

Abstract Submitted  
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**Low-lying States of  $^{53}\text{Sc}$  and  $^{55}\text{Sc}$  from Shell Model**<sup>1</sup> ERDAL DIK-  
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versity, Philadelphia, PA 19104 — We have carried out the shell model calculations  
for the odd-even  $^{53}\text{Sc}$  and  $^{55}\text{Sc}$  isotopes. We use three different two-body effective  
nucleon-nucleon (NN) interactions, KB3, FPD6, GXPF1, in the calculations. We  
obtain the low-lying energy spectra of  $^{53}\text{Sc}$  and  $^{55}\text{Sc}$  isotopes in the full pf-shell  
model space.

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