

The fractional quantum Hall effect (FQHE) is seen in low temperature, high magnetic field 2-dimensional samples. There are several different 'plateaus', exhibiting various behaviours.

The 'smallest' fusion categories appear to describe the first few FQHE states.

$$\frac{5}{2} \cong SU(2)_2 \quad \frac{12}{5} \stackrel{?}{\cong} SU(2)_3$$

