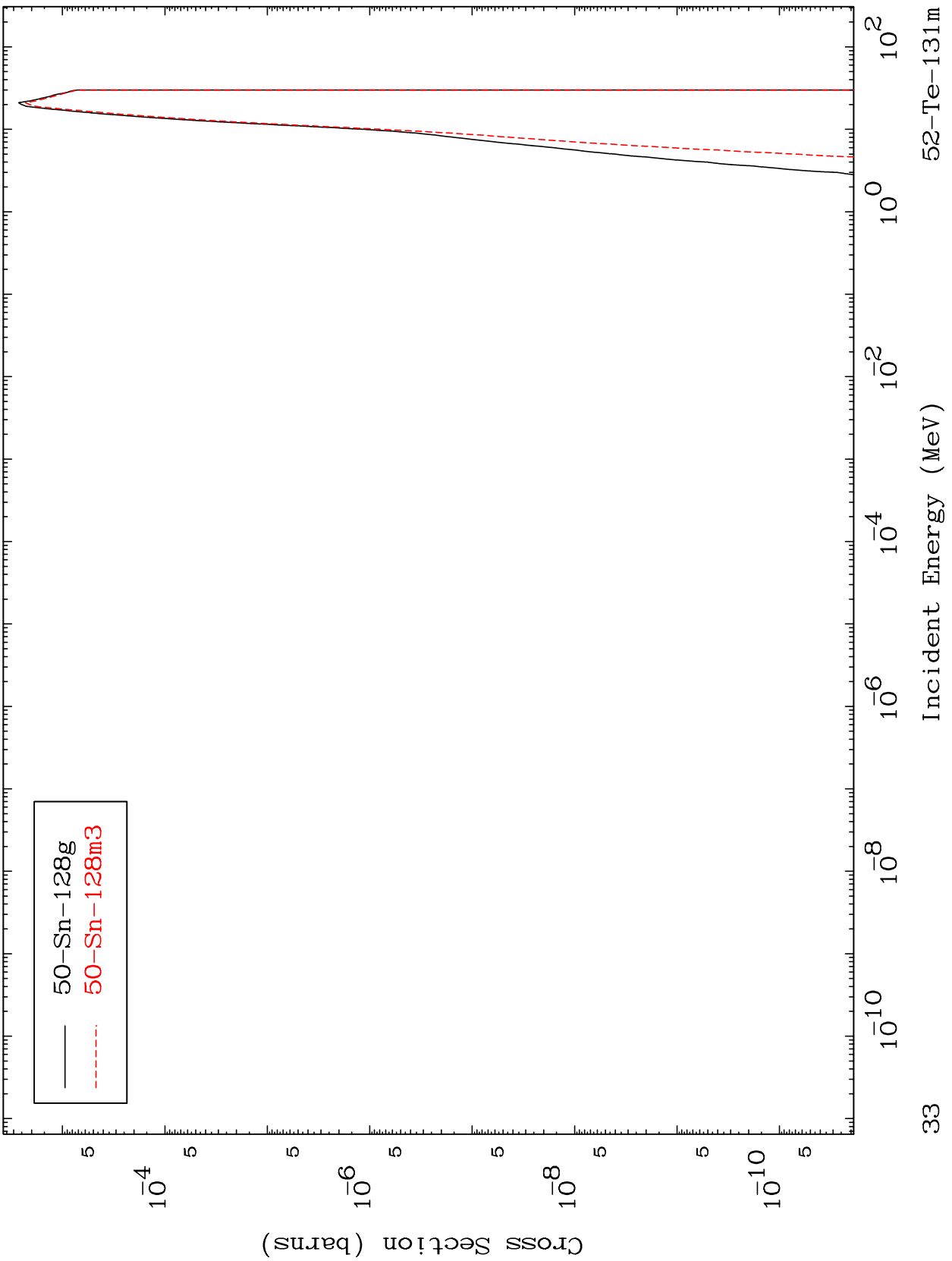
Radionuclide Production Cross Section



MAT 5259

52-Te-131m

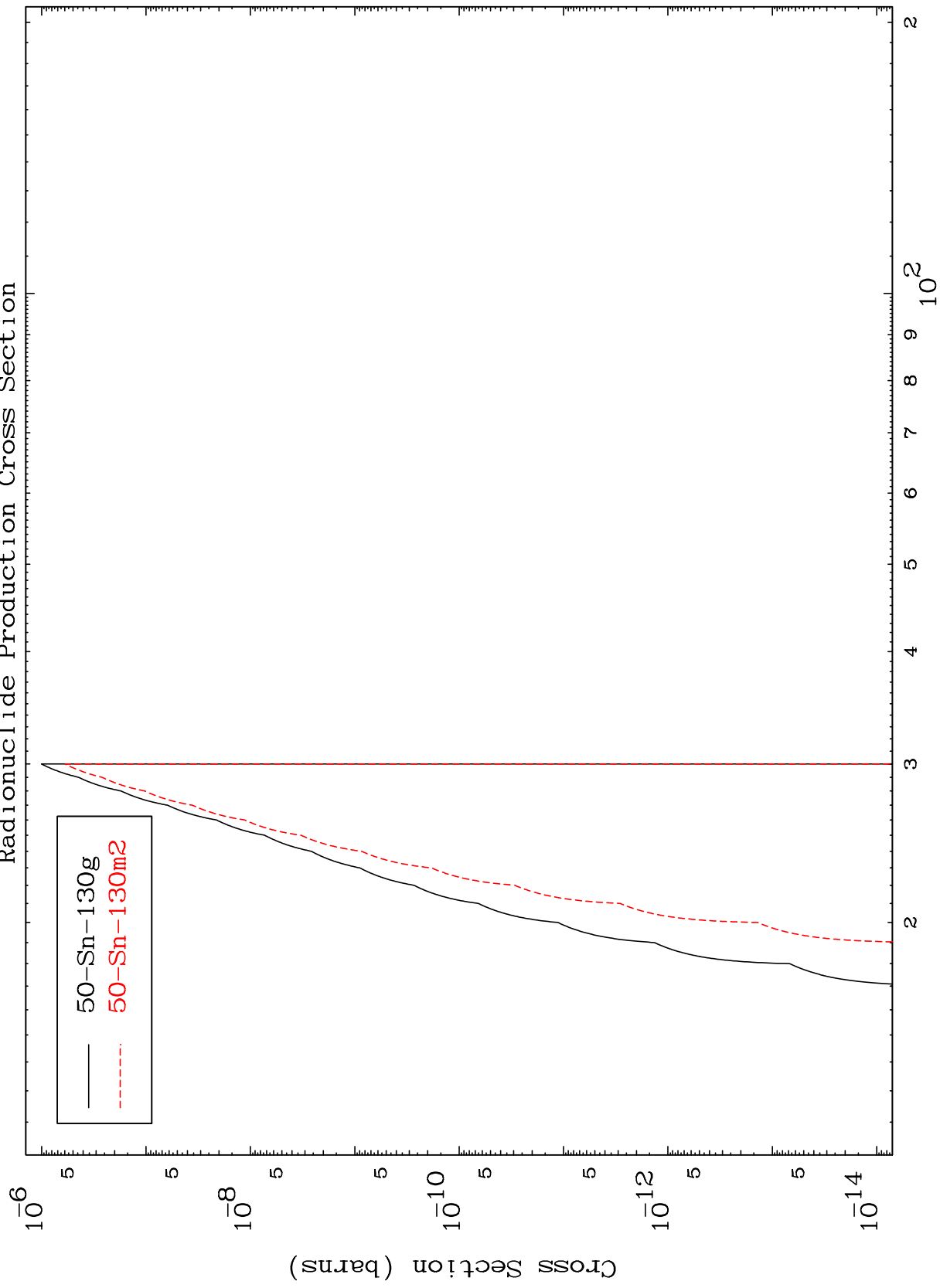
Radionuclide Production Cross Section (n,α)



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52-Te-131m

(n,2p)  
Radionuclide Production Cross Section



34

Incident Energy (MeV)

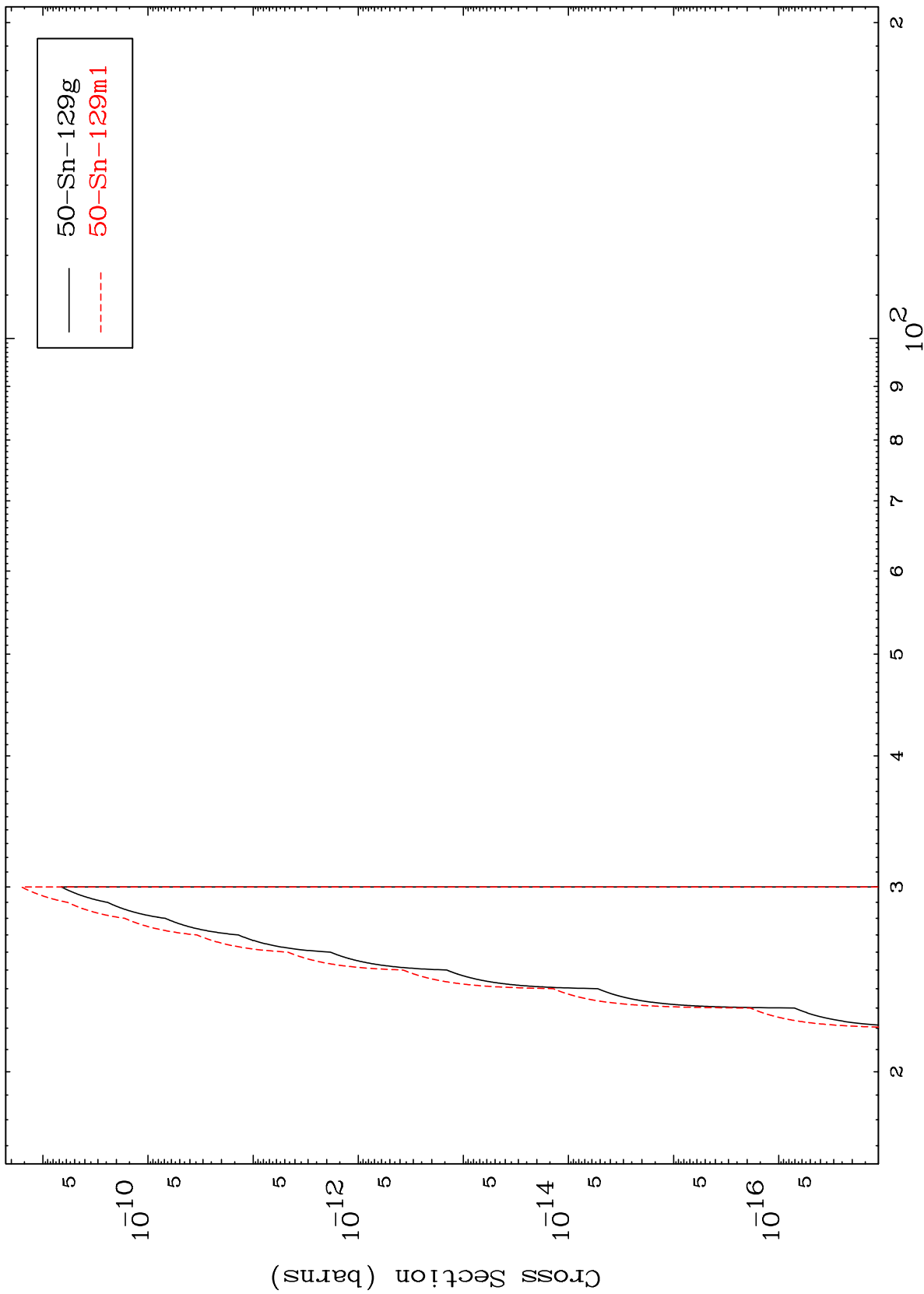
52-Te-131m

MAT 5259

(n,p) d

52-Te-131m

Radionuclide Production Cross Section

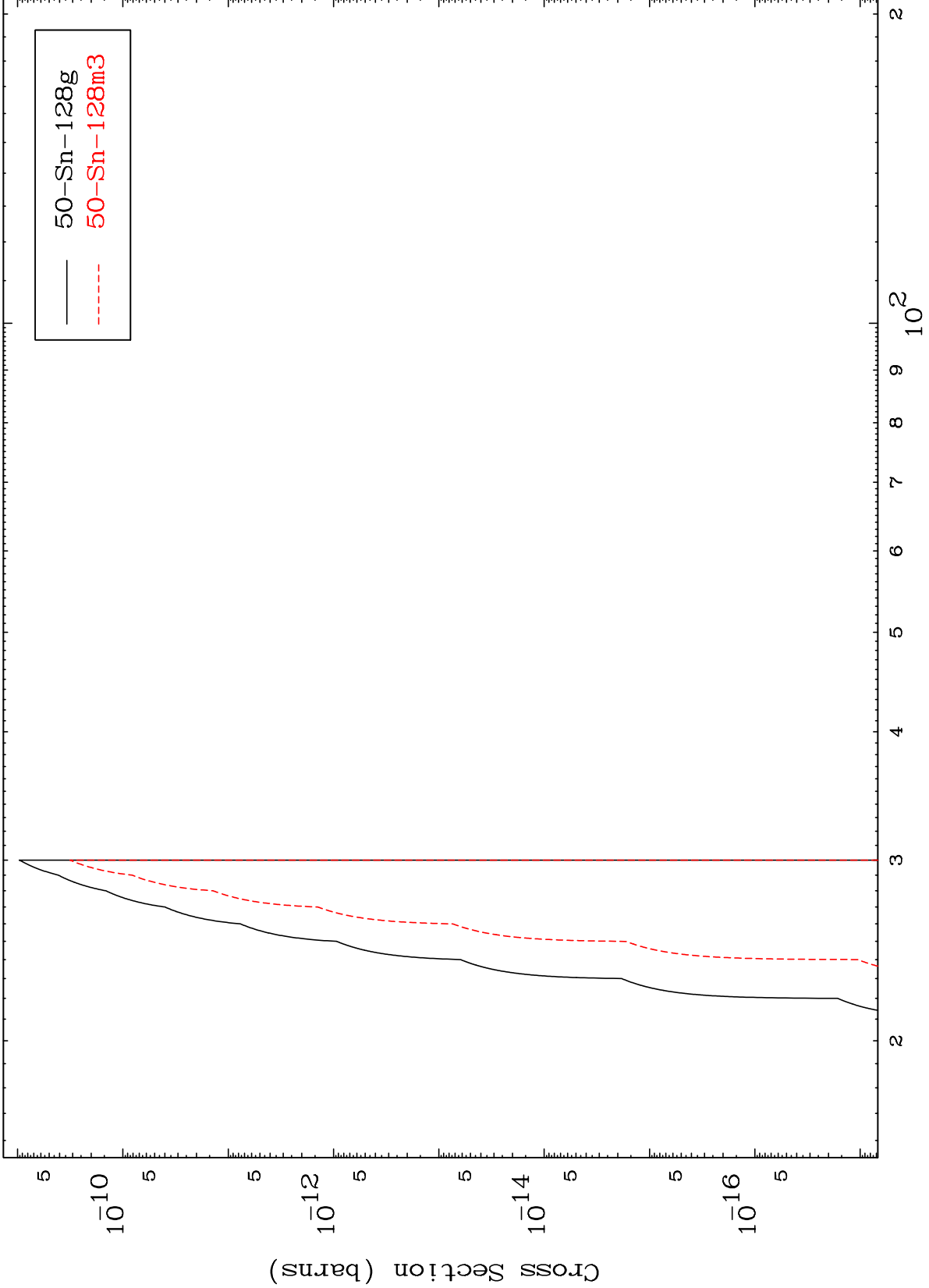


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(n,p) t

52-Te-131m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

52-Te-131m