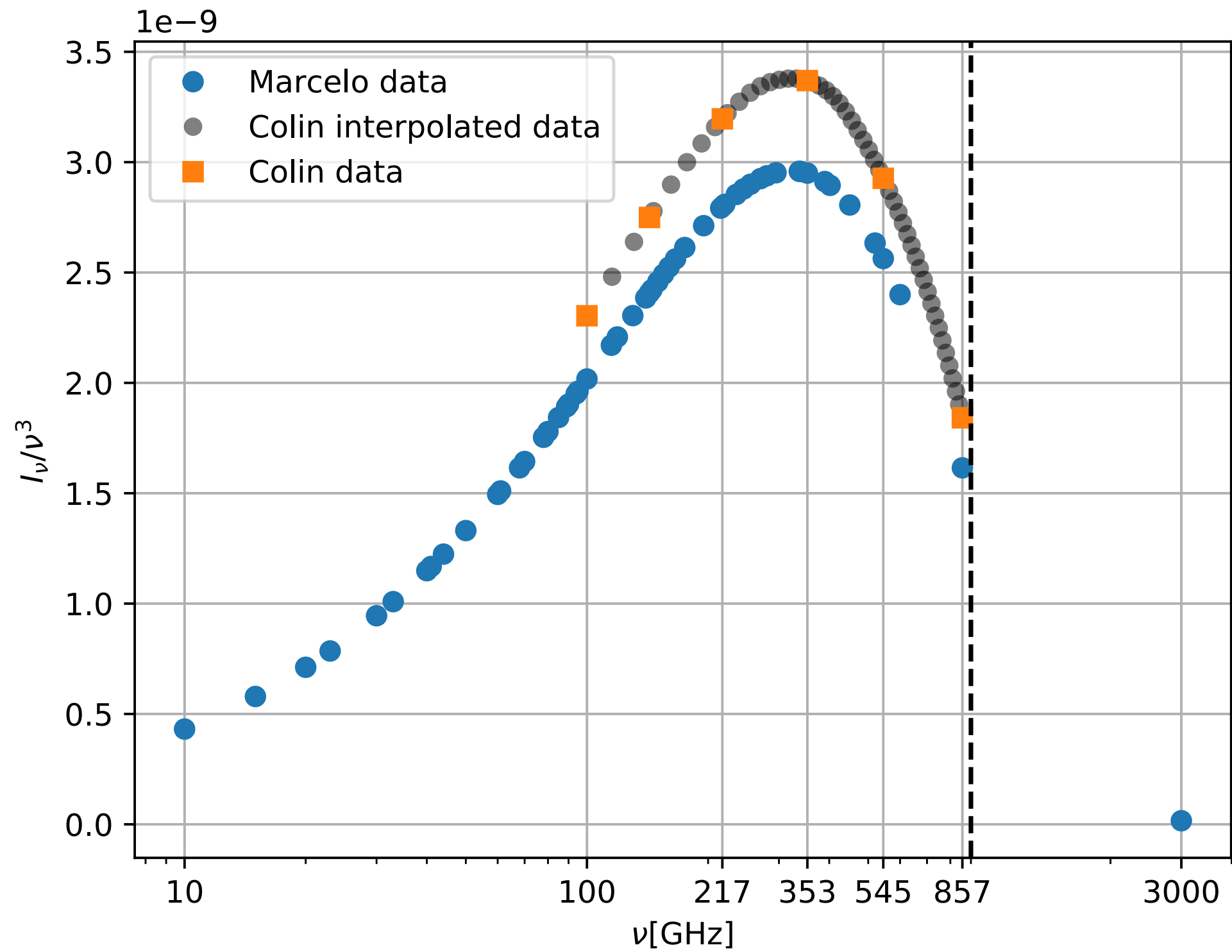
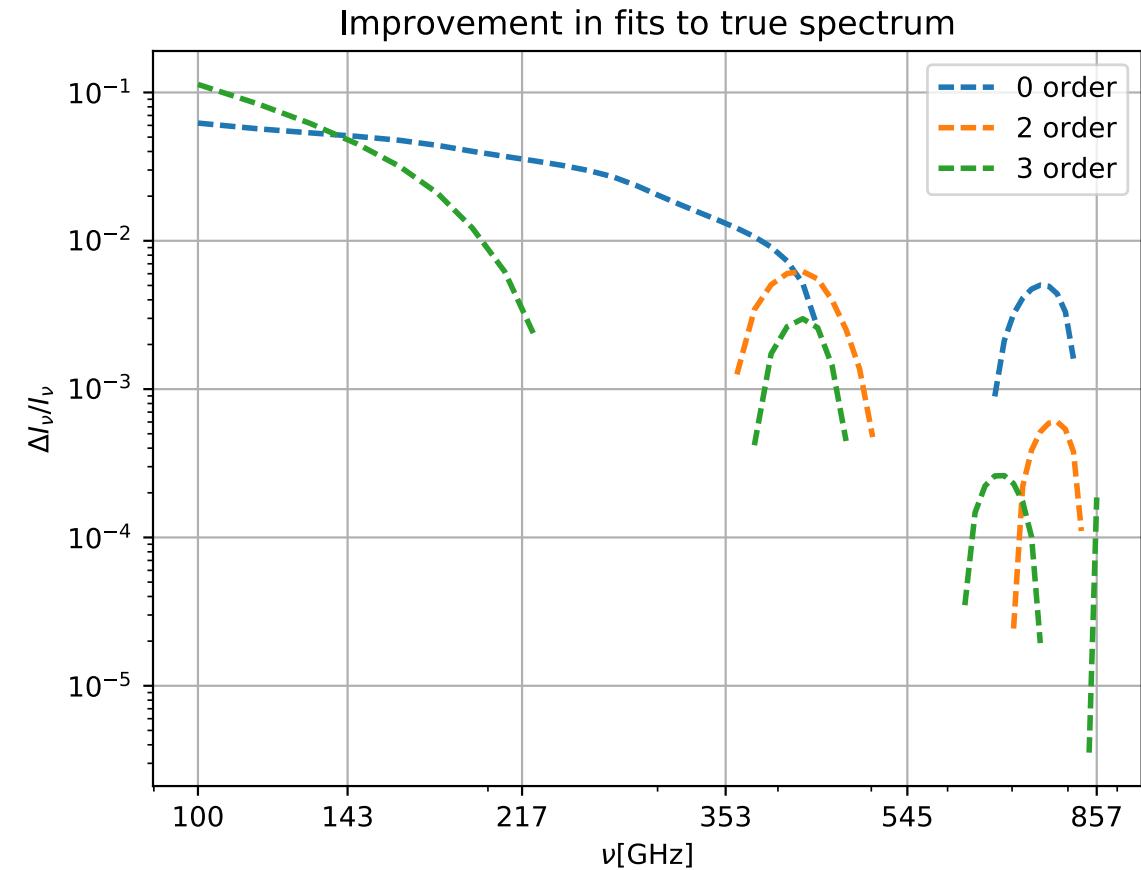
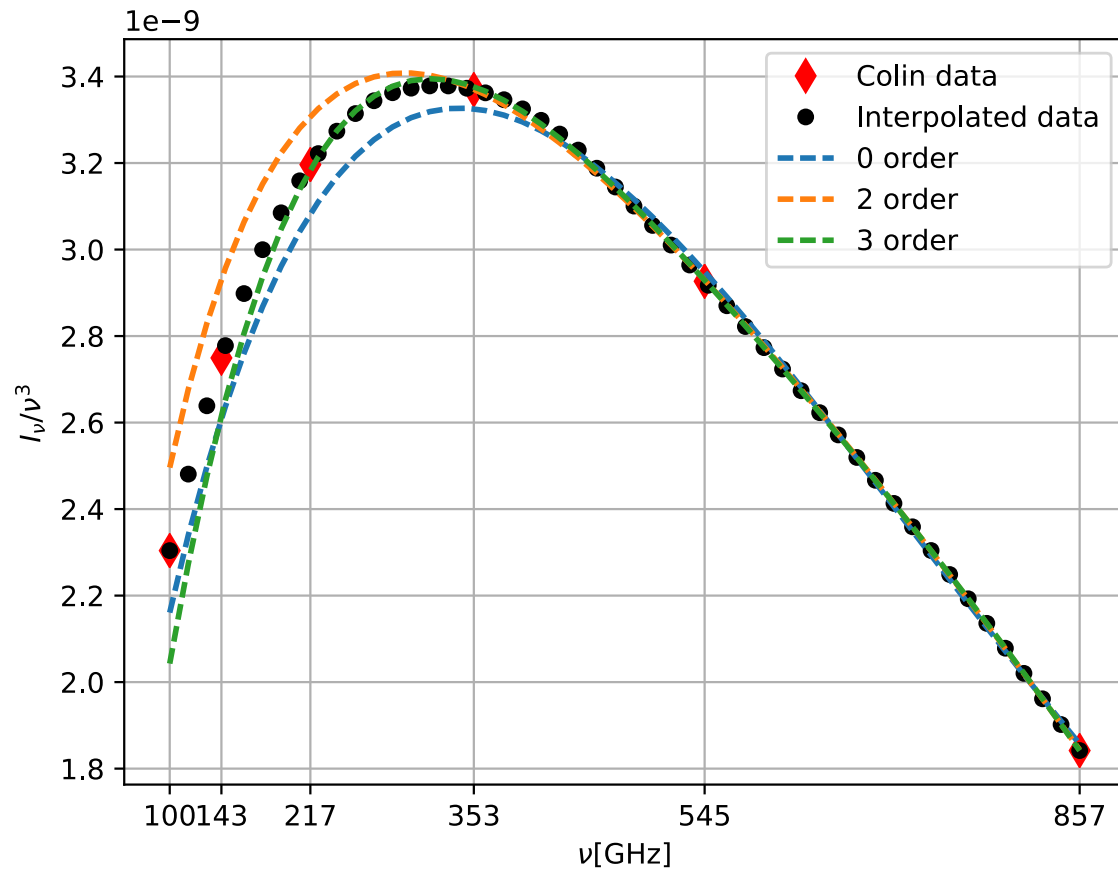


Intensity spectrum



Fitting Intensity spectrum with Taylor moments

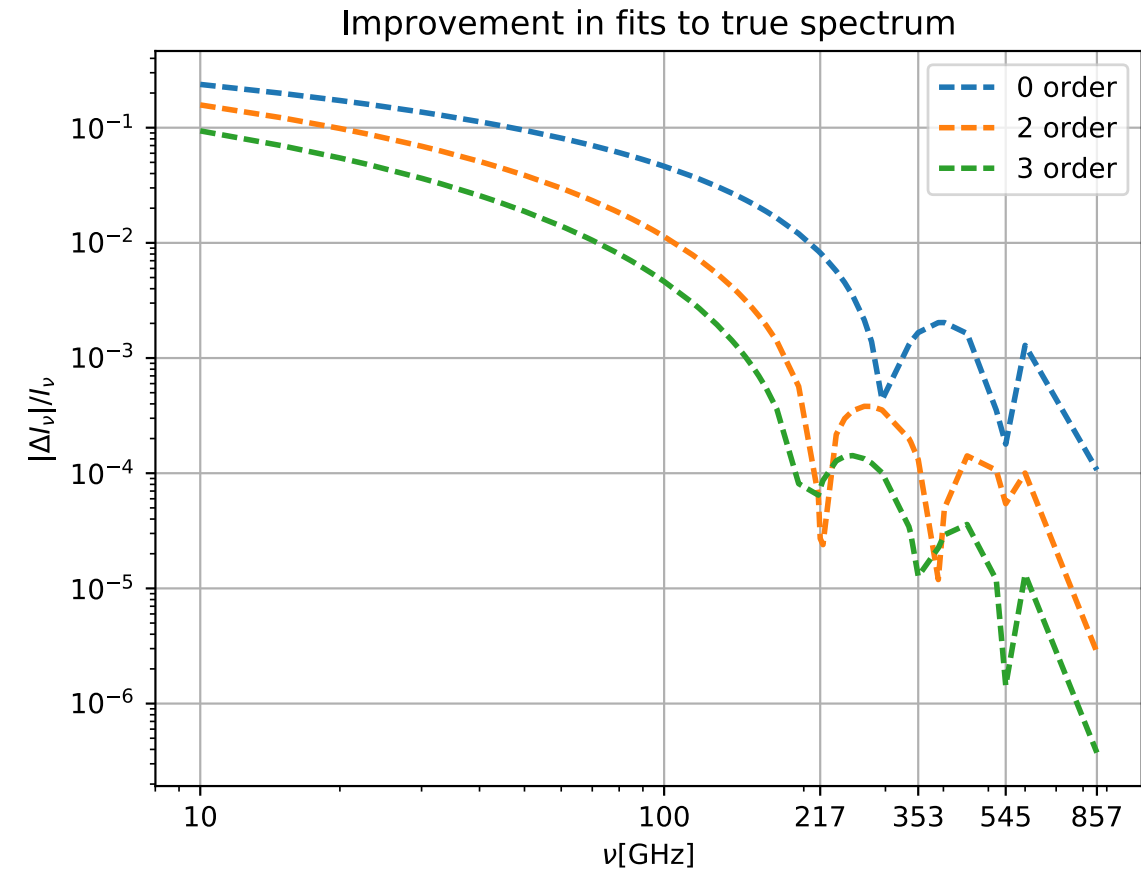
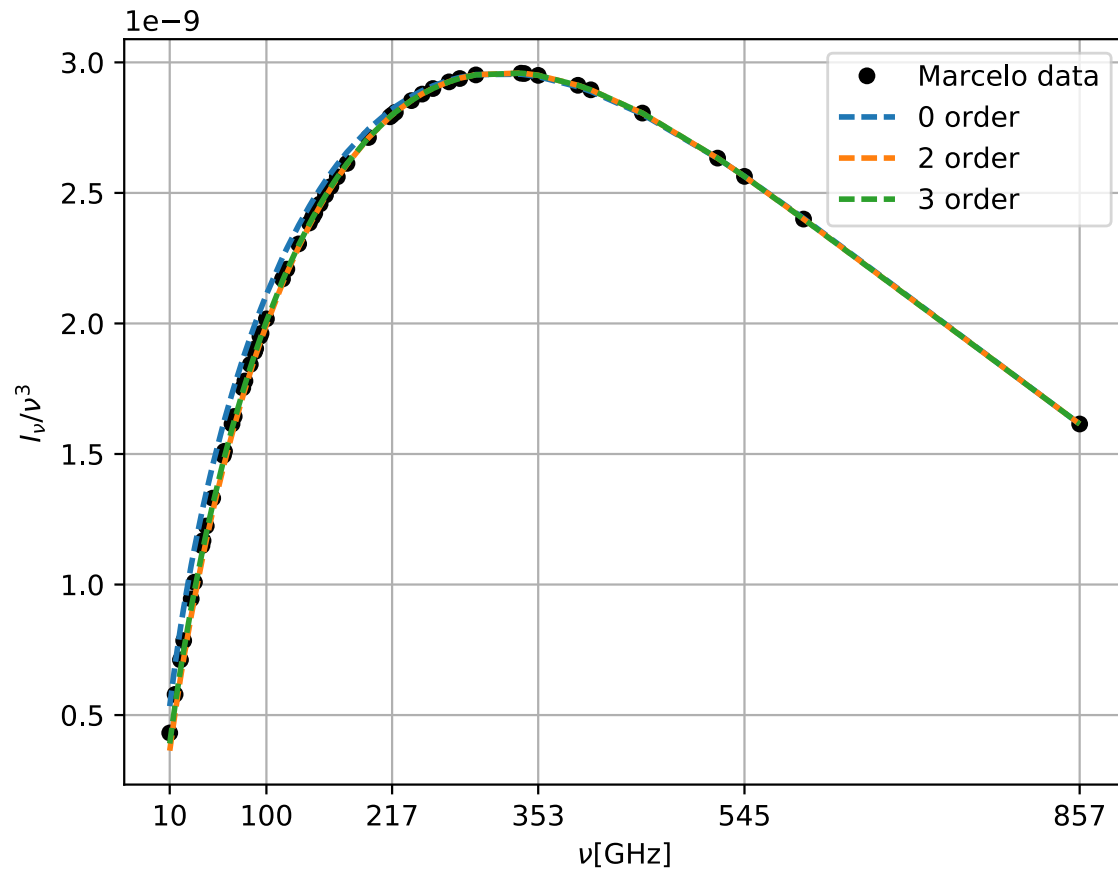
Colin's CIB monopole data



- We do a 10 parameter fit (3 base parameters and 7 Taylor moment parameters)
- Since we have to fit so many parameters, we Interpolate on the data to generate observations at 50 frequencies.
- 10% error on lower frequencies (100 GHz) but we are able to achieve sub-percent accuracy at frequencies above 217

Fitting Intensity spectrum with Taylor moments

Marcelo's data



- We do a 10 parameter fit (3 base parameters and 7 Taylor moment parameters)
- Since the data provided has many frequency channels, we do not perform any interpolation and work with raw data.
- We ignore the data point at 3000 GHz.
- While we have higher error (10%) on lower frequencies, above 100 GHz we are able to achieve sub-percent accuracy.