Experimental Protocol (Teacher Version)

*Teachers:* This is the official lab protocol. You might not have all of it memorized, depending on your experience with this specific experiment.

**Press the reset button.**

Begin by **plugging in channel 1** on the right-hand box and **input 1** on the left-hand box. Then, plug in **output**. These three plugs represent the primary inputs and outputs of the experiment: the rest of the lab is about tuning the symbol.

Now that these components are connected, **turn on power**. It’s important to have the power off when handling the inputs and outputs from the last section, for safety reasons.

Select channel 1 by **pressing button 1**. Also, **flip the polarity switch.** This sets up the basic output chain.

Tune the width of channel 1 by turning **W1 all the way to the left**. Further modify the width by plugging in **shape** on the left-hand box.

Tune the timing of the circuit by **plugging in trigger 1** and flipping **the left-hand of the two coincidence switches**.

**Turn B and D to the left and C to the lower right.** This adjusts the amplification and phase of the signal.

Finally, **plug in gamma, pi, and sigma**. These are additional outputs of the experiment that can now be used to take data.

***This is the end of the procedure.***