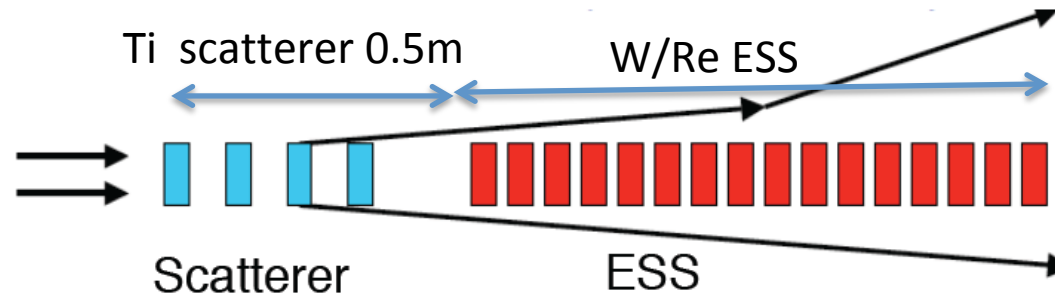


Preliminary Ti Scatterer Simulation Study by MARS

FNAL Meeting
2018.3

M Tomizawa

Scatterers/diffusers



1.5m long, 3mm pitch 1mm wide W/Re ribbons

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0.5m long, 9mm pitch 1mm wide W/Re Ti + 1m long, 3mm pitch 1mm wide W/Re

	xp mrad	beam loss number	chamber dose	Plate-D dose	duct-D dose
A:Ti scatterer	-0.02	5655	4.11E-8	8.54E-8	4.14E-7
B: w/o scatterer	-0.01	11381	8.85E-8	1.15E-7	4.38E-7
Ratio A/B		0.49	0.46	0.74	0.95