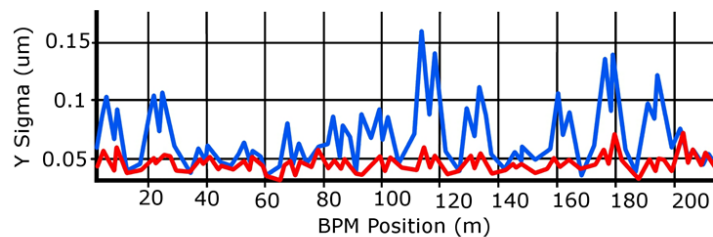
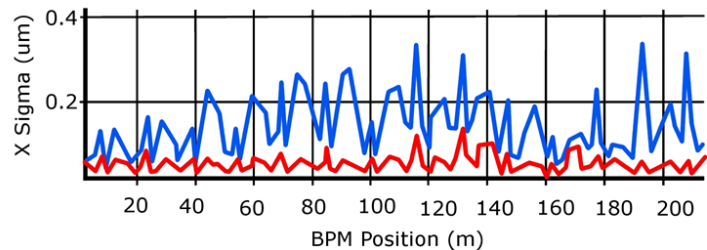
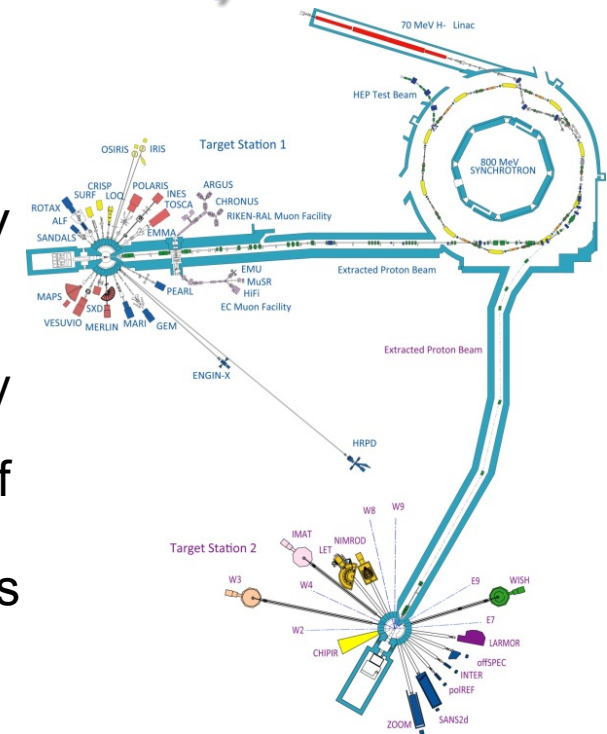


Sean Murphy – ISIS (STFC)

- I am presently an electrical design engineer at ISIS neutron spallation source, part of STFC, located at the Rutherford Appleton Laboratory in the UK
- Previously worked at The Australian Synchrotron, a 3GeV light source in Melbourne
- One of the projects I worked on at The Australian Synchrotron was to improve the long term current stability of the storage ring dipole power supply. It was improved down to $\pm 23\text{ppm}$ from $\pm 50\text{ppm}$ following the installation of a new controller.
- The component beam position (μm) was also improved as a result:



Beam position before (blue) and after (red) the controller upgrade

