$\label{eq:material} \begin{aligned} &\text{Material} = \text{Tungsten, IHED data Tungsten} \\ &r_0 {=} 19.24 \text{ (g/cm}^3\text{), Us (km/s)} {=} 3.99 {+} 1.28 \text{up-} 0.004937 \text{up}^2 \end{aligned}$

