



$$2\nu_A(\text{PS}) + \nu_P = (8742.84 \pm 0.16 \pm 0.055) \text{ cm}^{-1}$$

$$\nu_A(\text{PS}) + \nu_P = (4663.27 \pm 0.013 \pm 0.055) \text{ cm}^{-1}$$

$$\nu_A(\text{PS}) = (4079.57 \pm 0.18) \text{ cm}^{-1} [44 \text{ ppm}]$$

Measurement of the Mass of the Axion to 44 ppm