

**The Performance of COSY**, U. BECHSTEDT,  
J. DIETRICH, K. HENN, A. LEHRACH, R. MAIER,  
S. MARTIN, D. PRASUHN, A. SCHNASE,  
R. STASSEN, H. STOCKHORST, R. TOELLE,  
Forschungszentrum Juelich - The cooler synchrotron COSY  
has been operated in 1997 for more than 7000 hours with a  
reliability of 94%. 1/3 of the beamtime was scheduled for  
machine development, whereas 2/3 of the operating time  
were used for the different internal and external  
experiments. Milestones of the machine development and  
special features of COSY to fulfill the different experimental  
requirements will be presented.