

${}^3\text{He}(e,e)$ 

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. E. Purcell <sup>#</sup> , C. G. Sheu <sup>*</sup>		NDS 130 1 (2015)	30-Jun-2015

The following table lists references for electron scattering from  ${}^3\text{He}$ :

In (1994Am07), the three experiments reported in (1982Ca15,1985Ju01,1992Am04) for electron scattering from  ${}^3\text{H}$  and  ${}^3\text{He}$  are described and a complete set of cross sections, electric and magnetic form factors are obtained. Also,  $T=0$ , 1 form factors are obtained and compared with  $A=2$ , 4 form factors. Also see (2005Go26) for electric and magnetic form factors for  ${}^3\text{H}$  and  ${}^3\text{He}$  as well as  $T=0$ , 1 form factors and comparison with theory.

Reference	$Q^2$ (fm <sup>-2</sup> )	Comments
1965Co08	1-8	$r_c=1.87$ fm 5, $r_m=1.79$ fm 10
1970Mc20, 1977Mc03	$\leq 20$	Measured charge and magnetic form factors; $r_c=1.88$ fm 5, $r_m=1.95$ fm 11
1972Be65	8.8-15.6	Measured charge and magnetic form factors
1977Sz02	0.032-0.34	$r_c=1.89$ fm 5
1978Ar05	18-77	Measured structure function
1982Ca15	7.3-31.7	Measured magnetic form factor
1983Du01	0.7-11	$r_c=1.935$ fm 30, $r_m=1.935$ fm 40
1985Ot02	0.2-3.7	$r_c=1.976$ fm 15, $r_m=1.99$ fm 6
1987Be30	0.09-8.26	Measured isoscalar, isovector form factors
1992Am04	1.0-25.6	Measured charge and magnetic form factors

 ${}^3\text{He}$  Levels

<u>E(level)</u>	<u><math>J^\pi</math></u>
0.0	1/2 <sup>+</sup>