

HIGH-LEVEL MATLAB APPLICATION PROGRAMS FOR SPEAR3 Jeff Corbett, et al (SLAC)

(MML), Accelerator Toolbox (AT) and EPICS Channel Access (LabCA) allow for parallel, high-level machine control and accelerator physics applications. MML is machine independent but site-specific high-level paper describes several such high-level application the main MML routines.

SPEAR3 Synchrotron Light Source



=3 GeV =350 mA l=18 cell

Table 1: SPEAR3 injection param	
Injection amplitude	x=-13 n
Stored beam size	310x20 μm
Stored beam, dp/p	0.1%
Damping times	4.2, 5.1, 2
Injected beam size	~1.0x0.8 mm
Injected dp/p	0.07%



