











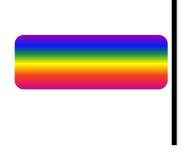






McStas







Moving Optics

- Velocity selector
- Disk Chopper
- Fermi Chopper













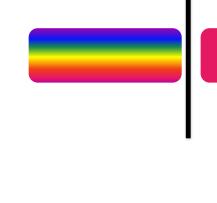






McStas





Velocity Selectors

_

Select the neutron energy you want















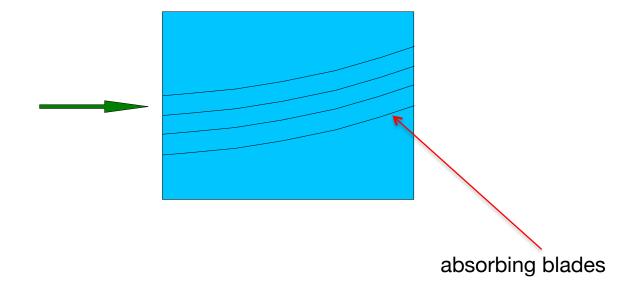




McStas



VELOCITY SELECTORS

















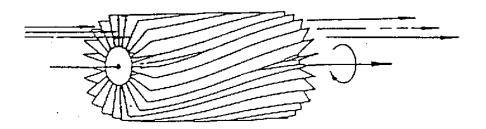




McStas



VELOCITY SELECTORS





VELOCITY SELECTORS















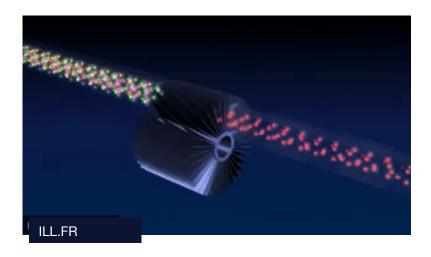


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VELOCITY SELECTORS







INPUT PARAMETER



散







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xwidth [m]

yheight [m]

zdepth [m]

length

d

[m]

[m]

alpha [deg]

radius [m] aperture centre

width entry aperture

height entry aperture

housing! length

blade length

blade thickness

twisting angle

distance rotation axis -





DISK CHOPPER











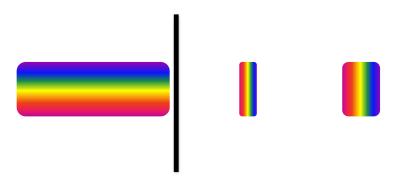




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Time Of Flight (TOF) measurements















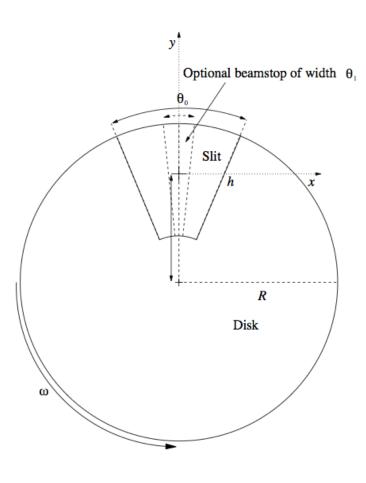






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-	
	SNS

INPUT PARAMETER



[Hz] frequency nu



slit height (if 0, yheight = radius)



disk radius radius [m]



4

theta_0 [deg] angular width of slits



horizontal slit width opening, xwidth [m]



beam center

yheight [m]

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jitter [s] jitter in time phase

> [s] time delay

> > [deg] angular delay, overrides time

Isfirst several choppers, defines first [0/1]

delay

phase



DISK CHOPPER_S













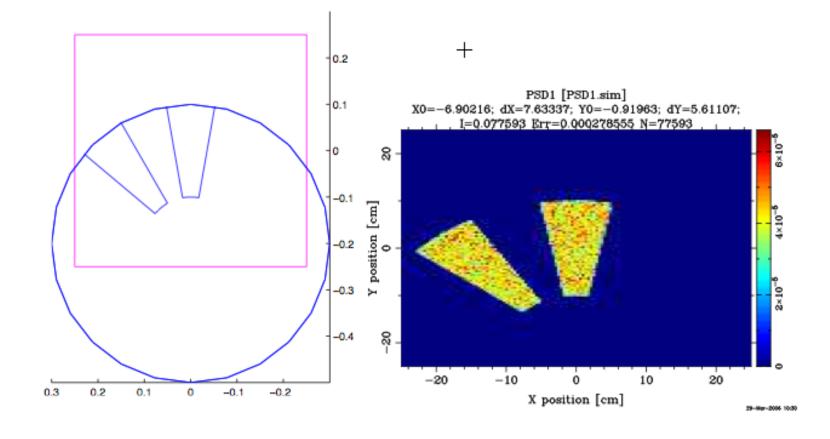




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6. marts 2019 2019 McStas school @ CSNS 10



EUROPEAN SPALLATION SOURCE FERMI CHOPPER

















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