1. Before you go
   1. Technical
      1. Beam characteristics available (energy, flux, fluence, structure)
         1. May include limits of fluence levels to be tested
      2. Irradiation area/collimation
      3. User area
      4. Dosimetry
      5. Beam stop
   2. Logistics
      1. Contracts
      2. Shipping
      3. Cabling distances/options
      4. Internet?
2. Arriving at the facility
   1. HIPAA
   2. Radiation safety
   3. Unpacking equipment
   4. Power (outlets)
3. Setting up
   1. Dosimetry check
   2. Mounting the test fixture
   3. Beam area/collimation
   4. Cabling
   5. User area
   6. Training on entry/exit from beam room
4. Running the beam
   1. Setting beam parameters (energy, flux, fluence, time, etc…)
      1. Converting monitor units (MUs) or Dose to flux/fluence
   2. Start/stop methods (fluence, time, event)
   3. Who controls the beam?
5. Run protocol
   1. Verify electrical test operation
   2. Verify beam parameters (check that run numbers are the same on test system and beam control)
   3. Start test system
   4. Start beam
   5. Stop beam (on set time, fluence, or event)
   6. Log test results; log run dosimetry
   7. Repeat or modify as needed
6. Changing things
   1. Replacing parts or new boards
      1. Activation check and irradiated part storage
   2. Changing energy, flux, etc…
   3. Changing angles
7. Post test
   1. Confirm all logs are stored and saved (backups are good)
   2. Check HW activation
   3. Return shipping coordinated with facility (paid by user)
8. Some good ideas
   1. Canary test – Have a part with known susceptibility to check for consistency if different facility
   2. Have backup plans