Connect fluorescent tube to induction coil. With opaque cross in upward position, start induction coil. Reverse polarity of emf induced by coil, noting that for one polarity the cross casts a distinct shadow on the end of the tube. Observe that the shadow disappears, regardless of polarity, when the cross is in the downward position.

Note: One can of course show the shadow by using a high frequency spark coil instead of the induction coil, but no effect of polarity can be demonstrated.

Warning: Do not allow spark to jump to glass; there is danger of puncture.