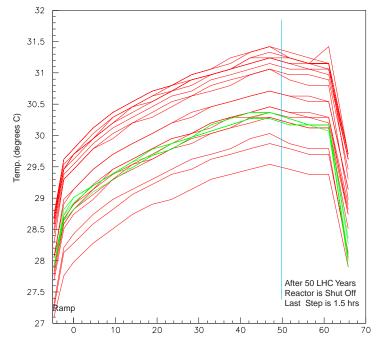
Thermistors June 11, 2000

Thermistors (Panasonic NTC thermistors $33K\Omega$, and Cornerstone NTC thermistors $33K\Omega$) were irradiated in the O.S.U. reactor for 50 minutes (at 20 KW power) receiving a total dose of 50 LHC years worth of radiation. No degradation of the devices was observed. Shown below is the temperature measure in the 19 Panasonic (red) and 5 Cornerstone devices (green) as a function of radiation. It is seen that the thermistors slowly warm up during irradiation but basically return to room temperature afterwards. The thermistors were also retest for correct measurements at 25° , 50° , and $85^{\circ}C$.



Radiation (LHC Years)