CHECKLIST

Scintillation detector setup and maintenance checklist

- [ ] Set the high voltage to the recommended value for your photomultiplier tube
- [ ] Place a check source in front of the crystal and confirm the energy peak appears in the correct channel
- [ ] Record a background spectrum with no source present and save it for later comparisons
- [ ] Recalibrate weekly if you need accurate energy measurements, monthly for routine surveys
- [ ] Operate the detector away from bright light to avoid overloading the photomultiplier
- [ ] Review the energy spectrum rather than relying on total counts alone
- [ ] Inspect the crystal housing regularly for cracks or signs of moisture damage