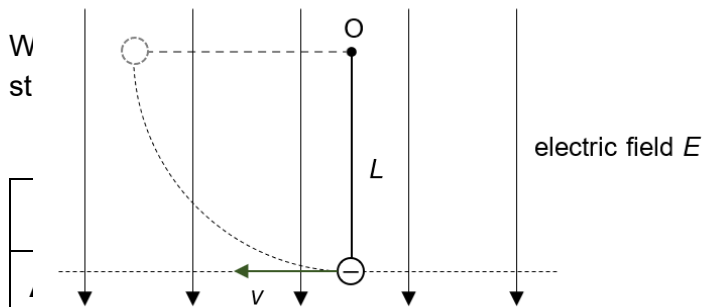


- 10 A negatively charged sphere of mass  $m$  and charge  $-q$  is suspended from a point O by a light inextensible string of length  $L$  and placed in a vertical uniform electric field of field strength  $E$ . It is projected with an initial horizontal velocity  $v$  which is just sufficient for the sphere to reach a vertical height  $L$ .



ne  $W$  by tension on the sphere due to the system.

<b>B</b>	<input type="checkbox"/>	$qEL$
<b>C</b>	<input type="checkbox"/>	$+qEL$
<b>D</b>	0	$+qEL$

