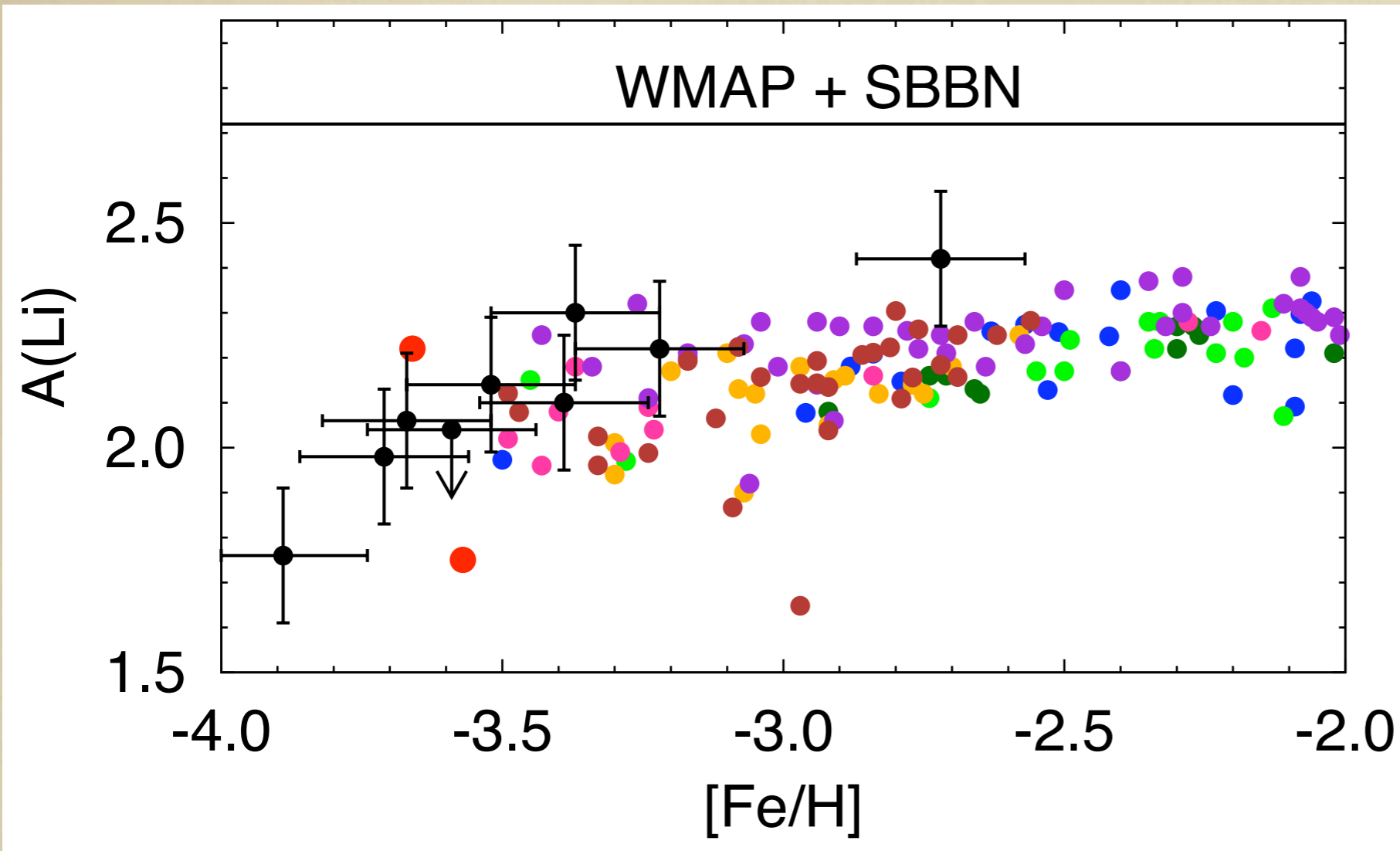


Lithium abundances of the most metal-poor turnoff stars

Hiroko Ito (Sokendai / NAOJ)



Charbonnel & Primas 2005

Boesgaard+2005

Asplund+2006

Bonifacio+2007

GonzalezHernandez+2008

Aoki+2009

Melendez+2010

Sbordone+2010

- Discrepancy between the observations and WMAP predictions
- Lower Li abundances at extremely low metallicity?
- New sample from SDSS/SEGUE
 - > high-resolution followup with Subaru/HDS
- New 5 turnoff stars in $[\text{Fe}/\text{H}] \leq -3.5$