

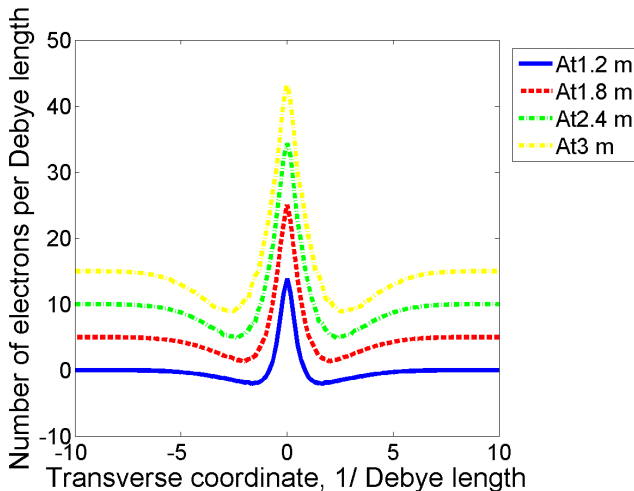
Modulator Simulations

Jun Ma, Roman Samulyak

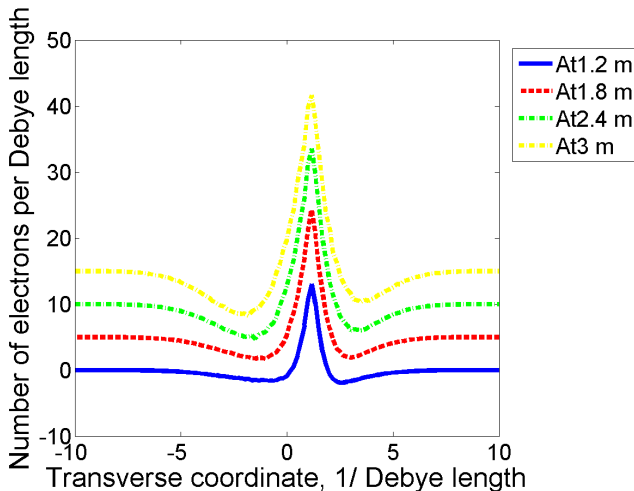
Department of Applied Mathematics and Statistics
Stony Brook University

2016.12.1

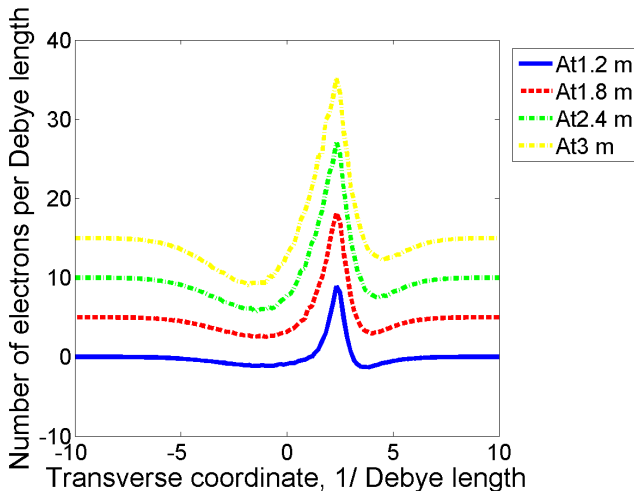
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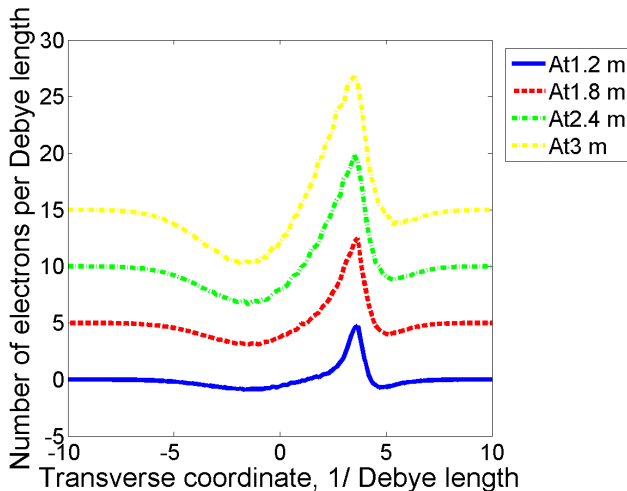
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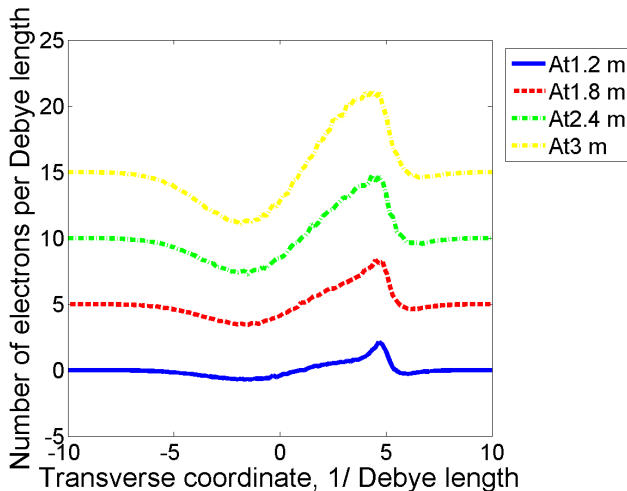
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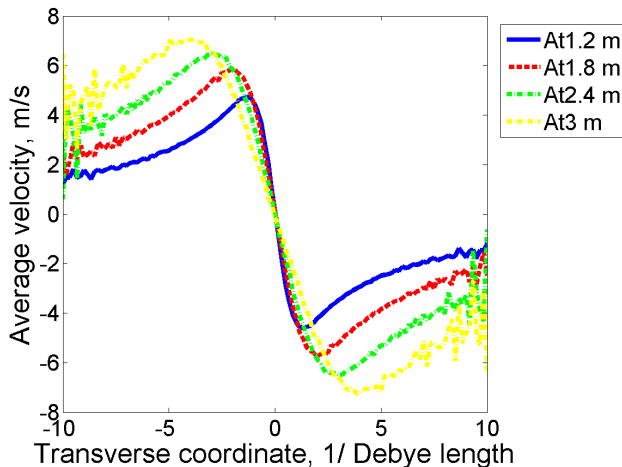
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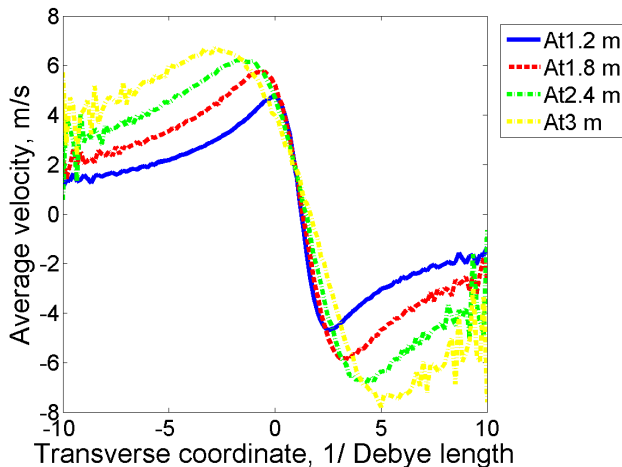
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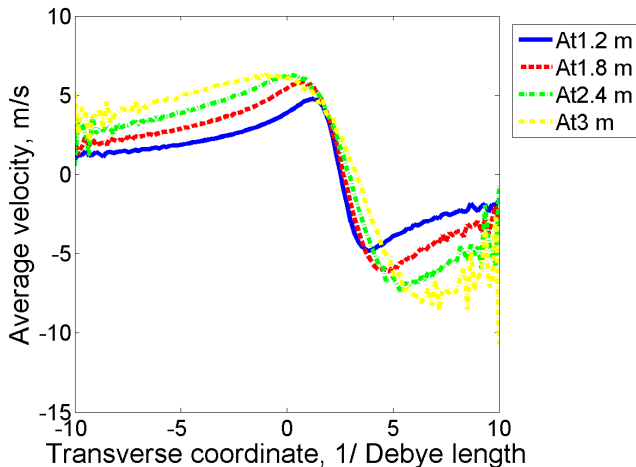
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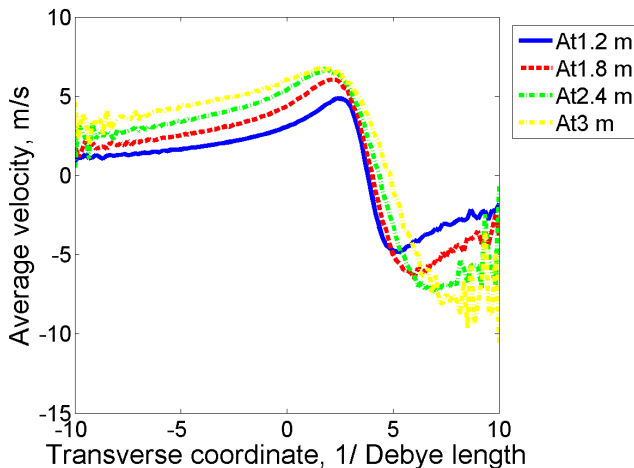
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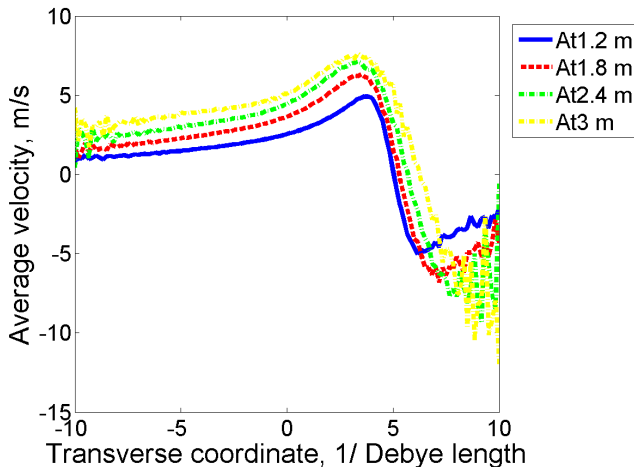
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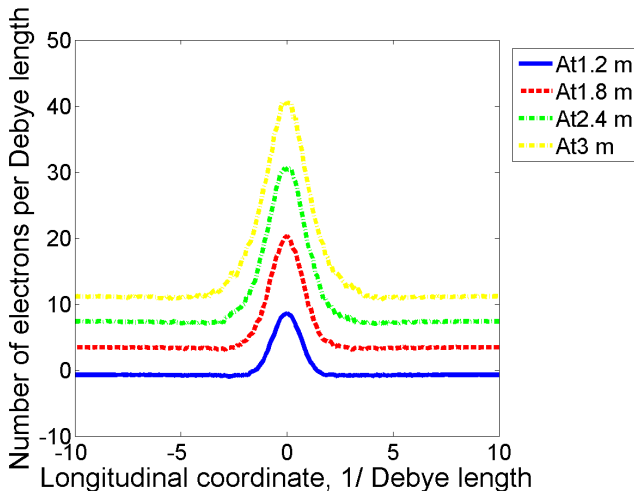
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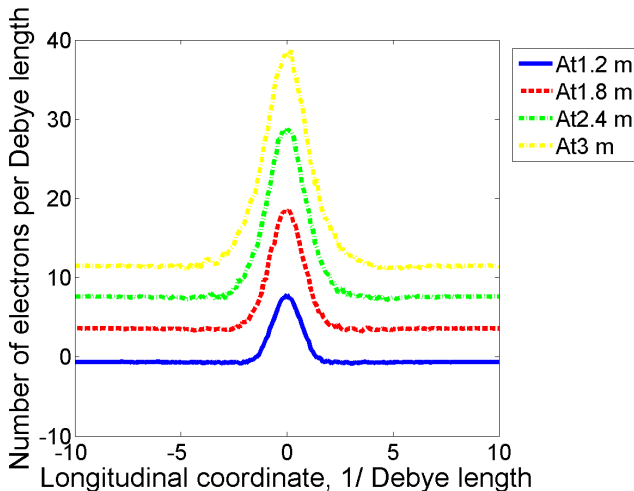
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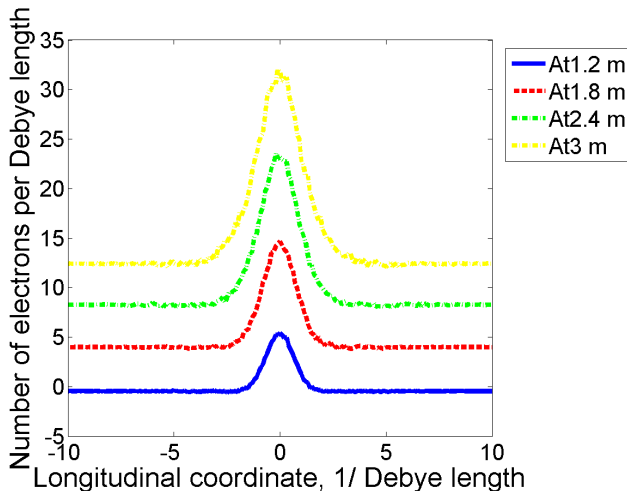
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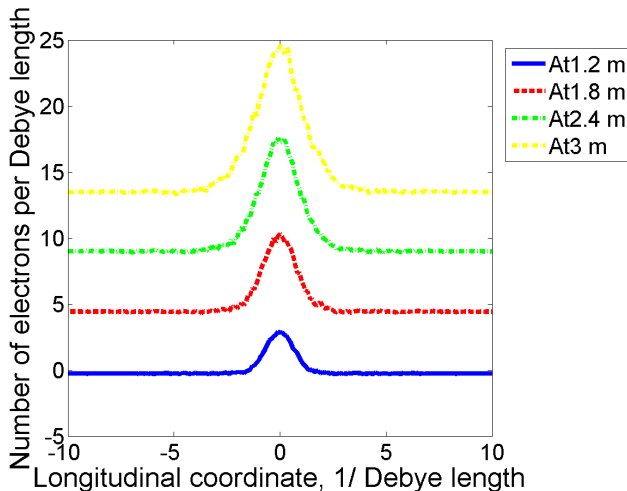
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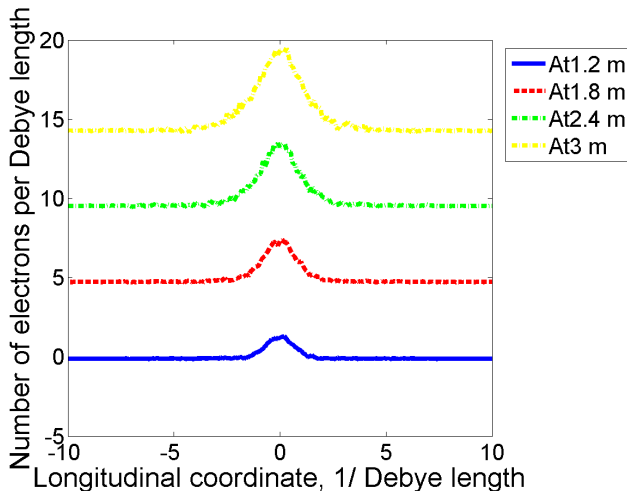
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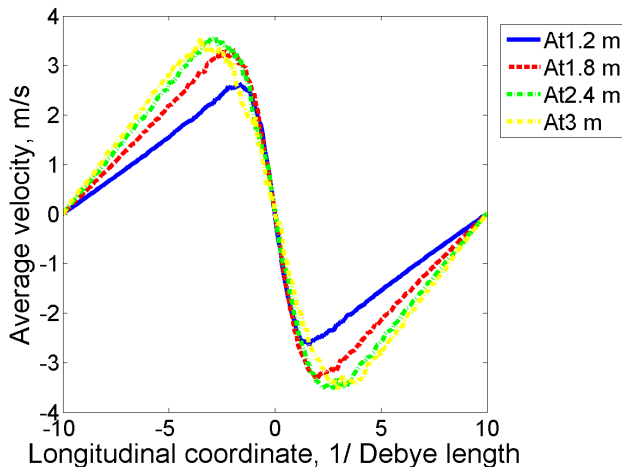
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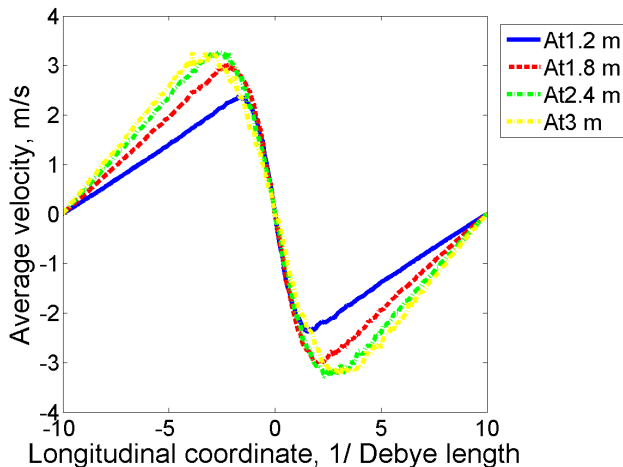
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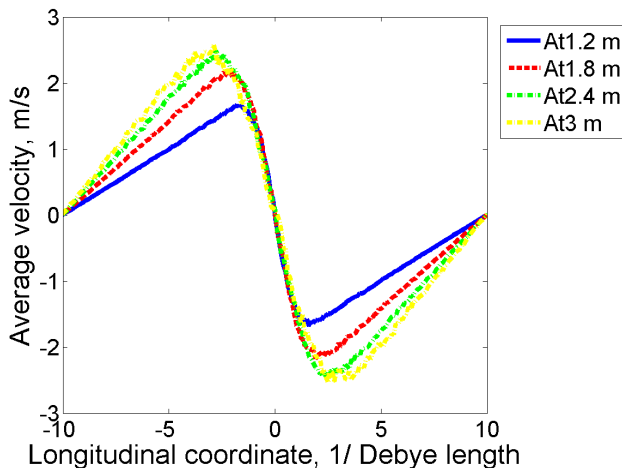
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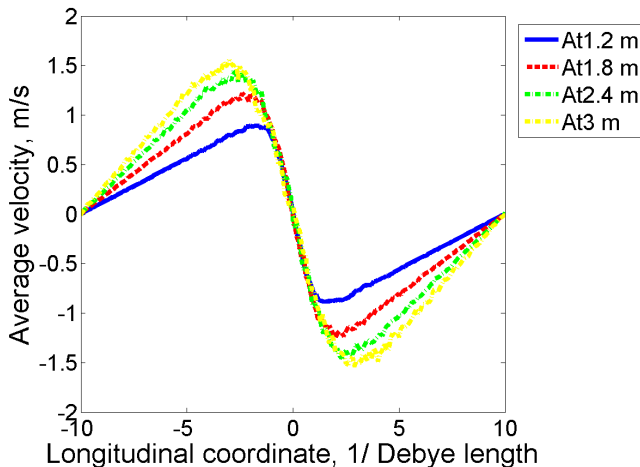
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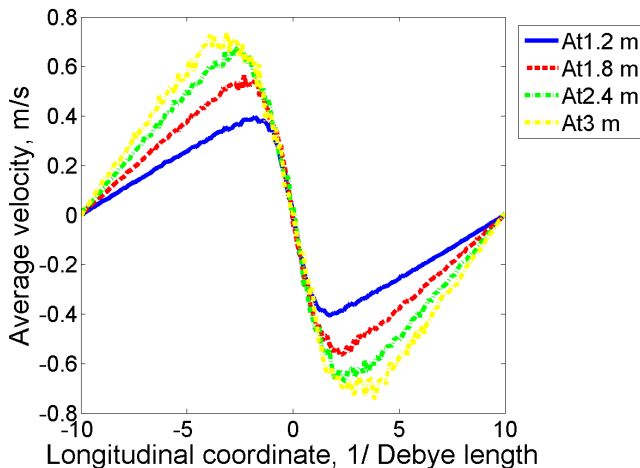
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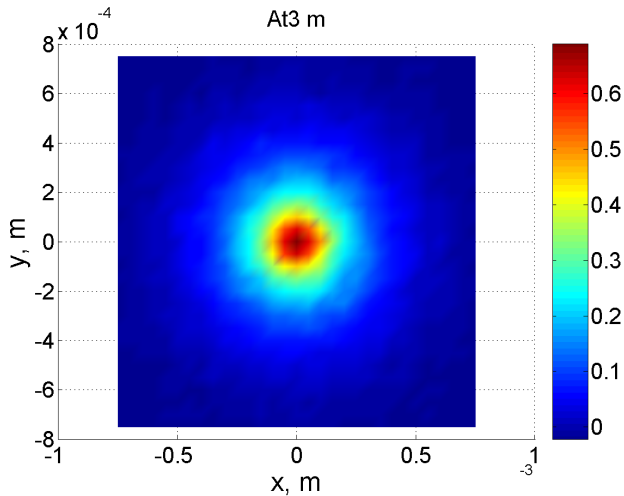
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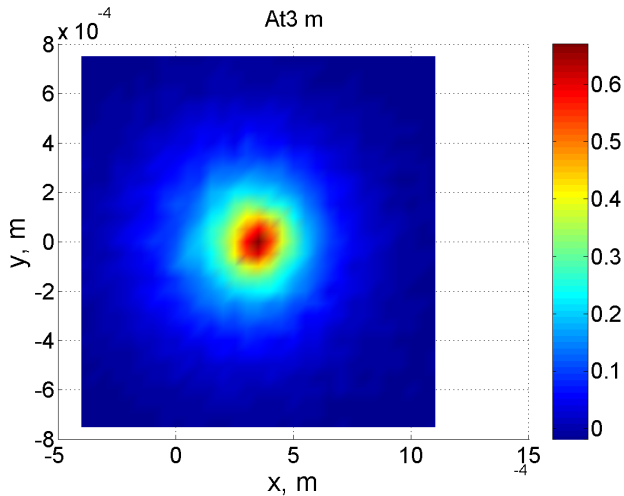
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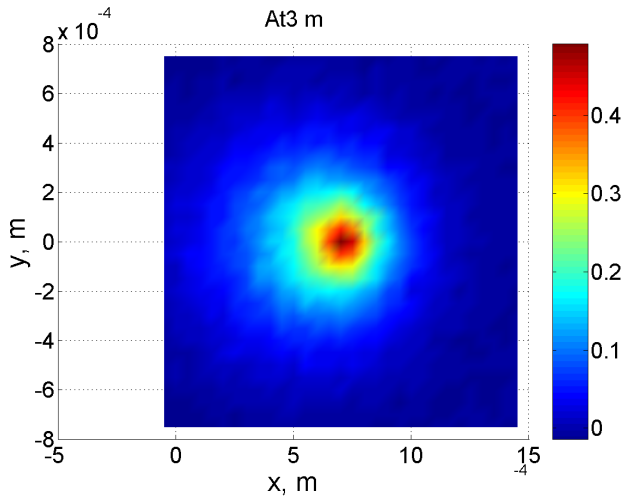
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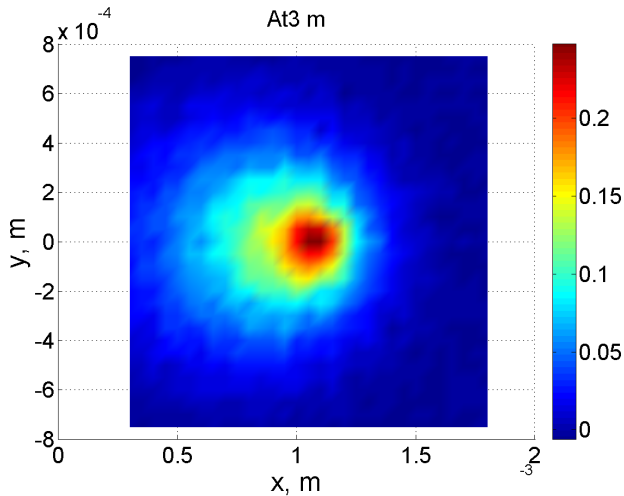
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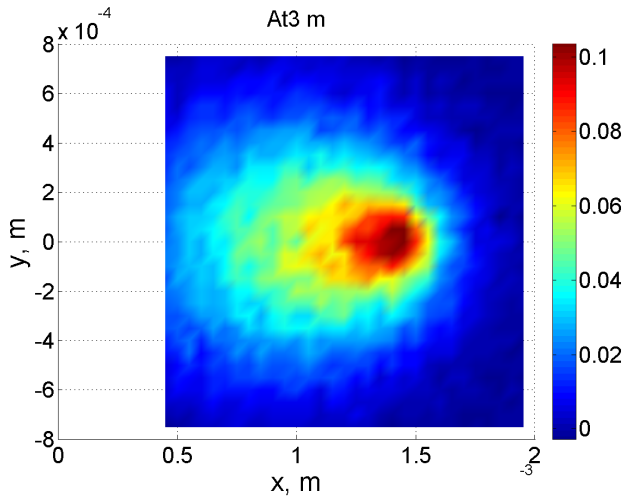
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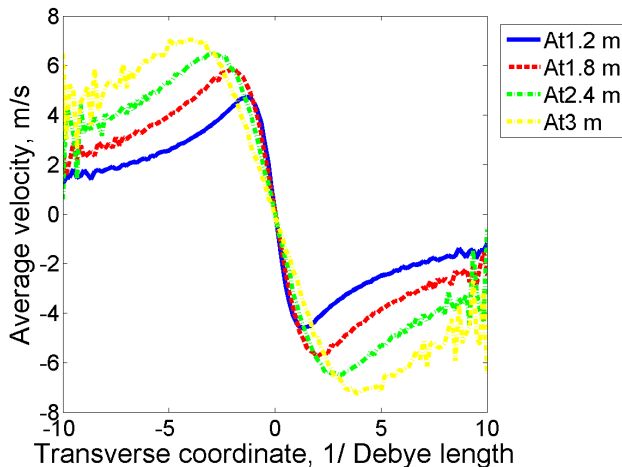
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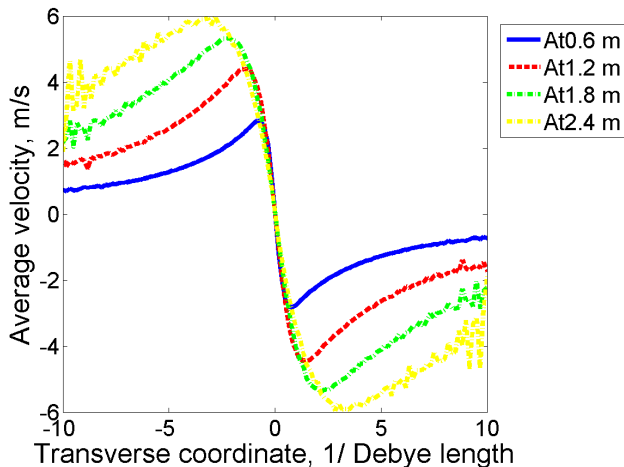
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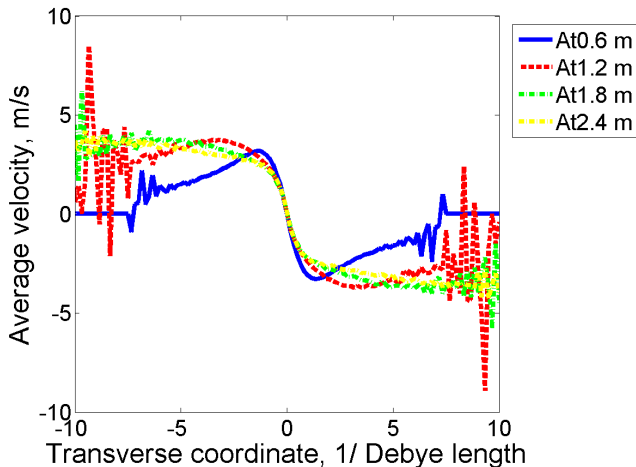
v_x , focus on space charge



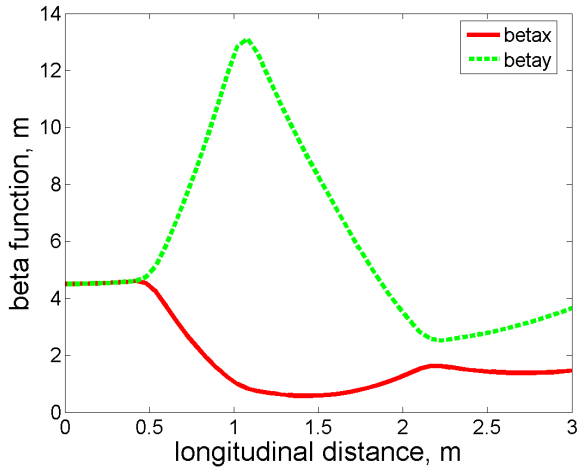
v_x , no focus on space charge



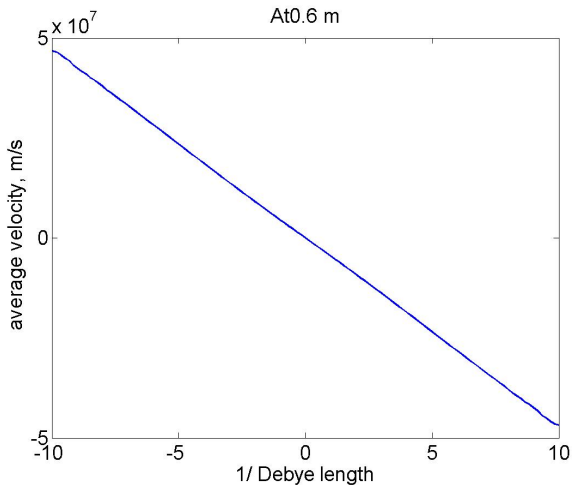
v_x , no focus on space charge, reduced beam size



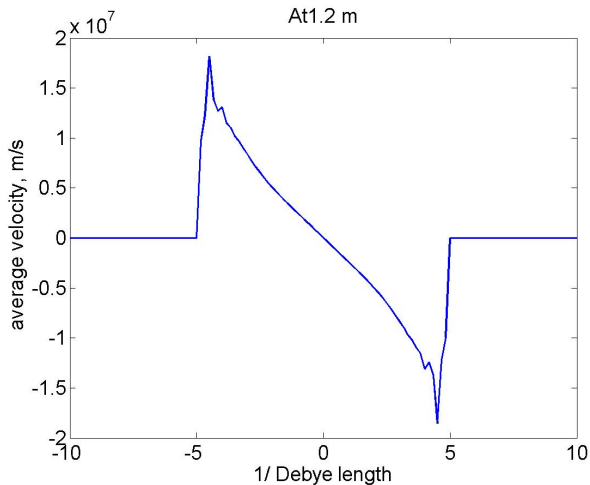
beta function



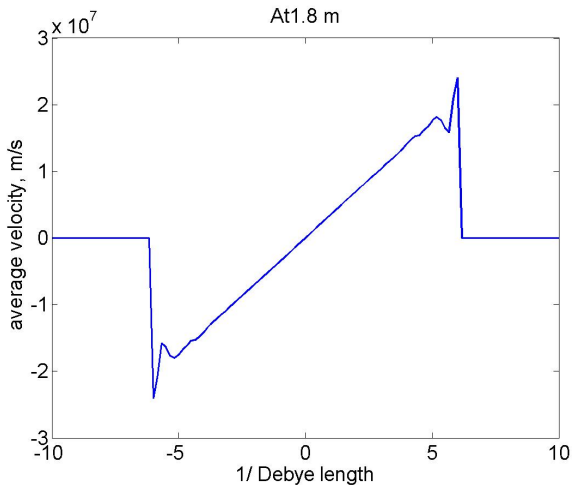
v_x of background



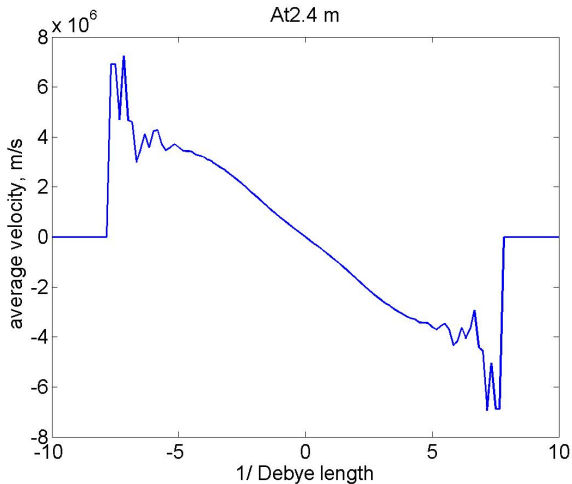
v_x of background



v_x of background



v_x of background



v_x modulation

