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Characterization and performance of the Silicon Vertex Tracker modules for the CLAS12 experiment YURI GOTRA, MARY ANN ANTONIOLI, SERGEY BOIARINOV, PETER BONNEAU, LATIFA ELOUADRHIRI, BRIAN ENG, Thomas Jefferson National Accelerator Facility, Newport News, VA, USA, EUGENY KURBATOV, Skobeltsyn Institute of Nuclear Physics, Moscow State University, Moscow, Russia, MINDY LEFFEL, SAPTARSHI MANDAL, MARC MCMULLEN, Thomas Jefferson National Accelerator Facility, Newport News, VA, USA, MICHAEL MERKIN, Skobeltsyn Institute of Nuclear Physics, Moscow State University, Moscow, Russia, BENJAMIN RAYDO, WERTH TEACHEY, Thomas Jefferson National Accelerator Facility, Newport News, VA, USA, ROSS TUCKER, Arizona State University, Tempe, AZ, MAURIZIO UNGARO, AMRIT YEGNESWARAN, VERONIQUE ZIEGLER, Thomas Jefferson National Accelerator Facility, Newport News, VA, USA, CLAS12 COLLABORATION — The Continuous Electron Beam Accelerator Facility's (CEBAF) Large Acceptance Spectrometer (CLAS) is being upgraded for the 12 GeV electron beam. The Silicon Vertex Tracker (SVT) will be part of the Central Tracker for the CLAS12 experiment and will be centered inside of the solenoid, which has 5 T magnetic field. We present the design, fabrication, characterization and performance of the SVT modules.

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