

High Magnetic Field μ SR Project Status

Robert Scheuermann

Magnet: Oxford Instruments, 8/9.5 T Recondensing System, <10ppm

Installation: December 2010

Detector System: Photosensor Hamamatsu MPPC S10362-33-050

Frontend electronics in-house

TDC C.A.E.N. V1190B/V1290A, $\sigma < 140$ ps

Dilution Refrigerator: fully horizontal, cryogen-free, 15 mK, BlueFors BF250H

Installation: June 2011

Flow Cryostat: Cryovac

Spin Rotator: 400 kV, in-house,

Installation: September 2011

Beam Area: $\pi E3$, dedicated 2012, $\Delta p/p < 5\%$ FWHM

01.06.09

