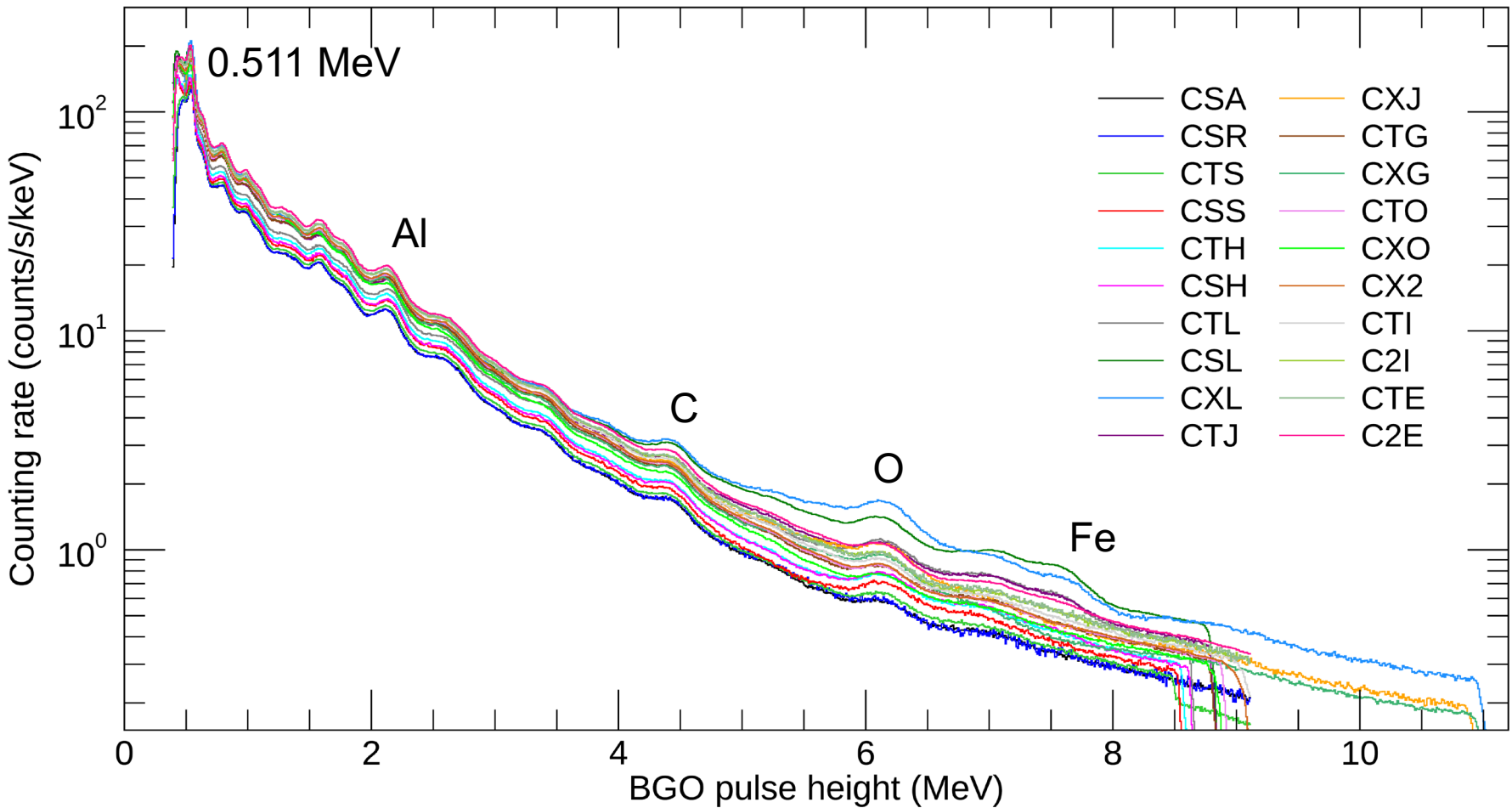


# Gamma-ray spectra by Ceres mission phase



- Abbreviations:
- RC3 Rotational Characterization 3
  - HAMO High Altitude Mapping Orbit
  - LAMO Low Altitude Mapping Orbit
  - GRaND Gamma Ray and Neutron Detector
  - X2 Extended mission 2
- Mission phase names:
- CSA Ceres Science Approach
  - CSR Ceres ScienceRC3
  - CTS Ceres Transfer to Survey
  - CSS Ceres Science Survey
  - CTH Ceres Transfer to HAMO
  - CSH Ceres Science HAMO
  - CTL Ceres Transfer to LAMO
  - CSL Ceres Science LAMO
  - CXL Ceres Extended LAMO
  - CTJ Ceres Transfer to Juling
  - CXJ Ceres Extended Juling
  - CTG Ceres Transfer to GRaND
  - CXG Ceres Extended GRaND
  - CTO Ceres Transfer to Opposition
  - CXO Ceres Extended Opposition
  - CX2 Ceres X2 Holding
  - CTI Ceres X2 Transfer to Intermediate
  - C2I Ceres X2 Intermediate
  - CTE Ceres Transfer to X2 Elliptical
  - C2E Ceres X2 Elliptical

Gamma-ray pulse height spectra (BGO) averaged over each sub-phase of Ceres encounter. For CXL, CXJ, and CXG, spectra acquired with the lower high-voltage configuration are shown. 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 Ceres (e.g., CSL & C2E).