

**Q32c 『すざく』による North Polar Spur の観測**

Eric Miller、常深 博、勝田 哲 (大阪大学)、Dan MacCammon、藤本龍一、竹井 洋、山崎 典子、満田和久 (宇宙研)、Scott Porter(GSFC)

We present observations of the North Polar Spur using the XIS aboard the Suzaku X-ray satellite. The good low-energy spectral resolution of the back-illuminated CCD allows clean separation of low-energy spectral lines, and we have detected the emission lines of ionized N and C in the North Polar Spur for the first time. The best-fit emission model implies a hot plasma ( $kT = 0.28$  keV) with depleted abundances of about 0.5 solar, but an enhanced N abundance with  $N/O \sim 3-5$  solar. We discuss these results in the context of the possible formation scenarios of this diffuse Galactic component.