

<b>ELECTRON BEAM</b>	
Electron Beam Energy (MeV)	155
<b>Bunch charge (nC)</b>	<b>1.1</b>
Repetition rate (Hz)	1-10
Cathode peak field (MV/m)	120
Peak solenoid field @ 0.19 m (T)	0.273
<b>Photocathode spot size (mm, hard edge radius)</b>	<b>1.13</b>
<b>Central RF launch phase (RF deg)</b>	<b>33</b>
<b>Laser pulse duration, flat top (ps)</b>	<b>10</b>
Laser pulse rise time (ps) 10% 90%	1
Bunch energy @ gun exit (MeV)	5.6
<b>Bunch peak current @ linac exit (A) (50% beam fraction)</b>	<b>100</b>
<b>Rms normalized transverse emittance @ linac exit (mm-mrad); includes thermal comp. (0.3)</b>	<b>&lt; 2</b>
<b>Rms slice norm. emittance (300 μm slice)</b>	<b>&lt; 1</b>
Rms longitudinal emittance (deg.keV)	1000
<b>Rms total correlated energy spread (%)</b>	<b>0.2</b>
<b>Rms incorrelated energy spread (%)</b>	<b>0.06</b>
Rms beam spot size @ linac exit (mm)	0.4
Rms bunch length @ linac exit (mm)	1

**UPDATED PARAMETER LIST (15-07-03)**

**Red:** modified parameters  
**Blue:** confirmed old relevant parameters  
 Black: no change