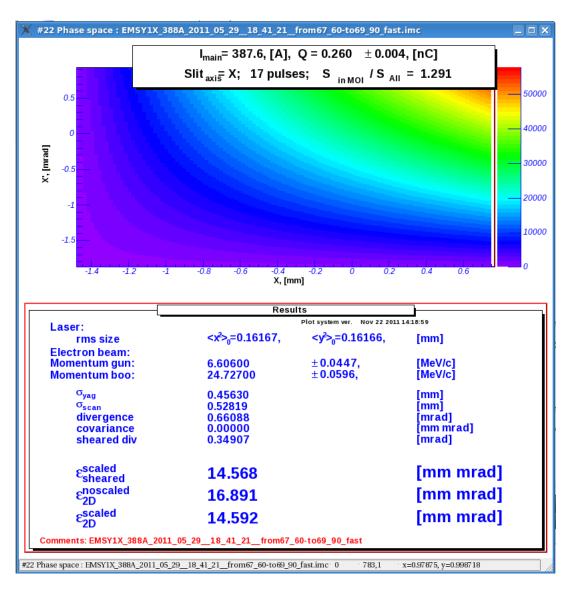
Phase space reconstruction in EmCalc.

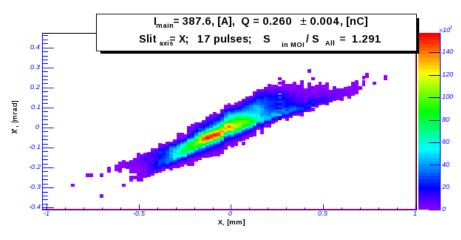
(X,Y) = X*Y



Changes

- Act. dist. = (num_beamlets/rate)*speed
- Cent.beamlet = To-From/2
- Local shift = F(rate, speed, num_beamlets, j-beamlet)

X (1-2%)



Laser:	Results		
	Plot system ver. Nov 22 2011 14:18:59		
rms size	<x²>₀=0.16167,</x²>	<y³>₀=0.16166,</y³>	[mm]
Electron beam:			
Momentum gun:	6.60600	±0.0447,	[MeV/c]
Momentum boo:	24.72700	± 0.0596,	[MeV/c]
$\sigma_{\rm yag}$	0.45630		[mm]
o _{scan}	0.19850		[mm]
divergence	0.08565		[mrad]
covariance	0.01535		[mm mrad]
sheared div	0.00731		[mrad]
escaled	0.738		[mm mrad]
Esheared .	0.700		[
εnoscaled 2D	0.354		[mm mrad]
Escaled 2D	0.813		[mm mrad]

Y (1-2%)

