

Gamma Gamma

- _____ Connect Photo Multiplier (PMT) output to the Delay Amplifier (DDL AMP) input.
- _____ Connect DDL AMP output to the Timing Single Channel Analyzer (TSCA) input.
- _____ Connect DDL AMP output (splitted) to ORTEC DELAY AMP input.
- _____ Connect ORTEC DELAY AMP output to DB input (Spectrum Ch A, B).
- _____ Connect TSCA output (POS) to DB input (Coincidence Channel).
- _____ For Channel A, connect TSCA output (negative) to Time to Amplitude Converter (TAC) start.
- _____ For Channel B, connect TSCA output (negative) to DELAY input and the connect DELAY output to TAC stop.
- _____ Connect TAC output (TPHC) to DB input (spectrum C).
- _____ Connect TAC output (SCA) to DB input (Coincidence C).
- _____ Switch on the power voltage (Device on the bottom) to 510 V. Remember the voltage has to be kept on for the duration of the experiment.
- _____ Important: check the distance of the radioactive source from the PMTs before starting data acquisition, make sure the source is equally distant from both the two PMT.

