

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

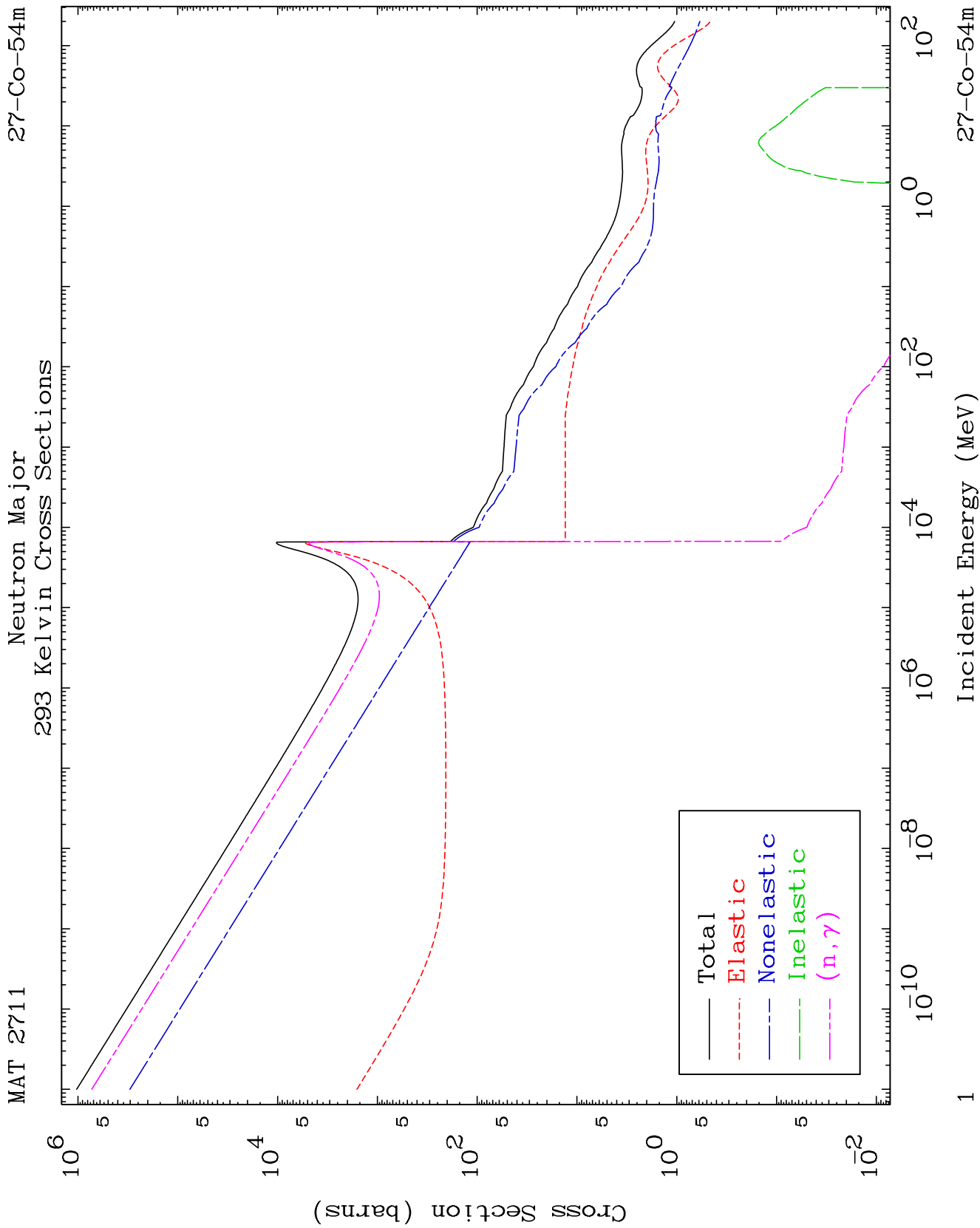
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Web:redcullen1.net/HOMEPAGE.NEW

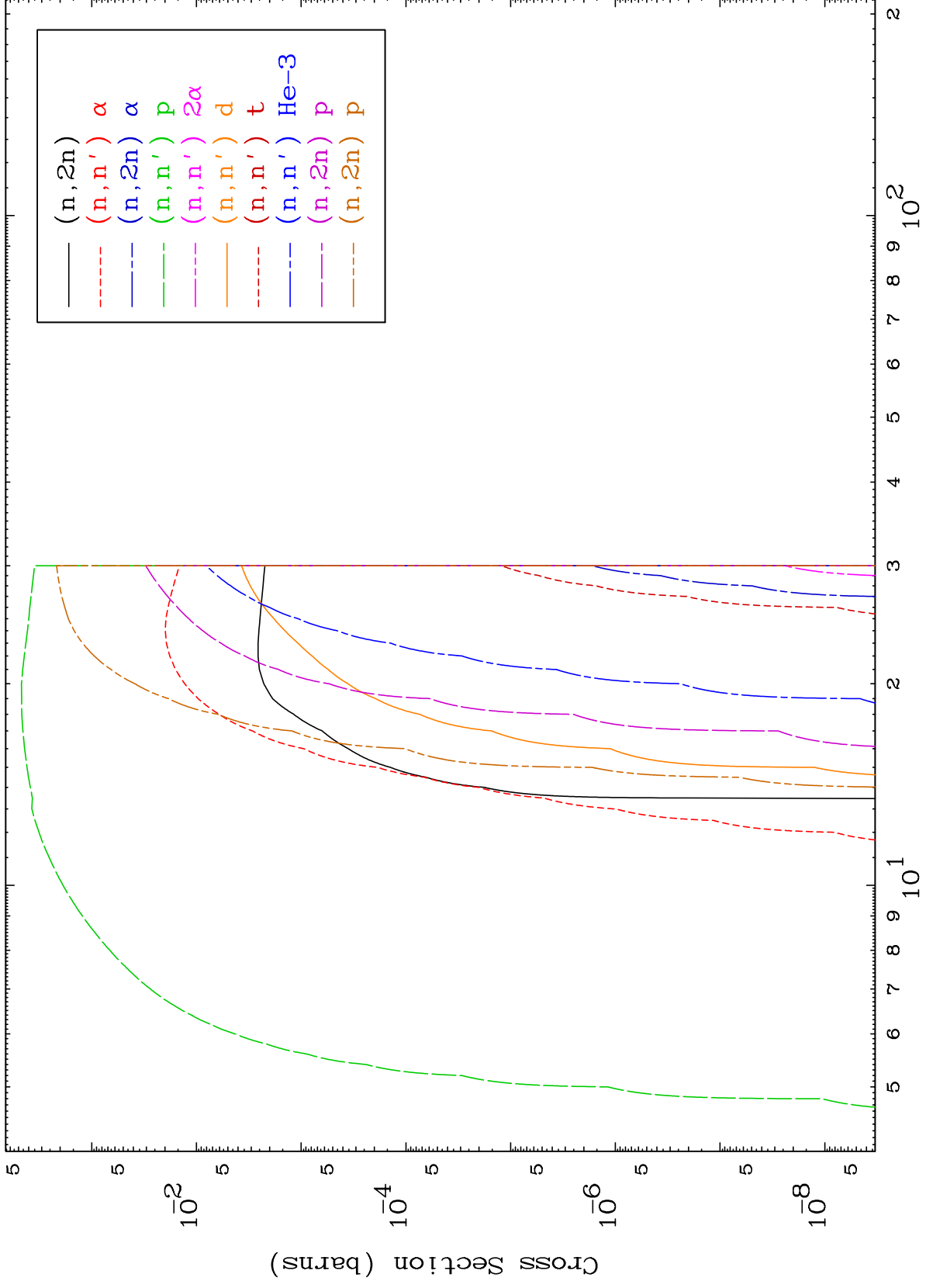
Press Mouse Button to Start



MAT 2711

Neutron Absorption
293 Kelvin Cross Sections

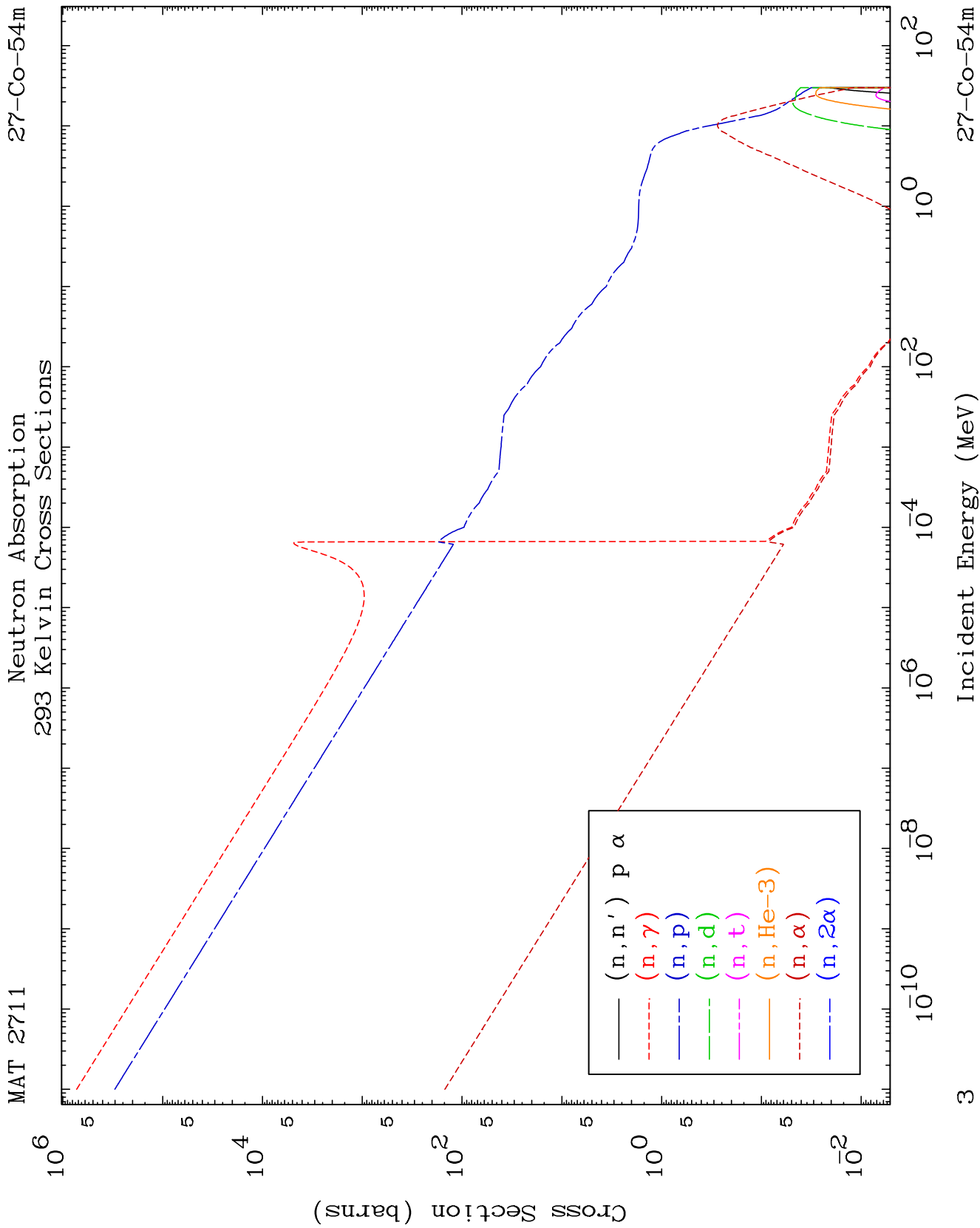
27-Co-54m



2

Incident Energy (MeV)

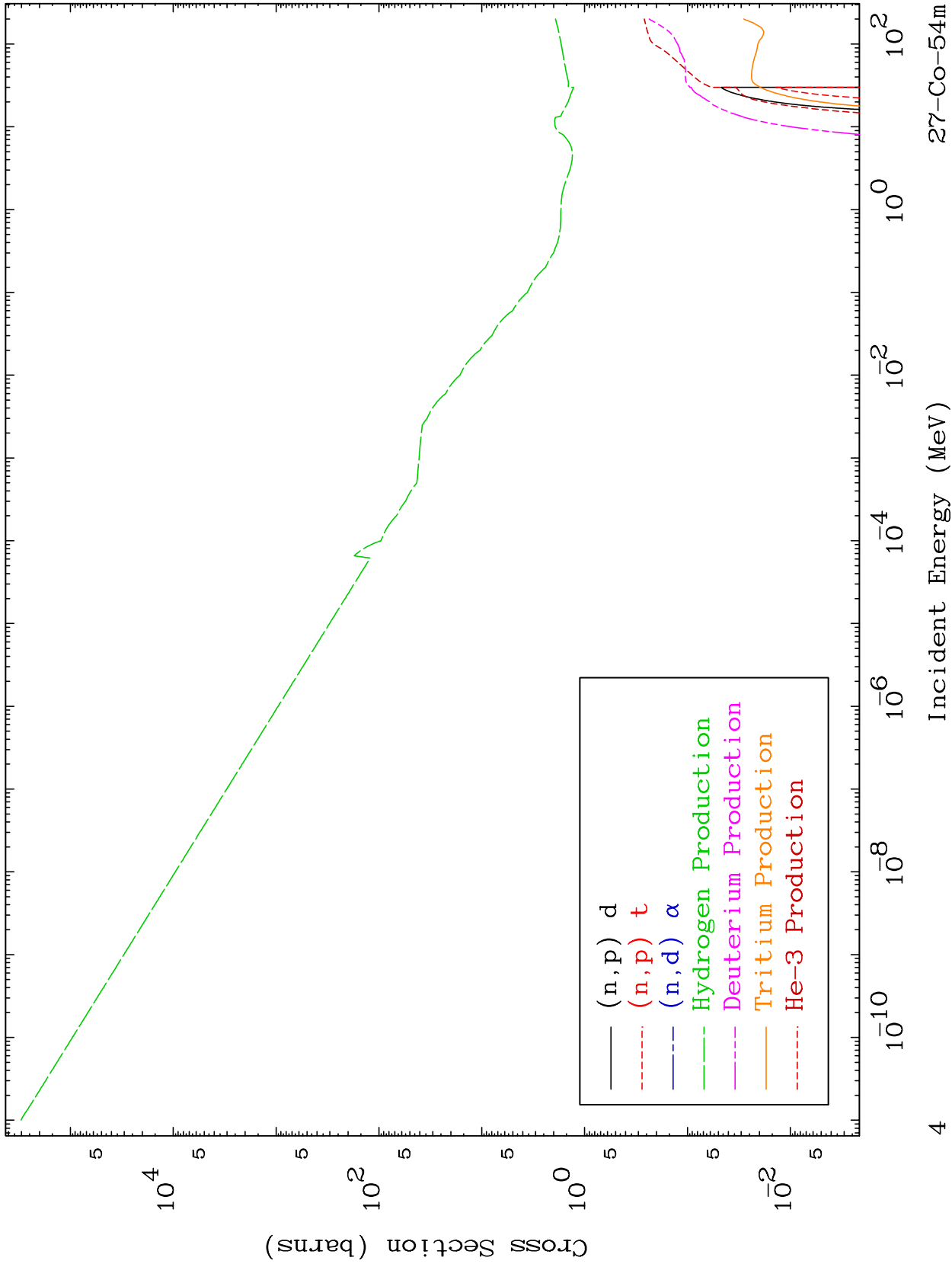
27-Co-54m



MAT 2711

Neutron Absorption
293 Kelvin Cross Sections

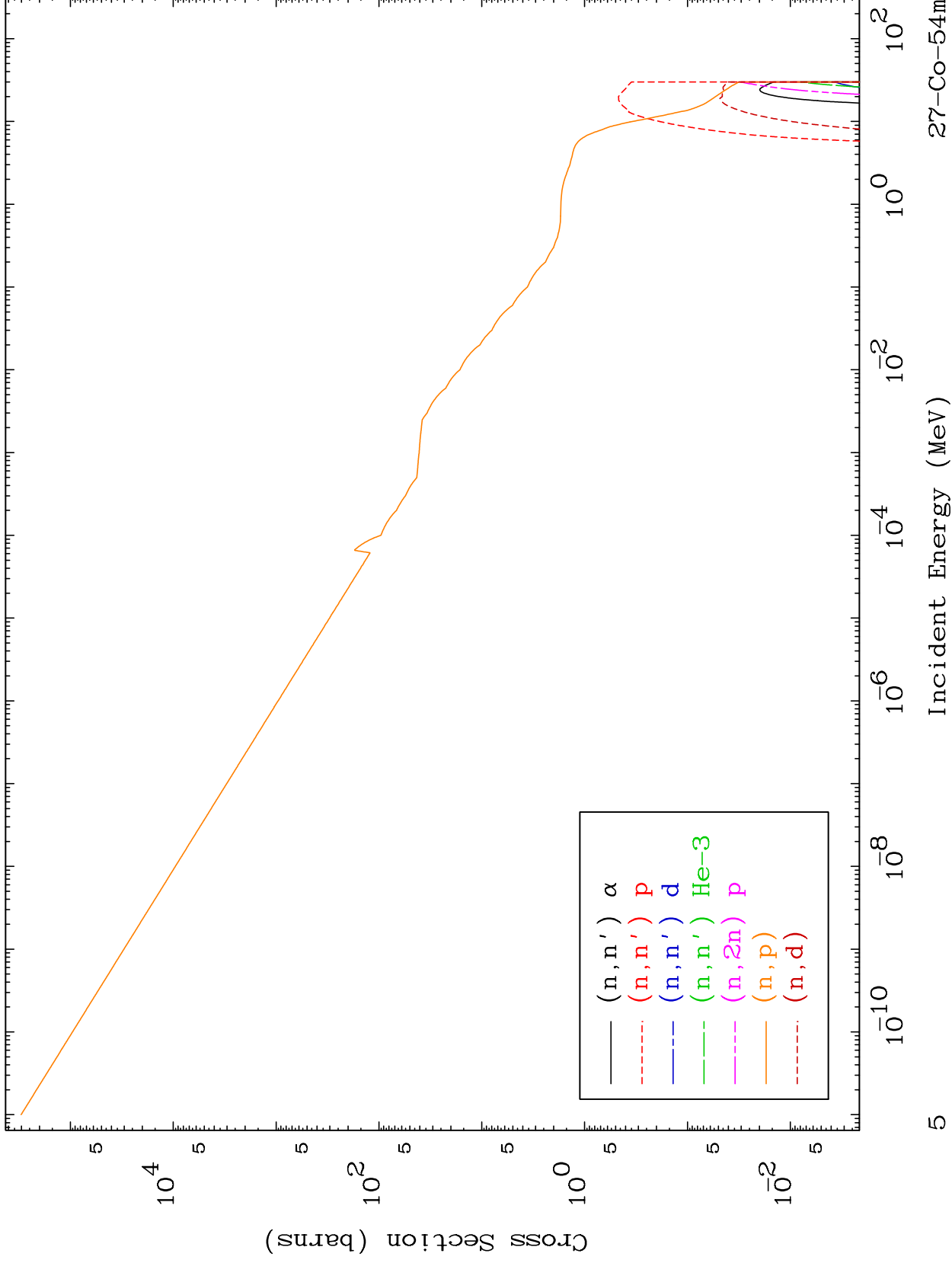
27-Co-54m



MAT 2711

Charged Particle
293 Kelvin Cross Sections

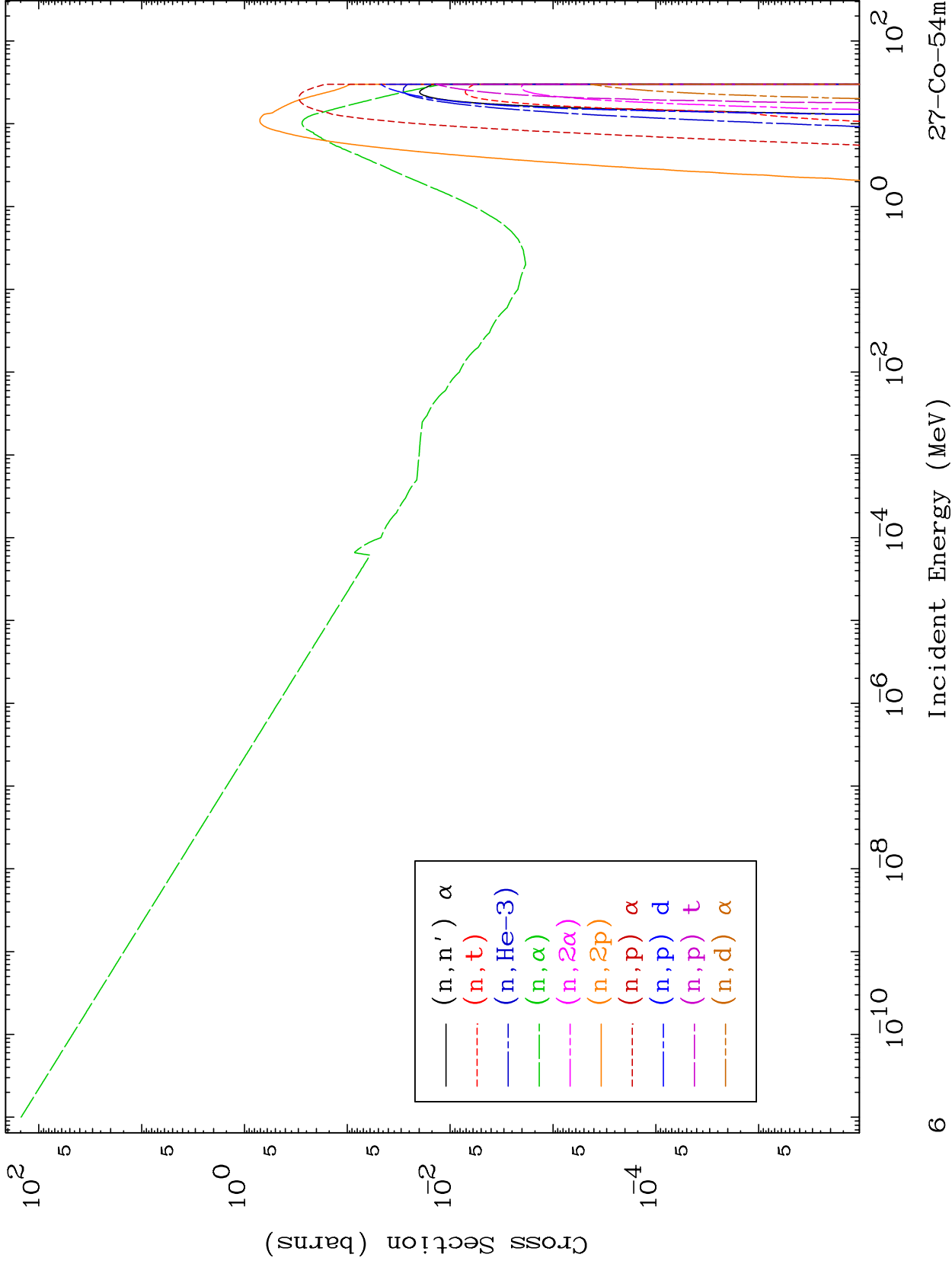
27-Co-54m



MAT 2711

Charged Particle
293 Kelvin Cross Sections

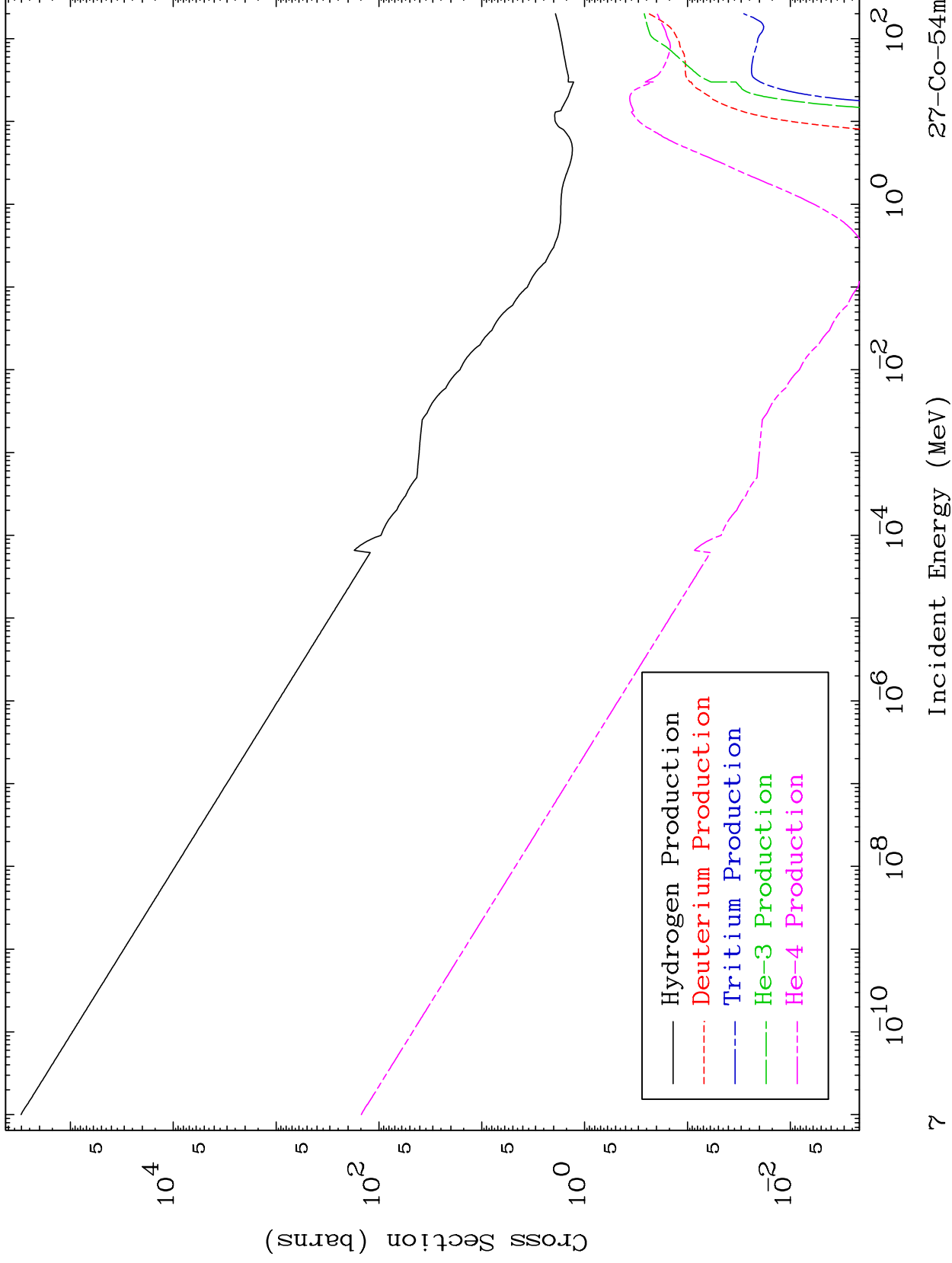
27-Co-54m



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Particle Production
293 Kelvin Cross Sections

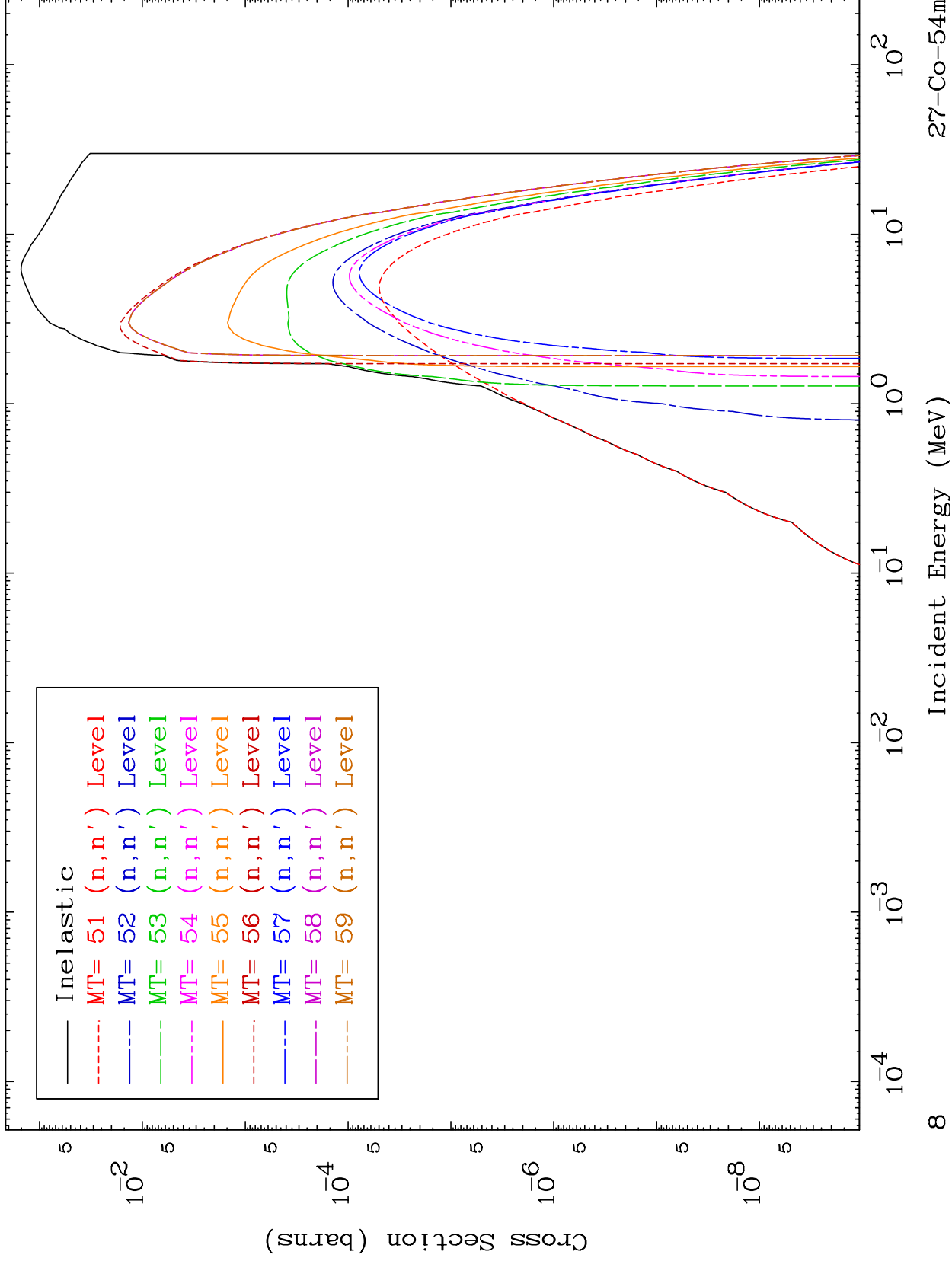
27-Co-54m



MAT 2711

293 (n,n') Levels
Kelvin Cross Sections

27-Co-54m



—	Inelastic
- - -	MT= 51 (n,n') Level
- . -	MT= 52 (n,n') Level
- - -	MT= 53 (n,n') Level
- . -	MT= 54 (n,n') Level
- - -	MT= 55 (n,n') Level
- . -	MT= 56 (n,n') Level
- - -	MT= 57 (n,n') Level
- . -	MT= 58 (n,n') Level
- - -	MT= 59 (n,n') Level

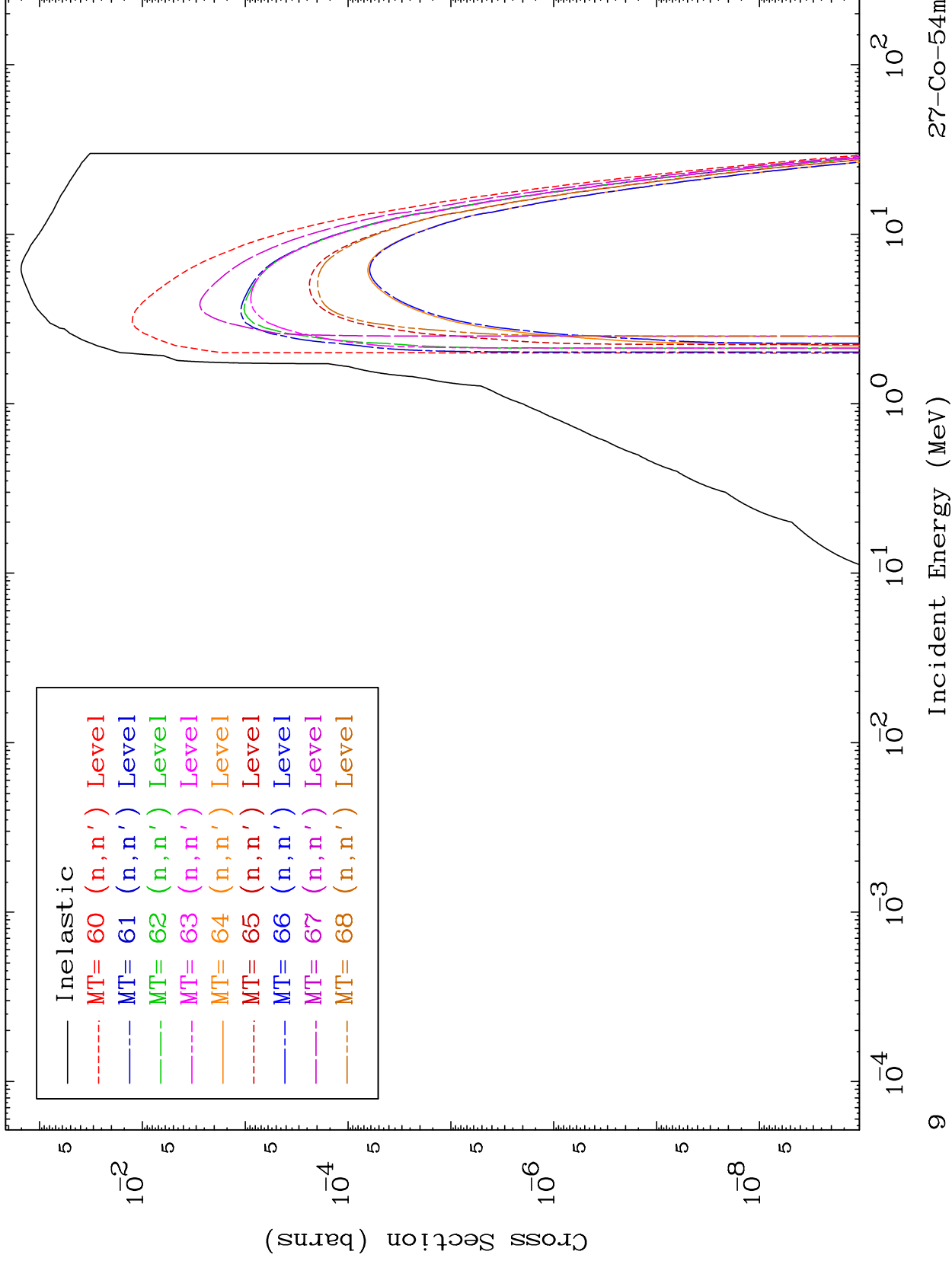
27-Co-54m

Incident Energy (MeV)

MAT 2711

293 (n,n') Levels
Kelvin Cross Sections

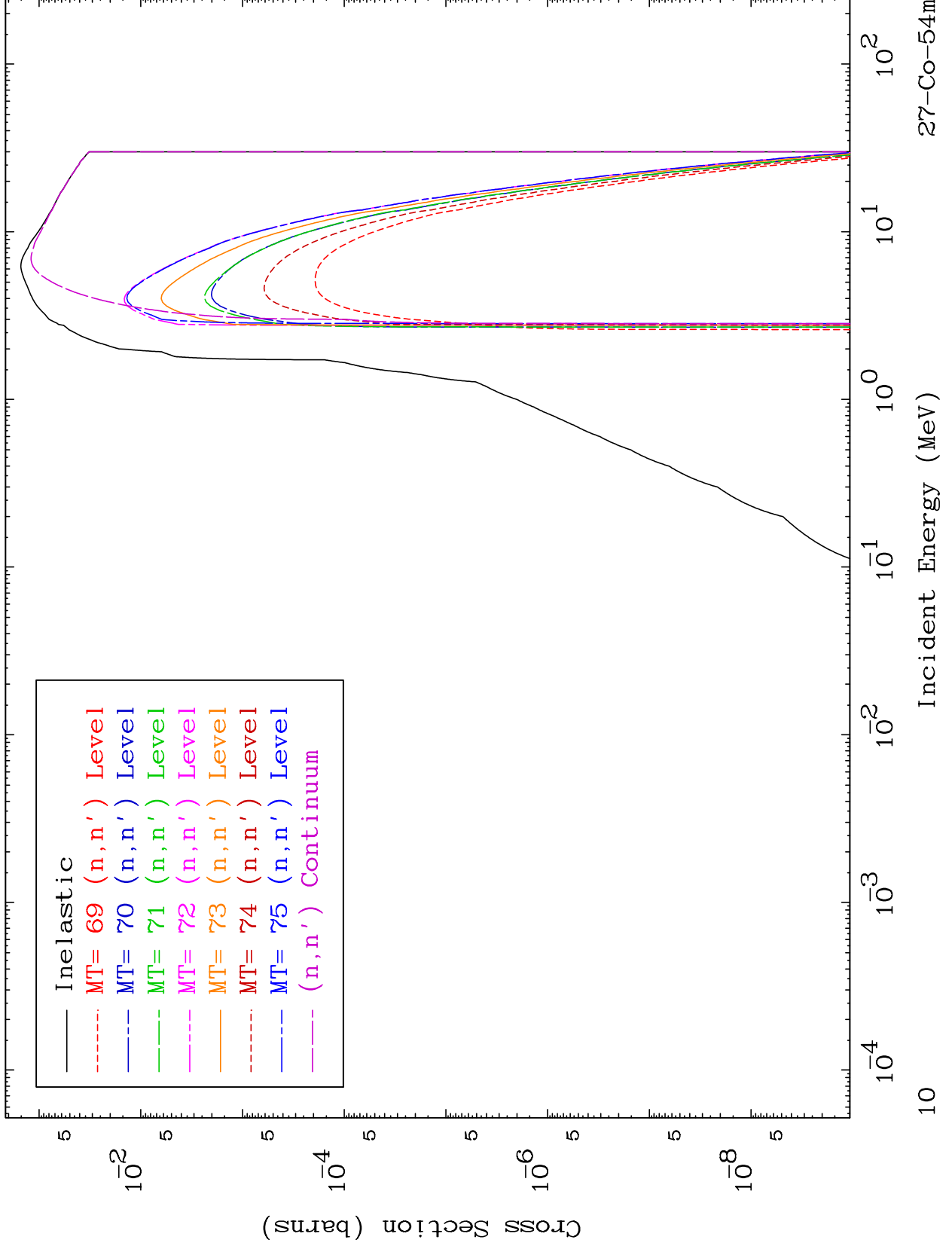
27-Co-54m



MAT 2711

(n,n') Levels
293 Kelvin Cross Sections

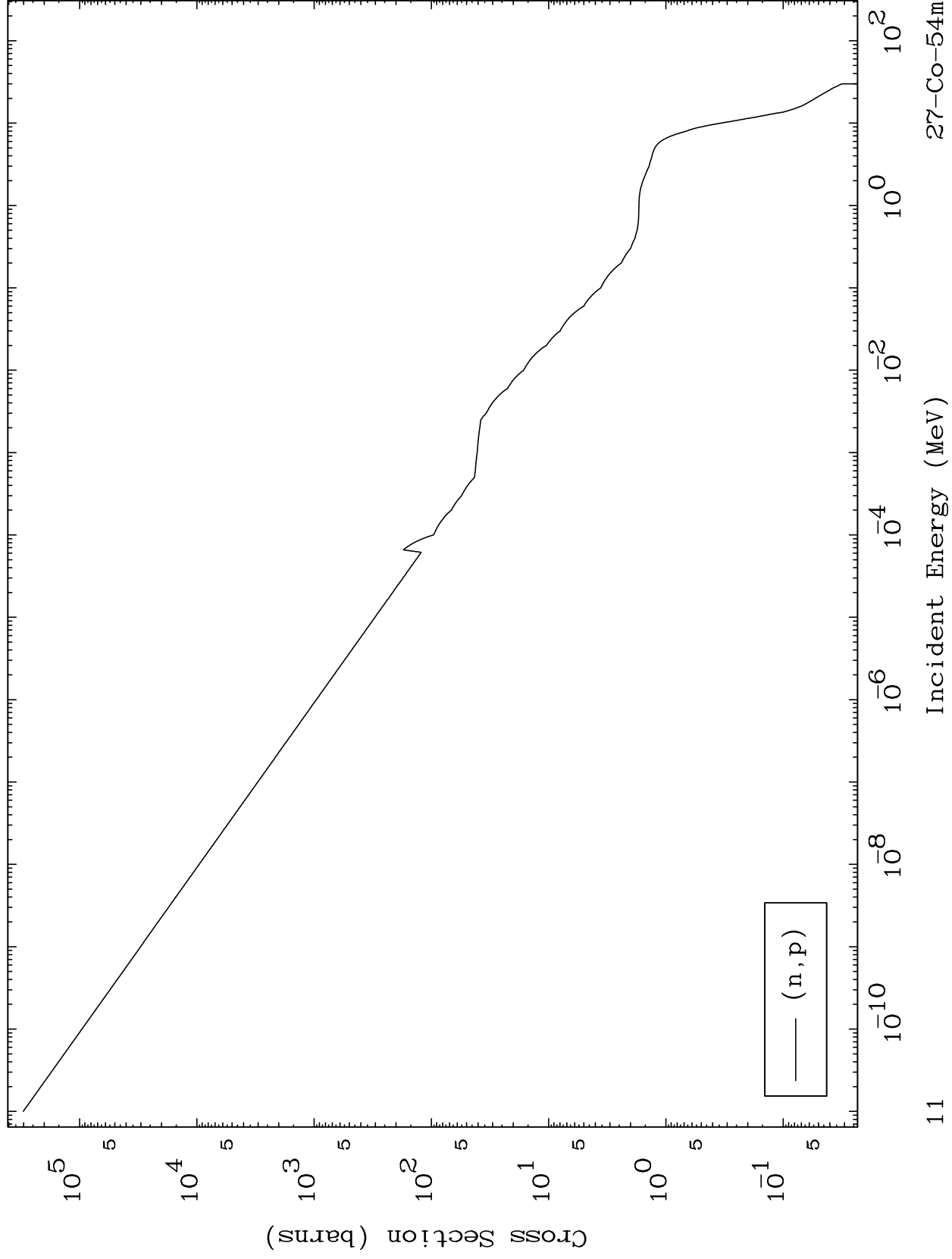
27-Co-54m



MAT 2711

(n,p) Levels
293 Kelvin Cross Sections

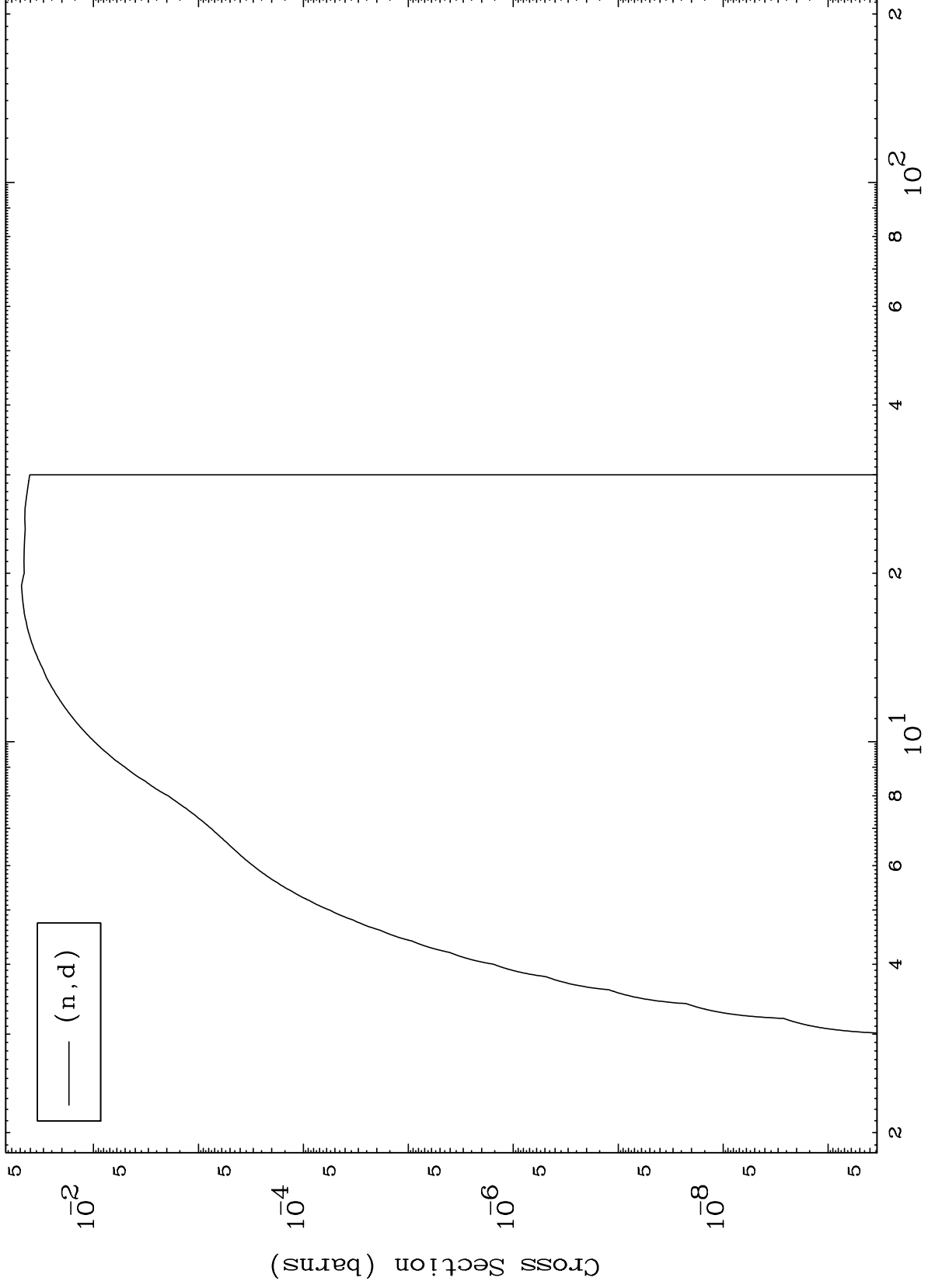
27-Co-54m



MAT 2711

(n,d) Levels
293 Kelvin Cross Sections

27-Co-54m



12

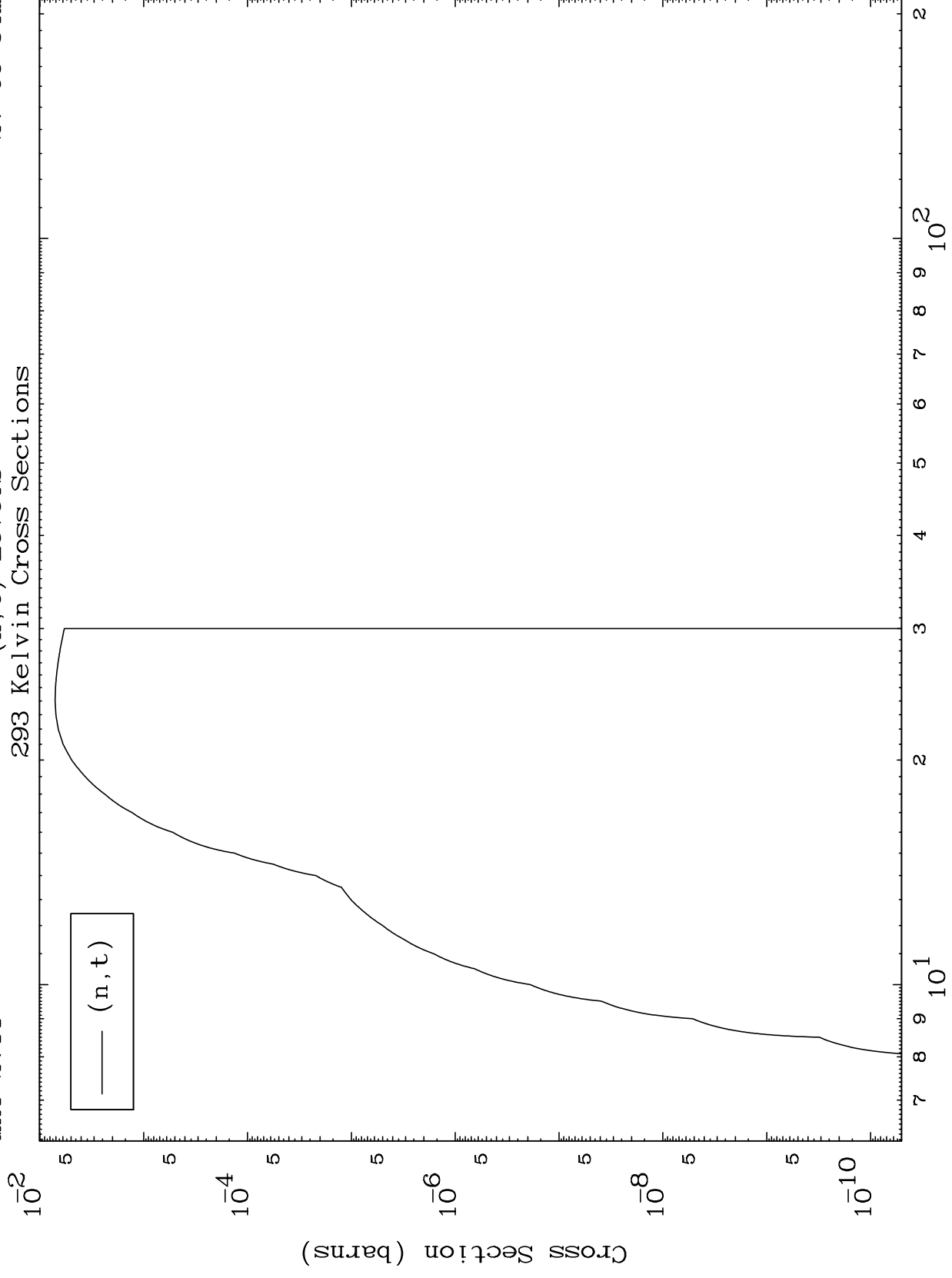
Incident Energy (MeV)

27-Co-54m

MAT 2711

(n,t) Levels
293 Kelvin Cross Sections

27-Co-54m



(n,t)

27-Co-54m

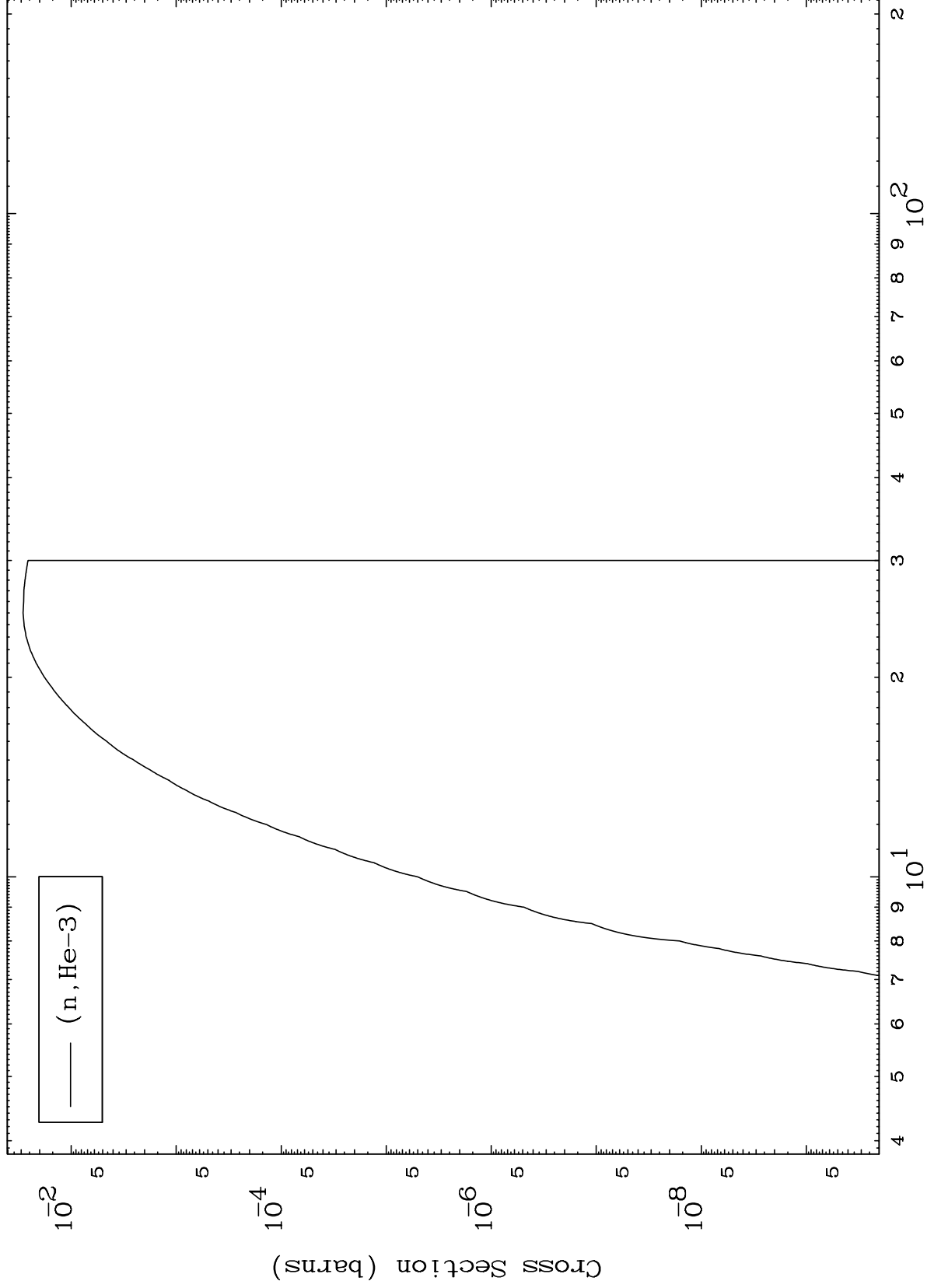
Incident Energy (MeV)

13

MAT 2711

(n,He3) Levels
293 Kelvin Cross Sections

27-Co-54m



14

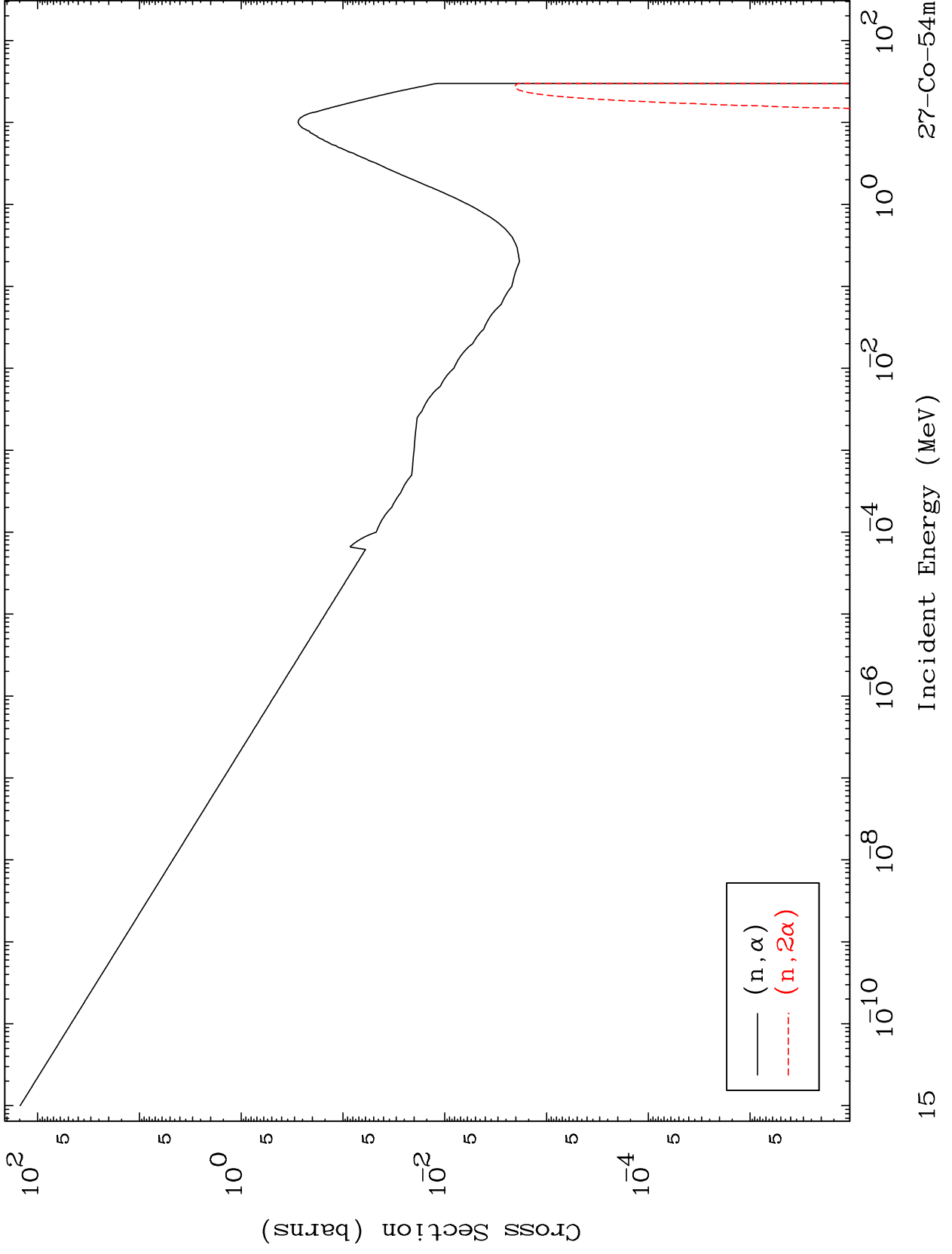
Incident Energy (MeV)

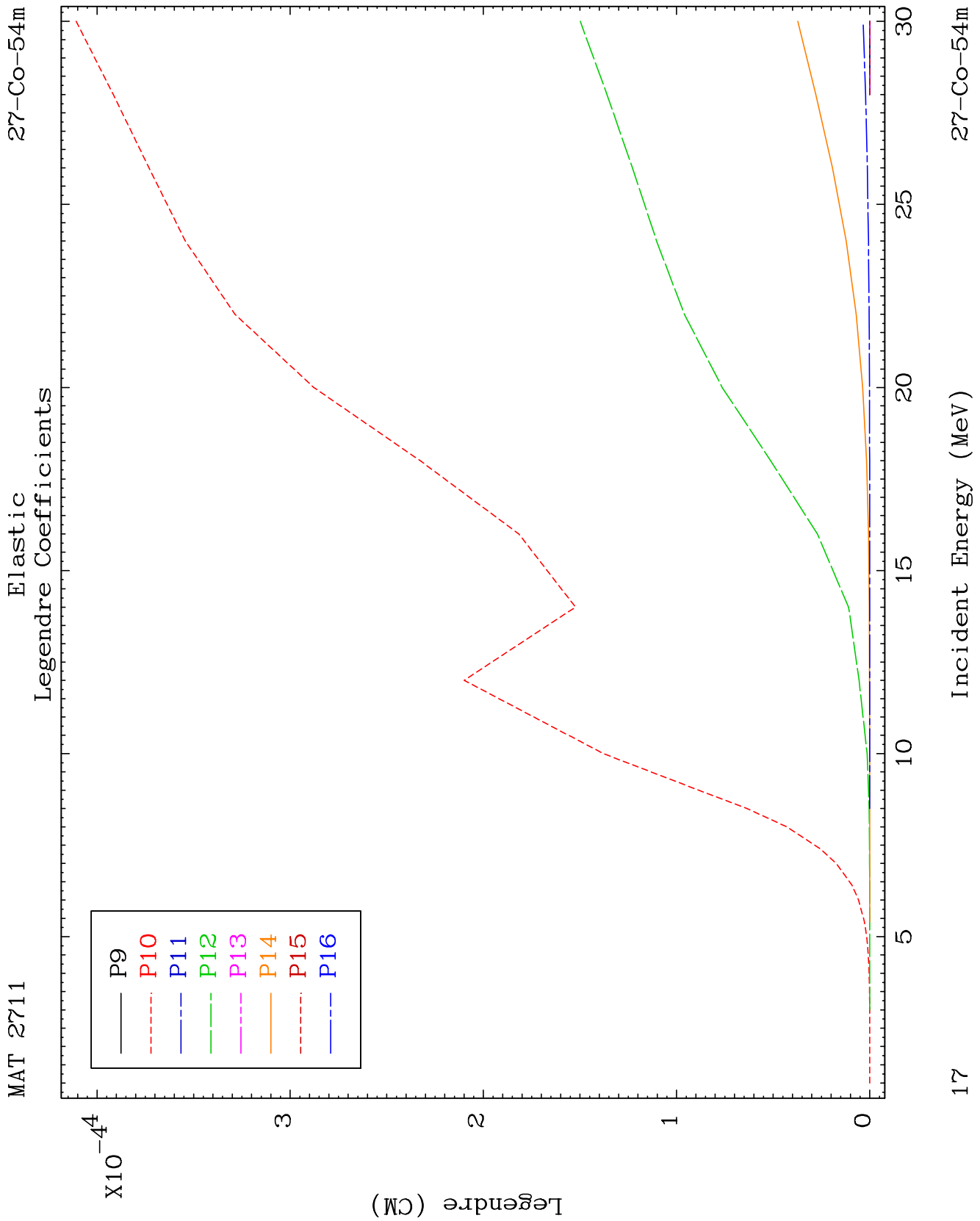
27-Co-54m

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(n,α) Levels
293 Kelvin Cross Sections

27-Co-54m

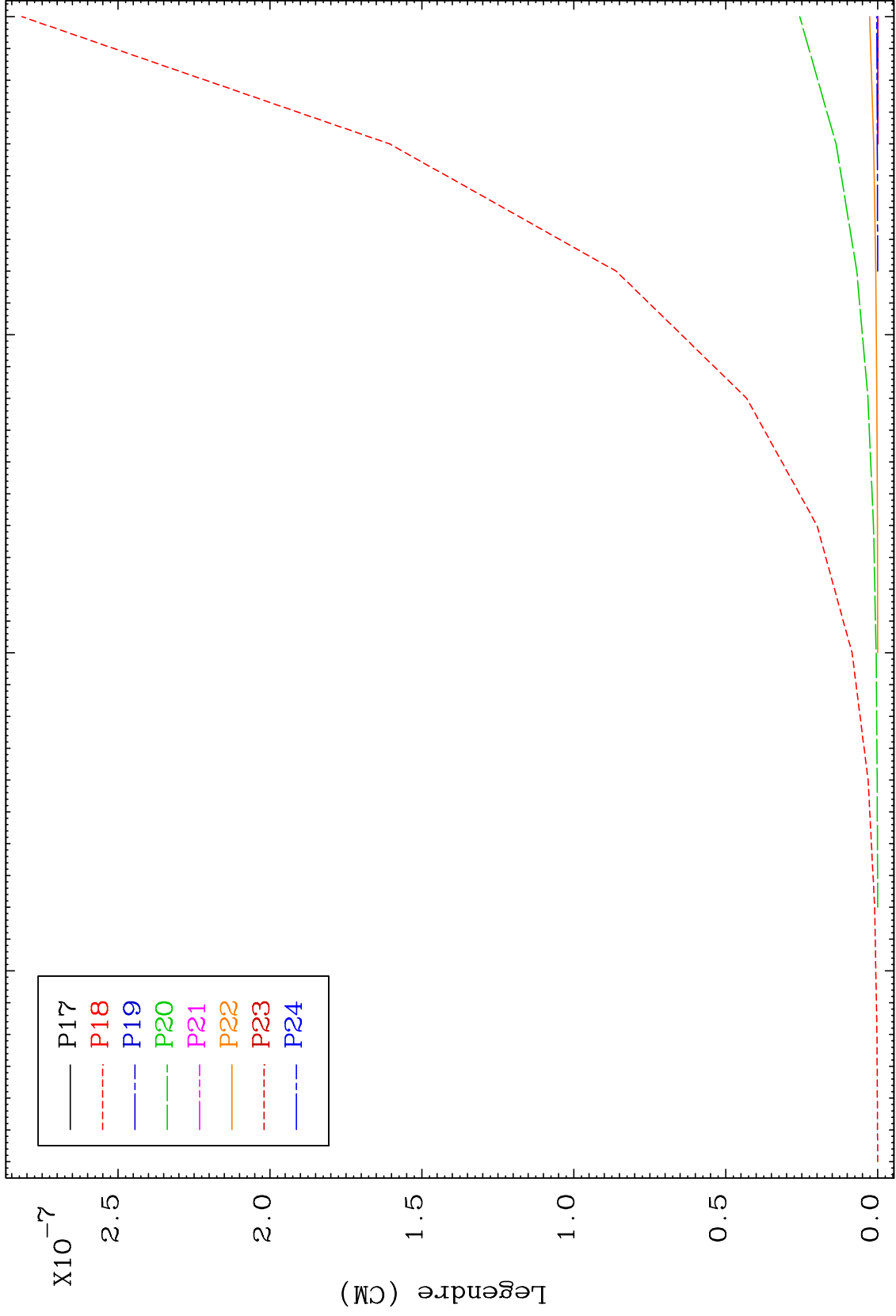




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Elastic Legendre Coefficients

27-Co-54m



18

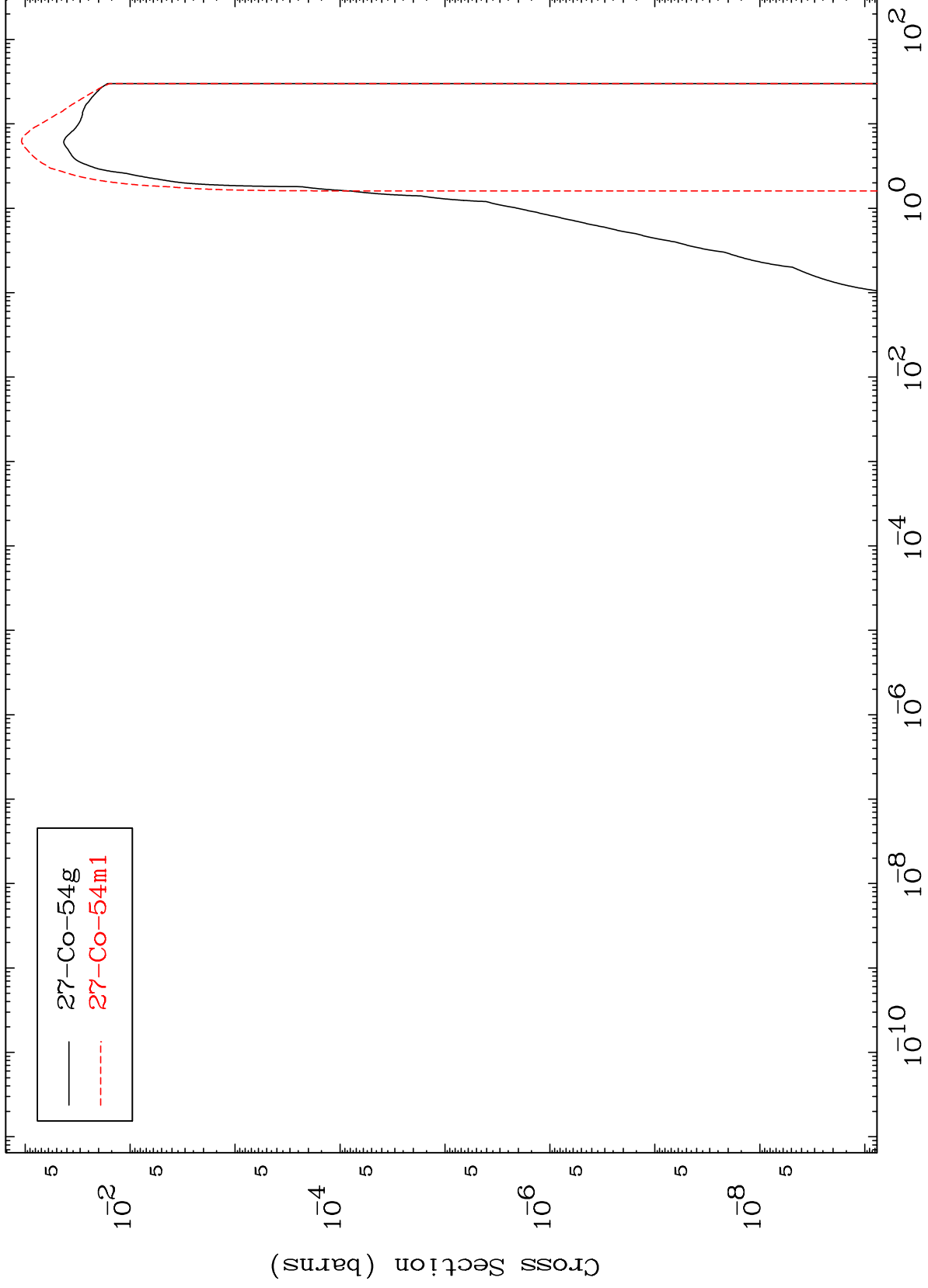
Incident Energy (MeV)

27-Co-54m

MAT 2711

Inelastic
Radionuclide Production Cross Section

²⁷Co-54m

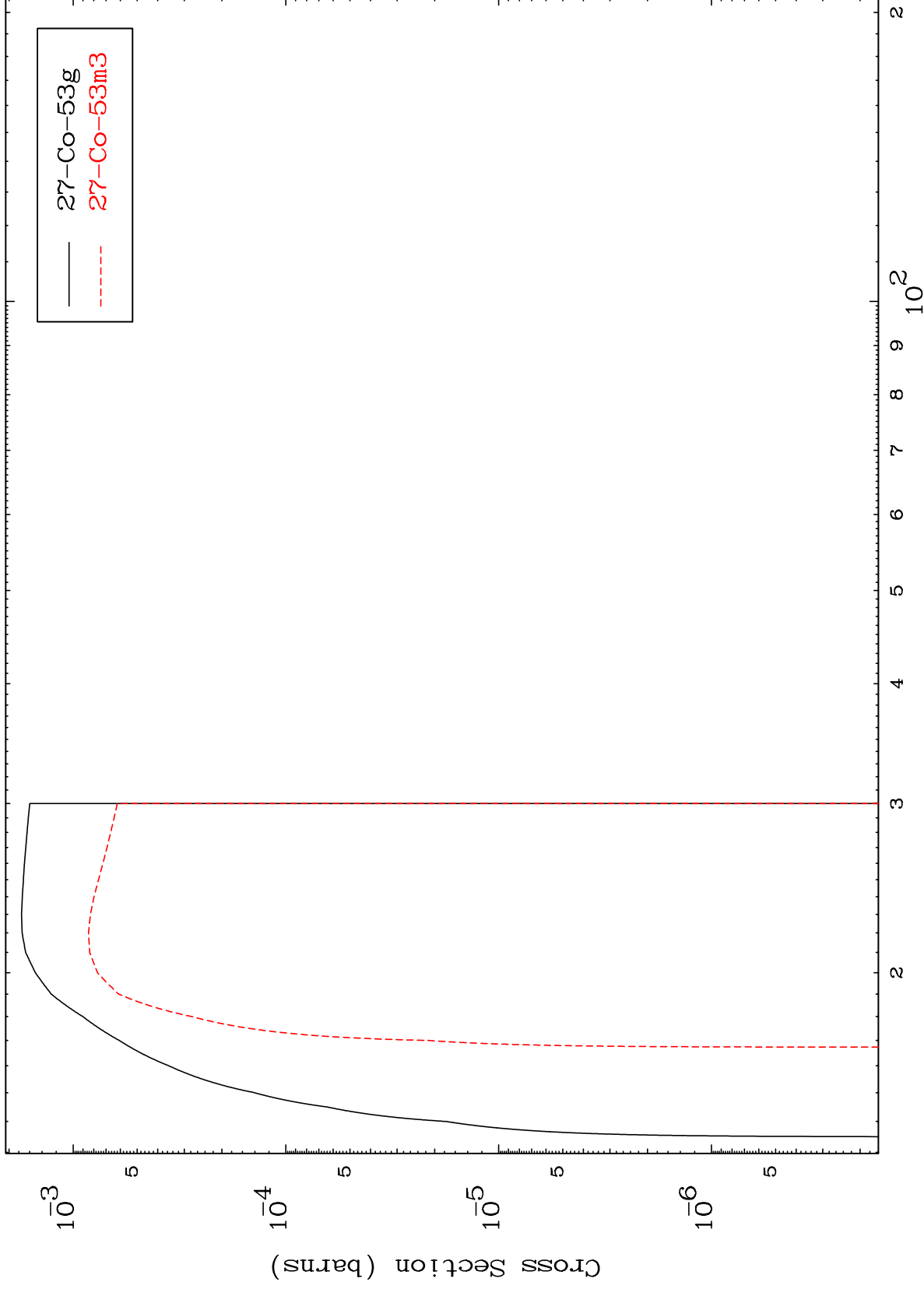


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(n,2n)

27-Co-54m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

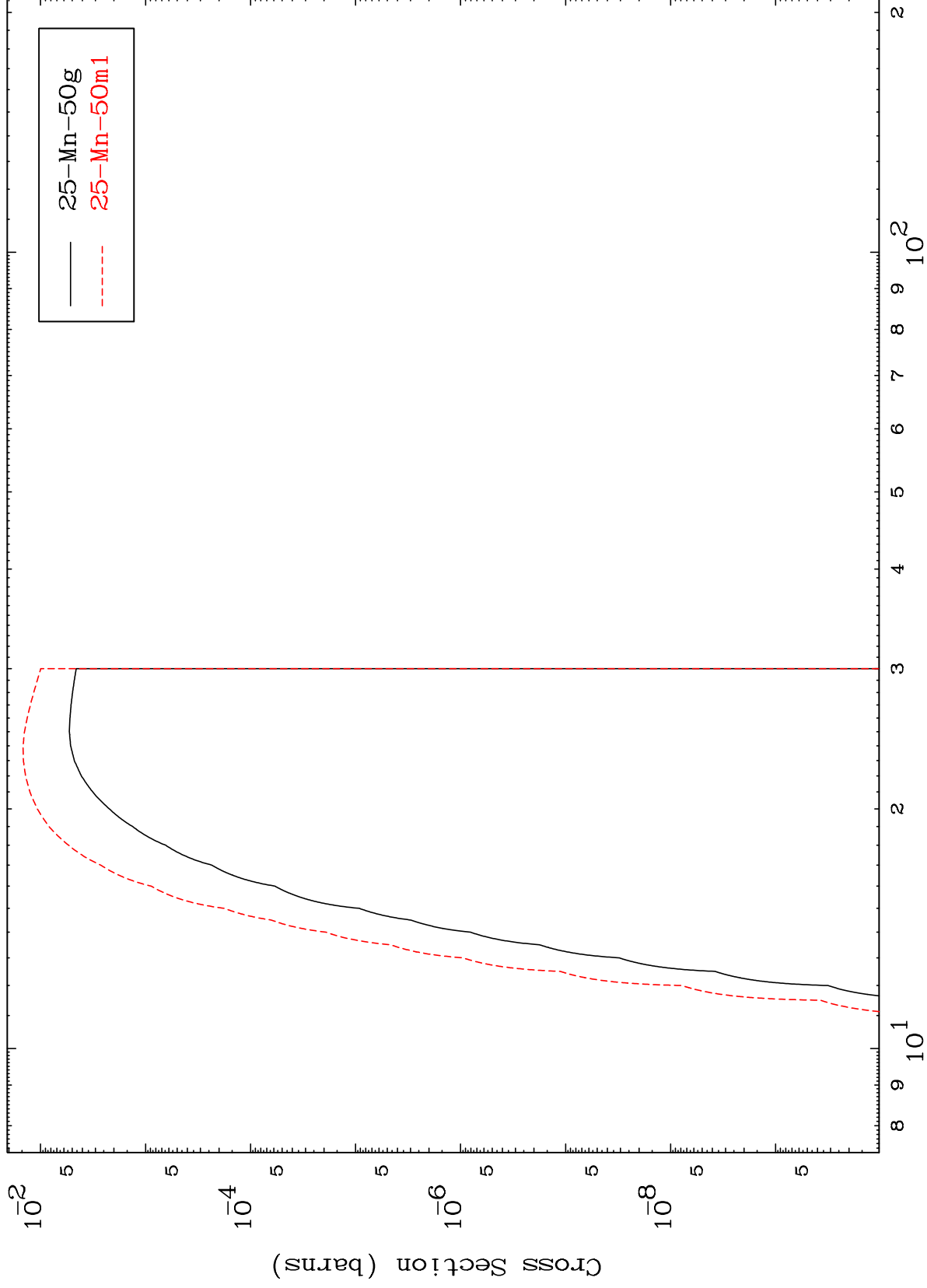
27-Co-54m

MAT 2711

$(n, n') \alpha$

27-Co-54m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

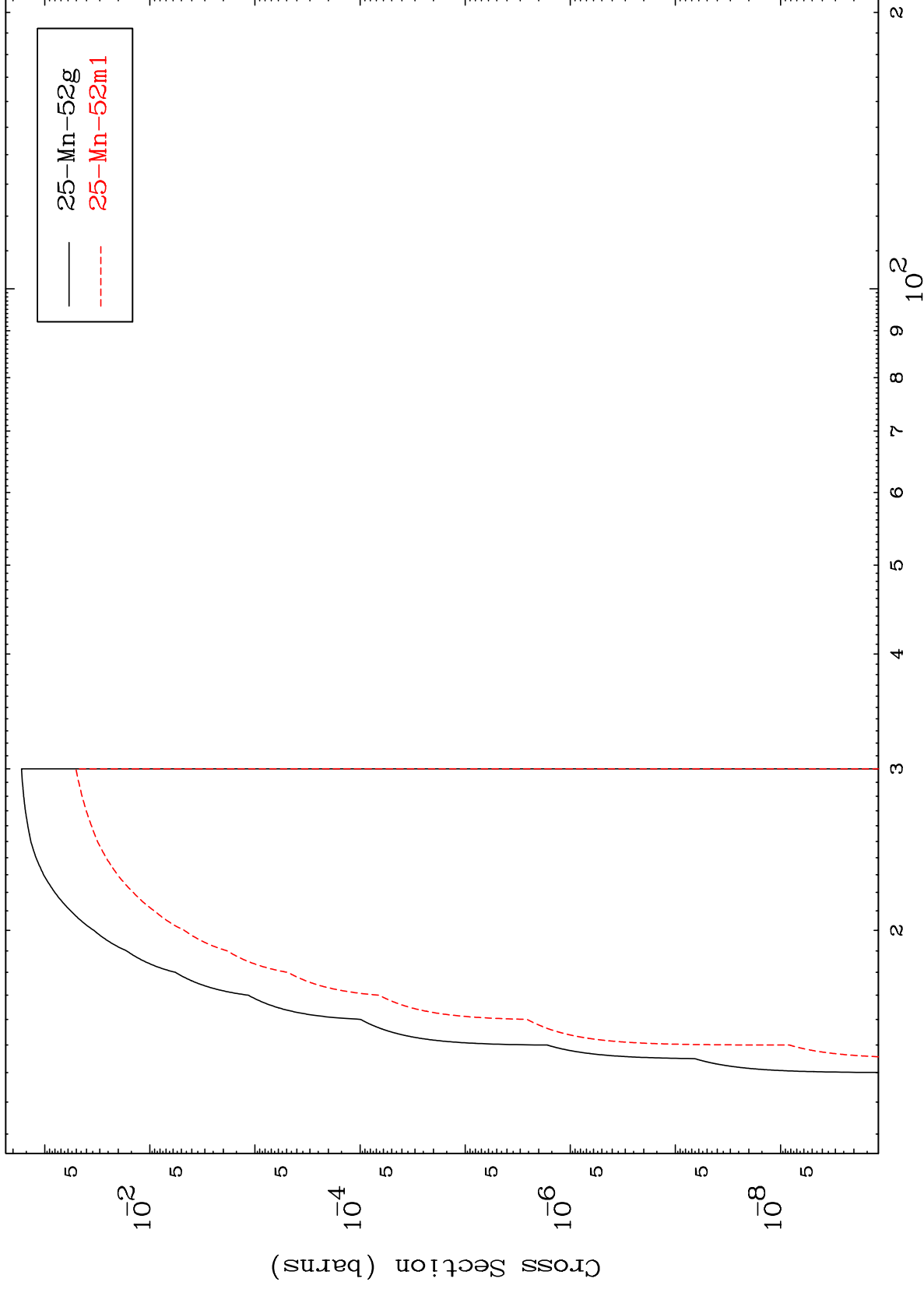
27-Co-54m

MAT 2711

(n,2n) p

27-Co-54m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

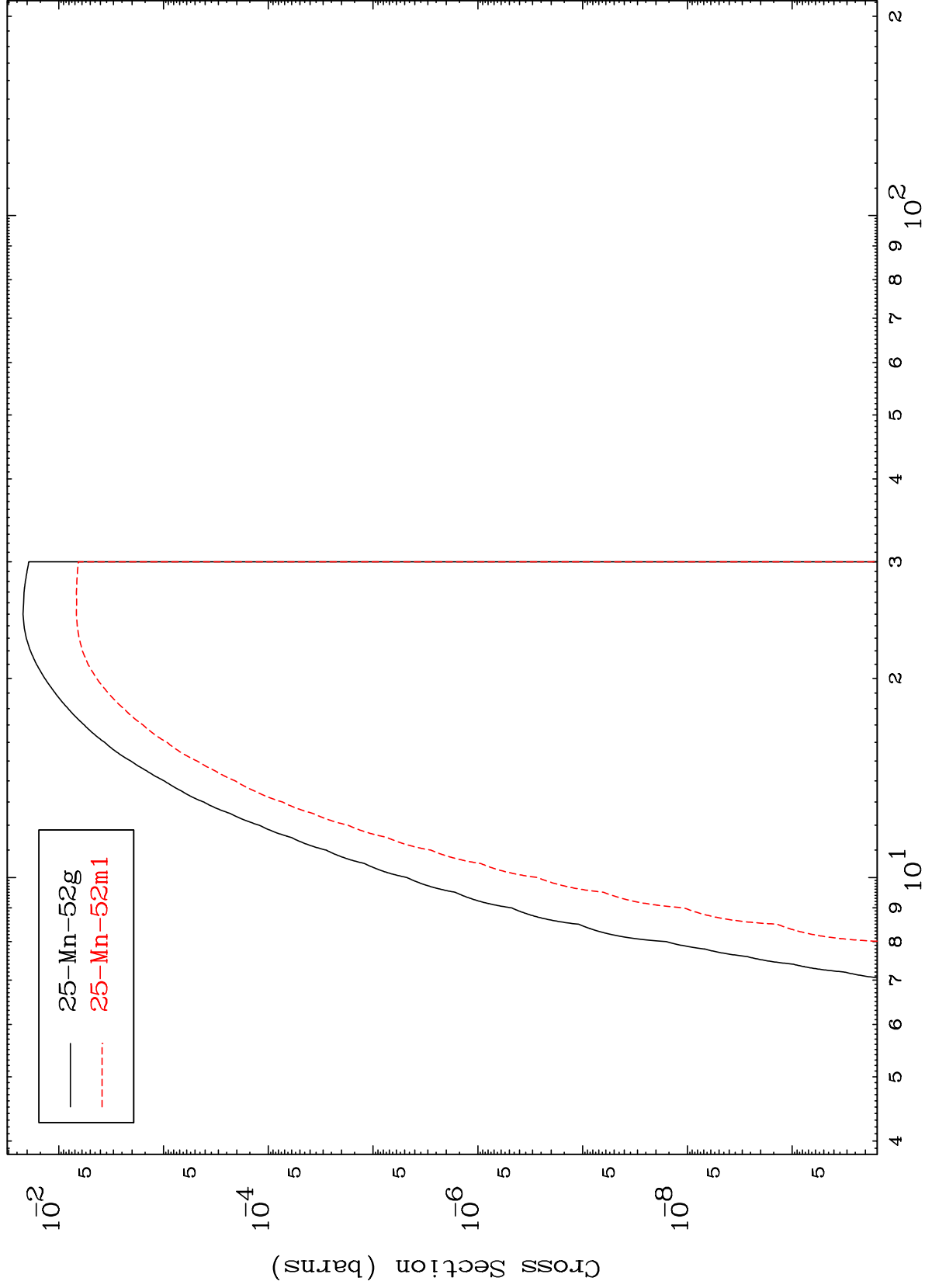
27-Co-54m

MAT 2711

(n,He-3)

27-Co-54m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

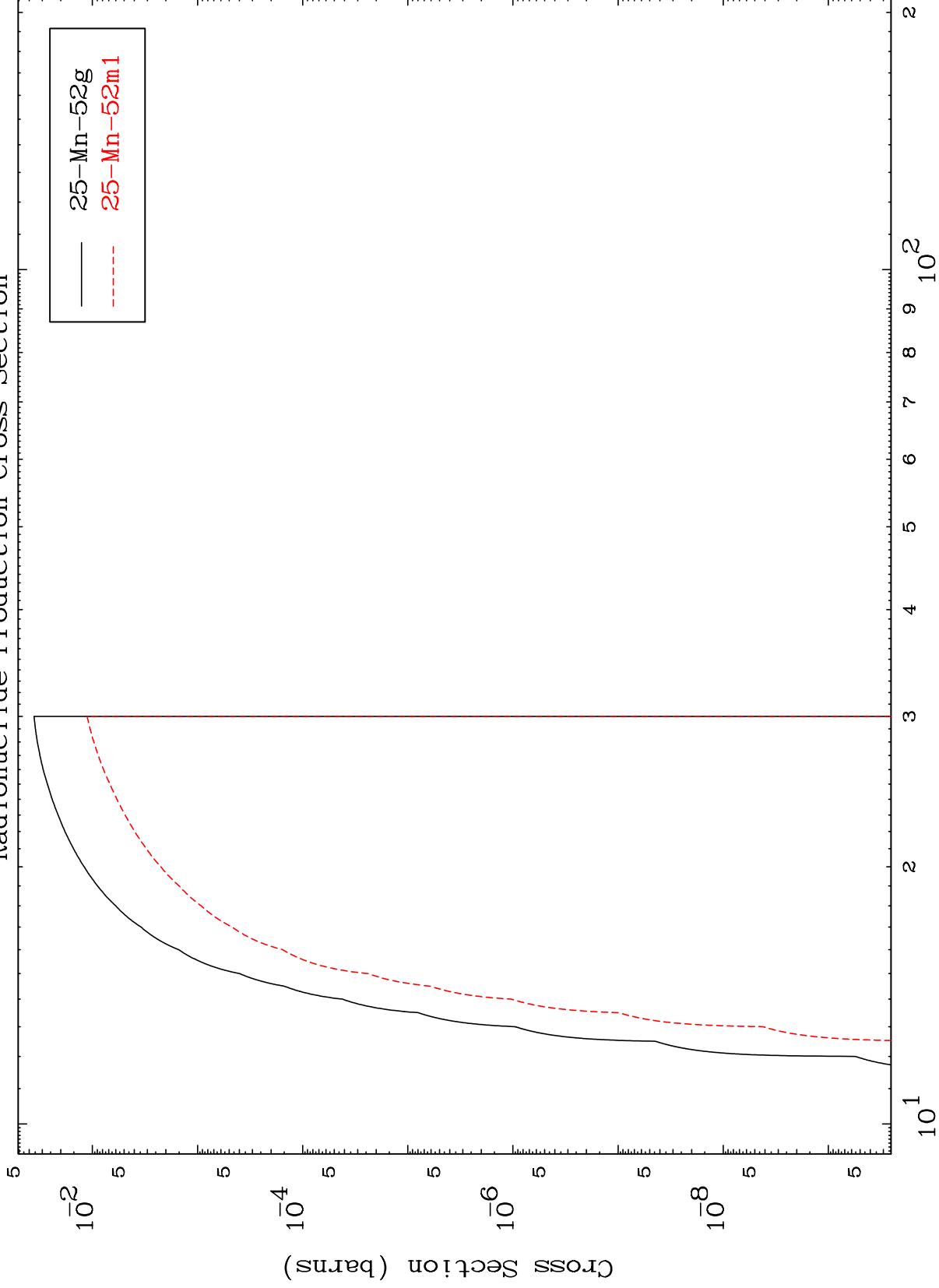
27-Co-54m

MAT 2711

(n,p) d

27-Co-54m

Radionuclide Production Cross Section



Incident Energy (MeV)

27-Co-54m

24