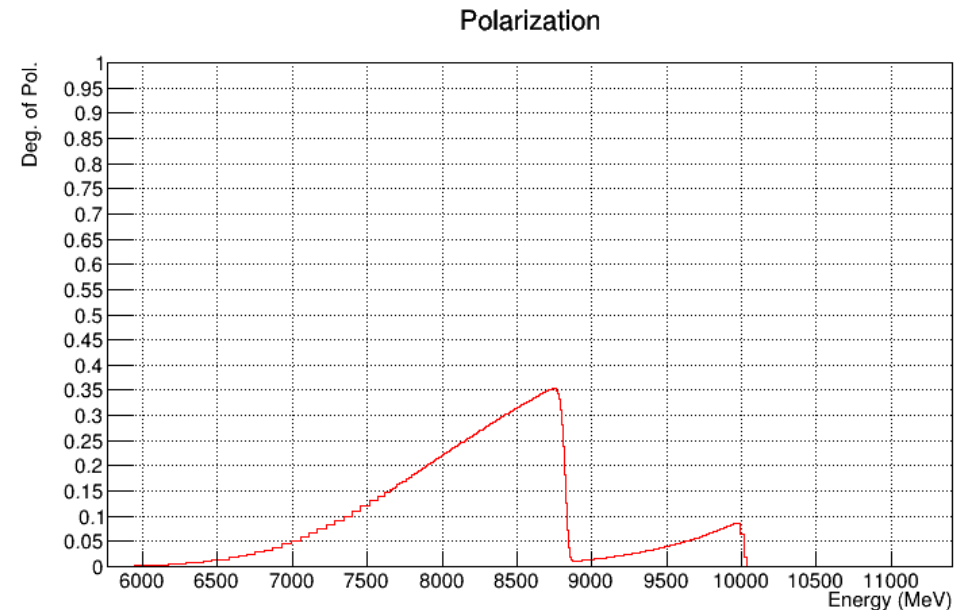
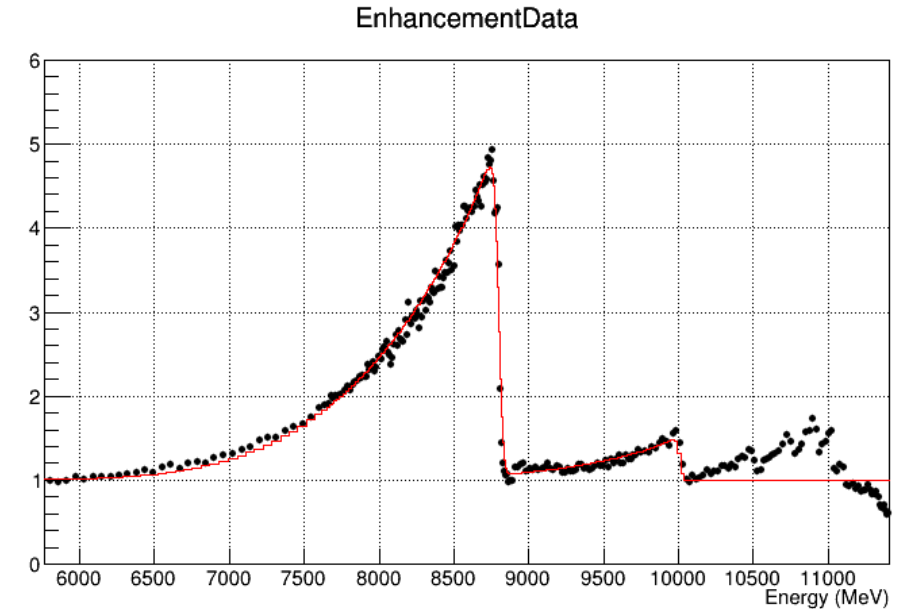


Modelling Beam Polarisation Data using Enhancement Fit Parameters

Jamie Fitches

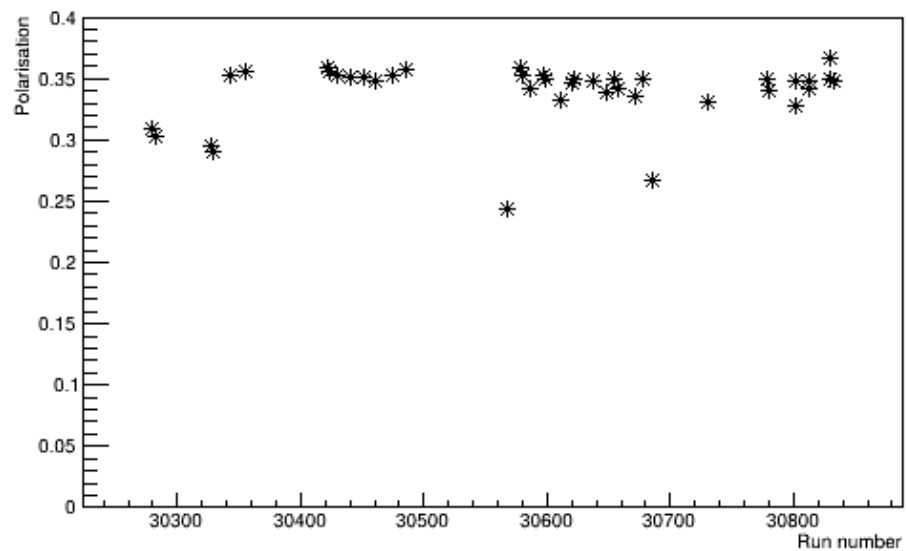
Introduction

- ▶ Divide coherent photon beam spectrum by incoherent spectrum to obtain enhancement data
- ▶ Run fitting code on enhancement data (note that code only fits one secondary peak)
- ▶ Predict resulting polarisation profile using fit parameters (see K. Livingston, 'Polarization from Coherent Bremsstrahlung Enhancement')
- ▶ Sample of 178 runs from the spring 2017 run period analysed
- ▶ Analysis results available at:
http://nuclear.gla.ac.uk/~jamesf/CBrem_HTML_NoBadFits/CBrem_NoBadFits.html

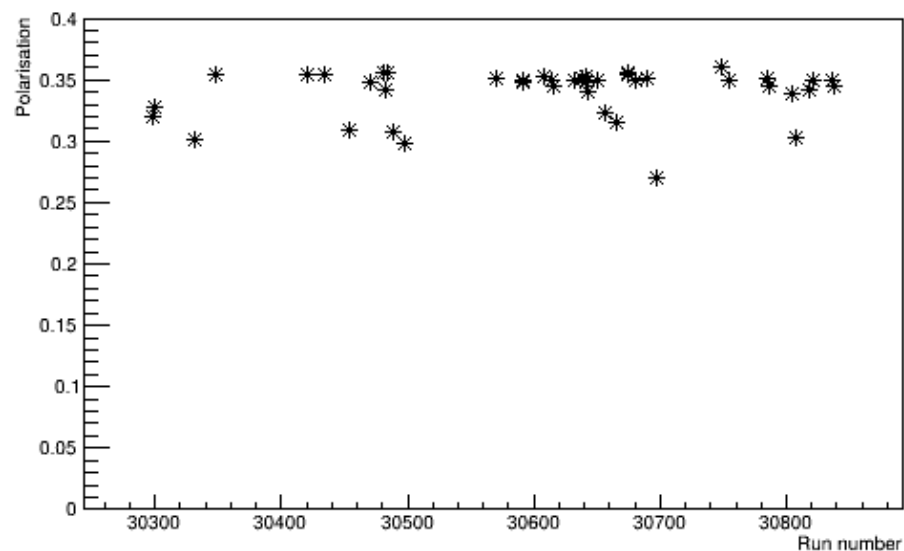


Peak Polarisation

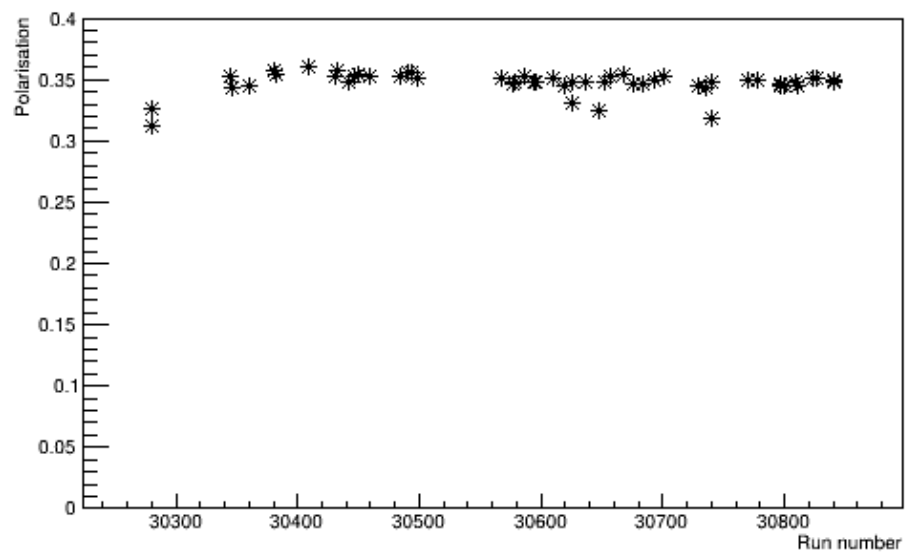
Pol_0 Peak Polarisation Timeline



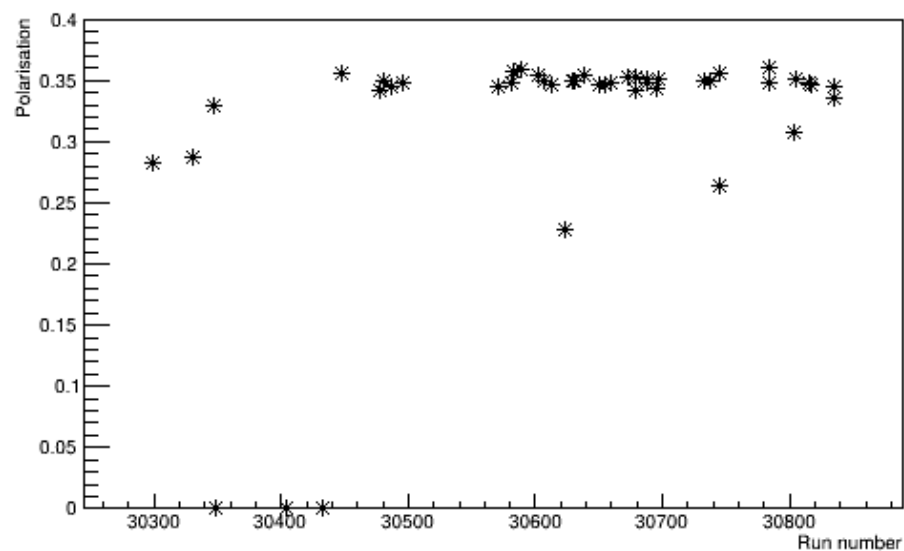
Pol_45 Peak Polarisation Timeline



Pol_90 Peak Polarisation Timeline



Pol_135 Peak Polarisation Timeline



Comparison with Rho Measurements

