

**The QSBPM System Performance, and a Comparison to Conventional BPM Systems,**  
P. RÖJSEL, MAX-LAB - The novel QSBPM system which has been developed at MAX-lab and that uses quadrupole shunts has been implemented in the Third Generation Storage Ring MAX II. The performance of the QSBPM system in this machine has been investigated. The use of some of the design features in MAX II which the QSBPM system benefits from is discussed. A comparison with conventional BPM systems is done. Especially the one that exists in MAX II. The comparison includes resolution, stability of pickups, electronics and other BPM system components. The features of the QSBPM system makes it easy to calibrate the conventional BPM system in situ. This has been done on MAX II. A short description of the systems and results from the measurements on MAX II is included.