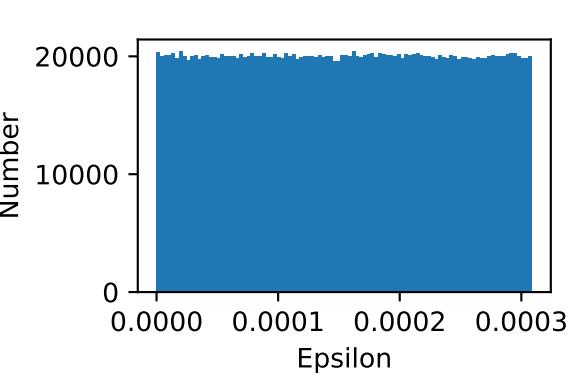
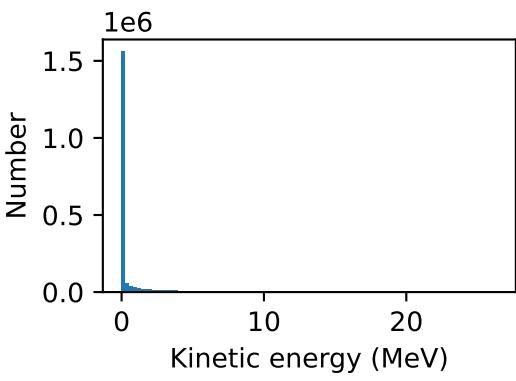
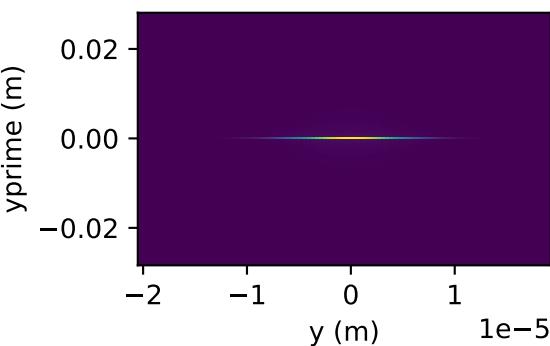
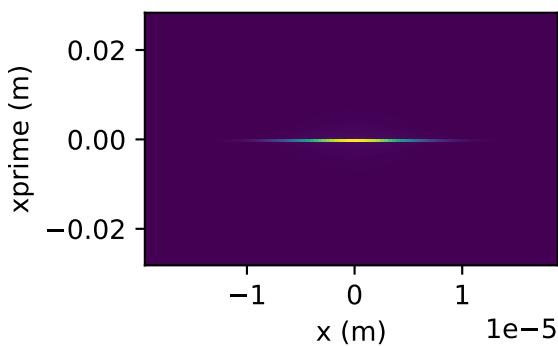
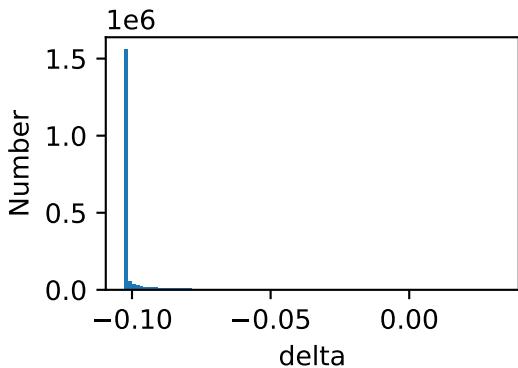
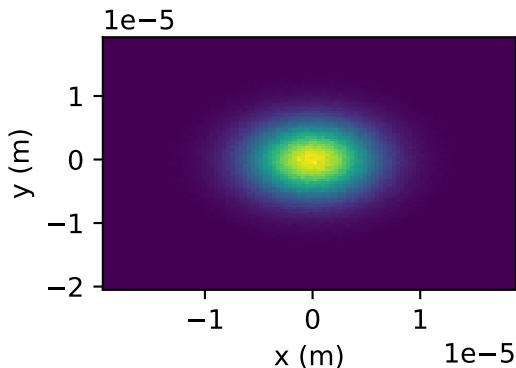
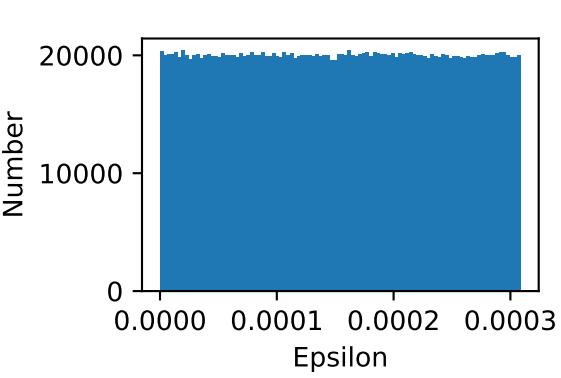
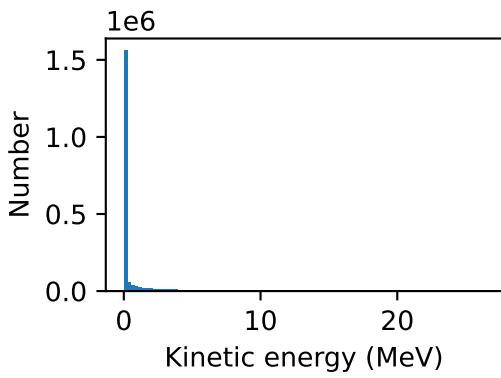
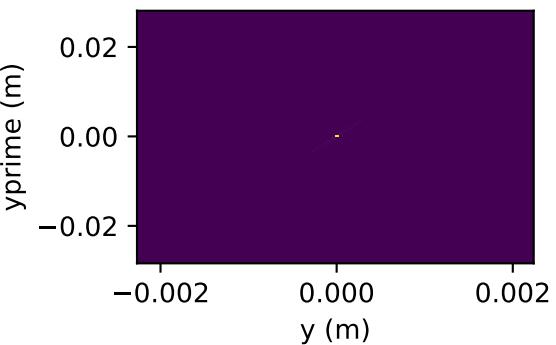
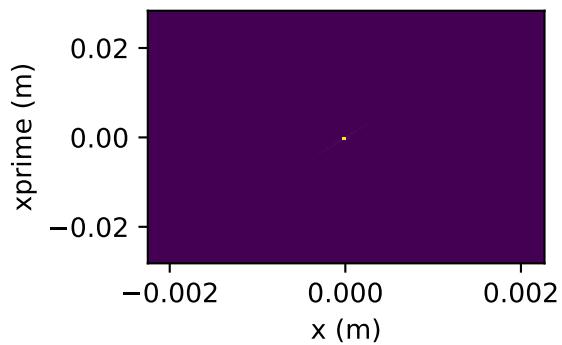
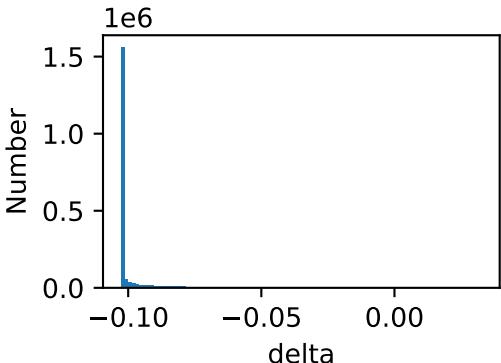
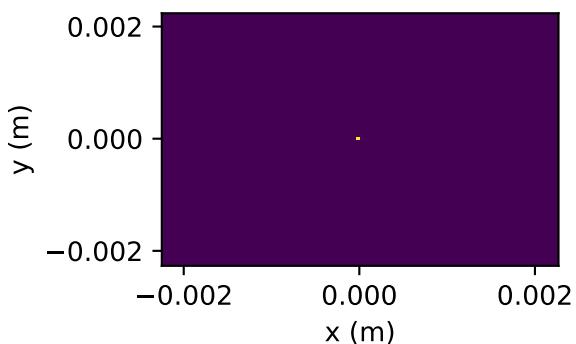


Stage	Section	Element	Type	Parameter	Value	Unit	Comment
0	Facility	Global	Name	Name	DRACO		
0	Facility	Global	Reference particle	Kinetic energy	20	MeV	
0	Facility	Global	Vacuum chamber	Mother volume radius	0.5	m	
1	Source	Source	Parameterised TNSA	SourceMode	0		Gaussian kinetic energy
1	Source	Source	Parameterised TNSA	SigmaX	0.000004	m	Gaussian width, x
1	Source	Source	Parameterised TNSA	SigmaY	0.000004	m	Gaussian width, y
1	Source	Source	Parameterised TNSA	Emin	1	MeV	Minimum of energy distribution
1	Source	Source	Parameterised TNSA	Emax	25	MeV	Maximum of energy distribution
1	Source	Source	Parameterised TNSA	nPnts	1000		Number of points to sample for integration of PDF
1	Source	Source	Parameterised TNSA	MinCTheta	0.999691		Maximum theta for flat cos theta
1	Source	Source	Parameterised TNSA	Power	2.5E+15	W	Laser power
1	Source	Source	Parameterised TNSA	Energy	70	J	Laser energy
1	Source	Source	Parameterised TNSA	Wavelength	0.8	um	Laser wavelength
1	Source	Source	Parameterised TNSA	Duration	2.8E-14	s	Laser pulse duration
1	Source	Source	Parameterised TNSA	Thickness	4E-07	m	Target thickness
1	Source	Source	Parameterised TNSA	Intensity	4E+20	W/cm2	Laser intensity
1	Source	Source	Parameterised TNSA	DivAngle	25	degrees	Electron divergence angle
1	Capture	Drift		Length	0.08	m	Length of drift from target to first solenoid
1	Capture	Aperture	Circular	Radius	0.02	m	Radius of solenoid bore
1	Capture	Solenoid	Length, layers and turns	Length	0.12	m	Length of solenoid
1	Capture	Solenoid	Length, layers and turns	Current	1.16E+04	A	
1	Capture	Solenoid	Length, layers and turns	Layers	4		
1	Capture	Solenoid	Length, layers and turns	Turns	28		Turns per layer
1	Capture	Aperture	Circular	Radius	0.02	m	Radius of solenoid bore
1	Capture	Drift		Length	0.545	m	
1	Capture	Aperture	Circular	Radius	0.0075	m	
1	Delivery	Drift		Length	0.355	m	
1	Delivery	Aperture	Circular	Radius	0.02	m	Radius of solenoid bore
1	Delivery	Solenoid	Length, layers and turns	Length	0.12	m	Length of solenoid
1	Delivery	Solenoid	Length, layers and turns	Current	2.98E+03	A	
1	Delivery	Solenoid	Length, layers and turns	Layers	4		
1	Delivery	Solenoid	Length, layers and turns	Turns	28		Turns per layer
1	Delivery	Aperture	Circular	Radius	0.02	m	Radius of solenoid bore
1	Delivery	Drift		Length	0.915	m	
1	Delivery	Aperture	Circular	Radius	0.0035	m	Colimator

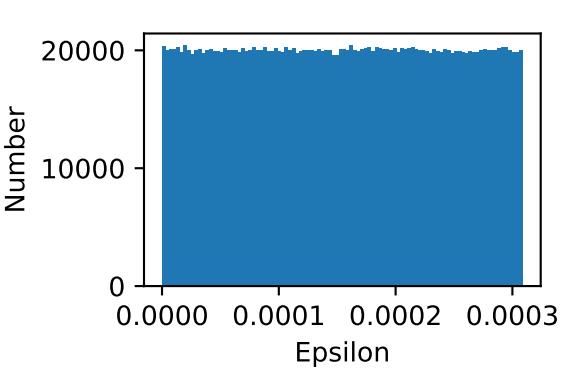
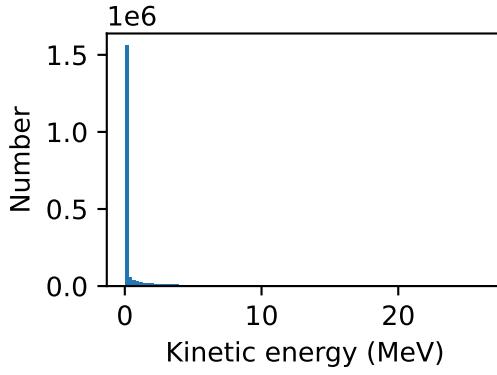
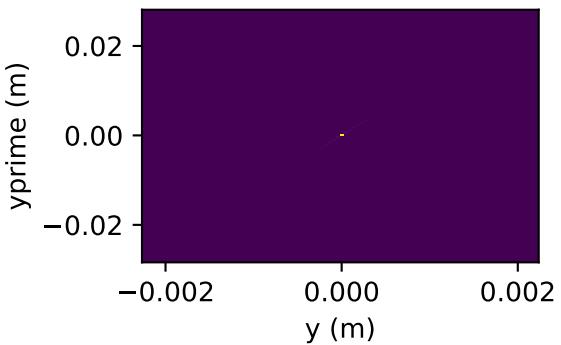
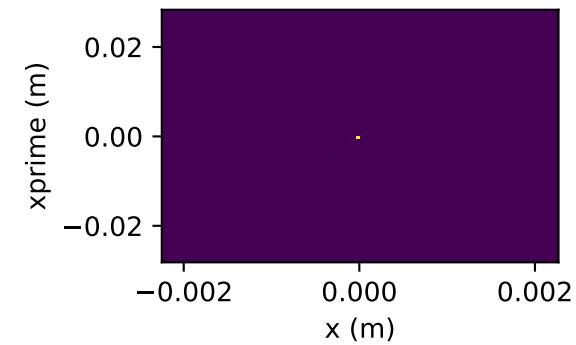
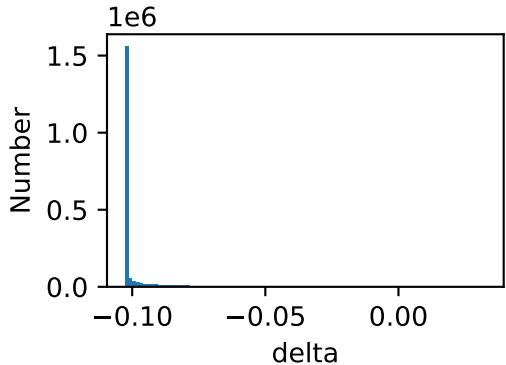
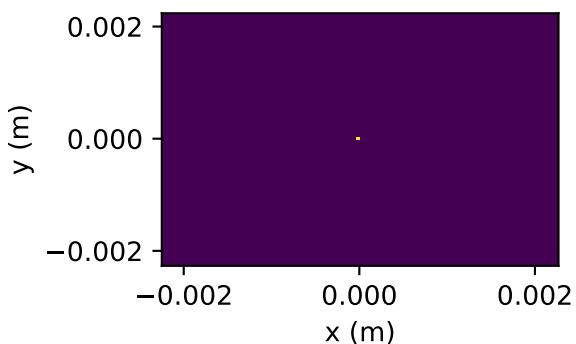
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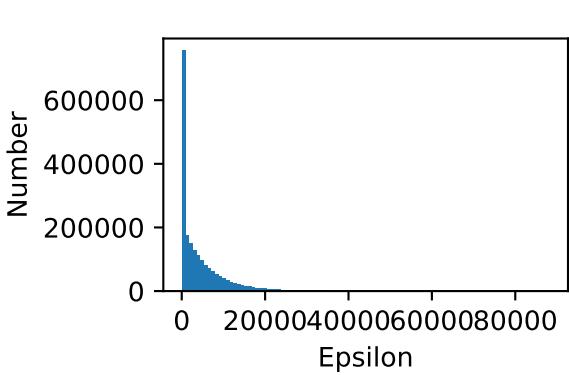
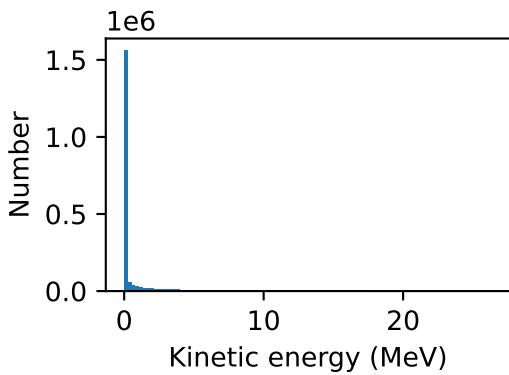
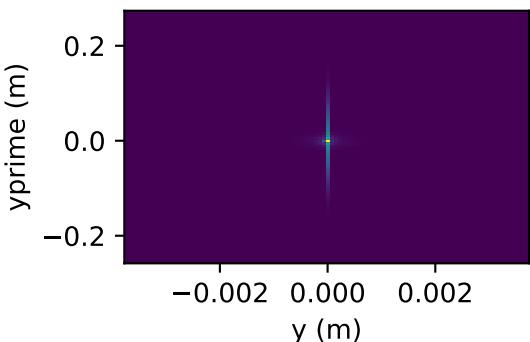
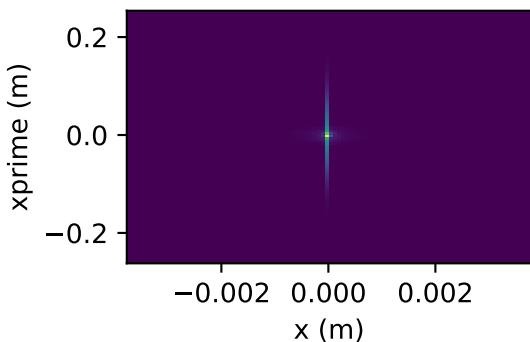
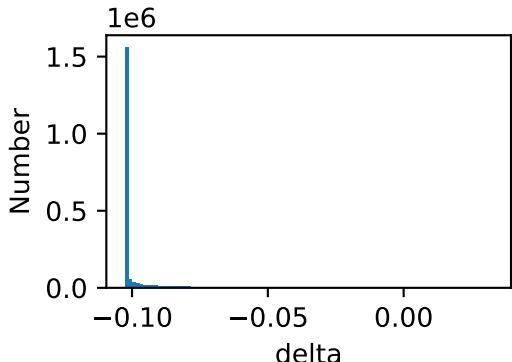
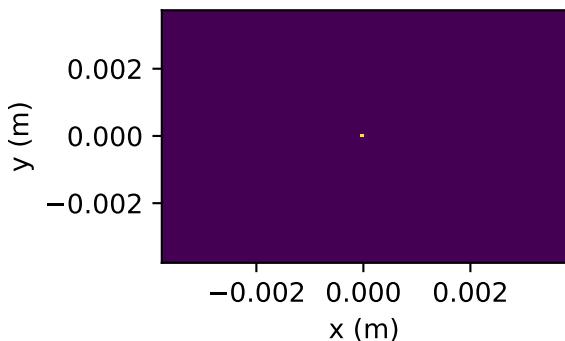
DRACO:1:Capture:Drift:1



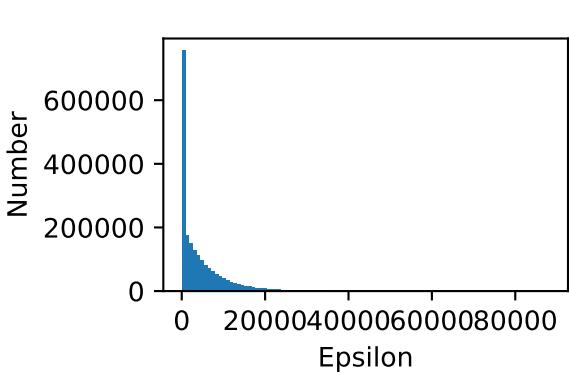
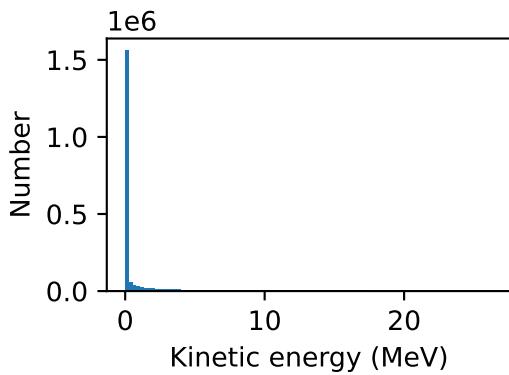
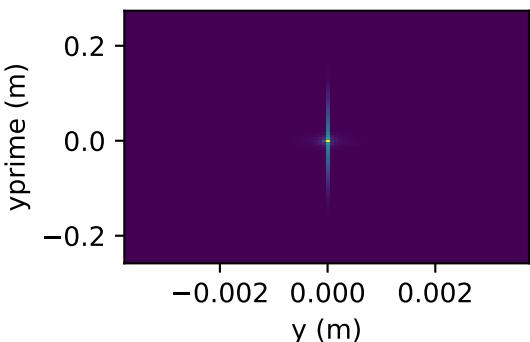
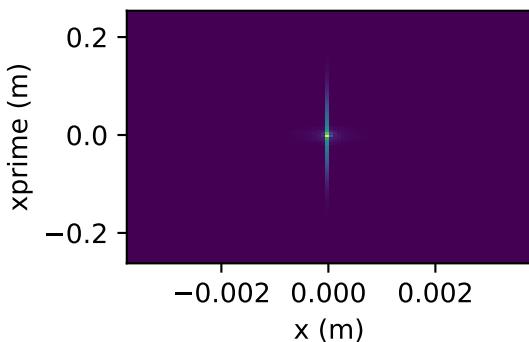
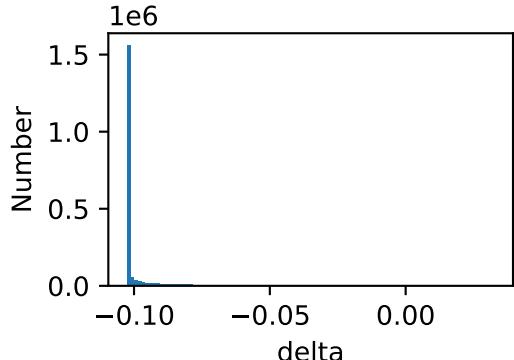
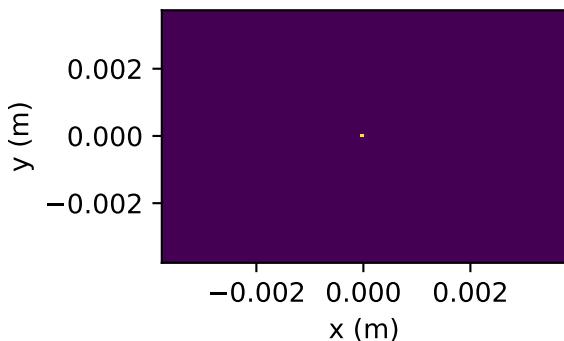
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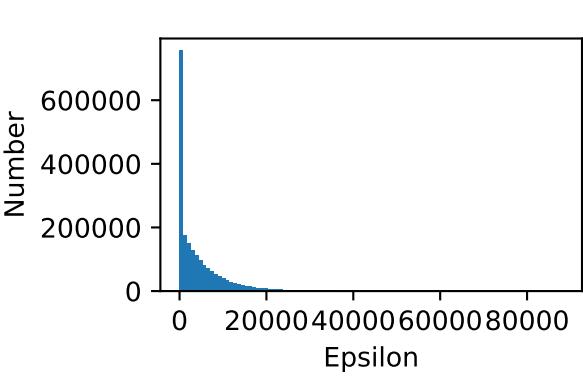
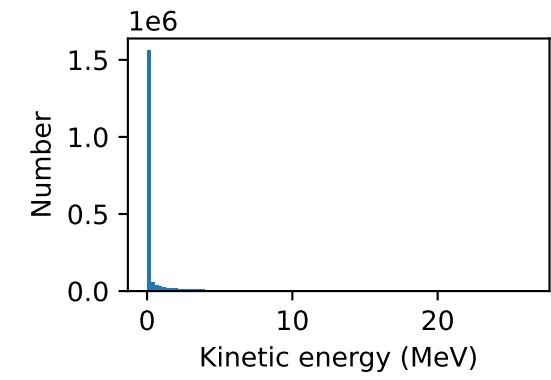
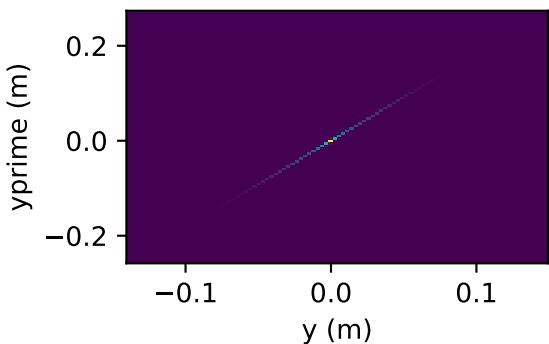
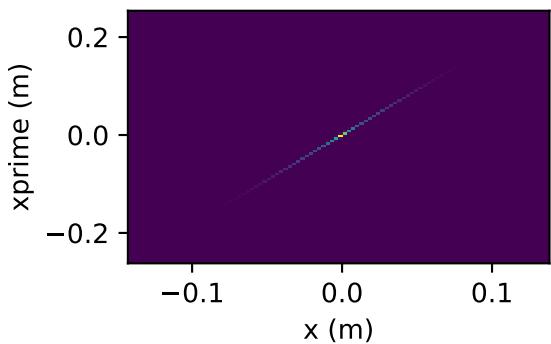
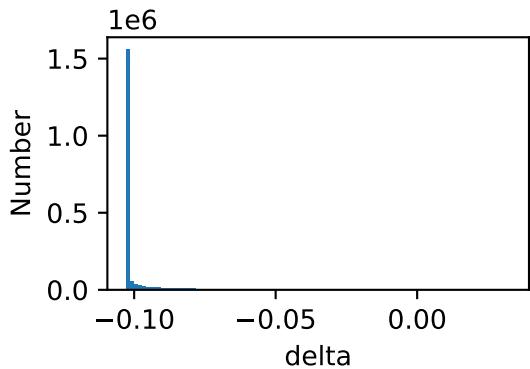
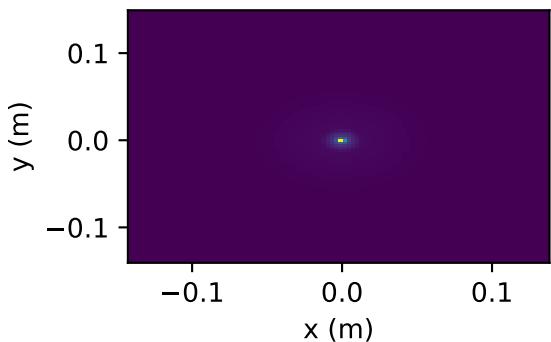
DRACO:1:Capture:Solenoid:1



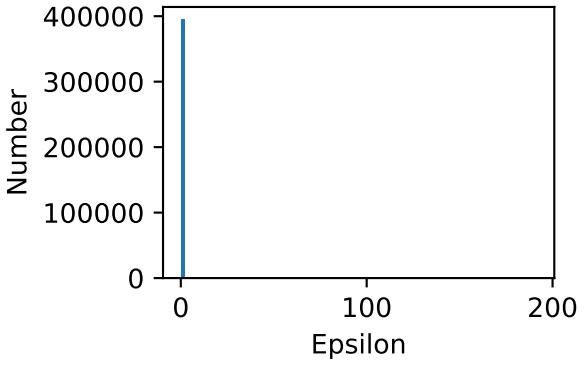
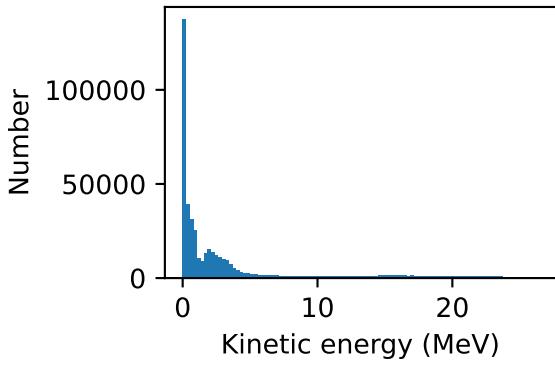
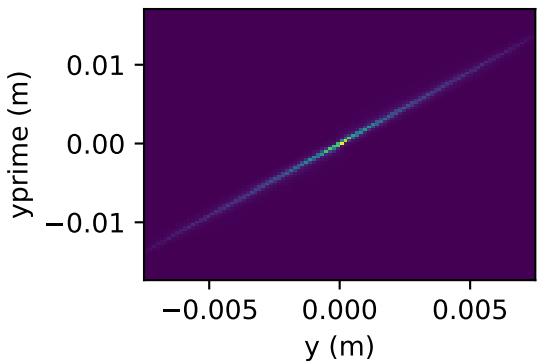
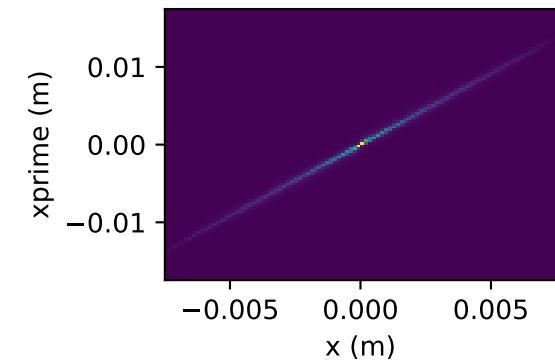
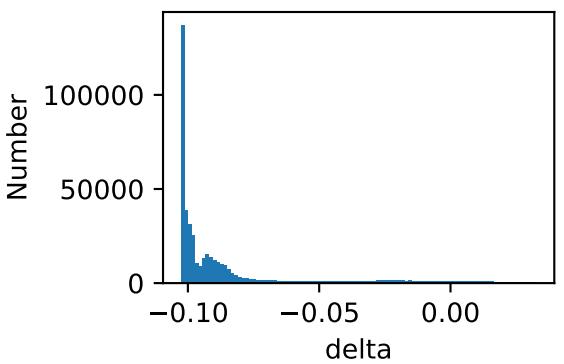
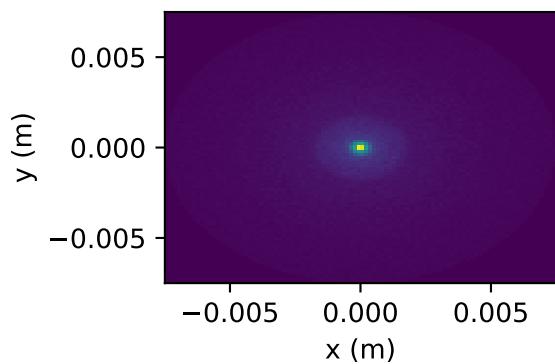
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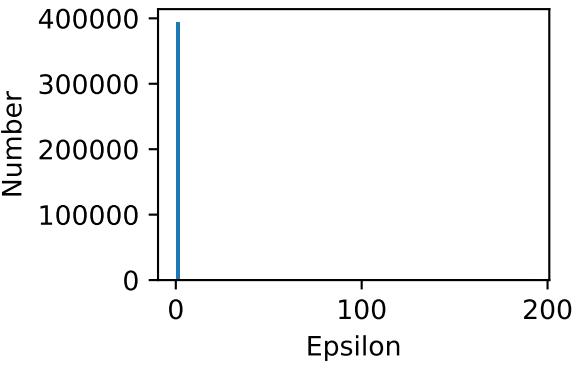
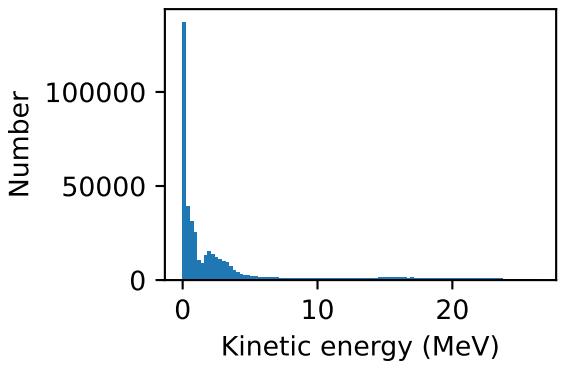
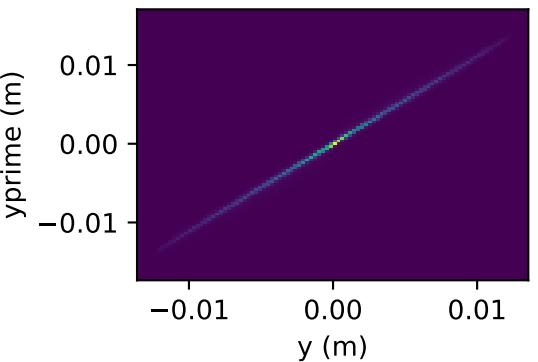
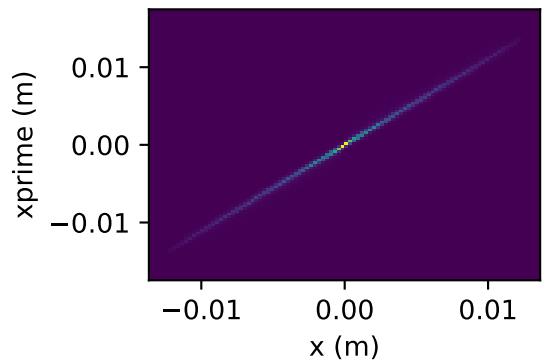
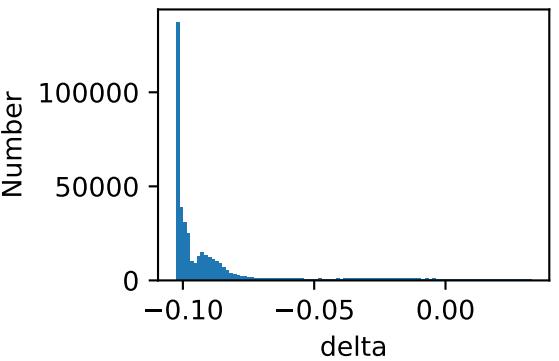
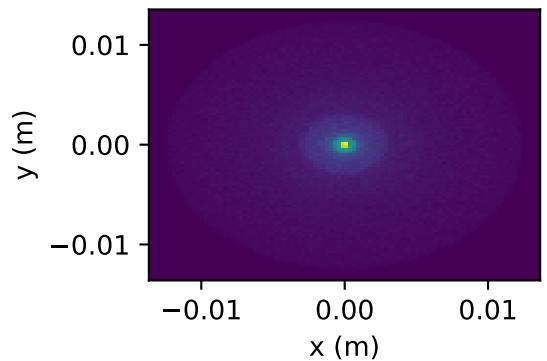
DRACO:1:Capture:Drift:2



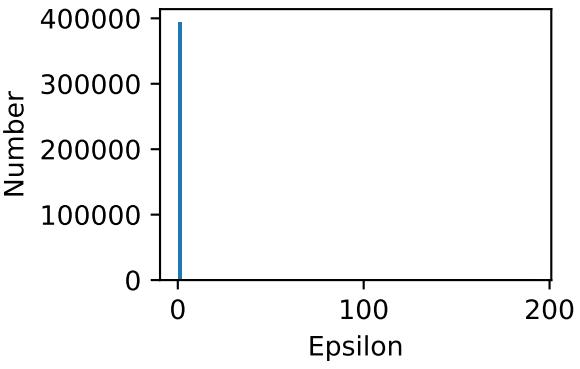
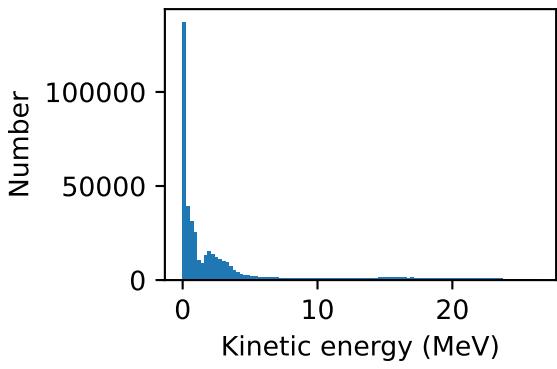
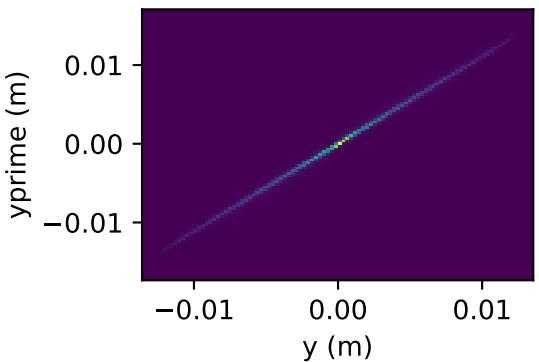
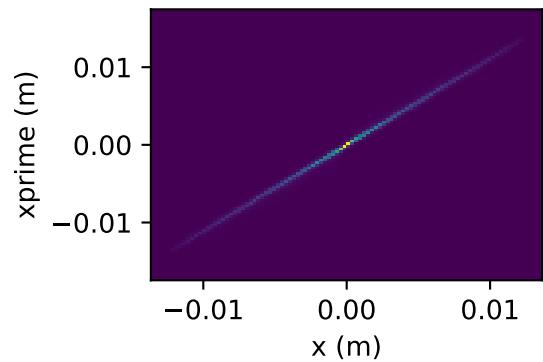
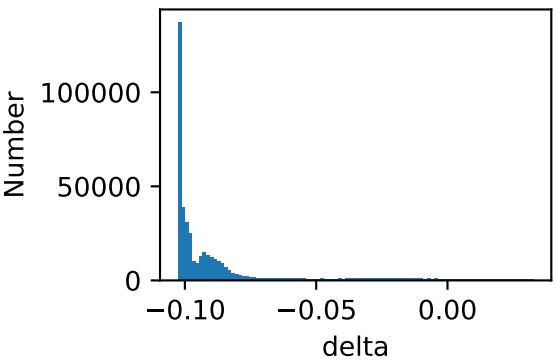
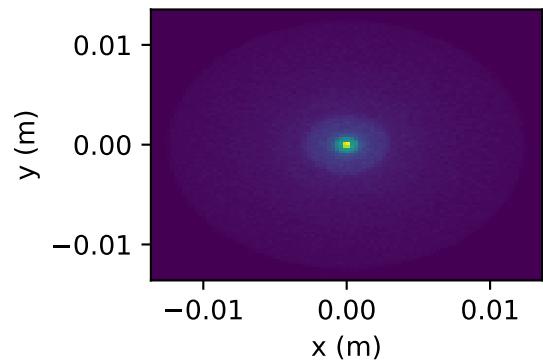
DRACO:1:Capture:Aperture:Circular:3



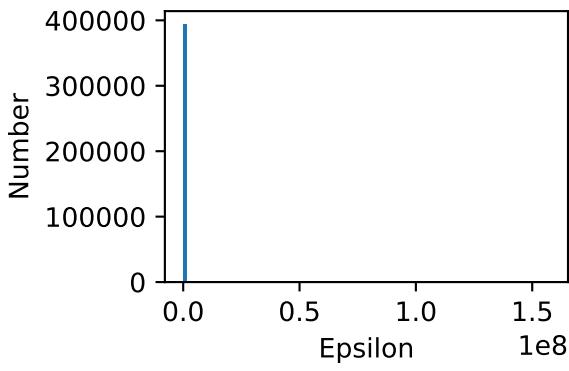
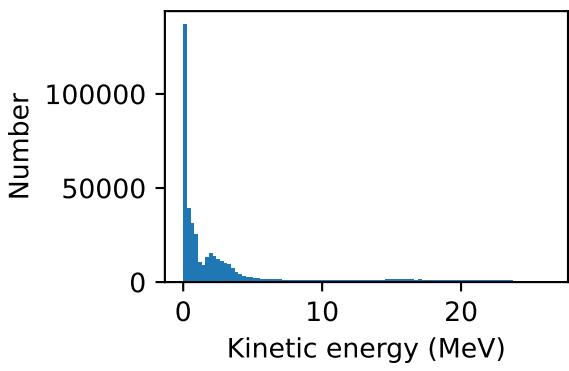
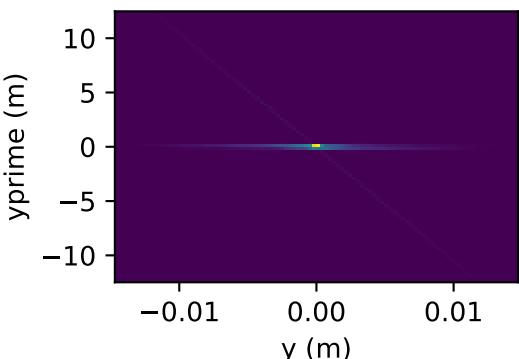
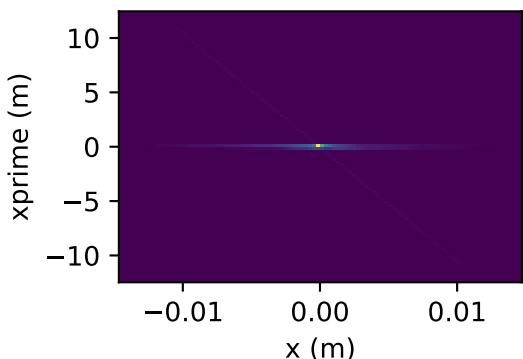
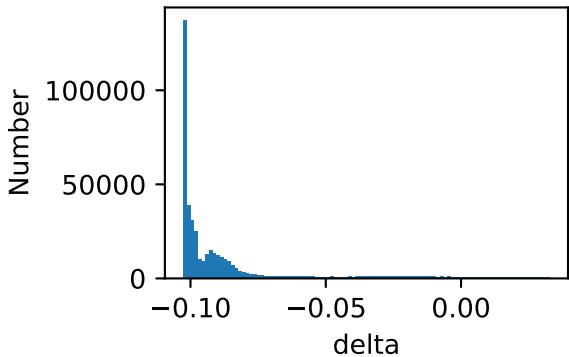
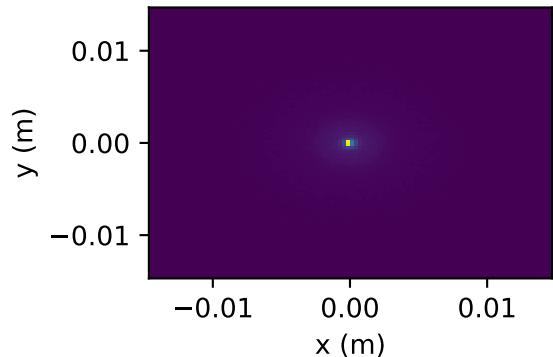
DRACO:1:Delivery:Drift:1



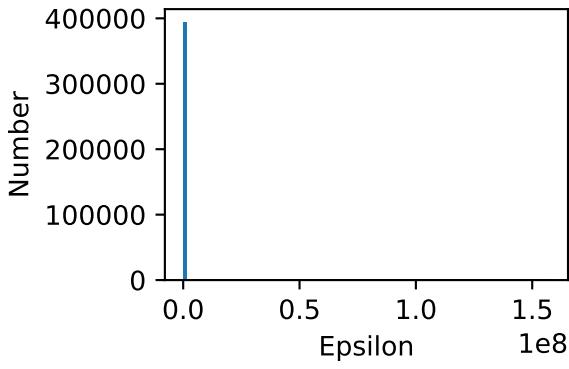
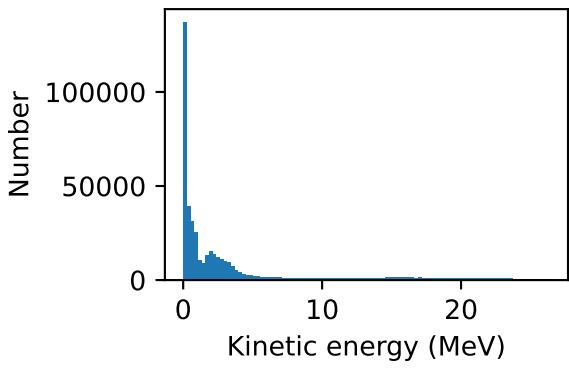
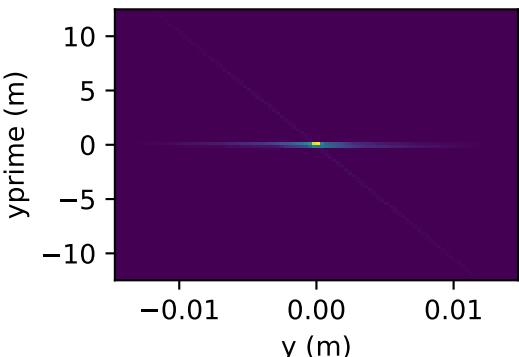
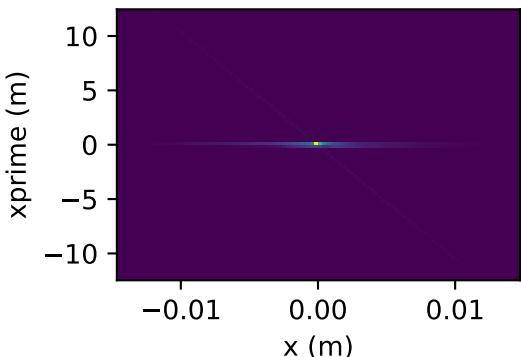
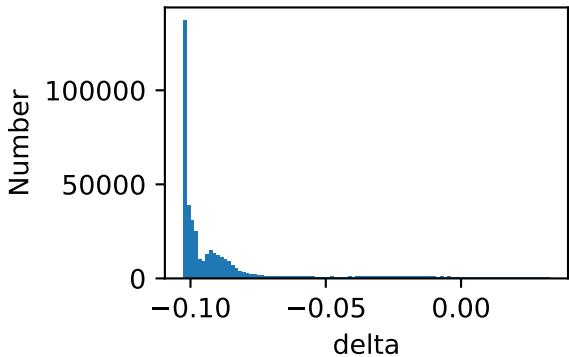
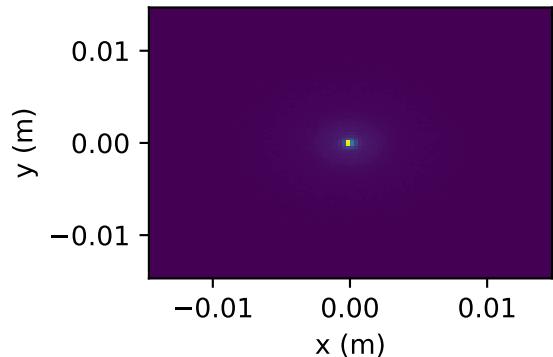
DRACO:1:Delivery:Aperture:Circular:1



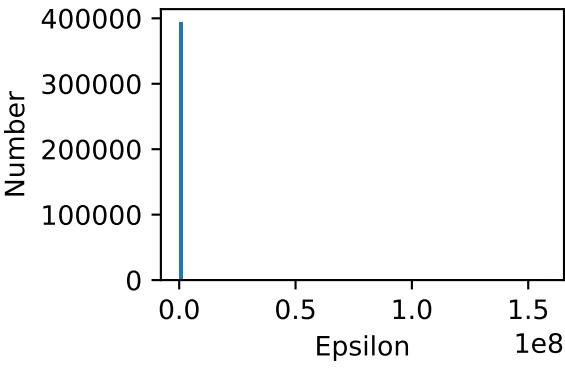
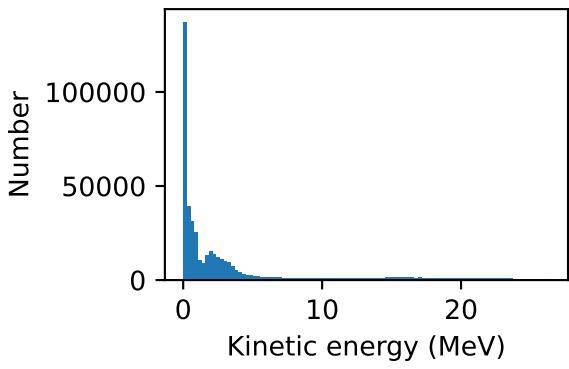
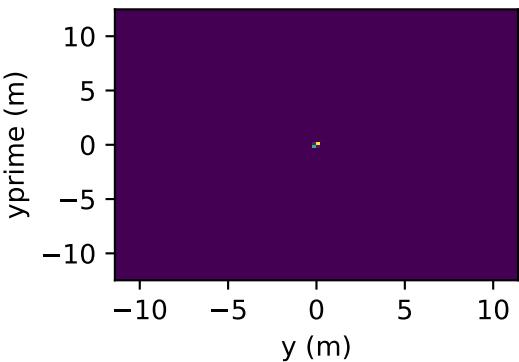
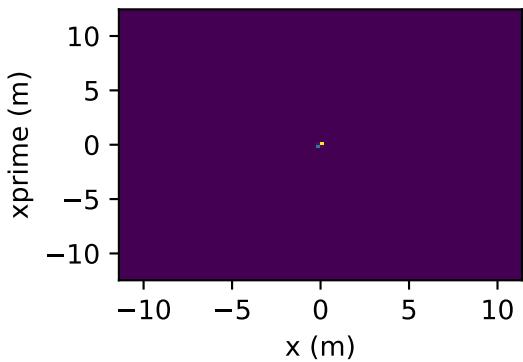
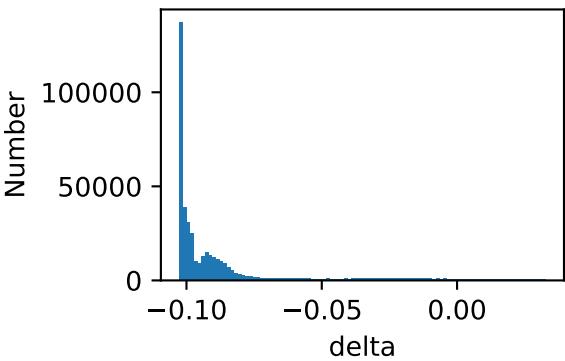
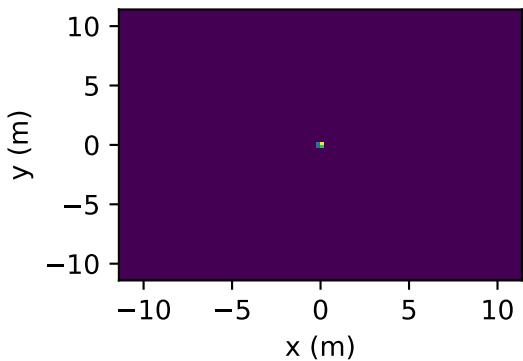
DRACO:1:Delivery:Solenoid:1



DRACO:1:Delivery:Aperture:Circular:2



DRACO:1:Delivery:Drift:2



DRACO:1:Delivery:Aperture:Circular:3

