

## S2.09 Rare Event Probability Learning by Normalizing Flows



You and your friends:  
“Yay! Skiing here we come!”



Massachusetts  
Institute of  
Technology

Jan 24, 2023

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With a small probability,  
“Oh no, we stuck here”



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“We won’t get on the stupid lift until we calculate the **probability**”



## S2.09 Rare Event Probability Learning by Normalizing Flows

Life is not all about fun and skiing (Sorry!)

We do semiconductor manufacturing

How to estimate the small probability of  
process/device/circuit/system failure?

