

[포FI-03] **THE FAR-ULTRAVIOLET OBSERVATION OF THE DRACO CLOUD REGION WITH FIMS/SPEAR**

S. J. Park¹, K. W. Min¹, K. I. Seon², W. Y. Han², D. H. Lee²,
J. Edelstein³, E. Korpela³, R. Sankrit³

¹*Korea Advanced Institute of Science and Technology,*

²*Korea Astronomy and Space Science Institute,*

³*University of California, Berkeley*

We present far-ultraviolet (FUV) spectral images, including C IV (1548/1551Å) and Si II* (1533Å), of the Draco cloud region made with the FIMS/SPEAR instrument. Particularly, we identify a FUV shadow effect, which corresponds to the similar shadow cast on the 1/4 keV soft X-ray background. Accordingly, we present noticeable correlation and anti-correlation between the C IV and Si II* line emissions showing the approximate temperature gradient in the Draco cloud region. And the existence of the molecular hydrogen is identified by this instrument as a FUV mission. Furthermore, according to the FUV spectral emission images and intensity calculations, it appears the thermally hot and warm interstellar plasmas pervade behind the Draco cloud