

Abstract Submitted  
for the HAW05 Meeting of  
The American Physical Society

**Read out system for Drift Chamber using ASD chip** KEISUKE  
YAWATA, Tohoku University, NKS2 COLLABORATION — For make clear the  
strangeness photo-production process,  $\gamma + n \rightarrow K^0 + \Lambda$  reaction is very important.  
For research this reaction, we are now constructing Neutral Kaon Spectrometer.  
And in this spectrometer, we designed a large cylindrical Drift Chamber. Since the  
Drift Chamber is operated in a huge background from  $\gamma \rightarrow e^+e^-$  conversion, the  
integration time of an amplifier should be small. Therefore, we study a property of  
an ASD chip with the integration time of 16nsec(which has not been used for Drift  
Chamber). In this talk, I will talk about result of ASD chip research and the read  
out system of Drift Chamber.

Keisuke Yawata  
Tohoku University

Date submitted: 25 May 2005

Electronic form version 1.4