

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

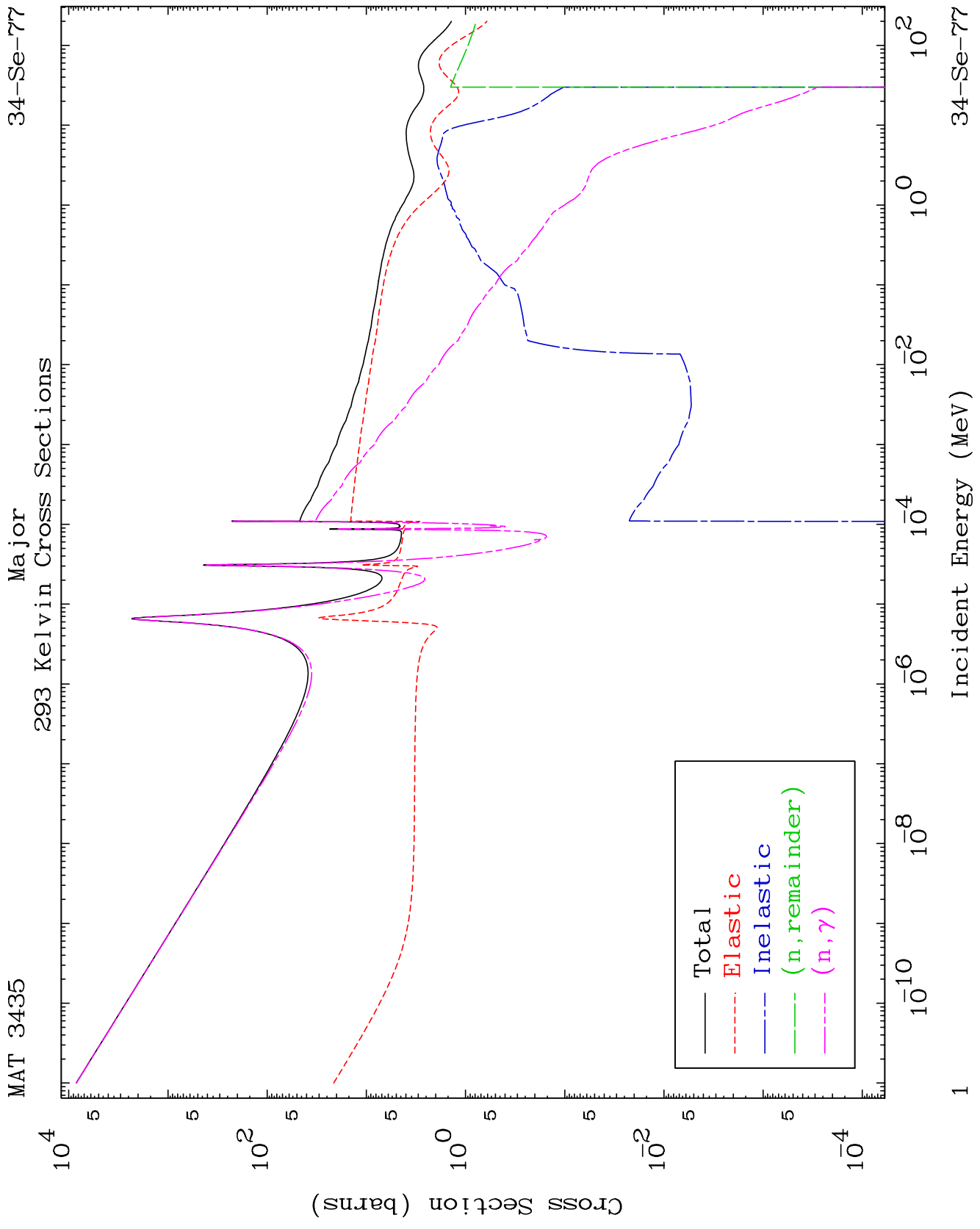
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Web:redcullen1.net/HOMEPAGE.NEW

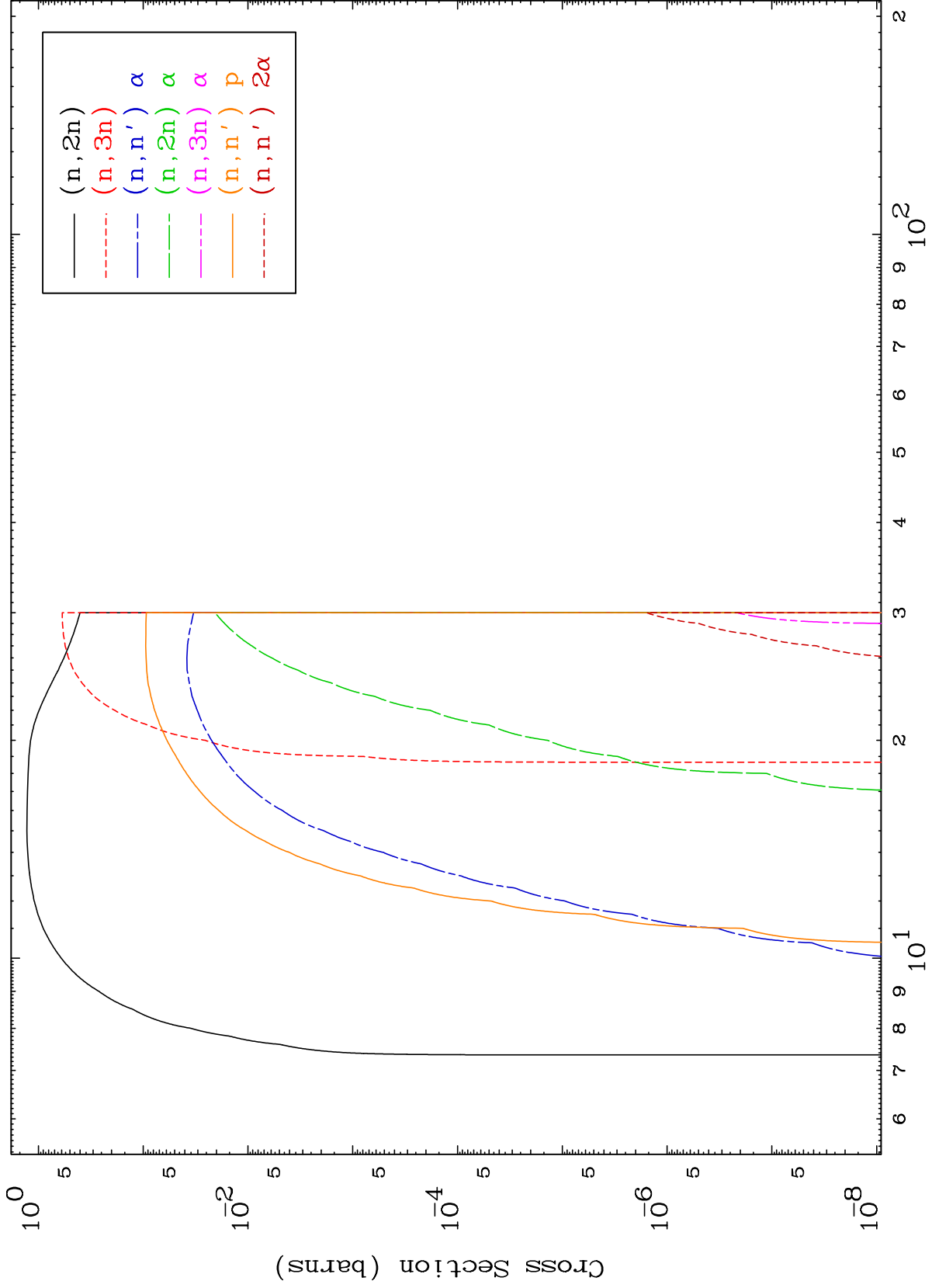
Press Mouse Button to Start



MAT 3435

Neutron Production
293 Kelvin Cross Sections

34-Se-77

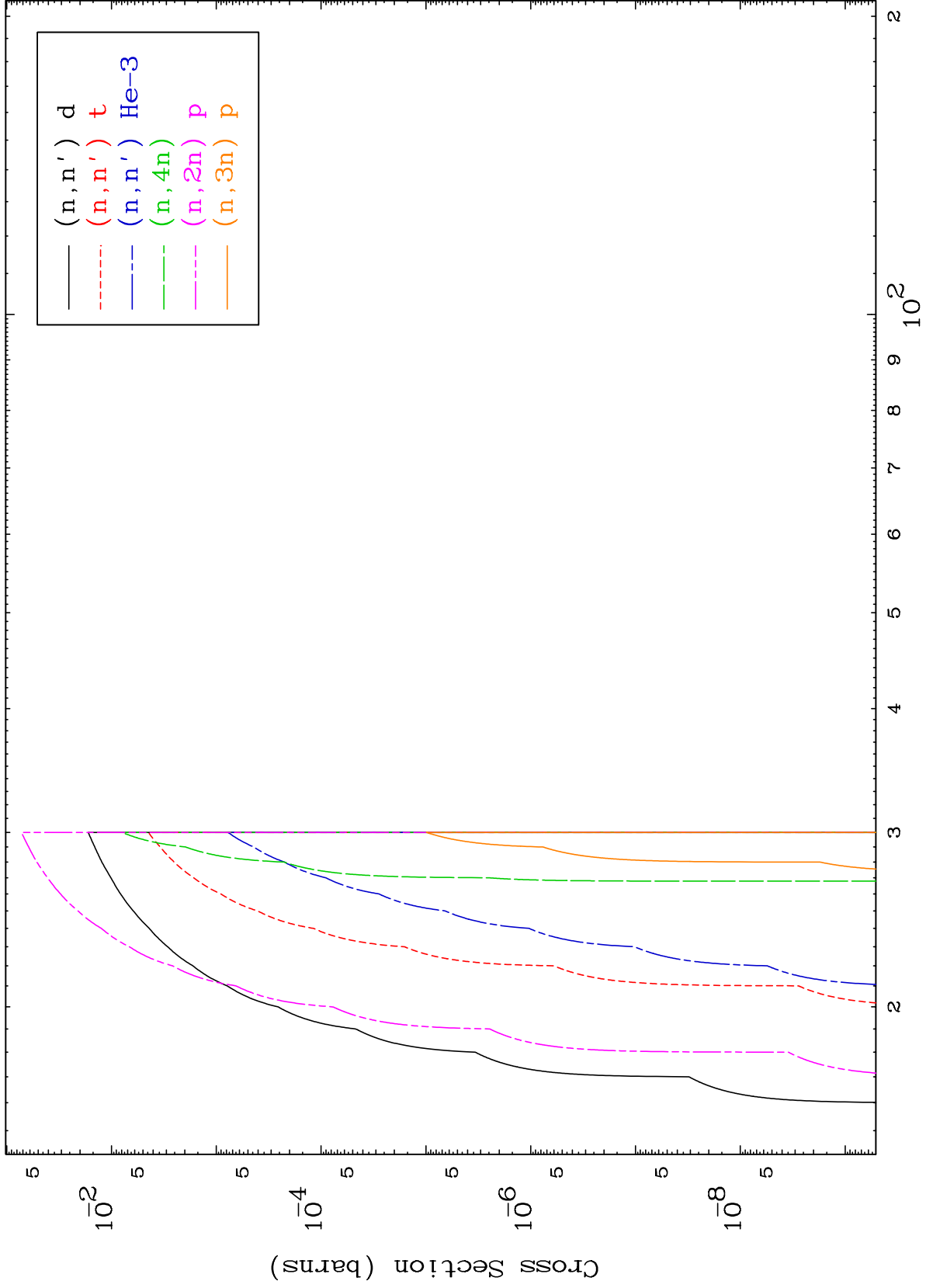


2

Incident Energy (MeV)

34-Se-77

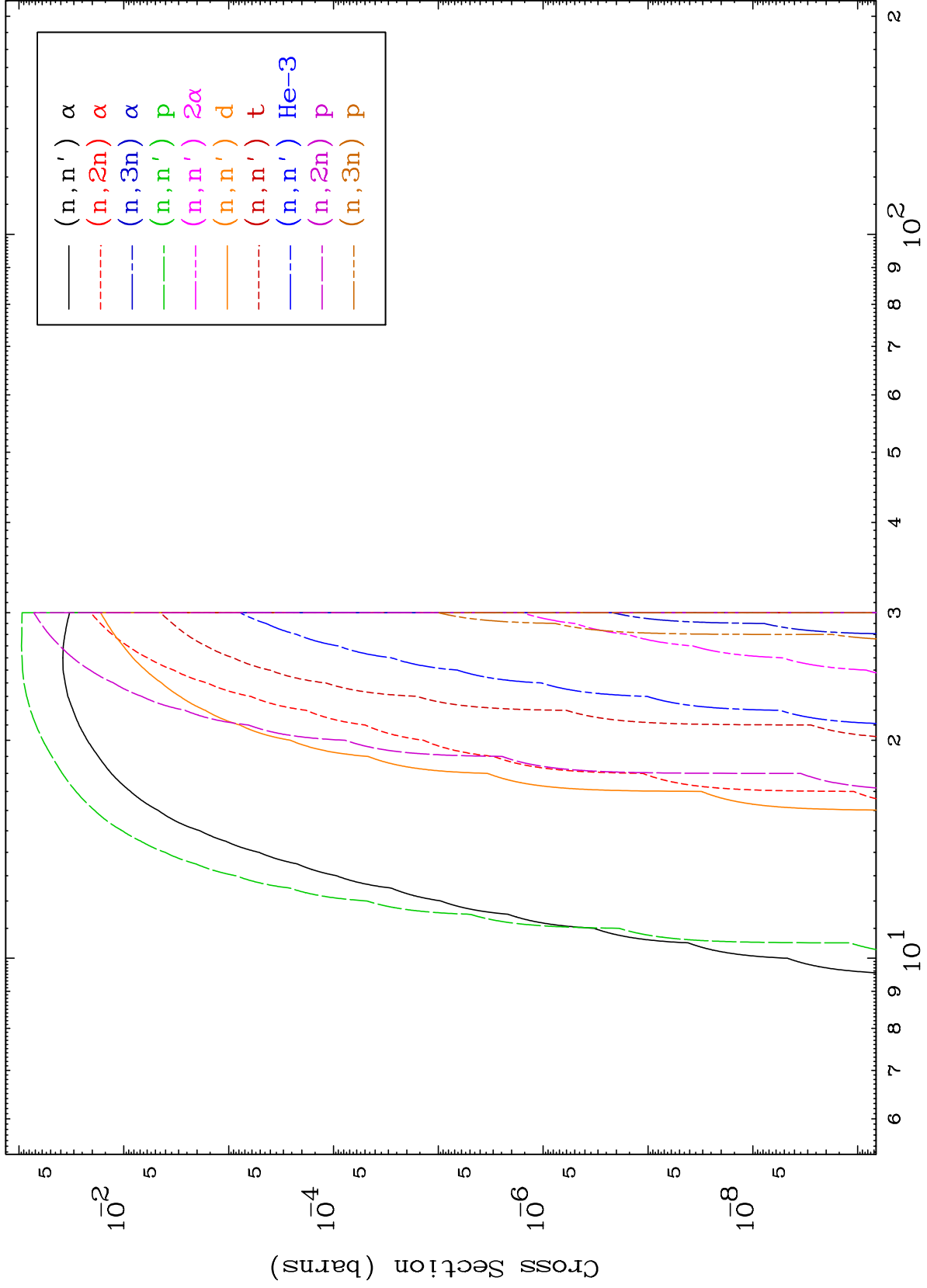
Neutron Production
293 Kelvin Cross Sections



MAT 3435

Charged Particle
293 Kelvin Cross Sections

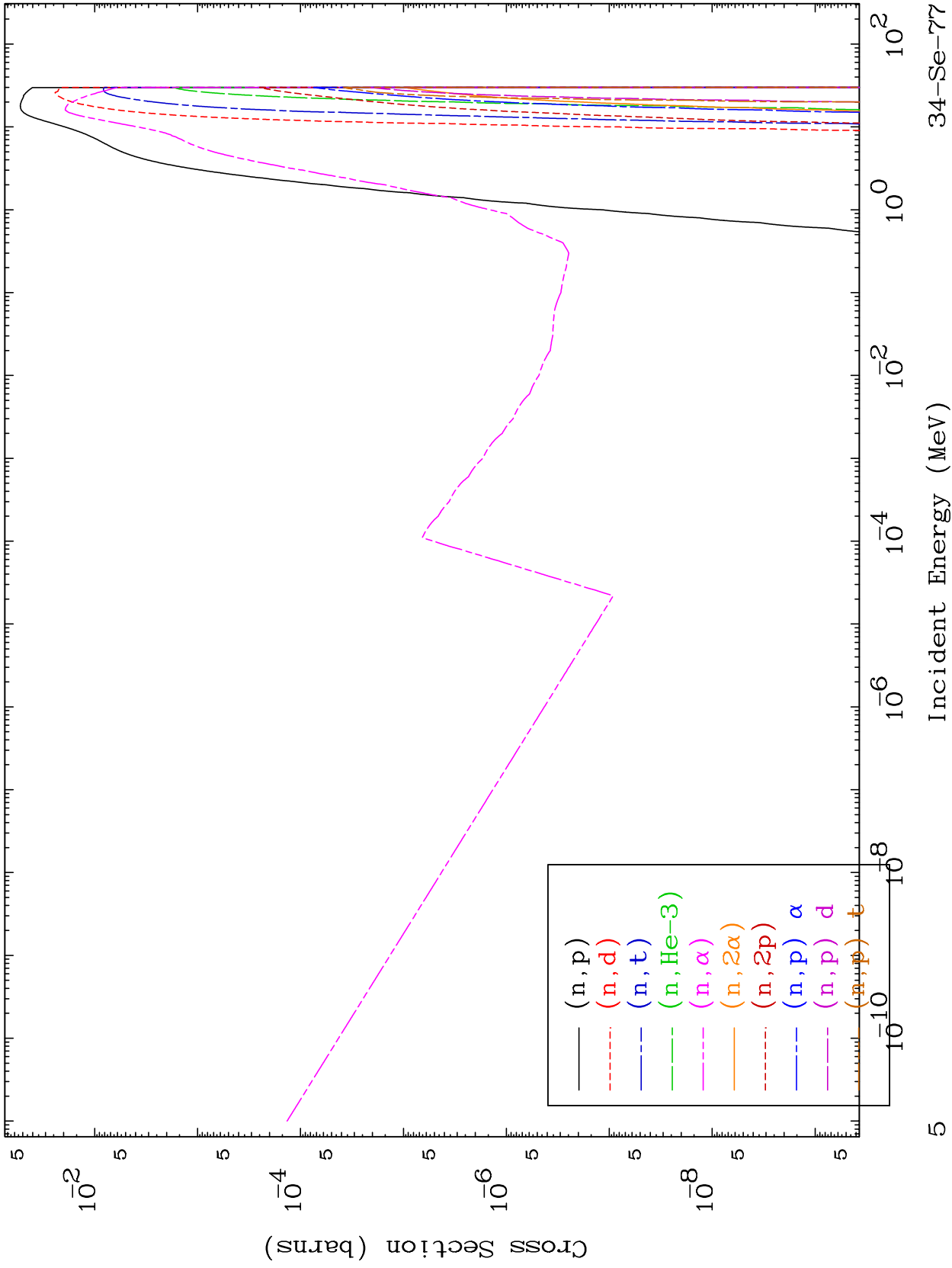
³⁴Se-77



MAT 3435

Charged Particle
293 Kelvin Cross Sections

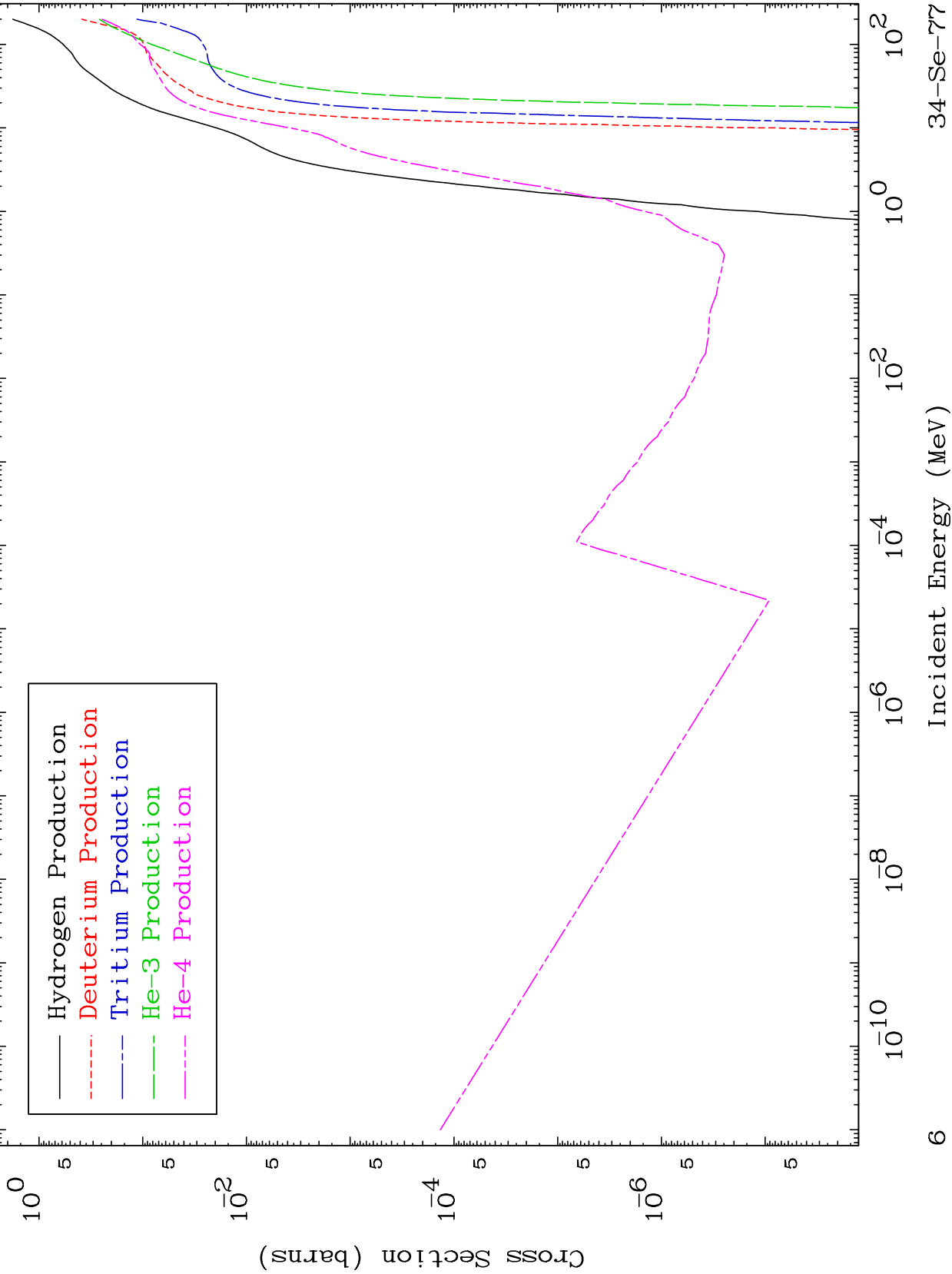
34-Se-77



MAT 3435

Particle Production
293 Kelvin Cross Sections

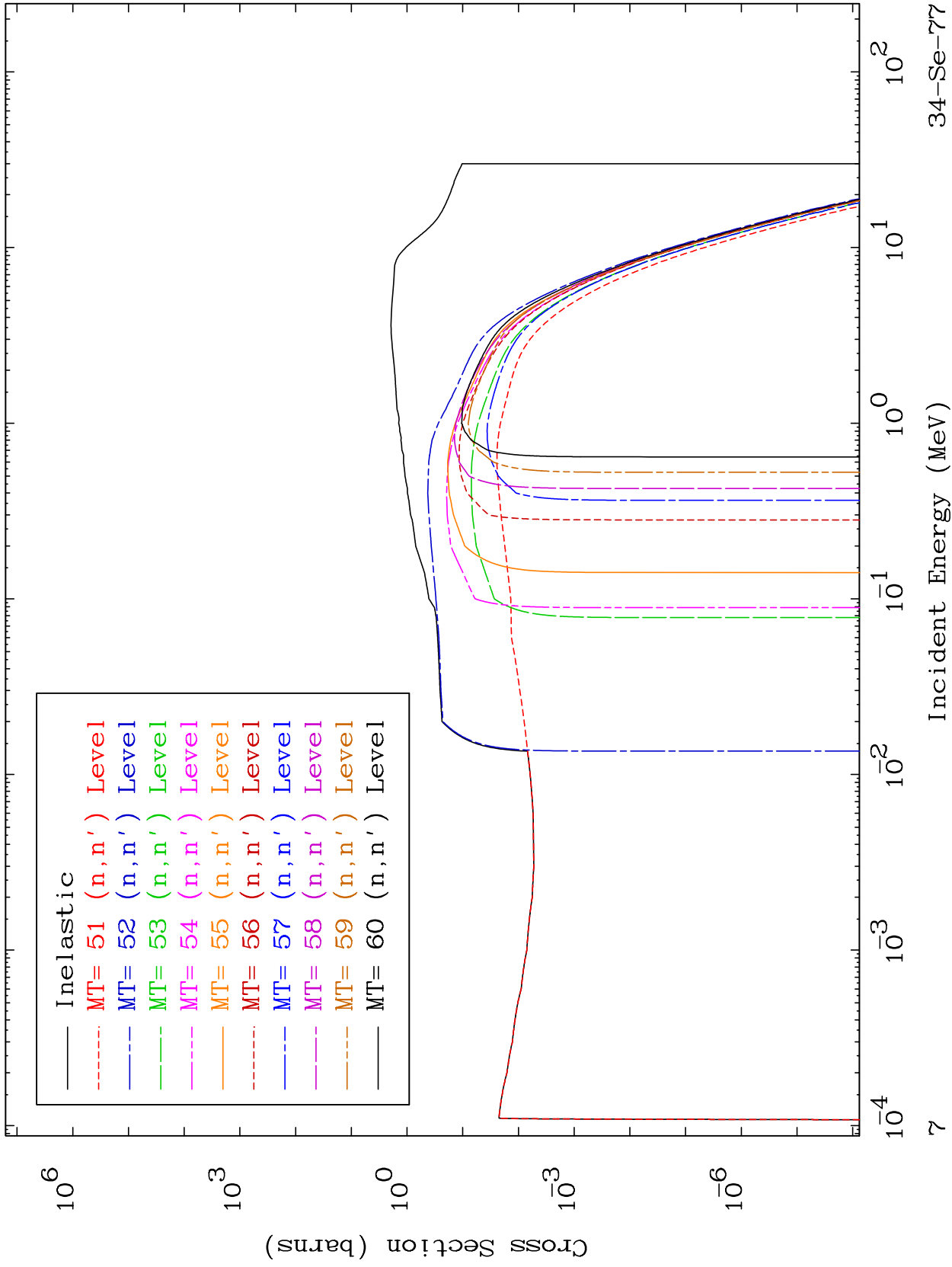
34-Se-77



MAT 3435

(n,n') Level
293 Kelvin Cross Sections

34-Se-77

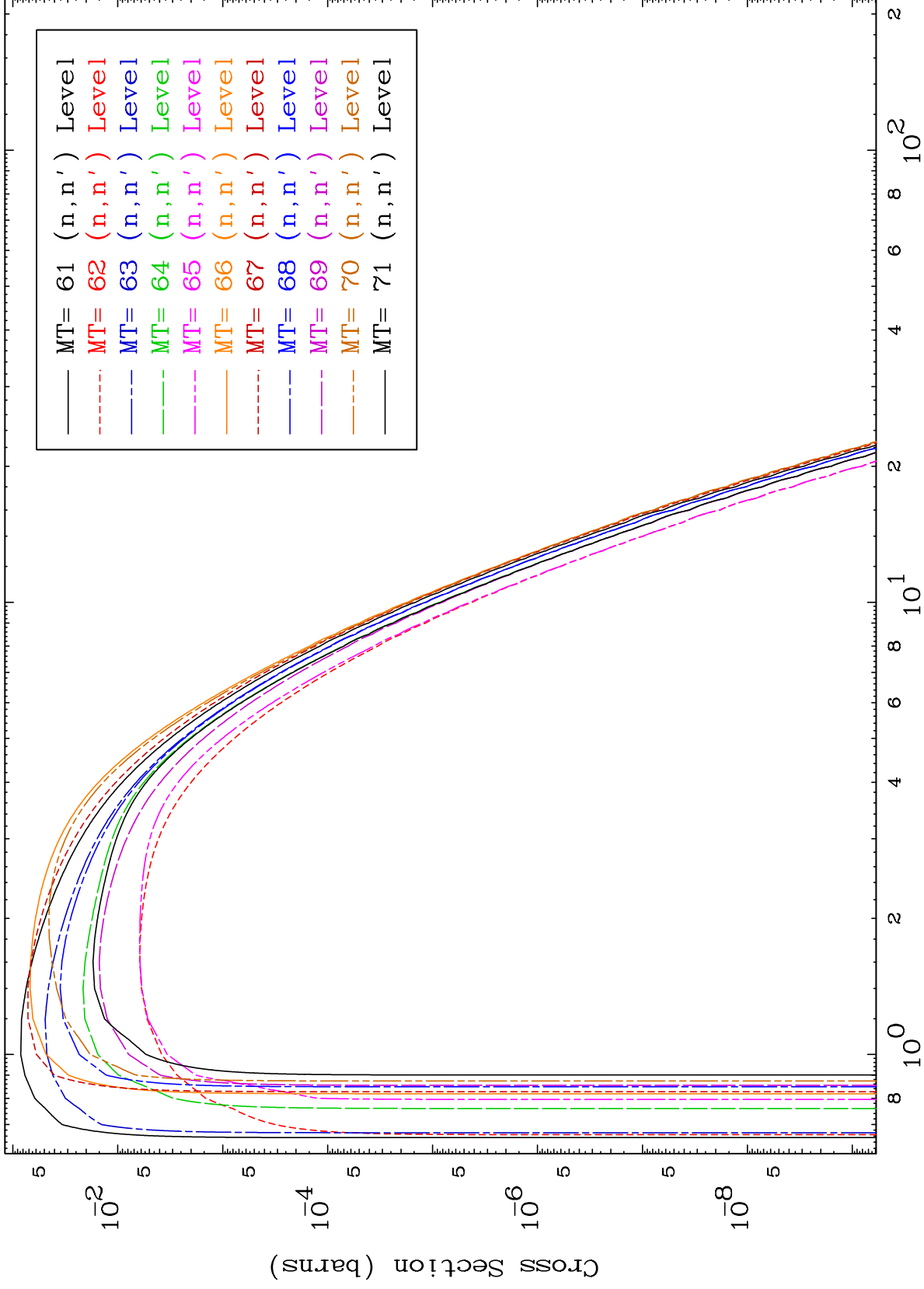


MAT 3435

(n,n') Level

34-Se-77

293 Kelvin Cross Sections



8

Incident Energy (MeV)

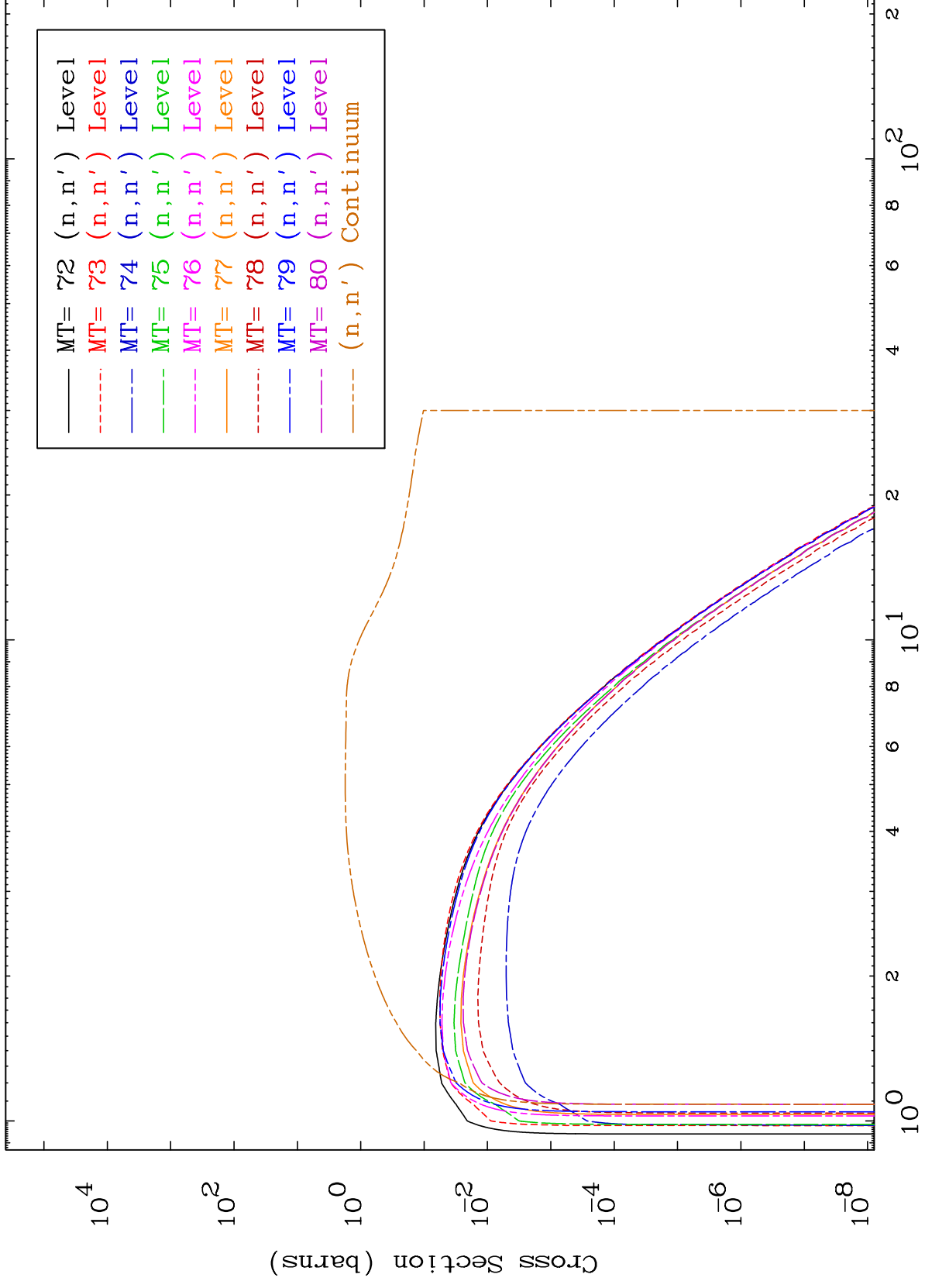
34-Se-77

MAT 3435

(n,n') Level

34-Se-77

293 Kelvin Cross Sections



Incident Energy (MeV)

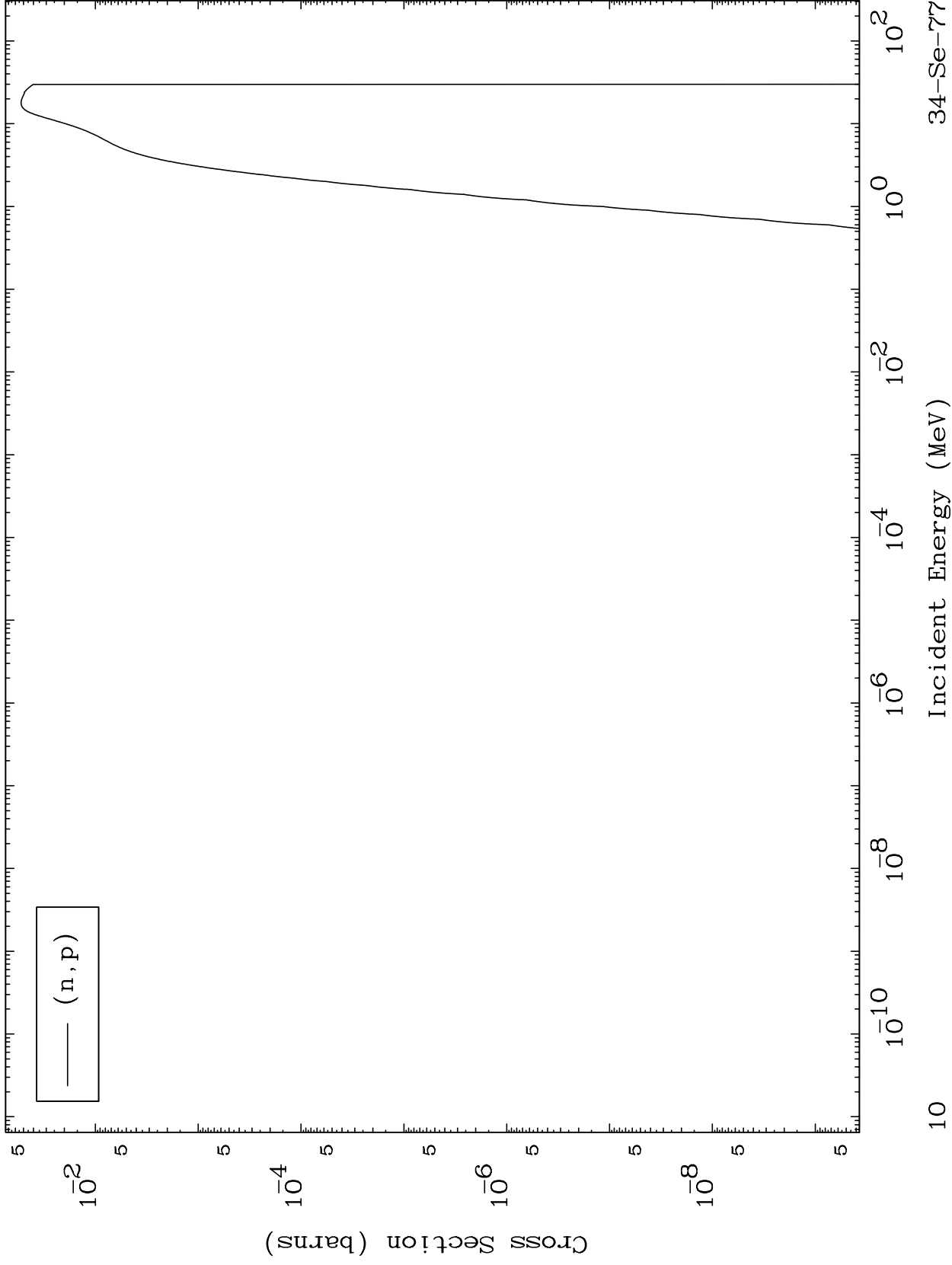
34-Se-77

9

MAT 3435

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-77



10

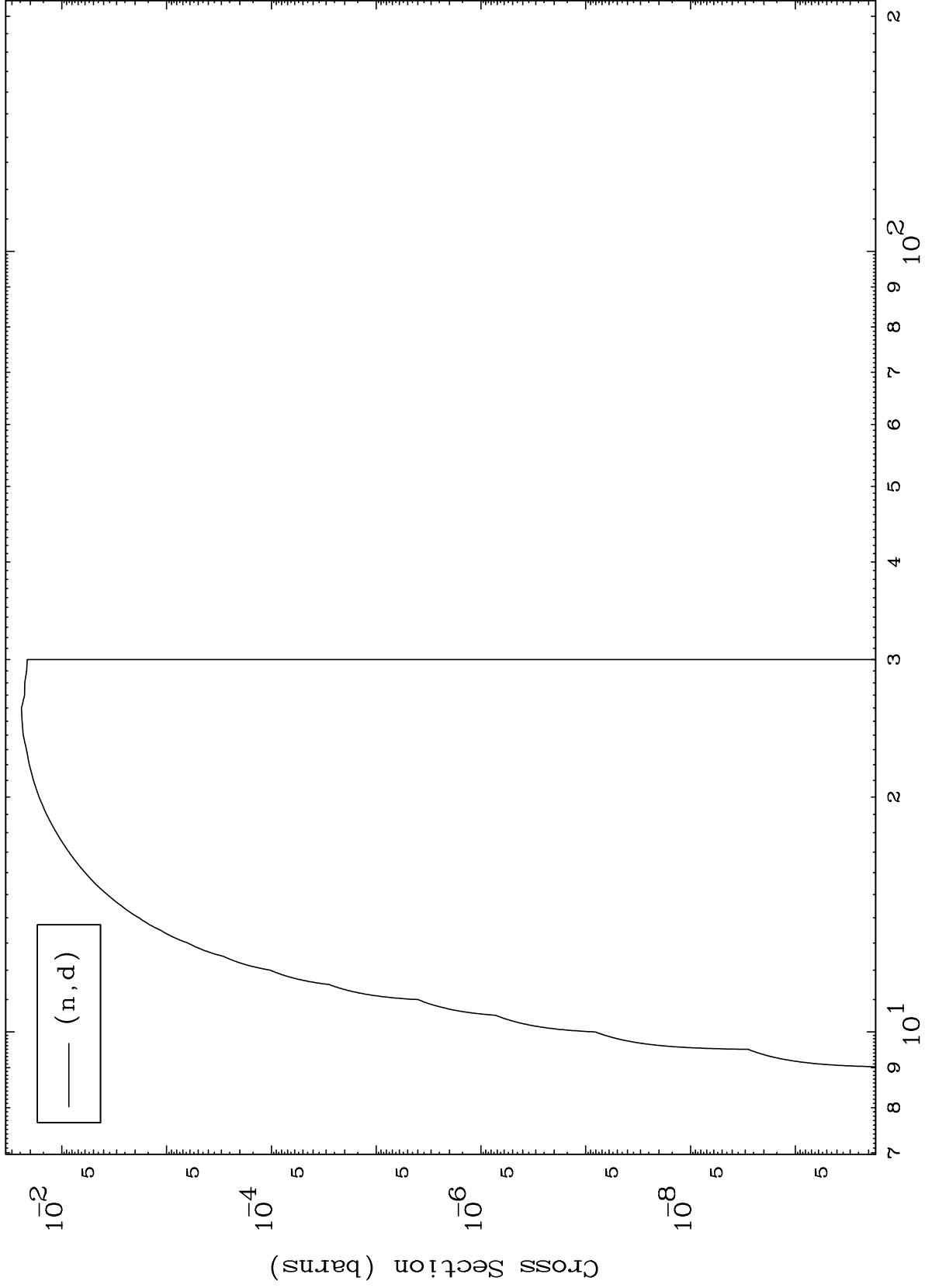
Incident Energy (MeV)

³⁴Se-77

MAT 3435

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-77



11

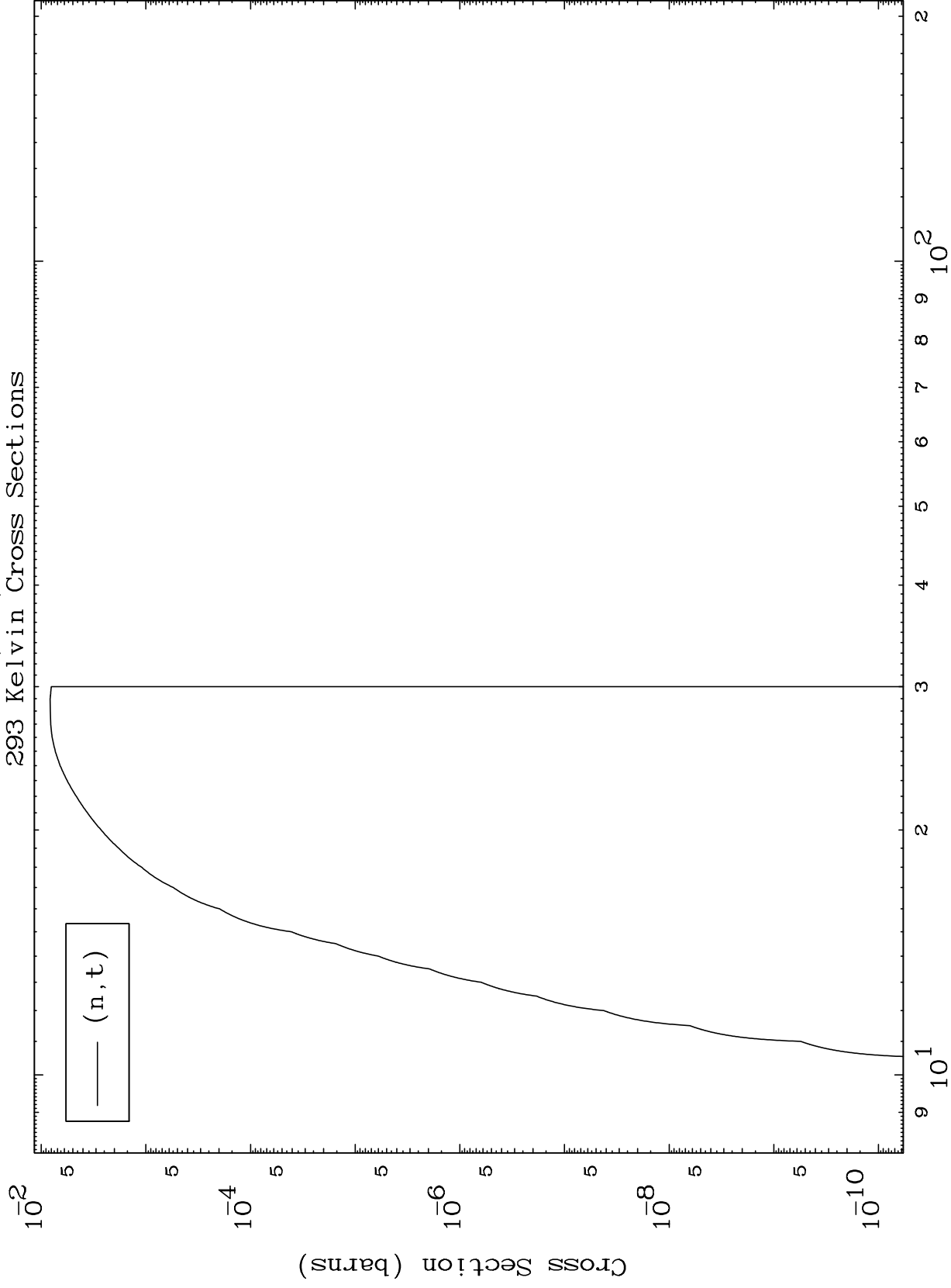
Incident Energy (MeV)

³⁴Se-77

MAT 3435

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-77



12

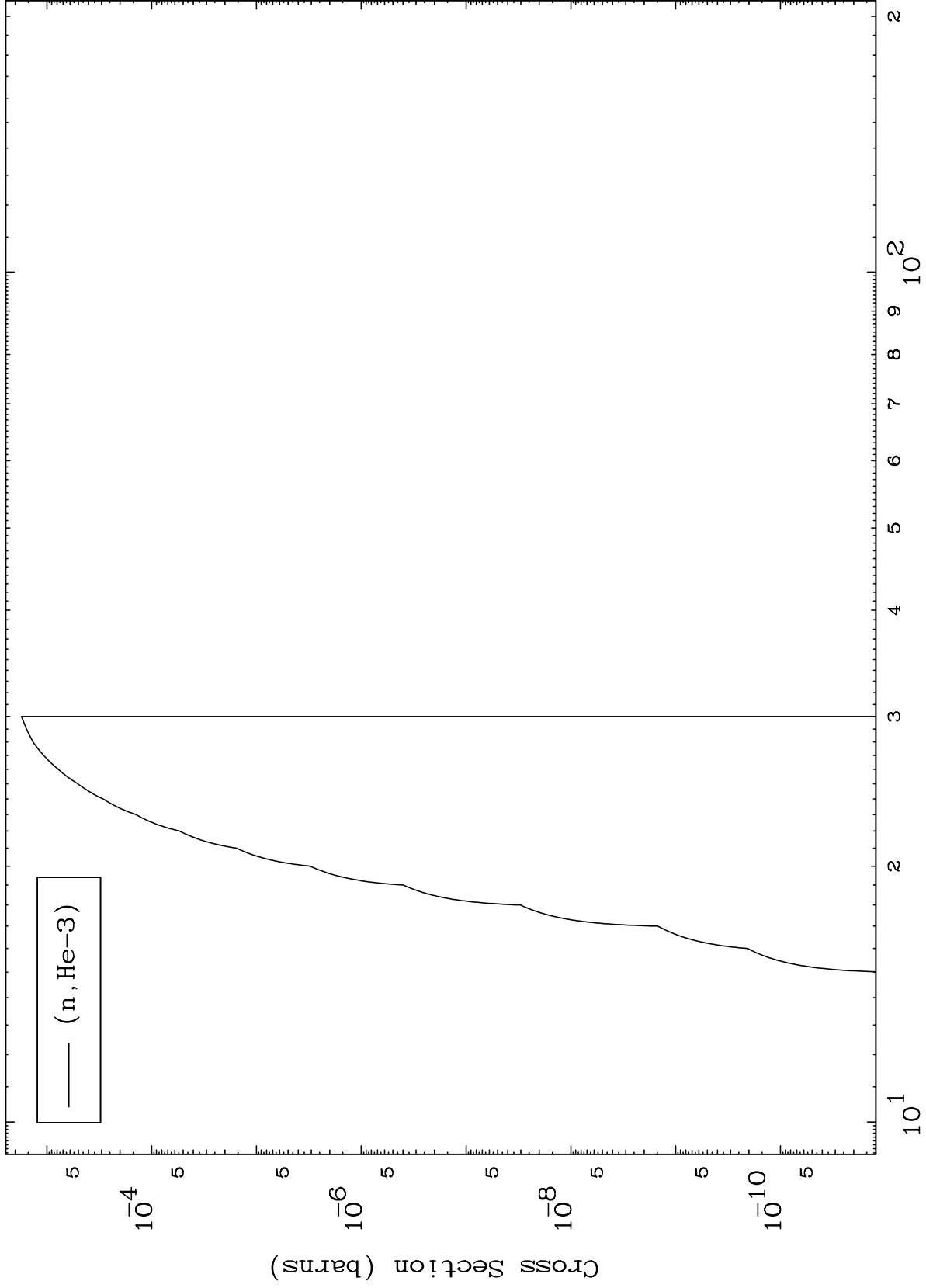
Incident Energy (MeV)

³⁴Se-77

MAT 3435

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-77



13

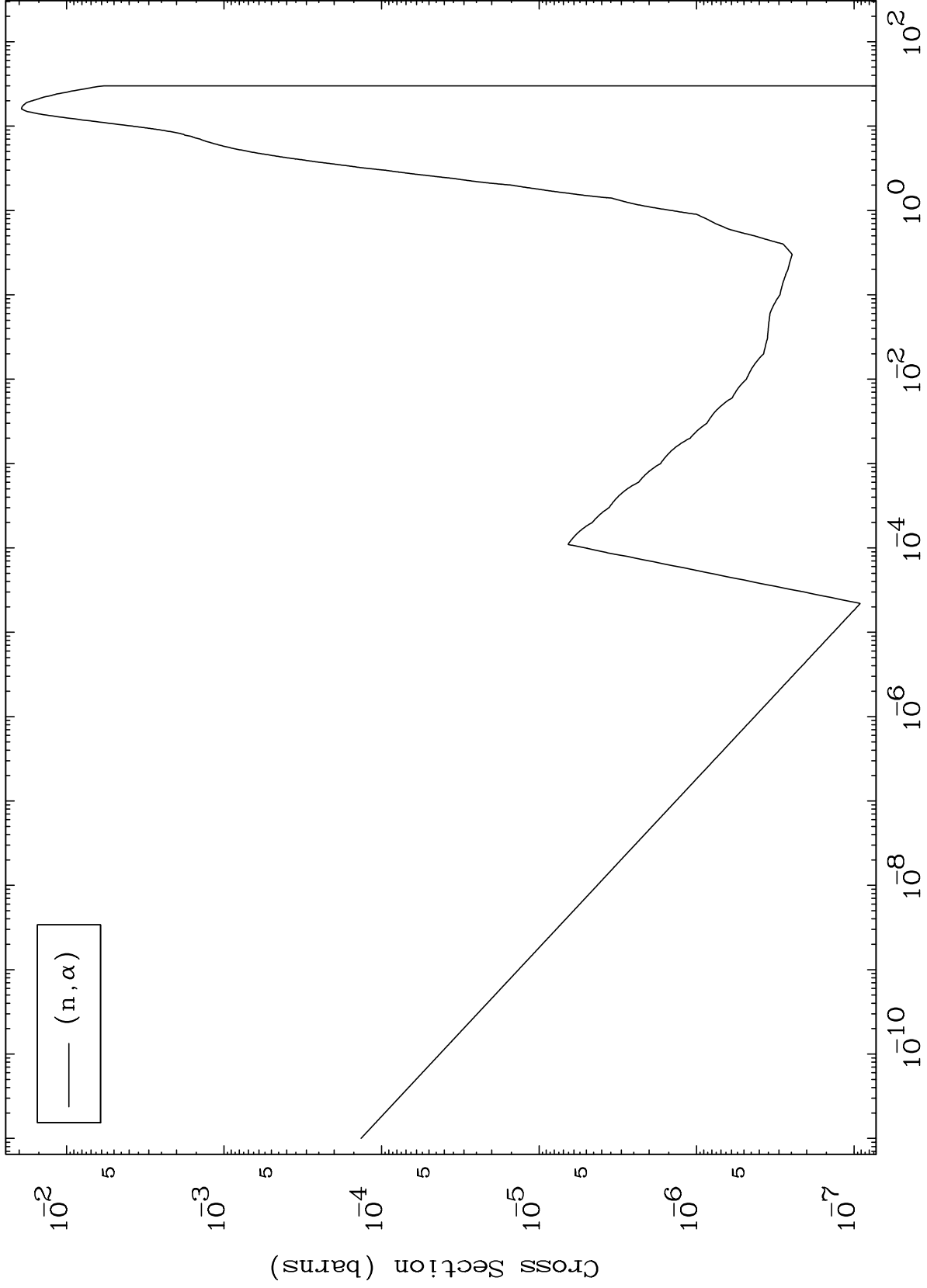
Incident Energy (MeV)

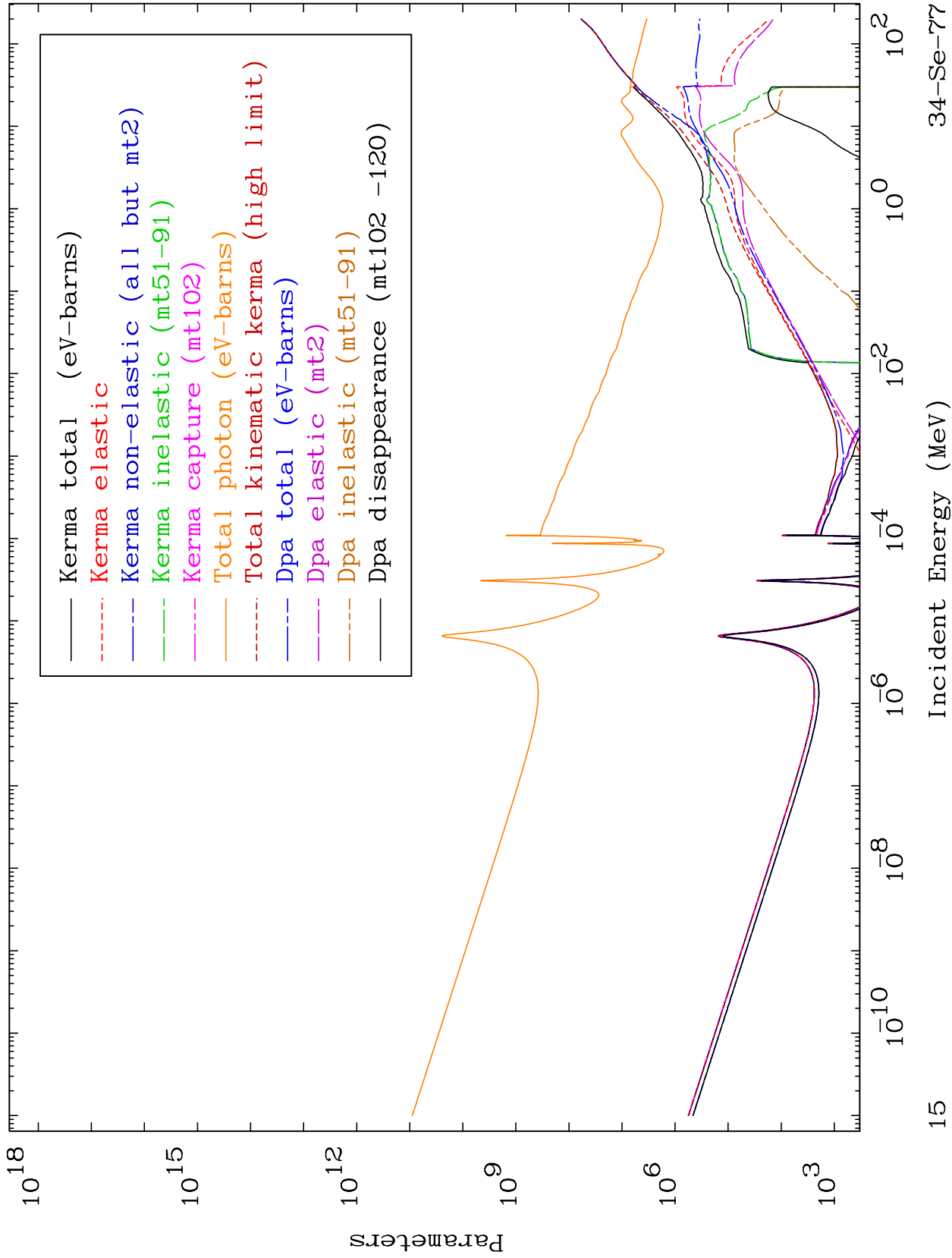
34-Se-77

MAT 3435

(n, α) Levels
293 Kelvin Cross Sections

34-Se-77

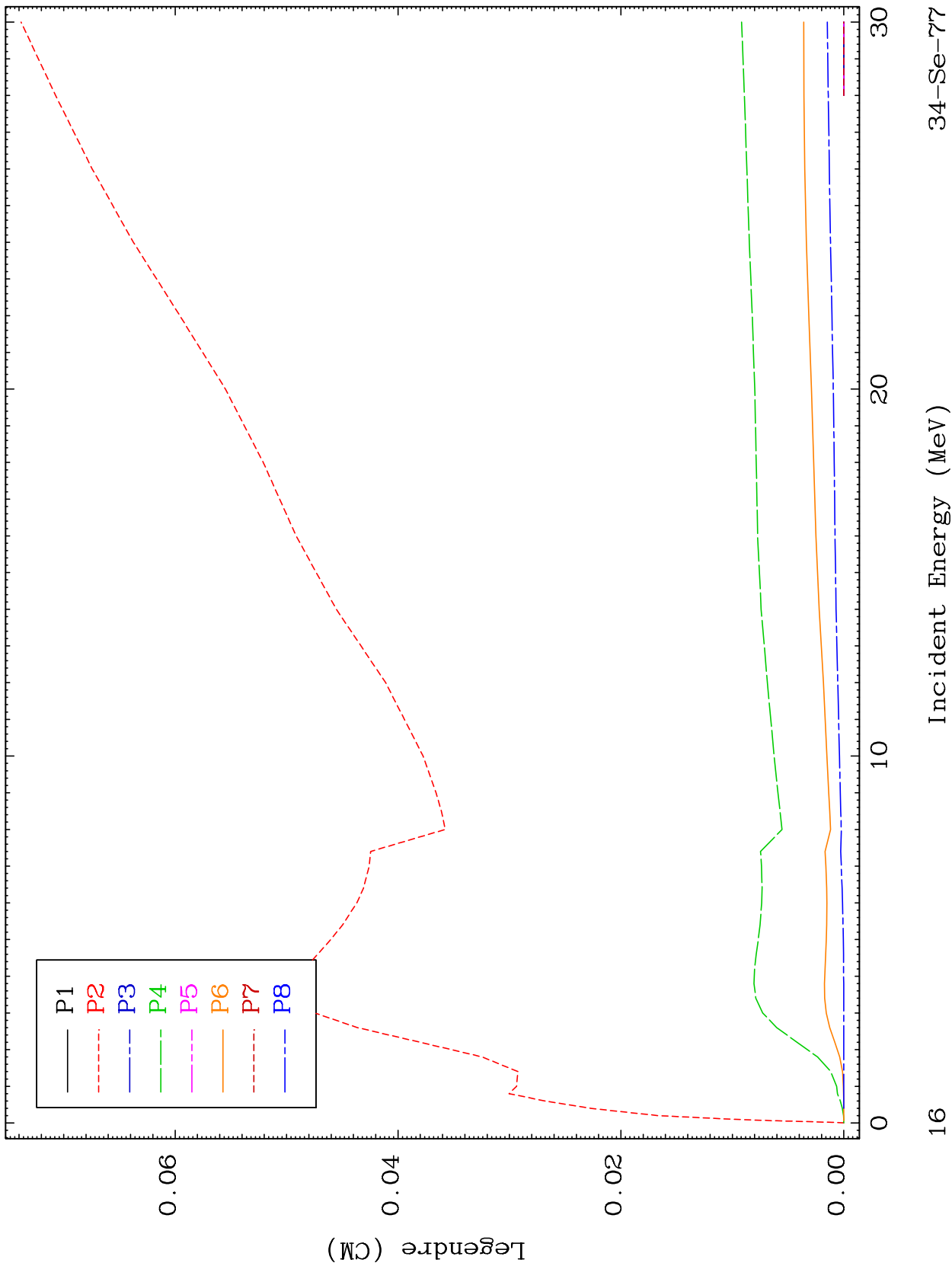




MAT 3435

Elastic
Legendre Coefficients

³⁴Se-77



16

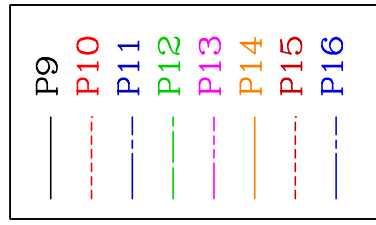
Incident Energy (MeV)

³⁴Se-77

MAT 3435

Elastic Legendre Coefficients

³⁴Se-77



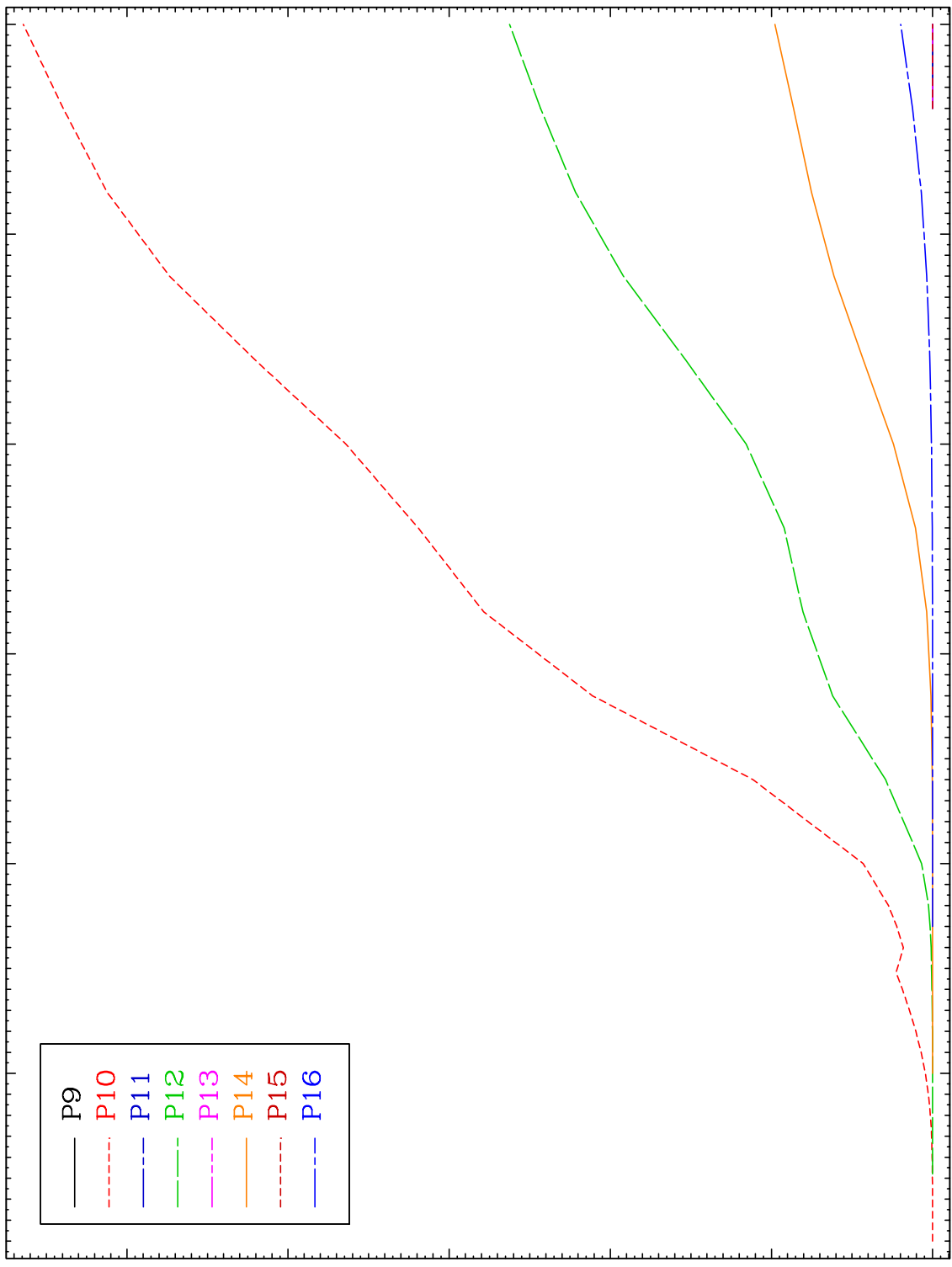
$\times 10^{-4}$

Legendre (CM)

17

Incident Energy (MeV)

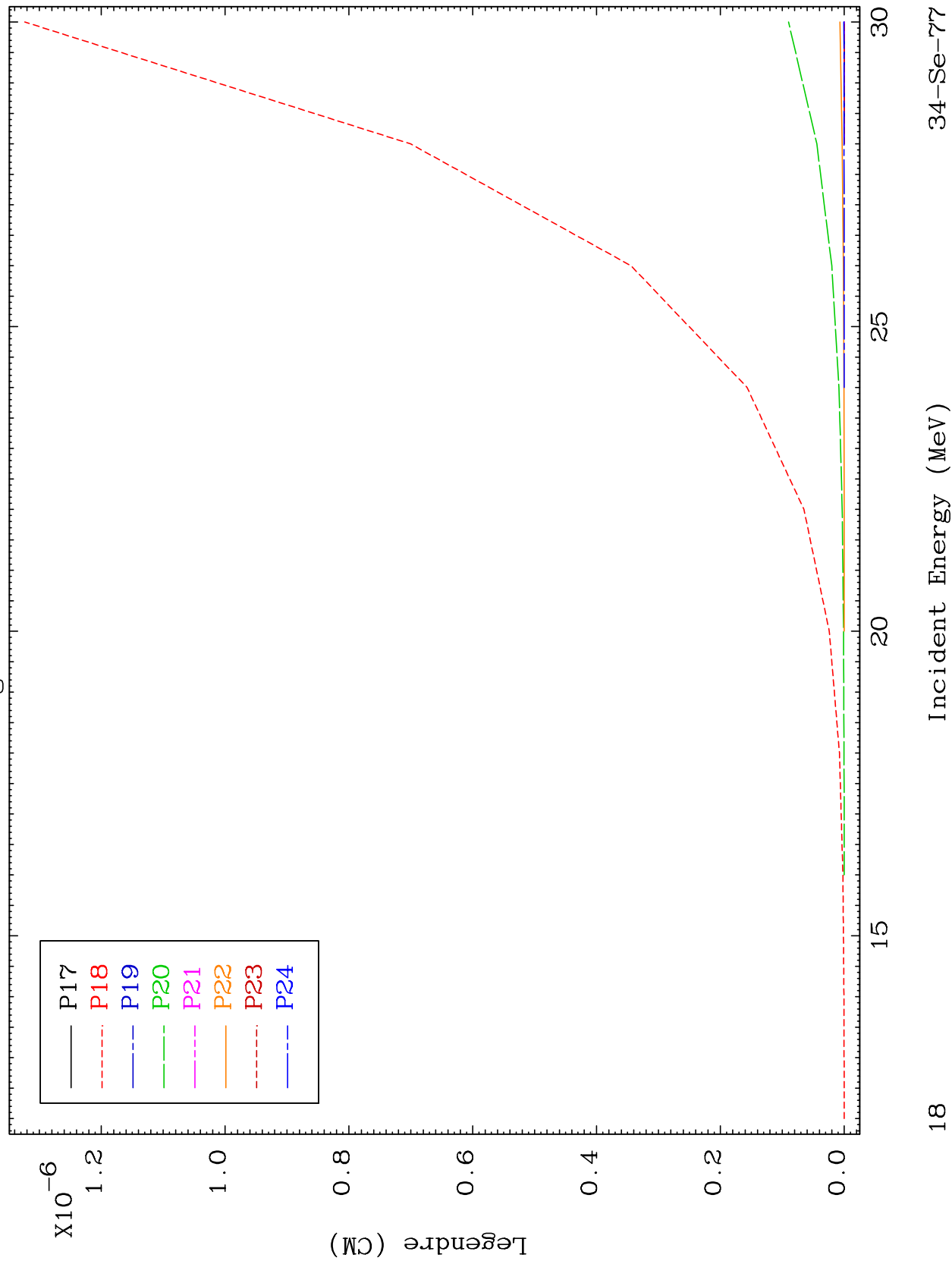
³⁴Se-77



MAT 3435

Elastic Legendre Coefficients

³⁴Se-77



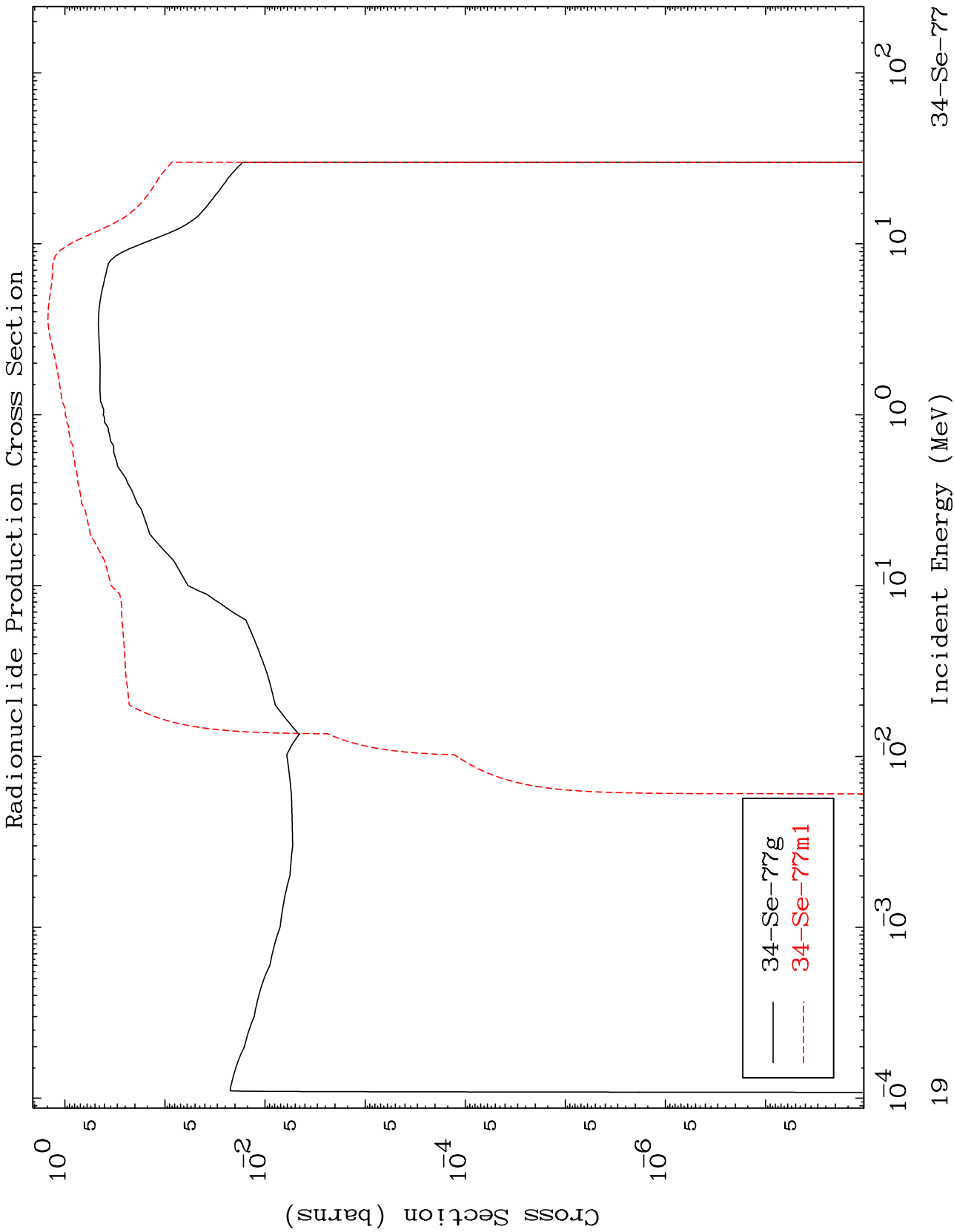
18

Incident Energy (MeV)

³⁴Se-77

MAT 3435

³⁴Se-77

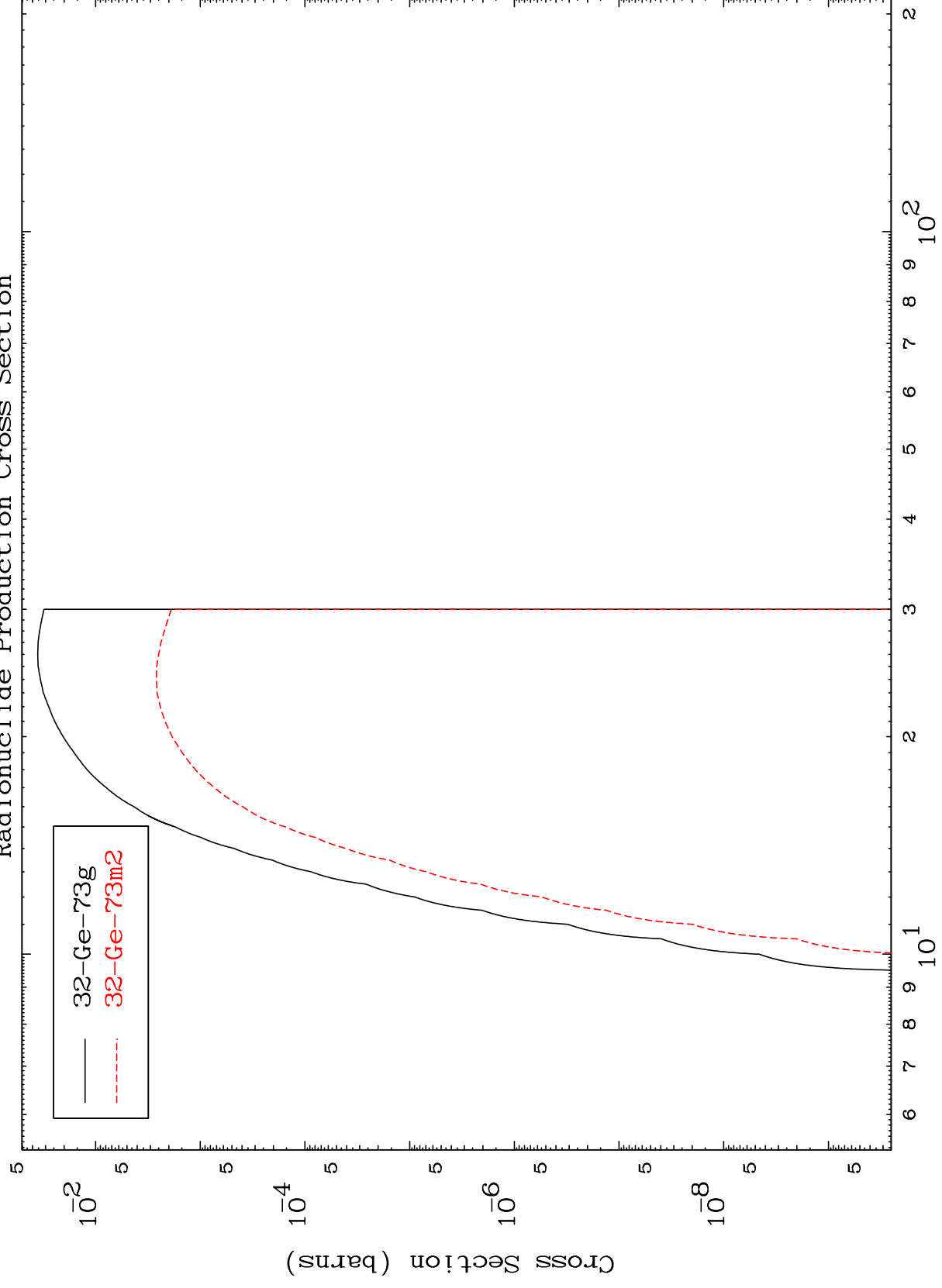


MAT 3435

$(n, n') \alpha$

34-^{Se}-77

Radionuclide Production Cross Section



20

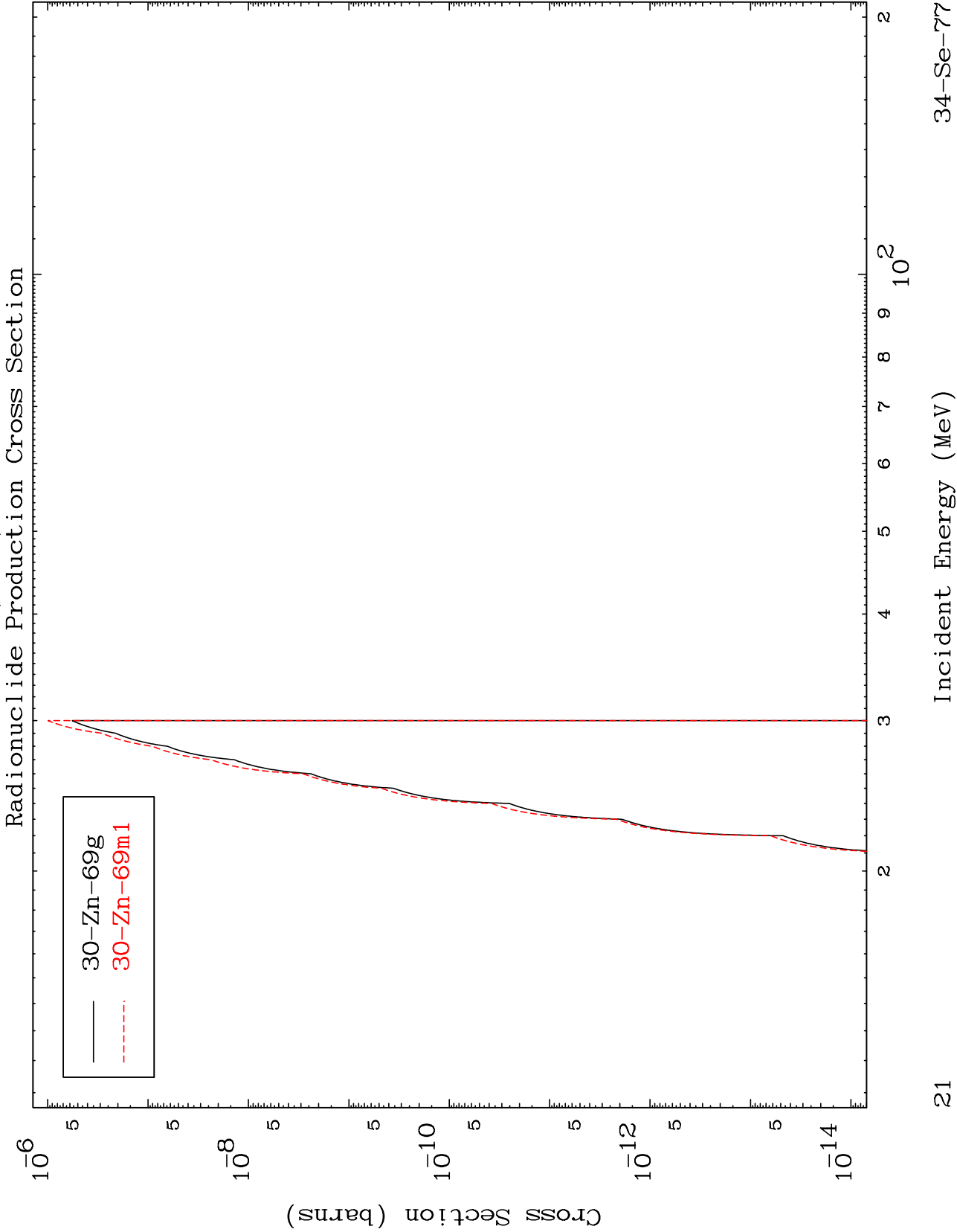
Incident Energy (MeV)

34-^{Se}-77

MAT 3435

(n,n') 2 α

34-Se-77

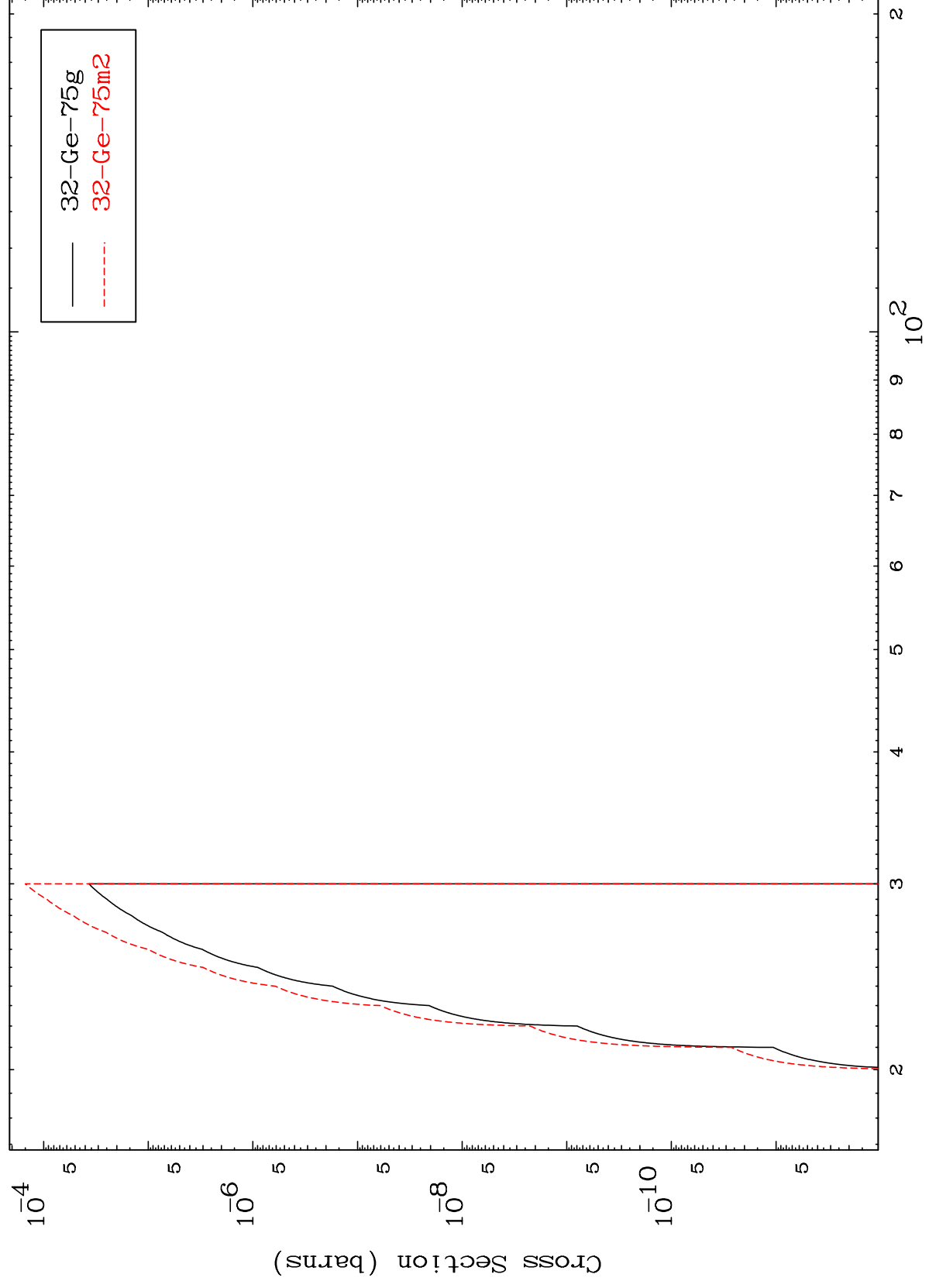


MAT 3435

(n,2n) p

34-⁷⁷Se

Radionuclide Production Cross Section



22

Incident Energy (MeV)

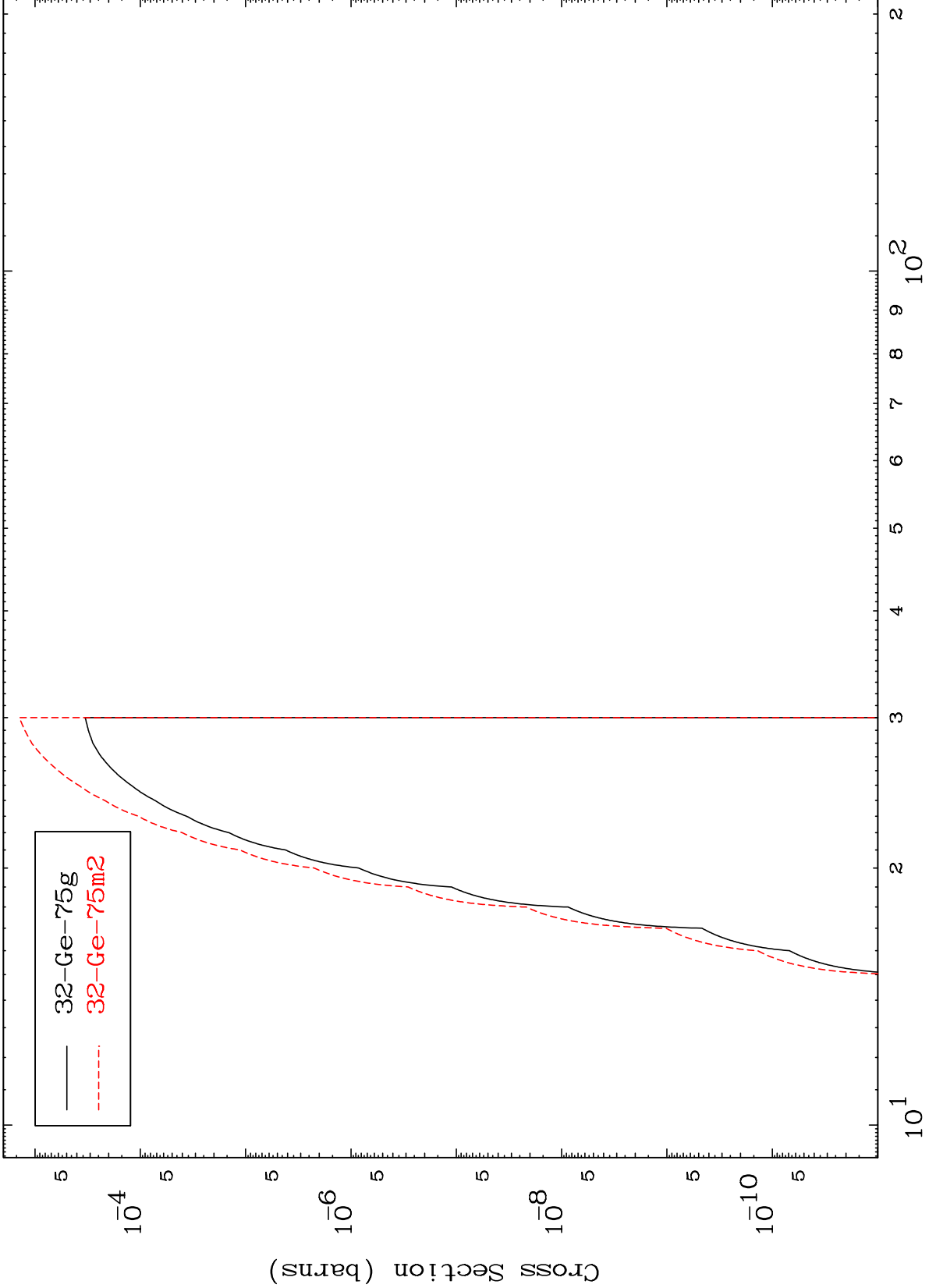
34-⁷⁷Se

MAT 3435

(n,He-3)

34-Se-77

Radionuclide Production Cross Section



23

Incident Energy (MeV)

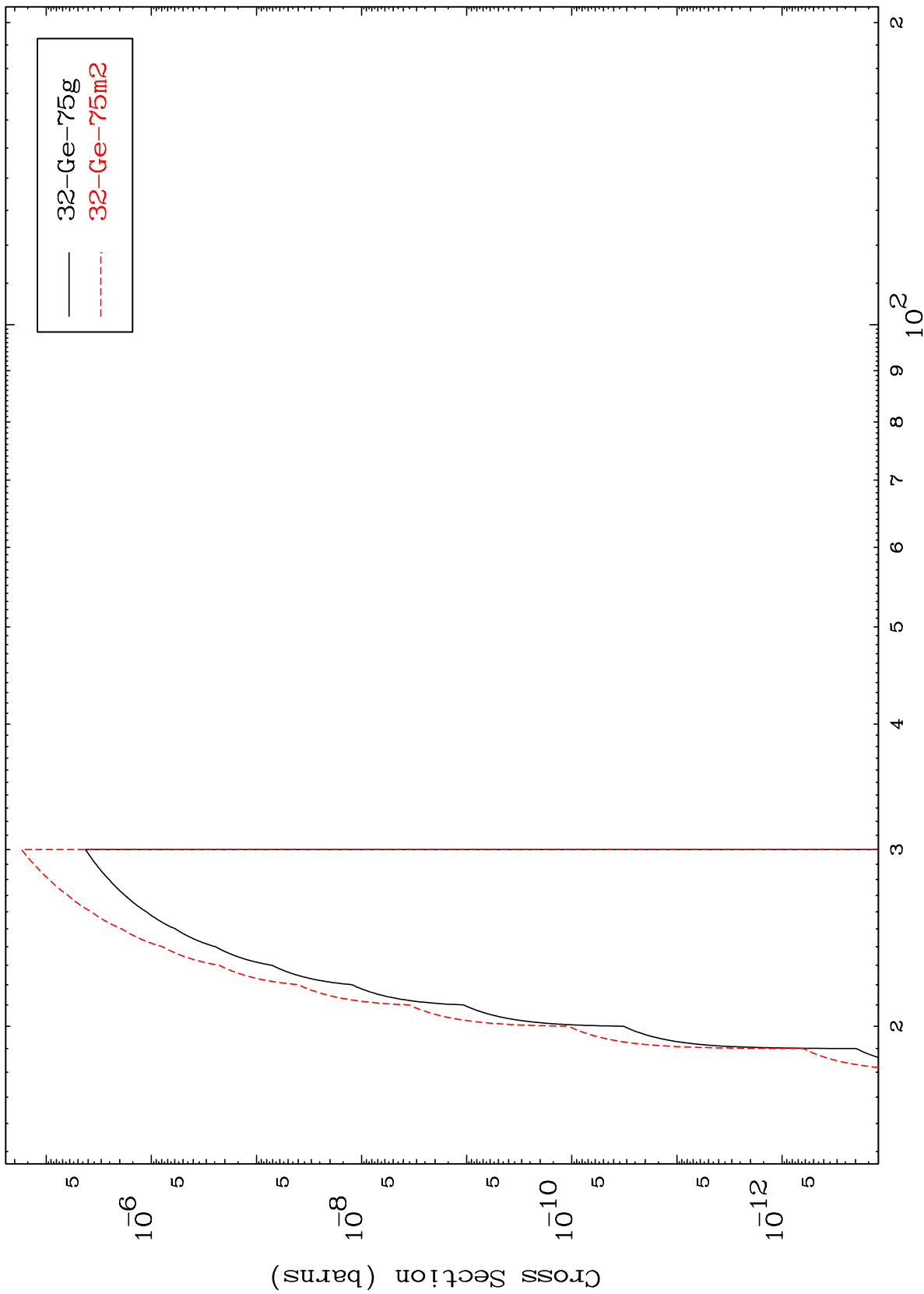
34-Se-77

MAT 3435

(n,p) d

³⁴Se-77

Radionuclide Production Cross Section



24

Incident Energy (MeV)

³⁴Se-77