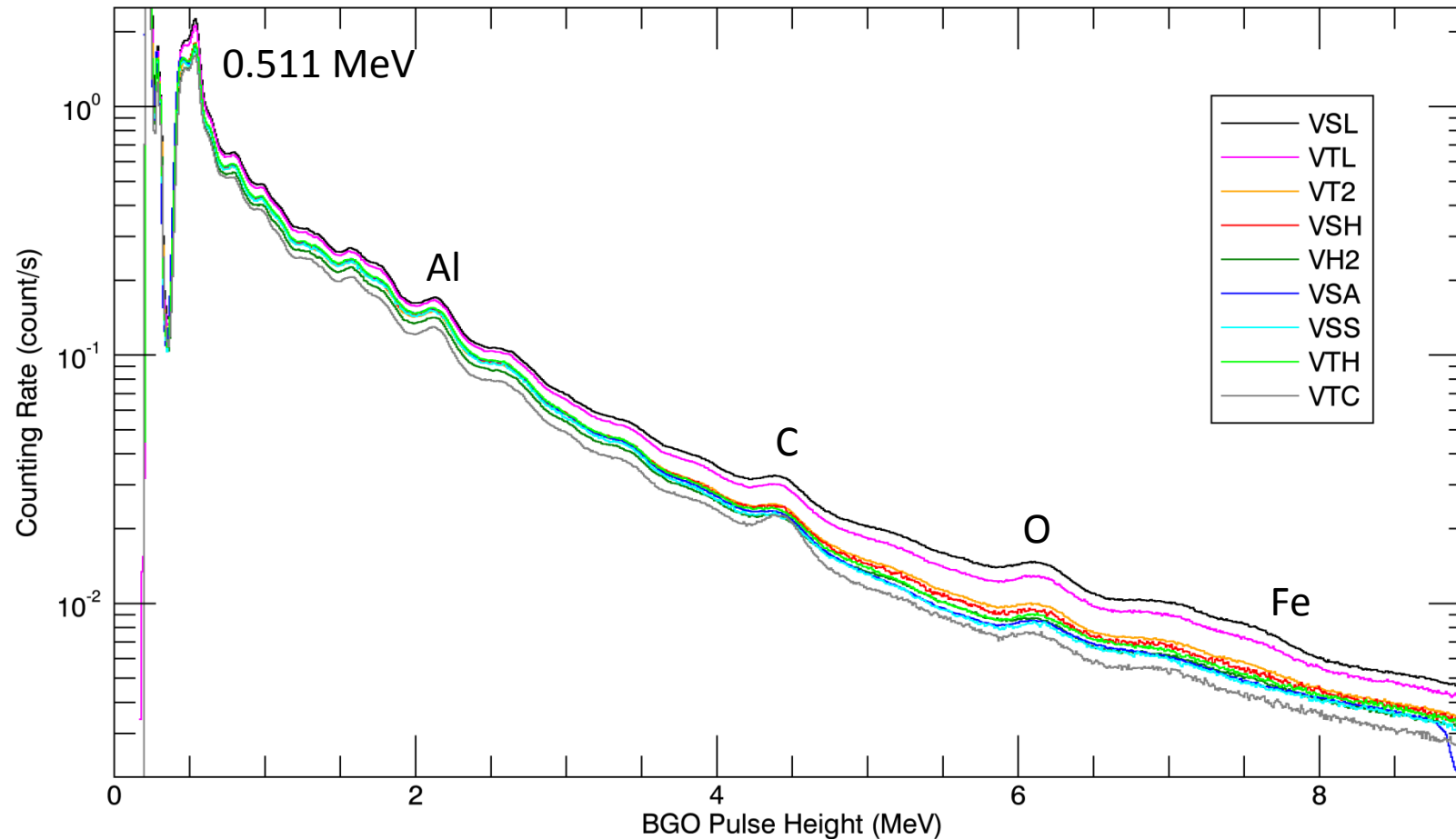


# Gamma ray spectra by mission sub-phase



## Orbit abbreviations:

- HAMO – High Altitude Mapping Orbit
- HAMO2 – Second High Altitude Mapping Orbit
- LAMO – Low Altitude Mapping Orbit

## Mission phase abbreviations:

- VSA – Vesta Science Approach
- VSS – Vesta Science Survey
- VTH – Vesta Transfer to HAMO
- VSH – Vesta Science HAMO
- VTL – Vesta Transfer to LAMO
- VSL – Vesta Science LAMO
- VT2 – Vesta Transfer to HAMO2
- VH2 – Vesta HAMO2
- VTC – Vesta Transfer to Ceres

Gamma-ray pulse height spectra (BGO) averaged over each sub-phase of Vesta encounter. The prominent peaks in spectra include those from annihilation at 0.511 MeV, Al at 2.2 MeV, C at 4.4 MeV, and O at 6.1 MeV. The Fe neutron-capture peaks at 7.6 MeV are observed in spectra acquired in the vicinity of Vesta (e.g. VSL & VTL).