
```
m_p = 1.67*10e-27;  
q = 1.6*10e-19;  
r = 0.5;  
B=2;  
E_k=0.5*((q^2*B^2*r^2)/(m_p))  
E_kmev=E_k*6241509341896.7  
%E_k = 7.6647e-11 joule  
%E_kmev = 478.3911 MeV
```

$E_k =$

$7.6647e-11$

$E_{kmev} =$

478.3911

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