

## **Answer to short comment by N. Hao**

**Is it something wrong with the measurements at this temperature?  
The authors should clarify this in the manuscript.**

**The authors should clearly mention that the FM3 quadratic  
parametrisation should be used instead of the original cross-sections  
in the GOME-2 ozone retrieval or other application.**

The relative difference between the measured and the quadratic parameterization of the FM3 data is better than 2% for all temperatures. In order to reduce the impact from a cross section spectrum at one temperature, it is recommended to use the quadratic parameterization. This is mentioned now in the paper.