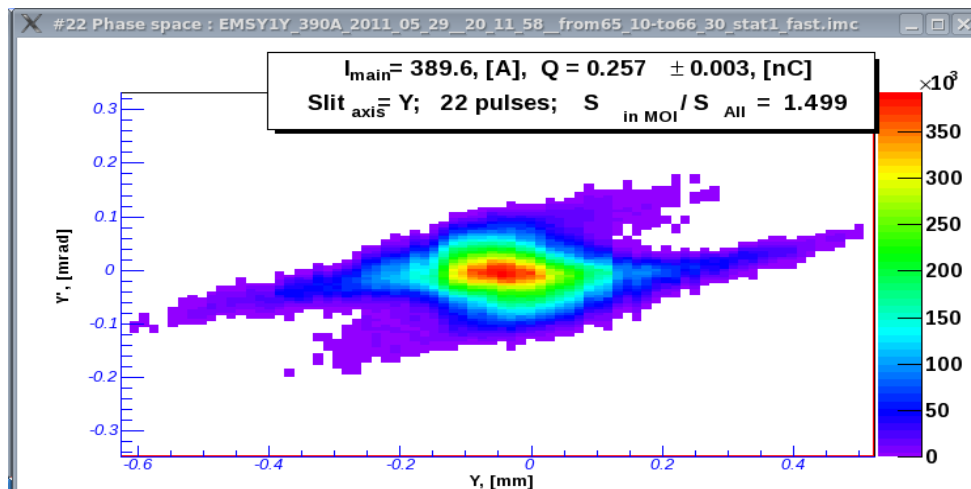
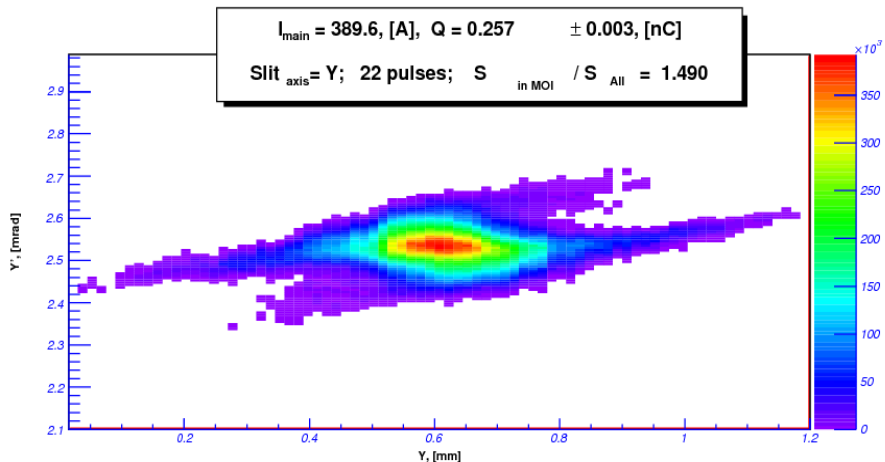


Y-slit: left – Logbook, right – new result



Results

Plot system ver. May 29 2011 09:16:31

Laser:			
rms size	$\langle x^2 \rangle_0 = 0.16167,$	$\langle y^2 \rangle_0 = 0.16166,$	[mm]
Electron beam:			
Momentum gun:	6.60600	$\pm 0.0447,$	[MeV/c]
Momentum boo:	24.72700	$\pm 0.0596,$	[MeV/c]
σ_{yag}	0.17070		[mm]
σ_{scan}	0.12261		[mm]
divergence	0.04157		[mrad]
covariance	0.00051		[mm mrad]
sheared div	0.00507		[mrad]
$\epsilon_{\text{sheared}}^{\text{scaled}}$	0.327		[mm mrad]
$\epsilon_{\text{noscaled}}^{\text{2D}}$	0.245		[mm mrad]
$\epsilon_{\text{scaled}}^{\text{2D}}$	0.342		[mm mrad]

Comments: EMSY1Y_390A_2011_05_29_20_11_58_from65_10-to66_30_stat1_fast

Results

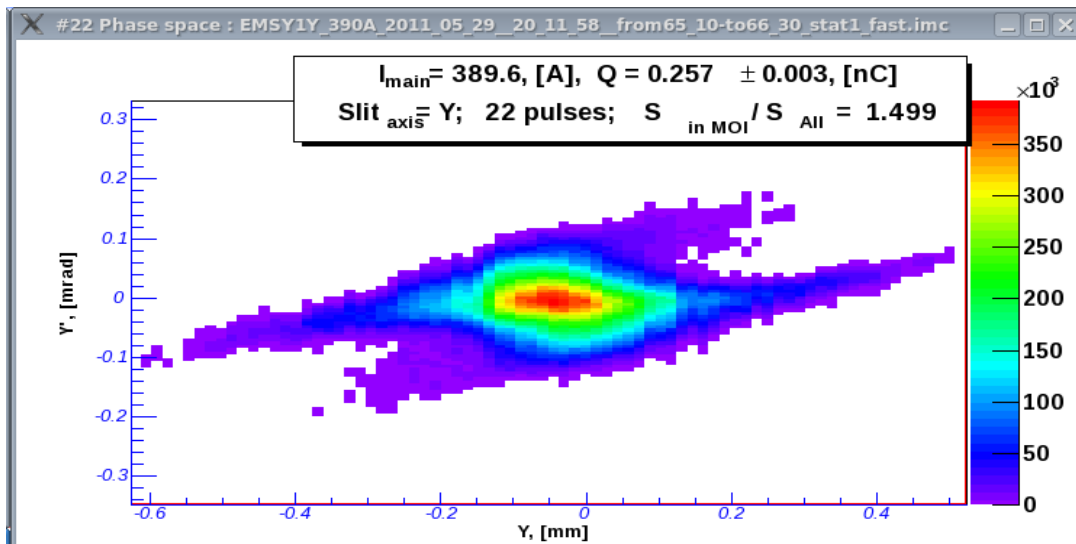
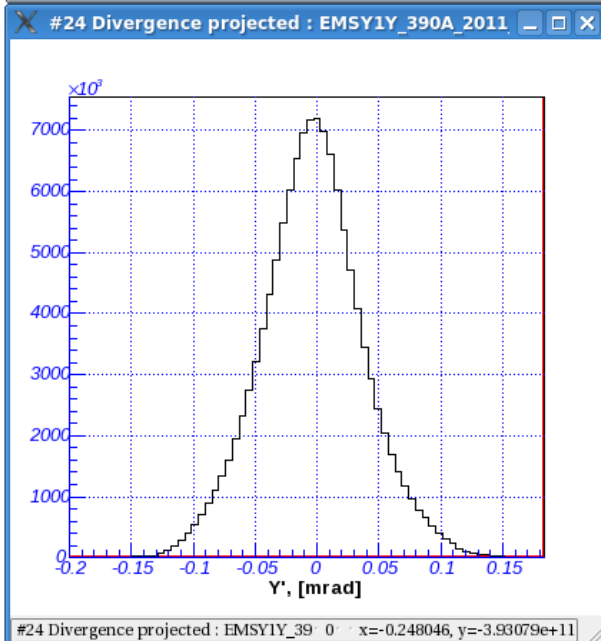
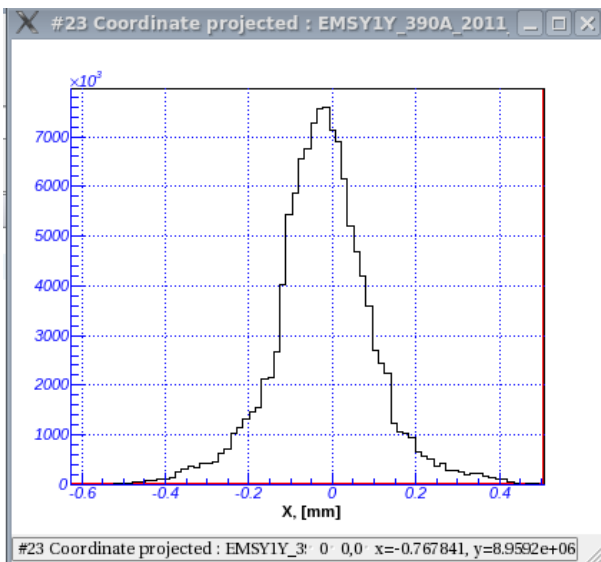
Plot system ver. Dec 8 2011 12:55:35

Laser:			
rms size	$\langle x^2 \rangle_0 = 0.16167,$	$\langle y^2 \rangle_0 = 0.16166,$	[mm]
Electron beam:			
Momentum gun:	6.60600	$\pm 0.0447,$	[MeV/c]
Momentum boo:	24.72700	$\pm 0.0596,$	[MeV/c]
σ_{yag}	0.17070		[mm]
σ_{scan}	0.12041		[mm]
divergence	0.04142		[mrad]
covariance	0.00058		[mm mrad]
sheared div	0.00495		[mrad]
$\epsilon_{\text{sheared}}^{\text{scaled}}$	0.327		[mm mrad]
$\epsilon_{\text{noscaled}}^{\text{2D}}$	0.240		[mm mrad]
$\epsilon_{\text{scaled}}^{\text{2D}}$	0.340		[mm mrad]

Comments: EMSY1Y_390A_2011_05_29_20_11_58_from65_10-to66_30_stat1_fast

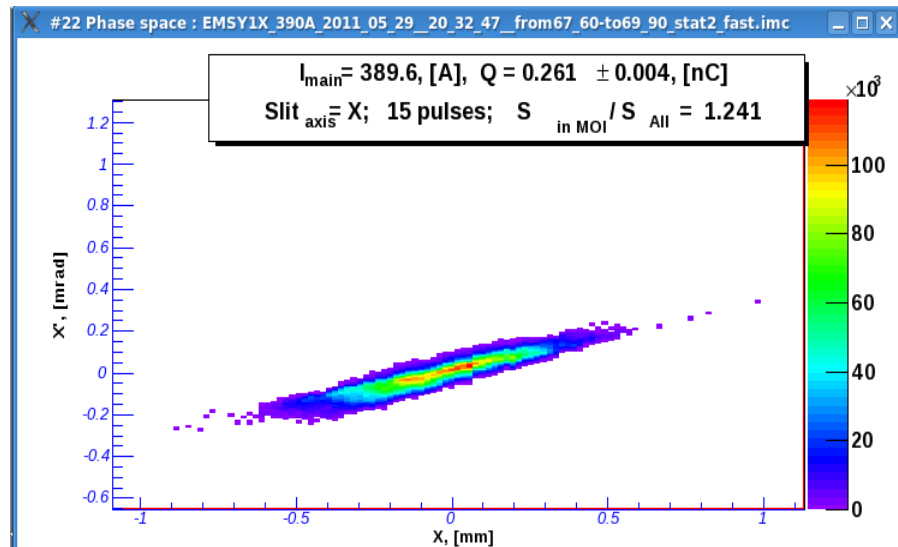
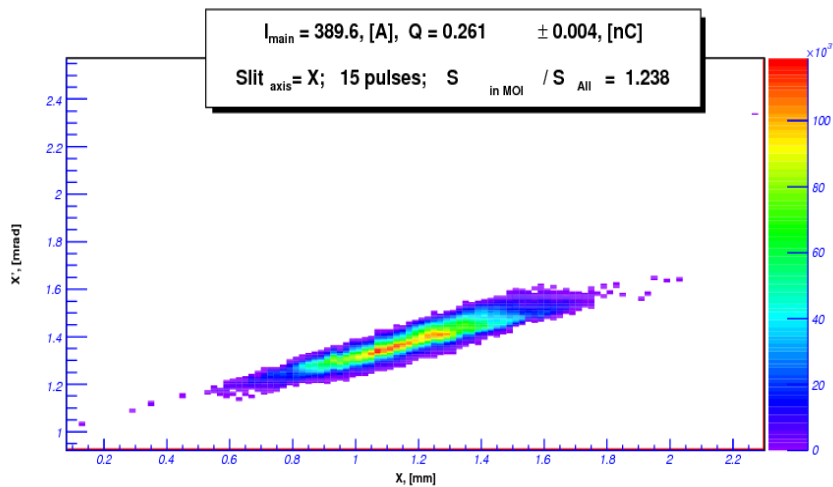
#22 Phase space : EMSY1Y_390A_2011_05_29_20_11_58_from65_10-to66_30_stat1_fast.imc 0 0 x=0, y=1

Y-slit: new result (projections)



Results			
Plot system ver. Dec 8 2011 12:55:35			
Laser:			
rms size	$\langle x^2 \rangle_0 = 0.16167,$	$\langle y^2 \rangle_0 = 0.16166,$	[mm]
Electron beam:			
Momentum gun:	6.60600	$\pm 0.0447,$	[MeV/c]
Momentum boo:	24.72700	$\pm 0.0596,$	[MeV/c]
σ_{yag}	0.17070		[mm]
σ_{scan}	0.12041		[mm]
divergence	0.04142		[mrad]
covariance	0.00058		[mm mrad]
sheared div	0.00495		[mrad]
$\epsilon_{sheared}^{scaled}$	0.327		[mm mrad]
$\epsilon_{2D}^{noscaled}$	0.240		[mm mrad]
ϵ_{2D}^{scaled}	0.340		[mm mrad]
Comments: EMSY1Y_390A_2011_05_29_20_11_58_from65_10-to66_30_stat1_fast			

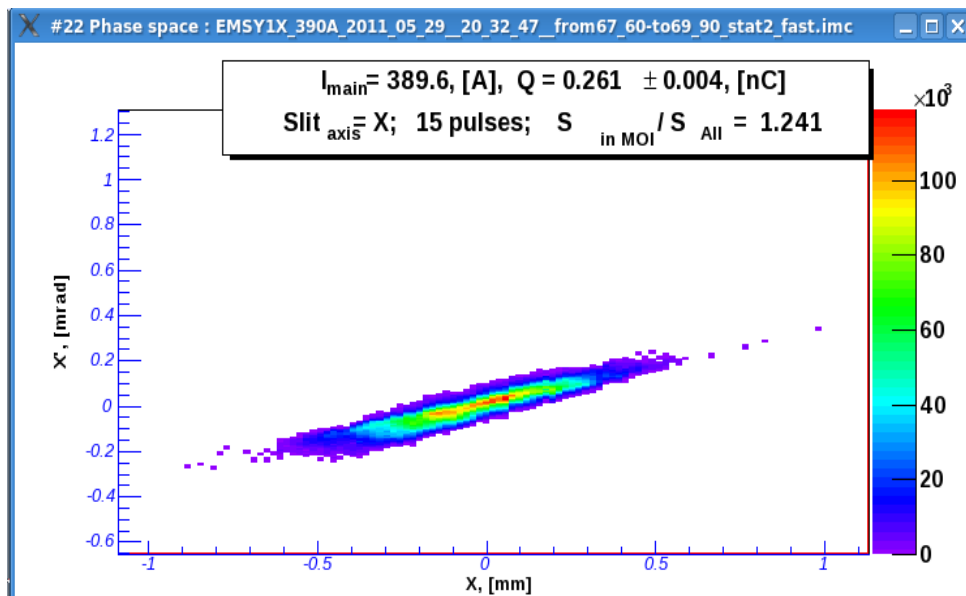
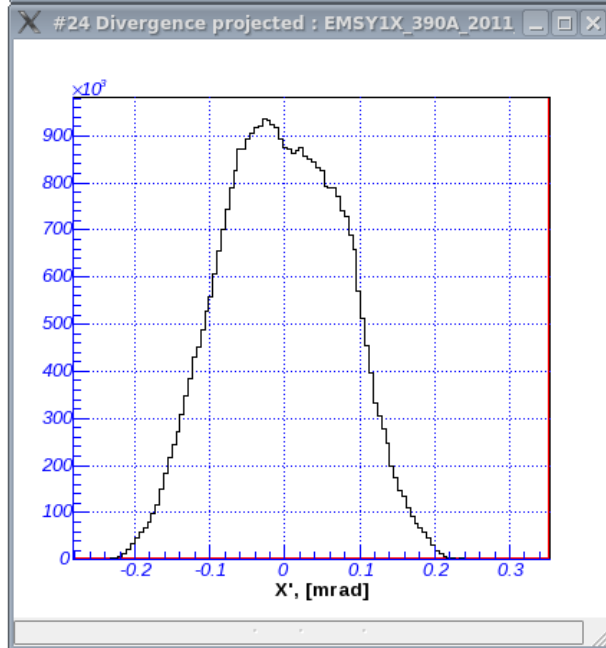
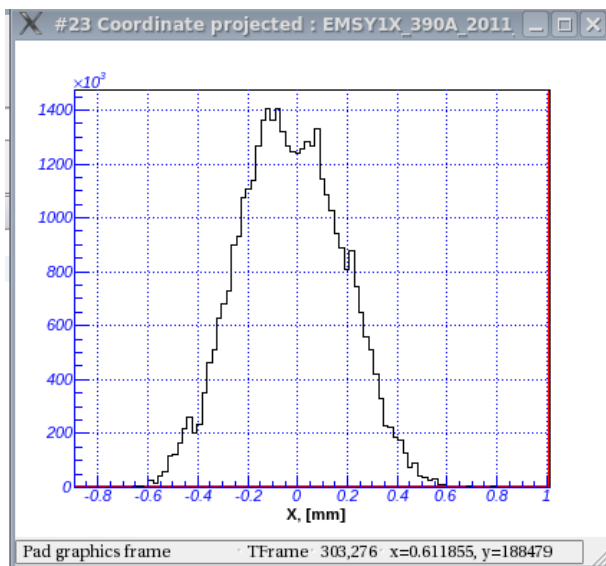
X-slit: left – Logbook, right – new result



Results			
Plot system ver. May 29 2011 09:16:31			
Laser:	rms size	$\langle x^2 \rangle_0 = 0.16167,$	$\langle y^2 \rangle_0 = 0.16166,$ [mm]
Electron beam:	Momentum gun:	6.60600	$\pm 0.0447,$ [MeV/c]
Momentum boo:		24.72700	$\pm 0.0596,$ [MeV/c]
	σ_{yag}	0.53710	[mm]
	σ_{scan}	0.20994	[mm]
	divergence	0.08022	[mrad]
	covariance	0.01568	[mm mrad]
	sheared div	0.00614	[mrad]
	$\epsilon_{\text{sheared}}^{\text{scaled}}$	0.714	[mm mrad]
	$\epsilon_{\text{2D}}^{\text{noscaled}}$	0.297	[mm mrad]
	$\epsilon_{\text{2D}}^{\text{scaled}}$	0.760	[mm mrad]
Comments: EMSY1X_390A_2011_05_29_20_32_47_from67_60-to69_90_stat2_fast			

Results			
Plot system ver. Dec 8 2011 12:55:35			
Laser:	rms size	$\langle x^2 \rangle_0 = 0.16167,$	$\langle y^2 \rangle_0 = 0.16166,$ [mm]
Electron beam:	Momentum gun:	6.60600	$\pm 0.0447,$ [MeV/c]
Momentum boo:		24.72700	$\pm 0.0596,$ [MeV/c]
	σ_{yag}	0.53710	[mm]
	σ_{scan}	0.20636	[mm]
	divergence	0.08008	[mrad]
	covariance	0.01539	[mm mrad]
	sheared div	0.00601	[mrad]
	$\epsilon_{\text{sheared}}^{\text{scaled}}$	0.714	[mm mrad]
	$\epsilon_{\text{2D}}^{\text{noscaled}}$	0.291	[mm mrad]
	$\epsilon_{\text{2D}}^{\text{scaled}}$	0.757	[mm mrad]
Comments: EMSY1X_390A_2011_05_29_20_32_47_from67_60-to69_90_stat2_fast			

X-slit: new result (projections)



$I_{\text{main}} = 389.6, [\text{A}], Q = 0.261 \pm 0.004, [\text{nC}]$
 Slit axis = X; 15 pulses; $S_{\text{in MOI}} / S_{\text{All}} = 1.241$

Results			
Plot system ver. Dec 8 2011 12:55:35			
Laser:			
rms size	$\langle x^2 \rangle_0 = 0.16167,$	$\langle y^2 \rangle_0 = 0.16166,$	[mm]
Electron beam:			
Momentum gun:	6.60600	$\pm 0.0447,$	[MeV/c]
Momentum boo:	24.72700	$\pm 0.0596,$	[MeV/c]
σ_{yag}	0.53710		[mm]
σ_{scan}	0.20636		[mm]
divergence	0.08008		[mrad]
covariance	0.01539		[mm mrad]
sheared div	0.00601		[mrad]
$\epsilon_{\text{sheared}}^{\text{scaled}}$	0.714		[mm mrad]
$\epsilon_{\text{2D}}^{\text{noscaled}}$	0.291		[mm mrad]
$\epsilon_{\text{2D}}^{\text{scaled}}$	0.757		[mm mrad]

Comments: EMSY1X_390A_2011_05_29_20_32_47_from67_60-to69_90_stat2_fast