

29 June 2018, Revision: 1.70

## ABSTRACT

**Key words:** dynamo — MHD – magnetic fields — turbulence — Sun:dynamo

## 1 INTRODUCTION

### ACKNOWLEDGEMENTS

This work was supported through the FRINATEK grant 231444 under the Research Council of Norway, the Swedish e-Science Research Centre, the National Science Foundation, grant AAG-1615100, the University of Colorado through its support of the George Ellery Hale visiting faculty appointment, and the grant “Bottlenecks for particle growth in turbulent aerosols” from the Knut and Alice Wallenberg Foundation, Dnr. KAW 2014.0048. The simulations were performed using resources provided by the Swedish National Infrastructure for Computing (SNIC) at the Royal Institute of Technology in Stockholm and Chalmers Centre for Computational Science and Engineering (C3SE).

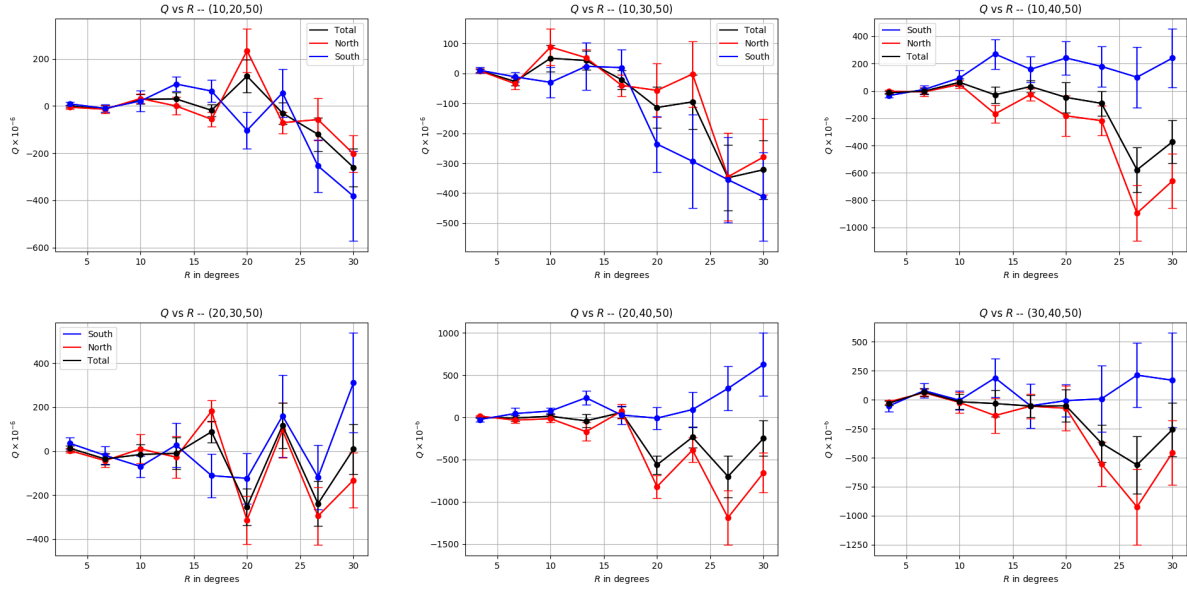


Figure 1.

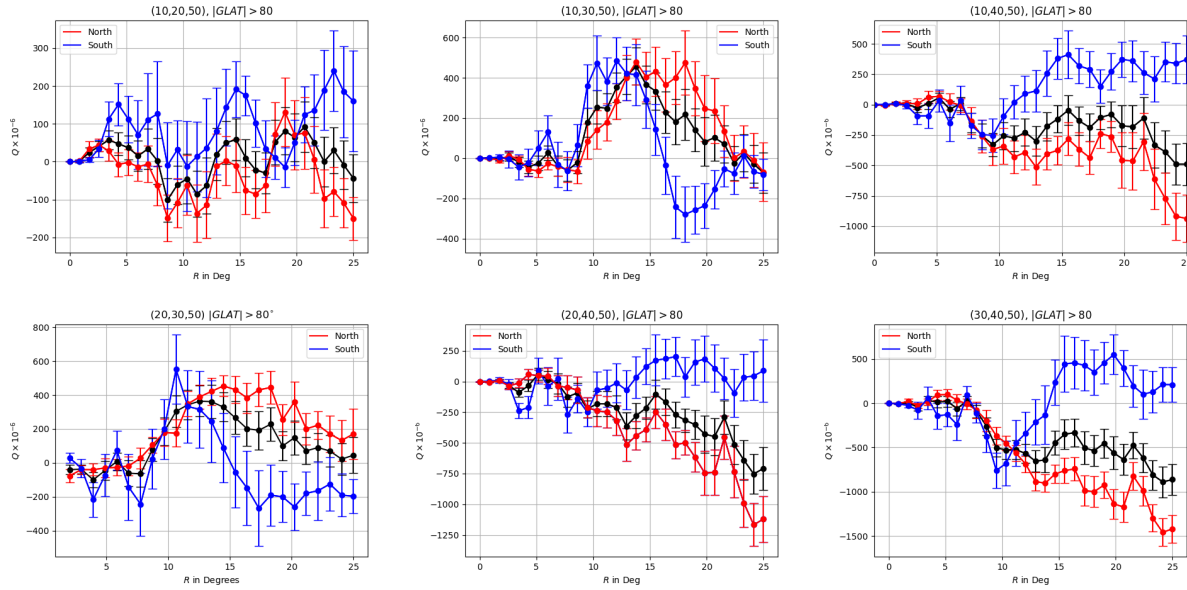


Figure 2.

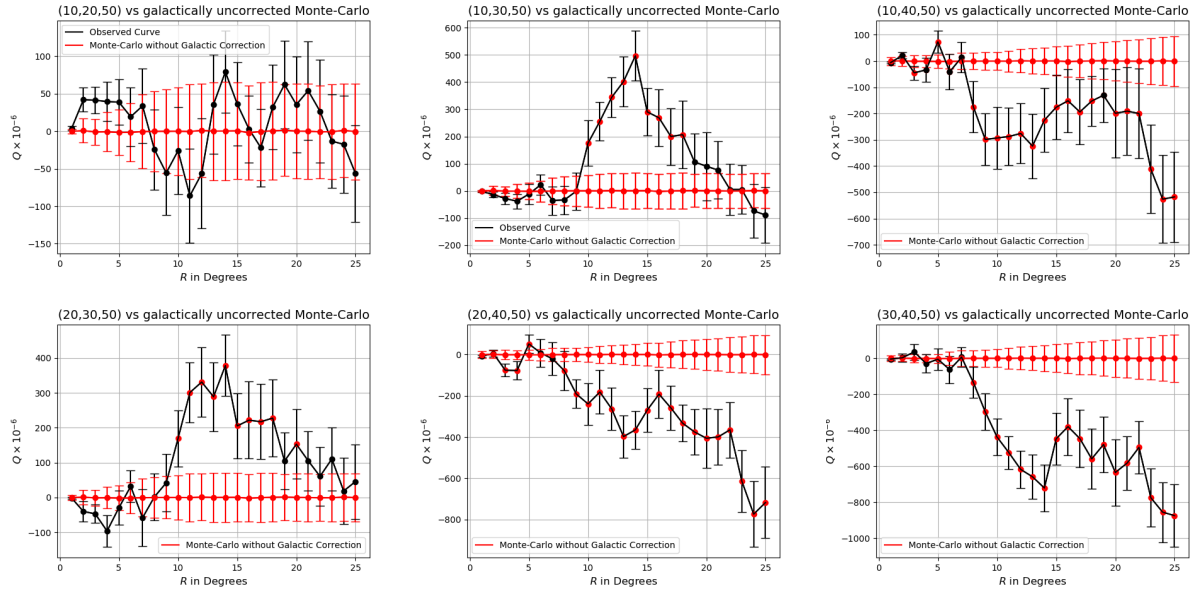


Figure 3.