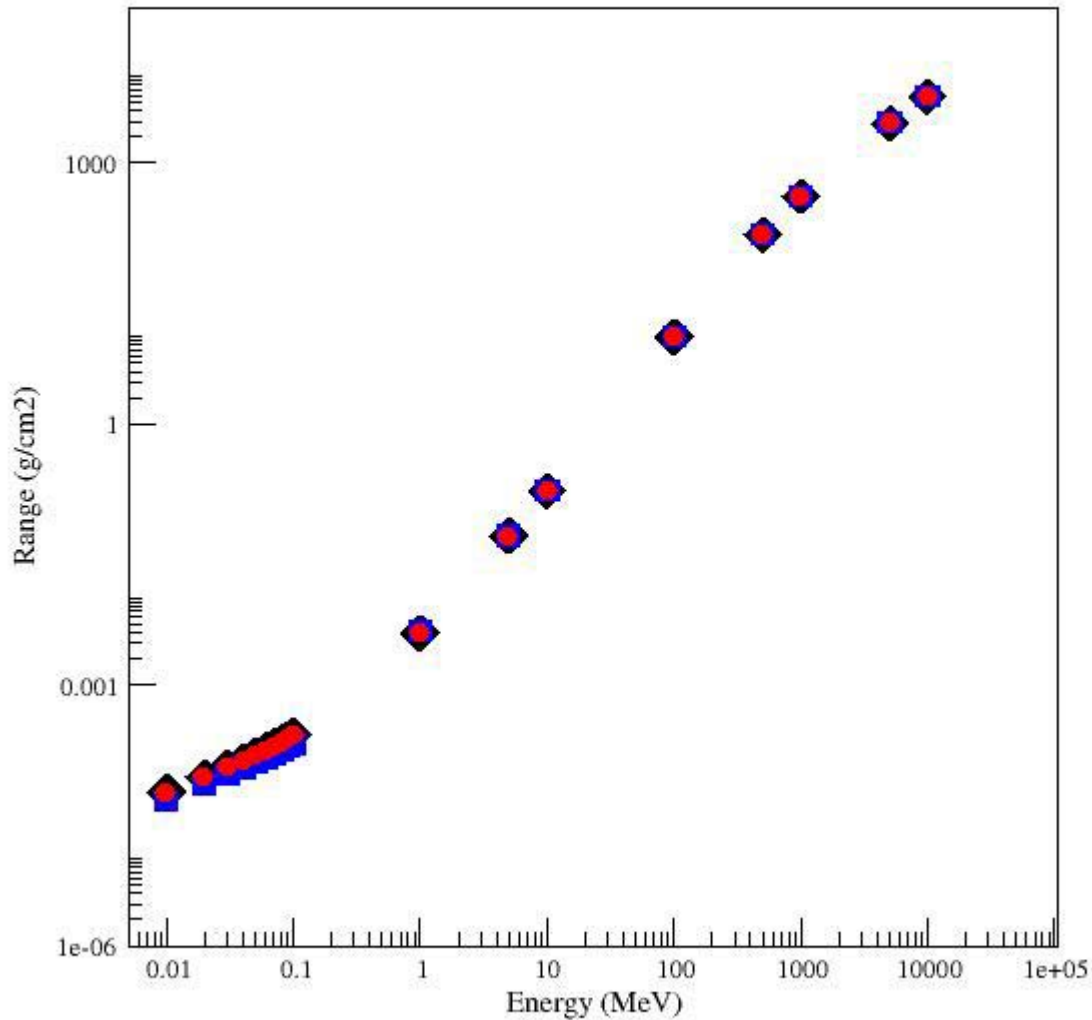


# PROTONS – CSDA RANGE

# CSDA Range Al

Protons - CSDA Range - Aluminium

(Geant4-05-02)



◆ NIST-PSTAR

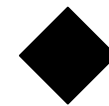
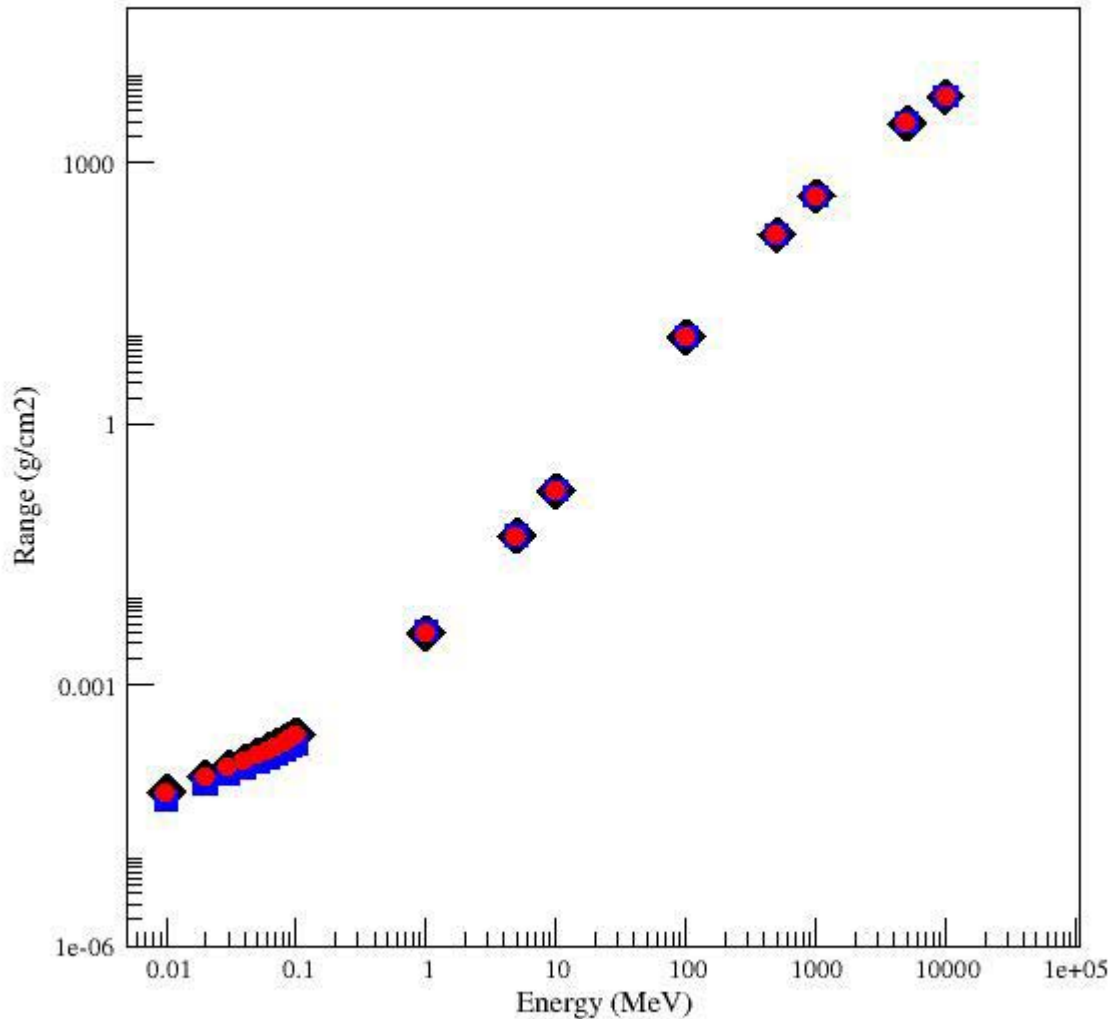
■ G4 Standard

● G4 LowE

# CSDA Range Al

Protons - CSDA Range - Aluminium

(Geant4-05-02)



NIST-PSTAR

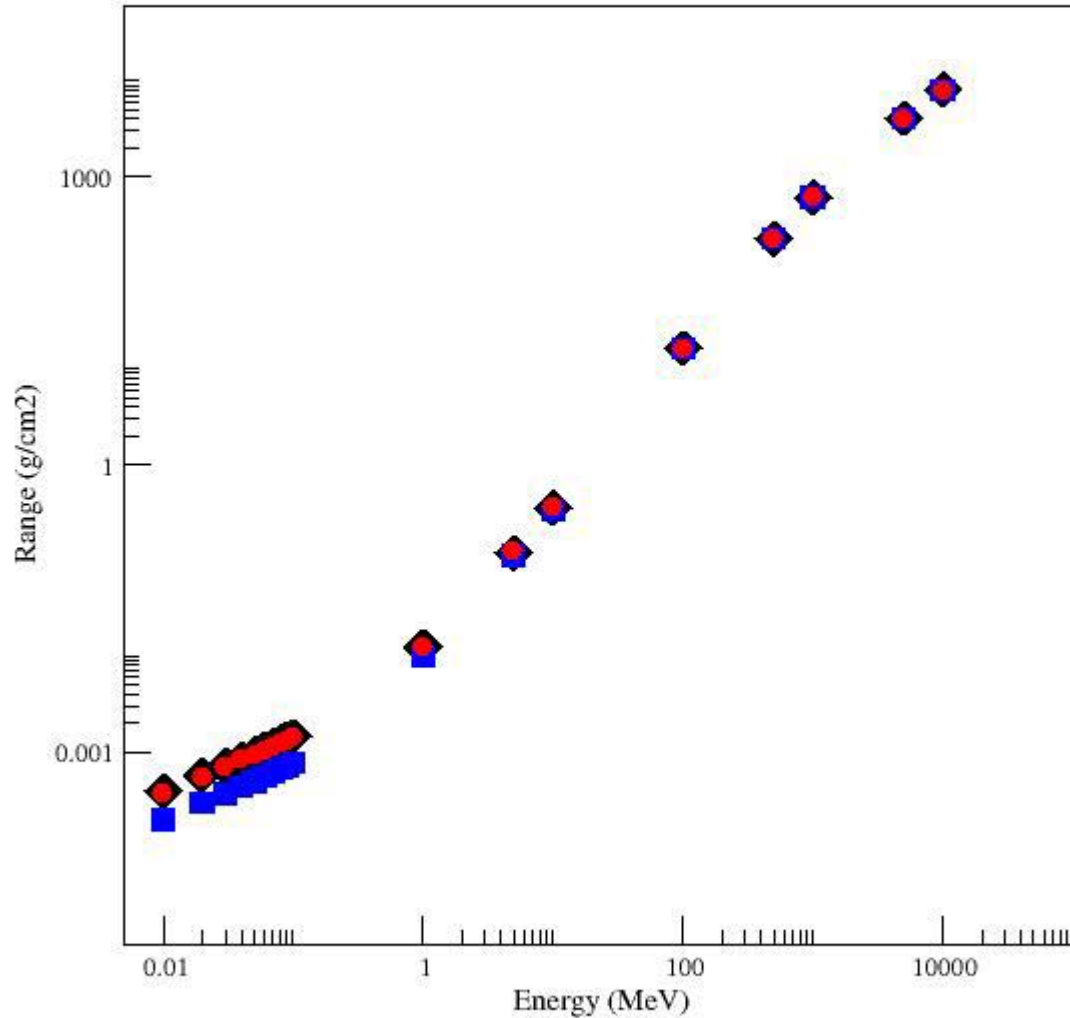


G4 LowE Ziegler

# CSDA Range Au

Protons - CSDA Range - Gold

(Geant4-05-02)



◆ NIST-PSTAR

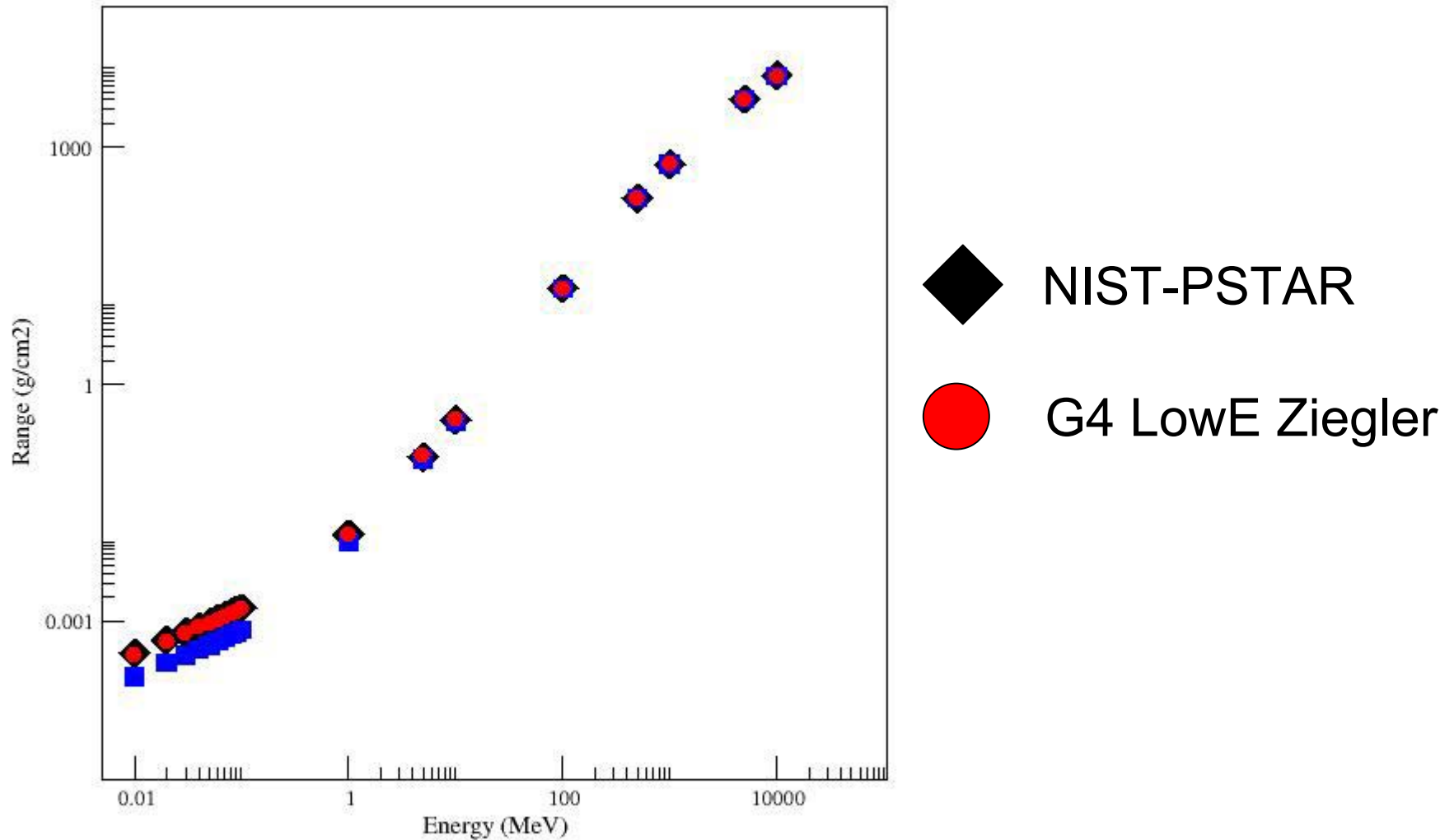
■ G4 Standard

● G4 LowE

# CSDA Range Au

Protons - CSDA Range - Gold

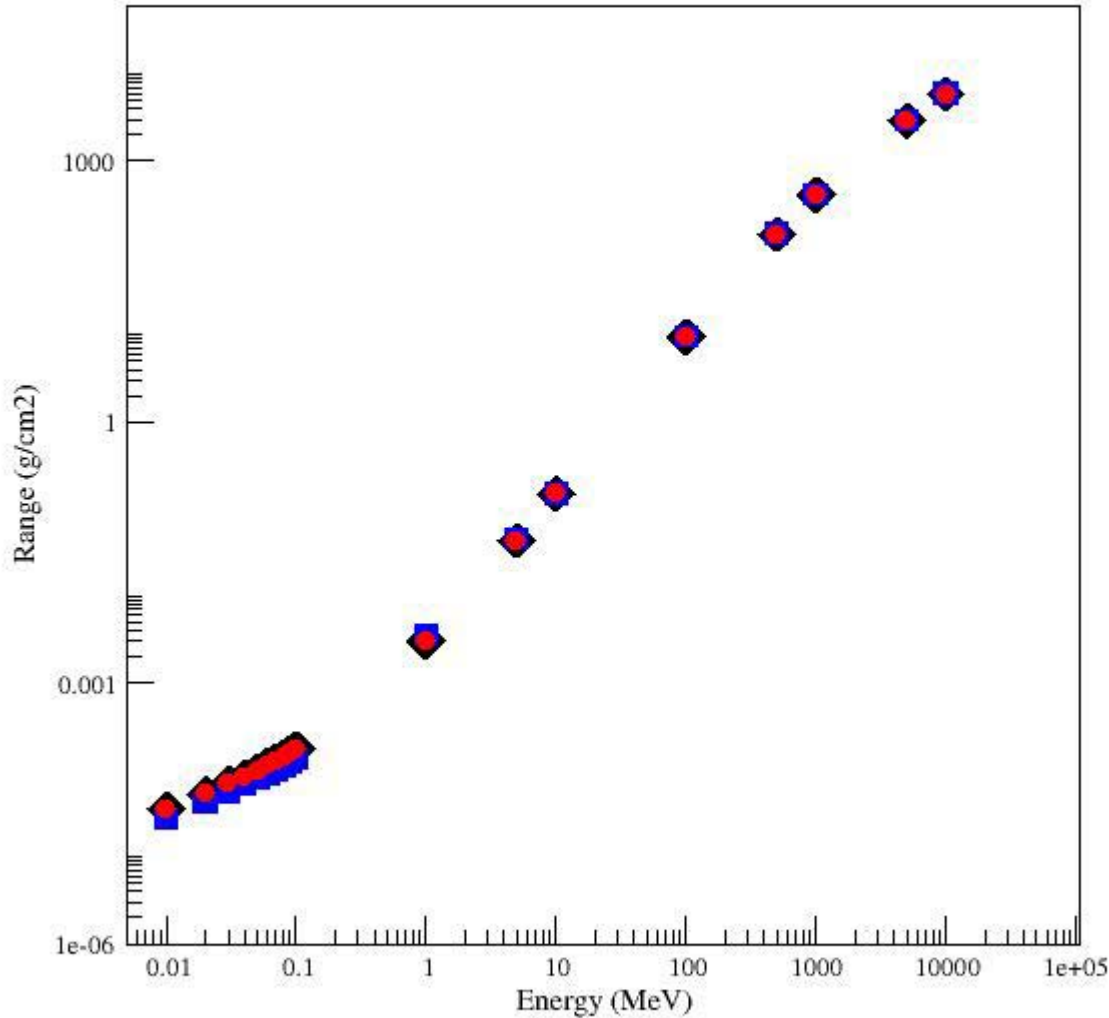
(Geant4-05-02)



# CSDA Range Be

Protons - CSDA Range - Beryllium

(Geant4-05-02)



◆ NIST-PSTAR

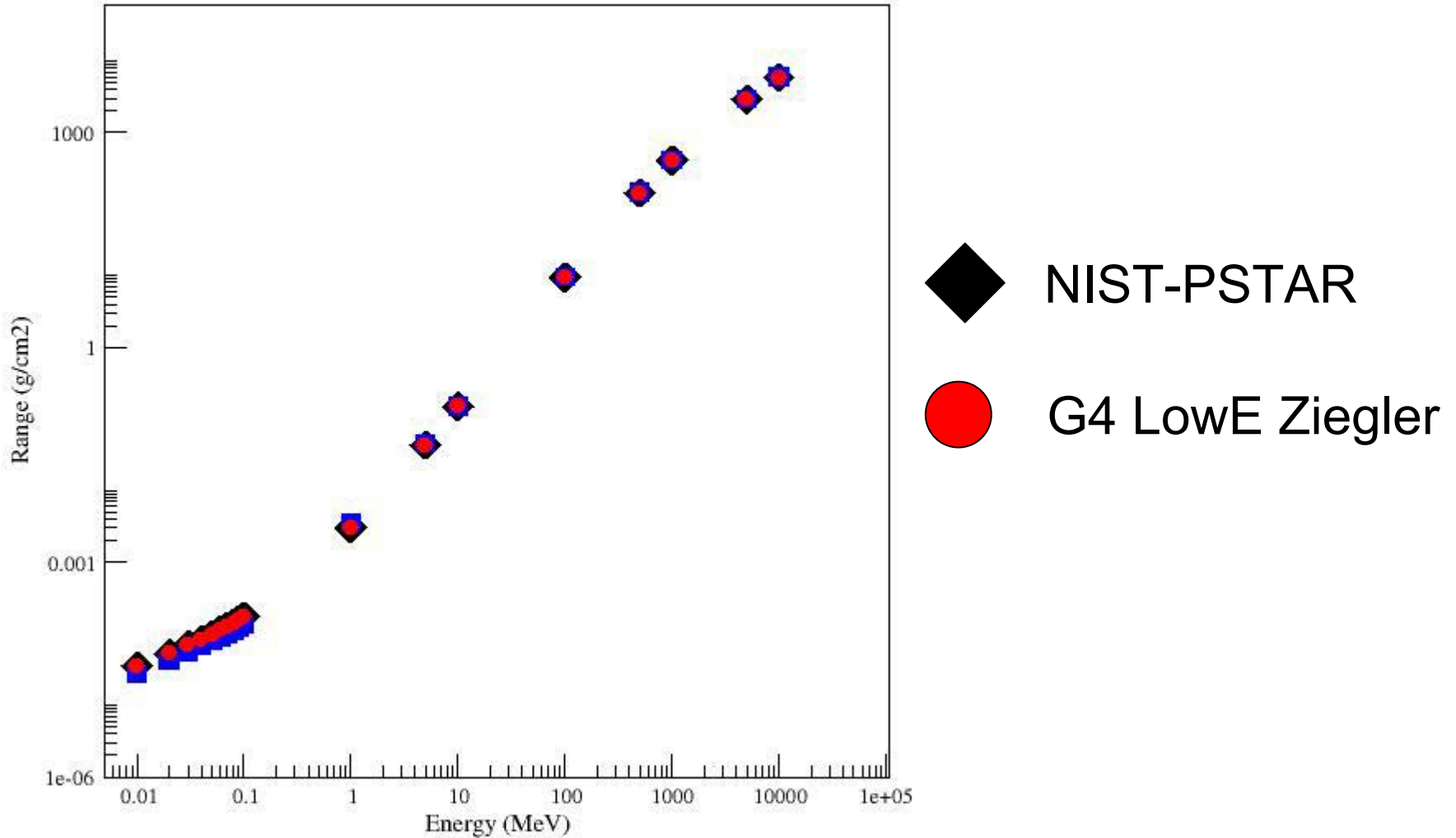
■ G4 Standard

● G4 LowE

# CSDA Range Be

Protons - CSDA Range - Beryllium

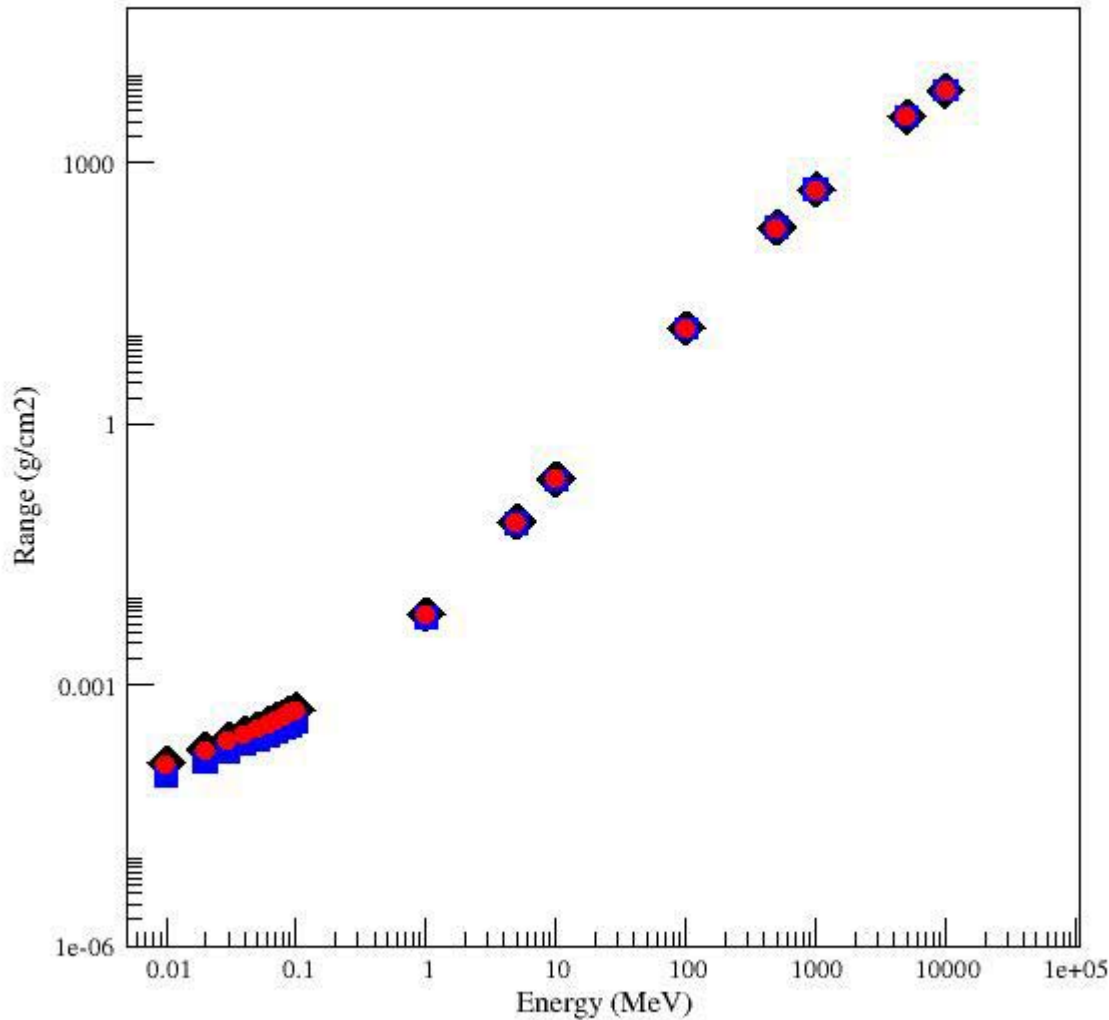
(Geant4-05-02)



# CSDA Range Ge

Protons - CSDA Range - Germanium

(Geant4-05-02)



◆ NIST-PSTAR

■ G4 Standard

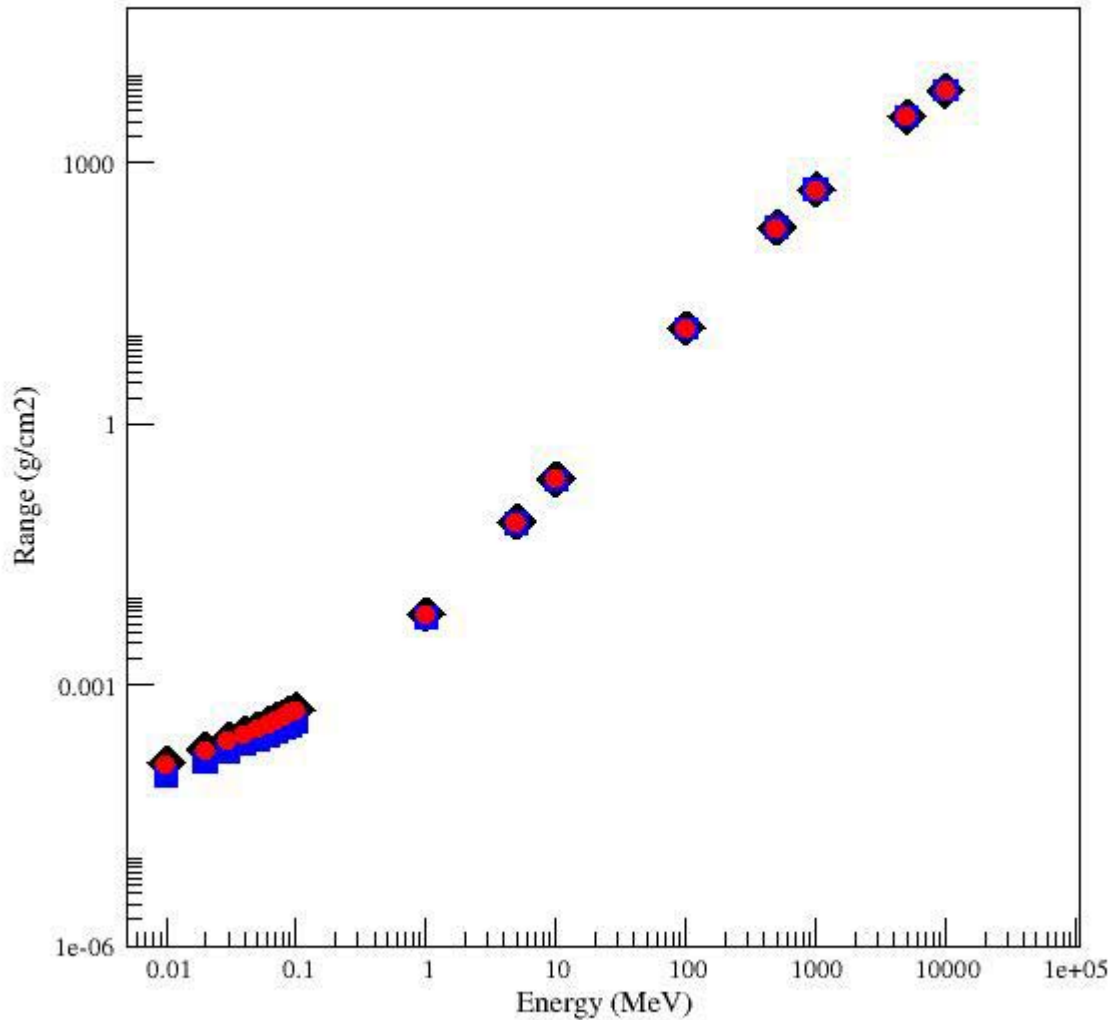
● G4 LowE



# CSDA Range Ge

Protons - CSDA Range - Germanium

(Geant4-05-02)



NIST-PSTAR

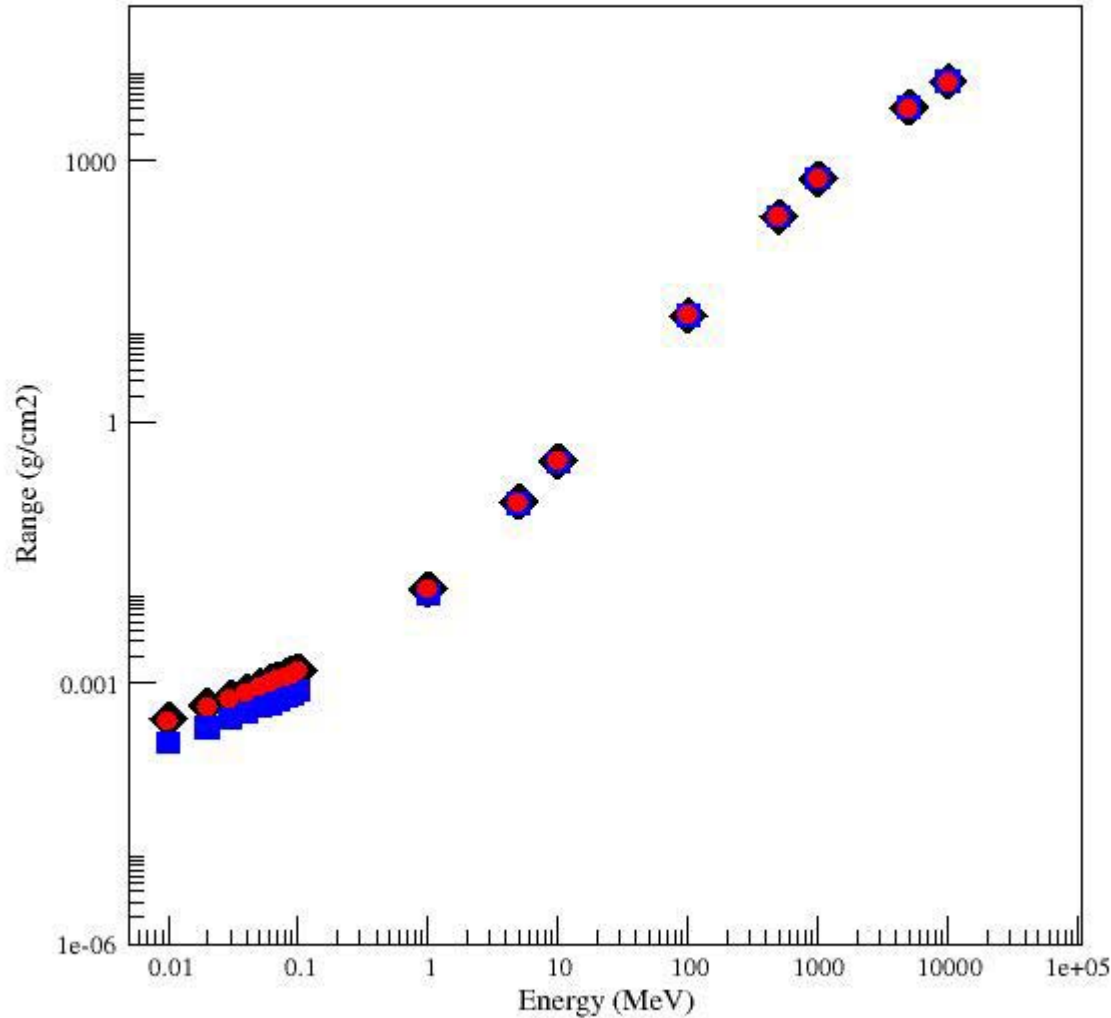


G4 LowE Ziegler

# CSDA Range Pb

Protons - CSDA Range - Lead

(Geant4-05-02)



◆ NIST-PSTAR

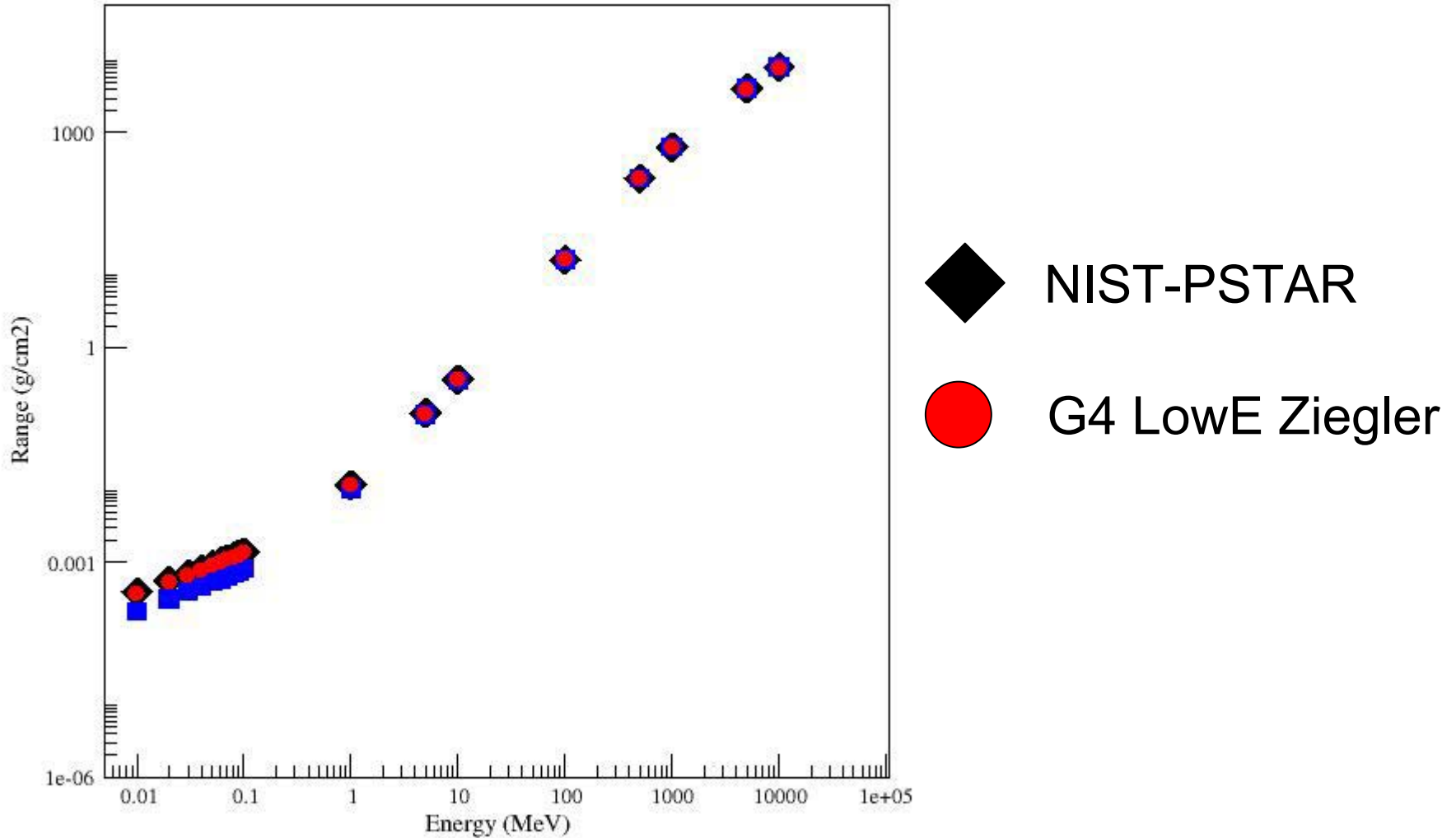
■ G4 Standard

● G4 LowE

# CSDA Range Pb

Protons - CSDA Range - Lead

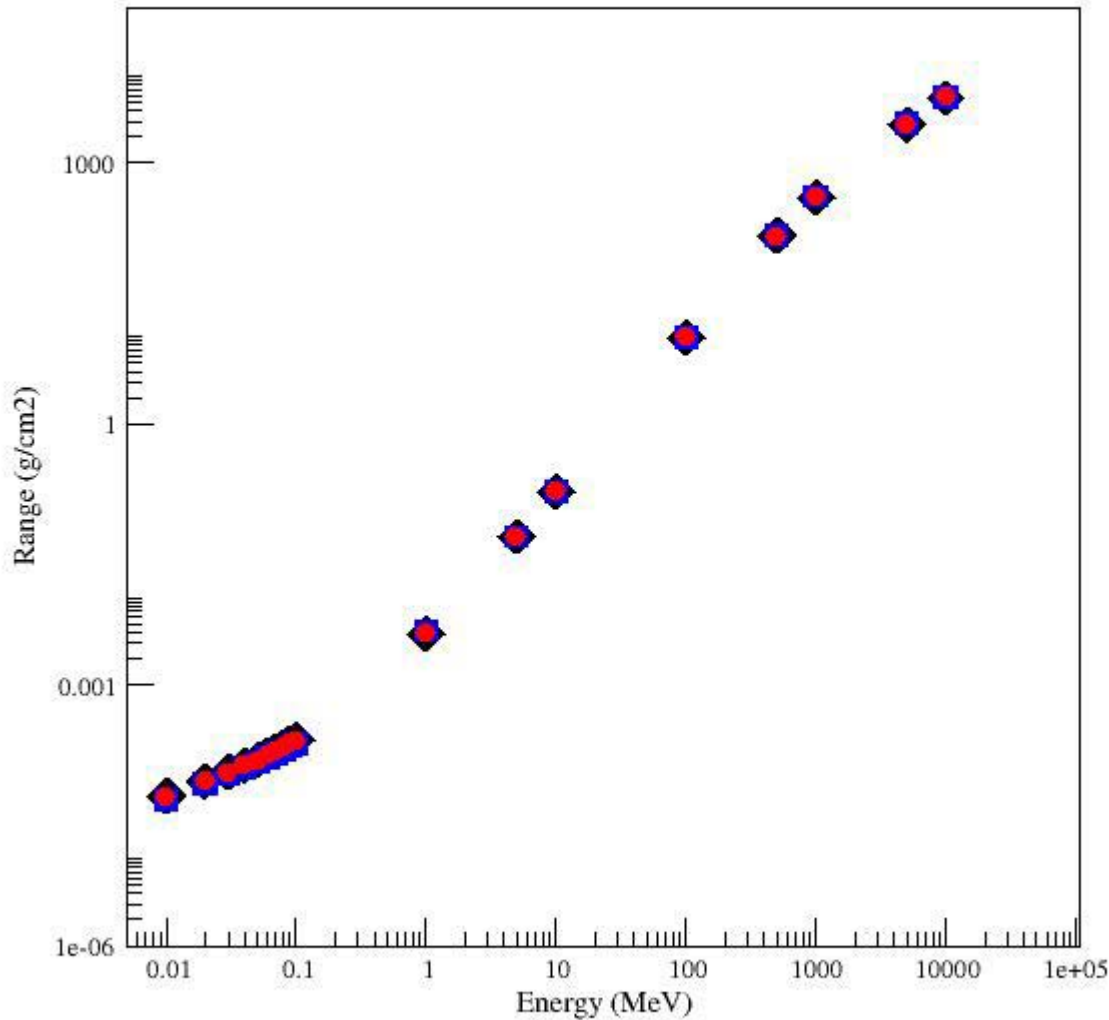
(Geant4-05-02)



# CSDA Range Si

Protons - CSDA Range - Silicon

(Geant4-05-02)



◆ NIST-PSTAR

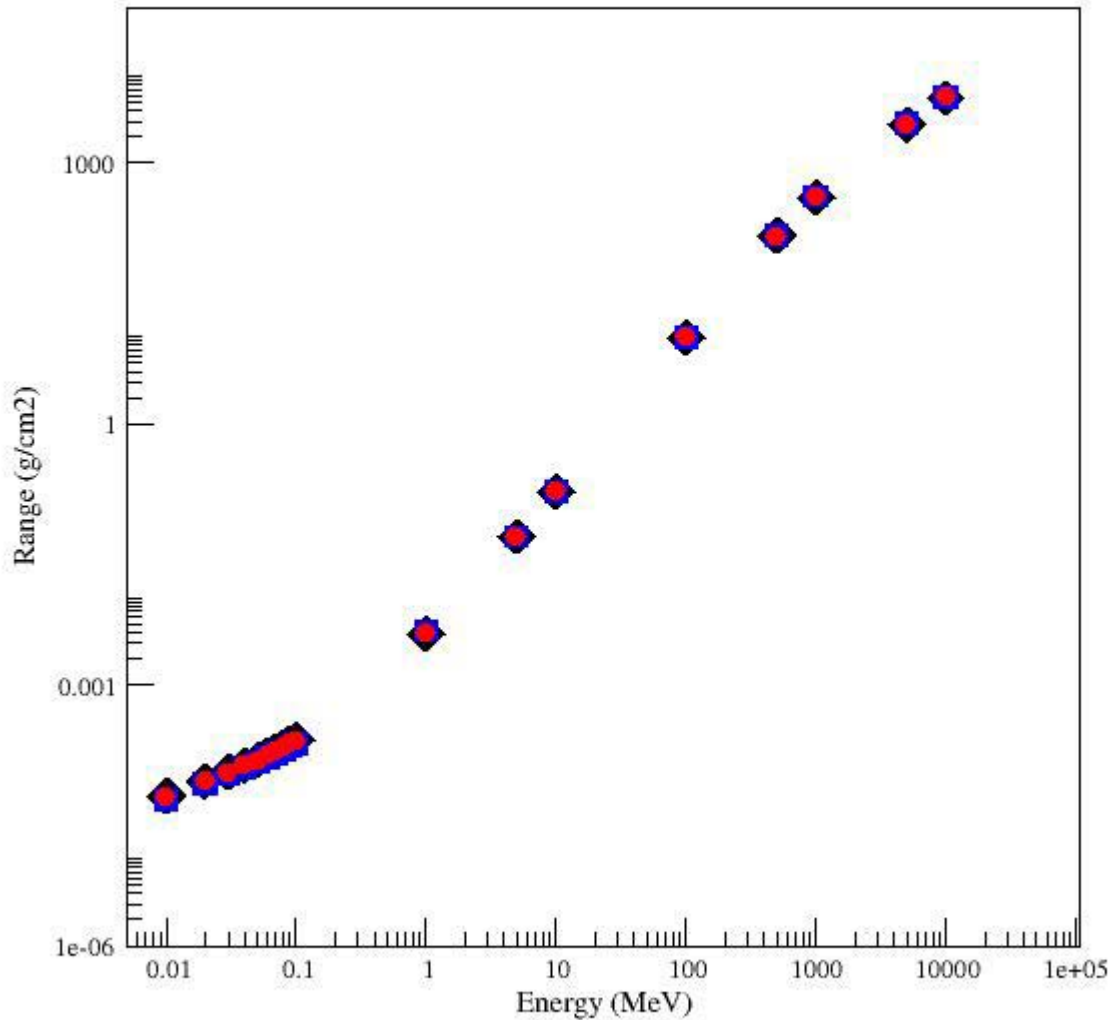
■ G4 Standard

● G4 LowE

# CSDA Range Si

Protons - CSDA Range - Silicon

(Geant4-05-02)



NIST-PSTAR

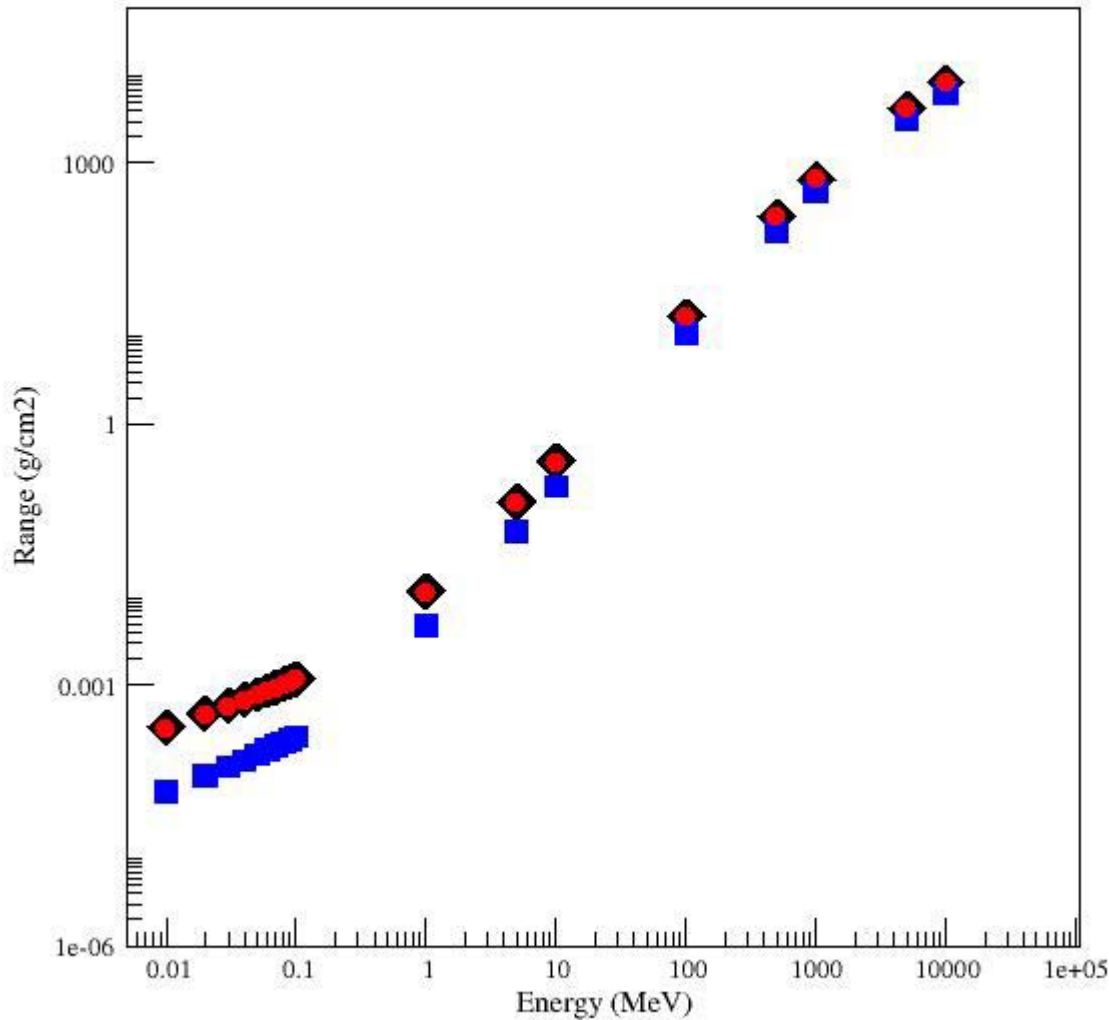


G4 LowE Ziegler

# CSDA Range U

Protons - CSDA Range - Uranium

(Geant4-05-02)



◆ NIST-PSTAR

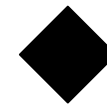
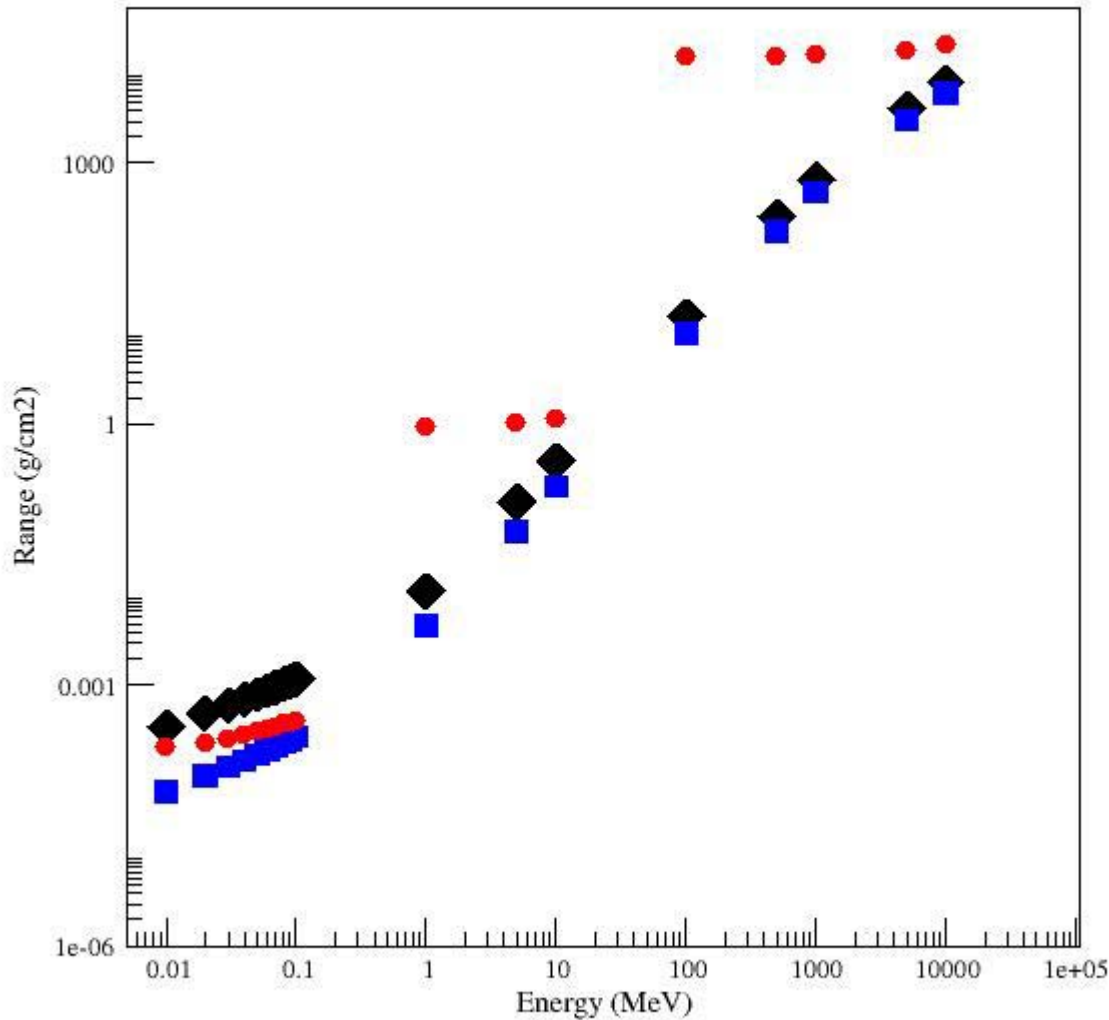
■ G4 Standard

● G4 LowE

# CSDA Range U

Protons - CSDA Range - Uranium

(Geant4-05-02)



NIST-PSTAR



G4 LowE Ziegler

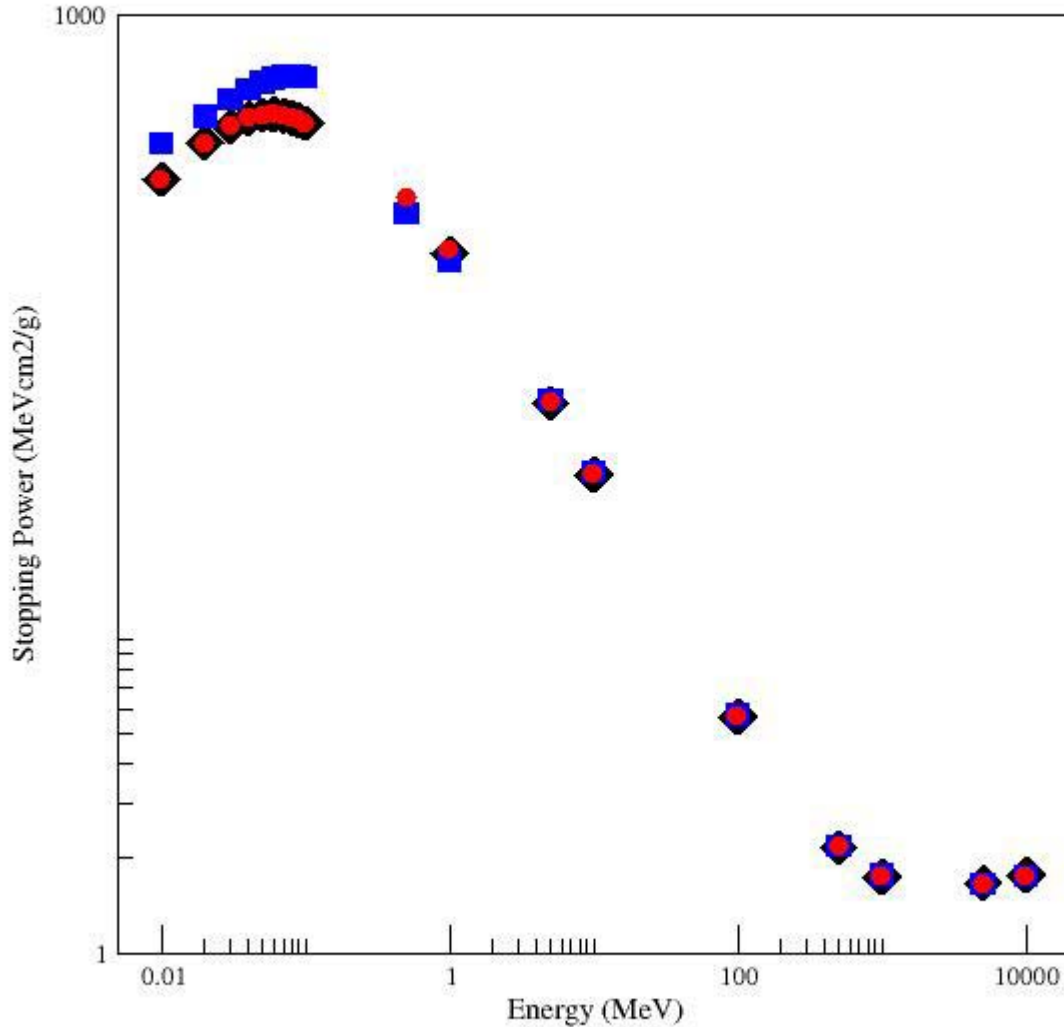
# PROTONS STOPPING POWER



# Stopping Power AI

Protons - Stopping Power - Aluminium

(Geant4-05-02)



◆ NIST-PSTAR

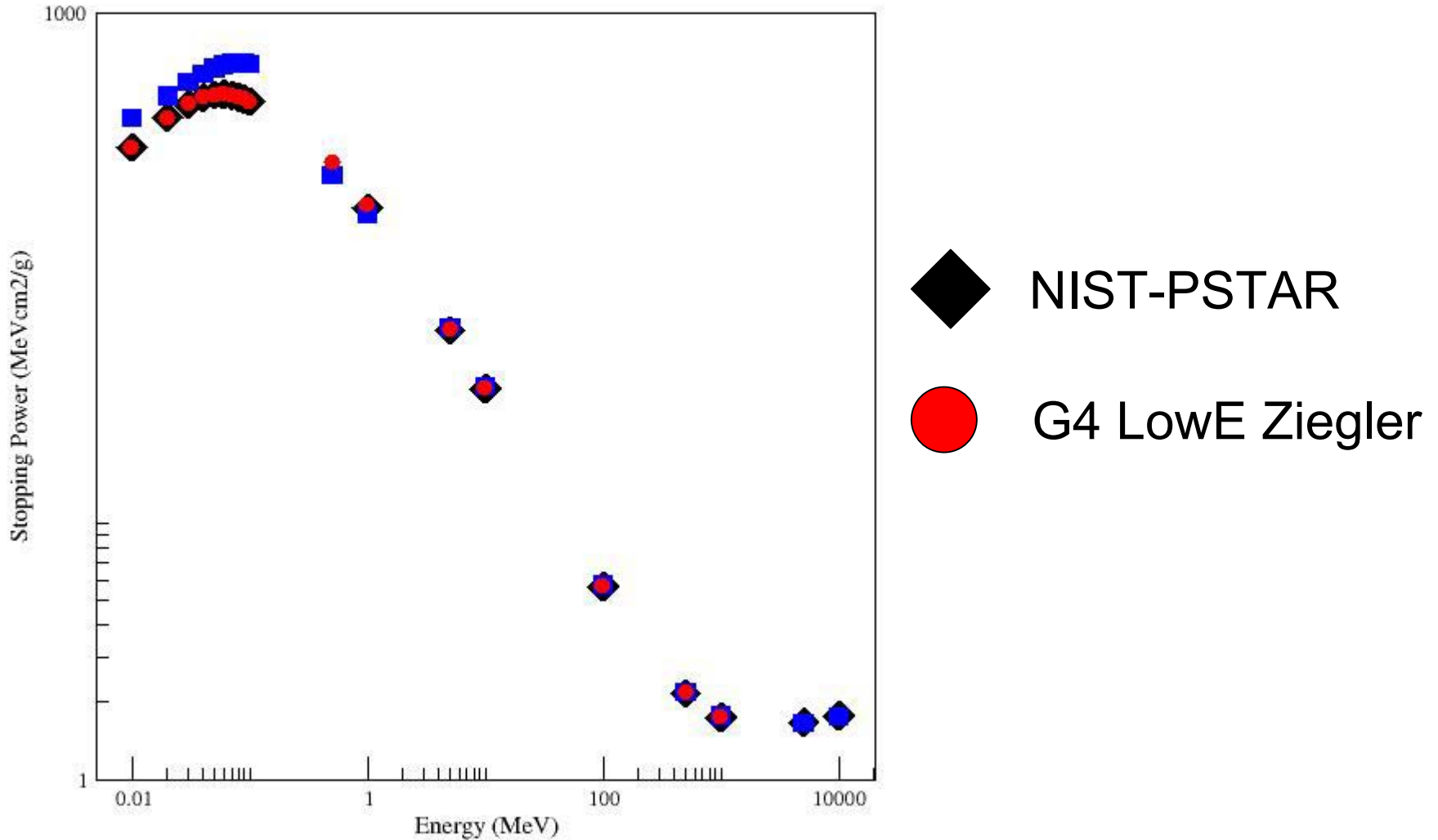
■ G4 Standard

● G4 LowE

# Stopping Power AI

Protons - Stopping Power - Aluminium

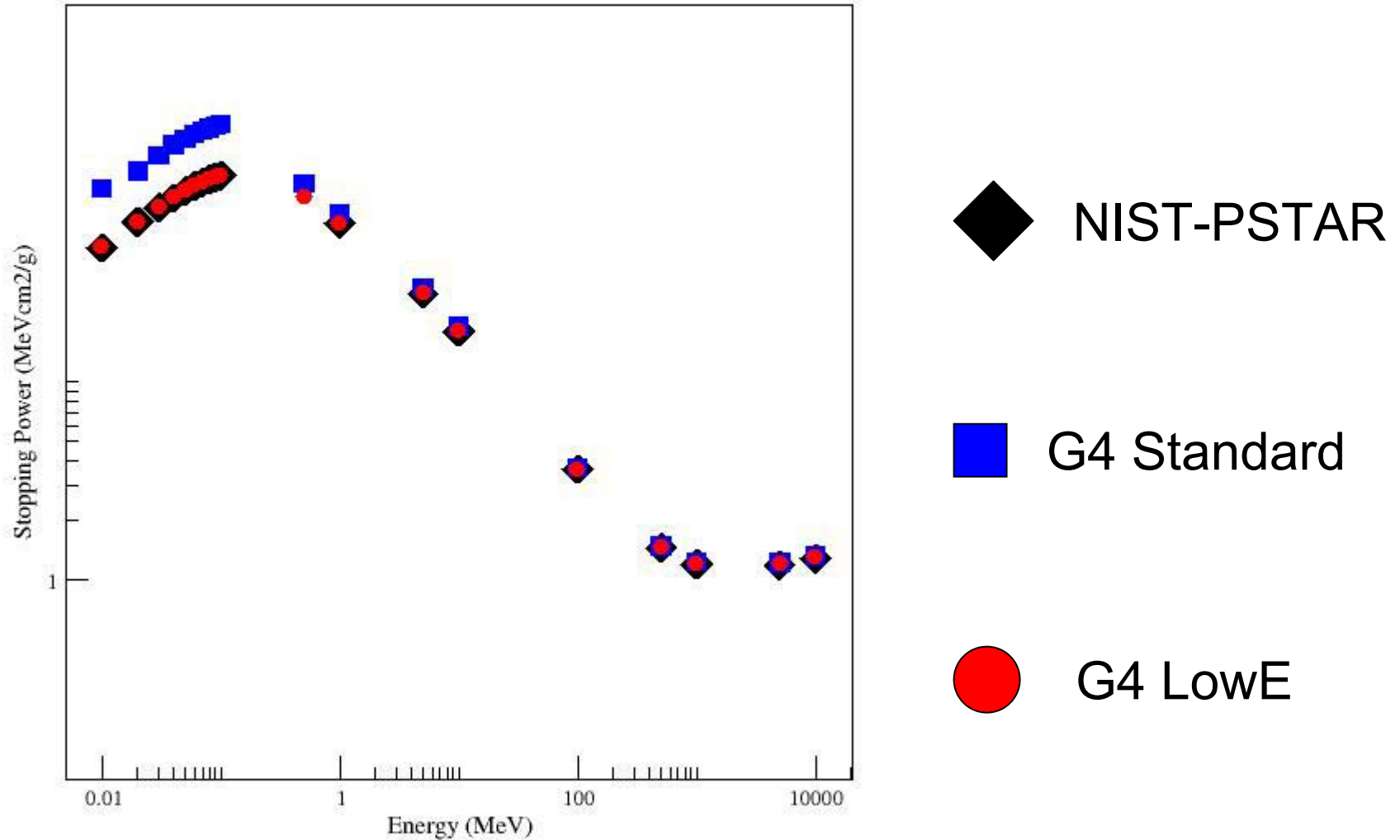
(Geant4-05-02)



# Stopping Power Au

Protons - Stopping Power - Gold

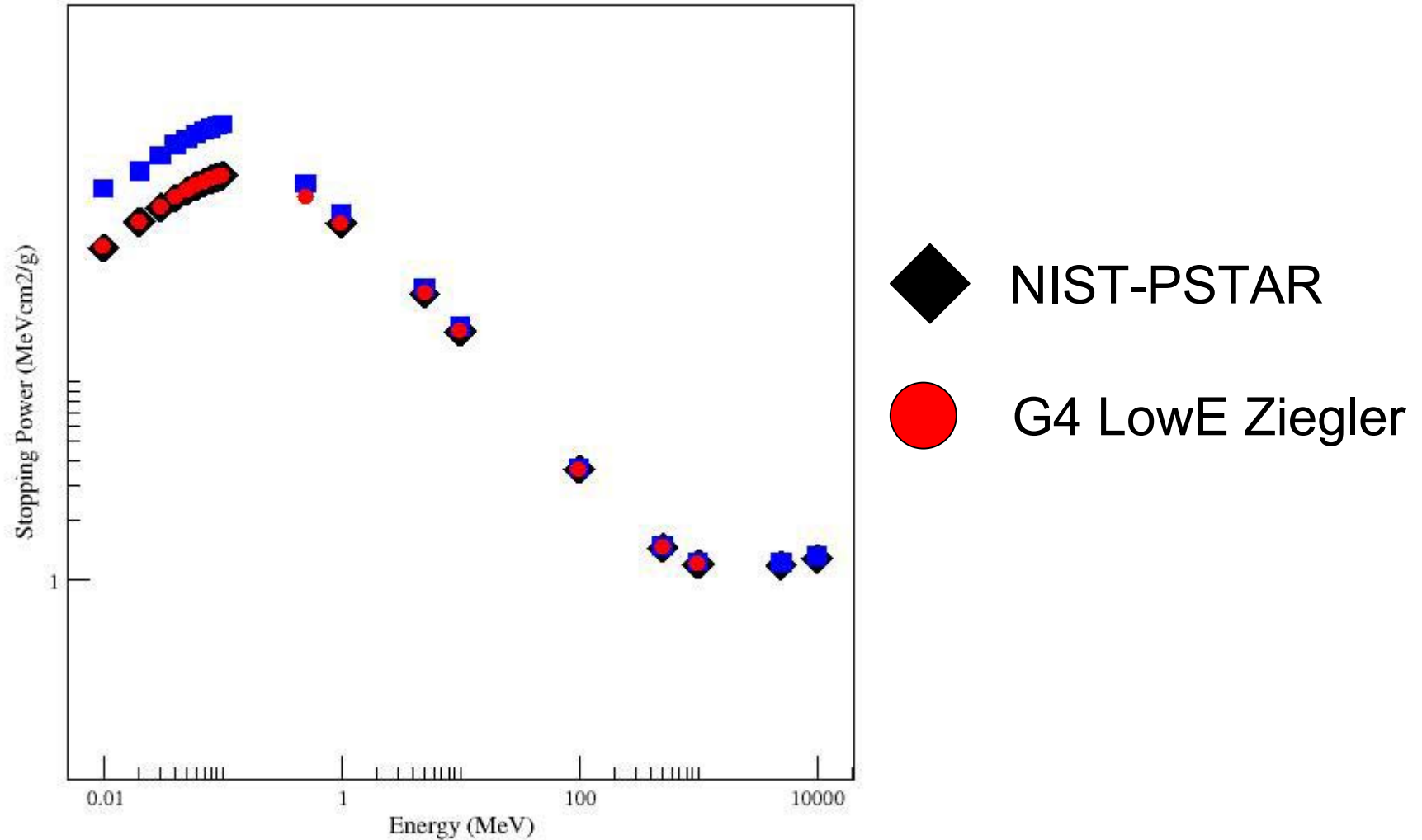
(Geant4-05-02)



# Stopping Power Au

Protons - Stopping Power - Gold

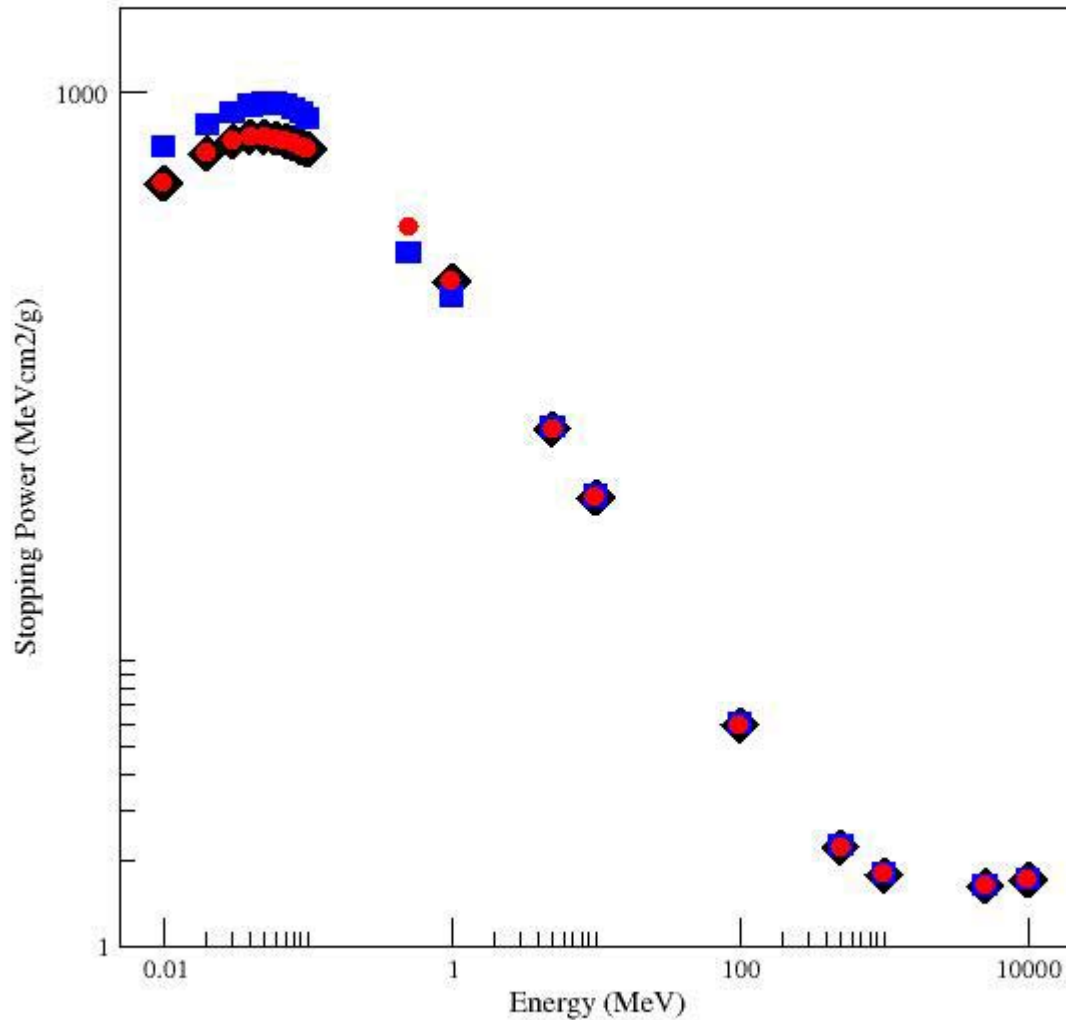
(Geant4-05-02)



# Stopping Power Be

Protons - Stopping Power - Beryllium

(Geant4-05-02)



◆ NIST-PSTAR

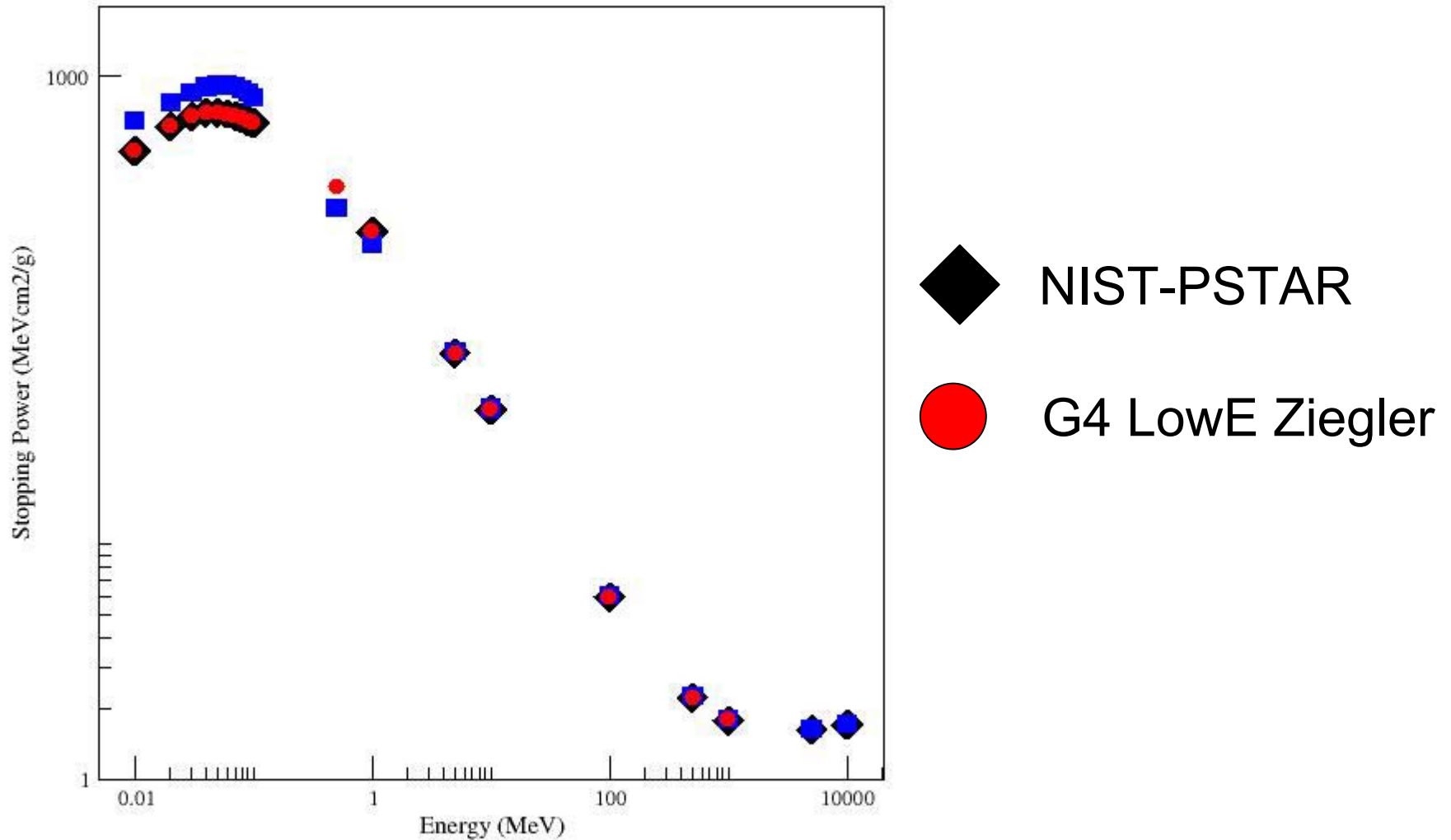
■ G4 Standard

● G4 LowE

# Stopping Power Be

Protons - Stopping Power - Beryllium

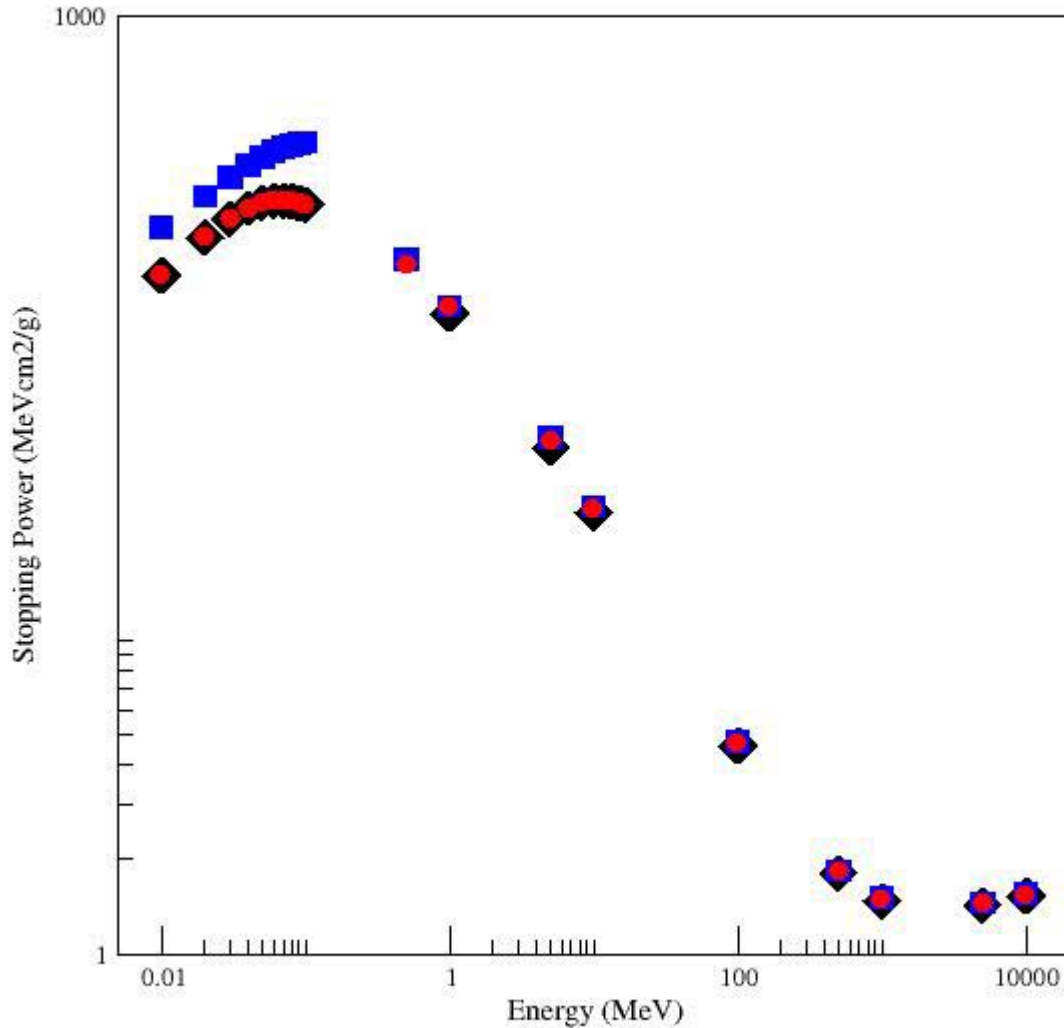
(Geant4-05-02)



# Stopping Power Ge

Protons - Stopping Power - Germanium

(Geant4-05-02)



◆ NIST-PSTAR

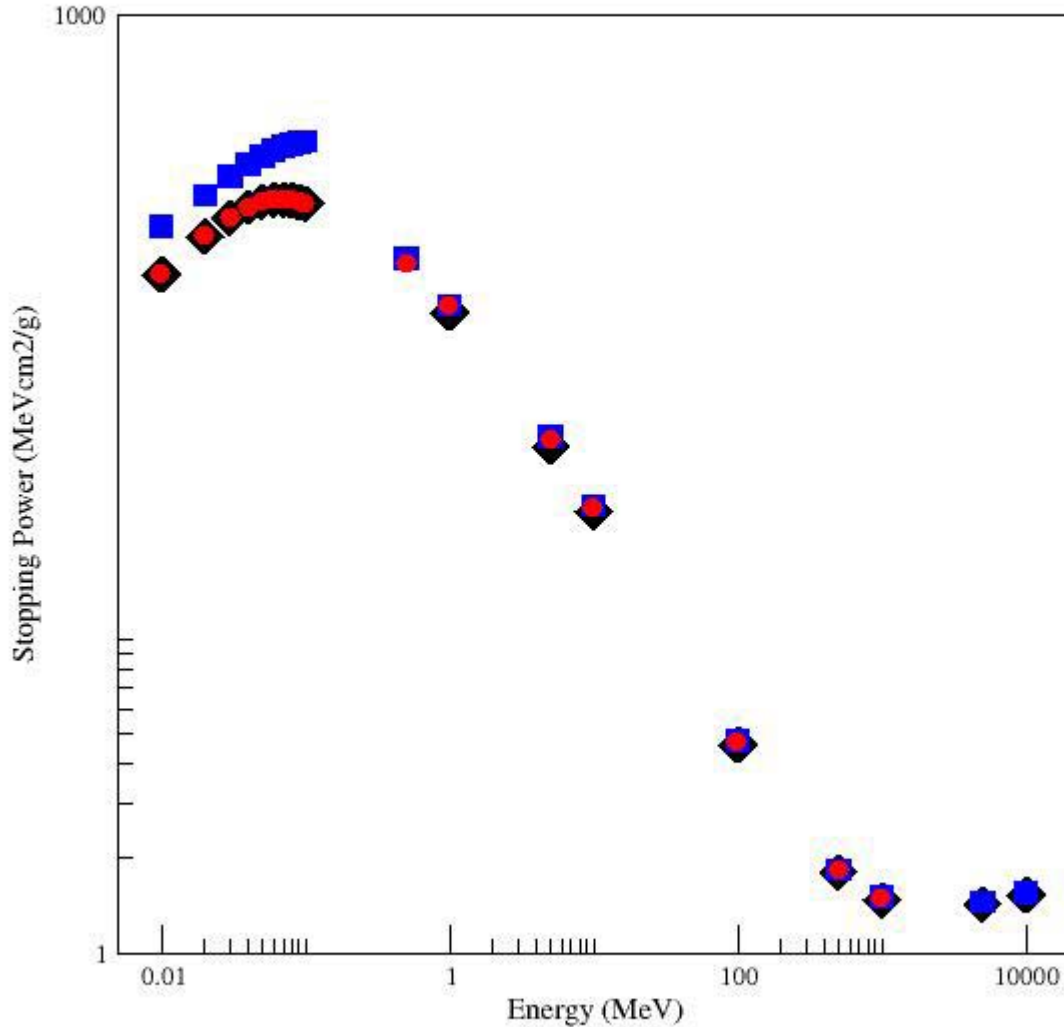
■ G4 Standard

● G4 LowE

# Stopping Power Ge

Protons - Stopping Power - Germanium

(Geant4-05-02)



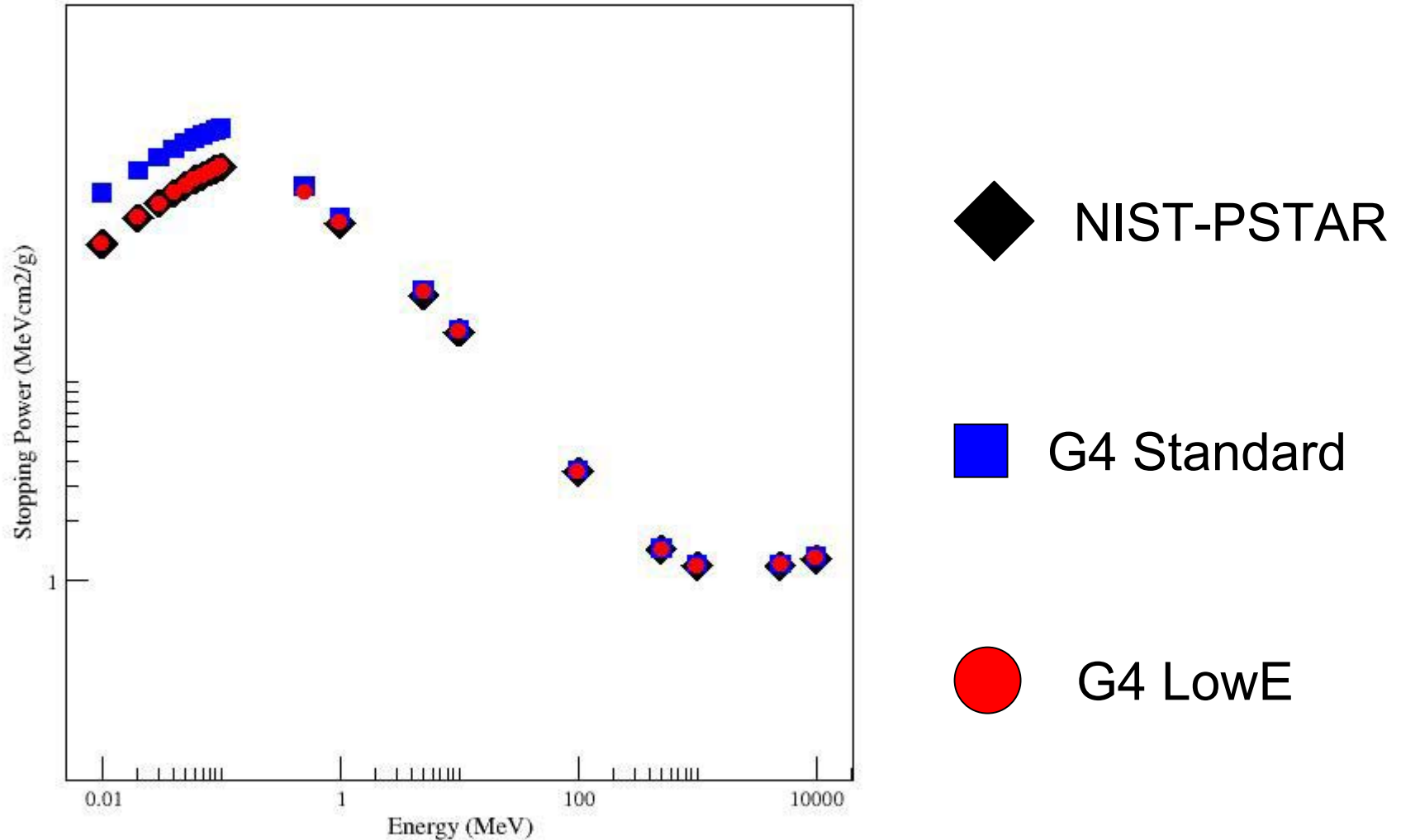
- ◆ NIST-PSTAR
- G4 LowE Ziegler



# Stopping Power Pb

Protons - Stopping Power - Lead

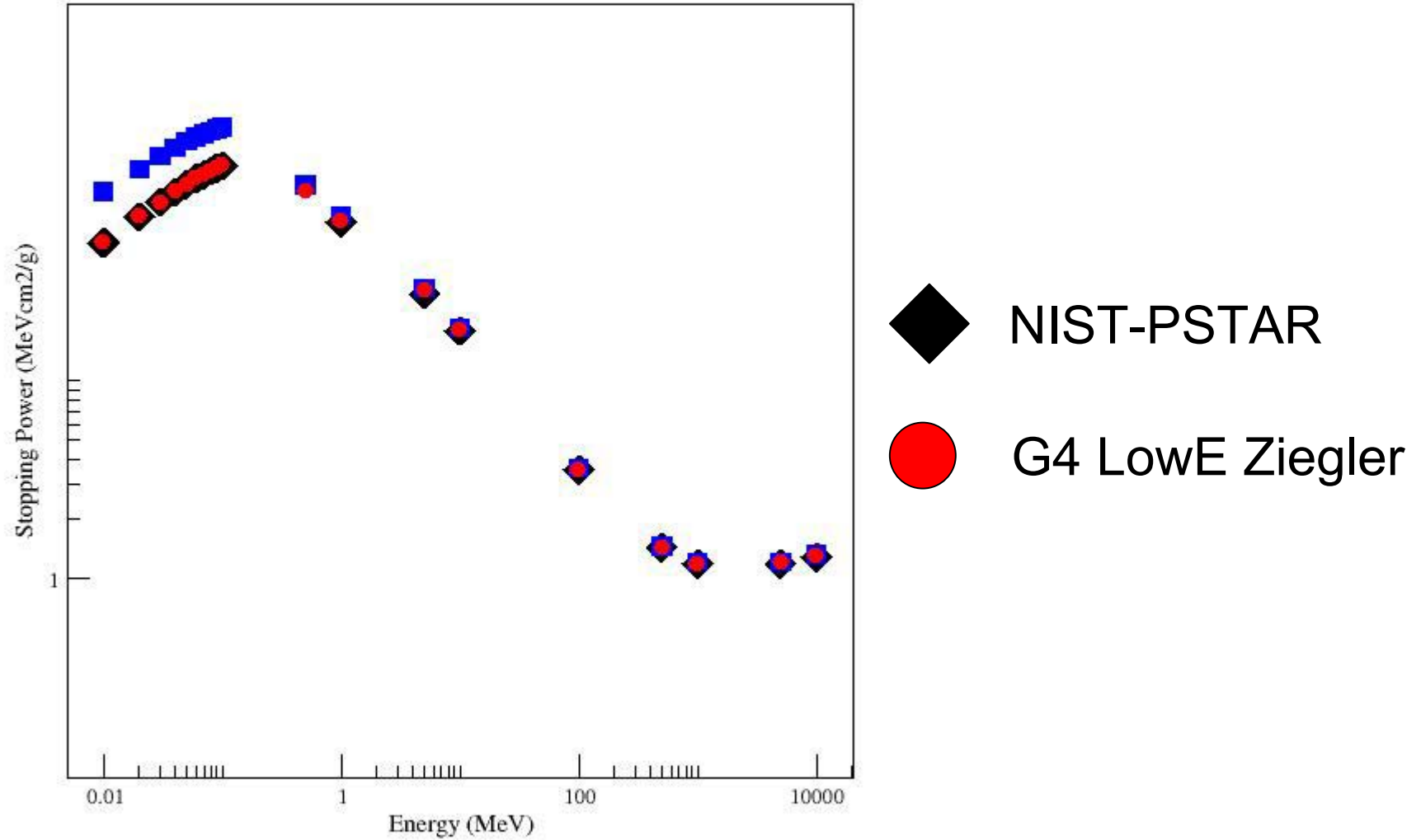
(Geant4-05-02)



# Stopping Power Pb

Protons - Stopping Power - Lead

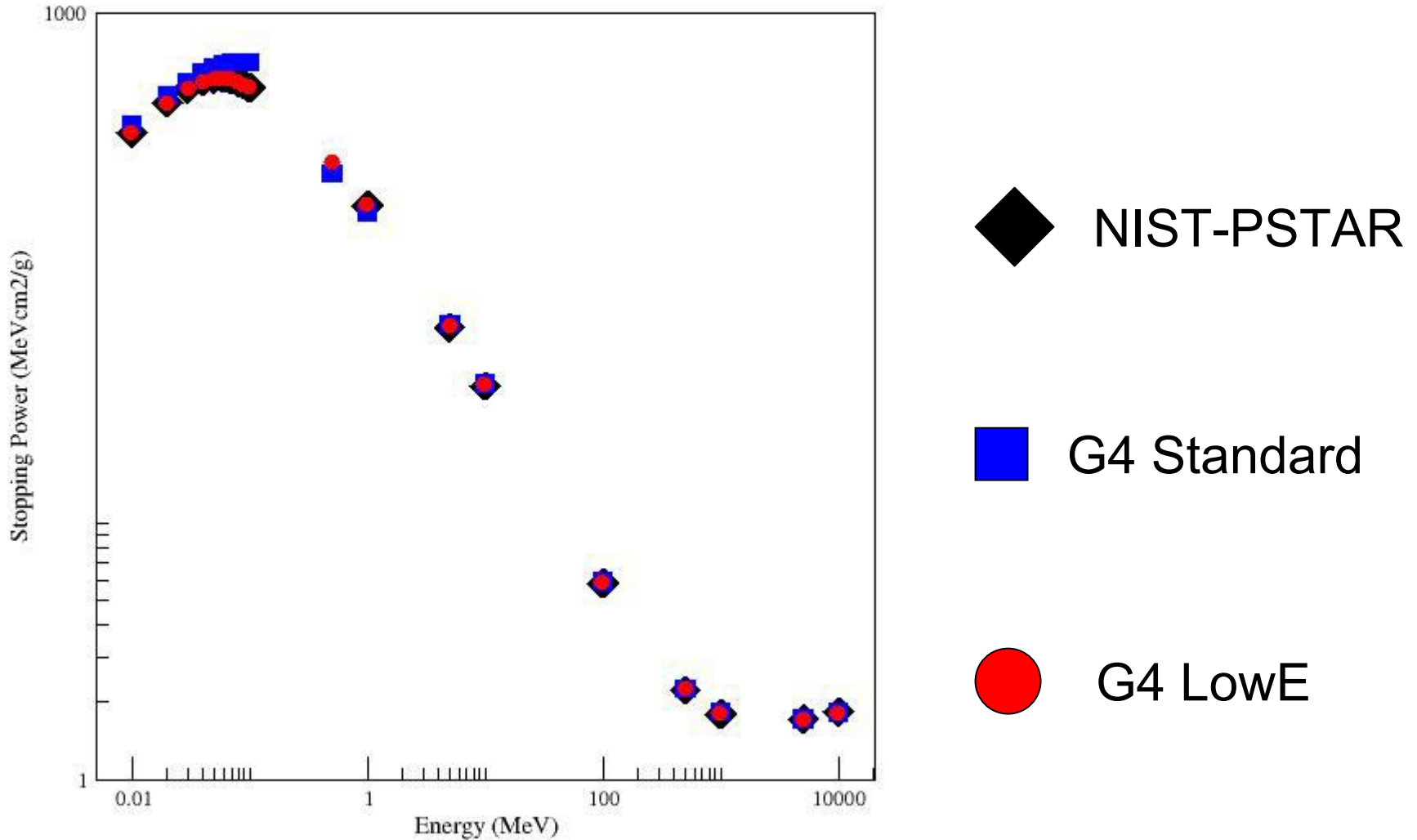
(Geant4-05-02)



# Stopping Power Si

Protons - Stopping Power - Silicon

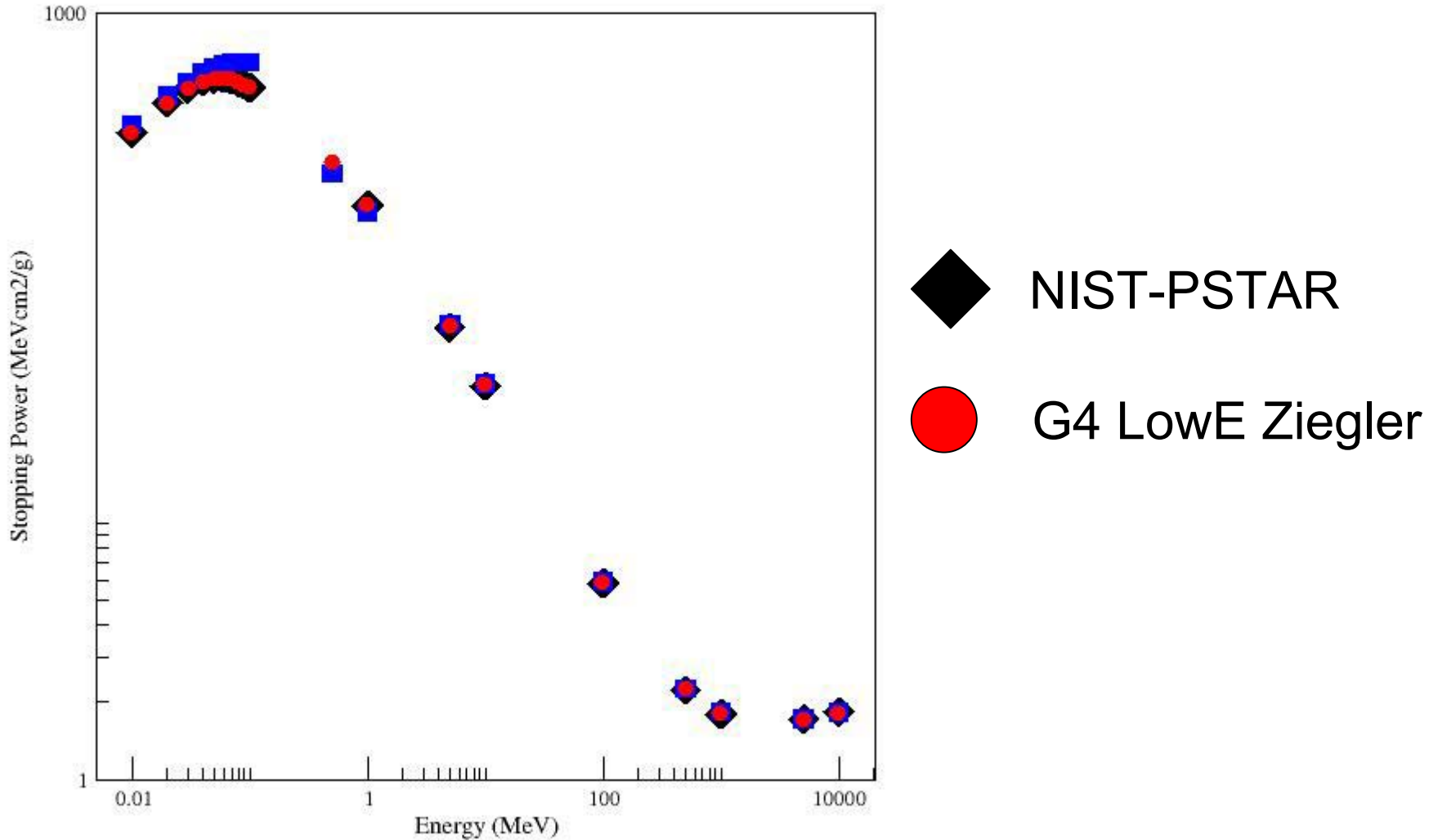
(Geant4-05-02)



# Stopping Power Si

Protons - Stopping Power - Silicon

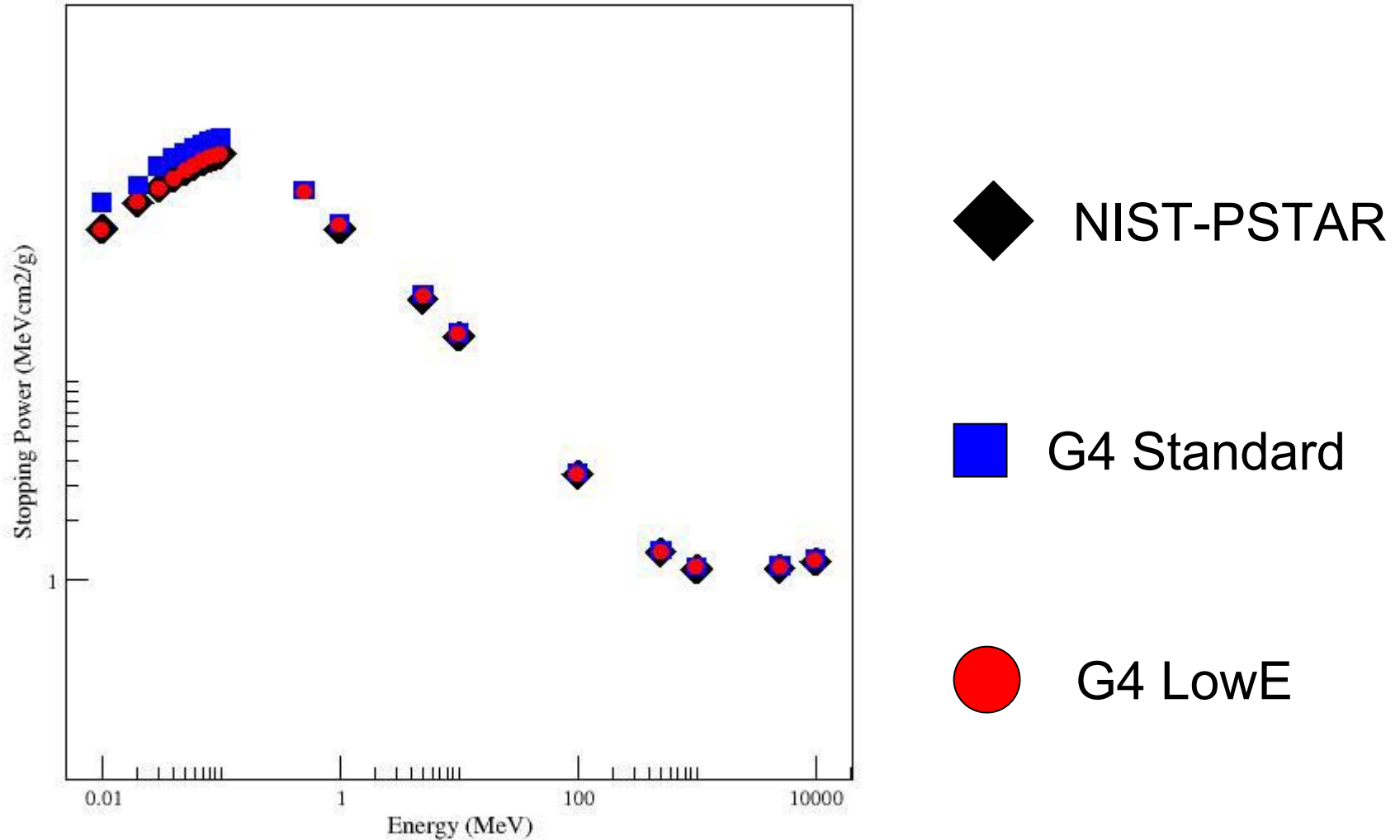
(Geant4-05-02)



# Stopping Power U

Protons - Stopping Power - Uranium

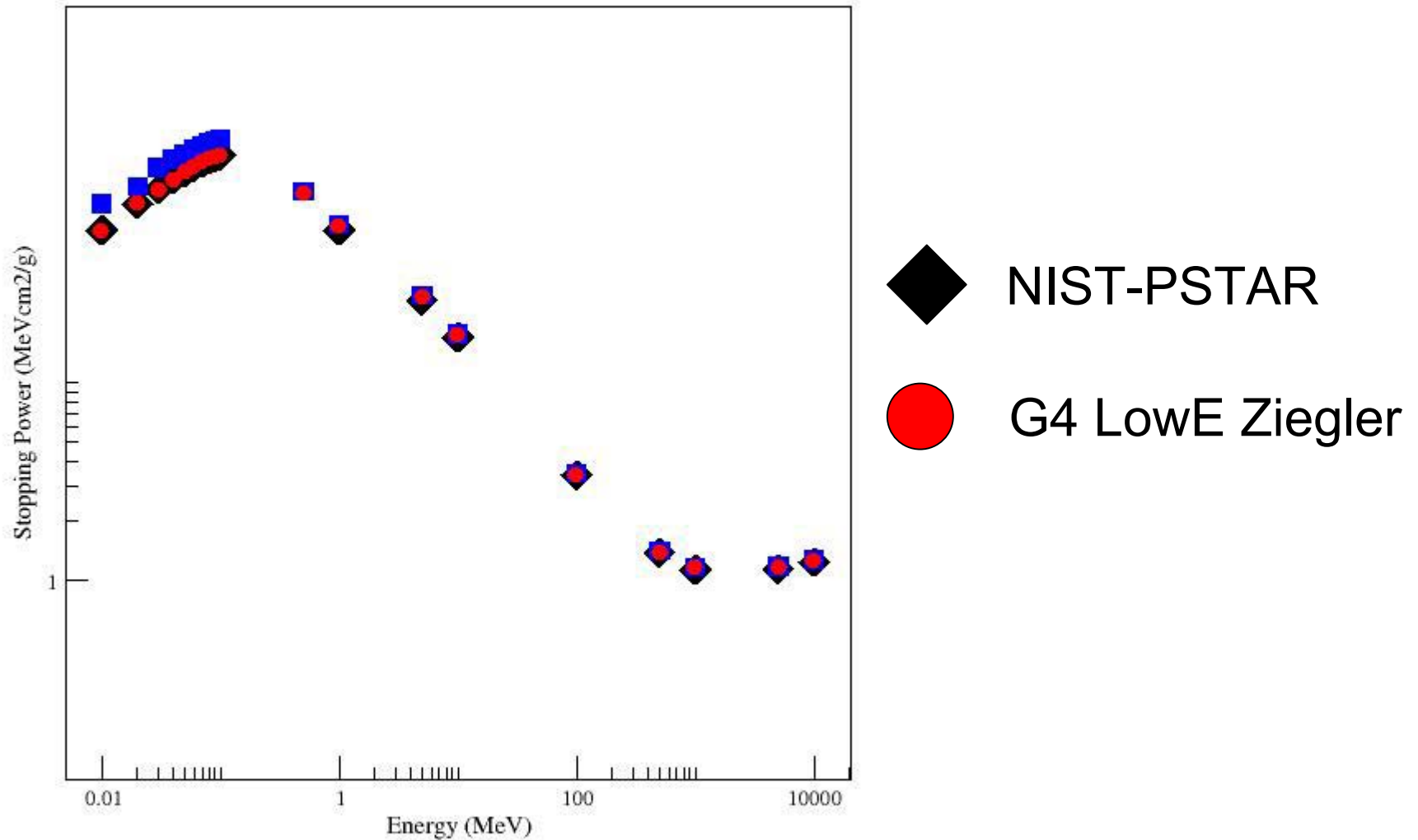
(Geant4-05-02)



# Stopping Power U

Protons - Stopping Power - Uranium

(Geant4-05-02)

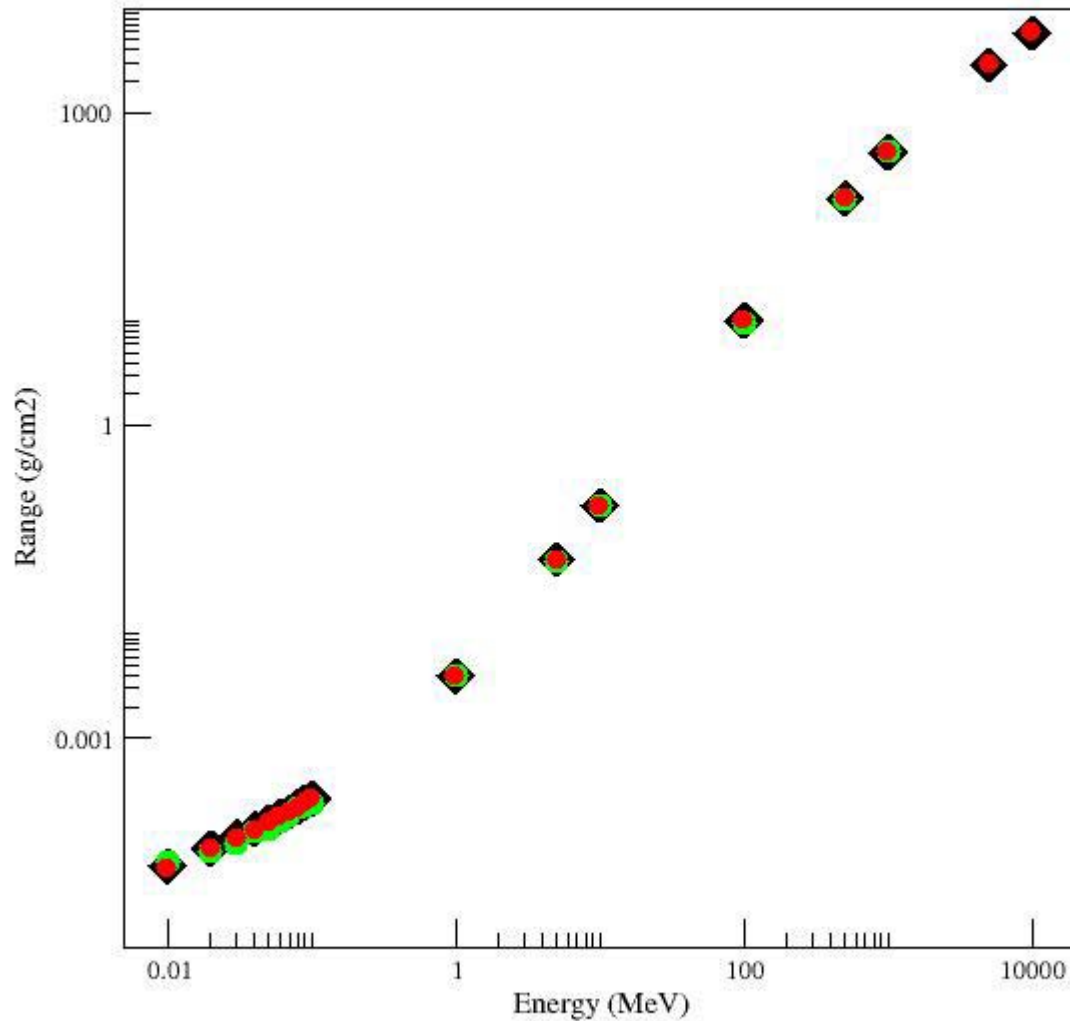


# REGRESSION TESTING

# CSDA Range – Al –G4LowE

Protons - CSDA Range - Aluminium

Regression Testing - G4LowE



◆ NIST-PSTAR

● Geant4-05-00

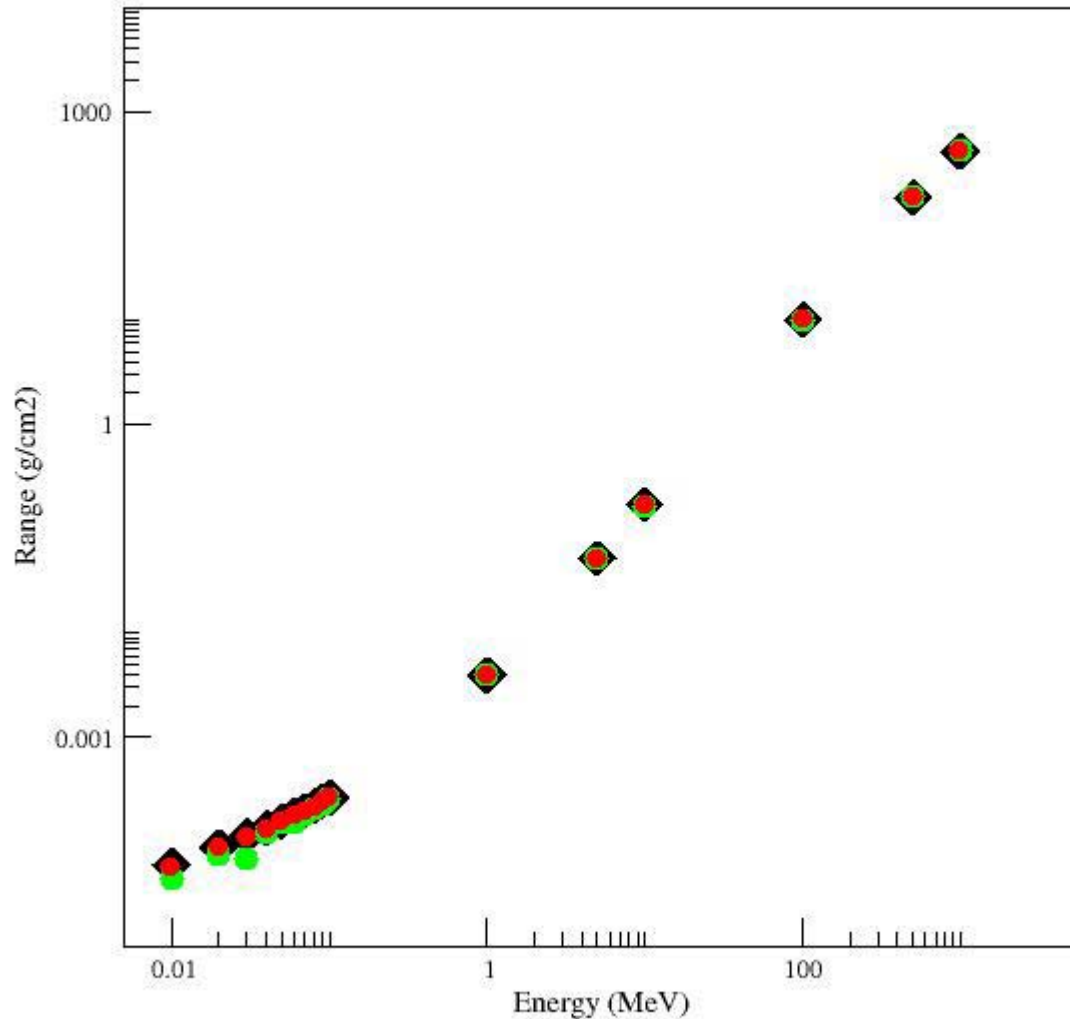
● Geant4-05-02



# CSDA Range – Al –G4LowE Ziegler

Protons - CSDA Range - Aluminium

Regression Testing - G4LowE Ziegler



◆ NIST-PSTAR

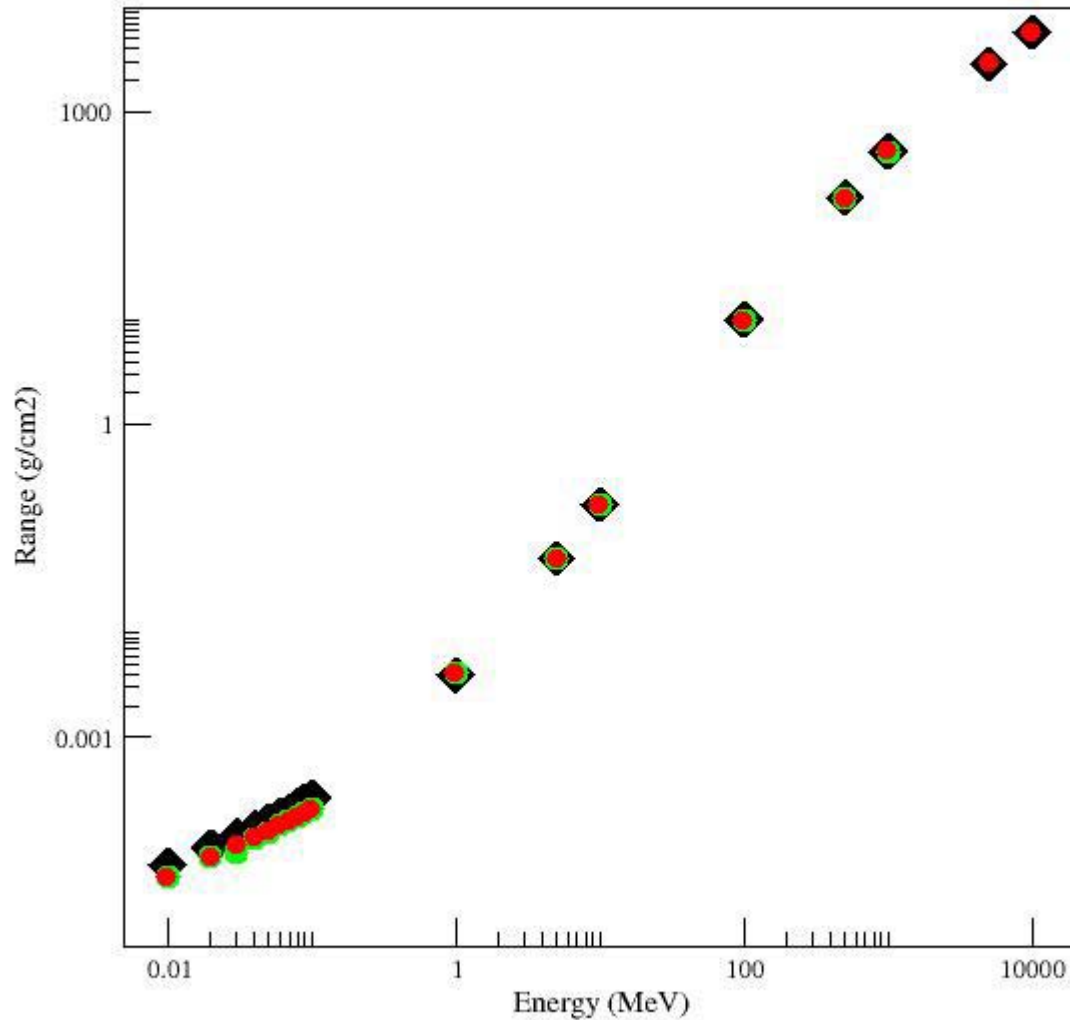
● Geant4-05-00

● Geant4-05-02

# CSDA Range – Al –G4Standard

Protons - CSDA Range - Aluminium

Regression Testing - G4Standard



◆ NIST-PSTAR

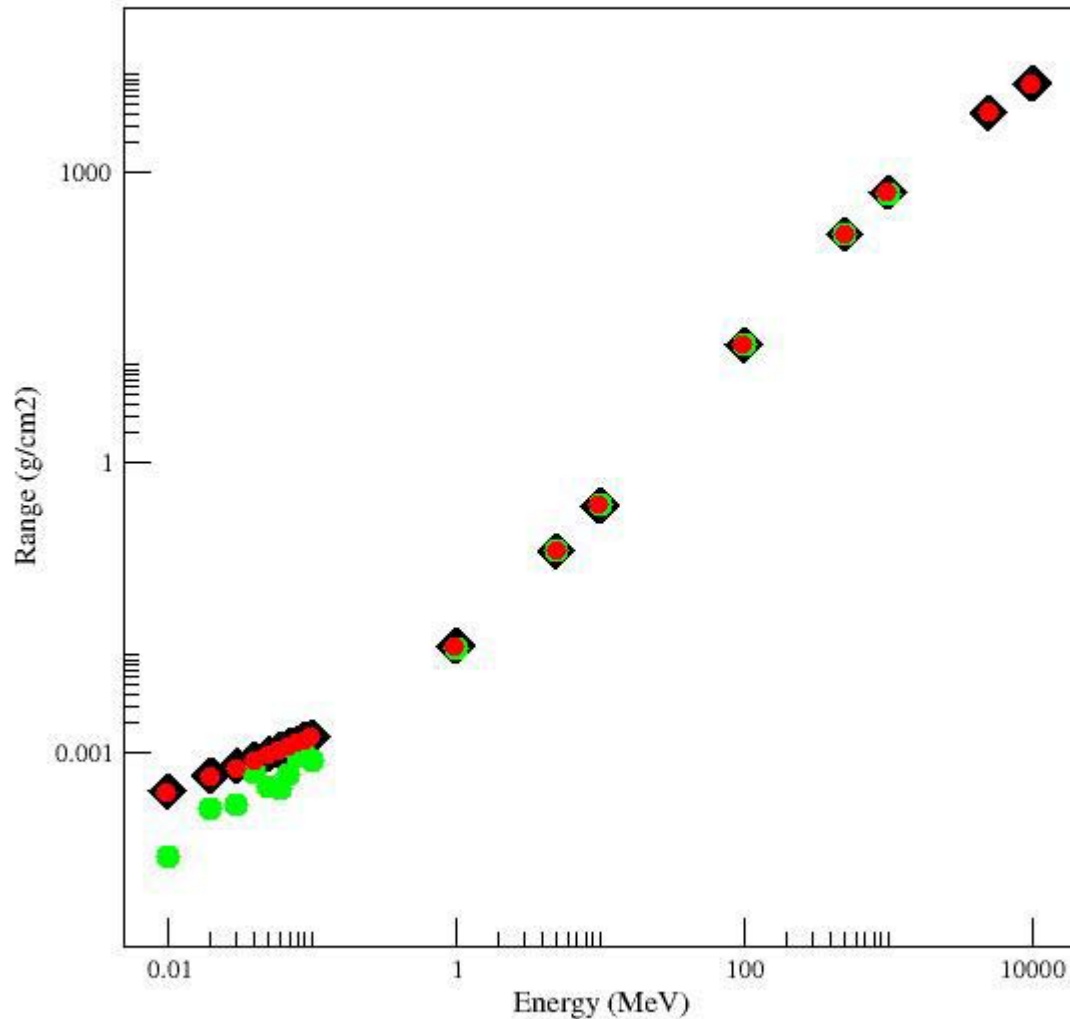
● Geant4-05-00

● Geant4-05-02

# CSDA Range – Au –G4LowE

Protons - CSDA Range - Gold

Regression Testing - G4LowE



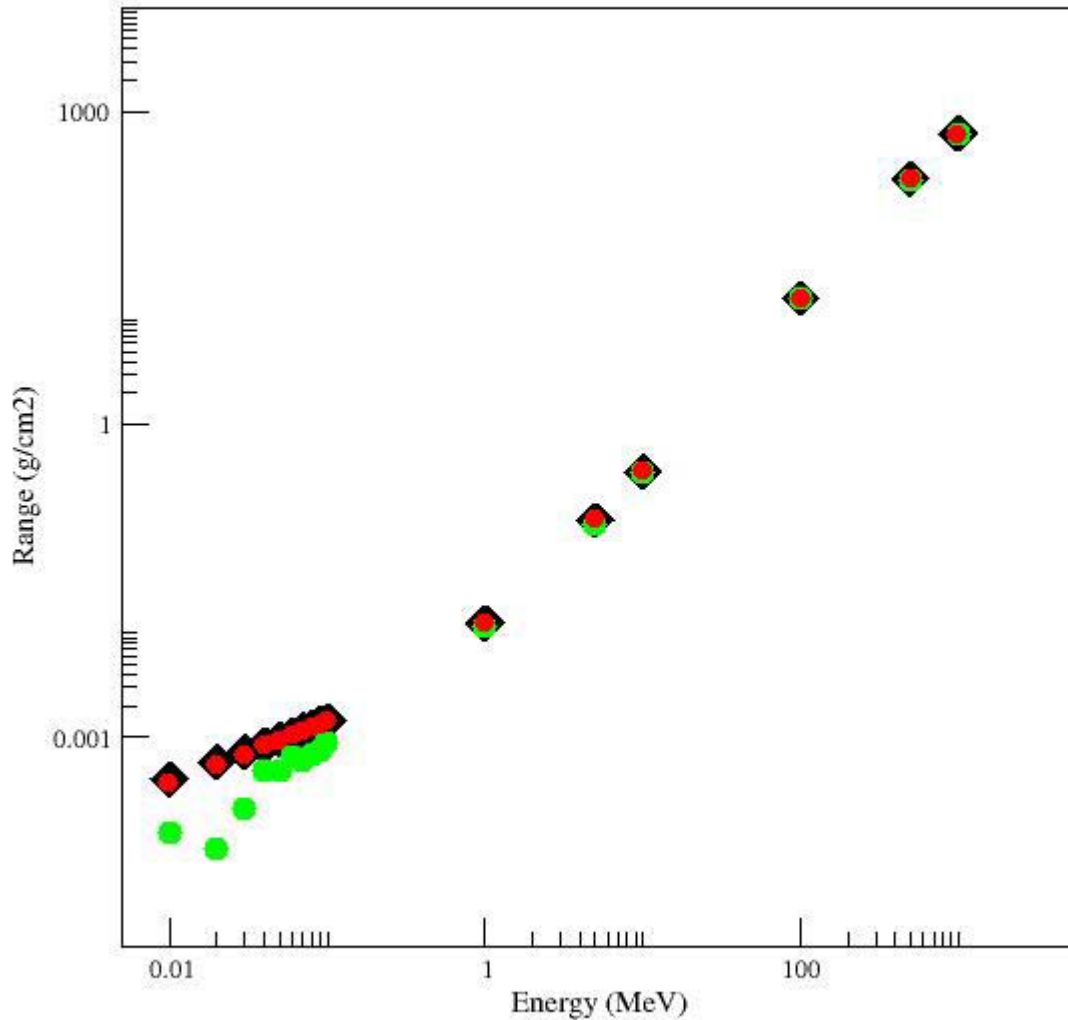
◆ NIST-PSTAR

● Geant4-05-00

● Geant4-05-02

# CSDA Range – Au–G4LowE Ziegler

Protons - CSDA Range - Gold  
Regression Testing - G4LowE Ziegler

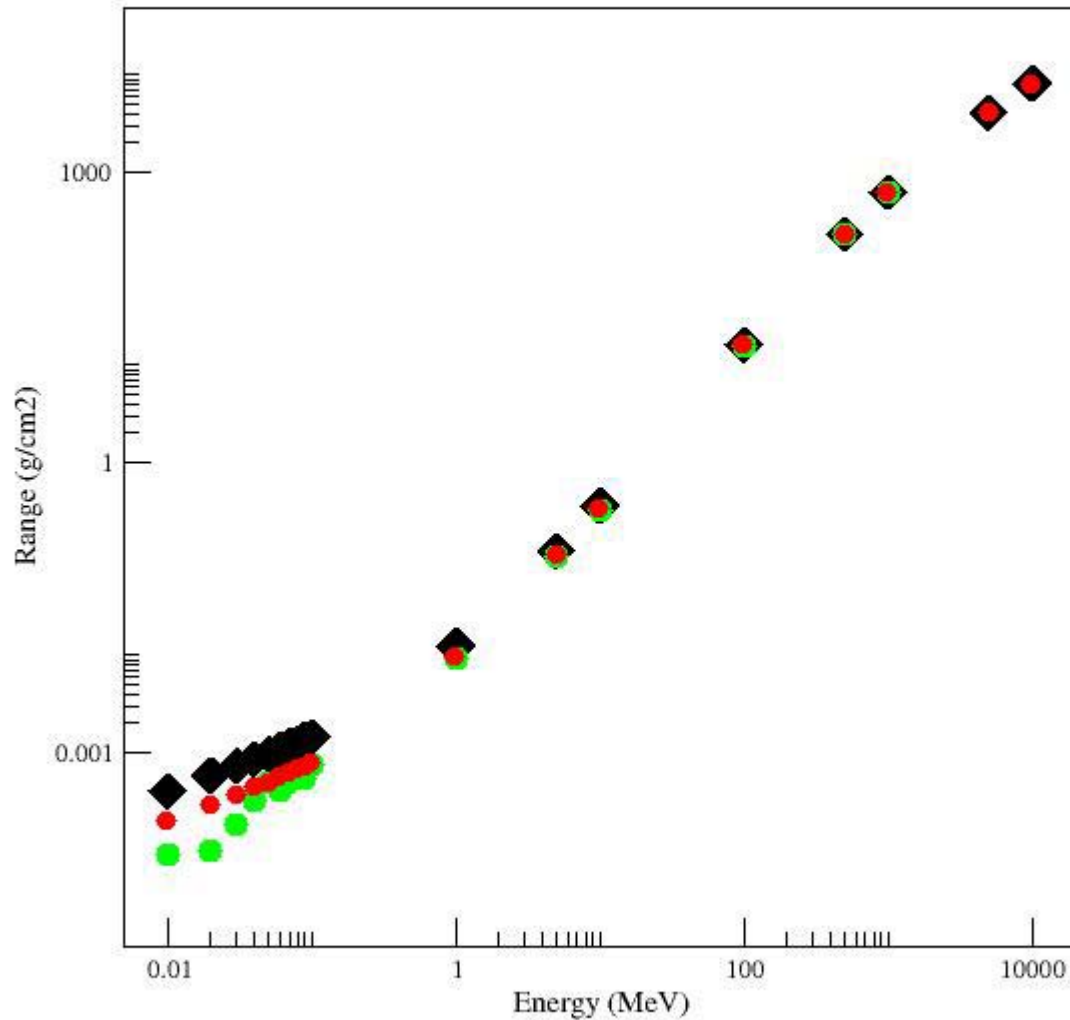


- ◆ NIST-PSTAR
- Geant4-05-00
- Geant4-05-02

# CSDA Range – Au –G4Standard

Protons - CSDA Range - Gold

Regression Testing - G4Standard



◆ NIST-PSTAR

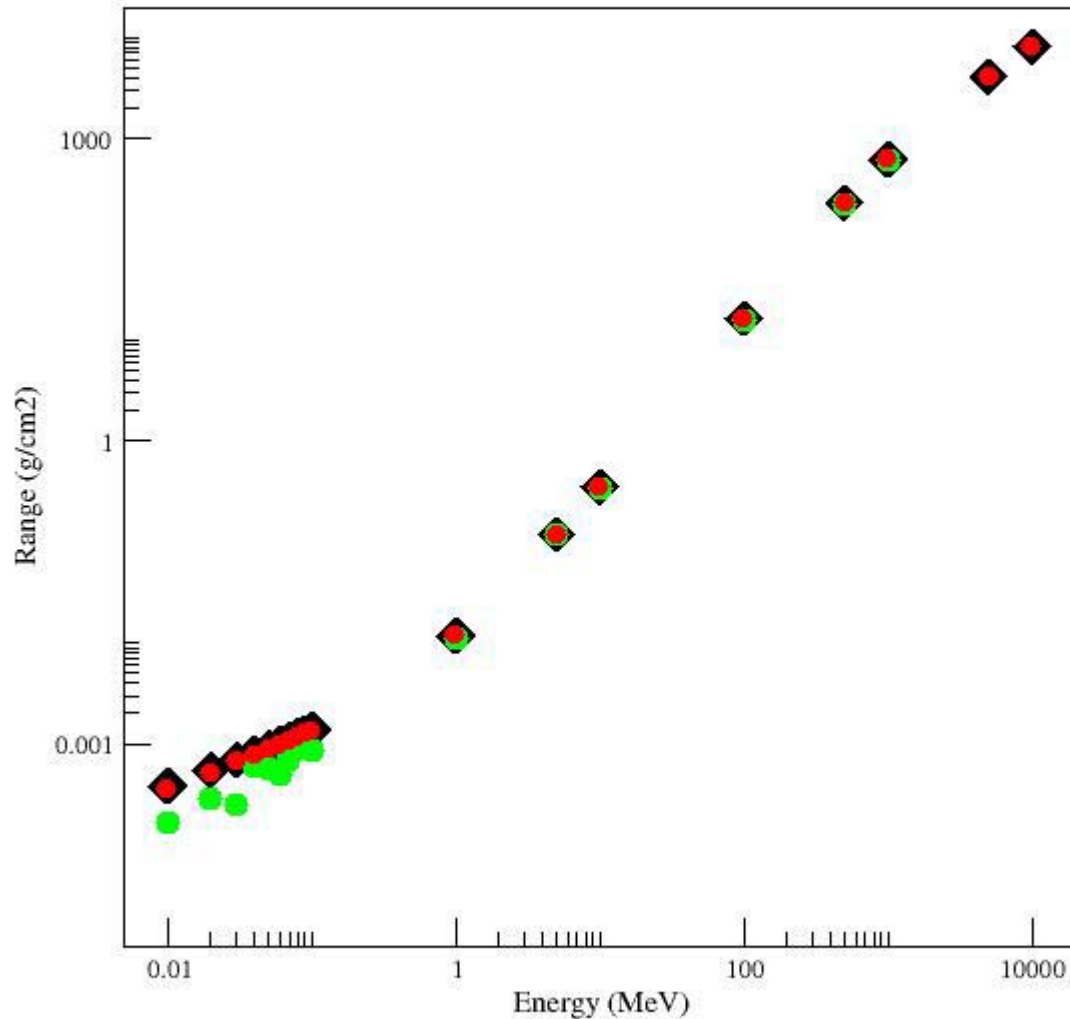
● Geant4-05-00

● Geant4-05-02

# CSDA Range – Pb –G4LowE

Protons - CSDA Range - Lead

Regression Testing - G4LowE



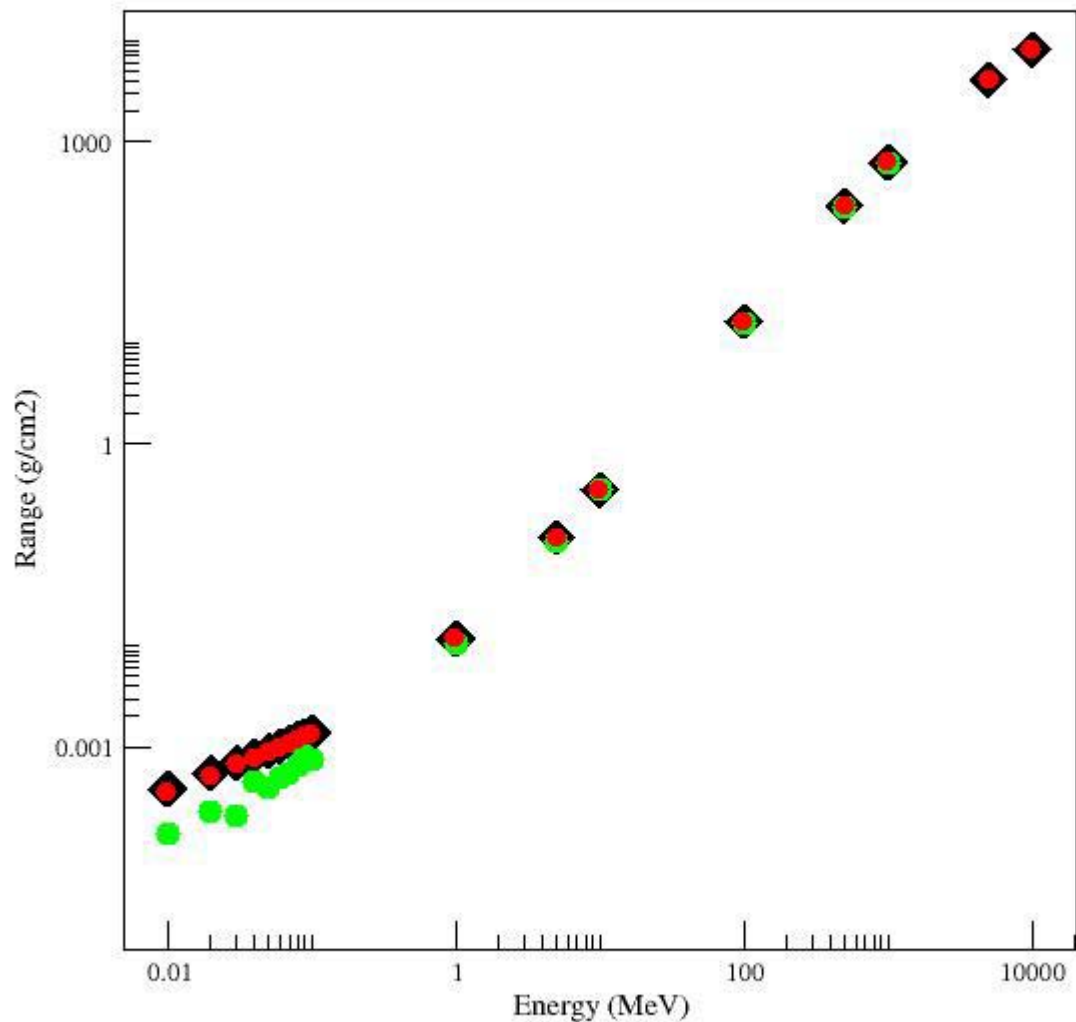
◆ NIST-PSTAR

● Geant4-05-00

● Geant4-05-02

# CSDA Range – Pb –G4LowE Ziegler

Protons - CSDA Range - Lead  
Regression Testing - G4LowE Ziegler

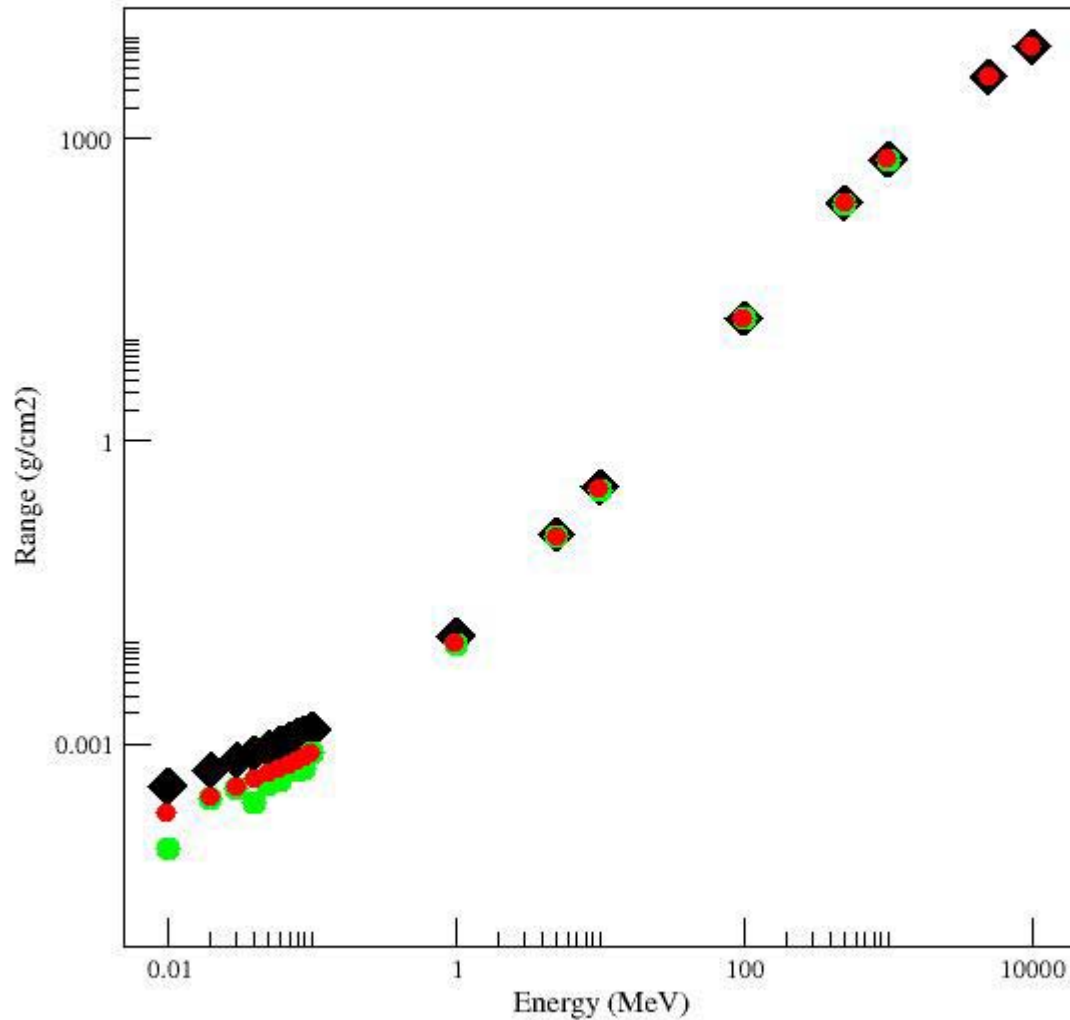


- ◆ NIST-PSTAR
- Geant4-05-00
- Geant4-05-02

# CSDA Range – Pb –G4Standard

Protons - CSDA Range - Lead

Regression Testing - G4Standard



◆ NIST-PSTAR

● Geant4-05-00

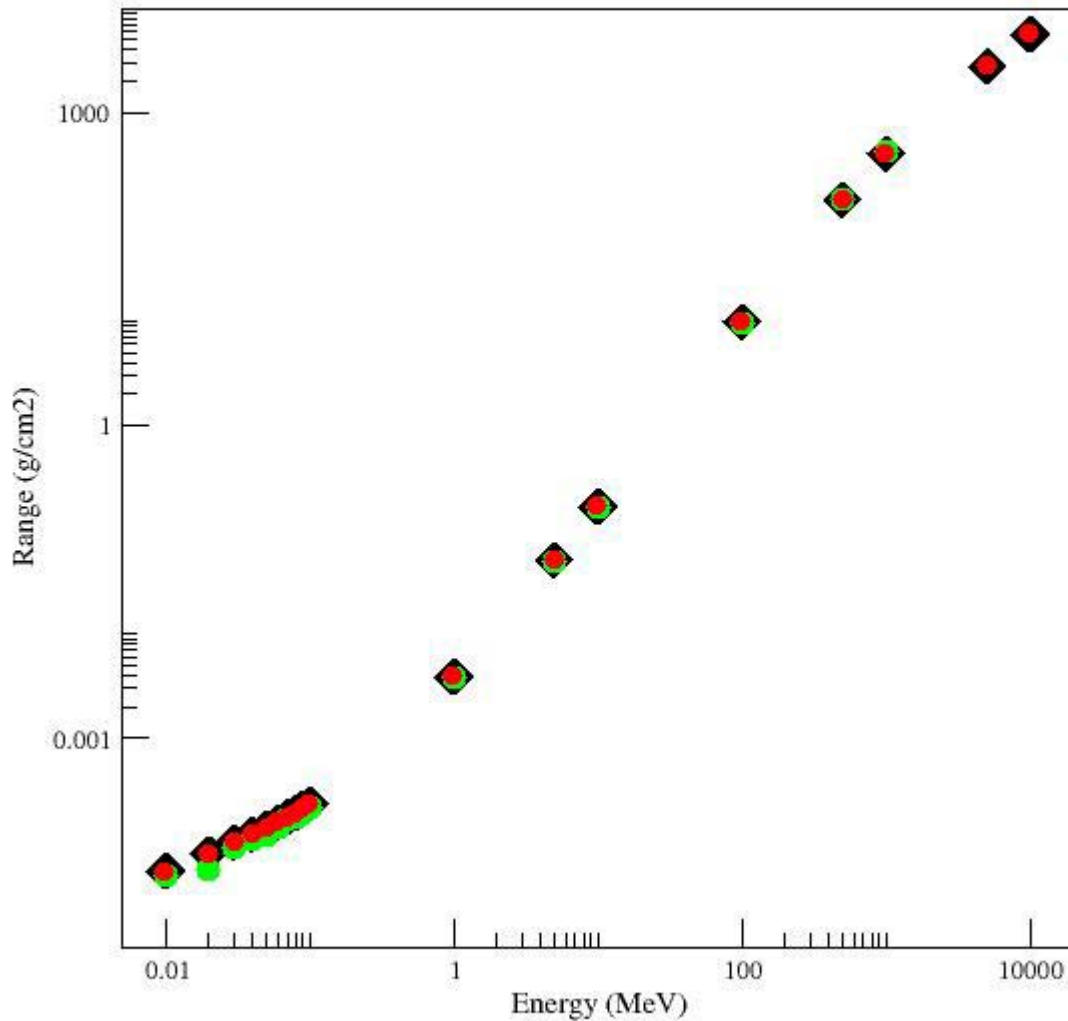
● Geant4-05-02



# CSDA Range – Si –G4LowE

Protons - CSDA Range - Silicon

Regression Testing - G4LowE



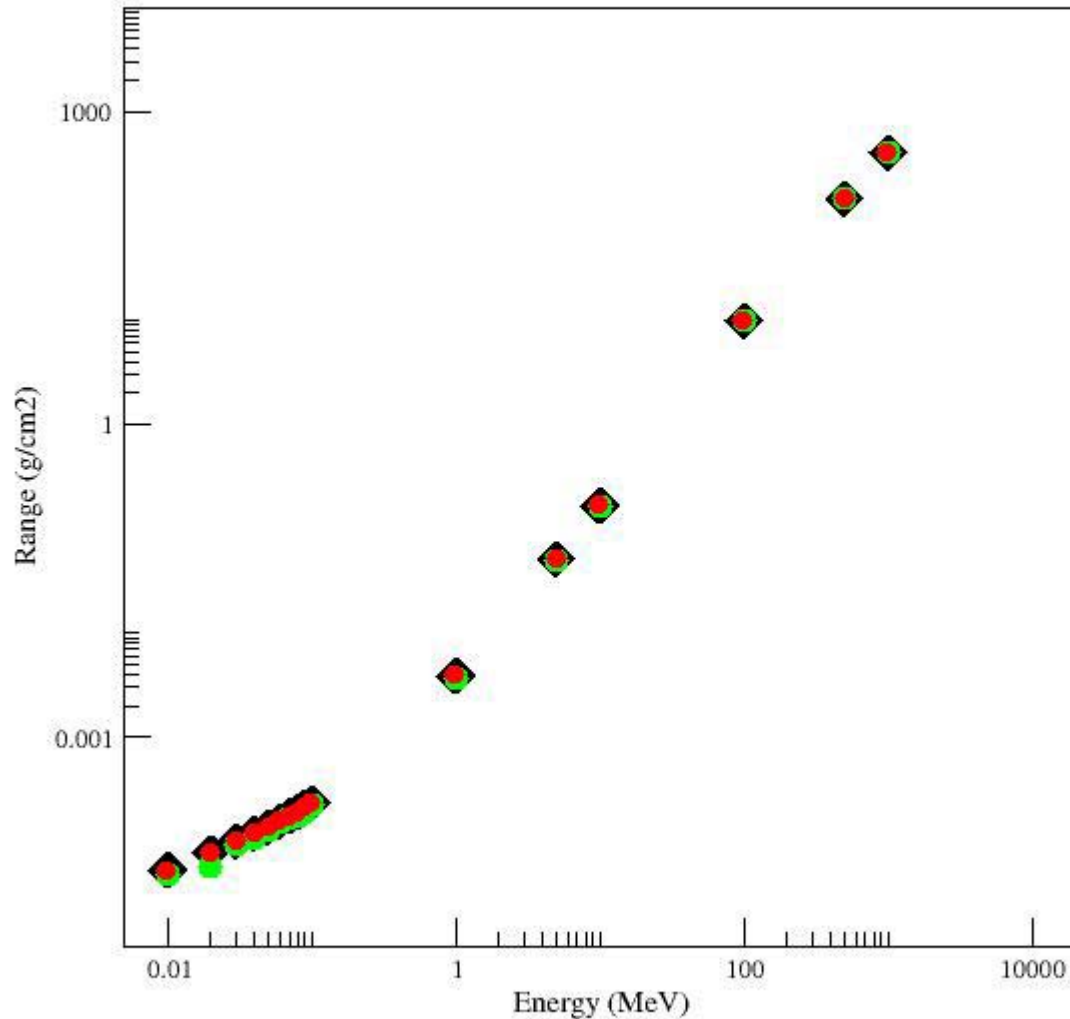
◆ NIST-PSTAR

● Geant4-05-00

● Geant4-05-02

# CSDA Range – Si –G4LowE Ziegler

Protons - CSDA Range - Silicon  
Regression Testing - G4LowE Ziegler

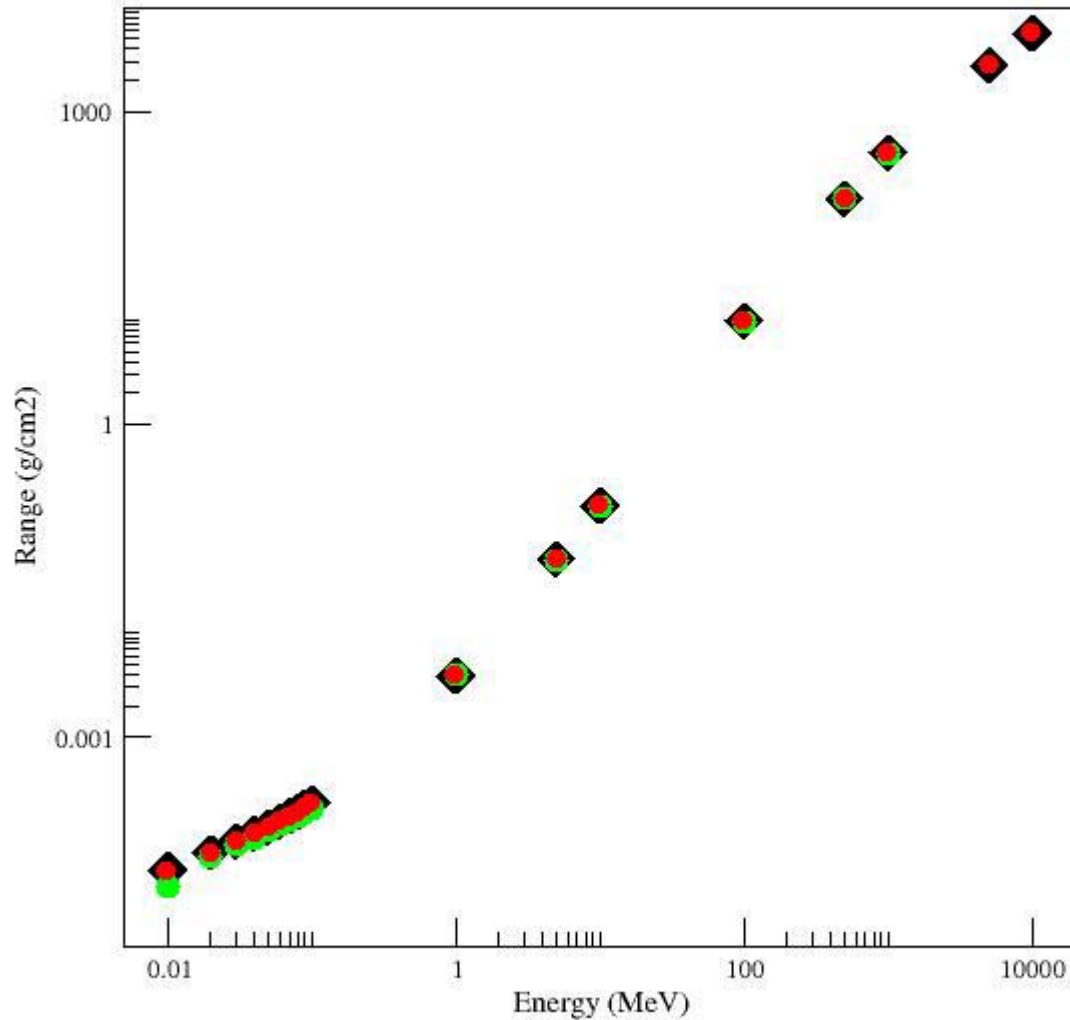


- ◆ NIST-PSTAR
- Geant4-05-00
- Geant4-05-02

# CSDA Range – Si –G4Standard

Protons - CSDA Range - Silicon

Regression Testing - G4Standard



◆ NIST-PSTAR

● Geant4-05-00

● Geant4-05-02

