

Vacuum

$y = 0$

$y$

Quantum Hall state

$x$



The diagram illustrates a physical system in a 2D coordinate system. The horizontal axis is labeled  $x$  and the vertical axis is labeled  $y$ . A gray rectangular region, representing the 'Quantum Hall state', is shown. The top boundary of this region is at  $y = 0$ . The area above this boundary is labeled 'Vacuum'. The text 'Quantum Hall state' is centered within the gray region.