Do elementary particles with a non-zero spin truly rotate? Well, what do physicists mean by "elementary"? Not further divisible into smaller parts;

which means elementary particles have NO details at all,
hence perform that could be qualified as a Prime Meridian<sup>1</sup>.
It is not correct to say they are actually pirouetting,
& it is also incorrect to say they don't.

**Rotation of elementary particles is a meaningless concept.** 

They do not revolve and they do not not revolve. They both don't and don'tn't & they neither don't nor don'tn't.

**One should not try to answer senseless/silly questions!** 

<sup>&</sup>lt;sup>1</sup> Maybe you like to read: <u>http://henk-reints.nl/HR-Greenwich-Meridian.pdf</u>

## Intrinsic rotation cannot and does not exist at all.

Spin—spin—orbit resonance (like the Pluto—Charon system) exists only at the macroscopic level; meridianless objects cannot rotate face-to-face.

Ultimately, the elementary particles constituting Pluto & Charon do not pirouette and neither do any atoms, hence there is NO intrinsic rotation in this system, nor anywhere else in the cosmos.

Circular motion (e.g. an orbit) consists of two perpendicular harmonic oscilliations with a 90° phase difference.

Macroscopic rotation is considered absolute, but it merely is a combination of linear oscillations.