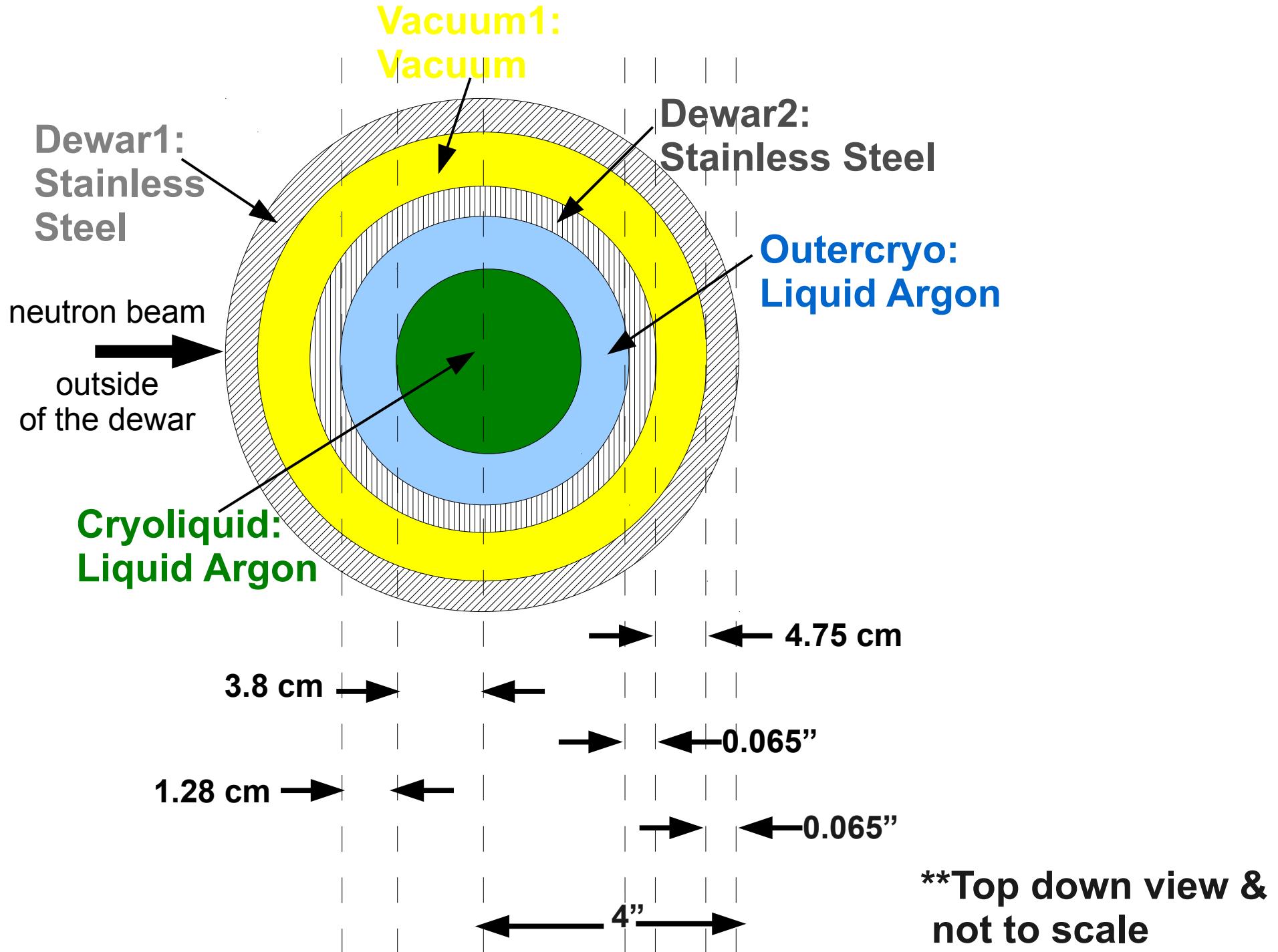


Status of RAT Simulations for SCENE: First Results from External Detectors

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Nov. 9, 2011

Recall dimensions and configuration of Argon detector:

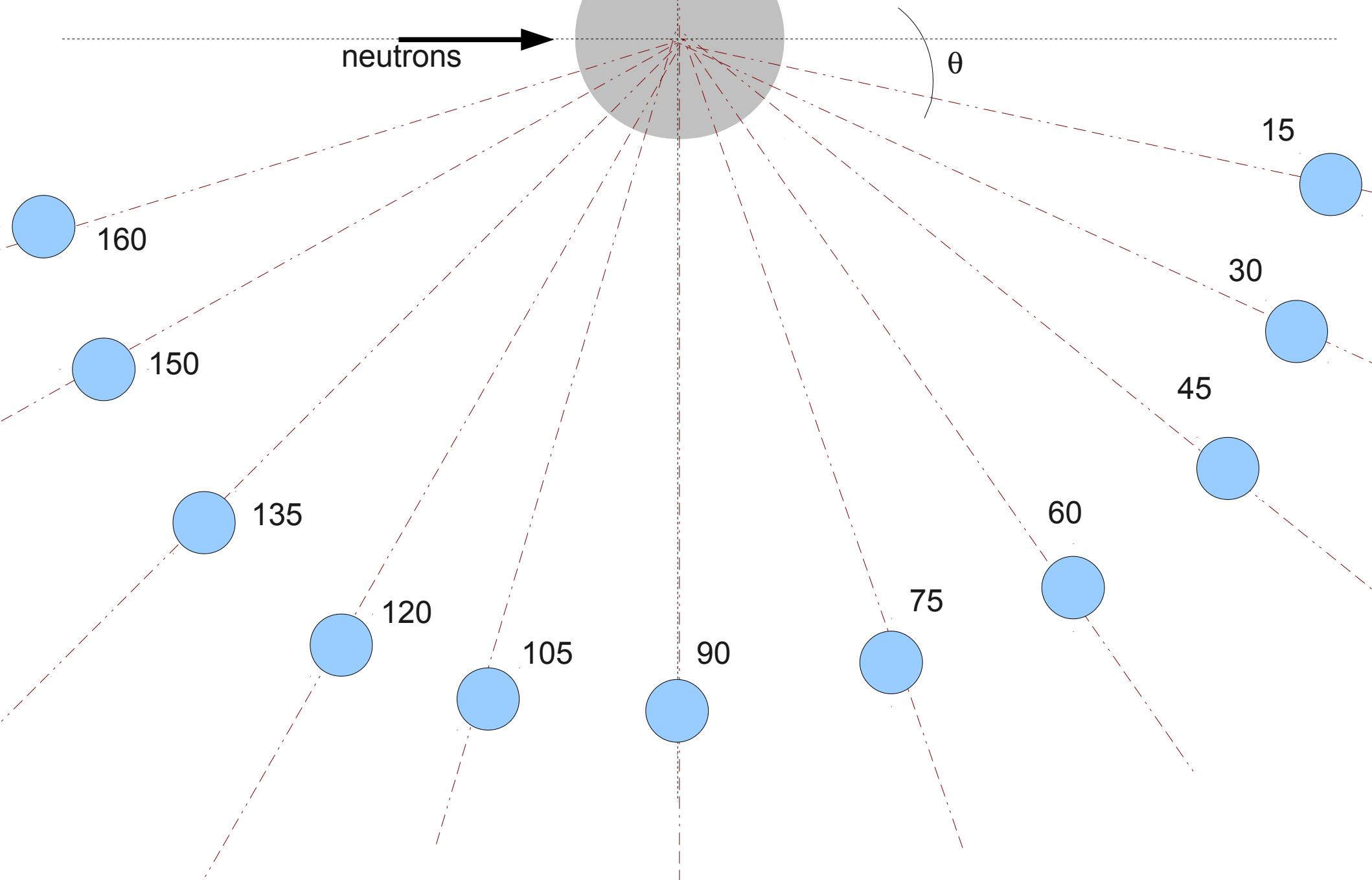


External counters diameter = 2"

Material = dodecane

Distance from Argon center = 2 m

Active argon radius = 3.8 cm



Amount of Neutrons for a 1,000,000 Neutron Run

External Counter Angle (deg)	Energy Resolution	scat=2, loc=ext, n_ext=1, firstar=1	scat=2, loc=ext, n_ext=1	scat=3, loc=ext, n_ext=1, firstar=1	scat=3, loc=ext, n_ext=1
15	27%	31	66	4	8
30	17%	33	62	12	22
45	13%	28	45	7	12
60	10%	23	36	10	12
75	8%	12	24	7	7
90	6.5%	14	25	1	6
105	5%	9	16	4	5
120	3%	12	20	3	6
135	2%	8	19	10	12
150	1%	11	27	6	11
165	0.1%	15	32	6	7