

**The BESSY II Booster Synchrotron** \*,  
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Germany); I. CHERTOK, S. MICHAILOV,  
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(Novosibirsk, Russia) - For injection into the BESSY II  
1.9 GeV storage ring a full energy fast cycling booster  
synchrotron is under construction. To ensure a fast  
filling rate an emittance in the  $10^{-7}$  rad·m range and a  
10 Hz cycling frequency were chosen. The main  
features of the design are presented together with the  
results of the series measurements for the guide field  
magnets.

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